WESTINGHOUSE ELECTRIC COMPANY CORPORATE HEADQUARTERS

BUILDING ONE CRANBERRY, PA

BUILDING INFORMATION

OCCUPANCY: OFFICE

SIZE: 434,800 SQ FT

HEIGHT: 5 LEVELS, 87'-6" TALL

BUILD TIME: FEB 2008-MAY 2009

COST: \$80 MILLION
DELIVERY: DESIGN-BID-BUILD





PROJECT TEAM

OWNER: WELLS REAL ESTATE FUNDS

ARCHITECT: IKM, INC.

STRUCTURAL/MECH: LLI ENGINEERING

CIVIL: CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

CONSTRUCTION: TURNER CONSTRUCTION COMPANY

MECHANICAL/ELECTRICAL/LIGHTING

TWO GAS FIRED BOILERS SERVE TO HEAT THE BUILDING WITH CAPACITIES OF 1265 CFM AND 960 CFM.

SIX AHU'S WITH VARYING CAPACITY SERVE THE BUILDING AND VAV UNITS.

480/277V, 3 Phase, 3 Wire Primary, 208/120V 3 Phase 4 Wire Secondary Delta-Wye Dry Type Transformers.

MAINLY FLOURESCENT LIGHTING TO CONTRIBUTE TO LEED CERTIFICATION.

GENERATOR PROTECTION ON CAMPUS FOR ALL CONTROLS.



STRUCTURAL

STRUCTURAL STEEL FRAMING WITH 2" COMPOSITE STEEL DECK AND 2-1/2" CONCRETE SLAB

TYPICAL BAY SIZE IS 45'-0"

MOMENT CONNECTIONS RESIST WIND FORCES

SLAB ON GRADE, GRADE BEAMS, AND CASSION FOUNDATION SYSTEM

ARCHITECTURE

SITE IS ON 83 ACRES IN CRANBERRY, PA

LEED CERTIFICATION GOAL

BIO-RETENTION PARKING LOT

BRICK FAÇADE IS TEXTURED TO CREATE VERTICAL ELEMENT WHILE POLISHED CONCRETE BLOCK EMPHASIZES IMPORANTANCE.

POWERFUL ENTRANCE MAKES USE OF TWO-STORY ATRIUM

FLOOR-TO-FLOOR HEIGHT OF 14'-0", ENTRANCE LEVEL IS 18'-0".

ROOF SYSTEM CONSISTS OF AN EDPM SYSTEM WITH A MEMBRANE OVER 1/2" PROTECTION BOARD OVER TAPERED INSULATION OVER 5/8" GWB ON THE ROOF DECKING.

JESSICA L. LAURITO | STRUCTURAL OPTION

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