



LEGEND

- Discharge valve, gate of rise or protection type valves
- Dry pipe valve with back opening device
- Standpipe
- Fire pump
- Wall type post indicating valve
- Check valve (Detector check or back flow)
- Flow alarm
- Hose connection
- Outside screw and yoke valve (OS&Y)
- Fire department connection
- Elevators or stairs complete on all floors without enclosures
- Automatic sprinkler point of distribution
- Gate valve, non-rising stem, pressure relief valve (PRV), gate opening valve (GOV) or as noted on plan
- Alarm check valve
- Dry or frost proof hydrant with fire department pump connection (number of hoses indicates number of hose outlets)

SPRINKLER SYSTEM DATA

RISER LOCATION	Type	Pipe	Temp	HYDRAULICALLY DESIGNED SYSTEM DATA			
				Inlet	Outlet	Flow (gpm)	Pressure (psi)
Section A (Main Entry Floor)				0.15	1000	302	107
Section A (Power Source)				0.15	1000	320	140
Section B (Concourse Floor)				0.15	1000	385	142
Section C (Basketball Floor)				0.15	1000	287	137
Section D (Weight Room)				0.15	1000	285	88
Section A (Lobby Floor)				0.10	1000	344	147
Section B (Lobby Floor)				0.10	1000	275	100
Section C (Main Entry Floor)				0.15	1000	411	138
Section D (Office Rooms)				0.20	2000	723	71
Section D (Waiting Area)				0.20	2000	688	141
Section B (Waiting Area)				0.11	1000	338	144
Section C (Waiting Area)				0.11	1000	337	138
Section C (Waiting Area)				0.11	1000	325	86
Section D (Waiting Area)				0.11	1000	343.4	100
Section A (Concourse Spk)				0.10	1000	497.9	143.1
Section B (Concourse Spk)				0.15	1000	904.5	114.5
Section C (Concourse Spk)				0.10	1000	471.1	103.8
Section D (Concourse Spk)				0.10	1000	501.5	125.4
Section A & D (Halls @ Balcony)				0.15	1000	692.5	137.3
Section B & C (Halls @ Balcony)				0.15	1000	693.1	142.9
Assembly				0.10	1000	423	123

REVISIONS

DR	CH	DATE	CHANGES MADE
LS		Apr-2-14	For Regular Risk Evaluation of E.R. Cuernia, Mar-5-14
KJM		Oct-25-12	For Interim Risk Evaluation of E.R. Cuernia, Oct-3-12
DPS		Oct-7-11	For Baseline Risk Evaluation of E.R. Cuernia, Sep-28-11
CRD		Aug-5-09	For Interim Risk Evaluation of D. Kiser, Jul-16-09
MSS		Feb-18-08	For First Baseline Risk Evaluation of R.J. Muren, May-28-08

City of Memphis, Tennessee, The County of Shelby, Tennessee, Memphis Basketball  
Memphis, Tennessee

Sketch From R.J. Muren  
May 9, 2005  
Scale: 1in = 50ft  
By MSS

FACTORY MUTUAL INSURANCE COMPANY  
Engineering Plan Services  
270 CENTRAL AVENUE, JOHNSTON, NE 68508-9449

INDEX  
000605.52  
1/3

Note: ADMIN BLDG All Beams & Columns Where Fair Product Accept Steel Deck

LWC-Symbols	
A0	Offices, etc. etc. etc. Parking
A1	Offices, etc. etc. etc. Parking
A2	Offices, etc. etc. etc. Parking
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