

PEER REVIEW CHECKLIST FOR STRUCTURAL PLAN REVIEW

Project Name: _____ Project Address: _____

Each item on the checklist must be addressed as applicable to the project. (If not applicable, denote as N/A)

STRUCTURAL DESIGN (Chapter 16)

STRUCTURAL DESIGN CALCULATIONS

_____ Submitted for all structural members

DESIGN LOADS ON CONSTRUCTION DOCUMENTS

Uniformly distributed floor live loads

Floor Area Use Loads Shown

_____ Live load reduction

_____ Roof live loads

Roof snow loads

_____ Ground snow load, pg

_____ Roof thermal factor, C_t

_____ Sloped roof snow load, ps

Wind loads

_____ Design procedure

_____ Basic wind speed

_____ Occupancy category

_____ Wind importance factor, I

_____ Surface roughness/Exposure categories

_____ Internal pressure coefficient

_____ Component and cladding pressures

_____ Main wind-force resisting system

_____ Seismic resistance

_____ Structural testing/Observations

_____ Testing (other)

Earthquake design data

_____ Occupancy category

_____ Seismic importance factor

_____ Mapped spectral response
acceleration, S_s and S_1

_____ Spectral response coefficients,
 SDS & $SD1$

_____ Site class

_____ Seismic design category

_____ Basic seismic-force-resisting system

_____ Response modification coefficient, R ,

_____ Deflection Amplification Factor, C_d

_____ Analysis procedure

_____ Design base shear

Flood loads

_____ Flood hazard area

_____ Elevation of structure

Other loads

_____ Concentrated loads

_____ Partition loads

_____ Impact loads

_____ Misc.

QUALITY ASSURANCE (Chapter 17)

_____ Approvals/Research report(s)

Report No. _____

_____ Statement of special inspections

_____ Prefabricated items

_____ Steel construction

_____ Concrete construction

_____ Masonry construction

_____ Wood construction

_____ Prepared fill and foundations

_____ Sprayed fire-resistant materials and
coatings

_____ EIFS

_____ Smoke control

_____ Seismic Resistance

STRUCTURAL PLAN REVIEW

_____ Structural testing/Observation

_____ Testing (Other)

SOILS AND FOUNDATIONS (Chapter 18)

_____ Soils investigations/Reports

_____ Soil classification

_____ Excavation, grading and fill

_____ Load-bearing values

_____ Footings and foundations

_____ Retaining walls

_____ Dampproofing and waterproofing

_____ Foundations (other types)

CONCRETE (Chapter 19)

_____ Plain and reinforced concrete design/
construction standard

_____ Construction documents

_____ Minimum concrete strength

_____ Cold weather and hot weather
construction

_____ Slab provisions

MASONRY (Chapter 21)

_____ Design method, construction standard

_____ Construction documents

_____ Construction materials

_____ Mortar type

_____ Seismic design

_____ Cold weather and hot weather
construction

_____ Glass unit masonry

_____ Fireplaces/Heaters/Chimney

STEEL (Chapter 22)

_____ Structural steel design/construction
standard

_____ Open-web steel joist
design/construction standard

_____ Steel cable structures

_____ Steel storage racks

_____ Cold-formed steel design/
construction standard

_____ Cold-formed steel light-framed
design/construction standard

WOOD (Chapter 23)

_____ Design method option used

MATERIAL STANDARDS / CONST.REQ'MENTS

_____ Lumber

_____ Wood I-joists

_____ Glue-laminated timbers

_____ Wood structural panels

_____ Fiber-, hard-, & particle-, boards

_____ Decay and termite protection

_____ Structural composite lumber

_____ Structural log members

_____ Round timber poles and piles

_____ Fire-retardant-treated wood

_____ Hardwood and plywood

_____ Trusses

_____ Joist hangers and connectors

_____ Fasteners and fastening

STRUCTURAL PLAN REVIEW

_____ Heavy timber construction
_____ Shear walls and diaphragms

WOOD (Chapter 23) continued

CONVENTIONAL LIGHT-FRAME CONSTRUCTION

_____ Limitations satisfied
_____ Wind/Seismic requirements
_____ Braced walls
_____ Foundation anchorage
_____ Floor joists
_____ Wall studs
_____ Girders
_____ Ceiling joists
_____ Roof rafters
_____ Roof uplift

REVIEWER SIGNATURE: _____

DATE: _____