Information Section Fasteners

1. What three properties of a nail determine the holding power?
2. What material is typically used for nails?
3. What are the main advantages of screws over nails?
4. What is the range of gauge numbers for screws?
5. What are three effects of tightening a screw too much?
6. What materials are typically used for lag bolts?
7. What is the purpose of the washer placed under the head of a lag bolt?
8. What is the advantage of hangar bolts over lag bolts?
9. What is the main difference between a self tapping and a self drilling screw?
10. What is the main advantage of self drilling screws?
11. What is the length range for regular machine screws?
12. What is the difference between a machine screw and a machine bolt?
13. What type of thread is on a screw extractor?
14. What is a castellated nut?
15. What are cap nuts?
16. What is an elastic stop nut?
17. How does compressive strength affect holding power for fasteners?
18. What are three ways a fastener may fail in concrete?
19. What is shear capacity?
20. What is the rule of spacing for anchors embedded in concrete?
21. What is the main advantage of a star expansion fastener?
22. What are some precautions for using fiber screw anchors?
23. What is one application where lead screw anchors would be recommended?

24. What is one application where white bronze screw anchors would be recommended?

25. What is one application where plastic screw anchors would be recommended?

26. How are beam clamps fastened to the beam?