

GENERAL SERVICES ADMINISTRATION HEADQUARTERS MODERNIZATION

1800 F ST NW, WASHINGTON, D.C.



OVERVIEW

OWNER: GENERAL SERVICES ADMINISTRATION
GENERAL CONTRACTOR: WHITING-TURNER/WALSH JV
CONSTRUCTION MANAGER: HEERY INTERNATIONAL
ARCHITECTS: GENSLER & SHALOM BARANES ASSOCIATES, PC
CIVIL ENGINEER: A. MORTON THOMAS ENGINEERING
STRUCTURAL ENGINEER: THORTON-TOMASETTI GROUP
MEP ENGINEER: SYSKA

PROJECT COST: \$200,000,000
TOTAL STORIES: 9
SIZE: 858,000 SF
CONSTRUCTION DATES: 9/15/10 TO 5/20/13
DELIVERY METHOD: DESIGN-BID-BUILD

ARCHITECTURE

RENOWNED FOR ITS ROLE IN THE ARCHITECTURAL DEVELOPMENT OF THE FEDERAL OFFICE BUILDING TYPE AND ITS NEOCLASSICAL STYLE

FLOOR PLAN WAS DESIGNED SIMILARLY TO THE LETTER "E" DUE TO THE TECHNOLOGY RESTRAINTS OF COOLING SYSTEMS AT THE TIME OF ITS ORIGINAL CONSTRUCTION IN 1917

MECHANICAL SYSTEM

AIR DISTRIBUTION SYSTEM IS COMPRISED OF MULTIPLE VARIABLE VOLUME AIR HANDLER UNITS

100% OUTSIDE AIR UNITS WILL CONTAIN AN ENERGY RECOVERY COIL

A WATER HEAT EXCHANGER AND THREE WATER-COOLED CHILLERS WILL BE LOCATED IN THE BASEMENT

FIRE SUPPRESSION SYSTEM CONSISTS OF A COMBINED WET PIPE AND DRY PIPE SPRINKLER SYSTEM



CONSTRUCTION

PROJECT CONSISTS OF 2 PHASES

PHASED OCCUPANCY WILL BE REQUIRED AS THE BUILDING WILL REMAIN FULLY FUNCTIONAL AND PARTIALLY OCCUPIED THROUGHOUT THE PROJECT

STRUCTURAL SYSTEM

CAST IN PLACE CONCRETE WAS PRIMARILY USED FOR THE CONSTRUCTION OF THE NEW ADDITION, SLAB ON GRADE, GRADE BEAMS, AND FOUNDATION WALLS

THE EXISTING STRUCTURE IS COMPOSED MAINLY OF STRUCTURAL STEEL FRAMING CONSISTING OF THE ORIGINAL I BEAMS FROM 1917

ELECTRICAL SYSTEM

PRIMARY POWER IS DISTRIBUTED BY THREE 3000A, 480/277V, 3-PHASE, 4-WIRE SUBSTATIONS AND A 4000A, 480/277V, 3-PHASE, 4-WIRE SUBSTATION

A 1500/1875 KW/KVA, 480/277V DIESEL DRIVEN STANDBY GENERATOR SERVES AS THE EMERGENCY SYSTEM

