Job Aid: Checklist for Design of Masonry

Structural Notes			
1.	0	Applicable code specified (city and date).	
2.	Ŏ	Applied loads shown including wind, seismic and live loads.	
2. 3.	0	Is the masonry strength f'm specified?	
	-	Is the method to verify the f'm specified? (Unit strength method).	
4.	0		
5.	0	Is type S mortar specified?	
6.	0	Is high or low lift grouting specified?	
7.	0	Are cleanouts required?	
8.	0	Is special inspection required? Are prism tests required?	
9.	0	Have full allowable stresses been used in the design?	
10.	0	Is h/t less than 30? If not, verify calculations.	
11.	0	Is the wall laterally supported with straps or other methods capable of resisting at least 420	
10	\circ	Ib/ft? Does the bar fit in the cell?	
12. 13.	0	Are locations of laps shown (Min. 48 dia.)? Are they in locations were stresses are less than	
13.	J	80% of the allowable?	
14.	0	Are dowel laps sufficient (Min. 48 dia.)?	
15.	0	Is there continuous horizontal reinforcement at the window, and door head?	
16.	0	Is there continuous horizontal reinforcement at the floor?	
17.	0		
18.	Ō		
19.	Õ	Are there provisions made in connections to accommodate thermal movement? (Steel roof	
10.		rigidly attached at a masonry corner)?	
20.	0	Is the brick masonry confined between other materials without expansion joints?	
21.	0	Is a color, pattern and workmanship panel required?	
22.	0	Is a grouting demonstration panel required?	
23.	Ō	Are materials specified in accordance with the correct standards? • O Brick?	
20.	Ō	Is the Hollow clay brick of sufficient strength? • Cement? • Lime? • Sand?	
	Ŏ	Grout? O Mortar? O Is the mortar specified by proportions?	
24.	0	Reinforcement? O Is weldable steel required? Are there requirements for handling and storage of materials?	
24. 25.	0	Is there a requirement for a preconstruction meeting?	
23. 26.	0	Are shop drawings required?	
20. 27.	0	Are control joint size and materials specified?	
28.	0	Are sealant compatibility tests required?	
29.	0	Are the cleaning methods included?	
30.	0	Does the specification require wetting of the brick?	
31.	0	Are the joint finished specified? If raked joints are used is this in the analysis?	
32.	0	Are weep holes and fill materials specified?	
33.	0	Is the sealing procedures and materials specified?	
34.	0	Are cold weather and hot weather construction provisions included?	
35.	0	Are requirements for protecting the work included?	
36.	0	Is it required to verify dimensions prior to laying the masonry?	
37.	0	Is a written quality control procedure required?	