



DEPARTMENT OF VETERANS AFFAIRS 1601 KIRKWOOD HIGHWAY WILMINGTON, DELAWARE, 19805

BUILDING 5 RENOVATION

JUNE 15, 2012

BID ITEMS

BASE BID - ALL WORK

DEDUCTIVE ALTERNATE #1 - SAME AS BASE BID EXCEPT DELETE ALL WORK RELATED TO THE PANIC ALARMS, CARD READERS, SECURITY CAMERAS AND NURSE CALL SYSTEM. CONTRACTOR SHALL PROVIDE ROUGH IN, PULL BOXES AND CONDUIT ONLY FOR VA INSTALLED SYSTEMS.

DEDUCTIVE ALTERNATE #2 - SAME AS DEDUCTIVE ALTERNATE #1 EXCEPT DELETE ALL WORK RELATED TO THE PAVILLION AND DECORATIVE ALUMINUM FRAMING AT THE VESTIBULE.

DEDUCTIVE ALTERNATE #3 - SAME AS DEDUCTIVE ALTERNATE #2 EXCEPT DELETE ALL WORK RELATED TO SPECIAL LIGHTING CONTROLS AND THE OPERABLE PARTITION IN TRAINING ROOM 119. (NOT INCLUDING THE OVERHEAD SUPPORT AND ELECTRICAL ROUGH-IN)

DEDUCTIVE ALTERNATE #4 - SAME AS DEDUCTIVE ALTERNATE #3 EXCEPT DELETE ALL WORK RELATED TO THE PATIENT LIFT SYSTEM IN ROOM 122 AND THE INTERIOR SIGNAGE.

DEDUCTIVE ALTERNATE #5 - SAME AS DEDUCTIVE ALTERNATE #4 EXCEPT DELETE ALL WORK RELATED TO THE REPLACEMENT OF STEAM LINES FROM BUILDING 1 TO BUILDING 5.

Approved by Director:	Date:
Approved by Associate Director:	Date:
Approved by Assoc. Dir. Pat. Care:	Date:
Approved by Chief of Staff:	Date:
Approved by Chief of Police:	Date:
Approved by Safety Officer:	Date:
Approved by Chief of Education:	Date:
Approved by Chief Bio-Med Engr.:	Date:
Approved by Chief M&O Engineer:	Date:

Approved by Chief Engineer:	Date:
Approved by Woman Vet. Prog. Mgr.:	Date:
Approved by GEM's Coordinator:	Date:
Approved by Chief Info. Officer:	Date:
Approved by Interior Designer:	Date:
Approved by Infection Control Nurse:	Date:
Approved by Energy Manager:	Date:
Approved by ISD:	Date:
Approved by Facility Planner:	Date:

Additions:	Date:
Revisions:	

BURDETTE KOEHLER MURPHY & ASSOCIATES, INC.
MECHANICAL / ELECTRICAL CONSULTING ENGINEERING
1423 CLARKVIEW ROAD, SUITE 500
BALTIMORE, MARYLAND 21209
410.323.0600 - FAX 410.377.2543

RICKERT ENGINEERING, INC.
STRUCTURAL ENGINEER
8813 WALTHAM WOODS RD., SUITE 310
BALTIMORE, MARYLAND 21234
410.663.5110 - FAX 410.663.5114

BUILDING COST CONSULTANTS
COST ESTIMATING
12917 - 30TH AVENUE
PLATTSMOUTH, NEBRASKA 68048
402.298.8260 - FAX 402.298.8290

CENTURY ENGINEERING, INC.
CIVIL ENGINEER
10710 DALROY ROAD
HUNT VALLEY, MARYLAND 21031
443.589.2400 - FAX 443.589.2401

Seal:

POLT DESIGN GROUP
ARCHITECTURE PLANNING ENGINEERING
1301 Enterprise Court, Suite 103-C 410.803.2141
Bel Air, Maryland 21014-1847 fax 410.838.1603
www.polt-design.com

Drawing Scale:	Drawing Title: COVER SHEET
Drawing Start Date:	Approved: Associate Director for Operations:
Drawing Finish Date:	Approved: Chief, Facilities Engineer:
Drawing Approved:	Approved: Director, Medical Center:

Project Title: BUILDING 5 RENOVATION	Date: 6-15-2012
Building No: 5	Checked: CAJ
Drawn: BMH/BDA	Drawing No: CS
Location: VAMHCS MEDICAL CENTER WILMINGTON, DELAWARE	Dwg. 1 Of 67

INDEX OF DRAWINGS

DWG NO.	DWG	DRAWING NAME
CS	1	COVER SHEET
L-1	2	EXISTING CONDITIONS
L-2	3	DEMOLITION PLAN
L-3	4	SITE LAYOUT AND UTILITY PLAN
L-4	5	GRADING PLAN
L-5	6	SITE NOTES AND DETAILS
L-6	7	EROSION AND SEDIMENT CONTROL PLAN
L-7	8	EROSION AND SEDIMENT CONTROL DETAILS
L-8	9	EROSION AND SEDIMENT CONTROL DETAILS
LS-1	10	FIRST FLOOR LIFE SAFETY PLAN
LS-2	11	BASEMENT LIFE SAFETY PLAN
A-1	12	FIRST FLOOR PLAN - DEMOLITION
A-2	13	FIRST FLOOR PLAN - NEW WORK
A-2a	14	BASEMENT FLOOR PLAN - DEMOLITION AND NEW WORK
A-3	15	FIRST FLOOR REFLECTED CEILING PLAN - NEW WORK
A-4	16	ROOF PLAN - DEMOLITION
A-4a	17	ROOF PLAN - NEW WORK
A-5	18	BUILDING ELEVATIONS & WALL SECTIONS
A-6	19	NOTES, SCHEDULES AND DETAILS
A-7	20	NOTES, SCHEDULES AND DETAILS
A-8	21	WALL SECTIONS, BUILDING SECTIONS AND PLAN DETAILS PLANS
S-1	22	SECTIONS AND GENERAL NOTES
S-2	23	SECTIONS AND GENERAL NOTES
S-3	24	DETAILS AND SECTIONS
D-1	25	STEAM AND CONDENSATE GENERAL NOTES
D-2	26	PLAN OF PROJECT AREA
D-3	27	TRENCH PLAN AND PROFILE
D-4	28	SECTIONS AND NOTES
D-5	29	SECTIONS, DETAILS AND NOTES
D-6	30	SECTIONS, DETAILS AND NOTES
D-7	31	SECTIONS, DETAILS AND NOTES
M0.01	32	MECHANICAL LEGEND, GENERAL NOTES AND ABBREVIATIONS
M1.01	33	FIRST FLOOR PLAN - HVAC - DEMOLITION
M1.02	34	BASEMENT PLAN - HVAC - DEMOLITION
M2.01	35	FIRST FLOOR PLAN - PLUMBING AND FIRE PROTECTION - DEMOLITION
M2.02	36	BASEMENT PLAN - PLUMBING AND FIRE PROTECTION - DEMOLITION
M3.01	37	FIRST FLOOR PLAN - DUCTWORK NEW WORK
M4.01	38	FIRST FLOOR PLAN - PIPING NEW WORK
M4.02	39	BASEMENT PLAN - PIPING NEW WORK
M5.01	40	FIRST FLOOR PLAN - PLUMBING AND FIRE PROTECTION - NEW WORK
M5.02	41	BASMENT PLAN - PLUMBING AND FIRE PROTECTION - NEW WORK
M6.01	42	MECHANICAL DETAILS
M6.02	43	MECHANICAL DETAILS
M6.03	44	MECHANICAL DETAILS
M6.04	45	MECHANICAL CONTROL SEQUENCES
M7.01	46	MECHANICAL SCHEDULES
E0.01	47	ELECTRICAL LEGEND, ABBREVIATIONS, AND FIXTURE SCHEDULE
E1.01	48	BASEMENT PLAN ELECTRICAL DEMOLITION
E1.02	49	FIRST FLOOR PLAN ELECTRICAL DEMOLITION
E2.01	50	BASEMENT PLAN ELECTRICAL NEW WORK
E2.02	51	FIRST FLOOR PLAN POWER NEW WORK
E3.01	52	FIRST FLOOR PLAN LIGHTING NEW WORK
E4.01	53	ELECTRICAL SINGLE LINES
E5.01	54	ELECTRICAL PANELS SCHEDULES
T-001	55	TECHNOLOGY AND SECURITY LEGEND
T-002	56	SITE PLAN - TECHNOLOGY
T-101	57	BASEMENT & CRAWL SPACE FLOOR PLAN DEMOLITION
T-102	58	FIRST FLOOR PLAN TECHNOLOGY AND SECURITY - DEMOLITION
T-201	59	BASEMENT FLOOR PLAN TECHNOLOGY NEW WORK
T-202	60	FIRST FLOOR PLAN TECHNOLOGY NEW WORK
T-203	61	BASEMENT FLOOR PLAN SECURITY NEW WORK
T-204	62	FIRST FLOOR PLAN SECURITY NEW WORK
T-301	63	TELECOM RISER
T-401	64	TELECOM DETAILS
T-402	65	TELECOM DETAILS
T-403	66	TELECOM DETAILS
T-501	67	TELECOM NOTES

Infection Control Risk Mitigation Recommendations Matrix of Precautions for Construction and Renovation

Type of Construction / Project Activity Table

Work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies

Includes, but is not limited to:

TYPE C

- sanding of walls for painting or wall covering
- removal of floor coverings, ceiling tiles and casework
- new wall construction
- minor duct work or electrical work above ceilings
- major cabling activities
- any activity which cannot be completed within a single work shift

Patient Risk Group Table

Group 1 Low Risk	Group 2 Medium Risk	Group 3 High Risk	Group 4 Highest Risk
- Office areas (non-clinical)	- Cardiology - Echocardiology - Endoscopy - GI - Physical Therapy - Radiology/MRI - Nuclear Medicine - Respiratory Care (except bronchoscopy area) - Laboratories - Cafeteria - Outpatient areas-dinica and offices (exception: transplant and oncology)	- Emergency Room - Post Anesthesia - Care Units - Labor and Delivery - Pediatrics - Admission/Discharge area - Laboratories - Pharmacy - Inpatient units (not otherwise specified) at all A&B locations	- All Operating Rooms including Labor and Delivery - Anesthesia and Pump areas - Central Equipment/Sterile Supply - Cardiac Catheterization and Angiography Areas - Interventional Radiology - Radiation Oncology - All Intensive Care Units - Neonatal Nurseries, including NICU - Dialysis Unit - Oncology - inpatient & outpatient - Transplant - inpatient & outpatient - Pharmacy Administration - Negative Pressure Isolation Rooms/areas (including bronchoscopy area)

Infection Control Matrix - Class of Precautions: Construction Project by Patient Risk

Patient Risk Group	TYPE A	TYPE B	TYPE C	TYPE D
LOW Risk Group 1	I	II	II	III/IV
MEDIUM Risk Group 2	I	II	III	IV
HIGH Risk Group 3	I	III	III/IV	IV
HIGHEST Risk Group 4	III	III/IV	III/IV	IV

Note: Infection Control approval will be required when the Construction Activity and Risk Level indicate that [Class III] or [Class IV] control procedures are necessary.

It is the Contractor's Responsibility to provide the following Infection Control Precautions depending upon the Area Class Designation

CLASS	During Construction Project	Upon Completion of Project
CLASS II	<ol style="list-style-type: none"> Includes all activities required by Class I Provide active means to prevent airborne dust from dispersing into atmosphere. Water mist work surfaces to control dust while cutting. Seal unused doors with duct tape. Block off and seal air vents. Replace adhesive walk-off mats at entrance and exit of work area. Replace used mats in accordance with manufacturer's recommendations. Remove or isolate HVAC system in areas where work is being done to prevent contamination of duct system. 	<ol style="list-style-type: none"> Wipe work surfaces with disinfectant. Contain construction waste before transport in tightly covered containers. Wet mop and/or vacuum work areas with HEPA filtered vacuum before leaving work areas. Remove isolation of HVAC system in areas where work is being performed.

ICRA RATING - 0

FULLY SPRINKLERED
CONTRACT DOCUMENTS SUBMISSION

