



WELDED THREADED  
 $\frac{3}{8}$ " STUD @ 32" C/C

BEAM WELDED TO  
STEEL PLATE. SHIM  
AS REQUIRED

CIP THREADED  
J BOLT  $\frac{3}{8}$ ", MIN  
4" EMBEDMENT

EXISTING TIMBER RAFTERS @16" C/C  
CONNECTED TO TIMBER  
WALL PLATE

EXISTING 3"X4"  
TIMBER WALL PLATE

NEW W4X13 BEAM







