GENERAL NOTES

PRIOR TO SUBMITTING COST PROPOSAL, THE CONTRACTOR/OWNER SHALL VERIFY EXISTING CONDITIONS ON SITE & REVIEW MODIFICATIONS AND DIMENSIONS REQUIRED TO SUIT THE CONTRACT DOCUMENTS.

CONTRACT DOCUMENTS ARE COMPLEMENTARY, WHAT IS CALLED FOR ON ANY DOCUMENT WILL BE BINDING AS IF CALLED FOR ON ALL DOCUMENTS. ALL WORK SHOWN OR REFERENCED ON ANY CONSTRUCTION DOCUMENT SHALL BE PROVIDED AS THOUGH SHOWN ON ALL RELATED DOCUMENTS. THE CONTRACTOR/OWNER SHALL EXAMINE, READ AND BE THOROUGHLY FAMILIAR WITH ALL OF THE CONTRACT DOCUMENTS. SHOULD THE CONTRACTOR/OWNER FIND DISCREPANCIES IN OR OMISSIONS FROM THE DRAWINGS AND SPECIFICATIONS. OR SHOULD BE IN DOUBT AS TO THEIR

INTENT OR MEANING, HE SHALL NOTIFY THE ARCHITECT IMMEDIATELY FOR CLARIFICATION OR INTERPRETATION. SHOULD A DISCREPANCY APPEAR IN DRAWINGS OR SPECIFICATIONS, OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, NOTIFY DESIGN, EVEREST AT ONCE FOR INSTRUCTION AS TO PROCEDURE. IF CONTRACTOR/OWNER PROCEEDS WITH WORK AFFECTED WITHOUT INSTRUCTION FROM THE DESIGNER, THE CONTRACTOR SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT.

SHOULD CONFLICT OCCUR IN OR BETWEEN DRAWINGS AND SPECIFICATION OR WHERE DETAIL REFERENCES ON CONTRACT DRAWINGS HAVE BEEN OMITTED. CONTRACTOR/OWNER IS DEEMED TO HAVE ESTIMATED THE MOST EXPENSIVE MATERIALS AND CONTRACTOR INVOLVED . ALL WORK SHALL MEET FEDERAL, STATE AND LOCAL BUILDING CODES AND ORDINANCES IN EFFECT AT THE TIME OF CONSTRUCTION IN ADDITION TO ADA REQUIREMENTS. SOLE REFERENCE SHALL MEET THE EDITIONS SPECIFIED ON THIS SHEET AND AS AMENDED BY THE STATE OF CALIFORNIA AND LOCAL

- JURISDICTION. CONTRACTOR/OWNER SHALL CONFIRM DURING THE PRICING PERIOD ON-SITE DELIVERY DATES OF ALL MATERIALS SPECIFIED IN THE CONTRACT DOCUMENTS AND IMMEDIATELY NOTIFY THE DESIGNER IN WRITING OF POTENTIAL DELAYS TO THE COMPLETION OF THE PROJECT. IF THE CONTRACTOR/OWNER FAILS TO ORDER MATERIALS IN SUFFICIENT TIME FOR ORDERLY INSTALLATION, THE DESIGNER WILL NOT ENTERTAIN ANY REQUESTS FOR MATERIAL SUBSTITUTION.
- THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS ON A REGULAR BASIS, AND SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING TO PREVENT ANY DIRT, DEBRIS OR DUST FROM AFFECTING FINISHED AREAS IN OR OUTSIDE OF THE JOB SITE. THE BUILDING REFUSE FACILITIES SHALL NOT BE USED FOR THIS PURPOSE WITHOUT PERMISSION FROM BUILDING OWNER.
- THE CONTRACTOR SHALL CONFINE OPERATIONS AT THE SITE TO AREAS PERMITTED BY LAW, ORDINANCES, PERMITS AND CONTRACT DOCUMENTS, AND SHALL NOT UNREASONABLY ENCUMBER THE SITE WITH ANY MATERIALS OR EQUIPMENT. THE CONTRACTOR SHALL LEAVE THE PREMISES AND ALL AREAS CLEAN AND IN AN ORDERLY MANNER READY FOR OCCUPANCY AT THE END OF THE
- PROJECT THE CONTRACTOR/OWNER SHALL SUBMIT TO THE OWNER FOR APPROVAL, A DETAILED CONSTRUCTION SCHEDULE SHOWING PHASING AND TIME
- ALLOTMENT OF WORK. THE CONTRACTOR/OWNER, OR SUBCONTRACTORS, SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES AND LICENSES REQUIRED FOR
- PROPER COMPLETION OF THE . NO PORTION OF THE WORK REQUIRING A SHOP DRAWING OR SAMPLE SUBMISSION SHALL BE COMMENCED UNTIL THE SUBMISSION HAS BEEN REVIEWED AND ACTED UPON BY THE ARCHITECT ALL SUCH PORTIONS OF THE WORK SHALL BE IN ACCORDANCE WITH THE REVIEWED SHOP DRAWINGS AND
- SAMPLES . CONSTRUCTION LIABILITY: CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS AGREE THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS. AND CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS FURTHER AGREE TO DEFEND. INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL
- DATUM IS SET AT +0'-0" FOR REFERENCE PURPOSES (TOP OF SLAB) ALL ELEVATIONS SHOWN ON PLANS, ELEVATIONS AND SECTIONS (EXCEPT FOR GRADING PLANS) ARE REFERENCED TO THIS DATUM. CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR ACCURATE LOCATION OF PLOT LINES. BOUNDARIES, AND FOR MAINTAINING PROPER RELATIONSHIPS
- TO SUCH AS INDICATED ON CIVIL DRAWINGS IF APPLICABLE. THE CONTRACTOR/OWNER SHALL PROVIDE POSITIVE DRAINAGE OF SURFACE WATER WITHOUT PONDING OF WATER ADJACENT TO BUILDING OR ON
- PAVEMENTS. DRAINAGE OF PAVED AREAS TO BE AS SHOWN ON CIVIL ENGINEER'S DRAWINGS. 3. ALL PATCHING, REPAIRING AND REPLACING OF MATERIALS AND SURFACES CUT OR DAMAGED IN EXECUTION OF WORK SHALL BE DONE WITH APPLICABLE MATERIALS SO THAT SURFACES REPLACED WILL, UPON COMPLETION, MATCH SURROUNDING SIMILAR SURFACES.
- 9. ALL VENTS THROUGH ROOF SHALL BE KEPT AT A MINIMUM HEIGHT CONSISTENT WITH APPLICABLE CODES. 20. ALL OPEN JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED OR WEATHERSTRIPPED TO LIMIT AIR LEAKAGE
- . ELECTRICAL, MECHANICAL, AND PLUMBING SYSTEMS ARE "DESIGN/BUILD." PERFORMANCE SPECIFICATIONS AS WELL AS EQUIPMENT SIZES ARE TO BE REVIEWED BY THE DESIGNER AND OWNER PRIOR TO THE COMMENCEMENT OF ANY WORK. . ALL MECHANICAL, ELECTRICAL AND PLUMBING LOCATIONS SHOWN ON DESIGNERS PLANS ARE FOR DESIGN INTENT ONLY. ALL ELECTRICAL, MECHANICAL
- AND PLUMBING WORK ARE TO BE PROVIDED AS PART OF THIS PACKAGE PER THE LOCAL JURISDICTION. PLUMBING AND EQUIPMENT VENTING: WHERE FEASIBLE, VENT ALL PLUMBING FIXTURES, EXHAUST VENTS, FURNACE, AND WATER HEATER TO ROOF.
- VERIFY ALL LOCATIONS OF VENTS WITH DESIGNER AND OWNER PRIOR TO INSTALLATION. PROVIDE WATER-RESISTANT GYPSUM BOARD AT ALL BATH, TOILET, AND LAUNDRY ROOM WALLS THAT WILL BE PAINTED. PROVIDE WONDER BOARD AT ALL WALL AND CEILING SURFACES THAT MAY BE FINISHED WITH TILE OR STONE.
- THE CONTRACTOR/OWNER SHALL COORDINATE ALL WORK WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. AND REPORT TO JM3DESIGN OR OWNER REPRESENTATIVE ANY DISCREPANCIES FOR CORRECTION OR ADJUSTMENT. NO ALLOWANCE WILL BE MADE FOR INCREASED COSTS INCURRED DUE TO LACK OF PROPER COORDINATION.
- NOISE REDUCTION: CONSTRUCTION CONTRACTORS SHALL MUFFLE AND SHIELD INTAKES AND EXHAUSTS, SHROUD OR SHIELD IMPACT TOOLS, AND USE ELECTRIC-POWERED RATHER THAN DIESEL-POWERED CONSTRUCTION EQUIPMENT (AS FEASIBLE). ALL STATIONARY NOISE-GENERATING EQUIPMENT SHALL BE LOCATED AS FAR AWAY AS POSSIBLE FROM NEIGHBORING PROPERTY LINES. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND OPERATED ACCORDING TO MANUFACTURER'S MAINTENANCE SCHEDULES AND RECOMMENDATIONS TO MINIMIZE NOISE AND EXHAUST EMISSIONS (PARTICULARLY NITROGEN OXIDES).
- CONTRACTOR/OWNER TO COORDINATE WITH OWNER FOR OWNER-PROVIDED MATERIALS AND PRODUCTS. ANY AND ALL MATERIALS SUPPLIED BY OWNER SHALL BE INSTALLED BY CONTRACTOR/OWNER (I.B.C.), UNLESS OTHERWISE NOTED. CONTRACTOR/OWNER SHALL COORDINATE WITH OWNER FOR REQUIRED SCHEDULING AND ORDERING INFORMATION. CONTRACTOR/OWNER SHALL ASSIST IN DETERMINING QUANTITIES WHEN REQUIRED.
- FOR ALL MATERIALS PROVIDED BY CONTRACTOR/OWNER WHICH REQUIRE COLOR OR FINISH SELECTION, CONTRACTOR/OWNER SHALL CONTACT DESIGNER AND OWNER FOR ALL DECISIONS
- ADEQUATE PREPARATION OF THE SUBSTRATE IS IMPERATIVE TO PROPER BONDING OF THE PAINT. PREP EACH SUBSTRATE AS RECOMMENDED BY MANUFACTURER. THOROUGHLY ALL WOOD SHALL BE PAINTED AS FOLLOWS: EXTERIOR - THREE COAT (STAIN AND SEAL WHERE INDICATED), INTERIOR: TWO COAT (STAIN AND SEAL
- WHERE INDICATED)
- COLORS WILL BE PROVIDED AND SELECTED BY OWNER. FINAL ACCEPTANCE OF COLORS WILL BE FROM JOB-APPLIED SAMPLES. PROVIDE FULL-COAT FINISH SAMPLES ON SURFACE WITH A MINIMUM SIZE OF 25 S.F. FOR APPROVAL BY OWNER.
- INSTALLATION INSTRUCTIONS FOR ALL LISTED EQUIPMENT SHALL BE PROVIDED TO THE FIELD INSPECTOR AT TIME OF INSPECTION. CMC 303.1. 4. PER SECTION 704A.5.1. DETACHED ACCESSORY STRUCTURES SHALL COMPLY WITH REQUIREMENTS OF CHAPTER 7A FOR ALL PROJECTS LOCATED IN THE WILDLAND URBAN INTERFACE.
- ROOFING ASSEMBLIES A. ROOFING ASSEMBLIES SHALL BE DESIGNED TO PREVENT THE INTRUSION OF FLAMES AND EMBERS BETWEEN THE ROOF COVERING AND THE ROOF DECKING
- B. ROOF VALLEY FLASHING SHALL BE MADE OF NOT LESS THAN 26-GAUGE GALVANIZED SHEET METAL INSTALLED OVER A MINIMUM 36" WIDE UNDERLAYMENT OF ONE LAYER OF 72" CAP SHEET RUNNING THE FULL LENGTH OF THE VALLEY.
- C. ROOF GUTTERS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS INTHE GUTTER.
- . ATTIC VENTILATION A. ROOF ATTIC VENTS SHALL BE DESIGNED TO RESIST THE INTRUSION OF FLAMES AND EMBERS INTO THE ATTIC OF A STRUCTURE, OR SHALL BE PROTECTED WITH CORROSION RESISTANT, NONCOMBUSTIBLE WIRE MESH WITH 1/4" OPENINGS, OR EQUIVALENT.
- B. EAVE AND CORNICE VENTS SHALL BE DESIGNED TO RESIST THE INTRUSION OF FLAMES AND EMBERS INTO THE ATTIC OF A STRUCTURE, OR SHALL BE PROTECTED WITH CORROSION-RESISTANT, NONCOMBUSTIBLE WIRE MESH WITH 1/4" OPENINGS, OR EQUIVALENT. C. EAVE PROTECTION - EAVES AND SOFFITS SHALL BE PROTECTED BY IGNITION-RESISTANT MATERIALS OR NONCOMBUSTIBLE CONSTRUCTION ON THE EXPOSED UNDERSIDE.
- 7. EXTERIOR WALLS
- A. EXTERIOR WALLS SHALL BE DESIGNED USING IGNITION-RESISTANT MATERIALS, NONCOMBUSTIBLE CONSTRUCTION, HEAVY TIMBER, LOG WALL CONSTRUCTION OR EQUIVALENT
- B. EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2" NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR TERMINATE ATE AT AN EAVE ENCLOSURE
- C. EXTERIOR WALL VENTS SHALL BE DESIGNED TO RESIST INTRUSION OF FLAME AND EMBERS INTO THE STRUCTURE, OR SHALL BE PROTECTED WITH A CORROSION RESISTANT, NONCOMBUSTIBLE WIRE MESH WITH 1/4" OPENINGS, OR EQUIVALENT.
- D. EXTERIOR WINDOW, WINDOW WALL, AND GLAZED DOOR ASSEMBLIES SHALL HAVE A 20-MINUTE FIRE-RESISTANT RATING, OR BE DESIGNED USING INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE, OR GLASS BLOCK UNITS.
- E. EXTERIOR DOOR ASSEMBLIES SHALL HAVE A 20-MINUTE FIRE RESISTANT RATING, OR BE DESIGNED USING NONCOMBUSTIBLE CONSTRUCTION, OR BE CONSTRUCTED OF SOLID-CORE WOOD HAVING STILES AND RAILS NOT LESS THAN 1 3/8" THICK, AND FIELD PANELS NOT LESS THAN 1 14" THICK. F. EXTERIOR VEHICLE ACCESS DOORS SHALL BE NON-COMBUSTIBLE OR EXTERIOR FIRE-RETARDANT TREATED WOOD.
- THE CONSTRUCTION SHALL NOT RESTRICT A FIVE FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.)OR 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.
- AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF HE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. (PER ORDINANCE 170,158) (SEPARATE PLUMBING PERMIT IS REQUIRED). 10. PLUMBING FIXTURES ARE REQUIRED TO BE CONNECTED TO A SANITARY SEWER OR TO AN APPROVED SEWAGE DISPOSAL SYSTEM (R306.3).
- I. KITCHEN SINKS. LAVATORIES, BATHTUBS, SHOWERS, BIDETS, LAUNDRY TUBS AND WASHING MACHINE OUTLETS SHALL BE PROVIDED WITH HOT AND COLD WATER AND CONFECTED TO AN APPROVED WATER SUPPLY (R306.4)
- BATHTUB AND SHOWER FLOORS, WALLS ABOVE BATHTUBS WITH A SHOWERHEAD, AND SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NONABSORBENT SURFACE. SUCH WALL SURFACED SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR (R307.2).
- 3. PROVIDE ULTRA-LOW FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS ND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION.
- . WATER HEATER MUST BE STRAPPED TO WALL
- AUTOMATIC GARAGE DOOR OPENERS, IF PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325. (R309.4). . SMOKE DETECTORS SHALL BE PROVIDED FOR ALL DWELLING UNITS INTENDED FOR HUMAN OCCUPANCY, WHERE A PERMIT IS REQUIRED FOR
- ALTERATIONS, REPAIRS, OR ADDITIONS. (R314.6.2). WHERE A PERMIT IS REQUIRED OR ALTERATIONS, REPAIRS OR ADDITIONS, EXISTING DWELLING OR SLEEPING UNITS THAT HAVE ATTACHED GARAGES OR FUEL-BURNING APPLIANCES SHALL BE PROVIDED WITH A CARBON MONOXIDE ALARM IN ACCORDANCE WITH SECTION R315.2. CARBON MONOXIDE
- ALARMS SHALL ONLY BE REQUIRED IN THE SPECIFIC DWELLING UNIT OR SLEEPING UNIT FOE WHICH THE PERMIT WAS OBTAINED. (R315.2.2). EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION R303.1 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 6 FOOT CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHED ABOVE THE FLOOR LEVEL (R303.1).
- . A COPY OF THE EVALUATION REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE. EVERY HOLDER OF A DEMOLITION PERMIT AND/OR BUILDING PERMIT SHALL COMPLETELY ENCLOSE BY FENCING THE CONSTRUCTION SITE PRIOR TO THE START OF DEMOLITION OR CONSTRUCTION. SEE ALSO CHAPTER 33 OF THE U.B.C. REGARDING PROTECTION OF PEDESTRIANS. IF EXCAVATING.
- CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT (USA 1-800-422- 4133) PRIOR TO ANY EXCAVATION. A CONSTRUCTION SITE NOTIFICATION IS REQUIRED IF THE BUILDING VALUATION IS GREATER THAN \$50,000.

(A



SCOPE OF PROJECT THE PROJECT CONSISTS OF A NEW SINGLE FAMILY HOME AND ATTACHED GARAGE RE-BUILD IN A 4212 W.BURBANK BLVD PREVIOUSLY DEVELOPED PROPERTY THAT WAS DESTROYED DUE TO A FIRE BURBANK. CA 91505 P: 949.264.3320 WWW.alijaberarch.com **PROJECT DATA** LEGAL DESCRIPTION: APN # 773-11-010 TRACT # 87018 LOT AREA - 39,050 SQ FT (0.9 ACRES) **CONSTRUCTION TYPE - V-B** ZONE - RR-d1-sr (RESIDENTIAL) FIRE HAZARD - VHFHSZ **HCP RURAL DEVELOPMENT - IN** OCCUPANCY R-3 (RESIDENTIAL) / U (GARAGE) SPRINKLER - YES (DEFFERED SUBMITTAL) STORIES - 1 FEMA FLOOD ZONE: D ZONING: REQUIRED SETBACKS PRIMARY STRUCTURE: FRONT (30FT), SIDE (20FT UNDER 1 ACRE), REAR BUILIÓNG HEIGHT: 35 FT MAX, 25'-6" PROVIDED SEAL FLOOR AREA: (N) 1ST FLOOR: 3,950 SF (N) GARAGE: 519 SF TOTAL BUILDING AREA: 4,469 SF (N) COVERED PORCH: 150 SF (N) REAR PATIO: 1.012 SF DATE: 06/19/2024 (E) ACCESSORY STRUCTURES = 3.335 SF LOT COVERAGE = 3,950 + 519 + 150 +1,012 + 3,335 / 39,050 = 22.9% PROJECT SHYSHKA RESIDENCE GRADING QUANTITIES : CUT FILL NET MAX CUT HT MAX FILL HT 1285 W. EDMUNDSON MORGAN HILL. CA 9503 **BUILDING PADS** 150 CY 24 IN DRIVEWAY: 50 CY 6 IN CLIEN SITE GRADING: 200 CY 4 IN TREVAR & CAMILA SHYSHKA (EQ. SITE DISTRICUTION) **RETAINING WALL** ISSUED MARK DATE DESCRIPTION OFFICE OF COUNTY ASSESSOR —— SANTA CLARA COUNTY, CALIFORNIA BOOK PAGE 773 11 CATHERINE DUNNE RANCH - MAP NO. 3 TRACT No. 3052 216-M-38 377.93 282.15 7.40 AC. GR 4.72 AC 7.38 AC. NET 6.313 AC 4.76 A <u>29</u> (767 19 \$25 . P.M. 381 - M - 11 TITLE COVER SHEE AVE. TRACT Nº 3052 DODD SUBD (22 SHEET tra det. map 253 LAWRENCE E. STONE – ASSESSO Cadastral map for assessment purposes of Compiled under R. & T. Code, Sec. 3 Effective Roll Year 2023-2024

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: 1285 W Edmundson Calculation Description: Title 24 Analysis

Project Name 1285 W Edmundson

Run Title Title 24 Analysis

Project Location 1285 W Edmundson

Zip code 95037 Climate Zone 4

Building Type Single family

Fuel Type Natural gas

03 This building incorporates one or more Special Features shown below

Addition Cond. Floor Area (ft²) 0

01 Building Complies with Computer Performance

Existing Cond. Floor Area (ft²) n/a

Total Cond. Floor Area (ft²) 3,950

ADU Bedroom Count n/a

Project Scope Newly Constructed

City Morgan Hill 05

07

09

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15 17

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21

23

02 This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider.

GENERAL INFORMATION

01 02

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COMPLIANCE RESULTS

Calculation Date/Time: 2024-06-18T11:56:25-07:00 Input File Name: 240297_RD.ribd22x

Standards Version 2022

Number of Dwelling Units

Fenestration Average U-factor 0.33

ADU Conditioned Floor Area n/a

Number of Bedrooms 3

Number of Stories 1

Glazing Percentage (%) 25.90%

No Dwelling Unit: No

Front Orientation (deg/ Cardinal) 45

Software Version EnergyPro 9.2

CF1R-PRF-01-E (Page 1 of 17)

| | IN TIAL PERFORMANCE CO | WIPLIANCE WETHOD | | 2024 05 40744 55 | 25 07 00 | CFIR-PRF-U. | |
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| ect Name: 1285 W Edmundson | | | Calculation Date/Tin | ne: 2024-06-18111:56 | :25-07:00 | (Page 2 of | |
| ulation Description: Title 24 Analys | sis | | Input File Name: 240 | 0297_RD.ribd22x | | | |
| RGY DESIGN RATINGS | 140 | | | 2010 2010 | | | |
| | | Energy Design Ratings | | | Compliance Margins | | |
| | Source Energy (EDR1) | Efficiency ¹ EDR (EDR2efficiency) | Total ² EDR (EDR2total) | Source Energy (EDR1) | Efficiency ¹ EDR (EDR2efficiency) | Total ² EDR (EDR2total) | |
| Standard Design | 36.7 | 44.5 | 29.6 | | | | |
| Proposed Design | 23.5 | 42.9 | 28 | 13.2 | 1.6 | 1.6 | |
| | 1. 1. 1. 1. 1. 1. I. | | | 17 | | | |
| iciency EDR includes improvements like tal EDR includes efficiency and demand ilding complies when source energy, eff | e a better building envelope and response measures such as p ficiency and total compliance | nd more efficient equipme shotovoltaic (PV) system a margins are greater than | nt nd batteries pr equal to zero and un | met load hour limits are | not exceeded | | |
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Report Version: 2022.0.000

Schema Version: rev 20220901

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|--|---|--|---|---|---|--------------------------|---|---------------------------------------|
| Input File Name: 240297_RD.ribd22x Compliance Margins Source Energy (EDR1) Efficiency ¹ EDR (EDR2ofal) Source Energy (EDR1) Efficiency ¹ EDR (EDR2ofal) Total ² EDR (EDR2ofal) <th< th=""><th>Input File Name: 240297_RD.ribd22x ERGY DESIGN RATINGS Energy Design Ratings Compliance Margins Source Energy (EDR1) Efficiency¹ EDR (EDR2) Source Energy (EDR1) Efficiency¹ EDR (EDR2) Total² EDR (EDR2) Total² EDR (EDR2) Source Energy (EDR1) Efficiency¹ EDR (EDR2) Total² EDR (EDR2) Standard Design 36.7 44.5 29.6 Proposed Design 36.7 44.5 29.6 Efficiency¹ EDR (EDR2) 1.6 1.6 RESULT³: PASS Efficiency and demand response measures such as photovoltaic (PV) system and batteries total EDR includes improvements like a better building envelope and more efficient equipment total CDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries total CDR includes efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded Standard Design PV Capacity: 3.39 kWdc (a factor of 3.388) to achieve 'Standard Design PV' PV scaling</th><th>bject Name: 1285 W Edmundson</th><th></th><th></th><th>Calculation Date/Tin</th><th>ne: 2024-06-18111:56</th><th>:25-07:00</th><th>(Page 2 of</th></th<> | Input File Name: 240297_RD.ribd22x ERGY DESIGN RATINGS Energy Design Ratings Compliance Margins Source Energy (EDR1) Efficiency ¹ EDR (EDR2) Source Energy (EDR1) Efficiency ¹ EDR (EDR2) Total ² EDR (EDR2) Total ² EDR (EDR2) Source Energy (EDR1) Efficiency ¹ EDR (EDR2) Total ² EDR (EDR2) Standard Design 36.7 44.5 29.6 Proposed Design 36.7 44.5 29.6 Efficiency ¹ EDR (EDR2) 1.6 1.6 RESULT ³ : PASS Efficiency and demand response measures such as photovoltaic (PV) system and batteries total EDR includes improvements like a better building envelope and more efficient equipment total CDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries total CDR includes efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded Standard Design PV Capacity: 3.39 kWdc (a factor of 3.388) to achieve 'Standard Design PV' PV scaling | bject Name: 1285 W Edmundson | | | Calculation Date/Tin | ne: 2024-06-18111:56 | :25-07:00 | (Page 2 of |
| RGY DESIGN RATINGS Compliance Margins Compliance Margins Source Energy (EDR1) Efficiency ¹ EDR (EDR2efficiency) Compliance Margins Source Energy (EDR1) Efficiency ¹ EDR (EDR2efficiency) Compliance Margins Source Energy (EDR1) Efficiency ¹ EDR (EDR2efficiency) Total ² EDR (EDR2total) Standard Design 3.6.7 44.5 29.6 Proposed Design 23.5 42.9 28 13.2 1.6 1.6 Ficiency EDR includes improvements like a better building envelope and more efficient equipment tat EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries ailding complies when source energy, efficiency and total compliance wargins are greater than or equal to zero and unwet load hour limits are not exceeded | ERGY DESIGN RATINGS Compliance Margins Compliance Margins Source Energy (EDR1) Efficiency ¹ EDR (EDR2efficiency) Total ² EDR (EDR2total) Source Energy (EDR1) Efficiency ¹ EDR (EDR2efficiency) Total ² EDR (EDR2total) Standard Design 36.7 44.5 29.6 | Iculation Description: Title 24 Analys | is | | Input File Name: 240 | 0297_RD.ribd22x | | |
| Energy Design Ratings Compliance Margins Source Energy (EDR1) Efficiency ¹ EDR (EDR2efficiency) Total ² EDR (EDR2total) Source Energy (EDR1) Efficiency ¹ EDR (EDR2efficiency) Total ² EDR (EDR2total) Standard Design 36.7 44.5 29.6 | Compliance Margins Compliance Margins Source Energy (EDR1) Efficiency ¹ EDR (EDR2) Total ² EDR (EDR2) Source Energy (EDR1) Efficiency ¹ EDR (EDR2) Total ² EDR (EDR2) Standard Design 36.7 44.5 29.6 1.6 1.6 Proposed Design 23.5 42.9 28 13.2 1.6 1.6 Standard Design Source energy, efficiency and demand response measures such as provolatic (PV) system and batteries Source energy, efficiency and total compliance wergins are greater than or equal to zero and unum iterational or exponse to total compliance mergins are greater than or equal to zero and unum iterational or exponse to the efficiency end total compliance mergins are greater than or equal to zero and unum iterational or exponse to the efficiency end total compliance mergins are greater than or equal to zero and unum iterational or exponse to the efficiency end total compliance mergins are greater than or equal to zero and unum iterational or exponse to the efficiency end total compliance mergins are greater than or equal to zero and unum iterational or exponse to the end total compliance mergins are greater than or equal to zero and unum iterational or exponse to the end total compliance mergins are greater than or equal to zero and unum iterational or exponse to the end total or end total compliance mergins are greater than or equal to zero and unum iterational or exponse to the end total compliance mergins are greater than or equal to zero and unum iterational or end total compliance mergins are greater than or equal to zero and unum iteratic | ERGY DESIGN RATINGS | | | | | | |
| Source Energy (EDR1)Efficiency1 EDR (EDR2efficiency)Total2 EDR (EDR2total)Source Energy (EDR1)Efficiency1 EDR (EDR2efficiency)Total2 EDR (EDR2total)Standard Design36.744.529.6 | Source Energy (EDR1)Efficiency1 EDR (EDR2efficiency)Total2 EDR (EDR2total)Source Energy (EDR1)Efficiency1 EDR (EDR2efficiency)Total2 EDR (EDR2total)Standard Design36.744.529.6 | | | Energy Design Ratings | | | | |
| Standard Design 36.7 44.5 29.6 Proposed Design 23.5 42.9 28 13.2 1.6 1.6 RESULT ³ : PASS ficiency EDR includes improvements like a better building envelope and more efficient equipment total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries and batteries and bour limits are not exceeded 1.6 | Standard Design 36.7 44.5 29.6 Proposed Design 23.5 42.9 28 13.2 1.6 1.6 RESULT ³ : PASS RESULT ³ : PASS Efficiency EDR includes improvements like a better building envelope and more efficient equipment Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded Standard Design PV Capacity: 3.39 kWdc PV System resized to 3.39 kWdc (a factor of 3.388) to achieve 'Standard Design PV' PV scaling V Scaling | | Source Energy (EDR1) | Efficiency ¹ EDR (EDR2efficiency) | Total ² EDR (EDR2total) | Source Energy (EDR1) | Efficiency ¹ EDR (EDR2efficiency) | Total ² EDR (EDR2total) |
| Proposed Design 23.5 42.9 28 13.2 1.6 1.6 RESULT ³ : PASS ficiency EDR includes improvements like a better building envelope and more efficient equipment vtal EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries uilding complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded | Proposed Design 23.5 42.9 28 13.2 1.6 1.6 RESULT ³ : PASS Efficiency EDR includes improvements like a better building envelope and more efficient equipment Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded Standard Design PV Capacity: 3.39 kWdc PV System resized to 3.39 kWdc (a factor of 3.388) to achieve 'Standard Design PV' PV scaling | Standard Design | 36.7 | 44.5 | 29.6 | | | |
| RESULT ³ : PASS ficiency EDR includes improvements like a better building envelope and more efficient equipment tal EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries ailding complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded | RESULT ³ : PASS Efficiency EDR includes improvements like a better building envelope and more efficient equipment Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded Standard Design PV Capacity: 3.39 kWdc PV System resized to 3.39 kWdc (a factor of 3.388) to achieve 'Standard Design PV' PV scaling | Proposed Design | 23.5 | 42.9 | 28 | 13.2 | 1.6 | 1.6 |
| Standard Design PV Capacity: 3.39 kWdc PV System resized to 3.39 kWdc (a factor of 3.388) to achieve 'Standard Design PV' PV scaling | | miciency EDR includes improvements like | a better building envelope a | nd more efficient equipme | ent | | | |
| | | Total EDR includes efficiency and demand Building complies when source energy, eff Standard Design PV Capacity: 3.39 kW PV System resized to 3.39 kWdc (a fac | response measures such as p iciency and total compliance vdc ctor of 3.388) to achieve 'Star | nd more efficient equipme ohotovoltaic (PV) system ar margins are greater than o ndard Design PV' PV scaling | nt nd batteries or equal to zero and un | met load hour limits are | not exceeded | |
| | | Total EDR includes efficiency and demand Building complies when source energy, eff Standard Design PV Capacity: 3.39 kW PV System resized to 3.39 kWdc (a fac | response measures such as p iciency and total compliance Vdc tor of 3.388) to achieve 'Star | nd more efficient equipme ohotovoltaic (PV) system ar margins are greater than o ndard Design PV' PV scaling | ent and batteries for equal to zero and un g | met load hour limits are | not exceeded | |
| | | Triclency EDR includes improvements like Total EDR includes efficiency and demand Building complies when source energy, eff Standard Design PV Capacity: 3.39 kW PV System resized to 3.39 kWdc (a fac | response measures such as p iciency and total compliance Vdc :tor of 3.388) to achieve 'Star | nd more efficient equipme obotovoltaic (PV) system ar margins are greater than o ndard Design PV' PV scaling | ent and batteries or equal to zero and un g | met load hour limits are | not exceeded | |

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| CERTIFICATE OF C | OMPLIANCE - RES | IDENTIAL PERFORMA | NCE COMPLIAN | CE METHOD | tion Dat | e/Time: 202 | 1-06-181 | 11.56.25-07.0 | 00 | CI (| -1R-PRF-01-I Page 4 of 17 |
|--|---|---|--------------------------|-------------------------|------------------------|------------------|---------------|--------------------------------|--------------------|----------------------|------------------------------|
| Calculation Descri | iption: Title 24 An | alysis | | Input F | ile Name | e: 240297_R |).ribd22 | (| | , | |
| ENERGY USE INTEN | SITY | | | | | | | | 35 | | |
| | | Standard Design (kBt | u/ft ² - yr) | Proposed Design (kBtu/ | ft ² - yr) | Complian | ce Margir | n (kBtu/ft ² - yr) |) | Margin Percer | itage |
| Gross | EUI ¹ | 9.86 | 1 | 7.21 | | | 2.65 | | | 26.88 | |
| Net E | EUI ² | 6.28 | | 3.63 | | () h | 2.65 | | | 42.2 | |
| Notes 1. Gross EUI is Er 2. Net EUI is Ene | nergy Use Total (not rgy Use Total (includ | including PV) / Total Buil ling PV) / Total Building A | ding Area. rea. | | X | | | | | | |
| REQUIRED PV SYST | EMS | | | | | | | 26 | | Art. | 5 |
| 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 Acces (%) |
| 3.39 | NA | Standard (14-17%) | Fixed | none | true | 150-270 | n/a | n/a | <=7:12 | 96 | 98 |
| BATTERY SYSTEMS | | | | | | | | | - | | |
| 01 | | 02 | 03 | 04 | | 05 | - | 0 | 6 | | 07 |
| Control | Canad | the (kWh) | Ch | arging | | DI. | Disch | harging | | Bound Tri | n Efficiency |
| Control | Сарас | Cha | rging Efficiency | Charging Rate (kW | /) (| Discharging Eff | iciency | Discharging | g Rate (kW) | | penciency |
| Basic | | 5 | 0.85 | n/a | | 0.85 | | n, | /a | |).9 |
| REQUIRED SPECIAL | FEATURES | | | | | | | | | | |
| The following are fe | atures that must be | installed as condition for | r meeting the mod | deled energy performanc | e for this | computer ana | lysis. | | | | |

Battery System: 5 kWh (Self Utilization Credit taken) Insulation below roof deck

Window overhangs and/or fins

Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater; specific brand/model, or equivalent, must be installed

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| ATTIC | | | | | | | | | | | | | |
|--------------------------------|---------|---------------------------|-------------|---------|---------------|----------------|--------|----------------------------|----------|--------------------|--------|-------------|-----------------|
| 01 | | 02 | 03 | 3 | | 04 | | 05 | | 06 | 0 |)7 | 08 |
| Name | | Construction | Тур | be | Roof R | ise (x in 12 |) Roof | Reflectan | ce Roof | Emittance | Radian | t Barrier | Cool Roof |
| Attic 2nd Floor Z | one At | tic Roof2nd Floor Zone | Ventil | ated | | 1 | | 0.1 | | 0.85 | М | lo | No |
| FENESTRATION / G | GLAZING | | _ | | | | | | | | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 |
| Name | Туре | Surface | Orientation | Azimuth | Width (ft) | Height (ft) | Mult. | Area (ft ²) | U-factor | U-factor Source | SHGC | SHGC Source | Exterior Shadin |
| Northwest Window (New) | Window | Northwest Wall (New) | Right | 315 | 11 | | 1 | 24 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northwest Window (New) 2 | Window | Northwest Wall (New) | Right | 315 | | | 1 | 8 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northwest Window (New) 3 | Window | Northwest Wall (New) | Right | 315 | | | 1 | 25.5 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northwest Window (New) 4 | Window | Northwest Wall (New) | Right | 315 | | | 1 | 45 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northwest Door (New) | Window | Northwest Wall (New) | Right | 315 | | | 1 | 77.3 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Window (New) | Window | Northeast Wall (New) | Front | 45 | | | 1 | 37 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Window (New) 2 | Window | Northeast Wall (New) | Front | 45 | | | 1 | 37 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Window (New) 3 | Window | Northeast Wall (New) | Front | 45 | | | 1 | 25.5 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |

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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERF Project Name: 1285 W Edmundson Calculation Description: Title 24 Analysis

| det | following is a summary of ail is provided in the build | f the features that must be ing tables below. Registere |
|-----|---|--|
| • | Quality insulation insta | llation (QII) |
| | Indoor air quality venti | lation |
| • | Kitchen range hood | |
| • | Minimum Airflow | |
| • | Verified SEER/SEER2 | |
| • | Verified Refrigerant Ch | arge |
| • | Fan Efficacy Watts/CFM | 1 |
| • | Verified HSPF2 | |
| • | Verified heat pump rate | ed heating capacity |
| • | Duct leakage testing | |
| BUI | LDING - FEATURES INFOR | MATION |
| BUI | LDING - FEATURES INFOR | MATION 02 |
| BUI | LDING - FEATURES INFOR 01 Project Name | MATION 02 Conditioned Floor Ar |
| BUI | LDING - FEATURES INFOR 01 Project Name 1285 W Edmundson | MATION 02 Conditioned Floor An 3,950 |
| zor | LDING - FEATURES INFOR 01 Project Name 1285 W Edmundson NE INFORMATION | MATION 02 Conditioned Floor Ar 3,950 |
| zor | LDING - FEATURES INFOR 01 Project Name 1285 W Edmundson NE INFORMATION 01 | MATION 02 Conditioned Floor Ar 3,950 02 |
| zor | LDING - FEATURES INFOR 01 Project Name 1285 W Edmundson NE INFORMATION 01 Zone Name | MATION 02 Conditioned Floor Ar 3,950 02 Zone Type |

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |
|----------------------|----------------|--------------|---------|-------------|-------------------------------|-------------------------------|------------|
| Name | Zone | Construction | Azimuth | Orientation | Gross Area (ft ²) | Window and Door Area (ft2) | Tilt (deg) |
| Northwest Wall (New) | 1st Floor Zone | R-21 Wall | 315 | Right | 718 | 179.8 | 90 |
| Northeast Wall (New) | 1st Floor Zone | R-21 Wall | 45 | Front | 1042 | 314.4 | 90 |

CA Building Energy Efficiency Standards - 2022 Residential Compliance

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

| | | | | | | | culcului | | 240207 DD | -00-10111.50 | 5.25-07.00 | | (Fage 0 01 1 |
|--------------------------------|---------|-------------------------|-------------|---------|---------------|----------------|----------|----------------------------|-------------|--------------------|------------|-------------|-----------------|
| ENESTRATION / | GLAZING | e 24 Analysis | | | | | Input Fi | le Name | : 240297_RD | .ribd22x | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 |
| Name | Туре | Surface | Orientation | Azimuth | Width (ft) | Height (ft) | Mult. | Area (ft ²) | U-factor | U-factor Source | SHGC | SHGC Source | Exterior Shadin |
| Northeast Window (New) 4 | Window | Northeast Wall (New) | Front | 45 | | | 1 | 25.5 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Window (New) 5 | Window | Northeast Wall (New) | Front | 45 | | | 1 | 24.2 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Door (New) | Window | Northeast Wall (New) | Front | 45 | 1 | | 1 | 77.3 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Window (New) 6 | Window | Northeast Wall (New) | Front | 45 | | | 1 | 24.2 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Window (New) 7 | Window | Northeast Wall (New) | Front | 45 | | | 1 | 9 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Southeast Window (New) | Window | Southeast Wall (New) | Left | 135 | | | 1 | 20 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Southeast Window (New) 2 | Window | Southeast Wall (New) | Left | 135 | | | 1 | 20 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Southwest Window (New) | Window | Southwest Wall (New) | Back | 225 | | | 1 | 10 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Southwest Window (New) 2 | Window | Southwest Wall (New) | Back | 225 | | | 1 | 41 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Southwest Window (New) 3 | Window | Southwest Wall (New) | Back | 225 | | | 1 | 41 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |

Schema Version: rev 20220901

| ORMA | NCE COMPLIANCE M | ETHOD | | | CF1R-PRF-01 |
|----------------------|---|---|---|--|---|
| | | Calculation Da | te/Time: 2024-06-18T | 11:56:25-07:00 | (Page 5 of 1 |
| | | Input File Nam | ne: 240297_RD.ribd22 | (| |
| B-14 | | | | | ter en lucia Adduianal |
| CF2Rs | and CF3Rs are required | to be completed in the HER | Registry | gy performance for this compu | ter analysis. Additional |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |
| | | | <u> </u> | | |
| | 03 | 04 | 05 | 06 | 07 |
| (ft ²) | 03 Number of Dwelling Units | 04 Number of Bedrooms | 05 Number of Zones | 06 Number of Ventilation Cooling Systems | 07 Number of Water Heating Systems |
| ı (ft ²) | 03 Number of Dwelling Units 1 | 04 Number of Bedrooms 3 | 05 Number of Zones 2 | 06 Number of Ventilation Cooling Systems 0 | 07 Number of Water Heating Systems 1 |
| ı (ft ²) | 03 Number of Dwelling Units 1 | 04 Number of Bedrooms 3 | 05 Number of Zones 2 | 06 Number of Ventilation Cooling Systems 0 | 07 Number of Water Heating Systems 1 |
| ı (ft ²) | 03 Number of Dwelling Units 1 | 04 Number of Bedrooms 3 | 05 Number of Zones 2 | 06 Number of Ventilation Cooling Systems 0 | 07 Number of Water Heating Systems 1 |
| (ft ²) | 03 Number of Dwelling Units 1 03 | 04 Number of Bedrooms 3 04 | 05 Number of Zones 2 05 | 06 Number of Ventilation Cooling Systems 0 | 07 Number of Water Heating Systems 1 07 |
| ı (ft²) HVA | 03 Number of Dwelling Units 1 03 C System Name | 04 Number of Bedrooms 3 04 Zone Floor Area (ft ²) | 05 Number of Zones 2 05 Avg. Ceiling Height | 06 Number of Ventilation Cooling Systems 0 0 Water Heating System 1 | 07 Number of Water Heating Systems 1 07 Status |

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| CERTIFICATE OF COMP | LIANCE - RESIDENTIAL PERFO | RMANCE COMPLIANCE METH | IOD | | | CF1R-PRF-01- |
|---|--|---|--|---|-----------------------------|-----------------------------|
| Project Name: 1285 W Calculation Description | Edmundson n: Title 24 Analysis | | Calculation Date/Time Input File Name: 2402 | : 2024-06-18T11:56:25-07:00 97_RD.ribd22x | | (Page 3 of 17 |
| ENERGY USE SUMMARY | | | | ni a | | |
| Energy Use | Standard Design Source Energy (EDR1) (kBtu/ft ² -yr) | Standard Design TDV Energy (EDR2) (kTDV/ft ² -yr) | Proposed Design Source Energy (EDR1) (kBtu/ft ² -yr) | Proposed Design TDV Energy (EDR2) (kTDV/ft ² -yr) | Compliance Margin (EDR1) | Compliance Margin (EDR2) |
| Space Heating | 4.23 | 18.82 | 2.23 | 16.8 | 2 | 2.02 |
| Space Cooling | 0.32 | 18.46 | 0.38 | 21.32 | -0.06 | -2.86 |
| IAQ Ventilation | 0.26 | 2.81 | 0.26 | 2.81 | 0 | 0 |
| Water Heating | 0.58 | 6.13 | 0.34 | 3.99 | 0.24 | 2.14 |
| Self Utilization/Flexibility Credit | | Ní | | -0.42 | | 0.42 |
| Efficiency Compliance Total | 5.39 | 46.22 | 3.21 | 44.5 | 2.18 | 1.72 |
| Photovoltaics | -0.58 | -19.5 | -0.58 | -20.54 | | |
| Battery | | | -0.56 | 0 | | |
| Flexibility | | | | | | |
| Indoor Lighting | 0.5 | 4.96 | 0.5 | 4.96 | | |
| Appl. & Cooking | 1.1 | 7.1 | 1.1 | 7.11 | | |
| Plug Loads | 1.06 | 11.08 | 1.06 | 11.08 | | |
| Outdoor Lighting | 0.15 | 1.32 | 0.15 | 1.32 | | |
| TOTAL COMPLIANCE | 7.62 | 51.18 | 4.88 | 48.43 | | |

 Registration Number: 424-P010109615A-000-00000000-0000
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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Calculation Date/Time: 2024-06-18T11:56:25 Project Name: 1285 W Edmundson Input File Name: 240297_RD.ribd22x Calculation Description: Title 24 Analysis **OPAQUE SURFACES** 01 02 03 04 05 06 Zone Construction Azimuth Orientation Gross Area (ft²) Name Southeast Wall (New) 1st Floor Zone R-21 Wall 135 Left 718 Southwest Wall (New) 1st Floor Zone R-21 Wall 225 Back 1042 Northwest Wall (New) R-21 Wall 315 Right 462 2nd Floor Zone 2 theast Wall (New) 2 2nd Floor Zone R-21 Wall 45 Front 541 135 Left 462 R-21 Wall utheast Wall (New) 2 2nd Floor Zone Southwest Wall (New) 2nd Floor Zone R-21 Wall 225 Back 541 2 n/a 2655 Roof 3 1st Floor Zone R-38 Ceiling + R-21 Roof n/a n/a n/a 1079 Roof 4 2nd Floor Zone R-38 Ceiling + R-21 Roof n/a Raised Floor 1st Floor Zone R-19 Floor Crawlspace n/a 3950 n/a n/a 1166 Interior Surface 1st Floor Zone Interior Ceiling n/a 1166 Interior Surface 2 2nd Floor Zone Interior Floor n/a **OPAQUE SURFACES - CATHEDRAL CEILINGS** 01 02 03 04 05 06 07 08 Skylight Area Roof Rise (x in Azimuth Orientation Area (ft²) Name Zone Construction (ft²) 12) F
 Roof
 1st Floor Zone
 R-38 Ceiling + R-21 Roof1
 0
 n/a
 129.1
 129
 1

 Roof 2
 2nd Floor Zone
 R-38 Ceiling + R-21 Roof1
 0
 n/a
 87.1
 87
 1

| ATTIC | | | | | | | | | | |
|----------------------|-----------------------------|------------|---------------------|------------------|----------------|---|--|--|--|--|
| 01 | 01 02 0 | | 04 | 05 | 06 | Τ | | | | |
| Name | Construction | Туре | Roof Rise (x in 12) | Roof Reflectance | Roof Emittance | T | | | | |
| Attic 1st Floor Zone | Attic Roof1st Floor Zone | Ventilated | 1 | 0.1 | 0.85 | T | | | | |

 Registration Number:
 424-P010109615A-000-0000000-00000
 Registration Date/Time:
 06/18/2024
 12:38
 HERS Provider:
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 Report Version:
 2022.0.000
 Report Generated:
 2024-06-18
 11:58:35

 Schema Version: rev 20220901

| CERTIFICATE OF Project Name: 1 | 285 W Edmi | CE - RESIDENTIAL undson | PERFORMAN | ICE COMPLI | ANCE ME | THOD | Calcula | tion Date | e/Time: 2024 | I-06-18T11:5 | 6:25-07:00 | | CF1R-PRF-01 (Page 9 of 1 |
|-----------------------------------|-----------------|----------------------------|-------------|------------|---------------|----------------|---------|----------------------------|--------------|--------------------|------------|-------------|-----------------------------|
| Calculation Desc | cription: Title | e 24 Analysis | | | | | Input F | le Name | : 240297_RD |).ribd22x | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 |
| Name | Туре | Surface | Orientation | Azimuth | Width (ft) | Height (ft) | Mult. | Area (ft ²) | U-factor | U-factor Source | SHGC | SHGC Source | Exterior Shadi |
| Southwest Window (New) 4 | Window | Southwest Wall (New) | Back | 225 | | | 1 | 41 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Southwest Door (New) | Window | Southwest Wall (New) | Back | 225 | | | 1 | 27 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Southwest Window (New) 5 | Window | Southwest Wall (New) | Back | 225 | 1 | | 1 | 24.2 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Southwest Window (New) 6 | Window | Southwest Wall (New) | Back | 225 | | 1 | 1 | 24.2 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Southwest Window (New) 7 | Window | Southwest Wall (New) | Back | 225 | | | 1 | 10 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northwest Window (New) 5 | Window | Northwest Wall (New) 2 | Right | 315 | 10 | 8 | 1 | 80 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northwest Window (New) 6 | Window | Northwest Wall (New) 2 | Right | 315 | 10 | 8 | 1 | 80 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northwest Door (New) 2 | Window | Northwest Wall (New) 2 | Right | 315 | 10 | 9 | 1 | 90 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Window (New) 8 | Window | Northeast Wall (New) 2 | Front | 45 | | | 1 | 15.3 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |

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| 25-07:00 | | | CF1R-PRF-01-E (Page 6 of 17) | | | |
|--------------------|------------------|--------|---------------------------------|--|--|--|
| 07 | | | 08 | | | |
| Window a Area (| nd Door (ft2) | ŝ | Tilt (deg) | | | |
| 64 | | | 90 | | | |
| 245 | .4 | | 90 | | | |
| 25 | D | | 90 | | | |
| 160 | .9 | | 90 | | | |
| 0 | | | 90 | | | |
| 0 | Į. | | 90 | | | |
| n/a | a | | n/a | | | |
| n/a | a | | n/a | | | |
| n/a | э | n/a | | | | |
| n/a | Э | n/a | | | | |
| n/a | a | | n/a | | | |
| 09 | 10 | Т | 11 | | | |
| Roof eflectance | Roof Emi | ttance | Cool Roof | | | |
| 0.1 | 0.85 | ; | No | | | |
| 0.1 | 0.85 | ; | No | | | |
| W <u>24</u> | | | | | | |
| 07 | | | 08 | | | |
| Radiant | Barrier | | Cool Roof | | | |

No

No

| ARCHITEC | R T |
|--|----------|
| 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 WWW.alijaberarch.com | |
| CENSED ARCHI CENSED ARCHI JABER C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 | |
| SEAL | - |
| DATE: 06/19/2024 | - |
| 1285 W. EDMUNDSON | |
| CLIENT TREVAR & CAMILA SHYSHKA | |
| ISSUED MARK DATE DESCRIPTION | - |
| | |
| | |
| TITLE TITLE 24 | _ |
| TITLE TITLE 24 SHEET A-002A | _ |

| CERTIFICATE OF | COMPLIANC | E - RESIDENTIAL | PERFORMAN | CE COMPLI | ANCE ME | THOD | | | | | | | CF1R-PRF-01-E |
|---------------------------------|----------------|---------------------------|-------------|-----------|---------------|----------------|----------|----------------------------|--------------|--------------------|------------|-------------|------------------|
| Project Name: 1 | 285 W Edmi | undson | | | | | Calculat | tion Date | e/Time: 2024 | 4-06-18T11:50 | 6:25-07:00 | | (Page 10 of 17) |
| Calculation Desc | ription: Title | e 24 Analysis | | | | | Input Fi | ile Name | : 240297_RD |).ribd22x | | | |
| FENESTRATION / | GLAZING | | | | | | | | | | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 |
| Name | Туре | Surface | Orientation | Azimuth | Width (ft) | Height (ft) | Mult. | Area (ft ²) | U-factor | U-factor Source | SHGC | SHGC Source | Exterior Shading |
| Northeast Window (New) 9 | Window | Northeast Wall (New) 2 | Front | 45 | | | 1 | 15.3 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Window (New) 10 | Window | Northeast Wall (New) 2 | Front | 45 | | 1 | 1 | 56.3 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Window (New) 11 | Window | Northeast Wall (New) 2 | Front | 45 | 1 | | 1 | 37 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Northeast Window (New) 12 | Window | Northeast Wall (New) 2 | Front | 45 | | | 1 | 37 | 0.3 | NFRC | 0.23 | NFRC | Bug Screen |
| Skylight (New) | Skylight | Roof | | 0 | | | 1 | 9 | 0.47 | NFRC | 0.25 | NFRC | |
| Skylight (New) 2 | Skylight | Roof | | 0 | | ×24 | 1 | 9 | 0.47 | NFRC | 0.25 | NFRC | |

Skylight (New) 3 0.47 NFRC Roof Skylight 0 0.25 NFRC Skylight (New) 4 9 0.47 NFRC Roof 0 0.25 Skylight NFRC 1 Skylight (New) 5 NFRC Roof 0 18 0.47 0.25 NFRC Skylight Skylight (New) Roof 0.47 NFRC 0.25 NFRC Skylight 0 16 6 Skylight (New) 7 16 0.47 NFRC Roof 0.25 NFRC Skylight 0

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| CERTIFICATE OF CO | MPLIANCE - RE | SIDENTIAL PERFORM | ANCE COMPL | IANCE M | ETHOD | | | | | CF1R-PRF-01-E |
|----------------------|-----------------------------|--------------------|--------------------|---------|-------------------|-------------------------|--|---------------------|---|---|
| Project Name: 128 | 5 W Edmundson | | | | Calcul | ation Date/Ti | me: 2024-06-18 | Г11:56:25-07 | :00 | (Page 13 of 17) |
| Calculation Descrip | otion: Title 24 Ar | nalysis | | | Input | File Name: 24 | 0297_RD.ribd22 | x | | |
| OPAQUE SURFACE CO | ONSTRUCTIONS | | | | | | | | | |
| 01 | 0 | 2 | 03 | | 04 | 05 | 06 | 07 | | 08 |
| Construction Nan | ne Surfac | e Type Constru | ction Type | F | raming | Total Cavity R-value | Interior / Exteri Continuous R-value | U-factor | Assemb | ly Layers |
| Interior Floor | Interio | Floors Wood Fi | amed Floor | 2x12 @ | 9 16 in. O. C. | R-O | None / None | 0.196 | Floor Surfa Floor De Siding/sheat Cavity / Frame: Ceiling Below Fin | ce: Carpeted ick: Wood thing/decking : no insul. / 2x12 ish: Gypsum Board |
| Interior Ceiling | Interior | Ceiling Wood | l Framed eiling | 2x4 @ | 9 16 in. O. C. | R-0 | None / None | 0.202 | Floor Surfa Floor De Siding/sheat Cavity / Frame Ceiling Below Fin | ce: Carpeted ick: Wood :hing/decking :: no insul. / 2x4 ish: Gypsum Board |
| BUILDING ENVELOPE | - HERS VERIFICA | ΓΙΟΝ | | | | | | | | |
| 01 | | 02 | | | 03 | | 04 | | | 05 |
| Quality Insulation I | nstallation (QII) | High R-value Spray | oam Insulation | Build | ling Envelope Air | Leakage | CFM | 50 | 0 | FM50 |
| Requir | red | Not Requ | ired | | N/A | | n/a | i | | n/a |
| WATER HEATING SYS | TEMS | - | | | | | | 2 | | |
| 01 | 02 | 03 | 04 | | 05 | 0 | 6 | 07 | 08 | 09 |
| Name | System Type | Distribution Ty | water Heat | er Name | Number of Unit | s Solar H Syst | eating C em Dis | ompact tribution | HERS Verification | Water Heater Name (#) |
| DHW Sys 1 | Domestic Hot Water (DHW) | Standard | DHW He | ater 1 | 1 | n/ | 'a | None | n/a | DHW Heater 1 (1) |

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| Project Name: 1285 | 5 W Edmundson | | | Calculati | on Date/Time: 202 | 4-06-18T11:56:25-07 | :00 | (Page 16 of 17 |
|---------------------|-----------------------|-------------------------|--------------|--------------------------------------|---|--------------------------------------|-------------------------|----------------|
| Calculation Descrip | tion: Title 24 Analys | is | | Input Fil | e Name: 240297_R | D.ribd22x | | |
| HVAC FAN SYSTEMS - | HERS VERIFICATION | | | | | | | |
| | 01 | | | 02 | | | 03 | |
| | Name | | | /erified Fan Watt Dra | w | Requir | ed Fan Efficacy (Watts/ | CFM) |
| | HVAC Fan 1-hers-fan | | | Required | | | 0.45 | |
| NDOOR AIR QUALITY | Y (IAQ) FANS | | | | | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Dwelling Unit | Airflow (CFM) | Fan Efficacy (W/CFM) | IAQ Fan Type | Includes Heat/Energy Recovery? | IAQ Recovery Effectiveness - SRE/ASRE | Includes Fault Indicator Display? | HERS Verification | Status |
| SFam IAQVentRpt | 174 | 0.35 | Exhaust | No | n/a / n/a | No | Yes | |



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F1R-PRF-01-E age 10 of 17)

| CERTIFICATE OF | COMPLIANC | E - RESIDE | NTIAL PER | FORMANCE | COMPLIA | NCE ME | THOD | | | | | | | CF | 1R-PRF-01-E |
|----------------------|----------------|-------------|-----------|-------------|-----------------|---------------|----------------|----------|----------------------------|-------------------------|--------------------|-----------|----------|----------|---------------|
| Project Name: 1 | 285 W Edmu | undson | | | | | | Calculat | ion Date/ | Time: 2024 | -06-18T11:56 | :25-07:00 | | (Pa | age 11 of 17 |
| Calculation Desc | ription: Title | e 24 Analys | s | | | | | Input Fi | le Name: | 240297_RD. | ribd22x | | | | |
| FENESTRATION / G | GLAZING | | | | | | | | | | | | | | |
| 01 | 02 | 03 | | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | | 14 |
| Name | Туре | Surfac | e Ori | entation | Azimuth | Width (ft) | Height (ft) | Mult. | Area (ft ²) | U-factor | U-factor Source | SHGC | SHGC Sou | irce Ext | erior Shading |
| Skylight (New) 8 | Skylight | Roof | | | 0 | | | 1 | 16 | 0.47 | NFRC | 0.25 | NFRC | | |
| Skylight (New) 9 | Skylight | Roof | 1 | | 0 | | 1 | 1 | 18 | 0.47 | NFRC | 0.25 | NFRC | | |
| Skylight (New) 10 | Skylight | Roof | 2 | | 0 | \geq | | 1 | 78 | 0.47 | NFRC | 0.25 | NFRC | | |
| Skylight (New) 11 | Skylight | Roof | 2 | | 0 | | | 1 | 9 | 0.47 | NFRC | 0.25 | NFRC | 2 | |
| OPAQUE DOORS | | • | | | | | | | | | | | • | | |
| | 01 | | | | 02 | | | | | 03 | | | 0 | 04 | |
| | Name | | | Sid | le of Buildir | ng | 1 | 4 | | Area (ft ²) | | | U-fa | actor | |
| So | olid Core Door | • | | North | east Wall (N | New) | | | | 54.7 | | | 0 | .2 | |
| Sol | id Core Door | 2 | | South | east Wall (N | New) | | | | 24 | | | 0 | .2 | |
| Sol | id Core Door | 3 | | South | west Wall (I | New) | _ | | | 27 | | | 0 | .2 | |
| OVERHANGS AND | FINS | | | | | | | | | | | | _ | | |
| 01 | | 02 | 03 | 04 | 05 | 0 | 6 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 |
| 2.27 | | | | Overhang | | | | | L | eft Fin | | | Right | t Fin | |
| Window | ~ | Depth | Dist Up | Left Extent | Right Extent | Flap | o Ht. | Depth | Top Up | Dist L | Bot Up | Depth | Тор Uр | Dist R | Bot Up |
| Northwest Windo | ow (New) 5 | 7 | 0.1 | 7 | 7 | (| D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northwest Windo | ow (New) 6 | 7 | 0.1 | 7 | 7 | | D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northwest Doo | r (New) 2 | 7 | 0.1 | 7 | 7 | (| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| CERTIFICATE OF CO | OMPLIANCE - RESID | ENTIAL PERF | ORMAN | ICE COMPLIA | NCE | METH | OD | | | | | | | | CF1R-PRF-01-E | |
|-----------------------|------------------------------|--------------------|------------------------|-----------------------|----------|------------------|---------------------------|--------------------------------|-----------------|--------------------|-------------------|-----------------------|---------------------------|------|------------------------------------|--|
| Project Name: 128 | 5 W Edmundson | 1170 | | | | | Calc | ulation D | Date/T | fime: 202 | 24-06-187 | 11:56:25-07 | :00 | | (Page 14 of 17) | |
| Calculation Descri | ption: Title 24 Analy | sis | | | | | Inpu | ut File Na | me: 2 | 40297_F | RD.ribd22 | x | | | | |
| WATER HEATERS - N | EEA HEAT PUMP | 1041 | | | | | | | | | | | | | | |
| 01 | 02 | | 03 | | | 04 | | 05 | | | 06 | | 07 | | 08 | |
| Name | # of Units | Та | nk Vol. (į | gal) NI | EEA H | leat Pun rand | np N | IEEA Heat Mode | Pump I | | Tank Locati | ion Du | ct Inlet Air Sour | ce D | uct Outlet Air Source | |
| DHW Heater 1 | 1 | | 80 | | Rİ | neem | R | PROPH80 RH37515 (8 JA13) | 0 T2 30 gal, | | Outside | | 1st Floor Zone | | 1st Floor Zone | |
| WATER HEATING - H | ERS VERIFICATION | | _ | | | | | A | | 1 | | | | | | |
| 01 | 02 | 2 | | 03 | 1 | | 04 | | | 05 | | | 06 | | 07 | |
| Name | Pipe Ins | ulation | Pa | rallel Piping | | Com | pact Distrib | oution | Com | npact Dist Type | tribution | Recircula | ation Control | Shov | hower Drain Water Heat Recovery | |
| DHW Sys 1 - 1/ | 1 Not Red | quired | N | ot Required | | ١ | Not <mark>Req</mark> uire | ed | | None | 9 | Not | Required | | Not Required | |
| SPACE CONDITIONIN | NG SYSTEMS | | - | | - | - | | - | | 1 | - | | | | | |
| 01 | 02 | 03 | | 04 | | | 05 | | (| 06 | | 07 | 08 | | 09 | |
| Name | System Type | Heating Uni | it Name | Heating Equi Count | pme | nt Coo | oling Unit N | lame Co | oling E Co | Equipmen ount | it Fa | n Name | Distribution N | lame | Required Thermostat Type | |
| New HVAC1 | Heat pump heating cooling | Heat Pump 1 | System | 2 | 1 | Hea | at Pump Sys 1 | stem | D | 2 | HV | AC Fan 1 | Air Distribut System 1 | tion | Setback | |
| HVAC - HEAT PUMPS | 5 | | | | - | | | | | | | | | | | |
| 01 | 02 | 03 | 04 | 05 | Т | 06 | 07 | 08 | | 09 | 10 | 11 | 12 | | 13 | |
| | | | | He | ating | | | | C | ooling | | | | | | |
| Name | System Type | Number of Units | Heat Efficie Typ | ency HSPF/H PF2/CC | IS)P | Cap 47 | Cap 17 | Coolin Efficien Type | ng ncy | SEER/SE ER2 | EER/EER 2/CEER | Zonally Controlled | Compressor Type | | HERS Verification | |
| Heat Pump System 1 | Central split HP | 2 | HSP | F2 9.5 | | 60000 | 48000 | EER2SEE | ER2 | 15 | 11.7 | Not Zonal | Single Speed | н | eat Pump System 1-hers-htpump | |

| CERTIF | CATE OF COMPLIANCE - RESIDENTIAL PERFO |
|-------------------------------|---|
| Project | Name: 1285 W Edmundson |
| Calcula | tion Description: Title 24 Analysis |
| DOCUM | IENTATION AUTHOR'S DECLARATION STATEMENT |
| 1. l certi | fy that this Certificate of Compliance documentati |
| Documer Raffi Da | atation Author Name: 3 r |
| Company Precise | r Green Consulting Inc. |
| Address: 140 Sm | ith Dr |
| City/State Clarem | e/Zip: ont, CA 91711 |
| RESPON | SIBLE PERSON'S DECLARATION STATEMENT |
| I certify t 1. 2. 3. | he following under penalty of perjury, under the laws of I am eligible under Division 3 of the Business and Prof I certify that the energy features and performance spu The building design features or system design feature calculations, plans and specifications submitted to the |
| Responsi Ali Jabe | ble Designer Name: Ir |
| Company Ali Jabe | er Architect |
| Address: 4212 W | / Burbank Blvd |
| City/State Burban | e/Zip: k, CA 91505 |

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| PERFORMANCE COMPLIANCE METHOD | | CF1R-PRF-01-F |
|--|--|---|
| | Calculation Date/Time: 2024-06-18T11:56:25-07:00 | (Page 17 of 17 |
| | Input File Name: 240297_RD.ribd22x | |
| EMENT | | |
| mentation is accurate and complete. | | |
| | Documentation Author Signature: Raffú Dav | |
| | Signature Date: 06/18/2024 | |
| | CEA/ HERS Certification Identification (If applicable): | |
| | Phone: 818-291-3919 | |
| π | | |
| Haws of the State of California: and Professions Code to accept responsibility for the nance specifications identified on this Certificate of C n features identified on this Certificate of Compliance ted to the enforcement agency for approval with this | e building design identified on this Certificate of Compliance. Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the Califo e are consistent with the information provided on other applicable compliance door building permit application. Responsible Designer Signature: Alit Tabacc | rnia Code of Regulations. cuments, worksheets, |
| | AUJUON | |
| | 06/18/2024 | |
| | | |
| CHE | License: | |

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| | Schema Version: rev 20220901 | |

| CERTIFICATE OF COMPLI | ANCE - RESIDENTIAL | PERFORMANCE COM | PLIANCE METHOD | | | | CF1R-PRF-01-F |
|--|-------------------------------|------------------------|--------------------|--------------------------------------|--|------------|---|
| Project Name: 1285 W E Calculation Description: | dmundson Title 24 Analysis | | Calc | ulation Date/Til It File Name: 24 | me: 2024-06-18T1: 0297_RD.ribd22x | 1:56:25-07 | :00 (Page 12 of 17 |
| OPAQUE SURFACE CONSTR | RUCTIONS | | | | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |
| Construction Name | Surface Type | Construction Type | Framing | Total Cavity R-value | Interior / Exterior Continuous R-value | U-factor | Assembly Layers |
| R-21 Wall | Exterior Walls | Wood Framed Wall | 2x6 @ 16 in. O. C. | R-21 | None / None | 0.069 | Inside Finish: Gypsum Board Cavity / Frame: R-21 / 2x6 Exterior Finish: 3 Coat Stucco |
| R-38 Ceiling + R-21 Roof1 | Cathedral Ceilings | Wood Framed Ceiling | 2x4 @ 24 in. O. C. | R-38 | 21 / None | 0.018 | Roofing: Light Roof (Asphalt Shingle) Roof Deck: Wood Siding/sheathing/decking Cavity / Frame: R-38 / 2x4 Sheathing / Insulation: R-21 Sheathing Inside Finish: Gypsum Board |
| Attic Roof1st Floor Zone | Attic Roofs | Wood Framed Ceiling | 2x6 @ 24 in. O. C. | R-21 | None / 0 | 0.051 | Roofing: Light Roof (Asphalt Shingle) Roof Deck: Wood Siding/sheathing/decking Cavity / Frame: R-20.4 / 2x6 Around Roof Joists: R-0.6 insul. |
| Attic Roof2nd Floor Zone | Attic Roofs | Wood Framed Ceiling | 2x6 @ 24 in. O. C. | R-21 | None / 0 | 0.051 | Roofing: Light Roof (Asphalt Shingle) Roof Deck: Wood Siding/sheathing/decking Cavity / Frame: R-20.4 / 2x6 Around Roof Joists: R-0.6 insul. |
| R-19 Floor Crawlspace | Floors Over Crawlspace | Wood Framed Floor | 2x6 @ 16 in. O. C. | R-19 | None / None | 0.05 | Floor Surface: Carpeted Floor Deck: Wood Siding/sheathing/decking Cavity / Frame: R-19 in 5-1/2 in. (R-18) / 2x6 |
| R-38 Ceiling + R-21 Roof | Ceilings (below attic) | Wood Framed Ceiling | 2x4 @ 24 in. O. C. | R-38 | None / None | 0.025 | Over Ceiling Joists: R-28.9 insul. Cavity / Frame: R-9.1 / 2x4 Inside Finish: Gypsum Board |

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| CERTIFICATE OF COI Project Name: 1285 | MPLIANCE - RESIDE | NTIAL PERFORMA | NCE COMP | LIANCE N | IETHOD | Calculati | on Date/T | i me: 2024 | -06-18T11:56:25-07 | 7:00 | CF1R-PRF-01-E (Page 15 of 17) |
|--|------------------------------|----------------------------|-----------------|----------------|---------------|----------------|-------------------|---------------------|------------------------|----------------------------|--|
| Calculation Descript | tion: Title 24 Analys | is | | | | Input File | e Name: 2 | 40297_RD | .ribd22x | | |
| IVAC HEAT PUMPS - I | HERS VERIFICATION | | | | | | | | | | |
| 01 | 02 | 03 | 0 | 4 | C | 5 | 0 | 06 | 07 | 08 | 09 |
| Name | Verified Airflow | Airflow Target | Verified I | ER/EER2 | Ver SEER/ | ified SEER2 | Verified R Cha | tefrigerant arge | Verified HSPF/HSPF2 | Verified Heating Cap 47 | Verified Heating Cap 17 |
| Heat Pump System 1-hers-htpump | Required | 350 | Not Re | quired | Req | uired | Y | es | Yes | Yes | Yes |
| IVAC - DISTRIBUTION | SYSTEMS | | | | 6.0 | | | 1 | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 |
| | - | Decise Trees | Duct Ins. | R-value | Duct L | ocation | Surfac | e Area | | D. H. Lashara | |
| Name | Туре | Design Type | Supply | Return | Supply | Return | Supply | Return | Bypass Duct | Duct Leakage | HERS Verification |
| Air Distribution System 1 | Unconditioned attic | Non-Verified | R-6 | R-6 | Attic | Attic | n/a | n/a | No Bypass Duct | Sealed and Tested | Air Distribution System 1-hers-dist |
| IVAC DISTRIBUTION | - HERS VERIFICATION | | | | 4 | | | 4 | | | |
| 01 | 02 | 03 | 0 | 4 | C | 5 | | 06 | 07 | 08 | 09 |
| Name | Duct Leakage Verification | Duct Leakage Target (%) | Verifie Loca | d Duct tion | Verifie De | d Duct sign | Buried | d Ducts | Deeply Buried Ducts | Low-leakage Air Handler | Low Leakage Ducts Entirely in Conditioned Space |
| Air Distribution System 1-hers-dist | Yes | 5.0 | Not Re | quired | Not Re | equired | Not Re | equired | Credit not taken | Not Required | No |
| IVAC - FAN SYSTEMS | | | | | | | | | | | |
| | 01 | | | 02 | 8 | | 1 | | 03 | | 04 |
| | Name | | | Тур | е | | | Fan Pow | er (Watts/CFM) | | Name |
| | HVAC Fan 1 | | | HVAC | Fan | | | | 0.45 | HVAC | Fan 1-hers-fan |

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PLAN NOTES

LIGHT, VENTILATION, ROOM DIMENSIONS

2.1 REQUIRED WINDOW AREA FOR LIGHT SHALL BE NOT LESS THAN 8 PERCENT OF THE FLOOR AREA OF THE ROOM SERVED; THE MINIMUM OPENABLE AREA TO THE OUTDOORS SHALL BE 4 PERCENT OF THE FLOOR AREA BEING VENTILATED. THE GLAZED AREA NEED NOT BE OPENABLE FOR VENTILATION WHEN A WHOLE-HOUSE VENTILATION SYSTEM IS INSTALLED. (R303.1) 2.2 EVERY SLEEPING ROOM AND ANY BASEMENT MUST HAVE AT LEAST ONE OPENABLE WINDOW OR DOOR APPROVED FOR EMERGENCY RESCUE WITH A

MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET, EXCEPT THE WINDOWS AT THE GRADE FLOOR SHALL HAVE A MINIMUM NET AREA OF 5.0 SQUARE FEET. THE MINIMUM NET VERTICAL OPENING DIMENSION SHALL BE 24". THE MINIMUM NET CLEAR OPENING WIDTH DIMENSION SHALL BE 20". THE BOTTOM OF THE CLEAR OPENING SHALL BE NO MORE THAN 44" FROM THE FLOOR. (R 310.1) 2.3 BATHROOMS, WATER CLOSET COMPARTMENTS AND SIMILAR ROOMS SHALL HAVE WINDOW AT LEAST 3 SQ. FEET IN AREA, HALF OF WHICH MUST BE

OPENABLE, OR MECHANICAL VENTILATION MUST BE PROVIDED. (R303.3) 2.4 EACH BATHROOM CONTAINING A BATHING FACILITY SHALL BE MECHANICALLY VENTILATED FOR THE PURPOSES OF HUMIDITY CONTROL. (R303.3.1) 2.5 PROVIDE VENTILATION FOR PRODUCTS OF COMBUSTION TO OUTSIDE AIR. (CMC 802.0)

2.6 ATTIC VENTILATION: 1/150 OF ATTIC AREA. IF 40% – 50% OF THE VENTS ARE NO MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE ROOF AREA; THEN THE RATIO MAY BE REDUCED TO 1/300. (R806.2) UNVENTED ATTICS MAY BE ALLOWED IF MEETING THE REQUIREMENTS OF R806.5. 2.7 ENCLOSED RAFTER SPACES SHALL HAVE A MINIMUM 1" SPACE BETWEEN THE INSULATION AND ROOF SHEATHING AND AT THE LOCATION OF ALL EAVE AND CORNICE VENTS. (R806.3) 2.8 UNDERFLOOR SPACE SHALL HAVE A VENTILATION OPENING AREA OF 1/150 SQUARE FEET OF UNDERFLOOR AREA. IF A CLASS I VAPOR RETARDER IS USED THE RATIO MAY BE REDUCED TO 1/1500. ONE OPENING SHALL BE PLACED WITHIN 3 FEET OF EACH BUILDING CORNER. OPENINGS SHALL BE

COVERED WITH A COVERING HAVING OPENINGS NO GREATER THAN 1/4". (R408.2)

2.9 HEATING SYSTEM IS REQUIRED TO MAINTAIN 68 DEGREES AT 3 FEET ABOVE FLOOR LEVEL AND 2 FEET FROM EXTERIOR WALLS IN ALL HABITABLE ROOM. (R303.9) 2.10 AIR INFILT RATION, INSULATION, SPACE HEATING, SPACE COOLING, WATER HEATING, ETC SHALL MEET CA ENERGY COMMISSION STANDARDS.

2.11 ALL HABITABLE ROOMS EXCEPT KITCHENS SHALL BE AT LEAST 70 SQUARE FEET IN AREA AND SHALL HAVE A WIDTH OF AT LEAST 7 FEET. IN ADDITION THERE SHALL BE AT LEAST ONE ROOM WITH A MINIMUM OF 120 SQUARE FEET IN EACH DWELLING. MINIMUM CEILING HEIGHT SHALL BE 7 FEET. SEE CRC FOR EXCEPTIONS. (R304/R305)

3. DOORS, STAIRWAYS AND LANDINGS (INCLUDING DECKS)

3.1. REQUIRED EGRESS DOOR SHALL BE SIDE HINGED AND HAVE A MINIMUM NET CLEAR WIDTH OF 32" AND A MINIMUM HEIGHT OF 78". (R311.2) 3.2. THERE SHALL BE A LANDING AT EACH SIDE OF ALL DOORS NOT MORE THAN 1 1/2" LOWER THAN THE THRESHOLD AT THE REQUIRED EGRESS DOOR AND NOT MORE THAN 7 3/4" FOR OTHER EXTERIOR DOORS. THE LANDING SHALL BE AT LEAST AS WIDE AS THE DOOR SERVED AND 36" MINIMUM LENGTH MEASURED IN THE DIRECTION OF TRAVEL. A LANDING IS NOT REQUIRED AT DOORS OTHER THAN THE REQUIRED EGRESS DOOR WHERE A STAIRWAY OF TWO OR FEWER RISERS IS LOCATED ON THE EXTERIOR OF THE DOOR, AND THE DOOR DOES NOT SWING OVER THE STAIRWAY. (R311.3) 3.3. STAIRWAY RISE SHALL BE 4" MIN AND 7.75" MAX. RUN SHALL BE 10" MIN. HEADROOM SHALL BE 80" MINIMUM. WIDTH SHALL BE 36" MINIMUM. HANDRAILS SHALL PROVIDE GRASPABILITY AND BE 34"-38" ABOVE TREAD NOSING WITH OPENINGS LESS THAN 4 3/8" CLEAR. EXCEPT OPENINGS FORMED

BY THE RISER, TREAD, AND BOTTOM RAIL OF THE GUARD MAY BE 6" MAXIMUM DIAMETER. (R 311.7 & R312.1.3 EX. 1 & 2)

3.4. ENCLOSED USEABLE SPACE UNDER INTERIOR STAIRS SHALL BE FINISHED WITH 1/2" MIN. TYPE X GYPSUM BOARD (R302.7) 3.5. FIREBLOCKING IS REQUIRED IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. (R302.11)

3.6. THERE SHALL BE A FLOOR OR LANDING AT THE TOP AND BOTTOM OF EACH STAIRWAY. WIDTH AND LENGTH OF LANDINGS SHALL BE NOT LESS THAN THE WIDTH OF THE STAIRWAY SERVED. A FLOOR OR LANDING IS NOT REQUIRED AT THE TOP OF AN INTERIOR FLIGHT OF STAIRS, INCLUDING STAIRS IN AN ENCLOSED GARAGE, PROVIDED A DOOR DOES NOT SWING OVER THE STAIRS. (R311.7.6)

3.7. GUARDS SHALL BE LOCATED ALONG OPEN SIDED WALKING SURFACES, INCLUDING STAIRS, RAMPS, LANDINGS, AND DECKS, THAT ARE MORE THAN 30" ABOVE THE FLOOR OR GRADE, MEASURED AT ANY POINT WITHIN 36" HORIZONTALLY. REQUIRED GUARDS SHALL BE NOT LESS THAN 42" ABOVE THE ADJACENT WALKING SURFACE. EXCEPT THAT HANDRAILS MAY BE CONSIDERED AS GUARDS AT STAIRWAYS. OPENINGS IN GUARDS SHALL NOT EXCEED 4". (R312) 3.8. EXTERIOR DECK SUPPORT POSTS SHALL BE CROSS BRACED IN TWO DIRECTIONS FOR LATERAL STABILITY.

3.9. FOR POSTS OVER 30" IN HEIGHT PROVIDE MECHANICAL CONNECTION AT POST BASE.

3.10. PROVIDE DETAIL AT JUNCTION OF EXTERIOR DECKING, WALL AND INTERIOR FLOOR FRAMING. SHOW ELEVATIONS, FLASHING, AND ANCHORAGE. DECK FRAMING SHALL BE POSITIVELY ATTACHED TO BUILDING FRAMING AT A MINIMUM OF 2 LOCATIONS WITHIN 24" OF EACH END OF THE DECK WITH HOLD-DOWN TENSION DEVICES HAVING AN ALLOWABLE DESIGN CAPACITY OF NOT LESS THAN 1500 POUNDS EACH, OR AT A MINIMUM OF 4 LOCATIONS WITH HOLD-DOWN TENSION DEVICES OF NOT LESS THAN 750 POUNDS ALLOWABLE DESIGN CAPACITY. (R507.2.4) 3.11. DECK FRAMING AND SUPPORT POSTS TO BE OF PRESERVATIVE TREATED OR NATURALLY DURABLE LUMBER. (R317.1) HARDWARE AND FASTENERS SHALL BE HOT-DIPPED GALVANIZED, STAINLESS STEEL, SILICON BRONZE, OR COPPER. (R317.3.1) 4. WEATHER AND CORROSION DAMAGE PREVENTION MEASURES

4.1. NATURALLY DURABLE WOOD OR PRESERVATIVE TREATED WOOD, PER AWPA U1, SHALL BE REQUIRED IN THE FOLLOWING LOCATIONS (R317.1): A. WOOD JOISTS AND GIRDERS CLOSER THAN 18" OR 12", RESPECTIVELY, TO THE EXPOSED GROUND. 3. WOOD FRAMING MEMBERS THAT REST ON CONCRETE OR MASONRY AND ARE LESS THAN 8" FROM THE EXPOSED GROUND.

C. SILLS AND SLEEPERS ON A CONCRETE OR MASONRY SLAB THAT IS IN DIRECT CONTACT WITH THE GROUND UNLESS SEPARATED BY AN IMPERVIOUS MOISTURE BARRIER. 5. GARAGE & CARPORT

5.1. COMMON WALL BETWEEN GARAGE AND DWELLING SHALL HAVE 1/2" GYPSUM BOARD APPLIED ON THE GARAGE SIDE. GARAGE CEILING WITH HABITABLE SPACE ABOVE SHALL HAVE 5/8" TYPE X GYP BOARD APPLIED TO THE CEILING. CARPORTS WITH NO ENCLOSED USES ABOVE DO NOT NEED PROTECTION. (R302.6)

5.2. NO OPENINGS MAY BE PROVIDED BETWEEN A GARAGE AND A SLEEPING ROOM. OTHER OPENINGS SHALL BE EQUIPPED WITH SOLID WOOD OR STEEL DOORS 1 3/8" IN THICKNESS AND SHALL BE SELFCLOSING AND SELF-LATCHING. (R302.5.1) 5.3. GARAGE AND CARPORT FLOOR SURFACES SHALL BE OF APPROVED NONCOMBUSTIBLE MATERIAL. ASPHALTIC SURFACES SHALL BE PERMITTED AT GROUND LEVEL IN CARPORT. (R309.1 & R309.2)

5.4. APPLIANCES AND RECEPTACLES INSTALLED IN GARAGES AND CARPORTS GENERATING A GLOW, SPARK, OR FLAME SHALL BE LOCATED 18" MIN. ABOVE THE FLOOR UNLESS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. PROVIDE PROTECTIVE BOLLARD OR OTHER IMPACT BARRIER OR LOCATED OUT OF THE NORMAL PATH FOR VEHICLES. (CMC 305.1) 5 ELECTRICAL

6.1. DO NOT INSTALL ELECTRICAL PANELS LARGER THAN 16 SQUARE INCHES IN RATED FIRE WALLS. GARAGE TO DWELLING UNIT SEPARATION IS NOT A RATED FIRE WALL. (R302.4.2) NEVER INSTALL ELECTRICAL PANELS IN CLOSET. MAINTAIN A CLEARANCE OF 36" IN FRONT OF THE PANELS. (CEC 110.26) 6.2. PROVIDE A MINIMUM OF ONE 20 AMP RECEPTACLE IN AREAS DESIGNATED FOR LAUNDRY EQUIPMENT. (CEC 210.52F)

6.3. KITCHENS AND DINING AREAS MUST HAVE A MINIMUM OF TWO 20 AMP CIRCUITS. KITCHEN COUNTER OUTLETS MUST BE INSTALLED IN EVERY COUNTER SPACE 12" OR WIDER, NOT GREATER THAN 4' O.C. AND WITHIN 24" OF THE END OF ANY COUNTER SPACE. (CEC 210.52) 6.4. GFCI OUTLETS ARE REQUIRED FOR ALL KITCHEN RECEPTACLES THAT ARE DESIGNED TO SERVE COUNTERTOP SURFACES, IN BATHROOMS, IN UNDERFLOOR SPACES AT OR BELOW GRADE LEVEL, IN EXTERIOR OUTLETS, IN LAUNDRY AREAS, AND IN ALL GARAGE OUTLETS NOT DEDICATED TO A SINGLE DEVICE OR APPLIANCE. (CEC 210.8) ALL DWELLINGS MUST HAVE AT LEAST ONE EXTERIOR OUTLET AT THE FRONT AND THE BACK OF THE

DWELLING. (CEC 210.52E) 6.5. RECEPTACLES MUST BE INSTALLED AT 12' O.C. MAXIMUM IN WALLS. WALLS LONGER THAN 2 FEET AND HALLS LONGER THAN 10' MUST HAVE A RECEPTACLE. A RECEPTACLE MUST BE PROVIDED WITHIN 3' OF BATHROOM SINKS. (CEC 210.52)

6.6. BOND ALL METAL GAS AND WATER PIPES TO GROUND. ALL GROUND CLAMPS MUST BE ACCESSIBLE AND OF AN APPROVED TYPE. (CEC 250, 104) 6.7. FURNACES INSTALLED IN ATTICS AND CRAWL SPACES MUST HAVE AN ACCESS PLATFORM (CATWALK IN ATTICS), LIGHT, LIGHT SWITCH, AND RECEPTACLE IN THE SPACE. (CMC 904.10)

6.8. NEW DWELLINGS MUST HAVE A 120V POWERED SMOKE ALARM IN EVERY SLEEPING ROOM, OUTSIDE EACH SLEEPING ROOM, ON EVERY STORY OF THE DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS, BUT NOT INCLUDING CRAWL SPACES OR UNINHABITABLE ATTICS. (R314.3) 6.9. WHEN MORE THAN ONE SMOKE ALARM OR CARBON MONOXIDE ALARM IS REQUIRED THE ALARM DEVICES SHALL BE INTERCONNECTED. IF THE PROPOSED SCOPE OF WORK DOES NOT RESULT IN THE REMOVAL OF WALL AND CEILING FINISHES EXPOSING AREAS REQUIRING INSTALLATION, IN BUILDINGS BUILT PRIOR TO JANUARY 1, 2011, DEVICES MAY BE BATTERY OPERATED. (R314.4 & R315.7) 6.10. WHEN ALTERATIONS, REPAIRS, OR ADDITIONS REQUIRE A PERMIT OR SLEEPING ROOMS ARE ADDED OR CREATED, SMOKE ALARMS SHALL BE

INSTALLED WHERE REQUIRED IN NEW DWELLINGS. (R314.2.2) 6.11. FOR NEW CONSTRUCTION AND WORK IN AN EXISTING DWELLING, WHERE AN ADDITION IS MADE TO AN EXISTING DWELLING OR A FUEL-BURNING APPLIANCE IS ADDED, CARBON MONOXIDE ALARMS SHALL BE INSTALLED IN SLEEPING ROOMS WITHIN WHICH FUEL- BURNING APPLIANCES ARE INSTALLED.

OUTSIDE OF EACH SLEEPING AREA, AND ON EACH OCCUPIABLE LEVEL. CARBON MONOXIDE ALARMS ARE NOT REQUIRED IN DWELLINGS WHERE THERE IS NO FUEL-FIRED APPLIANCE OR ATTACHED GARAGE. (R315.1; R315.2) 6.12. ALL 120-VOLT 15 AND 20 AMP BRANCH CIRCUITS IN DWELLING UNITS EXCEPT THOSE IN BATHROOMS, UNFINISHED BASEMENTS. GARAGES AND

OUTDOORS SHALL HAVE AFCI PROTECTION. (CEC 210.12) 8.5. THICKNESS OF FOOTING 6" 6" DEPTH BELOW UNDISTURBED GROUND SURFACE 12" 12" 8.6. CONCRETE SLABS SHALL BE 3.5" THICK MINIMUM. (R506.1) 8.7. PROVIDE ADEQUATE SETBACKS FROM SLOPES GREATER THAN 33% GRADIENT EQUAL TO HALF THE HEIGHT OF THE SLOPE (NEED NOT EXCEED 15 FEET) FOR AN ADJACENT ASCENDING SLOPE SURFACE, AND ONE THIRD THE HEIGHT OF THE SLOPE (NEED NOT EXCEED 40 FEET) FOR AN ADJACENT DESCENDING SLOPE SURFACE. IF THESE SETBACKS CANNOT BE MET A GEOTECHNICAL REPORT JUSTIFYING SOIL CHARACTERISTICS AND SUITABILITY OF THE PROPOSED BUILDING SITE SHALL BE PROVIDED. (R403.1.7) THICKNESS OF FOOTING 6" 6" DEPTH BELOW UNDISTURBED GROUND SURFACE 12" 12"

8.8. ANCHOR BOLTS SHALL BE MINIMUM 1/2" X 10" PLACED AT 6' O.C. MAXIMUM. EMBED BOLTS 7" MIN. LOCATE END BOLTS NEITHER LESS THAN 3.5" NOR MORE THAN 12" FROM ENDS OF SILL MEMBERS. (R 403.1.6) PROVIDE 3" X 3" X 0.229" PLATE WASHERS ON EACH BOLT. (R602.11.1) 9. FLOORS

9.1. FLOOR JOIST SIZE, SPACING AND GRADE SHALL CONFORM TO TABLE R502.3.1; OR SHALL BE DESIGNED BY A LICENSED PROFESSIONAL. REV DATE RFMARKS

NOTES AND SPECIFICATIONS

D. WOOD SIDING, SHEATHING AND WALL FRAMING ON THE EXTERIOR OF THE BUILDING HAVING A CLEARANCE OF LESS THAN 6" FROM THE GROUND OR LESS THAN 2" FROM A HORIZONTAL CONCRETE SURFACE. E. ALL WOOD IN CONTACT WITH THE GROUND.

F. ALL WOOD EMBEDDED IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE GROUND OR EXPOSED TO WEATHER AND THAT SUPPORTS STRUCTURES INTENDED FOR HUMAN OCCUPANCY.

4.2. EXPOSED GLU-LAMS SHALL BE PRESERVATIVE TREATED, APPLIED BY THE MANUFACTURER, OR MADE FROM NATURALLY DURABLE WOOD. 4.3. WEATHERPROOFING OF EXTERIOR SURFACES ABOVE AND BELOW GRADE IS REQUIRED. (R406 & R703) 4.4. CONCRETE SLABS SHALL BE SEPARATED FROM EARTH BY A MINIMUM 6-MIL VAPOR RETARDER, WITH EDGES LAPPED A MINIMUM OF 6". THIS MAY BE

OMITTED IF THE SPACE ABOVE IS NOT HEATED AND IS NOT LIKELY TO BECOME HEATED IN THE FUTURE. (R506.2.3) 4.5. A CAPILLARY BREAK SHALL BE INSTALLED WHEN CONCRETE SLAB-ON-GROUND FLOORS ARE REQUIRED TO HAVE A VAPOR RETARDER. THIS CAPILLARY BREAK SHALL BE A 4" THICK BASE OF 1/2" OR

LARGER CLEAN AGGREGATE WITH A VAPOR RETARDER IN DIRECT CONTACT WITH CONCRETE. THE CONCRETE MIX DESIGN SHALL ADDRESS BLEEDING, SHRINKAGE, AND CURLING, IN ACCORDANCE WITH ACI 302.2R-06. AS AN ALTERNATIVE THE SLAB DESIGN MAY BE PREPARED BY A LICENSED DESIGN PROFESSIONAL. (CALGREEN 4.505.2.1)

4.6. THE GROUND ADJACENT TO THE FOUNDATION SHALL BE SLOPED SO THAT THE GRADE SHALL FALL A MINIMUM OF 6" WITHIN THE FIRST 10'. IMPERVIOUS SURFACES MAY BE SLOPED AT 2% MINIMUM. (R401.3)

4.7. ALL FASTENERS USED FOR ATTACHMENT OF SIDING SHALL BE CORROSION-RESISTANT. (R703.3.2) 4.8. CORROSION RESISTANT FLASHING SHALL BE PROVIDED AT OPENINGS AND INTERSECTIONS/ATTACHMENTS. (R703.4) 4.9. ALL ROOF AREAS OF BUILDINGS SHALL BE PROVIDED WITH GUTTERS OR ROOF DRAINS. PROVIDE ADEQUATE ROOF SLOPE FOR DRAINAGE (1/4" PER FOOT, MIN.) OR SUBMIT DEFLECTION AND PONDING CALCULATIONS. PRIMARY ROOF DRAINS SHALL BE DESIGNED BASED ON A 60 MINUTE STORM WITH A 100 YEAR RETURN PERIOD, PER TABLE D OF THE CPC. SECONDARY ROOF DRAINS SHALL BE PROVIDED NOT LESS THAN 2" ABOVE THE ROOF SURFACE. (CPC 1101.12) 6.13. RECEPTACLES ON 120-VOLT 15 AND 20 AMP CIRCUITS SHALL BE TAMPER RESISTANT, EXCEPT WHEN

LOCATED MORE THAN 5.5' ABOVE THE FLOOR OR WHEN PART OF A LUMINAIRE OR APPLIANCE. (CEC 406.12)

7. MISCELLANEOUS LIFE-SAFETY 7.1. PROVIDE PRESSURE RELIEF VALVE WITH DRAIN TO OUTSIDE FOR WATER HEATER. (CPC 608.3) PROVIDE SEISMIC STRAPPING OR ANCHORAGE

RESISTING OVERTURNING OF WATER HEATER. (CPC 507.2, CRC R301.2.2.3.7) 7.2. LIQUEFIED PETROLEUM GAS (LPG) APPLIANCES SHALL NOT BE INSTALLED IN A PIT, BASEMENT OR SIMILAR LOCATION. LPG APPLIANCES SHALL NOT BE INSTALLED IN AN ABOVE GRADE UNDERFLOOR SPACE OR BASEMENT UNLESS SUCH LOCATION IS PROVIDE WITH AN APPROVED MEANS FOR REMOVAL OF UNBURNED GAS (CMC 303.7.1)

7.4. FUEL BURNING WATER HEATER IS NOT ALLOWED IN BEDROOM OR BATHROOM UNLESS DIRECT VENT TYPE OR COMPLYING WITH CPC 504.1. 7.5. VENT CLOTHES DRYER TO OUTSIDE OF BUILDING (NOT TO UNDERFLOOR AREA). VENT LENGTH SHALL BE 14' MAXIMUM AND THE VENT DIAMETER SHALL NOT BE LESS THAN 4". (CMC 504.4.2)

7.6. WATER CLOSET SHALL BE LOCATED IN A SPACE NOT LESS THAN 30" IN WIDTH WITH 24" MINIMUM CLEARANCE IN FRONT. (CPC 402.5) 7.7. SHOWERS AND TUBS WITH SHOWERS REQUIRE A NON-ABSORBENT SURFACE UP TO 72" ABOVE THE FLOOR. (R307.2). PROVIDE CURTAIN ROD OR APPROVED ENCLOSURE MATERIAL

7.8. PROVIDE BACKFLOW PREVENTERS ON ALL HOSE BIBS. (CPC 603.5.7) 7.9. SAFETY GLAZING SHALL BE REQUIRED WITHIN 24" OF A DOOR EDGE OR WITHIN 36" OF A STAIRWAY, LANDING OR RAMP WHEN THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" FROM THE FLOOR OR WALKING SURFACE. (R308.4.2 & R308.4.3) 7.10. SAFETY GLAZING IS REQUIRED IN ALL FIXED AND OPERABLE PANELS OF SWINGING, SLIDING AND BIFOLD DOORS. (R308.4.1)

7.11. SAFETY GLAZING IS REQUIRED IN ENCLOSURES AND WALLS FACING HOT TUBS, SAUNAS, STEAM ROOMS, SHOWERS AND TUBS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" FROM ANY STANDING OR WALKING SURFACE. (R308.4.5) 7.12. WOOD BURNING APPLIANCES SHALL BE EPA PHASE II CERTIFIED IN THE NORTHERN SONOMA COUNTY AIR POLLUTION CONTROL DISTRICT. IN THE

BAY AREA AIR QUALITY MANAGEMENT DISTRICT WOOD BURNING APPLIANCES ARE NOT ALLOWED. (SONOMA COUNTY ORDINANCE) 7.13. PROVIDE 18" X 24" FOUNDATION ACCESS WITHIN 5' OF ALL PLUMBING CLEANOUTS. (R408.4; CPC 707.9) 7.14. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AND PARALLEL

ROWS OF STUDS OR STAGGERED STUDS; VERTICALLY AT FLOOR AND CEILING LEVELS, HORIZONTALLY AT INTERVALS NOT TO EXCEED 10'. (R302.11) 7.15. SHOW MINIMUM 22" X 30" ACCESS OPENING TO ATTIC. (CMC 304.4; R807.1) IN ATTICS IN WHICH AN APPLIANCE IS INSTALLED, AN OPENING AND PASSAGEWAY AT LEAST AS LARGE AS THE LARGEST COMPONENT OF THE APPLIANCE SHALL BE REQUIRED. (CMC 903.2.3) 7.16. ROOF CONSTRUCTION AND COVERING SHALL COMPLY WITH R905 AND LOCAL ORDINANCE. ALL ROOFING SHALL BE OF CLASS A FIRE RESISTIVE MATERIAL, SUPPORTED BY SOLID SHEATHING (CHAPTER 7 SONOMA COUNTY CODE).

7.17. STORAGE USE OR PLACEMENT OF A FUEL BURNING APPLIANCE IN AN UNDERFLOOR AREA MAY TRIGGER THE REQUIREMENT FOR A 1/2 INCH GYPSUM WALLBOARD OR 5/8 INCH WOOD PANEL MEMBRANE ON THE UNDERSIDE OF THE FLOOR FRAMING MEMBER. SEE SECTION R302.13 OF THE CRC FOR EXCEPTIONS. 8. FOUNDATIONS AND CONCRETE

8.1. CONCRETE SHALL BE 2500 PSI MINIMUM FOR FOUNDATION AND RETAINING WALLS (INCLUDING STEM WALLS), GARAGE FLOOR SLABS, AND PORCHES OR STEPS EXPOSED TO WEATHER AND 2500 PSI MINIMUM FOR ALL OTHER CONCRETE. (R402.2; TABLE R402.2; R608.5.1.5) UNLESS OTHERWISE NOTE ON STRUCTURAL DRAWINGS AND CALCULATIONS. 8.3. HORIZONTAL REINFORCING AT FOOTING AND STEM WALL: ONE NUMBER 4 REBAR WITHIN TOP 12" OF STEM WALL AND ONE NUMBER 4 REBAR 3-4

INCHES FROM BOTTOM OF FOOTING (R403.1.3.1) 8.4. WHEN THE STEM WALL AND FOOTING ARE NOT POURED MONOLITHICALLY A NUMBER 4 REBAR SHALL BE INSTALLED VERTICALLY AT NOT MORE THAN 4' O.C. THE VERTICAL BAR SHALL EXTEND TO 3" CLEAR FROM THE BOTTOM OF THE FOOTING, HAVE A STANDARD HOOK, AND EXTEND A MINIMUM

OF 14 INCHES INTO THE STEM WALL. (R403.1.3.1) STEPPED FOOTINGS SHALL BE USED WHEN SLOPE OF FOOTING BOTTOM IS GREATER THAN 10:1 (H:V). STEP

FOOTING DETAIL SHALL BE SHOWN ON BUILDING ELEVATIONS AND FOUNDATION PLAN. (R403.1.5) 9.2. JOISTS UNDER AND PARALLEL TO BEARING PARTITIONS SHALL BE DOUBLED. (R502.4) 9.3. BEARING PARTITIONS PERPENDICULAR TO JOISTS SHALL NOT BE OFFSET FROM SUPPORTING GIRDERS, WALLS OR PARTITIONS MORE THAN THE

JOIST DEPTH. (R502.4) 9.4. GIRDERS FOR SINGLE-STORY CONSTRUCTION OR SUPPORTING ONE FLOOR SHALL BE 4" X 6" FOR SPANS 6' OR LESS, WITH GIRDERS SPACED AT 8' O.C. FOR OTHER SIZES AND SPANS SEE TABLE R602.7 (1, 2, & 3).

9.5. NAIL SPACING FOR FLOOR PLYWOOD SHEATHING: 6" O.C. AT EDGES, 12" O.C. IN FIELD (UNLESS CLOSER NAILING IS SPECIFIED). TABLE R602.3(1) 9.6. PROVIDE DETAIL OF CONNECTION OF FLOOR GIRDER AT FOUNDATION WALL. 9.7. SOLID BLOCK ALL JOISTS AT ENDS AND INTERMEDIATE SUPPORTS WITH FULL-DEPTH SOLID BLOCKING NOT LESS THAN 2" NOMINAL THICKNESS.

9.8. AT FLOOR OPENINGS WHERE HEADER JOIST SPAN EXCEEDS 4' SHOW DOUBLE TRIMMER JOISTS AND HEADERS. APPROVED HANGERS SHALL BE USED FOR THE HEADER JOIST TO TRIMMER JOIST CONNECTIONS WHEN THE HEADER JOIST SPAN EXCEEDS 6'. (R502.10)

10. WALLS 10.1. SHOW STUD SIZE, HEIGHT, GRADE AND SPACING. (TABLE R602.3(5)) EXTERIOR AND INTERIOR STUDS SHALL BE CONTINUOUS FLOOR TO ROOF UNLESS BRACED AT CEILING.

10.2. BALLOON FRAME GABLE END WALLS OR PROVIDE SOFTWALL BRACING DETAIL.

10.3. MINIMUM HEADER SIZES SHALL BE ACCORDING TO TABLE R602.7(1,2,&3). 10.4. DOUBLE TOP PLATES SHALL HAVE A MINIMUM LAP OF 24". NAIL WITH EIGHT 16D COMMON NAILS ON EACH SIDE OF THE JOINT, UNLESS ADDITIONAL NAILING IS SPECIFIED. PLATES AT INTERSECTIONS WITH BEARING WALLS AND CORNERS SHALL ALSO BE OVERLAPPED. (TABLE R602.3) 10.5. SOLE PLATE TO JOIST OR BLOCKING SHALL BE 16D COMMON NAILS AT 16" O.C. AND 2-16D COMMON NAILS AT 16" AT BRACED WALL PANELS. (TABLE R602.3 ITEM 14) 10.6. FOUNDATION CRIPPLE WALLS SHALL BE FRAMED OF STUDS NOT LESS IN SIZE THAN THE STUDS OF THE WALL ABOVE. CRIPPLE WALLS EXCEEDING 4' IN HEIGHT SHALL BE FRAMED OF STUDS AS REQUIRED FOR AN ADDITIONAL STORY. CRIPPLE WALLS SHALL BE SHEATHED PER R602.

10.9 & R602.10.9.1. CRIPPLE WALLS LESS THAN 14" IN HEIGHT SHALL BE CONTINUOUSLY SHEATHED OR CONSTRUCTED OF SOLID BLOCKING. (R602.9) 10.7. MINIMUM WOOD STRUCTURAL PANEL SHEATHING NAILING: 6" O.C. AT EDGES AND 12" O.C. IN FIELD. (TABLE R602.3) NAILING SHALL BE INSPECTED PRIOR TO COVERING.

10.8. PROVIDE ONE LAYER OF NO. 15 ASPHALT FELT OR OTHER APPROVED MATERIAL UNDER EXTERIOR SIDING. MATERIAL SHALL HAVE UPPER LAYER LAPPED 2" MIN OVER LOWER LAYER WITH 6" MIN LAPS AT JOINTS. (R703.2) PROVIDE 2 LAYERS OF GRADE D PAPER, OR EQUIVALENT, BETWEEN WOOD SHEATHING AND STUCCO LATH. (R703.7.3)

10.9. BRACED WALL LINES SHALL BE SIZED AND CONFIGURED IN ACCORDANCE WITH SECTION R602.10 IN ITS ENTIRETY. PROVIDE AND LABEL A LAYOUT OF ALL BRACED WALL LINES COMPLETE WITH REQUIRED VALUES FOR WIND AND SEISMIC FOR THE SPECIFIED WALL TYPE. 10.10. SPACING OF BRACED WALL LINES SHALL NOT EXCEED 25' (INTERIOR & EXTERIOR) UNLESS LENGTH OF REQUIRED BRACING, PER TABLE R602.10.3(3) IS ADJUSTED IN ACCORDANCE WITH TABLE R602.10.3(4). (R602.10.1.3) 11. ROOF

11.1. SHOW ROOF RAFTERS AND CEILING JOISTS. SPANS SHALL BE PER TABLES R802.4(1) & (2) FOR CEILING JOISTS AND TABLES R802.5.1(1) & (2) FOR RAFTERS. INCLUDE THE SIZE, SPACING AND GRADE OF ALL MEMBERS. 11.2. NAIL RAFTERS TO ADJACENT PARALLEL CEILING JOISTS, WHERE NOT PARALLEL, USE RAFTER TIES AT 4' O.C. MAX. (R802.3.1) CONNECT TIES PER TABLE R802.5.1(9). RAFTER TIES SHALL USE ADJUSTMENT FACTOR IN FOOTNOTE H., FOR THE HEIGHT ABOVE SUPPORTING WALL AND THE LOCATION OF THE CONNECTION MUST BE IN LOWER THIRD OF ATTIC SPACE.

11.3. WHERE CEILING JOISTS OR RAFTER TIES ARE NOT PROVIDED TRUSSES SHALL BE USED OR ENGINEERING SHALL BE PROVIDED. (R802.3.1 & R802.10) 11.4. SOLID BLOCK ALL RAFTERS AND TRUSSES AT EXTERIOR WALLS. (R802.8) NAIL BLOCKING TO TOP PLATE WITH (3) 8D TOE NAILS PER BLOCK OR

PROVIDE CLIPS. 11.5. FOR ROOFS SHALLOWER THAN 3:12 RIDGES, HIPS AND VALLEYS SHALL REQUIRE ENGINEERING. (R802.2) 11.6. WOOD STRUCTURAL PANEL SHEATHING WHEN DESIGNED TO BE PERMANENTLY EXPOSED IN OUTDOOR APPLICATIONS, SHALL BE OF AN EXTERIOR EXPOSURE DURABILITY. WOOD STRUCTURAL PANEL ROOF SHEATHING EXPOSED TO THE UNDERSIDE MAY BE IDENTIFIED AS EXPOSURE 1. (R803,2) MINIMUM NAILING PER TABLE R602,3(1) IS 6" AT EDGES AND 12" IN THE FIELD. 8D COMMON, BOX OR CASING, NAIL PANELS TO BLOCKING BETWEEN RAFTERS.

12. GREEN BUILDING AND ENERGY 12.1. NEW CONSTRUCTION AND ADDITIONS/ALTERATIONS INCREASING A BUILDING'S CONDITIONED FLOOR AREA SHALL COMPLY WITH APPLICABLE

PROVISIONS OF CALGREEN. (CALGREEN 301.1) MANDATORY PROVISIONS SHALL APPLY ONLY TO THE SPECIFIC AREA OF THE ADDITION OR ALTERATION. (CALGREEN 301.1.1)

12.2. THE RESIDENTIAL CALIFORNIA GREEN BUILDING CHECKLIST SHALL BE FILLED OUT AND ALL MANDATORY AND ELECTIVE FEATURES SELECTED SHALL BE IDENTIFIED WITH ADEQUATE NOTATIONS AND DETAILS ON THE PROPOSED PROJECT PLANS. AN APPROVED 3RD PARTY CALGREEN SPECIAL INSPECTOR

SHALL REVIEW THE PROPOSED CHECKLIST AND PROJECT PLANS AND PROVIDE VERIFICATION THAT ALL APPLICABLE MANDATORY AND ELECTIVE ELEMENTS IDENTIFIED IN THE CHECKLIST HAVE BEEN ADEQUATELY INCORPORATED INTO THE PROPOSED PROJECT PLANS AND DETAILS. THE FIELD VERIFICATION OF THE REQUIRED CALGREEN ELEMENTS SHALL ALSO BE ACHIEVED BY THE 3RD PARTY CALGREEN SPECIAL INSPECTOR DURING THE CONSTRUCTION AND INSPECTION PROCESS.

12.3. RESIDENTIAL BUILDINGS UNDERGOING PERMITTED ALTERATIONS, ADDITIONS OR IMPROVEMENTS SHALL REPLACE NONCOMPLIANT PLUMBING FIXTURES WITH WATER-CONSERVING PLUMBING FIXTURES. (CALGREEN 301.1.1) 12.4. ENERGY CODE DOCUMENTATION SHALL BE PROVIDED FOR ANY ADDITIONS AND ALTERATIONS TO THE CONDITIONED ENVELOPE, SPACE-CONDITIONING SYSTEMS, OR LIGHTING SYSTEMS. ENERGY CODE DOCUMENTATION SHALL BE REGISTERED WITH THE CALIFORNIA ENERGY COMMISSION PRIOR TO PERMIT

ISSUANCE. (CALIFORNIA ENERGY CODE SECTION 100(B)) **13. FIRE RESISTANT CONSTRUCTION**

LINE.

13.1. NEW STRUCTURES AND REMODELS AND ADDITIONS TO EXISTING STRUCTURES SHALL MEET THE REQUIREMENTS OF THE PRMD PLANNING DIVISION, BASED ON PARCEL SPECIFIC ZONING, USE, AND SETBACK REQUIREMENTS. 13.2. EXTERIOR WALLS WITHIN 5' (OR 3' WHEN THE STRUCTURE IS EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM) OF AN ADJACENT

PROPERTY LINE (OR AN ASSUMED PROPERTY LINE BETWEEN STRUCTURES) SHALL BE 1 HOUR RATED. 13.3. THE EXPOSED UNDERSIDE OF PROJECTIONS FROM EXTERIOR WALLS FROM 2' TO LESS THAN 5' FROM AN ADJACENT PROPERTY LINE, OR FROM 2' TO LESS THAN 3' WHEN THE STRUCTURE IS EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM, SHALL BE 1 HOUR RATED. EXTERIOR WALL PROJECTIONS LESS

THAN 2' FROM AN ADJACENT PROPERTY LINE ARE NOT ALLOWED. 13.4. WHEN A PARCEL IS LOCATED IN A STATE RESPONSIBILITY AREA (SRA) ALL NEW CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE FIRE RESISTANT CONSTRUCTION REQUIREMENTS OF CRC SECTION R337. ACCESSORY GROUP U OCCUPANCY STRUCTURES LOCATED AT LEAST 50' FROM AN APPLICABLE

BUILDING AND ADDITIONS AND REMODELS TO STRUCTURES ORIGINALLY CONSTRUCTED PRIOR TO JULY 1, 2008 ARE EXEMPT FROM THESE REQUIREMENTS

13.5. STRUCTURES WHICH ARE SUBJECT TO FIRE SAFE STANDARDS AND LOCATED IN THE SRA ON PARCELS 1 ACRE AND LARGER SHALL HAVE A MINIMUM 1 HOUR RATING AT EXTERIOR WALLS AND THE UNDERSIDE OF EXTERIOR PROJECTIONS WITHIN 10 FEET FROM AN ADJACENT PROPERTY

13.6. DWELLING UNITS IN TWO-FAMILY DWELLINGS SHALL BE SEPARATED FROM EACH OTHER BY WALL AND FLOOR ASSEMBLIES HAVING NOT LESS THAN A 1-HOUR FIRE-RESISTANCE RATING. FIRE-RESISTANCE RATED FLOOR/CEILING ASSEMBLIES SHALL EXTEND TO THE EXTERIOR WALLS, AND THE SUPPORTING CONSTRUCTION SHALL HAVE AN EQUAL OR GREATER FIRE-RESISTANCE RATING. WALL ASSEMBLIES SHALL EXTEND FROM THE FOUNDATION TO THE UNDERSIDE OF THE ROOF SHEATHING, ALTHOUGH WALL ASSEMBLIES NEED NOT EXTEND THROUGH ATTIC SPACES WHERE THE CEILING IS PROTECTED BY NOT LESS THAN 5/8" TYPE X GYPSUM BOARD, AN ATTIC DRAFT STOP IS PROVIDED ABOVE AND ALONG THE WALL ASSEMBLY SEPARATING THE DWELLINGS, AND THE STRUCTURAL FRAMING SUPPORTING THE CEILING IS PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT. (R302.3) TURN OVER REQUIREMENTS:

1. THE G.C. SHALL COMPLETE ALL REQUIRED INSPECTIONS BY CONSTRUCTION COMPLETION DATE AND WILL FURNISH THE OWNER WITH THE CERTIFICATE OF OCCUPANCY OR/AND A NOTICE OF COMPLETE FINAL INSPECTION. IN ADDITION, THE G.C. SHALL PROVIDE A LIST OF THE NAMES, ADDRESSES AND TELEPHONE NUMBERS OF ALL SUBCONTRACTORS, AND PROOF THAT ALL PAYMENT TO SUB CONTRACTORS HAVE BEEN MADE. 2. THE G.C. SHALL TURN OVER ALL KEYS TO THE OWNER.

3. UPON COMPLETION OF THE WORK, THE G.C. SHALL PROVIDE FOR A FINAL CLEANING TO BE PERFORMED BY A PROFESSIONAL CLEANING SERVICE. THE ENTIRE STRUCTURE SHALL BE THOROUGHLY CLEANED BEFORE TURNING THE PROPERTY OVER TO OWNER. 4. SUPERINTENDENT MUST REMAIN ON JOB SITE THROUGH COMPLETION OF THE PUNCH LIST.

5. UPON COMPLETION OF WORK, THE G.C. WILL DEMONSTRATE THE OPERATION OF ALL SYSTEMS TO THE OWNER. THIS INCLUDES ELECTRICAL, MECHANICAL, PLUMBING, SOUND, SECURITY, AND THE OPERATION OF DOORS AND WINDOWS. 6. THE GC SHALL COORDINATE A WALK THROUGH WITH THE OWNER'S REPRESENTATIVE AND OBTAIN A SIGNATURE INDICATING COMPLETION AND

ACCEPTANCE. SIGNED DOCUMENT SHALL BE SUBMITTED AS PART OF THE PROJECT CLOSEOUT PACKAGE. 7. THE G.C. SHALL REVIEW ALL DOCUMENTS, FIELD VERIFY ALL DRAWING DIMENSIONS, INSPECT EXISTING FIELD CONDITIONS AND CONFIRM THAT THE

WORK CAN BE BUILT AS SHOWN IN THE CONSTRUCTION DRAWINGS. 8. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS DRAWINGS, THE CONTRACT DOCUMENT DRAWINGS AND THE FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OF RECORD FOR CLARIFICATION BEFORE PROCEEDING WITH WORK.

9. THE G.C. SHALL, IN THE WORK OF ALL TRADES, PERFORM ALL CUTTING, PATCHING RESTORING, REPAIRING AND THE LIKE, NECESSARY TO COMPLETE THE WORK AND RESTORE ANY DAMAGED SURFACES RESULTING FROM THE WORK TO THEIR ORIGINAL CONDITION. ALL ROOF PATCHING SHALL RETURN AFFECTED AREA TO A "LIKE NEW" CONDITION. PRIOR TO PATCHING THE G.C. SHALL VERIFY ANY ROOF WARRANTIES WITH THE LANDLORD.

10.THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL TRASH 11.PERMITS FOR FIRE SPRINKLER SYSTEM, FIRE ALARM, SIGNAGE OR ANY OTHER PERMITS REQUIRED BY LOCAL AUTHORITIES ARE TO BE SUBMITTED UNDER SEPARATE APPLICATIONS. **DURING CONSTRUCTION PHASE:** 1.DURING THE CONSTRUCTION PHASE, THE GENERAL CONTRACTOR SHALL PROVIDE A PORTABLE FIRE EXTINGUISHER, WITH A UL LABEL AND RATING OF NOT LESS THAN 2-A. TO BE LOCATED WITHIN A 75 FT. TRAVEL DISTANCE OF ALL PORTIONS OF THE

PREMISES. 13. A 44 IN. CLEAR EXIT AISLE THROUGH ROOMS TO EXIT DOORS SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION PERIOD. 2. FIRE DAMPERS SHALL BE PROVIDED BY THE MECHANICAL SUBCONTRACTOR WHERE DUCTS PENETRATE FIRE-RATED WALLS, FLOORS OR CEILING ASSEMBLIES.

3. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE SOILS REPORT PREPARED FOR THIS PROJECT AND APPROVED BY THE BUILDING DEPARTMENT ENGINEER. 4. TEMPORARY EROSION CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR DURING CONSTRUCTION AS IDENTIFIED ON THE EROSION CONTROL PLAN. MAINTENANCE OF ONSITE DRAINAGE AND EROSION CONTROL FACILITIES DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. 5. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL UTILITIES TO COORDINATE SCHEDULES.

6. THE CONTRACTOR SHALL RESTORE ANY DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATERCOURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADES AND CROSS-SECTIONS THAT EXISTED BEFORE CONSTRUCTION, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DOCUMENTS.

7. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND

OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASE OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTING OF MARKERS SHALL BE PERFORMED UNDER THE DIRECTION OF A CALIFORNIA LICENSED PROFESSIONAL LAND SURVEYOR.

8. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY CONSTRUCTION DEBRIS AND MUD TRACKED ONTO EXISTING ROADWAYS. THE CONTRACTOR SHALL REPAIR ANY EXCAVATION OR PAVEMENT FAILURES CAUSED BY THE CONSTRUCTION. 9. ALL DAMAGED EXISTING CURB, GUTTER, AND SIDEWALK SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF COMPLETED

IMPROVEMENTS. 10. THE TYPE, SIZE, LOCATION AND NUMBER OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THESE CONSTRUCTION DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK PRIOR TO COMMENCING ANY NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE OF ANY UNKNOWN UNDERGROUND UTILITIES. 11. THE CONTRACTOR SHALL MAINTAIN ONE (1) SET OF "REDLINED" PRINTS OF THE CONSTRUCTION PLANS. THE "REDLINED" PRINTS SHALL BE KEPT CURRENT TO ACCURATELY REPRESENT THE DIMENSIONS AND LOCATIONS OF ALL WORK PERFORMED BY THE

CONTRACTOR IS GIVEN ADEQUATE NOTICE AND INSTRUCTION IN

SAFETY AND HEALTH REGULATIONS DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY."

AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND /OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK NOTE TO OWNER:

EACH STATEMENT BELOW TO SIGNIFY THAT YOU UNDERSTAND AND VERIFY THIS INFORMATION: AND MATERIAL PERSONALLY, I. AS AN OWNER/BUILDER. THOSE INJURIES. I AM WILLFULLY ACTING PROPERTY

OR HER NAME INSTEAD OF MY OWN. LICENSE NUMBERS ON PERMITS AND CONTRACTS. "EMPLOYER" UNDER STATE AND FEDERAL LAW. LAWS MAY SUBJECT ME TO SERIOUS FINANCIAL RISK. PERFORMED BY LICENSED SUBCONTRACTORS AND THE CONTRACT WITH A LICENSED GENERAL BUILDING CONTRACTOR.

ANY FINANCIAL OR PERSONAL INJURIES SUSTAINED BY ANY SUBSEQUENT OWNER(S) THAT RESULT FROM ANY LATENT CONSTRUCTION DEFECTS IN THE WORKMANSHIP OR MATERIALS. 9. I UNDERSTAND I MAY OBTAIN MORE INFORMATION REGARDING MY OBLIGATIONS AS AN "EMPLOYER" FROM THE INTERNAL REVENUE SERVICE. THE UNITED STATES SMALL BUSINESS ADMINISTRATION, THE CALIFORNIA DEPARTMENT OF BENEFIT PAYMENTS, AND THE CALIFORNIA DIVISION OF INDUSTRIAL

CONTRACTORS.

SIGNATURE OF PROPERTY OWNER: DATE:

11. I AGREE THAT, AS THE PARTY LEGALLY AND FINANCIALLY RESPONSIBLE FOR THIS PROPOSED CONSTRUCTION ACTIVITY, I WILL ABIDE BY ALL APPLICABLE LAWS AND REQUIREMENTS THAT GOVERN OWNER-BUILDERS AS WELL AS EMPLOYERS. 12. I AGREE TO NOTIFY THE ISSUER OF THIS FORM IMMEDIATELY OF ANY ADDITIONS, DELETIONS, OR CHANGES TO ANY OF THE INFORMATION I HAVE PROVIDED ON THIS FORM. LICENSED CONTRACTORS ARE REGULATED BY LAWS DESIGNED TO PROTECT THE PUBLIC. IF YOU CONTRACT WITH SOMEONE WHO DOES NOT HAVE A LICENSE, THE CONTRACTORS' STATE LICENSE BOARD MAY BE UNABLE TO ASSIST YOU WITH ANY FINANCIAL LOSS YOU MAY SUSTAIN AS A RESULT OF A COMPLAINT. YOUR ONLY REMEDY AGAINST UNLICENSED CONTRACTORS MAY BE IN CIVIL COURT. IT IS ALSO IMPORTANT FOR YOU TO UNDERSTAND THAT IF AN UNLICENSED CONTRACTOR OR EMPLOYEE OF THAT INDIVIDUAL OR FIRM IS INJURED WHILE WORKING ON YOUR PROPERTY, YOU MAY BE HELD LIABLE FOR DAMAGES. IF YOU OBTAIN A PERMIT AS OWNER-BUILDER AND WISH TO HIRE CONTRACTORS. YOU WILL BE RESPONSIBLE FOR VERIFYING WHETHER OR NOT THOSE CONTRACTORS ARE PROPERLY LICENSED AND THE STATUS OF THEIR

WORKERS' COMPENSATION INSURANCE COVERAGE.

SITE GRADING AS PER 2022 1804.4 SITE GRADING. THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING

AT A SLOPE OF NOT LESS THAN ONE 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 A MINIMUM OF 2 PERCENT WHERE LOCATED WITHIN 10 FEET OF THE BUILDING FOUNDATION. IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2 PERCENT AWAY FROM THE BUILDING. CBC 1804.4

12. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED LOT STAKING AND CONSTRUCTION STAKING. THE CONTRACTOR SHALL COORDINATE THROUGH THE OWNER'S DESIGNATED REPRESENTATIVE TO ASSURE THAT THE SURVEYOR

ORDER TO COMPLETE THE SURVEY REQUIREMENTS FOR THE VARIOUS PHASES OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF RE-SURVEYING REQUIRED DUE TO THE CONTRACTOR'S, OR SUBCONTRACTOR'S, ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS ASSOCIATED WITH RESCHEDULING THE SURVEYOR TO ACCOMMODATE THE CONTRACTOR'S REQUESTS FOR UNSCHEDULED STAKING. 19. THE CONTRACTOR SHALL PROVIDE AND IMPLEMENT A "TRAFFIC CONTROL PLAN" RELATED TO ALL CONSTRUCTION ACTIVITIES FOR THIS PROJECT. 13. THE CONTRACTOR SHALL PERFORM ALL WORK ACCORDING TO ALL BUILDING DEPARTMENT, COUNTY, STATE AND FEDERAL

14. ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE STATE'S AND COUNTY PERMITTING PROCESS FOR "STORMWATER 15. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY

PER CALIFORNIA HEALTH & SAFETY CODE SECTION 19825, BEFORE ISSUANCE OF A BUILDING PERMIT, THE PROPERTY OWNER MUST COMPLETE AND SUBMIT THIS FORM; AN AGENT OF THE OWNER MAY NOT EXECUTE THIS FORM. PLEASE READ AND INITIAL

1. I UNDERSTAND A FREQUENT PRACTICE OF UNLICENSED PERSONS IS TO HAVE THE PROPERTY OWNER OBTAIN AN "OWNER-BUILDER" BUILDING PERMIT THAT ERRONEOUSLY IMPLIES THAT THE PROPERTY OWNER IS PROVIDING HIS OR HER OWN LABOR

MAY BE HELD LIABLE AND SUBJECT TO SERIOUS FINANCIAL RISK FOR ANY INJURIES SUSTAINED BY AN UNLICENSED PERSON AND HIS OR HER EMPLOYEES WHILE WORKING ON MY PROPERTY. MY HOMEOWNER'S INSURANCE MAY NOT PROVIDE COVERAGE FOR

AS AN OWNER-BUILDER AND AM AWARE OF THE LIMITS OF MY INSURANCE COVERAGE FOR INJURIES TO WORKERS ON MY 2. I UNDERSTAND BUILDING PERMITS ARE NOT REQUIRED TO BE SIGNED BY PROPERTY OWNERS UNLESS THEY ARE RESPONSIBLE FOR THE CONSTRUCTION AND ARE NOT HIRING A LICENSED CONTRACTOR TO ASSUME THIS RESPONSIBILITY. 3. I UNDERSTAND AS AN "OWNER-BUILDER" I AM THE RESPONSIBLE PARTY OF RECORD ON THE PERMIT. I UNDERSTAND THAT I MAY PROTECT MYSELF FROM POTENTIAL FINANCIAL RISK BY HIRING A LICENSED CONTRACTOR AND HAVING THE PERMIT FILED IN HIS

4. I UNDERSTAND CONTRACTORS ARE REQUIRED BY LAW TO BE LICENSED AND BONDED IN CALIFORNIA AND TO LIST THEIR

5. I UNDERSTAND IF I EMPLOY OR OTHERWISE ENGAGE ANY PERSONS, OTHER THAN CALIFORNIA LICENSED CONTRACTORS, AND THE TOTAL VALUE OF MY CONSTRUCTION IS AT LEAST \$500.00, INCLUDING LABOR AND MATERIALS, I MAY BE CONSIDERED AN

6. I UNDERSTAND IF I AM CONSIDERED AN "EMPLOYER" UNDER STATE AND FEDERAL LAW, I MUST REGISTER WITH THE STATE AND FEDERAL GOVERNMENT, WITHHOLD PAYROLL TAXES, PROVIDE WORKERS' COMPENSATION DISABILITY INSURANCE, AND CONTRIBUTE TO UNEMPLOYMENT COMPENSATION FOR EACH "EMPLOYEE." I ALSO UNDERSTAND MY FAILURE TO ABIDE BY THESE

7. I UNDERSTAND UNDER CALIFORNIA CONTRACTORS' STATE LICENSE LAW, AN OWNER-BUILDER WHO BUILDS SINGLE-FAMILY RESIDENTIAL STRUCTURES CANNOT LEGALLY BUILD THEM WITH THE INTENT TO OFFER THEM FOR SALE, UNLESS ALL WORK IS

NUMBER OF STRUCTURES DOES NOT EXCEED FOUR WITHIN ANY CALENDAR YEAR, OR ALL OF THE WORK IS PERFORMED UNDER 8. I UNDERSTAND AS AN OWNER-BUILDER IF I SELL THE PROPERTY FOR WHICH THIS PERMIT IS ISSUED, I MAY BE HELD LIABLE FOR

ACCIDENTS. I ALSO UNDERSTAND I MAY CONTACT THE CALIFORNIA CONTRACTORS' STATE LICENSE BOARD (CSLB) AT 1-800-321-CSLB (2752) OR WWW.CSLB.CA.GOV FOR MORE INFORMATION ABOUT LICENSED

10. I AM AWARE OF AND CONSENT TO AN OWNER-BUILDER BUILDING PERMIT APPLIED FOR IN MY NAME, AND UNDERSTAND THAT I AM THE PARTY LEGALLY AND FINANCIALLY RESPONSIBLE FOR PROPOSED CONSTRUCTION ACTIVITY AT THE FOLLOWING ADDRESS:

| 4212 W.BU BURBANK, P: 949.264. WWW.alijab | RBANK BLVD CA 91505 3320 erarch.com | |
|--|--|-----------|
| | CENSED ARCHIEC CENSED ARCHIEC LI JABEP C38901 C38901 C38901 C38901 C38901 C38901 C38901 C38901 C38901 C38901 C38901 C38901 C38901 C38901 C38901 C38901 C58901 C58901 C597 | |
| SEAL | | |
| PROJECT | DATE: 06/19/20 SHYSHKA RESIDEI | 24 NCE |
| | 1285 W. EDMUNDSON MORGAN HILL, CA 9503 | 7 |
| CLIENT | TREVAR & CAMILA SHYSH | łKA |
| ISSUED MARK | DATE DESC | CRIPTION |
| | | |
| | | |
| TITLE | | |

SHEET

| RESIC | DENTIAL MEA | SURES SU | JMMA | ARY | | | | | | RMS-1 |
|-------------|----------------------|-------------|----------|--|----------|----------------|----------------|--------------|-------------|--------|
| Project Na | me Folger | | Build | ing Type | Sing | gle Fami | ly D Addition | Alone | Itoration | Date |
| 7285 W | Eamunason | | Calif | California Energy Climate Zong Tatal Cond Elege Area Additio | | | | Addition | 0/18/2024 | |
| 1285 W | Edmundson Mor | aan Hill | C | A Clima | ate Zon | e 04 | 3.95(| | n/a | 1 |
| INSUL | ATION | 9 | | | Area | | 0,000 | | 111,41 | 1 |
| Constr | uction Type | | Cav | itv | (ft^2) | S | pecial Fea | tures | | Status |
| Wall | Wood Framed | | R 21 | | 4.312 | | | | | New |
| Door | Opaque Door | | R-5 | | 106 | | | | | New |
| Floor | Wood Framed w/Crawl | Space | R 19 | | 3,950 | | | | | New |
| Roof | Wood Framed Attic | | R 38 | | 3,734 | Add=R | -21.0 | | | New |
| Demising | Wood Framed Rafter | | - no ins | ulation | 1,166 | | | | | New |
| Demising | Wood Framed w/o Craw | vl Space | - no ins | ulation | 1,166 | | | | | New |
| | TRATION | | 4 005 | | _ | | | | | |
| Oriente | tion $Aroa(H^2)$ | Total Area: | 1,325 | Glazing | Percenta | ge: 2 Cidof | 25.9% New/Alte | ered Average | U-Factor: | 0.33 |
| Orienta | ation Area(n) | U-Fac 5 | | Overi | lang | Sider | Ins Exter | ior Shac | les | Status |
| Right (NW) | 102.5 | 0.300 | 0.23 | none | | none | N/A | | | New |
| Right (NVV) | 77.3 | 0.300 | 0.23 | none | | none | N/A | | | New |
| Front (NE) | 343.3 | 0.300 | 0.23 | none | | none | N/A | | | New |
| Loft (SE) | 11.5 | 0.300 | 0.23 | none | | none | N/A | | | New |
| Rear (SIM) | 101 4 | 0.300 | 0.23 | none | | none | N/A | | | New |
| Rear (SW) | 27.0 | 0.300 | 0.23 | none | | none | N/A | | | New |
| Skylight | 216.0 | 0.470 | 0.25 | none | | none | N/A | | | New |
| Right (NW) | 160.0 | 0.300 | 0.23 | 7.0 | | none | N/A | | | New |
| Right (NW) | 90.0 | 0.300 | 0.23 | 7.0 | | none | N/A | | | New |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| HVAC | SYSTEMS | | - | | | | | | | - |
| Qty. | leating | Min. Eff | Co | oling | | Min | . Eff | Therm | ostat | Status |
| 2 E | Electric Heat Pump | 9.50 HSPF2 | Split | t Heat Pu | тр | 15.0 | SEER2 | Setback | | New |
| | | | | | | | | | | |
| | | | | | | | | D | -4 | |
| Locatio | on He | eating | Co | oling | Duc | t Loca | ation | R-V | ct /alue | Status |
| New HVAC | Ducte | əd | Ducte | ed | Attic | | | 6.0 | | New |
| | | | | | | | | | | |
| | | | | | | | | | | |
| WATER | RHEATING | | | | | | | | | - |
| Qty. 1 | Гуре | Gallo | ons | Min. | Eff | Distri | bution | | | Status |
| 1 | Heat Pump | 80 | | 3.20 | | Standar | d | | | New |
| | | | | | | | | | | |
| | | | | | | | | | | |
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| | 2022 Single-Family Residential Mandatory Requirements Summary | <u>()</u> | 2022 Single-Family Residential Mandatory Requirements Summary |
|---|---|-------------------|--|
| <u>NOTE:</u> Single-famil used. Review the re (04/2022) | ly residential buildings subject to the Energy Codes must comply with all applicable mandatory measures, regardless of the compliance approach sspective section for more information. | § 110.5: | Pilot Lights. Continuously burning pilot lights are prohibited for natural gas: fan-type central furnaces; household cooking appliances (except appliances without an electrical supply voltage connection with pilot lights that consume less than 150 Btu per hour); and pool ar spa heaters. * |
| Building Envelope | | | Building Cooling and Heating Loads. Heating and/or cooling loads are calculated in accordance with the ASHRAE Handbook, |
| § 110.6(a)1: | Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 CFM per square foot or less when tested per NFRC-400, ASTM E283, or AAMA/WDMA/CSA 101/I.S.2/A440-2011. * | § 150.0(h)1: | Equipment Volume, Applications Volume, and Fundamentals Volume; the SMACNA Residential Comfort System Installation Standards Manual; or the ACCA Manual J using design conditions specified in § 150.0(h)2. |
| § 110.6(a)5: | Labeling. Fenestration products and exterior doors must have a label meeting the requirements of § 10-111(a). | § 150.0(h)3A: | Clearances. Air conditioner and heat pump outdoor condensing units must have a clearance of at least five feet from the outlet of any |
| 8 110 6/b)· | Field fabricated exterior doors and fenestration products must use U-factors and solar heat gain coefficient (SHGC) values from | | aryer. Liquid Line Drier. Air conditioners and heat nump systems must be equipped with liquid line filter driers if required, as specified by the |
| § 110.7; | Air Leakage. All joints, penetrations, and other openings in the building envelope that are potential sources of air leakage must be caulked asketed or weather stringed | § 150.0(h)3B: | manufacturer's instructions. Water Piping, Solar Water-heating System Piping, and Space Conditioning System Line Insulation. All domestic hot water |
| § 110.8(a): | Insulation Certification by Manufacturers. Insulation must be certified by the Department of Consumer Affairs, Bureau of Household Goods and Services (BHGS) | § 150.0(j)1: | piping must be insulated as specified in § 609.11 of the California Plumbing Code. * |
| § 110.8(a): | Insulation Requirements for Heated Slab Floors. Heated slab floors must be insulated per the requirements of § 110.8(g). | 8 150 0(i)2 | maintenance, and wind as required by §120.3(b). Insulation exposed to weather must be water retardant and protected from UV light (no |
| § 110.8(i): | Roofing Products Solar Reflectance and Thermal Emittance. The thermal emittance and aged solar reflectance values of the roofing material must meet the requirements of § 110.8(i) and be labeled per §10-113 when the installation of a cool roof is specified on the CF1R. | 3 130.0()/2. | adhesive tapes). Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space must include, or be protected by, a Class I or Class II vapor retarder. Pipe insulation buried below grade must be installed in a waterproof and non-crushable casing or sleeve. |
| § 110.8(j): | Radiant Barrier. When required, radiant barriers must have an emittance of 0.05 or less and be certified to the Department of Consumer Affairs. Roof Deck, Ceiling and Rafter Roof Insulation. Roof decks in newly constructed attics in climate zones 4 and 8-16 area-weighted | § 150.0(n)1: | Gas or Propane Water Heating Systems. Systems using gas or propane water heaters to serve individual dwelling units must designate a space at least 2.5' x 2.5' x 7' suitable for the future installation of a heat pump water heater, and meet electrical and plumbing requirements, based on the distance between this designated space and the water heater location; and a condensate drain no |
| § 150.0(a): | average U-factor not exceeding U-0.184. Ceiling and rafter roofs minimum R-22 insulation in wood-frame ceiling; or area-weighted average U-factor must not exceed 0.043. Rafter roof alterations minimum R-19 or area-weighted average U-factor of 0.054 or less. Attic access doors must have permanently attached insulation using adhesive or mechanical fasteners. The attic access must be gasketed to prevent air leakage. Insulation must be installed in direct contact with a roof or ceiling which is sealed to limit infiltration and exfiltration. | § 150.0(n)3: | more than 2 ⁻ higher than the base of the water heater Solar Water-heating Systems. Solar water-heating systems and collectors must be certified and rated by the Solar Rating and Certification Corporation (SRCC), the International Association of Plumbing and Mechanical Officials, Research and Testing (IAPMO R&T), or by a listing agency that is approved by the executive director. |
| | as specified in § 110.7, including but not limited to placing insulation either above or below the roof deck or on top of a drywall ceiling. | Ducts and Fans: | |
| § 150.0(b): | Wall Insulation. Loose fill insulation must meet the manufacturer's required density for the labeled R-value. Wall Insulation. Minimum R-13 insulation in 2x4 inch wood framing wall or have a U-factor of 0.102 or less, or R-20 in 2x6 inch wood | § 110.8(d)3: | Ducts. Insulation installed on an existing space-conditioning duct must comply with § 604.0 of the California Mechanical Code (CMC). If contractor installs the insulation, the contractor must certify to the customer, in writing, that the insulation meets this requirement. |
| § 150.0(c): | traming or have a U-factor of 0.0/1 or less. Upaque non-tramed assemblies must have an overall assembly U-factor not exceeding 0.102. | | CMC Compliance. All air-distribution system ducts and plenums must meet CMC §§ 601.0-605.0 and ANSI/SMACNA-006-2006 HVAC |
| S 450 0(-1)- | Masonry walls must meet Tables 150.1-A or B. | | Duct Construction Standards Metal and Flexible 3rd Edition. Portions of supply-air and return-air ducts and plenums must be insulated to R-6.0 or higher: ducts located entirely in conditioned space as confirmed through field verification and diagnostic testing (RA3.1.4.3.8) |
| § 150.0(d): § 150.0(f): | Raised-floor Insulation. Minimum R-19 insulation in raised wood framed floor or 0.037 maximum U-factor. Slab Edge Insulation. Slab edge insulation must meet all of the following: have a water absorption rate, for the insulation material alone without facings, no greater than 0.3 percent; have a water vapor permeance no greater than 2.0 perm per inch; be protected from physical damage and UV light deterioration; and, when installed as part of a heated slab floor, meet the requirements of § 110.8(g). Vapor Retarder. In climate zones 1 through 16, the earth floor of unvented crawl space must be covered with a Class I or Class II | § 150.0(m)1: | do not require insulation. Connections of metal ducts and inner core of flexible ducts must be mechanically fastened. Openings must be sealed with mastic, tape, or other duct-closure system that meets the applicable UL requirements, or aerosol sealant that meets UL 723. The combination of mastic and either mesh or tape must be used to seal openings greater than ¼", If mastic or tape is used. Building cavities, air handler support platforms, and plenums designed or constructed with materials other than sealed sheet metal, duct board or flexible duct must be used to constructed with materials other than sealed sheet metal, duct board or flexible duct must be used to constructed with materials other than sealed sheet metal, duct board or flexible duct must be used to convey conditioned or constructed with materials other than sealed sheet metal, duct board or flexible duct must be used to convey conditioned or constructed with materials other than sealed sheet metal, duct installed in |
| § 150.0(g)1: | vapor retarder. This requirement also applies to controlled ventilation crawl space for buildings complying with the exception to §150.0(d). | | these spaces must not be compressed.* |
| § 150.0(g)2: | Vapor Retarder. In climate zones 14 and 16, a Class I or Class II vapor retarder must be installed on the conditioned space side of all insulation in all exterior walls, vented attics, and unvented attics with air-permeable insulation. | § 150.0(m)2: | ractory-rabincated buck systems. Factory-rabincated ouck systems musk comply with applicable requirements for ouck construction, connections, and closures; joints and seams of duck systems and their components must not be sealed with cloth back rubber adhesive duct tapes unless such tape is used in combination with mastic and draw bands. |
| § 150.0(q): | a maximum U-factor of 0.45; or area-weighted average U-factor of all fenestration must not exceed 0.45. | Sec. 27 Sec. 2011 | Field-Fabricated Duct Systems. Field-fabricated duct systems must comply with applicable requirements for: pressure-sensitive tapes, |
| ireplaces. Decora | tive Gas Appliances, and Gas Log: | § 150.0(m)3: | mastics, sealants, and other requirements specified for duct construction. |
| § 110.5(e) | Pilot Light, Continuously burning pilot lights are not allowed for indoor and outdoor fireplaces. | § 150.0(m)7: | Backdraft Damper. Fan systems that exchange air between the conditioned space and outdoors must have backdraft or automatic |
| 8 150 0(e)1: | Closable Doors. Masonry or factory-built fireplaces must have a closable metal or class door covering the entire opening of the firebox. | | Gravity Ventilation Dampers. Gravity ventilating systems serving conditioned space must have either automatic or readily accessible. |
| 3 100.0(0)1. | Combustion Intake. Masonry or factory-built fireplaces must have a combustion outside air intake, which is at least six square inches in | § 150.0(m)8: | manually operated dampers in all openings to the outside, except combustion inlet and outlet air openings and elevator shaft vents. |
| § 150.0(e)2: | area and is equipped with a readily accessible, operable, and tight-fitting damper or combustion-air control device. | | Protection of Insulation. Insulation must be protected from damage due tosunlight, moisture, equipment maintenance, and wind. |
| § 150.0(e)3: | Flue Damper. Masonry or factory-built fireplaces must have a flue damper with a readily accessible control.* | § 150.0(m)9: | Insulation exposed to weather must be suitable for outdoor service (e.g., protected by aluminum, sheet metal, painted canvas, or plastic cover). Cellular form insulation must be protected as above or painted with a water retardant and solar radiation-resistant coating |
| Space Conditionin | g, Water Heating, and Plumbing System: | § 150.0(m)10: | Porous Inner Core Flex Duct. Porous inner cores of flex ducts must have a non-porous layer or air barrier between the inner core and |
| £ 110 0 £ 110 2· | Certification. Heating, ventilation, and air conditioning (HVAC) equipment, water heaters, showerheads, faucets, and all other | 3 | outer vapor barrier. |
| § 110.0-9 110.3. | regulated appliances must be certified by the manufacturer to the California Energy Commission. | S 450 0/ | Duct System Sealing and Leakage Test. When space conditioning systems use forced air duct systems to supply conditioned air to an |
| § 110.2(a): | Controls for Heat Pumps with Supplementary Electric Resistance Heaters. Heat numps with supplementary electric resistance. | § 150.0(m)11: | occupiable space, the ducts must be sealed and duct leakage tested, as confirmed through field verification and diagnostic testing, in accordance with Reference Residential Appendix RA3.1 |
| § 110.2(b): | heaters must have controls that prevent supplementary leteritic resistance nearers, heat pumps with supplementary electric resistance in a provide the supplementary back of the supplementary heating is higher than the cut-on temperature for supplementary heating, and the cut-off temperature for compression heating is higher than the cut-off temperature for supplementary heating. | § 150.0(m)12: | Air Filtration. Space conditioning systems with ducts exceeding 10 feet and the supply side of ventilation systems must have MERV 13 or equivalent filters. Filters for space conditioning systems must have a two inch depth or can be one inch if sized per Equation 150.0-A. |
| £ 110 0/ch | Thermostats. All heating or cooling systems not controlled by a central energy management control system (EMCS) must have a | | racks or grilles must use gaskets, sealing, or other means to close gaps around the inserted filters to and prevents air from bypassing the |
| 3 110.2(0): | setback thermostat. | | filter.* |
| \$ 110 3(c)2: | insulation. Unified service water neater storage tanks and solar water-heating backup tanks must have adequate insulation, or tank surface heat loss rating. | | |
| § 110.3(c)6: | Isolation Valves. Instantaneous water heaters with an input rating greater than 6.8 kBtu per hour (2 kW) must have isolation valves with hose hibbs or other fittings on both cold and hot water lines to allow for flushing the water beater when the valves are closed | | |
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2022 Single-Family Residential Mandatory Requirements Summary

| 2 Contraction | |
|-----------------|---|
| § 150.0(k)1G: | Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8.* |
| § 150.0(k)1H: | Light Sources in Enclosed or Recessed Luminaires. Lamps and other separable light sources that are not compliant with the JA8 elevated temperature requirements, including marking requirements, must not be installed in enclosed or recessed luminaires. |
| § 150.0(k)1I: | Light Sources in Drawers, Cabinets, and Linen Closets. Light sources internal to drawers, cabinetry or linen closets are not required to comply with Table 150.0-A or be controlled by vacancy sensors provided that they are rated to consume no more than 5 watts of power, emit no more than 150 lumens, and are equipped with controls that automatically turn the lighting off when the drawer, cabinet or linen closet is closed. |
| § 150.0(k)2A: | Interior Switches and Controls. All forward phase cut dimmers used with LED light sources must comply with NEMA SSL 7A. |
| § 150.0(k)2B: | Interior Switches and Controls. Exhaust fans must be controlled separately from lighting systems. * |
| § 150.0(k)2A: | Accessible Controls. Lighting must have readily accessible wall-mounted controls that allow the lighting to be manually turned on and off. * |
| § 150.0(k)2B: | Multiple Controls. Controls must not bypass a dimmer, occupant sensor, or vacancy sensor function if the dimmer or sensor is installed to comply with § 150.0(k). |
| § 150.0(k)2C: | Mandatory Requirements. Lighting controls must comply with the applicable requirements of § 110.9. |
| § 150.0(k)2D: | Energy Management Control Systems. An energy management control system (EMCS) may be used to comply with dimming, occupancy, and control requirements if it provides the functionality of the specified control per § 110.9 and the physical controls specified in § 150.0(k)2A. |
| § 150.0(k)2E: | Automatic Shutoff Controls. In bathrooms, garages, laundry rooms, utility rooms and walk-in closets, at least one installed luminaire must be controlled by an occupancy or vacancy sensor providing automatic-off functionality. Lighting inside drawers and cabinets with opaque fronts or doors must have controls that turn the light off when the drawer or door is closed. |
| § 150.0(k)2F: | Dimmers. Lighting in habitable spaces (e.g., living rooms, dining rooms, kitchens, and bedrooms) must have readily accessible wall- mounted dimming controls that allow the lighting to be manually adjusted up and down. Forward phase cut dimmers controlling LED light sources in these spaces must comply with NEMA SSL 7A. |
| § 150.0(k)2K: | Independent controls. Integrated lighting of exhaust fans shall be controlled independently from the fans. Lighting under cabinets or shelves, lighting in display cabinets, and switched outlets must be controlled separately from ceiling-installed lighting. |
| § 150.0(k)3A: | Residential Outdoor Lighting. For single-family residential buildings, outdoor lighting permanently mounted to a residential building, or to other buildings on the same lot, must have a manual on/off switch and either a photocell and motion sensor or automatic time switch control) or an astronomical time clock. An energy management control system that provides the specified control functionality and meets al applicable requirements may be used to meet these requirements. |
| § 150.0(k)4: | Internally illuminated address signs. Internally illuminated address signs must either comply with § 140.8 or consume no more than 5 watts of power. |
| § 150.0(k)5: | Residential Garages for Eight or More Vehicles. Lighting for residential parking garages for eight or more vehicles must comply with the applicable requirements for nonresidential garages in §§ 110.9, 130.0, 130.1, 130.4, 140.6, and 141.0. |
| olar Readiness: | |
| § 110.10(a)1: | Single-family Residences. Single-family residences located in subdivisions with 10 or more single-family residences and where the application for a tentative subdivision map for the residences has been deemed complete and approved by the enforcement agency, which do not have a photovoltaic system installed, must comply with the requirements of § 110.10(b)-(e). |
| §110.10(b)1A: | Minimum Solar Zone Area. The solar zone must have a minimum total area as described below. The solar zone must comply with access, pathway, smoke ventilation, and spacing requirements as specified in Title 24, Part 9 or other parts of Title 24 or in any requirements adopted by a local jurisdiction. The solar zone total area must be comprised of areas that have no dimension less than 5 feet and are no less than 80 square feet each for buildings with roof areas less than or equal to 10,000 square feet or no less than 160 square feet each for buildings with roof areas greater than 10,000 square feet. For single-family residences, the solar zone must be located on the roof or overhang of the building and have a total area no less than 250 square feet. * |
| § 110.10(b)2: | Azimuth. All sections of the solar zone located on steep-sloped roofs must have an azimuth between 90-300° of true north. |
| § 110.10(b)3A: | Shading. The solar zone must not contain any obstructions, including but not limited to: vents, chimneys, architectural features, and roof mounted equipment. |
| § 110.10(b)3B: | Shading. Any obstruction located on the roof or any other part of the building that projects above a solar zone must be located at least twice the horizontal distance of the height difference between the highest point of the obstruction and the horizontal projection of the nearest point of the solar zone, measured in the vertical plane.* |
| § 110.10(b)4: | Structural Design Loads on Construction Documents. For areas of the roof designated as a solar zone, the structural design loads for roof dead load and roof live load must be clearly indicated on the construction documents. |
| § 110.10(c): | Interconnection Pathways. The construction documents must indicate: a location reserved for inverters and metering equipment and a pathway reserved for routing of conduit from the solar zone to the point of interconnection with the electrical service; and for single-family residences and central water-heating systems, a pathway reserved for routing plumbing from the solar zone to the water-heating system. Decumentation A comparison of the information of a comparable document indication form \$100 multi heating system. |
| § 110.10(d): | provided to the occupant. |
| § 110.10(e)1: | Main Electrical Service Panel. The main electrical service panel must have a minimum busbar rating of 200 amps. |
| § 110.10(e)2: | Main Electrical Service Panel. The main electrical service panel must have a reserved space to allow for the installation of a double pole |

| | 2022 Single-Family Residential Mandatory Requirement |
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| § 150.0(s) | Energy Storage System (ESS) Ready. All single-family residences must meet all of the foll- equipment with backed up capacity of 60 amps or more and four or more ESS supplied bran main service to a subpanel that supplies the branch circuits in § 150.0(s); at least four brancl source collocated at a single panelboard suitable to be supplied by the ESS, with one circuit near the primary exit, and one circuit supplying a sleeping room receptacle outlet; main pane 225 amps; sufficient space must be reserved to allow future installation of a system isolation panelboard, with raceways installed between the panelboard and the switch location to allow |
| § 150.0(t) | Heat Pump Space Heater Ready. Systems using gas or propane furnaces to serve individu unobstructed 240V branch circuit wiring installed within 3' of the furnace with circuit conductr identified as "240V ready;" and a reserved main electrical service panel space to allow for the permanently marked as "For Future 240V use." |
| § 150.0(u) | Electric Cooktop Ready. Systems using gas or propane cooktop to serve individual dwellin 240V branch circuit wiring installed within 3' of the cooktop with circuit conductors rated at le "240V ready;" and a reserved main electrical service panel space to allow for the installation marked as "For Future 240V use." |
| § 150.0(v) | Electric Clothes Dryer Ready. Clothes dryer locations with gas or propane plumbing to ser dedicated unobstructed 240V branch circuit wiring installed within 3' of the dryer location with the blank cover identified as "240V ready;" and a reserved main electrical service panel spac circuit breaker permanently marked as "For Future 240V use." |

*Exceptions may apply.

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nents Summary

owing: Either ESS-ready interconnection anch circuits, or a dedicated raceway from the h circuits must be identified and have their t supplying the refrigerator, one lighting circuit nelboard must have a minimum busbar rating of n equipment/transfer switch within 3' of the main the connection of backup power source. ual dwelling units must include: A dedicated ctors rated at least 30 amps with the blank cover ne installation of a double pole circuit breaker ing units must include: A dedicated unobstructed least 50 amps with the blank cover identified as

n of a double pole circuit breaker permanently rve individual dwelling units must include: A ith circuit conductors rated at least 30 amps with ce to allow for the installation of a double pole

§ 110.4(b)3: § 110.5:

§ 150.0(p): sizing, flow rate, piping, filters, and valves.* Lighting: Lighting Controls and Components. All lighting control devices and systems, ballasts, and luminaires must meet the applicable § 110.9: requirements of § 110.9.* § 150.0(k)1A: Luminaire Efficacy. All installed luminaires must meet the requirements in Table 150.0-A, except lighting integral to exhaust fans, kitchen closets with an efficacy of at least 45 lumens per watt. § 150.0(k)1B: Screw based luminaires. Screw based luminaires must contain lamps that comply with Reference Joint Appendix JA8.* Recessed Downlight Luminaires in Ceilings. Luminaires recessed into ceilings must not contain screw based sockets, must be airtight, § 150.0(k)1C: and must be sealed with a gasket or caulk. California Electrical Code § 410.116 must also be met. § 150.0(k)1D: § 150.0(k)1E: control, low voltage wiring, or fan speed control. Lighting Integral to Exhaust Fans. Lighting integral to exhaust fans (except when installed by the manufacturer in kitchen exhaust hoods) must meet the applicable requirements of § 150.0(k).

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§ 150.0(k)1F:

HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY 6/18/2024 1285 W Edmundson System Name Floor Area New HVAC 3,950 ENGINEERING CHECKS SYSTEM LOAD COIL COOLING PEAK COIL HTG. PEAK Number of Systems CFM Sensible Latent CFM Sensible Heating System 60,00 Total Room Loads 2,551 52,403 1,446 1,346 51,93 Output per System Total Output (Btuh) 120,00 **Return Vented Lighting** Output (Btuh/sqft) **Return Air Ducts** 2,377 Cooling System **Return Fan** Output per System Ventilation 60.0 0 Total Output (Btuh) 120,0 Supply Fan Total Output (Tons) Supply Air Ducts 2,377 Total Output (Btuh/sqft) 57,157 1,446 57.7 TOTAL SYSTEM LOAD Total Output (sqft/Ton) Air System CFM per System HVAC EQUIPMENT SELECTION eat Pump HVAC 112,649 Airflow (cfm) Airflow (cfm/sqft) Airflow (cfm/Ton) Total Adjusted System Output 112,649 79 0 Outside Air (%) Adjusted for Peak Design conditions Outside Air (cfm/sqft)
 Note: values above given at ARI conditions
 TIME OF SYSTEM PEAK

 HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)
 Aug 3 PM Jan 1 A 67 °F 105 °F 28 °F Dutside Air 0 cfm Heating Coil 104 °F ROOM 67 °F 68 °F ***** COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak) 8 / 65 °F 76 / 61 °F 55 / 53 °F Outside Air 56 / 53 °F 0 cfm Cooling Coil 43.3% ROOM 76/61 °F 75 / 61 °F -

§ 150.0(o)1B:

§ 150.0(o)2:

§ 110.4(b)1:

§ 110.4(b)2:

2022 Single-Family Residential Mandatory Requirements Summary

Space Conditioning System Airflow Rate and Fan Efficacy. Space conditioning systems that use ducts to supply cooling must have § 150.0(m)13: be ≥ 350 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy ≤ 0.45 watts per CFM for gas furnace air Reference Residential Appendix RA3.3. *

Ventilation and Indoor Air Quality: § 150.0(o)1:

compliance with §150.0(o)1C.

minimum airflow rate required by §150.0(o)10

rates and sound requirements per §150.0(o)1G

§150.0(o)1Gvi. *

a hole for the placement of a static pressure probe, or a permanently installed static pressure probe in the supply plenum. Airflow must handlers and ≤ 0.58 watts per CFM for all others. Small duct high velocity systems must provide an airflow ≥ 250 CFM per ton of nominal cooling capacity, and an air-handling unit fan efficacy ≤ 0.62 watts per CFM. Field verification testing is required in accordance with

Requirements for Ventilation and Indoor Air Quality. All dwelling units must meet the requirements of ASHRAE Standard 62.2, Ventilation and Acceptable Indoor Air Quality in Residential Buildings subject to the amendments specified in § 150.0(o)1.* Central Fan Integrated (CFI) Ventilation Systems. Continuous operation of CFI air handlers is not allowed to provide the wholedwelling unit ventilation airflow required per §150.0(o)1C. A motorized damper(s) must be installed on the ventilation duct(s) that prevents all airflow through the space conditioning duct system when the damper(s) is closed and controlled per §150.0(o)1Biii&iv. CFI ventilation systems must have controls that track outdoor air ventilation run time, and either open or close the motorized damper(s) for

 Solution (Section 2)
 Solution (Sectio § 150.0(o)1G: Local Mechanical Exhaust. Kitchens and bathrooms must have local mechanical exhaust; nonenclosed kitchens must have demandcontrolled exhaust system meeting requirements of §150.0(o)1Giii,enclosed kitchens and bathrooms can use demand-controlled or continuous exhaust meeting §150.0(o)1Giii-iv. Airflow must be measured by the installer per §150.0(o)1Gv, and rated for sound per

§ 150.0(o)1H&I: Airflow Measurement and Sound Ratings of Whole-Dwelling Unit Ventilation Systems. The airflow required per § 150.0(o)1C must be measured by using a flow hood, flow grid, or other airflow measuring device at the fan's inlet or outlet terminals/grilles per Reference Residential Appendix RA3.7. Whole-Dwelling unit ventilation systems must be rated for sound per ASHRAE 62.2 §7.2 at no less than the

Field Verification and Diagnostic Testing. Whole-Dwelling Unit ventilation airflow, vented range hood airflow and sound rating, and HRV and ERV fan efficacy must be verified in accordance with Reference Residential Appendix RA3.7. Vented range hoods must be verified per Reference Residential Appendix RA3.7.4.3 to confirm if it is rated by HVI or AHAM to comply with the airflow

Pool and Spa Systems and Equipment: S 110.4(a): Certification by Manufacturers. Any pool or spa heating system or equipment must be certified to have all of the following: compliance with the Appliance Efficiency Regulations and listing in MAEDbS; an on-off switch mounted outside of the heater that allows shutting off the heater without adjusting the thermostat setting; a permanent weatherproof plate or card with operating instructions; and must not use electric resistance heating. * **Piping.** Any pool or spa heating system or equipment must be installed with at least 36 inches of pipe between the filter and the heater, or dedicated suction and return lines, or built-in or built-up connections to allow for future solar heating. Covers. Outdoor pools or spas that have a heat pump or gas heater must have a cover.

Directional Inlets and Time Switches for Pools. Pools must have directional inlets that adequately mix the pool water, and a time switch that will allow all pumps to be set or programmed to run only during off-peak electric demand periods. Pilot Light. Natural gas pool and spa heaters must not have a continuously burning pilot light. Pool Systems and Equipment Installation. Residential pool systems or equipment must meet the specified requirements for pump

range hoods, bath vanity mirrors, and garage door openers; navigation lighting less than 5 watts; and lighting internal to drawers, cabinets, and linen

Light Sources in Enclosed or Recessed Luminaires. Lamps and other separable light sources that are not compliant with the JA8 elevated temperature requirements, including marking requirements, must not be installed in enclosed or recessed luminaires. Blank Electrical Boxes. The number of electrical boxes that are more than five feet above the finished floor and do not contain a luminaire or other device shall be no more than the number of bedrooms. These boxes must be served by a dimmer, vacancy sensor

BER 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 WWW.alijaberarch.com SEAL DATE: 06/19/2024 PROJECT SHYSHKA RESIDENCE 1285 W. EDMUNDSON MORGAN HILL, CA 95037 CLIENT **TREVAR & CAMILA SHYSHKA** ISSUED MARK DATE DESCRIPTION TITLE RMS SHEET A-004

California 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE RESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)



| | Y N/A RESPON. PARTY | installed in close proximity to the location or the pr construction in accordance with the California Elec | oposed location of the EV space at the time of original strical Code. | Y N | A RESPON. PARTY | |
|---|------------------------|--|---|--------|--------------------|--|
| and motels and new residential parking facilities. ew multifamily dwellings, hotels and motels shall meet the 6.4.2.2. Calculations for spaces shall be rounded up to the nearest trie vehicle supply equipment or designed as a future EV observing | | 4.106.4.2.4 Identification. The service panel or subpanel circuit directory shall iden | tify the overcurrent protective device space(s) reserved for | | 2 | 4.304 OUTDOOR V 4.304.1 OUTDOOR POTA a local water efficient lands |
| mobile parking space only for the purpose of complying with any s established by a local jurisdiction. See Vehicle Code Section 22511.2 | | 4.106.4.2.5 Electric Vehicle Ready Space Signage. Electric vehicle ready spaces shall be identified by signate | dance with the California Electrical Code. ge or pavement markings, in compliance with Caltrans | | | Efficient Landscape Ordina NOTES: |
| with less than 20 dwelling units; and hotels and motels with less | | Traffic Operations Policy Directive 13-01 (Zero Emission successor(s). | Vehicle Signs and Pavement Markings) or its | | | 1. The Model Water Title 23, Chapter available at: https |
| | | multifamily buildings. When new parking facilities are added, or electrical system | erations of parking facilities serving existing ems or lighting of existing parking facilities are added or | | | DIVISION 4.4 |
| cle charging spaces (EV spaces) capable of supporting future Level 2 lemonstrate that the electrical panel service capacity and electrical transformer(s), have sufficient capacity to simultaneously charge all um of 40 amperes. | | altered and the work requires a building permit, ten (10) altered shall be electric vehicle charging spaces (EV spa Notes: | percent of the total number of parking spaces added or ces) capable of supporting future Level 2 EVSE. | | 3 | EFFICIENCY 4.406 ENHANCED 4.406.1 RODENT PROOF |
| ectory shall identify the overcurrent protective device space(s) reserved CAPABLE" in accordance with the California Electrical Code. | | 1.Construction documents are intended to demonstrate EV charging. | the project's capability and capacity for facilitating future | | | sole/bottom plates a openings with cemer agency. |
| are installed in a number equal to or greater than the required number | | DIVISION 4.2 ENERGY EFFICIE | ted or available until EV chargers are installed for use. | | | 4.408 CONSTRUCT 4.408.1 CONSTRUCTION percent of the non-h |
| are installed in a number less than the required number of EV capable spaces required may be reduced by a number equal to the number of | | 4.201 GENERAL 4.201.1 SCOPE. For the purposes of mandatory energy ef Commission will continue to adopt mandatory standard | ficiency standards in this code, the California Energy s. | | | Exceptions: |
| | | DIVISION 4.3 WATER EFFICIEN | CY AND CONSERVATION | | | Excavated soil a Alternate waste |
| ed to demonstrate the project's capability and capacity for facilitating | | 4.303 INDOOR WATER USE 4.303.1 WATER CONSERVING PLUMBING FIXTURES AI urinals) and fittings (faucets and showerheads) shall o and 4.303.4.4. | ND FITTINGS. Plumbing fixtures (water closets and comply with the sections 4.303.1.1, 4.303.1.2, 4.303.1.3, | | | recycle facilities close to the jobs 3. The enforcing ag jobsites are loca |
| ces to be constructed or available until receptacles for EV charging or | | Note: All noncompliant plumbing fixtures in any reside plumbing fixtures. Plumbing fixture replacemen | ential real property shall be replaced with water-conserving t is required prior to issuance of a certificate of final mit approach be local building department. See Civil | | | 4.408.2 CONSTRUCTION in conformance with |
| the total number of parking spaces shall be equipped with low power Itifamily parking facilities, no more than one receptacle is required per g space is provided for use by a single dwelling unit. | | Code Section 1101.1, et seq., for the definition buildings affected and other important enactme | of a noncompliant plumbing fixture, types of residential nt dates. | | | necessary and shall 1. Identify the const reuse on the pro |
| ved by parking lifts. | | 4.303.1.1 Water Closets. The effective flush volume flush. Tank-type water closets shall be certified to the Specification for Tank-type Toilets. | e of all water closets shall not exceed 1.28 gallons per e performance criteria of the U.S. EPA WaterSense | | | Specify if constru- bulk mixed (sing Identify diversion |
| guest rooms shall be based on all buildings on a project site subject to | | Note: The effective flush volume of dual flush | toilets is defined as the composite, average flush volume | | | taken. 4. Identify construct |
| tal number of parking spaces on a building site, provided for all types | | 4.303.1.2 Urinals. The effective flush volume of wal | mounted urinals shall not exceed 0.125 gallons per flush. | | | 5. Specify that the aby weight or volu |
| cle charging spaces (EV spaces) capable of supporting future Level 2 lemonstrate that the electrical panel service capacity and electrical transformer(s), have sufficient capacity to simultaneously charge all um of 40 amperes. | | The effective flush volume of all other urinals shall no 4.303.1.3 Showerheads. | t exceed 0.5 gallons per flush. | | <u> </u> | 4.408.3 WASTE MANAGE enforcing agency, w demolition waste ma |
| ectory shall identify the overcurrent protective device space(s) reserved CAPABLE" in accordance with the California Electrical Code. | | 4.303.1.3.1 Single Showerhead. Showerhead gallons per minute at 80 psi. Showerheads sha WaterSense Specification for Showerheads. | ds shall have a maximum flow rate of not more than 1.8 all be certified to the performance criteria of the U.S. EPA | | | Note: The owner or materials will be dive |
| 2 EVSE) are installed in a number greater than five (5) percent of .106.4.2.2, Item 3, the number of EV capable spaces required may be mber of EV chargers installed over the five (5) percent required. | | 4.303.1.3.2 Multiple showerheads serving ou showerhead, the combined flow rate of all the s a single valve shall not exceed 1.8 gallons per allow one shower outlet to be in operation at a | he shower . When a shower is served by more than one showerheads and/or other shower outlets controlled by minute at 80 psi, or the shower shall be designed to only time. | | | 4.408.4 WASTE STREAM weight of constructio lbs./sq.ft. of the build Section 4.408.1 |
| locations of future EV spaces. | | Note: A hand-held shower shall be cons | idered a showerhead. | | | 4.408.4.1 WASTES weight of construction |
| ces to be constructed or available until receptacles for EV charging or | | 4.303.1.4.1 Residential Lavatory Faucets. T not exceed 1.2 gallons per minute at 60 psi. Th | he maximum flow rate of residential lavatory faucets shall ne minimum flow rate of residential lavatory faucets shall | | 4 | requirement in Section 4.408.5 DOCUMENTATIO |
| the total number of parking spaces shall be equipped with low power Itifamily parking facilities, no more than one receptacle is required per g space is provided for use by a single dwelling unit. | | not be less than 0.8 gallons per minute at 20 ps 4.303.1.4.2 Lavatory Faucets in Common are faucets installed in common and public use are | si. Ind Public Use Areas. The maximum flow rate of lavatory pas (outside of dwellings or sleeping units) in residential | | | compliance with Sec Notes: |
| served by parking lifts. | | buildings shall not exceed 0.5 gallons per minu | te at 60 psi. | | | 1. Sample fo (Residenti |
| otal number of parking spaces shall be equipped with Level 2 EVSE. at least one EV charger shall be located in the common use parking residents or guests. | | 4.303.1.4.3 Metering Faucets. Metering fauce 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 | | | 2. Mixed con Departme |
| ceptacles or Level 2 EVSE are installed beyond the minimum required, ALMS) may be used to reduce the maximum required electrical MS. The electrical system and any on-site distribution transformers t least 3.3 kW simultaneously to each EV charging station (EVCS) | | per minute at 60 psi. Kitchen faucets may tem to exceed 2.2 gallons per minute at 60 psi, and minute at 60 psi. | porarily increase the flow above the maximum rate, but not must default to a maximum flow rate of 1.8 gallons per | | 3 | 4.410 BUILDING M 4.410.1 OPERATION AND disc, web-based refe following shall be pla |
| shall have a minimum capacity of 40 amperes, and installed EVSE shall eres. ALMS shall not be used to reduce the minimum required electrical ces. | | Note: Where complying faucets are unavailable reduction. 4.303.1.4.5 Pre-rinse spray valves. | e, aerators or other means may be used to achieve | | | Directions to the life cycle of the s Operation and m |
| ations (EVCS). y Section 4.106.4.2.2, Item 3, shall comply with Section 4.106.4.2.2.1. | | When installed, shall meet the requirements in Efficiency Regulations), Sections 1605.1 (h)(4) (d)(7) and shall be equipped with an integral au | the <i>California Code of Regulations</i> , Title 20 (Appliance Table H-2, Section 1605.3 (h)(4)(A), and Section 1607 itomatic shutoff. | | | a. Equipmen photovolta appliance |
| ns serving public accommodations, public housing, motels and hotels action. See California Building Code, Chapter 11B, for applicable | | FOR REFERENCE ONLY: The following table Code of Regulations, Title 20 (Appliance Efficien 1605.3 (h)(4)(A). | and code section have been reprinted from the <i>California</i> ncy Regulations),Section 1605.1 (h)(4) and Section | | | b. Roof and c. Space cor d. Landscap e. Water reu |
| ollowing options: | | TABLE H-2 | | | | 3. Information from resource consum 4. Public transporta |
| adjacent to an accessible parking space meeting the requirements of 1A, to allow use of the EV charger from the accessible parking space. | | STANDARDS FOR COMMERCIA | L PRE-RINSE SPRAY | | | 5. Educational mate and what method |
| on an accessible route, as defined in the California Building Code, | | VALUES MANUFACTURED ON (| OR AFTER JANUARY 28, 2019 | | | water. 7. Instructions for m |
| tions designed and constructed in compliance with the California quired to comply with Section 4.106.4.2.2.1.1 and Section | | PRODUCT CLASS [spray force in ounce force (ozf)] | MAXIMUM FLOW RATE (gpm) | | | 8. Information on re painting, grading 9. Information about |
| stations (EVCS) dimensions. | | Product Class 1 (\leq 5.0 ozf) | 1.00 | | | 10. A copy of all spe 11. Information from space around re |
| hall be 18 feet (5486 mm). | | Product Class 3 (> 8.0 ozf) | 1.20 | | | 12. Information and |
| nall be 9 feet (2743 mm). | | Title 20 Section 1605.3 (h)(4)(A): Commercial p 1, 2006, shall have a minimum spray force of n | orerinse spray values manufactured on or after January ot less than 4.0 ounces-force (ozf)[113 grams-force(gf)] | | | building site, provide readil depositing, storage and co |
| t less than one, shall also have an 8-foot (2438 mm) wide minimum isle shall be permitted provided the minimum width of the EV space is | | 4.303.2 Submeters for multifamily buildings and dwellin buildings. | g units in mixed-used residential/commercial | | | corrugated cardboard, glas ordinance, if more restrictiv |
| aisle shall not exceed 1 unit vertical in 48 units horizontal (2.083 | | California Plumbing Code. 4.303.3 Standards for plumbing fixtures and fittings. Plu | umbing fixtures and fittings shall be installed in | | | 42649.1 this sec |
| .106.4.2.2.1.1 and 4.106.4.2.2.1.2, all EVSE, when installed, shall | | accordance with the <i>California Plumbing Code</i> , and shall me 1701.1 of the <i>California Plumbing Code</i> . | eet the applicable standards referenced in Table | | | DIVISION 4.5 |
| nts shall comply with California Building Code, Chapter 11A, Section | | NOTE: THIS TABLE COMPILES THE DATA IN SECTION 4 CONVENIENCE FOR THE USER. | 303.1, AND IS INCLUDED AS A | | | SECTION 4.501 GI 4.501.1 Scope |
| aceway capable of accommodating a 208/240-volt dedicated branch | | TABLE - MAXIMUM FIXTURE WATER | USE | | | irritating and/or harmful to t |
| d shall terminate into a listed cabinet, box or enclosure in close ation of the EV space. Construction documents shall identify the arger location, as applicable. The service panel and/ or subpanel shall be circuit including branch circuit everyment partective doubter | | SHOWER HEADS (RESIDENTIAL) | 1.8 GMP @ 80 PSI | | | SECTION 4.502 DI 5.102.1 DEFINITIONS The following terms are de |
| allation of a branch circuit overcurrent protective device. | | | MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 PSI | | | AGRIFIBER PRODUCTS. cores, not including furnitur |
| or the proposed location of the EV space, at the time of original nia Electrical Code. | | LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS KITCHEN FAUCETS | 0.5 GPM @ 60 PSI 1.8 GPM @ 60 PSI | | | medium density fiberboard structural panels, structura wood l-joists or finger-joint |
| documents shall indicate the raceway termination point and the reptacles or EV chargers. Construction documents shall also provide re receptacles or EVSE, raceway method(s), wiring schematics and | | METERING FAUCETS | 0.2 GAL/CYCLE | | | 93120.1. |
| Il be based upon a 40-ampere minimum branch circuit. Required blanned to be installed underground, enclosed, inaccessible or in ed at the time of original construction | | WATER CLOSET URINALS | 1.28 GAL/FLUSH 0.125 GAL/FLUSH | | | combustion from the outsid |
| ARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIS | ST IS TO BE USE | D ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY T | HE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END US | SER AS | SUMES ALI | L RESPONSIBILITY ASSOCIATEI |

| | ALI JABER |
|---|--|
| Y = YES N/A = NOT APPLICABLE RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, | 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 WWW.alijaberarch.com |
| <text><text><text><text><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></text></text></text></text> | SEAL DATE: 06/19/2024 PROJECT SHYSHKA RESIDENCE 1285 W. EDMUNDSON MORGAN HILL, CA 95037 CLIENT TREVAR & CAMILA SHYSHKA ISSUED MARK DATE DESCRIPTION |
| A.502 DEFINITIONS FINITIONS Ing terms are defined in Chapter 2 (and are included here for reference) R PRODUCTS. Agrifiber products include wheatboard, strawboard, panel substrates and door including furniture, fixtures and equipment (FF&E) not considered base building elements. TE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and insity fiberboard. "Composite wood products" does not include hardboard, structural plywood, vanels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated ts or finger-jointed lumber, all as specified in California Code of regulations (CCR), title 17, Section | CAL GREEN |
| ENT APPLIANCE. A fuel-burning appliance with a sealed combustion system that draws all air for from the outside atmosphere and discharges all flue gases to the outside atmosphere. | |
| LITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE. | SHEET A-005 |



California 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE **RESIDENTIAL MANDATORY MEASURES, SHEET 2** (January 2023)

| IAXIMUM | INCREMENTAL REACTIVITY (MIR). The maximum change in | n weight of ozone formed by | adding a | | |
|---|---|--|--|--|--|
| ompound undredths | to the "Base Reactive Organic Gas (ROG) Mixture" per weight of a gram (g O^3/g ROC). | of compound added, expres | sed to | | |
| lote: MIR v nd 94701. | alues for individual compounds and hydrocarbon solvents are | specified in CCR, Title 17, S | Sections 94700 | | |
| IOISTURE | CONTENT. The weight of the water in wood expressed in per | rcentage of the weight of the | oven-dry wood. | | |
| RODUCT | WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for a | Il ingredients in a product su | bject to this | | |
| rticle. The roduct (ex | PWMIR is the total product reactivity expressed to hundredths cluding container and packaging). | of a gram of ozone formed p | per gram of | | |
| | R is calculated according to equations found in CCR, little 17, | Section 94521 (a). | antributo to | | |
| zone form | ation in the troposphere. | potential, once emitted, to co | | | |
| OC. A vol | atile organic compound (VOC) broadly defined as a chemical or pressures greater than 0.1 millimeters of mercury at room temp | compound based on carbon operature. These compounds | chains or rings | | |
| ydrogen a | nd may contain oxygen, nitrogen and other elements. See CCF | R Title 17, Section 94508(a). | spically contain | | |
| .503.1 GE | REPLACES NERAL. Any installed gas fireplace shall be a direct-vent seal | ed-combustion type. Any ins | stalled | | |
| voodstove | or pellet stove shall comply with U.S. EPA New Source Perforr and shall have a permanent label indicating they are certified to | mance Standards (NSPS) er o meet the emission limits. | mission limits as Woodstoves, | | |
| ellet stove | s and fireplaces shall also comply with applicable local ordinan | nces. | | | |
| .504.1 CO | DLLUTANT CONTROL VERING OF DUCT OPENINGS & PROTECTION OF MECHA | NICAL EQUIPMENT DURIN | NG | | |
| tartup of th | CTION. At the time of rough installation, during storage on the the heating, cooling and ventilating equipment, all duct and othe | e construction site and until fine er related air distribution com | nal ponent | | |
| penings sl educe the | nall be covered with tape, plastic, sheet metal or other methods amount of water, dust or debris which may enter the system. | s acceptable to the enforcing | agency to | | |
| .504.2 FIN | IISH MATERIAL POLLUTANT CONTROL. Finish materials s | hall comply with this section. | | | |
| 4.504 | 4.2.1 Adhesives, Sealants and Caulks. Adhesives, sealant a | and caulks used on the project | ct shall meet the | | |
| mana | agement district rules apply: | or regional air pollution or ai | quality | | |
| | 1. Adhesives, adhesive bonding primers, adhesive primers, shall comply with local or regional air pollution control or | sealants, sealant primers an | id caulks | | |
| | applicable or SCAQMD Rule 1168 VOC limits, as shown Such products also shall comply with the Rule 1168 prob | in Table 4.504.1 or 4.504.2, | as applicable. | | |
| | compounds (chloroform, ethylene dichloride, methylene o tricloroethylene), excent for aerosol products, as specified | chloride, perchloroethylene a | ind | | |
| | 2. Aerosol adhesives, and smaller unit sizes of adhesives | and sealant or caulking comp | oounds (in | | |
| | units of product, less packaging, which do not weigh more than 16 fluid ounces) shall comply with statewide VOC st | e than 1 pound and do not co andards and other requirement | onsist of more ents, including | | |
| | prohibitions on use of certain toxic compounds, of <i>Californ</i> commencing with section 94507. | rnia Code of Regulations, Titl | le 17, | | |
| 4.504 | 1.2.2 Paints and Coatings. Architectural paints and coatings | shall comply with VOC limits | in Table 1 of | | |
| the A apply | RB Architectural Suggested Control Measure, as shown in Tal . The VOC content limit for coatings that do not meet the defin | ble 4.504.3, unless more stri nitions for the specialty coating | ngent local limits ngs categories | | |
| listed coati | in Table 4.504.3 shall be determined by classifying the coating ng, based on its gloss, as defined in subsections 4.21, 4.36, an | g as a Flat, Nonflat or Nonfla nd 4.37 of the 2007 California | at-High Gloss a Air Resources | | |
| Boar Table | d, Suggested Control Measure, and the corresponding Flat, No 9 4.504.3 shall apply. | onflat or Nonflat-High Gloss \ | VOC limit in | | |
| 4.504 | | | | | |
| | 1.2.3 Aerosol Paints and Coatings. Aerosol paints and coatin | ngs shall meet the Product-w | veighted MIR | | |
| comp | 4.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, incluounds and ozone depleting substances, in Sections 94522(e)(2) (2) (2) (2) (2) (2) (2) (2) (2) (2) | ngs shall meet the Product-w uding prohibitions on use of c (1) and (f)(1) of <i>California Co</i> | veighted MIR certain toxic ode of | | |
| Comp Comp Regu Qual | 4.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, incluounds and ozone depleting substances, in Sections 94522(e)(<i>ulations</i> , Title 17, commencing with Section 94520; and in areasity Management District additionally comply with the percent Volume 40. | ngs shall meet the Product-w uding prohibitions on use of o (1) and (f)(1) of <i>California Co</i> s under the jurisdiction of the OC by weight of product limit | veighted MIR certain toxic ode of e Bay Area Air ts of Regulation | | |
| Comp Regu Qual 8, Ru | Acrosol Paints and Coatings. Acrosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, incluounds and ozone depleting substances, in Sections 94522(e)(<i>ulations</i>, Title 17, commencing with Section 94520; and in areasity Management District additionally comply with the percent Volue 49. A Verification Verification of compliance with this section. | ngs shall meet the Product-w uding prohibitions on use of c (1) and (f)(1) of <i>California Co</i> s under the jurisdiction of the OC by weight of product limit | veighted MIR certain toxic ode of e Bay Area Air ts of Regulation | | |
| Comp Regu Qual 8, Ru 4.50 4 enfor | 4.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, incluounds and ozone depleting substances, in Sections 94522(e)(<i>alations</i>, Title 17, commencing with Section 94520; and in areasity Management District additionally comply with the percent Valle 49. 4.2.4 Verification. Verification of compliance with this section scing agency. Documentation may include, but is not limited to the percent of the section agency. | ngs shall meet the Product-w uding prohibitions on use of c (1) and (f)(1) of <i>California Co</i> s under the jurisdiction of the OC by weight of product limit shall be provided at the requ , the following: | veighted MIR certain toxic ode of Bay Area Air ts of Regulation uest of the | | |
| Limit comp <i>Regu</i> Qual 8, Ru 4.50 4 enfor | 4.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, incluounds and ozone depleting substances, in Sections 94520(e)(<i>alations</i>, Title 17, commencing with Section 94520; and in areasity Management District additionally comply with the percent Valle 49. 4.2.4 Verification. Verification of compliance with this section range agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. | ngs shall meet the Product-w uding prohibitions on use of c (1) and (f)(1) of <i>California Co</i> s under the jurisdiction of the OC by weight of product limit shall be provided at the requ , the following: | veighted MIR certain toxic ode of Bay Area Air ts of Regulation uest of the | | |
| Limit comp <i>Regu</i> Qual 8, Ru 4.504 enfor | 4.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, inclubounds and ozone depleting substances, in Sections 94520(e)(<i>alations</i>, Title 17, commencing with Section 94520; and in areasity Management District additionally comply with the percent Valle 49. 4.2.4 Verification. Verification of compliance with this section cing agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. | ngs shall meet the Product-w uding prohibitions on use of c (1) and (f)(1) of <i>California Co</i> s under the jurisdiction of the OC by weight of product limit shall be provided at the requ , the following: | veighted MIR certain toxic ode of e Bay Area Air ts of Regulation uest of the | | |
| Limit comp <i>Regu</i> Qual 8, Ru 4.50 4 enfor | 4.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, inclubounds and ozone depleting substances, in Sections 94520; e)(<i>ilations</i>, Title 17, commencing with Section 94520; and in areas ty Management District additionally comply with the percent Volle 49. 4.2.4 Verification. Verification of compliance with this section ring agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. | ngs shall meet the Product-w uding prohibitions on use of c (1) and (f)(1) of <i>California Co</i> s under the jurisdiction of the OC by weight of product limit shall be provided at the requ , the following: | veighted MIR sertain toxic ode of a Bay Area Air ts of Regulation uest of the | | |
| LIMIT comp Regu Qual 8, Ru 4.50 4 enfor | 4.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, inclubounds and ozone depleting substances, in Sections 94522(e)(<i>ilations</i>, Title 17, commencing with Section 94520; and in areas ty Management District additionally comply with the percent Volle 49. 4.2.4 Verification. Verification of compliance with this section cing agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. | ngs shall meet the Product-w uding prohibitions on use of o (1) and (f)(1) of <i>California Co</i> s under the jurisdiction of the OC by weight of product limit shall be provided at the requ , the following: | veighted MIR sertain toxic ode of a Bay Area Air ts of Regulation | | |
| Limit comp Regu Qual 8, Ru 4.50 4 enfor | 4.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, inclubounds and ozone depleting substances, in Sections 94520; e)(<i>ilations</i>, Title 17, commencing with Section 94520; and in areas ty Management District additionally comply with the percent Volle 49. 4.2.4 Verification. Verification of compliance with this section cing agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. | ngs shall meet the Product-w uding prohibitions on use of o (1) and (f)(1) of <i>California Co</i> s under the jurisdiction of the OC by weight of product limit shall be provided at the requ , the following: r Liter) VOC LIMIT | veighted MIR sertain toxic ode of e Bay Area Air ts of Regulation uest of the | | |
| Limit comp Regu Qual 8, Ru 4.50 4 enfor | 1.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, incluous and ozone depleting substances, in Sections 94520; e)(<i>ilations</i> , Title 17, commencing with Section 94520; and in areas ty Management District additionally comply with the percent Volle 49. 1.2.4 Verification. Verification of compliance with this section range agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. TABLE 4.504.1 - ADHESIVE VOC LIMIT _{1,2} (Less Water and Less Exempt Compounds in Grams per ARCHITECTURAL APPLICATIONS INDOOR CARPET ADHESIVES | ngs shall meet the Product-w uding prohibitions on use of o (1) and (f)(1) of <i>California Co</i> s under the jurisdiction of the OC by weight of product limit shall be provided at the requ , the following: r Liter) VOC LIMIT 50 | veighted MIR pertain toxic obde of e Bay Area Air ts of Regulation uest of the | | |
| Limit comp Regu Qual 8, Ru 4.50 4 enfor | 1.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, inclubounds and ozone depleting substances, in Sections 94520; e)(<i>ilations</i> , Title 17, commencing with Section 94520; and in areasity Management District additionally comply with the percent Volle 49. 1.2.4 Verification. Verification of compliance with this section range agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. TABLE 4.504.1 - ADHESIVE VOC LIMIT _{1,2} (Less Water and Less Exempt Compounds in Grams per ARCHITECTURAL APPLICATIONS INDOOR CARPET ADHESIVES CARPET PAD ADHESIVES | ngs shall meet the Product-w uding prohibitions on use of c (1) and (f)(1) of <i>California Co</i> s under the jurisdiction of the OC by weight of product limit shall be provided at the requ , the following: r Liter) VOC LIMIT 50 50 | veighted MIR pertain toxic obde of e Bay Area Air ts of Regulation uest of the | | |
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| Limit comp Qual 8, Ru 4.504 enfor | 1.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings. Sor ROC in Section 94522(a)(2) and other requirements, inclubounds and ozone depleting substances, in Sections 94522(e)(lations, Title 17, commencing with Section 94520; and in areasity Management District additionally comply with the percent VG is 49. 2.2.4 Verification. Verification of compliance with this section cing agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. TABLE 4.504.1 - ADHESIVE VOC LIMIT 1.2 (Less Water and Less Exempt Compounds in Grams per ARCHITECTURAL APPLICATIONS INDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES WOOD FLOORING ADHESIVES SUBFLOOR ADHESIVES VCT & ASPHALT TILE ADHESIVES VCT & ASPHALT TILE ADHESIVES DRYWALL & PANEL ADHESIVES DRYWALL & PANEL ADHESIVES MULTIPURPOSE CONSTRUCTION ADHESIVE STRUCTURAL GLAZING ADHESIVES OTHER ADHESIVES NOT LISTED SPECIALTY APPLICATIONS PVC WELDING ABS WELDING PLASTIC CEMENT WELDING ABS WELDING PLASTIC CEMENT WELDING ADHESIVE PRIMER FOR PLASTIC CONTACT ADHESIVE STRUCTURAL WOOD MEMBER ADHESIV | ngs shall meet the Product-w Jding prohibitions on use of a (1) and (f)(1) of California Co s under the jurisdiction of the OC by weight of product limit shall be provided at the requ , the following: VOC LIMIT 50 50 50 65 50 65 50 50 50 50 50 50 50 50 50 5 | veighted MIR pertain toxic obe of a Bay Area Air ts of Regulation uest of the | | |
| Limit comp Qual 8, Ru 4.504 enfor | 12.3 Aerosol Paints and Coatings. Aerosol paints and coatings. 12.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, incluounds and ozone depleting substances, in Sections 94522(a)(2) and in areasing the Management District additionally comply with the percent Viele 49. 12.4 Verification. Verification of compliance with this section cing agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. TABLE 4.504.1 - ADHESIVE VOC LIMIT _{1:2} (Less Water and Less Exempt Compounds in Grams per Architectrural APPLiCATIONS INDOOR CARPET ADHESIVES CARPET PAD ADHESIVES OUTDOOR CARPET ADHESIVES WOOD FLOORING ADHESIVES RUBBER FLOOR ADHESIVES VCT & ASPHALT TILE ADHESIVES DRYWALL & PANEL ADHESIVES COVE BASE ADHESIVES MULTIPURPOSE CONSTRUCTION ADHESIVES SINGLE-PLY ROOF MEMBRANE ADHESIVES OTHER ADHESIVES NOT LISTED SPECIALTY APPLICATIONS PVC WELDING ADHESIVE ROR PLASTIC CONTACT ADHESIVE STRUCTURAL GLAZING ADHESIVE STRUCTURAL WOOD MEMBER ADHESIVE SPECIALTY APPLICATIONS PVC WELDING | ngs shall meet the Product-widing prohibitions on use of contract of the prohibitions on use of contract of the provided at the provided at the requipance of the following: shall be provided at the requipance of the following: shall be provided at the requipance of the following: r Liter) VOC LIMIT 50 50 50 100 60 510 490 325 250 80 250 140 250 | veighted MIR pertain toxic bde of a Bay Area Air ts of Regulation uest of the | | |
| Limit comp Regu Qual 8, Ru 4.504 enfor | 12.3 Aerosol Paints and Coatings. Aerosol paints and coatings. For ROC in Section 94522(a)(2) and other requirements, incluounds and ozone depleting substances, in Sections 94522(e)(attions, Title 17, commencing with Section 94520; and in area: ty Management District additionally comply with the percent Viele 49. 12.4 Verification. Verification of compliance with this section cing agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. TABLE 4.504.1 - ADHESIVE VOC LIMIT _{1:2} (Less Water and Less Exempt Compounds in Grams per ARCHITECTURAL APPLICATIONS INDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES WOOD FLOORING ADHESIVES VCT & ASPHALT TILE ADHESIVES VCT & ASPHALT TILE ADHESIVES DRYWALL & PANEL ADHESIVES OUTUROR CONSTRUCTION ADHESIVE STRUCTURAL GLAZING ADHESIVES MULTIPURPOSE CONSTRUCTION ADHESIVE SINGLE-PLY ROOF MEMBRANE ADHESIVES OTHER ADHESIVES NOT LISTED SPECIALTY APPLICATIONS PVC WELDING ADHESIVE NOT LISTED SPECIALTY APPLICATIONS PVC WELDING ADHESIVE ROR PLASTIC CONTACT ADHESIVE STRUCTURAL WOOD MEMBER | ngs shall meet the Product-waiting prohibitions on use of contract of the provided at the provided at the requipation of the following: shall be provided at the requipation of the following: shall be provided at the requipation of the following: r Liter) VOC LIMIT 50 50 50 100 60 510 490 325 250 80 250 140 250 30 50 | veighted MIR pertain toxic bde of a Bay Area Air ts of Regulation uest of the | | |
| Limit comp Qual 8, Ru 4.504 enfor | 12.3 Aerosol Paints and Coatings. Aerosol paints and coatings. 12.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, incluounds and ozone depleting substances, in Sections 94522(a)(2) and in areasing the Management District additionally comply with the percent Ville 49. 12.4 Verification. Verification of compliance with this section cring agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. TABLE 4.504.1 - ADHESIVE VOC LIMIT 1.2 (Less Water and Less Exempt Compounds in Grams per ARCHITECTURAL APPLICATIONS INDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES WOOD FLOORING ADHESIVES VCT & ASPHALT TILE ADHESIVES VCT & ASPHALT TILE ADHESIVES DRYWALL & PANEL ADHESIVES VCT & ASPHALT TILE ADHESIVES MULTIPURPOSE CONSTRUCTION ADHESIVE STRUCTURAL GLAZING ADHESIVES OTHER ADHESIVES NOT LISTED SPECIALTY APPLICATIONS PVC WELDING CPVC WELDING ABS WELDING PLASTIC CEMENT WELDING ADHESIVE ROT PLASTIC CONTACT ADHESIVE STRUCTURAL WOOD MEMBER ADHESIVE | ngs shall meet the Product-weiging prohibitions on use of contract of the provided at the provided at the requent of the following: shall be provided at the requent of the following: shall be provided at the requent of the following: r Liter) VOC LIMIT 50 50 50 100 60 510 490 325 250 80 250 30 50 50 50 50 | veighted MIR pertain toxic bde of a Bay Area Air ts of Regulation uest of the | | |
| Limit comp Qual 8, Ru 4.504 enfor | 12.3 Aerosol Paints and Coatings. Aerosol paints and coatings. 12.5 for ROC in Section 94522(a)(2) and other requirements, incluounds and ozone depleting substances, in Sections 94522(e)(1ations, Title 17, commencing with Section 94520; and in areasing the management District additionally comply with the percent Vile 49. 12.4 Verification. Verification of compliance with this section cring agency. Documentation may include, but is not limited to 1. 1. Manufacturer's product specification. 2. Field verification of on-site product containers. TABLE 4.504.1 - ADHESIVE VOC LIMIT.12 (Less Water and Less Exempt Compounds in Grams peridection of compliance with this section cring agency. Documentation may include, but is not limited to 1. ARCHITECTURAL APPLICATIONS INDOOR CARPET ADHESIVES CARPET PAD ADHESIVES OUTDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES <td colsp<="" td=""><td>ngs shall meet the Product-widing prohibitions on use of contrained on the jurisdiction of the OC by weight of product limits sunder the jurisdiction of the OC by weight of product limits shall be provided at the requipation of the following: r Liter) VOC LIMIT 50 80 250 80 250 30 50 50 50 50 50</td><td>veighted MIR pertain toxic bde of a Bay Area Air ts of Regulation uest of the</td><td></td></td> | <td>ngs shall meet the Product-widing prohibitions on use of contrained on the jurisdiction of the OC by weight of product limits sunder the jurisdiction of the OC by weight of product limits shall be provided at the requipation of the following: r Liter) VOC LIMIT 50 80 250 80 250 30 50 50 50 50 50</td> <td>veighted MIR pertain toxic bde of a Bay Area Air ts of Regulation uest of the</td> <td></td> | ngs shall meet the Product-widing prohibitions on use of contrained on the jurisdiction of the OC by weight of product limits sunder the jurisdiction of the OC by weight of product limits shall be provided at the requipation of the following: r Liter) VOC LIMIT 50 80 250 80 250 30 50 50 50 50 50 | veighted MIR pertain toxic bde of a Bay Area Air ts of Regulation uest of the | |
| Limit comp Qual 8, Ru 4.504 enfor | 12.3 Aerosol Paints and Coatings. Aerosol paints and coatings. 12.4 Verification Section 94522(a)(2) and other requirements, incluounds and ozone depleting substances, in Sections 94522(e)(<i>ilations</i> , Title 17, commencing with Section 94520; and in areasity Management District additionally comply with the percent Vile 49. 12.4 Verification. Verification of compliance with this section cring agency. Documentation may include, but is not limited to 1. 1. Manufacturer's product specification. 2. Field verification of on-site product containers. TABLE 4.504.1 - ADHESIVE VOC LIMIT _{1/2} (Less Water and Less Exempt Compounds in Grams per ARCHITECTURAL APPLICATIONS INDOOR CARPET ADHESIVES CARPET PAD ADHESIVES OUTDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES WOOD FLOORING ADHESIVES SUBFLOOR ADHESIVES CERAMIC TILE ADHESIVES CERAMIC TILE ADHESIVES VCT & ASPHALT TILE ADHESIVES DRYWALL & PANEL ADHESIVES COVE BASE ADHESIVES MULTIPURPOSE CONSTRUCTION ADHESIVE STRUCTURAL GLAZING ADHESIVES SINGLE-PLY ROOF MEMBRANE ADHESIVES OTHER ADHESIVES NOT LISTED SPECIALTY APPLICATIONS PVC WELDING ABS WELDING ABS WELDING ABS WELDING ABS WELDING ADHESIVE SPECIAL PURPOSE CONTACT ADHESIVE STRUCTURAL WOOD MEMBER ADHESIVE SUB | ngs shall meet the Product-waiting prohibitions on use of contrained on the jurisdiction of the OC by weight of product limits sunder the jurisdiction of the OC by weight of product limits shall be provided at the requipation of the following: r Liter) VOC LIMIT 50 510 490 325 250 80 250 30 50 50 50 30 50 50 < | veighted MIR pertain toxic bde of a Bay Area Air ts of Regulation uest of the | | |
| Limit comp Regu Qual 8, Ru 4.504 enfor | 12.3 Aerosol Paints and Coatings. Aerosol paints and coatings for ROC in Section 94522(a)(2) and other requirements, incluouounds and ozone depleting substances, in Section 94520; and in area: by Management District additionally comply with the percent V vie 49. 12.4 Verification. Verification of compliance with this section cring agency. Documentation may include, but is not limited to 1. Manufacturer's product specification. 2. Field verification of on-site product containers. TABLE 4.504.1 - ADHESIVE VOC LIMIT 1.2 (Less Water and Less Exempt Compounds in Grams per ArchitectureAL APPLICATIONS INDOOR CARPET ADHESIVES CARPET PAD ADHESIVES OUTDOOR CARPET ADHESIVES OUTDOOR CARPET ADHESIVES WOOD FLOORING ADHESIVES VCT & ASPHALT TILE ADHESIVES DRYWALL & PANEL ADHESIVES MULTIPURPOSE CONSTRUCTION ADHESIVE SINGLE-PLY ROOF MEMBRANE ADHESIVES OTHER ADHESIVES NOT LISTED SPECIALTY APPLICATIONS PVC WELDING ABS WELDING PLASTIC CEMENT WELDING ADHESIVE STRUCTURAL WOOD MEMBER ADHESIVE STRUCTURAL WOOD MEMBER ADHESIVE SUBSTRATE SPECIF | ngs shall meet the Product-waiting prohibitions on use of contrained of the provided at the initial shall be provided at the requered of the following: shall be provided at the requered of the following: r Liter) VOC LIMIT 50 50 50 100 60 50 80 250 50 80 250 50 30 50 50 50 50 50 <tr< td=""><td>veighted MIR pertain toxic bde of a Bay Area Air ts of Regulation uest of the</td><td></td></tr<> | veighted MIR pertain toxic bde of a Bay Area Air ts of Regulation uest of the | | |

| | | Ŷ | N/A RESPON. PARTY | | Y N/A RESPON. PARTY | |
|------------------------|---------------------------|-----|----------------------|---|------------------------|---|
| | | - I | | | | CHAPTER 7 |
| ANT VOC LIMIT | | | | TABLE 4.504.5 - FORMALDEHYDE LIMITS | | |
| Compounds in Grams | per Liter) | | | MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION | | |
| | VOC LIMIT | - 1 | | PRODUCT CURRENT LIMIT | | 702 QUALIF |
| | 250 | 4 | | HARDWOOD PLYWOOD VENEER CORE 0.05 | | installation of HVAC |
| | 760 | 4 | | HARDWOOD PLYWOOD COMPOSITE CORE 0.05 | | responsibility of a pe |
| | 300 | 4 1 | | PARTICLE BOARD 0.09 | | Examples of accepta |
| | 250 | 4 1 | | MEDIUM DENSITY FIBERBOARD 0.11 | | State certi Public utili |
| | 430 | | | 1 VALUES IN THIS TABLE ARE DEDIVED FROM THOSE SPECIFIED | | Training p Programs |
| | 420 | - | | BY THE CALIF. AIR RESOURCES BOARD, AIR TOXICS CONTROL | | 5. Other prog |
| | | | | MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333, FOR ADDITIONAL INFORMATION, SEE CALIF. | | 702.2 SPECIAI |
| | 250 | | | CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH | | other duties necessa |
| | 775 | | | 93120.12. 2 THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM | | to the satisfaction of other certifications or |
| | 500 | - | | THICKNESS OF 5/16" (8 MM). | | considered by the er |
| | 760 | | | | | 1. Certificatio |
| | 750 | | | DIVISION 4.5 ENVIRONMENTAL QUALITY (CONTINUED) 4.504.3 CARPET SYSTEMS. All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350) | | performan 3. Successfu 4. Other prog |
| | | | | See California Department of Public Health's website for certification programs and testing labs. | | 1. Spe proj 2. HEF |
| C CONTENT LIM | ITS FOR | _ | | 4 504.2.1 Correct cushion. All correct cushion installed in the building interior shall meet the requirements of the | | non |
| OATINGS _{2,3} | ANN - PERSONAL CONTRACTOR | | | California Department of Public Health, "Standard Method for the Testing and Evaluation Volatile Organic | | [BSC] When require employ one or more |
| R OF COATING, LESS | WATER & LESS EXEMPT | | | (Emission testing method for California Specification 01350) | | this code. Special in particular type of insp |
| | VOC LIMIT | | | See California Department of Public Health's website for certification programs and testing labs. | | recognized state, na shall be closely relat |
| | 50 | | | https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx. | | Note: Specia |
| | 100 | × | | 4.504.3.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.4 | | project they an |
| DATINGS | 150 | | | | | |
| 5 | | | | resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the | | 703 VERIFI |
| IGS | 400 | | | resting and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350) | | limited to, construction |
| OATINGS | 400 | | | See California Department of Public Health's website for certification programs and testing labs. | | methods acceptable documentation or sp |
| INGS | 50 | | | hhtps://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx. | | the appropriate secti |
| ERS | 350 | | | | | |
| | 350 | × | | 4.504.5 COMPOSITE WOOD PRODUCTS. Hardwood plywood, particleboard and medium density fiberboard | | |
| POUNDS | 350 | | | formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.), | | |
| ALERS | 100 | × | | by or before the dates specified in those sections, as shown in Table 4.504.5 | | |
| | 50 | | | 4.504.5.1 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following: | | |
| | 150 | | | 1 Product certifications and specifications | | |
| S | 350 | | | Chain of custody certifications. Chain of custody certifications. Draduct labeled and invested as meeting the Companyite Wood Braducts regulation (see | | |
| iS | 350 | | | CCR, Title 17, Section 93120, et seq.). | | |
| | 100 | | | Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269, European 636 3S standards, and Canadian CSA | | |
| | 250 | | | 0121, CSA 0151, CSA 0153 and CSA 0325 standards. 5. Other methods acceptable to the enforcing agency. | | |
| | 420 | | | | | |
| | 250 | | | 4.505 INTERIOR MOISTURE CONTROL | | |
| | 120 | | | 4.505.1 General. Buildings shall meet or exceed the provisions of the California Building Standards Code. | | |
| ATINGS | 450 | × | | 4.505.2 CONCRETE SLAB FOUNDATIONS. Concrete slab foundations required to have a vapor retarder by | | |
| IGS | 100 | | | California Residential Code, Chapter 5, shall also comply with this section. | | |
| DATINGS | 500 | | | 4.505.2.1 Capillary break. A capillary break shall be installed in compliance with at least one of the | | |
| | 250 | | | following: | | |
| RIMERS | 420 | | | A 4-inch (101.6 mm) thick base of 1/2 inch (12.7mm) or larger clean aggregate shall be provided with a vapor barrier in direct contact with concrete and a concrete mix design, which will address bleeding. | | |
| IDERCOATERS | 100 | | | shrinkage, and curling, shall be used. For additional information, see American Concrete Institute, | | |
| SEALERS | 350 | | | Other equivalent methods approved by the enforcing agency. A global design and the provention of the provention | | |
| | 250 | | | 3. A slab design specified by a licensed design professional. | | |
| | 50 | × | | 4.505.3 MOISTURE CONTENT OF BUILDING MATERIALS. Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19 percent | | |
| ATINGS | 250 | | | moisture content. Moisture content shall be verified in compliance with the following: | | |
| | | | | Moisture content shall be determined with either a probe-type or contact-type moisture meter. Equivalent moisture verification methods may be approved by the enforcing approved shall potiefy acquirements | | |
| | 730 | | | found in Section 101.8 of this code. | | |
| | 550 | | | Molsone readings shall be taken at a point 2 reet (o to min) to 4 reet (1219 min) from the grade stamped end of each piece verified. At least these sectors are an intermediate to the state of the stat | | |
| ALERS & | 100 | | | At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing. | | |
| | 250 | | | Insulation products which are visibly wet or have a high moisture content shall be replaced or allowed to dry prior to | | |
| | 450 | | | enclosure in wall or floor cavities. Wet-applied insulation products shall follow the manufacturers' drying recommendations prior to enclosure. | | |
| GS | 340 | | | | | |
| NGS | 100 | × | | 4.506 INDOOR AIR QUALITY AND EXHAUST 4.506.1 Bathroom exhaust fans. Each bathroom shall be mechanically ventilated and shall comply with the | | |
| ATINGS | 420 | | | following: | | |
| RANES | 250 | | | Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building. Unless functioning as a component of a whole house ventilation system, fans must be controlled by a | | |
| | 275 | | | humidity control. | | |
| | 350 | | | a. Humidity controls shall be capable of adjustment between a relative humidity range less than or | | |
| | 340 | | | adjustment. | | |
| ITER OF COATING, IN | CLUDING WATER & | | | D. A numidity control may be a separate component to the exhaust fan and is not required to be integral (i.e., built-in) | | |
| REMAIN IN EFFECT | UNLESS REVISED LIMITS | | | Notes: | | |
| ENT COLUMNS IN TH | E TABLE. | | | 1. For the purposes of this section, a bathroom is a room which contains a bathtub, shower or | | |
| OURCES BOARD. AR | CHITECTURAL COATINGS | | | tub/shower combination. | | |
| EASURE, FEB. 1, 200 | 8. MORE INFORMATION IS | | | | | |
| TEOUTUES BUAR | | × | | 4.507 ENVIRONMENTAL COMFORT 4.507.2 HEATING AND AIR-CONDITIONING SYSTEM DESIGN. Heating and air conditioning systems shall be | | |
| | | | | sized, designed and have their equipment selected using the following methods: | | |
| | | | | The heat loss and heat gain is established according to ANSI/ACCA 2 Manual J - 2011 (Residential Load Calculation), ASHRAE handbooks or other equivalent design software or methods | | |
| | | | | Duct systems are sized according to ANSI/ACCA 1 Manual D - 2014 (Residential Duct Systems), ASHRAE handbooks or other equivalent design software or methods. | | |
| | | | | Select heating and cooling equipment according to ANSI/ACCA 3 Manual S - 2014 (Residential Equipment Selection) and the service of the service | | |
| | | | | Equipment Selection), or other equivalent design software or methods. | | |
| | | | | Exception: Use of alternate design temperatures necessary to ensure the system functions are acceptable. | | |

| California 2022 CALIFO | RNIA GREEN BUILD | ING STANDARDS CODE | ALIJABER ARCHITECT 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 WWW.alijaberarch.com |
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| <text></text> | <text></text> | <form></form> | SEAL DATE: 06/19/2024 PROJECT PROJECT PROJECT CLENT CLENT REVAR & CAMILA SHYSHKA INSUED DATE DESCRIPTION TICL CAL GREEN SHEET |
| | | | A-006 |



| | Ecom | HANDICOAMSEDATION | | Tensile Strength | |
|--|---|---|---|--|------|
| | ruaili | HANDIFUAM® E84 LOW | PRESSURE SPRAT FUAM | | |
| LOW PRESSURE PO | OLYURETHANE FOAM INF | ORMATION | | Cuttable | |
| Description | Low pressure, medium dens | ity, two-component spray polyuretha | ne foam | Fungi Resistance | |
| SPF | Spray Polyurethane Foam | | | Perm Rating- Metho | d A |
| Applications | Designed to fill and seal var ASTM E84 as a Class 1 (A) s | ious size voids, deaden sound or redu system. | ce vibration. Conforms to the requirements of | 1" Thick (2.54 cm) 2" Thick (5.08 cm) | |
| Preparation for use | Substrate must be clean, dr Protect surfaces not to be for additional information go to | y, firm, free of loose particles, and fre pamed. Read SDS, Operating Instructi | e of dust, grease and mold release agents. ons, and Product Stewardship Guidelines. For | Water Absorption | |
| Use | Condition chemical to 75-85 | °F (24-29°C). Follow instructions for | set-up found in the operating instructions. | Fire Rating- Tested a | : 2" |
| PPE | ~ 😭 🖞 🎮 🤅 | 8 | | Fire Rating- Tested a | : 2″ |
| | Recommend using in a well- respirator (PAPR). Wear pro against dermal exposure. R | ventilated area with certified respirate btective glasses with side shields or ge ead all instructions and SDS (Section | ory protection or a powered air purifying oggles, nitrile gloves, and clothing that protects 8) prior to use of any product. | Fire Rating | |
| Note | FOR PROFESSIONAL USE O | NLY. Always check the local building | code before use. Cured low pressure | APPROVALS/STAND | ARE |
| | polyurethane foam is non-to | oxic and inert. | | ESR- 2717 | |
| Temperature | Femperature Please see chart located on page 2 | | | | |
| Product Storage | Store in a dry area. Do not Excessive heat can cause pr | CCMC #13455-L | | | |
| Disposal | Refer to SDS (Section 13) for state, provincial and local re | or instructions. Always dispose of emp gulations. | pty cylinders according to applicable federal, | NFPA 286 | |
| Shelf-life | 12 months | | | NFPA 286-Modified | |
| Compatibility | Cured low pressure polyure harm electrical wire insulation other plastics. The product | thane foam is chemically inert and nor ons, extruded polystyrene foams, Rom is not resistant to UV rays; if left expo | n-reactive in approved applications, and will not nex®, rubber, PVC, polyethylene (i.e. PEX) or used the product should be coated or painted. | ULe GREENGUARD | |
| TECHNICAL DATA | | STANDARD | RESULTS | TEMPERATURE GUIDE | LIN |
| Density Free Rise | | ASTM D1622 | 1.75 lbs/ft3 (28 kg/m3) | Chemical Storage Te | mp |
| Density In-place | | | 2.12 lbs/ft3 (34 kg/m3) | Outside Application | Ter |
| K-factor- Initial | | ASTM C518 | 0.139 BTU-inch/ft ² -h-°F | Process Core Chemic | al |
| Aged 90 days 140° | F (60°C) | | 0.166 BTU·inch/ft²·h·°F | Surface Temperature | e (S |
| Aged 90 days 140° | F (60°C) | ACTM (C10 | 0.083 BT0-inch/ft*-h*F | Cured Foam | |
| Aged 90 days 140° | F (60°C) | ASTM CS18 | 6.0 at 1 inch thickness | | |
| Aged 90 days 140° | F (60°C) | | 12.0 at 2 inch thickness | YIELD ¹ (1.75 Density) | |
| Air Barrier Prope Tested at 1 inch thi | rties ickness @1.57 psf (75Pa) | ASTM E283 | 0.003 cfm/ft ² (0.02 L/s/m ²) | | |
| Air Permeance Tested at 2 Inch Be | eads | ASTM E2178 | 0.02 L/s/m ² | II-105 P10705 | |
| Compressive Stre | ength | ASTM D1621 | 26 lbf/in ² (182 kPa) Parallel 16 lbf/in ² (110 kPa) Perpendicular | II-205 P10726 | |
| Dimensional Stat | pility | ASTM D2126 | +/- 5% | II-605 P10762 | |
| Tack-Free/Expan | ision Time | Tack-Free/Expansion Time | 30-60 seconds | | |
| And the second second second second second | | | | | |

A16505 ICP Building Solutions Group Rev 12/2018-24

| Fire Rating | | FMVSS 30 | 2/ CMVSS 302 |
|-----------------------------------|---------------------------------------|---|---------------------------------|
| APPROVALS/STANDA | RDS/CLASSIFICA | TIONS | |
| ESR- 2717 | Conforms to the | requirements of AC 3 | 177 |
| CCMC #13455-L | Conforms to the | requirements of CAN | /ULC S711.01 |
| NFPA 286 | Testing for use i thickness x 6" w | n roof/wall junctions ide with unlimited len | and attic/wall gth without a |
| NFPA 286-Modified | Tested with No crawlspace appl | Burn Plus XD Ignition ications when certain | Barrier. Can qualifying con |
| ULe GREENGUARD | Gold Certificatio | n | |
| EMPERATURE GUIDEL | INES | | |
| Chemical Storage Ter | nperature | Optimum 75-85°F | (24-29°C) but |
| Outside Application T | emperature | 40-100°F (4-38°C) | |
| Process Core Chemica | al Temperature | 75-85°F (24-29°C) | |
| Surface Temperature | (Substrate) | 40-100°F (4-38°C) | |
| Cured Foam | | -200°F to +240°F (| 129°C to +116 |
| (IELD ¹ (1.75 Density) | | | |
| | Weight (Including packaging) | Board Feet | Cubic Fe |

105 (9.8 m²)

205 (19 m²)

605 (56.2 m²)

3000

ERO

ADHI

(ield is based on free-rise density, We state our core density/free-rise density insities due to packing effects. These higher densities may result in lower yie

A16505 ICP Building Solutions Group Rev. 12/2018-24

| Color | Dark blue | |
|---|---------------------|--|
| Application Temperature | From 15 °F (-10 | °C) |
| Attribute | Norm | Value |
| Surface weight | EN 1849-2 | 240 g/m ² ; 0.79 oz/ft ² |
| Thickness | EN 1849-2 | 0.70 mm ; 28 mils |
| Vapor permeance | E96 EN ISO 12572 | 8 perms 11 perms |
| Fire behavior | ASTM E84 | Class A (FS:10 - SDI: 15) |
| Maximum recommended UV Exposure time | | Climate Zone 4-8: 4 months on roofs, 6 months on walls Climate Zone 1-3: 3 months on roofs, 4 months on walls |
| Weather protection for mass timber | | See ADHERO VISTO |
| Water Column | EN 20811 | > 32' 10" (10 m) |
| Water Resistance | E331 | Passed 2 hours a 300pa (6.24PSF) |
| Airtightness | ASTM E2357 | 0.0009 CFM/ft2 penetrated wall |
| Tensile strength | EN 12311-1 | 250 N/5 cm / 200 N/5 cm ; 29 lb/in / 23 lb/in |
| Nail tear resistance MD/CD | EN 12310-1 | >45 lbf / >34 lbf ; >200 N / >150 N (depending on substrate) |
| Self sealing around nails / peel adhesion / weathering/thermal | AMAA 711 | Passed / passed on several substrates / passed |
| Durability | EN 1297 EN 1296 | Passed artificial ageing at 212 °F (100 °C) |

300 DHERO 1

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| IBC - 1403.2 IRC - R703.1 | Complies per ASTM E331 for 2 hours at 6.24PSF |
|------------------------------|---|
| IBC - 1404.2 IRC - R703 | Passed AC38 testing as approved material |
| NBC 2015 5.4.1 | Passed air leakage <0.02 L/(s·m²) @75 Pa (ASTM E2178) |
| NBC 2015 9.36.2.9 (c) | Passed air leakage <0.2 L/(s·m²) @75 Pa (ASTM E2357) |
| NBC 2020 9.27.3.2 | CAN/CGSB 51.32M (Sheathing membrane): passed |
| NBC 2020 9.26.2 | CAN/CGSB 51.32M (Sheathing membrane): passed |

Page 1 of 3

APPLICATION & SUBSTRATES

475 High Performance Building Supply

The ADHERO 3000 membrane is adhered directly to the exterior wall/roof (plywood, OSB, exterior gypsum, concrete etc) and creates a lasting bond by pressurizing the adhesive with a PRESSFIX. Overlaps of at least 6" (15 cm) are recommended on vertical and horizontal joints guides are printed on the membrane. For durable bonds the substrate should be stable, dry, smooth and free of dust, silicones and grease. It can not adhere to frozen substrates. The installer is responsible for checking the suitability of the substrate. When in doubt an adhesion test is recommended. To connect to rough/uneven substrates, CONTEGA HF adhesive is recommended.

After membrane is applied cover with rainscreen/roof battens or exterior insulation as soon as possible. Please note: watertight and airtight seals can only be achieved on WRB membranes that have been laid without folds or creases and are correctly pressurized on properly prepared substrates. Certain exterior gypsum boards with factory applied water repellent coating require pre-treatment with a primer to increase adhesion for field verification. Please contact technical@475.supply for assistance.

For wood fiberboard (GUTEX etc) use Pro Clima TESCON Primer RP at top 8" (200mm) release paper strips. Pretreatment with TESCON Primer RP is necessary in the case of rough or porous surfaces such as wood fiber board insulation, rough/oily OSB, or substrates with insufficient stability (CMU, masonry and concrete). When in doubt, verify adhesion with an adhesion test.

email: info@475.supply phone: 800-995-6329 website (US/CAN): www.475.supply



| HandiFoam® E84 Class 1(A) Spr ASTM D1623 OSB 20 lhf/in2 (137 kPa) | ray Foam | |
|--|--|--------------------------------------|
| CMU 25 lbf/in2 (172 kPa) Steel 22 lbf/in2 (152 kPa) 2-5 minutes ASTM G21 No Growth | | 4212 W BURBA P: 949.2 WWW a |
| ASTM E96 1.67 (100 ng/(m ² ·Pa·s))- Class III Vapo 1.44 (82 ng/(m ² ·Pa·s))- Class III Vapo 1.00 (57 ng/(m ² ·Pa·s))- Class III Vapor | or Retarder ır Retarder r Retarder | |
| ASTM E84 Flame Spread Index 20 Smoke Developed 400 CAN/ULC S102 Flame Spread Index 9 Smoke Developed 43 | | |
| FMVSS 302/ CMVSS 302 Meets/ Burn Rate 0/00 min ments of AC 377 | | |
| ments of CAN/ULC S711.01 wall junctions and attic/wall penetrations at 2" unlimited length without a thermal barrier. s XD Ignition Barrier. Can be used in attic and when certain qualifying conditions are met. | UARD Horod Ministeres | |
| im 75-85°F (24-29°C) but not <60°F (16°C) or >90°F (32°C) °F (4-38°C) | _ | |
| F (24-29°C) °F (4-38°C) to +240°F (129°C to +116°C) | | |
| ard Feet Cubic Feet Linear Feet Linear | Feet | SEAL |
| 105 8.75 ft ³ 1603 at 1 inch bead 400 at 2 in 9.8 m ²) (.25 m ³) 205 17 ft ³ 3132 at 1 inch bead 783 at 2 in 19 m ²) (.48 m ³) 205 10 ft ³ 205 10 ft ³ | nch bead | |
| 605 50 ft ³ 9236 at 1 inch bead 2309 at 2 i 6.2 m ²) (1.42 m ³) - -rise density when describing the foam. Applying foam into a cavity may result in higher in lower yields. | In-place | |
| 910-24 Pd | ige 2 or 3 | |
| | | |
| GENERAL CONDITIONS Use the full Pro Clima airtightness system to qualify for a Poof Underlayment: ADHERO 3000 can be used on roof p | 10 year comprehensive warranty. | PROJE |
| wonolithic TEEE layer, and as a long term roof underlaymer valleys and junctions. | ent with properly sealed penetrations, | |
| Clay tile roof below 14° require NAIDECK down to 2 Standing seam metal roofs do not require NAIDECK Standing seam metal roofs require NAIDECK dowr Corrupted metal roofs require NAIDECK and primed | 2:12 (9.5°) :K down to 2:12 (9.5°) n to 1:12 (4.8°) | |
| Corrugated metal roors with NAIDECK and primed down to 2:12 (9.5°). Gasketed screws must be use not screw in the valley Corrugated metal roofs with NAIDECK and primed | i overlaps using TESCON PRIMER RP | |
| down to 1:12 (4.8°) in CZ 2B, 3B, and 4B. Gasketed the metal roof. Do not screw in the valley Temporary weather protection for roofs: | I screws must be used in the ridge of | CLIENT |
| ADHERO can be used to protect roofs of buildings against They are not recommended as temporary roofing over occ application errors, unnoticed punctures, heavy wind/rain c Clima and 475 High Performance Building Supply are not | t precipitation during construction. cupied/finished spaces as leaks from can force water into enclosure. Pro responsible for damages occurring | |
| as a result of water getting behind ADHERO membranes. I precipitation from entering the enclosure, we recommend your roof waterproof until the final roof is installed. | If it is required to prevent all additional measures (tarps) to keep | ISSUEI MARI |
| Tested for hazardous Substances according to ISO 160000 | Declare. | |
| For healthier indoor air Bis the area with the second seco | SOLITEX ADHERO 1000 / 3000 SOLITEX EXTASANA ADHERO MDI Baudohologiche Produktik GhbH Tela Auertage Strategicane, faile Algebraic Batheron Markaneter (Strategicane), faile Algebraic Batheron Markaneter (Strategicaneter), faile Algeb | |
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| | And General Schemen (Chemen Conversion) Hit Press And France Schemen (Chemen Conversion) Hit Press And France Schemen (Chemen Conversion) Conversion (Cheme | |
| | Internance Anternance et al. All and a | |
| 75 High Performance Building Supply mail: info@475.supply_phone: 800-995-6329 website (US/C | CAN): www.475.supply 4 | |
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| | | SHEET |
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| ALI JABER ARCHITECT |
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| 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 WWW.alijaberarch.com |
| CENSED ARCH CONTROL ARCH CONTROL ARCH CONTROL ARCH CONTROL ARCH CONTROL CONTRO |
| SEAL |
| DATE: 06/19/2024 |
| 1285 W. EDMUNDSON MORGAN HILL, CA 95037 |
| CLIENT TREVAR & CAMILA SHYSHKA |
| ISSUED MARK DATE DESCRIPTION |
| ΤΠ Ε |
| TITLE SPECIFICATIONS |
| SHEET A-007 |



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| IMPERVIOUS AREA CAL TOTAL BUILDING AREA: 4,469 SF COVERED PORCH: 150 SF REAR PATIO: 1,012 SF (E) ACCESSORY STRUCTURES = 3,335 SF DRIVEWAY & APPROACH = 3,450 SF SITE COVERAGE = 31.7% IMPERVIOUS DRIVEWAY FRONT COVERAGE - 24% | C. A PARCHILECI 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 WWW.alijaberarch.com |
|---|--|
| SHEET KEYNOTES 41 GAS METER | CLASED ARCHI LUNI JABER C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * CALLFOR |
| 44 AC CONDENSING UNIT, FINAL LOCATION TBD OWNER | BYSEAL |
| 45 ELECTRICAL MAIN 200 AMP PANEL, FINAL LOCATION TBD BY OWNER | JLAL |
| 52 EXTEND AND RE-CONFIGURE (E) GAS LINE CONNECTION, AND CONNECT TO RELOCATED METER PER COUNTY STANDARDS AND CODE | D GAS S |
| 60 EXTEND AND RE-CONFIGURE (E) WATER WEL CONNECTION. CONTRACTOR TO COORDNIAT WITH (E) CONDITIONS IN THE FIELD PER COU STANDARDS AND CODE. | L LINE E NTY |
| 64 EXTEND (E) UNDERGROUND POWER SERVICE FROM (E) POWER POLE TO (N) PANEL AT HOU ACCORDANCE WITH PG&E STANDARDS AND | DATE: 06/19/2024 |
| 65 STORMWATER DOWNSPOUT. FINAL LOCATIO BY OWNER, DRAIN AWAY FROM FOUNDATION | |
| 66 5K GALLON STEEL WATER STORAGE TANK. F | 1285 W. EDMUNDSON INAL MORGAN HILL, CA 95037 |
| 67 HOSE BIB, FINAL LOCATION TBS BY OWNER | CLIENT |
| | TREVAR & CAMILA SHYSHKA |
| | ISSUED MARK DATE DESCRIPTION |
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| | TITLE |
| | SITE PLAN |
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| | A-100 |
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FLOOR PLAN LEGEND

| | PARTITION TYPE INDICATOR |
|-------------------|--|
| 10 | WINDOW OR LOUVER IDENTIFIER |
| 22 | KEYNOTE INDICATOR |
| 234 | FURNITURE, FIXTURE & EQUIPMENT INDICATOR |
| 11) | SIGNAGE INDICATOR |
| DIA | DOOR OPENING IDENTIFIER |
| LAN DRTH | PLAN NORTH & TRUE NORTH INDICATOR |
| \Diamond | OUTLET |
| GFCI | GFCI - A.C (ABOVE COUNTER), WEATHER PROTECT (WP) |
| \oplus | QUAD OUTLET |
| \$ | SWITCH |
| | (N) DOOR |
| | DOOR TO BE DEMOLISHED |
| | (E) DOOR |
| | |
| LL ASSEMBLY LEGEN | ID |
| | NEW EXTERIOR WALL OF 2X @ 16" O.C. WOOD STUDS W/ 1 LAYER OF 5/8 GYP.BD. ON THE INSIDE AND STUCCO ON THE OUTSIDE |
| | |

NEW INTERIOR WALL OF 2X @ 16" O.C. WOOD STUDS W/ 1 LAYER OF 5/8 GYP.BD. ON BOTH SIDES

ALL WALLS ARE EXISITING TO REMAIN, UNLESS NOTED OTHERWISE ON PLANS OR ELEVATIONS. 1 HOUR RATING, TYP"X" GYP BD REQUIRED WHEN ASJACENT TO GARAGE

SHEET KEYNOTES

| 3 | 2X6 COMPOSITE DECKING, TO COMPLY W/ R507.1 | 33 |
|----|---|----------|
| 5 | OUTDOOR BBQ, CONTRACTOR TO PROVIDE GAS, ELECTRICAL AND PLUBMING CONNECTIONS | 34 |
| 9 | PROVIDE 2X8 FRAMING | 35 |
| 12 | 6" CONCRETE STEP | |
| 21 | TILED SHOWER,CONTRACTOR TO PROVIDE HOOKUPS AS REQ'D BY CODE. FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REUQUIRED FOR GLASS DOOR | 36 |
| 22 | FREE STANDING TUB TBS BY OWNER | |
| 23 | VANITY SINK TBS BY OWNER | 38 |
| 24 | TUB AND SHOWER COMBO, CONTRACTOR TO PROVIDE HOOKUPS AS REQ'D | 40 41 |
| 25 | GAS RANGETOP W/HOOD, CONTRACTOR TO PROVIDE HOOKUPS AS REQ'D | 42 |
| 26 | COUNTERTOP AND BACKSPLASH TBS BY OWNER | 44 |
| 29 | WOOD SHELVING. COLOR, FINISH AND PLACEMENT TBS BY OWNER | 46 |
| 30 | BASE/UPPER CABINETS TBS BY OWNER | 47 |
| 31 | KITCHEN SINK TBS BY OWNER, CONTRACTOR TO PROVIDE PLUMBING HOOKUPS AS REQ'D | 55 |
| 32 | REFRIGERATOR, CONTRACTOR TO PROVIDE ELECTRICAL AND WATER HOOKUPS AS REQ'D | 58 |
| | | |

SHEET KEYNOTES

- 3 DISHWASHER, CONTRACTOR TO PROVIDE ELECTRICAL AND WATER HOOKUPS AS REQ'D
- TOILET AND VENT ABOVE.
- WASHER, CONTRACTOR TO PROVIDE ELECTRICAL AND WATER HOOKUPS AS REQ'D
- DRYER, CONTRACTOR TO PROVIDE ELECTRICAL AND GAS HOOKUPS AS REQ'D. VENT DIRECTLY OUTSIDE
- UTILITY SINK TBS BY OWNER, CONTRACTOR TO PROVIDE PLUMBING HOOKUPS AS REQ'D
- 38 TALL CABINET TBS BY OWNER
- 40 200 AMP ELECTRICAL METER
- GAS METER
- WATER HEATER PER TITLE 24 SPECIFICATIONS
- AC CONDENSING UNIT, FINAL LOCATION TBD BY OWNER
- ELECTRICAL 100 AMP SUBPANEL, LOCATION TO BE CONFIRMED BY OWNER
- DOG WASH, CONTRACTOR TO PROVIDE PLUMBING HOOKUPS AS REQ'D
- 18X24 CRAWLSPACE ACCESS, OWNER TO CONFIRM FINAL LOCATION W/ CONTRACTOR
- CUSTOM HIDDEN DOOR/SHELVING COMBO, STYLE AND FINISH TBS BY OWNER

| ALIJABER ARCHITECT 4212 W.BURBANK BLVD BURBANK, CA 91505 |
|---|
| WWW.alijaberarch.com |
| SEAL |
| DATE: 06/19/2024 |
| SHYSHKA RESIDENCE |
| 1285 W. EDMUNDSON MORGAN HILL, CA 95037 CLIENT |
| |
| TREVAR & CAMILA SHYSHKA |
| ISSUED |
| TREVAR & CAMILA SHYSHKA ISSUED MARK DATE DESCRIPTION |
| ISSUED DESCRIPTION |
| TREVAR & CAMILA SHYSHKA |

A-101



CEILING LEGEND



59 EXPOSED BEAM, FINISH AND WRAP TBS BY OWNER

62 SKYLIGHT REFER TO ROOF PLAN FOR SIZE , SPECIFICATIONS PER TITLE 24. MODEL TBS BY OWNER

| | 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 WWW.alijaberarch.com |
|---|---|
| | CENSED ARCHITE CENSED ARCHITE JABEP C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * |
| | SEAL |
| _ | PROJECT SHYSHKA RESIDENCE |
| - | 1285 W. EDMUNDSON MORGAN HILL, CA 95037 |
| | CLIENT TREVAR & CAMILA SHYSHKA |
| | ISSUED MARK DATE DESCRIPTION |
| | TITLE 1ST FLOOR CEILING PLAN |



CEILING LEGEND

| ALI JABER ARCHITECT |
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| 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 WWW.alijaberarch.com |
| CENSED ARCHI CENSED ARCHI ALIJABER C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C38901 * C |
| SEAL |
| DATE: 06/19/2024 PROJECT SHYSHKA RESIDENCE |
| 1285 W. EDMUNDSON MORGAN HILL, CA 95037 |
| CLIENT TREVAR & CAMILA SHYSHKA |
| ISSUED MARK DATE DESCRIPTION |
| |
| TIT |
| TITLE 1ST FLOOR POWER PLAN |

SHEET KEYNOTES

- 8 TRIM, FINISH TBS BY OWNER
- 11 CLASS (A) COMPOSITE ROOF, FINISH TBS BY OWNER. INSTALL PER MFR REQUIREMENTS
- 18 EXTERIOR WALL STONE FINISH, SEE A-501 FOR TYPICAL DETAILS. FINISHES TBS BY OWNER
- 19 EXTERIOR WALL STUCCO FINISH, SEE A-501 FOR TYPICAL DETAILS. FINISHES TBS BY OWNER
- 20 EXTERIOR WALL WOOD SIDING FINISH, SEE A-501 FOR TYPICAL DETAILS. FINISHES TBS BY OWNER
- 56 6X16 CRAWLSPACE VENTILATION VENTS, VENTS SHALL BE CORROSIVE RESISTANT WIRE MESHW/ 1/8" MIN AND 1/4" MAX OPENINGS TYP. CLASS A MATERIAL

ALI JABER ARCHITECT

| 4212 W.BURBANK BLVD BURBANK, CA 91505 |
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| P: 949.264.3320 WWW.alijaberarch.com |
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| NSED ARCANS |
| $\star (C38901) \star$ |
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| SHYSHKA RESIDENCE |
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| MORGAN HILL, CA 95037 |
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| TITLE |
| EXTERIOR |
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| SHEET |
| A-200 |
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| ALI JABER ARCHITECT |
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| 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 WWW.alijaberarch.com |
| CENSED ARCAIL ALI JABER COMPLIABER |
| SEAL |
| DATE: 06/19/2024 |
| 1285 W. EDMUNDSON MORGAN HILL, CA 95037 |
| CLIENT TREVAR & CAMILA SHYSHKA |
| ISSUED MARK DATE DESCRIPTION |
| |
| TITLE INTERIOR ELEVATIONS |
| sheet A-202 |

SCALE 1/4" = 1'-0"

AND TAPE EDGES.

X FLASHING

FLASHING REQUIREMENTS NTS

○SHEET KEYNOTES

| ALI JABER ARCHITECT |
|--|
| 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 WWW.alijaberarch.com |
| C38901 |
| SEAL |
| DATE: 06/19/2024 |
| SHYSHKA RESIDENCE |
| 1285 W. EDMUNDSON MORGAN HILL, CA 95037 |
| CLIENT TREVAR & CAMILA SHYSHKA |
| ISSUED MARK DATE DESCRIPTION |
| TITLE BUILDING SECTIONS |
| SHEET A-501 |

| | | | | | | | | | | | GAS: | NATURA | 4. | |
|---------------|-------|-------|-------|-------|-------|--------|-------|-----------|-----------------------------------|-----------|---------|---------------------------------|---------|--------|
| | | | | | | | | | INLET PRESSURE: PRESSURE DROP: | | | LESS THAN 2 psi 0.5 in. w.c. | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | s | PECIFIC G | RAVITY: | : 0.60 | | |
| 10 | | 1000 | 10.5 | | 21.15 | | PI | PE SIZE (| inch) | | | | | |
| NOMINAL: | 1/2 | 3/4 | 1 | 11/4 | 11/2 | 2 | 21/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
| ACTUAL ID: | 0.622 | 0.824 | 1.049 | 1.380 | 1.610 | 2.067 | 2.469 | 3.068 | 4.026 | 5,047 | 6.065 | 7.981 | 10.020 | 11.93 |
| LENGTH (feet) | | | | 1 | 17.1 | CAPACI | IN CU | BIC FEET | OF GAS | PER HOU | R | | | |
| 10 | 172 | 360 | 678 | 1390 | 2090 | 4020 | 6400 | 11 300 | 23 100 | 41 800 | 67 600 | 139 000 | 252 000 | 399 00 |
| 20 | 118 | 247 | 466 | 957 | 1430 | 2760 | 4400 | 7780 | 15 900 | 28 700 | 46 500 | 95 500 | 173 000 | 275 00 |
| 30 | 95 | 199 | 374 | 768 | 1150 | 2220 | 3530 | 6250 | 12 700 | 23 000 | 37 300 | 76 700 | 139 000 | 220 00 |
| 40 | 81 | 170 | 320 | 657 | 985 | 1900 | 3020 | 5350 | 10 900 | 19 700 | 31 900 | 65 600 | 119 000 | 189.00 |
| 50 | 72 | 151 | 284 | 583 | 873 | 1680 | 2680 | 4740 | 9660 | 17 500 | 28 300 | 58 200 | 105 000 | 167.00 |
| 60 | 65 | 137 | 257 | 528 | 791 | 1520 | 2430 | 4290 | 8760 | 15 800 | 25 600 | 52 700 | 95 700 | 152.00 |
| 70 | 60 | 126 | 237 | 486 | 728 | 1400 | 2290 | 3950 | 8050 | 14 600 | 23 600 | 48 500 | 88 100 | 139-00 |
| 80 | 56 | 117 | 220 | 452 | 677 | 1300 | 2080 | 3670 | 7490 | 13 600 | 22 000 | 45 100 | 81 900 | 130.0 |
| 90 | 52 | 110 | 207 | 424 | 635 | 1220 | 1950 | 3450 | 7030 | 12 700 | 20 500 | 42 300 | 76 900 | 122.00 |
| 100 | 50 | 104 | 195 | 400 | 600 | 1160 | 1840 | 3260 | 6640 | 12 000 | 19 500 | 40 000 | 72 600 | 115.0 |
| 125 | 44 | 92 | 173 | 355 | 532 | 1020 | 1630 | 2890 | 5890 | 10 600 | 17 200 | 35 400 | 64.300 | 102.00 |
| 150 | 40 | 83 | 157 | 322 | 482 | 928 | 1480 | 2610 | 5330 | 9650 | 15 600 | 32 100 | 58 300 | 92.30 |
| 175 | 37 | 77 | 144 | 296 | 443 | 854 | 1360 | 2410 | 4910 | 8880 | 14 400 | 29 500 | 53 600 | 84.90 |
| 200 | 34 | 71 | 134 | 275 | 412 | 794 | 1270 | 2240 | 4560 | 8260 | 13 400 | 27 500 | 49 900 | 79 00 |

GAS NOTES:

GAS SERVICE FROM (E) GAS METER SERVING TO APPLIANCES FROM GAS METER TO ÁPPLIANCE SHUT-OFF VALVE: 1. SIZING BASED ON CORRUGATED STAINLESS STEEL TUBING CPC 2019 TABLE 1215.1.3

2.SYSTEM PRESSURE: LESS THAN 2 PSI. 3.MAXIMUM LENGTH OF RUN: NOT TO EXCEED 150 FEET OF LENGTH FROM GAS METER TO FURNACE IN THE ATTIC. CONTRACTOR TO FIELD VERIFY THE EXACT LENGTH OF PIPE RUN UP TO FURNACE AND IF FOUND THE MAXIMUM TOTAL DEVELOPED LENGTH INCLUDING FITTING PRESSURE LOSSES EXCEEDS 150 FEET, NOTIFY ENGINEER.

4.MAXIMUM PRESSURE DROP: NOT TO EXCEED 0.5 INCHES OF WC. NOTE:

1. PROVIDE REDUCER FOR EQUIPMENT CONNECTION AS REQUIRED. 2. GAS PIPING EXPOSED TO WEATHER CONDITION (FREEZING) SHALL BE INSTALLED TO COMPLY CPC 1210.1.4

| ALI JABER ARCHITECT |
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| SEAL |
| DATE: 06/19/2024 |
| SHYSHKA RESIDENCE |
| 1285 W. EDMUNDSON MORGAN HILL, CA 95037 |
| CLIENT TREVAR & CAMILA SHYSHKA |
| ISSUED MARK DATE DESCRIPTION |
| TITLE |
| TYPICAL DETAILS |
| SHEET A-502 |

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WINDOW SCHEDULE

| IDTHHEIGHTSill HeightMATLCOMMENTS44.0°5-0°2-8°ALUMSLIDING WINDOW, FINISH AND STYLE TBS BY OWNER44.0°5-0°2-8°ALUMSLIDING WINDOW, FINISH AND STYLE TBS BY OWNER5-0°2-10°ALUMSLIDING WINDOW, FINISH AND STYLE TBS BY OWNER5-10°6-0°2-10°ALUMSLIDING WINDOW, FINISH AND STYLE TBS BY OWNER5-10°6-0°2-10°ALUMSLIDING WINDOW, FINISH AND STYLE TBS BY OWNER5-10°6-0°2-1114"ALUMSLIDING WINDOW, FINISH AND STYLE TBS BY OWNER2-8°8-0°0°ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER2-8°8-0°0°ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER TEMPERED GLASS REQUIRED5-0°3-0°6-0°ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER TEMPERED GLASS REQUIRED5-0°3-0°5-6°ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER TEMPERED GLASS REQUIRED8-0°0°ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER TEMPERED GLASS REQUIRED8-0°0°ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER TEMPERED GLASS REQUIRED4-0°2-0°6-2°ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER TEMPERED GLASS REQUIRED2-6°8-0°0°ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER TEMPERED GLASS REQUIRED2-6°8-0°0°ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER TEMPERED GLASS REQUIRED2-6°8-0°0°ALUMPICTURE WINDOW, | SI | ZE | | | |
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| 8-0"3-0"5-6"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3-0"3-0"5-6"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER.2-6"8-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER.2-6"8-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2-6"8-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2-6"8-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2-6"8-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3-10"9-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3-10"9-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3-10"9-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3-10"3-0"13-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3-10"3-0"13-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3-10"3-0"13-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3-10"3-0"13-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3-10"3-0"13-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRE | 3'-0" | 3'-0" | 5'-6" | ALUM | PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED |
| 3'-0"3'-0"6'-6"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED4'-0"2'-0"6'-2"ALUMAWNING WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"8'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"8'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"8'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0" | 8'-0" | 3'-0" | 5'-6" | ALUM | PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED |
| 4'-0"2'-0"6'-2"ALUMAWINIG WINDOW, FINISH AND STYLE TBS BY OWNER2'-6"8'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"8'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED10'-0"4'-6"3'-6"ALUMBI-FOLD THREE PANEL WINDOW. FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUM <td>3'-0"</td> <td>3'-0"</td> <td>5'-6"</td> <td>ALUM</td> <td>PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED</td> | 3'-0" | 3'-0" | 5'-6" | ALUM | PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED |
| 2'-6"8'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"8'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0" <td>4'-0"</td> <td>2'-0"</td> <td>6'-2"</td> <td>ALUM</td> <td>AWNING WINDOW, FINISH AND STYLE TBS BY OWNER</td> | 4'-0" | 2'-0" | 6'-2" | ALUM | AWNING WINDOW, FINISH AND STYLE TBS BY OWNER |
| 2'-6"8'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED10'-0"4'-6"3'-6"ALUMBI-FOLD THREE PANEL WINDOW. FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6 | 2'-6" | 8'-0" | 0" | ALUM | PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED |
| 10'-0"4'-6"3'-6"ALUMBI-FOLD THREE PANEL WINDOW. FINISH AND STYLE TBS BY OWNER, TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2' | 2'-6" | 8'-0" | 0" | ALUM | PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED |
| 9-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0" <tda< td=""><td>10'-0"</td><td>4'-6"</td><td>3'-6"</td><td>ALUM</td><td>BI-FOLD THREE PANEL WINDOW. FINISH AND STYLE TBS BY OWNER, TEMPERED GLASS REQUIRED</td></tda<> | 10'-0" | 4'-6" | 3'-6" | ALUM | BI-FOLD THREE PANEL WINDOW. FINISH AND STYLE TBS BY OWNER, TEMPERED GLASS REQUIRED |
| 9-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0" <t< td=""><td>3'-10"</td><td>9'-0"</td><td>0"</td><td>ALUM</td><td>PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED</td></t<> | 3'-10" | 9'-0" | 0" | ALUM | PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED |
| 8-10"9-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMBI-FOLD THREE PANEL WINDOW. FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10" </td <td>3'-10"</td> <td>9'-0"</td> <td>0"</td> <td>ALUM</td> <td>PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED</td> | 3'-10" | 9'-0" | 0" | ALUM | PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED |
| 9'-0"0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMBI-FOLD THREE PANEL WINDOW. FINISH AND STYLE TBS BY OWNER, TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED5'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-10"3'-0" <td>3'-10"</td> <td>9'-0"</td> <td>0"</td> <td>ALUM</td> <td>PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED</td> | 3'-10" | 9'-0" | 0" | ALUM | PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED |
| 3'-0"13'-0"ALUMBI-FOLD THREE PANEL WINDOW. FINISH AND STYLE TBS BY OWNER, TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED5'-10"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"2'-6"9'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED2'-6"3'-0"13'-0"ALUMPICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED3'-10"3'-0" </td <td>3'-10"</td> <td>9'-0"</td> <td>0"</td> <td>ALUM</td> <td>PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED</td> | 3'-10" | 9'-0" | 0" | ALUM | PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED |
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| | 3'-10" | 3'-0" | 13'-0" | ALUM | PICTURE WINDOW, FINISH AND STYLE TBS BY OWNER. TEMPERED GLASS REQUIRED |

EXTERIOR WINDOWS, GLAZING IN DOORS: DETAIL/SPECIFY ON THE PLANS THAT ALL (INCLUDING GARAGES) GLAZING IS INSULATED GLASS WITH A MINIMUM OF ONE-TEMPERED PANE OF GLASS MEETING THE REQUIREMENTS OF CBC SECTION 2406 OR GLASS BLOCK OR BE 20MINUTE RATED TESTED IN ACCORDANCE WITH NFPA 257OR LISTED UNDER SFM 12-7A-2.

HEADER, SEE STRUCTURAL

STUCCO FINISH, REFER TO

EXTERIOR FOLDING DOOR JAMB DETAIL

STUCCO FINISH, REFER TO WALL DETAIL -

SCALE 6" = 1'-0"

6

SCALE 3" = 1'-0"

| | COVER VALVE BODIES WITH INSULATION, BUT NOT UNIONS | ALIJABER ARCHITECT 4212 W.BURBANK BLVD BURBANK, CA 91505 P: 949.264.3320 |
|---|--|---|
| DENSATE N LINE W/ CENTRIC COPPER N IBLE INECTION | Image: And Content of the content o | WWW.alijaberarch.com |
| SCALE | COLD/HOT WATER PIPING AND CONDENSATE DRAIN PIPE REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING INSULATION INSTALL ALL ITEMS PER SPECIFICATIONS AND MANUFACTURERS INSTRUCTIONS MAINTAIN VAPOR BARRIER ON COLD PIPING BY MEANS OF SEALANT AND TAPE FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES SHALL NOT EXCEED 25/50 SEAL EXPOSED ENDS OF FIBERGLASS INSULATION WITH ADHESIVE MASTIC | |
| ALL-THREAD ROD LENGTH AS REQ'D FOR PIPE SLOPE STRUT LE FOR ALL ", VERIFY NG HANGERS. DO NOT INSTALL DO NOT INSTALL DO NOT INSTALL ON HANG ONE "O", "=0'-0"; DO NOT INSTALL ON HANGERS. DO NOT INSTALL DO NOT HANG ONE """""""""""""""""""""""""""""""""""" | Textile of Water lisiter Textile water connections Textible gas connection Textible gas conne | DATE: 06/19/2024 PROJECT SHYSHKA RESIDENCE L285 W. EDMUNDSON MORGAN HILL, CA 95037 CLIENT TREVAR & CAMILA SHYSHKA ISSUED MARK DATE DESCRIPTION TTUE PLUMBING DETAILS SHEET A-5005 |
| | | |

STRUCTURAL WOOD

GENERAL

- A. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2022 EDITION OF THE
- CALIFORNIA BUILDING CODE AND STANDARDS AND ALL PUBLICATIONS NOTED HEREIN. B. DETAILS SHOWN ON THE STRUCTURAL DRAWINGS ARE TYPICAL AND SIMILAR. DETAILS APPLY TO SIMILAR CONDITIONS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- C. DIMENSIONS SHOWN SHALL TAKE PRECEDENCE OVER SCALE ON PLANS AND DETAILS. ANY
- DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. D. THE REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL COMPLIANCE WITH
- THE DRAWINGS AND SPECIFICATIONS.
- ALL DETAIL CHANGES DESIRED SHALL BE SUBMITTED TO THE ENGINEER IN WRITING. SHOP DRAWINGS DO NOT CONSTITUTE CHANGES IN WRITING. ALONG WITH A LETTER, THE SHOP DRAWINGS SHALL SHOW ALL PROPOSED CHANGES.
- F. COORDINATE STRUCTURAL DRAWINGS WITH EQUIPMENT DRAWINGS FOR CONSTRUCTION DETAILS. G. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS & SITE
- CONDITIONS PRIOR TO THE START OF CONSTRUCTION & NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES THAT ARE FOUND. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS--DO NOT SCALE DRAWINGS. H. IF CONTRACTOR FINDS ANY DISCREPANCY IN STRUCTURAL DRAWINGS, CONTRACTOR
- SHALL NOTIFY EOR OF THE SAME PRIOR TO CONSTRUCTION

STRUCTURAL DESIGN CRITERIA

| ROOF LOAD: (ROOF TRUSSES) | 00 | DOF |
|---------------------------|------------------------|-------------------------|
| LIVE LOAD | 20 | PSF |
| DEAD LOAD | 20 | PSF |
| ROOF LOAD: (ROOF RAFTERS) | | |
| LIVE LOAD | 20 | PSF |
| DEAD LOAD | 15 | PSF |
| FIRST FLOOR LOAD: | | |
| LIVE LOAD | 40 | PSF |
| DEAD LOAD | 15 | PSF |
| DEFLECTION FACTOR | L/360 FOR L/240 FOR | LIVE LOAD TOTAL LOAD |

WIND VALUES

A.ULTIMATE DESIGN WIND SPEED, VULT AND NOMINAL DESIGN WIND SPEED VASD : 92 MPH

- **B.RISK CATEGORY : II** C.WIND EXPOSURE : B
- D.APPLICABLE INTERNAL PRESSURE COEFFICIENT .:--

LATERAL LOADS

SEISMIC VALUES:

LATITUDE=+37.104918° NORTH. LONGITUDE= -121.663401° WEST Ss=1.5g S1=0.6g IMPORTANCE FACTOR, I=1.0, OCCUPANCY CATEGORY II, SITE CLASS D SDs =1.2g SD1 =0.68g SEISMIC DESIGN CATEGORY (SDC) = D R =6.5 (LIGHT FRAME BEARING WALLS WITH WOOD PANELS) Ω° = 2.5 REDUNDANCY FACTOR = 1.3

SEISMIC RESPONSE COEFFICIENT: C_S = 0.24 W (LRFD), 0.171 W (ASD) BASE SHEAR: 32227 LB

FOUNDATION

- 1. A SOILS REPORT WAS PROVIDED FOR THIS PROJECT BY "SILICON VALLEY SOIL ENGINEERING 1916 O'TOOLE WAY, SAN JOSE" REPORT SV2755, DATED 3/24/24, THEREFORE THE FOUNDATION WILL BE BASED ON RECOMMENDATIONS ON THE PROJECT GEOTECHNICAL ENGINEER.
- 2. MAXIMUM SOIL PRESSURE: 2,500 PSF FOR DEAD LOAD PLUS LIVE LOADS. THE ALLOWABLE BEARING PRESSURE MAY BE INCREASED BY ONE THIRD WHEN CONSIDERING LOADING OF SHORT DURATION SUCH AS WIND OR SEISMIC FORCES.
- 3. FOOTING SHALL EXTEND A MINIMUM DEPTH OF 1'-6" BELOW FINISHED GRADE AND 1'-0" INCHES IN WIDTH SHALL BEAR ENTIRELY ON PROPERLY COMPACTED SOILS OR NATIVE SOILS.
- 4. SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH SECTIONS 1704, 1707 AND 1708 OF THE CALIFORNIA BUILDING CODE AND THE "STATEMENT OF SPECIAL INSPECTIONS" ON THESE CONSTRUCTION DOCUMENTS.
- 5. ANCHOR BOLTS, DOWELS AND HOLDOWN ANCHORS SHALL BE TIED IN PLACE PRIOR TO FOUNDATION INSPECTION
- 6. SLABS ON GRADE THAT RESTRAIN THE BOTTOM OF RETAINING WALLS SHALL BE IN PLACE PRIOR TO BACKFILLING OF THE WALLS.
- 7. MINIMUM FOOTING REINFORCEMENT SHOULD CONSIST OF A MINIMUM OF (4) #5 REINFORCING BARS TWO INSTALLED NEAR THE TOP AND TWO NEAR THE BOTTOM OF THE FOOTING.

EPOXY ADHESIVES

- 1. TYPE: SIMPSON SET-3G, ESR-4057 OR APPROVED EQUAL. 2. EPOXY ANCHORED EMBEDMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE REQUIREMENTS OF THE APPLICABLE ICC REPORT.
- EPOXY ADHESIVE SHALL BE INSTALLED WHILE CONCRETE IS DRY AND ALLOWED TO CURE FULLY PRIOR TO REINTRODUCING WATER TO SYSTEM.
- EPOXY ANCHOR BOLTS SHALL BE TIGHTENED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

CONCRETE

- 1. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI318, "SPECIFICATION FOR
- STRUCTURAL CONCRETE FOR BUILDINGS" AND CBC CODES 2. DETAILING OF REINFORCEMENT SHALL BE GOVERNED BY THE "ACI MANUAL OF STANDARD
- PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURE", UNO.
- 3. MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS. FOUNDATIONS - 2,500 PSI, FLOOR SLAB-ON-GRADE - 2,500 PSI WITH FIBER
- 4. TYPE II CEMENT SHALL BE USED IN CONCRETE FOR SLAB-ON-GRADE.
- TYPE I CEMENT SHALL BE USED IN ALL OTHER CONCRETE. DESIGN MIX FOR CONCRETE SHALL BE PROPORTIONED TO RESULT IN CONCRETE SLUMP AT THE
- POINT OF DISCHARGE NOT TO EXCEED 3 INCHES. FLOOR SLAB SURFACE SHALL RECEIVE A STEEL TROWEL FINISH.
- 8. A WET CURED METHOD SHALL BE USED FOR CURING THE FLOOR SLAB-ON-GRADE WHICH SHALL RECEIVE A SURFACE HARDENER AND DUST PROOFER, SUCH AS "SURFHARD," AS MANUFACTURED BY THE EUCLID CHEMICAL COMPANY, OR APPROVED SUBSTITUTE. THE PRODUCT SHALL BE APPLIED IN STRICT ACCORDANCE WITH THE INSTRUCTIONS OF THE MANUFACTURER.
- 9. FINISHED CONCRETE WITH SURFACE, WHICH WILL BE EXPOSED TO WEATHER, SHALL BE OF AIR-ENTRAINED TYPE. TOTAL AIR CONTENT SHALL BE 5 PERCENT PLUS OR MINUS 1 PERCENT.
- REINFORCING STEEL SHALL CONFORM TO ASTM-A615, GRADE 60. 11. REINFORCING BARS IN FOOTING SHALL BE CONTINUOUS AROUND CORNERS
- 12. REINFORCING BAR SPLICES SHALL BE CLASS C TENSION LAP SPLICE. HOOKS TO BE ACI
- STANDARD.
- 13. CONSTRUCTION JOINTS AND CONTROL JOINTS SHALL BE PROVIDED IN FOUNDATION WORK AND SLABS ON GRADE AS SHOWN ON THE DRAWINGS. ADDITIONAL JOINTS OR CHANGES IN JOINT LOCATIONS MUST BE APPROVED BY THE ENGINEER.

- POSTS & BEAMS "NO. 1" BEARING STUDS & HEADERS - "NO. 2"
- JOIST, RAFTERS, PLATES "NO. 1"

- OTHERWISE NOTED.

- C-C-2021.

- ZINC-COATED STEEL
- SHEATHING.
- ARCHITECTURAL DRAWINGS.

TYPICAL NAILING SCHEDULE PER CBC TABLE NO. 2304.10.2

DESCRIPTION OF B

ROOF

. BLOCKING BETWE RAFTERS OR TRUS OR OTHER FRAMIN

BLOCKING BETWE TRUSS NOT AT TH TO RAFTER OR TH

FLAT BLOCKING T WEB FILLER

- 2. CEILING JOISTS TO
- 3. CEILING JOIST NO PARALLEL RAFTER PARTITIONS (NO T SECTION 2308.7.3.
- 4. CEILING JOISTS AT PARALLEL RAFTEF (SEE SECTION 2308 2308.7.3.1)
- 5. COLLAR TIE TO RA
- 6. RAFTER OR ROOF (SEE SECTION 230
- 7. ROOF RAFTERS TO HIP RAFTERS; OR RIDGE BEAM

1. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH WITH GRADE AS FOLLOWS, UNLESS OTHERWISE NOTED LIGHT FRAMING - "STANDARD" AND "STUD"

2. SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH SECTIONS 1704, 1707, AND 1708 OF THE CALIFORNIA BUILDING CODE AND THE "STATEMENT OF SPECIAL INSPECTIONS" ON THESE CONSTRUCTION DOCUMENTS. 3. SILL PLATES ON CONCRETE SHALL BE DOUGLAS FIR, PRESSURE TREATED WITH SBX/DOT AND ZINC BORATE AND SHALL HAVE 5/8" DIAMETER x 12" ANCHOR BOLTS AT 4'-0" MAXIMUM, UNLESS OTHERWISE NOTED. UPSET THREADS ARE NOT PERMITTED IN ANCHOR BOLTS. PRESERVATIVE SHALL BE SB4/DOT AND Z1NC BORATE.

4. CUTS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED PER AWPA M 84.

5. ALL LUMBER WITH A LEAST DIMENSION OF 2" (NOMINAL) SHALL BE STAMPED SURFACE-DRY AND SHALL HAVE A MOISTURE CONTENT WHEN SURFACED AND WHEN INSTALLED OF NOT MORE THAN 19%. LUMBER WITH A LEAST DIMENSION OF 4" (NOMINAL) OR GREATER SHALL BE STAMPED SURFACE-GREEN AND AIR DRIED TO A MOISTURE CONTENT OF NOT MORE THAN 19% PRIOR TO ITS USE IN THE STRUCTURE.

6. ALL STUD WALLS SHOWN ON STRUCTURAL DRAWINGS SHALL HAVE THEIR LOWER PLATES ATTACHED TO WOOD FRAMING BELOW WITH 16d NAILS AT 12" O.C. STAGGERED, OR BOLTED TO CONCRETE WITH 5/8" DIAMETER x 12" HEADED BOLTS WITH 3"x3"x ¹/₄" STEEL PLATE WASHERS AND 7" MINIMUM EMBEDMENT @ 4'-0" MAXIMUM SPACING, UNLESS

7. TOP PLATES OF ALL STUD WALLS SHALL BE DOUBLED, SAME SIZE AS STUDS. LAP PLATES 4'-0" MINIMUM. WITH AT LEAST 12-16d NAILS AT 4" O.C. MAXIMUM, EACH SIDE OF SPLICE.

8. ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE CALIFORNIA BUILDING CODE (CBC). MINIMUM NAILING SHALL CONFORM TO CBC TABLE 2304.10.2.

9. SOLID BLOCK STUDS AT 10'-0" VERTICAL INTERVALS AND ALSO COMPLY WITH CBC SECTION 2308.5.7 FOR BRIDGING. 10. PLACE 2x SOLID BLOCKING BETWEEN ALL JOISTS AND RAFTERS AT SUPPORTS AND UNDER ALL PARTITIONS 11. ROOF JOISTS OR RAFTERS OF MORE THAN 8" DEPTH AND FLOOR JOISTS OF MORE THAN 4" DEPTH SHALL BE PROVIDED WITH BRIDGING TO DISTRIBUTE SUPERIMPOSED LOADS. FLOOR JOISTS SHALL BE BRIDGED EVERY 8'-0", ROOF JOISTS OR RAFTERS EVERY 10'-0" BY SOLID BLOCKING 2" THICK AND THE FULL DEPTH OF THE JOIST OR RAFTER, OR NAILED METAL CROSS BRIDGING OF EQUAL STRENGTH. WHERE CROSS BRIDGING IS USED. THE LOWER ENDS OF SUCH CROSS

BRIDGING SHALL BE DRIVEN UP AND NAILED AFTER THE FLOOR, SUBFLOOR, OR ROOF HAS BEEN NAILED. 12. BOLTS SHALL HAVE 7 DIAMETER MINIMUM END DISTANCE AND 4 DIAMETER MINIMUM EDGE DISTANCE. 13. ALL BOLTS HEADS AND NUTS BEARING ON WOOD SHALL BE FITTED WITH STANDARD CUT WASHERS. BOLT HOLES IN

WOOD SHALL BE BORED WITH A BIT $\frac{1}{32}$ " TO $\frac{1}{16}$ " LARGER THAN THE NOMINAL BOLT DIAMETER 14. STEEL FRAMING CONNECTORS SHALL BE MANUFACTURED BY THE "SIMPSON STRONG-TIE COMPANY, INC.", CATALOG #

15. PLYWOOD FLOOR SHEATHING SHALL BE GLUED TO ALL FRAMING MEMBERS WITH AN A.P.A. APPROVED ADHESIVE. 16. WHERE 20d NAILS ARE USED, NAILS SHALL BE PLACED IN PRE-DRILLED HOLES. PILOT HOLES SHALL HAVE A DIAMETER OF APPROXIMATELY 90% OF NAIL SHANK DIAMETER.

17. NAILS CONNECTED TO PRESSURE TREATED MATERIAL OR FIRE RETARDANT WOOD, SUCH AS PLYWOOD SILL NAILING STUD NAILING, ETC. AND NAILS EXPOSED TO THE EXTERIOR SHALL BE CORROSION RESISTANT AND SHALL HAVE A HOT-DIPPED ZINC GALVANIZED COATING OF NOT LESS THAN 1.0 OUNCES OF ZINC PER SQUARE FOOT OR SHALL BE FABRICATED OF STAINLESS STEEL. THE PRESSURE TREATMENT CHEMICALS SHALL BE COMPATIBLE WITH THE HOT-DIPPED GALVANIZED OR STAINLESS STEEL NAILS. ANCHOR BOLTS AND PLATE WASHERS MAY BE OF PLAIN CARBON STEEL IN SBX/DOT AND ZINC BORATE PERSERVATIVE-TREATED WOOD IN DRY. INTERIOR ENVIRONMENT. FASTENERS OTHER THAN NAILS, TIMBER RIVETS, WOOD SCREWS, AND LAG SCREWS MAY BE MECHANICALLY DEPOSITED

18. UNLESS OTHERWISE NOTED ON THE PLANS, ROOF & FLOOR SHEATHING SHALL BE LAID UP WITH GRAIN PERPENDICULAR TO SUPPORTS AND NAILED WITH 10d NAILS @ 6" O.C. TO FRAMED PANEL EDGES AND OVER STUD WALLS SHOWN ON PLANS, AND AT 12" O.C. TO INTERMEDIATE SUPPORTS. FLOOR SHEATHING EDGES SHALL HAVE APPROVED TONGUE-AND-GROOVE JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. TOE NAIL BLOCKING TO SUPPORTS WITH 16d NAILS, UNLESS OTHERWISE NOTED.

19. SHEATHING NAILS SHALL BE DRIVEN SO THEIR HEAD IS FLUSH WITH, BUT SHALL NOT FRACTURE, THE SURFACE OF THE

20.CUTTING, NOTCHING, OR DRILLING OF JOISTS OR BEAMS SHALL BE PERMITTED ONLY AS DETAILED OR SPECIFICALLY APPROVED BY THE ENGINEER AND/OR PER CBC SECTION 2308.5.9 OR 2308.5.10 OR 2308.7.4. 21.PROVIDE BACKING AS REQUIRED FOR HANDRAILS, DRYWALL, ETC. AS REQUIRED BY OTHER TRADES. SEE

22. AT PRE-BORED HOLES FOR LAG SCREWS, THE CLEARANCE HOLE FOR THE SHANK, SHOULD HAVE THE SAME DIAMETER AS THE SHANK AND THE SAME DEPTH OF PENETRATION AS THE LENGTH OF UNTHREADED SHANK. THE LEAD HOLE FOR THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 40% TO 70% OF THE SHANK DIAMETER. THE HIGHER PERCENTAGE APPLIES TO LAG SCREWS OF LARGER DIAMETERS.

23. ALL HEADERS AND BEAMS SHALL BEAR OVER THE POST/JACK STUDS U.N.O.

| UILDING ELEMENTS | NUMBER AND TYPE OF FASTENER | SPACING AND LOCATION | | |
|--|---|----------------------|--|--|
| | | | | |
| EN CEILING JOISTS, SSES TO TOP PLATE NG BELOW | 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS | EACH END, TOENAIL | | |
| EEN RAFTERS OR HE WALL TOP PLATE, | 2-8d COMMON 2-3"x0.131" NAILS | EACH END, TOENAIL | | |
| RUSS | 2-16d COMMON 3-3"x0.131" NAILS | END NAIL | | |
| O TRUSS AND | 16d COMMON @ 6" O.C. 3-3"x0.131" NAILS @ 6" O.C. | FACE NAIL | | |
| D TOP PLATE | 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS | EACH JOIST, TOENAIL | | |
| T ATTACHED TO R, LAPS OVER HRUST) (SEE 1, TABLE 2308.7.3.1) | 3-16d COMMON 4-10d BOX 4-3"x0.131" NAILS | FACE NAIL | | |
| TTACHED TO R (HEEL JOINT) 8.7.3.1, TABLE | PER TABLE 2308.7.3.1 | FACE NAIL | | |
| FTER | 3-10d COMMON 4-10d BOX 4-3"x0.131" NAILS | FACE NAIL | | |
| TRUSS TO TOP PLATE 8.7.5, TABLE 2308.7.5) | 3-10d COMMON 3-16d BOX, 4-10d BOX 4-3"x0.131" NAILS | TOENAIL ^a | | |
| O RIDGE VALLEY OR | 2-16d COMMON 3-10d BOX 3-3"x0.131" NAILS | END NAIL | | |
| | 3-10d COMMON 3-16d BOX, 4-10d BOX 4-3"x0.131" NAILS | TOENAIL | | |

TYPICAL NAILING SCHEDULE PER CBC TABLE NO. 2304.10.2 (CONTD.)

WALL

8. STUD TO STUD (NOT AT BRACED WALL PANELS)

9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)

10.BUILT-UP HEADER (2" TO 2" HEADER)

11.CONTINUOUS HEADER TO STUD

12. TOP PLATE TO TOP PLATE

13. TOP PLATE TO TOP PLATE, AT END JOINTS

14. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)

15. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING AT BRACED WALL PANELS

16. STUD TO TOP OR BOTTOM PLATE

17. TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS

18. 1" BRACE TO EACH STUD AND PLATE

19. 1"x6" SHEATHING TO EACH BEARING

20. 1"x8" AND WIDER SHEATHING TO EACH BEARING

FLOOR

21. JOIST TO SILL, TOP PLATE, OR GIRDER

22. RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW

23. 1"x6" SUBFLOOR OR LESS TO EACH JOIST

24. 2" SUBFLOOR TO JOIST OR GIRDER

25. 2" PLANKS (PLANK & BEAM - FLOOR & ROOF)

26. BUILT UP GIRDERS AND BEAMS, 2" LUMBER LAYERS

27. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS

28. JOIST TO BAND JOIST OR RIM JOIST

29. BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS

| 16d COMMON | 24" O.C. FACE NAIL |
|--|---|
| 10d BOX 3"x0.131" NAILS | 16" O.C. FACE NAIL |
| 16d COMMON | 16" O.C. FACE NAIL |
| 16d BOX | 12" O.C. FACE NAIL |
| 3"x0.131" NAILS | |
| 16d BOX | 12" O.C. EACH EDGE, FACE NAIL |
| 4-8d COMMON 4-10d BOX | TOENAIL |
| 16d COMMON | 16" O.C. FACE NAII |
| 10d BOX | 12" O.C. FACE NAIL |
| | |
| 8-16d COMMON 12-10d BOX 12-3"x0.131" NAILS | NAIL (MIN 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT) |
| 16d COMMON | 16" O.C. FACE NAIL |
| 16d BOX 3"x0.131" NAILS | 12" O.C. FACE NAIL |
| 2-16d COMMON 3-16d BOX 4-3"x0.131" NAILS | 16" O.C. FACE NAIL |
| 4-8d COMMON 4-10d BOX 4-3"x0.131" NAILS | TOENAIL |
| 2-16d COMMON 3-10d BOX 3-3"x0.131" NAILS | END NAIL |
| 2-16d COMMON 3-10d BOX 3-3"x0.131" NAILS | FACE NAIL |
| 2-8d COMMON 2-10d BOX 2-3"x0.131" NAILS | FACE NAIL |
| | |
| 2-8d COMMON 2-10d BOX | FACE NAIL |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX | FACE NAIL |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX | FACE NAIL FACE NAIL |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS | FACE NAIL FACE NAIL TOENAIL |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS 8d COMMON 10d BOX 3"x0.131" NAILS | FACE NAIL FACE NAIL TOENAIL 6" O.C., TOENAIL |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS 8d COMMON 10d BOX 3"x0.131" NAILS 2-8d COMMON 2-10d BOX | FACE NAIL FACE NAIL TOENAIL 6" O.C., TOENAIL FACE NAIL |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS 8d COMMON 10d BOX 3"x0.131" NAILS 2-8d COMMON 2-10d BOX 2-16d COMMON | FACE NAIL FACE NAIL TOENAIL 6" O.C., TOENAIL FACE NAIL FACE NAIL |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS 8d COMMON 10d BOX 3"x0.131" NAILS 2-8d COMMON 2-10d BOX 2-16d COMMON 2-16d COMMON | FACE NAIL FACE NAIL TOENAIL 6" O.C., TOENAIL FACE NAIL FACE NAIL EACH BEARING, FACE NAIL |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS 8d COMMON 10d BOX 3"x0.131" NAILS 2-8d COMMON 2-10d BOX 2-16d COMMON 2-16d COMMON 20d COMMON | FACE NAIL FACE NAIL TOENAIL OENAIL 6" O.C., TOENAIL FACE NAIL FACE NAIL EACH BEARING, FACE NAIL 32" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS 8d COMMON 10d BOX 3"x0.131" NAILS 2-8d COMMON 2-10d BOX 2-16d COMMON 2-16d COMMON 2-16d COMMON 2-10d BOX 3"x0.131" NAILS | FACE NAIL FACE NAIL FACE NAIL TOENAIL 6" O.C., TOENAIL FACE NAIL FACE NAIL FACE NAIL SACH BEARING, FACE NAIL CONSTRUCTION STAGGERED ON OPPOSITE SIDES 24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS 8d COMMON 10d BOX 3"x0.131" NAILS 2-8d COMMON 2-10d BOX 2-16d COMMON 2-16d COMMON 2-16d COMMON 3"x0.131" NAILS 20d COMMON 3"x0.131" NAILS | FACE NAIL FACE NAIL FACE NAIL TOENAIL 6" O.C., TOENAIL FACE NAIL FACE NAIL FACE NAIL EACH BEARING, FACE NAIL 32" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES 24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX 3-8d COMMON 3-10d BOX 3-3"x0.131" NAILS 8d COMMON 10d BOX 3"x0.131" NAILS 2-8d COMMON 2-10d BOX 2-16d COMMON 2-16d COMMON 3"x0.131" NAILS 20d COMMON 3-10d BOX 3"x0.131" NAILS AND: 2-20d COMMON 3-10d BOX 3-3"x0.131" NAILS | FACE NAIL FACE NAIL FACE NAIL TOENAIL 6" O.C., TOENAIL FACE NAIL FACE NAIL FACE NAIL EACH BEARING, FACE NAIL 32" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES 24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES ENDS AND AT EACH SPLICE, FACE NAIL EACH JOIST OR RAFTER, FACE NAIL |
| 2-8d COMMON 2-10d BOX 3-8d COMMON 3-10d BOX 3-10d BOX 3-3"x0.131" NAILS 8d COMMON 10d BOX 3"x0.131" NAILS 2-8d COMMON 2-10d BOX 2-16d COMMON 2-16d COMMON 3"x0.131" NAILS 20d COMMON 3-10d BOX 3"x0.131" NAILS 3-16d COMMON 4-10d BOX 3-16d COMMON 4-10d BOX 3-16d COMMON 4-10d BOX 4-3"x0.131" NAILS | FACE NAIL FACE NAIL FACE NAIL TOENAIL TOENAIL G'' O.C., TOENAIL FACE NAIL FACE NAIL FACE NAIL EACH BEARING, FACE NAIL 32" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES 24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES 24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES ENDS AND AT EACH SPLICE, FACE NAIL END NAIL |

STATEMENT OF SPECIAL INSPECTIONS:

1. WHERE CONTINUOUS SPECIAL INSPECTION IS REQUIRED, THE SPECIAL INSPECTOR SHALL

- CONTINUOUSLY PROVIDE FULL-TIME VERIFICATION OF THE WORK.
 2. WHERE PERIODIC SPECIAL INSPECTION IS REQUIRED, THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING THE WORK WHERE PERIODIC INSPECTION IS INDICATED. AS A MINIMUM, PERIODIC SPECIAL INSPECTION SHALL OCCUR DAILY.
- SPECIAL INSPECTIONS SHALL MEET THE REQUIREMENTS OF THE CBC CHAPTER 17 AND SHALL BE PERFORMED BY A QUALIFIED INSPECTOR OR TESTING AGENCY, RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL TO ACT AS A SPECIAL INSPECTOR. THEY SHALL PERFORM INSPECTIONS PER CBC SECTIONS 1704, 1707, & 1708.
- 4. THE SPECIAL INSPECTOR SHALL CONTINUOUSLY INSPECT THE INITIAL INSTALLATION OF EACH TYPE AND SIZE OF ADHESIVE ANCHOR BY EACH INSTALLER. SUBSEQUENT INSTALLATIONS OF THE SAME TYPE AND SIZE OF ANCHOR BY THE SAME INSTALLER MAY BE PERFORMED ON A PERIODIC BASIS.

| SUMMARY OF SPECIAL INSPECTIONS | |
|---|---------------------|
| DESCRIPTION OF TYPE OF INSPECTION REQUIRED, LOCATION, REMARKS, ETC. | DESIGN STRENGTHS |
| STRUCTURAL WOOD. (SEE NOTE S.) | |
| SIMPSON WOOD PREFABRICATED SHEARWALL | ICC ESR-2652 |

STATEMENT OF SPECIAL INSPECTIONS NOTES:

- A. THE CONSTRUCTION INSPECTIONS LISTED ARE IN ADDITION TO THE CALLED INSPECTIONS REQUIRED BY CBC. THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE, IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A CITY'S BUILDING INSPECTOR. SPECIALLY INSPECTED WORK WHICH IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE CITY INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE.
- B. SPECIAL INSPECTION IS REQUIRED DURING THE PERFORMANCE OF THE WORK PER CBC REFERENCED ABOVE.
 C. IT IS THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR TO NOTIFY THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST TWO WORKING DAYS PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. ALL WORK PERFORMED WITHOUT SPECIAL INSPECTION IS SUBJECT TO REMOVAL.
- D. A CERTIFICATE OF SATISFACTORY COMPLETION OF WORK REQUIRING SPECIAL INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE FIELD INSPECTION DIVISION.
- F. THE SPECIAL INSPECTOR MUST BE CERTIFIED BY THE LOCAL BUILDING JURISDICTION, DEVELOPMENT SERVICES, IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.
- G. AN APPLICATION TO PERFORM OFF-SITE FABRICATION MUST BE SUBMITTED TO THE INSPECTION SERVICES DIVISION FOR APPROVAL PRIOR TO COMMENCEMENT OF FABRICATION.
- H. THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE LOCAL BUILDING JURISDICTION, DEVELOPMENT SERVICES, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND, EQUIPMENT.
- I. A PROPERTY OWNER'S FINAL REPORT FORM FOR WORK REQUIRED TO HAVE SPECIAL INSPECTIONS, TESTING AND STRUCTURAL OBSERVATIONS MUST BE COMPLETED BY THE PROPERTY OWNER, PROPERTY OWNER'S AGENT OF RECORD, ARCHITECT OF RECORD OR, ENGINEER OF RECORD AND SUBMITTED TO THE INSPECTION SERVICES DIVISION.
- J. FABRICATOR MUST BE REGISTERED AND APPROVED BY THE LOCAL BUILDING JURISDICTION, DEVELOPMENT SERVICES FOR THE FABRICATION OF MEMBERS AND ASSEMBLIES ON THE PREMISES OF THE FABRICATOR'S SHOP. FABRICATOR SHALL SUBMIT AN 'APPLICATION TO PERFORM OFF-SITE FABRICATION' TO THE INSPECTION SERVICES DIVISION FOR APPROVAL PRIOR TO COMMENCEMENT OF FABRICATION. FABRICATOR SHALL SUBMIT A 'CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION' TO THE INSPECTION SERVICES DIVISION PRIOR TO ERECTION OF FABRICATED ITEMS AND ASSEMBLIES.
- K. SPECIAL INSPECTION IS REQUIRED FOR FABRICATION OF MEMBERS AND ASSEMBLIES DONE IN A SHOP OF A FABRICATOR WHICH IS NOT APPROVED BY INSPECTION SERVICES. AN APPLICATION TO PERFORM OFF-SITE FABRICATION MUST BE SUBMITTED TO AND APPROVED BY INSPECTION SERVICES. (SECTION 1704.2.5.1 AND BLDG-17-6).
- L. SPECIAL INSPECTOR SHALL VERIFY THAT FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR FABRICATOR'S SCOPE OF WORK.
- M. FABRICATION OF MEMBERS AND ASSEMBLIES DONE IN A FABRICATOR'S SHOP APPROVED BY INSPECTION SERVICES NEED NOT HAVE CONTINUOUS OR PERIODIC SPECIAL INSPECTION. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT THE 'CERTIFICATE OF COMPLIANCE' FORM TO INSPECTION SERVICES. (SECTION 1704.2.5.1 AND BLDG-17-6).
- N. STRUCTURAL WOOD: THE FASTENER SPACING OF THE SHEATHING FOR WOOD SHEAR WALLS, SHEAR PANELS AND DIAPHRAGM IS SPECIFIED AT 4 INCHES OR LESS ON CENTER. SPECIFY PERIODIC SPECIAL INSPECTION FOR NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM INCLUDING WOOD SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRAZCES, SHEAR PANELS, AND HOLD-DOWNS
- O. WELDS DONE IN A FABRICATOR'S SHOP, APPROVED BY INSPECTION SERVICES, NEED NOT HAVE CONTINUOUS OR PERIODIC SPECIAL INSPECTION. THE APPROVED FABRICATOR MUST SUBMIT A CERTIFICATE OF COMPLIANCE IN ACCORDANCE WITH CBC SECTION 1704.2.5.1. SPECIAL INSPECTION IS REQUIRED FOR WELDS DONE IN A SHOP WHICH IS NOT AN APPROVED FABRICATOR AND APPLICATION TO PERFORM OFF-SITE FABRICATION MUST BE SUBMITTED TO AND APPROVED BY THE CITY.
- P. PROVIDE SPECIAL INSPECTION FOR HIGH-STRENGTH BOLTED CONNECTIONS WITH A325 & A490 BOLTS. INSPECTIONS SHALL BE DONE PER APPROVED NATIONALLY RECOGNIZED STANDARDS AND THE REQUIREMENTS OF CBC SECTION 1705.2.3 WHILE THE WORK IS IN PROGRESS, THE SPECIAL INSPECTOR SHALL DETERMINE THE BOLTS, NUTS, WASHERS AND PAINT, BOLTED PARTS, AND INSTALLATION AND TIGHTENING MEET THE STANDARDS REQUIREMENTS. PERIODIC INSPECTIONS MAY BE PERFORMED FOR "SNUG-TIGHTENED" CONNECTIONS.
- Q. THE SPECIAL INSPECTOR FOR HIGH-STRENGTH BOLTED CONNECTIONS SHALL OBSERVE THE CALIBRATION PROCEDURES WHEN SUCH PROCEDURES ARE REQUIRED BY THE PLANS OR SPECIFICATIONS AND SHALL MONITOR THE INSTALLATION OF BOLTS TO DETERMINE THAT ALL PLIES OF CONNECTED MATERIALS HAVE BEEN DRAWN TOGETHER AND THAT THE SELECTED PROCEDURE IS PROPERLY USED TO TIGHTEN ALL BOLTS..
- S. STRUCTURAL WOOD: THE FASTENER SPACING OF THE SHEATHING FOR WOOD SHEAR WALLS, SHEAR PANELS AND DIAPHRAGM IS SPECIFIED AT 4 INCHES OR LESS ON CENTER. SPECIFY PERIODIC SPECIAL INSPECTION FOR NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM INCLUDING WOOD SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS, AND HOLD-DOWNS.

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| SHEARWALL SCHEDULE | | | | | | | | |
|--------------------|--|-------------------------|---|--|--------------------------------------|--|--|--|
| TYPE | APA RATED SHEATHING | SILL PLATE (FND.) | ANCHOR ² BOLT SPACING | FRAMING MEMBER AT PANEL EDGE ³ | SOLE ⁴ PLATE TO RIM | BLK'G/RIM BD. TO TOP/SILL PLATE | | |
| 1 260 PLF | ¹⁵ ₃₂ " ONE FACE W/ 8d @ 6" O.C. EDGE 12" O.C. FIELD | 2x | ⁵ 8 [™] Ø x 10" A.B. @ 32" O.C. | 2x | 16d @ 6" O.C. | A35 CLIP @ 24" O.C. | | |
| 2 380 PLF | 15 32" ONE FACE W/ 8d @ 4" O.C. EDGE 12" O.C. FIELD | 2x | ⁵ / ₈ " Ø x 10" A.B. @ 32" O.C. | 2x | 16d @ 4" O.C. | A35 CLIP @ 16" O.C. | | |
| 3 490 PLF | 15 32" ONE FACE W/ 8d @ 3" O.C. EDGE 12" O.C. FIELD | Зx | ⁵ ₈ " Ø x 10" A.B. @ 32" O.C. | Зx | 16d @ 3" O.C. | A35 CLIP @ 16" O.C. | | |
| 4 640 PLF | 15 32" ONE FACE W/ 8d @ 2" O.C. EDGE 12" O.C. FIELD | Зx | ⁵ / ₈ " Ø x 10" A.B. @ 24" O.C. | Зx | A35 CLIP @ 12" O.C. | A35 CLIP @ 12" O.C. | | |
| 5 760 PLF | 15/32" BOTH FACE W/ 8d @ 4" O.C. EDGE 12" O.C. FIELD | Зx | ⁵ 8" Ø x 10" A.B. @ 16" O.C. | Зx | A35 CLIP @ 8" O.C. | A35 CLIP @ 8" O.C. | | |
| 6 980 PLF | 15/32" BOTH FACE W/ 8d @ 3" O.C. EDGE 12" O.C. FIELD | Зx | ⁵ 8 [™] Ø x 10" A.B. @ 12" O.C. | 3x | A35 CLIP @ 6" O.C. | A35 CLIP @ 6" O.C. | | |
| 7 280 PLF | 15/32" BOTH FACE W/ 8d @ 2" O.C. EDGE 12" O.C. FIELD | Зx | ³ ⁄ ₄ " Ø x 10" A.B. @ 16" O.C. | Зx | A35 CLIP @ 6" O.C. | A35 CLIP @ 6" O.C. | | |
| | | I | | | ·I | | | |

1. SHEATHING TO BE 4'-0"x8'-0" MIN. EXCEPT AT BOUNDARIES OR AT CHANGES IN FRAMING WHERE MIN. WIDTH IS TO BE 24" (TYP.)

2. MIN. 7" EMBEDMENT INTO CONC., PROVIDE 3"x3"x¹/₄" PLATE WASHER AT EACH BOLT. MIN. (2) BOLTS PER SHEARWALL.

3. 3x FRAMING MEMBERS ARE TO BE SINGLE MEMBERS AND REQUIRE STAGGERED NAILING.

4. SOLE PLATE TO BE 2x U.N.O. SOLE PLATE TO RIM CONNECTION OCCURS ABOVE FOUNDATION PLATE LEVEL AT RAISED FLOOR AND SECOND FLOOR APPLICATIONS.

ANCHOR HOLDOWN SCHEDULE

| ON E | MIN. HD ¹ HD TO POST POST CONNECTIO | | HOLDOWN ANCHOR | MIN. ANCHOR EMBEDMENT "SSTB" "THREADED F ANCHOR ANCHOR | | MIN. 2,3 FOOTING SIZE | | | | |
|--------------------|---|---|--------------------------------------|--|------------|-----------------------------|--|--|--|--|
| - 5 | DBL 2x (6) SDS $\frac{1}{4}x2\frac{1}{2}$ STUD WOOD SCREWS | | 5 ⁸ "Ø A.B. | "SSTB20" 18" | - | 24"x24"x24" | | | | |
| - DBL 2x 5 STUD | | (6) SDS ¹ ⁄ ₄ x2 ¹ ⁄ ₂ WOOD SCREWS | 5 ⁵ 8 [™] Ø A.B. | "SSTB24" 21" | - | 24"x24"x24" | | | | |
| - 5 | DBL 2x STUD | (14) SDS ¼x2½ WOOD SCREWS | ¾"Ø A.B. | "SSTB24" 21" | - | 24"x24"x24" | | | | |
| 2)2x | -5,980# | | ⁷ / ₈ "Ø A.B. | "SSTB34" | | | | | | |
| PO | ST-6,970# | (20) SDS $\frac{1}{4}x2\frac{1}{2}$ | ⁷ / ₈ "Ø A.B. | 30" | - | 24"x24"x24" | | | | |
| 3)2x -7,870# | | WOOD SCREWS | ⁷ / ₈ "Ø A.B. | | | | | | | |
| POST-9,535# | | (20) SDS 1/ x21/ | 1"Ø A.B. | - | 1"Ø 9" | 30"x30"x24" | | | | |
| POST-11,175# | | WOOD SCREWS | 1"Ø A.B. | | 1"Ø 10" | | | | | |
| | ULTI 2x HOLDOWN STUDS TOGETHER WITH (24) 16d OVER LENGTH OF STUD. | | | | | | | | | |

 THE A.B. EMBEDMENT AND FOOTING SIZE IS BASED UPON CHAPTER 17, ACI318-19.
 THE ANCHOR BOLT EMBEDMENT NOTED SHOULD BE IN CONTINUOUS FOOTING OR WIDENED FOOTING OF THE SIZE AS NOTED ABOVE UNO AND EXCLUDES EMBEDMENT IN STEM WALL. FOR TURNDOWN SLAB FOOTING, WIDEN THE FOOTING TO THE SIZE AS NOTED ABOVE UNO. THE SIZE OF FOOTING NOTED HERE TO BE COORDINATED WITH SIZE NOTED ON FOOTING PLAN AND PROVIDE LARGER SIZE.

| T/ H | TABLE 1 - ANCHORAGE SELECTION GUIDE FOR HOLDOWNS ATTACHED TO DF/SP LUMBER | | | | | | | | | |
|--------------------|--|--------------------|-------------------|--------------------|----------------------------|--------------------|---------------------|--|--|--|
| | STEMWAL | .L | | | SLAB ON GF | RADE | | | | |
| D SEIS | SMIC DESIGN RY A&B | SEISMIC CATEG | DESIGN DRY C-F | WIND AND CATE | SEISMIC DESIGN GORY A&B | SEISMIC CATEGO | DESIGN DRY C-F | | | |
| LL/ ER | END WALL | MIDWALL/ CORNER | END WALL | MIDWALL/ CORNER | GARAGE CURB | MIDWALL/ CORNER | GARAGE CURB | | | |
| SST | B16 | SS | ГВ24 | SS | STB16 | SSTB16 | SSTB20* (2,960) | | | |
| SB5/8 | 3X24 | SB5/8X24 | | SSTB16 | SB5/8X24 | SSTB20 | SB5/8X24 | | | |
| SB5/8 | 3X24 | SB5/8X24 | | SSTB20 | SB5/8X24 | SSTB24 | SB5/8X24 | | | |
| | PAB7 | SB7/8X24*(7,855 | i) PAB7 | SS | TB28 | SS | TB28 | | | |
| [,] (8,98 | 0) PAB7 | PAB7 | PAB7 | SS | STB28 | SSTB28 | PAB7 | | | |
| PA | B8 | PAB8 | | SE | 31x30 | SB | 1X30 | | | |
| PA | B8 | PAB8 | | SE | SB1x30 | | SB1X30 (See Note 4) | | | |
| SSTB16 | | SSTB16 * (2,550) | | SSTB16 | | SSTB16 | | | | |
| STB24 | l* (4,295) | SB5/ | 8X24 | SSTB16 | SSTB24* (4,295) | SSTB20 | SB5/8X24 | | | |
| SB5/8X24 | | SB5/ | 8X24 | SSTB16 | SB5/8X24 | SSTB24 | SB5/8X24 | | | |
| SSTB16 | | SSTB24 | | SS | STB16 | SSTB16 | SSTB24 | | | |
| SB5/8X24 | | SB5/8X24 | SB5/8X24 | SSTB16 | SB5/8X24 | SSTB24 | SB5/8X24 | | | |
| STB28* (7,310) | | SSTB28* (7,31 | 5) PAB7 | SS | SSTB28 | | TB28 | | | |
| PA | B7 | P/ | B7 | SS | STB28 | SSTB28 | PAB7 | | | |
| PA | B8 | P/ | B8 | SE | SB1X30 | | SB1X30 (See Note 4) | | | |
| | | | | | | | | | | |

S1

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| | 2x6 STUD WALL |
| | 2x8 STUD WALL |

| SHEARWALL SCHEDULE | | | | | | | | | |
|---|--|-------------------------|---|--|--------------------------------------|--|--|--|--|
| TYPE | APA RATED SHEATHING | SILL PLATE (FND.) | ANCHOR ² BOLT SPACING | FRAMING MEMBER AT PANEL EDGE ³ | SOLE ⁴ PLATE TO RIM | BLK'G/RIM BD. TO TOP/SILL PLATE | | | |
| 1 260 PLF | 15/32" ONE FACE W/ 8d @ 6" O.C. EDGE 12" O.C. FIELD | 2x | ⁵ / ₈ " Ø x 10" A.B. @ 32" O.C. | 2x | 16d @ 6" O.C. | A35 CLIP @ 24" O.C. | | | |
| 2 380 PLF | 15/32" ONE FACE W/ 8d @ 4" O.C. EDGE 12" O.C. FIELD | 2x | ⁵ / ₈ " Ø x 10" A.B. @ 32" O.C. | 2x | 16d @ 4" O.C. | A35 CLIP @ 16" O.C. | | | |
| 3 490 PLF | 15/32" ONE FACE W/ 8d @ 3" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 32" O.C. | 3x | 16d @ 3" O.C. | A35 CLIP @ 16" O.C. | | | |
| 4 640 PLF | 15/32" ONE FACE W/ 8d @ 2" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 24" O.C. | Зx | A35 CLIP @ 12" O.C. | A35 CLIP @ 12" O.C. | | | |
| 5 760 PLF | 15" BOTH FACE W/ 8d @ 4" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 16" O.C. | Зx | A35 CLIP @ 8" O.C. | A35 CLIP @ 8" O.C. | | | |
| 6 980 PLF | 15/32" BOTH FACE W/ 8d @ 3" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 12" O.C. | Зx | A35 CLIP @ 6" O.C. | A35 CLIP @ 6" O.C. | | | |
| 7 1280 PLF | 7 15" BOTH FACE W/ 8d @ 2" O.C. EDGE 12" O.C. FIELD 34" Ø x 10" A.B. @ 16" O.C. 3x A35 CLIP @ 6" O.C. A35 CLIP @ 6" O.C. | | | | | | | | |
| 1. SHEATHING TO BE 4'-0"x8'-0" MIN. EXCEPT AT BOUNDARIES OR AT CHANGES IN FRAMING WHERE MIN. WIDTH IS TO BE 24" (TYP.) | | | | | | | | | |
| 2. MIN. 7" EMBEDMENT INTO CONC., PROVIDE 3"x3"x¼" PLATE WASHER AT EACH BOLT. MIN. (2) BOLTS PER SHEARWALL. | | | | | | | | | |
| 3. 3x FR/ NAILI | 3. 3x FRAMING MEMBERS ARE TO BE SINGLE MEMBERS AND REQUIRE STAGGERED NAILING. | | | | | | | | |

4. SOLE PLATE TO BE 2x U.N.O. SOLE PLATE TO RIM CONNECTION OCCURS ABOVE FOUNDATION PLATE LEVEL AT RAISED FLOOR AND SECOND FLOOR APPLICATIONS.

| ANCHOR HOLDOWN SCHEDULE | | | | | | | | | | |
|-------------------------|--|---|-------------------------------------|---------------------------------|--|-----------------------------|--|--|--|--|
| ON E | MIN. HD ¹ POST | HD TO POST CONNECTION | HOLDOWN ANCHOR | MIN. ANCHOF "SSTB" ANCHOR | R EMBEDMENT ² "THREADED ROD" ANCHOR | MIN. 2,3 FOOTING SIZE | | | | |
| - DBL 2x 5 STUD | | (6) SDS ¼x2½ WOOD SCREWS | 5"Ø A.B. | "SSTB20" 18" | - | 24"x24"x24" | | | | |
| - 5 | DBL 2x STUD | (6) SDS ¼x2½ WOOD SCREWS | 5 ₈ "Ø A.B. | "SSTB24" 21" | - | 24"x24"x24" | | | | |
| - DBL 2x 5 STUD | | (14) SDS ¼x2½ WOOD SCREWS | ¾"Ø A.B. | "SSTB24" - 21" - | | 24"x24"x24" | | | | |
| 2)2x | -5,980# | | ⁷ / ₈ "Ø A.B. | "SSTB34" | | | | | | |
| PO | GT-6,970# | (20) SDS ¹ / ₄ x2 ¹ / ₂ | <u>₹</u> "Ø A.B. | 30" | - | 24"x24"x24" | | | | |
| 3)2x | -7,870# | WOOD SCREWS | ⁷ / ₈ "Ø A.B. | | | | | | | |
| PO | ST-9,535# | (30) SDS 1/421/ | 1"Ø A.B. | - | 1"Ø 9" | 30"x30"x24" | | | | |
| POST-11,175# | | WOOD SCREWS | 1"Ø A.B. | | 1"Ø 10" | | | | | |
| AUL MBE | IULTI 2x HOLDOWN STUDS TOGETHER WITH (24) 16d OVER LENGTH OF STUD. MBEDMENT AND FOOTING SIZE IS BASED UPON CHAPTER 17, ACI318-19. DR BOLT EMBEDMENT NOTED SHOULD BE IN CONTINUOUS FOOTING OR WIDENED FOOTING | | | | | | | | | |

OF THE SIZE AS NOTED ABOVE UNO AND EXCLUDES EMBEDMENT IN STEM WALL. FOR TURNDOWN SLAB FOOTING, WIDEN THE FOOTING TO THE SIZE AS NOTED ABOVE UNO. THE SIZE OF FOOTING NOTED HERE TO BE COORDINATED WITH SIZE NOTED ON FOOTING PLAN AND PROVIDE LARGER SIZE

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S3

| LEGEND | |
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| | 2x6 STUD WALL |
| | 2x8 STUD WALL |

| | SHEARWALL SCHEDULE | | | | | | | | | |
|---------------|--|-------------------------|---|--|--------------------------------------|--|--|--|--|--|
| TYPE | APA RATED SHEATHING | SILL PLATE (FND.) | ANCHOR ² BOLT SPACING | FRAMING MEMBER AT PANEL EDGE ³ | SOLE ⁴ PLATE TO RIM | BLK'G/RIM BD. TO TOP/SILL PLATE | | | | |
| 1 260 PLF | 15" ONE FACE W/ 8d @ 6" O.C. EDGE 12" O.C. FIELD | 2x | ⁵ / ₈ " Ø x 10" A.B. @ 32" O.C. | 2x | 16d @ 6" O.C. | A35 CLIP @ 24" O.C. | | | | |
| 2 380 PLF | 15/32" ONE FACE W/ 8d @ 4" O.C. EDGE 12" O.C. FIELD | 2x | ⁵ / ₈ " Ø x 10" A.B. @ 32" O.C. | 2x | 16d @ 4" O.C. | A35 CLIP @ 16" O.C. | | | | |
| 3 490 PLF | 15/32" ONE FACE W/ 8d @ 3" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 32" O.C. | Зx | 16d @ 3" O.C. | A35 CLIP @ 16" O.C. | | | | |
| 4 640 PLF | 15 32" ONE FACE W/ 8d @ 2" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 24" O.C. | Зx | A35 CLIP @ 12" O.C. | A35 CLIP @ 12" O.C. | | | | |
| 5 760 PLF | 15/32" BOTH FACE W/ 8d @ 4" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 16" O.C. | 3x | A35 CLIP @ 8' O.C. | A35 CLIP @ 8" O.C. | | | | |
| 6 980 PLF | 15/32" BOTH FACE W/ 8d @ 3" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 12" O.C. | 3x | A35 CLIP @ 6" O.C. | A35 CLIP @ 6" O.C. | | | | |
| 7 1280 PLF | 15/32" BOTH FACE W/ 8d @ 2" O.C. EDGE 12" O.C. FIELD | 3x | ³ ⁄ ₄ " Ø x 10" A.B. @ 16" O.C. | 3x | A35 CLIP @ 6' O.C. | A35 CLIP @ 6" O.C. | | | | |

. SHEATHING TO BE 4'-0"x8'-0" MIN. EXCEPT AT BOUNDARIES OR AT CHANGES IN FRAMING WHERE MIN. WIDTH IS TO BE 24" (TYP.)

2. MIN. 7" EMBEDMENT INTO CONC., PROVIDE 3"x3"x1/4" PLATE WASHER AT EACH BOLT. MIN. (2) BOLTS PER SHEARWALL.

3. 3x FRAMING MEMBERS ARE TO BE SINGLE MEMBERS AND REQUIRE STAGGERED NAILING.

4. SOLE PLATE TO BE 2x U.N.O. SOLE PLATE TO RIM CONNECTION OCCURS ABOVE FOUNDATION PLATE LEVEL AT RAISED FLOOR AND SECOND FLOOR APPLICATIONS.

| LEGEND | |
|--------|---------------|
| | 2x6 STUD WALL |
| | 2x8 STUD WALL |

| | SH | EAR | WALL SC | HEDULE | | | | | |
|---------------|--|-------------------------|---|--|--------------------------------------|--|--|--|--|
| TYPE | APA RATED ^I SHEATHING | SILL PLATE (FND.) | ANCHOR ² BOLT SPACING | FRAMING MEMBER AT PANEL EDGE ³ | SOLE ⁴ PLATE TO RIM | BLK'G/RIM BD. TO TOP/SILL PLATE | | | |
| 1 260 PLF | 15/32" ONE FACE W/ 8d @ 6" O.C. EDGE 12" O.C. FIELD | 2x | ⁵ / ₈ " Ø x 10" A.B. @ 32" O.C. | 2x | 16d @ 6" O.C. | A35 CLIP @ 24" O.C. | | | |
| 2 380 PLF | 15 32" ONE FACE W/ 8d @ 4" O.C. EDGE 12" O.C. FIELD | 2x | ⁵ / ₈ " Ø x 10" A.B. @ 32" O.C. | 2x | 16d @ 4" O.C. | A35 CLIP @ 16" O.C. | | | |
| 3 490 PLF | 15/32" ONE FACE W/ 8d @ 3" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 32" O.C. | 3x | 16d @ 3" O.C. | A35 CLIP @ 16" O.C. | | | |
| 4 640 PLF | 15 32" ONE FACE W/ 8d @ 2" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 24" O.C. | 3x | A35 CLIP @ 12" O.C. | A35 CLIP @ 12" O.C. | | | |
| 5 760 PLF | 15/32" BOTH FACE W/ 8d @ 4" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 16" O.C. | 3x | A35 CLIP @ 8" O.C. | A35 CLIP @ 8" O.C. | | | |
| 6 980 PLF | 15/32" BOTH FACE W/ 8d @ 3" O.C. EDGE 12" O.C. FIELD | 3x | ⁵ / ₈ " Ø x 10" A.B. @ 12" O.C. | 3x | A35 CLIP @ 6" O.C. | A35 CLIP @ 6" O.C. | | | |
| 7 1280 PLF | 15/32" BOTH FACE W/ 8d @ 2" O.C. EDGE 12" O.C. FIELD | 3x | ³ ⁄ ₄ " Ø x 10" A.B. @ 16" O.C. | Зx | A35 CLIP @ 6" O.C. | A35 CLIP @ 6" O.C. | | | |

1. SHEATHING TO BE 4'-0"x8'-0" MIN. EXCEPT AT BOUNDARIES OR AT CHANGES IN FRAMING WHERE MIN. WIDTH IS TO BE 24" (TYP.)

2. MIN. 7" EMBEDMENT INTO CONC., PROVIDE 3"x3"x1/4" PLATE WASHER AT EACH BOLT. MIN. (2) BOLTS PER SHEARWALL.

3. 3x FRAMING MEMBERS ARE TO BE SINGLE MEMBERS AND REQUIRE STAGGERED NAILING.

4. SOLE PLATE TO BE 2x U.N.O. SOLE PLATE TO RIM CONNECTION OCCURS ABOVE FOUNDATION PLATE LEVEL AT RAISED FLOOR AND SECOND FLOOR APPLICATIONS.

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