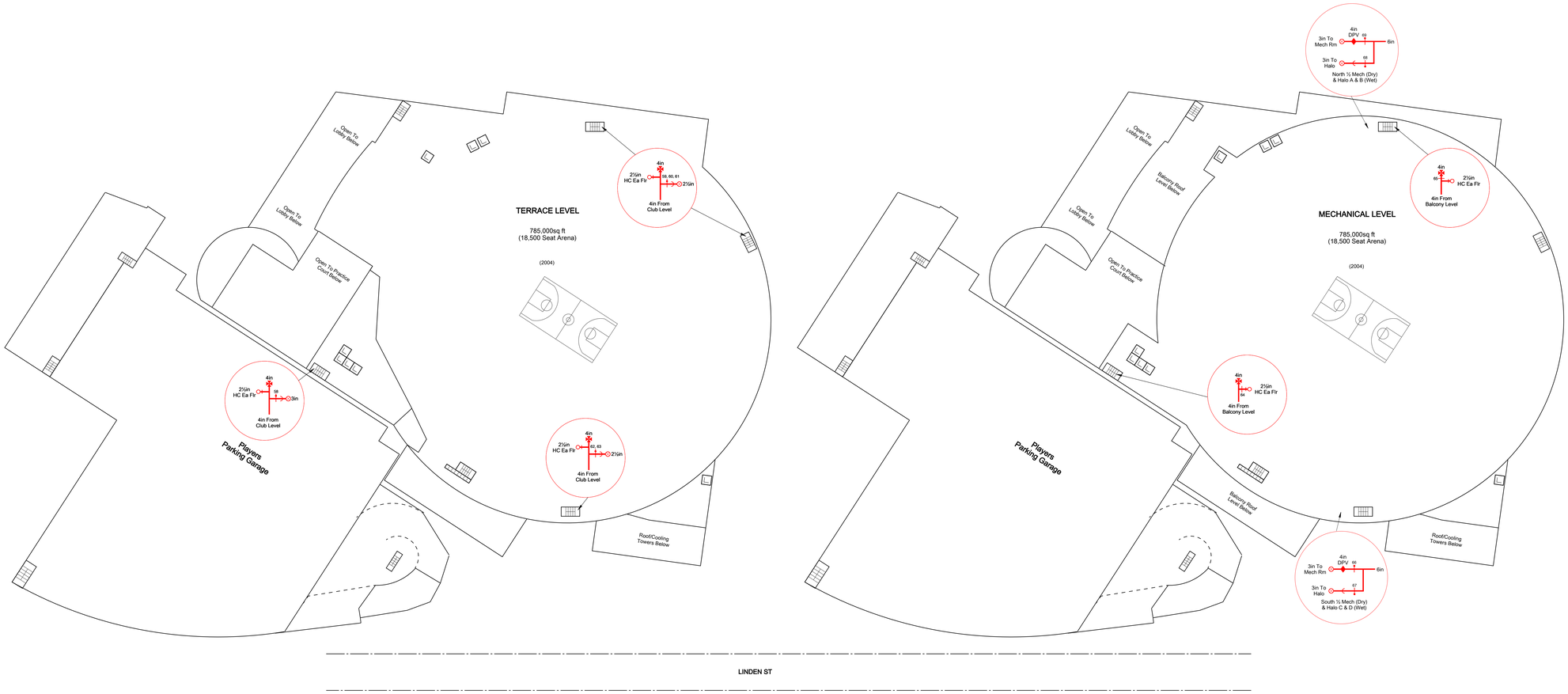

0 Feet 50

0 Metres 10 20

FM Global

N W E

LEGEND

- Deluge valve, rate of rise or preaction type valves.
- Dry pipe valve with quick opening device.
- Standpipe.
- Fire pump.
- Wall type post indicating valve.
- Check valve (Detector check or back flow preventor when indicated).
- Flow alarm.
- Hose connection.
- Outside screw and yoke valve (OS&Y).
- FD 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), quick opening valve (QOV) or as noted on plan.
- Alarm check valve.
- Dry or frost proof hydrant with fire department pumper connection (number of horns indicates number of hose outlets).

SPRINKLER SYSTEM DATA

RISER LOCATION	Type (Sys)	Spacing (ft)	Temp (T)	Orif (in.)	HYDRAULICALLY DESIGNED SYSTEM DATA: DENSITY (gpm/ft²)	Design Area (ft²)	DEMAND BOR: Flow (gpm)	DEMAND BOR: Press. (psi)
Section A (Marshalling Flow)	/	/	/	/	0.15	1500	302	127
Section A (Power Sound)	/	/	/	/	0.15	1500	330	140
Section B (Concession Flow)	/	/	/	/	0.15	1500	385	142
Section C (Basketball Flow)	/	/	/	/	0.15	1500	287	137
Section D (Weight Room)	/	/	/	/	0.15	1500	265	68
Section A (Lobby Flow)	/	/	/	/	0.10	1500	344	147
Section B (Lobby Flow)	/	/	/	/	0.10	1500	375	150
Section C (Marshalling Flow)	/	/	/	/	0.15	1500	411	138
Section D (Boiling Room)	/	/	/	/	0.20	3000	722	71
Section D (Chiller Room)	/	/	/	/	0.20	3000	688	141
Section A (Seating Area)	/	/	/	/	0.1	1500	306	144
Section B (Seating Area)	/	/	/	/	0.1	1500	337	136
Section C (Seating Area)	/	/	/	/	0.1	1500	325	96
Section D (Seating Area)	/	/	/	/	0.1	1500	343.4	105
Section A (Concourse Spkr)	/	/	/	/	0.10	1500	457.9	143.1
Section B (Commissary Flow)	/	/	/	/	0.15	1500	594.5	114.5
Section C (Concourse Spkr)	/	/	/	/	0.10	1500	477.1	133.6
Section D (Concourse Spkr)	/	/	/	/	0.10	1500	501.5	125.4
Section A & D-Halo @ Balcony	/	/	/	/	0.15	1500	652.5	137.3
Section B & C-Halo @ Balcony	/	/	/	/	0.15	1500	663.1	142.9
Admin Bldg	/	/	/	/	0.10	1500	423	123

REVISIONS

DR	CH	DATE	CHANGES MADE
LS		Apr-2-14	For Regular Risk Evaluation of E.R. Cuenca, Mar-5-14
KJM		Oct-22-12	For Interim Risk Evaluation of E.R. Cuenca, Oct-3-12
DPS		Oct-7-11	For Baseline Risk Evaluation of E.R. Cuenca, Sep-29-11
CRD		Aug-5-09	For Interim Risk Evaluation of D. Kiser Jul-16-09
MSS		Feb-16-06	For First Baseline Risk Evaluation of R.J. Muren, May-9-05

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, RI, 02919-4949

INDEX
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