GENERAL CRITERIA

APPLYING TO ALL STRUCTURAL FEATURES UNLESS OTHERWISE SHOWN OR NOTED.

1. GENERAL

A. WHERE PUBLIC UTILITY LINES OR EQUIPMENT MUST BE REMOVED, AND/OR RELOCATED, OBTAIN THE NECESSARY APPROVALS FROM WATER AND POWER DEPARTMENT PRIOR TO STARTING WORK.

B. NECESSARY PERMITS FROM PUBLIC WORKS SHALL BE SECURED AND NECESSARY BARRIERS, PROTECTION FENCES, AND/OR CANOPIES SHALL BE ERECTED ALONG PUBLIC WAYS PRIOR TO STARTING CONSTRUCTION.

C. SEPARATE MECHANICAL PERMIT SHALL BE SECURED FOR ALL ELECTRICAL, PLUMBING, AND HEATING–VENTILATING WORK.

D. STRUCTURAL ELEMENTS (INCLUDING WALLS AND FOOTINGS) WHICH PROJECT INTO PUBLIC PROPERTY REQUIRE PUBLIC WORKS APPROVAL PRIOR TO ISSUANCE OF BUILDING PERMIT.

E. BREAKS IN ROOFING SHALL BE PATCHED.

F. PLANS AND DETAILS WERE DEVELOPED BASED UPON A FIELD INVESTIGATION BY THE RESPONSIBLE ARCHITECT/ENGINEER AND REFLECT THE APPROXIMATE ACTUAL CONDITIONS OF THE BUILDING. ALL DIMENSIONS SHALL BE FIELD VERIFIED.

G. BUILDING SHALL NOT BE OCCUPIED DURING REMODEL WORK WHERE:

1. THE BUILDING STRENGTH IS SUBSTANTIALLY WEAK ANY POINT DURING THE REMODEL WORK.
2. REQUIRED EXITS ARE NOT AVAILABLE OR ARE OBSTRUCTED.
3. REQUIRED FIRE SAFETY DEVICES, SUCH AS SPRINKLERS, STANDPIPES AND ALARM SYSTEM ARE NOT OPERATIONAL. NOT OPERATIONAL.

2. REFERENCE TO OTHER DRAWINGS

A. SEE DRAWINGS OTHER THAN STRUCTURAL FOR: KINDS OF FLOOR FINISH AND THEIR LOCATION, FOR DEPRESSIONS IN FLOOR SLABS, FOR OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND MECHANICAL FEATURES, FOR ROADWAY PAVING, WALKS, RAMPS, STAIRS, CURBS, ETC.

B. DUCTS, PIPING AND VENTILATION SHALL BE CHECKED BY THE CONTRACTOR WHO SHALL VERIFY SIZES AND LOCATIONS OF SUCH HOLES HOLES AND OPENINGS THROUGH WALLS, BEAMS AND FLOOR FOR ELEVATORS, OR OPENINGS WITH THE PLUMBING, HEATING, VENTILATING AND ELECTRICAL DRAWINGS AND THESE SUB–CONTRACTORS.

3. INTENT

OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE DRAWINGS

4. DISCREPANCIES

THE CONTRACTOR SHALL COORDINATE STRUCTURAL DRAWINGS WITH OTHER DRAWINGS FOR INDIVIDUAL ITEMS. DISCREPANCIES UNCOVERED, IF ANY, SHALL BE REPORTED BEFORE PROCEEDING WITH THE WORK SO THAT PROPER ADJUSTMENT CAN BE MADE.

5. ALL NEW CONSTRUCTION MUST BE COORDINATED WITH EXISTING SITE CONDITIONS.

6.1 REINFORCING

A. ALL REINFORCING STEEL SHALL BE GRADE 60 (FY = 60 KSI) FOR #4 AND LARGER, GRADE 40 FOR #3 AND SMALLER DEFORMED BARS, IN ACCORDANCE WITH ASTM A615 AND WITH DEFORMATIONS CONFORMING TO ASTM A305–56T. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185, UNLESS NOTED OTHERWISE. REINFORCING STEEL TO BE WELDED TO MEET ASTM A706 REQUIREMENTS

B. ALL REINFORCEMENT SHALL BE CONTINUOUS. STAGGER SPLICES WHERE POSSIBLE. LAPS FOR SPLICES SHALL BE 48 DIAMETERS UNLESS OTHERWISE SHOWN OR NOTED.

C. SUPPORT REINFORCEMENT IN ITS TRUE HORIZONTAL AND VERTICAL POSITION WITH DEVICES SUFFICIENTLY NUMEROUS TO PERMIT WALKING ON STEEL WITHOUT DISPLACEMENT.

D. ALL REINFORCEMENT SHALL BE SECURELY WIRED TOGETHER IN FORMS. TWO WAY MATS OF STEEL SHALL BE TIED AT ALTERNATE INTERSECTIONS BOTH WAYS MINIMUM. WALL STEEL SPREADERS SHALL BE #3 BARS, 4'–0" EACH WAY MAXIMUM.

E. TACK WELDING OF ANY REINFORCING IS NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN WRITING.

6.2 STRUCTURAL AND MISCELLANEOUS STEEL

A. FABRICATION AND ERECTION TO BE IN ACCORDANCE WITH LATEST AISC, SPECIFICATION, STRUCTURAL STEEL SHALL BE ASTM A992, EXCEPT TUBE COLUMNS WHICH ARE ASTM A500, GRADE B.

B. ALL WELDING SHALL BE PERFORMED WITH E–70 ELECTRODES BY WELDERS CERTIFIED TO COMPLETE THE WELDS SPECIFIED ON THESE PLANS. ALL WELDING SHALL CONFORM TO THE STRUCTURAL WELDING CODE (AWS–D1.1–940) OF THE AMERICAN WELDING SOCIETY.

C. ALL PLATES, ETC. TO BE BOLTED TO CONCRETE ELEMENT, SHALL NOT BE FABRICATED UNTIL THE BOLTS HAVE BEEN LOCATED IN THE FIELD.

D. BOLTS SHALL BE ASTM A307 TYPE. THREADS MAY BE INCLUDED IN THE SHEAR PLANES.

E. STEEL TO BE SHOP PRIMED FOR, EXCEPT WHERE EMBEDDED IN CONCRETE OR TO BE WELDED.

F. ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY AN INDEPENDENT INSPECTOR APPROVED BY THE BUILDING DEPARTMENT

7. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT–CLEAR DISTANCE

A. FOOTINGS, TIE BEAMS, GRADE BEAMS, 3 INCHES
SLABS ON GRADE

B. WALLS, PEDESTALS 2 INCHES AT FORMED FACE AGAINST EARTH OR WATER
1 1/2 INCHES AT EXTERIOR FACE ABOVE GRADE
1 INCH AT INTERIOR FACE ABOVE GRADE AT WALLS.
1 1/2" AT COLS AND BEAMS.

8. CONCRETE

A. BASIS FOR DESIGN STRENGTH AT 28 DAYS:
POURED IN PLACE f'_c=2,500 PSI N.W.C.
N.W.C. = NORMAL WEIGHT CONCRETE.

B. ALL CONCRETE SHALL BE REINFORCED UNLESS SPECIFICALLY MARKED "NOT REINFORCED"

C. AGGREGATE SIZE 3/4" MAX EXCEPT AT FOOTINGS WHERE IT IS TO BE 1–1/2" MAX.

9. TO OBVIATE SHRINKAGE, LIMIT SLAB–ON–GRADE POURS TO 3600 SQ.FT. AND WALLS TO 60' LENGTHS. POURS ON METAL DECK TO BE LIMITED TO AREAS 90'X90'. SUBMIT LAYOUTS FOR APPROVAL PRIOR TO ALL POURS TO OWNER'S REPRESENTATIVE. CONTROL JOINTS SHALL OCCUR AT 20'–0" O.C. EACH WAY.

10. SLAB ON GRADE

SEE PLANS FOR SPECIFIC NOTES

11.1 LUMBER

A. UNMANUFACTURED FRAMING LUMBER SHALL BE DOUGLAS FIR/LARCH NO. 2 OR NO. 1 AND GRADE PER PLAN MARKED PER WCLB SPECIFICATIONS. MANUFACTURED LUMBER SHALL BE PER MANUFACTURER OF MICROLLAM LVL AND PARALLAM PSL MEMBER.

B. STRUCTURAL PLYWOOD SHALL BE DOUGLAS FIR CONFORMING TO COMMERCIAL STANDARDS PSI–74, STRUCTURAL EXTERIOR TYPE GRADE C–D. GRADE. STAMPED APA. STRUCTURAL EXTERIOR TYPE GRADE C–D, GRADE

C. NAILING SHALL CONFORM TO THE BUILDING CODE UNLESS OTHERWISE NOTED. SUBSTITUTIONS FOR FRAMING HARDWARE SHALL NOT USED UNLESS APPROVED BY FRAMING HARDWARE SHALL NOT BE USED UNLESS THE ARCHITECT/ENGINEER.

D. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED UNLESS SPECIFICALLY SHOWN, NOTED OR APPROVED BY THE ARCHITECT/ENGINEERS.

E. USE DOUBLE JOISTS UNDER WALLS OR PARTITIONS PARALLEL TO JOISTS. USE SOLID BLOCK UNDER PARTITIONS PERPENDICULAR TO JOIST.

F. MAXIMUM MOISTURE CONTENT SHALL NOT EXCEED 19% FOR UNMANUFACTURED ALL STRUCTURAL MEMBERS.

G. PROVIDE WASHERS UNDER HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD.

H. HARDWARE TO BE PER SIMPSON OR EQUIVALENT

11.2 LUMBER NOTES

ALL LUMBER SHALL HAVE MOISTURE CONTENT NOT EXCEEDING 19% PRIOR TO INSTALLATION.

2X4 STUD SHALL BE DOUGLAS FIR LARCH STANDARD GRADE OR BETTER.
2X6 STUD SHALL BE DOUGLAS FIR LARCH #2 OR BETTER.
TOP AND SOLE PLATES SHALL BE DOUGLAS FIR LARCH $2 OR BETTER
4X OR 6X POST SHALL BE DOUGLAS FIR LARCH #1 OR BETTER.
2X JOIST SHALL BE DOUGLAS FIR LARCH #2 OR BETTER.
4X BEAM SHALL BE DOUGLAS FIR LARCH #1 OR BETTER.
ALL PSL AND LVL MEMBER SHALL BE 2.0E.

12 EPOXY SYSTEM

PROVIDE SIMPSON SET–XP ADHESIVE SYSTEM FOR EPOXY ANCHOR (ICC–ESR 2508).

13 SOIL DESIGN PARAMETERS

PER CBC 2016, CHAPTER 18 : SOIL BEARING – 1500 PSF

NAILING SCHEDULE

TABLE 2304.10.1 FASTENING SCHEDULE

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
Roof		
1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below	3-8d common (2½" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each end, toenail
Blocking between rafters or truss not at the wall top plate, to rafter or truss	2-8d common (2½" × 0.131") 2-3" 14 gage staples	Each end, toenail
	2-16 d common (3½" × 0.162") 3-3" × 0.131" nails 3-3" 14 gage staples	End nail
Flat blocking to truss and web filler	16d common (3½" × 0.162") @ 6" o.c. 3" × 0.131" nails @ 6" o.c. 3" × 14 gage staples @ 6" o.c	Face nail
2. Ceiling joists to top plate	3-8d common (2½" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each joist, toenail
3. Ceiling joist not attached to parallel rafter, laps over partitions (no thrust) (see Section 2308.7.3.1, Table 2308.7.3.1)	3-16d common (3½" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
4. Ceiling joist attached to parallel rafter (heel joint) (see Section 2308.7.3.1, Table 2308.7.3.1)	Per Table 2308.7.3.1	Face nail
5. Collar tie to rafter	3-10d common (3" × 0.148"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
6. Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5)	3-10 common (3" × 0.148"); or 3-16d box (3½" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131 nails; or 4-3" 14 gage staples, 7/16" crown	Toenail[c]
7. Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam	2-16d common (3½" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown; or	End nail
	3-10d common (3½" × 0.148"); or 3-16d box (3½" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Toenail

(continued)

TABLE 2304.10.1—continued FASTENING SCHEDULE

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
Wall		
8. Stud to stud (not at braced wall panels)	16d common (3½" × 0.162"); 10d box (3" × 0.128"), or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	24" o.c. face nail 16" o.c. face nail
9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d common (3½" × 0.162"); or	16" o.c. face nail
	16d box (3½" × 0.135"); or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	12" o.c. face nail
10. Built-up header (2" to 2" header)	16d common (3½" × 0.162"); or	16" o.c. each edge, face nail
	16d box (3½" × 0.135")	12" o.c. each edge, face nail
11. Continuous header to stud	4-8d common (2½" × 0.131"; or 4-10d box (3" × 0.128")	Toenail
12. Top plate to top plate	16d common (3½" × 0.162"); or	16" o.c. face nail
	10d box (3" × 0.128"), or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	12" o.c. face nail
13. Top plate to top plate, at end joints	8-16d common (3½" × 0.162"); or 12-10d box (3" × 0.128"); or 12-3" × 0.131" nails; or 12-3" 14 gage staples, 7/16" crown	Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)
	16d common (3½" × 0.162"); or	16" o.c. face nail
14. Bottom plate to joist, rim joist, band joist or block-ing (not at braced wall panels)	16d box (3½" × 0.135"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	12" o.c. face nail
15. Bottom plate to joist, rim joist, band joist or block-ing at braced wall panels	2-16d common (3½" × 0.162"); or 3-16d box (3½" × 0.135"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	16" o.c. face nail
16. Stud to top or bottom plate	4-8d common (2½" × 0.131"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or	Toenail
	2-16d common (3½" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	End nail
17. Top or bottom plate to stud	2-16d common (3½" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	End nail
18. Top plates, laps at corners and intersections	2-16d common (3½" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Face nail

(continued)

TABLE 2304.10.1—continued FASTENING SCHEDULE

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
Wall		
19. 1" brace to each stud and plate	2-8d common (2½" × 0.131"); or 2-10d box (3" × 0.128"); or 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown	Face nail
20. 1" × 6" sheathing to each bearing	2-8d common (2½" × 0.131"); or 2-10d box (3" × 0.128")	Face nail
21. 1" × 8" and wider sheathing to each bearing	3-8d common (2½" × 0.131"); or 3-10d box (3" × 0.128")	Face nail
Floor		
22. Joist to sill, top plate, or girder	3-8d common (2½" × 0.131"); or floor 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Toenail
23. Rim joist, band joist, or blocking to top plate, sill or other framing below	8d common (2½" × 0.131"); or 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	6" o.c., toenail
24. 1" × 6" subfloor or less to each joist	2-8d common (2½" × 0.131"); or 2-10d box (3" × 0.128")	Face nail
25. 2" subfloor to joist or girder	2-16d common (3½" × 0.162")	Face nail
26. 2" planks (plank & beam – floor & roof)	2-16d common (3½" × 0.162")	Each bearing, face nail
27. Built-up girders and beams, 2" lumber layers	20d common (4" × 0.192")	32" o.c., face nail at top and bot-tom staggered on opposite sides
	10d box (3" × 0.128"; or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	24" o.c. face nail at top and bot-tom staggered on opposite sides
	And: 2-20d common (4" × 0.192"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Ends and at each splice, face nail
28. Ledger strip supporting joists or rafters	3-16d common (3½" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Each joist or rafter, face nail
29. Joist to band joist or rim joist	3-16d common (3½" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	End nail
30. Bridging or blocking to joist, rafter or truss	2-8d common (2½" × 0.131"); or 2-10d box (3" × 0.128"); or 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown	Each end, toenail

(continued)

TABLE 2304.10.1—continued FASTENING SCHEDULE

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing[a]			
		Edges (inches)	Intermediate supports (inches)
31. 5/16" – 1/2"	6d common or deformed (2" × 0.113") (subfloor and wall)	6	12
	8d box or deformed (2½" × 0.113") (roof)	6	12
	2½" × 0.113" nail (subfloor and wall)	6	12
	1½" 16 gage staple, 7/16" crown (subfloor and wall)	4	8
	2½" × 0.113" nail (roof)	4	8
	1½" 16 gage staple, 7/16" crown (roof)	3	6
32. 19/32" – 3/4"	8d common (2½" × 0.131"); or 6d deformed (2" × 0.113")	6	12
	2½" × 0.113" nail; or 2" 16 gage staple, 7/16" crown	4	8
33. 7/8" – 1 1/4"	10d common (3" × 0.148"); or 8d deformed (2½" × 0.131")	6	12
Other exterior wall sheathing			
34. 1/2" fiberboard sheathing[b]	1½" galvanized roofing nail (7/16" head diameter); or 1½" 16 gage staple with 7/16" or 1" crown	3	6
35. 25/32" fiberboard sheathing[b]	1½" galvanized roofing nail (7/16" diameter head); or 1½" 16 gage staple with 7/16" or 1" crown	3	6
Wood structural panels, combination subfloor underlayment to framing			
36. 1/2" and less	8d common (2½" × 0.131"); or 6d deformed (2" × 0.113")	6	12
37. 19/32" – 1"	8d common (2½" × 0.131"); or 8d deformed (2½" × 0.131")	6	12
38. 1 1/4" – 1 1/4"	10d common (3" × 0.148"); or 8d deformed (2½" × 0.131")	6	12
Panel siding to framing			
39. 1/2" or less	6d corrosion-resistant siding (1/8" × 0.106"); or 6d corrosion-resistant casing (2" × 0.099")	6	12
40. 5/8"	8d corrosion-resistant siding (2½" × 0.128"); or 8d corrosion-resistant casing (2½" × 0.113")	6	12

(continued)

TABLE 2304.10.1—continued FASTENING SCHEDULE

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing[a]			
		Edges (inches)	Intermediate supports (inches)
Interior paneling			
41. 1/4"	4d casing (1½" × 0.080"); or 4d finish (1½" × 0.072")	6	12
42. 3/8"	6d casing (2" × 0.099"); or 6d finish (Panel supports at 24 inches)	6	12

For SI: 1 inch = 25.4 mm.

a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.

b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).

c. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the rafter shall be permitted to be reduced by one nail.

Building Safety Division
City of Sunnyvale

Dec 22 2022

For installation in the City of Sunnyvale subject to code requirements
DIGITAL SET APPROVED
By Jonathan Kawamura
BUILDING-PLUMBING-ELECTRICAL-MECHANICAL
The stamping of this plan shall not be held to permit or to be an approval of the violation of any provision of any City or State Law.

JOB COPY
These plans must be kept on the job site at all times.
CITY OF SUNNYVALE

DESIGN CRITERIA

THE FOLLOWING CRITERIA COVER THE STRUCTURAL DESIGN OF THIS BUILDING.

1. CODES
A. 2016 CALIFORNIA BUILDING CODE.

2. DESIGN LOADS

A. DEAD LOADS–TYPICALLY AS FOLLOWING:

1.)	ROOF : ASPHALT SHINGLE	3.0 PSF
2.)	1/2" PLYWOOD	1.5 PSF
3.)	ROOF & CEIL'G FRAMING	3.0 PSF
4.)	INSULATION	.5 PSF
5.)	GYP CEILING BOARD	2.5 PSF
6.)	MISC.	1.5 PSF
	TOTAL ROOF DEAD LOAD:	12.0 PSF
8.)	EXTERIOR WALL	16 PSF
9.)	INTERIOR WALL	8 PSF

B. LIVE LOADS – UNIFORM AS FOLLOWS:

1.)	ROOFS	20 PSF
2.)	TYPICAL FLOORS	40 PSF

C. FLOOR DEAD LOAD

1.)	FLOORING	2.0 PSF
2.)	3/4" CDX PLYWD	2.5 PSF
3.)	FLOOR FRAMING	3.0 PSF
4.)	GYP CEILING	2.5 PSF
5.)	MISC.	2.0 PSF
	TOTAL FLR DEAD LOAD:	12 PSF

SEISMIC PARAMETERS

Seismic Design Cat.	Occ Cat.	Site Class	R	SDS (g)	SD1 (g)	P	Ta	Ss (g)	S1 (g)	TL	Fa	FY	Cs
D	II	D	6.5	1.0	0.6	1.40	0.175	1.5	0.6	12	1.2	1.50	0.13

WIND PARAMETERS

Wind Speed	Occ Cat.	Rough–ness	Expo–sure	Iw	Topo Type
110	II	C	C	1.00	Flat

SPECIAL INSPECTION NOTES:

THE FOLLOWING STRUCTURAL OBSERVATION SHOULD BE PROVIDED BY ENGINEER OF RECORD:

A. HOLD DOWN AND ANCHOR TO FOUNDATION.

B. SHEATHING AND NAILING SCHEDULE FOR SHEAR WALL AND ROOF PLYWOOD

C. SHEAR TRANSFER MEMBERS INCLUDING STRAPS AND FASTENERS AT SHEAR WALL AND ROOF PLYWOOD.

ALL BRACKETS AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE Z–MAX OR EQUAL.

ALL ANCHORS, HOLDOWN BOLTS, REBARS, TO BE IN PLACE AT FOUNDATION FOR INSPECTION.

DAN L. CHEN S.E.
47849 MASTER COURT FREMONT 94539
T: 510.578.8230

REGISTERED PROFESSIONAL ENGINEER
DAN LU CHEN
S5358
Exp. 6/30/23
STRUCTURAL
STATE OF CALIFORNIA

PROJECT:
721 GLENCOE CT. ADDITION

ADDRESS:
721 GLENCOE CT.
SUNNYVALE CA 94087

TITLE:
STRUCTURE DATA AND TABLES

REV.	DATE	REMARKS

NOTES:

SUBMITTAL:
BUILDING

DRAWN BY:
PP

DATE:
JAN 16 2022

SCALE:
AS NOTED

SHEET NUMBER:
S.01