

Form # 3-S

Owner: _____ Reviewed by: _____

Location: _____ Date: _____

Residential Code of New York STEEL FRAME CONSTRUCTION PLAN REVIEW

	ITEM	CODE SECTION	REQUIRED	ACTUAL
1	<p>Steel Framing General Applicability limits</p> <p>In-Line Framing</p> <p>Structural Framing Size and Thickness</p> <p>Identification</p>	<p>R505.1.1 R603.1.1 R804.1.1</p> <p>R505.1.2 (floor) R603.1.2 (wall) R804.1.2 (roof)</p> <p>Figures & Tables R505.2 R603.2 R804.2</p> <p>R505.2.2 R603.2.2 R804.2.3</p>	<p>60' length 36' width 2 story, 10' max Max 110 mph wind Max 70 lb. Snow</p> <p>Tables based on material used</p>	
2	<p>Steel Frame Floor Construction Connections - steel to steel</p> <p>Floor to foundation or Bearing Wall Connections</p> <p>Connections details</p> <p>Fasteners</p> <p>Joist Spans</p> <p>Joist Bracing</p> <p>Stiffeners</p> <p>Cantilevers</p>	<p>R505.3 Figure R505.3</p> <p>Table R505.3.1(1)</p> <p>Figs R505.3.1(1) thru R505.3.1(8)</p> <p>Table R505.3.1(2)</p> <p>Table R505.3.2</p> <p>R505.3.3</p> <p>R505.3.4 Figure R505.3.4</p> <p>R505.3.7</p>		

	ITEM	CODE SECTION	REQUIRED	ACTUAL
3	<p>Steel Frame Walls</p> <p>Construction Details</p> <p> Connection Foundation or Floor</p> <p> Bearing Wall Fastening</p> <p> Stud Thickness Requirement 33 ksi yield strength</p> <p> 50 ksi yield strength</p> <p>Braced Wall Lines Seismic Cat. D1 and D2 110 ≤ Wind Regions</p>	<p>Section R603</p> <p>R603.3 Fig R603.3</p> <p>Table R603.3.1 Figs R603.3.1(1), (2)</p> <p>R603.3.2 Table R603.3.2(1)</p> <p>Tbls R603.3(2)-(7)</p> <p>Tbls R603.3(8)-(13)</p> <p>R603.8 R603.8</p>	<p>Braced wall lines and diaphragms required</p>	
3	<p>Steel Frame Roof Construction</p> <p>Fasteners</p> <p>Allowable Joist Spans</p> <p> Joist to Rafter connection</p> <p>Allowable Rafters Spans</p> <p>Bottom flange bracing Splicing</p> <p>Bearing Stiffeners Headers Framing Openings</p> <p>Roof Tie Downs</p>	<p>R804 Fig. R804.3</p> <p>Tbl. R804.3</p> <p>R804.3.1 Tbl R804.3.1(1) or Tbl R804.3.1(2)</p> <p>Tbl R804.3.1(3) Fig R804.3.1(1)</p> <p>R804.3.3 Table R804.3.3(1)</p> <p>R804.3.4 R804.3.7</p> <p>R804.3.8 R804.3.9 R804.3.10</p> <p>R804.4 Tbl R802.11</p>	<p>Fig R804.3 Fig R804.3.7(1) Fig R804.3.7(2) Fig R804.3.8 Tbl R603.6(1) Fig R804.3.10(1)-(2)</p> <p>Wall ties for 20 lbs uplift</p>	