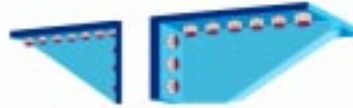




# The ICF Kaiser



# Bolted Connection

## A New Paradigm for Moment Frame Construction

- Pre-Engineered & Tested
- Cost Competitive With Welding
- Easy Installation

### Summary of Full Scale Test Results

Test Number	Beam Size	Column Size	Maximum Plastic Rotation (radians)	Maximum Beam Moment (Mp is Plastic Moment)
1	W16x40	W12x65	0.046	1.32 Mp
2	W16x40	W12x65	>0.06	1.38 Mp
3	W16x40	W12x65	0.052	1.44 Mp
4	W16x40	W12x65	>0.06	1.35 Mp
5	W36x150	W14x425	0.053	1.46 Mp
6	W36x150	W14x425	0.063	1.47 Mp
7	W36x150	W14x425	0.053	1.41 Mp
8	W36x150	W14x425	0.071	1.41 Mp
9	W33x141	W14x257	0.025	1.3 Mp
10	W33x130	15.625" Square Box Column	0.058	1.45 Mp
10A	W33x130	15.625" Square Box Column	0.059	1.46 Mp
11	W33x130	15.625" Square Box Column	0.069	1.58 Mp
12	W30x108	W14x233	0.039	1.3 Mp
13	W18x55	W14x233	0.038	1.35 Mp
14	W30x108	W14x233	0.056	1.29 Mp
15	W24x55	W14x132	0.077	1.37 Mp

“Plastic Rotations” are at hinge “Maximum Plastic Moment” is at face of column

For more information contact: Steel Cast Connections LLC  
 William Gibb (206) 250-7035  
 Terry Derian (510) 305-9080