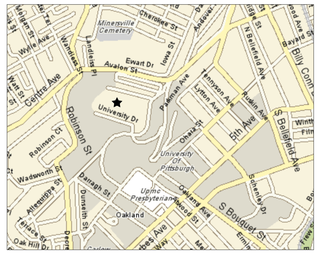
Department of Veterans Affairs
VA Pittsburgh Healthcare System
CARES Consolidation - Phase 2 - University Drive
Research Office Building
SOLICITATION # VA -101-10-RP-0130

Owner
VA Pittsburgh Healthcare System
University Drive
Pittsburgh, PA 15240

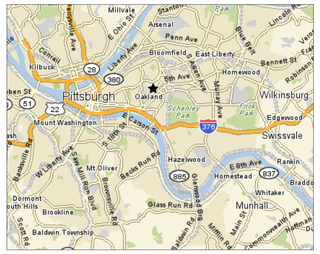
Architect / Engineers
ASTORINO
227 Fort Pitt Boulevard
Pittsburgh, PA 15222
(412) 765-1700

In Association with:
HDR
1101 King Street, Suite 400
Alexandria, VA 22314
(703) 518-8500

Location Map



Vicinity Map



FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.
1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
DESIGN/BUILD
ASTORINO
227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title
COVER SHEET

Approved: Project Director

Project Title
VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.

Location
VAPHS UNIVERSITY DRIVE

Date	Checked	Drawn
08-18-2010	Checker	Author

Project Number
646CA2500R

Building Number
30

Drawing Number
GS0-000

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

Drawing Index

Dwg. No.	Dwg. Title	Issued Date	Rev
COVER SHEETS & KEYS			
GS0-000	COVER SHEET	08-18-10	-
GS0-001	DRAWING INDEX	08-18-10	-
GS0-002	ABBREVIATIONS AND SYMBOLS	08-18-10	-
GS0-003	CODE ANALYSIS - LIFE SAFETY	08-18-10	-
GS0-004	CODE ANALYSIS - LIFE SAFETY	08-18-10	-
GS0-005	BASEMENT - BUILDING AREA & PROGRAM SQ FT	08-18-10	-
GS0-005A	BASEMENT ALT - BUILDING AREA & PROGRAM SQ FT	08-18-10	-
GS0-006	GROUND FLOOR - BUILDING AREA & PROGRAM SQ FT	08-18-10	-
GS0-007	FIRST FLOOR - BUILDING AREA & PROGRAM SQ FT	08-18-10	-
GS0-008	SECOND FLOOR - BUILDING AREA & PROGRAM SQ FT	08-18-10	-
GS0-009	BRIDGE & ROOF PLAN - BUILDING AREA & PROGRAM SF	08-18-10	-
GS0-010	SAMPLE CPM NETWORK	08-18-10	-
CIVIL/SITE			
CM1-100	MINE GROUTING PLAN RESEARCH OFFICE BUILDING	08-18-10	-
CS0-000	SITE SEQUENTIAL PHASING PLAN	08-18-10	-
CS1-000	SITE EXISTING CONDITIONS PLAN	08-18-10	-
CS2-000	SITE DEMOLITION PLAN	08-18-10	-
CS4-000	SITE GRADING PLAN	08-18-10	-
CS5-000	SITE LAYOUT PLAN	08-18-10	-
CS5-900	SITE DETAILS	08-18-10	-
CS6-000	SITE EROSION & SEDIMENTATION PLAN	08-18-10	-
CS6-900	SITE EROSION & SEDIMENTATION CONTROL DETAILS	08-18-10	-
CS7-000	SITE STORMWATER & SANITARY SEWER PLAN	08-18-10	-
CS7-900	SITE STORM & SANITARY SEWER CONSTRUCTION DETAILS	08-18-10	-
LANDSCAPE			
LS1-000	SITE LANDSCAPE PLAN	08-18-10	-
STRUCTURAL			
SS0-101	GENERAL NOTES	08-18-10	-
SS0-102	SPECIAL INSPECTIONS INFORMATION	08-18-10	-
SS1-101	BASEMENT FLOOR AND FOUNDATION PLAN	08-18-10	-
SS1-101.1	BASEMENT AND GROUND FLOOR - ALTERNATE 1	08-18-10	-
SS1-111	GROUND FLOOR FRAMING PLAN	08-18-10	-
SS1-121	FIRST FLOOR FRAMING PLAN	08-18-10	-
SS1-131	SECOND FLOOR FRAMING PLAN	08-18-10	-
SS1-141	ROOF FRAMING PLAN	08-18-10	-
SS1-151	HIGH ROOF FRAMING PLAN	08-18-10	-
SS1-161	BRIDGE PLANS	08-18-10	-
SS1-171	DROP-OFF CANOPY PLANS	08-18-10	-
SS2-101	BRIDGE ELEVATIONS AND SECTIONS	08-18-10	-
SS3-101	TYPICAL CONCRETE SECTIONS AND DETAILS	08-18-10	-
SS3-102	FOUNDATION DETAILS	08-18-10	-
SS3-103	CONCRETE - SECTIONS AND DETAILS	08-18-10	-
SS5-101	TYPICAL STEEL SECTIONS AND DETAILS	08-18-10	-
SS5-102	TYPICAL STEEL SECTIONS AND DETAILS	08-18-10	-
SS5-103	STEEL - SECTIONS AND DETAILS	08-18-10	-
SS5-104	STEEL - SECTIONS AND DETAILS	08-18-10	-
SS5-105	STEEL - SECTIONS AND DETAILS	08-18-10	-
SS5-106	STEEL - SECTIONS AND DETAILS	08-18-10	-
SS5-107	STEEL - SECTIONS AND DETAILS	08-18-10	-
SS5-108	STEEL - SECTIONS AND DETAILS	08-18-10	-
SS6-101	COLUMN SCHEDULE	08-18-10	-
SS6-101.1	COLUMN SCHEDULE - ALTERNATE 1	08-18-10	-
ARCHITECTURAL			
AD1-101	DEMOLITION PLANS	08-18-10	-
AS1-101	BASEMENT FLOOR PLAN	08-18-10	-
AS1-101-ALT	BASEMENT FLOOR PLAN ALTERNATE	08-18-10	-
AS1-111	GROUND FLOOR PLAN	08-18-10	-
AS1-111A	GROUND FLOOR ALT. #2 - DEMOUNTABLE PARTITIONS	08-18-10	-
AS1-113	GROUND FLOOR - BRIDGE	08-18-10	-
AS1-121	FIRST FLOOR PLAN	08-18-10	-
AS1-121A	FIRST & SECOND FLOOR ALT. #2 DEMOUNTABLE PARTITIONS	08-18-10	-
AS1-131	SECOND FLOOR PLAN	08-18-10	-
AS1-132	BRIDGE PLAN	08-18-10	-
AS1-133	THIRD FLOOR BRIDGE	08-18-10	-
AS1-141	ROOF 1-PLAN	08-18-10	-
AS1-142	HIGH ROOF PLAN	08-18-10	-
AS1-143	BRIDGE ROOF PLAN	08-18-10	-
AS1-301	BASEMENT FLOOR INTERIOR SIGNAGE PLAN	08-18-10	-
AS1-311	GROUND FLOOR INTERIOR SIGNAGE PLAN	08-18-10	-
AS1-321	FIRST FLOOR INTERIOR SIGNAGE PLAN	08-18-10	-
AS1-331	SECOND FLOOR INTERIOR SIGNAGE PLAN	08-18-10	-
AS1-341	BRIDGE & ROOF INTERIOR SIGNAGE PLANS	08-18-10	-
AS2-101	ENLARGED PLANS	08-18-10	-
AS2-102	GUARD BOOTH PLANS, SECTIONS, ELEVATIONS & DETAILS	08-18-10	-
AS2-301	PLAN DETAILS-EXTERIOR WALL	08-18-10	-
AS2-302	PLAN DETAILS-EXTERIOR WALL	08-18-10	-
AS2-303	PLAN DETAILS-EXTERIOR WALL	08-18-10	-
AS2-304	PLAN DETAILS-PIERS	08-18-10	-
AS2-310	PLAN DETAILS-BRIDGE	08-18-10	-
AS2-401	ENTRANCE CANOPY PLANS	08-18-10	-
AS2-402	SERVICE ENTRANCE CANOPY PLANS	08-18-10	-
AS3-101	SOUTH BUILDING ELEVATIONS	08-18-10	-
AS3-102	EAST BUILDING ELEVATIONS	08-18-10	-
AS3-103	NORTH BUILDING ELEVATIONS	08-18-10	-
AS3-104	WEST BUILDING ELEVATIONS	08-18-10	-
AS3-105	PARTIAL BLDG ELEVATION - MECHANICAL COURTYARD	08-18-10	-
AS3-106	PARTIAL ENLARGED BUILDING ELEVATION - BRIDGE	08-18-10	-

Dwg. No.	Dwg. Title	Issued Date	Rev
ARCHITECTURAL			
AS3-201	CANOPY ELEVATIONS	08-18-10	-
AS4-101	BUILDING SECTIONS	08-18-10	-
AS4-102	BUILDING SECTIONS	08-18-10	-
AS4-103	BUILDING SECTIONS	08-18-10	-
AS4-104	PARTIAL BUILDING SECTIONS - BRIDGE	08-18-10	-
AS4-201	CANOPY SECTIONS AND DETAILS	08-18-10	-
AS4-301	CANOPY SECTION DETAILS	08-18-10	-
AS4-302	CANOPY SECTION DETAILS	08-18-10	-
AS4-303	CANOPY SECTION DETAILS	08-18-10	-
AS4-305	CANOPY SECTION DETAILS	08-18-10	-
AS5-101	WALL SECTIONS	08-18-10	-
AS5-102	WALL SECTIONS	08-18-10	-
AS5-102ALT	WALL SECTIONS	08-18-10	-
AS5-103	WALL SECTIONS	08-18-10	-
AS5-104	WALL SECTIONS	08-18-10	-
AS5-105	WALL SECTIONS	08-18-10	-
AS5-106	WALL SECTIONS	08-18-10	-
AS5-107	WALL SECTIONS	08-18-10	-
AS5-108	WALL SECTIONS	08-18-10	-
AS5-109	WALL SECTIONS	08-18-10	-
AS5-110	WALL SECTIONS	08-18-10	-
AS5-111	WALL SECTIONS	08-18-10	-
AS5-112	WALL SECTIONS	08-18-10	-
AS5-113	WALL SECTIONS	08-18-10	-
AS5-114	WALL SECTIONS	08-18-10	-
AS5-115	WALL SECTIONS	08-18-10	-
AS5-116	WALL SECTIONS	08-18-10	-
AS5-117	WALL SECTIONS	08-18-10	-
AS5-117ALT	WALL SECTIONS	08-18-10	-
AS5-118	WALL SECTIONS ENTRANCE PIER	08-18-10	-
AS5-119	WALL SECTIONS	08-18-10	-
AS5-120	WALL SECTIONS	08-18-10	-
AS5-121	WALL SECTIONS	08-18-10	-
AS5-201	WALL SECTION DETAILS	08-18-10	-
AS5-202	WALL SECTION DETAILS	08-18-10	-
AS5-203	WALL SECTION DETAILS	08-18-10	-
AS5-204	WALL SECTION DETAILS	08-18-10	-
AS5-205	WALL SECTION DETAILS	08-18-10	-
AS5-206	WALL SECTION DETAILS	08-18-10	-
AS5-207	BUILDING TYPICAL ROOF DETAILS	08-18-10	-
AS5-208	BUILDING TYPICAL ROOF DETAILS	08-18-10	-
AS5-209	BUILDING ROOF DETAILS	08-18-10	-
AS5-301	BUILDING SECTION DETAILS-BRIDGE	08-18-10	-
AS5-302	BUILDING SECTION DETAILS-BRIDGE	08-18-10	-
AS5-303	BUILDING SECTION DETAILS-BRIDGE	08-18-10	-
AS5-304	BUILDING SECTION DETAILS-BRIDGE	08-18-10	-
AS6-101	ENLARGED STAIR PLANS & SECTIONS	08-18-10	-
AS6-102	ENLARGED STAIR PLANS AND SECTIONS	08-18-10	-
AS6-103	ENLARGED ELEVATOR PLANS & SECTIONS	08-18-10	-
AS6-201	STAIR DETAILS	08-18-10	-
AS6-202	ELEVATOR DETAILS	08-18-10	-
AS7-101	INTERIOR ELEVATIONS	08-18-10	-
AS7-102	INTERIOR ELEVATIONS	08-18-10	-
AS7-103	INTERIOR ELEVATIONS	08-18-10	-
AS7-150A	DEMOUNTABLE PARTITION ELEVATIONS - ALTERNATE #2	08-18-10	-
AS7-151A	DEMOUNTABLE PARTITION ELEVATIONS - ALTERNATE #2	08-18-10	-
AS7-152A	DEMOUNTABLE PARTITION ELEVATIONS - ALTERNATE #2	08-18-10	-
AS7-201	CASEWORK SECTIONS	08-18-10	-
AS7-202	CASEWORK SECTIONS	08-18-10	-
AS8-101	DOOR SCHEDULES	08-18-10	-
AS8-102	DOOR/FRAME TYPES AND DETAILS	08-18-10	-
AS8-202	EXTERIOR WINDOW AND CURTAIN WALL TYPES	08-18-10	-
AS8-301	CURTAINWALL DETAILS	08-18-10	-
AS8-401	PARTITION TYPES AND INTERIOR WALL SECTIONS	08-18-10	-
AS9-101	BASEMENT FLOOR REFLECTED CEILING PLAN	08-18-10	-
AS9-111	GROUND FLOOR REFLECTED CEILING PLAN	08-18-10	-
AS9-111A	GROUND FLOOR REFLECTED CEILING PLAN - ALTERNATE #2	08-18-10	-
AS9-121	FIRST FLOOR REFLECTED CEILING PLAN	08-18-10	-
AS9-121A	FIRST FLOOR REFLECTED CEILING PLAN - ALTERNATE #2	08-18-10	-
AS9-131	SECOND FLOOR REFLECTED CEILING PLAN	08-18-10	-
AS9-141	STAIR TOWER & BRIDGE REFLECTED CEILING PLAN	08-18-10	-
AS9-151	ENLARGED CEILING PLANS	08-18-10	-
AS9-152	ENLARGED CEILING PLANS	08-18-10	-
AS9-153	REFLECTED CEILING PLAN DETAILS	08-18-10	-
AS9-154	REFLECTED CEILING PLAN DETAILS	08-18-10	-
AS9-211	GROUND FLOOR ACCESS FLOORING PLAN	08-18-10	-
AS9-221	FIRST FLOOR ACCESSING FLOORING PLAN	08-18-10	-
AS9-231	SECOND FLOOR ACCESS FLOORING PLAN	08-18-10	-
AS9-300	ROOM FINISH SCHEDULES & LEGEND	08-18-10	-
AS9-311	GROUND FLOOR FINISH PLAN	08-18-10	-
AS9-321	FIRST AND SECOND FLOOR FINISH PLAN	08-18-10	-
AS9-341	BRIDGE FINISH PLAN	08-18-10	-
MECHANICAL			
MH0-101	HVAC SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES	08-18-10	-
MHS-101	HVAC SITE STEAM PIPING PLANS	08-18-10	-
MH1-101	BASEMENT FLOOR PLAN - HVAC DUCTWORK	08-18-10	-
MH1-101A	BASEMENT FLOOR PLAN - HVAC DUCTWORK - ALTERNATE #1	08-18-10	-
MH1-111	GROUND FLOOR PLAN - HVAC DUCTWORK	08-18-10	-
MH1-121	FIRST FLOOR PLAN - HVAC DUCTWORK	08-18-10	-

Dwg. No.	Dwg. Title	Issued Date	Rev
MECHANICAL			
MH1-131	SECOND FLOOR PLAN - HVAC DUCTWORK	08-18-10	-
MH1-132	BRIDGE PLAN - HVAC DUCTWORK	08-18-10	-
MH1-141	ROOF PLAN - HVAC DUCTWORK	08-18-10	-
MH1-201	BASEMENT FLOOR PLAN - HVAC PIPING	08-18-10	-
MH1-201A	BASEMENT FLOOR PLAN - HVAC PIPING - ALTERNATE #1	08-18-10	-
MH1-211	GROUND FLOOR PLAN - HVAC PIPING	08-18-10	-
MH1-221	FIRST FLOOR PLAN - HVAC PIPING	08-18-10	-
MH1-231	SECOND FLOOR PLAN - HVAC PIPING	08-18-10	-
MH1-241	ROOF PLAN - HVAC PIPING	08-18-10	-
MH2-101	ENLARGED BASEMENT FLOOR PLAN - HVAC DUCTWORK	08-18-10	-
MH2-101A	ENLARGED BASEMENT FLOOR PLAN - HVAC DUCTWORK - ALTERNATE #1	08-18-10	-
MH2-102	ENLARGED BASEMENT FLOOR PLAN - HVAC DUCTWORK	08-18-10	-
MH2-102A	ENLARGED BASEMENT FLOOR PLAN - HVAC DUCTWORK - ALTERNATE #1	08-18-10	-
MH2-103	ENLARGED BASEMENT FLOOR PLAN - HVAC DUCTWORK	08-18-10	-
MH2-103A	ENLARGED BASEMENT FLOOR PLAN - HVAC DUCTWORK - ALTERNATE #1	08-18-10	-
MH2-201	ENLARGED BASEMENT FLOOR PLAN - HVAC PIPING	08-18-10	-
MH2-201A	ENLARGED BASEMENT FLOOR PLAN - HVAC PIPING - ALTERNATE #1	08-18-10	-
MH2-202	ENLARGED BASEMENT FLOOR PLAN - HVAC PIPING	08-18-10	-
MH2-202A	ENLARGED BASEMENT FLOOR PLAN - HVAC PIPING - ALTERNATE #1	08-18-10	-
MH2-203	ENLARGED BASEMENT FLOOR PLAN - HVAC PIPING	08-18-10	-
MH2-203A	ENLARGED BASEMENT FLOOR PLAN - HVAC PIPING - ALTERNATE #1	08-18-10	-
MH2-204	PARTIAL ENLARGED PIPING PLANS - BOILER AND CHILLER PLANTS	08-18-10	-
MH3-101	HVAC SECTIONS	08-18-10	-
MH4-101	HVAC DUCTWORK RISER DIAGRAMS	08-18-10	-
MH4-102	HVAC HOT WATER RISER DIAGRAM	08-18-10	-
MH4-103	HVAC CHILLED WATER RISER DIAGRAM	08-18-10	-
MH6-101	HVAC SCHEDULES	08-18-10	-
MH6-102	HVAC SCHEDULES	08-18-10	-
MH6-103	HVAC SCHEDULES	08-18-10	-
MH7-101	HVAC SHEETMETAL DETAILS	08-18-10	-
MH7-102	HVAC PIPING DETAILS	08-18-10	-
MH7-103	HVAC PIPING DETAILS	08-18-10	-
MH7-104	HVAC UNIT, DEVICE AND CONTROL DETAILS AND DIAGRAMS	08-18-10	-
MH7-105	HVAC SPLIT SYSTEM DIAGRAMS	08-18-10	-
MH7-106	HVAC SEQUENCE OF OPERATIONS	08-18-10	-
MH7-107	HVAC POINTS LIST AND CONTROL SYSTEM ARCHITECTURE DIAGRAM	08-18-10	-
PLUMBING			
PL1-100	FOUNDATION FLOOR PLAN PLUMBING	08-18-10	-
PL1-100A	FOUNDATION FLOOR PLAN PLUMBING - ALTERNATE #1	08-18-10	-
PL1-101	BASEMENT FLOOR PLAN PLUMBING	08-18-10	-
PL1-101A	BASEMENT FLOOR PLAN PLUMBING - ALTERNATE #1	08-18-10	-
PL1-111	GROUND FLOOR PLAN PLUMBING	08-18-10	-
PL1-121	FIRST FLOOR PLAN PLUMBING	08-18-10	-
PL1-131	SECOND FLOOR PLAN PLUMBING	08-18-10	-
PL1-132	BRIDGE PLAN / BRIDGE ROOF PLAN PLUMBING	08-18-10	-
PL1-141	ROOF PLAN PLUMBING	08-18-10	-
PL1-151	HIGH ROOF & HELIPORT PLAN PLUMBING	08-18-10	-
PL2-101	ENLARGED FLOOR PLANS PLUMBING	08-18-10	-
PL4-101	RESEARCH OFFICE BLDG PLUMBING DIAGRAMS	08-18-10	-
PL4-102	RESEARCH OFFICE BLDG PLUMBING DIAGRAMS	08-18-10	-
PL4-103	RESEARCH OFFICE BLDG PLUMBING DIAGRAMS	08-18-10	-
PL7-101	RESEARCH OFFICE BLDG PLUMBING DETAILS	08-18-10	-
PS5-000	SITE PLAN PLUMBING	08-18-10	-
FIRE PROTECTION			
FP0-001	RESEARCH OFFICE BUILDING FIRE PROTECTION SCHEDULES, GENERAL NOTES, LEGEND AND SYMBOLS	08-18-10	-
FP1-101	BASEMENT FLOOR PLAN FIRE PROTECTION	08-18-10	-
FP1-101A	BASEMENT FLOOR PLAN FIRE PROTECTION - ALTERNATE #1	08-18-10	-
FP1-111	GROUND FLOOR PLAN FIRE PROTECTION	08-18-10	-
FP1-121	FIRST FLOOR PLAN FIRE PROTECTION	08-18-10	-
FP1-131	SECOND FLOOR PLAN FIRE PROTECTION	08-18-10	-
FP1-132	BRIDGE PLAN FIRE PROTECTION	08-18-10	-
FP1-141	ROOF PLAN FIRE PROTECTION	08-18-10	-
FP1-151	HIGH ROOF & HELIPORT PLAN FIRE PROTECTION	08-18-10	-
FP4-101	RESEARCH OFFICE BLDG. FIRE PROTECTION DIAGRAMS	08-18-10	-
FP7-101	RESEARCH OFFICE BLDG. FIRE PROTECTION DETAILS	08-18-10	-
FA0-001	FIRE ALARM SYMBOLS AND LEGEND	08-18-10	-
FA1-101	FIRE ALARM BASEMENT FLOOR PLAN	08-18-10	-
FA1-101A	FIRE ALARM BASEMENT FLOOR PLAN - ALTERNATE	08-18-10	-
FA1-102	FIRE ALARM BASEMENT PLAN BLDG. 1	08-18-10	-
FA1-111	FIRE ALARM GROUND FLOOR PLAN	08-18-10	-
FA1-121	FIRE ALARM 1st FLOOR PLAN	08-18-10	-
FA1-131	FIRE ALARM 2nd FLOOR PLAN	08-18-10	-
FA1-132	FIRE ALARM BRIDGE FLOOR PLAN	08-18-10	-
FA1-141	FIRE ALARM ROOF PLAN	08-18-10	-
FA4-101	FIRE ALARM RISER DIAGRAMS	08-18-10	-

Dwg. No.	Dwg. Title	Issued Date	Rev
ELECTRICAL			
EG0-101	ELECTRICAL SYMBOLS ABBREVIATIONS AND GENERAL NOTES	08-18-10	-
EG0-102	ELECTRICAL SYMBOLS	08-18-10	-
ED0-201	ELECTRICAL DEMOLITION SITE PLAN	08-18-10	-
ES0-201	ELECTRICAL SITE PLAN	08-18-10	-
EL1-101	LIGHTING BASEMENT PLAN	08-18-10	-
EL1-101A	LIGHTING BASEMENT PLAN - ALTERNATE	08-18-10	-
EL1-111	LIGHTING GROUND FLOOR PLAN	08-18-10	-
EL1-121	LIGHTING 1ST FLOOR PLAN	08-18-10	-
EL1-131	LIGHTING 2ND FLOOR PLAN	08-18-10	-
EL1-132	LIGHTING BRIDGE PLAN	08-18-10	-
EL1-141	LIGHTING ROOF PLAN	08-18-10	-
EP1-101	POWER BASEMENT PLAN	08-18-10	-
EP1-101A	POWER BASEMENT PLAN - ALTERNATE #1	08-18-10	-
EP1-111	POWER GROUND FLOOR PLAN	08-18-10	-
EP1-121	POWER 1ST FLOOR PLAN	08-18-10	-
EP1-131	POWER 2ND FLOOR PLAN	08-18-10	-
EP1-132	POWER BRIDGE PLAN	08-18-10	-
EP1-141	POWER ROOF PLAN	08-18-10	-
EP2-201	PANEL ELEVATIONS	08-18-10	-
EP2-202	PANEL ELEVATIONS	08-18-10	-
EP3-101	GROUNDING LOOP PLAN & DETAILS	08-18-10	-
EP4-201	ENLARGED POWER PLANS	08-18-10	-
EP4-202	ENLARGED POWER PLANS	08-18-10	-
EP5-201	POWER RISER DIAGRAM	08-18-10	-
EP5-202	SINGLE LINE DIAGRAM	08-18-10	-
EP6-101	LIGHTING FIXTURE SCHEDULE	08-18-10	-
EP6-103	LIGHTING RELAY PANEL SCHEDULES	08-18-10	-
EP6-104	TRANSFORMER AND FEEDER SCHEDULES	08-18-10	-
EP6-201	ELECTRICAL PANELBOARD SCHEDULES - BASEMENT	08-18-10	-
EP6-202	ELECTRICAL PANELBOARD SCHEDULES - BASEMENT	08-18-10	-
EP6-211	ELECTRICAL PANELBOARD SCHEDULES - GROUND FLOOR	08-18-10	-
EP6-212	ELECTRICAL PANELBOARD SCHEDULES - GROUND FLOOR	08-18-10	-
EP6-221	ELECTRICAL PANELBOARD SCHEDULES - 1ST FLOOR	08-18-10	-
EP6-222	ELECTRICAL PANELBOARD SCHEDULES - 1ST FLOOR	08-18-10	-
EP6-231	ELECTRICAL PANELBOARD SCHEDULES - 2ND FLOOR	08-18-10	-
EP6-232	ELECTRICAL PANELBOARD SCHEDULES - 2ND FLOOR	08-18-10	-
EP6-233	ELECTRICAL PANELBOARD SCHEDULES - 2ND FLOOR	08-18-10	-
EP7-101	ELECTRICAL DETAILS	08-18-10	-
EP7-102	ELECTRICAL DETAILS	08-18-10	-
EP7-103	ELECTRICAL DETAILS	08-18-10	-
EP7-104	ELECTRICAL DETAILS	08-18-10	-
EP7-105	ELECTRICAL DETAILS	08-18-10	-
EP7-106	ELECTRICAL DETAILS	08-18-10	-
EP7-107	ELECTRICAL DETAILS	08-18-10	-
EP7-108	ELECTRICAL DETAILS	08-18-10	-
EP7-109	ELECTRICAL DETAILS	08-18-10	-
TELECOMMUNICATIONS			
ET0-001	TELECOMMUNICATION SYMBOLS AND ABBREVIATIONS	08-18-10	-
TD0-201	TELECOMMUNICATION DEMOLITION SITE PLAN	08-18-10	-
TS0-201	TELECOMMUNICATION SITE PLAN	08-18-10	-
ET1-101	TELECOMMUNICATION BASEMENT FLOOR PLAN	08-18-10	-
ET1-101A	TELECOMMUNICATION BASEMENT FLOOR PLAN - ALTERNATE	08-18-10	-
ET1-102	TELECOMMUNICATION UNDERGROUND PLAN	08-18-10	-
ET1-111	TELECOMMUNICATION GROUND FLOOR PLAN	08-18-10	-
ET1-121	TELECOMMUNICATION 1ST FLOOR PLAN	08-18-10	-
ET1-131	TELECOMMUNICATION 2ND FLOOR PLAN	08-18-10	-
ET1-132	TELECOMMUNICATION BRIDGE PLAN	08-18-10	-
ET1-133	TELECOMMUNICATION 3RD FLOOR PLAN BLDG. 1	08-18-10	-
ET1-134	TELECOMMUNICATION 4TH FLOOR PLAN BLDG. 1	08-18-10	-
ET1-135	TELECOMMUNICATION 5TH FLOOR PLAN BLDG. 1	08-18-10	-
ET1-141	TELECOMMUNICATION ROOF FLOOR PLAN	08-18-10	-
ET2-101	ENLARGED TELECOMMUNICATION PLANS	08-18-10	-
ET3-101	TELECOMMUNICATION ELEVATIONS	08-18-10	-
ET3-102	TELECOMMUNICATION RACK ELEVATIONS	08-18-10	-
ET4-101	TELECOMMUNICATION RISERS	08-18-10	-
ET7-101	TELECOMMUNICATION FACEPLATES & PATHWAY DETAILS	08-18-10	-
ET7-102	TELECOMMUNICATION DETAILS	08-18-10	-
VERTICAL TRANSPORTATION			
VT01	GENERAL ELEVATOR INFORMATION	08-18-10	-
VT02	PLANS AND HOISTWAY SECTION ELEVATORS 1 AND 2	08-18-10	-
VT03	PLANS ELEVATORS 3 AND 4	08-18-10	-
VT04	HOISTWAY SECTION ELEVATORS 3 AND 4	08-18-10	-
HELIPAD DESIGN			
HP-G-1	HELIPORT GENERAL ARRANGEMENT PLAN AND NOTES	08-18-10	-
HP-G-2	HELIPORT AERONAUTICAL PLAN, PAINT PLAN AND FLIGHT PATH SECTION	08-18-10	-
HP-S-1	HELIPORT STRUCTURAL FRAMING PLAN AND NOTES	08-18-10	-
HP-S-2	HELIPORT STRUCTURAL SECTIONS	08-18-10	-
HP-S-3	HELIPORT STRUCTURAL SECTIONS	08-18-10	-
HP-S-4	HELIPORT STRUCTURAL SECTIONS, NOTES AND SCHEDULE	08-18-10	-
HP-M-1	HELIPORT MECHANICAL PLAN AND NOTES	08-18-10	-
HP-M-2	HELIPORT MECHANICAL DETAILS AND SECTIONS	08-18-10	-
HP-E-1	HELIPORT ELECTRICAL PLANS, NOTES AND SCHEDULE	08-18-10	-
HP-E-2	HELIPORT ELECTRICAL DETAIL	08-18-10	-

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE ENGINEERING INTERIOR DESIGN DESIGN/BUILD ASTORINO

227 First Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title: **DRAWING INDEX**

Approved: Project Director

Project Title: **VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.**

Location: **VAPHS UNIVERSITY DRIVE**

Date: **08-18-2010** | Checked: **Checker** | Drawn: **Author**

Project Number: **646CA2500R**

Building Number: **30**

Drawing Number: **GS0-001**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

Abbreviations

AFF	ABOVE FINISHED FLOOR
ACT	ACOUSTICAL TILE
ADJ	ADJACENT
ADMIN. ASSIST.	ADMINISTRATIVE ASSISTANT
ALT	ALTERNATE
ALUM	ALUMINUM
ADA	AMERICANS WITH DISABILITES ACT
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
AD	AREA DRAIN
AUTH	AUTHORITY
AED	AUTOMATED-EXTERNAL DIFIBRILLATOR
BB	BULLETIN BOARD
BRG	BEARING
BLKG	BLOCKING
BD	BOARD
BOT	BOTTOM
BLDG	BUILDING
BUR	BUILT-UP ROOF (ING)
CAB	CABINET
CPT	CARPET
CI	CAST IRON
CB	CATCH BASIN
CR. CT. ALCOVE	CRASH CART ALCOVE
CLR OPNG	CLEAR OPENING
CLG	CEILING
CEM	CEMENT
CFMF	COLD FORMED METAL FRAMING
CL	CENTERLINE/ COLUMN LINE
CT	CERAMIC TILE
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONT	CONTINUOUS
CONTR	CONTRACTOR
CJ	CONTROL JOINT
CG	CORNER GUARD STAINLESS STEEL
CTR	COUNTER
DEG	DEGREE (S)
DEMO	DEMOLISH
DET	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DR	DOOR
DN	DOWN
DWG	DRAWING
EA	EACH
EF	EACH FACE
EG	END GUARD STAINLESS STEEL
EW	EACH WAY
ELEC	ELECTRIC (AL)
EWC	ELECTRIC WATER COOLER
EL	ELEVATION
EM	EMERGENCY
EOS	EDGE OF SLAB
EQ	EQUAL
EPDM	SYNTHETIC RUBBER MEMBRANE (ETHYLENE PROPYLENE DIENE MONOMER)
EJ	EXPANSION JOINT
EXT	EXTERIOR
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EQUIP. ROOM	EQUIPMENT ROOM
FS	FAR SIDE
FIN	FINISH (ED)
FA	FIRE ALARM
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FH	FIRE HYDRANT
FL	FLOOR
FD	FLOOR DRAIN
FT	FOOT
FTG	FOOTING
GA	GAGE
GALV	GALVANIZED
GL	GLASS
GRD	GRADE
GD	GUARD
GWB	GYPSUM WALL BOARD
H.C.	HOUSEKEEPING CLOSET
HR	HANDRAIL
HD	HEAD
HTG	HEATING
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HW	HOT WATER
ID	INSIDE DIAMETER
INSUL	INSULATE (D) (ION)
INT	INTERIOR
INV	INVERT
JAN	JANITOR
JT	JOINT
LAM	LAMINATED
LH	LEFT HAND
LT	LIGHT
LOC	LOCATION/ LOCAL
GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
PM	PROJECT MANAGER
PA	PROJECT ARCHITECT
OWN	OWNER
MB	MARKERBOARD
MFG	MANUFACTURER
MAS	MASONRY
MO	MASONRY OPENING
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MED. ROOM	MEDICATIONS ROOM
MDF	MEDIUM DENSITY FIBERBOARD
MEM	MEMBRANE
MET. MTL	METAL
MTD	MOUNTED
MISC	MINIMUM / MINUTE
NC	MISCELLANEOUS
NS	NON COMBUSTIBLE
NOM	NEAR SIDE
NIC	NOMINAL
NTS	NOT IN CONTRACT
NO	NOT TO SCALE
OC	NUMBER
OD	ON CENTER
OFD	OUTSIDE DIAMETER
OH	OVERFLOW DRAIN
OPNG	OPPOSITE HAND
OPP	OPENING
OSCI	OPPOSITE
PTD	OWNER SUPPLIED, CONTRACTOR INSTALLED
PR	PAINTED
PNL	PAIR
PTN	PANEL
PLAS	PARTITION
PLAM	PLASTER
PL	PLASTIC LAMINATE
PWD	PLATE
PT	PLYWOOD
PVC	POINT
PSI	POLYVINYL CHLORIDE
PC	POUNDS PER SQ.INCH
PRE-FAB	PRE-CAST
PROJ	PREFABRICATED
PL	PROJECTION
	PROPERTY LINE
QTY	QUANTITY
QT	QUARRY TILE
RAD	RADIUS
RLG	RAILING
RWL	RAIN WATER LEADER
REC	RECESSED
RE:	REFER TO
REINF	REINFORCE (D) (ING)
REQ'D	REQUIRED
RA	RETURN AIR
REV	REVISION
RH	RIGHT HAND
R/FEC	RECESSED FEC
	RISER
RD	ROOF DRAIN
RS	ROLLER SHADE
RO	ROUGH OPENING
SECT	SECTION
S/FEC	SURFACE MOUNTED FEC
SIM	SIMILAR
SL	SLOPE
SOL	SOLID
SC	SOLID CORE
SPEC	SPECIFICATIONS
SQ	SQUARE
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
SD	STORM DRAIN
S.O.	SLAB OPENING
STRUCT	STRUCTURAL
SFC	SURFACE
SUSP	SUSPENDED
TB	TACKBOARD
TEMP	TEMPERED/ TEMPERATURE
TZO	TERRAZZO
TH	THRESHOLD
TOD	TOP OF DECK
TOS	TOP OF STEEL
TOW	TOP OF WALL
TOT	TOTAL
	TREAD
TRT	TREATED
TYP	TYPICAL
TV	TELEVISION
UL	UNDERWRITERS LABORATORIES INC.
UNO	UNLESS NOTED OTHERWISE
VEN	VENEER
VTR	VENT THROUGH ROOF
VIF	VERIFY IN FIELD
VERT	VERTICAL
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALL COVERING
WB	WHITE BOARD
WGA	WALL GUARD ACRYLIC
WGS	WALL GUARD STAINLESS STEEL
WSCT	WAINSCOT
WPFG	WATERPROOFING
WT	WEIGHT
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORK POINT

Symbols

- 6 — TOILET ACCESSORY TAG
- 101 — DOOR TAG
- 11 — WINDOW TAG
- 23 — DEMOLITION TAG
- 8 — PARTITION TYPE
- 234 — EQUIPMENT TAG
- 1 A101 SIM — CASEWORK SECTION
- 1 A101 SIM — INTERIOR SECTION
- 1 View Name 1/8" = 1'-0" — DRAWING TITLE
- 1 A101 SIM — ENLARGED PLAN / DETAIL REFERENCE
- Room name 101 — ROOM TAG
- 1 A0-101 — INTERIOR ELEVATION TAG
- 1 AS1-101 — EXTERIOR ELEVATION TAG
- 1 A101 SIM — SECTION TAG
- A B — MATCHLINE
- 925.50 — SPOT ELEVATION
- 8'-0" — CEILING HEIGHT INDICATOR ABOVE FINISHED FLOOR
- 13 — EQUIPMENT TAG
- LAY IN ACOUSTICAL TILE CEILING PANELS
- GYPSUM BOARD CEILING PANELS
- CUBICAL CURTIAN TRACK
- 23 — NUMBERED KEY NOTE
- B — LETTERED KEY NOTE
- L — SIGNAGE TAG
- 1 — REVISION DELTA
- 0 — COLUMN BUBBLE NEW WORK
- 0 — COLUMN BUBBLE EXISTING WORK
- Name Elevation — ELEVATION MARK
- N — NORTH INDICATOR
- TRUE NORTH / N / BUILDING NORTH

Material Symbols

- EARTH
- COURSE POROUS FILL
- CAST IN-PLACE-CONCRETE
- GROUT
- BRICK
- CONCRETE UNIT MASONRY
- CAST STONE
- STEEL
- ALUMINUM
- CONTINUOUS WOOD FRAMING
- WOOD BLOCKING
- PLYWOOD (LARGE SCALE)
- FINISH LUMBER FOR ARCHITECTURAL WOODWORK
- FIBROUS INSULATION
- GLASS (LARGE SCALE)
- GYPSUM BOARD
- RESLIENT TILE (SCALE)

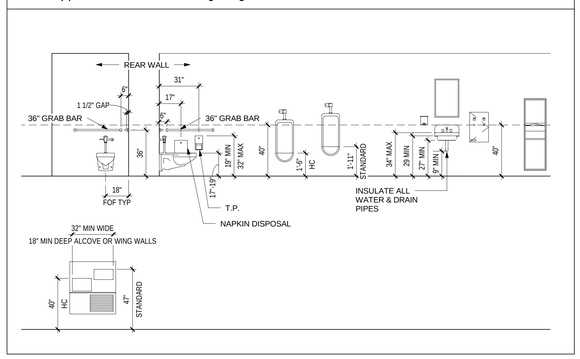
Partition Rating Legend

	1 HOUR FIRE	HAZARDOUS AREA
	2 HOUR FIRE	SHAFT
—S—S—S—S—S—	1 HOUR SMOKE BARRIER	SMOKE ZONE

General Notes

1. DO NOT SCALE DRAWINGS.
2. ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITION (GWB), UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL DISCREPANCIES PRIOR TO COMMENCING WITH THE WORK.
4. LARGE SCALE DETAILS SHALL GOVERN OVER SMALLER SCALE PLANS.
5. NEW PARTITIONS ABUTTING EXISTING CONSTRUCTION SHALL BE ALIGNED TO PROVIDE A CONTINUOUS FLUSH FACE, UNLESS NOTED OTHERWISE.
6. CONTRACTOR SHALL CLOSE (WITH MATERIALS MATCHING & ALIGNING WITH EXISTING ADJACENT CONSTRUCTION) ALL DUCT, GRILLE, PIPING & CONDUIT WALL, PARTITION, FLOOR AND ROOF OPENINGS THAT ARE SCHEDULED TO BE REMOVED OR ALTERED. BOND (TOOTH) NEW & EXISTING MASONRY, UNLESS NOTED OTHERWISE.
7. CONTRACTOR SHALL PROVIDE ALL NEW OPENINGS REQUIRED IN NEW & EXISTING PARTITIONS, EXTERIOR WALLS, FLOORS AND ROOF FOR NEW & EXISTING MECHANICAL, ELECTRICAL AND PLUMBING WORK. FURNISH & INSTALL ALL REQUIRED LINTELS AND SLEEVES FOR ALL NEW & EXISTING PIPING CONDUITS, DUCTWORK, ETC. COORDINATE THIS WORK WITH MECHANICAL & ELECTRICAL CONTRACTORS. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS.
8. CONTRACTOR SHALL MODIFY EXISTING INTERIOR PARTITIONS TO REMAIN SO AS TO MATCH AND ALIGN W/ NEW ADJACENT PARTITION CONSTRUCTION.
9. TYPICAL LOCATION OF INTERIOR DOORS FROM ADJACENT WALL TO BE 6" TO THE INSIDE FACE OF FRAME UNLESS NOTED OTHERWISE.
10. TOILETS MARKED AS ACCESS. TOILET ON THE FLOOR PLANS ARE DESIGNED TO MEET USAF/VA ACCESSIBILITY STANDARDS.

Handicapped Accessible Mounting Heights



FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE ENGINEERING INTERIOR DESIGN DESIGN/BUILD

ASTORINO

227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 WWW astorino.com

Drawing Title: **ABBREVIATIONS AND SYMBOLS**

Approved: Project Director

Project Title: **VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.**

Location: **VAPHS UNIVERSITY DRIVE**

Date	Checked	Drawn
08-18-2010	Checker	Author

Project Number: **646CA2500R**

Building Number: **30**

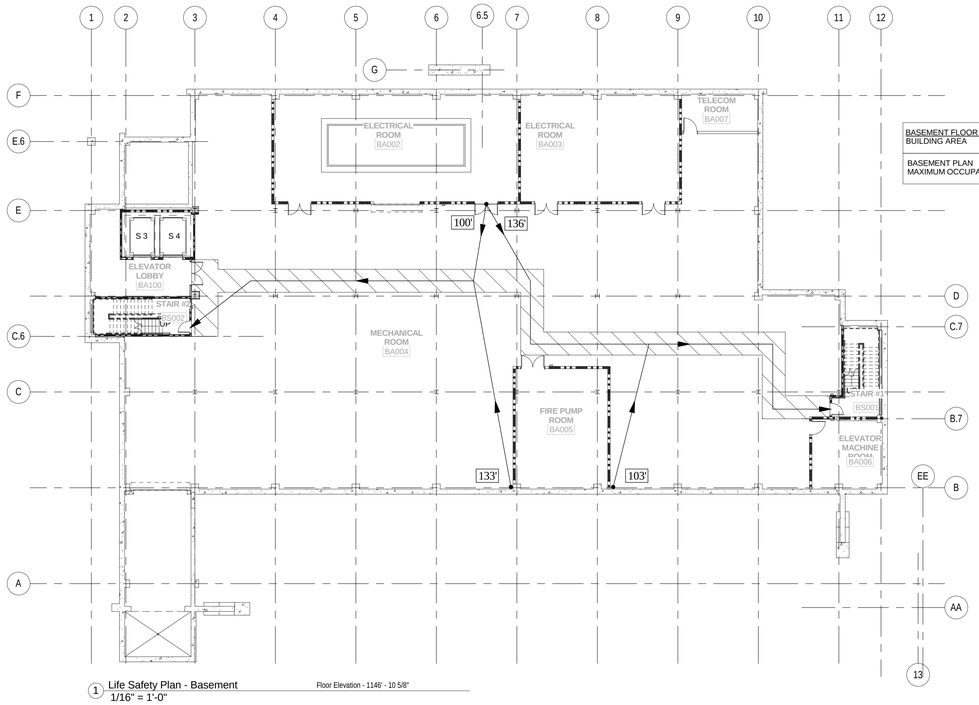
Drawing Number: **GS0-002**

Dwg. of

Office of Facilities Management

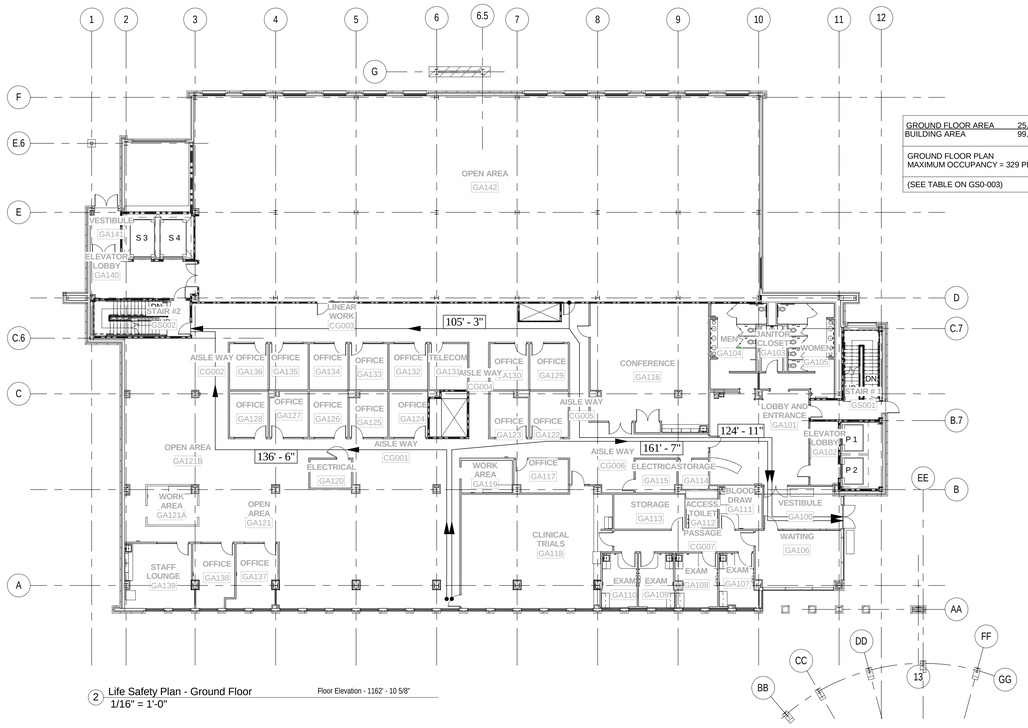
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



BASEMENT FLOOR AREA	20,930 SF
BUILDING AREA	99,358 SF
BASEMENT PLAN MAXIMUM OCCUPANCY =65 PERSONS	

1 Life Safety Plan - Basement
1/16" = 1'-0"
Floor Elevation - 1146' - 10 5/8"



GROUND FLOOR AREA	25,206 SF
BUILDING AREA	99,358 SF
GROUND FLOOR PLAN MAXIMUM OCCUPANCY = 329 PERSONS	
(SEE TABLE ON GS0-003)	

2 Life Safety Plan - Ground Floor
1/16" = 1'-0"
Floor Elevation - 1162' - 10 5/8"

Code Data

THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE FOLLOWING GUIDELINES
AND THE LATEST EDITION OF THE FOLLOWING CODES:

- NFPA 101 2009 (LSC)
- Uniform Federal Accessibility Standards (UFAS)
- Department of Veterans Affairs - Design Manuals and Standards
- National Fire Protection Association (NFPA) except NFPA 5000
- National Standard Plumbing Code (NSPC)
- National Electric Code (NEC)
- International Mechanical Code 2006
- Occupational, Safety and Health Administration (OSHA)
- IBC 2009

	NFPA 101 2009 (LSC)
USE GROUP(S)	BUSINESS, ASSEMBLY, LOW HAZARD, INDUSTRIAL
CONSTRUCTION TYPE	II (0,0,0)
SPRINKLERS	PROVIDED
STORIES	3
STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	NON-COMBUSTIBLE
BEARING WALLS- EXTERIOR INTERIOR	NON-COMBUSTIBLE
NON-BEARING WALLS & PARTITIONS EXTERIOR INTERIOR	NON-COMBUSTIBLE
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS, TRUSSES AND FRAMING.	NON-COMBUSTIBLE
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS, TRUSSES AND FRAMING	NON-COMBUSTIBLE

FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON SEPARATION DISTANCE		
FIRE SEPARATION DISTANCE	TYPE OF CONSTRUCTION	GROUP A, B, E, F-2, I, R, S-2, U
< 5	ALL	1
> 5 < 10	IA OTHERS	1 1
≥ 10 < 30	IA, IB 11B, VB OTHERS	1 0 1
> 30	ALL	0

MINIMUM FIRE RESISTANCE RATING OF ENCLOSURES	HOURS
MAIN ELECTRICAL SWITCHGEAR ROOM	1
EMERGENCY GENERATOR	2
TELEPHONE, ELECTRICAL CLOSETS AND MECHANICAL EQUIPMENT ROOMS	NON-COMBUSTIBLE
STORAGE ROOMS GREATER THAN 100 SQ.FT.	SMOKE PARTITION
BOILER AND FURNACE ROOMS	NON-COMBUSTIBLE

TRAVEL DISTANCE	300'
COMMON PATH OF EGRESS TRAVEL	100'
DEAD END CORRIDOR	50' WHERE SPRINKLED

CORRIDOR WIDTHS (LSC)	
OFFICES OR OTHER AREAS NOT SUBJECT TO HOUSING, TREATMENT OR USE OF INPATIENTS	44 INCHES

EXIT CAPACITY (LSC)	
STAIRS	0.3 INCHES PER PERSON
LEVEL COMPONENTS & RAMPS	0.2 INCHES PER PERSON

MINIMUM CLEAR WIDTH OF DOORS (LSC)	
ALL AREAS	32 INCHES CLEAR WIDTH

OCCUPANCY FIRE SEPARATION ASSEMBLIES	
EXTERIOR NON-BEARING WALLS	NON-COMBUSTIBLE
INTERIOR NON-BEARING WALLS	NON-COMBUSTIBLE
EXIT ACCESS CORRIDORS	NON-COMBUSTIBLE
ENCLOSURES OF EXIT CORRIDORS, STAIRWAYS AND ASSOCIATED EXIT CORRIDORS CONNECTING 3 OR FEWER STORIES	2
SHAFTS AND ELEVATOR HOISTWAYS CONNECTING 3 OR FEWER STORIES	2

OCCUPANCY LOAD FACTORS (LSC)	
BUSINESS AREAS	100 SQUARE FEET
STORAGE, MECHANICAL ROOMS	300 SQUARE FEET
ASSEMBLY, TABLES AND CHAIRS	15 SQUARE FEET NET
ASSEMBLY, CHAIRS ONLY	7 SQUARE FEET NET

Partition Rating Legend

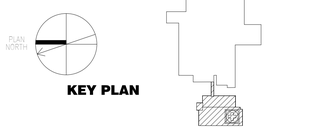
	1 HOUR FIRE	HAZARDOUS AREA
	2 HOUR FIRE	SHAFT
—S—S—S—S—S—	1 HOUR SMOKE BARRIER	SMOKE ZONE

Occupancy Table

Floor	Occupancy Description	Total Area (in SF)	Area per Occupant	Total Occupancy	
Basement	Industrial (Mechanical Space)	19,483	1/300	65	
Ground Floor	Buisness	14,954	1/100	143	329
	Assembly (less concentrated use without fixed seating)	1597	1/15	107	
	Low Hazard	7,907	1/100	79	
First Floor	Buisness	15,258	1/100	152	287
	Assembly (less concentrated use without fixed seating)	770	1/15	52	
	Low Hazard	8,236	1/100	83	
Second Floor	Buisness	16,648	1/100	166	287
	Assembly (less concentrated use without fixed seating)	770	1/15	52	
	Industrial (Mechanical Space)	4,420	1/300	15	
Bridge	Buisness	1,958	100	19	
Roof	Buisness	1,548	100	15	

Egress Table

Floor	Basement	Ground	First	Second	Bridge	Roof
Total Occupancts and Direction of Travel	65 up	535 from above + 329 = 864 up 65 from below = 929 =2000	535 down	248 down	34 down	15 down
Stair Width Required/Drawn (total cumulative occupant load <2000)	44"/48"	at grade	44"/48"	44"/48"	44"/48"	44"/48"
Egress Options at each level	2 new stairs	3 exits to grade	2 new stairs	2 new stairs	1 new stair and bridge to existing building	1 new stair and 1 new access hatch
Re-Entry Allowed	no	yes	no	no	no	no
# Egress Points Required	2	2	2	2	2	2
Egress Capacity Stairs (min. width 44")	65/2*.3 = 9.75"		267/2*.3 = 43.05"	233/2*.3 = 34.95"	19/2*.3 = 2.85"	15/2*.3 = 2.25"
# Egress Capcity Level (min 36")		329/2*.2 = 32.9"				



KEY PLAN

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE ENGINEERING INTERIOR DESIGN DESIGN/BUILD

ASTORINO

227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title: **CODE ANALYSIS - LIFE SAFETY**

Approved: Project Director

Project Title: **VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.**

Location: **VAPHS UNIVERSITY DRIVE**

Date: **08-18-2010** | Checked: **Checker** | Drawn: **Author**

Project Number: **646CA2500R**

Building Number: **30**

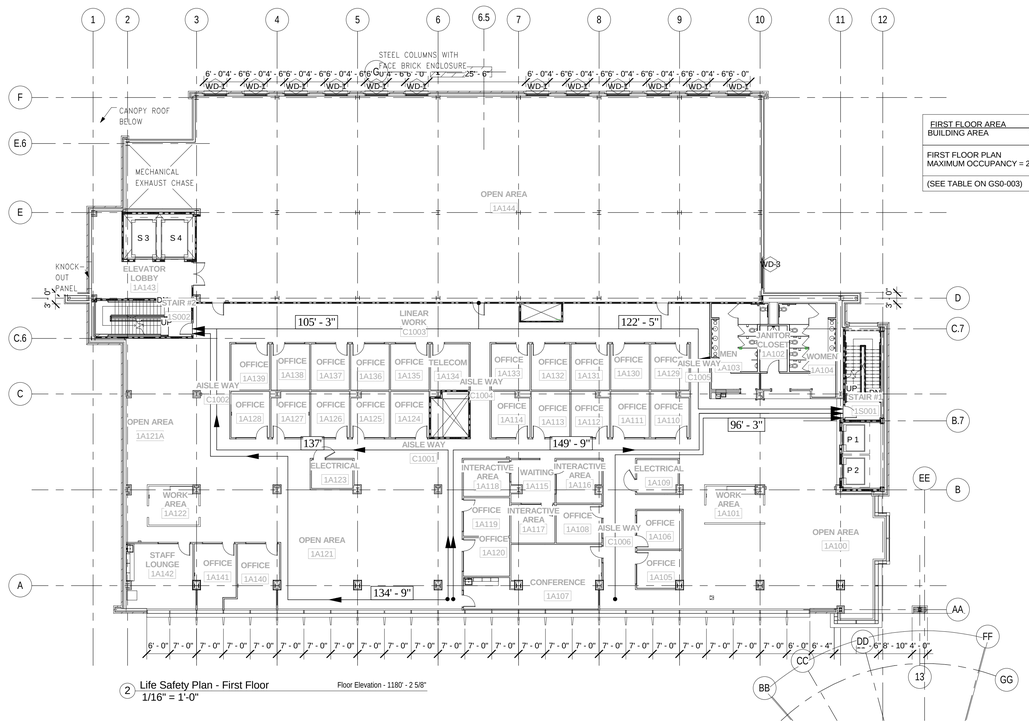
Drawing Number: **GS0-003**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

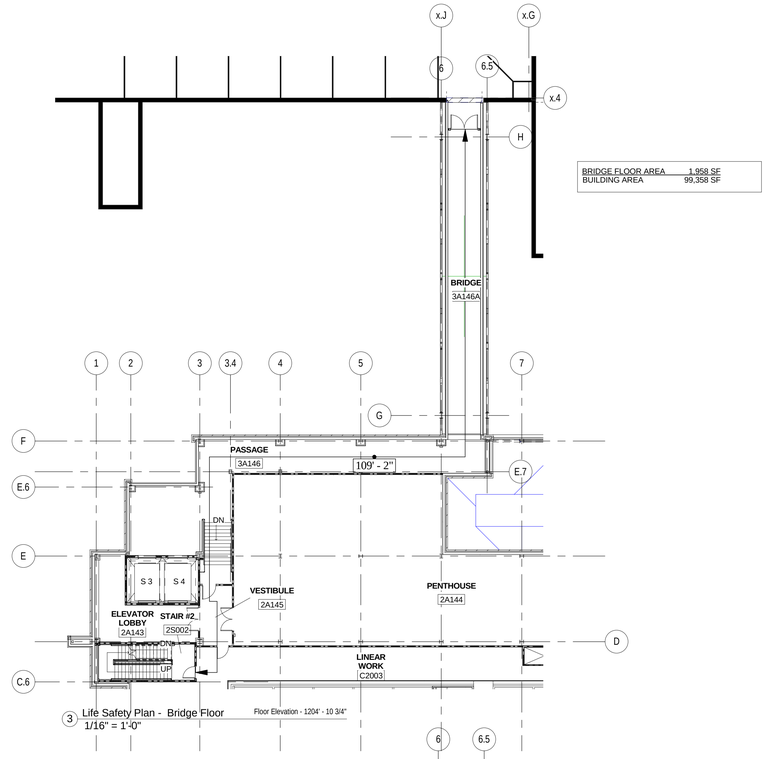


2 Life Safety Plan - First Floor
1/16" = 1'-0"
Floor Elevation - 1180' - 2 5/8"

FIRST FLOOR AREA	25,668 SF
BUILDING AREA	99,358 SF

FIRST FLOOR PLAN
MAXIMUM OCCUPANCY = 287 PERSONS

(SEE TABLE ON GS0-003)

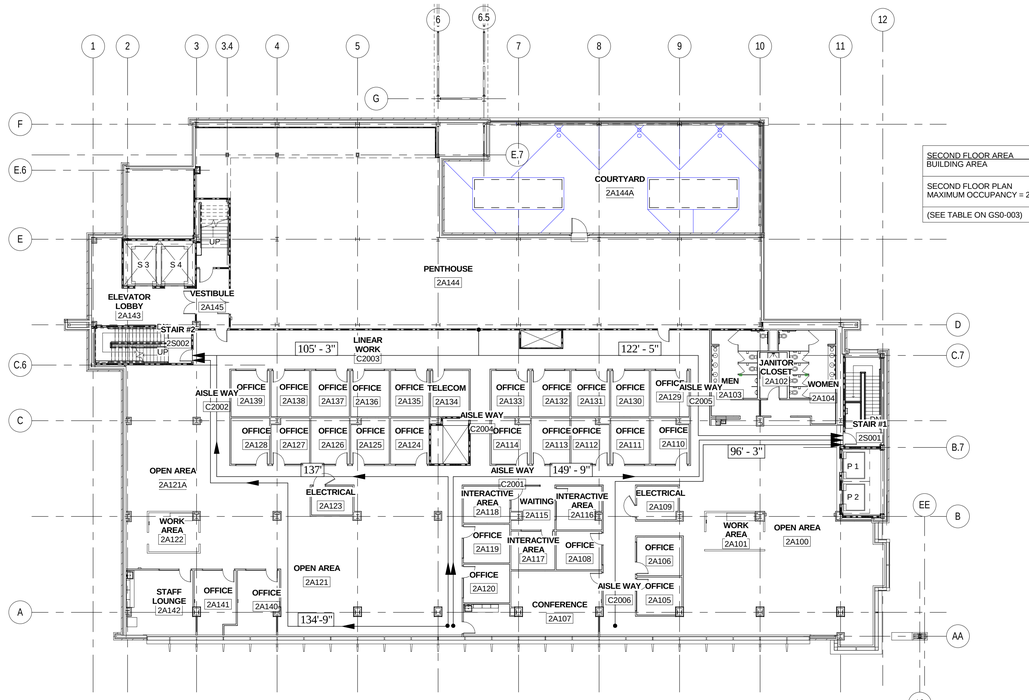


3 Life Safety Plan - Bridge Floor
1/16" = 1'-0"
Floor Elevation - 1204' - 10 3/4"

BRIDGE FLOOR AREA	1,958 SF
BUILDING AREA	99,358 SF

Partition Rating Legend

1 HOUR FIRE	HAZARDOUS AREA
2 HOUR FIRE	SHAFT
1 HOUR SMOKE BARRIER	SMOKE ZONE

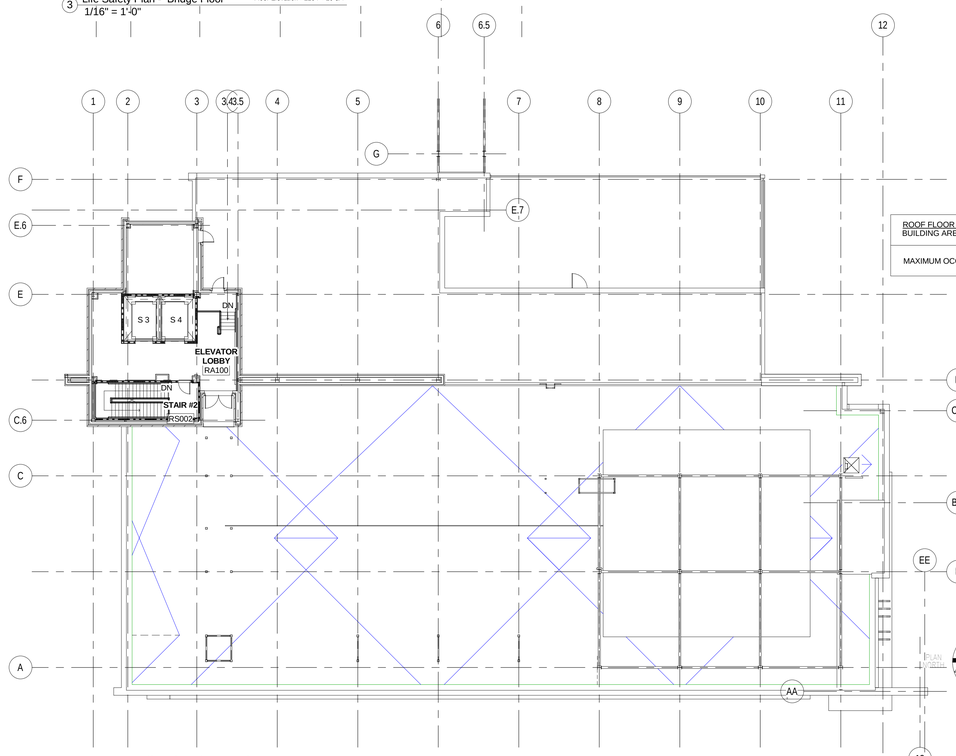


1 Life Safety Plan - Second Floor
1/16" = 1'-0"
Floor Elevation - 1197' - 6 5/8"

SECOND FLOOR AREA	23,429 SF
BUILDING AREA	99,358 SF

SECOND FLOOR PLAN
MAXIMUM OCCUPANCY = 233 PERSONS

(SEE TABLE ON GS0-003)



4 Life Safety Plan - Roof
1/16" = 1'-0"
Floor Elevation - 1215' - 6 5/8"

ROOF FLOOR AREA	1,548 SF
BUILDING AREA	99,358 SF

MAXIMUM OCCUPANCY = 15 PERSONS

KEY PLAN

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE ENGINEERING INTERIOR DESIGN DESIGN/BUILD

ASTORINO

227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title
CODE ANALYSIS - LIFE SAFETY

Approved: Project Director

Project Title
VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.

Location
VAPHS UNIVERSITY DRIVE

Date	Checked	Drawn
08-18-2010	Checker	Author

Project Number
646CA2500R

Building Number
30

Drawing Number
GS0-004

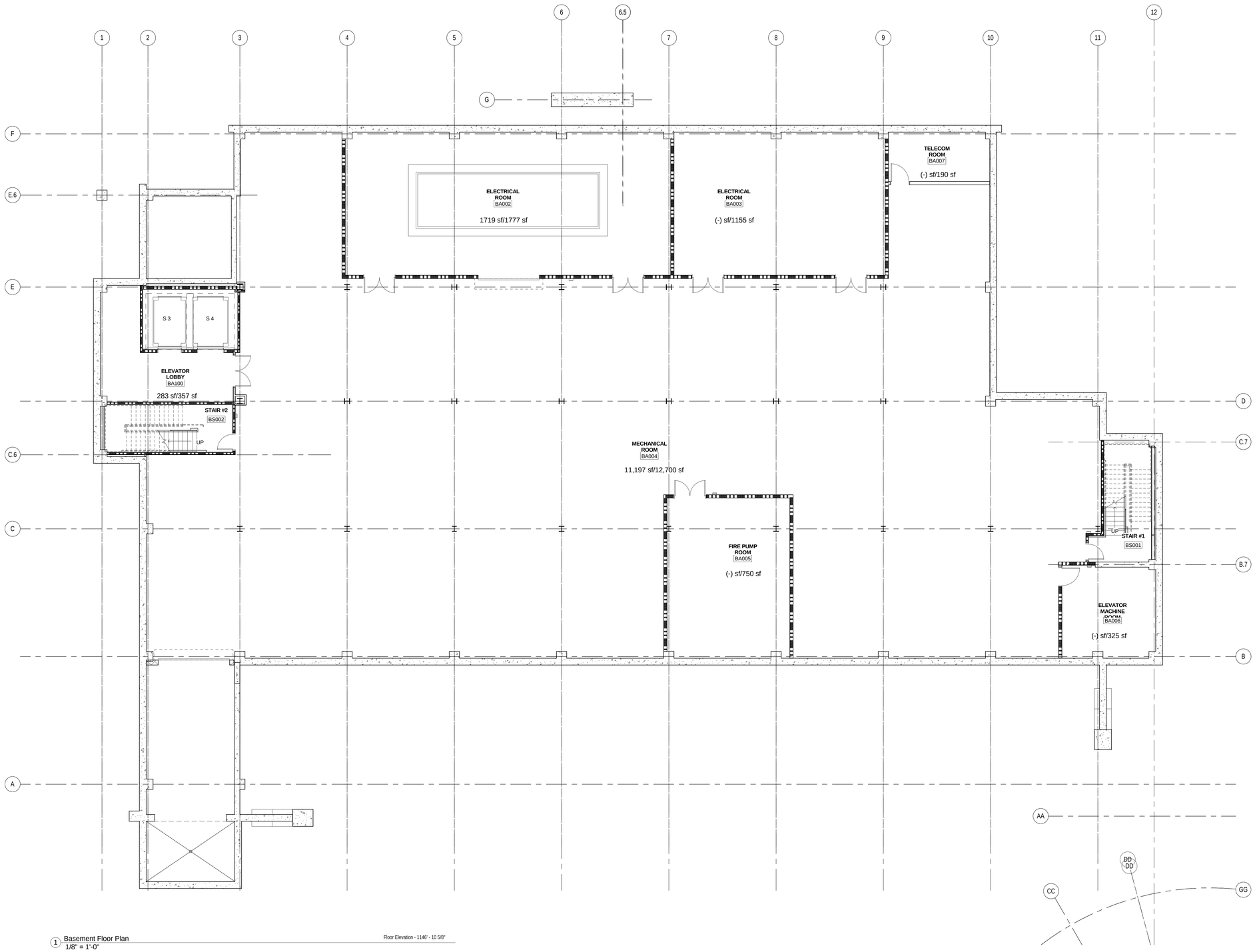
Dwg. of

Office of Facilities Management

Department of Veterans Affairs

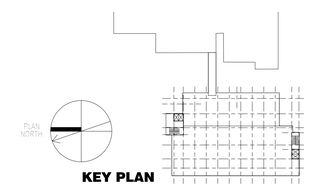
VA FORM 08-6231, OCT 1978

FLOOR AREA: 20,930 SF
BUILDING AREA: 99,358 SF



1 Basement Floor Plan
1/8" = 1'-0"

Floor Elevation - 1146' - 10 5/8"



KEY PLAN

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
DESIGN/BUILD

ASTORINO

227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title
BASEMENT - BUILDING AREA PROGRAM SQ FT

Approved: Project Director

Project Title
VA CARES CONSOLIDATION & VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.

Location
VAPHS UNIVERSITY DRIVE

Date	Checked	Drawn
08-18-2010	Checker	Author

Project Number
646CA2500R

Building Number
30

Drawing Number
GS0-005

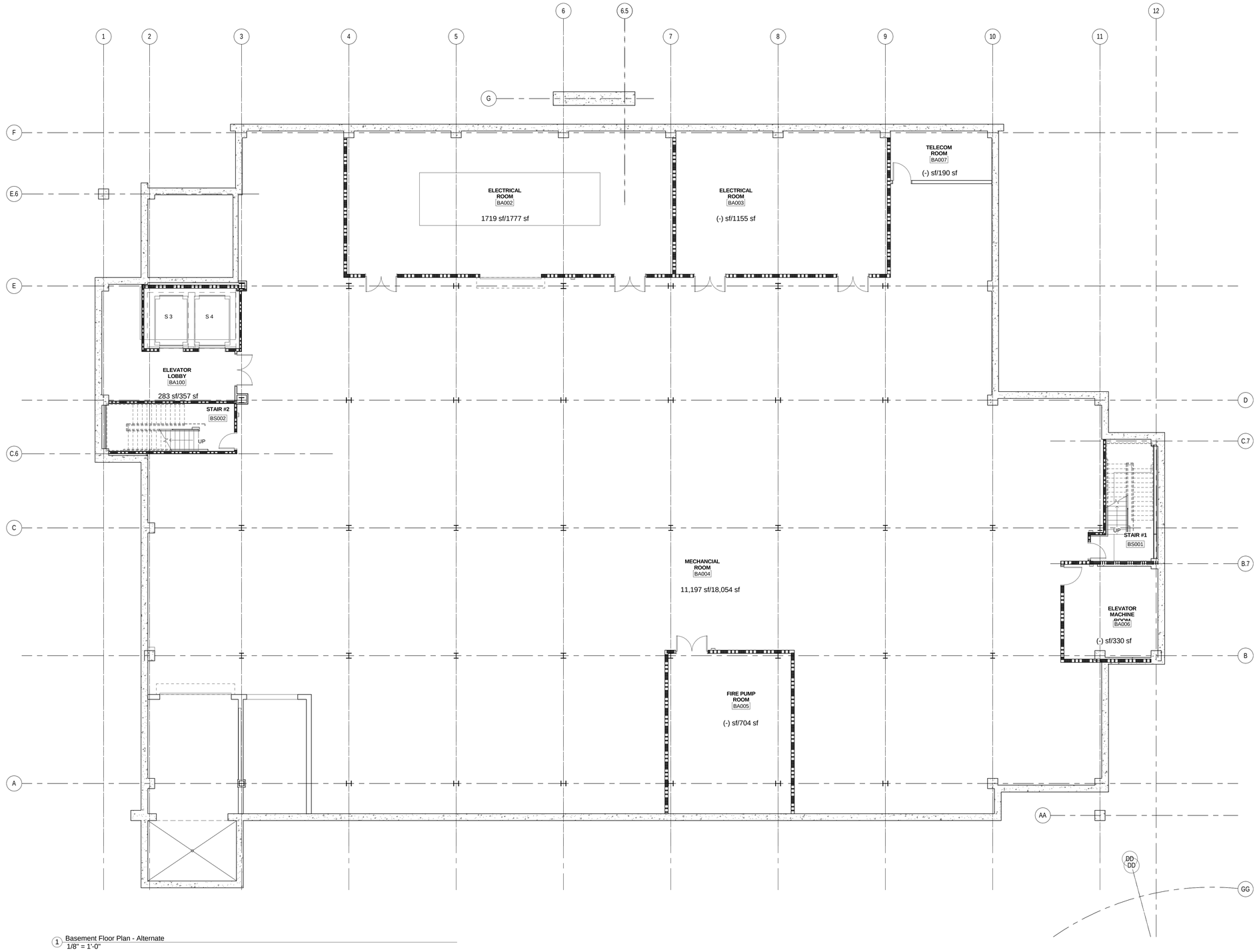
Dwg. of

Office of Facilities Management

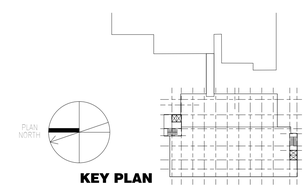
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

FLOOR AREA: 25,468 SF
BUILDING AREA ALT: 103,897 SF



1 Basement Floor Plan - Alternate
1/8" = 1'-0"



KEY PLAN

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
DESIGN/BUILD

ASTORINO

227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title
BASEMENT ALT - BUILDING AREA & PROGRAM SQ FT

Approved: Project Director

Project Title
VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.

Location
VAPHS UNIVERSITY DRIVE

Date	Checked	Drawn
08-18-2010	Checker	Author

Project Number
646CA2500R

Building Number
30

Drawing Number
GS0-005A

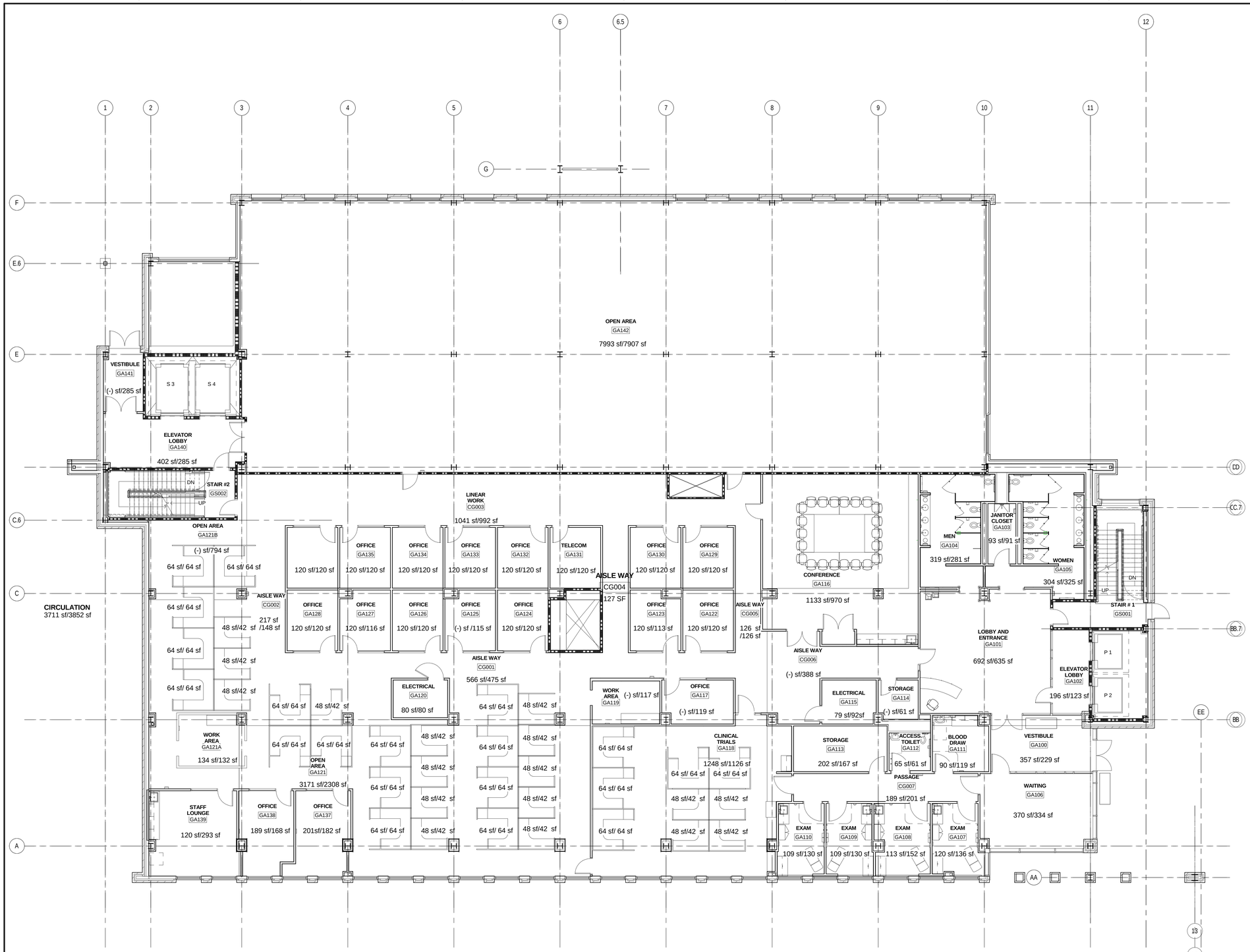
Dwg. of

Office of Facilities Management

Department of Veterans Affairs

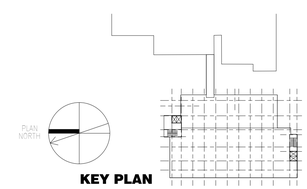
VA FORM 08-6231, OCT 1978

FLOOR AREA: 25,206 SF
BUILDING AREA: 99,358 SF



1 Ground Floor Plan
1/8" = 1'-0"

Floor Elevation - 1162' - 10 5/8"



KEY PLAN

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
DESIGN/BUILD

ASTORINO

227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title
GROUND FLOOR - BUILDING AREA & PROGRAM SQ FT

Approved: Project Director

Project Title
VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.

Location
VAPHS UNIVERSITY DRIVE

Date: **08-18-2010** | Checked: **Checker** | Drawn: **Author**

Project Number: **646CA2500R**

Building Number: **30**

Drawing Number: **GS0-006**

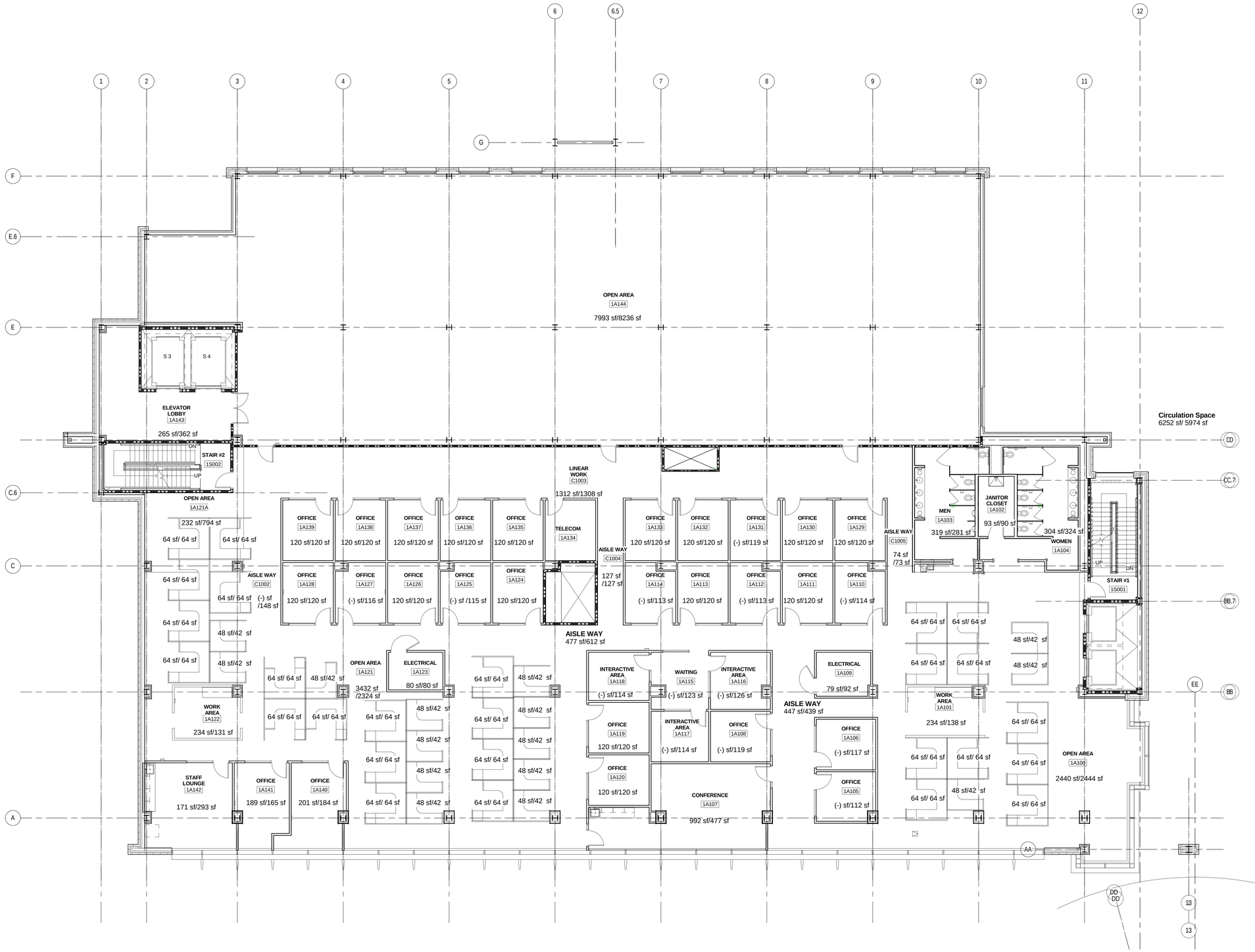
Dwg. of

Office of Facilities Management

Department of Veterans Affairs

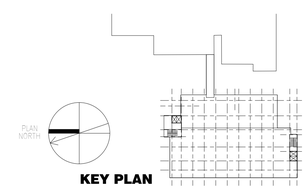
VA FORM 08-6231, OCT 1978

FLOOR AREA: 25,668 SF
BUILDING AREA: 99,358 SF



1 First Floor Plan
1/8" = 1'-0"

Floor Elevation - 1180' - 2 5/8"



KEY PLAN

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE ENGINEERING INTERIOR DESIGN DESIGN/BUILD ASTORINO

227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title: **FIRST FLOOR - BUILDING AREA & PROGRAM SQ FT**

Approved: Project Director

Project Title: **VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.**

Location: **VAPHS UNIVERSITY DRIVE**

Date: **08-18-2010** | Checked: **Checker** | Drawn: **Author**

Project Number: **646CA2500R**

Building Number: **30**

Drawing Number: **GS0-007**

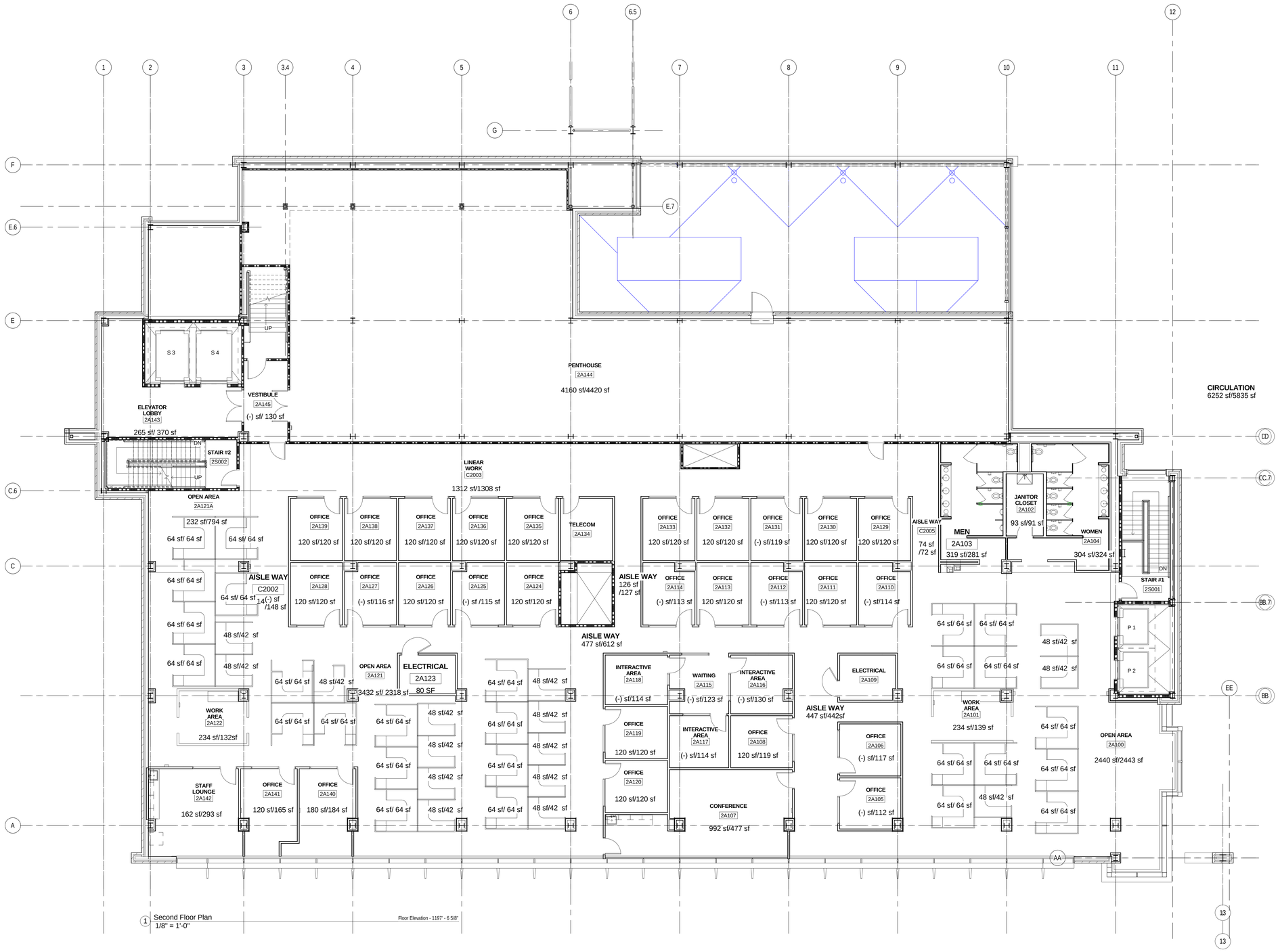
Dwg. of

Office of Facilities Management

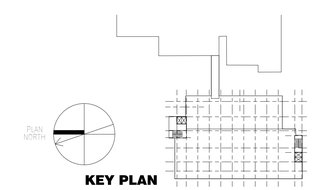
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

FLOOR AREA: 23,429 SF
BUILDING AREA: 99,358 SF



1 Second Floor Plan
1/8" = 1'-0"



KEY PLAN

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
DESIGN/BUILD

ASTORINO

227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title
SECOND FLOOR - BUILDING AREA & PROGRAM SQ FT

Approved: Project Director

Project Title
VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.

Location
VAPHS UNIVERSITY DRIVE

Date **08-18-2010** | Checked **Checker** | Drawn **Author**

Project Number **646CA2500R**

Building Number **30**

Drawing Number **GS0-008**

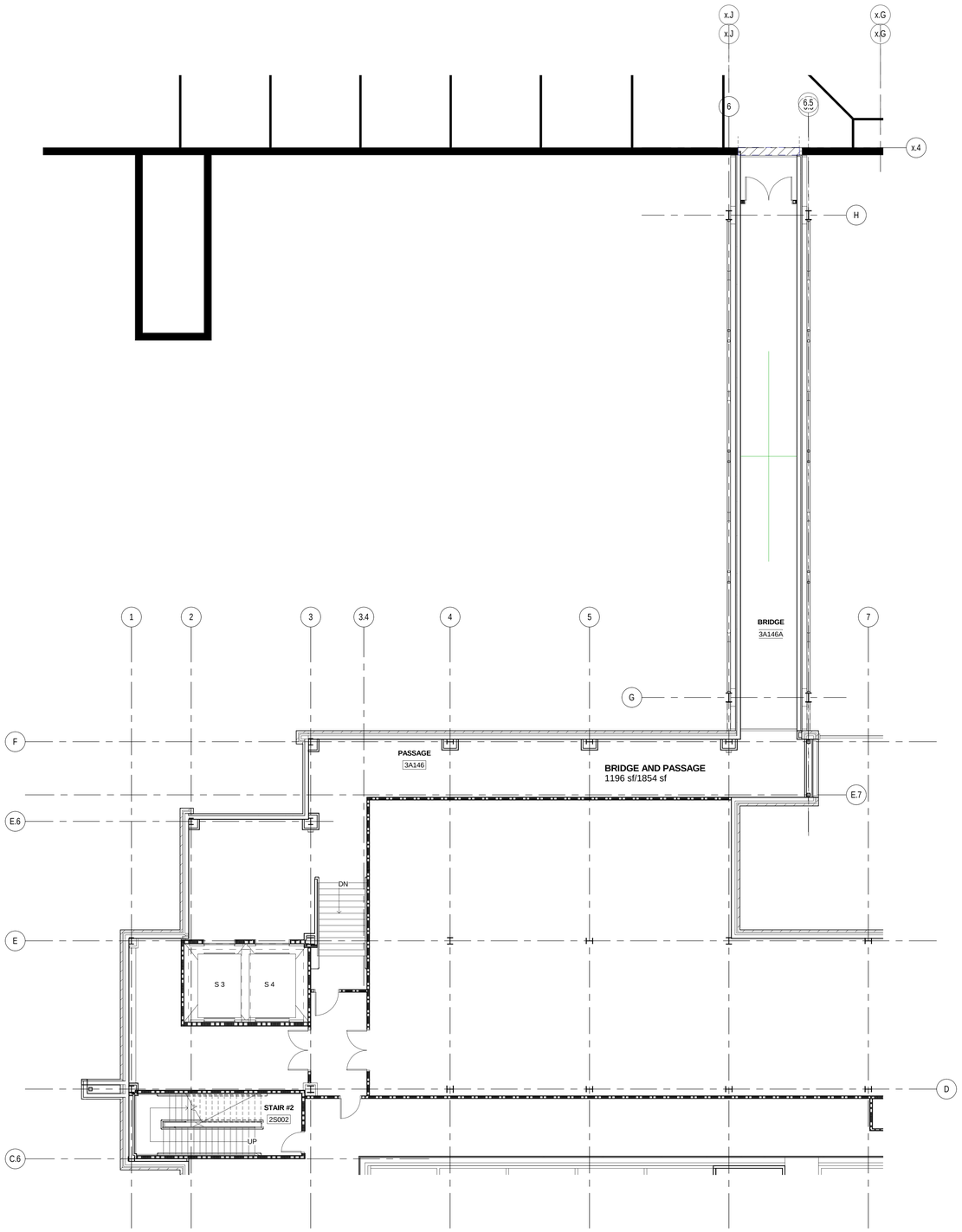
Dwg. of

Office of Facilities Management

Department of Veterans Affairs

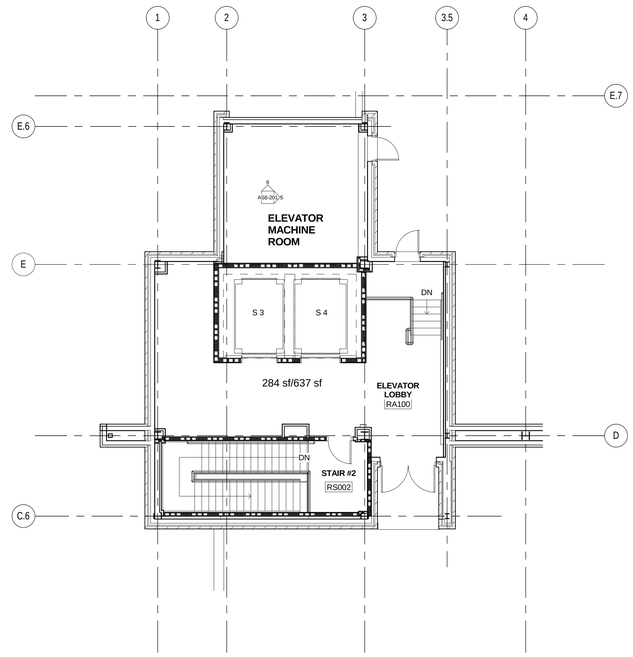
VA FORM 08-6231, OCT 1978

FLOOR AREA: 1,958 SF
BUILDING AREA: 99,358 SF

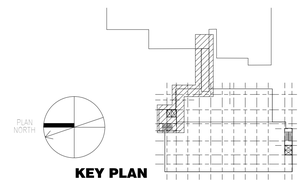


1 Bridge Floor Plan
1/8" = 1'-0"
Floor Elevation - 1204' - 10 3/4"

FLOOR AREA: 1,548 SF
BUILDING AREA: 99,358 SF



2 Roof Floor Plan
1/8" = 1'-0"
Floor Elevation - 1215' - 6 5/8"



KEY PLAN

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
DESIGN/BUILD

ASTORINO

227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title
BRIDGE & ROOF PLAN - BUILDING AREA & PROGRAM SF

Approved: Project Director

Project Title
VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.

Location
VAPHS UNIVERSITY DRIVE

Date **08-18-2010** | Checked **Checker** | Drawn **Author**

Project Number **646CA2500R**

Building Number **30**

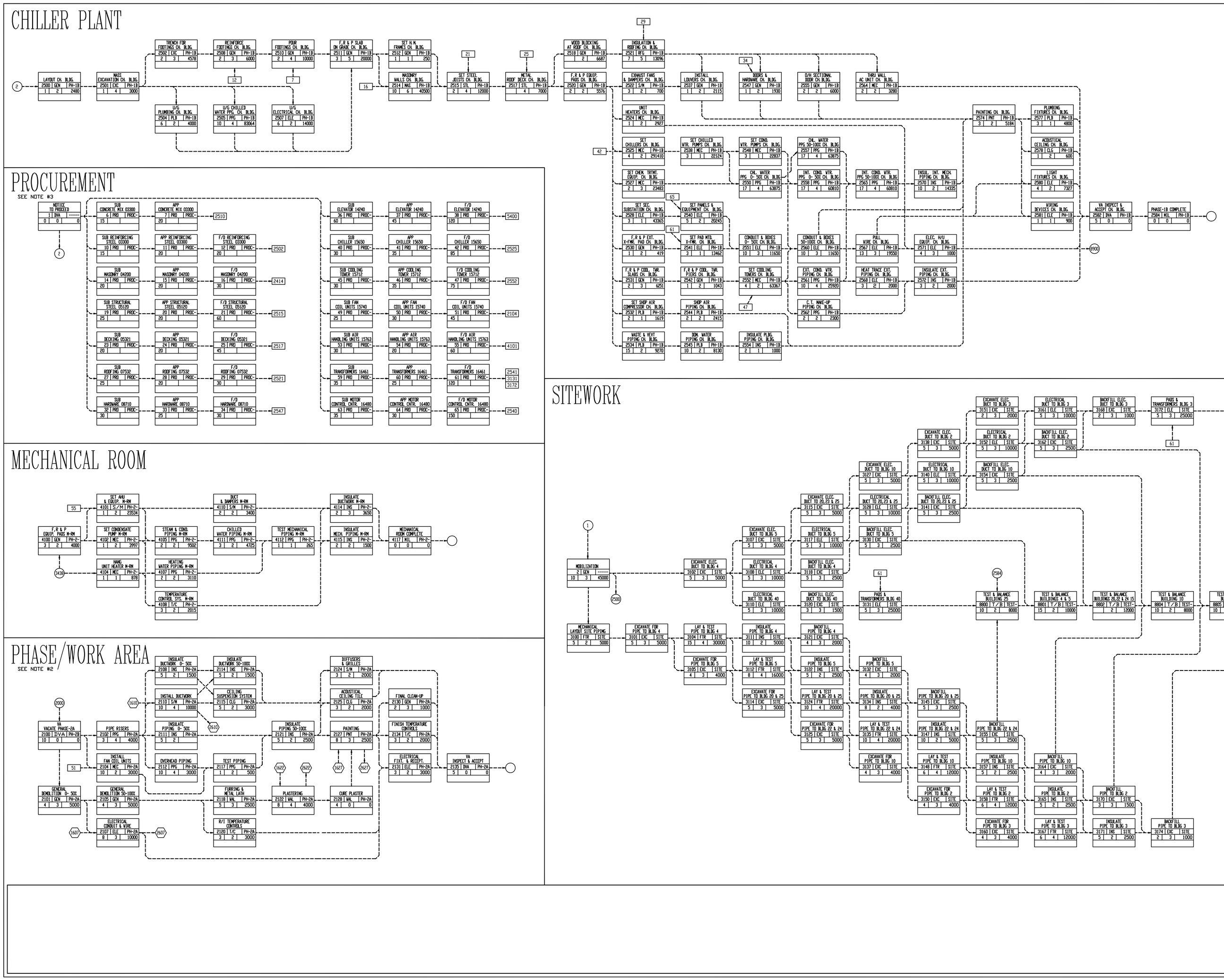
Drawing Number **GS0-009**

Dwg. of

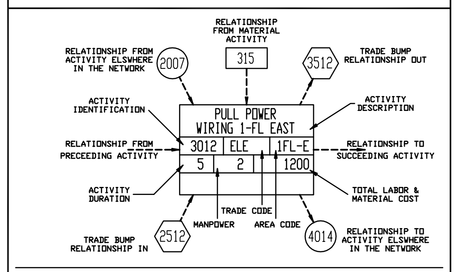
Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



SYMBOL LEGEND



NOTE: RELATIONSHIPS MAY BE DIFFERENT TYPES AS FOLLOWS.

FS OR BLANK - PRECEEDING ACTIVITY MUST FINISH BEFORE SUCCEEDING ACTIVITY CAN START

SS-(DUR) - PRECEEDING ACTIVITY MUST START BEFORE SUCCEEDING ACTIVITY CAN START

FF-(DUR) - PRECEEDING ACTIVITY MUST FINISH BEFORE SUCCEEDING ACTIVITY CAN FINISH

NOTES

1. THE SAMPLE CPM NETWORKS SHOWN ON THIS DRAWING ARE FOR THE CONTRACTOR'S INFORMATION. THE SAMPLE NETWORKS INDICATE THE LEVEL OF DETAIL AND TECHNIQUE WHICH WILL BE REQUIRED ON THE CONTRACTOR'S NETWORK TO COMPLY WITH THE REQUIREMENTS OF THE 'NAS' SECTION OF THE SPECIFICATIONS. THE CPM LEGEND SHOWN ON THIS DRAWING MUST BE USED BY THE CONTRACTOR IN DEVELOPING AND GRAPHICALLY PORTRAYING HIS NETWORK.

2. THE CONTRACTOR SHOULD REFER TO SPECIFICATIONS SECTIONS: 01001 (PAYMENT CLAUSES); 01010 (1. G/PHASING); AND 01310 (NAS) FOR FURTHER INFORMATION.

3. THE APPROVAL TIME OF LONG-LEAD PROCUREMENT AND JOINT REVIEW ITEMS SHALL REQUIRE MORE THAN THE MINIMUM DURATION OF TWENTY (20) WORK DAYS. THE APPROVAL DURATION FOR ITEMS LISTED UNDER THE SUBMITTALS/DELIVERIES ON DRAWING CPM-1 ARE CONTRACTUAL.

4. THE CONTRACT DURATION IS _____ CALENDAR DAYS.

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

HDR

HDR Architecture, Inc.

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE ENGINEERING INTERIOR DESIGN DESIGN/BUILD

ASTORINO

227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title: Sample CPM Network

Approved: Project Director

Project Title: VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.

Location: VAPHS UNIVERSITY DRIVE

Date: 00/00/00

Checked

Drawn

Project Number: 646CA2500R

Building Number: 30

Drawing Number: GS0-010

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978