## **Cobb County Fire & Emergency Services**

Fire Sprinkler System Checklist (NFPA 13, 2013 Ed)¹ NEW: REVISION: TENANT FINISH: RETROFIT: Job Name: Address: Zip: Bldg/Suite: Total heads: Phone:  GENERAL BUILDING INFORMATION Occupancy Type: Permit Number: Fire Sprinkler Company: Phone: Contact Email: Type: Wet: Dry: Pre-action: Combination: Type: Wet Dry: Pre-action: Combination: Provide 3 sets of drawings, 1 set of submittal data, 1 set of calculations, E-mail or provide a CD with PDF Regulations, and any Cobb County Ordinances.  1) Provide 3 sets of drawings, 1 set of submittal data, 1 set of calculations, E-mail or provide a CD with PDF Regulations, and any Cobb County Ordinances.  3) Certificate of Competency or PE seal including original signature (120-3-19) 4) Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3) 5) Location key map and north arrow in order to define the location of work within a building (23.1.3) 6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3) 7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3) 8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail: (23.1.3)  PPRINKLER COVERAGE? (3.5) / SYSTEM / RISERS / FDC / PIV (8.1.1) 10) Basic Requirements: Verify spacing, location and position of sprinklers (8.2) 14) Show celling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6) 15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4) 16) Show RPV locations and settings (i.e. PRV s 175 psi). (8.16.1.2; 23.1.3) PRVs on standplipes are required to have 2 gauges per NFPA 14:5.5.2.1						
Job Name:						
Address: City: Zip: Bldg/Suite: Total heads: Phone:() GENERAL BUILDING INFORMATION Occupancy Type: Permit Number: Fire Sprinkler Company: Phone: () Contact Email: Type: Wet: Dry: Pre-action: Combination:						
Address: City: Zip: Bldg/Suite: Total heads: Phone:() GENERAL BUILDING INFORMATION Occupancy Type: Permit Number: Fire Sprinkler Company: Phone: () Contact Email: Type: Wet: Dry: Pre-action: Combination:						
City:						
Total heads:Phone:(						
GENERAL BUILDING INFORMATION Occupancy Type:						
Occupancy Type:						
Fire Sprinkler Company: Phone: (						
Fire Sprinkler Company: Phone: (						
Plan Review  Type: Wet: Dry: Pre-action: Combination: CURRENT VENDOR: YES: NO: Pre-action: Combination: CURRENT VENDOR: YES: NO: V=Pass, X=Fail, E=Existing, NA=Not applicable  PRAWING SUBMITTAL REQUIREMENTS  SUBJECT TO AUTOMATIC REJECTION  1) Provide 3 sets of drawings, 1 set of submittal data, 1 set of calculations, E-mail or provide a CD with PDF files of all documents.  2) Declaration of Applicable Current Codes: NFPA 13 (2013), NFPA 101 (2012), 120-3-3 Rules and Regulations, and any Cobb County Ordinances.  3) Certificate of Competency or PE seal including original signature (120-3-19)  4) Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3)  5) Location key map and north arrow in order to define the location of work within a building (23.1.3)  6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3)  7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE <sup>2</sup> (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
CURRENT VENDOR: YES: NO:   ✓=Pass, X=Fail, E=Existing, NA=Not applicable  Frovide 3 sets of drawings, 1 set of submittal data, 1 set of calculations, E-mail or provide a CD with PDF files of all documents.  Declaration of Applicable Current Codes: NFPA 13 (2013), NFPA 101 (2012), 120-3-3 Rules and Regulations, and any Cobb County Ordinances.  Certificate of Competency or PE seal including original signature (120-3-19)  Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3)  Location key map and north arrow in order to define the location of work within a building (23.1.3)  Location key map and north arrow in order to define the location of work within a building (23.1.3)  Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  Disasic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
CURRENT VENDOR: YES: NO:   ✓=Pass, X=Fail, E=Existing, NA=Not applicable  Frovide 3 sets of drawings, 1 set of submittal data, 1 set of calculations, E-mail or provide a CD with PDF files of all documents.  Declaration of Applicable Current Codes: NFPA 13 (2013), NFPA 101 (2012), 120-3-3 Rules and Regulations, and any Cobb County Ordinances.  Certificate of Competency or PE seal including original signature (120-3-19)  Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3)  Location key map and north arrow in order to define the location of work within a building (23.1.3)  Location key map and north arrow in order to define the location of work within a building (23.1.3)  Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  Disasic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
V=Pass, X=Fail, E=Existing, NA=Not applicable  DRAWING SUBMITTAL REQUIREMENTS  SUBJECT TO AUTOMATIC REJECTION  1) Provide 3 sets of drawings, 1 set of submittal data, 1 set of calculations, E-mail or provide a CD with PDF files of all documents.  2) Declaration of Applicable Current Codes: NFPA 13 (2013), NFPA 101 (2012), 120-3-3 Rules and Regulations, and any Cobb County Ordinances.  3) Certificate of Competency or PE seal including original signature (120-3-19)  4) Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3)  5) Location key map and north arrow in order to define the location of work within a building (23.1.3)  6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3)  7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 1.75 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
PRAWING SUBMITTAL REQUIREMENTS  1) Provide 3 sets of drawings, 1 set of submittal data, 1 set of calculations, E-mail or provide a CD with PDF files of all documents.  2) Declaration of Applicable Current Codes: NFPA 13 (2013), NFPA 101 (2012), 120-3-3 Rules and Regulations, and any Cobb County Ordinances.  3) Certificate of Competency or PE seal including original signature (120-3-19)  4) Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3)  5) Location key map and north arrow in order to define the location of work within a building (23.1.3)  6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3)  7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
1) Provide 3 sets of drawings, 1 set of submittal data, 1 set of calculations, E-mail or provide a CD with PDF files of all documents.  2) Declaration of Applicable Current Codes: NFPA 13 (2013), NFPA 101 (2012), 120-3-3 Rules and Regulations, and any Cobb County Ordinances.  3) Certificate of Competency or PE seal including original signature (120-3-19)  4) Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3)  5) Location key map and north arrow in order to define the location of work within a building (23.1.3)  6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3)  7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
files of all documents.  2) Declaration of Applicable Current Codes: NFPA 13 (2013), NFPA 101 (2012), 120-3-3 Rules and Regulations, and any Cobb County Ordinances.  3) Certificate of Competency or PE seal including original signature (120-3-19)  4) Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3)  5) Location key map and north arrow in order to define the location of work within a building (23.1.3)  6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3)  7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
2) Declaration of Applicable Current Codes: NFPA 13 (2013), NFPA 101 (2012), 120-3-3 Rules and Regulations, and any Cobb County Ordinances.  3) Certificate of Competency or PE seal including original signature (120-3-19)  4) Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3)  5) Location key map and north arrow in order to define the location of work within a building (23.1.3)  6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3)  7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
Regulations, and any Cobb County Ordinances.  3) Certificate of Competency or PE seal including original signature (120-3-19)  4) Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3)  5) Location key map and north arrow in order to define the location of work within a building (23.1.3)  6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3)  7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE <sup>2</sup> (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
3) Certificate of Competency or PE seal including original signature (120-3-19) 4) Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3) 5) Location key map and north arrow in order to define the location of work within a building (23.1.3) 6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3) 7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3) 8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply. 9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1) 10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1) 11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9)) 12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3) 13) Provide total square footage for area protected by fire sprinkler system (8.2) 14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6) 15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4) 16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
4) Use a common scale (1/8" = 1' is preferred) and graphic scale (23.1.3)  5) Location key map and north arrow in order to define the location of work within a building (23.1.3)  6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3)  7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
5) Location key map and north arrow in order to define the location of work within a building (23.1.3) 6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3) 7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3) 8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply. 9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1) 10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1) 11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9)) 12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3) 13) Provide total square footage for area protected by fire sprinkler system (8.2) 14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6) 15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4) 16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
6) Label all rooms and specify hazard class per area (5.1.2 and 23.1.3)  7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
7) Provide a legend for system components and sprinkler heads: Quantity (total page & total project), SIN #, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
#, Make, Type, Sensitivity, K-Factor, Diameter, Temp Rating, Max spacing (23.1.3)  8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
8) Provide a copy of the FIRE LINE APPROVED utility plan stamped by CCFMO for new sprinkler systems; Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
Show location of FDC (8.17.2.4.1); PIV and related supply.  9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
9) Provide an accurate riser detail. (23.1.3)  SPRINKLER COVERAGE² (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
SPRINKLER COVERAGE <sup>2</sup> (8.5) / SYSTEM / RISERS / FDC / PIV (8.1.1)  10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
10) Basic Requirements: Verify spacing, location and position of sprinklers (8.1)  11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
11) Provide intermediate temperature heads for coolers/freezers (8.3.2.5 (9))  12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
12) Provide general note and code reference where sprinklers are to be omitted. (23.1.3)  13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
13) Provide total square footage for area protected by fire sprinkler system (8.2)  14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6)  15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4)  16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
14) Show ceiling heights and branch line elevations with deflector positions. (8.5.4; 8.5.6) 15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4) 16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
15) Identify small room rule (S.R.R) locations and dimensions for light hazard areas only (8.6.3.2.4) 16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). (8.16.1.2; 23.1.3) PRV's on standpipes are required to have 2 gauges per NFPA 14:5.5.2.1						
16) Show PRV locations and settings (i.e. PRV ≤ 175 psi). <b>(8.16.1.2; 23.1.3) PRV's on standpipes are</b> required to have 2 gauges per NFPA 14:5.5.2.1						
required to have 2 gauges per NFPA 14:5.5.2.1						
18) Show method of freeze protection and include details (8.16.4.1)						
19) Identify the FDC piping, pipe size, check valve location, and ball drip. (6.8 and 8.17)						
20) Provide inspectors test, auxiliary drains and remote drains (8.16.2.1 and 8.17.4.2.1)						
21) Provide a method for flushing at systems demand when a backflow device is required (8.17.4.6.1)						
22) Provide hanger detail for each hanger used and show spacing per table 9.2.2.1 (9.2)						
23) When systems are >100 psi provide details and general note of securing end of branch lines (9.2.3.4.4)						
24) Storage occupancies require ordinary, intermediate or high temperature heads for wet systems and high						
temperature only for dry pipe. (8.4.7.3.2-4)						
OBSTRUCTIONS, CONCEALED SPACES AND SPECIAL SITUATIONS (8.X.5 and 8.15)						
25) Identify ceiling pockets, stairways (void spaces under), elevators/hoist way, exterior projections,						
electrical/mechanical/janitorial rooms, overhead doors, storage/warehouse rooms (8.15.1-11)  26) Identify deflector to deck and ceiling construction type, insulated or pop-insulated and provide slopes of						
26) Identify deflector to deck and ceiling construction type, insulated or non-insulated and provide slopes of ceilings (8.5.4; 8.5.4.1.3; 8.6.4)						
27) Identify the clearance between the deflector and the top of the storage/contents of the room. <b>(8.5.6)</b>						
28) Identify obstructions to sprinkler discharge pattern development (8.5.5.2 and 8.7.5)						
28) Identify obstructions to sprinkler discharge pattern development. <b>(8.5.5.2 and 8.7.5)</b> 29) All sprinklers under skylights or in unventilated areas shall be intermediate temperature; <b>provide a</b>						

Page 1 of 2 10/4/2017

30) Identify obstructions > 4' including ductwork, open grate floors, and cloud ceilings; <b>provide a general</b>							
note. (8.5.5.3.1)							
31) Identify temperature restrictive areas, hanging heaters or other heat producing devices; <b>provide a general note.</b> (8.3.2.1)							
32) Identify all canopies, loading docks or similar areas; provide a general note. (8.15.7.1)							
CONSTRUCTION AND MATERIALS <sup>4</sup>							
33) Breezeway Crossings: Require a P.E. / F.P.E. stamp, job specific, worse case crossing calculations per permit. Include UL number for penetration details. Multiple calculations may be required.							
34) Show all pipe materials, schedules, pipe sizes, cut lengths, and routing to include changes in elevations (23.1.3)							
35) Provide documentation to support that all materials, system components and hardware are listed for fire service or intended use. (23.1.3; 6.1; table A.6.1.1) <sup>3</sup>							
36) Provide a listed detail for penetrations & identify any fire walls, fire barriers or partitions. (23.1.3)							
37) Provide elevation drawings showing ceiling/floor slope and construction and incorporate sprinkler system: multiple elevation drawings maybe required (8.5 and 23.1.3)							
38) Provide a detail showing exposed dry barrel length (minimum 2" from face of fitting to insulation) (Table 8.4.9.1(a))							
DRY/PREACTION SYSTEM							
39) Provide capacity in gallons for dry pipe systems (7.2)							
40) Identify the time requirement for water activation of dry system is over 750 gallon capacity. <b>(7.2.3.6)</b>							
41) Identify the slope and direction of slope for sprinkler piping. (8.16.2)							
42) Show the location of remote drains where required. <b>(8.16.2.5.3)</b>							
43) Show type and location of alarms and valves for pre-action, dry or deluge pipe valve (23.1.3)	EADC						
HYDRAULIC CALCULATIONS - REQUIRED FOR NEW or MODIFICATION OF 30 OR MORE SPRINKLER HI	EADS						
44) All remote areas are clearly defined & call out the design data for the remote area.							
45) Water demand requirements and design areas are clearly marked for the applicable areas (occupancy hazard/special design) (11.1.4)							
hazard/special design) (11.1.4) 46) Remote areas with 30% increase: Dry pressure & ceiling slope greater than 2 in 12. (11.2)							
hazard/special design) (11.1.4)  46) Remote areas with 30% increase: Dry pressure & ceiling slope greater than 2 in 12. (11.2)  47) Provide a map locating flow/static hydrants, elevation, date, and witness of the flow test within 6 months of submittal. COBB COUNTY WATER DEPARTMENT FLOW TEST ARE NOT ACCEPTED							
hazard/special design) (11.1.4)  46) Remote areas with 30% increase: Dry pressure & ceiling slope greater than 2 in 12. (11.2)  47) Provide a map locating flow/static hydrants, elevation, date, and witness of the flow test within 6 months of submittal. COBB COUNTY WATER DEPARTMENT FLOW TEST ARE NOT ACCEPTED  48) Provide a 24-hr pressure test for all new systems within 6 months of submittal on the plans; the witness name and account for lowest pressure over any 30 min. (23.4)							
hazard/special design) (11.1.4)  46) Remote areas with 30% increase: Dry pressure & ceiling slope greater than 2 in 12. (11.2)  47) Provide a map locating flow/static hydrants, elevation, date, and witness of the flow test within 6 months of submittal. COBB COUNTY WATER DEPARTMENT FLOW TEST ARE NOT ACCEPTED  48) Provide a 24-hr pressure test for all new systems within 6 months of submittal on the plans; the witness name and account for lowest pressure over any 30 min. (23.4)  49) Call out the backflow model and meter. (23.1.3)							
hazard/special design) (11.1.4)  46) Remote areas with 30% increase: Dry pressure & ceiling slope greater than 2 in 12. (11.2)  47) Provide a map locating flow/static hydrants, elevation, date, and witness of the flow test within 6 months of submittal. COBB COUNTY WATER DEPARTMENT FLOW TEST ARE NOT ACCEPTED  48) Provide a 24-hr pressure test for all new systems within 6 months of submittal on the plans; the witness name and account for lowest pressure over any 30 min. (23.4)							
hazard/special design) (11.1.4)  46) Remote areas with 30% increase: Dry pressure & ceiling slope greater than 2 in 12. (11.2)  47) Provide a map locating flow/static hydrants, elevation, date, and witness of the flow test within 6 months of submittal. COBB COUNTY WATER DEPARTMENT FLOW TEST ARE NOT ACCEPTED  48) Provide a 24-hr pressure test for all new systems within 6 months of submittal on the plans; the witness name and account for lowest pressure over any 30 min. (23.4)  49) Call out the backflow model and meter. (23.1.3)							
hazard/special design) (11.1.4)  46) Remote areas with 30% increase: Dry pressure & ceiling slope greater than 2 in 12. (11.2)  47) Provide a map locating flow/static hydrants, elevation, date, and witness of the flow test within 6 months of submittal. COBB COUNTY WATER DEPARTMENT FLOW TEST ARE NOT ACCEPTED  48) Provide a 24-hr pressure test for all new systems within 6 months of submittal on the plans; the witness name and account for lowest pressure over any 30 min. (23.4)  49) Call out the backflow model and meter. (23.1.3)  50) Provide static pressure, residual pressures and flow of the water supply (23.1.3)							
hazard/special design) (11.1.4)  46) Remote areas with 30% increase: Dry pressure & ceiling slope greater than 2 in 12. (11.2)  47) Provide a map locating flow/static hydrants, elevation, date, and witness of the flow test within 6 months of submittal. COBB COUNTY WATER DEPARTMENT FLOW TEST ARE NOT ACCEPTED  48) Provide a 24-hr pressure test for all new systems within 6 months of submittal on the plans; the witness name and account for lowest pressure over any 30 min. (23.4)  49) Call out the backflow model and meter. (23.1.3)  50) Provide static pressure, residual pressures and flow of the water supply (23.1.3)  51) Provide elevations of the hydrant, the base of riser, sprinklers and junction points (23.1.3)							
hazard/special design) (11.1.4)  46) Remote areas with 30% increase: Dry pressure & ceiling slope greater than 2 in 12. (11.2)  47) Provide a map locating flow/static hydrants, elevation, date, and witness of the flow test within 6 months of submittal. COBB COUNTY WATER DEPARTMENT FLOW TEST ARE NOT ACCEPTED  48) Provide a 24-hr pressure test for all new systems within 6 months of submittal on the plans; the witness name and account for lowest pressure over any 30 min. (23.4)  49) Call out the backflow model and meter. (23.1.3)  50) Provide static pressure, residual pressures and flow of the water supply (23.1.3)  51) Provide elevations of the hydrant, the base of riser, sprinklers and junction points (23.1.3)  52) Hydraulic reference points must be shown; include the test hydrant, meter, and backflow (23.1.3)  53) Provide details of the hydraulic placard that will be posted on the riser and include all hazards. (25.5.2)	ROVED						
hazard/special design) (11.1.4)  46) Remote areas with 30% increase: Dry pressure & ceiling slope greater than 2 in 12. (11.2)  47) Provide a map locating flow/static hydrants, elevation, date, and witness of the flow test within 6 months of submittal. COBB COUNTY WATER DEPARTMENT FLOW TEST ARE NOT ACCEPTED  48) Provide a 24-hr pressure test for all new systems within 6 months of submittal on the plans; the witness name and account for lowest pressure over any 30 min. (23.4)  49) Call out the backflow model and meter. (23.1.3)  50) Provide static pressure, residual pressures and flow of the water supply (23.1.3)  51) Provide elevations of the hydrant, the base of riser, sprinklers and junction points (23.1.3)  52) Hydraulic reference points must be shown; include the test hydrant, meter, and backflow (23.1.3)  53) Provide details of the hydraulic placard that will be posted on the riser and include all hazards. (25.5.2)	ROVED						

<sup>4</sup> Information for storage areas to include: Type of storage, class type (I-IV and group A plastics), max storage height, ceiling height, method of packaging, shelving/piled methods, encapsulated or non-encapsulated, and fire sprinkler design requirements or current hydraulic placarding. A completed CPA maybe required before sprinkler plans are reviewed.

Flow Test Date:			24 hr. Tes	t Date:		
Static:p	osi	Residual: _	psi	Flow:		gpm
Design Density/	Area:		gpm/		_ ft²	
Comments:						

Reviewer: \_\_\_\_\_

Page 2 of 2 10/4/2017

Date: \_\_\_\_\_