

Building Data Summary

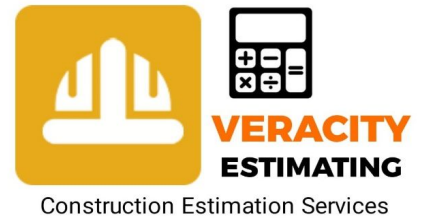
Project ID:	*****
Location:	*****
Scope of Work:	Lumber Breakdown (Wood Works)
Date:	*****



Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity w/ Wastage
DIVISION 06- WOOD, PLASTIC & COMPOSITES						
Doors						
1		(2'-8"x7'-0"x1-3/4") Solid Core Wood Door	EA	1	0%	1
2		(3'-0"x7'-0"x1-3/4") Solid Core Wood Door	EA	3	0%	3
3		(2'-10"x7'-0"x1-3/4") Solid Core Wood Door	EA	2	0%	2
Drywall/ Framing						
1st Floor						
Wall Type "Wood Stud" As; (62 LF, 10'-6" H)						
4		(2"x6") Wood Studs @ 16" O.C.	EA	48	0%	48
5		(4'x8') Plywood Sheathing - 651 SF	EA	20	0%	20
6		(2"x6") Top & Bottom Plate - 10' L	EA	19	0%	19
2nd Floor						
Wall Type "Wood Stud" As; (225 LF, 11'-6" H)						
7		(2"x6") Wood Studs @ 16" O.C.	EA	170	0%	170
8		(4'x8') Plywood Sheathing - 2588 SF	EA	81	0%	81
9		(2"x6") Top & Bottom Plate - 10' L	EA	68	0%	68
Foundation Framing						
Joist						
10		2x6 Floor Joist @ 16" O.C - 541 SF	LF	448	0%	448
11		2x6 Floor Joist @ 16" O.C - 32 LF	EA	14	0%	14
Girder						
12		4x6 Girder - 4' L	EA	23	0%	23
Blocking						
13		2x Blocking @ 24" O.C - 2' L	EA	19	0%	19
Sheathing						
14		(1/2") 4'x8' CDX @ Shear Wall - 215 SF	EA	8	0%	8
15		(5/8") 4'x8' CDX @ Shear Wall - 23 SF	EA	1	0%	1
16		4'x8' Plywood Sheathing @ Floor - 541 SF	EA	17	0%	17
2nd Floor Framing						
Post						
17		2x Stitchnailed - 11' H.	EA	11	0%	11
18		3x6 Post - 11' H	EA	18	0%	18
19		4x6 Post - 11' H.	EA	12	0%	12
20		6x6 Post - 11' H.	EA	19	0%	19
21		6x8 Post - 11' H.	EA	2	0%	2
Joist						
22		16" TJI 210 Floor Joist @ 16" O.C - 842 SF	LF	636	0%	636
23		16" TJI 210 Floor Joist @ 16" O.C - 26' LF	EA	12	0%	12
24		16" TJI 210 Floor Joist @ 16" O.C - 22' LF	EA	6	0%	6
25		16" TJI 210 Floor Joist @ 16" O.C - 20' LF	EA	3	0%	3
26		16" TJI 210 Floor Joist @ 16" O.C - 18' LF	EA	5	0%	5
27		16" TJI 210 Floor Joist @ 16" O.C - 14' LF	EA	3	0%	3
28		16" TJI 560 Floor Joist @ 12" O.C - 863 SF	LF	864	0%	864
29		16" TJI 560 Floor Joist @ 12" O.C - 14' LF	EA	1	0%	1
30		16" TJI 560 Floor Joist @ 12" O.C - 2' LF	EA	12	0%	12
31		16" TJI 560 Floor Joist @ 12" O.C - 24' LF	EA	2	0%	2
32		16" TJI 560 Floor Joist @ 12" O.C - 38' LF	EA	14	0%	14
33		16" TJI 560 Floor Joist @ 12" O.C - 4' LF	EA	14	0%	14
34		16" TJI 560 Floor Joist @ 12" O.C - 6' LF	EA	29	0%	29
35		16" TJI 560 Floor Joist @ 12" O.C - 8' LF	EA	2	0%	2
36		2x12 Deck Joist @ 16" O.C - 85 SF	LF	66	0%	66
37		2x12 Deck Joist @ 16" O.C - 6' LF	EA	11	0%	11

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Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity w/ Wastage
		Beam				
		3-1/2"x16" LVL Flush Beam				
38		3-1/2"x16" LVL Flush Beam - 11' L	EA	2	0%	2
39		3-1/2"x16" LVL Flush Beam - 13' L	EA	2	0%	2
40		3-1/2"x16" LVL Flush Beam - 7' L	EA	2	0%	2
		4"x12" Flush Beam				
41		4"x12" Flush Beam - 15' L	EA	1	0%	1
		5-1/4"x16" LVL Flush Beam				
42		5-1/4"x16" LVL Flush Beam - 7' L	EA	2	0%	2
43		5-1/4"x16" LVL Flush Beam - 9' L	EA	1	0%	1
44		5-1/4"x16" LVL Flush Beam - 14' L	EA	1	0%	1
45		5-1/4"x16" LVL Flush Beam - 11' L	EA	1	0%	1
		6"x10" Flush Beam				
46	A2.1-A4.2 & S1.0-S3.0	6"x10" Flush Beam - 14' L	EA	1	0%	1
		7"x16" LVL Flush Beam				
47		7"x16" LVL Flush Beam - 14' L	EA	1	0%	1
48		7"x16" LVL Flush Beam - 16' L	EA	2	0%	2
		Header				
		6x12 Header				
49		6x12 Header - 3' L	EA	2	0%	2
50		6x12 Header - 7' L	EA	1	0%	1
51		6x12 Header - 15' L	EA	1	0%	1
		6x10 Header				
52		6x10 Header - 6' L	EA	1	0%	1
53		6x10 Header - 13' L	EA	1	0%	1
		6x8 Header				
54		6x8 Header - 3' L	EA	2	0%	2
55		6x8 Header - 5' L	EA	7	0%	7
56		6x8 Header - 17' L	EA	1	0%	1
		6x6 Header				
57		6x6 Header - 3' L	EA	4	0%	4
58		6x6 Header - 6' L	EA	2	0%	2
		Blocking				
		2X Solid Wood Blocking @ 24" O.C				
59		2X Solid Wood Blocking @ 24" O.C - 2' L	EA	109	0%	109
		Sheathing				
60		(1/2") 4'x8' CDX @ Shear Wall - 828 SF	EA	26	0%	26
61		(5/8") 4'x8' CDX @ Shear Wall - 207 SF	EA	6	0%	6
62		4'x8' Plywood Sheathing @ Floor - 1790 SF	EA	56	0%	56
		Rafter				
63		Arched Rafter Cut From 2x12 Material - 32 SF	LF	20	0%	20
64		Arched Rafter Cut From 2x12 Material - 10' L	EA	2	0%	2
65		1-3/4"x16" LVL Ripped Roof Rafter @ 24"O.C - 311 SF	LF	200	0%	200
66		1-3/4"x16" LVL Ripped Roof Rafter @ 24"O.C - 2' L	EA	6	0%	6
67		1-3/4"x16" LVL Ripped Roof Rafter @ 24"O.C - 4' L	EA	32	0%	32
68		1-3/4"x16" LVL Ripped Roof Rafter @ 24"O.C - 6' L	EA	10	0%	10
		Railing				
69		(2x6) Wooden Railing Cap - 10' L	EA	10	0%	10
		Roof Framing				
		Post				
70		4x Post - 11'-6" H	EA	17	0%	17
71		4x6 Post - 11'-6" H	EA	4	0%	4
72		6x6 Post - 11'-6" H	EA	5	0%	5
		Joist				
73		14" TJI 210 Roof Joist @ 16"O.C - 878 SF	LF	690	0%	690
74		14" TJI 210 Roof Joist @ 16"O.C - 30' L	EA	15	0%	15

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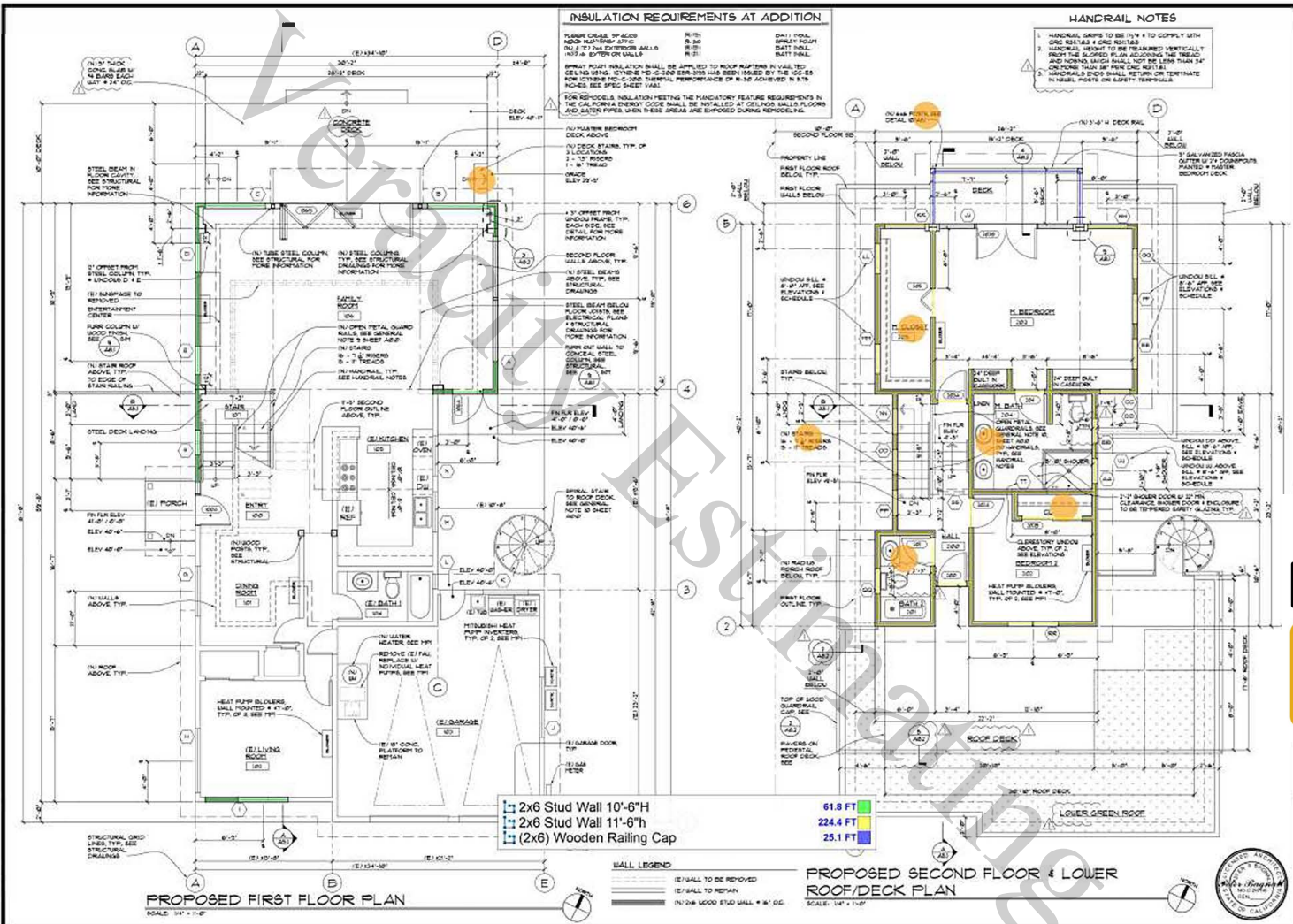
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Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity w/ Wastage
75		14" TJI 210 Roof Joist @ 16" O.C - 20' L	EA	12	0%	12
76		11-7/8" TJI 360 Roof Joist @ 16" O.C - 387 SF	LF	322	0%	322
77		11-7/8" TJI 360 Roof Joist @ 16" O.C - 2' L	EA	7	0%	7
78		11-7/8" TJI 360 Roof Joist @ 16" O.C - 4' L	EA	8	0%	8
79		11-7/8" TJI 360 Roof Joist @ 16" O.C - 6' L	EA	20	0%	20
80		11-7/8" TJI 360 Roof Joist @ 16" O.C - 26' L	EA	6	0%	6
		Beam				
		3-1/2"x11-7/8" LVL Beam				
81		3-1/2"x11-7/8" LVL Beam - 4' L	EA	1	0%	1
82		3-1/2"x11-7/8" LVL Beam - 5' L	EA	2	0%	2
83		3-1/2"x11-7/8" LVL Beam - 7' L	EA	2	0%	2
		5-1/4"x11-7/8" LVL Flush Beam				
84		5-1/4"x11-7/8" LVL Flush Beam - 4' L	EA	1	0%	1
85		5-1/4"x11-7/8" LVL Flush Beam - 14' L	EA	1	0%	1
		Header				
		6x6 Header				
86		6x6 Header - 3' L	EA	13	0%	13
87		6x6 Header - 5' L	EA	3	0%	3
		6x10 Header				
88		6x10 Header - 7' L	EA	2	0%	2
		Blocking				
89		2x Blocking @ 24" O.C - 2' L	EA	64	0%	64
		Sheathing				
90		(1/2") 4'x8' CDX @ Shear Wall - 874 SF	EA	27	0%	27
91		4'x8' Plywood Sheathing @ Roof - 1265 SF	EA	40	0%	40

Veracity Estimating

Peter Baggett, William Baggett Architects 9/14/2023 4:13 PM 0804-21.dwg



INSULATION REQUIREMENTS AT ADDITION

FLOOR CEILING SPACES R-10
 ROOF RAFTERS/STYCE R-30
 1/2" x 2" x 24" EXTERIOR WALLS R-11
 1/2" x 2" x 24" EXTERIOR WALLS R-11
 SPURRY ROOF INSULATION SHALL BE APPLIED TO ROOF RAFTERS IN VALLED CELLS WITH 1" THICK 2" x 2" DIMENSIONAL INSULATION. THE 2" x 2" DIMENSIONAL INSULATION SHALL BE INSTALLED AT CELLS AND SHALL BE 1" x 2" x 24" DIMENSIONAL INSULATION. THE 2" x 2" DIMENSIONAL INSULATION SHALL BE INSTALLED AT CELLS AND SHALL BE 1" x 2" x 24" DIMENSIONAL INSULATION. THE 2" x 2" DIMENSIONAL INSULATION SHALL BE INSTALLED AT CELLS AND SHALL BE 1" x 2" x 24" DIMENSIONAL INSULATION.

HANDRAIL NOTES

- HANDRAIL GRIPS TO BE 1 1/4" x 4" TO COMPLY WITH ADA 308.2.3.1 & 308.2.3.2
- HANDRAIL HEIGHT TO BE MAINTAINED VERTICALLY FROM THE FINISHED FLOOR FINISH TO THE TOP OF THE HANDRAIL. HANDRAILS SHALL NOT BE LESS THAN 1 1/4" ABOVE FINISH FLOOR FINISH TO THE TOP OF THE HANDRAIL.
- HANDRAIL ENDS SHALL RETURN OR TERMINATE IN WALL, COLUMN OR BALUST TERMINAL.

PROPOSED FIRST FLOOR PLAN
 SCALE: 1/4" = 1'-0"

PROPOSED SECOND FLOOR & LOWER ROOF/DECK PLAN
 SCALE: 1/4" = 1'-0"

- 2x6 Stud Wall 10'-6" H
- 2x6 Stud Wall 11'-6" H
- (2x6) Wooden Railing Cap

- 61.8 FT
- 224.4 FT
- 25.1 FT

WALL LEGEND

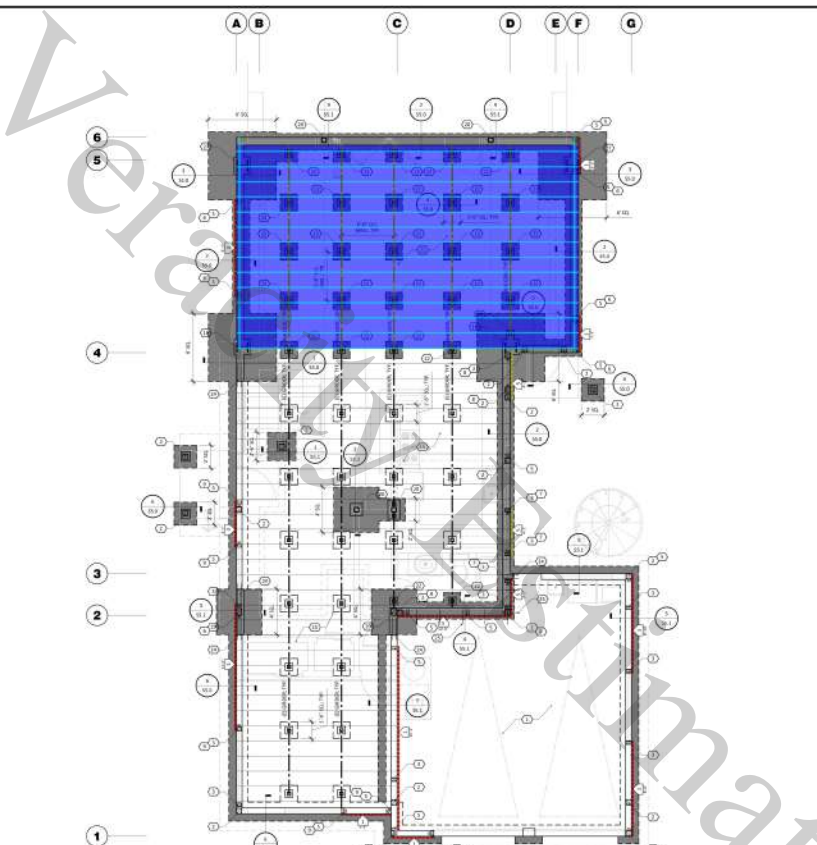
(1) WALL TO BE REMOVED
(2) WALL TO REMAIN
(3) 12" CONCRETE STUD WALL 8" x 8" CG

WILLIAMS S. BAGNALL ARCHITECTS INC.
 ARCHITECTS & PLANNERS
 159 Mission Street, Suite 200, Oakland, CA 94612
 (415) 435-0071



DATE: 09/14/23
 JOB: 0804
 REVISIONS: PLAN CHECK 9/14/23
 SHEET: A2.1 OF 09

Construction Estimation Services



- FOUNDATION NOTES:**
1. REFER TO CONCRETE SPECIFICATIONS FIRST 500.
 2. ALL FOUNDATION WORK SHALL BE CONFORMED TO THE FOUNDATION AND FOOTING CODE, LATEST EDITION, AND ALL APPLICABLE AND SUPPLEMENTARY. VERIFY ALL UNDERGROUND UTILITIES AND RECORD DRAWINGS BEFORE CONSTRUCTION. VERIFY ALL UNDERGROUND UTILITIES AND RECORD DRAWINGS BEFORE CONSTRUCTION.
 3. FOUNDATION CONCRETE MANUFACTURED BY SUNBELT CONCRETE, SULLY LA, AND CONTROLLED REINFORCEMENT SHALL BE SUPPLIED BY THE FOUNDATION CONTRACTOR. VERIFY ALL UNDERGROUND UTILITIES AND RECORD DRAWINGS BEFORE CONSTRUCTION.
 4. FOUNDATION CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SPACING OF REINFORCEMENT. VERIFY ALL UNDERGROUND UTILITIES AND RECORD DRAWINGS BEFORE CONSTRUCTION.
 5. FOUNDATION CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SPACING OF REINFORCEMENT. VERIFY ALL UNDERGROUND UTILITIES AND RECORD DRAWINGS BEFORE CONSTRUCTION.
 6. CONTRACTOR SHALL NOTIFY THE ENGINEER, ONCE FOUNDATION HAS BEEN LAYED OUT, BEFORE PROCEEDING WITH THE REMAINING WORK.

1/2" CDX 2'-6" h	85.6 FT
5/8" CDX 2'-6" H	8.3 FT
2x6 Floor Joist @ 16" O.C	541.0 SQ FT
Standard Joist	422.4 FT
4x6 Girder	89.7 FT
2X Solid Wood Blocking	37.7 FT

KEYED NOTES

DESCRIPTION	DETAIL
1. EXISTING SURFACE SLAB TO REMAIN	
2. 4x6 POST	
3. POST ABOVE	
4. 4x6 POST ON WALL IS DETACHED BY 60MMx60MM TRIMMER AT 6" O.C.	
5. HEAD-TO-TO HOLD-DOWN W/ STUDS AND ANCHOR BOLT	45A3
6. HEAD-TO-TO HOLD-DOWN W/ STUDS AND ANCHOR BOLT	45A3
7. HEAD-TO-TO HOLD-DOWN W/ STUDS AND ANCHOR BOLT	45A3
8. HEAD-TO-TO HOLD-DOWN W/ STUDS AND ANCHOR BOLT	45A3
9. HEAD-TO-TO HOLD-DOWN W/ STUDS AND ANCHOR BOLT	45A3
10. ARCHES MATTERS OUT FROM 2x12 MATERIAL	
11. 1/2" TO 3/4" FLOOR JOIST AT 16" O.C.	
12. 1/2" TO 3/4" FLOOR JOIST AT 16" O.C.	
13. 1/2" TO 3/4" FLOOR JOIST AT 16" O.C.	
14. 1/2" TO 3/4" FLOOR JOIST AT 16" O.C.	
15. EXISTING FLOOR FINISH TO REMAIN	
16. 2x6 STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A3
17. 2x6 STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A3
18. 2x6 STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A3
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43. 2x6 STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A3
44. 2x6 STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A3
45. 2x6 STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A3

PLYWOOD SHEAR SCHEDULE

MEMBER	LOADING	SPACING	MIN. THICKNESS	MAX. THICKNESS	MIN. STRENGTH	MAX. STRENGTH	MIN. STRENGTH	MAX. STRENGTH	MIN. STRENGTH	MAX. STRENGTH
1	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
2	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
3	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
4	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
5	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
6	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
7	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
8	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
9	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
10	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
11	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
12	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
13	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
14	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
15	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
16	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
17	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
18	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
19	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
20	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
21	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
22	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
23	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
24	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
25	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
26	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
27	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
28	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
29	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
30	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
31	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
32	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
33	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
34	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
35	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
36	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
37	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
38	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
39	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
40	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
41	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
42	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
43	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
44	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200
45	1.5	16"	5/8"	1 1/2"	150	200	150	200	150	200

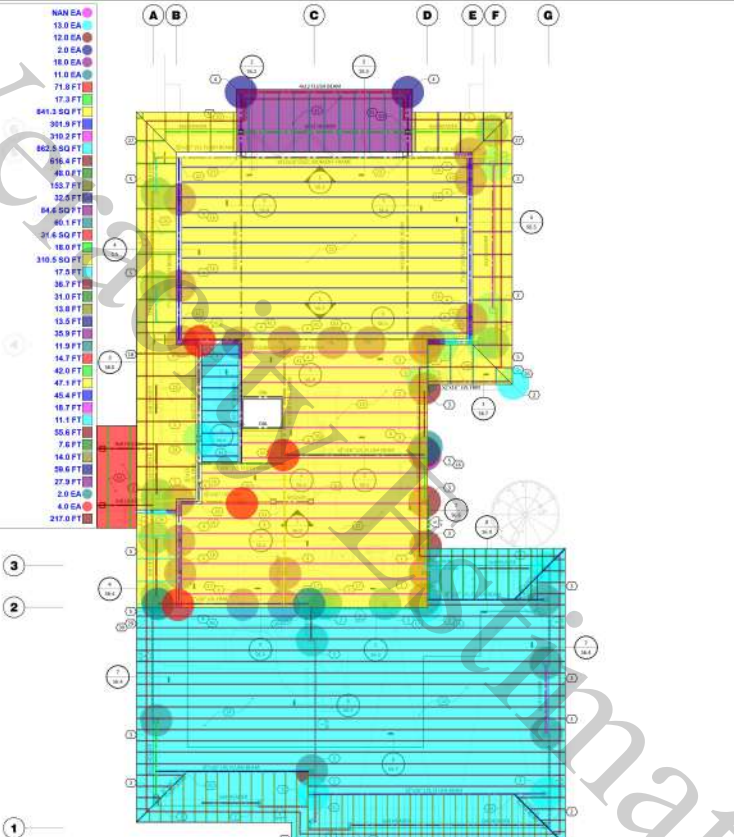
consulting engineers
1000 South Bascom Avenue, Suite 1000
San Jose, CA 95128
Tel: 408.950.8800
Fax: 408.950.8801
www.consultingengineers.com

FOUNDATION PLAN
PROJECT: RPT RESIDENCE
ADDRESS: 301 24TH AVENUE, SANTA CLARA, CA 95050

DATE: APRIL 2022

S1.0

- 6x6 Post 9'h
- 6x6 Post 11'-0" h
- 4x6 Post 11' h
- 6x6 Post 11' h
- 3x6 Post 11' h
- 2x Stichmarked
- 12" CDX
- 5/8" CDX
- 16" TJI 210 Floor Joist @ 16" O.C
- Standard Joist
- 16" TJI 560 Floor Joist @ 12" O.C
- Standard Joist
- Standard Joist
- 2x12 Deck Joist @ 16" O.C
- Standard Joist
- Arched Rafter Cut From 2x12 Material
- Standard Joist
- 1-3/4"x16" LVL Ripped Roof Rafter @ 24" O.C
- Standard Joist
- Standard Joist
- Standard Joist
- Standard Joist
- Standard Joist
- 4x12 Flush Beam
- 6x12 Header
- 5-1/4"x16" LVL Flush Beam
- 7x16" LVL Flush Beam
- 6x10 Header
- 6x8 Header
- 3-1/2"x16" LVL Flush Beam
- 6x10 Flush Beam
- 3-1/2"x16" LVL Flush Beam
- 5-1/4"x16" LVL Flush Beam
- 6x8 Post 11' h
- 6x6 Post 11' h
- 2x Solid Wood Blocking



- FLOOR FRAMING NOTES**
1. REFER TO STRUCTURAL SPECIFICATIONS SHEET 001.
 2. HSB - INDICATES HEADER (TOP OF BEAM ALONG W/ BOTTOM OF JOIST), WHERE APPLICABLE.
 3. FBM - INDICATES FLUSH BEAM (TOP OF BEAM ALONG W/ TOP OF JOIST), WHERE APPLICABLE.
 4. DIMENSIONS ARE TO FACE OF CONCRETE, CONCRETE FOOTING AND FOOTINGS, ETC., UNLESS NOTED OTHERWISE. NOTIFY ARCHITECT OF ANY DISCREPANCIES. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
 5. FRAMING CONNECTIONS MANUFACTURED BY SIMPSON STRONG-TIE, SAN LEANING, CA. ARE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND THESE DRAWINGS. CONTRACTOR SHALL USE MANUFACTURER'S LABEL FOR SIMPSON CONNECTIONS.
 6. PROVIDE DOUBLE FLOOR JOISTS UNDER PARALLEL WALLS AND BLOOMING AT 30" C.C. (APPROX. PER PERMITS WALLS).
 7. ROOF FLOORJOIST SHALL BE 12" TJI 210 OR 16" TJI 560 (SEE SHEET 001). C-0 JOISTS OR BATTLE MEPS PANEL UNLESS NOTED OTHERWISE. FLOOR JOIST WITH 20x24" 4" O.C. JOIST BRACING SHALL BE 16" TJI 560 OR 16" TJI 210. ALL JOIST BRACING SHALL BE 16" TJI 560 OR 16" TJI 210. ALL JOIST BRACING SHALL BE 16" TJI 560 OR 16" TJI 210. ALL JOIST BRACING SHALL BE 16" TJI 560 OR 16" TJI 210.
 8. CONTRACTOR SHALL NOTIFY THE ENGINEER ONCE DEMOLITION HAS OCCURRED. ENGINEER OF RECORD SHALL BE KEPT ADVISED OF THE PROGRESS OF THE DEMOLITION SYSTEM PRIOR TO COMMENCEMENT OF WORK.

KEYED NOTES

KEY	DESCRIPTION	DETAIL
1	EXISTING SURFACE SLAB TO REMAIN	
2	6x6 POST	
3	POST ABOVE	
4	6x6 POST ON WALL. IS NOTCHMADE BY 2X12 WALL STRAGGLED AT 4" O.C.	
5	HEAD-ROOF JOISTDOWN W/ 6" STUDS AND 6" ANCHOR BOLT	45A.0
6	HEAD-ROOF JOISTDOWN W/ 6" STUDS AND 6" ANCHOR BOLT	45A.0
7	HEAD-ROOF JOISTDOWN W/ 6" STUDS AND 6" ANCHOR BOLT	45A.0
8	HEAD-ROOF JOISTDOWN W/ 6" STUDS AND 6" ANCHOR BOLT	45A.0
9	HEAD-ROOF JOISTDOWN W/ 6" STUDS AND 6" ANCHOR BOLT	45A.0
10	HEAD-ROOF JOISTDOWN W/ 6" STUDS AND 6" ANCHOR BOLT	45A.0
11	12" TJI 210 FLOOR JOIST @ 16" O.C.	
12	12" TJI 210 FLOOR JOIST @ 16" O.C.	
13	12" TJI 210 FLOOR JOIST @ 16" O.C.	
14	12" TJI 210 FLOOR JOIST @ 16" O.C.	
15	12" TJI 210 FLOOR JOIST @ 16" O.C.	
16	ARCHED RAFTERS CUT FROM 2X12 MATERIAL	
17	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
18	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
19	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
20	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
21	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
22	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
23	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
24	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
25	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
26	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
27	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
28	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
29	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
30	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
31	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
32	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
33	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
34	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
35	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
36	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
37	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
38	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
39	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
40	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
41	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
42	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
43	EMOTION STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0

PERMITTED SHEAR SCHEDULE

MEMBER TYPE	ALLOWABLE SHEAR (KIP)	DESIGN STRENGTH (KIP)	DESIGN STRENGTH (KIP)	DESIGN STRENGTH (KIP)	DESIGN STRENGTH (KIP)	DESIGN STRENGTH (KIP)	DESIGN STRENGTH (KIP)	DESIGN STRENGTH (KIP)	DESIGN STRENGTH (KIP)
1	100	100	100	100	100	100	100	100	100
2	100	100	100	100	100	100	100	100	100
3	100	100	100	100	100	100	100	100	100
4	100	100	100	100	100	100	100	100	100
5	100	100	100	100	100	100	100	100	100
6	100	100	100	100	100	100	100	100	100
7	100	100	100	100	100	100	100	100	100
8	100	100	100	100	100	100	100	100	100
9	100	100	100	100	100	100	100	100	100
10	100	100	100	100	100	100	100	100	100
11	100	100	100	100	100	100	100	100	100
12	100	100	100	100	100	100	100	100	100
13	100	100	100	100	100	100	100	100	100
14	100	100	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100	100	100
16	100	100	100	100	100	100	100	100	100
17	100	100	100	100	100	100	100	100	100
18	100	100	100	100	100	100	100	100	100
19	100	100	100	100	100	100	100	100	100
20	100	100	100	100	100	100	100	100	100
21	100	100	100	100	100	100	100	100	100
22	100	100	100	100	100	100	100	100	100
23	100	100	100	100	100	100	100	100	100
24	100	100	100	100	100	100	100	100	100
25	100	100	100	100	100	100	100	100	100
26	100	100	100	100	100	100	100	100	100
27	100	100	100	100	100	100	100	100	100
28	100	100	100	100	100	100	100	100	100
29	100	100	100	100	100	100	100	100	100
30	100	100	100	100	100	100	100	100	100
31	100	100	100	100	100	100	100	100	100
32	100	100	100	100	100	100	100	100	100
33	100	100	100	100	100	100	100	100	100
34	100	100	100	100	100	100	100	100	100
35	100	100	100	100	100	100	100	100	100
36	100	100	100	100	100	100	100	100	100
37	100	100	100	100	100	100	100	100	100
38	100	100	100	100	100	100	100	100	100
39	100	100	100	100	100	100	100	100	100
40	100	100	100	100	100	100	100	100	100
41	100	100	100	100	100	100	100	100	100
42	100	100	100	100	100	100	100	100	100
43	100	100	100	100	100	100	100	100	100

consulting engineers

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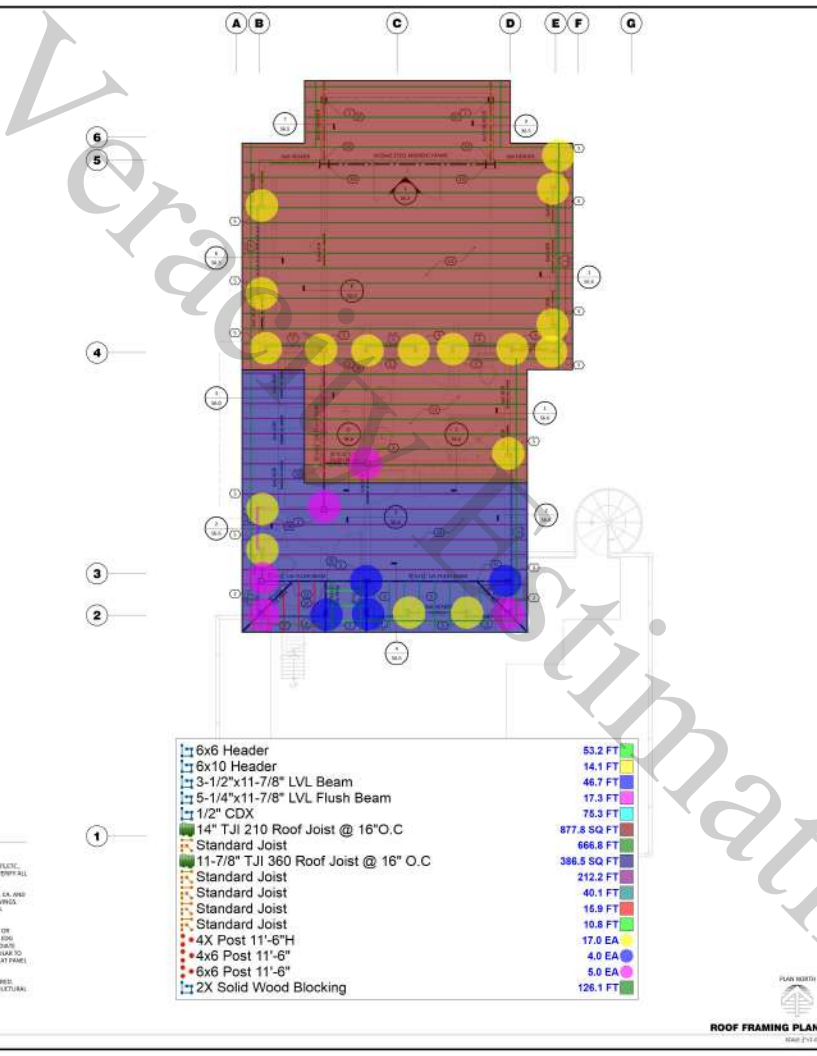
PROJECT: 2ND FLOOR FRAMING PLAN
DATE: APRIL 2022
SCALE: AS SHOWN

DESIGNED BY: [Name]
CHECKED BY: [Name]
APPROVED BY: [Name]

PROJECT: RPT RESIDENCE
ADDRESS: 301 24TH AVENUE, SANTA CLAY, CA 95062

DATE: APRIL 2022
SCALE: AS SHOWN

S2.0



Item	Description	Quantity
1	6x6 Header	53.2 FT
2	6x10 Header	14.1 FT
3	3-1/2"x11-7/8" LVL Beam	46.7 FT
4	5-1/4"x11-7/8" LVL Flush Beam	17.3 FT
5	1/2" CDX	78.3 FT
6	14" TJI 210 Roof Joist @ 16" O.C	877.8 SQ FT
7	Standard Joist	666.6 FT
8	11-7/8" TJI 360 Roof Joist @ 16" O.C	386.5 SQ FT
9	Standard Joist	212.2 FT
10	Standard Joist	40.1 FT
11	Standard Joist	16.9 FT
12	4X Post 11'-6"H	17.0 EA
13	4x6 Post 11'-6"	4.0 EA
14	6x6 Post 11'-6"	5.0 EA
15	2X Solid Wood Blocking	126.1 FT

- ROOF FRAMING NOTES**
- REFER TO STRUCTURAL SPECIFICATIONS SHEET(S).
 - DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE. CENTERLINE NOTING AND PROTECTIVE UNLESS NOTED OTHERWISE. NOTIFY ARCHITECT OF ANY DISCREPANCIES. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLAN BEFORE BEGINNING WORK.
 - FRAMING CONNECTIONS MANUFACTURED BY DUNBRUN CO. SAN LEANDRO, CA AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND THESE DRAWINGS. CONTRACTOR SHALL USE MANUFACTURER'S MANUALS FOR BOLTING CONNECTIONS.
 - ROOF FRAMING SHALL BE SET BY CONCRETE, CENTERLINE NOTING AND PROTECTIVE OR SET BY PANEL UNIFORMITY OF CENTERLINE NOTING AND PROTECTIVE. ALL DIMENSIONS SHALL BE TO FACE UNLESS NOTED OTHERWISE. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLAN BEFORE BEGINNING WORK.
 - CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OCCURRING. ENGINEER BY ACCESS SHALL RESOLVE DISCREPANCY OF THE EXISTING STRUCTURAL SYSTEM PRIOR TO COMMENCEMENT OF WORK.

KEYED NOTES

NO.	DESCRIPTION	DETAIL
1	EXISTING GROUND LINE TO REMAIN	
2	6x6 POST	
3	6x10 POST	
4	POST ABOVE	
5	6x6 POST ON WALL. IS NOTCHES BY 2x6 WALL STRAGGLED AT 4" O.C.	
6	HEAD-SEAL HOLD-DOWN W/ 2x6 ANCHOR BOLT	65A.0
7	HEAD-SEAL HOLD-DOWN W/ 2x6 ANCHOR BOLT	65A.0
8	HEAD-SEAL HOLD-DOWN W/ 2x6 ANCHOR BOLT	65A.0
9	HEAD-SEAL HOLD-DOWN W/ 2x6 ANCHOR BOLT	65A.0
10	HEAD-SEAL HOLD-DOWN W/ 2x6 ANCHOR BOLT	65A.0
11	ARCHED MATTERS CUT FROM 2x12 MATTERS	
12	14" TJI 210 ROOF JOIST @ 16" O.C.	
13	14" TJI 210 ROOF JOIST @ 16" O.C.	
14	14" TJI 210 ROOF JOIST @ 16" O.C.	
15	14" TJI 210 ROOF JOIST @ 16" O.C.	
16	14" TJI 210 ROOF JOIST @ 16" O.C.	
17	EXISTING FLOOR FRAMING TO REMAIN	
18	EXISTING STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
19	WELDER COLUMN	
20	WELDER COLUMN	
21	WELDER COLUMN	
22	WELDER COLUMN	
23	WELDER COLUMN	
24	CONNECT NEW FOOTING TO EXISTING W/ 2x6 JOIST & 2x6 LONG SPONG BRACKET EXISTING FOOTING. ALL 4" W/ 4" EMBEDMENT IN CONCRETE. 2" LONG AT 24" O.C. EVERY JOIST INTO EXISTING SLAB AND 2" W/ 4" EMBEDMENT.	
25	1/2" CDX 1/8" NIPPLE BRUSH ROOFING AT 24" O.C.	
26	WELDER COLUMN	
27	WELDER COLUMN	
28	EXISTING STRIP FROM POST ABOVE TO POST OR BEAM BELOW	65A.0
29	6x6 POST	
30	HEAD-SEAL MOUNT HANGER WELDED TO STEEL	
31	HEAD-SEAL MOUNT HANGER WELDED TO STEEL	
32	HEAD-SEAL MOUNT HANGER. USED MOUNT HANGER AT APPLICABLE	
33	HEAD-SEAL MOUNT HANGER. USED MOUNT HANGER AT APPLICABLE	
34	HEAD-SEAL MOUNT HANGER. USED MOUNT HANGER AT APPLICABLE	
35	HEAD-SEAL MOUNT HANGER. USED MOUNT HANGER AT APPLICABLE	
36	HEAD-SEAL MOUNT HANGER. USED MOUNT HANGER AT APPLICABLE	
37	HEAD-SEAL MOUNT HANGER. USED MOUNT HANGER AT APPLICABLE	
38	HEAD-SEAL MOUNT HANGER. USED MOUNT HANGER AT APPLICABLE	
39	HEAD-SEAL MOUNT HANGER. USED MOUNT HANGER AT APPLICABLE	
40	HEAD-SEAL MOUNT HANGER. USED MOUNT HANGER AT APPLICABLE	
41	HEAD-SEAL HOLD-DOWN W/ 2x6 ANCHOR BOLT. ALL THROUGH WELDED TO W/ 2x6 ANCHOR BOLT.	65A.0
42	CUSTOM WELDED BRACKET	65B.0
43	2x12 JOIST ABOVE AT 24" O.C.	

ALUMINUM MEMBER SCHEDULE

MEMBER	DESCRIPTION	SECTION	SIZE	WEIGHT PER LINEAL FOOT	SPACING	AREA	PERCENT OF AREA
1	6x6 Header	6x6	6" x 6"	11.2	16'	199.2	1.0
2	6x10 Header	6x10	6" x 10"	17.0	14.1'	239.7	1.2
3	3-1/2"x11-7/8" LVL Beam	3-1/2" x 11-7/8"	3-1/2" x 11-7/8"	46.7	46.7'	1700.0	8.4
4	5-1/4"x11-7/8" LVL Flush Beam	5-1/4" x 11-7/8"	5-1/4" x 11-7/8"	17.3	17.3'	299.1	1.5
5	1/2" CDX	1/2" CDX	1/2" x 80'	78.3	78.3'	6264.0	30.8
6	14" TJI 210 Roof Joist @ 16" O.C	14" TJI 210	14" x 210'	877.8	877.8'	76665.6	372.0
7	Standard Joist	Standard Joist	666.6'	666.6	666.6'	57000.0	275.0
8	11-7/8" TJI 360 Roof Joist @ 16" O.C	11-7/8" TJI 360	11-7/8" x 360'	386.5	386.5'	33885.0	162.0
9	Standard Joist	Standard Joist	212.2'	212.2	212.2'	18338.4	88.0
10	Standard Joist	Standard Joist	40.1'	40.1	40.1'	3458.4	16.5
11	Standard Joist	Standard Joist	16.9'	16.9	16.9'	1447.2	7.0
12	4X Post 11'-6"H	4X Post 11'-6"	17.0	17.0	17.0'	144.0	0.7
13	4x6 Post 11'-6"	4x6 Post 11'-6"	4.0	4.0	4.0'	33.6	0.2
14	6x6 Post 11'-6"	6x6 Post 11'-6"	5.0	5.0	5.0'	41.4	0.2
15	2X Solid Wood Blocking	2X Solid Wood Blocking	126.1	126.1	126.1'	1074.0	5.1

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Roof Framing Plan
PROJECT: RPT RESIDENCE
ADDRESS: 301 24TH AVENUE, SANTA CRUZ, CA 95062

DATE: APRIL 2022

S3.0