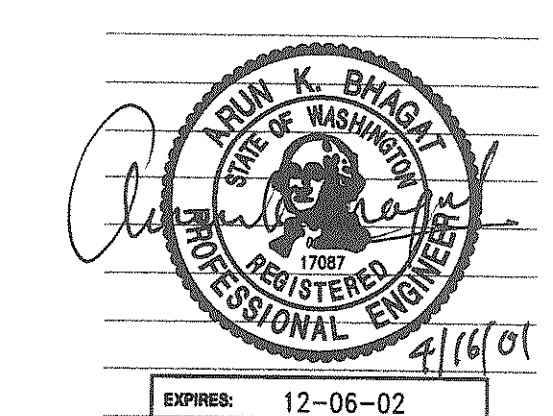


**AKB ENGINEERS, INC.**  
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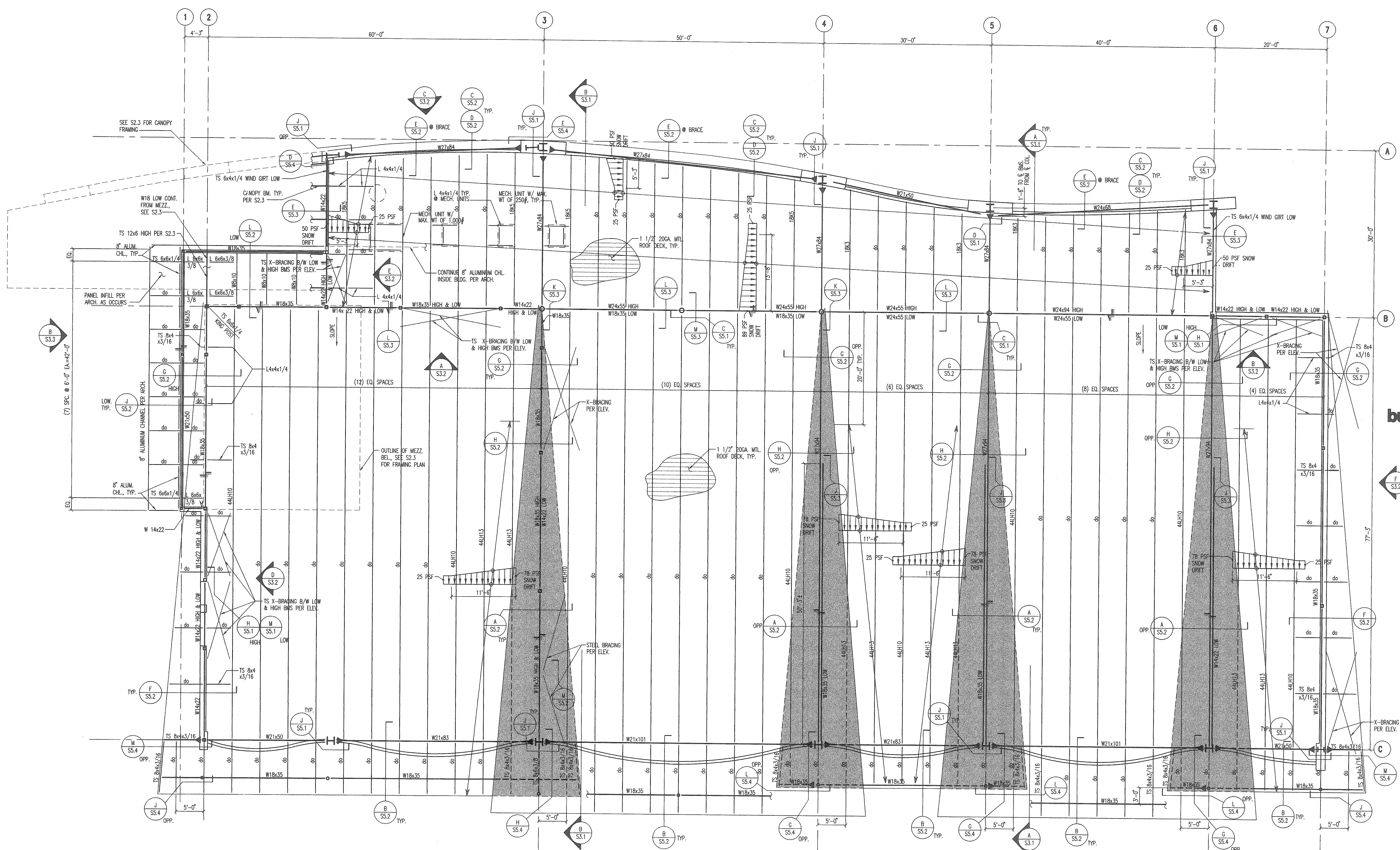
village way,  
 monroe, washington 9827

BID SET

project: 00-002  
 contents: ROOF FRAMING  
 PLAN

design: NJS  
 drawn: LCK  
 checked: BU  
 date: april 17, 2001  
 revised:

**S2.2**



**PLAN NOTES:**

- SEE SHEET S0.1 FOR GENERAL STRUCTURAL NOTES.
- OPEN WEB JOISTS AND BRIDGING SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS AND JOIST ORDERS OF THE STEEL JOIST INSTITUTE ("SJI"), LATEST EDITION, AND SHALL COMPLY WITH UBC CHAPTER 22 DIV. III.
- THE MANUFACTURER OF THE OPEN WEB STEEL JOISTS SHALL BE A MEMBER OF THE SJI AND SHALL FURNISH TO THE BUILDING OFFICIAL A CERTIFICATE INDICATING COMPLIANCE WITH UBC CHAP. 22 DIV. III AND WHICH ALSO IDENTIFIES THE JOISTS DELIVERED FOR THIS SPECIFIC PROJECT. (PROJECT NAME AND ADDRESS). SUCH CERTIFICATE OF COMPLIANCE SHALL BE FURNISHED BEFORE INSTALLATION.
- JOIST AND JOIST CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH LOAD AND DEFLECTION CRITERIA INCLUDING ANY SPECIAL LOADS SUCH AS MECHANICAL EQUIPMENT LOADS AND WIND AND SEISMIC LOADS. DESIGN SHALL INCLUDE BRIDGING, BRACING, OR SHORING AS REQUIRED DURING AND AFTER CONSTRUCTION. CALCULATIONS AND DRAWINGS SIGNED BY A WASHINGTON REGISTERED STRUCTURAL ENGINEER SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER AND BUILDING DEPARTMENT BEFORE FABRICATION.

- LOADS:
- DEAD LOAD ----- 15 PSF
  - SNOW LOAD ----- 25 PSF MIN. + DRIFTING AS INDICATED.
  - NET UPLIFT ----- 10 PSF
  - MECHANICAL LOADS ----- AS INDICATED ON PLAN.
  - LL DEFLECTION LIMITED L/360
  - TL DEFLECTION LIMITED L/240

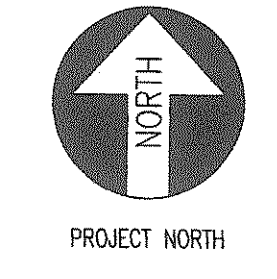
- COORDINATE LOCATION OF JOIST BRACING AND BRIDGING WITH MECHANICAL DUCTS, SEE MECH. DRAWINGS.
- ALL JOISTS SHALL BE DESIGNED FOR A 500# ADDITIONAL LOAD LOCATED AT ANY POINT ALONG THE SPAN IN ADDITION TO LOADS LISTED.
- DENOTES A MOMENT CONNECTION.
- DENOTES ELEVATION OF MOMENT FRAME.

- ADDITIONAL ROOF OPENING MAY BE REQUIRED VERIFY ALL SHOWN AND OTHER REQUIRED OPENINGS PER MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS FOR LOCATION AND SIZE.
- VERIFY LOCATION OF ALL MECHANICAL UNITS PER ARCHITECTURAL AND MECHANICAL DRAWINGS.

**TYPICAL DETAILS:**

- FOR ROOF DECK SECTION PROPERTIES SEE DETAIL A/S5.1.
- FOR TYPICAL BEAM TO COLUMN CONNECTION SEE DETAIL C/S5.1.
- FOR TYPICAL TS TO TS CONNECTION, SEE L/S5.1.
- FOR TYPICAL METAL STUD BRACING, SEE DETAIL A/S5.4.
- FOR TYPICAL METAL STUD BORING AND NOTCHING, SEE DETAIL B/S5.4.
- FOR TYPICAL METAL STUD WALL TO ROOF BEAM OR BRACE, SEE DETAIL C/S5.4.
- FOR DECK REINFORCING AT ROOF PENETRATION, SEE DETAIL K/S6.1.
- FOR TYPICAL DECK ANGLE, SEE DETAIL K/S6.1.

NOTE: DIMENSIONS SHOWN ON STRUCTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND MUST BE VERIFIED BY THE CONTRACTOR BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCH. ENGINEER IMMEDIATELY.



**ROOF FRAMING PLAN**

SCALE: 1/8" = 1'-0"