

FORMS, FALSEWORK AND CONCRETE OPERATIONS			
Contract Name and Number:		Contractor/Subcontractor:	
Government QA/ET:		Location:	
Contractor Inspector:		Date:	
	Yes	No	N/A
1. Are protective clothes and equipment (boots, gloves, goggles, etc.) provided when placing concrete? (05.A.01)			
2. Has a qualified person, in structural design, determined the structure or portion of the structure is capable of supporting the construction load? (27.A.01)			
3. Has all formwork, shoring, and bracing been designed, fabricated, erected, supported, braced, and maintained to support all vertical and lateral loads until loads can be supported by the structure? (27.B.01)			
4. Has the planning and design of formwork and shoring been done in accordance with ACI Publication 347?(27.B.02a)			
5. Are manufacturer's specifications for fabricated shoring systems available at the job site? (27.B.02c)			
6. Has all shoring equipment been inspected prior to erect? (27. B.06b)			
7. Have all single post shores been designed and inspected by an engineer qualified in structural design? (27.B.09a)			
8. Are vibrators, concrete finishers, portable electric tools properly grounded? (11.C.01b)			
9. Do plans for removal of formwork indicate they will not be removed until proper procedures or concrete has gained sufficient strength? (27.B.13)			
10. Are plans for reshoring in place until concrete has attained adequate strength? (27.B.13a(2) b)			
11. Are good housekeeping practices enforced during construction? (14.C.01)			
12. Are tools, material, extension cords, hoses, and debris maintained so as to not cause tripping or other hazards. (14.C.04)			
13. Have all protruding nails, rods, wires been removed, hammered down, or bent over. (14.C.08)			
14. Is safe access to the operations provided? (21.A.01)			
15. Do ramps, stairs, walkways have guard and intermediate rails complete with toe boards? (21.B.01)			
16. Do the portable ladders extend at least 3 feet above platform, roof, or landing? (21.D.02b)			
17. Are portable ladders secured top, middle, and bottom? (21.D.08d)			
18. Are transverse cleats provided where inclined ramps exceed 1-on-5 (1 foot in a 5-foot run)? (21.F.01)			
19. Are employees prohibited from working above or in positions exposed to protruding reinforcing steel or other impalement hazards unless provisions have been made to control the hazard? (27.A.02)			
20. Are manually guided powered and rotating concrete troweling machines equipped with a control switch that will automatically shut off the power whenever the operator removes his/her hands from the equipment handles? (27.A.04d)			
21. Is all formwork, shoring, and bracing designed, fabricated, erected, supported, braced, and maintained so that it will safely support all vertical and lateral loads? (27.B.01)			
22. Have the design, erection, and removal plans been submitted for review to the Designated Authority? (27.B.02b)			

23. Have splices been designed and constructed to prevent buckling and bending? (27.B.04)			
24. Is sufficient bracing provided to prevent buckling or displacement? (27.B.05)			
25. Is shoring inspected prior to, during, and immediately after placement of concrete? (27.B.06b)			
26. Are single post shores vertically aligned and spliced to prevent misalignment? (27.B.09b)			
27. Have all nails used to secure bracing or adjustable timber single post shores been driven home and the point of the nail bent over if possible? (27.B.09g)			
28. Is the material used for couplers (tube and coupler shoring) made of a structural type such as drop-forged steel, malleable iron, or structural grade aluminum? (27.B.10a)			
29. Are all locking devices on frames and braces (tubular welded-frame shoring) in good working order? (27.B.11a)			
30. Are the steel rods or pipe on which the jacks climb or by which the forms are lifted designed specifically for that purpose? (27.B.12a)			
31. Are precast concrete members adequately supported? (27.C.01)			
32. Are lifting inserts which are embedded or otherwise attached to precast concrete members, other than tilt-up members, capable of supporting at least four times the maximum intended load applied or transmitted to them? (27.C.02b)			
33. Are lift-slab operations planned and designed by a registered engineer or architect and are plans submitted to the Designated Authority for review? (27.D.01)			
34. Do the threaded rods and other members that transmit loads to the jacks have a minimum safety factor of 2.5? (27.D.02b)			
35. Do hydraulic jacks used in lift slab construction have a safety device which will cause the jacks to support the load in any position if the jack malfunctions? (27.D.02e)			
36. Is the jack blocked or cribbed when it is necessary to provide a firm foundation? (27.D.03a)			
Comments:			

This checklist is based on EM 385-1-1, dated 3 November 2003. Use of this checklist is optional. JMH