Information from Construction Documents Part 2

Reference Architectural Graphic Standards and Building Construction Illustrated
Use your group’s CDs for this homework, except questions noted as NCS (National Cad Standard) or Sweets Catalog/Network online at http://sweets.construction.com/ (free registration at site) or the large green Sweets Catalogs.
This is a group homework. Try sharing a google document so all members can edit the file at the same time.
see https://support.google.com/drive/answer/2494822?hl=en

For all answers either list the Drawing sheet number and detail number or Specification page number

1. List one item that is listed in the specifications but would not be shown on the drawings.
Detector Check Valves installation specifications. (Set valve to allow minimum water flow through bypass meter when major water flow is required)
Specs,210500 pg 11 section 2.7 pt. A

2. List one item that is shown on the drawings but would not be listed in the specifications.
Location of reception desk. (distance from the wall, height, depth) A804

3. List a door number (with UL/fire rating) and find the material for the frame and door. What is the UL/fire rating?
   a. Access doors (p.339)
b. 083113  
c. 1-½ hours  
d. Steel doors and frames  

4. Find and list 3 partition type symbols and list all of the materials for a bathroom wall from the partition/wall types.
   a. see drawings

b. Bathroom wall:
   i. 4" CMU  
   ii. horizontal joint reinforcement  
   iii. 1' - 4" O.C. Vert.  
   iv. 3 ¾" metal stud kickers at top of wall  
   v. A101

5. Where is the Bench Mark and what elevation is it?  
   a. 21131ft.  
   b. on Hillis Carnes Engineering Associates Plan  
   c. Full Spec Set pg 1238  

6. What is the minimum depth from exterior grade to the bottom of the footer for an exterior wall?  
   2'-6' minimum  
   S204

7. What is the design snow depth listed in IBC for the location where is building is built?  
   05 4000-2  
   360 (L/360), or a maximum of 1” – whichever is less.

8. What is the width of the structural wall (metal studs, CMU’s, Concrete) used for a stair well?
8" CMU, and total wall thickness is 9 ⅛"  
A101

9. What is the smallest interior wall width?  
3 ⅛"  
A101

Shaft wall

10. List a manufacturer for a finish floor material.  
- Sheet 405 093013-3  
- Bostik

11. List a manufacturer for gypsum wall board.  
-Sheet 398 092900-2  
-Georgia-Pacific Corp.  
-United States Gypsum Co.

12. List a manufacturer of steel doors or steel frames.  
- Sheet 081113-3  
- Amweld Building Products, LLC.  
- Ceco Door Products; an ASSA ABLOY Group Company.

13. What is the strength of the reinforcing?  
Specs, 03 2000-1, sect. 2.1  
All Bars: Use Grade 60 (yield) min. 60,000 psi.

1500 psi(all inside concrete unless otherwise noted) -2800psi (all exterior concrete)  
from specs  
042000-2

15. What is the strength of the steel?  
Grade 50, Fy = 50ksi, Fu = 65ksi  
S201