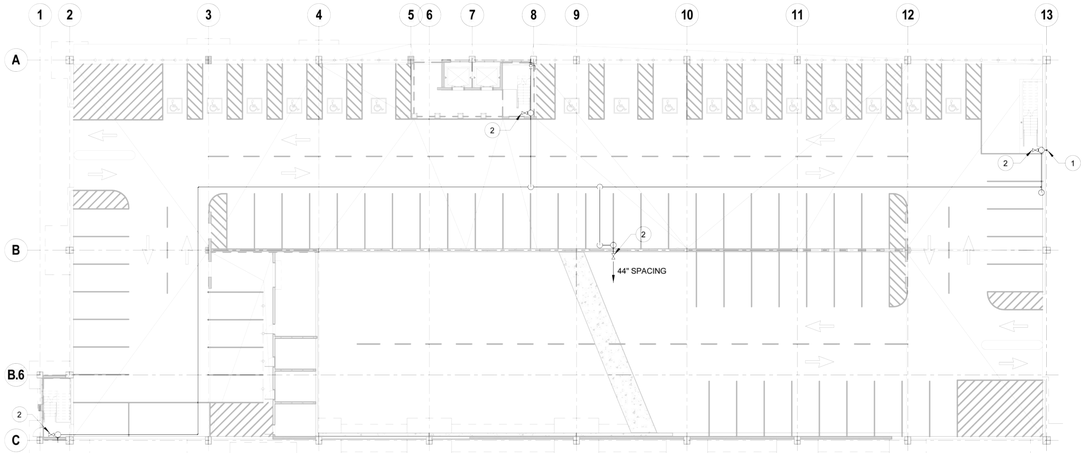
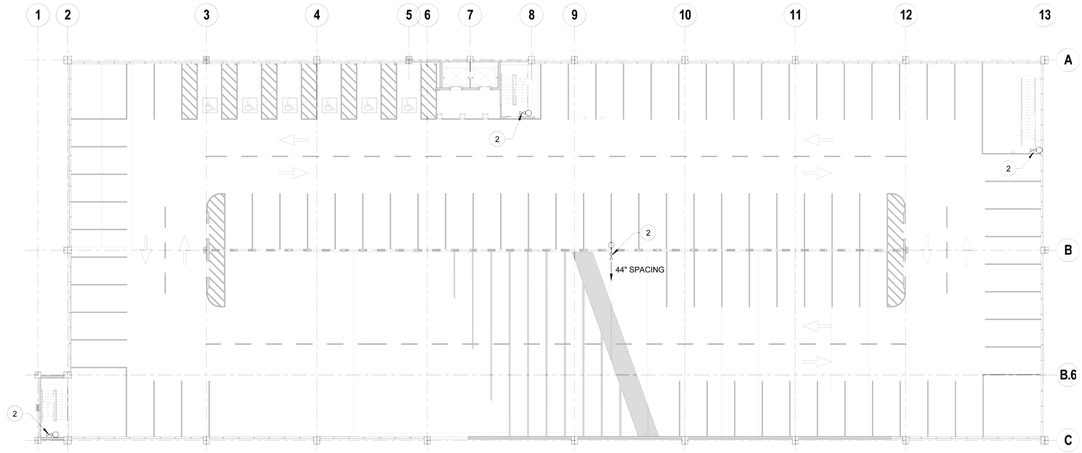
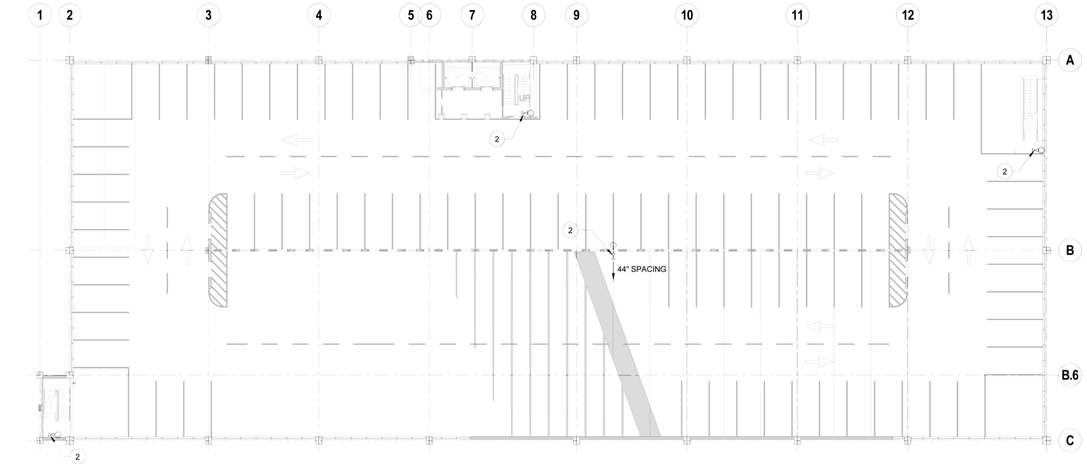


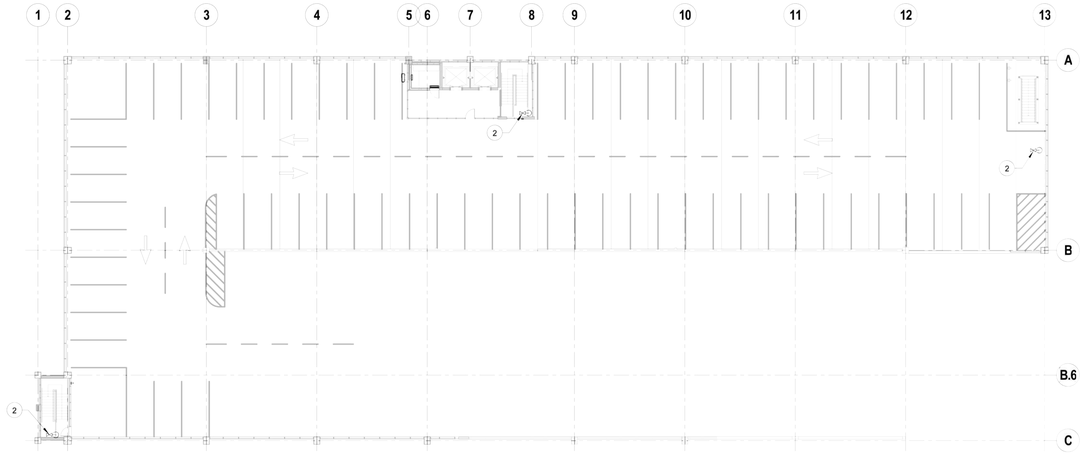
1 FX101 LEVEL 1 - FIRE SUPPRESSION PLAN
1" = 20'-0"



2 FX101 LEVEL 2 - FIRE SUPPRESSION PLAN
1" = 20'-0"

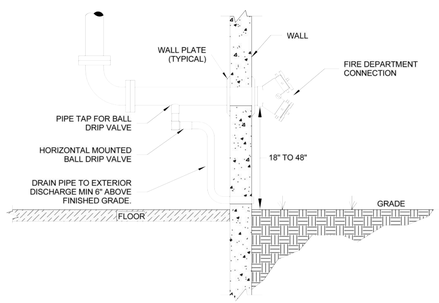


3 FX101 LEVEL 3 - FIRE SUPPRESSION PLAN
1" = 20'-0"



4 FX101 LEVEL 4 - FIRE SUPPRESSION
1" = 20'-0"

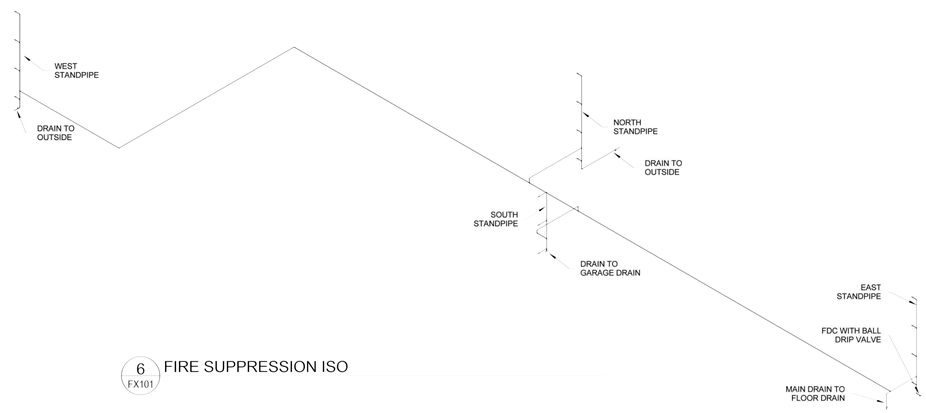
KEY	NOTE
1	PROVIDE FIRE DEPARTMENT CONNECTION ON EXTERIOR, 36" ABOVE GRADE. PROVIDE DRAIN TO EXTERIOR. REFER TO DETAIL 5/FX101.
2	2- 1/2" HOSE VALVE CONNECTIONS AT EACH FLOOR.



5 FX101 WALL MOUNTED FIRE DEPARTMENT CONNECTION DETAIL
1" = 1'-0"

FIRE SUPPRESION GENERAL NOTES

1. Provide Manual Dry Standpipe. Hydraulically sized per requirements of NFPA 14 (Minimum 4") with 2-1/2" hose valve connection at each floor mounted with center of hose valve located between 3 and 5 feet above finished floor (AFF). All hose valve connections and stations are to be located clear of obstructions and shall not be obstructed by any closed or open stairwell door(s) or other objects.
2. Provide Fire Department Connection (FDC) on exterior above grade within 100' of nearest hydrant, visible and recognizable from the street or nearest fire department access.
   FDC to be 18"-48" above grade measured to center, provide sign indicating pressure required at FDC to meet system design demand.
   Provide the size, type, and location as required by local fire protection service and capacity per requirements of NFPA 14.
   Connections shall be threaded to match those of the local fire protection service. Provide sign at each FDC location indicating "STANDPIPE - MANUAL DRY SYSTEM".
3. Provide drain to exterior sized per requirements of NFPA 14. Refer to STANDPIPE DETAIL SHEET.
4. Route all pipe tight to underside of structure.
5. Design, installation, and testing shall be in accordance with the requirements of NFPA 14 for a Class I Manual Dry Standpipe System except as modified by STANDPIPE SPECIFICATION SECTION.
6. Hydraulically size all standpipes and interconnecting pipes to provide minimum residual pressure of 100 psi at the outlet of the hydraulically most remote 2-1/2" hose connection when supplying water flow rate required by NFPA 14 for the system.
7. Provide sign per NFPA 14 indicating "MANUAL DRY STANDPIPE" in approved location.
8. Provide sign with hydraulic design information as required by NFPA 14 in approved location.
9. Provide signs on all main and sectional control valves indicating portion of the system controlled by the valve per requirements of NFPA 14.
10. Provide signs on all control, drain, and test connection valves indicating the purpose of each valve per requirements of NFPA 14.
11. Provide signs for each hose connection not located in an exit stairwell to identify the location of the hose connection in an approved manner per the requirements of NFPA 14 and NFPA 170.



6 FX101 FIRE SUPPRESSION ISO

Revisions:	Date

VA | U.S. Department of Veterans Affairs

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CONSTRUCTION DOCUMENTS

Drawing Title: FIRE SUPPRESSION PLANS	Project Title: CONSTRUCT PARKING GARAGE	A/E Project Number: 15.1003	OFFICE OF FACILITIES MANAGEMENT
		Building Number: BLDG 108	
Approved for Design Concept: FACILITY MANAGEMENT DIVISION MANAGER	Location: COLUMBIA, SC VAMC	Drawing Number: FX101	VA Project Number: 544-306
	Date: 4 DEC 2015 / Checked By: CC / Drawn By: ORD		VA U.S. Department of Veterans Affairs

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