

**OUTLINE OF TESTIMONY OF
DAN KLOS
CBS BROADCASTING**

- I. Introduction

- II. Summary History of CBS Operations at Site

- III. CBS Operational Demands for Antennas
 - A. Three 3.7M VSAT antennas proposed to replace Three 3.7M VSAT antennas on previous building

 - B. Backup Emergency Operations

- IV. Community Outreach and Support for Application

- V. Conclusion – Special Exception Approval Needed for Location of Proposed Antennas

**OUTLINE OF TESTIMONY OF
FELIX PENA
CEI**

- I. Introduction and Qualification as Expert Witness in Mechanical Engineering/
Antennas Communication

- II. Available for Technical Questions relating to Antenna operations and operational needs
of CBS Broadcasting

FELIX PEÑA, CTS

Director of Mechanical Engineering, CEI, Newington, Virginia

Felix Peña has more than 30 years of experience in mechanical design, analysis and project management using sophisticated 2D and 3D CAD/CAM systems. His responsibilities include space planning design of broadcast, radio, house of worship and corporate facilities including technical infrastructure, electrical distribution, grounding, lighting, HVAC specifications, acoustical design; console and technical furniture design, monitor walls, 3D models and animations, earth station satellite antenna line-of-sight and adjacency modeling and on-site facility and control room photography.



Mr. Peña has had significant involvement in most CEI projects, including:

- CBS News Washington, DC, new production facility
- Discovery Communications numerous projects
- National Reconnaissance Office (NRO) Control Room renovation
- The National Cable & Telecommunications Association HQ theater, board room and conference rooms.
- NASCAR, IBEW, John Hopkins University Bloomberg School of Public Health
- Voice of America Master control and production facilities
- Library of Congress, Culpepper and VA Headquarters
- US Senate Broadcast and production facilities
- WAMU American University radio station, Washington, DC.
- Comcast SportsNet, Bethesda, Maryland, several facility upgrades
- Comcast Network DC, Washington, DC, facility upgrade

Before joining CEI, Mr. Peña was senior CAD engineer/designer for the Public Broadcasting Service (PBS), where he was responsible for the creation and maintenance of the computer database for the engineering department and the creation of computer-generated designs. He also assisted in the design and implementation of acoustical, mechanical and structural systems.

Prior to PBS, Mr. Peña was design engineer with Reliability Sciences, Inc. (RSI) of Middleburg, VA., and was responsible for developing, implementing and performing system safety, human factors and engineering analysis.

Mr. Peña was also a designer at Design and Engineering Applications, Inc. (DEA) in Rockville, MD, where he was responsible for producing drawings to military and engineering specifications, using sophisticated CAD/CAM systems.

Education and Training:

- B.S. Mechanical Engineering (CAD/CAM), George Washington University, 1985
- CAD/CAM Continuing Education, George Washington University
- Synergetic Audio Concepts Sound Reinforcement Seminar
- Lyncole – Grounding and Electrical Protection
- SBE – Course I, Leader Skills Series #39 for Broadcast Engineers
- CTS

Associations:

- SMPTE, AES
- SYN-AUD-CON, ASME

**OUTLINE OF TESTIMONY OF
STEVE BELL
KENDALL/HEATON ASSOCIATES, INC.**

- I. Introduction and Qualification as Expert Witness in Architecture
- II. Overview of Site and Development Project Incorporating CBS HQ into new office development
- III. Review Architectural Drawings and location of antennas
- IV. Efforts to minimize visual effects of antennas – location/siting
- V. Conclusion - Special Exception Approval is appropriate.

Steve Bell
AIA



Principal
Kendall/Heaton Associates, Inc.

Steven Bell joined Kendall/Heaton Associates in 1988 after graduating from Texas A&M University in 1982 and working with another architecture firm for six years.

Steve has led design teams on a variety of projects at Kendall/Heaton Associates including corporate headquarters, midrise and highrise office buildings, religious facilities and a museum. Steve's knowledge of technical systems and computer applications for design has helped the firm maintain its high level of services.

Steve's most recent projects are 3rd and Colorado in Austin, Texas and AmegyBank Headquarters in Houston, Texas.

Steve is a registered architect in Texas and is a member of the American Institute of Architects and the Texas Society of Architects.

Education:

B Environmental Design 1982
Texas A&M University

Registrations:

Texas 1988

Affiliations:

American Institute of Architects
Texas Society of Architects

References:

Mr. David Perry
HINES
617.266.1500

Experience:

AMEGYBANK HEADQUARTERS; Houston, Texas
24 Stories; 410,000 Office; 1,164 Car Parking Garage
(NA; 2016)

Area of Responsibility: Project Principal

3rd AND COLORADO; Austin, Texas

29 Stories; 395,000 Office; 12 Level Parking Garage
Area of Responsibility: Principal-in-Charge

SOUTH STATION AIR RIGHTS; Boston, Massachusetts

(Pre-Certified Gold) 49 Stories; 1,130,000 Office; 100,000 Bus Terminal,
380,000 Parking and Train Terminal Renovations
(\$460,000,000; N/A)

Area of Responsibility: Project Principal

CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM

HEADQUARTERS; Sacramento, California

6 Stories; 560,000 SF Office Building
1,000 Car Parking Garage Below Grade
(\$238,000,000; 2005)

Area of Responsibility: Project Architect

EDIFICIO CUAUHEMOC; Monterrey, Mexico

(Pre-Certified Gold) 39 Stories, 500,000 Office and Retail
1,430 Car Parking
(\$100,000,000; N/A)

Area of Responsibility: Project Principal

AUDREY JONES BECK BUILDING AND

FANNIN SERVICE CENTER; Houston, Texas

The Museum of Fine Arts
3 Stories and Basement; 180,000 SF Art Museum
(\$71,000,000; 2000)

Area of Responsibility: Project Architect