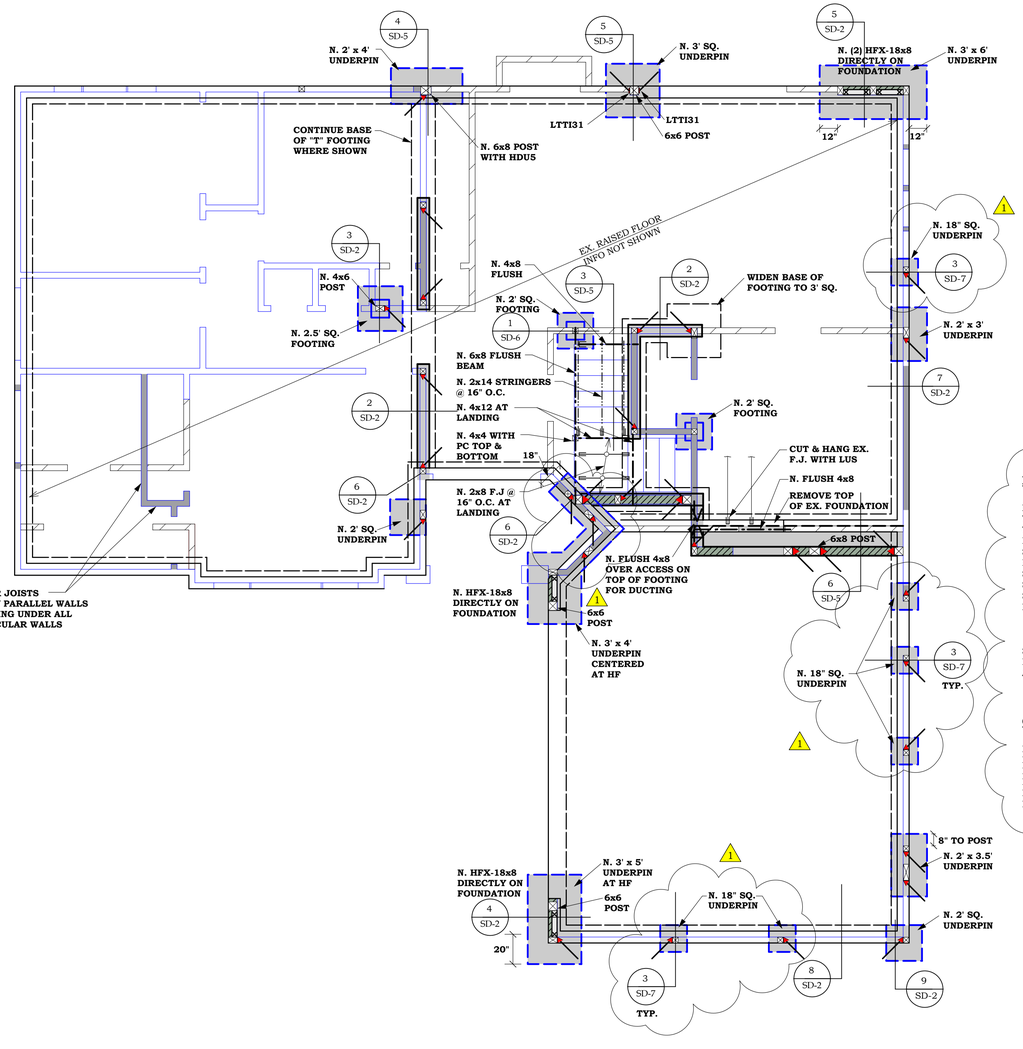

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LATERAL DESIGN INFO

BASIC WIND SPEED:	110 MILES PER HOUR (M/HR)
WIND IMPORTANCE FACTOR:	1
WIND EXPOSURE:	"B"
DESIGN WIND LOAD:	13 PSF
SEISMIC IMPORTANCE FACTOR:	1
MAPPED SPECTRAL RESPONSE ACCELERATIONS, S_s& S_1:	S_s=2.464, S_1= 1.184
SITE CLASS:	"D"
SPECTRAL RESPONSE COEFFICIENTS, SD_s & SD_1 :	SD_s=1.642, SD_1= 1.184
SEISMIC DESIGN CATEGORY:	"E"
BASIC SEISMIC-FORCE-RESISTING SYSTEM (S):	LIGHT FRAMED WALLS SHEATHE WITH WOOD STRUCTURAL PANEL RATED FOR SHEAR RESISTANCE.
SEISMIC RESPONSE COEFFICIENTS (S):	C = 0.235 W
RESPONSE MODIFICATION FACTOR (S):	R = 6.5
ANALYSIS PROCEDURE USED:	EQUIVALENT LATERAL FORCE PROCEDURE

GRAVITY DESIGN INFO

ROOF DL:	16 PSF.
ROOF LL:	20 PSF.
FLOOR DL:	10 PSF.
FLOOR LL:	40 PSF.
DECK DL:	10 PSF.
DECK LL :	60 PSF.

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SPECIAL INSPECTIONS ARE REQUIRED FOR:

A- STRUCTURAL STEEL CONSTRUCTION PER CBC 1705.2.1.
B- REINFORCED CONCRETE CONSTRUCTION PER CBC 1705.3.
C- HARDY FRAME WALL INSTALLATION PER THE ICC REPORT
D- STRUCTURAL WOOD PER CBC 1707.3.

LEGEND

WALLS TO BE REMOVED
EXISTING WALLS
DENOTES NEW 2x4 WALLS
DENOTES NEW 2x6 WALLS

FOUNDATION NOTES:

Contractor shall verify all conditions shown on all drawings and immediately notify the engineer of any discrepancies.
Contractor shall meet with engineer at least 2 weeks prior to start of construction or demolition to review the project.

F1A) ☒ Denotes: HDU5 at 4x posts typical u.n.o.
Align holdowns with walls above. Do not scale location from this plan.

F1B) At pony walls, if applicable to this project may use:
MST48 thru floor & HDU5 @ foundation
MST60 thru floor & HDQ8 @ foundation
See detail 3/SD1.

F2A) *HOLDOWNS AT NEW FOUNDATION: See detail 1/SD1.*
F2B) HOLDOWNS AT EXISTING FOUNDATION:
Use **Simpson SET-XP** system. See detail 1/SD-1.
Special inspection is required.Contact engineer.
F3A) ANCHOR BOLTS AT NEW FOUNDATION:
1. 5/8 " diameter ASTM A307 x 12" anchor bolts with BP5/8-3 & nut
2. A.B. shall be spaced at 48" o.c. maximum typ. u.n.o.
3. See note F4 for tighter spacing
4. 3x sill plates typical at all new foundation u.n.o.
5. Provide minimum (2) A.B. between holdowns

F3B) NEW ANCHOR BOLTS AT EXISTING FOUNDATION
1. 5/8" all thread x 7" embedment into ex. fdn. with BP 5/8-3 & nut
2. Or may use Simpson UFP10SDS3, with the same spacing as A.B.

F4) Anchor bolt spacing at shearwalls:
48" on center at type A walls
32" on center at type B walls
16" on center at type C walls
12" on center at type E walls

F5) Connectors for pressure treated lumber (nails, hangers, anchor bolts, plate washers, etc.) shall be hot dipped galvanized or stainless steel per C.B.C. 2304.9.5.
F6) All site and foundation work shall be done in accordance with 2016 C.B.C. chapter 18.
F7) All work shall conform with 2016 C.B.C. as well as applicable local codes in effect at the time of construction, including 2015 I.B.C.
F8) All framing shall conform with 2016 C.B.C., chapter 23.
F9) All nailing shall conform with 2016 C.B.C. table 2304.10.1
F10) During the placing of concrete, mushroomed concrete spillage at the sides of foundation should be trimmed to the design size of the fdn. respectively. Also, bottom of footings shall be clean of spoils.
F11) Foundation ventilation shall meet the minimum requirements of 2016 C.B.C. section 1203.3 for screened vents. Screened vents shall be installed with a net area of not less than 1 sq. feet for every 150 sq. feet of under floor area.

FLOOR FRAMING NOTES:

FF1) ***HANGERS*** *(typical unless noted otherwise)*:
A) Floor Joists: LUS
B) Solid flush beams: HUS
C) Double Joists: LUS-2
D) Flush PLM: **HGUS** typical u.n.o,
FF2) All floor joists to be all existing to remain typical U.N.O.
FF3) MLM denotes (1) 1 3/4 x 11 7/8" Microllam LVL, 1.9E Min.
FF4) DBL MLM denotes (2) 1 3/4 x 11 7/8" Microllam LVL, lapped
1. Nail lapped MLM with (2) rows of 16d's at 12" o.c. staggered
FF5) PLM denotes Parallam PSL, 2.0E
depth to match floor joists depth, 11 7/8" deep minimum
PLM3 denotes 3.5" wide Parallam PSL,
PLM5 denotes 5.25" wide Parallam PSL
PLM7 denotes 7" wide Parallam PSL

FF6) ***New Interior wall*** *(typical unless noted otherwise)*:
any new wall shall be supported as follows:
A) New walls Parallel to joists; Double joists
B) New walls Perpendicular to joists; Soild blocking

STRUCTURAL OBSERVATIONS BY ENGINEER:
3 BUSINESS DAY NOTICE IS REQUIRED TO SCHEDULE SITE VISITS - ENGINEER TO OBSERVE:

1- FOUNDATION STEEL, REBARS AT 10% & 100% PRIOR TO INSTALLATION OF INSIDE FORMS.
2- FRAMING PRIOR TO PLYWOOD.
3- SHEARWALLS, HOLDOWNS, & POSITIVE CONNECTORS.

CONTRACTOR MUST CONTACT ENGINEER:
3 BUSINESS DAY NOTICE IS REQUIRED:

PRIOR TO ORDERING ANY MATERIAL & AFTER THE STRUCTURE IS EXPOSED, THE ENGINEER & ARCHITECT SHALL OBSERVE EXISTING STRUCTURAL ELEMENTS TO CONFIRM OR MODIFY PROPOSED STRUCTURAL DESIGN.

SCALE: 1/4"=1'-0"

ATA ENGINEERING
Ali Adib, P.E.
1202 Main Street, Redwood City, CA 94063
Tel. 650.363.2338, Fax 650.363.2031, email: ala@ataeng.net

1ST FLOOR FRAMING & FOUNDATION PLAN

REMODEL/ADDITION:
DALTON RESIDENCE
3900 CHRISTIAN DRIVE
BELMONT, CA 94002

REGISTERED PROFESSIONAL ENGINEER
ALI ADIB
NO. CE49976
Exp. 6-30-19
CIVIL
STATE OF CALIFORNIA

PLANS ARE FAVORABLY REVIEWED FOR COMPLIANCE WITH STRUCTURAL CALCULATIONS ONLY

1 07-25-18 PC1
DATE: 06-07-18

S-1
OF SHEETS