



## JOB FACT SHEET

Facility:

**Newark Arena**

Location:

**Newark, New Jersey**

Project Type:

**Off Site Construction – Mechanical Penthouse**

Duration:

**(5) Months Design and Manufacturing**

### PROJECT OVERVIEW

Newark Arena is an 18,000 seat, multi-purpose arena designed by [HOK Sport + Venue + Event] HOK Sport. Construction was managed by Gilbane Building Company and finished in August 2007, in time for the 2007-08 NHL season. The arena is also home to a Major Indoor Soccer League expansion team which began play in the 2007-08 MISL season.

EAS was contracted to construct the penthouse for the Arena off-site. The construction on our manufacturing plant floor was concurrent with the arena construction. EAS's scope of work was to provide all the layout, coordination and manufacturing of the entire penthouse in High Point, North Carolina plant.

### PROJECT HIGHLIGHTS

- (17) Section Penthouse
- 6,100 square feet of penthouse
- Cooling towers located above the penthouse

### TECHNICAL DETAILS

- Four (4) 900-Ton York Centrifugal Chillers
- Four (4) 1000-Ton Baltimore Air Coil Cooling Towers (mounted on Penthouse roof)
- Four (4) Cleavor Brooks 10,000 MBH Boilers
- Bell & Gossett Heat Exchanger
- Rolairtrol Air Separators
- Primary, secondary and condenser water pumps up to 150 HP
- The Motor Control Center
- ABB VFD Drives
- Chiller plant auxiliary equipment including surge tank, expansion tank, Wessel glycol make-up package, chemical treatment system
- Schedule 40 chilled water, up to 18" diameter, and hot water piping systems with valves and accessories. At the shipping splits, there are flanged connections for the hot water piping and Victaulic connections for the chilled and condenser water piping.
- Piping fiberglass insulation with PVC wrap
- Plumbing and floor drains
- 150# Natural Gas Piping & accessories for boiler feeds
- Space A/C AHU for chiller area
- Hot water unit heaters for boiler area
- Fluorescent lighting system
- BMS Control System – Johnson Controls, Inc., with control wiring
- 2" foam core panel system (R-value of 15.8) with extruded aluminum no-through metal framing.



*Architect's Rendition*



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### JOB PHOTOS

