

March 31, 1997

Paul Stahl, Board Trustee  
North Valley Public Library  
208 Main Street  
Stevensville, MT. 59870

Re: Structural Up-Grade - Final Sign-off  
Existing Library Building  
208 Main - Stevensville, MT.

Paul:

As requested, I am writing to confirm my participation in the structural up-grade work completed by Jay Seppel in 1996. I worked with Jay concerning the installation of the main level columns with spreader beam to pick up the existing double 4x12 beam line.

With the installation of this new mid-line support, I find the building to be structurally adequate to occupancy and use the main floor level as a library. The upper floor level shall not be occupied or used for storage.

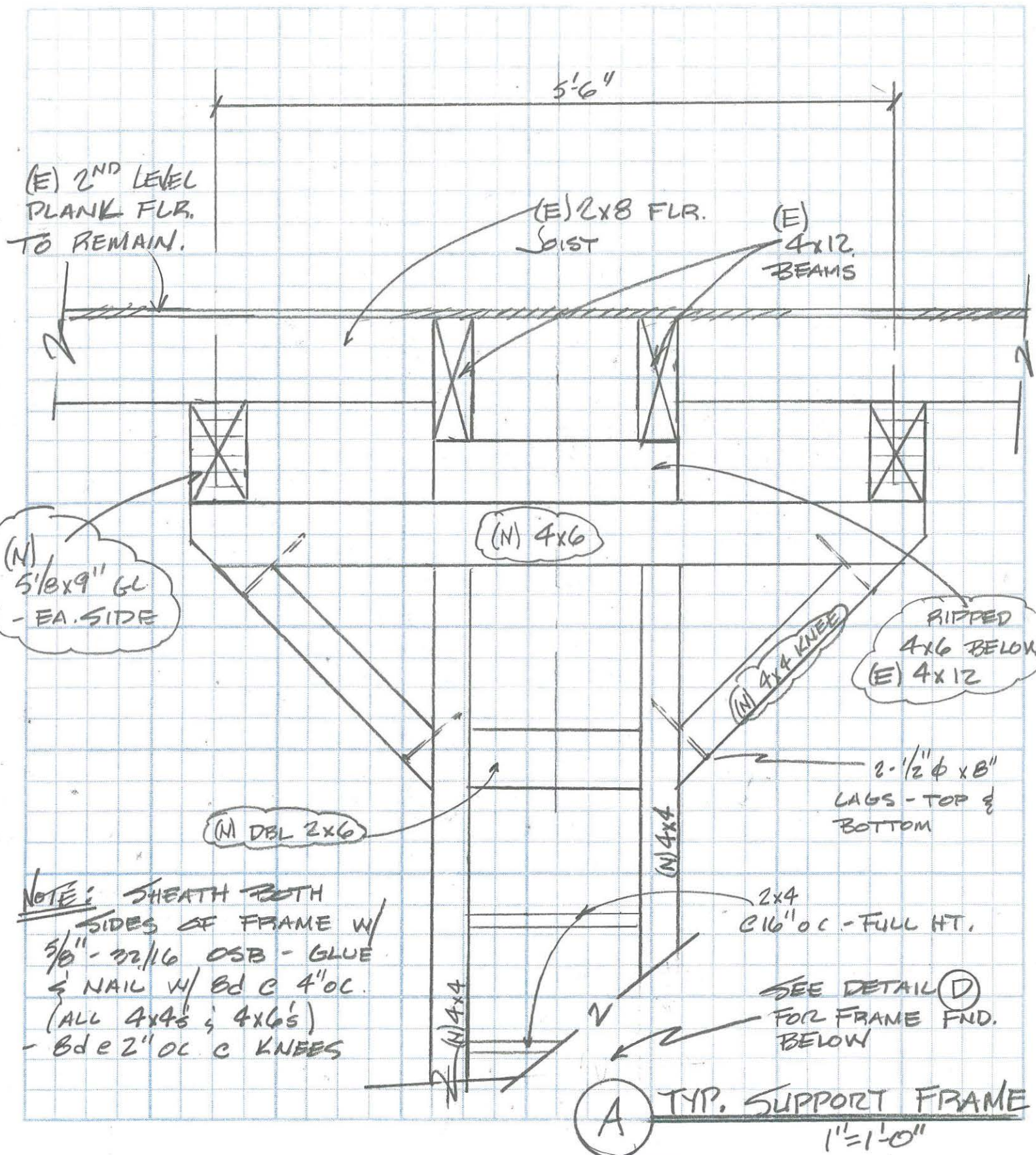
Call with any further questions. Thanks for being patient.

Sincerely,  
BEAUDETTE CONSULTING ENGINEERS

Tom R. Beaudette, P.E.

**BEAUDETTE  
CONSULTING  
ENGINEERS, INC.**

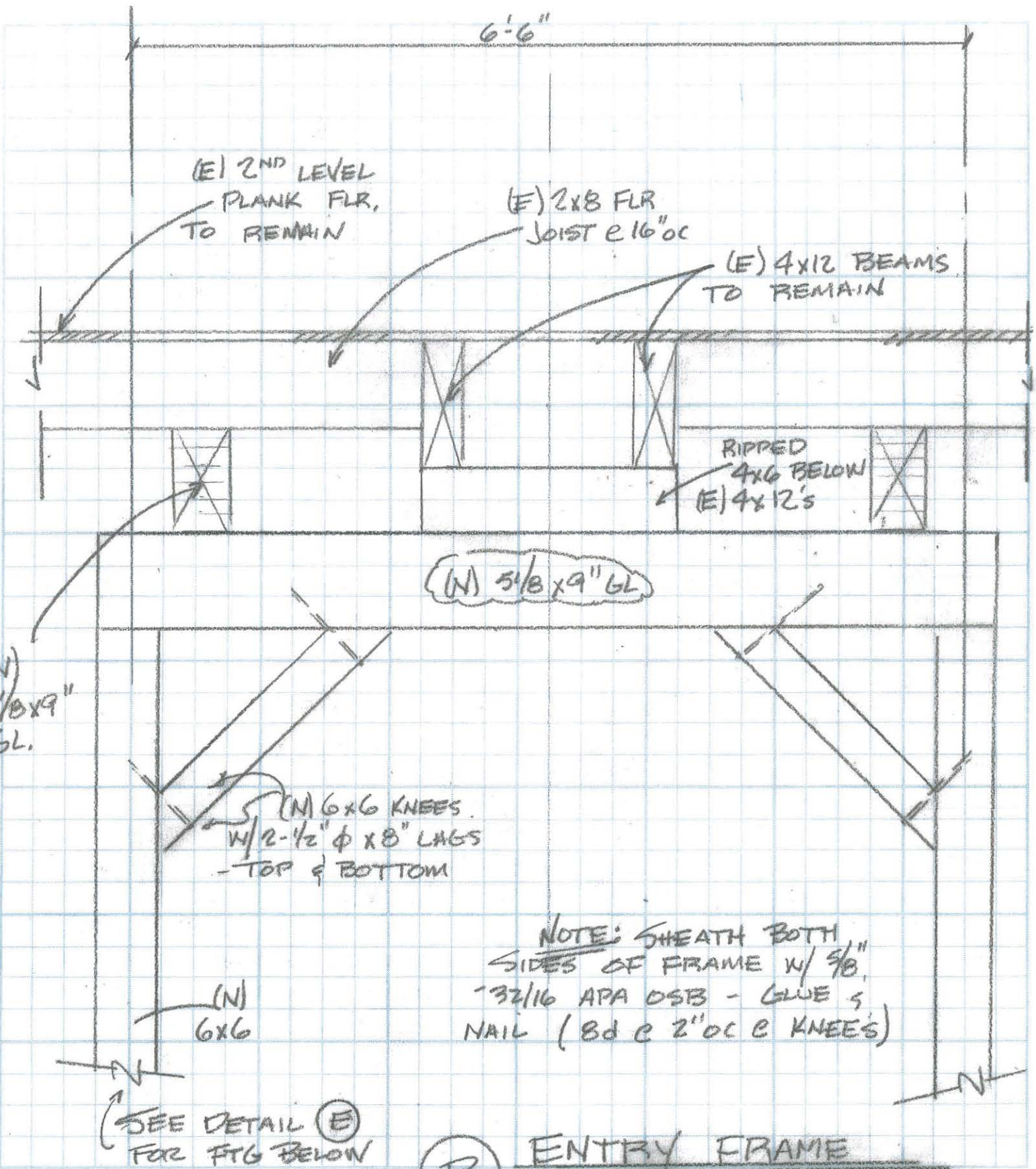
211 NORTH HIGGINS, 4th FLOOR  
MISSOULA, MONTANA 59802  
TEL: (406)721-7315  
FAX: (406)542-8955



**NOTE:** SHEATH BOTH SIDES OF FRAME W/ 5/8" - 22/16 OSB - GLUE & NAIL W/ Bd C 4" OC. (ALL 4x4's & 4x6's) - Bd C 2" OC C KNEES

**A** TYP. SUPPORT FRAME  
1" = 1'-0"

<p><b>BEAUDETTE</b> CONSULTING ENGINEERS, INC.</p>	<p>PROJECT <u>STRUCT. UPGRADE</u> <u>N. VALLEY LIB. - STEV1.</u></p>	<p>DATE <u>1/12/96</u> BY <u>Tom</u></p>	<p>SHEET NO. /</p>
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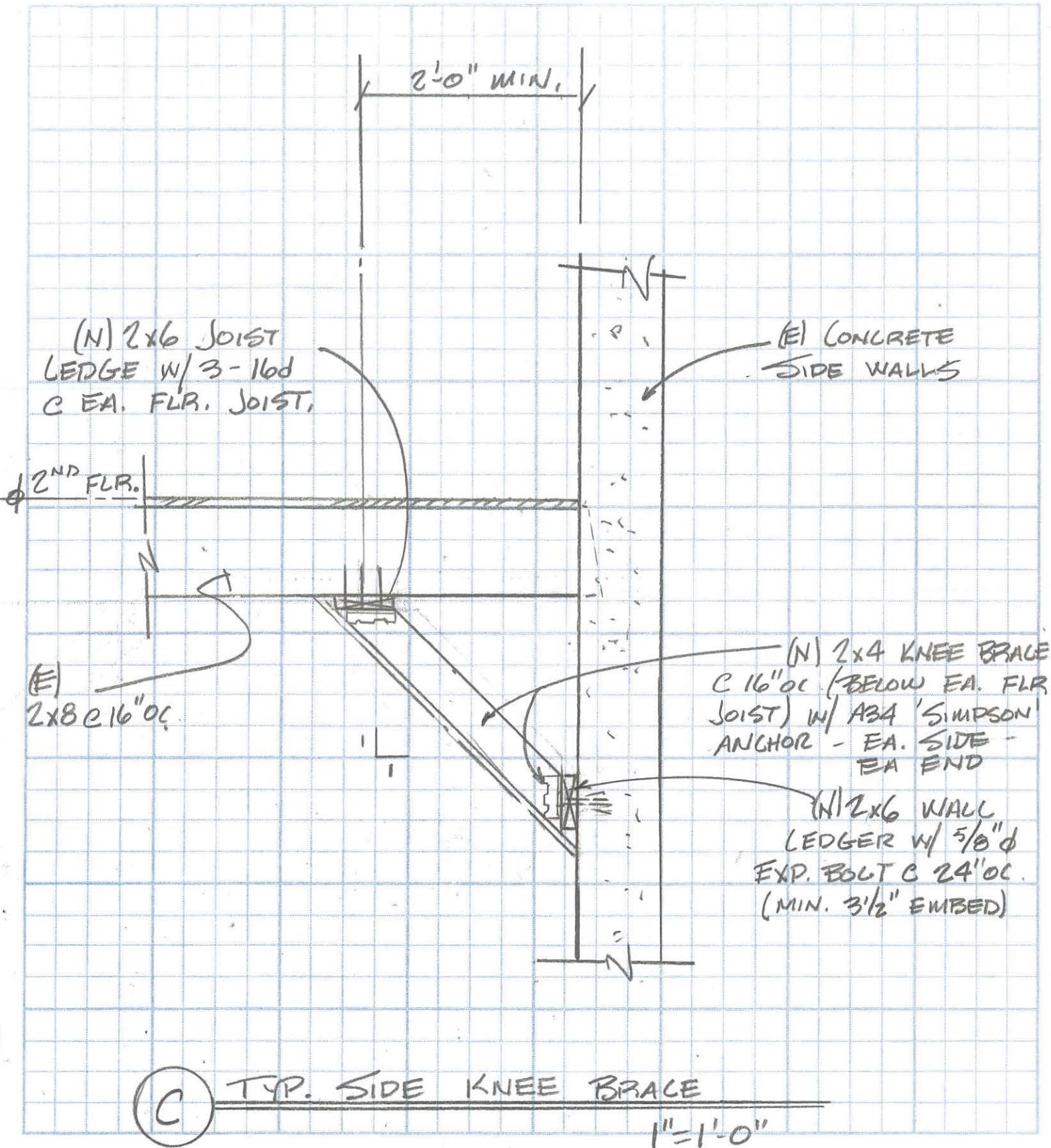


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**PROJECT**  
STRUCT. UPGRADE  
N. VALLEY LIB. - STEVL.

**DATE** 1/12/96  
**BY** Tom

**SHEET NO.**



(C) TYP. SIDE KNEE BRACE  
1"=1'-0"

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OSB SHEATHED  
FRAME - SEE

(A)

(N) 2x4 @ 16" OC.

(N) 4x4

(E) MAIN FR  
STRUCTURE

(N) PRES.  
TREATED 2x12  
BEARING P

(N) 2'-6" SQ x  
10" DP. FTG' w/  
4-#4 E.W.

2'-6" ±

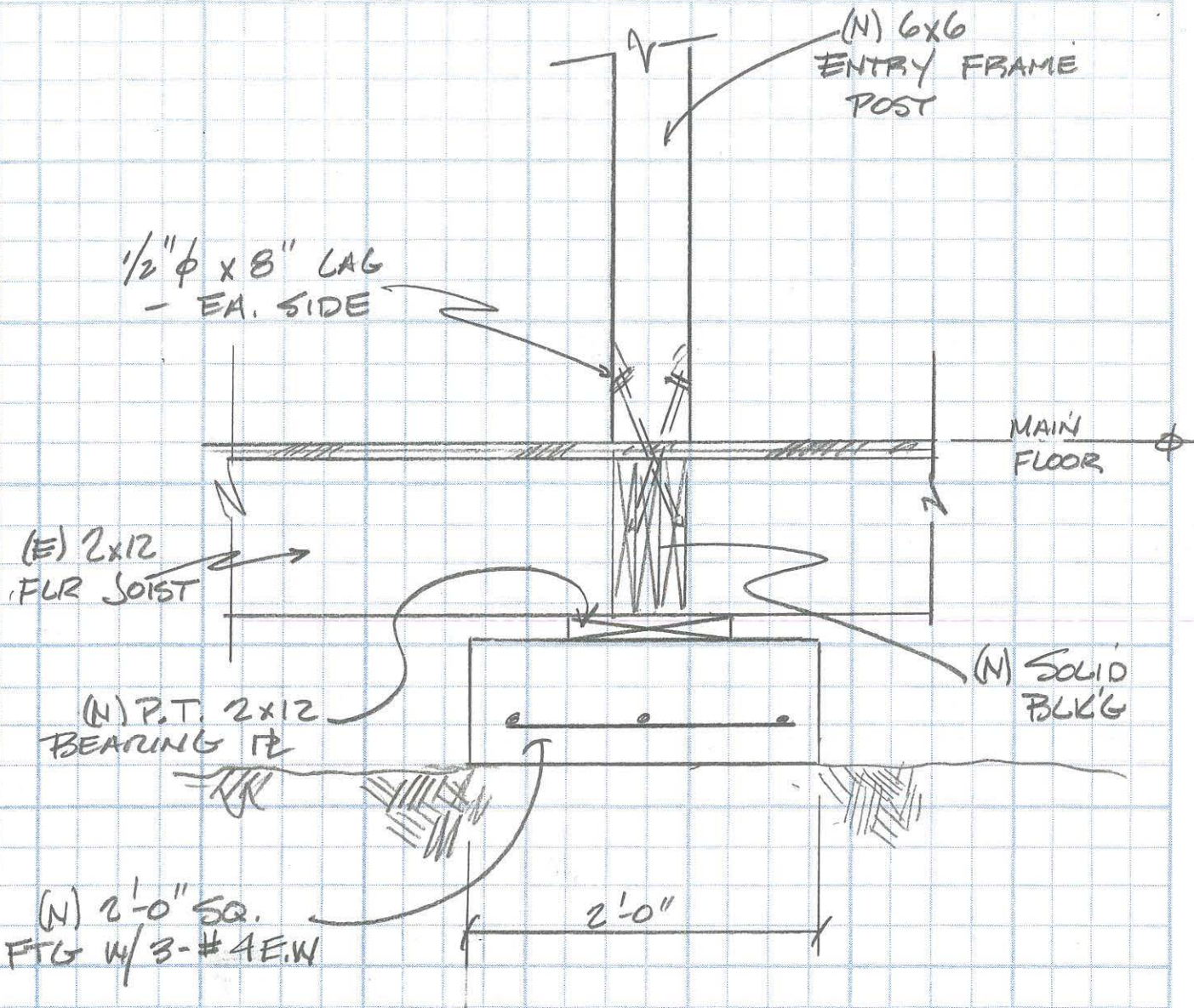
(D) TYP. (N) FOOTING  
(WHERE REQUIRED) 1" = 1'0"

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PROJECT  
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SHEET NO.



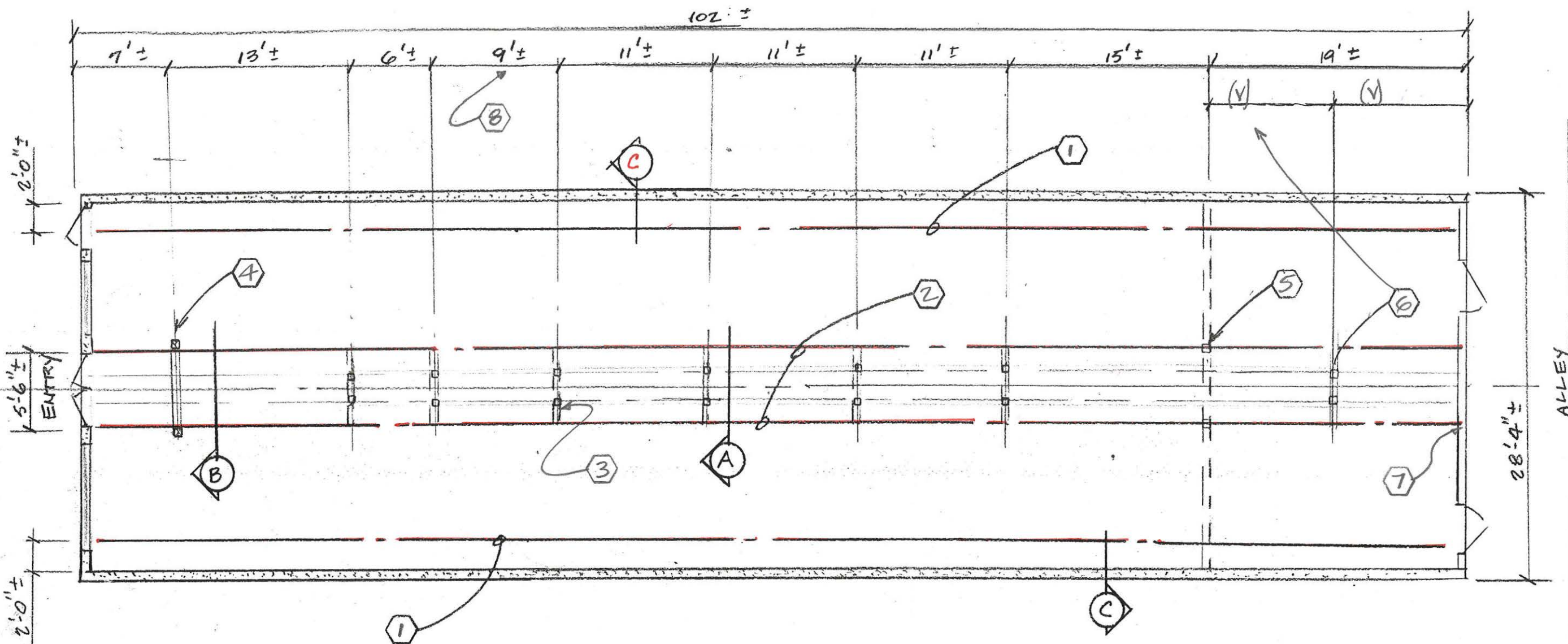
(E) (N) FOOTING @ ENTRY FRAME  
1'-6" x 1'-0"

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STRUCTURAL UP-GRADE PLAN  
1/8" = 1'-0"

- ① - ADD CONTINUOUS KNEE BRACES BELOW THE 2ND FLR JOIST, ALONG EACH CONCRETE SIDE WALL LINE - SEE DETAIL C.
- ② - ADD TWO CONTINUOUS 5 1/8" X 9" GLU-LAM BEAM LINES BELOW THE 2ND FLR JOIST, DOWN CENTERLINE LENGTH OF BUILDING - SEE DETAILS A & B.
- ③ - ADD "T" SUPPORT FRAMES BELOW NEW 5 1/8" X 9" BEAMS - TYPICAL SEVEN PLACES - SEE DETAIL A. VERIFY POSITIVE SUPPORT OF FRAMES TO EXISTING OR NEW FOOTINGS.
- ④ - ADD NEW "ENTRY" FRAME BELOW GLU-LAM BEAM LINES AT FRONT ENTRY - SEE DETAIL B.
- ⑤ - PROVIDE SUPPORT FOR NEW GLU-LAM BEAMS AT EXISTING WALL. (MIN. 2-2X6 OR 3-2X4). INSTALL BLOCKING BELOW POSTS AT MAIN LEVEL FLOOR TO WALL BELOW.
- ⑥ - INSTALL SUPPORT OF NEW GLU-LAM BEAMS IN BACK ROOM. INSTALL "T" FRAME PER DETAIL A OR DIRECT SUPPORT BELOW POSTS. LOCATE POSTS FOR FULL SUPPORT TO FOUNDATION (MAX. 13' SPAN).
- ⑦ - PROVIDE SUPPORT FOR NEW GLU-LAM BEAMS AT EXISTING BACK WALL.
- ⑧ - CONTRACTOR TO VERIFY SPECIFIC LOCATION OF GLU-LAM SUPPORT FRAMES TO ACCOMMODATE BOOK STACKS, AISLES, ETC. AND TO ALIGN WITH EXISTING FOUNDATION BELOW WHERE POSSIBLE.

<b>PROJECT</b>	SHEET NO.
STRUCT. UP-GRADE N. VALLEY LIB. - STEVIL.	DATE 1/12/96 BY Tom
<b>BEAUDETTE CONSULTING ENGINEERS, INC.</b>	