

**Structural Calculations for:**

# **Day Residence Remodel**

**7825 SE 76<sup>th</sup> Street  
Mercer Island Washington**

**Client: Sturman Architects**



**21 June 2023**

**Δ 3 November 2023 Field Revisions**

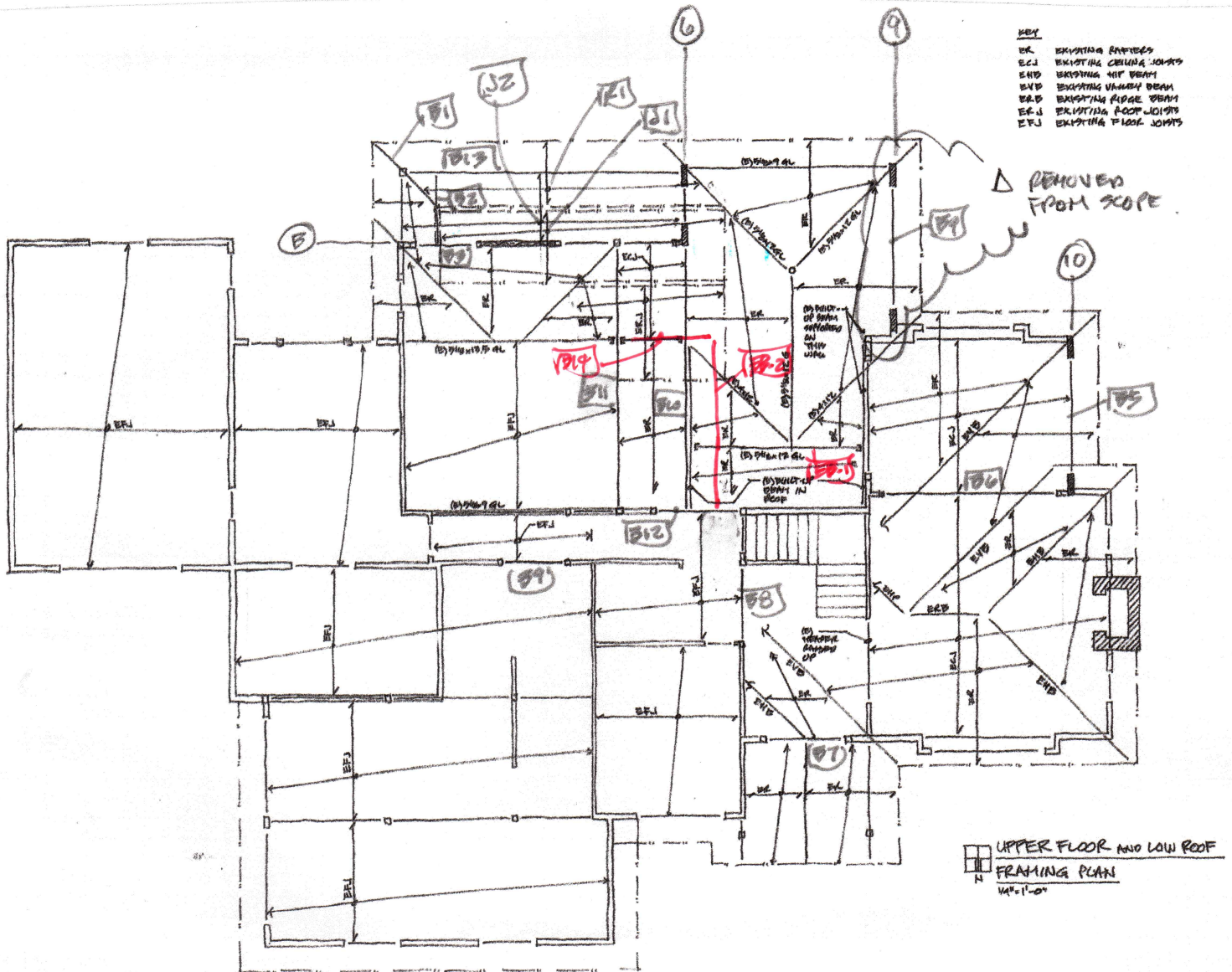
## **Index:**

<b>KP-</b>	<b>Key Plans</b>
<b>UF-</b>	<b>Upper Floor and Low Roof Framing</b>
<b>MF-</b>	<b>Main Floor Framing and Foundations</b>

**Note: See Sheet UF-2 for a description of the shear wall changes**

## **giraf design**

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- KEY
- EC
  - ECL
  - EUB
  - EAB
  - EFL
  - EFL
  - EFL

△ REMOVED FROM SCOPE

UPPER FLOOR AND LOW ROOF  
FRAMING PLAN  
1/4" = 1'-0"

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project: DAY REMODEL

client: STURMAN ARCHITECTS

Δ 9-19-23

Δ 6-21-23

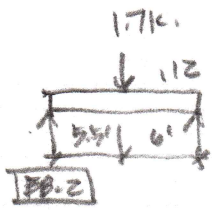
date: 5-21-23

proj #: 2022-056

sheet: KP-1

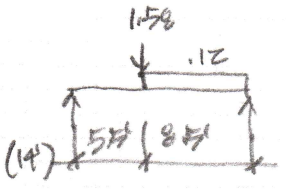
EXISTING BEAMS

FB-1



$R_{FB-2} = 1.58k$

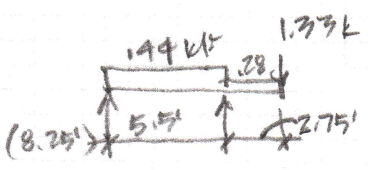
FB-2



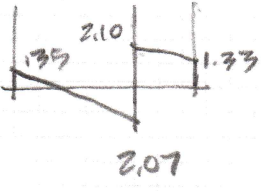
$R = 1.27k$

$L = 1.33k$

FB-4



$R = 1.17k$

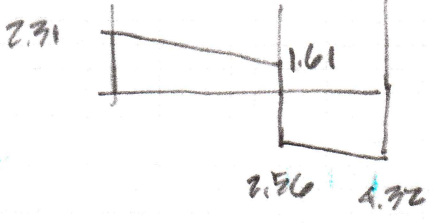
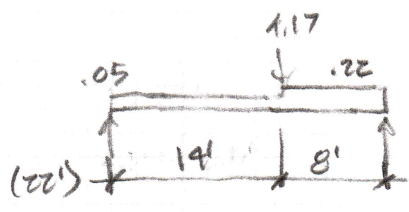


$M = 9.72ftk$

USE 5/12x9 GL (MIN.)

REVISED NEW BEAMS

FB10



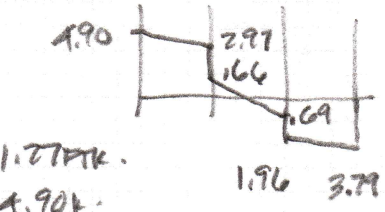
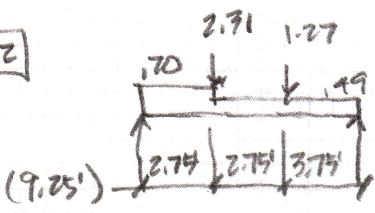
$M = 24.32ftk$

$V = 4.32k$

W10x30

SLT = 1/805

FB12



$M = 11.27ftk$

$V = 4.90k$

5/12x9 GL

FB11

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project: DAY RESIDENCE

date: 9.19.23

proj #: 2022-056

client: STURMAN ARCHITECTS

sheet: DF-1

09-28-23