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Lighting / Electrical Option
9/10/03
Senior Thesis Project



Building Statistics, Part 1

General Project Data

Building Name: Hall Corporate Headquarters

Location: Guardian lane Virginia Beach, Virginia

Building Occupant Name: Hall automotive car dealership

Occupancy: Commercial office building

Size: 30,000 Sq. Ft.

Stories above grade: 3 stories

Primary Project Team:

General Contractor: Commonwealth Construction

Architects and Engineers: Clark Nexsen www.clarknexsen.com

Owner: Kenneth Hall Sr. www.hallauto.com

Dates of Construction:

Start date: Started in May 2003, currently in progress

Finish date: Summer 2004

Cost Information: current cost estimate

Cost per square foot \$63.92

1.9 million for building costs

0.4 million for site work and other costs

2.5 million for total project completion

Project Delivery Method: Design-bid-build

Architecture

Architecture: The building is designed for use as a corporate office for Hall car dealership based out of Virginia. The building is a 3 story facility with open office space, multiple personal offices, a training room for new employees, large meeting rooms, file storage, a large 2 story open lobby with show room space for two cars, and other office related spaces. The entrance to the building has an expandable door that can be opened to allow cars to be moved into the show room space. The footprint of the

building is a L shape with a curved entrance at the center of the L on the main Façade.

Codes: The building was constructed under the current Virginia uniform statewide building code amendments to the 1996 BOCA code.

Zoning Historical: Group B classified building for “Business” type occupancy

Building envelope: The buildings exterior is constructed mainly with field brick.

Along with the field brick accent brick is also used on the façade.

Multiple windows are located on the buildings face and rear. Tinted reflective vision glass is used on the lower panes of the windows. On the upper panes of the window spandrel glass to match the vision glass is used. The roof system is made up of an aluminum cladding system. The roof is mainly a flat roof with a raised round shaped architectural feature in the middle center to hide the mechanical equipment. The front of the building has an aluminum clad canopy that hangs over the main entrance to the building. Leading to the entrance is a brick sidewalk to accent the buildings façade.