BARNETT ADDITION

SITE PLAN **SCHEDULES** A-2 **SOUTH AND EAST ELEVATIONS** A-3 **NORTH AND WEST ELEVATIONS** A-4 **1ST FLOOR PLAN** A-5 A-6 2ND FLOOR PLAN MAIN UNIT FOUNDATION PLAN **A-7** MAIN UNIT BRACE WALL PLAN **A-8 A-9** 2ND FLOOR BRACED WALL PLAN FIRST FLOOR FRAMING PLAN A-10 2ND FLOOR FRAMING PLAN A-11 CROSS SECTION 1, DETAIL 1 AND 2 **CROSS SECTION 2, ROOF GRAPHIC** A-13

CROSS SECTION 3 A-14 **2 CAR GARAGE PLAN** A-15 **GARAGE FOUNDATION AND ROOF** A-16 **FRAMING DETAILS** A-17 E-1 MAIN UNIT ELECTRICAL PLAN

2ND FLOOR ELECTRICAL PLAN

66.71' 20' MIN SETBACK

GARAGE ELECTRICAL PLAN E-3 PERF CALC REF T-24-1 TITLE 24 PAGE 1-2 T24-1 T24-2 TITLE 24 PAGE 3-4 TITLE 24 PAGE 5-6 T24-3 TITLE 24 PAGES 7-8 T-24-2 TITLE 24 PAGES 9

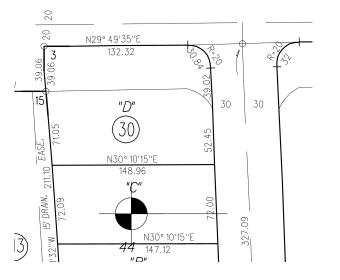
E-2

SITE PLAN

1 IN = 20 FT

SCALE:

AP MAP FOR REFERENCE



166'-4 1/4"

166'-4 1/4"

6

SITE PLAN NOTES:

CALLOUT SYMBOL:



PROPERTY LINES SHOWN ARE BASED ON ASSESSORS RECORD AND FENCE-LINE OBSERVATION, NO LAND SURVEY IS MADE OR REPRESENTED HEREIN

- 1- PROPOSED NEW 2 CAR GARAGE
- 2- EXISTING 2 CAR GARAGE 345 SQ. FT.
- 3- EXISTING 2 STORY HOME
- 4- NEW 2 STORY ADDITION; 667 SQ. FT. COVERAGE/2ND STORY

EDGE OF PAVEMENT

NEAR

STRIPE

6

'2'-3 1/4"

38.75' 20' MIN SB

20' SETBAC

(5)

- 5- EXISTING DRIVEWAY
- 6- TREE
- 7- NEW DRIVEWAY

SUMMARY OF WORK

THE SCOPE OF THIS APPLICATION IS LIMITED TO THE CONSTRUCTION OF A NEW 2-STORY ADDITION AND 2-CAR GARAGE

ALL PROPOSED WORK TO CONFORM WITH CURRENT APPLICABLE CODES AND BUILDING STANDARDS.

CAL-GREEN MANDATORY MEASURES NOT A REQUIREMENT FOR THIS PROJECT

PROJECT DATA:

110.410.029.000 APN: SITE ADDRESS: 2470 RANCHITO DR. SITE CITY STATE ZIP: CONCORD CA

ZONING RS 7.5 VB **CONSTRUCTION TYPE**

THE EXISTING PROPERTY IS NOT EQUIPPED WITH FIRE SPRINKI FRS

AREA SUMMARY:

LOT SQ FT: 10656

BUILDING SQ. FT. 1638 PRIMARY + 667

SECONDARY

NEW GARAGE SQ. FT. 515 2820 TOTAL W/NEW COVERAGE 26% LOT COVERAGE 667 **ADDITION AREA** HEIGHT: 22.3' YEAR BUILT: 1969

BATHROOMS: 2(E)+2-1/2(N)

NUMBER OF STORIES: 2 **EXISTING FRONT SETBACK** ~38'

CODES APPLICABLE:

ALL CONSTRUCTION TO COMPLY WITH LOCAL CODES AND ORDINANCES AND THE FOLLOWING: 2016 CALIFORNIA GREEN BUILDING STANDARD CODE

2016 CALIFORNIA MECHANICAL CODE (CMC) 2016 CALIFORNIA PLUMBING CODE (CPC) 2016 CALIFORNIA ELECTRICAL CODE (CEC), BASED ON THE 2014 NEC

2016 CALIFORNIA ENERGY CODE (CEC PART 6) 2016 CALIFORNIA FIRE CODE (CFC)

2016 CALIFORNIA BUILDING CODE

NOTE:

PAVEMENT

OF

CENTER

2

MANCHITO

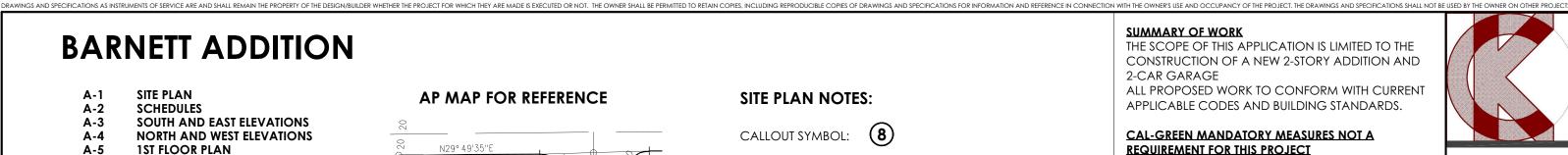
SPECIAL INSPECTIONS NOT REQUIRED FOR THIS SCOPE OF WORK

DEFERRED APPROVALS:

ALL CONSTRUCTION TO COMPLY WITH LOCAL **CODES AND ORDINANCES**



COUNTY INFO



2950

CALLOUT:

REVISION

A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

9/27/2018

SITE PLAN

THE OWNER SHALL HAVE THE RIGHTS TO A ONE TIME LISE OF ANY DRAWING SPECIFICATION. AND/OR PLAN DEVELOPED BY THE DESIGN/BUILDER. WHETHER OR NOT THE CONSTRUCTION WORK IS PERFORMED BY THE DESIGN/BUILDER. THE OWNER AGREES TO HOLD THE DESIGN/BUILDER HARMIESS FOR ANY LIABILITY FOR DESIGN FRORS OR OMISSIONS SHOULD THE DESIGN AND/OR BUILDING OF THE PROJECT NOT BE COMPLETED BY CERTIFIED BY CERTIFIED BY CERTIFIED BY CONSTRUCTION WORK IS PERFORMED BY THE DESIGN/BUILDER. THE OWNER AGREES TO HOLD THE DESIGN/BUILDER HARMIESS FOR ANY LIABILITY FOR DESIGN FRORS OR OMISSIONS SHOULD THE DESIGN AND/OR BUILDING OF THE PROJECT NOT BE COMPLETED BY CERTIFIED BY CERTIFIED BY CONSTRUCTION WORK IS PERFORMED BY THE DESIGN/BUILDER HARMIESS FOR ANY LIABILITY FOR DESIGN FRORS OR OMISSIONS SHOULD THE DESIGN AND/OR BUILDING OF THE PROJECT NOT BE COMPLETED BY CERTIFIED BY CERTIFIED BY CONSTRUCTION WORK IS PERFORMED BY THE DESIGN FRORS OR OMISSIONS SHOULD THE DESIGN FROM BY THE DESIGN FROM BY

(2)

NATURAL DRNG.

TO DAPLIGHT

WINDOW

SCHEDULE SYMBOL: #

NUMBER	QTY	FLOOR	SIZE	DESCRIPTION	R/O	FRAME TYPE	ORIENTATION	AREA	EGRESS	TEMPERED	U-FACTOR	SHGC	COMMENTS
01	1	2	2030LS	LEFT SLIDING	24"X36"	VINYL FRAME	SOUTH	6.0			0.35	0.25	
02	1	1	3030CU	GARDEN	36"X36"	VINYL FRAME	NORTH	9.0			0.35	0.25	
03	1	1	3040LS	LEFT SLIDING	36"X48"	VINYL FRAME	WEST	12.0		YES	0.35	0.25	
04	1	2	3040LS	LEFT SLIDING	36"X48"	VINYL FRAME	NORTH	12.0			0.35	0.25	
05	1	2	3040LS	LEFT SLIDING	36"X48"	VINYL FRAME	WEST	12.0		YES	0.35	0.25	
06	1	1	4040LS	LEFT SLIDING	48"X48"	VINYL FRAME	EAST	16.0			0.35	0.25	
07	2	2	4040LS	LEFT SLIDING	48"X48"	VINYL FRAME	NORTH	16.0			0.35	0.25	
08	1	2	5040LS	LEFT SLIDING	60"X48"	VINYL FRAME	SOUTH	20.0			0.35	0.25	
09	1	1	6030LS	LEFT SLIDING	72"X36"	VINYL FRAME	NORTH	18.0			0.35	0.25	
10	1	1	4040LS	LEFT SLIDING	48"X48"	VINYL FRAME	NORTH	16.0			0.35	0.25	
11	2	2	3040LS	LEFT SLIDING	36"X48"	VINYL FRAME	WEST	12.0			0.35	0.25	
12	2	2	4016LS	LEFT SLIDING	48"X18"	VINYL FRAME	SOUTH	6.0		YES	0.35	0.25	
13	3	1	4030LS	LEFT SLIDING	48"X36"	VINYL FRAME		12.0			0.35	0.25	
14	3	1	3040SH	SINGLE HUNG	36"X48"	VINYL FRAME		12.0			0.35	0.25	
15	1	1	2016LS	LEFT SLIDING	24"X18"	VINYL FRAME		3.0			0.35	0.25	
TOTALS:								264.0					

DOOR

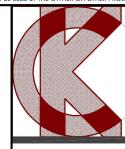
SCHEDULE SYMBOL: D#

NUMBER	QTY	FLOOR	SIZE	DESCRIPTION	R/O	AREA	TEMPERED	U-FACTOR	SHGC	THICKNESS	COMMENTS
D01	2	1	3068 R EX	EXT. HINGED-DOOR E25	38"X83"	20.0		0.3	0.3	1 3/4"	
D02	1	1	2668 L EX	EXT. HINGED-DOOR E25	32"X83"	16.67		0.3	0.3	1 3/8"	
D03	1	1	16070	GARAGE-SLAB	194"X87"	112.0		0.3	0.3	1 3/4"	
D04	1	1	2668 R IN	HINGED-SLAB	32"X82 1/2"	16.67		0.3	0.3	1 3/8"	
D05	4	2	2668 L IN	HINGED-SLAB	32"X82 1/2"	16.67		0.3	0.3	1 3/8"	
D06	1	2	2668 R IN	HINGED-SLAB	32"X82 1/2"	16.67		0.3	0.3	1 3/8"	
D07	1	1	2868 L IN	HINGED-SLAB	34"X82 1/2"	17.78		0.3	0.3	1 3/8"	
D09	1	1	3068 R IN	HINGED-SLAB	38"X82 1/2"	20.0		0.3	0.3	1 3/8"	
D11	1	1	6068 L/R EX	EXT. DOUBLE HINGED-GLASS PANEL	74"X83"	40.0	YES	0.3	0.3	1 3/4"	
D12	1	1	6068 R EX	EXT. SLIDER-GLASS PANEL	74"X83"	40.0	YES	0.3	0.3	1 3/4"	
TOTALS:						386.47					

CABINET SCHEDULE SYMBOL: C#



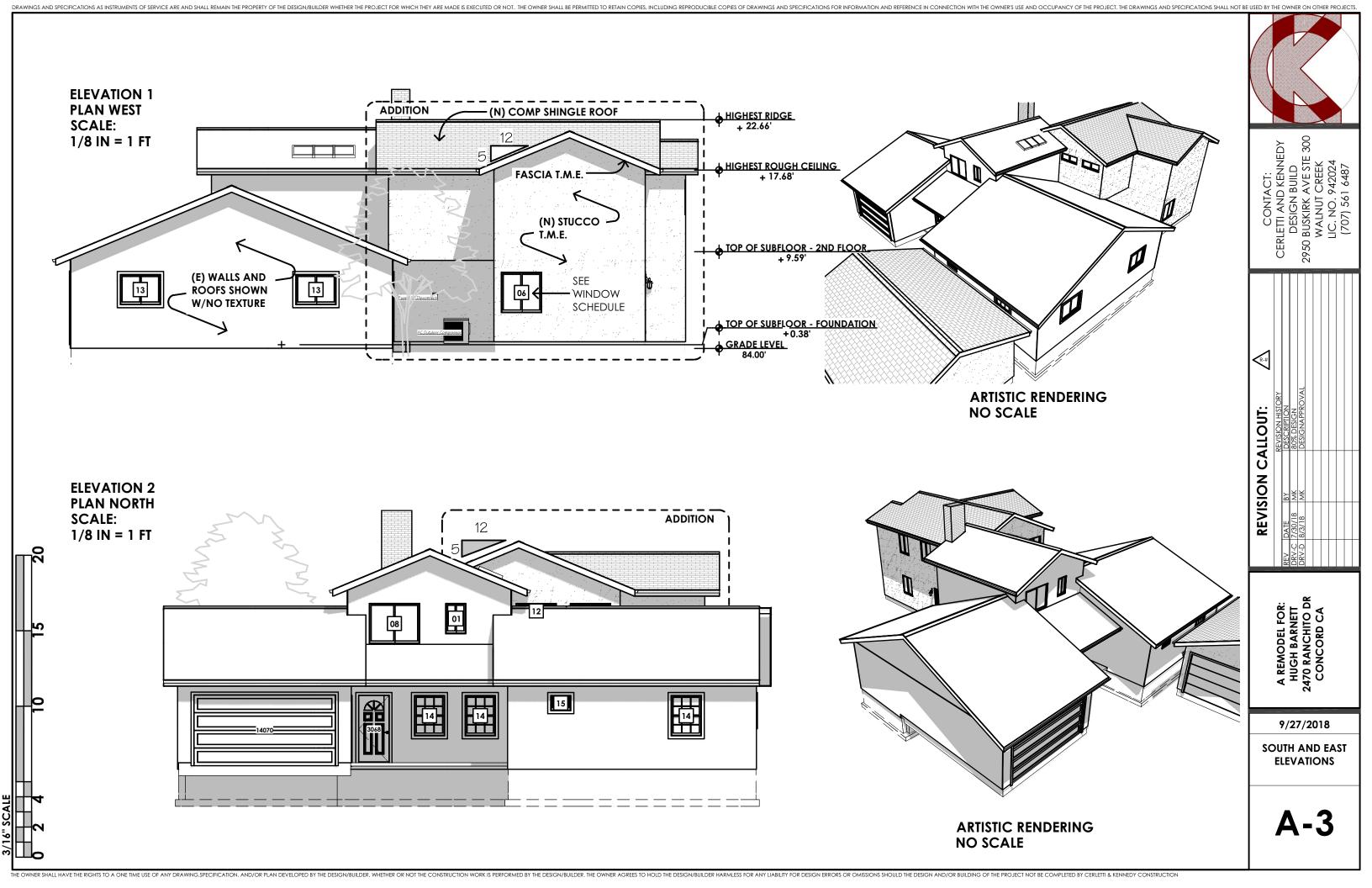
NUMBER	QTY	FLR	WIDTH	DEPTH	HEIGHT	DESCRIPTION	COMMENTS
C01	1	1	68 1/2 "	24 "	36 "	BASE CABINET	
C02	1	1	24 "	24 "	36 "	BASE CABINET	
C03	1	1	36 "	21 "	36 "	BASE CABINET	
C04	2	2	40 9/16 "	21 "	36 "	BASE CABINET	

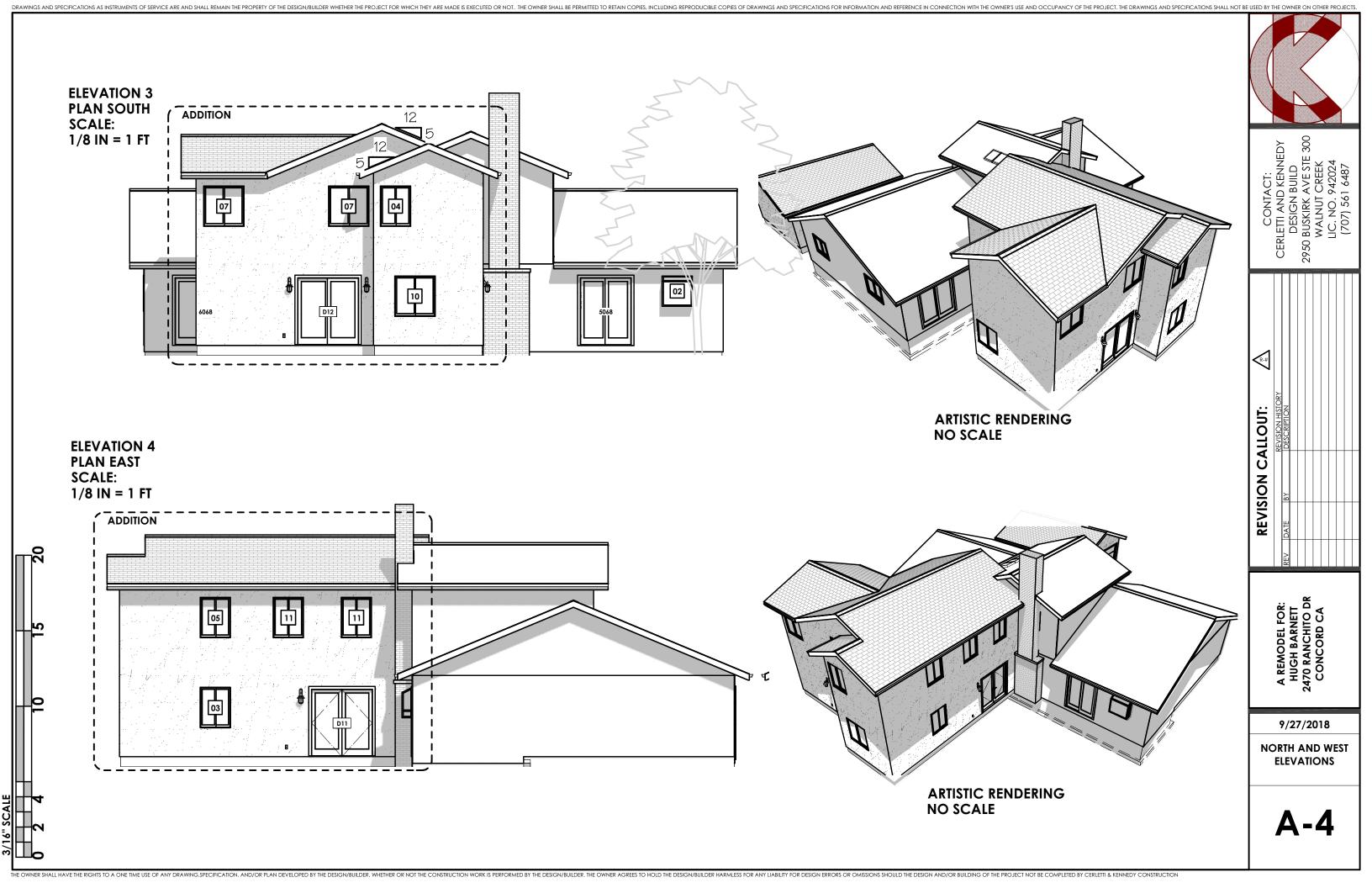


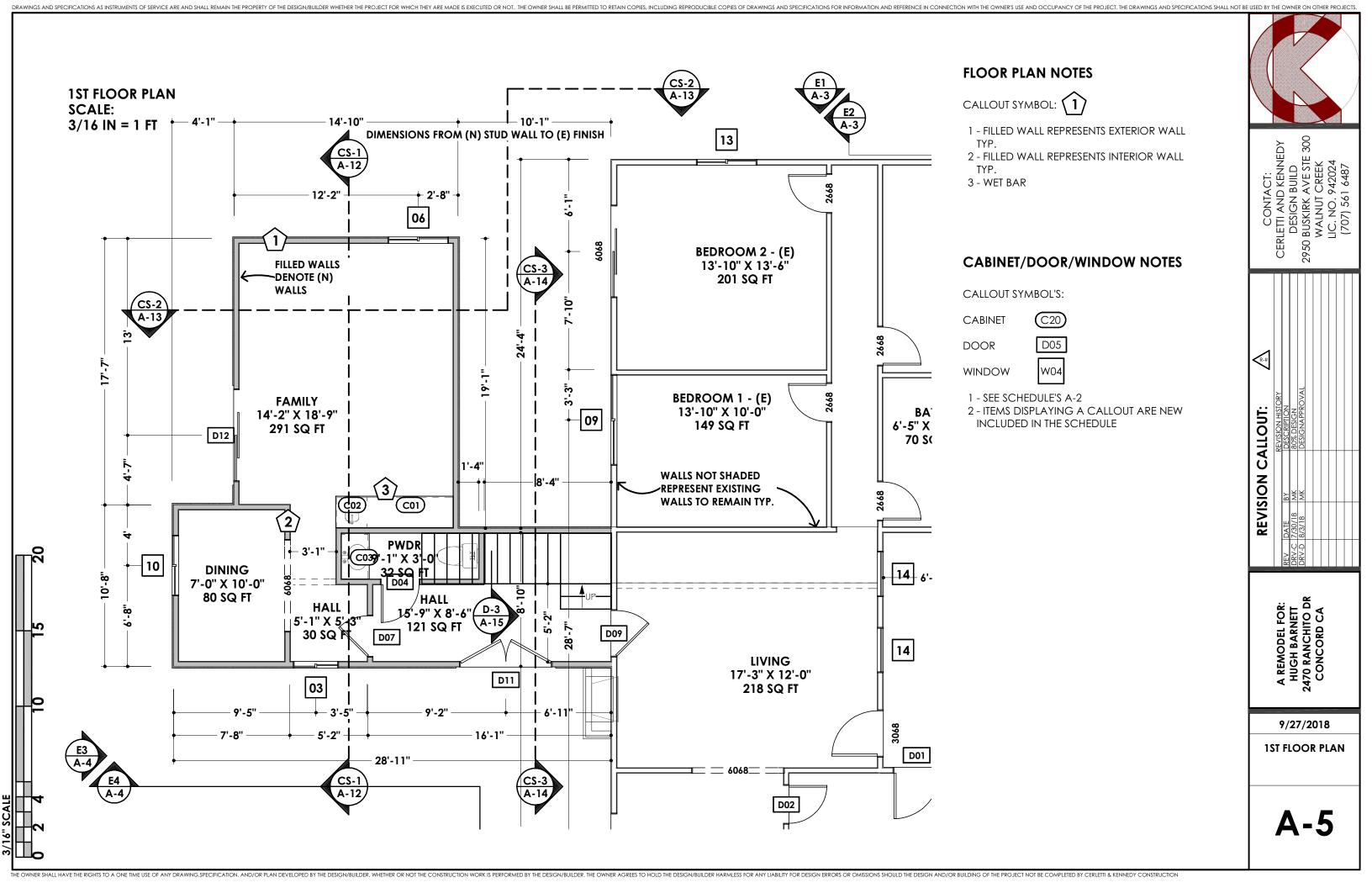
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LLOUT:	REVISION HISTORY	DESCRIPTION				
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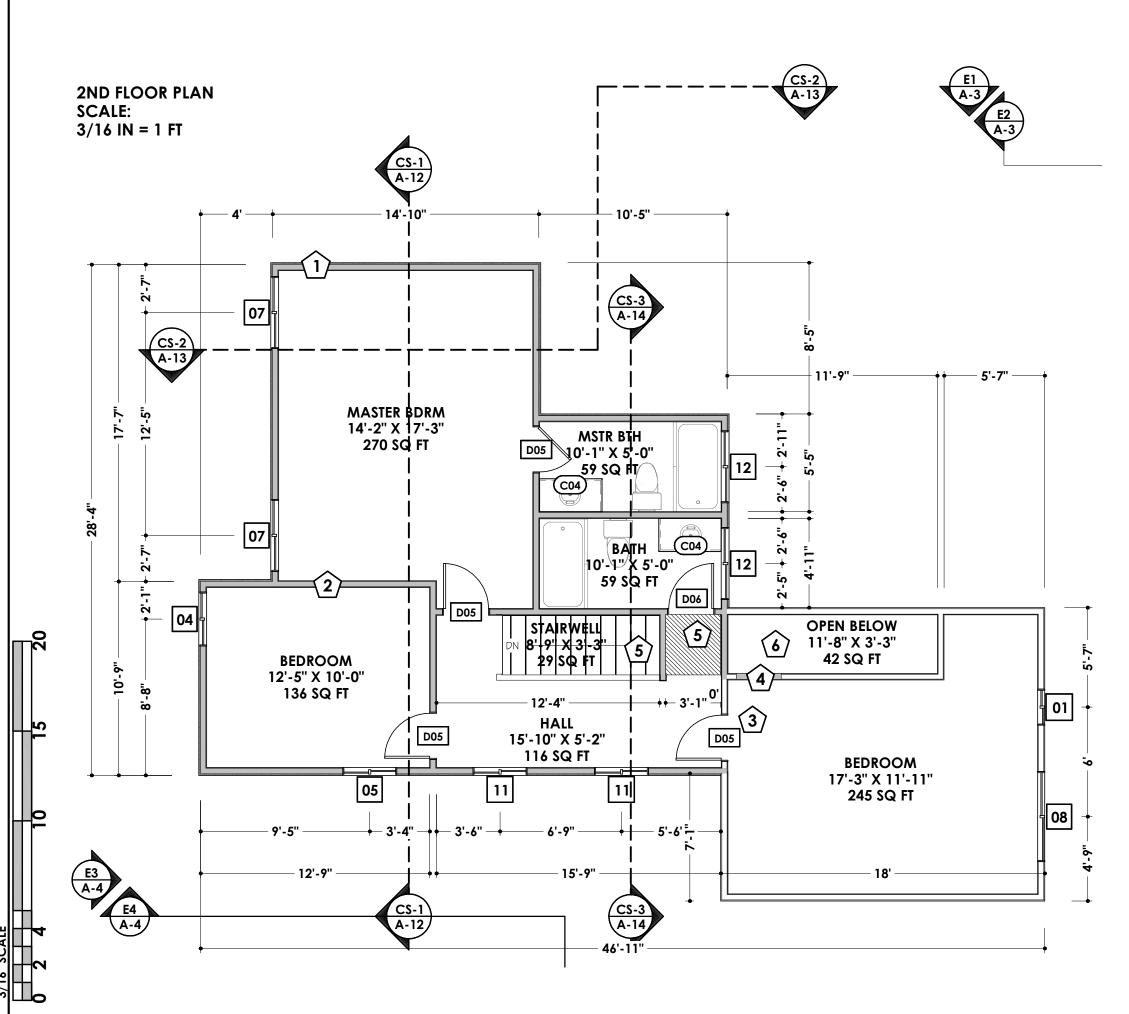
9/27/2018

SCHEDULES









DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF THE DESIGN/BUILDER WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER'S USE AND OCCUPANCY OF THE PROJECT, THE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER'S USE AND OCCUPANCY OF THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THE PROJE

FLOOR PLAN NOTES:

CALLOUT SYMBOL: (1)

- 1- FILLED WALL REPRESENTS EXT. WALL TYP.
- 2- FILLED WALL REPRESENTS INTERIOR WALL
- 3- NEW DOOR AT EXISTING WINDOW REMOVED.
- 4- FILL (E) DOOR REMOVED.
- 5- NO FLOOR FRAMING, USE 1.125" CDX ON LEDGER FOR HEAD CLEARANCE AT LANDING BELOW.

CABINET/DOOR/WINDOW NOTES

CALLOUT SYMBOL'S:

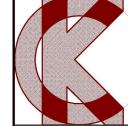
CABINET

(C20)

DOOR D05

WINDOW

- 1 SEE SCHEDULE'S A-2
- 2 ITEMS DISPLAYING A CALLOUT ARE NEW INCLUDED IN THE SCHEDULE



CONTACT:
CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 300
WALNUT CREEK
LIC. NO. 942024
(707) 561 6487

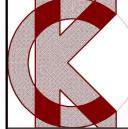


9/27/2018

2ND FLOOR PLAN

FOUNDATION PAN NOTES FOUNDATION PLAN CALLOUT SYMBOL: (1) SCALE: 3/16 IN = 1 FT1 EXISTING FOUNDATION TO REMAIN 2 NEW SLAB FOOTING 3 EXPANSION JOINT 10'-2" **FOUNDATION NOTES (CONCRETE):** - PROVIDE MIN. 40 BAR DIAMETER LAPS FOR $\langle 2 \rangle$ TENSION. - ALL FOOTINGS TO EXTEND 12" (MIN) TO UNDISTURBED SOIL.. - CONCRETE SHALL DEVELOP THE FOLLOWINF MINIMU COMPRESSIVE STRENGTH AT 28 DAYS; WALLS AND FOOTINGS: FC' = 2,500 PSI - REBAR CLEARANCES/COVER; (N) SLAB ON GRADE 3" (MIN.) WHERE ONCRETE/SOIL CONTACT EXISTS AT FOOTING. 2" (MIN.) ELSEWHERE (TYPICAL) - CONCRETE SHALL BE PLACED IN A CONTINUOUS OPERATION UNTIL THE SECTION (E) FOUNDATION. -IS COMPLETED BETWEEN PREDETERMINED NO WORK CONSTRUCTION JOINTS. CONCRETE SHALL BE OF A CONSISTENCY TO PERMIT PLACING INTIMATELY AROUND REINFORCING BARS AND AGAINST FORMS. - EXPOSED SURACES OF CONCRETE SHALL BE + 2'-7" + 2'-1" + 3'-10" KEPT MOIST OR CURED BY PROTECTIVE COVERINGS. $\langle 2 \rangle$ - FORMS SHALL BE TIGHT AND CLEAN BEFORE PLACING CONCRETE. $\langle 2 \rangle$ - REINFORCING STEEL SHALL BE CLEAN AND FREE OF RUST. $\langle 3 \rangle$ 10'-8" 8'-11 1/2" 18'-9" 28'-11'

DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF THE DESIGN/BUILDER WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER'S USE AND OCCUPANCY OF THE PROJECT, THE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER'S USE AND OCCUPANCY OF THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE OWNER SHALL REMAIN THE PROJECT FOR WHICH THE PROJE



CONTACT:
CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 30C
WALNUT CREEK
LIC. NO. 942024

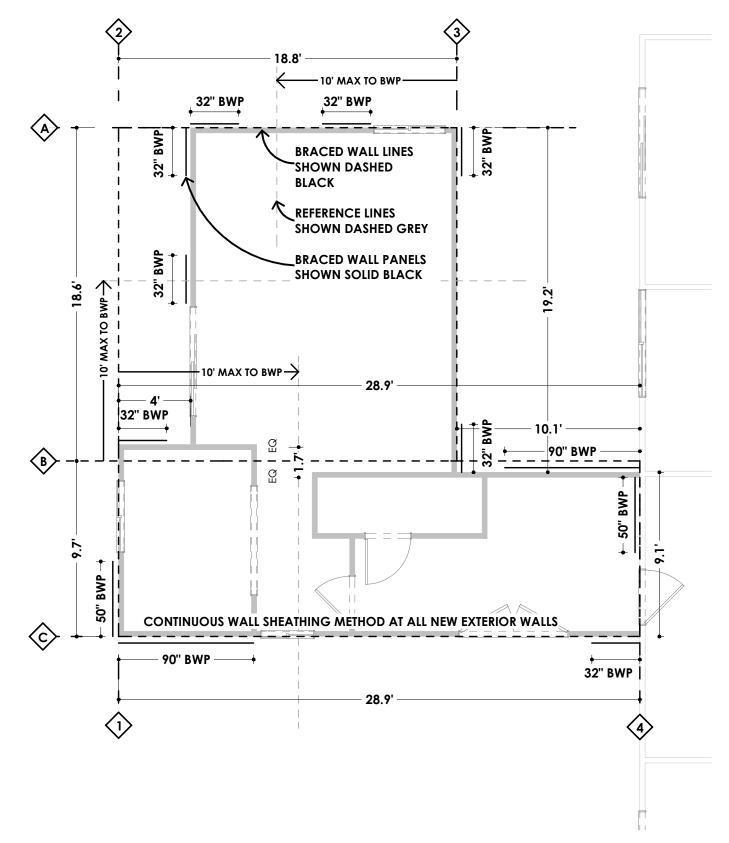


A REMODEL FOR HUGH BARNETT 2470 RANCHITO I CONCORD CA

9/27/2018

MAIN UNIT FOUNDATION PLAN

1ST FLOOR BRACED WALL PLAN SCALE: 3/16 IN = 1 FT



BRACED WALL PLAN NOTES

EXISTING BRACED WALLS TO REMAIN. CS-WSP METHOD USED FOR COMPLIANCE CONTRACTOR TO V.I.F.

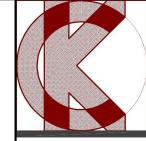
STUD TO STUD AND ABUTING STUDS AT INTERSECTING WALL CORNERS- USE 16D BOX(3-1/2" X 0.135")OR 3" X 0.131" NAILS @ 6" EDGES, 12" FIELD

BRACED WALL PANEL LEGEND

CALLOUT SYMBOL:

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	(302.	10.3(3) SI	EISMIC				AL	DJUST	MEN.	S	
WALL LINE	STORY	TOTAL STORIES	CS-WSP\CS-PF	LENGTH	MIN REQ.	STORY HEIGHT	ADJSTMNT. FCTR.	DEAD LOAD	ADJSTMNT FCTR	BWL LENGTH ADJSTMNT. FCTR.	ADJUSTED LENGTH	ADJUSTED LENGTH IN INCHES
1	1	2	3.8' per 10'	9.70	3.80	8	1	>15	1.1	1	4.18	50.2
2	1	2	3.8' per 10'	18.60	3.80	8	1	>15	1.1	1	4.18	50.2
3	1	2	3.8' per 10'	19.20	3.80	8	1	>15	1.1	1	4.18	50.2
4	1	2	3.8' per 10'	9.10	3.80	8	1	>15	1.1	1	4.18	50.2
Α	1	2	3.8' per 10'	18.80	3.80	8	1	>15	1.1	1	4.18	50.2
В	1	2	7.7' per 20'	28.90	7.70	8	1	>15	1.1	1.2	10.16	122
С	1	2	7.7' per 20'	28.90	7.70	8	1	>15	1.1	1.2	10.16	122



CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 300
WALNUT CREEK
LIC. NO. 942024
(707) 561 6487

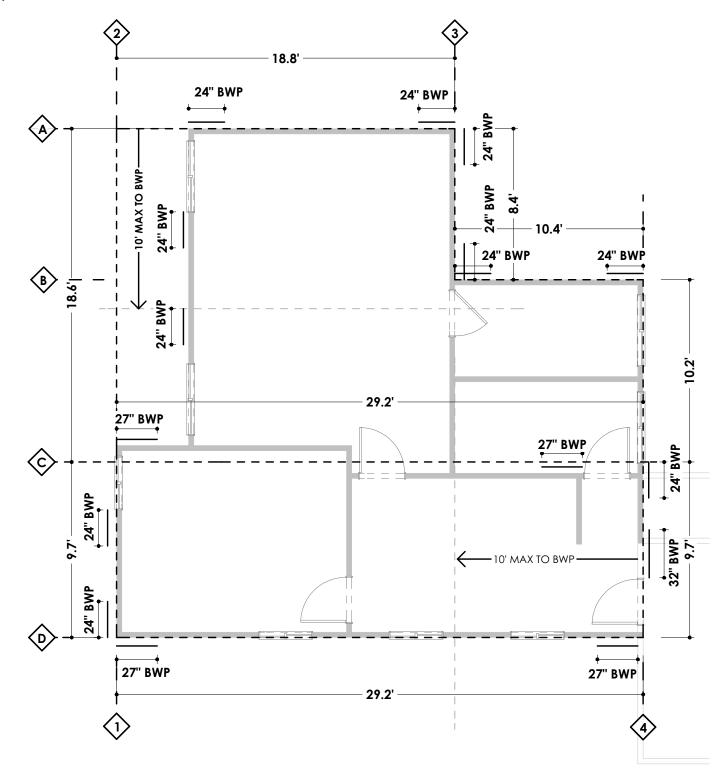


A REMODEL FOR: HUGH BARNETT 2470 RANCHITO D CONCORD CA

9/27/2018

MAIN UNIT BRACE WALL PLAN

2ND FLOOR BRACED WALL PLAN SCALE: 3/16 IN = 1 FT



BRACED WALL PLAN NOTES

EXISTING BRACED WALLS TO REMAIN. CS-WSP METHOD USED FOR COMPLIANCE CONTRACTOR TO V.I.F.

STUD TO STUD AND ABUTING STUDS AT INTERSECTING WALL CORNERS- USE 16D BOX(3-1/2" X 0.135")OR 3" X 0.131" NAILS @ 6" EDGES, 12" FIELD

BRACED WALL PANEL LEGEND

CALLOUT SYMBOL:

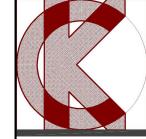
	(502.	10.3(3) SI	EISMIC	¢	ADJUSTMENTS							
WALL LINE	STORY	TOTAL STORIES	CS-WSP\CS-PF	LENGTH	MIN REQ.	STORY HEIGHT	ADJSTMNT. FCTR.	DEAD LOAD	ADJSTMNT FCTR	BWL LENGTH ADJSTMNT. FCTR.	ADJUSTED LENGTH	ADJUSTED LENGTH IN INCHES	
1	2	2	3.8' per 10'	9.70	1.70	8	1	>15	1.1	1	1.87	22.4	
2	2	2	3.8' per 10'	18.60	1.70	8	1	>15	1.1	1	1.87	22.4	
3	2	2	3.8' per 10'	19.20	1.70	8	1	>15	1.1	1	1.87	22.4	
4	2	2	3.8' per 10'	19.90	1.70	8	1	>15	1.1	1	1.87	22.4	
Α	2	2	3.8' per 10'	18.80	1.70	8	1	>15	1.1	1	1.87	22.4	
В	2	2	3.8' per 10'	10.40	1.70	8	1	>15	1.1	1	1.87	22.4	
С	2	2	7.7' per 20'	29.20	3.40	8	1	>15	1.1	1.2	4.49	53.9	

29.20

3.40 8

1 >15 1.1

1.2 4.49



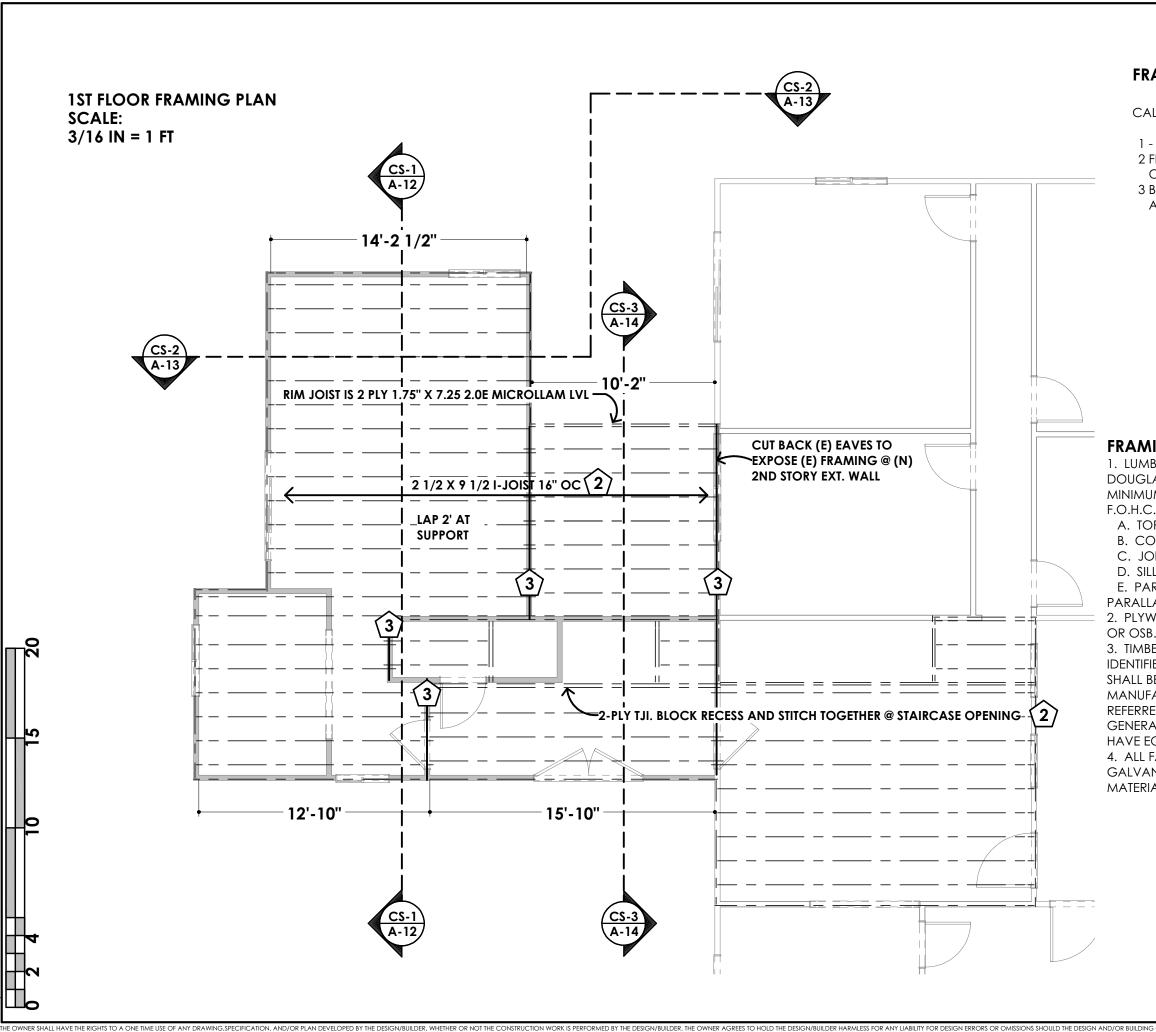
CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 300
WALNUT CREEK
LIC. NO. 942024

R-#							
LLOUT:	REVISION HISTORY	DESCRIPTION					
REVISION CALLOUT:		BY					
REVIS		DATE					
		REV		_		_	

A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DI CONCORD CA

9/27/2018

2ND FLOOR BRACED WALL PLAN

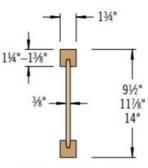


FRAMING PLAN NOTES

CALLOUT SYMBOL: (1)



- 1 SEE CS-3/A-14 FOR FRAMING DETAILS
- 2 FLOOR/CEILING JOISTS TO BE D.F.#2 2X10 OR 110 SERIES 9-1/2" TJI @ 16"O.C.
- 3 BEARING LINE, LAP 2' AND SISTER (FILL TJI AND SISTER WHERE OCCURS)



TJI® 110 Joists

FRAMING NOTES (WOOD):

1. LUMBER USED FOR STRUCTURAL PURPOSES SHALL BE DOUGLAS FIR (DF) CONFORMING TO THE FOLLOWING MINIMUM GRADES AND BE FREE OF HEART CENTER (F.O.H.C.);

A. TOP PLATES, BLOCKING

D.F. NO. 2

B. CONCEALED POSTS/HEADERS(U.N.O.) D.F. NO. 2

C. JOISTS (U.N.O.)

D.F. NO. 2 P.T.D.F. NO.2

D. SILL PLATES, LEDGERS

E. PARALLAM BEAMS

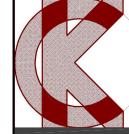
2.0E WS

PARALLAM

2. PLYWOOD SHALL BE DOUGLAS FIR STRUCTURAL II CDX

3. TIMBER FASTENERS INDICATED ON DRAWINGS SHALL BE IDENTIFIED BY PROPRIENTARY NAMES, OR EQUAL, AND SHALL BE FASTENED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. FASTENERS ARE REFERRED TO BY SIMPSON COMPANY DESIGNATION. FOR GENERAL CHARACTERISTICS. SUBSTITUTE FASTENERS MUST HAVE EQUAL OR BETTER STRUCTURAL PROPERTIES.

4. ALL FASTENERS IN P.T. LUMBER & MUDSILLS TO BE GALVANIZED OR OTHER CORROSION RESISTANT MATERIAL..



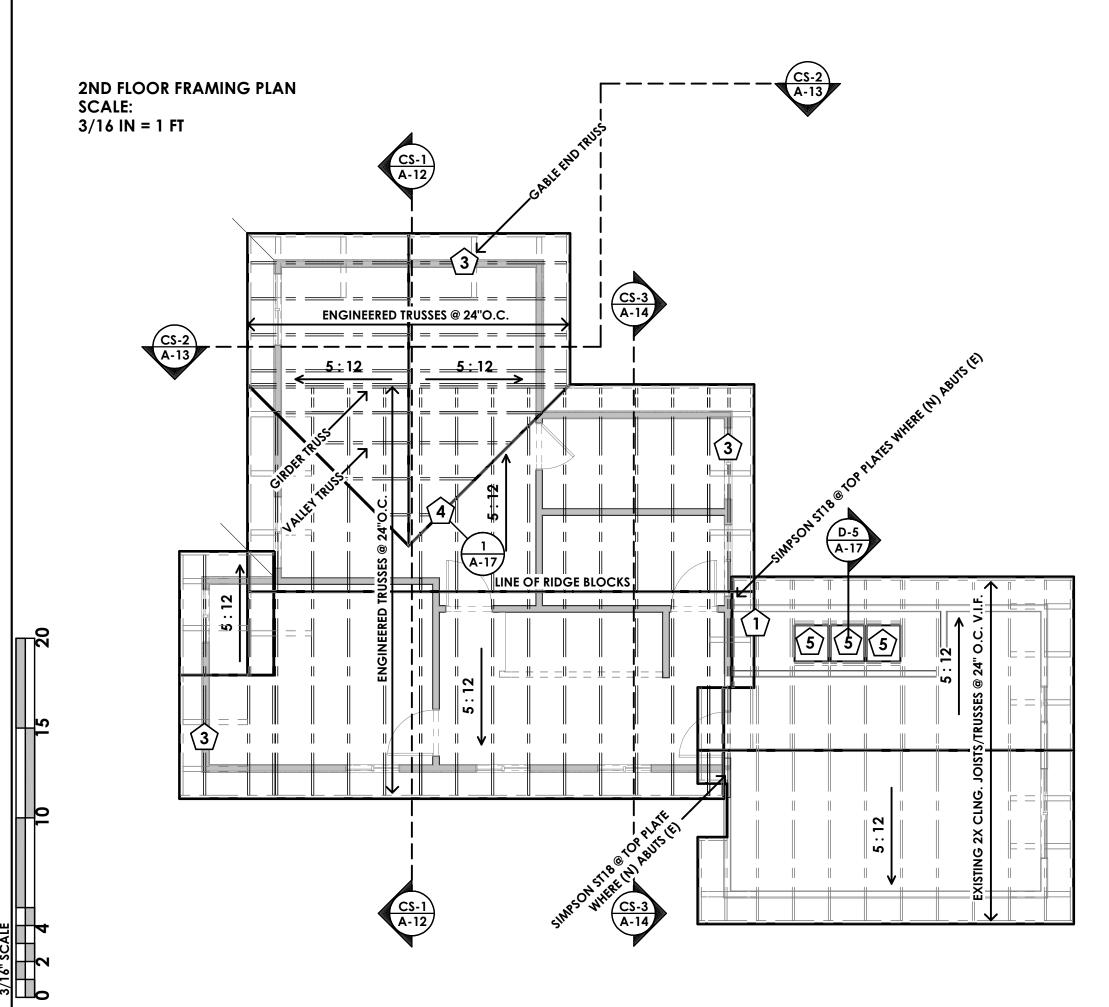
CONTACT:
CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 300
WALNUT CREEK
LIC. NO. 942024
(707) 561 6487



A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

9/27/2018

FIRST FLOOR FRAMING PLAN



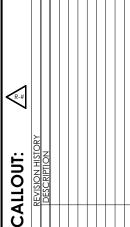
FRAMING PLAN NOTES

CALLOUT SYMBOL: (1)



- 1 CUT BACK/CALIFORNIA FRAME (E) ROOF @ (N) VALLEY
- 2 BLOCKS AT VALLEY FOR ROOF SHEATHING
- 3 END GABLE TRUSS 8' CLNG. HEIGHT
- 4 CALIFORNIA TRUSS OVER
- 5 NEW SKYLIGHTS. SEE DETAIL 5 SHEET A-17

CONTACT: CERLETTI AND KENNEDY DESIGN BUILD 2950 BUSKIRK AVE STE 300 WALNUT CREEK LIC. NO. 942024 (707) 561 6487



REVISION

FRAMING NOTES (WOOD):

1. LUMBER USED FOR STRUCTURAL PURPOSES SHALL BE DOUGLAS FIR (DF) CONFORMING TO THE FOLLOWING MINIMUM GRADES AND BE FREE OF HEART CENTER (F.O.H.C.);

A. TOP PLATES, BLOCKING

D.F. NO. 2

B. CONCEALED POSTS/HEADERS(U.N.O.) D.F. NO. 2 D.F. NO. 2 C. JOISTS (U.N.O.)

D. SILL PLATES, LEDGERS P.T.D.F. NO.2 2.0E WS

E. PARALLAM BEAMS PARALLAM

2. PLYWOOD SHALL BE DOUGLAS FIR STRUCTURAL II CDX OR OSB.

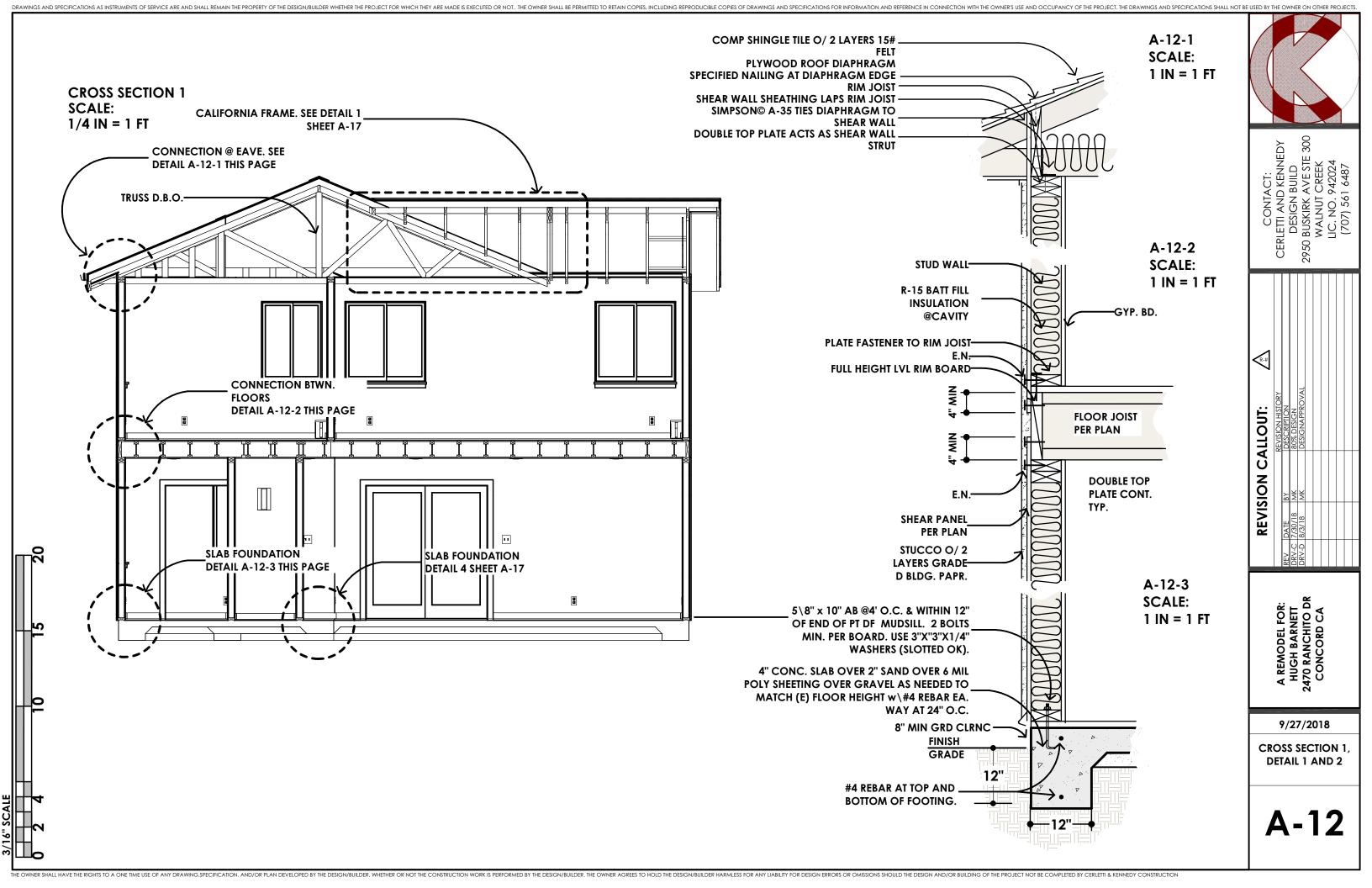
3. TIMBER FASTENERS INDICATED ON DRAWINGS SHALL BE IDENTIFIED BY PROPRIENTARY NAMES, OR EQUAL, AND SHALL BE FASTENED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. FASTENERS ARE REFERRED TO BY SIMPSON COMPANY DESIGNATION. FOR GENERAL CHARACTERISTICS. SUBSTITUTE FASTENERS MUST HAVE EQUAL OR BETTER STRUCTURAL PROPERTIES.

4. ALL FASTENERS IN P.T. LUMBER & MUDSILLS TO BE GALVANIZED OR OTHER CORROSION RESISTANT MATERIAL..

A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

9/27/2018

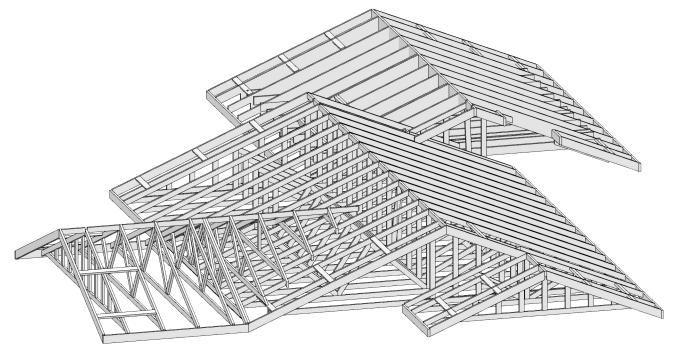
2ND FLOOR FRAMING PLAN



CROSS SECTION 2 SCALE: 1/4 IN = 1 FT



GRAPHICAL ROOF FRAMING REFERENCE NO SCALE





CONTACT:
CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 300
WALNUT CREEK

REVISION CALLOUT:

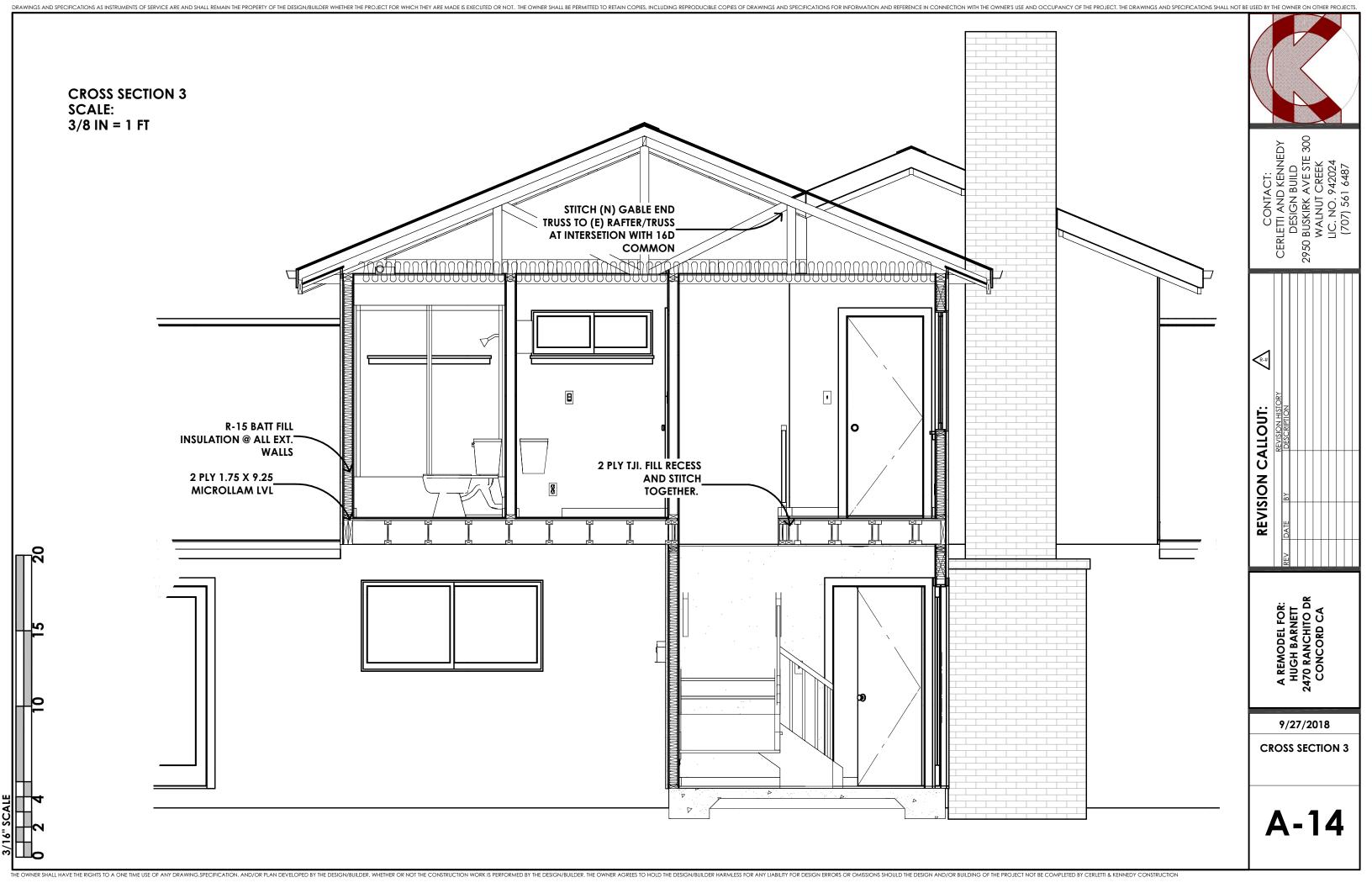
A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

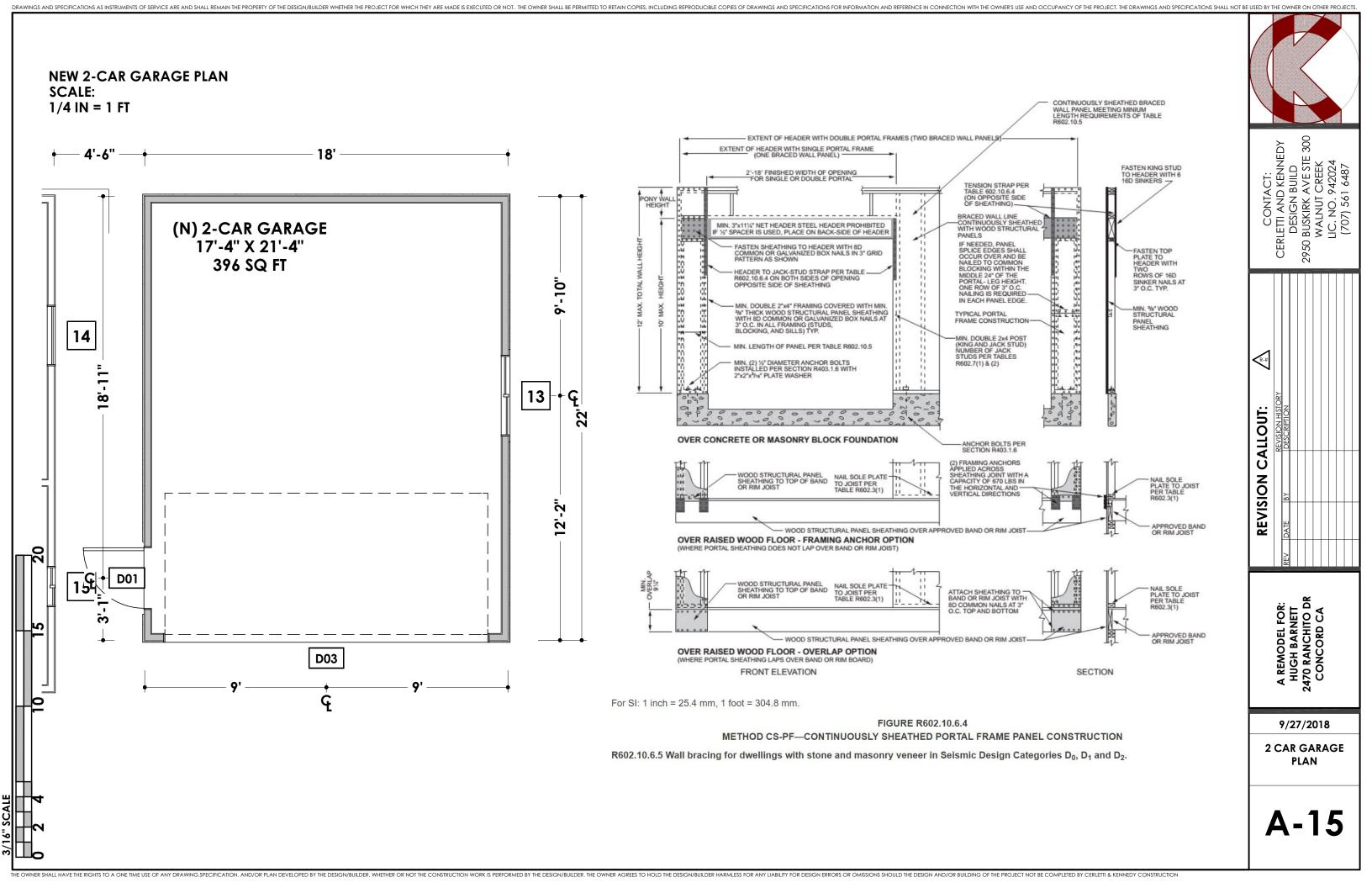
9/27/2018

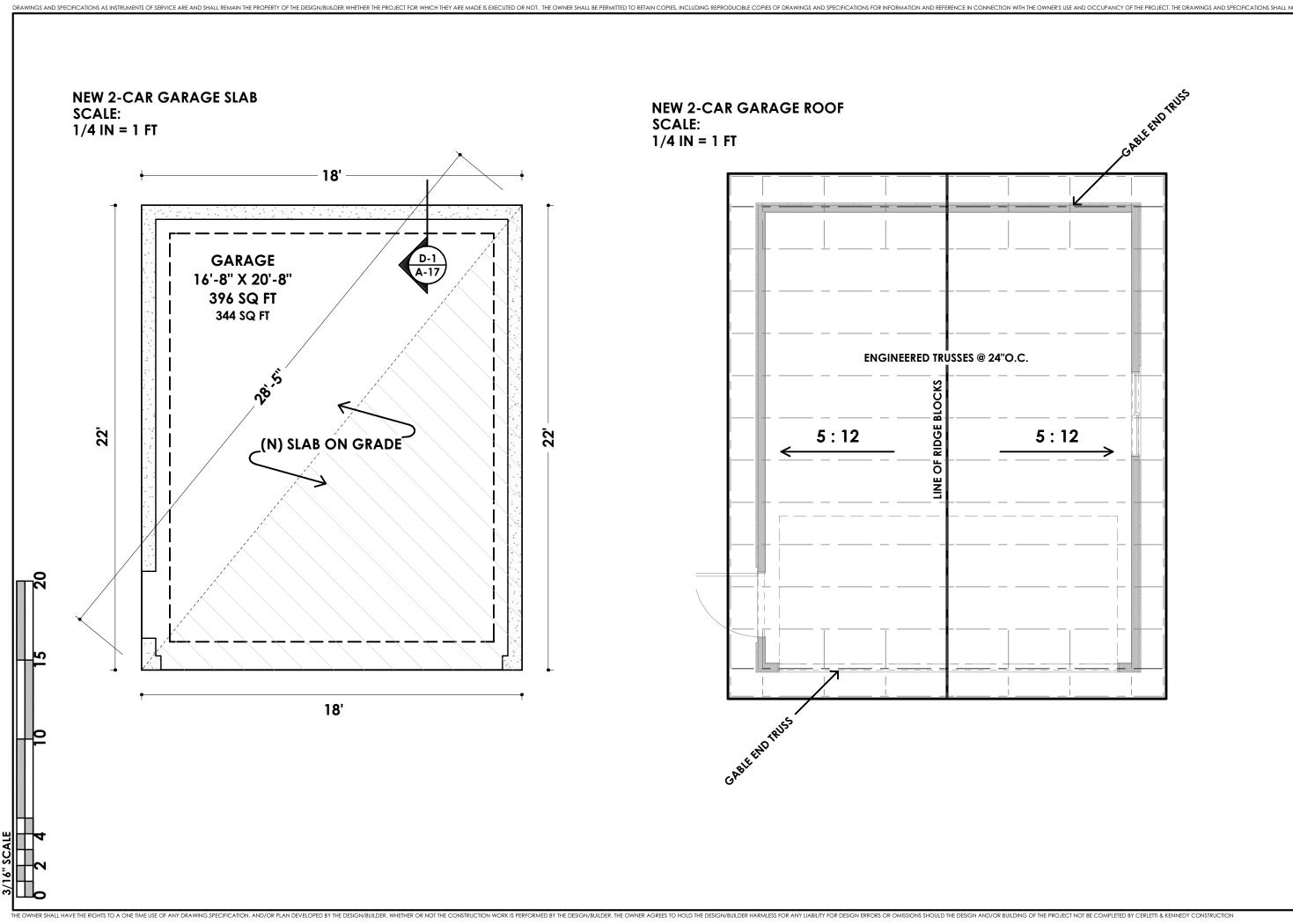
CROSS SECTION 2, ROOF GRAPHIC

A-13

OWNER SHALL HAVE THE RIGHTS TO A ONE TIME USE OF ANY DRAWING, SPECIFICATION, AND/OR PLAN DEVELOPED BY THE DESIGN/BUILDER. WHETHER OR NOT THE CONSTRUCTION WORK IS PERFORMED BY THE DESIGN/BUILDER. THE OWNER AGREES TO HOLD THE DESIGN/BUILDER. THE OW







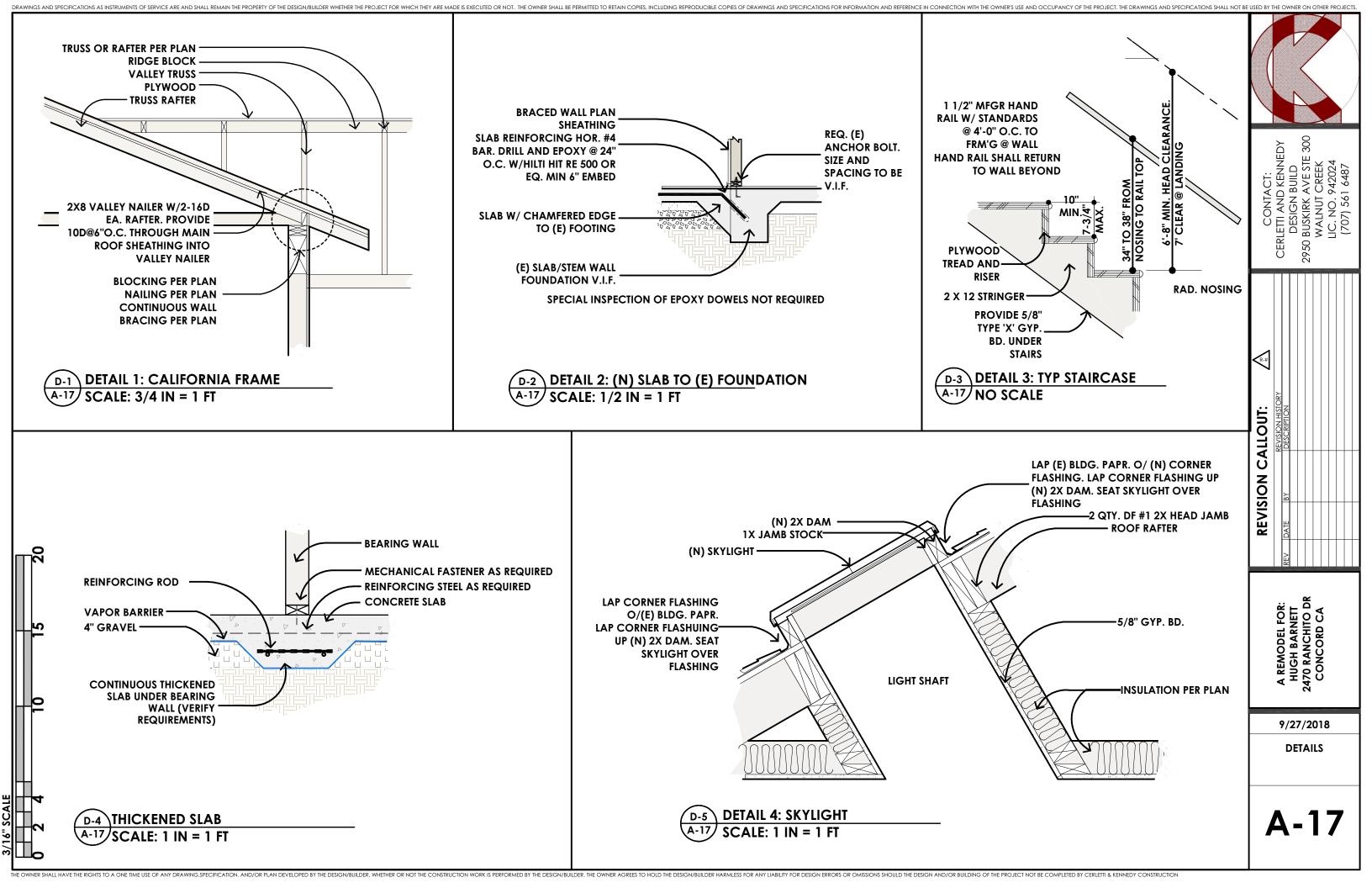
CONTACT:
CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 30
WALNUT CREEK

REVISION CALLOUT:

A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

9/27/2018

GARAGE FOUNDATION AND ROOF FRAMING



ELECTRICAL SCHEDULE SCHEDULE SYMBOL:

1ST FLOOR ELECTRICAL PLAN SCALE: 3/16 IN = 1 FT

NO	QTY	FLR	DESCRIPTION	COMMENTS
01	1	1	DUPLEX (WEATHERPROOF)	GFCI
02	18	1	DUPLEX	
03	15	1	RECESSED DOWN LIGHT 6	
04	14	2	DUPLEX	
06	1	1	VANITY LIGHT T.B.D.	
07	4	1	EXT. WALL SCONCE	
80	14	1	SINGLE POLE	
09	1	1	VACANCY SENSOR	

10	2	1	DUPLEX CEILING MOUNT	
11	14	2	RECESSED DOWN LIGHT 6	
12	8	2	SINGLE POLE	
13	2	2	VANITY LIGHT T.B.D.	
14	2	2	EXHAUST	W/HUMIDISTAT
15	2	2	VACANCY SENSOR	
16	2	2	GFCI	
17	2	1	TUBE LIGHT	



CAL-GREEN NOTES:

BATH FAN(S) SHALL BE:

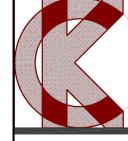
- A) DIRECT VENTED TO THE EXTERIOR
- B) CONTROLLED BY A HUMIDISTAT AND
- C) SHALL BE AN "ENERGY STAR" RATED APPLIANCE.
- D) SHALL PROVIDE 50 CFM INTERMITTENT OR 25 CFM CONTINUOUS.
- E) CONTINUOUS FANS TO HAVE A SOUND RATING NOT TO EXCEED 1 SONE, INTERMITTENT NOT TO EXCEED 3 SONE.
- F) SHALL BE PROVIDED A BACK DRAFT DAMPER.

PLUMBING FIXTURE FLOW RATES:

- A) SHOWERHEADS 2 GPM @ 80 PSI,
- B) LAVATORY FAUCETS, RESIDENTIAL 1.5 GPM @ 60 PSI2
- C) KITCHEN FAUCETS 1.8 GPM @ 60 PSI
- D) GRAVITY TANK-TYPE WATER CLOSETS 1.28 GALLONS PER FLUSH

ELECTRICAL NOTES:

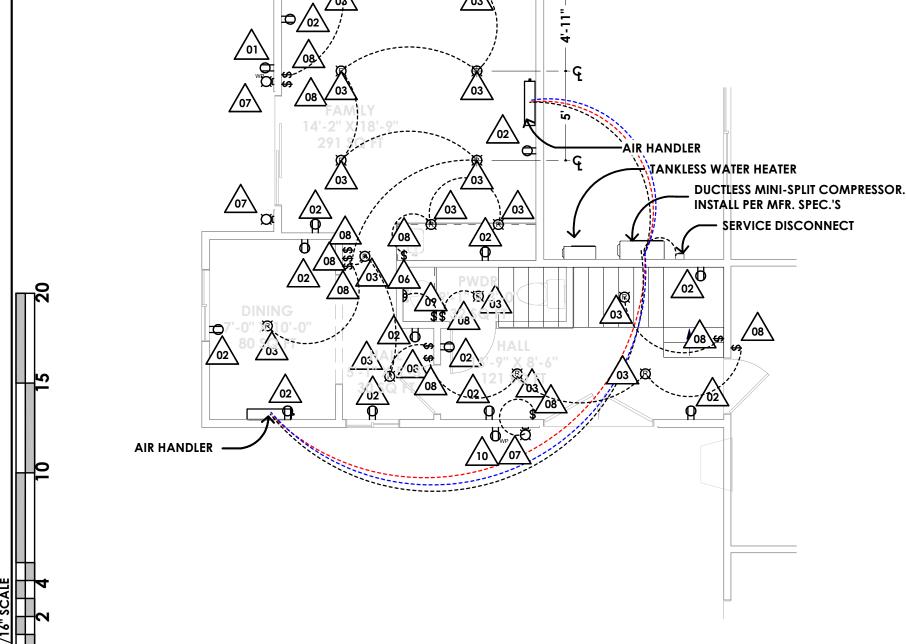
- -PROVIDE (N) BRANCH CIRCUIT TO ADDITION.
- -PROVIDE 20 AMP CIRCUIT FOR BATHROOM RECEPTACLES.
- -PROVIDE 20 AMP CIRCUIT FOR LAUNDRY RECEPTACLES
- -P[ROVIDE GFI PROTECTION AT BATHROOM, GARAGE AND OUTDOOR RECEPTACLES.
- -ALL COUNTER TOP RECEPTACLES WITHIN 6' OF SINK/LAUNDRY TUB TO BE GFCI PROTECTED.
- -PROVIDE SPLIT SWITCHING OF BATH FAN AND LIGHT.
- -PROVIDE INTERMATIC WEATHERPROOF OUTLET BOX AT GFCI PROTECTED RECEPT AT EXTERIOR.
- -PROVIDE IC RATING AT ALL CANS, AIRTIGHT & CAULK.
- -PROVIDE 1 NON-GFCI RECEPTACLE AT GARAGE.
- -PROVIDE HARDWIRED SMOKE DETECTOR AT NEW BEDROOM.
- -VERIFY\PROVIDE BATTERY TYPE SMOKE DETECTORS IN EACH (E)
- BEDROOM AND BEDROOM CORRIDOR, ON EACH STORY AND AT HALLWAY NEXT TO BEDROOMS.
- -VERIFY PROVIDE BATTERY TYPE CO DETECTOR AT HALLWAY ADJACENT TO BEDROOMS.
- -PROVIDE ARC FAULT PROTECTION AT ALL (N) (NON GFI) RECEPTACLES. -PROVIDE LIGHT SUITABLE FOR DAMP LOCATION AT (N) ENTRY DOORS.
- -PROVIDE A SWITCHED LIGHT AT ALL HABITABLE ROOMS, KITCHENS,
- BATHROOMS, STAIRS, HALLS, GARAGES AND STORE ROOMS.





9/27/2018

MAIN UNIT ELECTRICAL PLAN

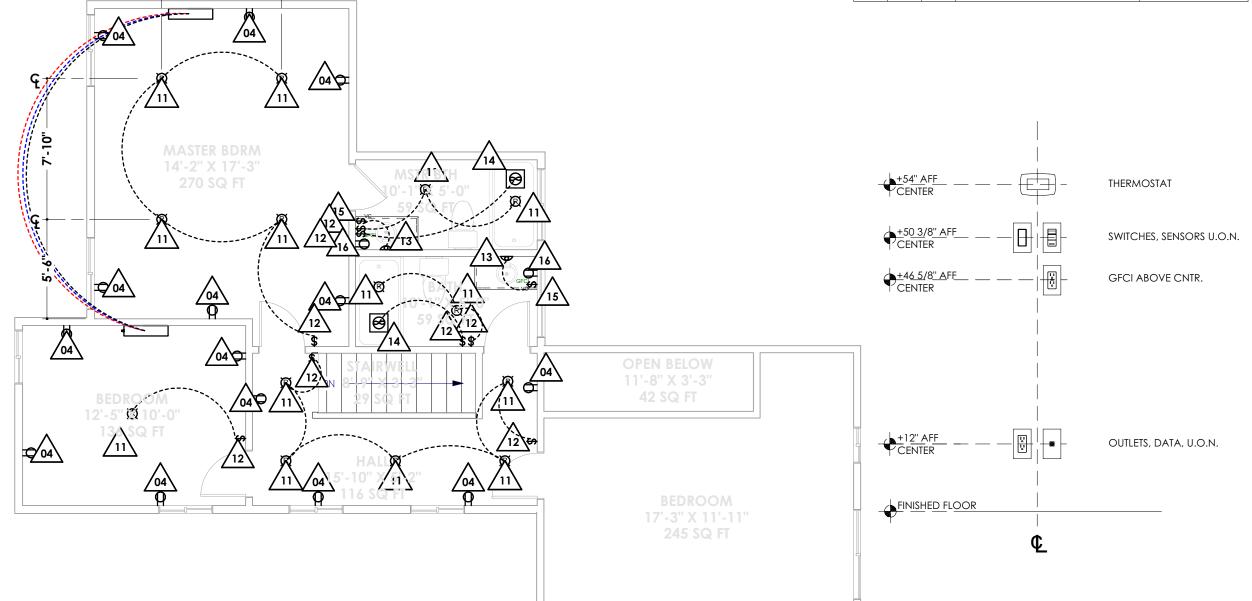


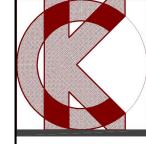




QTY	FLR	DESCRIPTION	COMMENTS
1	1	DUPLEX (WEATHERPROOF)	GFCI
18	1	DUPLEX	
15	1	RECESSED DOWN LIGHT 6	
14	2	DUPLEX	
1	1	VANITY LIGHT T.B.D.	
4	1	EXT. WALL SCONCE	
14	1	SINGLE POLE	
1	1	VACANCY SENSOR	
	1 18 15 14 1 4	1 1 18 1 15 1 14 2 1 1 4 1	1 1 DUPLEX (WEATHERPROOF) 18 1 DUPLEX 15 1 RECESSED DOWN LIGHT 6 14 2 DUPLEX 1 1 VANITY LIGHT T.B.D. 4 1 EXT. WALL SCONCE 14 1 SINGLE POLE

10	2	1	DUPLEX CEILING MOUNT	
11	14	2	RECESSED DOWN LIGHT 6	
12	8	2	SINGLE POLE	
13	2	2	VANITY LIGHT T.B.D.	
14	2	2	EXHAUST	W/HUMIDISTAT
15	2	2	VACANCY SENSOR	
16	2	2	GFCI	
17	2	1	TUBE LIGHT	
18	1	1	SINGLE POLE	GARAGE DOOR





CONTACT:
CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 300
WALNUT CREEK
LIC. NO. 942024
(707) 561 6487



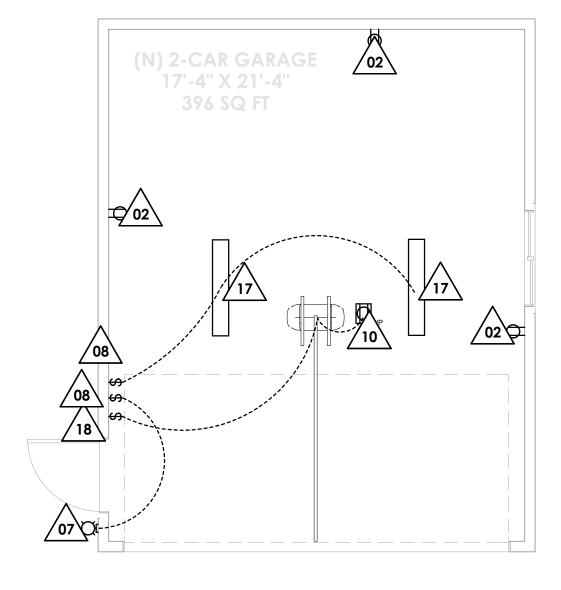
A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

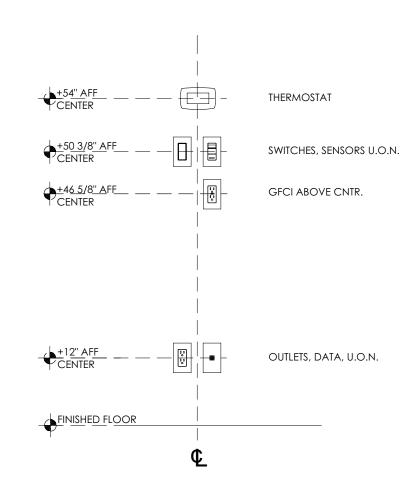
9/27/2018

2ND FLOOR **ELECTRICAL PLAN**

E-2

NEW 2-CAR GARAGE SLAB SCALE: 1/4 IN = 1 FT







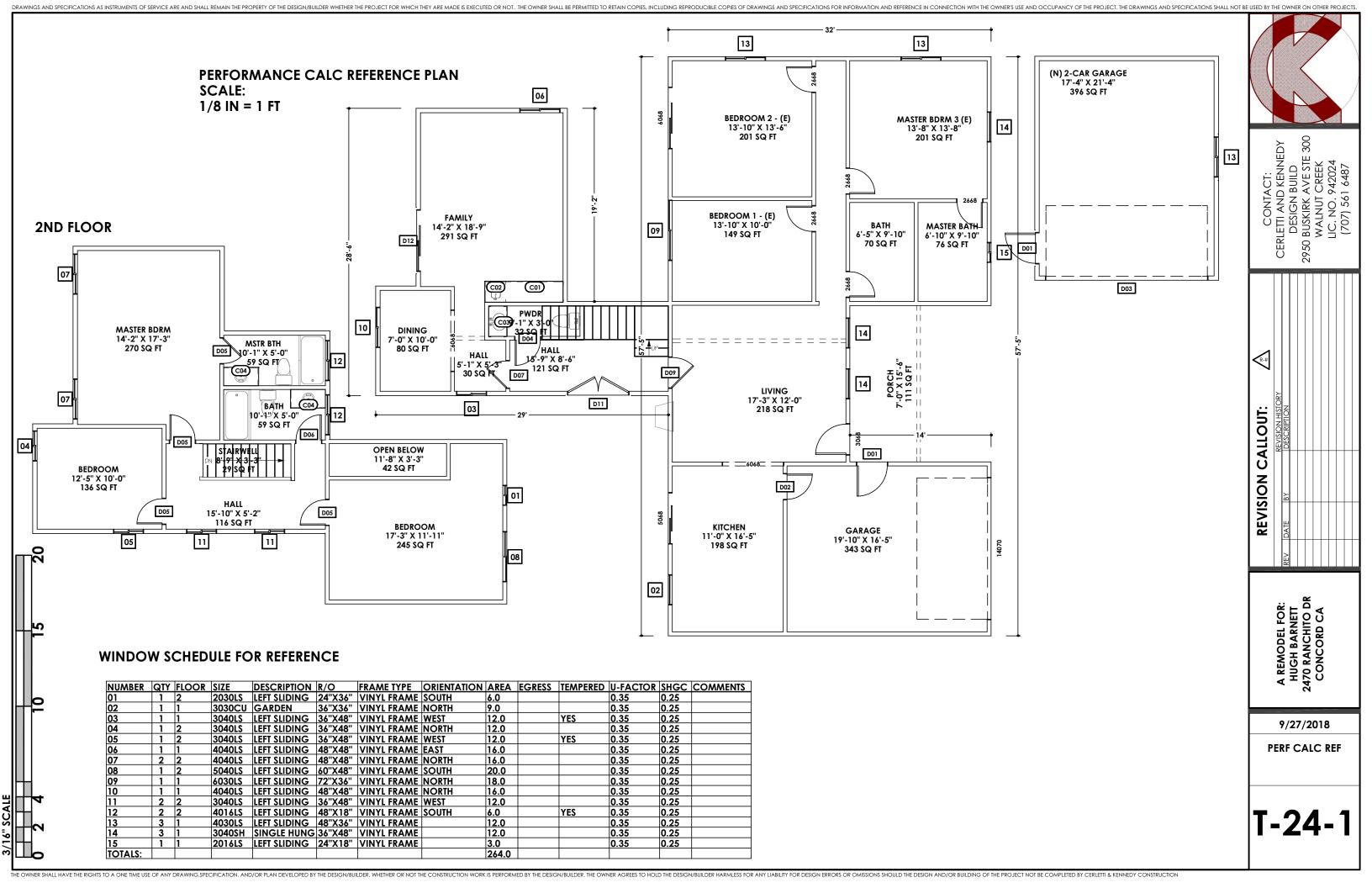
CONTACT:
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DESIGN BUILD
2950 BUSKIRK AVE STE 300
WALNUT CREEK
LIC. NO. 942024
(707) 561 6487



A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

9/27/2018

GARAGE **ELECTRICAL PLAN**



SENER	GENERAL INFORMATION				
10	Project Name	BARNETT ADDITION			
02	Calculation Description	Addition 667 ft2			
03	Project Location	Project Location 5470 RANCHITO DR			
04	City	City CONCORD CA	90	Standards Version Compliance 2017	Compliance 2017
90	Zip Code 94520	94520	20	Compliance Manager Version	Compliance Manager Version BEMCmpMgr 2016.3.0 (1016 SP2)
80	Climate Zone CZ3	CZ3	60	Software Version	Software Version CBECC-Res 2016.3.0 SP2 (977)
10	Building Type Single Family	Single Family	11	Front Orientation (deg/Cardinal) 180	180
12	Project Scope	Project Scope Addition and/or Alteration	13	Number of Dwelling Units	1
14	Total Cond. Floor Area (ft²) 2305	2305	15	Number of Zones	2
16	Slab Area (ft²) 2305	2305	17	Number of Stories	2
18	Addition Cond. Floor Area (ft²) 667	299	19	Natural Gas Available	Yes
20	Addition Slab Area (ft²) 667	299	21	Glazing Percentage (%) 10.7%	10.7%

Building Complies with Computer Performance 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. This building incorporates one or more Special Features shown below 3 2 3

	ENERG	ENERGY USE SUMMARY		
04	05	90	20	80
Energy Use (kTDV/ft²-yr)	Standard Design	Proposed Design	Compliance Margin	Percent Improvement
Space Heating	71.73	71.60	0.13	0.2%
Space Cooling	7.93	7.10	0.83	10.5%
IAQ Ventilation	0.00	00.0	00.00	0.0%
Water Heating	15.71	15.71	0.00	0.0%

REQUIRED SPECIAL FEATURES

voltaic Offset

- Ceiling has high level of insulation New ductwork added is less than 40 ft. in length

Registration Number: CA Building Energy Efficiency Standards - 2016 Resi

Registration Date/Time: Report Version - CF1R-04302018-1016 SP2

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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: BARNETT ADDITION Calculation Description: Ex HVAC Altered DHW Input File

Calculation Date/Time: 18:26, Thu, Sep 27, 2018 Input File Name: RANCHITO COMPLIANCE 2.ribd16

that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy perfor

PI	BILL DING - FEATURES INFORMATION

01	02	03	04	90	06	20
		Number of Dwelling			Number of Ventilation	Number of Water
Project Name	Conditioned Floor Area (ft²)	Units	Number of Bedrooms	Number of Zones	Cooling Systems	Heating Systems
BARNETT ADDITION	2305	Į	4	2	0	2
ZONE INFORMATION						

ZONE INFORMATION						
10	02	03	04	90	90	07
			Zone Floor Area	Avg. Ceiling		
Zone Name	Zone Type	HVAC System Name	(ff ²)	Height	Water Heating System 1 Water Heating System 2	Water Heating System 2
House	Conditioned	Ex System	1638	8	(E) DHW	n/a
Addition	Conditioned	(N) MINI SPLIT	299	8	TANKLESS WH	n/a

TITLE 24 PAGE 1-2 T24-1

REVISION CALLOUT:

R-#

Registration Date/Time: Report Version - CF1R-04302018-1016 SP2

ial Compliance

Registration Number: CA Building Energy Efficiency Standards - 2016 Resi

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A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

9/27/2018

DESCRIPTION

CONTACT:
CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 300
WALNUT CREEK
LIC. NO. 942024
(707) 561 6487

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: BARNETT ADDITION

Calculation Date/Time: 18:26, Thu, Sep 27, 2018

Calculation Description: Ex HVAC Altered DHW

OPAQUE SURFACES									
01	70	03	04	90	90	20	80	60	10
Name	euoZ	Construction	Azimuth	Orientation	Orientation Gross Area (ft²)	Window & Door Area (ft²)	Tilt (deg)	Status	Verified Existing Condition
Ţ	House	Wall R0	180	Front	513	186	06	Existing	No
2	esnoH	Wall R0	270	IJЭŢ	330	0	06	Existing	No
3	House	Wall R0	180	Front	513	132	06	Existing	No
4	esnoH	Wall R0	270	¥Р	330	24	06	Existing	No
5	esnoH	Wall R0	270	Left	112	0	06	Existing	No
9	esnoH	Wall R0	06	Right	112	0	06	Existing	No
2	esnoH	Wall R0	180	Front	120	24	06	Existing	No
8	esnoH	Wall R0	270	Left	136	0	06	Existing	No
6	esnoH	Wall R0	0	Back	96	0	06	Existing	No
10	esnoH	Wall R0	06	Right	136	6	06	Existing	No
DIVIDING WALL TO ADDITION	House>>Addition	Interior R0			81	0		New	n/a
Ceiling (below attic)	House	R-0			1638			Existing	No
ADD WALL 1	Addition	R-15 WALLS	270	Left	520	83	06	New	n/a
ADD WALL 2	Addition	R-15 WALLS	0	Back	504	92	06	New	n/a
ADD WALL 3	Addition	R-15 WALLS	06	Right	540	16	06	New	n/a
ADD WALL 4	Addition	R-15 WALLS	180	Front	150	0	06	New	n/a
Addition Ceiling	Addition	Ceiling R19			299			New	n/a

АТІС									
01	02	03	04	90	90	20	80	60	10
				Roof	Roof	Radiant	Cool		Verified Existing
Name	Construction	Type	Roof Rise	Reflectance	Emittance	Barrier	Roof	Status	Condition
Attic	Asphalt Shingle Roof	Ventilated	9	0.1	0.85	Yes	No	Existing	No
Addtn Attic	Asphalt Shingle Roof	Ventilated	9	0.1	0.85	Yes	No	New	No

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Registration Date/Time: Report Version - CF1R-04302018-1016 SP2

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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: BARNETT ADDITION
Calculation Description: Ex HVAC Altered DHW Input File

Calculation Date/Time: 18:26, Thu, Sep 27, 2018 Input File Name: RANCHITO COMPLIANCE 2.ribd16

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0.80 Insect Screen (default)
0.80 Insect Screen (default) Exterior Width (ft) 7 (Front-180)
7 (Ront-180)
10 (Right-90)
ADD WALL 1 (Left-270)
ADD WALL 1 (Left-270)
ADD WALL 2 (Back-0)
ADD WALL 2 (Back-0)
ADD WALL 2 (Back-0)

Registration Number: CA Building Energy Efficiency Standards - 2016 Resi

Registration Date/Time: Report Version - CF1R-04302018-1016 SP2

itial Compliance

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DESCRIPTION

REVISION CALLOUT:

CONTACT:
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2950 BUSKIRK AVE STE 300
WALNUT CREEK
LIC. NO. 942024
(707) 561 6487 R-#

T24-2

9/27/2018

TITLE 24 PAGE 3-4

A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: BARNETT ADDITION Calculation Description: Ex HVAC Altered DHW Input File Name: RANCHITO COMPLIANCE 2.ribd16

OPAQUE DOORS								
10		02		03	04	20.0	92	90
Name		Side of Building		Area (ft²)	U-factor	tor	Status	Verified Existing Condition
D01		1		35.0	0.50	0	Existing	No
D01-2		ĵ		112.0	0.50	0	Existing	No
D01-3		8		35.0	0.50	0	Existing	No
D01-3-2		3		35.0	0.50	0	Existing	No
D01-3-3		3		35.0	0.50	0	Existing	No
D01(N)		ADD WALL 1		35.0	0.28	8	New	No
D01(N)-2		ADD WALL 2		35.0	0.28	8	New	No
OPAQUE SURFACE CONSTRUCTIONS	ICTIONS							
01	02	03	04		05	90		20

						5			
New No		20	Assembly Layers	 Inside Finish: Gypsum Board Cavity / Frame: R-19 in 5-1/2 in. (R-18) / 2x4 Over Ceiling Joists: R-8.9 insul. 	 Inside Finish: Gypsum Board Cavity / Frame: no insul. / 2x4 Exterior Finish: 3 Coat Stucco 	 Inside Finish: Gypsum Board Cavity / Frame: no insul. / 2x4 Other Side Finish: Gypsum Board 	 Inside Finish: Gypsum Board Sheathing / Insulation: R5 Sheathing Cavity / Frame: R-19 in 5-1/2 in. (R-18) / 2x6 Sheathing / Insulation: Wood Siding/sheathing/decking Exterior Finish: 3 Coaf Stucco 	 Cavity / Frame: no insul. / 2x4 Top Chrd Roof Deck: Wood Siding/sheathing/decking Roofing: Light Roof (Asphalt Shingle) 	 Inside Finish: Gypsum Board Cavity / Frame: no insul. / 2x4
		90	Winter Design U-factor	0.051	0.361	0.277	0.049	0.644	0.472
0.28		90	Total Cavity R-value	R 19 in 5-1/2 in. cavity (R-18)	none	none	R 19 in 5-1/2 in. cavity (R-18)	none	none
35.0		04	Framing	2x4 @ 24 in. O.C.	2x4 @ 16 in. O.C.	2x4 @ 16 in. O.C.	2x6 @ 16 in. O.C.	2x4 Top Chord of Roof Truss @ 24 in. O.C.	2x4 @ 16 in. O.C.
ADD WALL 2		03	Construction Type	Wood Framed Ceiling	Wood Framed Wall	Wood Framed Wall	Wood Framed Wall	Wood Framed Ceiling	Wood Framed Ceiling
	CTIONS	02	Surface Type	Ceilings (below attic)	Exterior Walls	Interior Walls	Exterior Walls	Attic Roofs	Ceilings (below attic)
D01(N)-2	OPAQUE SURFACE CONSTRUCTIONS	10	Construction Name	Ceiling R19	Wall R0	Interior R0	R-15 WALLS	Asphalt Shingle Roof	R-0

Registration Number: CA Building Energy Efficiency Standards - 2016 Resic

Registration Date/Time: Report Version - CF1R-04302018-1016 SP2

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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: BARNETT ADDITION
Calculation Description: Ex HVAC Altered DHW Input File

Calculation Date/Time: 18:26, Thu, Sep 27, 2018 Input File Name: RANCHITO COMPLIANCE 2.ribd16

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SEAD TEODING								
01	70	03	04	90	90	20	80	60
Name	zone	Area (ft²)	Perimeter (ft)	Edge Insul. R-value	Carpeted Fraction	Heated	Status	Verified Existing Condition
SLAB ON GRADE EXISING	esnoH	1638	178	None	Į	No	Existing	No
SLAB ON GRADE ADDITION	Addition	299	106	None	Ĭ	No	New	No
MOTESTICATION TO TAKE THE TIME	140							

_			_		
	1	150	83		80
	04	CFM50	n/a		20
					90
	03	Building Envelope Air Leakage	Not Required		05
		Building Envel	Not R		04
		Insulation			
	02	Quality Installation of Spray Foam Insulation	Not Required		03
VERIFICATION		tallation (QII)	pe		02
BUILDING ENVELOPE - HENS VERIFICATION	10	Quality Insulation Installation (QII)	Not Required	WATER HEATING SYSTEMS	01

Verified Existing Condition

Status

Solar Fraction (%)

Number of Heaters

Water Heater

Distribution Type

System Type

		ž	cation bient ition	8	æ	
		12	Tank Location or Ambient Condition	n/a	n/a	
		11	NEEA Heat Pump Brand / Model	n/a	n/a	
		10	First Hour Rating / Flow Rate	n/a	n/a	
		60	Standby Loss / Recovery Eff	e/u	n/a	
		80	Tank Insulation R-value (Int/Ext)	0	0	
		20	Input Rating / Pilot / Thermal Efficiency	40,000 Btu/hr	195,000 Btu/hr	
		90	Uniform Energy Factor / Energy Factor / Efficiency	0.5 EF	0.82 EF	
		90	Tank Volume (gal)	20	0	
		104	Number of Units	1	1	
		03	Tank Type	Small Storage	Small Instantaneous	
		02	Heater Element Type	Gas	Gas	
	WATER HEATERS	01	Nаme	WH	TANKLESS	

Registration Number: CA Building Energy Efficiency Standards - 2016 Resic

Registration Date/Time: Report Version - CF1R-04302018-1016 SP2

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		_	Č	77			
R-#							
TLOUT:	REVISION HISTORY	DESCRIPTION					
REVISION CALLOUT:		ВҮ					
REVIS		DATE					

CONTACT:
CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 300
WALNUT CREEK
LIC. NO. 942024
(707) 561 6487

A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

9/27/2018

TITLE 24 PAGE 5-6

T24-3

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Project Name: BARNETT ADDITION

Calculation Date/Time: 18:26, Thu, Sep 27, 2018

Calculation Description: Ex HVAC Altered DHW

SPACE CONDITIONING SYSTEMS	SMUL						
SPACE CONDITIONING ST	O I EINI O						
01	02	03	04	90	90	20	80
SC Sys Name	System Type	Heating Unit Name	Cooling Unit Name	Fan Name	Distribution Name	Status	Verified Existing Condition
Ex System	Other Heating and Cooling System	Trane 90	Existing Smart Cooling TX-5300	HVAC Fan	Ducts	Existing	ON
(N) MINI SPLIT	Other Heating and Cooling System	MINI SPLIT	MINI SPLIT COOLING	HVAC Fan System DUCTLESS MINI 2 SPLIT	DUCTLESS MINI SPLIT	New	ON
	3						

Ш										Γ
		04	Efficiency	90 AFUE	73 AFUE		80		HERS Verification	The second secon
)6	2		20		Compressor Type	
		03	Number of Units	_			90		Zonally Controlled	
							90	ency	SEER	
			Type	nace	aceFan		04	Efficiency	EER	
		00	System Type	CntrlFurnace	WallFumaceFan		03		Number of Units	
							02		System Type	
	HVAC - HEATING UNIT TYPES	10	Name	Trane 90	MINI SPLIT	HVAC - COOLING UNIT TYPES	10		Name	

Compressor Type Single Speed

Zonally Controlled Not Zonal Not Zonal

EER 11.3

System Type SplitAirCond

> sting Smart Cooling TX-5300 MINI SPLIT COOLING

> 21.5 13

> > 11.7

DuctlessMiniSplitAirCond

HVAC COOLING - HERS VERIFICATION	NOIL				
01	02	03	04	50	90
Name	Verified Airflow	Airflow Target	Verified EER	Verified SEER	Verified Refrigerant Charge
Existing Smart Cooling TX-5300-hers-cool	Not Required	n/a	Not Required	Not Required	Not Required
MINI SPLIT COOLING-hers-cool	Not Required	n/a	Not Required	Not Required	Required

tial Compliance Registration Number: CA Building Energy Efficiency Standards - 2016 Reside

Registration Date/Time: Report Version - CF1R-04302018-1016 SP2

HERS Provider: Report Generated at: 2018-09-27 18:27:28

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD Project Name: BARNETT ADDITION

Calculation Description: Ex HVAC Altered DHW Input File

Calculation Date/Time: 18:26, Thu, Sep 27, 2018 Input File Name: RANCHITO COMPLIANCE 2.ribd16

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HVAC - DISTRIBUTION SYSTEMS	N SYSTEMS								
101	02	03	40	90	90	20	80	60	10
Name	Type	Duct Leakage	Insulation R-value	Supply Duct Location	Return Duct Location	Bypass Duct	Status	Verified Existing Condition	HERS Verification
Ducts	Ducts located in attic (Ventilated and Unventilated)	Existing (not specified)	0.9	Attic	Attic	None	Existing + New	o _N	n/a
DUCTLESS MINI SPLIT	Distribution systems without ducts	Sealed and tested	0	n/a	n/a	None	New	ON	DUCTLESS MINI SPLIT-hers- dist
HVAC DISTRIBUTION	HVAC DISTRIBUTION - HERS VERIFICATION								

01	02	03	04	92	90	20	80
	Duct Leakage	Duct Leakage	Verified Duct	Verified Duct	Buried	Deeply Buried	Low-leakage
Name	Verification	Target (%)	Location	Design	Ducts	Ducts	Air Handler
Ducts-hers-dist	Required	Duct Sealing required if a duct system component, plenum, or air handling unit is altered	Not Required	Not Required	Not Required	Not Required	n/a
HVAC - FAN SYSTEMS & HERS VERIFICATION	RIFICATION						

HVAC - FAN SYSTEMS & HERS VERIFICATION	VERIFICATION				
10		02	03		04
Name		Туре	Fan Power (Watts/CFM)		HERS Verification
HVAC Fan System 2		Single Speed PSC Furnace Fan	0.58		Required
	8.	8		8	
IAQ (Indoor Air Quality) FANS					
01	02	03	04	90	90
				1	

4Q (Indoor Air Quality) FANS						
10	02	03	04	50	90	
Dwelling Unit	IAQ CFM	IAQ Watts/CFM	IAQ Fan Type	IAQ Recovery Effectiveness(%)	HERS Verification	
SFam IAQVentRpt	0	0.25	Default	0	Not Required	

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REVISION CALLOUT: A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

Registration Date/Time: Report Version - CF1R-04302018-1016 SP2

tial Compliance

Registration Number: CA Building Energy Efficiency Standards - 2016 Resi

HERS Provider: Report Generated at: 2018-09-27 18:27:28

CONTACT:
CERLETTI AND KENNEDY
DESIGN BUILD
2950 BUSKIRK AVE STE 300
WALNUT CREEK
LIC. NO. 942024
(707) 561 6487

R-#

DESCRIPTION

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CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Project Name: BARNETT ADDITION
Calculation Description: Ex HVAC Altered DHW
Input File Name: RANCHITO COMPLIANCE 2.ribd16

1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/HERS Certification Identification (If applicable):
City/State/Zip:	Phone:
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
 certify the following under penalty of perjury, under the laws of the State of California: 1 am eligible under Division 3 of the Business and Professions Code to accept responsibility for certify that the energy features and performance specifications identified on this Certificate of Regulations. 3. The building design features or system design features identified on this Certificate of Compliance. 	the following under penalty of perjury, under the laws of the State of California: I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents,
worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.	oproval with this building permit application.
Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed:
Address:	License:
City/State/Zip:	Phone:

Registration Number: CA Building Energy Efficiency Standards - 2016 Reside

Registration Date/Time: Report Version - CF1R-04302018-1016 SP2

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R-#

REVISION CALLOUT:

REVISION HISTORY
DESCRIPTION

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A REMODEL FOR: HUGH BARNETT 2470 RANCHITO DR CONCORD CA

9/27/2018

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