		Accessory D 2 Bed Encinita	room
SHEET INDEX	ZONING INFORMATION	DIRECTORY	VICINITY MAP
T1.1       TITLE SHEET         T1.2       EXTERIOR MATERIAL OPTIONS         AS.1       SITE INFORMATION         A1.1       FLOOR PLAN/ ROOF PLAN         A2.1       MECHANICAL/PLUMBING/ELECTRICAL PLANS         A3.1       EXTERIOR ELEVATIONS         A4.1       BUILDING SECTIONS         A5.1       EXTERIOR FINISH DETAILS         A6.1       FIRE RATED DETAILS         S.1       STRUCTURAL NOTES         S.2       FOUNDATION PLANS/ FRAMING PLAN         S.3       STRUCTURAL DETAILS         T24.1       ENERGY CALC.         T24.2       ENERGY CALC.         T24.2       ENERGY CALC.         T24.2       ENERGY CALC.         COVERNING CODES:       APPROVAL OF THIS PROJECT SHALL COMPLY WITH THE 2016 CALIFORNIA RESIDENTIAL CODE, WHICH ADOPTS THE 2015 IRC, 2015 UMC, 2015 UPC AND THE 2014 NEC.         SITE ADDRESS:       PROVIDED BY OWNER PROVIDED BY OWNER PROVIDED BY OWNER         STOREIES-       CITY OF ENCINITAS, CA.         OCCUPANCY GROUP:       R3         STOREIES-       1	CITY OF ENCINITAS TO PROVIDE THE FOLLOWING INFORMATION ZONING : OVERLAY : ALLOWABLE BUILDING HEIGHT: 12'-0" / 14'-0" ALLOWABLE HEIGHT IS FROM THE LOWER OF EXISTING OR FINISHED GRADE LOT SIZE : EXISTING HABITABLE SQ. FT. : EXISTING HABITABLE SQ. FT. : EXISTING FAR : MAX. ALLOWABLE FAR : PROPOSED FAR : FLOOR AREA OF GARAGE: EXISTING LOT COVERAGE : PROPOSED LOT COVERAGE : LOT SLOPE : SETBACKS : FRONT- REAR- SIDE- STREET SIDE- OFF STREET PARKING :	MODIFICATION TO PLANS MADE BY:         COMPANY         CONTACT PERSON         ADDRESS         CITY, STATE ZIP         PHONE: ()         EMAIL         PROPERTY OWNER:         NAME         ADDRESS         CITY, STATE ZIP         PHONE: ()         EMAIL         PROPERTY OWNER:         NAME         ADDRESS         CITY, STATE ZIP         PHONE: ()         EMAIL         BUILDING DEPARTMENT:         CITY OF ENCINITAS         505 S VULCAN AVE         ENCINITAS, CA 92024         P. 760-633-2710    PROJECT DESCRIPTION NEW CONSTRUCTION OF A ONE STORY DETACHED 745 S.F. ACCESSORY DWELLING UNIT	PROVIDED BY OWNER
STORIES: 1 BUILDING HEIGHT: 12' TYPE OF CONSTRUCTION: VB	A DIMENSIONED SITE PLAN DRAWN TO SCALE SHALL BE PROVIDED SHOWING THE FOLLOWING: NORTH ARROW, PROPERTY LINES, EASEMENTS, STREETS, EXISTING AND PROPOSED BUILDINGS, AND STRUCTURES, LOCATION OF YARDS USED FOR ALLOWABLE INCREASE OF BUILDING AREA,	LEGAL DESCRIPTION	APN
FIRE SPRINKLERES REQUIRED:       YES       NO         FIRE SPRINKLERES IN EX'G RESIDENCE:       YES       NO         VERY HIGH FIRE HAZARD SEVERITY ZONE:       YES       NO         FIRE RATED DOORS AND WINDOWS REQ:       YES       NO         (SEE DOOR AND WINDOW SCHEDULE)	AND STRUCTORES, LOCATION OF TARDS USED FOR ALLOWABLE INCREASE OF BUILDING AREA, DIMENSIONED SETBACKS, MINIMUM SEPARATION FROM EXISTING STRUCTURES AND FUEL MODIFICATION ZONES PER UNIFORM ADMINISTRATIVE CODE SECTION 302. IF A GRADING PLAN IS REQUIRED, INCORPORATE THE ENTIRE APPROVED GRADING PLAN/IMPROVEMENT PLAN (ALL SHEETS) WITH THE BUILDING PLANS.	PROVIDED BY OWNER	PROVIDED BY OWNER

wi	WINDOW SCHEDULE			DO	DOOR SCHEDULE												
WINDOW	WIN WIDTH	DOW SIZE	OPER.	QNTY	,	FRAME	HEAD HEIGH	REMARKS	DOOR	DOOR TYPE	WIDTH	DOOR HEIGH		CORE	MATERIAL	FRAME	REMARKS
А	6' -0"	2' -0"	SLIDER	1		VINYL	6'-8"	LIVING ROOM WINDOWS	1	DOUBLE DOOR	6'- <sup>0"</sup>	6'- 8	" 1-3/4"	GL	VNL/GLASS	VINYL	FRONT - ENTRY HINGED DOOR WITH GLAZING
В	2' -0"	2'- <sup>0</sup> "	SLIDER	1		VINYL	6'-8"	BATHROOM WINDOWS	2	SINGLE DOOR	2'- <sup>6</sup> "	6'- 8	" 1-3/4"	HLW	WD	WD	BATHROOM DOOR
С	6' -0"	4'- <sup>0</sup> "	SLIDER	2	2	VINYL	6'-8"	BEDROOM WINDOWS	3	SINGLE DOOR	2'- <sup>6"</sup>	6'- <sup>8</sup>	" 1-3/4"	HLW	WOOD	WD	BATHROOM DOOR
D	3' -0"	4'- <sup>0</sup> "	SLIDER	1		VINYL	6'-8"	CLOSET/ HALLWAY WINDOWS	4	SINGLE DOOR	2'- <sup>6</sup> "	6'- <sup>8</sup>	" 1-3/4"	HLW	WOOD	WD	BEDROOM DOOR
									5	SINGLE DOOR	2'- <sup>6</sup> "	6'- <sup>8</sup>	" 1-3/4"	HLW	WOOD	WD	BEDROOM DOOR
									6	SLIDER	9'- <sup>8</sup> "	6'- <sup>8</sup>	" 1-3/4"	HLW	WOOD	WD	SLIDING CLOSET DOOR
									7	SLIDER	9'- <sup>8</sup> "	6'- <sup>8</sup>	" 1-3/4"	HLW	WOOD	WD	SLIDING CLOSET DOOR
									8	SINGLE DOOR	2'- <sup>6"</sup>	6'- 8	8" 1-3/4"	HLW	LOUVERED	WD	FAU CLOSET
		NOTES															
										DOOR NOTES							
3. AL 4. AL 5. W 6. VE 7. EV HEIGH 8. NO 9. AL 10. TI 11. E	<ol> <li>SEE EXTERIOR ELEVATION FOR DIRECTION OF OPERATION OF WINDOWS (ALL OPERABLE WINDOWS TO HAVE SCREENS).</li> <li>ALL WINDOW DIMENSIONS PERTAIN TO ROUGH OPENINGS (R.O.), CONTRACTOR TO FIELD VERIFY ACTUAL DIMENSIONS FOR WINDOWS</li> <li>ALL GLAZING WILL BE INSTALLED WITH A CERTIFYING LABEL ATTACHED, SHOWING THE NERC LABEL.</li> <li>ALL GLAZING SHALL BE SPECTRALY SELECTIVE IOW E COATED TO MEET TITLE 24 ENERGY REQUIREMENTS.</li> <li>WINDOWS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 116 E.E.S.D</li> <li>VENTILATION SHALL COMPLY WITH C.B.C. 1203.4 AND R303</li> <li>EVERY SUEEPING ROOM SHALL HAVE ONE OPERABLE WINDOW FOR EMERGENCY ESCAPE OR RESCUE WITH A MIN. NET CLEAR OPENABLE AREA OF 5.7 SQ. FT, MIN. NET CLEAR OPENABLE</li> <li>HEIGHT OF 24" MIN., NET CLEAR WIDTH OF 20" AND A FIN. SILL HEIGHT OF NOT MORE THAN 44" A.F.F. PER CRC SECTION 3101</li> <li>NOT USED</li> <li>ALL EXTERIOR WINDOW AND EXTERIOR DOOR ASSEMBLIES TO HAVE AN STC RATING OF 36 OR GREATER.</li> <li>TEMPERED GLASS SHALL BE PERMANENTLY IDENTIFIED AND <u>VISIBLE WHEN THE UNIT IS GLAZED</u>.</li> <li>EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL VENTILATION AND NATURAL LIGHT BY MEANS OF VENTILATION / ARTIFICIAL LIGHT. CBC SECTIONS 1203.4 AND 1205.1 AND R303</li> <li>THE MINIMUM NET GLAZED AREA FOR NATURAL LIGHT SHALL NOT BE LESS THAN 8%OF THE FLOOR AREA OF THE ROOM SERVED. CBC SECTION 1205.2</li> <li>THE MINIMUM OPENABLE AREA TO THE OUTDOORS FOR NATURAL VENTILATION SHALL BE 4% OF THE FLOOR AREA BEING VENTILATED. SECTION 1203.4</li> </ol>					2. ALL C 3. REFE 4. DOOI 5. VENT 6. NOT 7. ALL E 8. DOOI THAN 9. GLA	ELAZING WILL BE INSTALL R TO FLOOR PLANS FOR RS SHALL MEET THE MINI ILATION SHALL COMPLY JSED EXTERIOR WINDOW AND E RS MAY OPEN TO THE EX THE DOOR THRESHOLD.	ED WITH A DIRECTION MUM INFIL WITH C.B.C EXTERIOR TERIOR ON SECTION	A CERTIF IN OF DO TRATION C. 1203.4 DOOR A NLY IF TH N R311.3.	YING LABE OR SWING. N REQUIREM AND R303. SSEMBLIES HE FLOOR C 1 CRC	ATTACHE MENTS PER TO HAVE A R LANDIN	D, SHOWING TH SECTION 116 F AN STC RATING G IS NOT MORE	ie "U" valu E.E.S. Of 36 or G Than 1-½ II	REATER.			

•	ir <u>e rated details:</u>
)	K SELECTION
	ROOF EAVE DETAIL 11/A6.1 & 14/A6.1
Ļ	WALL FINISH DETAIL 5A/A6.1, 6A/A6.1 & 7A/A6.1
	WINDOW NOTES #12&13 AND DOOR NOTE #10 PER SCHEDULES ON SHEET A6.1 FIRE RATED DETAILS ABOVE ARE TO BE USED WHEN WALLS ARE LESS THAN 10 FT
	FROM PROPERTY LINE, WHEN ROOF EAVES ARE LESS THAN 5 FT FROM PROPERTY LINE, AND WHEN THE PROJECT IS LOCATED WITHIN THE VERY HIGH FIRE HAZARD
r	SEVERITY ZONE. STRUCTURES SHALL COMPLY WITH THE CURRENT CBC CHAPTER 7A
-	K MATERIAL
Γ	STANDING SEAM METAL ROOF - AEP SPAN INC - IAPMO-UES ER 0309 - OAE
Ē	TORCH APPLIED MODIFIED BITUMEN ROOFING - GAF INC - ICC ESR 1274 - OAE
e	exterior wall material:
)	MATERIAL
	STUCCO
L	STONE SIDING
	FIBER CEMENT - LAP SIDING
	NOTES
	FIRE GENERAL NOTES
	AUTOMATIC FIRE SPRINKLER SYSTEM - WHEN REQUIRED, FIRE SPRINKLER SYSTEM SHALL BE INSTALLED AS PER N.F.P.A. 13D, THE MOST CURRENT EDITION
	SHALL BE USED AND THE ENCINITAS FIRE DEPARTMENT POLICIES. DETAILED SPRINKLER PLANS SHALL BE SUBMITTED TO THE FIRE PREVENTION BUREAU
	AND APPROVED PRIOR TO INSTALLATION. PLANS AND INSTALLATION MUST BE BY A C16 LICENSED SPRINKLER CONTRACTOR.
	SECTION 903.2.1 GROUP R - AN AUTOMATIC SPRINKLER SYSTEM INSTALLED     IN ACCORDANCE WITH SECTION 903.3 SHALL BE PROVIDED THROUGHOUT
	ALL BUILDINGS WITH A GROUP R FIRE AREA. THIS INCLUDES SINGLE FAMILY DWELLINGS, MULTI-FAMILY DWELLINGS AND ALL RESIDENTIAL CARE FACILITIES REGARDLESS OF OCCUPANT LOAD.
	<ul> <li>SECTION 903.2.1.1 ADDITION - AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH 903.3 MAY BE REQUIRED TO BE INSTALLED</li> </ul>
	THROUGHOUT STRUCTURES WHEN THE ADDITION IS MORE THAN 50% OF THE EXISTING BUILDING OR WHEN THE ALTERED BUILDING WILL EXCEED A
	FIRE FLOW OF 1,500 GALLONS PER MINUTE AS CALCULATED PER SECTION 507.3. THE FIRE CODE OFFICIAL MAY REQUIRE AN AUTOMATIC SPRINKLER
	SYSTEM BE INSTALLED IN BUILDINGS WHERE NO WATER MAIN EXISTS TO PROVIDE THE REQUIRED FIRE FLOW OR WHERE A SPECIAL HAZARD EXISTS
	SUCH AS: POOR ACCESS ROADS, GRADE, BLUFFS AND CANYON RIMS, HAZARDOUS BRUSH AND RESPONSE TIMES GREATER THAN 5 MINUTES BY A FIRE DEPARTMENT.
	SECTION 903.2.1.2 REMODELS OR RECONSTRUCTION - AN AUTOMATIC     SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3 MAY
	BE REQUIRED IF THE SCOPE OF WORK INCLUDES SIGNIFICANT MODIFICATION TO THE INTERIOR AND/OR ROOF OF THE BUILDING, AND THE
	COST OF THE INSTALLATION DOES NOT EXCEED 15 PERCENT OF THE CONSTRUCTION COSTS OF THE REMODEL.
	LOCATION AND SIZE OF WATER SERVICE UNDERGROUND SHALL BE INSTALLED AS SHOWN ON APPROVED FIRE SPRINKLER PLANS. A MINIMUM 1 INCH WATER SHALL BE INSTALLED
,	SHALL BE INSTALLED. A FIRE UNDERGROUND FLUSH CERTIFICATE SHALL BE REQUIRED AT FINAL
	ISPECTION. A HYDRO INSPECTION OF THE FIRE SPRINKLER SYSTEM IS REQUIRED PRIOR TO
	FRAME INSPECTION. ONLY NEW PIPING SHALL BE TESTED. STRUCTURES IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE SHALL PROVIDE
	AND MAINTAIN A FUEL MODIFICATION ZONE. FUEL MODIFICATION ZONES: THE APPLICANT SHALL PROVIDE AND MAINTAIN
	FIRE/FUEL BREAKS TO THE SATISFACTION OF THE ENCINITAS FIRE DEPARTMENT. FIRE/FUEL BREAKS SIZE (MINIMUM 100 FEET FROM STRUCTURE) AND COMPOSITION SHALL BE DETERMINED BY THE FIRE DEPARTMENT AND SHOWN
	ON THE IMPROVEMENT/GRADING PLANS, FINAL MAP AND BUILDING PLANS.
	ARCHITECTUAL GENERAL NOTES
	DO NOT SCALE THE DRAWING, USE THE DIMENSIONS ONLY. IF A DISCREPANCY IS FOUND TO EXIST, NOTIFY THE OWNER.
	THESE PLANS/SPECIFICATIONS AND ALL WORK SHALL COMPLY WITH CURRENT EDITION OF STATE OF CALIFORNIA TITLE 24 CCR AND CURRENT UPC, UMC AND
	DETAILS ARE INTENDED TO SHOW METHOD AND MANNER OF ACCOMPLISHING WORK. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT THE JOB DIMENSIONS OR CONDITIONS AND IS TO BE REVIEWED AND APPROVED BY THE CITY
	OF ENCINITAS.
	VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND STAKE OUT STRUCTURE FOR OWNER'S APPROVAL PRIOR TO STARTING ANY WORK.
5.	NOT USED ALL WEATHER-EXPOSED SURFACES IS TO HAVE A WEATHER-RESISTIVE BARRIER
	TO PROTECT THE INTERIOR WALL COVERING AND THAT EXTERIOR OPENINGS ARE TO BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF.
	SAFETY GLAZING (TEMPERED) IS REQUIRED FOR:
	A. WINDOWS ADJACENT TO HOT TUBS, SWIMMING POOLS, WHIRLPOOL, SAUNAS, STEAM ROOMS, BATHTUBS OR SHOWERS, STAIR ENCLOSURES AND WITHIN 60
	INCHES OF THE FLOOR. B. WINDOWS WITHIN A 24 INCH ARC OF EITHER VERTICAL EDGE OF DOORS IN
	THE CLOSED POSITION AND WITHIN 60 INCHES OF FLOOR.
	C. WINDOWS WITHIN 18 INCHES OF WALKING SURFACE.
	ALL NAILING IS TO BE IN COMPLIANCE WITH CODE, COMMON NAILS ONLY.
	INFILTRATION/ EXFILTRATION CONTROL ( 2-5317 A - C ) AT ALL NEW DOORS & WINDOWS
	A. DOORS AND WINDOWS ARE TO BE DESIGNED TO IMIT AIR LEAKAGE
	B. DOOR AND WINDOWS ARE TO BE CERTIFIED
	C. DOORS AND WINDOWS ARE TO BE FULLY WEATHER STRIPPED AT ALL JOINTS AND PENETRATIONS CAULKED AND SEALED.
	D. ALL NEW GLAZING WILL BE INSTALLED WITH A CERTIFYING LABEL
~	ATTACHED, SHOWING THE U-VALUE.
,	NOT USED
	PROVIDE ALL THE NECESSARY BACKING AND FRAMING FOR ALL

N sig 0 U 0 0 DI -L + T U INITAS • s Š - -**T H** 165 EN ----**A** e Z G N archite SIG P.O. ш -----0 USING THESE PERMIT READY CONSTRUCTION CUMENTS, THE RECIPIENT IS ACKNOWLEDGING CEPTANCE OF THE FOLLOWING CONDITIONS. THE USE OF THIS INFORMATION IS RESTRICTED THE ORIGINAL PROJECT FOR WHICH IT WAS EPARED FOR THE PRADU PROGRAM FOR THE TY OF ENCINITAS. THIS DOES NOT ELIMINATE OR DUCE THE RECIPIENT'S RESPONSIBILITY TO RIFY ANY AND ALL INFORMATION RELEVANT TO E RECIPIENT'S WORK AND RESPONSIBILITY ON IS PROJECT. DESIGN PATH STUDIO SHALL NOT RESPONSIBLE FOR TRANSLATION ERRORS. THE RECIPIENT RECOGNIZES AND KNOWLEDGES THAT THE USE OF THIS

ORMATION WILL BE AT THEIR SOLE RISK AND THOUT ANY LIABILITY OR LEGAL EXPOSURE TO SIGN PATH STUDIO. NO WARRANTIES OF ANY TURE, WHETHER EXPRESS OR IMPLIED, SHALL TACH TO THESE DOCUMENTS AND THE ORMATION CONTAINED THEREON. ANY USE, USE, OR ALTERATION OF THESE DOCUMENTS BY E RECIPIENT OR BY OTHERS WILL BE AT THE CIPIENT'S RISK AND FULL LEGAL SPONSIBILITY. FURTHERMORE, THE RECIPIENT LL, TO THE FULLEST EXTENT PERMITTED BY LAW, DEMNIFY AND HOLD DESIGN PATH STUDIO RMLESS FROM ANY AND ALL CLAIMS, SUITS, BILITY, DEMANDS, JUDGMENTS, OR COSTS ISING OUT OF OR RESULTING THERE FROM ON COUNT OF ANY INJURY, DEATH, DAMAGE OR SS TO PERSONS OR PROPERTY. THE DESIGNS REPRESENTED BY THESE PLANS

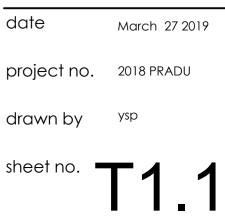
ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. F THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED BEYOND IFHIS DISCLAIMER.

oroject

PRADU City Of Enicintas

description

# Title Sheet 2 Bedroom





2 Bedroom -SIDING view #1



2 Bedroom -STUCCO view #1





2 Bedroom -SIDING view #2





2 Bedroom -STUCCO view #2



2 Bedroom -STONE VENEER view #2



2 Bedroom - SIDING view #3



2 Bedroom -STUCCO view #3

0 -N 0 σ **\_\_\_\_** . U S S C 0 0 S T U | ATH 230145 EV D ----0 U DESIGNP/ P.O. BOX 2 0 chi Ζ 5 5 σ -----S ш 

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THE CITY OF ENCINITAS. THIS DOES NOT ELIMINATE O REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL

RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION.

IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

project

PRADU City Of Enicintas

description Exterior Material Options 2 Bedrooms

date	March 27 2019
project no.	2018 PRADU
drawn by	ysp
sheet no. 🗖	T1.2

## Stormwater Pollution Control BMP Notes **Relative to Construction Activities**

### **Concrete Washout**

 Contractor shall establish and use an adequately sized concrete washout area to contain washout wastes on site. It is illegal to wash concrete, slurry, mortar, stucco, plaster and the like into the stormwater conveyance system or any receiving water. Contractor shall post a sign designating the washout location.

## **Construction Site Access**

 A stabilized construction site access shall be provided for vehicles egress and ingress to prevent tracking dirt off site. This shall include using material such as gravel and/or corrugated steel panels/plates.

### Construction Vehicles

 A specific area away from gutters and stormdrain shall be designated for construction vehicles parking, vehicle refueling, and routine equipment maintenance. All major repairs shall be made off-site.

### **Erosion Control**

- Erosion control must be provided for all erosive surfaces. Sloped surfaces especially shall be protected against erosion by installing erosion resistant surfaces such as erosion control mats, adequate ground cover vegetation and bonded fiber matrix.
- No excavation and grading activities are allowed during wet weather.
- Diversion dikes shall be constructed to channel runoff around the construction site. Contractor shall protect channels against erosion using permanent and temporary erosion control measures.
- Remove existing vegetation only when absolutely necessary. Large projects shall be conducted in phases to avoid unnecessary removal of the natural ground Do not remove trees or shrubs unnecessarily; they help
- decrease erosion. Temporary vegetation must be planted on slopes or where construction is not immediately planned for erosion control purposes. Erosion shall be prevented by
- planting fast-growing annual and perennial grasses to shield and bind the soil. Plant permanent vegetation as soon as possible, once
- excavation and grading activities are complete. • Water usage for dust control shall be minimized.
- **On-site Construction Material Storage** · Stored materials shall be contained in a secure place to prevent seepage and spillage. Contractor shall store these products where they will stay dry out of the rain Contractor shall provide secondary containment for all fuel stored on-site.

 Eliminate or reduce pollution of stormwater from stockpiles kept on-site. Stockpiles may include soil, paring materials, asphalt concrete, aggregate base, etc. Stockpiles shall be located away from concentrated stormwater flows and stormdrain inlets. Stockpiles shall be covered or protected with soil stabilization measures and provided with a temporary sediment barrier around the perimeter at all times.

## Training

- Contractors' employees who perform construction in the City of Encinitas shall be trained to be familiar with the City of Encinitas stormwater pollution control requirements. These BMP notes shall be available to everyone working on site. The property owner(s) and the prime contractor must inform subcontractors about stormwater requirements and their own responsibilities.
- Waste Management · Contractor shall be responsible for properly disposing of all waste and unused construction materials. Dumping of unused or waste products on the ground, where water can carry them into the conveyance system is strictly prohibited
- No seepage from dumpsters shall be discharged into stormwater. Berms/dikes shall be placed around dumpsters
- to divert the natural storm runoff. Dumpsters shall be checked frequently for leaks. Dumpster lids shall remain closed at all times. Dumpsters without lids shall be placed within structures with impervious roofing or covered with tarps in order to avoid rain contact with any trash material.
- Many construction materials, including solvents, waterbased paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation can be recycled. Non-recyclable materials must be taken to an appropriate landfill or disposed of as hazardous waste. For information on disposal of hazardous material, call the Hazardous Waste Hotline toll free at (800) 714-1195. For information on landfills and to order dumpsters call EDCO at (760) 436-4151.
- Pollutants shall be kept off exposed surfaces. Place trash cans and recycling receptacles around the site
- Portable toilets must be in good working order and checked frequently for leaks. Contractor shall provide secondary containment and locate portable toilets away from stormdrain inlets on pervious surfaces
- All construction debris shall be kept away from the street, gutter, and stormdrain. Contractor must routinely check and clean up material that may have traveled away from construction site.

## **Right-of-Way Note**

Owner is to obtain a construction permit from the Engineering Department at least 48 hours prior to working in the public right of way. Failure to do so will result in an issuance of a stop work notice and double permit fees. It is the responsibility of the owner to know the location of the property line.

## Utility Note

All utilities serving this site shall be installed underground.

## Drainage Note

No concentrated drainage flows are permitted over adjacent property lines. Water is to drain away from structures for a minimum of 5 feet at 2 percent and be conveyed to an approved drainage facility.

### Earthwork Note

a pervious surface).

Earthwork, cut or fill, which is over 50 cubic yards, requires an additional Engineering Grading Permit Provide earthwork quantities:

\_ cubic yards over-excavation and re-compaction

## Construction Best Management Practices (BMP) Note Erosion control measures (e.g. bonded fiber matrix, vegetative cover, jute matting) must be implemented where applicable to prevent soil erosion on site. Sediment control measures (e.g. silt fencing, fiber rolls, detention basins) must be in place to prevent eroded soil from leaving site. Materials management BMP must also be followed to ensure no contact of rainwater with materials that may contribute to water guality degradation downstream (e.g. concrete or stucco washout areas. covered storage areas for hazardous materials, placement of portable toilets over

## Post-Construction Best Management Practices (BMP) Note

No directly connected impervious areas (DCIA) shall be allowed. DCIA means storm runoff generated and conveyed via impervious areas, such as roof, roof drain, driveway, and street. BMP measures shall be identified on the site plan. Most common measures are designated turf areas, which receive roof drains and runoff from impervious areas. Turf and landscaped areas that are designed for BMP's shall be delineated on plans and a note placed on plans prohibiting modification or removal of the BMP landscape areas without a City permit.

## Grading/Improvement Plans/Permits

If a grading/improvement plan/permit is approved for the project site, it shall supersede all grading, drainage, onsite, offsite, and storm water Best Management Practice improvements contained in these plans in the event of conflict.

Total Area of New Impervious Surfaces = (Increase to building footprint, patios, decks, hardscape, etc.)

Total Area of Replaced Impervious Surfaces = (Replacement to building footprint, patios, decks, hardscape, etc.)

## **EXISTING SWIMMING POOL REQUIREMENTS**

WHEN A BUILDING PERMIT IS ISSUED FOR THE CONSTRUCTION OF A NEW SWIMMING POOL OR SPA OR THE REMODELING OF AN EXISTING SWIMMING POOL OR SPA AT A PRIVATE SINGLE-FAMILY HOME, THE RESPECTIVE SWIMMING POOL OR SPA SHALL BE EQUIPPED WITH AT LEAST TWO OF THE FOLLOWING SEVEN DROWNING PREVENTION SAFETY FEATURES: (1) AN ENCLOSURE THAT MEETS THE REQUIREMENTS OF SECTION 115923 AND ISOLATES THE SWIMMING

POOL OR SPA FROM THE PRIVATE SINGLE-FAMILY HOME. (2) REMOVABLE MESH FENCING THAT MEETS AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) SPECIFICATIONS F2286 STANDARDS IN CONJUNCTION WITH A GATE THAT IS SELF-CLOSING AND

SELF-LATCHING AND CAN ACCOMMODATE A KEY LOCKABLE DEVICE. (3) AN APPROVED SAFETY POOL COVER, AS DEFINED IN SUBDIVISION (D) OF SECTION 115921.

(4) EXIT ALARMS ON THE PRIVATE SINGLE-FAMILY HOME'S DOORS THAT PROVIDE DIRECT ACCESS TO THE SWIMMING POOL OR SPA. THE EXIT ALARM MAY CAUSE EITHER AN ALARM NOISE OR A VERBAL WARNING, SUCH AS A REPEATING NOTIFICATION THAT "THE DOOR TO THE POOL IS OPEN." (5) A SELF-CLOSING, SELF-LATCHING DEVICE WITH A RELEASE MECHANISM PLACED NO LOWER THAN 54 INCHES ABOVE THE FLOOR ON THE PRIVATE SINGLE-FAMILY HOME'S DOORS PROVIDING DIRECT ACCESS TO THE SWIMMING POOL OR SPA.

(6) AN ALARM THAT, WHEN PLACED IN A SWIMMING POOL OR SPA, WILL SOUND UPON DETECTION OF ACCIDENTAL OR UNAUTHORIZED ENTRANCE INTO THE WATER. THE ALARM SHALL MEET AND BE INDEPENDENTLY CERTIFIED TO THE ASTM STANDARD F2208 "STANDARD SAFETY SPECIFICATION FOR RESIDENTIAL POOL ALARMS." WHICH INCLUDES SURFACE MOTION. PRESSURE, SONAR, LASER, AND INFRARED TYPE ALARMS, A SWIMMING PROTECTION ALARM FEATURE DESIGNED FOR INDIVIDUAL USE INCLUDING AN ALARM ATTACHED TO A CHILD THAT SOUNDS WHEN THE CHILD EXCEEDS A CERTAIN DISTANCE OR BECOMES SUBMERGED IN WATER. IS NOT A QUALIFYING DROWNING PREVENTION SAFET FEATURE.

(7) OTHER MEANS OF PROTECTION, IF THE DEGREE OF PROTECTION AFFORDED IS EQUAL TO OR GREATER THAN THAT AFFORDED BY ANY OF THE FEATURES SET FORTH ABOVE AND HAS BEEN INDEPENDENTLY VERIFIED BY AN APPROVED TESTING LABORATORY AS MEETING STANDARDS FOR THOSE FEATURES ESTABLISHED BY THE ASTM OR THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME).

(B) BEFORE THE ISSUANCE OF A FINAL APPROVAL FOR THE COMPLETION OF PERMITTED CONSTRUCTION OR REMODELING WORK, THE LOCAL BUILDING CODE OFFICIAL SHALL INSPECT THE DROWNING SAFETY PREVENTION FEATURES REQUIRED BY THIS SECTION AND, IF NO VIOLATIONS ARE FOUND, SHALL GIVE FINAL APPROVAL

## FIRE NOTES

- 1. NEW AND EXISTING BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS OR APPROVED BUILDING IDENTIFICATION PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FORM THE STREET OR ROAD FRONTING THE PROPERTY. THESE NUMBERS SHALL BE A MINIMUM OF 4 INCHES HIGH WITH A MINIMUM STROKE OF .5 INCHES. WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT. POLE OR OTHER SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. CFC SECTION 505.1
- ALL FIRE APPARATUS ROADS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED VERTICAL CLEARANCE OF NO LESS THAN 13 FEET 6 INCHES

SITE PLAN SHALL PROVIDE DIMENSIONS SHOWING REQUIRED FIRE APPARATUS ACCESS ROADS. FIRE ACCESS ROADWAYS SHALL HAVE AN UNOBSTRUCTED IMPROVED WIDTH OF NOT LESS THAN 24 FEET.

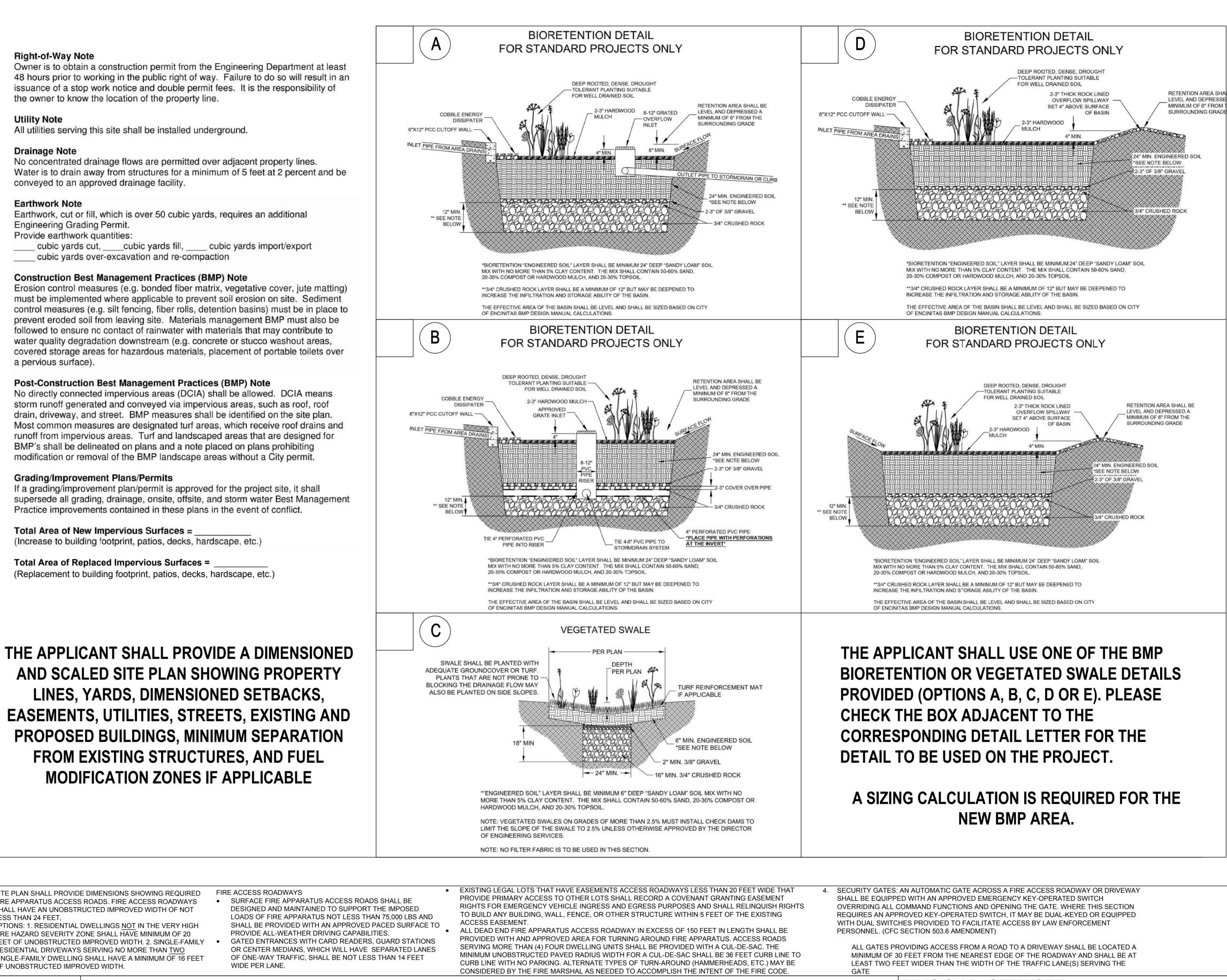
EXCEPTIONS: 1. RESIDENTIAL DWELLINGS NOT IN THE VERY HIGH FIRE HAZARD SEVERITY ZONE SHALL HAVE MINIMUM OF 20 FEET OF UNOBSTRUCTED IMPROVED WIDTH. 2. SINGLE-FAMILY RESIDENTIAL DRIVEWAYS SERVING NO MORE THAN TWO SINGLE-FAMILY DWELLING SHALL HAVE A MINIMUM OF 16 FEET OF UNOBSTRUCTED IMPROVED WIDTH

## **GENERAL NOTES**

- 1. SEE BUILDING PLANS FOR ALL OTHER DIMENSIONS 7. AND NOTES NOT SHOWN. 2. SEE BUILDING PLANS AND SCHEDULES FOR ALL
- EXTERIOR DOOR AND WINDOW REFERENCES AND I OCATIONS
- 3. YARD SETBACKS ARE TO BE MEASURED FROM THE EXTERIOR WALL FINISH TO THE PROPERTY LINE AND NOT FROM THE OUTSIDE OF THE FOOTING (OR FACE OF STUDS). THE PLANS MUST BE DESIGNED WITH THE WALL FINISH THICKNESS (I.E. 7/8" STUCCO, ETC.) ADDED TO THE PLAN FOR THE SETBACK MEASUREMENT. THE FIELD INSPECTOR WILL ADD THE PLANNED WALL FINISH THICKNESS TO THE FOUNDATION SETBACK.
- 4. NEW ELECTRIC SERVICE IS TO BE LOCATED POOLS, SPAS, WALLS, FENCES, PATIO COVERS AND OTHER 10. PROJECTIONS, INCLUDING EAVES, MUST BE AT FREESTANDING STRUCTURES REQUIRE SEPARATE **REVIEWS AND PERMITS**
- LANDSCAPE AND IRRIGATION WATER USE SHALL HAVE WEATHER OR SOIL BASED CONTROLLERS
- 6. ADU WILL BE CONNECTED TO THE PUBLIC SEWER SYSTEM OR WILL PROVIDE A COMPLYING SEPTIC SYSTEM
- CAL-OSHA PERMIT IS REQUIRED FOR EXCAVATIONS DEEPER THAN 5' AND SHORING AND UNDERPINNING. A DIMENSIONED SITE PLAN DRAWN TO SCALE SHALL BE PROVIDED SHOWING THE FOLLOWING: NORTH ARROW. PROPERTY LINES, EASEMENTS, STREETS, EXISTING AND PROPOSED BUILDINGS, AND STRUCTURES, LOCATION OF YARDS USED FOR ALLOWABLE INCREASE OF BUILDING AREA, DIMENSIONED SETBACKS, MINIMUM SEPARATION FROM EXISTING STRUCTURES AND FUEL MODIFICATION ZONES PER UNIFORM ADMINISTRATIVE CODE SECTION 302. IF A GRADING PLAN IS REQUIRED, INCORPORATE THE ENTIRE APPROVED GRADING PLAN/IMPROVEMENT PLAN (ALL SHEETS) WITH THE BUILDING PLANS. LEAST 24" FROM PROPERTY LINES.

SITE SHALL BE PLANNED AND DEVELOPED TO KEEP SURFACE WATER AWAY FROM BUILDINGS. PLANS SHALL BE PROVIDED AND APPROVED BY THE CITY ENGINEER THAT SHOW SITE GRADING AND PROVIDE FOR STORM WATER RETENTION AND DRAINAGE DURING CONSTRUCTION, BMP'S THAT ARE CURRENTLY ENFORCED BY THE CITY ENGINEER MUST BE IMPLEMENTED PRIOR TO INITIAL INSPECTION BY THE BUILDING DEPT.

- 2. 65 % OF CONSTRUCTION WASTE IS TO BE RECYCLED.
- 3. VOC'S MUST COMPLY WITH THE LIMITATION LISTED IN SECTION 4.504.3
- 4. INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS SHALL BE PROVIDED BY THE SOIL ENGINEER. IF A SOIL ENGINEER HAS NOT PREPARED A SOIL REPORT FOR THIS PROJECT, THE FOLLOWING IS REQUIRED: A 4" THICK BASE OF 1/2" OR LARGER CLEAN AGGREGATE CONCRETE, WITH A CONCRETE MIX DESIGN WHICH WILL ADDRESS BLEEDING, SHRINKAGE AND CURLING SHALL BE USED.



## **GREEN BUILDING CODE NOTES**

AND TABLES 4.504.1, 4.504.2, 4.504.3, AND 4.504.4 FOR: ADHESIVES, PAINTS AND COATINGS, CARPET AND COMPOSITION WOOD PRODUCTS.

SHALL BE PROVIDED WITH A VAPOR BARRIER IN DIRECT CONTACT WITH

MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 19% BEFORE IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED. BUILDING MATERIAL WITH VISIBLE SIGNS OF WATER DAMAGE SHOULD NOT BE USED IN CONSTRUCTION. THE MOISTURE CONTENT MUST BE DETERMINED BY THE CONTRACTOR BY ONE OF THE LISTED METHODS LISTED IN CGC SECTION 4.503.3

- PRIOR TO FINAL APPROVAL OF THE BUILDING THE LICENSED CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE AND SIGN THE GREEN BUILDING STANDARDS CERTIFICATION FORM AND GIVEN TO THE BUILDING DEPT OFFICIAL TO BE FILED WITH THE APPROVED PLANS
- 7. LANDSCAPE IRRIGATION WATER USE SHALL HAVE WEATHER BASED CONTROLLERS.
- PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION BY ONE OF THE FOLLOWING: A. RETENTION BASIN. B. WHERE STORM WATER IS CONVEYED TO A PUBLIC DRAINAGE SYSTEM. WATER SHALL BE FILTERED BY USE OF A BARRIER SYSTEM, WATTLE OR OTHER APPROVED METHOD. CGC 4.106.2.
- THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN TO THE JURISDICTION AGENCY THAT REGULATES WASTE MANAGEMENT, PER CGC 4.408.2.
- CHARGE OF THE OVERALL CONSTRUCTION MUST COMPLETE 10. THE BUILDER IS TO PROVIDE AN OPERATION MANUAL (CONTAINING INFORMATION FORM MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT THE TIME OF FINAL INSPECTION. CGC 4.410.0
  - 11. DURING CONSTRUCTION, ENDS OF DUCT OPENINGS ARE TO BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE COVERED. CGC 4.504.1
  - 12. BATHROOM FANS SHALL BE ENERGY STAR RATED, VENTED DIRECTLY TO THE OUTSIDE AND CONTROLLED BY A HUMIDISTAT.

# **DIVISION 2 - SITEWORK**

1. SITE PREPARATION PROJECT IS TO BE STAKED OUT FOR OWNER APPROVAL BEFORE FOR EARTHWORKIS TO BEGIN.

2. SITE CLEARING

CONTRACTOR WILL VERIFY WITH OWNER ALL PLANTING TO BE REMOVED PRIOR TO STARTING WORK

3. LINES AND LEVELS

THE CONTRACTOR WILL VISIT THE SITE AND EVALUATE GRADE CONDITION. FOR BIDDING PURPOSES, THE CONTRACTOR WILL CALCULATE HIS OWN CUT AND FILL QUANTITIES BASED ON THE SITE PLAN.

4. SHORING IS TO BE PROVIDE AS REQUIRED 5. EARTH WORK

a. REMOVE AND RECOMPACT LOOSE TOPSOIL AND SLIGHTLY ALTER THE EXISTING TOPOGRAPHY. ALL GRADING SHOULD BE PERFORMED IN ACCORDANCE WITH THE CITY OF ENCINITAS GRADING ORDINANCE

b. THE CONTRACTOR IS TO VERIFY THE LOCATION OF UTILITY SERVICE IN THE AREA PRIOR TO EXCAVATION

2. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL FINISH GRADES ARE TO SLOPE AWAY FROM THE BUILDING AND EXTERIOR PAVING 1/4" PER FOOT MINIMUM FOR A MINIMUM DISTANCE OF 5'-0". LOT DRAINAGE TO AVOID POOLING AT BUILDING.

STUDIO	sign	
~/	C	
	0	
	+	
-	O	
1	_	
$\triangleleft$	7	
0	Ŧ	
Creation and	ec	
	te	
7	•—	
Ζ	-	
(D	C	
0	a r	
S	0	
10		
0)		
ш		
0		
$\square$		

0 U 0 D -S T F 4 4 Z 0 S ш 0

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THE CITY OF ENCINITAS. THIS DOES NOT ELIMINATE OF REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW. INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS

ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. IF THE RECIPIENT DOES NOT AGREE WITH THE

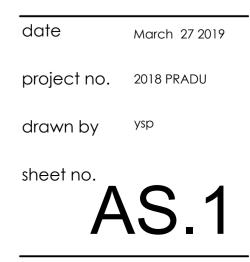
ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

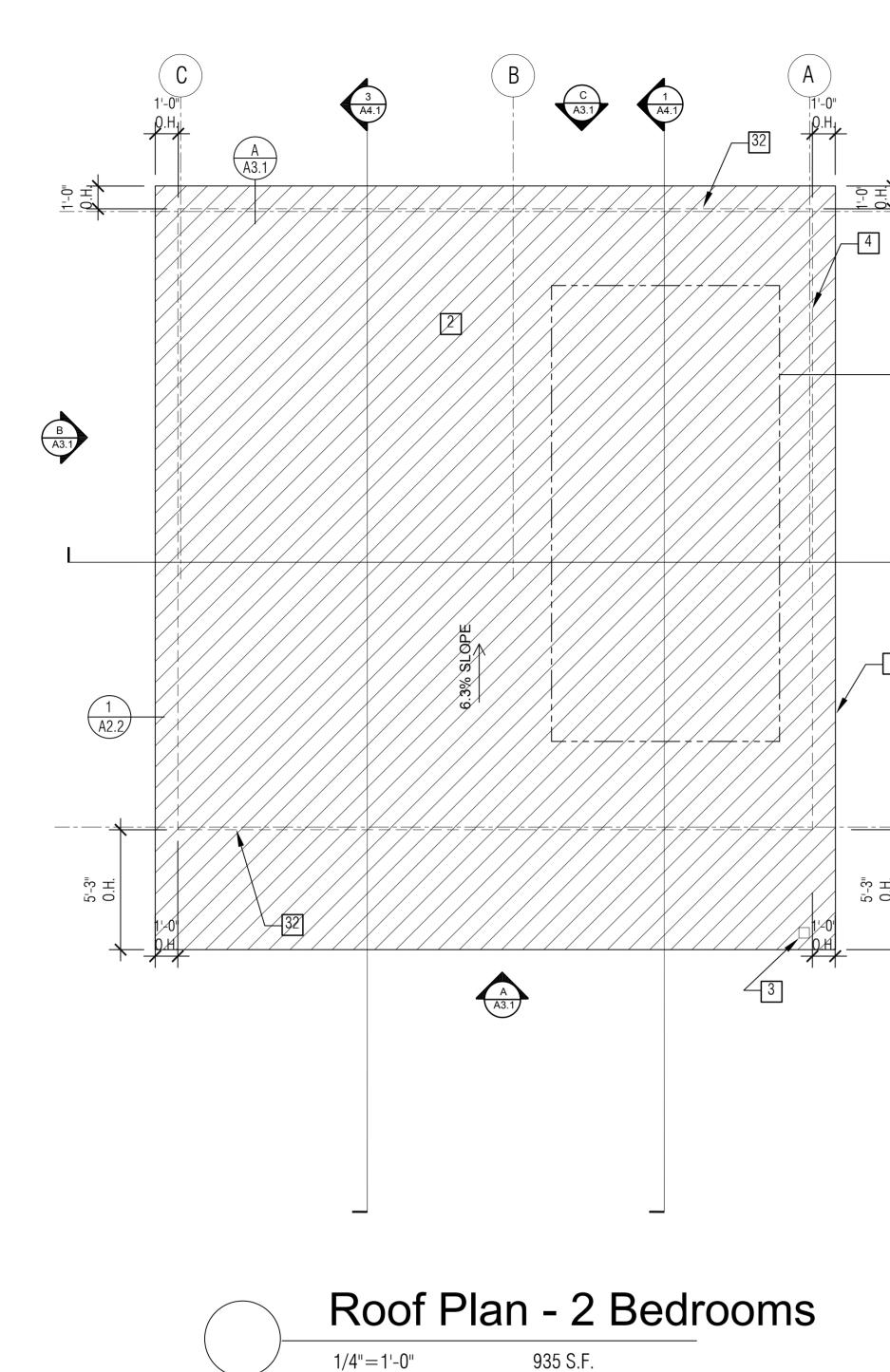
project

PRADU **City Of Enicintas** 

description

# Site Information 2 Bedroom





## **KEYNOTES**

- 1 LINE OF ROOF OVERHANG 2 CLASS A ROOFING MATERIAL 3 SUPPORT POST BELOW 4 LINE OF WALLS BELOW 5 BEAMS PER STRUCTURAL DRWGS. 6 NOT USED
- 7 NOT USED 8 VENT DRYER THROUGH WALL
- 9 NOT USED
- 10 NEW TANKLESS WATER HEATER 12 36" HIGH COUNTER
- 13 NOT USED
- 14 NOT USED
- 15 NOT USED
- 16 NOT USED
- 17 NOT USED
- 18 CLOSET SHELF AND POLE
- 19 SLOPE SURFACE AWAY FROM BUILDING
- 20 PER SECTION 301.1.1 CALGREEN AND CIVIL CODE 27 1101.3(c), ALL PLUMBING FIXTURES SHALL BE COMPLIANT WATER -CONSERVING PLUMBING FIXTURES.
- 21 MECHANICAL DUCT CHASE
- 22 CLOSET TO BE SIZED PER HOMEOWNER REQUIREMENTS OR PER CURRENT MECHANICAL 28 CODE WHEN USED FOR HVAC
- 23 NOT USED
- 24 NOT USED
- 25 NOT USED
- 26 DRYER VENT TERMINATION ON EXTERIOR
  - WALL TO BE A MINIMUM OF 3 FT FROM ANY OPENING

WATER CONSERVING FIXTURES: NEW WATER 30 NOT USED CLOSETS SHALL USE NO MORE THAN 1.28 MAY NOT EXCEED 1.2 GPM, KITCHEN FAUCETS MAY NOT EXCEED 1.8 GPM, AND SHOWERS MAY NOT EXCEED 1.8 GPM OF FLOW.

WALL COVERING SHALL BE CEMENT PLASTER, 

 WALL COVERING SHALL BE GEWILLING EDUCATION

 TILE OR APPROVED EQUAL TO 72" ABOVE DRAIN

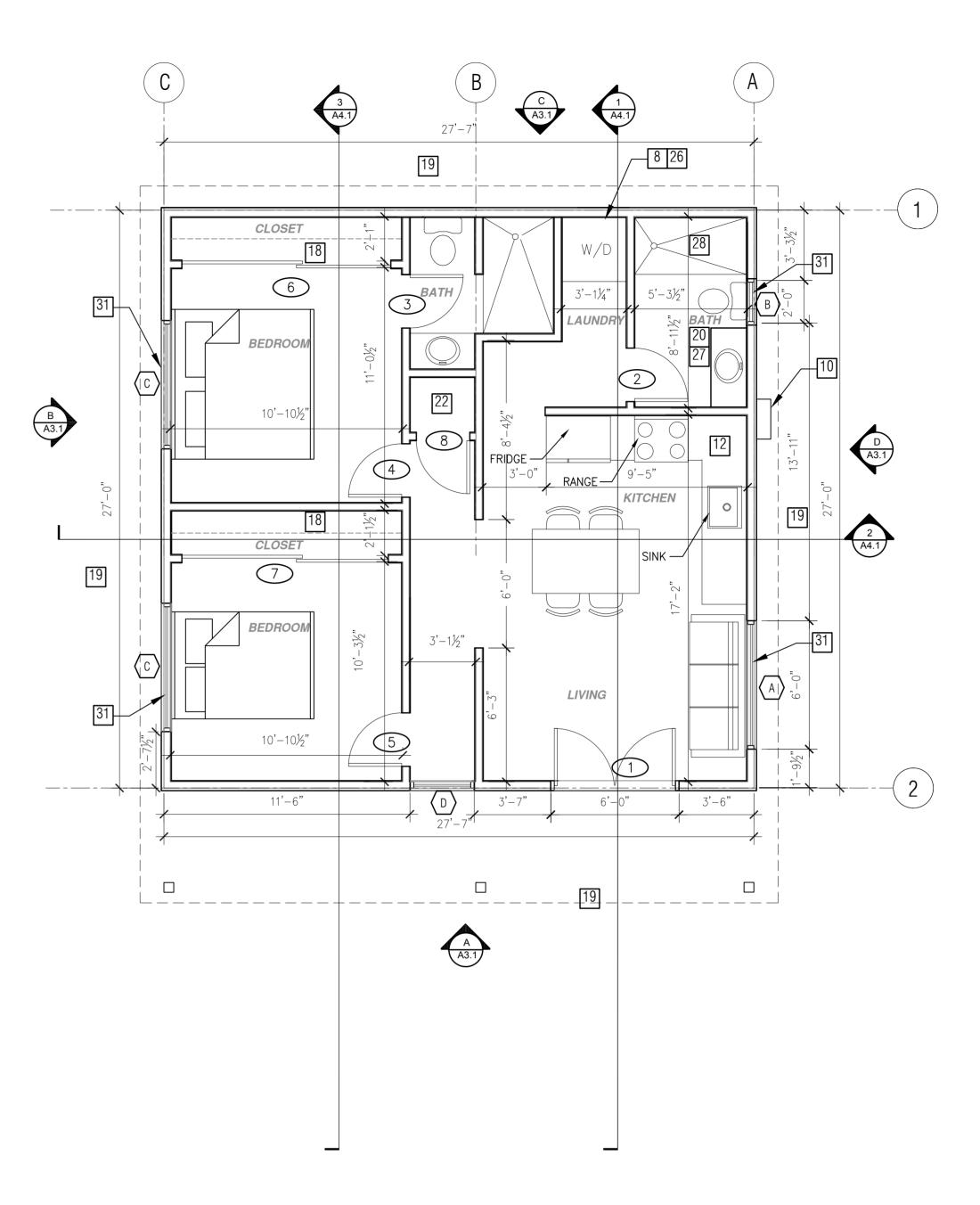
 32

 AT SHOWERS OR TUB WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS ARE TO BE MOISTURE RESISTANT. CRC R307.2

N	CLASS A ROOF ASSEMBLY
	A CLASS A ROOF ASSEMBLY SHALL BE INSTALLED. IF THE APPLICANT DEVIATES FROM THE ROOF SPECIFICATIONS ON SHEET T1.1 THE APPLICANT SHALL PROVIDE A COPY OF THE ICC/UL LISTING ICC NUMBER UL NUMBER
	SOLAR READY ROOF AREA
	MIN. DIMENSION > 5FT. MIN. SF > 180SF PER CALIFORNIA ENERGY CODE 200 SF PROVIDED ROOF 1,000 SQFT/ 15%=150 SQFT REQUIRED
A3.1	
Y	ROOF VENTING AREA – NON RATED EAVE
	1 SF OF ROOF VENTING PER 150 SF OF ENCLOSED AREA OR ENCLOSED RAFTER AREA
A4.1	FLOOR ENCLOSED RAFTER AREA =745 SF
	VENTILATION AREA REQUIRED: 5 SF 950 SF/150 SF= 5 SF
.1	VENTILATION AREA PROVIDED: 6.75 SF 3" DIA HOLE X 2 PER RAFTER BAY
	ſ
	NON VENTED - FIRE RATED EAVE
H.O	PER SECTION R806.5/EM3.9.6: a. IF INSULATION IS AIR-PERMEABLE AND IT IS INSTALLED DIRECTLY BELOW THE ROOF SHEATHING WITH RIGID BOARD OR SHEET INSULATION WITH A MINIMUM R-4 VALUE INSTALLED ABOVE THE ROOF SHEATHING. (OR) b. IF THE INSULATION IS AIR-IMPERMEABLE AND IS IN DIRECT CONTACT WITH THE UNDERSIDE OF THE ROOF SHEATHING. (OR) c. IF TWO LAYERS OF INSULATION ARE INSTALLED
<b>\</b>	BELOW THE ROOF SHEATHING: AN AIR-IMPERMEABLE LAYER IN DIRECT CONTACT WITH THE UNDERSIDE OF THE ROOF SHEATHING AND AN ADDITIONAL LAYER OF AIR PERMEABLE INSULATION INSTALLED DIRECTLY UNDER THE AIR IMPERMEABLE INSULATION.
	PROJECTIONS

PROJECTIONS, INCLUDING EAVES, MUST BE AT

LEAST 24" FROM PROPERTY LINE





# **GENERAL NOTES**

## 1. ALL DIMENSIONS TO FACE OF STUD,

U.N.O. 2. ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.

3. WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. CONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY OWNER OF ANY DISCREPANCIES.

4. REFER TO FRAMING PLANS AND SECTIONS FOR CLARIFICATION AND DIM. NOT SHOWN .

5. ALL ROOF DRAIN PIPES TO BE MIN. 2" STORM DRAINAGE SYSTEM

**ROOF GUTTERS:** STYLE A . INSTALLED AND DESIGNED IN ACCORDANCE WITH SMACNA MANUAL, PLATE #1,#2 & #3,GUTTER. PAGE 6 - 11, WIDTH AS REQUIRED TO HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2.

GUTTER: SIZE; PAGES 1,2, 3, 4, 5 &6, CHARTS#1,#2,#3,#4,#5#6 & #7 STYLE; PLATE #2, STYLE A, PAGE 9 EXPANSION; PLATE #6, PAGE 16 & 17 HANGING; PLATE #19, FIG. C, PAGE 43.

DOWN SPOUTS: PLAIN RECTANGULAR.AS REQUIRED BY SMACNA MANUAL CHART #3, PAGE #3. SEE ARCHITECT FOR LOCATIONS OF DOWN SPOUTS. ALL DOWN SPOUTS ARE TO BE DESIGNED TO HANDLE THE AMOUNT OF ROOF WATER FOR MAXIMUM STORMS, SMACNA CHART #2, PAGE #2. DOWN SPOUTS ARE TO DEPOSIT DIRECTLY OVER A NDS 6 INCH SQUARE, MODEL 641 OR APPROVED EQUAL.(SEE SECTION 02710 MORE INFORMATION ) 6. TRANSITION OF FLOOR MATERIALS DOOR IN THE CLOSED POSITION. TRANSITION OF FLOOR MATERIAL OCCURRING WITH NO DOOR TO BE

PARTITION, U.O.N 7. DIFFUSERS AND GRILLS TO MATCH

MOUNTED, U.O.N. 8. FLOOR FINISH TO CONTINUE UNDER

9. PLUMBING, ELECTRICAL, AND SPRINKLER C.A.C. 10. NOT USED

11. ALL FINISH MATERIAL MUST MEET ALL APPLICATION FIRE, LIFE SAFETY, AND BUILDING CODES. 12. OPERATION AND MAINTENANCE MANUAL: THE BUILDER IS TO PROVIDE AN

OPERATION MANUAL (CONTAINING INFORMATION FOR MAINTAINING APPLIANCES, ETC.) FOR THE OWNER AT

THE TIME OF FINAL INSPECTION. 13. WEEP SCREED FOR STUCCO AT THE FOUNDATION PLATE LINE SHALL BE A MIN. OF 4" ABOVE THE EARTH OR 2" ABOVE PAVED AREAS. CRC R703.7.2.1, CBC 2512.1.2 OCCURRING IN OPENINGS WITH DOORS TO 14. FASTENERS AND CONNECTIONS (NAILS, BE LOCATED UNDER THE CENTER OF THE ANCHORS BOLTS ECT) IN CONTACT WITH PRESERVATIVE - TREATED WOOD SHALL BE OF HOT -DIPPED ZINC-COATED GALVANIZED

STEEL, STAINLESS STEEL, SILICON BRONZE LOCATED TO ALIGN WITH THE FACE OF THE OR COPPER. (CRC R317.3, CBC 2304.10.5.1) 15. ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WASHERS A MIN. OF 0.229" X 3" X 3" COLOR OF SURFACE AT WHICH THEY ARE IN SIZE, BETWEEN SILL PLATE AND NUT. (CRC R602.11.1, CBC 2308.3.2 ACCEPTANCE ALTERNATIVE SDPWS 4.3.6.4.3)

MILLWORK WHERE FLOOR IS VISIBLE (I.E. 16. FUTURE WATER HEATERS AND PLUMBING TRASH, RECYCLING, ECT.) 8. SILICON FIXTURES SHALL MEET THE REQUIREMENTS SEALANT AT GLAZING TO BE CLEAR, U.O.N. OF SECTION 2-5314 AND TABLE 2-53G, TITLE 24

EQUIPMENT, IF REQUIRED TO BE PAINTED 17. 15, 20 AND 30 AMP. RECEPTACLE OUTLETS TO MATCH COLOR OF ADJACENT SURFACE. SHALL BE INSTALLED WITH CENTERS NOT LESS THAN 15" ABOVE THE FLOOR.

## GALLONS OF WATER PER FLUSH, LAVATORIES 31 VINYL WINDOW MUST HAVE A FRAME AND SASH COMPRISED OF VINYL MATERIAL WITH WELDED CORNERS, METAL REINFORCEMENT IN THE INTERLOCK AREA, AND CONSTRUCTED OF MULTIPANE GLAZING WITH A MINIMUM OF ONE

RAFTER VENTS TO MEET REQUIRED VENTILATION TO ENCLOSED RAFTER SPACES. MAX  $\frac{1}{4}$ ", MIN  $\frac{1}{16}$ " OPENING SIZE ON VENT SCREEN WITH 1 SF OF VENTING PER 150 SF OF ENCLOSED RAFTER AREA IN NON-

TEMPERED PANE.

COOROSION-RESISTANT WIRE SCREEN MATERIAL FIRE RATED CONSTRUCTION

### 0 $\square$ σ 0 . ()S S C 0 0 -S T 0 ----0 A O **D** 0 Z -Ζ • ----P.O. 5 U S 5 ш σ -----S ш

 $\Box$ 

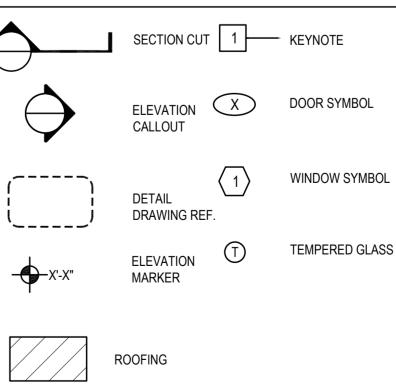
BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THE CITY OF ENCINITAS. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW. INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO

COPYRIGHT PROTECTION. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

# Floor Plan - 2 Bedroom

745 S.F.

# LEGEND

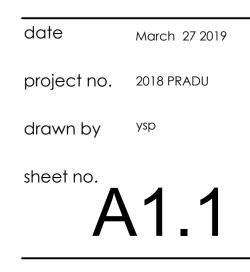


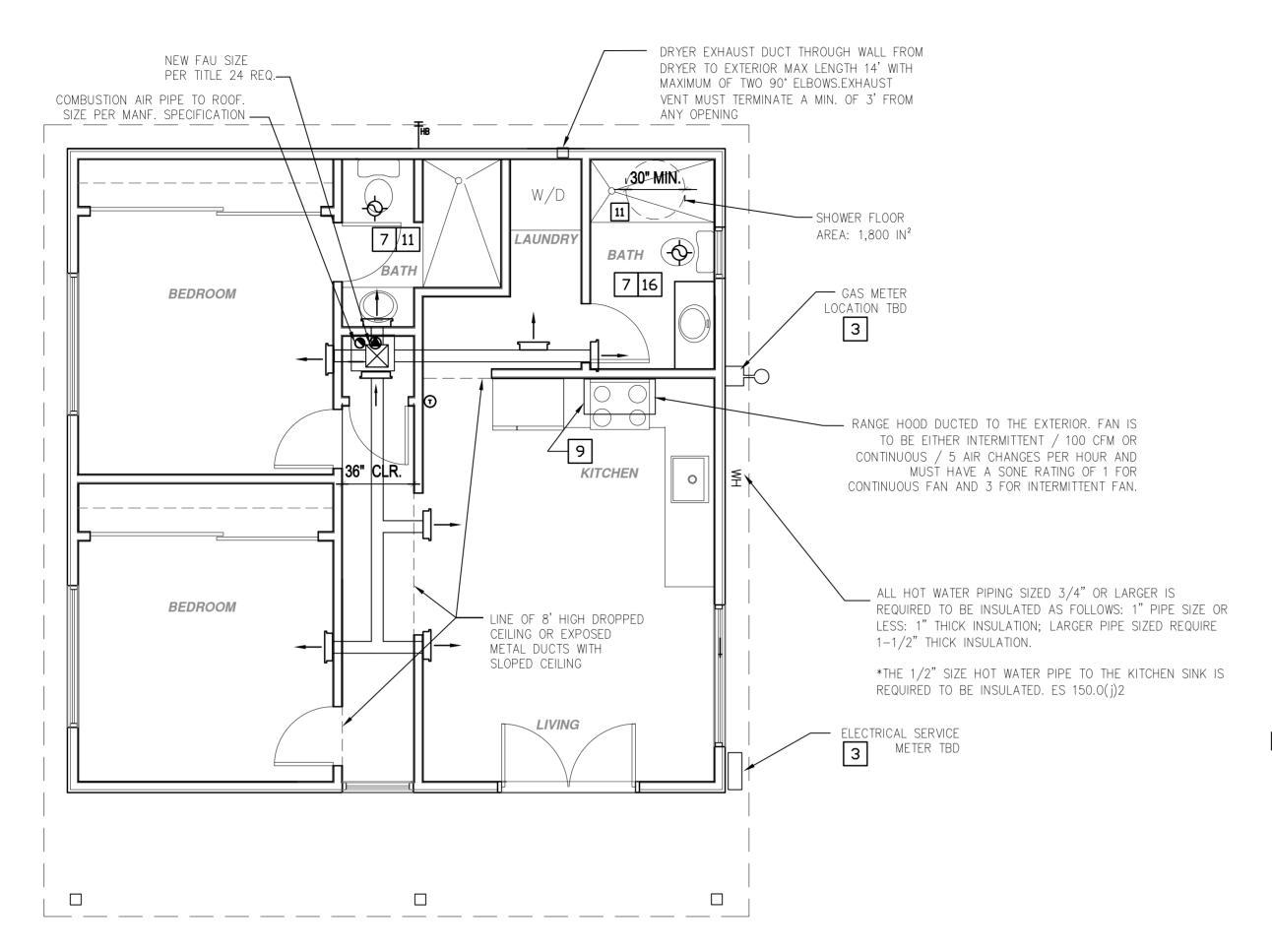
project

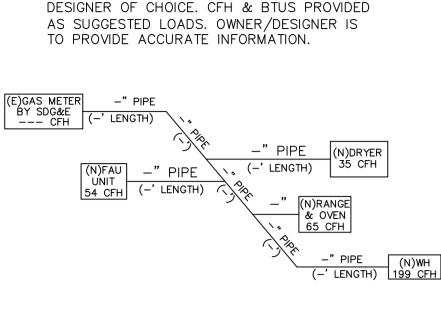
## PRADU City Of Enicintas

## description

# Floor Plan/ Roof Plan 2 Bedroom







NOTE: EXISTING GAS SERVICE AND METER

SIZE TO BE PROVIDED BY HOMEOWNER AND

UPDATED ISOMETRIC LAYOUT PROVIDED BY

## GAS PIPE ISOMETRIC LAYOUT

GAS CALCULATIONS						
APPLIANCE	QTY	CFH	TOTAL CFH			
(NEW) DRYER	1	35	35			
(NEW) OVEN & RANGE	1	65	65			
(NEW) WATER HEATER	1	199	199			
(NEW) FURNACE UNIT	1	54	54			
TOTAL GAS LOAD FOR HOUSEHOLD						
APPLIANCES = $353,000 \text{ BTU/h}$						
3	53 CFH					

PIPE SIZE SCHEDULE 40 METALLIC PIPE 125' LENGTH PER TABLE 1216.2(1) CALIFORNIA PLUMBING CODE						
SIZE	½"	3⁄4"	1"	1¼"	1½"	2"
CFH	44	92	173	355	532	1,020



# **KEYNOTES**

- 1 NOT USED
- 2 WALL HEATER
- 3 NEW ELECTRICAL SERVICE AND GAS METER LOCATED AS
- NEEDED 4 120 V OUTLET FOR NEW TANKLESS WATER HEATER WITHIN
- 3' OF WATER HEATER.
- 5 SUB PANEL LOCATION
- 6 OUTLET AT COUNTER HEIGHT SHALL COMPLY WITH CEC 13 NOT USED 

   OUTLET AT COUNTER HEIGHT - SHALL CONFET WITH GEG

   ARTICLE 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   Image: Article 210.52(C): IN KITCHENS A RECEPTACLE OUTLET SHALL

   BE INSTALLED SO THAT NO POINT ALONG THE WALL IS MORE 15 WEATHER RESISTANT TYPE RECEPTACLE THAN 24"; ISLAND IN PENINSULAR COUNTERTOPS 12" X 24" LONG (OR GREATER) SHALL HAVE AT LEAST ONCE RECEPTACLE
- 7 WATER CONSERVING FIXTURES: NEW WATER CLOSETS SHALL USE NO MORE THAN 1.28 GAL. OF WATER PER FLUSH. LAVATORIES LIMITED TO 1.2 GPM, KITCHEN FAUCETS NOT TO EXCEED 1.8 GPM, AND SHOWERS NOT EXCEED 1.8 GPM
- 8 OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.

- 9 EXHAUST HOOD ABOVE/ TO BE SMOOTH METALIC INTERIOR SURFACE (CMC 504.3) 10 NOT USED
- 11 CONTROL VALVES IN SHOWERS, BATHTUBS, PROTECTED PER NEC ART. 210-12(b).
- OR THERMOSTATIC MIX VALVES 12 SPECIAL PURPOSE OUTLET FOR HEATER

- 16 CLEARANCE FOR WATER CLOSET TO BE A MIN. OF 24" IN FRONT, AND 15" FROM ITS CENTER TO ANY SIDE WALL OR OBSTRUCTION. (CPC 402.5)

# **GENERAL NOTES:**

. RECEPTACLE OUTLET LOCATIONS WILL COMPLY WITH 9. NOT USED CEC ARTICLE 210.52. TAMPER RESISTANT RECEPTACLE OUTLET LOCATIONS SHALL COMPLY W/ NEC ART. 210-52(a). 2. ALL BRANCH CIRCUITS WILL BE ARC FAULT CIRCUIT AND BIDETS MUST BE PRESSURE BALANCED 3. BATHROOM CIRCUITING SHALL BE EITHER: a) A 20

AMPERE CIRCUIT DEDICATED TO EACH BATHROOM. b) AT LEAST ONE 20 AMPERE CIRCUIT SUPPLYING ONLY BATHROOM RECEPTACLE OUTLETS PER NEC ART. 210-11(c)3.

4. ALL 125-VOLT, SINGLE-PHASE, 15- AND 20- AMPERE RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, BASEMENTS, OUTDOORS, KITCHEN COUNTERS AND AT WET BAR SINKS SHALL BE GFCI PROTECTED PER NEC ART 210-8.

5. SMOKE DETECTORS MUST BE PERMANTLY WIRED . MECHANICAL SUB-CONTRACTOR SHALL SIZE A.C./ FAU AND SUBMIT SPECS WITH BID PER CMC 303.1. '. PER LIGHTING MEASURES 150(K)4 N T-24, THE BEDROOMS, HALLWAY, LIVING ROOM AND OFFICE ARE REQUIRED TO HAVE ANY INSTALLED FIXTURE TO BE ON A DIMMER SWITCH OR THE FIXTURE NEEDS TO BE HIGH EFFICACY.

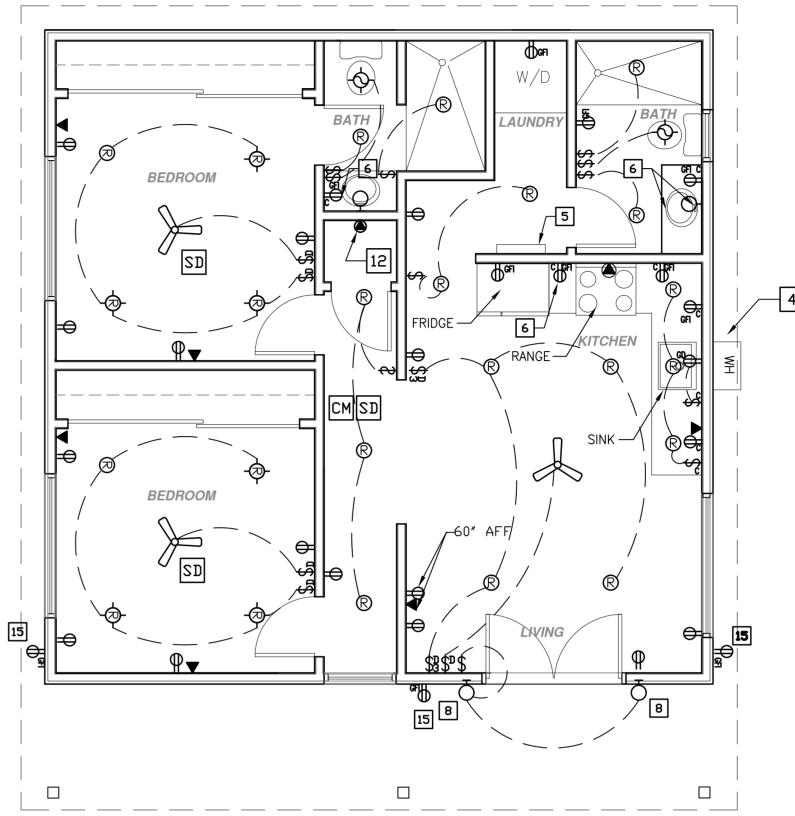
3. OUTDOOR LIGHTING FIXTURES ARE REQUIRED TO BE HIGH EFFICACY OR CONTROLLED BY A COMBINATION PHOTOCONTROL / MOTION SENSOR.

## 10. IN NEW CONSTRUCTION,

ALARMS SHALL RECEIVE THEIR THE BUILDING WIRING WHERE S FROM A COMMERCIAL SOURCE EQUIPPED WITH A BATTERY BAC SHALL EMIT A SIGNAL WHEN THE WIRING SHALL BE PERMANENT DISCONNECTING SWITCH OTHER FOR OVERCURRENT PROTECTIC

WHERE MORE THAN ONE 11 REQUIRED TO BE INSTALLED, TH SHALL BE INTERCONNECTED IN THE ACTIVATION OF ONE ALARM THE ALARMS IN THE INDIVIDUAL ALARM SHALL BE CLEARLY AUDI OVER BACKGROUND NOISE LEVE INTERVENING DOORS CLOSED.

12. WHERE WATER CLOSET INDEPENDENT OF THE BATHROOM FAN WILL BE REQ. IN EACH ARE HAVE AN EXHAUST FAN WITH HU SENSOR, MIN. 50 CFM CAPACITY



MECHANICAL / PLUMBING PLAN



			LEGEND	
N, REQUIRED SMOKE IR PRIMARY POWER FROM E SUCH WIRING IS SERVED E AND SHALL BE ACK-UP. SMOKE ALARMS THE BATTERIES ARE LOW. IT AND WITHOUT A IER THAN AS REQUIRED TION. NE SMOKE ALARM IS THE SMOKE ALARMS IN SUCH A MANNER THAT RM WILL ACTIVATE ALL AL DWELLING UNIT. THE JDIBLE IN ALL BEDROOMS EVELS WITH ALL D. ET COMPARTMENT IS ROOM OR SHOWER AREA, A REA. BATHROOMS SHALL I HUMIDITY CONTROL CITY. (CRCR303.3.)	<ol> <li>ROOMS CONTAINING BATHTUBS, SHOWERS, SPAS AND SIMILAR FIXTURES SHALL BE PROVIDED WITH AN EXHAUST FAN WITH HUMIDITY CONTROL SENSOR HAVING A MIN. CAPACITY OF 50 CFM DUCTED TO TERMINATE OUTSIDE THE BLDG. (CRC R303.3, CAL GREEN 4.505.1, CBC 1203 .5.2.1, CMC 402.5</li> <li>SUPPLY AND RETURN AIRDUCTS TO BE INSULATED AT A MIN. OF R-6. (CAL ENERGY CODE TABLE 150.1-A)</li> <li>WHERE WHOLE HOUSE FANS ARE USED IN BATHROOM AREAS, THE FAN MUST RUN CONTINUOUSLY AND SHALL NOT BE TIED TO HUMIDITY CONTROL SENSOR. (CAL GREEN 4.506.1)</li> <li>ENVIRONMENTAL AIR DUCTS SHALL TERMINATE MIN. 3 FEET FROM PROPERTY LINE OR OPENINGS INTO BLDG., AND 10' FROM A FORCED AIR INLET. (CMC 502.2.1)</li> <li>ABS AND PVC DRAIN WASTE AND VENT PIPING MATERAIL IS LIMITED TO 2 STORIES MAX. (CPC 701.2(2) (A) AND 903.1.1)</li> <li>ABS AND PVC ROOF AND DECK DRAIN MATERIAL IS LIMITED TO 2 STORIES MAX. (CPC 1101.4)</li> <li>ALL HOSE BIBBS ARE TO HAVE VACUUM BREAKERS. (CPC603.5.7)</li> </ol>	<ul> <li>20. THE MAX. AMOUNT OF WATER CLOSETS ON A 3" HORIZONTAL DRAINAGE SYSTEM LINE IS 3 (CPC TABLE 703.2)</li> <li>21. THE MAX. AMOUNT OF WATER CLOSETS ON A 3" VERTICAL DRAINAGE LINE IS 4. (CPC TABLE 703.2)</li> <li>22. PROVIDE GAS LINES WITH A MN. CAPACITY OF 200,000BTU FOR WATER HEATER. (CAL ENERGY CODE 150.0(N)).</li> <li>23. PROVIDE A CONDENSATE DRAIN NO MORE THAN 2" ABOVE THE BASE OF THE WATER HEATER SPACE. (CAL ENERGY CODE 150.0 (N).</li> <li>24. INSULATE ALL HOT WATER PIPES. CAL ENERGY CODE 150.0(j) (2), and CPC 609.11)</li> <li>25. ISOLATION VALVES ARE REQ. FOR TANKLESS WATER HEATERS ON THE HOT AND COLD SUPPLY LINES WITH HOSE BIBBS ON EACH VALVE, TO FLUSH THE HEAT EXCHANGER. (CAL ENERGY CODE 110.3(7).</li> </ul>	<ul> <li>CEILING, RECESSED, ZERO CLEARANCE IC RATED LED BULB</li> <li>WALL MOUNTED LIGHT</li> <li>JUNCTION BOX FLUSH CEILING MOUNTED</li> </ul> <b>MECHANICAL</b> EXHAUST FAN: MINIMUM 50 CFM TO BE DUCTED TO THE EXTERIOR AND SHALL PROVIDE FIVE AIR CHANGES PER HOUR; SECTION 1203.3. CFM AND NOISE RATING MAXIMUM 3 SONE FOR INTERMITENT USE. SHALL BE ENERGY STAR RATED AND CONTROL ED BY A HUMIDISTAT CAPABLE OF	<ul> <li>SID SMOKE DETECTORS PER SECTION R314 DETECTORS SHALL BE PERMANENTLY WIRED WITH BATTERY BACKUP. SOUND AN ALARM AUDIBLE IN ALL SLEEPING AREAS. ALARM DEVICES SHALL BE INTERONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL O F THE ALARMS IN THE UNIT.</li> <li>SHALL BE COMPLY WITH THE FOLLOWING:         <ul> <li>AT LEAST 3' FROM THE TIP OF THE BLADE OF A CEILING-MOUNTED FAN</li> <li>NOT LESS THAN 3' FROM THE DOOR OPENING OF A BATHROOM</li> <li>AT LEAS 20' FROM A COOKING APPLIANCE</li> <li>AT LEAST 3' FROM SUPPLY REGISTERS OF A HEATING /COOLING SYSTEM</li> </ul> </li> <li>CM CARBON MONOXIDE ALARM PERMANENTLY WIRED WITH BATTERY BACKUP PER SECTION R315. ALARMS SHALL BE INTERONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL O F THE ALARMS IN THE UNIT.</li> </ul>

# ELECTRICAL PLAN

### σ ..... S S C 0 C 4 D ----0 O 0 -Ζ • ----5 U 5 2 σ -----S

5

0

0

S

-

T

 $\triangleleft$ 

Z

0 0

S

ш

4

0

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THE CITY OF ENCINITAS. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY

THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION.

IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

project

PRADU City Of Enicintas

## description

# Mechanical/ Plumbing/ Electrical

F	<b>\∠</b> .∣
sheet no.	
drawn by	ysp
project no.	2018 PRADU
date	March 27 2019

## POWER/DATA

₽

- TAMPER RESISTANT RECEPTACLE Ð WALL MOUNTED, 110 V DUPLEX U.O.N.
- GFI = WATER PROOF GFCI CT = COOKTOP/ GRILL 220 V
- O = OVEN 220 V

- PHONE / DATA / MEDIA
- CEILING, WATERPROOF OUTLET
  - FLOOR MOUNTED DUPLEX
  - FIELD
  - SPECIAL PURPOSE CONNECTION (VOLTAGE SHALL MATCH
  - APPLIANCE REQ.)
- MONOXIDE ALARM PERMANENTLY \_\_\_\_\_\_ SUB PANEL

- MW = MICROWAVE 110 V
- GD = GARBAGE DISPOSAL 110 V R = RANGE 220V
- C = COUNTER HEIGHT 6" ABV COUNTER

- RECEPTACLE, VERIFY LOCATION IN

CEILING FAN/LIGHT COMBO 

MISC.

CIRCUIT WIRING HOSE BIB

SWITCHING

SWITCH, MOUNT AT 43" AFF

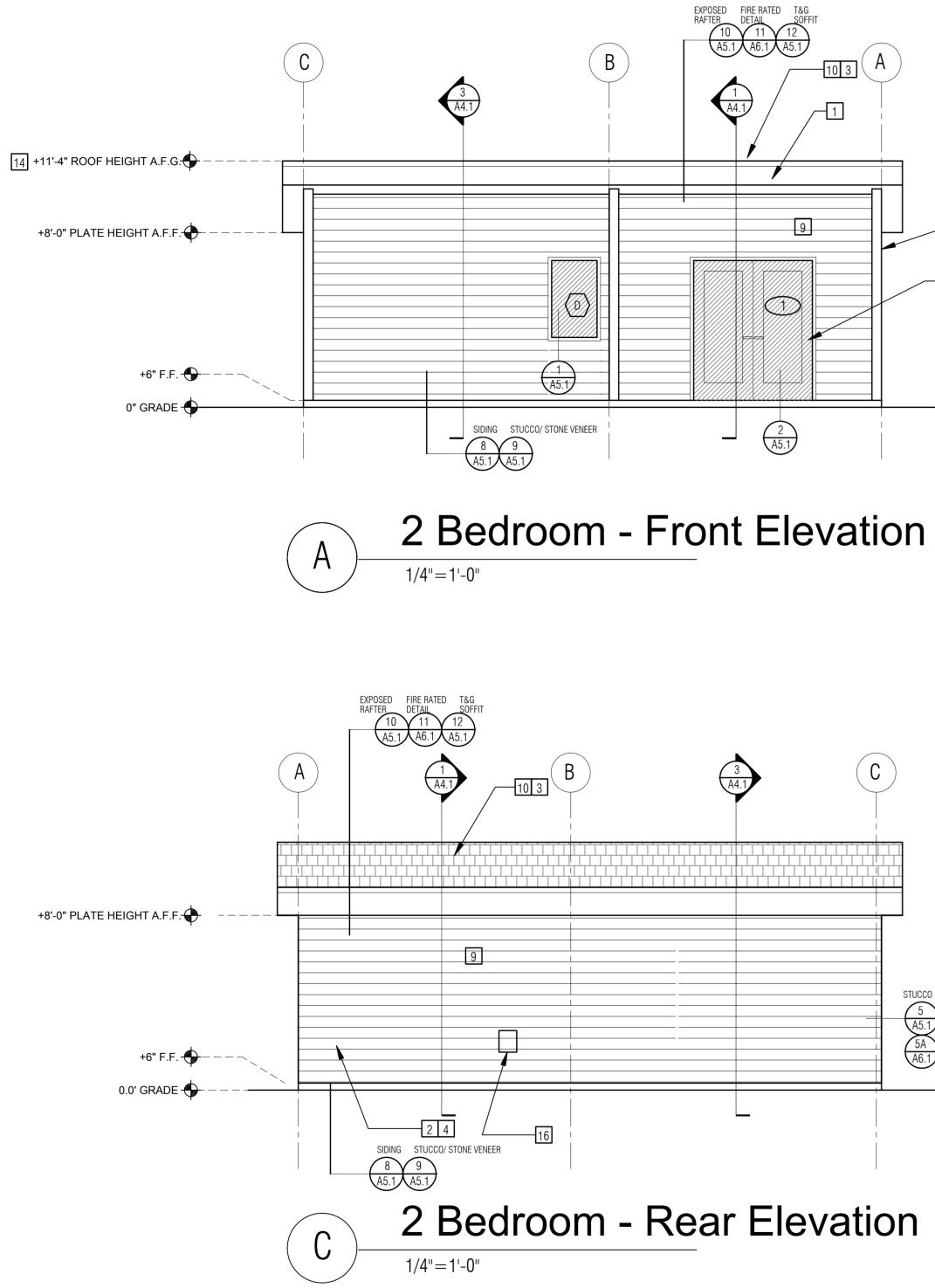
THREE-WAY SWITCH

FOUR-WAY SWITCH

MOUNT 6" ABV COUNTER

DIMMER SWITCH

----+ GAS STUB OUT



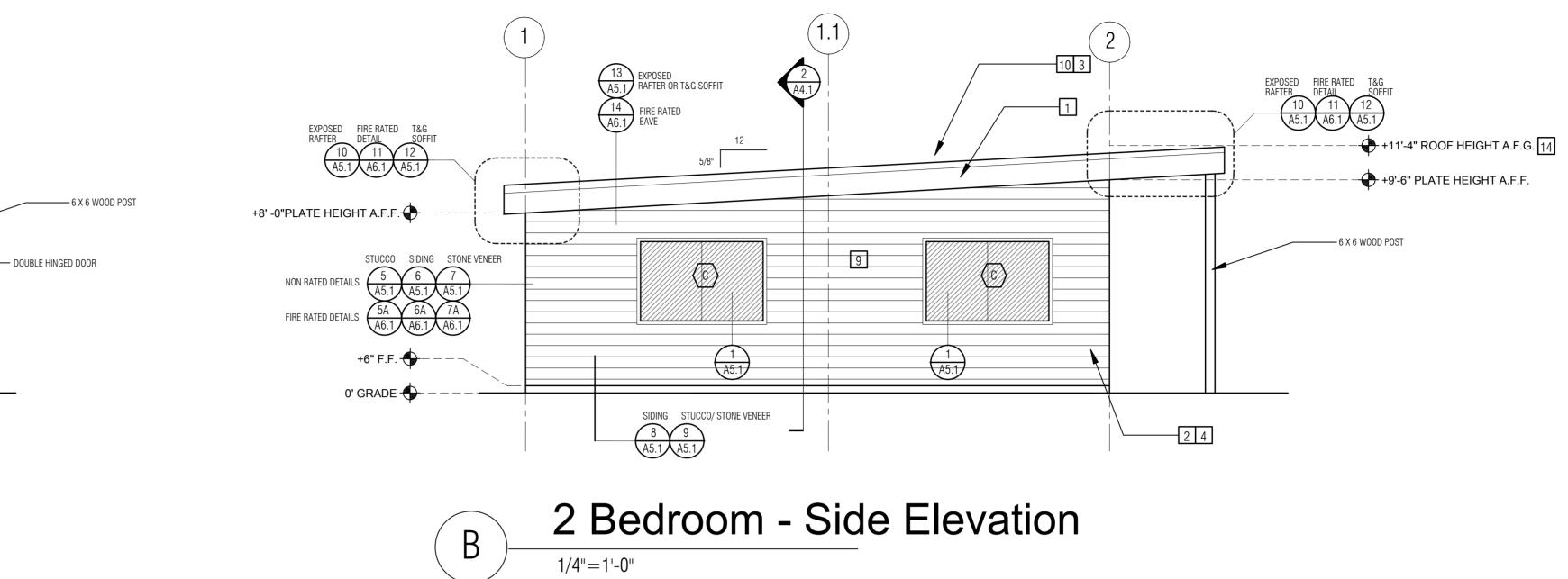
# **KEYNOTES**

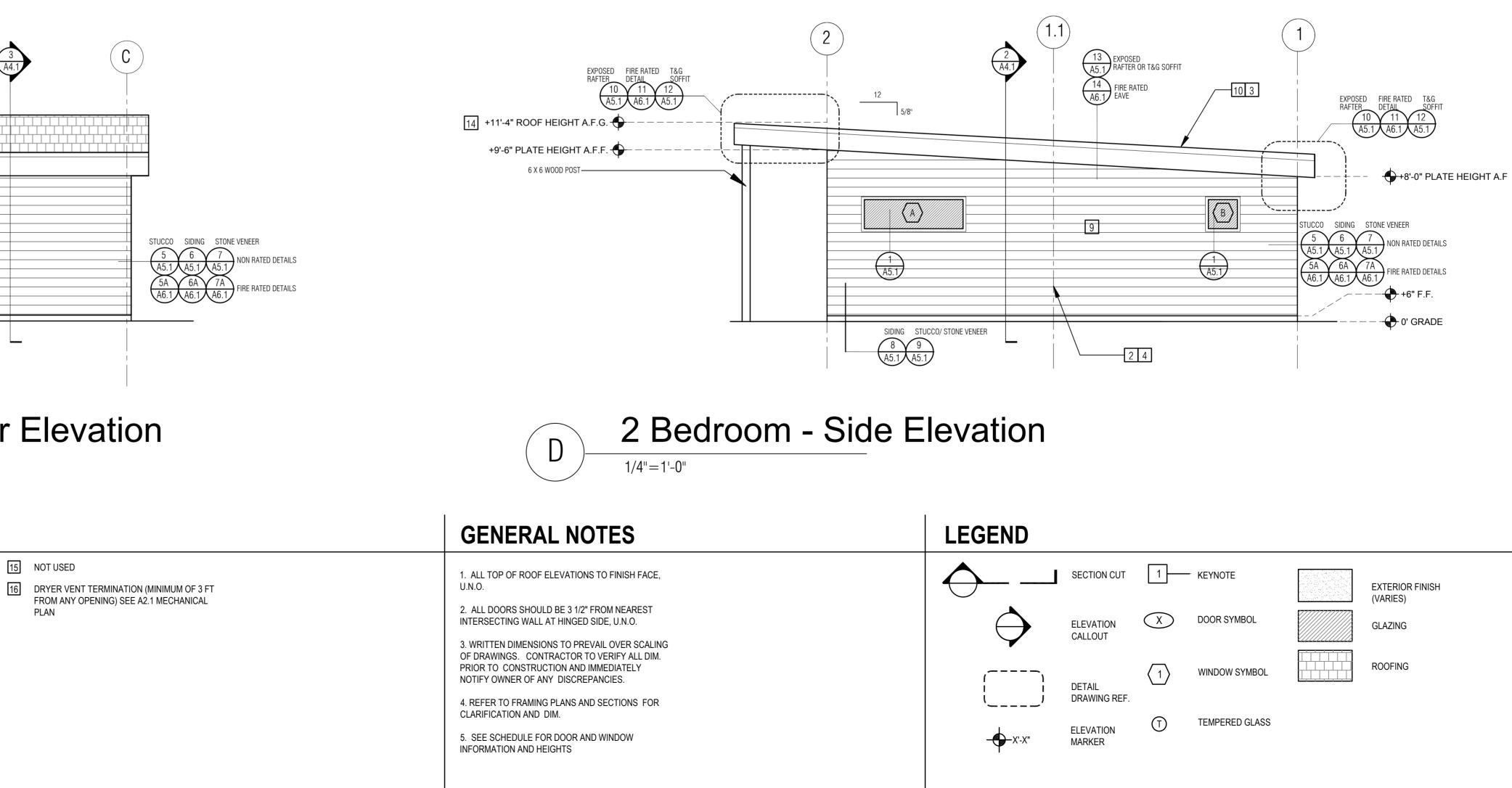
- 1 FASCIA/RAFTERS PER PLAN SEE FRAMING
- 2 2X4 STUDS @ 16" O.C.
- **R30 CEILING INSULATION** 3
- 4 R15 WALL INSULATION 5 NOT USED
- 6 NOT USED
- 7 NOT USED
- 8 2x6 STUDS @ 16" O.C.

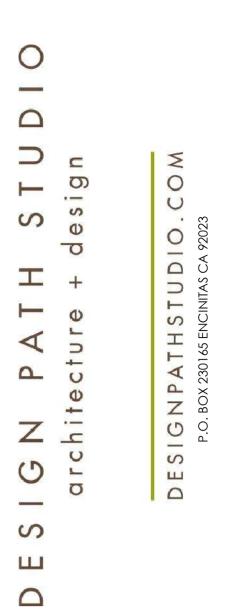
- 9 SIDING/ STUCCO/ STONE VENEER: SEE DETAILS ON SHEET A5.1 OR SHEET A6.1 FOR FIRE RATED DETAILS
- CLASS A ROOFING: STANDING SEAM METAL OR TORCH DOWN PER MANUFACTURERS DETAILS 10
- 11 NOT USED
- 12 NOT USED
- IGNITION-RESISTANT MATERIAL TO BE <sup>5</sup>/<sub>16</sub>" NON-COMBUSTIBLE CEMENTITIOUS 13 MATERIAL
- 14 HEIGHT IS MEASURED AT FINISH ROOF LINE, FROM EXISTING OR PROPOSED FINISHED GRADES (WHICHEVER IS LOWER)

15 NOT USED

FROM ANY OPENING) SEE A2.1 MECHANICAL PLAN







BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THI CITY OF ENCINITAS. THIS DOES NOT ELIMINATE C REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL. TO THE FULLEST EXTENT PERMITTED BY LAW. INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. IF THE RECIPIENT DOES NOT AGREE WITH THE

ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

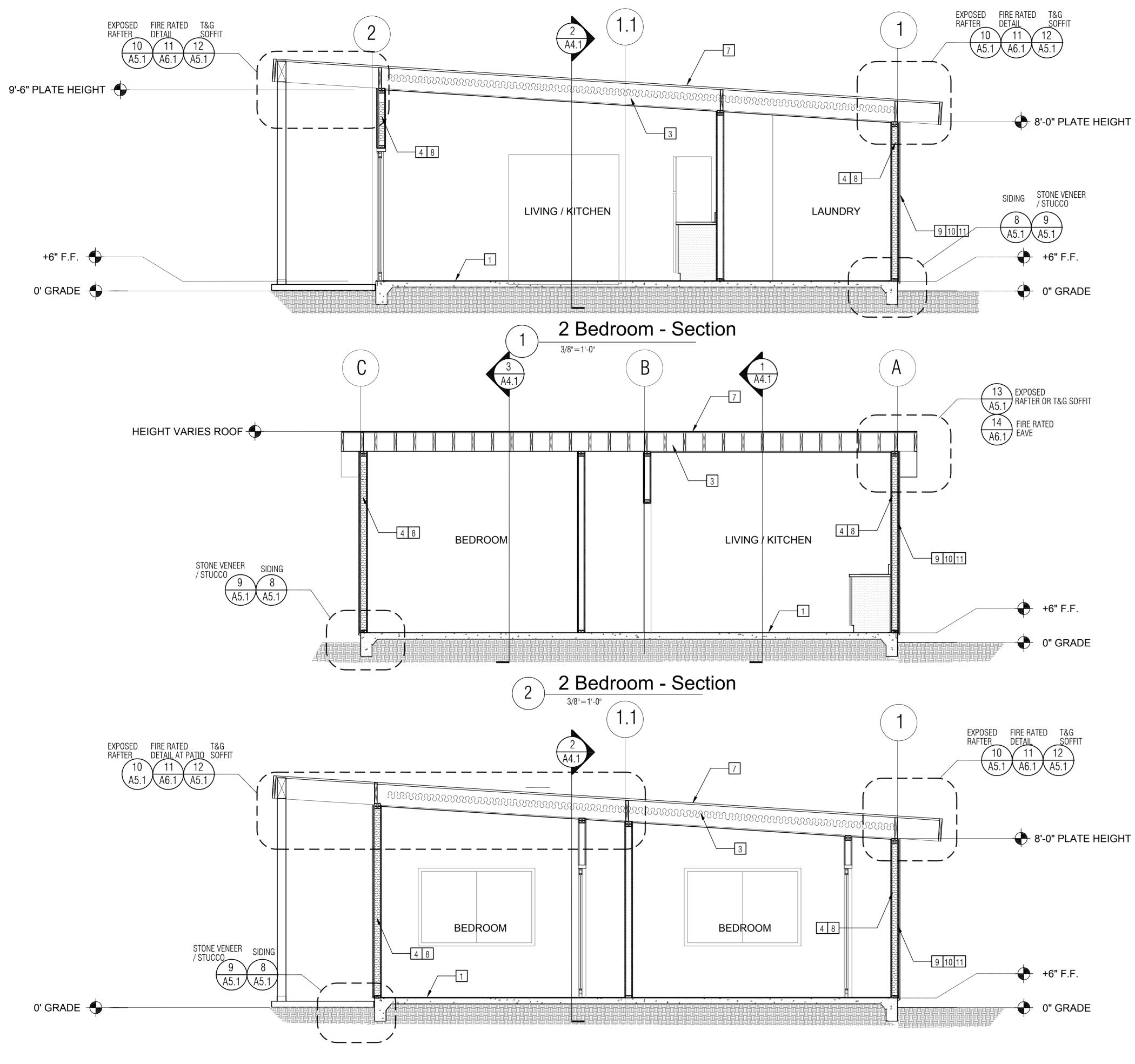
project

PRADU City Of Enicintas

description

# Exterior Elevations 2 Bedrooms

date	March 27 2019
project no.	2018 PRADU
drawn by	ysp
sheet no.	
Λ	$\mathbf{O}$
Д	



3

•

3/8"=1'-0"

KEY	<b>NOTES</b>
1 2 3 4 5 6	CONC. SLAB ON GRADE NOT USED R30 CEILING INSULATION R15 WALL INSULATION NOT USED NOT USED
7	MINIMUM CLASS A ROOF 2x STUDS @ 16" O.C.
9	SIDING - OWNER SPECI (FOR FIRE RATED DETA
10 11	STUCCO - OWNER SPEC (FOR FIRE RATED DETA STONE VENEER (FOR FIRE RATED DETA
12 13	NOT USED IGNITION-RESISTANT MANON-COMBUSTIBLE CEM MATERIAL
14 15 16	NOT USED NOT USED DRYER VENT TERMINAT FROM ANY OPENING)

# 2 Bedroom - Section

	GENERAL NOTES
DE SEE STRUCTURAL TION N	<ol> <li>ALL DIMENSIONS TO FACE OF FRAMING, U.N.O.</li> <li>ALL DOORS SHOULD BE 3 1/2" FROM NEAREST INTERSECTING WALL AT HINGED SIDE, U.N.O.</li> </ol>
OOF ASSEMBLY	<ol> <li>WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION</li> <li>REFER TO PLANS FOR CLARIFICATION OF DIM.</li> </ol>
CIFY TAIL 6A/A6.1) PECIFY TAIL 7A/A6.1) MATERIAL TO BE <sup>5</sup> / <sub>6</sub> " EMENTITIOUS ATION (MINIMUM OF 3 FT	<ul> <li>S. SE SCHEDULE FOR DOOR AND WINDOW INFORMATION AND HEIGHTS</li> <li>G. METALS</li> <li>SEE FLANS AND DETAILS FOR LOCATIONS, QUANTIY AND DETAILS FOR LOCATIONS, QUANTIY AND DETAILS FOR LOCATIONS, POST ANCHORS AND LIKE TEMS.</li> <li>POST ANCHORS AND LIKE TEMS.</li> <li>POSTALL ALL SUCH TEMS NECESSARY TO MARCA COMPETER INFORMATION NOTED ON THE PRAVINGS ALL EXTERIOR METAL AND HADOWARE IS TO BE GALVANZED. STEEL IS TO BE ASTA 43.</li> <li>7. ALL VENTS ARE TO BE STAINLESS STEEL MESH SIZED AST ON OT ALLOW ANY INBECTS TO PRINTRATE THROUGH.</li> <li>B. FRAMERI ST O LAYOUT CELING JOISTS/ROOF RAFTERS TO ACCOMMODATE RECESSED LIGHTS EXHAUST FANS OR OTHER ELECTRICAL/MECHANICAL FRITURES.</li> <li>9. WOOD SOFFTICELING, SIDING &amp; TEM ALL NALS, FASTENERS AND HADOWARE MIST BE STAINLESS STEEL, INMAIGR OR TO-AUALITY, HERMITED</li> <li>10. INSULATION IS TO BE FOIL BACKED BATT INSULATION WITH AN R FACTOR NOT LESS THAN R-15 FOR WALLS AND AN R-30 FOR CELINGS</li> <li>Q. BATHROOMS, LAUNDRY ROOM AND MASTER EEDBATHROUGH, SILVIDIN IS TO BE FOIL BACKED BATT INSULATION WITH AN R FACTOR NOT LESS THAN R-15 FOR WALLS AND AN R-30 FOR CELINGS</li> <li>Q. BATHROOMS, LAUNDRY ROOM AND MASTER EEDBATHROWS, ALL PROVED EDUAL.</li> <li>11. FLASHING AND SHEET METAL ALL FUSHING AND SHEET METAL ALL FUSHING AND COMPER FUSHING IS TO BE GALVANZED AND INSTALLED AS FER SMOCHAG STANDARDS AND COMPERTER FLASHING IS TO BE GALVANZED AND INSTALLED AS FER SMOCHAG AND ACCOUNSE AND THE SANCHAM ANNIAL STANDARDS.</li> <li>12. LATH &amp; PLASTER MATTERIALS, GALLE PROVED EDUAL.</li> <li>13. FLASHING AND SHEET METAL MATTERIALS, GALL PROVED EDUAL.</li> <li>14. LATHAS FOR PLASTER TEMAL AND PLASTER COMPER BEADS, CASING BEADS OTTOM, TOTOR STEED STATULED AS FER SINGLAR ON CASING BEAD ALL PLASTER IS TO BE THE STANDARDS AT ALL JOINTS STATUED AS PREVED COMMENDATIONS FOR ADUIND STATULED AS OTTOM TO DISIMULAR SURFACES NELESS OTHERWINGS AND PLASTERING CONTRACTORS ASSOCIATION</li></ul>
-	LEGEND
	SECTION CUT 1 KEYNOTE
	ELEVATION CALLOUT
	DETAIL DRAWING REF. DRAWING REF. DRAWING REF. TEMPERED GLASS

### 0 Concession in which the C σ • -----S S Φ 0 Т 0 4 D -0 U 0 -Ζ • ------U 5 5 σ -S

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THE CITY OF ENCINITAS. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. 2. THE RECIPIENT RECOGNIZES AND

ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO

COPYRIGHT PROTECTION. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

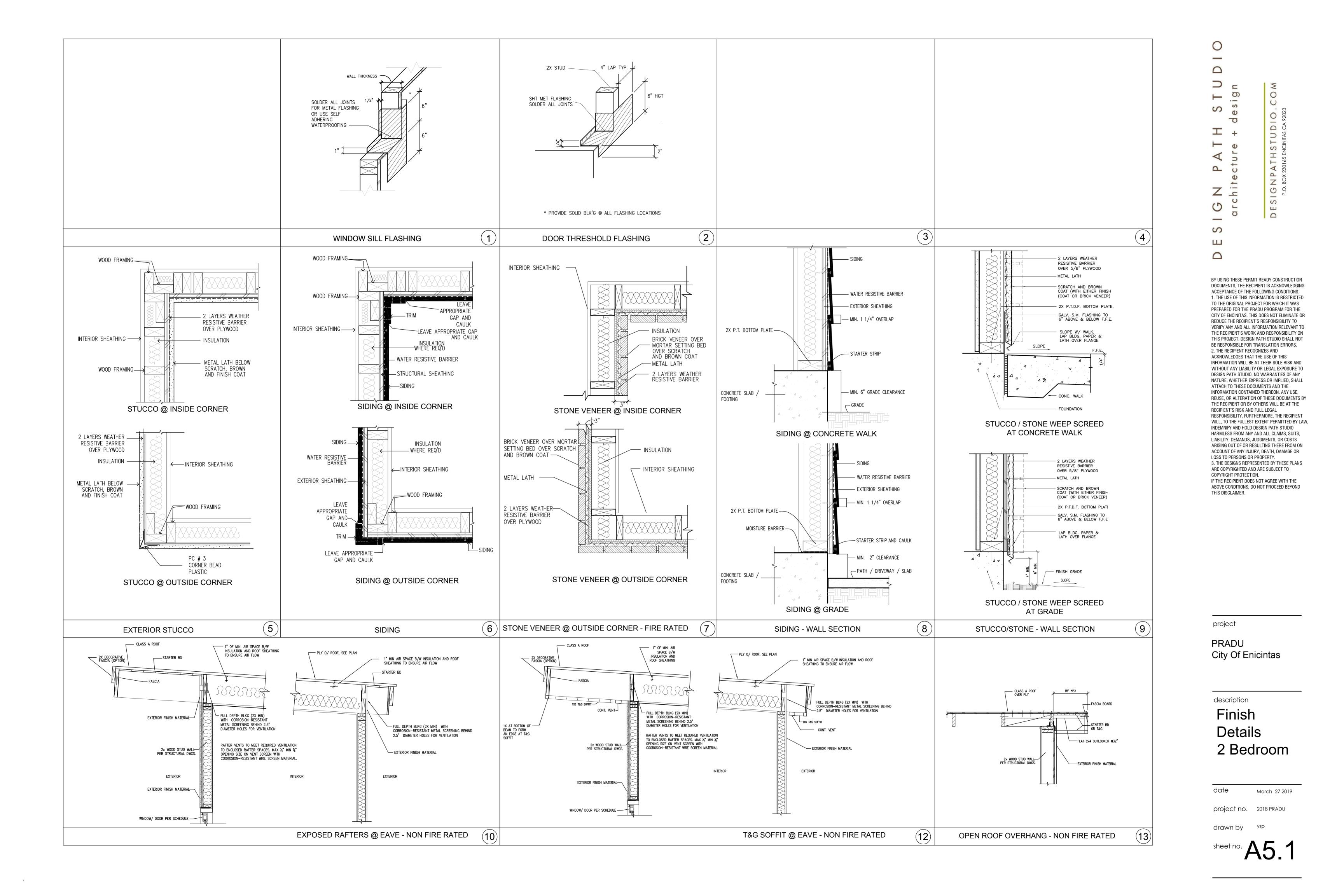
project

PRADU City Of Enicintas

description

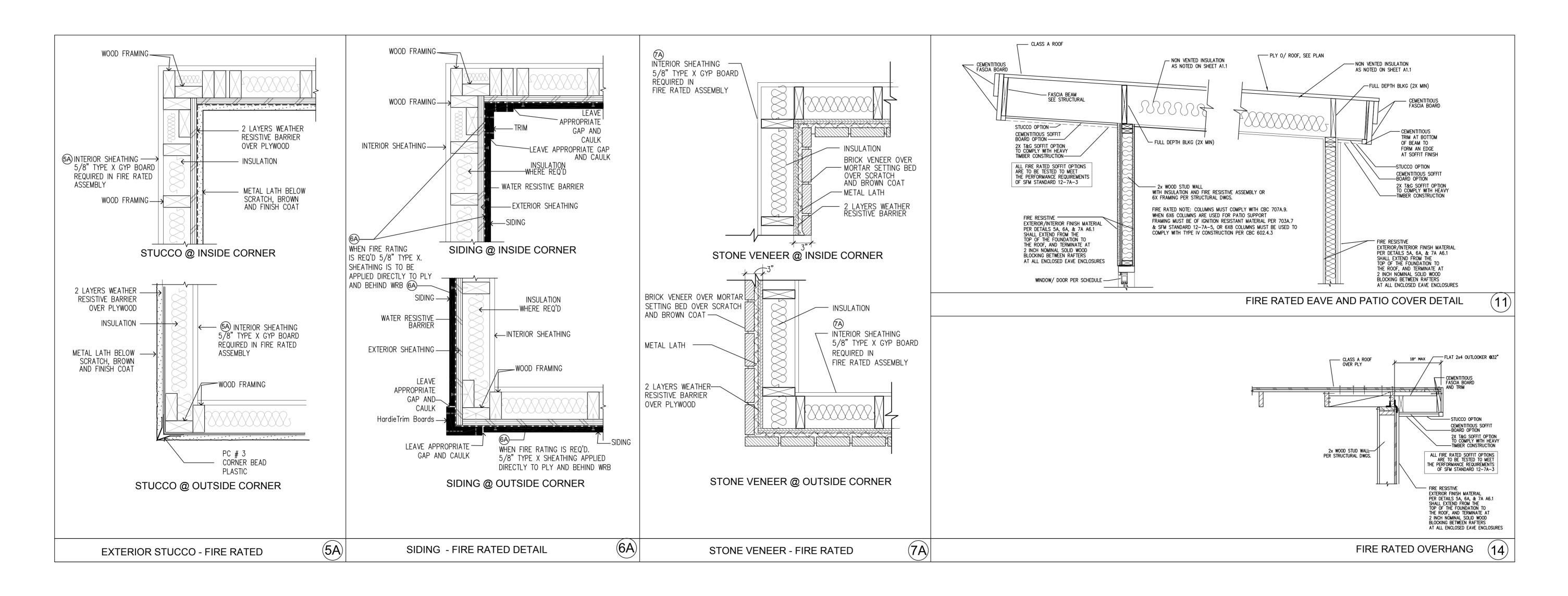
# Sections 2 Bedrooms

date	March 27 2019
project no.	2018 PRADU
drawn by	ysp
,	
sheet no.	
Λ	
$\boldsymbol{\mu}$	41



WI	NDOW	SCHE	DULE						DO	OR SCHEDUL	.E							
WINDOW SIZE OPER. FIRE		QNTY FRAME HEAD REMARKS	DOOR	DOOR TYPE		DOOR SIZE		CORE	MATERIAL	FRAME	FIRE RATING	REMARKS						
	WIDTH	HEIGHT		RATED			HEIGHT	REMARKS			WIDTH	HEIGHT	THICK.				(WHEN REQ'D)	REWARKS
Α	6'-0"	2'-0"	SLIDER	NOTE #12 & 13	1	VINYL	6'-8"	LIVING ROOM WINDOWS	1	DOUBLE DOOR	6'- <sup>0"</sup>	6'- <sup>8"</sup>	1-3/4"	GL	VNL/GLASS	VINYL	NOTE #10	FRONT - ENTRY HINGED DOOR WITH GLAZING
В	2'-0"	2'- <sup>0"</sup>	SLIDER	NOTE #12 & 13	1	VINYL	6'-8"	BATHROOM WINDOWS	2	SINGLE DOOR	2'- <sup>6</sup> "	6'- <sup>8"</sup>	1-3/4"	HLW	WD	WD	NR	BATHROOM DOOR
С	6' <sup>-0"</sup>	4'- <sup>0"</sup>	SLIDER	NOTE #12 & 13	2	VINYL	6'-8"	BEDROOM WINDOWS	3	SINGLE DOOR	2'- <sup>6"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	NR	BATHROOM DOOR
D	3'-0"	4'- <sup>0"</sup>	SLIDER		1	VINYL	6'-8"	CLOSET/ HALLWAY WINDOWS	4	SINGLE DOOR	2'- <sup>6"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	NR	BEDROOM DOOR
									5	SINGLE DOOR	2'- <sup>6"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	NR	BEDROOM DOOR
									6	SLIDER	9'- <sup>8"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	NR	SLIDING CLOSET DOOR
									7	SLIDER	9'- <sup>8"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	WOOD	WD	NR	SLIDING CLOSET DOOR
			•		•				8	SINGLE DOOR	2'- <sup>6"</sup>	6'- <sup>8"</sup>	1-3/4"	HLW	LOUVERED	WD WD	NR	FAU CLOSET
VVIN		NOTES																
1. SE	E EXTERIOR	RELEVATION I	OR DIRECTION O	OF OPERATION OF W	/INDOWS (AL	OPERABLE	WINDOWS -	TO HAVE SCREENS).		R NOTES								
2. AL 3. AL 4. AL 5. WI 6. VE 7. EV HEIGH 8. NC 9. AL 10. TE 11. EV	WINDOW E GLAZING V GLAZING S NDOWS SHA NTILATION S ERY SLEEPI T OF 24" MIN T USED EXTERIOR MPERED GL ERY SPACE	DIMENSIONS F VILL BE INSTA HALL BE SPE LL MEET THE HALL COMPL NG ROOM SH NG ROOM SH NG ROOM SH HALL COMPL HALL COMPL HALL COMPL HALL COMPL HALL BE NTENDED FO	ERTAIN TO ROUG LLED WITH A CEP CTRALY SELECTI MINIMUM INFILT Y WITH C.B.C. 120 ALL HAVE ONE OI WIDTH OF 20" AN EXTERIOR DOO E PERMANENTLY	GH OPENINGS (R.O.), RTIFYING LABEL ATT VE LOW E COATED T RATION REQUIREME 03.4 AND R303 PERABLE WINDOW F ND A FIN. SILL HEIGH R ASSEMBLIES TO H	, CONTRACT ACHED, SHO TO MEET TIT NTS PER SE OR EMERGE TOR EMERGE TOF NOT M AVE AN STC BIBLE WHEN	OR TO FIELD WING THE NF E 24 ENERGY CTION 116 E.E NCY ESCAPE ORE THAN 44' RATING OF 3 THE UNIT IS G	/ERIFY ACT RC LABEL. REQUIREN S.D OR RESCU A.F.F. PER OR GREA LAZED.	UAL DIMENSIONS FOR WINDOWS MENTS. E WITH A MIN. NET CLEAR OPENABLE AREA OF 5.7 SQ. FT, MIN. NET CLEAR OPENABLE CRC SECTION 3101	2. ALL G 3. REFE 4. DOOF 5. VENT 6. NOT U 7. ALL E 8. DOOF	LAZING WILL BE INSTALLI R TO FLOOR PLANS FOR I S SHALL MEET THE MININ LATION SHALL COMPLY V ISED (TERIOR WINDOW AND E S MAY OPEN TO THE EXT	ED WITH A DIRECTION MUM INFILT WITH C.B.C. XTERIOR D TERIOR ONI	CERTIFYIN I OF DOOR TRATION RE . 1203.4 ANI DOOR ASSE LY IF THE F	G LABEL A SWING. QUIREMEI D R303. MBLIES TO LOOR OR I	NTS PER S	), SHOWING TH SECTION 116 E N STC RATING	HE "U" VALU E.E.S. OF 36 OR G	E. REATER.	<u>WHEN THE UNIT IS GLAZED</u> .
AND 1205.1 AND R303 A) THE MINIMUM NET GLAZED AREA FOR NATURAL LIGHT SHALL NOT BE LESS THAN 8%OF THE FLOOR AREA OF THE ROOM SERVED. CBC SECTION 1205.2 B) THE MINIMUM OPENABLE AREA TO THE OUTDOORS FOR NATURAL VENTILATION SHALL BE 4% OF THE FLOOR AREA BEING VENTILATED. SECTION 1203.4				THAN THE DOOR THRESHOLD. SECTION R311.3.1 CRC 9. GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATNG-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE, 10. EXTERIOR DOOR ASSEMBLIES SHALL CONFORM TO THE PERFORMANCE REQUIREMENTS OF STANDARD SFM 12-7A-1 OR SHALL BE OF APPROVED NONCOMBUSTIBLE CONSTRUCTION O														

12. EXTERIOR WINDOWS, WINDOW WALLS, GLAZED DOORS, AND GLAZED OPENINGS WITHIN EXTERIOR DOORS SHALL BE INSULATING-GLASS UNITS WITH A MINIMUM OF ONE TEMPERED PANE 13. FIRE-RESISTENCE RATED GLAZING TESTED AS PART OF A FIRE-RESISTANCE-RATED WALL ASSEMBLY IN ACCORDANCE WITH ASTM E 119 OR UL 263 TO BE CONSTRUCTED OF MULIT-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE MEETING THE REQUIREMENT OF SECTION 2406, CONSTRUCTED OF GLASS BLOCK UNITS, OR HAVE A FIRE-RESISTIVE RATING OF NOT LESS THAN



20 MINUTES WHEN TESTED ACCORDING TO NFPA 257.

- 10. EXTERIOR DOOR ASSEMBLIES SHALL CONFORM TO THE PERFORMANCE REQUIREMENTS OF STANDARD SFM 12-7A-1 OR SHALL BE OF APPROVED NONCOMBUSTIBLE CONSTRUCTION OR IGNITION-RESISTANT MATERIAL, OR SOLID CORE WOOD HAVING STILES AND RAILS NOT LESS THAN 1 3/8 INCHES THICK WITH INTERIOR FIELD PANEL THICKNESS NO LESS THAN 1 1/4 INCHES THICK, OR SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES WHEN TESTED ACCORDING TO NFPA 257.

IGN PATH STU architecture + design	DESIGNPATHSTUDIO. COM P.O. BOX 230165 ENCINITAS CA 92023
ΕS	
BY USING THESE PERMIT RE DOCUMENTS, THE RECIPIEN ACCEPTANCE OF THE FOLLO 1. THE USE OF THIS INFORM TO THE ORIGINAL PROJECT PREPARED FOR THE PRADU CITY OF ENCINITAS. THIS DO REDUCE THE RECIPIENT'S F VERIFY ANY AND ALL INFOR THE RECIPIENT'S WORK AN THIS PROJECT. DESIGN PAT BE RESPONSIBLE FOR TRAM 2. THE RECIPIENT RECOGNIZ ACKNOWLEDGES THAT THE INFORMATION WILL BE AT T WITHOUT ANY LIABILITY OR DESIGN PATH STUDIO. NO V NATURE, WHETHER EXPRESS ATTACH TO THESE DOCUME INFORMATION CONTAINED T REUSE, OR ALTERATION OF THE RECIPIENT OR BY OTHE RECIPIENT'S RISK AND FULL RESPONSIBILITY. FURTHERI WILL, TO THE FULLEST EXTI INDEMNIFY AND HOLD DESI HARMLESS FROM ANY AND LIABILITY, DEMANDS, JUDG ARISING OUT OF OR RESULT ACCOUNT OF ANY INJURY, I LOSS TO PERSONS OR PRO 3. THE DESIGNS REPRESEN ARE COPYRIGHTED AND AR COPYRIGHT PROTECTION. IF THE RECIPIENT DOES NOT ABOVE CONDITIONS, DO NO THIS DISCLAIMER.	IT IS ACKNOWLEDGING DWING CONDITIONS. IATION IS RESTRICTED FOR WHICH IT WAS PROGRAM FOR THE DES NOT ELIMINATE OR RESPONSIBILITY TO MATION RELEVANT TO D RESPONSIBILITY ON TH STUDIO SHALL NOT ISLATION ERRORS. ZES AND C USE OF THIS THEIR SOLE RISK AND C USE OF THIS THER SOLE RISK AND C USE OF THIS THE SOLE RISK AND C USE OF THE SOLE THE SOLE RISK AND C USE OF THE SOLE TO T AGREE WITH THE
project	
PRADU City Of Enici	ntas
description Fire Ra	ited
Details 2 Bedro	

0

F	<b>10.</b>
sheet no.	
drawn by	ysp
project no.	2018 PRADU
date	March 27 2019

	CONCRETE FOUNDATION CONSTRUCT	QUIREMENTS DURING FOUNDATION INSPECTION.		WOOD FRAMING CONSTRUCTION (CONT.) TOP PLATES SHALL BE DOUBLE 2X W/ WIDTH EQUAL TO STUDS BE MIN. @ MINIMUM 4'-0" LAP SPLICES. USE SIMPSON RPS OR CS16 ST
201.	CONCRETE STRENGTH SHALL BE NO LESS THAN 2,500 F ON THE PLANS.	PSI @ 28 DAYS, OR HIGHER STRENGTH IF NOTED		SIDE OR ONE SIDE AND TOP WHERE LAP SPLICE IS NOT POSSIBLE. NOTCHES, CUT-OUTS AND COMPLETE PLATE BREAKS AT HEATING,
202.	SLAB REINFORCEMENT SHALL BE PER STRUCTURAL DE	ETAILS ON SHEET S3, CENTERED IN SLAB.	306.	TYPICAL SHEAR TRANSFER: ROOF TO WALL: CONNECT ROOF FRAMING TO TOP PLATE W/ SIMPS
	REINFORCING BARS TO BE GRADE 40 FOR #3 BAR			OR A35 OR RBC @ 24" O/C OR PER SHEAR TRANSFER DETAILS.
204.	PROVIDE WEAKENED PLANE JOINTS FOR CRACK 14'-0" O/C MAX.		307	FLOOR TO WALL: PER DETAILS ON SHEET S3
205.	FOOTINGS SHALL BE PER STRUCTURAL DETAILS	S ON SHEET S3, TYPICAL.	507.	<ul> <li>SILL PLATE ANCHORS:</li> <li>GROUND FLOOR / SLAB ON GRADE WALLS: PROVIDE 2X (MIN.) PTDF</li> </ul>
206.	SILL ANCHORAGE AT ALL SHEARWALL LOCATIO ALL SHEARWALL ANCHOR BOLTS SHALL RECEI WASHER MAY BE DIAGONALLY SLOTTED (WIDTH PROVIDED THAT A STANDARD CUT WASHER IS US SHEARWALL ANCHORS SHALL BE PLACED A MI	VE A 3" SQUARE X 0.229" THICK WASHER. THE >= BOLT DIAMETER + ‰", LENGTH<=1F") SED ON TOP OF THE SQUARE WASHER.		SEE CONCRETE FOUNDATION CONSTRUCTION NOTES 206, 207 & 20 BOLTS. AT INTERIOR NON-SHEAR CONDITIONS, 0.145 SHOT PIN AND MAY BE USED TO CONNECT PARTITIONS AND BEARING WALLS TO S ALL WOOD SILL PLATES AND ALL WOOD MEMBERS DIRECTLY AGA
207		DN-SHEARWALL CONDITIONS SHALL BE JT WASHER. SPACING SHALL NOT DLT NOT MORE THAN 9 INCHES, OR		MASONRY SHALL BE FOUNDATION GRADE REDWOOD SILLS OR PTE SODIUM BORATE (SBX/DOT) WHEN INSTALLED IN A DRY OR ENCLOS (SODIUM BORATE TREATMENT DOES NOT REQUIRE CORROSION RE IF OTHER TREATMENTS ARE USED, SEE NOTE 309.
208.	ANCHOR BOLTS SHALL BE EMBEDDED A MIN. OF TWO-POUR SYSTEM, ANCHOR BOLTS TO BE EMB		309.	FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD: ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED ACQ-C, ACQ-D, CA-B, AND CBA-A WITHOUT AMMONIA SHALL BE GAL ASTM A153.
209.	SEE WOOD FRAMING CONSTRUCTION NOTES FO	R ALTERNATE SILL ANCHORAGE.		ALL NAILS AND FASTENERS IN CONTACT WITH PRESSURE TREATED
210.	ALL HOLDOWNS SHALL BE PLACED A MINIMUM I EXTERIOR CORNER OF SLAB.	DIM AS SHOWN IN DETAIL 5/S3 FROM		ACQ-C, ACQ-D, CA-B, AND CBA-A WITH AMMONIA SHALL BE TYPE 30 OR 316 STAINLESS STEEL.
211.	VERIFY ALL DIMENSIONS WITH ARCHITECTURAL ALL DIMENSIONS PRIOR TO CONSTRUCTION. IM CITY OF ENCINITAS OF ANY DISCREPANCY, TYPIC	MEDIATELY NOTIFY HOMEOWNER AND		WHERE PRESSURE TREATED LUMBER IS INSTALLED IN AN EXTERIO ALL NAILS AND FASTENERS IN CONTACT WITH THE PRESSURE TRE TYPE 303, 304, 305, OR 316 STAINLESS STEEL.
212.	PROVIDE A UFER GROUND FOR ELECTRICAL SYS	STEM PER ARTICLE 250.52 N.E.C.	310.	RE-TIGHTEN ALL HOLDOWN ANCHORS JUST PRIOR TO COVERING T
213.	ALL SURROUNDING FLAT WORK SHALL BE VERI AMOUNT TO BE POURED.	FIED WITH HOMEWONER FOR LOCATION AND		NOT USED
214.	RETROFIT MISPLACED HOLDOWNS AS NOTED BE SET-XP EPOXY PER MANUFACTURERS INSTALLA		312.	"PSL" REFERS TO PARALLEL STRAND LUMBER (E=2.0, FB=2900). "LSL" REFERS TO LAMINATED STRAND LUMBER (E=1.55, FB=2325). (E=1.3 & FB=1700 AT LSL CONDITIONS WITH D (DEPTH) < 9")
	MISPLACED HOLDOWN LSTHD8, HTT4 STHD10, STHD14, HTT5 LTT20B LTT20B HDU8 RETROFIT BOLT †" ALL-THREAD, EMBED 9" †" ALL-THREAD, EMBED 9" †" ALL-THREAD, EMBED 7" ATTACH TO EXISTING A.B ‡" ALL-THREAD, EMBED 15	"HTT5 "LTT20B 3. LTT20B		"LVL" REFERS TO LAMINATED VENEER LUMBER (E=1.9, FB=2600). "GLB" REFERS TO 24F-1.8E GLU-LAM WITH STANDARD CAMBER, U.N. "IJC" ENGINEERED GLU-LAM BEAM MAY BE USED UPON ENGINEER A AN A.I.T.C CERTIFICATE OF COMPLIANCE ISSUED BY A CURRENT IC APPROVED QUALITY CONTROL AGENCY FOR GLUED LAMINATED W SHALL BE GIVEN TO THE BUILDING INSPECTOR PRIOR TO INSTALLA
215.			313.	LUMBER SPECIFICATIONS: ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH. STUDS, PL/ 2X4 FRAMING LUMBER NOT LISTED BELOW 92-1/4", 104-1/4", & 116-1/4" 2X4 STUDS 2X4 STUDS OVER 10' 2X4 SILLS & PLATES 2X4 SILLS & PLATES 2X6 STUDS, SILLS, & PLATES #2 OR BETTER #2 OR BETTER
	NON-SHEAR	†" TITEN HD, EMBED 3" MIN.		4X4 STUDS & POSTS%2 OK BETTER4X6, 6X6, & LARGER STUDS & POSTS#1 OR BETTER
	ANY OTHER NON-SHEAR	0.145 DIA. SHOT PINS SPACED 4 INCHES APART ON SILL. (2) FOR EACH MISSING ANCHOR BOLT. MAX. OF (6) SHOT PINS EVERY 6 FT.		4X4, 4X6, 4X8, 4X10 BEAMS & HEADERS#2 OR BETTER4X12, 4X14 BEAMS & HEADERS#1 OR BETTER6X4 BEAMS & HEADERS#2 OR BETTER6X6 & LARGER BEAM & HEADERS#1 OR BETTER2X6 AND LARGER RAFTERS AND JOISTS#2 OR BETTER
216.	<ul> <li>WHEN REQUESTING A BUILDING DEPARTMENT FOR DOCUMENTATION IN WRITING FOR THE FOLLOWI</li> <li>A) THE PAD WAS PREPARED IN ACCORDANCE 'ENCINITAS APPROVAL.</li> <li>B) THE UTILITY TRENCHES HAVE BEEN PROPER</li> <li>C) THE FOUNDATION EXCAVATIONS, EXPANSIVE CAPACITY COMPLIES WITH THE CITY OF ENCINE</li> </ul>	ING: WITH THE SITE REQUIREMENTS AND CITY OF RLY BACKFILLED & COMPACTED. E CHARACTERISTICS AND BEARING		HOLES, CUTOUTS, AND NOTCHES IN FRAMING MEMBERS: BY VIRTUE OF CODE COMPLIANCE WITH ELECTRICAL AND PLUMBING AND NOTCHES WILL INEVITABLY BE MADE IN FRAMING MEMBERS. TH RECOGNIZES AND APPROVES VARIOUS HOLES AND NOTCHES WITH JUSTIFICATION IN CBC SECTION 2308.8.2. ENGINEERED (PSL, LSL) RE LUMBER BEAMS BEHAVE LIKE ANY OTHER RECTANGULAR SHAPE WITH
217.	ALL HOLDOWN ANCHORS & HARDWARE MUST BI A FOUNDATION INSPECTION.	E TIED IN PLACE PRIOR TO CALLING FOR		BORED, SO THE ENGINEER OR ARCHITECT MAY SPECIFY LIMITS WITH APPROVAL OTHER HOLES AND NOTCHES ARE ALLOWED AS NOTED B PSL AND LVL BEAMS: A HOLE 1 INCH IN DIAMETER CAN BE DRILLED /
_	WOOD FRAMING CONSTRUCTION			AND A 2 INCH DIA. HOLE CAN BE DRILLED IN THE MIDDLE THIRD OF T THE MIDDLE THIRD OF THE DEPTH OF THE BEAM FOR ANY PSL OR LV
	. ROOFING MATERIALS SHALL BE PER ARCHITECT			EXCEPT CANTILEVERED BEAMS AND BEAMS SUPPORTING CONCENT HOLES IN THOSE CONDITIONS REQUIRE APPROVAL IN WRITING FRO
301	. ROOF SHEATHING SHALL BE —" OR (" C-D GRADI WITH EXTERIOR GLUE, OR OSB PANELS. IDENTIF COMMON NAILS @ 6" O/C @ ALL PERIMETER ED( EDGES AND @ 12" O/C @ ALL INTERMEDIATE SU DRAG NAILING.	FICATION INDEX (24/0) W/ 8D GES AND ALL INTERIOR SUPPORTED		PSL AND LVL BEAMS: A RAKE CUT (TAPER) AT THE TOP OF THE BEAM END OF THE SUPPORT IS ALLOWED IF NOTED ON PLANS, TO A MINIMUM OF 4-3/8" AT INSIDE FACE OF SUPPORT. RAKE CUT (TAPER RESULTS IN A DEPTH AT THE INSIDE FACE OF THE SUPPORT OF 2/3R BEAM DEPTH IS ALLOWED AT CONDITIONS NOT SPECIFIED. OTHER T
302	FLOOR SHEATHING : NOT USED			ENDS AND SQUARE NOTCHES IN TOP OR BOTTOM FACE REQUIRE AF WRITING FROM THE ENGINEER OR ARCHITECT.
303	3. TYPICAL WALL SHEATHING: INTERIOR SURFACES: WHERE DRYWALL IS SPEC WALLBOARD W/ 5D COOLER NAILS OR EQUAL @	•		STUDS AND PLATES: SEE STRUCTURAL DETAILS 8 & 11 ON SHEET S AND BORING.
	BOTTOM PLATES (UNBLOCKED) AT INTERIOR SID SIDES OF ALL INTERIOR WALLS. EXTERIOR SURFACES: SEE PLANS. WHERE "STU	E OF EXTERIOR WALLS AND AT BOTH		PROVIDE 2X4 TRIMMER & 2X4 KING STUD EACH END OF EACH 4X DRO OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 4X10 OR LARGEF TRIMMERS AT EACH 3-1/2 X 7-1/2 PSL OR LSL OR LARGER.
	EXTERIOR SURFACES: SEE PLANS. WHERE STO EXTERIOR CEMENT PLASTER OVER WIRE LATH C LATH ATTACHED TO ALL STUDS AND TOP AND B OCCURS) W/ 16 GAGE X <sup>+</sup> STAPLES @ 6" O/C OR FURRING NAILS WHERE INDICATED ON ELEVATIO	OVER TYPE 15 BUILDING PAPER. OTTOM PLATES (OR BLOCKING AS NO. 11 GAGE X 1-1/2"	316.	PROVIDE 2X6 TRIMMER & 2X6 KING STUD EACH END OF EACH 6X DRC OR HEADER. PROVIDE DOUBLE TRIMMERS AT EACH 6X8 OR LARGER TRIMMERS AT EACH 5-1/4 X 7-1/2 PSL OR LSL OR LARGER.
304	. STRUCTURAL SHEATHING MAY BE EITHER OSB (	OR PLYWOOD. ANY NOTES REFERRING TO	317.	PROVIDE DOUBLE KING STUDS AT ALL OPENINGS 8'-1" WIDE AND WI
	PLYWOOD ALSO APPLIES TO OSB.			PROVIDE MINIMUM 2-1/4" BEARING @ EACH END OF EACH FLUSH BEA WHERE BEARING IS ON TOP PLATE. PROVIDE 2X4 STUD WITHIN 3" OF PROVIDE (2) 2X STUDS @ 6X OR LSL OR PSL BEAMS.

BELOW, W/ (21)16D NAILS	3. WOOD FRAMING CONSTRUCTION (CONT.) 323. ROOF RAFTERS SHALL BE 2X RAFTERS AS NOTED ON STRUCTURAL DRAWINGS	4. ICC-ES AND NER APPROVALS (CONT.) 404. ADHESIVES & ANCHORS:	NAIL SIZES       SIZE OF NAILSTANDARD WIRE     SIZE       PENETRATION
STRAP EACH E. SEE DETAILS FOR	324.EAVES SHALL BE PER ARCHITECTURAL PLANS W/ APPLIED TAILS PER ARCHITECTURAL	SIMPSON EPOXY-TIE HIGH STRENGTH EPOXY (SET-XP)ICC-ES ESR-1772, 2503 SIMPSON WEDGE-ALL (WA) WEDGE ANCHORSICC-ES ES-1771	
G, VENTING, AND PLUMBING.	PLANS. OVERHANG DETAILS ARE NOT SHOWN ON STRUCTURAL PLANS. 325. SEE THE ARCHITECTURAL ROOF PLANS FOR ROOF PITCH AND ADDITIONAL INFORMATION.	SIMPSON TITEN HDICC-ESR-1056, 2713 SIMPSON SHOT PINS ICC-ES ESR-2138	6D         2"         12         0.099         1 ""           8D         2"         11         0.113         1 ,"
IPSON H1 @ 24" O/C	326. COMBINE AND GROUP PLUMBING VENTS WHENEVER POSSIBLE TO MINIMIZE ROOF	HILTI X-DN, X-ZF, X-CF SHOT PINSICC-ES ER-1663, 1752, 2269	10D         3"         10         0.128         1 "           12D         3,"         10         0.128         1 "           16D         3"         10         0.135         1 "
	PENETRATIONS.	5. NAILING & FASTENING	- 16D SINKER 3," 9 0.148 1 " COMMON NAILS
	327. WOOD TO WOOD CONNECTORS SHALL BE SIMPSON STRONG TIE OR USP STRUCTURAL CONNECTORS. ALL SPECIFIED CONNECTOR CALL-OUTS ARE SIMPSON CATALOG CALL-OUTS. USP SUBSTITUTIONS SHALL HAVE A CAPACITY EQUAL TO OR GREATER THAN THE SIMPSON	500. 16D NAILS AS SHOWN ON THE DETAILS MAY BE COMMON, BOX, OR SINKER NAILS (0.135" MIN. DIAMETER)	6D         2"         11         0.113         1,"           8D         2"         10,         0.131         1 "           10D         3"         9         0.148         1 †"
DF SILL PLATES. 208 FOR ANCHOR NCHORS @ 32" O/C	CATALOG VALUES. ANY OTHER ICC APPROVED METAL CONNECTOR MAY BE USED UPON APPROVAL BY THE ENGINEER OR ARCHITECT.	501. AS AN ALTERNATE TO THE COMMON AND BOX NAILS SPECIFIED IN THE STRUCTURAL PLANS, THE FOLLOWING "CUTLER" GUN NAILS (OR EQUAL) ARE ACCEPTABLE ALTERNATIVES.	12D 3," 9 0.148 1 †" 16D 3" 8 0.162 1 <i>f</i> "
SLAB. GAINST CONCRETE OR	<sup>328.</sup> ICC APPROVED CONNECTORS SHALL BE USED WHERE CONNECTORS ARE SPECIFIED. UNLESS OTHERWISE NOTED, THE FOLLOWING BEAM AND JOIST HANGERS SHALL BE USED:	502. ALTERNATE NAILING FOR ROOF SHEATHING: 8D 2" X 0.135 WIRE BARBED NAILS BY CUTLER OR EQUAL.	
TDF SILLS, TREATED WITH DSED ENVIRONMENT.	BEAM OR JOIST SIMPSON/USP HANGER I-JOIST FLOOR JOISTS IUS, IUT, OR ITT HANGERS	503. ALTERNATE NAILING FOR FLOOR SHEATHING:	
RESISTANT CONNECTORS.)	1.75 X LSL AND LVL HU, HUS, OR WPU 2.69 X PSL AND LVL HU OR HWU	#8 X 2" SELF SETTING WOOD SCREWS, OR 8D 2" X 0.135 OR 0.148 SCREW SHANK FLOOR NAILS BY CUTLER OR EQUAL	
	3.5 X PSL AND LVL HHUS OR HWU 5.25 X PSL AND LVL HHUS OR HWU	504. SHEAR PANELS WHERE 8D COMMON NAILS ARE SPECIFIED:	
ED LUMBER TREATED WITH ALVANIZED PER	7 X PSL AND LVL HHUS OR HWU	10D 2" X 0.148" WIRE BARBED NAILS BY CUTLER OR EQUAL	
ED LUMBER TREATED WITH 303, 304, 305,	AT BEAM HANGER CALLOUTS, IE HGUS OR HU BEAMS, THE CALLOUT IS ABBREVIATED. THE HANGER WIDTH MAY BE OMITTED TO ALLOW FLEXIBILITY IN ORDERING. EXAMPLE: 2.69 PSL THE CALLOUT MAY READ HGUS12. AN HGUS2.75/12 OR HGUS412 (WITH FILLERS) ARE APPLICABLE. WHERE HANGERS OFFER (MIN) OR (MAX), NAIL TO APPLY (MAX) LOADS.	NAILING SCHEDULE, MINIMUMS (CBC CHAPT) CONNECTION 1. JOIST TO SILL OR GIRDER 2. BRIDGE TO JOIST	<u>ER 23, TABLE 2304.9.1)</u> <u>NAILING<sup>1 3</sup></u> 3-8d T.N. 2-8d T.N. EA END
	329. CS16 COIL STRAPS MAY BE USED AS AN ACCEPTABLE ALTERNATIVE TO THE FOLLOWING	3. 1" x 6" SUBFLOOR TO EACH JOIST 4. WIDER THAN 1" x 6" SUBFLOOR TO EACH	2-8d F.N.
IOR WET ENVIRONMENT, REATED LUMBER SHALL BE	DETAILED CONDITIONS: ST22 = CS16 X 28" LONG	<ol> <li>5. 2" SUBFLOOR TO JOIST OR GIRDER</li> <li>6. SOLE PLATE TO JOIST OR BLOCKING</li> </ol>	2-16d BLIND & F.N. 16d @ 16" O.C.
LATED LOWIDER OHALL DE	ST6224 = (2) CS16 X 28" LONG	SOLE PLATO TO JOIST OR BLOCKING, AT 7. TOP PLATE TO STUD	BRACED WALL PANELS 3-16d PER 16" 2-16d END NAIL
THE WALL FRAMING.	HTS24 = CS16 X 28" LONG WB106 = CS16 X106" LONG W/ 10D @ 2-1/2" O/C	8. STUD TO SOLE PLATE 9. DOUBLE STUDS 10. DOUBLED TOP PLATES	4-8d TOENAIL OR 2-16d END NAIL 16d @ 24" O.C. F.N. 16d @ 16" O.C. F.N
	<sup>330.</sup> WHERE SHEARWALL LENGTHS ARE SPECIFIED ON THE PLANS, THE LENGTH SHOWN IS A	10. DOUBLED TOP PLATES DOUBLE TOP PLATES, LAP SPLICE 11. BLOCKING BETWEEN JOISTS OF RAFTERS	16d @ 16" O.C. F.N. 8-16d S TO TOP PLATE 3-8d T.N.
	MINIMUM DIMENSION. THE SHEARWALL MAY BE LENGTHENED FOR CONSTRUCTION PURPOSES, BUT SHALL NOT BE REDUCED UNLESS OTHERWISE NOTED. ALL ENGINEERED	12. RIM JOISTS TO TOP PLATE, TOENAIL 13. TOP PLATES, LAPS AND INTERSECTIONS	8d @ 6" O.C. T.N.
	WOOD PANEL SHEAR (PLYWOOD OR OSB) SHALL BE BLOCKED.	14. CONTINUOUS HEADER, TWO PIECES 15. CEILING JOISTS TO PLATE	16d @ 16" O.C. ALONG EACH EDGE 3-8d T.N.
	<sup>331.</sup> THE FOLLOWING HOLES IN SHEARWALLS ARE ALLOWED: A) APPROXIMATELY SQUARE HOLES NOTCHED, PUNCHED, OR CUT THAT ARE LESS THAN	16. CONTINUOUS HEADER TO STUD 17. CEILING JOISTS, LAPS OVER PARTITIONS	
N.O. APPROVALS.	25 SQ. INCHES B) APPROXIMATELY SQUARE HOLES CLEAN CUT OR BORED IN SHEARWALLS THAT ARE	18. CEILING JOISTS TO PARALLEL RAFTERS 19. RAFTER TO PLATE 20. 1" BRACE TO EACH STUD AND PLATE	3-16d F.N. 3-8d T.N. 2-8d F.N
CC	LESS THAN 64 SQ. INCHES (ONE HOLE PER 4' OF SHEARWALL.)	20. 1" BRACE TO EACH STUD AND PLATE 21. 1" x 8" SHEATHING OR LESS TO EACH BEA 22. WIDER THAN 1" x 8" SHEATHING TO EACH	
NOOD MEMBERS ATION.	C) APPROXIMATELY SQUARE HOLES, LESS THAN 64 SQ. INCHES (ONE HOLE PER 8' OF SHEARWALL) WITH ALL EDGES BLOCKED & EDGE NAILED.	23. BUILT-UP CORNER STUDS 24. BUILT-UP GIRDER & BMS 20d @32"O.	16d @ 24" O.C. C. STAGRD T&B, 2-20d @ ENDS & EA. SPLICE
	D) HOLES INDIVIDUALLY APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD.	25. 2" PLANKS 26. COLLAR TIE TO RAFTER 27. JACK PAETER TO HIP	2-16d @ EACH BEARING 3-10d F.N. 3-10d T.N. OR 2-16d F.N.
PLATES & BLOCKING: E OR BETTER	<ul> <li><sup>332.</sup> CS16 NAILING:</li> <li>A) 2X WALL BLOCKING &amp; I JOIST BLOCKING, NAIL EVERY OTHER HOLE, OR NAIL 2 &amp; SKIP 2</li> </ul>	27. JACK RAFTER TO HIP 28. ROOF RAFTER TO 2x RIDGE BEAM 29. JOIST TO BAND JOIST	3-10d T.N. OR 2-16d F.N. 2-16d T.N. OR 2-16d F.N. 3-16d F.N.
BETTER	B) AT PLATES, BEAMS & COLUMNS PROVIDE ANY LENGTH NECESSARY FOR FULL NAILING: (22) 8D (0.131)(22) 16D BOX (0.135) (20) 10D (0.148)	30. LEDGER STRIP 31. WOOD STRUCTURAL PANELS <sup>2</sup> ,	3-16d F.N. SEE SHEAR PANEL SCHEDULE
TTER	LONGER LENGTHS OR GREATER NAIL SPACING IS ACCEPTABLE PROVIDED ALL REQUIRED NAILS ARE INSTALLED.	ROOF AND WALL SHEATHING (TO FRAMIN	G) E CBC TABLE 2304.9.1, FASTENING SCHEDULE.
ITER OR #1	<sup>333.</sup> STUDS SHALL BE SPACED @ 16" O/C MAX. UNLESS OTHERWISE SPECIFIED.	<sup>1</sup> COMMMON WIRE NAILS ARE TO BE USED, U.	
	<sup>334.</sup> NAILS FOR SHEAR TRANSFER MAY NOT BE DRIVEN PARALLEL WITH THE FLANGES OF I-JOISTS. (PERPENDICULAR TO THE FLANGE IS ALLOWED.)	OF NAILS MUST BE INCREASED BY 37% (MUL SUBSTITUTIONS CONSULT THE ENGINEER FO 2NAILS SPACED AT 6 INCHES ON CENTER AT	TIPLY BY 1.37). FOR OTHER NAIL OR INCREASED # OF NAILS.
	<sup>335.</sup> ALL FINISHES, WATERPROOFING, DRAINAGE, AND FIRE-RELATED ELEMENTS ARE BY THE ARCHITECT OF RECORD AND ARE REQUIRED EVEN THOUGH THEY MAY NOT BE SHOWN ON THE STRUCTURAL PLANS AND DETAILS.	OR MORE. FOR NAILING OF WOOD STRUCTU WALLS, SEE SHEAR PANEL SCHEDULE AND D	RTS WHERE SPANS ARE 48 INCHES RAL DIAPHRAGMS AND SHEAR
NG CODES, HOLES THE CODE HOUT ENGINEERING	<ul> <li><sup>336.</sup> EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND- OR</li> </ul>	<sup>3</sup> WHERE 2" MEMBER IS DETAILED USE THE N	UMBER OF 16d SHOWN, U.N.O.: MEANS 3-16d COMMON WIRE NAILS
RECTANGULAR WHEN NOTCHED OR	SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND		
ITHOUT MANUFACTURER D BELOW:	THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF	1. GENERAL DESIGN CRITERIA	2. STATEMENT OF SPECIAL INSPECTIONS
DANYWHERE,	AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTION.	700. BUILDING CODE: 2016 CALIFORNIA BUILDING CODE AND 2016 CALIFORNIA RESIDENTIAL CODE (AS APPLICABLE)	800. RETROFIT ANCHOR BOLTS FOR MISPLACED HOLDOWNS
THE SPAN IN LVL BEAM,		701. SEISMIC DESIGN CRITERIA:	WITH ALL-THREAD ROD AND SIMPSON SET-XP EPOXY REQUIRE SPECIAL INSPECTION. (NO SPECIAL INSPECTION)
ITRATED LOADS. OM THE ENGINEER.	4. ICC-ES AND NER APPROVALS	SOIL BEARING VALUE 1,500 psf SITE CLASS C SEISMIC DESIGN CATEGORY D	IS REQUIRED FOR RETROFIT ANCHOR BOLTS OR TITEN WITHOUT A HOLDOWN ATTACHED.)
AM AT THE	400. PLYWOOD AND OSB PANELS: APA PLYWOOD & OSB-ESR-2586 FULL REPORTS FOUND AT: HTTP://WWW.ICC-ES.ORG	SEISMIC DESIGN CATEGORY D RISK CATEGORY II SEISMIC IMPORTANCE FACTOR 1 Ss 1.245	801. PER CBC 1705.3 SPECIAL INSPECTION IS NOT REQUIRED FOR NON-STRUCTURAL SLABS ON GRADE NOR FOR CONCRETE FOOTINGS THAT SUPPORT 3 STORIES ABOV
ER) THAT 3RDS THE	401. JOISTS AND RAFTERS AND BEAMS: TRUS-JOIST TJI JOISTS AND PSL, LSL, & LVLICC-ES ESR-1387, 1153,	SS 1.245 S1 0.442	GRADE OR LESS.
R TAPERED APPROVAL IN	BOISE CASCADE BCI JOISTS, VERSA-LAM, & VERSA-STRANDICC-ESR-1040, 1336 LOUISIANA PACIFIC JOISTS & BEAMSESR-1305, 2403	BASIC SEISMIC FORCE RESISTING SYSTEM:BEARING WALL ANALYSIS METHOD: EQUIVALENT LATERAL FORCE PROCEDUR	802. PER CBC 1705.11 SPECIAL INSPECTION IS NOT REQUIRE FOR SEISMIC COMPONENTS FOR DETTACHED ONE- AND
	ROSEBURG JOISTS & BEAMSESR-1210, 1251 GLU-LAM BEAMS ESR-1940	SEE STRUCTURAL CALCULATIONS FOR SD1, SDS, DESIGN BASI SHEAR, Cs, & R FACTORS.	
S3 FOR NOTCHING	402. WOOD CONNECTORS:	702. WIND DESIGN CRITERIA :	
ROPPED BEAM	SIMPSON CONNECTORSICC-ES ESR #S 1161, 1622, 1866, 2105, 2203, 2236, 2320, 2549, 2551, 2552, 2553, 2330, 2554, 2555, 2604, 2605, 2606, 2607, 2608,	WIND SPEED (V-ult)110 mphRISK CATEGORYIIEXEQUIDE0	SOILS REPORT
ER. PROVIDE DOUBLE	2611, 2613, 2614, 2615, 2616, 2877, 2920, 3046 IAPMO ER-112, 130, 143, 192, 262	EXPOSURE C INTERNAL PRESSURE COEF 0.18	A SOILS REPORT MAY BE REQUIRED BY THE BUILDING
	USP LUMBER CONNECTORSICC-ES ESR #S 1178, 1280, 1575, 1702, 1781, 1881,	EXTERIOR CLADDIBFG (0.6W) 13 psf	OFFICIAL. IN-LUE OF THE SOILS REPORT A CONSERVAT VALUE FOR THE SOIL BEARING ALLOWABLE OF 1500 PS
Ropped Beam R. Provide Double	1970, 2104, 2685, 1831, 1465, 2761, 2787, IAPMO ER-200 QUICK DRIVE WOOD SCREWSICC-ES ESR-1472	704. SEE DETAIL SHEETS FOR REFERENCE DETAILS. SOME TYPICAI DETAILS WHICH APPLY THROUGHOUT MAY NOT BE REFERENCED, BUT STILL APPLY.	- HAS BEEN USED IN DESIGN OF THE BUILDING.
	403. PREFABRICATED SHEAR PANELS: SIMPSON STRONG-WALL SHEAR PANELSICC-ES ESR-1267	705. DESIGN LOADING:	
/IDER OR PER PLAN.	SIMI SON STRONG-WALL STLANT ANELS-100-ES EST-1207		
WIDER OR PER PLAN. EAM OR HEADER	SIMPSON STEEL STRONG WALL-ICC-ES ESR-1679 SIMPSON STRONG-WALL SB SHEAR BRACESICC-ES ESR-2652	ROOF DL     18 psf       ROOF LL     20 psf       FLOOR DL     N/A psf	

0 Common state  $\square$ σ . -----S S C 0 Ξ + -0 5 4 D d t O -Z U 5 5 σ -----S ш

 $\leq$ 0 U 0 DI TAS U s Š E H 230 Z SIG P.O. ш 

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THE CITY OF ENCINITAS. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS.

2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

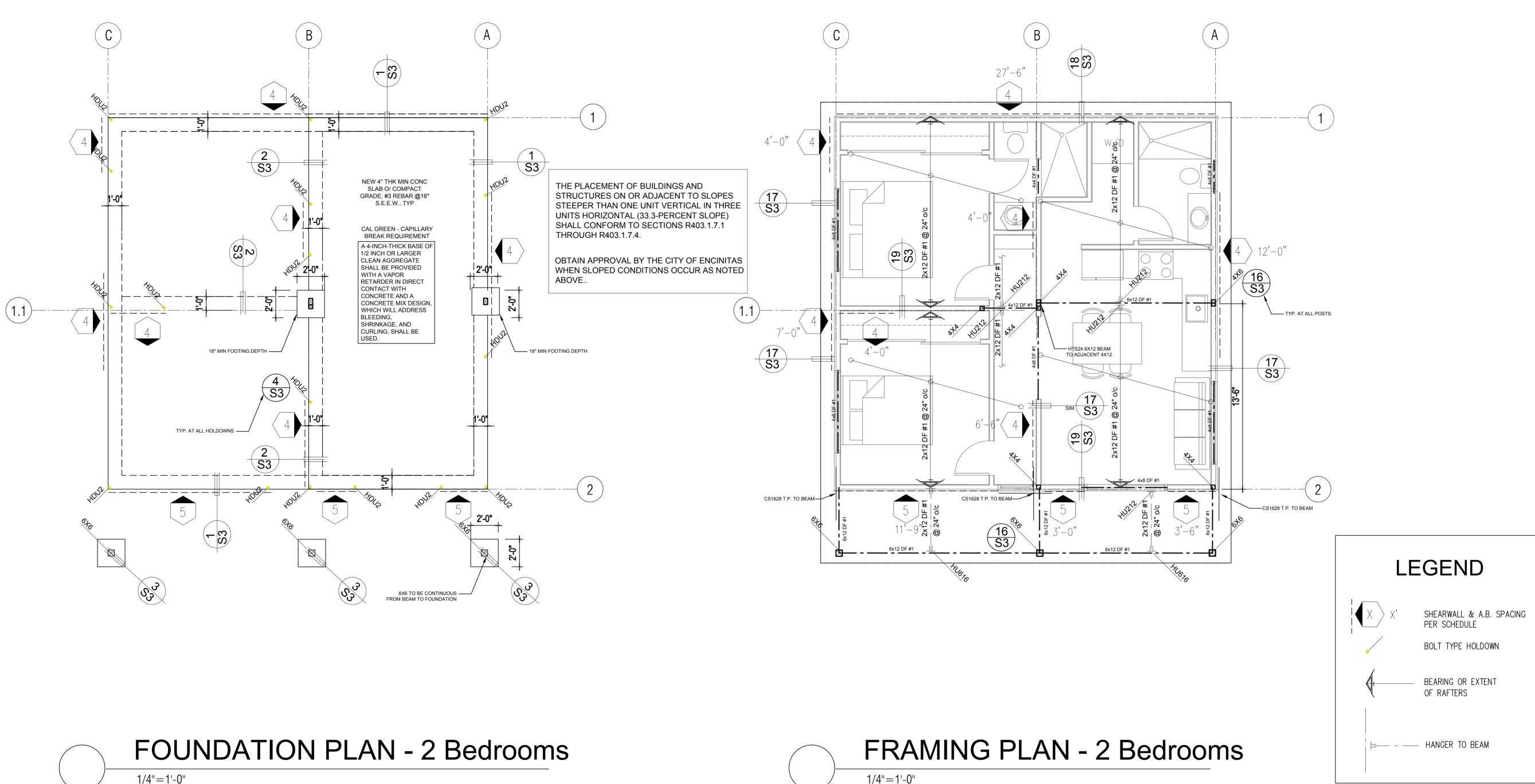
project

PRADU City Of Enicintas

description

# General Structural Notes

date	March 27 2019
project no.	2018 PRADU
drawn by	ysp
sheet no.	
	S1



1

## SHEAR WALL SCHEDLILE (ASD VALUES)

		2	3	4	5	6	7	8	9
SHEARWALL DESCRIPTION (See footnotes 1& 4)	<sup>1</sup> / <sub>2</sub> " gypsum wallboard, unblocked w/ 5d cooler or wallboard @ 7" o/c (See footnote 2)	<sup>5</sup> ∕ <sub>8</sub> " gypsum wallboard, unblocked w/ 6d cooler or wallboard @ 4" o/c (See footnote 2)	$\frac{7}{8}$ " stucco & 18ga. mesh, unblocked 0.120x1 $\frac{1}{2}$ " nails ( $\frac{7}{16}$ " heads) @ 6" o/c	12" o/c field, blocked	$\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ $\frac{4}{2}$ " o/c edge, 12" o/c field, blocked (See footnote 3 & 5)	$\frac{3}{8}$ " ply. C-D or C-C sheathing, (1) side w/ 8d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 5, & 6)	<ul> <li><sup>3</sup>/<sub>8</sub>" rated STRUCT 1 panel,</li> <li>(1) side w/ 8d @ 3" o/c edge,</li> <li>12" o/c field 3x abutting panel studs blocked</li> <li>(See footnote 3, 5, &amp; 6)</li> </ul>	<sup>15</sup> / <sub>32</sub> " rated STRUCT 1 panel, (1) side w/ 10d @ 3" o/c edge, 12" o/c field 3x abutting panel studs blocked (See footnote 3, 5, 6, & 7)	<sup>15</sup> / <sub>32</sub> " rated STRUCT 1 panel, (1) side w/ 10d @ 2" o/c edge, 12" o/c field 3x abuttin panel studs blocked (See footnote 3, 5, 6, & 7)
SHEAR VALUE	100	145	180	260*	350*	490*	550*	665*	870*
ANCHOR BOLT SPACING	<sup>5</sup> ⁄ <sub>8</sub> " @ 48" or ½" @ 48"	<sup>5</sup> %" @ 48" or ½" @ 48"	<sup>5</sup> %" @ 48" or ½" @ 48"	5%" @ 48" or ½" @ 32"	5⁄8" @ 32" or ½" @ 24"	5%" @ 24" or ½" @ 16"	5⁄8" @ 24" or ½" @ 16"	5⁄8" @ 16" or 1∕2" @ 24"	5%" @ 12" or ½" @ 8"
16d (0.148") SILL NAILING	12" or (2) @ 16"	8" or (2) @ 16"	8" or (2) @ 16"	6"	4½"	3½"	3"	¼"x4½" SDS screws @ 8"	¼"x4½" SDS screws @ 8"

SHALL NOT BE HOT-DIPPED OR TUMBLED.

(2) WHEN GYPSUM WALLBOARD SHEAR IS SPECIFIED ON BOTH SIDES OF A WALL, ANCHOR BOLT SPACING SHALL BE  $\frac{5}{8}$ " @ O/C OR  $\frac{1}{2}$ " @42" O/C.

(3) WHEN PLYWOOD SHEAR IS SPECIFIED ON BOTH SIDES OF A WALL, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS, OR FRAMING SHALL BE 3" NOMINAL OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED. STILL PLATES SHALL BE 3" NOMINAL OR THICKER WITH ANCHOR BOLTS STAGGERED TO ACHIEVE THE ½" MAX. EDGE DISTANCE FROM ALTERNATING SILL PLATE EDGES. ANCHOR BOLT SPACING TO BE REDUCED BY 50% OR AS NOTED ON THE PLANS.

(4) SILL PLATES & WASHERS SHALL COMPLY WITH THE CONCRETE FOUNDATION CONSTRUCTION AND WOOD FRAMING CONSTRUCTION NOTES. (SEE NOTES #206, 208, 209. 307, 308, 309, ETC.)

(5) IN PLYWOOD SHEARWALLS, THE EDGE OF THE 3" SQUARE WASHERS (SEE NOTE #206) SHALL BE ½" OR LESS FROM THE EDGE OF THE SILL PLATE ON THE SIDE OF THE SHEATHING. ALL NAILING SHALL BE 3/8" MIN. FROM THE EDGE OF SHEATHING.

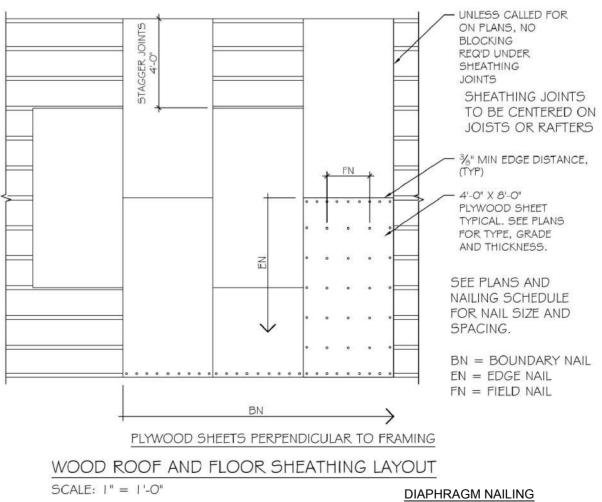
(6) WHERE ALLOWABLE SHEAR VALUES EXCEED 350 PLF (SHEARWALL TYPES 6, 7, 8, & 9) ALL FRAMING RECEIVING NAILING FROM ABUTTING PANEL EDGES SHALL NOT BE LESS THAN A SINGLE 3" NOMINAL MEMBER OR (2) 2X MEMBERS NAILED WITH 10D , SPACING EQUAL TO THE E.N. SPACING. PLYWOOD JOINT AND SILL NAILING SHALL BE STAGGERED.

(7) IN SHEARWALL TYPES 8 & 9, SILL PLATE NAILING SHALL BE STAGGERED. AT SECOND FLOOR CONDITIONS, PROVIDE ADEQUATE RIM OR BLOCKING TO PREVENT SPLITTING.

(\*) ALLOWABLE SHEAR VALUES FOR PLYWOOD SHEARWALLS MAY BE INCREASED BY 40% UNDER WIND LOADING.

SHEAR WALL NAILING NAILS CALLED OUT IN THESE PLANS & DETAILS ARE COMMON NAILS. 8d COMMON NAILS ARE 2<sup>1</sup>/<sub>2</sub>" LONG W/ 0.131" SHANK DIAM. 10d COMMON NAILS ARE 3" LONG W/ 0.148" SHANK DIAM. 16d COMMON NAILS ARE 3<sup>1</sup>/<sub>2</sub>" LONG W/ 0.162" SHANK DIAM. 8d, 10d, & 16d GUN OR BOX NAIL IS NOT AS LONG AND HAS LESSER SHANK DIAM, HENCE HAS A REDUCED LOAD CAPACITY OF APROX. 19%

SEE DETAIL 13/S3 FOR TYP. SHEAR WALL DETAIL



ROOF PLY:
5/8" (41/20) A.P.A. RATED SHEATHING,
EXTERIOR PLY, 10d NAILS @6" B.N.,
6" E.N., 12" F.N., TYPICAL

JSE 10d NAILS, U.N.O. ON PLAN

B.N BOUNDRY, CONT. PANEL EDGES, STRUTS OR DRAGS	6"
E.N ALL OTHER PANEL EDGES	6"
F.N IN THE PANEL FIELD	12"
BLOCKING OF UNSUPPORTED EDGES OF PANELS W/ FLAT 2x4'S	NOT REQD, U.N.O.
ALLOWABLE SHEAR LOADS (LB/FT), FOR C-D, C-C, SHTNG, UBC STD. 23-2 & 23-3	285 / 215

NOTE:

WOOD STRUCTURAL PANEL

CONSTRUCTED WITH WOOD

STRUCTURAL PANEL SHEETS

NOT LESS THAN 4 FEET BY 8

FEET, EXCEPT AT BOUNDRIES

INCHES UNLESS ALL EDGES OF

THE UNDERSIZED SHEETS ARE

IF STRUCTURAL PANEL SHEETS

BLOCK UNSUPPORTED EDGES

ARE LESS THAN 24 INCHES,

WITH FLAT 2x4'S AND EDGE

NAIL. ALSO, EDGE NAIL

ADJOINING SHEETS.

AND CHANGES IN FRAMING

WHERE MINIMUM SHEET

DIMENSION SHALL BE 24

SUPPORTED BY FRAMING

MEMBERS OR BLOCKING.

DIAPHRAGMS SHALL BE

### 0 0 σ ...... ()S S C 0 -S T -0 $\triangleleft$ O 4 0 Z -Ζ • ----0 0 -U S 5 5 ш σ -----S ш

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THE CITY OF ENCINITAS. THIS DOES NOT ELIMINATE O REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY

THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW. INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION.

IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

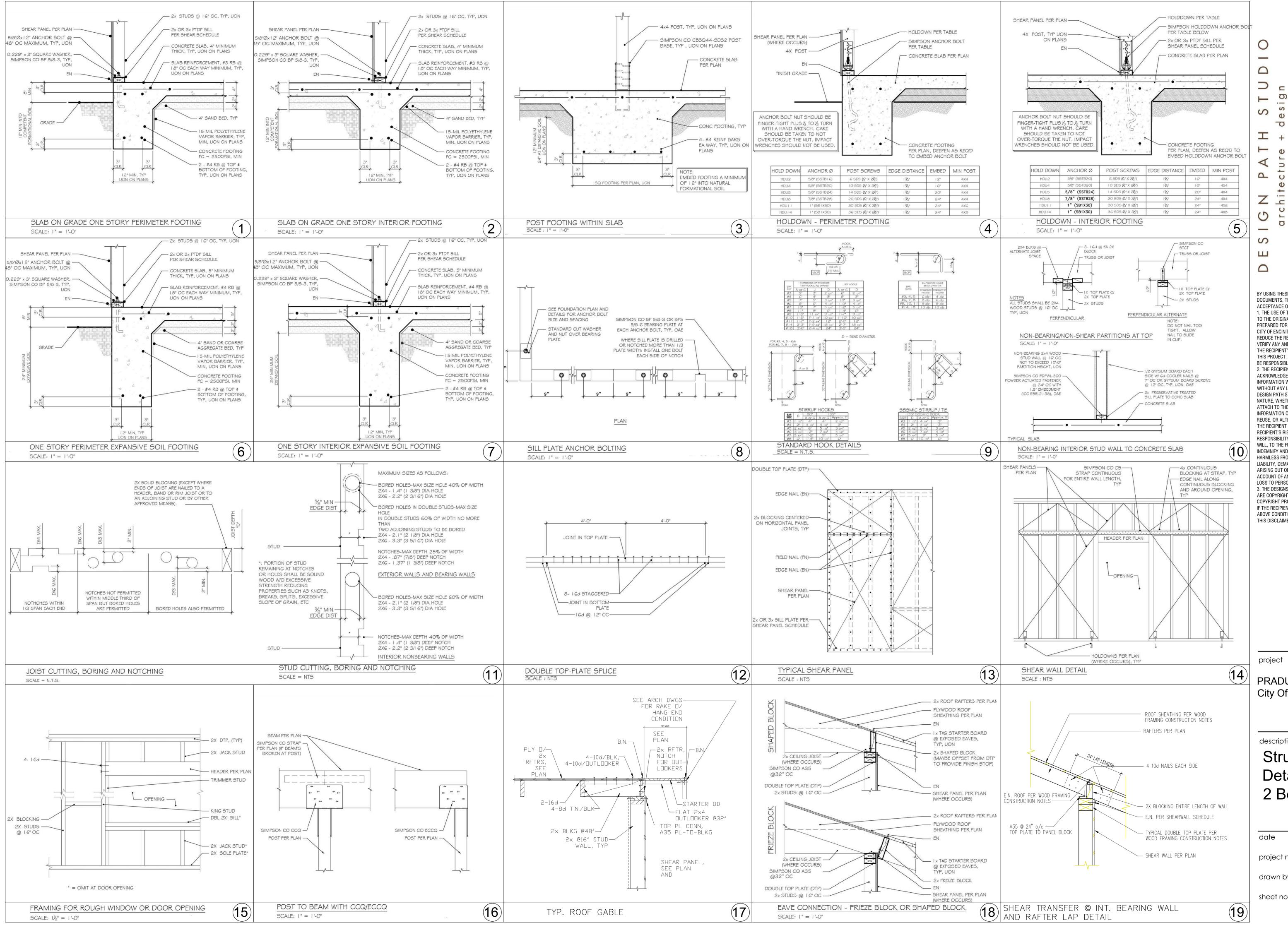
project

## PRADU City Of Enicintas

## description

# Foundation/ Framing Plan 2 Bedroom

date	March 27 2019
project no.	2018 PRADU
drawn by	ysp
sheet no.	
	CO
	<b>3</b> 2



BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. . THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THE CITY OF ENCINITAS. THIS DOES NOT ELIMINATE OF REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE

0

()

-

T

-

4

Z

0 0

S

ш

S

RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION.

IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

PRADU City Of Enicintas

description Structural Details 2 Bedroom

date	March 27 2019
project no.	2018 PRADU
drawn by	ysp
sheet no.	53

CERTIFIC	ATE OF COMPLIANCE - RESIDENTI	AL PERFORMANCE COMPLIANCE ME	ETHOD		CF1R-PRF-01					
Project Na	ame: PRADU 2 Bed	Ca	lculation	Page 1 of 8						
Calculation Description: Title 24 Analysis				Input File Name: PRADU2Bed.ribd16x						
GENERAL	INFORMATION									
01	Project Name	PRADU 2 Bed								
02	Calculation Description	Title 24 Analysis								
03	Project Location	ш								
04	City	Encinitas	05	Standards Version	Compliance 2017					
06	Zip Code	92024	07	Compliance Manager Version	BEMCmpMgr 2016.3.1 (1149)					
08	Climate Zone	CZ7	09	Software Version	EnergyPro 7.2					
10	Building Type	Single Family	11	Front Orientation (deg/Cardinal)	Cardinal					
12	Project Scope	Newly Constructed	13	Number of Dwelling Units	1					
14	Total Cond. Floor Area (ft <sup>2</sup> )	745	15	Number of Zones	1					
16	Slab Area (ft <sup>2</sup> )	745	17	Number of Stories	1					
18	Addition Cond. Floor Area(ft <sup>2</sup> )	n/a	19	Natural Gas Available	Yes					
20	Addition Slab Area (ft <sup>2</sup> ) n/a		21	Glazing Percentage (%)	15.6%					
COMPLIAN	NCE RESULTS									
01	Building Complies with Computer Per	formance	D	TC Inc						
02	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.									
03	This huilding incorporates one or more Special Features shown holiny									

	and a second									
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.									
03	This building incorporates one or more Special Features shown below									
	HERS PROVIDER									

Registration Number: 218-P010322498A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2016 Residential Compliance Report Version - CF1R-11302018-1149

Registration Date/Time: 2018-12-05 15:43:25 HERS Provider: CalCERTS inc. Report Generated at: 2018-12-05 14:01:43

roject Name: PRADU 2 Be	ed			Calc	Calculation Date/Time: 14:01, Wed, Dec 05, 2018 Page 4 of								Page 4 of
alculation Description: Ti	tle 24 Analysis			Inpu	t File I	Name: F	RADU	J2Bed.ribd16x	6				
UILDING - FEATURES INFO	RMATION												
01	02	03			04	04 05				0	6		07
Project Name				Number of Dwelling Units Number of				Number of Ventilation Cooling Systems					
PRADU 2 Bed	745	1		2			1		0	l.		1	
ONE INFORMATION			5x										
01	02	Т	03		1	04		05		06		07	
Zone Name	Zone Type			lame	Zon	e Floor A (ft <sup>2</sup> )	Area	Avg. Ceiling Height	Wat	er Heating	System 1	Water Heatin	a System 2
2 Bed	Conditioned	New Furnace	1010010100	+	745	-+	8.9		DHW Sy	-	Water Heating System 2 n/a		
DPAQUE SURFACES													
01	02	2 03			0.		4	05	T	06		07	08
Name	Zone			struction	n Azimu		nuth	Orientation	Gross	Area (ft <sup>2</sup> )	Window &	Door Area (ft <sup>2</sup> )	Tilt (deg)
Front Wall 2 Bed	2 Bed		R	R-15 Wall			0	Front		271		52.02	90
Right Wall 2 Bed	2 Bed		R-15 Wall		-	270		Right		240		16	90
Back Wall 2 Bed	2 Bed		R-15 Wall		180		80	Back	221		0		90
Left Wall 2 Bed	2 Bed		R-15 Wall			-	90	Left	0.0	240		48	90
		L	HERS	P	R	01	11	DEI	2				
PAQUE SURFACES – Cathe							_		1			1 22	
01	02		03	0	4	05	-	06	0		08	09	10
Name	Zone		Туре	Orient	tation	Area (f		Skylight Area (ft2)	Roof (x in	and the second second	Roof eflectance	Roof Emittance	Cool Roo
Roof 2 Bed	2 Bed	R	-30 Roof Cathedral	Fre	ont	745		0	0.	8	0.1	0.85	No
ENESTRATION / GLAZING													
01	02		03		04	4	05	06	07	08	09	10	
01			05			<u> </u>	Height		Area			10	
Name	Туре	Surfa	ce (Orientation-Azim	uth)	Width		(ft)	Multiplier	(ft <sup>2</sup> )	U-factor	SHGC	Exterior S	hading
SI Door #1	Window	Fre	ont Wall 2 Bed (Front-O	))	6.	0	6.7	1	40.0	0.32	0.23	Insect Scree	n (default)
Window #D	Window	Fre	ont Wall 2 Bed (Front-O	))	3.	0	4.0	1	12.0	0.32	0.23	Insect Scree	n (default)
Window #A	Window	Righ	nt Wall 2 Bed (Right-2)	0)		-		1	12.0	0.32	0.23	Insect Scree	n (default)
Window #B	Window	Righ	nt Wall 2 Bed (Right-2)	<b>'</b> 0)	-	-		1	4.0	0.32	0.23	Insect Scree	n (default)
Window (2) #C	Window	Le	eft Wall 2 Bed (Left-90	)		-		1	48.0	0.32	0.23	Insect Scree	n (default)

Registration Date/Time: Registration Number: 218-P010322498A-000-000-0000000-0000 2018-12-05 15:43:25 CA Building Energy Efficiency Standards - 2016 Residential Compliance Report Version - CF1R-11302018-1149

### CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Calculation Date/Time: 14:01, Wed, Dec 05, 2018 Project Name: PRADU 2 Bed Input File Name: PRADU2Bed.ribd16x

Calculation Description: Title 24 Analysis

01	02	03	04	05	06
Dwelling Unit	IAQ CFM	IAQ Watts/CFM	IAQ Fan Type	IAQ Recovery Effectiveness(%)	HERS Verification
SFam IAQVentRpt	30	0.25	Default	0	Required

PROJECT NOTES Energy Pro uses Ashrae for HVAC sizing.



CA Building Energy Efficiency Standards - 2016 Residential Compliance Report Version - CF1R-11302018-1149

CERTIFICATE OF CO Project Name: PRAD **Calculation Descrip** 

OVERHANGS AND FIN 01 Windo SI Door Window PAQUE SURFACE

01 Construction Nar R-15 Wall

R-30 Roof Cathed SLAB FLOCRS 01 Name Slab-on-Grade

BUILDING ENVELOP Quality Insul WATER HEATING SY 01 Name

Registration Date/Time: HERS Provider: Registration Number: 218-P010322498A-000-000-0000000-0000 2018-12-05 15:43:25 CalCERTS inc. CA Building Energy Efficiency Standards - 2016 Residential Compliance Report Version - CF1R-11302018-1149 Report Generated at: 2018-12-05 14:01:43

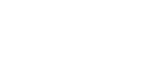
Project Name: PR

Design Path Stu Address: 364 Second St S City/State/Zip: Encinitas, CA 920

Registration Number: 218-P010322498A-000-000-0000000-0000 CA Building Energy Efficiency Standards - 2016 Residential Compliance Report Version - CF1R-11302018-1149

HERS Provider:

Registration Date/Time: 2018-12-05 15:43:25



CF1R-PRF-01

HERS Provider:

Report Generated at: 2018-12-05 14:01:43

Page 7 of 8

CalCERTS inc.

## PRADU 2 BED

t Name: PRADU 2 Bed	c	Calculation Date/Time: 14:01, We	Page						
ation Description: Title 24 Analysis	l	Input File Name: PRADU2Bed.ribd16x							
	ENERGY	USE SUMMARY							
Energy Use (kTDV/ft <sup>2</sup> -yr)	Standard Design	Proposed Design	Compliance Margin	Percent Improvement					
Space Heating	0.47	3.77	-3.30	-702.1%					
Space Cooling	8.37	3.28	5.09	60.8%					
IAQ Ventilation	1.94	1.94	0.00	0.0%					
Water Heating	18.57	18.57	0.00	0.0%					
PV Credit	2000 C	0.00	0.00						
North Facing Compliance Total	29.35	27.56	1.79	6.1%					
Space Heating	0.47	2.12	-1.65	-351.1%					
Space Cooling	8.37	3.73	4.64	55.4%					
IAQ Ventilation	1.94	1.94	0.00	0.0%					
Water Heating	18.57	18.57	0.00	0.0%					
PV Credit		0.00	0.00						
East Facing Compliance Total	29.35	26.36	2.99	10.2%					
Space Heating	0.47	1.92	-1.45	-308.5%					
Space Cooling	8.37	5.05	3.32	39.7%					
IAQ Ventilation	1.94	1.94	0.00	0.0%					
Water Heating	18.57	18.57	0.00	0.0%					
PV Credit	HERS	PROMIDE	R 0.00						
South Facing Compliance Total	29.35	27.48	1.87	6.4%					
Space Heating	0.47	3.42	-2.95	-627.7%					
Space Cooling	8.37	3.96	4.41	52.7%					
IAQ Ventilation	1.94	1.94	0.00	0.0%					
Water Heating	18.57	18.57	0.00	0.0%					
PV Credit		0.00	0.00						
West Facing Compliance Total	29.35	27.89	1.46	5.0%					

Registration Number: 218-P010322498A-000-000-0000000-0000

Registration Date/Time: 2018-12-05 15:43:25

HERS Provider: Report Generated at: 2018-12-05 14:01:43

ICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD CF1R-									R-PRF-01						
Name: PRADU 2 B	Bed				Calculatio	on Date/	Date/Time: 14:01, Wed, Dec 05, 2018 Page 5 of 8								
tion Description:	Title 24 Analysis				Input File	Name:	PRADU2Bed	ribd16x							
ANGS AND FINS															
01	02	03	04	05	06	07	08	09	10	11	12	13	14		
			Overhan	g			Left	Fin			Rig	nt Fin			
Window	Depth	Dist Up	Left Extent	Right Extent	Flap Ht.	Depth	Top Up	Dist L Bot Up		Depth	Top Up	Dist R	Bot Up		
SI Door #1	5.25	3.17	2	2	0	0	0	0	0	0	0	D	0		
Window #D	5.25	3.17	2	2	0	0	0	0	0	0	0	D	0		
E SURFACE CONSTR	RUCTIONS														
01	02	0	3		04		05	0	6	07					
nstruction Name	Surface Type				Framing		Total Cavity R-value	Winter U-fa		Assembly Layers					
istruction nume	uncuon Name Sunace type Construction type						I value			Inside Finish: Gypsum Board					
R-15 Wall	Exterior Walls	Wood Fra	med Wall	2x4	2x4 @ 16 in. O.C. R 15			0.0	Cavity			vity / Frame: R-15 / 2x4 erior Finish: 3 Coat Stucco			
0 Roof Cathedral	Cathedral Ceilings	Wood Fran	ned Ceiling	2x1	0 @ 24 in. O.C.	т	R 30 0.035		35	<ul> <li>Inside Finish: Gypsum Board</li> <li>Cavity / Frame: R-30 / 2x10</li> <li>Roof Deck: Wood Siding/sheathing/decki</li> <li>Roofing: Light Roof (Asphalt Shingle)</li> </ul>			g/decking ile)		
OCRS			-6		ER		), []	THE	-						
01		02	LU . E	DC				04			06		07		
Name		Zone		Are	a (ft <sup>2</sup> )	Perin	neter (ft)	Edge Insul	. R-value 8	Depth	Carpeted Fr	action	Heated		
Slab-on-Grade 2 Bed		2 Bed		1	745		109		None		0		No		
IG ENVELOPE - HER	S VERIFICATION			1	2										
01		- T		02				03				04			
Quality Insulation I	Installation (QII)	Quali	ty Installat	ion of Spray I	Foam Insulation	n	Building En	elope Air L	eakage	-	C	FM50			
Not Required		Not Required			No	Required				n/a					
HEATING SYSTEMS															
01		02			03		04		1	05		06			
Name	Sys	stem Type	-	Distrib	ution Type		Water He	ater	Numb	per of Heat	ers	Solar Fracti	on (%)		
DHW Sys 1		DHW		St	andard		DHW Heate	r 1 (1)		1		.0%			
				10000030000					-	10 Y					

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMA	
Project Name: PRADU 2 Bed	Calculation Date/Time: 14:01, Wed, Dec 05, 2018 Page 8 d
Calculation Description: Title 24 Analysis	Input File Name: PRADU2Bed.ribd16x
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accurate a	and complete.
Documentation Author Name:	Documentation Author Signature:
Diane Mendoza	Diane Mendoza
Company:	Signature Date:
D & R Calcs	2018-12-05 14:28:49
Address:	CEA/HERS Certification Identification (If applicable):
14107 Ipava Drive	n/a
City/State/Zip:	Phone:
Poway, CA 92064	858-486-9506
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
<ol> <li>I certify that the energy features and performance specifications Regulations.</li> <li>The building design features or system design features identified</li> </ol>	e of California: ode to accept responsibility for the building design identified on this Certificate of Compliance. identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of I on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, he enforcement agency for approval with this building permit application.
Responsible Designer Name:	Responsible Designer Signature:
Yvonne St Pierre	Yvonne St Pierre
Company:	ERS P Date Signed:
Design Path Studio	2018-12-05 15:43:25
Address:	License:
364 Second St Suite 2	C 34789
City/State/Zip:	Phone:
Encinitas, CA 92024	760-944-1443

Digitally signed by CalCERTS. This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.



Registration Number: 218-P010322498A-000-000-000000-0000 Registration Date/Time: 2018-12-05 15:43:25 CA Building Energy Efficiency Standards - 2016 Residential Compliance Report Version - CF1R-11302018-1149

CalCERTS inc.

### Calculation Description: Title 24 Analysis ENERGY DESIGN RATING Energy Design Rating (EDR) is an alternate way to express the energy Services (RESNET) reference home characterization of the services (RESNET) reference home characterization (RE the energy performance of a building that combines high levels o components not regulated by Title 24, Part 6 (such as domestic a jurisdictions pursuing local ordinances under Title 24, Part 11 (C/ As a Standard Design building under the 2016 Building Energy Ef is provided for Information. Similarly, the EDR score of the Propo energy can both be seen EDR of Standard Efficiency North 56.0 East 56.0 South 56.0 West 56.0 Design meets Tier 1 requirement of 15% or greater Design meets Tier 2 requirement of 30% or greater Design meets Zero Net Energy (ZNE) Design Design renewable energy generation sufficient to achieve Excess PV Generation EDR Credit: Bypassing PV size limit m REQUIRED SPECIAL FEATURES The following are features that must be installed as condition for met Window overhangs and/or fins Exposed slab floor in conditioned zone Non-standard duct location (any location other than attic) HERS FEATURE SUMMARY The following is a summary of the features that must be field-verified provided in the building components tables below. Building-level Verifications: • IAQ mechanical ventilation Cooling System Verifications: • -- None --HVAC Distribution System Verifications: • Duct Sealing • Ducts located entirely in conditioned space confirmed by duct Domestic Hot Water System Verifications: • -- None --

01	02	03	04	05		06			
Name	Heater Element Type	Tank Type	Number of Units	Tank Volume (gal)	Uniform Energy Factor / Energy Factor / Efficience			Ir	
DHW Heater 1	Gas	Small Instantaneous	1	0		0.82 EF		<	
SPACE CONDITION	ING SYSTEMS	6						-	
	01			02			03		
sc	Sys Name		Syste	m Type		Heatir	ng Uni	it	
Ne	w Furnace1		Other Heatin Sy	ng and Coo stem	ling	Heating	g Com	po	
HVAC - HEATING U					_			_	
	01		S			C	)2		
	Name		100		1.0	Syste	m Typ	e	
He	eating Compone	ent 1	1	C .	5	CntrlF	urnac	e	
HVAC - DISTRIBUT	ION SYSTEMS	5	10	50	71			Ī	
01		02		141	F 1	03 <	Þ	2	
Name		Тур	e		Duct Leakage				
Air Distribution Sy	ystem 1	Ducts	nAll	and tested					
HVAC DISTRIBUTIO	N - HERS VER	RIFICATION						_	
01			02		03			C	
Nam	e		_eakage fication		ct Lea arget (		Verit		
Air Distribution Sys	tem 1-hers-dist	t Red	paired		5.0		Re	eq	
HVAC - FAN SYSTE	EMS							_	
	01				(	02		_	
	Name		Туре						
H	IVAC Fan 1	Single Speed PSC Furnace Fan							

Registration Number: 218-P010322498A-000-000-000000-0000 CA Building Energy Efficiency Standards - 2016 Residential Compliance Report Version - CF1R-11302018-1149

HERS Provider: CalCERTS inc. Report Generated at: 2018-12-05 14:01:43

Project Nan										CF1R-PRF-01 Page 3 of 8				
Calculation	Description	n: Title 24	Analysis				Input File	lame: PRADI	J2Bed.nbd16x					
ENERGY DE	SIGN RATING	G												
Energy Servi the energy p components jurisdictions As a Standar	ices (RESNE erformance not regulate pursuing loo rd Design bu or Informatio	T) reference of a buildin d by Title cal ordinar ilding und on. Similar	ce home chara ng that combin 24, Part 6 (suc nces under Titl er the 2016 Bu	cterization es high lev h as domes e 24, Part 1 ilding Energi	of the 2006 els of energ tic applian 1 (CALGree gy Efficient	International I gy efficiency w ces and consu en). cy Standards is	Energy Conserv rith renewable g mer electronics s significantly m	ation Code (IEC eneration to"ze , it is not used ore efficient th	tern where 100 rep CC) with California for out" its TDV ene to show compliant an the baseline EDI lue of installed PV s	nodeling as rgy. Becaus e with Part R building, t	sumptions. A so the EDR includes 6 but may instea the EDR of the S	core of zo conside ad be use tandard	ero represents ration of ed by local Design building	
energy carr		10000	rd Efficiency		EDR o	of Proposed Ef	ficiency	EDR Va	ue of Proposed PV	+ Battery	Fina	Propos	ed EDR	
North		56.0	5			55.0			0.0			55.0		
East South		56.0	S	_		54.5 0.0 55.0 0.0				54.5 55.0				
West		56.0				55.2		-	0.0			55.2		
	Design mee	ets Tier 1 re	equirement of '	15% or grea	iter code co	ompliance mar	gin (CALGreen	4.203.1.2.1) a	nd QII verification p	rerequisite.	1			
					inage participations		•		nd QII verification p		ncluding on site	nhotow	oltaic (DV)	
									The PV System and			photow	ntaic (FY)	
Notes: • Excess PV	Generation	EDR Cred	it: Bypassing F	V size limi	t may viola	te Net Energy	Metering (NEM)	ules	Inc					
REQUIRED	SPECIAL FEA	ATURES	1	1		EDC	DD	OVI	DEP	•				
			e installed as co	ondition for a	neeting the	modeled energ	y performance fo	this computer	analysis.					
<ul> <li>Exposed s</li> </ul>	verhangs and lab floor in c lard duct loca	conditione	d zone location other	than attic)										
HERS FEATU	JRE SUMMA	RY												
The following provided in th				be field-veri	fied by a cer	tifed HERS Ra	ter as a condition	for meeting the	modeled energy pe	formance fo	r this computer a	nalysis. A	Additional detail is	
IAQ mecha Cooling Syst     None HVAC Distrit     Duct Seali     Ducts loca	Building-level Verifications:     IAQ mechanical ventilation Cooling System Verifications:     - None - HVAC Distribution System Verifications:     Duct Sealing     Ducts located entirely in conditioned space confirmed by duct leakage testing Domestic Hot Water System Verifications:													
CA Building E	nergy Efficier TE OF COM ne: PRADU	ncy Standar IPLIANCE 2 Bed		dential Com			n - CF1R-113020 ICE METHOD Calculatio	Date/Time:	15:43:25 14:01, Wed, Dec 0 J2Bed.ribd16x	Re	RS Provider: port Generated a	t: 2018-1	CalCERTS inc. 2-05 14:01:43 CF1R-PRF-01 Page 6 of 8	
WATER HEA	TERS													
01		02	03	04	05	06	07	04	3 09	10	11		12	
Name	El	leater ement Type	Tank Type	Number of Units	Tank Volume (gal)	Uniform En Factor / En Factor / Effic	ergy Therr	/ Insulational R-va	tion Loss / lue Recovery	First Ho Rating Flow Ra	/ Brand / M	lodel /	Tank Location or Ambient Condition	
DHW Heat	ter 1	Gas	Small Instantaneous	1	0	0.82 EF	<= 200 k	Btu/hr R-0/	<b>₹-0 0</b>	n/a	n/a		r/a	
SPACE CON		VSTEMS	Instantariosus	1									·	
SPACE CON	01				02		03		04	1	05		06	
	SC Sys	Name		Syste	em Type	Hea	ting Unit Name	Cooli	ng Unit Name	Fan	Name	Distr	ibution Name	
	New Furr	nace1		Other Heati Sy	ng and Coo /stem	ling Heati	ng Component 1	Cooling	Component 1	HVA	C Fan 1	Air Dist	ribution System 1	
HVAC - HEAT		YPES	- //	_										
		01		-			02		03			04		
		Name		-	-	-	tem Type		Number of U	nits		iciency		
		Componen	nt i	-	$( \Rightarrow$	Cht	Furnace		Inc		00	AFUE		
HVAC - DIST	01	SYSTEMS	02	4	1	03	b b	04	0.050		06		07	
	Name		Туре		-	Duct Leakage	Insulat	on R-value	Duct Location	В	ypass Duct	HER	S Verification	
Air Distrib	ution System	1	Ductsh	NAI	s	ealed and teste	d	6	Conditioned zon	9	None		tribution System 1-hers-dist	
HVAC DISTR		ERS VERI	1				1010							
Duct Leakage Duct Le		03 ct Leakage arget (%)				ed	07 Deeply Buried Ducts		08 Low-leakage Air Handler					

5.0 Required Not Required Not Required n/a

03

Fan Power (Watts/CFM)

0.58

Registration Date/Time: 2018-12-05 15:43:25 HERS Provider: CalCERTS inc. Report Generated at: 2018-12-05 14:01:43

04

**HERS Verification** n/a

0 - $\square$ C σ . S S C 0 Т 0 5  $\triangleleft$ D -0 U 0 -Ζ • -----5 U 5 2 σ -S 

S 0 U 0 S T A 0 Z 0 0 -S ш 

BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THE CITY OF ENCINITAS. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO

COPYRIGHT PROTECTION. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

project

PRADU City Of Enicintas

description

# Energy Calculations 2 Bedrooms

sheet no. 🗖	Γ24.΄
drawn by	уѕр
project no.	2018 PRADU
date	March 27 2019



O.

•

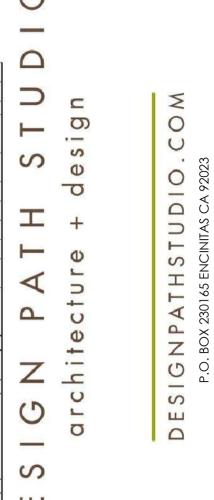
## 2016 Low-Rise Residential Mandatory Measures Summary

Building Envelop		
§ 110.6(a)1:	Air Leakage. Manufactured fenestration, exterior doors, and exterior pet doors must limit air leakage to 0.3 cfm/ft <sup>2</sup> or less when tested per NFRC-400 or ASTM E283 or AAMA/WDMA/CSA 101/I.S.2/A440-2011.*	
§ 110.6(a)5:	Labeling. Fenestration products must have a label meeting the requirements of § 10-111(a).	
§ 110.6(b):	Field fabricated exterior doors and fenestration products must use U-factors and solar heat gain coefficient (SHGC) values from TABLE 110.6-A and 110.6-B for compliance and must be caulked and/or weatherstripped.*	
§ 110.7:	Air Leakage. All joints, penetrations, and other openings in the building envelope that are potential sources of air leakage must be caulked, gasketed, or weather stripped.	
§ 110.8(a):	Insulation Certification by Manufacturers. Insulation specified or installed must meet Standards for Insulating Material.	
§ 110.8(g):	Insulation Requirements for Heated Slab Floors. Heated slab floors must be insulated per the requirements of § 110.8(g).	
§ 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) when the installation of a cool roof is specified on the CF1R.	
§ 110.8(j):	Radiant Barrier. A radiant barrier must have an emittance of 0.05 or less and be certified to the Department of Consumer Affairs.	
§ 150.0(a):	Ceiling and Rafter Roof Insulation. Minimum R-22 insulation in wood-frame ceiling; or the weighted average U-factor must not exceed 0.043. Minimum R-19 or weighted average U-factor of 0.054 or less in a rafter roof alteration. 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 continuous roof or ceiling which is sealed to limit infiltration and exfiltration 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."	
§ 150.0(b):	Loose-fill Insulation. Loose fill insulation must meet the manufacturer's required density for the labeled R-value.	
§ 150.0(c):	Wall Insulation. Minimum R-13 insulation in 2x4 inch wood framing wall or have a U-factor of 0.102 or less (R-19 in 2x6 or U-factor of 0.074 or less). Opaque non-framed assemblies must have an overall assembly U-factor not exceeding 0.102, equivalent to an installed value of R-13 in wood framed assembly.	
§ 150.0(d):	Raised-floor Insulation. Minimum R-19 insulation in raised wood framed floor or 0.037 maximum U-factor.*	
§ 150.0(f):	Slab Edge Insulation. Slab edge insulation must meet all of the following: have a water absorption rate, for the insulation material alone withou facings, no greater than 0.3%; have a water vapor permeance no greater than 2.0 perm/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).	
§ 150.0(g)1:	Vapor Retarder. In Climate Zones 1-16, the earth floor of unvented crawl space must be covered with a Class I or Class II vapor retarder. This requirement also applies to controlled ventilation crawl space for buildings complying with the exception to § 150.0(d).	
§ 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(q):	Fenestration Products. Fenestration, including skylights, separating conditioned space from unconditioned space or outdoors must have a maximum U-factor of 0.58; or the weighted average U-factor of all fenestration must not exceed 0.58."	
Fireplaces, Deco	rative Gas Appliances, and Gas Log Measures:	
§ 150.0(e)1A:	Closable Doors. Masonry or factory-built fireplaces must have a closable metal or glass door covering the entire opening of the firebox.	
§ 150.0(e)1B:	Combustion Intake. Masonry or factory-built fireplaces must have a combustion outside air intake, which is at least six square inches in area and is equipped with a readily accessible, operable, and tight-fitting damper or combustion-air control device.*	
§ 150.0(e)1C:	Flue Damper. Masonry or factory-built fireplaces must have a flue damper with a readily accessible control."	
§ 150.0(e)2	Pilot Light. Continuous burning pilot lights and the use of indoor air for cooling a firebox jacket, when that indoor air is vented to the outside of the building, are prohibited.	
Space Conditioni	ing, Water Heating, and Plumbing System Measures:	
§ 110.0-§ 110.3:	Certification. Heating, ventilation and air conditioning (HVAC) equipment, water heaters, showerheads, faucets, and all other regulated appliances must be certified by the manufacturer to the Energy Commission."	
§ 110.2(a):	HVAC Efficiency. Equipment must meet the applicable efficiency requirements in TABLE 110.2-A through TABLE 110.2-K.	
§ 110.2(b):	Controls for Heat Pumps with Supplementary Electric Resistance Heaters. Heat pumps with supplementary electric resistance heaters must have controls that prevent supplementary heater operation when the heating load can be met by the heat pump alone; and in which the cut-on temperature for compression 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.	
§ 110.2(c):	compression nearing is nigher than the cut-on temperature for supplementary nearing. Thermostats. All unitary heating or cooling systems not controlled by a central energy management control system (EMCS) must have a setback thermostat.	
§ 110.3(c)5	Water Heating Recirculation Loops Serving Multiple Dwelling Units. Water heating recirculation loops serving multiple dwelling units must meet the air release valve, backflow prevention, pump priming, pump isolation valve, and recirculation loop connection requirements of § 110.3(c)5.	
§ 110.3(c)7:	Isolation Valves. Instantaneous water heaters with an input rating greater than 6.8 kBTU/hr (2 kW) must have isolation valves with hose bibbs or other fittings on both cold water and hot water lines of water heating systems to allow for water tank flushing when the valves are closed.	
§ 110.5:	Pilot Lights. Continuously burning pilot lights are prohibited for natural gas: fan-type central furnaces; household cooking appliances (appli- ances without an electrical supply voltage connection with pilot lights that consume less than 150 Btu/hr are exempt); and pool and spa heaters	
§ 150.0(h)1:	Building Cooling and Heating Loads. Heating and/or cooling loads are calculated in accordance with ASHRAE Handbook, Equipment Volume, Applications Volume, and Fundamentals Volume, SMACNA Residential Comfort System Installation Standards Manual; or ACCA Manual J using design conditions specified in § 150.0(h)2.	

	2016 Low-Rise Residential Mandatory Measures Summary	
§ 150.0(h)3A:	Clearances. Installed air conditioner and heat pump outdoor condensing units must have a clearance of at least 5 feet from the outlet of any dryer vent.	
§ 150.0(h)3B:	Liquid Line Drier. Installed air conditioner and heat pump systems must be equipped with liquid line filter driers if required, as specified by manufacturer's instructions.	
§ 150.0(j)1:	Storage Tank Insulation. Unfired hot water tanks, such as storage tanks and backup storage tanks for solar water-heating systems, n R-12 external insulation or R-16 internal insulation where the internal insulation R-value is indicated on the exterior of the tank.	
§ 150.0(j)2A:	Water piping and cooling system line insulation. For domestic hot water system piping, whether buried or unburied, all of the following must be insulated according to the requirements of TABLE 120.3-A: the first 5 feet of hot and cold water pipes from the storage tank; all piping with a nominal diameter of 3/4 inch or larger, all piping associated with a domestic hot water recirculation system regardless of the pipe diameter; piping from the heating source to storage tank or between tanks; piping buried below grade; and all hot water pipes from the heating source to kitchen fixtures."	
§ 150.0(j)2B:	Water piping and cooling system line insulation. All domestic hot water pipes that are buried below grade must be installed in a water proof and non-crushable casing or sleeve.*	
§ 150.0(j)2C:	Water piping and cooling system line insulation. Pipe for cooling system lines must be insulated as specified in § 150.0(j)2A. Distribution piping for steam and hydronic heating systems or hot water systems must meet the requirements in TABLE 120.3-A.*	
§ 150.0(j)3:	Insulation Protection. Insulation must be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind.	
§ 150.0(j)3A:	Insulation Protection. Insulation exposed to weather must be installed with a cover suitable for outdoor service. For example, protected by aluminum, sheet metal, painted canvas, or plastic cover. The cover must be water retardant and provide shielding from solar radiation that can cause degradation of the material.	
§ 150.0(j)3B:	Insulation Protection. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space must have a Class I or Class II vapor retarder.	
§ 150.0(n)1:	Gas or Propane Systems. Systems using gas or propane water heaters to serve individual dwelling units must include all of the following: a 120V electrical receptacle within 3 feet of the water heater; a Category III or IV vent, or a Type B vent with straight pipe between the outside termination and the space where the water heater is installed; a condensate drain that is no more than 2 inches higher than the base of the water heater, and allows natural draining without pump assistance; and a gas supply line with a capacity of at least 200,000 Btu/hr.	
§ 150.0(n)2:	Recirculating Loops. Recirculating loops serving multiple dwelling units must meet the requirements of § 110.3(c)5.	
§ 150.0(n)3:	Solar Water-heating Systems. Solar water-heating systems and collectors must be certified and rated by the Solar Rating and Certification Corporation (SRCC) or by a listing agency that is approved by the Executive Director.	
Ducts and Fans	Measures;	
§ 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 a contractor installs the insulation, the contractor must certify to the customer, in writing, that the insulation meets this requirement.	
§ 150.0(m)1:	CMC Compliance. All air-distribution system ducts and plenums must be installed, sealed, and insulated to meet the requirements of CMC §§ 601.0, 602.0, 603.0, 604.0, 605.0 and ANSI/SMACNA-006-2006 HVAC Duct Construction Standards Metal and Flexible 3rd Edition. Portions of supply-air and return-air ducts and plenums must be insulated to a minimum installed level of R-6.0 (or higher if required by CMC § 605.0) or a minimum installed level of R-4.2 when entirely in conditioned space as confirmed through field venification and diagnostic testing (RA3.1.4.3.8). 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 requirements of UL 181, UL 181A, or UL 181B or aerosol sealant that meets the requirements of UL 723. If mastic or tape is used to seal openings greater than ½ inch, the combination of mastic and either mesh or tape must be used. Building cavities, support platforms for air handlers, and plenums designed or constructed with materials other than sealed sheet metal, duct board or flexible duct must not be used for conveying conditioned air. Building cavities and support platforms must not be compressed to cause reductions in the cross-sectional area of the ducts."	
§ 150.0(m)2:	Factory-Fabricated Duct Systems. Factory-fabricated duct systems must comply with applicable requirements for duct construction, connections, and closures; joints and seams of duct 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(m)3:	Field-Fabricated Duct Systems. Field-fabricated duct systems must comply with applicable requirements for: pressure-sensitive tapes, mastics, sealants, and other requirements specified for duct construction.	
§ 150.0(m)7:	Backdraft Dampers. All fan systems that exchange air between the corditioned space and the outside of the building must have backdraft or automatic dampers.	
§ 150.0(m)8:	Gravity Ventilation Dampers. Gravity ventilating systems serving conditioned space must have either automatic or readily accessible, manually operated campers in all openings to the outside, except combustion inlet and outlet air openings and elevator shaft vents.	
i 150.0(m)9:	Protection of Insulation. Insulation must be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather must be suitable for outdoor service. For example, protected by aluminum, sheet metal, painted canvas, or plastic cover. Cellular foam insulation must be protected as above or painted with a coating that is water relardant and provides shielding from solar radiation.	
§ 150.0(m)10:	Porous Inner Core Flex Duct. Porous inner core flex duct must have a non-porous layer between the inner core and outer vapor barrier.	
§ 150.0(m)11:	Duct System Sealing and Leakage Test. When space conditioning systems use forced air duct systems to supply conditioned air to an occupiable space, the ducts must be sealed and duct leakage tested, as confirmed through field verification and diagnostic testing, in accordance with § 150.0(m)11and Reference Residential Appendix RA3.	
§ 150.0(m)12:	Air Filtration. Mechanical systems that supply air to an occupiable space through ductwork exceeding 10 feet in length and through a thermal conditioning component, except evaporative coolers, must be provided with air filter devices that meet the design, installation, efficiency, pressure drop, and labeling requirements of § 150.0(m)12.	

-	2016 Low-Rise Residential Mandatory Measures Summary		
§ 150.0(m)13:	Duct System Sizing and Air Filter Grille Sizing. Space conditioning systems that use forced air ducts to supply cooling to an occupiable space must have a hole for the placement of a static pressure probe (HSPP), or a permanently installed static pressure probe (PSPP) in the supply plenum. The space conditioning system must also demonstrate airflow > 350 CFM per ton of nominal cooling capacity through the return grilles, and an air-handling unit than efficacy ≤ 0.58 W/CFM as confirmed by field verification and diagnostic testing, in accordance with the state of the s		
	Reference Residential Appendix RA3.3. This applies to both single zone central forced air systems and every zone for zonally controlled centra forced air systems.*		
§150.0(o):	Ventilation for Indoor Air Quality. All dwelling units must meet the requirements of ASHRAE Standard 62.2. Neither window operation nor continuous operation of central forced air system air handlers used in central fan integrated ventilation systems are permissible methods of providing whole-building ventilation.		
§ 150.0(o)1A: Field Verification and Diagnostic Testing. Whole-building ventilation airflow must be confirmed through field verification testing, in accordance with Reference Residential Appendix RA3.7.			
Pool and Spa S	stems and Equipment Measures:		
§ 110.4(a):	Certification by Manufacturers. Any pool or spa heating system or equipment must be certified to have all of the following: a thermal efficien that complies with the Appliance Efficiency Regulations; 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.		
§ 110.4(b)1:	Piping. Any pool or spa heating 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.		
§ 110.4(b)2:	Covers. Outdoor pools or spas that have a heat pump or gas heater must have a cover.		
§ 110.4(b)3:	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.		
§ 110.5:	Pilot Light. Natural gas pool and spa heaters must not have a continuously burning pilot light.		
§ 150.0(p):	Pool Systems and Equipment Installation. Residential pool systems or equipment must meet the specified requirements for pump sizing, flor rate, piping, filters, and valves."		
Lighting Measu			
§ 110.9:	Lighting Controls and Components. All lighting control devices and systems, ballasts, and luminaires must meet the applicable requirement of § 110.9.*		
§ 110.9(e):	JA8 High Efficacy Light Sources. To qualify as a JA8 high efficacy light source for compliance with § 150.0(k), a residential light source mus be certified to the Energy Commission according to Reference Joint Appendix JA8.		
§ 150.0(k)1A:	Luminaire Efficacy. All installed luminaires must be high efficacy in accordance with TABLE 150.0-A.		
§ 150.0(k)1B:	Blank Electrical Boxes. The number of electrical boxes that are more than 5 feet above the finished floor and do not contain a luminaire or other device must be no greater than the number of bedrooms. These electrical boxes must be served by a dimmer, vacancy sensor control, fan speed control.		
§ 150.0(k)1C:	Recessed Downlight Luminaires in Ceilings. Luminaires recessed into ceilings must meet all of the requirements for: insulation contact (IC) labeling; air leakage; sealing; maintenance; and socket and light source as described in § 150.0(k)1C. A JA8-2016-E light source rated for elevated temperature must be installed by final inspection in all recessed downlight luminaires in ceilings.		
§ 150.0(k)1D:	Electronic Ballasts. Ballasts for fluorescent lamps rated 13 watts or greater must be electronic and must have an output frequency no less th 20 kHz.		
§ 150.0(k)1E:	Night Lights. Permanently installed night lights and night lights integral to installed luminaires or exhaust fans must be rated to consume no more than 5 watts of power per luminaire or exhaust fan as determined in accordance with § 130.0(c). Night lights do not need to be controlled by vacancy sensors.		
§ 150.0(k)1F:	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).		
§ 150.0(k)1G:	Screw based luminaires. Screw based luminaires must not be recessed downlight luminaires in ceilings and must contain lamps that comply with Reference Joint Appendix JA8. Installed lamps must be marked with "JA8-2016" or "JA8-2016-E" as specified in Reference Joint Appendiz JA8."		
§ 150.0(k)1H:	Enclosed Luminaires. Light sources installed in enclosed luminaires must be JA8 compliant and must be marked with "JA8-2016-E."		
§ 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 switched separately from lighting systems."		
§ 150.0(k)2C:	Interior Switches and Controls. Luminaires must be switched with readily accessible controls that permit the luminaires to be manually switched ON and OFF.		
§ 150.0(k)2D:	Interior Switches and Controls. Controls and equipment must be installed in accordance with manufacturer's instructions.		
§ 150.0(k)2E:	Interior Switches and Controls. No control must bypass a dimmer or vacancy sensor function if the control is installed to comply with § 150.0(k).		
§ 150.0(k)2F:	Interior Switches and Controls. Lighting controls must comply with the applicable requirements of § 110.9.		
§ 150.0(k)2G:	Interior Switches and Controls. An energy management control system (EMCS) may be used to comply with dimmer requirements if it: functions as a dimmer according to § 110.9; meets the Installation Certificate requirements of § 130.4; meets the EMCS requirements of § 130.5(f); and meets all other requirements in § 150.0(k)2.		
§ 150.0(k)2H:	Interior Switches and Controls. An EMCS may be used to comply with vacancy sensor requirements in § 150.0(k) if it meets all of the following: it functions as a vacancy sensor according to § 110.9; the Installation Certificate requirements of § 130.4; the EMCS requirements of 130.5(f); and all other requirements in § 150.0(k)2.		
§ 150.0(k)2I:	Interior Switches and Controls. A multiscene programmable controller may be used to comply with dimmer requirements in § 150.0(k) if it provides the functionality of a dimmer according to § 110.9, and complies with all other applicable requirements in § 150.0(k)2.		

	2016 Low Dies Desidential Mandatam Massuma Summany	
and the second second	2016 Low-Rise Residential Mandatory Measures Summary	
§ 150.0(k)2J:	Interior Switches and Controls. In bathrooms, garages, laundry rooms, and utility rooms, at least one luminaire in each of these spaces must be controlled by a vacancy sensor.	
§ 150.0(k)2K:	Interior Switches and Controls. Dimmers or vacancy sensors must control al luminaires required to have light sources compliant with Reference Joint Appendix JA8, except luminaires in closets less than 70 square feet and luminaires in hallways."	
§ 150.0(k)2L:	Interior Switches and Controls. Undercabinet lighting must be switched separately from other lighting systems.	
§ 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 meet the requirement in item § 150.0(k)3Ai (ON and OFF switch) and the requirements in either item § 150.0(k)3Aii (photocell and motion sensor) or item § 150.0(k)3Aii (photo control and automatic time switch control, astronomical time clock, or EMCS).	
§ 150.0(k)3B:	Residential Outdoor Lighting. For low-rise multifamily residential buildings, cutdoor lighting for private patios, entrances, balconies, and porches; and outdoor lighting for residential parking lots and residential carports with less than eight vehicles per site must comply with either § 150.0(k)3A or with the applicable requirements in §§ 110.9, 130.0, 130.2, 130.4, 140.7 and 141.0.	
§ 150.0(k)3C:	Residential Outdoor Lighting. For low-rise residential buildings with four or more dwelling units, outdoor lighting not regulated by § 150.0(k)3B or § 150.0(k)3D must comply with the applicable requirements in §§ 110.9, 130.0, 130.2, 130.4, 140.7 and 141.0.	
§ 150.0(k)3D:	Residential Outdoor Lighting. Outdoor lighting for residential parking lots and residential carports with a total of eight or more vehicles per site must comply with the applicable requirements in §§ 110.9, 130.0, 130.2, 130.4, 140.7, and 141.0.	
§ 150.0(k)4:	Internally illuminated address signs. Internally illuminated address signs must comply with § 140.8; or must consume no more than 5 watts of power as determined according to § 130.0(c).	
§ 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.	
§ 150.0(k)6A:	Interior Common Areas of Low-rise Multi-Family Residential Buildings. In a low-rise multifamily residential building where the total interior common area in a single building equals 20 percent or less of the floor area, permanently installed lighting for the interior common areas in that building must be high efficacy luminaires and controlled by an occupant senso.	
§ 150.0(k)6B:	Interior Common Areas of Low-rise Multi-Family Residential Buildings. In a low-rise multifamily residential building where the total interior common area in a single building equals more than 20 percent of the floor area, permanently installed lighting in that building must: i. Comply with the applicable requirements in §§ 110.9, 130.0, 130.1, 140.6 and 141.0; and interior that reduce the lighting power in each space by at least 50 percent. The occupant sensors must be capable of turning the light fully on and off from all dasigned paths of ngress and egress.	
Solar Ready Bui		
§ 110.10(a)1:	Single Family Residences. Single family residences located in subdivisions with ten or more single family residences and where the application for a tentative subdivision map for the residences has been deemed complete by the enforcement agency must comply with the requirements of § 110.10(b) through § 110.10(e).	
§ 110.10(a)2:	Low-rise Multi-family Buildings. Low-rise multi-family buildings must comply with the requirements of § 110.10(b) through § 110.10(d).	
§ 110.10(b)1:	Minimum 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 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 low-rise multi-family buildings 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. For low-rise multi-family buildings the solar zone must be located in the roof or overhang of the building, or on the roof or overhang of another structure located within 250 feet of the building, or on covered parking installed with the building project, and have a total area no less than 16 second of the total roof area of the building excluding any skylight area."	
§ 110.10(b)2:	Orientation. All sections of the solar zone located on steep-sloped roofs must be oriented between 110 degrees and 270 degrees of true north.	
§ 110.10(b)3A:	Shading. The solar zone must not contain any obstructions, including but not limited to: vents, drimneys, architectural features, and roof mounted equipment.*	
§ 110.10(b)3В:	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 distance, measured in the horizontal plane, 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.'	
Carlos Concentration /	Structural Design Loads on Construction Documents. For areas of the roo' designated as solar zone, the structural design loads for roof dead load and roof live load must be clearly indicated on the construction documents.	
§ 110.10(b)4:	Interconnection Pathways. The construction documents must indicate: a location for inverters and metering equipment and a pathway for routing of conduit from the solar zone to the point of interconnection with the electrical service (for single family residences the point of	
§ 110.10(b)4: § 110.10(c):		
	routing of conduit from the solar zone to the point of interconnection with the electrical service (for single family residences the point of	
§ 110.10(c):	routing of conduit from the solar zone to the point of interconnection with the electrical service (for single family residences the point of interconnection will be the main service panel); and a pathway for routing of plumbing from the solar zone to the water-heating system. Documentation. A copy of the construction documents or a comparable document indicating the information from § 110.10(b) through	



BY USING THESE PERMIT READY CONSTRUCTION DOCUMENTS, THE RECIPIENT IS ACKNOWLEDGING ACCEPTANCE OF THE FOLLOWING CONDITIONS. 1. THE USE OF THIS INFORMATION IS RESTRICTED TO THE ORIGINAL PROJECT FOR WHICH IT WAS PREPARED FOR THE PRADU PROGRAM FOR THE CITY OF ENCINITAS. THIS DOES NOT ELIMINATE OR REDUCE THE RECIPIENT'S RESPONSIBILITY TO VERIFY ANY AND ALL INFORMATION RELEVANT TO THE RECIPIENT'S WORK AND RESPONSIBILITY ON THIS PROJECT. DESIGN PATH STUDIO SHALL NOT BE RESPONSIBLE FOR TRANSLATION ERRORS. 2. THE RECIPIENT RECOGNIZES AND ACKNOWLEDGES THAT THE USE OF THIS INFORMATION WILL BE AT THEIR SOLE RISK AND WITHOUT ANY LIABILITY OR LEGAL EXPOSURE TO DESIGN PATH STUDIO. NO WARRANTIES OF ANY NATURE, WHETHER EXPRESS OR IMPLIED, SHALL ATTACH TO THESE DOCUMENTS AND THE INFORMATION CONTAINED THEREON. ANY USE, REUSE, OR ALTERATION OF THESE DOCUMENTS BY THE RECIPIENT OR BY OTHERS WILL BE AT THE RECIPIENT'S RISK AND FULL LEGAL RESPONSIBILITY. FURTHERMORE, THE RECIPIENT WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD DESIGN PATH STUDIO HARMLESS FROM ANY AND ALL CLAIMS, SUITS, LIABILITY, DEMANDS, JUDGMENTS, OR COSTS ARISING OUT OF OR RESULTING THERE FROM ON ACCOUNT OF ANY INJURY, DEATH, DAMAGE OR LOSS TO PERSONS OR PROPERTY. 3. THE DESIGNS REPRESENTED BY THESE PLANS

ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION. IF THE RECIPIENT DOES NOT AGREE WITH THE ABOVE CONDITIONS, DO NOT PROCEED BEYOND THIS DISCLAIMER.

project

PRADU City Of Enicintas

description

# Energy Calculations 2 Bedrooms

sheet no. 🗖	T24.2
drawn by	ysp
project no.	2018 PRADU
date	March 27 2019