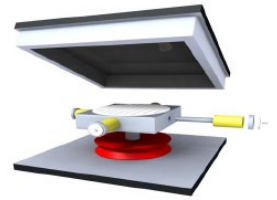# EQS Building Bearing System
Design Questionnaire

RJ Watson Inc

For a fillable version online, please visit rjwatson.com, hover over the services tab at the top, and click on design services.

Project

Name & Contract Number:

Owner:

Consultant:

Contact Information

Name:

Phone:

Email:

EQS Bearing Quantity:

Estimated Project Bid Date:

Structure

Superstructure Information

Type (Steel or Concrete):

Strength (Yield or Compressive (f'c)):

Beam/Girder Flange Dimensions:

Span Length(s):

Slope at Bearing Locations:

Substructure Information

Type (Steel or Concrete):

Strength (Yield or Compressive (f'c)):

Bearing Pedestal Dimensions:

Bearing Anchorage:

Materials:

Coating:

Embed Depth:

Existing Bearing Heights (If Required to Match Heights):
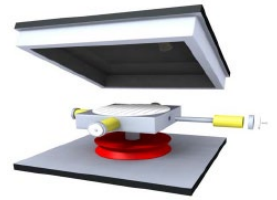
Design

Design Goal (Rehab, Replace, New Design, etc.):	
Design Method (ASD, LFD, or LRFD):	

Seismic Design Data

Response Acceleration at Period of 1-sec (S_1):	
Site Class Coefficient (F_V):	
Seismic Design Category:	
Site Specific Response Spectrum (if applicable):	
Design Temperature Range:	

Specifications (including dates/editions)

AASHTO, AISC, ASCE, etc. Standard and/or Guide Spec.:	
State Standard:	

Bearing Materials

Type of Steel:	
Coating (paint, galvanize, metalize):	

Testing

Specifications (including dates/editions)

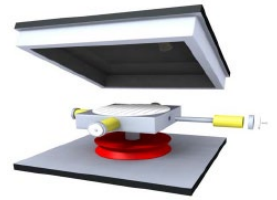|	
AASHTO, AISC, ASCE, etc. Standard and/or Guide Spec.:	
State Standard:	
Special Testing Requirements (if applicable):	

Please fill in design requirement table on next page.

EQS Building Bearing System
Design Questionnaire

Design Requirements

Units: Load: Displacement: Rotation:			Substructure Location(s)	Substructure Location(s)	Substructure Location(s)	Substructure Location(s)
Isolation Bearing Quantity:						
Load (Denote: Unfactored or Factored	Axial	Dead:				
		Live:				
		Other:				
		Total:				
	Net Uplift (If Applicable):					
Rotation (+/-) (Denote: Unfactored or Factored)	Due to all Applicable Loads:					
	Due to Fab. & Const. Tol.:					
	Total:					
Service Forces (Denote Unfactored or Factored)	Wind:					
	Snow:					
	Other:					
Max Seismic Force Goal (per bearing)	Longitudinal:					
	Transverse:					
Max Seismic Displacement Goal (across bearing)	Longitudinal:					
	Transverse:					
Displacement (+/-)	Longitudinal	Thermal, Creep, Shrink:				
	Transverse	Thermal:				
Method of attachment to superstructure :						
Method of attachment to substructure:						

If any of the above information is not known at this time, typical assumptions can be used for an estimate. For example, a typical design rotation is ± 0.02 radians.

Please fill out and email this form to sales@rjwatson.com