



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

# Request for Quotation

RFO NUMBER
DEFK10022

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
BUYER 32 304-558-2544

RFQ COPY

TYPE NAME/ADDRESS

Danhill Construction Company  
PO Box 685  
Gauley Bridge, WV 25085

DIV ENGINEERING & FACILITIES  
CAMP DAWSON ARMY TRAINING SITE  
240 ARMY ROAD

KINGWOOD, WV  
26537-1077 304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
07/01/2010				

BID OPENING DATE: 08/12/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		968-20		
BUILDING CONSTRUCTION						
THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA ARMY NATIONAL GUARDS' DIVISION OF ENGINEERING & FACILITIES, IS SOLICITING BIDS FROM QUALIFIED VENDORS TO PROVIDE ALL LABOR AND MATERIALS TO CONSTRUCT SUPPORT FACILITIES FOR THE VOLKSTONE LIVE FIRE SHOOT HOUSE INCLUSIVE OF CLASSROOMS, STORAGE ROOMS RESTROOMS, ROOFING, AND UTILITIES AT CAMP DAWSON IN KINGWOOD, WV (PRESTON CO.), PER THE FOLLOWING BID REQUIREMENTS, TERMS & CONDITIONS, THE BID SCHEDULE, AND THE PLANS AND SPECIFICATIONS AS PREPARED BY GRW ENGINEERS, INC.						
PLANS & SPECIFICATIONS ARE AVAILABLE FOR A NON-REFUNDABLE FEE OF \$125.00 FROM: CHARLESTON BLUEPRINT 1203 VIRGINIA STREET EAST CHARLESTON, WV 25301 PH) 304.343.1063 FX) 304.343.1095 WWW.CHARLESTONBLUEPRINT.NET						
QUESTIONS DURING THE BID ADVERTISEMENT PERIOD ARE TO BE SUBMITTED IN WRITING TO THE BUYER ASSIGNED TO THIS PROJECT. DEADLINE FOR QUESTION SUBMISSION IS THURSDAY, JULY 22, 2010 AT 4:00 PM. ALL VALID QUESTIONS WILL BE ANSWERED VIA AN OFFICIAL ADDENDUM ISSUED BY THE PURCHASING DIVISION. QUESTIONS ARE TO BE DIRECTED TO:  CHUCK BOWMAN, BUYER SUPERVISOR						

RECEIVED

200 AUG 31 P 1:21

FOR THE PURCHASING DIVISION  
STATE OF WV

SIGNATURE		SEE REVERSE SIDE FOR TERMS AND CONDITIONS		TELEPHONE		DATE	
Robert D. Hill				304-632-1600		31 Aug 2010	
TITLE		FEIN		ADDRESS CHANGES TO BE NOTED ABOVE			
Pres		55-0648251					

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

## GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
  2. The State may accept or reject in part, or in whole, any bid.
  3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
  4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
  5. Payment may only be made after the delivery and acceptance of goods or services.
  6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
  7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
  8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
  9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
  10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
  11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
  12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
  13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at [www.state.wv.us/admin/purchase/vrc/hipaa.htm](http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
  14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
  15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
  16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.
- I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

### INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



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<p>WV PURCHASING DIVISION 2019 WASHINGTON STREET EAST CHARLESTON, WV 23505 FX) 304.558.4115 CHARLES.A.BOWMANJR@WV.GOV</p> <p>MANDATORY PRE-BID</p> <p>A MANDATORY PRE-BID WILL BE HELD ON 07/20/2010 AT 1:00 PM AT THE KINGWOOD ARMED FORCES RESERVE CENTER AT 12957 RIVER ROAD (AKA RT. 72) KINGWOOD, WV 26537.</p> <p>INTERESTED PARTIES ARE REQUIRED TO ATTEND THIS MEETING. FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT IN DISQUALIFICATION OF THE BID. NO ONE PERSON MAY REPRESENT MORE THAN ONE BIDDER.</p> <p>AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIAL BIDDERS TO COMPLETE. THIS WILL SERVE AS THE OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATORY PRE-BID. FAILURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER IS RESPONSIBLE FOR ENSURING THEY HAVE COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE SHEET. THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER-S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. IN ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER.</p> <p>ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL</p>						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
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PORTION OF THE PRE-BID WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART OF THE PRE-BID WILL NOT BE PERMITTED TO SIGN THE ATTENDANCE SHEET.						
EXHIBIT 5						
WEST VIRGINIA CODE 21-1D-5 PROVIDES THAT: ANY SOLICITATION FOR A PUBLIC IMPROVEMENT CONSTRUCTION CONTRACT REQUIRES EACH VENDOR THAT SUBMITS A BID FOR THE WORK TO SUBMIT AT THE SAME TIME AN AFFIDAVIT OF COMPLIANCE WITH THE BID. THE ENCLOSED DRUG-FREE WORKPLACE AFFIDAVIT MUST BE SIGNED AND SUBMITTED WITH THE BID AS EVIDENCE OF THE VENDOR'S COMPLIANCE WITH THE PROVISIONS OF ARTICLE 1D, CHAPTER 21 OF THE WEST VIRGINIA CODE. FAILURE TO SUBMIT THE SIGNED DRUG-FREE WORKPLACE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF SUCH BID.						
NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN 270 CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED. UNLESS OTHERWISE SPECIFIED, THE FULLY EXECUTED PURCHASE ORDER WILL BE CONSIDERED NOTICE TO PROCEED.						
CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE MATERIALS OR WORKMANSHIP SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HERE IN.						
WAGE RATES: THE CONTRACTOR OR SUBCONTRACTOR SHALL PAY THE HIGHER OF THE U.S. DEPARTMENT OF LABOR MINIMUM WAGE RATES AS ESTABLISHED FOR PRESTON COUNTY, PURSUANT TO WEST VIRGINIA CODE 21-5A, ET, SEQ. (PREVAILING						

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<p>WAGE RATES APPLY TO THIS PROJECT)</p> <p>ARBITRATION: ANY REFERENCES MADE TO ARBITRATION OR INTEREST FOR PAYMENTS DUE (EXCEPT FOR ANY INTEREST REQUIRED BY STATE LAW) CONTAINED IN THIS CONTRACT OR IN ANY AMERICAN INSTITUTE OF ARCHITECTS DOCUMENTS PERTAINING TO THIS CONTRACT ARE HEREBY DELETED.</p> <p>WORKERS' COMPENSATION: VENDOR IS REQUIRED TO PROVIDE A CERTIFICATE FROM WORKERS' COMPENSATION IF SUCCESSFUL.</p> <p>ALL OF THE ITEMS CHECKED BELOW WILL BE A REQUIREMENT OF THIS CONTRACT:</p> <p>(XX) INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF COMMERCIAL GENERAL LIABILITY INSURANCE PRIOR TO ISSUANCE OF CONTRACT. UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS, THE MINIMUM AMOUNT OF INSURANCE COVERAGE REQUIRED IS \$250,000.</p> <p>(XX) BUILDERS RISK INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF BUILDERS RISK - ALL RISK INSURANCE IN AN AMOUNT EQUAL TO 100% OF THE AMOUNT OF THE CONTRACT.</p> <p>(XX) BONDS: FIVE PERCENT (5%) OF THE TOTAL AMOUNT OF THE BID PAYABLE TO THE STATE OF WEST VIRGINIA, SHALL BE SUBMITTED WITH EACH BID AS A BID BOND. THE SUCCESSFUL BIDDER SHALL ALSO FURNISH A PERFORMANCE BOND AND LABOR/MATERIAL BOND FOR 100% OF THE AMOUNT OF THE CONTRACT. BONDS MAY BE PROVIDED IN THE FORM OF A CERTIFIED CHECK IRREVOCABLE LETTER OF CREDIT, OR BOND FURNISHED BY A SOLVENT SURETY COMPANY AUTHORIZED TO DO BUSINESS IN THE STATE OF WEST VIRGINIA. A LETTER OF CREDIT SUBMITTED IN LIEU OF A BOND WILL ONLY BE ALLOWED FOR PROJECTS UNDER \$100,000. PERSONAL OR BUSINESS CHECKS ARE NOT ACCEPCTABLE IN LIEU OF THE 5% BID BOND, PERFORMANCE</p> <p>SEE REVERSE SIDE FOR TERMS AND CONDITIONS</p>						
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<p>BOND, OR LABOR AND MATERIAL BOND.</p> <p>(XX) MAINTENANCE BOND: A TWO (2) YEAR MAINTENANCE BOND COVERING THE ROOFING SYSTEM WILL BE A REQUIREMENT OF THE SUCCESSFUL VENDOR.</p> <p>REV. 11/00</p> <p>EXHIBIT 7</p> <p>DOMESTIC ALUMINUM, GLASS &amp; STEEL IN PUBLIC WORKS PROJECTS</p> <p>IN ACCORDANCE WITH WEST VIRGINIA CODE 5-19-1 ET., SEQ., EVERY CONTRACT FOR CONSTRUCTION, RECONSTRUCTION, ALTERATION, REPAIR, IMPROVEMENT OR MAINTENANCE OF PUBLIC WORKS, WHERE THE COST IS MORE THAN \$50,000 AND, IN THE CASE OF STEEL ONLY, WHERE THE COST OF STEEL IS MORE THAN \$50,000 OR WHERE MORE THAN 10,000 POUNDS OF STEEL ARE REQUIRED, THE STATE WILL ACCEPT ONLY ALUMINUM GLASS, OR STEEL PRODUCTS PRODUCED IN THE UNITED STATES. IN ADDITION, ITEMS OF MACHINERY OR EQUIPMENT PURCHASED FOR USE AT THE SITE OF PUBLIC WORKS SHALL BE MADE OF DOMESTIC ALUMINUM, GLASS OR STEEL, UNLESS THE COST OF THE PRODUCT IS LESS THAN \$50,000 OR LESS THAN 10,000 POUNDS OF STEEL ARE USED IN PUBLIC WORKS PROJECTS.</p> <p>FOREIGN MADE ALUMINUM, GLASS OR STEEL PRODUCTS MAY BE ACCEPTED ONLY IF THE COST OF DOMESTIC PRODUCTS IS FOUND TO BE UNREASONABLE. SUCH COST IS UNREASONABLE IF IT IS 20% OR MORE HIGHER THAN THE BID PRICE FOR FOREIGN MADE PRODUCTS. IF THE DOMESTIC ALUMINUM, GLASS OR STEEL PRODUCTS TO BE SUPPLIED OR PRODUCED IN A "SUBSTANTIAL LABOR SURPLUS AREA", AS DEFINED BY THE UNITED STATES DEPARTMENT OF LABOR, FOREIGN PRODUCTS MAY BE SUPPLIED</p>						
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<p>ONLY IF DOMESTIC PRODUCTS ARE 30% OR MORE HIGHER IN PRICE THAN THE FOREIGN MADE PRODUCTS.</p> <p>IF, PRIOR TO THE AWARD OF A CONTRACT UNDER THE ABOVE PROVISIONS, THE SPENDING OFFICER OF THE SPENDING UNIT DETERMINES THAT THERE EXISTS A BID FOR LIKE FOREIGN ALUMINUM, GLASS OR STEEL THAT IS REASONABLE AND LOWER THAN THE LOWEST BID DOMESTIC PRODUCTS, THE SPENDING OFFICE MAY REQUEST, IN WRITING, A REEVALUATION AND REDUCTION IN THE LOWEST BID FOR SUCH DOMESTIC PRODUCTS. ALL VENDORS MUST INDICATE IN THEIR BID IF THEY ARE SUPPLYING FOREIGN ALUMINUM, GLASS OR STEEL.</p> <p>REV. 3/88</p> <p>PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS</p> <p>1. EXCEPT WHEN AUTHORIZED BY THE DIRECTOR OF THE PURCHASING DIVISION PURSUANT TO SUBSECTION 2 BELOW, NO CONTRACTOR MAY USE OR SUPPLY STEEL PRODUCTS FOR A STATE CONTRACT PROJECT OTHER THAN THOSE STEEL PRODUCTS MADE IN THE UNITED STATES. AS USED USED IN THIS CONTRACT,</p> <p>A. "STATE CONTRACT PROJECT" MEANS ANY ERECTION OR CONSTRUCTION OF, OR ANY ADDITION TO, ALTERATION OF OR OTHER IMPROVEMENT TO ANY BUILDING OR STRUCTURE, INCLUDING, BUT NOT LIMITED TO, ROADS OR HIGHWAYS, OR THE INSTALLATION OF ANY HEATING OR COOLING OR VENTILATING PLANTS OR OTHER EQUIPMENT, OR THE SUPPLY OF AND MATERIALS FOR SUCH PROJECTS, PURSUANT TO A CONTRACT WITH THE STATE OF WEST VIRGINIA FOR WHICH BIDS WERE SOLICITED ON OR AFTER JUNE 6, 2001.</p> <p>B. "STEEL PRODUCTS" MEANS PRODUCTS ROLLED, FORMED</p>						
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				SHAPED, DRAWN, EXTRUDED, FORGED, CAST, FABRICATED OR OTHERWISE SIMILARLY PROCESSED, OR PROCESSED BY A COMBINATION OF TWO OR MORE OF SUCH OPERATIONS, FROM STEEL MADE BY THE OPEN HEARTH, BASIC OXYGEN, ELECTRIC FURNACE, BESSEMER OR OTHER STEEL MAKING PROCESS.		
				C. "UNITED STATES" MEANS THE UNITED STATES OF AMERICA AND INCLUDES ALL TERRITORY, CONTINENTAL OR INSULAR, SUBJECT TO THE JURISDICTION OF THE UNITED STATES.		
2.				THE DIRECTOR OF THE PURCHASING DIVISION MAY, IN WRITING, AUTHORIZE THE USE OF FOREIGN STEEL PRODUCTS IF:		
				A. THE COST FOR EACH CONTRACT ITEM USED DOES NOT EXCEED ONE TENTH OF ONE PERCENT (.1%) OF THE TOTAL CONTRACT COST OR TWO THOUSAND FIVE HUNDRED DOLLARS (2,500.00), WHICHEVER IS GREATER. FOR THE PURPOSES OF THIS SECTION, THE COST IS THE VALUE OF THE STEEL PRODUCT AS DELIVERED TO THE PROJECT OR,		
				B. THE DIRECTOR OF THE PURCHASING DIVISION DETERMINES THAT SPECIFIED STEEL MATERIALS ARE NOT PRODUCED IN THE UNITED STATES IN SUFFICIENT QUANTITY OR OTHERWISE ARE NOT REASONABLY AVAILABLE TO MEET CONTRACT REQUIREMENTS.		
3.				A CONTRACTOR WHO USES STEEL PRODUCTS IN VIOLATION OF THIS SECTION MAY BE SUBJECT TO CIVIL PENALTIES PURSUANT TO WV CODE SECTION 5A-3-56.		
REV. 10/01/01						
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EXHIBIT 9						
NOTICE FOR ISSUANCE & ACKNOWLEDGEMENT OF CONSTRUCTION PROJECT ADDENDA						
THE ARCHITECT/ENGINEER AND/OR AGENCY SHALL BE REQUIRED TO ABIDE BY THE FOLLOWING SCHEDULE IN ISSUING CONSTRUCTION PROJECT ADDENDA FOR STATE AGENCIES:						
(1) THE ARCHITECT/ENGINEER SHALL PREPARE THE ADDENDUM AND A LIST OF ALL PARTIES THAT HAVE PROCURED DRAWINGS AND SPECIFICATIONS FOR THE PROJECT. THE ADDENDUM AND LIST SHALL BE FORWARDED TO THE BUYER IN THE STATE PURCHASING DIVISION. THE ARCHITECT/ENGINEER SHALL ALSO SEND A COPY OF THE ADDENDUM TO THE STATE AGENCY FOR WHICH THE CONTRACT IS ISSUED.						
(2) THE BUYER SHALL SEND THE ADDENDUM TO ALL INTERESTED PARTIES AND, IF NECESSARY, EXTEND THE BID OPENING DATE. ANY ADDENDUM SHOULD BE RECEIVED BY THE BUYER WITHIN FOURTEEN (14) DAYS PRIOR TO THE BID OPENING DATE.						
(3) ALL ADDENDA SHOULD BE FORMALLY ACKNOWLEDGED BY ALL BIDDERS AND SUBMITTED TO THE STATE PURCHASING DIVISION. THE SAME RULES AND REGULATIONS THAT APPLY TO THE ORIGINAL BIDDING DOCUMENT SHALL ALSO APPLY TO AN ADDENDUM DOCUMENT. THE ONLY EXCEPTION MAY BE FOR AN ADDENDUM THAT IS ISSUED FOR THE SOLE PURPOSE OF CHANGING A BID OPENING TIME AND/OR DATE.						
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BUYER 32

304-558-2544

RFQ COPY

Danhill Construction Company  
PO Box 685  
Gauley Bridge, WV 25085

DIV ENGINEERING & FACILITIES  
CAMP DAWSON ARMY TRAINING SITE  
240 ARMY ROAD

KINGWOOD, WV

26537-1077

304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
07/01/2010				
BID OPENING DATE: 08/12/2010		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
EXHIBIT 10						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NOS.:						
NO. 1				8/02/2010		
NO. 2				8/12/2010		
NO. 3				8/16/2010		
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE BIDS.						
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.						
Robert D. Hill				SIGNATURE		
Danhill Const. Co.				COMPANY		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	Robert D. Hill	TELEPHONE	304-632-1600	DATE	8-31-10
TITLE	Pres	FEIN	55-0648251	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

## Request for Quotation

RFQ NUMBER

DEFK10022

PAGE

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ADDRESS CORRESPONDENCE TO ATTENTION OF

BUYER 32  
304-558-2544

RFQ COPY

TYPE NAME/ADDRESS HERE

Danhill Construction Company  
PO Box 685  
Gauley Bridge, WV 25085

DIV ENGINEERING & FACILITIES  
CAMP DAWSON ARMY TRAINING SITE  
240 ARMY ROAD

KINGWOOD, WV  
26537-1077 304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
07/01/2010				

BID OPENING DATE:

08/12/2010

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
.....31 Aug. 2010.....DATE						
REV. 11/96						
CONTRACTORS LICENSE						
WEST VIRGINIA STATE CODE 21-11-2 REQUIRES THAT ALL PERSONS DESIRING TO PERFORM CONTRACTING WORK IN THIS STATE MUST BE LICENSED. THE WEST VIRGINIA CONTRACTORS LICENSING BOARD IS EMPOWERED TO ISSUE THE CONTRACTORS LICENSE. APPLICATIONS FOR A CONTRACTORS LICENSE MAY BE MADE BY CONTACTING THE WEST VIRGINIA DIVISION OF LABOR CAPITOL COMPLEX, BUILDING 3, ROOM 319, CHARLESTON, WV 25305. TELEPHONE: (304) 558-7890.						
WEST VIRGINIA STATE CODE 21-11-11 REQUIRES ANY PROSPECTIVE BIDDER TO INCLUDE THE CONTRACTORS LICENSE NUMBER ON THEIR BID.						
BIDDER TO COMPLETE:						
CONTRACTORS NAME: ... Danhill Const. Co. ....						
CONTRACTORS LICENSE NO.: ... WV 001196 .....						
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH A COPY OF THEIR CONTRACTORS LICENSE PRIOR TO ISSUANCE OF A PURCHASE ORDER/CONTRACT						
APPLICABLE LAW						
THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULES AND REGULATIONS, AND THE INFORMATION PROVIDED IN THE "REQUEST FOR QUOTATION" ISSUED BY THE PURCHASING DIVISION IS THE SOLE AUTHORITY GOVERNING THIS						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	Robert D. Hill	TELEPHONE	304-632-1600	DATE	Aug 31, 2010
TITLE	Pres	FEIN	55-0648251	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER
DEFK10022

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ADDRESS CORRESPONDENCE TO ATTENTION OF
BUYER 32 304-558-2544

RFQ COPY  
TYPE NAME/ADDRESS HERE

Danhill Construction Company  
PO Box 685  
Gauley Bridge, WV 25085

DIV ENGINEERING & FACILITIES  
CAMP DAWSON ARMY TRAINING SITE  
240 ARMY ROAD

KINGWOOD, WV  
26537-1077 304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
07/01/2010				

BID OPENING DATE:

08/12/2010

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
PROCUREMENT.						
ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR ANY OTHER SOURCE, VERBAL OR WRITTEN, WHICH CONTRADICTS OR ALTERS THE INFORMATION PROVIDED FROM THE SOURCES AS DESCRIBED IN THE ABOVE PARAGRAPH IS VOID AND OF NO EFFECT.						
BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.						
REV. 5/2009						
NOTICE						
A SIGNED BID MUST BE SUBMITTED TO:						
DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130						
THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:						
SEALED BID						
BUYER: 32						
REQ. NO.: DEFK10022						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER

DEFK10022

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ADDRESS CORRESPONDENCE TO ATTENTION OF

BUYER 32

304-558-2544

RFQ COPY

T

Danhill Construction Company  
PO Box 685  
Gauley Bridge, WV 25085

DIV ENGINEERING & FACILITIES  
CAMP DAWSON ARMY TRAINING SITE  
240 ARMY ROAD

KINGWOOD, WV

26537-1077

304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
07/01/2010				
BID OPENING DATE:	08/12/2010		BID OPENING TIME	01:30PM

LINE	QUANTITY	UOF	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING DATE: 08/12/2010						
BID OPENING TIME: 1:30 PM						
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
----- 304-632-1501 -----						
PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE:						
----- Dan Hill -----						
***** THIS IS THE END OF RFQ DEFK10022 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	Robert D. Hill	TELEPHONE	304-632-1600	DATE	8-31-2010
TITLE	Pres	FEIN	55-0648251	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**RFQ# DEFK10022****Proposal Form**

Live Fire Exercise Shoot House  
 Phase 2-LFSH Supporting Facilities  
 West Virginia Army National Guard, Volkstone Training Site  
 Camp Dawson, Kingwood, West Virginia

Submitted by Bidder: Danhill Construction Company

To The Owner: West Virginia Armory Board  
 Charleston, WV

The undersigned, hereinafter called the Bidder, being familiar with and understanding the Bidding Documents and also having examined the site and being familiar with all local conditions affecting the Project hereby proposes to furnish all labor, material, equipment, supplies and transportation, and to Perform all Work in accordance with the Bidding Documents prepared by GRW, Inc., dated 30 April 2010, for the stipulated sum broken out as follows:

**BASE BID:** Including all allowances.

One million  
One hundred forty Seven thousand dollars  
 .....\$ 1,147,000.00

**ADDITIVE BID ITEM #1 (ABI-1):**

Re-Roof Existing Warehouse Building

Four hundred eighty-five thousand Dollars  
 .....\$ 485,000.00

**ADDITIVE BID ITEM #2 (ABI-2):**

Expansion of Pre-Fabricated Live Fire Shoot House Facility

Three hundred twenty thousand dollars  
 .....\$ 320,000.00

**DEDUCTIVE BID ITEM #1 (DBI-1):**

500 Gallon Sewage Holding Tank, in lieu of Grinder Pump Station and Discharge Force Main

Twenty four thousand five hundred dollars  
 .....\$ (24,500.00)

## RFQ# DEFK10022

The Owner reserves the right to award the Bid as they determine may be in their best interest. Accurately, clearly and completely fill in all items or bid may be disqualified.

The Bidder certifies that this bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this bid with any other bidder or with any competitor. The undersigned agrees that the right is reserved by the Owner to reject any or all bids and to waive any informalities in bidding. It is agreed that this bid may not be withdrawn for at least ninety (90) days after the scheduled closing time for receipt of bids.

### TIME IS OF THE ESSENCE IN COMPLETION OF THIS WORK

If awarded the contract, I (we) will commence work within Five (5) calendar days after receipt of written Notice to proceed, and will substantially complete the work, ready for occupancy, no later than 270 calendar days from Notice To Proceed, subject to allowances made for delays in accordance with the Provisions of the Contract Documents, documented and verified.

For each day of delay in substantial completion of the work, the Contractor shall be liable for and pay to Owner, \$500.00 per Calendar Day thereafter as liquidated damages and the sum is not to be construed, in any sense, as a penalty.

Enclosed herewith is a bid security prepared in accordance with the Instructions to Bidders in the amount of five percent (5%) of the amount of the bid (being not less than 5% of the total of the Base Bid.) The successful bidder, upon his failure or refusal to execute and deliver all contract documents required, including bonds and insurance, within five (5) days after he has received notice of acceptance of his bid shall forfeit to Owner, as liquidated damages for such failure or refusal, bid security deposit with his bid. The undersigned has carefully examined the site, all conditions, all documents and has made due allowances for any contingencies. If award is made to us under this proposal, we will enter into a contract with the Owner to furnish all labor, materials, and equipment necessary to construct the project in strict accordance with the Drawings and Specifications, including all Addenda.

### ADDENDA ACKNOWLEDGEMENT

The undersigned hereby acknowledges receipt of the following Addenda and has taken information contained therein into full consideration in the formulation of this Bid. Fill in date of Addenda.

Addenda No.1 8/2/10 No.2 8/12/10 No.3 8/16/10 No.4 \_\_\_\_\_

Signature: Robert D. Hill Date: 8/31/2010

Failure to acknowledge receipt of each Addendum may be cause for rejection of Bid.

### UNIT PRICES

Unit price is an amount incorporated in the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, for a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

Each bidder shall enter in the space provided below, the price per unit of Work, he proposes to provide for each item of Work indicated in the Unit Price descriptions listed in 01270-Unit Prices. Upon award of the Bid the Contractor's Unit prices will be binding to the Contract and shall be utilized in determining additive or deductive modifications to the Contract Sum for that portion of the Work.

Failure to furnish all information requested may be cause for rejection of the Bid.



**RFQ# DEFK10022****UNIT PRICES****ITEM****PRICE**

1. Reinforced Concrete Slab including base  
(4000 psi) per square foot.

\$ 15.00 /SF

**PROPOSED SUBCONTRACTORS**

Each bidder shall enter, in the spaces provided, the names of major subcontractors he proposes to employ and the classification or type of work that they will perform. Upon award of contract, the named subcontractors shall be employed to perform the work, unless changes are specifically authorized by the Contracting Officer.

A major subcontractor is defined as a subcontractor whose subcontract constitutes approximately three (3) per cent or more of the total contract amount.

Failure to furnish all information requested may be cause for rejection of the Bid.

**LIST OF SUBCONTRACTORS****SUBCONTRACTOR / ADDRESS****WORK DESCRIPTION / TOTAL VALUE**

<u>Orange Const.</u>	<u>Exco 51,065</u>
<u>Nazam Plumbing</u>	<u>Plumbing 23,750</u>
<u>Central Heating</u>	<u>HVAC 98,500</u>
<u>AJ Vator</u>	<u>Painting 28,886</u>
<u>TKS Roofing</u>	<u>Roofing 409,000</u>
<u>JH Drywall</u>	<u>Interior Partit. 90,100</u>
<u>Range Systems</u>	<u>Shed House 251,280</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

**RFQ# DEFK10022****RESPECTFULLY SUBMITTED:**Signature Robert D. Hill  
(Signature in Ink)Date: 31-Aug-2010Name Robert D. Hill  
(Please Type or Print)Title President

Corporate Seal if Applicable

Firm Name Danhill Const. Co.Telephone No 304-632-1600Firm Address P.O. Box 685Fax Number 304-632-1501Gauley Bridge, W Va  
25085WV Contractor's No WV001196WV Registration No 709053330

END OF PROPOSAL FORM



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER
DEFK10022

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
BUYER 32 304-558-2544

\*709053330 304-632-1558  
DANHILL CONSTRUCTION COMPANY  
PO BOX 685  
GAULEY BRIDGE WV 25085

DIV ENGINEERING & FACILITIES  
CAMP DAWSON ARMY TRAINING SITE  
240 ARMY ROAD  
KINGWOOD, WV  
26537-1077 304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/02/2010				

BID OPENING DATE: 08/17/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 1 *****						
ADDENDUM ISSUED FOR THE VOLKSTONE LIVE FIRE SHOOT HOUSE CONSTRUCTION PROJECT AT CAMP DAWSON, KINGWOOD, WV, TO DISTRIBUTE THE PRE-BID SIGN-IN SHEETS, THE PRE-BID MEETING MINUTES, THE CLARIFICATIONS, Q/A, REVISED DRAWINGS, AND AMENDED SPECIFICATIONS AS A RESULT OF THE MANDATORY ON-SITE PRE-BID MEETING ON 07/22/2010.						
BID OPENING DATE AND TIME HAVE BEEN EXTENDED FROM 08/12/2010 TO 08/17/2010 AT 1:30 PM.						
***** NO OTHER CHANGES *****						
0001	1	JB		968-20		
BUILDING CONSTRUCTION						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	Robert D. Hill	TELEPHONE	304-632-1600	DATE	Aug 31, 2010
TITLE	Pres	FEIN	55-0648251	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

<b>TSC-WVARNG</b> <b>POST ENGINEERING</b>
--

Pre-Bid Meeting Agenda, Classroom 201 , Camp Dawson AFRC, Kingwood WV

---

The following constitutes a Pre-bid Meeting Agenda for DEFK10022, Phase II, Live Fire Shoot House

Date: 20 July 2010

Time: 1:00 PM

Location: AFRC, Camp Dawson, WV

**1. ADMINISTRATIVE:**

- a. The Pre-bid meeting for this contract is at 1300 hours, 20 July 2010, at Camp Dawson, WV.
- b. Mandatory pre-bid attendance - Sign-In
- c. Funding: Federally-funded, WVARNG-administrated project. Award of this Project is contingent upon availability of Funds.
- d. User: West Virginia Army National Guard
- e. Administrator: Camp Dawson Engineering, WVARNG

**2. INTRODUCTION:**

**POST ENGINEERING**

**a. TSC-WVARNG:**

- 1. 1001 Army Road  
Kingwood, WV 26537
- 2. LTC William Suver, Post Commander  
304-791-4457  
Email: [william.suver@wv.ngb.army.mil](mailto:william.suver@wv.ngb.army.mil)
- 3. 1LT Don Weaver, Post Engineer  
304-791-4333  
Email: [don.weaver@wv.ngb.army.mil](mailto:don.weaver@wv.ngb.army.mil)
- 4. SFC Harrison Cogar  
304-791-4161  
Email: [harrison.cogar@wv.ngb.army.mil](mailto:harrison.cogar@wv.ngb.army.mil)

5. SGT Mike Cochran  
 304-791-4161  
 Email: [michael.cochran6@wv.ngb.army.mil](mailto:michael.cochran6@wv.ngb.army.mil)

6. Mr. Chuck Bowman, Division of Purchasing  
 Email: [charles.a.bowmanjr@wv.gov](mailto:charles.a.bowmanjr@wv.gov)  
 (304) 558-2157 (office)  
 (304) 558-4115 (fax)

**b. DESIGNER OF RECORD:**

GRW Engineers, Inc., Lexington, KY

**3. BIDDING ISSUES**

**POST ENGINEERING**

- a. Questions must be submitted to Mr. Chuck Bowman, Division of Purchasing, email [charles.a.bowmanjr@wv.gov](mailto:charles.a.bowmanjr@wv.gov), 304-558-2157 (office) 304-558-4115 (fax) no later than close of business on 27 July 2010.
- b. Direct discussion is **not** authorized with the Designer of Record, the Facilities Engineer, or the Project Manager.
- c. Federal Prevailing Wage Rate Applies.
- d. Bid Opening is set for 12 August 2010 at 1:30 PM.
- e. Change Orders: The only changes authorized or reviewed by the Owner will be:
  1. Owner directed.
  2. Unforeseen site conditions.
  3. Errors and omissions.
- f. Government assumes no responsibility for any conclusions or interpretations made by the Contractor based on the information made available by the Government. Conflicts in drawings, clarifications, and/or lack of clarity shall be the responsibility of the Contractor after Bid Award. The Contractor is responsible to seek clarification prior to bidding if they believe there is a conflict or lack of clarity.
- g. Government assumes no responsibility for any understanding reached or representation made concerning conditions which can affect the work by any of its officers or agents before the execution of this contract, unless that understanding or representation is expressly stated in this contract. The solicitation and specification remain unchanged regardless of what is said at the pre-bid conference unless they are changed by formal amendment to the solicitation.
- h. Completed bid-bond and drug free workplace certificates will accompany the bid or such bid will be rejected.

#### 4. WORK HOURS/ SITE ACCESS-SECURITY

#### POST ENGINEERING

- a. The Contractor will have access to the site from 0600 to 1600 hrs, Monday to Friday. If work hours must be modified, these will be approved on a case-by-case via the Project Manager and the Designer of Record and Camp Dawson Operations (*Section 01010-2.06*)
- b. At the pre-construction meeting, submit a list of the Contractor's principal staff assignments, including the Project Manager and Superintendent. (*Section 01040-1.03*)
- c. Superintendence: In accordance with Contract documents, the Contractor must maintain full-time, active superintendent on the job. Duties of the superintendent will be identified at the first pre-construction meeting. (*Section 01040-1.04*)

#### 5. TEMPORARY FACILITIES/UTILITY USAGE

#### POST ENGINEERING

- a. Temporary Facilities
- b. Utility Usage

#### 6. UTILITY INTERRUPTIONS

#### POST ENGINEERING

- a. Required to give a 2-working day notification to Operations/Project Manager using the supplied standardized outage request form.
- b. Notifications must include the following information:
  - 1. Who
  - 2. What
  - 3. When
  - 4. Why
  - 5. Where
- c. Utility Interruptions can last no longer than six (6) hours without prior approval.
- d. The amount of time required for a utility interruption will be determined on a case-by-case basis and will be coordinated with Camp Dawson Operations and Post Engineering.

#### 7. CONTRACT DURATION / LIQUIDATED DAMAGES

#### POST ENGINEERING

- a. Liquidated Damages
  - 1. Duration of the contract is 270 days from the NTP.
  - 2. Liquidated damages are \$500 per calendar day.

**8. SAFETY****POST ENGINEERING**

- a. All construction activities will be in conjunction with OSHA, Safety and Health Requirements Manual (US Army Corps of Engineers). As noted, the Army safety and health standards mirror OSHA. All construction activities on site will be a hardhat area and marked as such.
- b. Access to the site will be restricted and controlled by the Contractor. A visitor's sign-in and hardhats to be made available for personnel visiting site.
- c. Temporary fueling operations: Any temporary fueling operation will be maintained in accordance with OSHA and WV Fire Marshall Standards to included secondary containment, fire extinguishers, and spill control.
- d. Cleanup required daily by each perspective sub and General Contractor: No open dumps of construction materials. Remove demolished materials, waste materials including trash and debris and legally dispose of them off Owner's property.

**9. SUPERVISION OF WORK****POST ENGINEERING**

Designer of Record will have the responsibility for the observation of Contractor's quality of work. The Designer of Record will provide recommendations for actions regarding progress payments, change orders, and acceptance of work.

**10. ASPECTS OF CONTRACT****POST ENGINEERING**

- a. Modification Procedures – Section 01035
- b. Project Management and Coordination – Section 01040
- c. Payment Procedures – Section 01027
- d. Meetings – Section 01200
- e. Submittals – Section 01300
- f. CPM Construction Scheduling – Section 01355
- g. Materials and Equipment – Section 01600
- h. Warranties – Section 01740

**11. SUBSTITUTIONS (SECTION 01631)****POST ENGINEERING**

- a. The Architect will consider requests for substitution if received within 60 days after commencement of the Work. Requests received more than 60 days after commencement of the Work may be considered or rejected at the discretion of the Architect.
- b. Substitution requests will only be considered when one or more of the following applies:
  - 1. Extensive revisions to the Contract Documents are not required.
  - 2. Proposed changes are in keeping with the intent of the Contract Documents.
  - 3. The request is timely, fully documented and properly submitted.



4. The specified product or method cannot be provided within the Contract Time. The Architect will not consider the request if the specified product cannot be provided as a result of failure to pursue the Work promptly.
  5. The request is related to an "or-equal" clause.
  6. A substantial advantage is offered the Owner, in terms of cost, time, energy conservation or other considerations of merit, after deducting offsetting responsibilities the Owner may be required to bear. Such additional responsibilities for the Owner may include additional expenses for redesign and evaluation services, increased cost of related construction, and other similar considerations.
  7. The specified product cannot receive approval by a governing authority, and the substitution can be approved.
  8. The Contractor's submittal and the Architect's review or approval of Shop Drawings, Product Data or Samples that relate to a substitute does not by itself constitute a final approval of the requested substitution, nor does it relieve the Contractor from fulfilling existing Contract Requirements. Final approval will be granted by the Owner and confirmed in the form of a Change Order.
- c. Approval of Material Submittals shall not relieve the Contractor from responsibility for any errors or omissions in such drawings, nor from responsibility for complying with the requirements of this contract, except with respect to variations described and approved in accordance as stated in (d) below.
- d. If shop drawings show variations from the contract requirements, the Contractor shall describe such variations in writing, separate from the submittals, at the time of submission. If the Contracting Officer shall issue an appropriate contract modification, except that, if the variation is minor or does not involve a change in price or in time of performance, a modification NEED not be issued.

## 12. SUMMARY OF WORK

## POST ENGINEERING

### a. Summary (*Section 01010-1.01*)

1. Project Information (*Section 01010-1.02 B*)
2. Work will be constructed under a single prime contractor. (*Section 01010-1.03 B*)
3. Contractor shall have full use of premises for construction operations, subject to limitations and requirements of the West Virginia Army National Guard.
4. Contractor is responsible for keeping driveways and entrances serving the premises clear and available for the Owner's use.

### b. SCOPE OF CIVIL WORK

1. Review the scope of work for subject project N/A

- |   |                            |
|---|----------------------------|
| 2. Purchasing Documents   | <b>PURCHASING DIVISION</b> |
| (a) General insurance/bonds from prime contractor by Notice to Proceed date. Copies to be provided to CFMO. For the subcontractors, copies of insurance due prior to start of work. |                            |
| (b) Drug Free Compliance Affidavit  |                            |
| 3. Environmental Issues/comments N/A  | <b>ENVIRONMENTAL</b>       |
| 4. Construction Storm Water Permit N/A  | <b>ENVIRONMENTAL/CEI</b>   |
| 5. Sediment Erosion Control Measures N/A  | <b>ENVIRONMENTAL/CEI</b>   |

**QUESTIONS AND ANSWERS****POST ENGINEERING**

Q:

A:

Q:

A:

Q:

A:

Q:

A:

Q:

A:

### 13. CLOSING COMMENTS

### POST ENGINEERING

- Meeting notes will be published through state purchasing, along with clarifications to contract documents.
- Any further question will be addressed through an Addendum released after the question period has closed.
- Any further questions between now and bid award must be directed to State Purchasing no later than noon on close of business **09 July 2010**.

## WVARNG LIVE FIRE EXERCISE SHOOTHOUSE PHASE 2 – SUPPORTING FACILITIES CONSTRUCTION

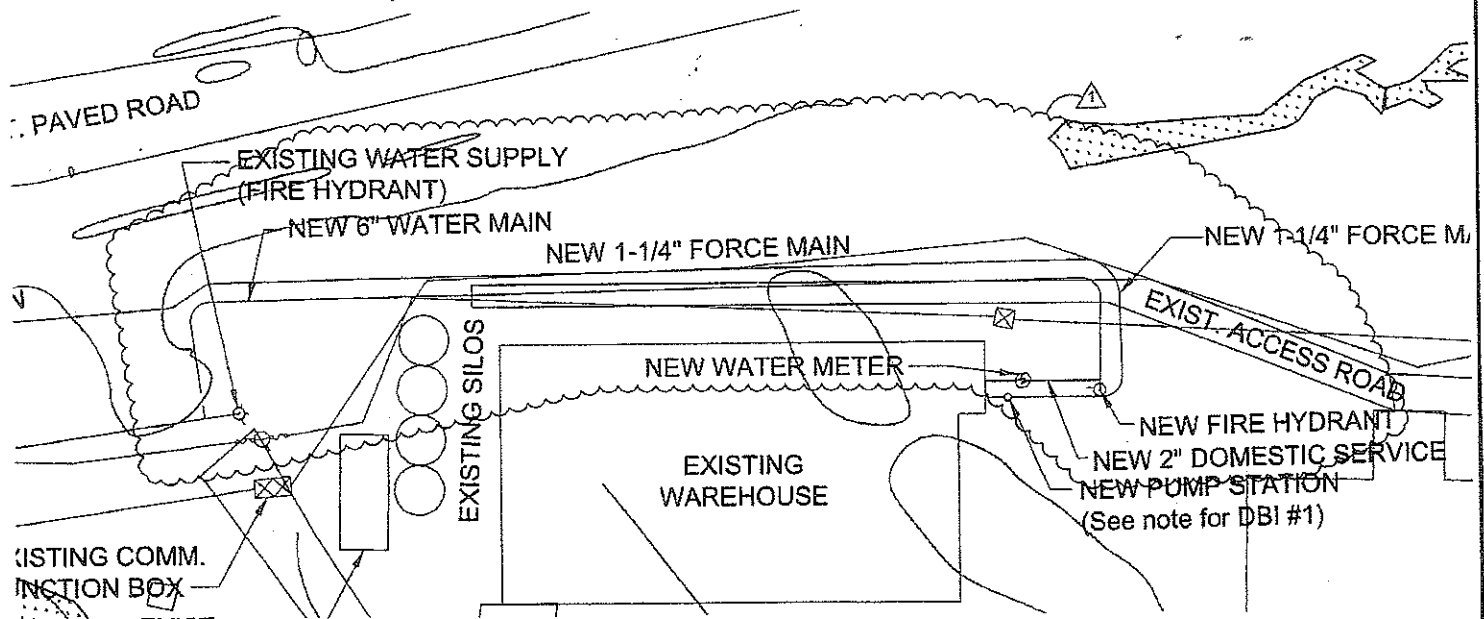
### ADDENDUM ITEMS

The following are items of clarification to questions raised and issues discussed during the Pre-Bid meeting Tuesday, July 20, 2010 at the Armed Forces Reserve Center in Kingwood, WV, for the Phase 2 – Supporting Facilities Construction of the Live Fire Exercise Shoot House Project. These items shall be included in each Contractor's bid and shall become a part of the Construction Contract.

1. Contractor shall extend the existing 6" main to the north end of the warehouse building as indicated on attached drawing C-101A and install a new fire hydrant. Provide new 2" domestic service and new meter from 6" line into building as shown. Refer to attached drawing (C-101A) for additional information.
2. Contractor shall cut and remove existing steel pipe handrails at top of stringer on northwest stair to mezzanine. Provide new 1 ½" O.D. galvanized steel handrails at 3'-0" above nosing (to center) as indicated in attached drawing A-104A. Repair existing stair landing by replacing existing steel grate floor material with new steel bar grating as indicated in the attached cut sheet. Provide additional perimeter support framing where required, to support new landing.
3. Delete ceiling exhaust (EF-3 & EF-4) in the toilets and replace with sidewall fan units (flush to the interior) complete with wall housing, backdraft damper, and weather hood as indicated in drawings M-101A and M-601C and attached cutsheets. Bottom of fans a minimum of 6'8" AFF. Sawcut opening in existing CMU wall for installation of new sidewall fan units-typ.
4. Add a 2 pole wall mounted switch, conduit and wire for control of LFSH ventilation unit (EF-5) on the mezzanine. The switch location will be beside the wall mounted gang switches located adjacent to new LFSH at column line C3 on the ground floor.
5. Provide 4" O.D. concrete filled steel bollards at not more than 10'-0" o.c. (equally spaced) with 4-strands vinyl covered galvanized steel aircraft cable-3/8", (tensioned), threaded at turnbuckle end, swaged and toggled at post ends, in lieu of steel pipe handrails indicated. Sections of railing indicated on the drawing (Sheet A-105) at immediate top of the stair shall remain galvanized steel pipe rail as detailed in 1/A-105. See attached drawing A-105A and cut sheets.
6. Shore and remove existing damaged 8" CMU wall at Ammo Breakdown building adjacent to window (approx. 3'-0" wide section). Tooth in new CMU to match existing. Prep and paint wall as required by Contract Documents (see General Note 3, Demo Note 2, and Sheet Keynote 1 on A-104).
7. Demo exterior wall panels on mezzanine level beneath operable window (adjacent to column line A5), for installation of new louver L-1 (see M-601B), serving LFSH ventilation unit EF-5 and associated ductwork. Field verify exact opening dimensions prior to louver order, yet maintaining minimum free area scheduled. Provide additional steel framing members in exterior wall as required to support louver specified.
8. Install a switch to control exhaust fan 4 (EF-4) in men's restroom. Mount beside light switch.
9. Install a switch to control exhaust fan 3 (EF-3) in women's restroom. Mount beside light switch.

10. Install a switch to also control exhaust fan 2 (EF-2) (currently control by thermostat) in Ammo Breakdown room. Mount beside light switch. The thermostat or switch should be able to turn on EF- 2.
11. Exhaust fan 1 (EF-1) shall run continuously.
12. Provide and install 3KW electric wall heater (EH-3 – a duplicate of EH-1&2) on outside wall in the mechanical room to include breaker, conduit and wire fed from panel “C” (duplicate electrical circuit for EH-2 fed from electrical panel “C”). Refer to M-601A.
13. Demolish, remove and dispose of four (4) existing light fixtures located above the mezzanine floor starting from column line B12 to column line B8. Conduit, wire and electrical devices shall be removed back to the source.

END OF ADDENDUM



## PARTIAL SITE PLAN (PROPOSED)

SCALE: 1"=100'-0"



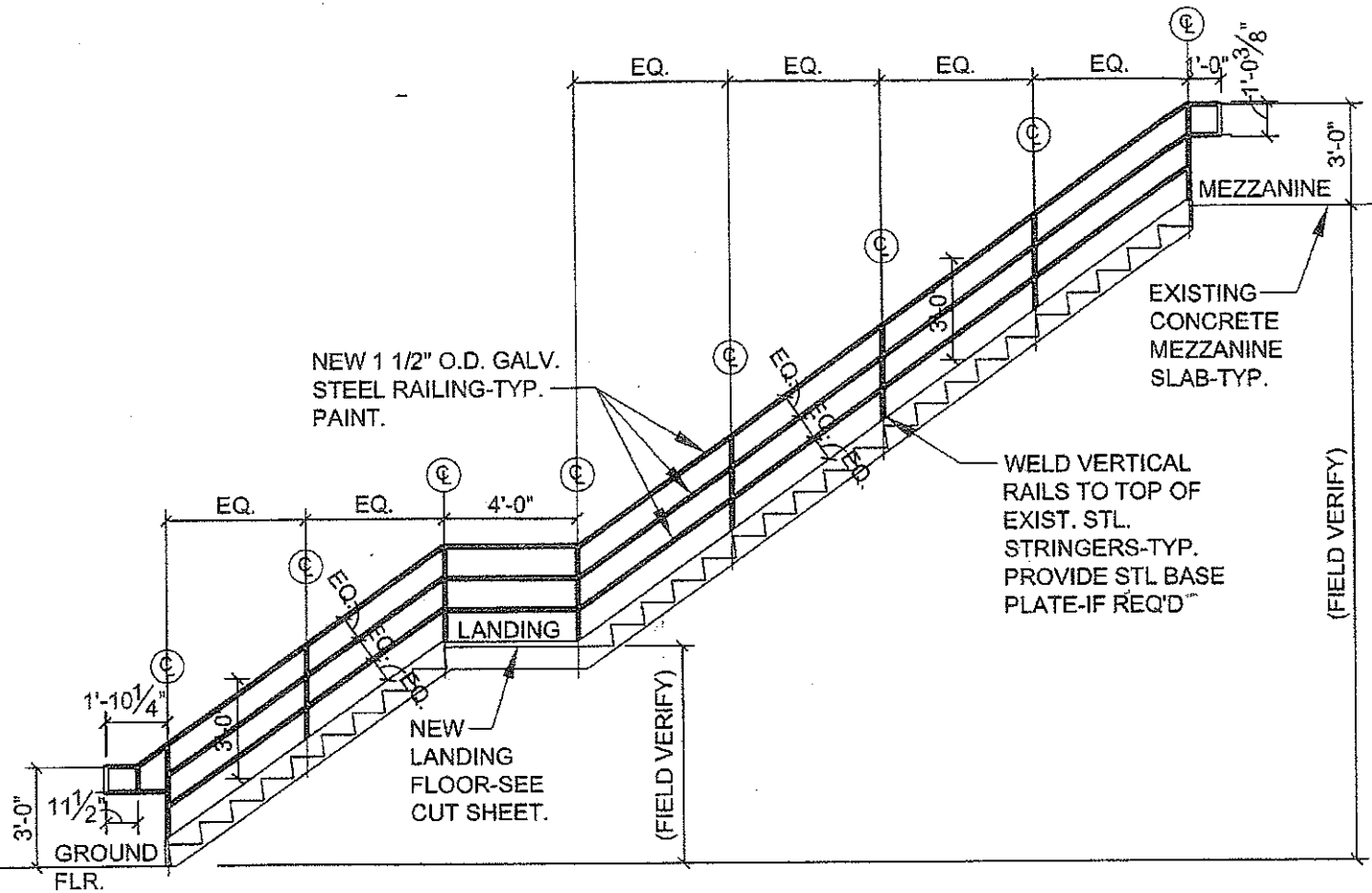
GRW PROJECT NO. 3280-46		WVARNG PROJECT NO. 540006A	
REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ADDENDUM 1	7/20/10	

**PARTIAL SITE PLAN**  
 LIVE FIRE EXERCISE SHOOT HOUSE  
 PHASE 2-SUPPORTING FACILITIES  
 WVARNG-VOLKSTONE TRAINING AREA  
 KINGWOOD, WV

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DATE:	JULY 20, 2010
SCALE:	1"=100'
SHEET NO.	C-101A



## ELEVATION

SCALE: 3/16"=1'-0"



## NOTES:

1. EXISTING STEEL RAILINGS SHALL BE CUT OFF AT TOP OF EXISTING STRINGERS AND DISPOSED OF OFF SITE.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO FABRICATION OF STEEL RAILINGS.
3. ALL VERTICAL ELEVATIONS SHALL BE FIELD VERIFIED INCLUDING RISERS AND TOP OF STRINGERS PRIOR TO FABRICATION OF STEEL RAILINGS.
4. EXISTING LANDING SHALL BE REPLACED WITH 1" (h) PLAIN STEEL CLOSE MESH STEEL BAR GRATING AS INDICATED. FIELD VERIFY ACTUAL LANDING DIMENSIONS.

GRW PROJECT NO. 3280-46		WVARNG PROJECT NO. 540006A	
REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ADDendum 1	7/29/98	
SCALE CHECK: (THIS MARK SHOULD MEASURE EXACTLY 1/2" WHEN PLOTTED)			

**RAILING ELEVATION**

LIVE FIRE EXERCISE SHOOT HOUSE  
PHASE 2-SUPPORTING FACILITIES  
WVARNG-VOLKSTONE TRAINING AREA  
KINGWOOD, WV

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	JULY 20, 2010
	SCALE:
	3/16" = 1'-0"
	SHEET NO.
	A-104A



Item Specs: 6601319999

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**McNICHOLS® Quality Bar Grating, Plain Steel, Close Mesh, GCM Series, GCM-1-100, 36.0630" x 144.0000"**

Visit us online at <http://www.mcnichols.com>  
Order Now: 1-877-884-4653 or email [sales@mcnichols.com](mailto:sales@mcnichols.com)



## Item Specifications:

Item Number :	6601319999
Product Line :	Grating
Product Type :	Bar
Weight :	18.1 #/SF
Class :	Close Mesh
Trade Name :	McNICHOLS
Category :	GCM Series
Major Material :	Plain Steel
Minor Material :	Hot Rolled
AKA Description :	GCM-1-100
Construction :	Press Lock
Spacing Description :	7-P-4
Bearing Bar Height :	1.00
Bearing Bar Thickness :	0.1875
Bearing Bar Spacing :	0.4375
Surface :	Smooth
Cross Bar Spacing :	4.0
Percent Open Area :	55
Width :	36.0630
Length (Span for Grating) :	144.0000
SKU Type :	Panel
Cross Bar Type :	Rectangular
HS Item Number :	6601319999



## Accessories:

Angle	Banding	Clips, Anchors, Etc
End Plates	Hardware	Kick Plate
Nosing		

## Options:

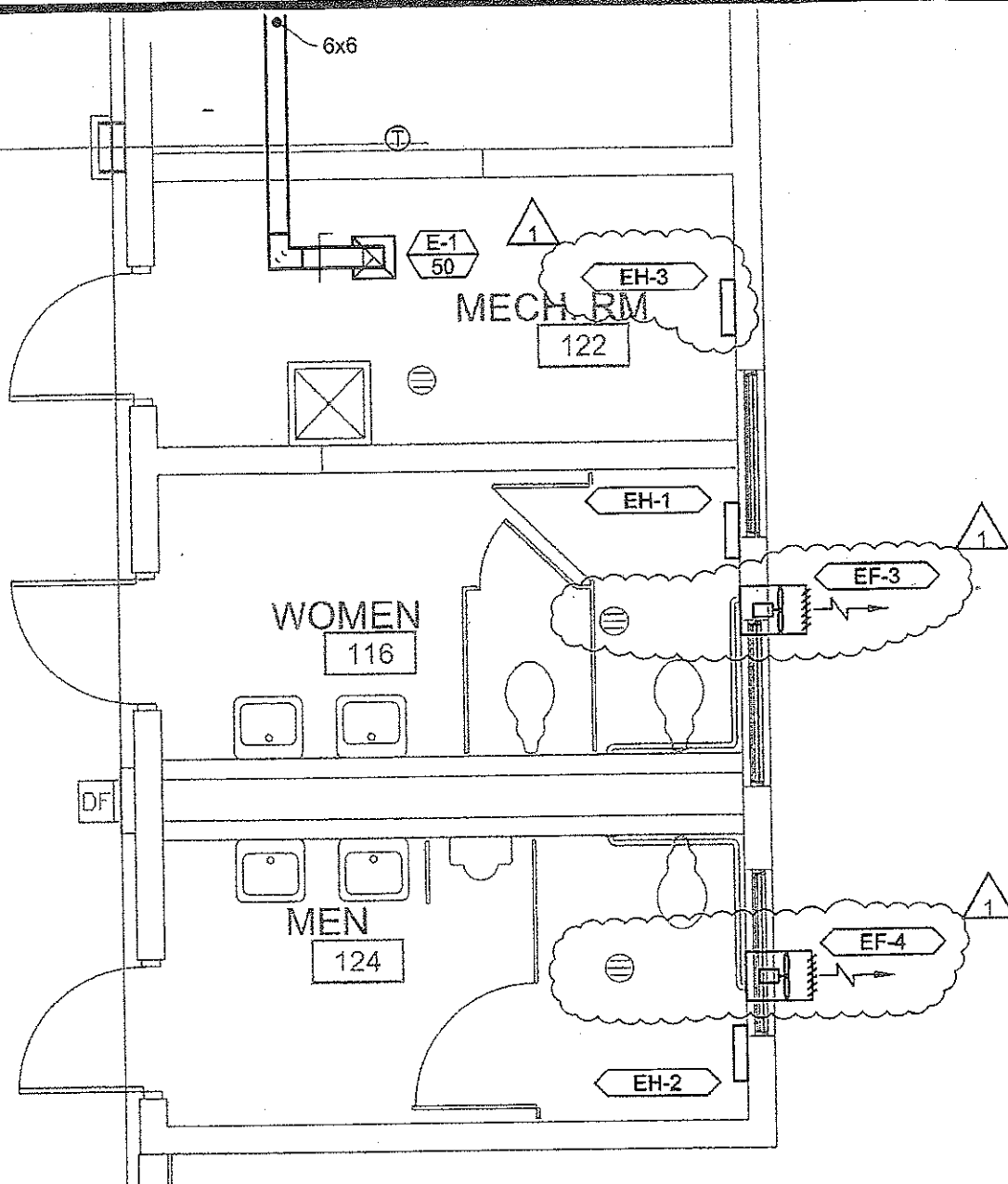
Add Studs	The process of adding additional studs, different studs or different spacing to Embed angle
-----------	---

## Item Specs: 6601319999

Angle Cutting	Straight line cutting to produce an angle other than 90 degrees
Anodizing	The process of coating aluminum electrolytically, resulting in a thin film of aluminum oxide of extreme hardness. Can be processed either clear or in colors.
Banding	A process involving the application of a flat piece of metal to the end of cut bar grating to give a more finished appearance and protect the ends.
Bevel Cutting	A type of cut where the blade is set to other than a 90 degree angle with respect to the surface of the material.
Circle Cutting	Shearing or sawing material in a circular path to a specified dimension.
Coating	A material applied as a covering to another material such as vinyl coating applied to steel.
Cut to Size	This describes the option of cutting a standard size into pieces of specified size with typically 90 degree corners. Used to describe this process regardless of what tool or machine is used to do the cutting.
Drawings Required	Drawings required to confirm material specifications, sizes or to aid in erection of the finished materials.
Hot Dip Galvanizing	The process of applying a zinc rich coating to steel to prevent corrosion by submerging the material in a tank of molten zinc for a period of time.
Install Hinges	The process where hinges are installed between grating and an interior cut-out such that the interior portion of the grating can swing open like a door.
Install Mounting Lugs	The process in which flat pieces of material are fit and welded in place between bearing bars on grating to facilitate the attachment of the grating to its structure.
Install Nosing	The process by which a nosing product is added to the leading edge of a piece of grating or a stair tread.
Install Toe Plate	The process by which a flat piece of material is attached to the edge of a piece of grating at a 90 degree angle to the surface and extending above the surface of the material, preventing a foot from extending over the edge of the grating
Notching	A type of cutting where material is removed from a portion of the edge of a product to specified dimensions resulting in a "cut-out" or notch in the edge of the material
Painting (Grating)	The process of applying paint to a grating product.
Plating	The application of a thin layer of a secondary metal to a primary metal through an electrolytic process.
Powder Coating	The process of applying powdered paint to an item then placing it in an oven where the powder particles melt and coalesce to form a continuous coating.
Pressure Blasting	Pressure blasting consists of attacking the surface of a material with one of many types of media. Sand, glass and shot blasting are most common. Can be used to remove rust or corrosion or to impart a different surface finish to the material.
Welding	The process of fusing two pieces of metal together through the application of heat, sometimes with pressure and sometimes with an intermediate or filler material having a high melting point.

**Applications:**

Architectural/Decorative	Applications where the appearance of the finished item is as important as the function of the item.
Catwalk/Walkway	Material used as flooring on a raised pathway enabling movement from one area to another.
Flooring	Material used as flooring.
Part/Equipment	Products used as parts on equipment or machinery.
Platform/Deck/Mezzanine	Materials used in the construction of a mezzanine or platform up above the existing level.
Railings	Products used to form a physical barrier around an area or platform, typically a handrail.
Ramp	Material used in a gradual incline to get from one elevation to the next.
Trench/Grate/Drain	Material used to cover a long narrow hole, typically used for drainage



# OPERATIONS STORAGE BUILDING - MECHANICAL FLOOR PLAN

SCALE: 1/4"=1'-0"



GRW PROJECT NO. 3280-46		WVARRG PROJECT NO. 510008A	
REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ADDENDUM 1	12/03/10	AAT
SCALE CHECK: <input type="checkbox"/> THIS MARK SHOULD MEASURE EXACTLY 1/4" WHEN PLOTTED			

DESIGNED BY	AAT
CHECKED BY	EGR
REVIEWED BY	AAT
APPROVED BY	AAT

**MECHANICAL FLOOR PLAN**  
LIVE FIRE EXERCISE SHOOT HOUSE  
PHASE 2-SUPPORTING FACILITIES  
WVARRG-VOLKSTONE TRAINING AREA  
KINGWOOD, WV

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DATE: JULY 20, 2010  
SCALE: 1/4" = 1'-0"  
PROJECT NO. **M-101A**

EXHAUST FAN SCHEDULE									
MARK	TYPE	CFM	S.P. IN WG	RPM	DRIVE	FAN TIP FPM	HP	MOTOR VPH/Hz	ACCESSORIES
EF-1	3	180	0.375	1300	DIR	3702	Frac	115/1/60	1,2,4,8
EF-2	3	230	0.375	1550	DIR	3297	Frac	115/1/60	1,2,4,8
EF-3	5	150	0.2	1550	DIR	3246	Frac	115/1/60	1,2,4,8
EF-4	5	150	0.2	1550	DIR	3246	Frac	115/1/60	1,2,4,8
EF-5	4	4400	1.25	1377	BELT	6669	2	230/1/60	1,3,4,7,8,9
EF-5A	4	6600	1.5	864	BELT	6699	5	230/1/60	1,3,4,7,8,9

## FAN TYPE:

1. CENTRIFUGAL ROOF EXHAUSTER
2. UPBLAST CENTRIFUGAL ROOF EXHAUSTER
3. SIDEWALL CENTRIFUGAL FAN
4. INLINE CENTRIFUGAL FAN
5. SIDEWALL PROPELLER FAN
6. SWSI CENTRIFUGAL UTILITY FAN
7. TOILET RM CEILING EXHAUST FAN

## NOTE:

IF AB1-2 IS SELECTED REPLACE EF-5  
WITH EF-5A

## FAN ACCESSORIES:

1. ELECTRICAL DISCONNECT SWITCH
2. INLET SCREEN, WALL HOUSING OR CAP OSHA MOTOR GUARD
3. ADJ. SHEAVES, OSHA MOTOR AND/OR BELT GUARD
4. BACKDRAFT DAMPER
5. MANUFACTURER'S PREFABRICATED INSULATED ROOF CURB
6. HINGED CURB CAP
7. NEOPRENE VIBRATION ISOLATORS
8. FACTORY INSTALLED SINGLE POINT WIRING
9. MOTOR STARTER

GRW PROJECT NO. 3250-45

WVARNG PROJECT NO. 540006A

REVISIONS			
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1	ADDENDUM 1	7/20/10	AAT

DESIGNED	AAT
DRAWN	EGR
CHECKED	AAT
APPROVED	AAT

## MECHANICAL SCHEDULES

### LIVE FIRE EXERCISE SHOOT HOUSE PHASE 2-SUPPORTING FACILITIES WVARNG-VOLKSTONE TRAINING AREA KINGWOOD, WV

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DATE  
JULY 20, 2010  
SCALE  
NONE  
SHEET NO.

M-601C

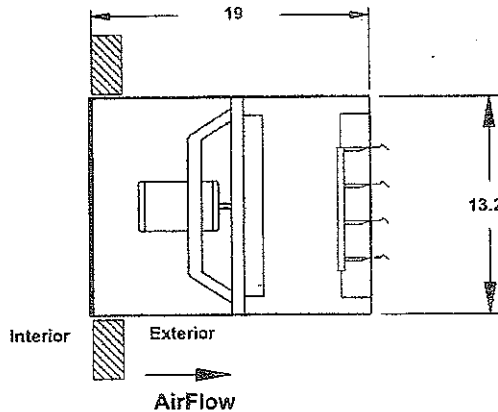


Printed Date: 7/22/2010  
 Job: 3280-46 LFSH WV ANG  
 Product Type: Fan  
 Mark: EF-3, 4

2A - Flush Interior Standard Exhaust  
 For Interior Service Applications

# SE1

## Sidewall Direct Drive Exhaust Fan



Tag EF-3, 4

### STANDARD CONSTRUCTION FEATURES

• Fan panels of galvanized steel • Aluminum blade propeller • Heavy gauge welded wire motor supports and fan guard that is Zinc plated • Motor mounted to support guard with neoprene isolators • Corrosion resistant fasteners

### SELECTED OPTIONS & ACCESSORIES

Damper WD-320-PB-10x10, Gravity Operated  
 Short Wall Hsg., Flush Interior (2A-Exhaust) w/ OSHA Guard  
 Switch - Nema-1, Toggle, Ship With Unit, Field Mounted  
 Aluminum Propeller  
 Galv. Weatherhood 45 Degree w/ B.S.  
 Wiring Pigtail, External, 9 Feet from Unit of Metallic Liquid-Tite  
 Motor w/ Thermal Overloads

Note: Wall Housing Sizes 42 and Larger with heavy motors and all Filtered Wall Housings need additional bracing.

NOTES: All dimensions shown are in units of inches  
 Fan weight is without accessories

### DIMENSIONS

Approx. Fan Weight (lb)	Recommended Roof/Wall Opening: (in)	Optional Damper (in)
15	14.25 x 14.25	10 x 10

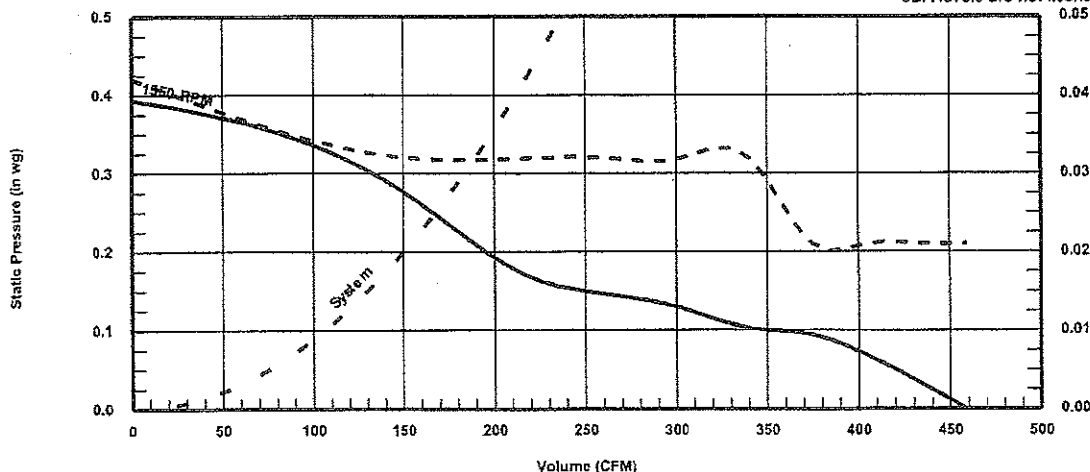
### PERFORMANCE (Elevation ft = 0, Airstream Temperature F = 70)

Qty	Model	Volume (CFM)	SP (in wg)	FRPM	Operating Power (hp)	Motor Information				
						Size (hp)	V/C/P	Encl.	Motor RPM:	Windings
1	SE1-8-440-D-1	198	0.2	1,550	0.03	1/30	115/60/1	TEAO	1550	1

### SOUND

Inlet Sound Power by Octave Band								Lwa	dBA	Sones
62.5	125	250	500	1000	2000	4000	8000			
71	72	62	58	56	53	48	44	62	51	6.2

Lwa - A weighted sound power level, based on ANSI S1.4.  
 dBA - A weighted sound pressure level, based on 11.5 dB attenuation per octave band at 5.0 ft.  
 Sones calculated using AMCA 301 at 5.0 ft.  
 dBA levels are not licensed by AMCA International.



— RPM Curve  
 --- System Curve  
 ... Brake Power Curve  
 Do not select to the left of this surge curve



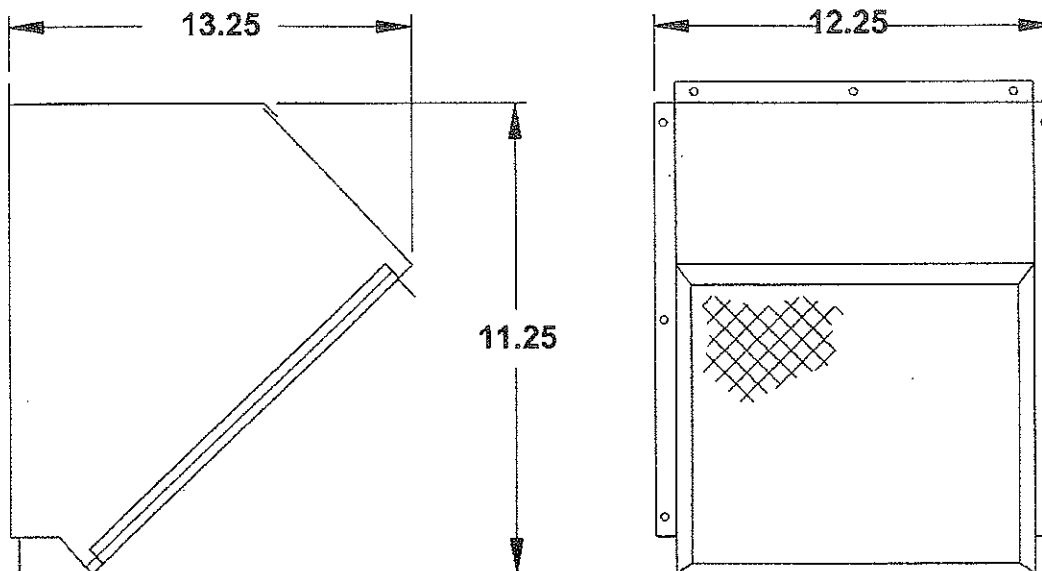


Printed Date: 7/22/2010  
 Job: 3280-46 LFSH WV ANG  
 Product Type: Fan  
 Mark: EF-3, 4

## WH 45° Weatherhood

### STANDARD CONSTRUCTION FEATURES

- Galvanized steel or aluminum construction • 0.5 welded wire birdscreen • Prepunched mounting holes • Field assembled.



NOTES: All dimensions shown are in units of inches



Printed Date: 7/22/2010  
 Job: 3280-46 LFSH WV ANG  
 Product Type: Fan  
 Mark: EF-3, 4

## WD-320 Vertical Mount Exhaust Damper

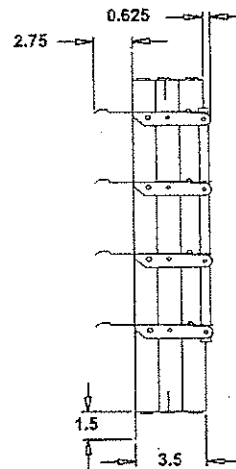
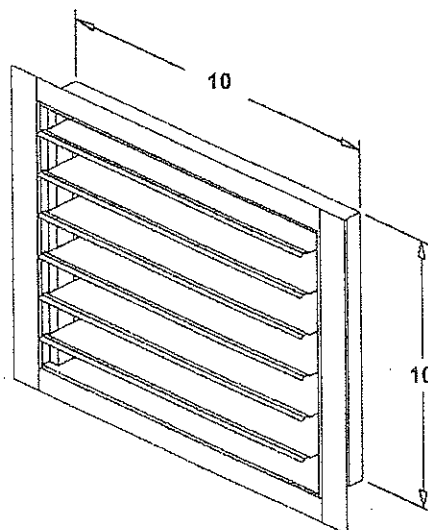
### STANDARD CONSTRUCTION FEATURES

Vertical mount exhaust damper is constructed of 18 ga. galvanized steel with pre-punched mounting holes and a flanged frame.

- Damper blades are 0.025 in roll formed aluminum with vinyl seals on the closing edge
- Steel axles are 0.188 in diameter zinc plated steel mounted in acetal bushings
- Synthetic axle bearings

### Accessory Configuration

Blade Action	Parallel
Actuator Type	Gravity



NOTES: All dimensions shown are in units of inches  
 Width and height furnished approximately 0.125 in undersize.



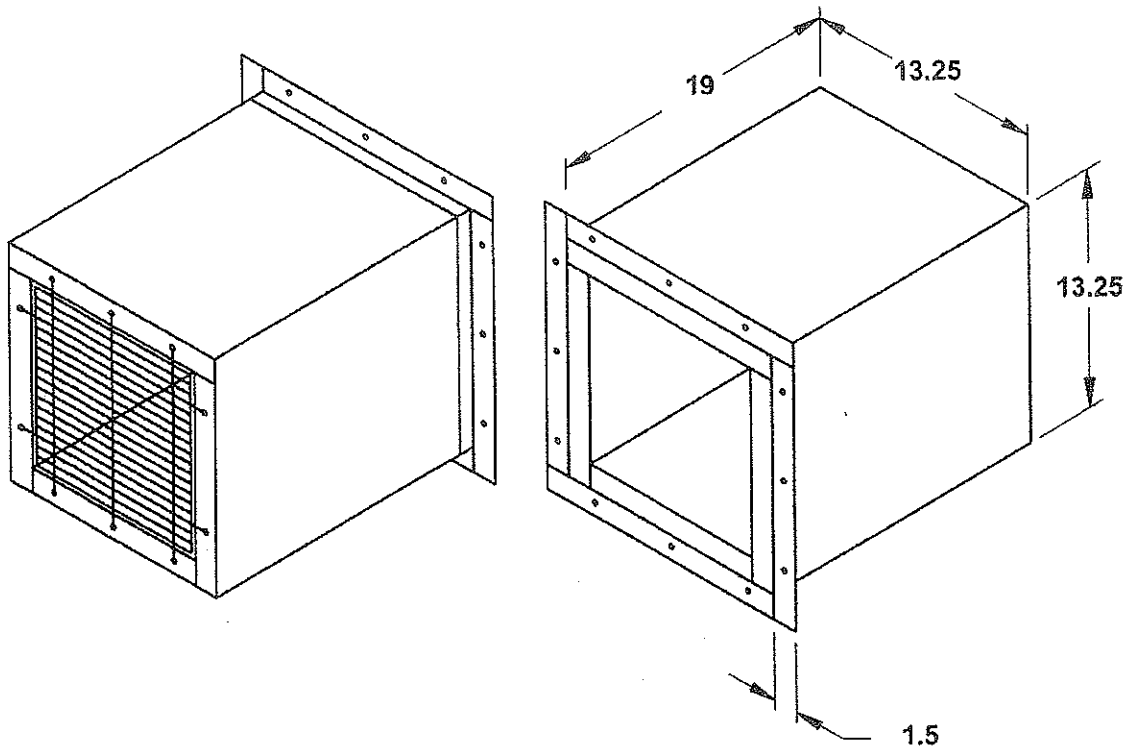


Printed Date: 7/22/2010  
 Job: 3280-46 LFSH WV ANG  
 Product Type: Fan  
 Mark: EF-3, 4

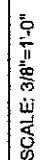
## WH Short Wall Housing

### STANDARD CONSTRUCTION FEATURES

- Galvanized steel construction • Heavy gauge mounting flanges • Pre-punched mounting holes • Inside flanges allow damper to be mounted • Overlapping weatherhood flange keeps rain out • OSHA Protective guard of welded steel wire completely protects the drive side of the wall housing.



NOTES: All dimensions shown are in units of inches



**NOTE: CLEAN CONCRETE AND  
COAT W/ EPOXY BONDING  
COMPOUND & FILL AROUND  
SLEEVE W/ NON-SHRINK  
GROUT-TYP.**

GRW PROJECT NO. 3280-46		WYARRING PROJECT NO. 540008A	
REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ADDENDUM 1	7/22/10	
SCALE CHECK: _____ TIES MARK SHOULD MEASURE EXACTLY 1" WHEN PLOTTED			

DESIGNED:	DAA
DRAWN:	DAA
REVIEWED:	DAA
APPROVED:	DAA

**TYP. RAILING ELEVATION**  
LIVE FIRE EXERCISE SHOOT HOUSE  
PHASE 2-SUPPORTING FACILITIES  
WVARNG-VOLKSTONE TRAINING AREA  
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DATE:	JULY 20, 2010
SCALE:	3/8"=1'-0"
DRAWING NO.	A-105A

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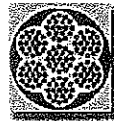
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## 7 x 19 PVC / Vinyl Coated Cable

BARE CABLE DIAM ("")	OUTER VINYL DIAM ("")	GALVANIZED WEIGHT (LBS/1000 FT)	STAINLESS STEEL WEIGHT (LBS/1000 FT)
1/32	3/64	2.5	2.5
3/64	1/16	5.0	5.0
1/16	3/32	9.5	9.5
1/16	1/8	12.0	12.0
3/32	1/8	20.0	20.0
3/32	5/32	22.0	22.0
3/32	3/16	29.0	29.0
1/8	3/16	40.0	40.0
1/8	1/4	49.0	49.0
5/32	7/32	61.0	61.0
5/32	1/4	65.0	65.0
3/16	1/4	81.0	81.0
3/16	5/16	97.0	97.0
7/32	9/32	106.0	106.0
7/32	5/16	114.0	114.0
1/4	5/16	133.0	133.0
1/4	3/8	152.0	152.0
5/16	3/8	204.0	204.0
5/16	7/16	226.0	226.0

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## Military Spec.

## Lexco News

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7/26/2010

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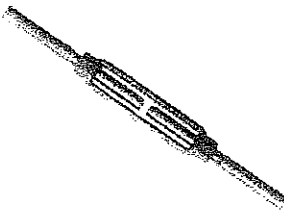
## Product Catalog

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Item # TB386SEHDG, Stubs  
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CENTER TURNBUCKLES

[larger image](#)Stubs  
Low-Cost Forged

Conforms To Federal Specification FF-T-791b, Type 1, Form 1 - Class 3

Dimensions, approx



\* Seld colored

[Click Here to View Turnbuckle FAQ's](#)

## Specifications

Thread Dia & Take Up (in.)	3/8 x 6
Working Load Limit (lbs)	1200
Weight	0.75
A	0.38
B	6
C	7.13
D	0.56
E	4.44
F	16

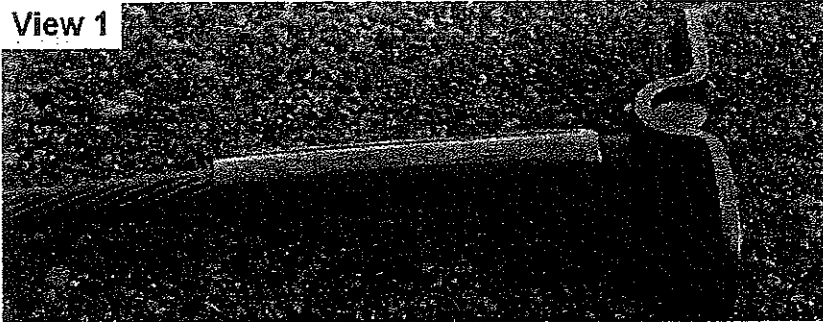
## Architectural Railing Assemblies - Lexco Cable

- **Application** - To secure the turnbuckle to a post

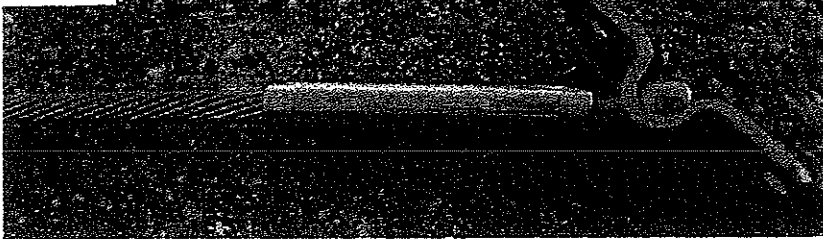
### Cable Railing Terminal Ends (non tensioning)

#### Deck Terminal

##### View 1



##### View 2



- **Description** - Deck terminal (#25-314-1T) machine swaged to 3/16" 1x19 stainless steel cable
- **Application** - Mounts to any surface; can be through-bolted by its two tabs; toggles 140 degrees.

#### Button Terminal



- **Description** - Button terminal (#25-306-5F) machine swaged to 3/16" 1x19 stainless steel cable
- **Application** - Secures via through-post termination

#### Toggle Jaw



- **Description** - Toggle jaw (#25-314) machine swaged onto 3/16" 1x19 stainless steel cable
- **Application** - The turnbuckle jaw easily attaches to eyes, tabs or in a channel. The cable is terminated internally; swage terminal is not visible.



Jun 2009  
ISO 9001-2008 Certified

Feb 2009  
Lexco Cable Supports 2009  
Academy Awards

#### ► **Return Policy**

\* Click here for our Return Policy

#### ► **Turnaround & Delivery**

**On Time 99.4%**



CABLE ENDS @  
POST. (3/8" DIA)

LOUVERS											
MARK	SERVICE	LOCATION	FLOW RATE CFM	VELOCITY FPM	FREE AREA SF	PRESS LOSS IN WG	LVR SIZE HxWxD-IN	TYPE	MATERIAL	FINISH	NOTES
L-1	EF-5A	MEZZANINE	6500	500	11.00	0.075	42x72x6	STATIONARY	ALUM	KYNAR	1.2
L-2	FCU-3.4	AAR WALL	420	500	0.84	0.06	18x18x6	STATIONARY	ALUM	KYNAR	1.2

NOTES:

1. BIRD SCREEN

2. COLOR SELECTION BY ARCHITECT

GRW PROJECT NO. 3290-4B

WVARNG PROJECT NO. 540000A

AAT

## MECHANICAL SCHEDULES

LIVE FIRE EXERCISE SHOOT HOUSE  
 PHASE 2-SUPPORTING FACILITIES  
 WVARNG-VOLKSTONE TRAINING AREA  
 KINGWOOD, WV

**GRW**  
 ENGINEERS - ARCHITECTS - PLANNERS  
 www.grwinc.com

JULY 20, 2010

NONE

SHEET NO.

M-601B

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ADD COLUMN 1	7/20/10	AAT

DESIGNED BY	AAT
DRAWN BY	EGR
REVIEWED BY	AAT
APPROVED BY	AAT

SCALE CHECK: (THIS MARK SHOULD LOCATE EXACTLY 1/2" IN CH. PL. OTTL)

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 NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR THE PROMOTION  
 OF OTHER THAN THE SPECIFIC PROJECT WITHOUT WRITTEN PERMISSION

ELECTRIC HEATER SCHEDULE										
MARK	SERVICE	LOCATION	CFM	ELECTRICAL			ELECT COIL		NOTES	
				VOLTS	PH	KW	EAT F db	LAT F db		
EH-1	WOMEN'S ROOM	RM 116	160	230	1	3.0	5	65	1, 2, 3, 4, 5	
EH-2	MEN'S ROOM	RM 123	160	230	1	3.0	5	65	1, 2, 3, 4, 5	
EH-3	MECH ROOM	RM 122	160	230	1	3.0	5	65	1, 2, 3, 4, 5	

## NOTES:

1. PROVIDE DISCONNECT
2. WALL TYPE SURFACE MOUNTED
3. SINGLE POINT ELECTRICAL CONNECTION
4. INTEGRAL THERMASTAT
5. INDEECO WAI SERIES MODEL 933U0400V OR APPROVED EQUAL

GRW PROJECT NO. 3280-46

WVARNG PROJECT NO. 540006A

DESIGNED  
AATDRAWN  
EGRREVIEWED  
AATAPPROVED  
AAT

## MECHANICAL SCHEDULES

LIVE FIRE EXERCISE SHOOT HOUSE  
PHASE 2-SUPPORTING FACILITIES  
WVARNG-VOLKSTONE TRAINING AREA  
KINGWOOD, WV



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DATE  
JULY 20, 2010SCALE  
NONE

SHEET NO.

M-601A

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	ADDENDUM 1	7/20/10	AAT

SCALE CHECK: 1/8" MARK SHOULD MEASURE EXACTLY 1/2" WHEN PLOTTED

Page \_\_\_\_ of \_\_\_\_

**Pre-Bid Conference****SIGN IN SHEET**

(Please print legibly)

Request for Proposal No: DEFK 10022 / PH I LFSHDate: 20 JULY 2010

<u>Representative &amp; Firm</u> <u>Name</u>	<u>Mailing Address</u>	<u>Telephone &amp; Fax Number</u> <u>Email Address</u>
EX: "SAMPLE" Chuck Bowman WV State Purchasing Division	PO Box 50130 2019 Washington Street, East Charleston, WV 25305	T: 304-558-2157 F: 304-558-4115 Email: charles.a.bowmanjr@wv.gov
1. Phillip Ju-H GRW ENGINEERS	201 Corporate Dr Lexington, KY 40503	T: 859-223-3999 F: 859-223-9419 Email: PJU@GRWINC.COM
2. DALE ADAMS GRW ENGINEERS	801 Corporate Dr. Lexington, KY 40503	T: 859-223-3999 F: 859-223-9089 Email: dadams@grwinc.com
3. Allen Tucker GRW ENGINEERS	801 Corporate Dr Lexington, KY 40503	T: 859-223-3999 F: 859-223-9419 Email: atucker@grwinc.com
4. BRIAN + BEAU HENDERSON	RT2 Box 285 Clarkburg WV 26301	T: 304-623-2573 F: 304-326-2069 Email: beaugh@wudsl-npt.
5. JOE PALLONE MOD SPACE	1117 CEDAR OAK ALEXANDRIA, VA 22308	T: 703 417-5412 F: _____ Email: joe.pallone@modspace.com
6. STEVE DEAN MASTER SERVICE Mid-ATLANTIC	1945 Harrison Ave SINKINS, WV 26241	T: 304-636-8170 F: 304-636-8206 Email: ssdean2@mac.com
7. Rob Lang Green River Group		T: 304-594-3991 F: _____ Email: rlang@greenriverllc.net
8. WAYNE HUFFMAN	Huffman Corporation 415-A Benson Drive Bridgetown 26330	T: 304 842-8500 F: 304 842-8526 Email: Huffman Corp@aol.com
9. Chuck Sheridan Jim Jamison	City Neon, Inc. 822 Fairmont Rd mgt, 26501	T: 304-225-2056 F: 304-225-2059 Email: Carol@cityneon.com

Please PRINT legibly. All information is essential to contact attendees in a timely manner.

If possible, please provide a company business card.



**Pre-Bid Conference  
SIGN IN SHEET**  
(Please print legibly)

Request for Proposal No: \_\_\_\_\_

Date: \_\_\_\_\_

<u>Representative &amp; Firm Name</u>	<u>Mailing Address</u>	<u>Telephone &amp; Fax Number</u> <u>Email Address</u>
EX: "SAMPLE" Chuck Bowman WV State Purchasing Division	PO Box 50130 2019 Washington Street, East Charleston, WV 25305	T: 304-558-2157 F: 304-558-4115 Email: charles.a.bowmanjr@wv.gov
1. Terry Bevins 304-626-0323 DAN HILL CONST.	P.O. Box 685 Gauley Bridge WV 25085	T: 1-304-632-1600 F: 1-304-632-1501 Email:
2. POST ENGINEERING CAMP DAWSON	1001 ARMY RD KINGWOOD WV 26537	T: 304 791 4161 F: Email: CDENGINEERING@WV.NGB.ARMY. M31
3. RUCK STEELWORK SAUCE CONSTRUCTION CO.	1549 Tulip Ln Fairmont WV 26559	T: (304) 366-9697 F: (304) 366-9607 Email: RUCKALCO@SAUCECONSTRUCTION.COM
4. Don McClain Veritas Contracting LLC	P.O. Box 1395 Martinsburg WV 26501	T: 304-598-2286 F: 304-598-2287 Email: veritascontracting@aol.com
5. LTC Bill Sinner	CAMP Dawson	T: F: Email:
6. LT Don Weaver	CPDWV	T: F: Email:
7.		T: F: Email:
8.		T: F: Email:
9.		T: F: Email:

Please PRINT legibly. All information is essential to contact attendees in a timely manner.  
If possible, please provide a company business card.



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER
DEFK10022

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
BUYER 32 304-558-2544

RFQ COPY  
TYPE NAME/ADDRESS HERE

Danhill Construction Company  
PO Box 685  
Gauley Bridge, WV 25085

DIV ENGINEERING & FACILITIES  
CAMP DAWSON ARMY TRAINING SITE  
240 ARMY ROAD

KINGWOOD, WV  
26537-1077 304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/12/2010				

BID OPENING DATE:

08/31/2010

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 2 *****						
ADDENDUM ISSUED FOR THE VOLKSTONE LIVE FIRE SHOOT HOUSE PROJECT TO DELAY THE BID OPENING UNTIL AN ADDITIONAL INFORMATION ADDENDUM CAN BE DISTRIBUTED. ADDENDUM NO. WILL BE ISSUED SHORTLY.						
BID OPENING DATE & TIME ARE EXTENDED FROM 08/17/10 TO 08/31/2010 AT 1:30 PM.						
***** NO OTHER CHANGES *****						
0001	1	JB		968-20		
BUILDING CONSTRUCTION						
***** THIS IS THE END OF RFQ DEFK10022 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	Robert D. Hill	TELEPHONE	304-632-1600	DATE	Aug 31, 2010
TITLE	Pres	FEIN	55-0648251	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

## GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
  2. The State may accept or reject in part, or in whole, any bid.
  3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
  4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
  5. Payment may only be made after the delivery and acceptance of goods or services.
  6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
  7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
  8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
  9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
  10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
  11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
  12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
  13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at [www.state.wv.us/admin/purchase/vrc/hipaa.htm](http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
  14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
  15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
  16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.
- I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

### INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER
DEFK10022

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
BUYER 32 304-558-2544

**VENDOR**  
\*709053330      304-632-1558  
DANHILL CONSTRUCTION COMPANY  
PO BOX 685

GAULEY BRIDGE WV 25085

**SHIP TO**  
DIV ENGINEERING & FACILITIES  
CAMP DAWSON ARMY TRAINING SITE  
240 ARMY ROAD  
KINGWOOD, WV  
26537-1077      304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/16/2010				

BID OPENING DATE: 08/31/2010      BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 3 *****						
ADDENDUM ISSUED FOR THE VOLKSTONE LIVE FIRE SHOOT HOUSE PROJECT TO DISTRIBUTE THE VENDOR Q/A SUBMITTED AFTER THE PRE-BID MEETING AND THE REVISED SPECIFICATIONS PER THE ATTACHED.						
BID OPENING DATE AND TIME REMAIN 08/31/2010 AT 1:30 PM.						
***** NO OTHER CHANGES *****						
0001	1	JB		968-20		
BUILDING CONSTRUCTION						
***** THIS IS THE END OF RFQ DEFK10022 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	Robert D. Hill	TELEPHONE	304-632-1600	DATE	Aug 31, 2010
TITLE	Pres	FEIN	55-0648251	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

## ADDENDUM NO. 3

**WVARNG LIVE FIRE EXERCISE SHOOTHOUSE  
PHASE 2 – SUPPORTING FACILITIES CONSTRUCTION**
**ADDENDUM ITEMS**

The following are items of clarification to questions submitted by responding Bidders for the Live Fire Exercise Shoot House Phase 2 – Supporting Facilities Construction Project at the West Virginia Army National Guard, Volkstone Training Area, in Kingwood, WV. These clarifications shall be included in each Contractor's bid and shall become a part of the Construction Contract.

1. Detail 2 & 3 on A301 shows 5/8" drywall on top of trusses (under plywood sheathing). Is this type X drywall, or an exterior gypsum sheathing?

**The 5/8" type 'X' Gypsum board base provides a smooth surface for adhering the membrane roof material to the substrate and is installed over the 5/8" plywood deck. The contractor shall provide an exterior, (type 'X') gypsum sheathing product similar to "GlassRoc" Type X by Certaineed (or equal), for its density and weather resistance characteristics.**

2. Drawings call for exterior walls (types 1 and 1A) to be 3-5/8" x 20ga. Cold Formed Metal Specifications call for metal gauge to be at least 18ga. Which is correct?

**The Specifications are correct. Provide 18 Ga. cold formed metal studs for exterior walls.**

3. Do the exterior load bearing walls need to be engineered?

**No.**

4. I see no specification on alternates (ABI-2). Are there any specifications on the bulletproof wall (note 1 on A403) or the bulletproof ceiling tiles (notes 5 & 6 on A403)?

**Specifications for the Live Fire Exercise Shoot House Equipment are in the Specifications Book after Section 10801-Toilet and Bath Accessories, and before Section 15010-Basic Mechanical Requirements.**

5. Are the fan coil units ran off of the programmable thermostat only, or is their a ddc system that is going to control them and if so who is the control contractor for the base?

**Stand alone programmable T-stats.**

6. Exhaust fan 5, what are we tying the duct into at the ceiling level, it shows the 14" drops but not what they are tying into or who is supplying it?

**The 14" diameter drops transition to the openings in the LFSH ceiling. Attach the duct to the shoot house ceiling per mechanical section 1 on sheet M-201 and SMACNA standards as referenced in spec section 15810. Refer to sheet key note 5 on architectural sheet A-403. Coordinate with shoot house provider.**

7. Specification Section 08520 Aluminum Windows, 1.05 A. 2. C: 20 year finish warranty standard warranty for anodized is 3 years, please clarify.

**Refer to attached revised Spec Section 08520 - Aluminum Windows.**

8. Specification Section 08520 Aluminum Windows, 2.02 I: Windborne debris resistance is for a hurricane window, window specified is not. Please clarify.

**Refer to attached revised Spec Section 08520 - Aluminum Windows.**

9. Specification Section 08800

1. Insulated glass make up is not provided. Please clarify.

**Refer to attached revised Spec Section 08520 - Aluminum Windows for insulated glass specification.**

2. Reflective, coated vision glass works in reverse when light in room is brighter than outside, is this glass required in windows?

**Reflective, coated, vision glass is required only in interior window between Classroom 110 and AAR Control room 112 in AAR building.**

3. Self cleaning glass only works if glass is in direct sunlight most of the day. Please clarify with insulating glass make up.

**Delete references to self-cleaning glass in Section 08800 - Glazing. Refer to attached revised Spec Section 08520 – Aluminum Windows for information on insulated glass.**

10. Delete Spec Section 08840 – Plastic Glazing and all references to 1/4" Polycarbonate glazing on the Drawings. Polycarbonate glazing is not required. Refer to revised Section 08520 – Aluminum Windows and Section 08800 – Glazing, for all glazing required in this Contract.
11. Request for Substitution for TRACO windows in lieu of window specified shall be based on requirements included in Spec Section 08520 – Aluminum Windows (Revised 13 August 2010).

END OF ADDENDUM

## SECTION 08520 - ALUMINUM WINDOWS (Revised 13 August 2010)

### PART 1 GENERAL

#### 1.01 Work Included

- A. Furnish and install aluminum architectural windows complete with hardware and related components as shown on drawings and specified in this section.
  - 1. All windows shall be HC50 commercial grade Double Hung windows.
- B. Glass and Glazing
  - 1. All units shall be factory glazed according to 2.01 E of this specification.
- C. Single Source Requirement
  - 1. All products listed in Section 2.01 shall be by the same manufacturer.

#### 1.02 Performance Requirements

- A. Windows shall conform to all AAMA/NWWDA 101/I.S.2 - 97 requirements for the window type referenced in 1.01.A. In addition, the following specific performance requirements shall be met.
  - 1. Air Infiltration Test
    - a. With ventilators closed and locked, test unit in accordance with ASTM E 283 at a static air pressure difference of 1.56 psf (75 Pa).
    - b. Air infiltration shall not exceed .10 cfm/SF (.50 l/s•m<sup>2</sup>) of unit.
  - 2. Water Resistance Test
    - a. With ventilators closed and locked, test unit in accordance with ASTM E 331/ASTM E 547 at a static air pressure difference of 12.0 psf (575 Pa).
    - b. There shall be no uncontrolled water leakage.
  - 3. Uniform Load Deflection Test
    - a. With ventilators closed and locked, test unit in accordance with ASTM E 330 at a static air pressure difference of 50.0 psf (2394 Pa), positive and negative pressure.
    - b. No member shall deflect over L/175 of its span.
  - 4. Uniform Load Structural Test
    - a. With ventilators closed and locked, test unit in accordance with ASTM E 330 at a static air pressure difference of 75.0 psf (3591 Pa), both positive and negative.
    - b. At conclusion of test there shall be no glass breakage, permanent damage to fasteners, hardware parts, support arms or actuating mechanisms, nor any other damage that would cause the window to be inoperable.
  - 5. Forced Entry Resistance
    - a. Windows shall be tested in accordance to ASTM F 588 or AAMA 1302.5 and meet the requirements of performance level 10.
  - 6. Condensation Resistance Test (CRF)
    - a. With ventilators closed and locked, test unit in accordance with AAMA 1503.1.
    - b. Condensation Resistance Factor (CRF) shall not be less than 51 (frame) and 59 (glass) when glazed with 1" (25 mm) insulated – 1/4" (6 mm) clear, 1/2" (12 mm) air, 1/4" (6 mm) clear low emissivity glass
  - 7. Thermal Transmittance Test (Conductive U-Value)
    - a. With ventilators closed and locked, test unit in accordance with AAMA 1503.1.
    - b. Conductive thermal transmittance (U-Value) shall not be more than 0.56 BTU/hr•ft<sup>2</sup>•°F (3.17 W/m<sup>2</sup>•K) when glazed with 1" (25 mm) insulated – 1/4" (6 mm) clear, 1/2" (12 mm) air, 1/4" (6 mm) clear low emissivity glass.

8. Thermal Transmittance Test (Conductive U-Value)
  - a. With ventilators closed and locked, test unit in accordance with NFRC-102.
  - b. Conductive thermal transmittance (U-Value) shall not be more than 0.52 BTU/hr•ft<sup>2</sup>•°F (2.95 W/m<sup>2</sup>•K) when glazed with 1" (25 mm) insulated – 1/4" (6 mm) clear, 1/2" (12 mm) air, 1/4" (6 mm) clear low emissivity glass.

**B. Project Wind Loads**

1. The system shall be designed to withstand the following loads normal to the plane of the wall:
  - a. Positive pressure of 50 psf at non-corner zones.
  - b. Negative pressure of 50 psf at non-corner zones.
  - c. Negative pressure of 75 psf at corner zones.

**1.03 Quality Assurance**

- A. Provide test reports from AAMA accredited laboratories certifying the performance as specified in 1.02.
- B. Test reports shall be accompanied by the window manufacturer's letter of certification, stating the tested window meets or exceeds the referenced criteria for the appropriate AAMA/NWDA 101/I.S.2 - 97 window type.

**1.04 Submittals**

- A. Contractor shall submit shop drawings; furnish samples, test reports, and warranties.
  1. Samples of materials shall be provided without cost to owner, i.e., metal, glass, fasteners, anchors, frame sections, mullion section, corner section, etc.

**1.05 Warranties**

- A. Total Window System
  1. The responsible contractor shall assume full responsibility and warrant for one year the satisfactory performance of the total window installation which includes that of the windows, hardware, glass (including insulated units), glazing, anchorage and setting system, sealing, flashing, etc., as it relates to air, water, and structural adequacy as called for in the specifications and approved shop drawings.
  2. Any deficiencies due to such elements not meeting the specifications shall be corrected by the responsible contractor at their expense during the warranty period.
- B. Material and Workmanship
  1. Per AAMA standard 601, provide written guarantee against defects in materials and workmanship, including anodic finish.
  2. Warranty period shall be for 5 years from the date of substantial completion.
- C. Glass
  1. Provide written warranty for insulated glass units, that they will be free from obstruction of vision as a result of dust or film formation on the internal glass surfaces caused by failure of the hermetic seal due to defects in material and workmanship.
  2. Warranty period shall be for 10 (ten) years.



## PART 2 PRODUCTS

### 2.01 Materials

#### A. Aluminum

1. Extruded aluminum shall be 6063-T5 alloy and tempered.

#### B. Hardware

1. Sweep latches shall be of white bronze with a US25D brushed finish.
2. An extruded aluminum spring catch shall be provided at the head of the windows to securely hold the top sash in position.
3. An extruded aluminum spring catch shall be provided at the sill of the lower sash.
4. Windows with spring latches shall also have standard sweep latches at the meeting rail.

#### C. Balances

##### Class 1, Block & Tackle

1. Balances shall be of appropriate size and capacity to hold sash in position in accordance with AAMA 101, Section 2.2.1.3.2 and AAMA 902, Section 8.1.
2. Balances shall be tested in accordance with AAMA 902, "Voluntary Specification for Sash Balances".
3. Balances shall meet all minimum AAMA 902 Class 1 requirements with a minimum .70 Manually Applied Force ratio (MAF).

#### D. Weather-Strip

1. All primary weather-strip shall be FIN-SEAL® or equal.

#### E. Glass

1. Insulated, laminated glass shall be ASTM E774, Dual Seal, ANSI Z97.1, or CPSC 16 CRF 1201, consisting of 1/4" laminated glass exterior pane, 1/2" air space, and 1/4" clear, tempered glass interior pane. Laminated panes shall consist of 1/8" clear glass with .060" PVB interlayer and 1/8" clear, heat strengthened glass. Outboard glass ply of the laminated pane shall be heat strengthened.

#### F. Thermal Barrier

1. All exterior aluminum shall be separated from interior aluminum by a rigid, structural thermal barrier. For purposes of this specification, a structural thermal barrier is defined as a system that shall transfer shear during bending and, therefore, promote composite action between the exterior and interior extrusions.
2. Sills are thermally broken with 2 thermal struts, consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions. All other frames and sash are thermally broken using the latest technology in two-part, high-density polyurethane. A nonstructural thermal barrier is unacceptable.

### 2.02 Fabrication

#### A. General

1. All aluminum frame and vent extrusions shall have a minimum wall thickness of .080" (2 mm). Frame sill members shall have a minimum wall thickness of .094" (2.3 mm).
2. Mechanical fasteners, welded components, and hardware items shall not bridge thermal barriers.
3. Depth of frame shall not be less than 3 7/8" (98 mm).

#### B. Frame

1. Frame components shall be mechanically fastened.

C. Sash

1. All sash extrusions shall have a minimum wall thickness of .080" (2 mm).
2. All horizontal sash extrusions shall be tubular.
3. Corner connections shall be mechanically fastened.

D. Screens

1. Screen frames shall be extruded aluminum tubular framing sections and cross braces, roll formed from aluminum sheet, complying with SMA 1004 or SMA 1201. Fabricate frames with mitered or coped joints or corner extrusions, concealed fasteners, and removable PVC spline/anchor concealing edge of frame.
2. Aluminum wire fabric shall be 18-by-16 (1.1-by-1.3-mm) mesh of 0.011-inch- (0.28-mm-) diameter, coated aluminum wire, finish to be charcoal gray.
3. Screen mounting holes in the window frame shall be factory drilled.

E. Glazing

1. All units shall be glazed with the manufacturer's standard sealant process provided the glass is held in place by a removable, extruded aluminum, glazing bead. The glazing bead must be isolated from the glazing material by a gasket.

F. Finish

1. Anodic
  - a. Finish all exposed areas of aluminum windows and components with electrolytically deposited color in accordance with Aluminum Association Designation AA-M10-C22-A-41, Architectural Class 1. Color shall be clear anodized.

## PART 3 EXECUTION

### 3.01 Inspection

A. Job Conditions

1. Verify that openings are dimensionally within allowable tolerances, plumb, level, clean, provide a solid anchoring surface, and are in accordance with approved shop drawings.

### 3.02 Installation

- A. Use only skilled tradesmen with work done in accordance with approved shop drawings and specifications.
- B. Plumb and align window faces in a single plane for each wall plane, and erect windows and materials square and true. Adequately anchor to maintain positions permanently when subjected to normal thermal movement, specified building movement, and specified wind loads.
- C. Adjust windows for proper operation after installation.
- D. Furnish and apply sealants to provide a weather tight installation at all joints and intersections and at opening perimeters. Wipe off excess material and leave all exposed surfaces and joints clean and smooth.

### 3.03 Anchorage

- A. Adequately anchor to maintain positions permanently when subjected to normal thermal movement, specified building movement, and specified wind loads.

### **3.04 Protection and Cleaning**

- A. After completion of window installation, windows shall be inspected, adjusted, put into working order and left clean, free of labels, dirt, etc. Protection from this point shall be the responsibility of the general contractor.

END OF SECTION

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Danhill Construction Company  
of Gauley Bridge, West Virginia, as Principal, and Colonial Surety Co.  
of Montvale, New Jersey, a corporation organized and existing under the laws of the State of NJ  
with its principal office in the City of Montvale, as Surety, are held and firmly bound unto the State  
of West Virginia, as Oblige, in the penal sum of 5 % Of Bid Amount (\$ 5% ) for the payment  
of which, well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and  
assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the  
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for  
Renovation of the Volkstone Live Fire Shoot House Project

**NOW THEREFORE,**

(a) If said bid shall be rejected, or  
(b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached  
hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the  
agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in full  
force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event,  
exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no  
way impaired or affected by any extension of the time within which the Oblige may accept such bid, and said Surety does hereby  
waive notice of any such extension.

IN WITNESS WHEREOF, Principal and Surety have hereunto set their hands and seals, and such of them as are corporations  
have caused their corporate seals to be affixed hereunto and these presents to be signed by their proper officers, this  
31<sup>st</sup> day of August, 20 10.

Principal Corporate Seal

Danhill Construction Company  
(Name of Principal)  
By Robert D. Hill *Robert D. Hill*  
(Must be President or  
Vice President)  
President  
(Title)

Surety Corporate Seal

Colonial Surety company  
(Name of Surety)  
Roberta Bird *Roberta Bird*  
Attorney-in-Fact

**IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance. Raised corporate seals must be affixed, a power of attorney must be attached.**

**Colonial Surety Company**

Administrative Office  
50 Chestnut Ridge Road  
Montvale, NJ 07645

**CONSENT OF SURETY**

Div Engineering and Facilities  
Camp Dawson Army Training Site  
Kingwood, WV 26537

**RE: Renovation of the Volkstone Live Fire Shoot House Project**

COLONIAL SURETY COMPANY organized and existing under the laws of the Commonwealth of Pennsylvania and duly qualified to transact business in the State of WV hereby agrees that

**Danhill Construction Company**

**Gauley Bridge, WV**

has submitted a proposal on the captioned project. We hereby agree that in the event an award is made to

**Danhill Construction Company**

**Gauley Bridge, WV**

that we will provide the required performance, payment and/or maintenance bonds.

Signed and sealed this 31st day of August 2010.

**COLONIAL SURETY COMPANY**

BY: Roberta Bird  
Roberta Bird (Attorney-in-Fact)

# COLONIAL SURETY COMPANY

Duncannon, Pennsylvania

Administrative Office: 50 Chestnut Ridge Road, Montvale, New Jersey 07645

## GENERAL POWER OF ATTORNEY

Know all Men by These Presents, That COLONIAL SURETY COMPANY, a corporation duly organized and existing under the laws of the Commonwealth of Pennsylvania and having an administrative office in Montvale, Bergen County, NJ does by these presents make, constitute and appoint

WV

Wayne Nunziata or Anthony J. Cimasko or Frederick S. Gallo

Roberta Bird

Gauley Bridge

of Montvale and the State of New Jersey its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver.

### Any and All Bonds

and to bind the Company thereby as fully and to the same extent as if such bonds were signed by the President, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney(s)-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolution adopted by the Board of Directors of the Colonial Surety Company at a meeting held on the 25th day of July, 1950.

"Be it Resolved, that the President, any Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

"Section 1. Attorney-in-Fact. Attorney-in-Fact may be given full power and authority for and in the name of and on behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements of indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be binding upon the Company as if signed by the President and sealed and attested by the Corporate Secretary."

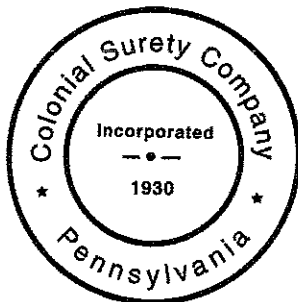
"In Witness Whereof, Colonial Surety Company has caused these presents to be signed by its \_\_\_\_\_ President  
and its corporate seal to be hereto affixed the 2nd day of June, A.D., 2010.

COLONIAL SURETY COMPANY

State of New Jersey

County of Bergen

SS.:



By

  
Wayne Nunziata, President

On this 2nd day of June, in the year 2010, before me

Theresa Simmons

, a notary public, personally appeared

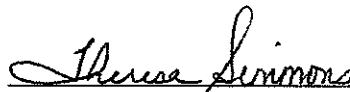
Wayne Nunziata

, personally known to me to be the person who

executed the within instrument as President, on behalf of the corporation therein named and acknowledged to me that the corporation executed it.



THERESA SIMMONS  
A Notary Public of New Jersey  
My Commission Expires September 2, 2010

  
Theresa Simmons

Notary Public

I, the undersigned Secretary of Colonial Surety Company, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Company, and do hereby further certify that the said Power of Attorney is still in force and effect.

And I do hereby further certify that the Certification of this Power of Attorney is signed and sealed by facsimile under and by the authority of the following resolution adopted by the Board of Directors of the Colonial Surety Company at a meeting duly called and held on the 30th of January 1968, and that said resolution has not been amended or repealed:

RESOLVED, that the signature of the Secretary or any Assistant Secretary of this Corporation, and the seal of Corporation, may be affixed or printed by facsimile to any certificate to a Power of Attorney of this Corporation, and that such printed facsimile signature and seal shall be valid and binding upon this Corporation."

GIVEN under my hand and the seal of said Company, at Montvale, New Jersey this 31st day of August, 2010.

Original printed with Blue and Black ink.

For verification of the authenticity of this Power of Attorney you may call (201) 573-8788 and ask for the Power of Attorney clerk. Please refer to the above named individual(s) and details of the bond to which the power is attached.

  
Frederick S. Gallo, Secretary

State of West Virginia

County of Fayette

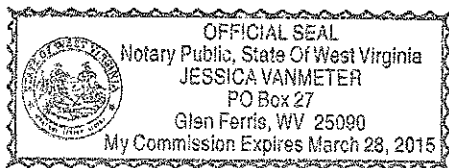
AND NOW, this 31st day of August, in the calendar year of 2010, before me, a duly appointed and commissioned notary public, came the identified subscriber to the within instrument or instruments, and/or the demonstrated attorney-in-fact for said signatory and subscriber on said instrument or instruments, **Roberta Bird, attorney-in-fact of Colonial Surety Company**, an insurance company duly organized and existing under the laws of the Commonwealth of Pennsylvania and which is authorized to conduct business in this State, and that as such being authorized to do so, acknowledged that the within instrument or instruments were executed as the authorized act of his disclosed principal for the purposes therein contained, and declared to be a person executing said instrument or instruments as attorney-in-fact and with full capacity and competency, at the request of and on behalf of Colonial Surety Company therein named and acknowledged to me that the aforesaid Colonial Surety Company had authorized the execution by the aforesaid attorney-in-fact of said instrument or instruments with the intent to be legally bound as required by common and statutory law.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

A Notary Public of West Virginia  
My Commission Expires on 3/28/2015

Notary Public in and for the

County of Fayette  
State of West Virginia



Jessica VanMeter  
NOTARY PUBLIC

**COLONIAL SURETY COMPANY**  
Duncannon, Pennsylvania  
- Inc 1930 -

**FINANCIAL STATEMENT—DECEMBER 31, 2009**

**ASSETS**

*Stocks and Bonds .....	\$ 32,223,342
Cash in Office & Banks .....	3,218,201
Accrued Interest & Dividends.....	337,657
Premiums & Agents Balances Receivable ....	(113,313)
Other Assets .....	1,497,758
.....	
Total Admitted Assets .....	37,163,645

**LIABILITIES & SURPLUS**

Reserve for Unearned Premiums. ....	\$ 5,827,729
Claim Reserves .....	12,748,559
Other Liabilities .....	1,073,980
Collateral Held .....	817,685
Capital Stock .....	3,000,000
Surplus .....	13,695,692
Total Liabilities & Surplus .....	37,163,645

\*Bonds and stocks are valued on basis approved by National Association of Insurance Commissioners.

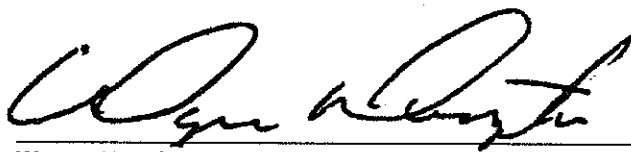
**STATE OF NEW JERSEY**  
**COUNTY OF BERGEN**

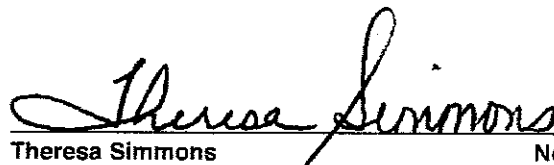
**ss.:**

I, Wayne Nunziata, President of COLONIAL SURETY COMPANY, do hereby certify that the foregoing is a full, true and correct copy of the Financial Statement of said Company, as of December 31, 2009.

IN WITNESS WHEREOF, I have signed this statement at Montvale, New Jersey, this 15th day of February, 2010.



  
Wayne Nunziata President

  
Theresa Simmons Notary Public

**Theresa Simmons**  
**A Notary Public of New Jersey**  
My Commission Expires September 2, 2010





**State of West Virginia**  
**DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT**  
**West Virginia Code §21-1D-5**

STATE OF West Virginia

COUNTY OF Wayne, TO-WIT:

I, Robert D. Hill, after being first duly sworn, depose and state as follows:

1. I am an employee of Danhill Construction Company; and,  
 (Company Name)
2. I do hereby attest that Danhill Construction Company  
 (Company Name)

maintains a valid written drug free workplace policy and that such policy is in compliance with **West Virginia Code §21-1D-5**.

The above statements are sworn to under the penalty of perjury.

Danhill Construction Company  
 (Company Name)

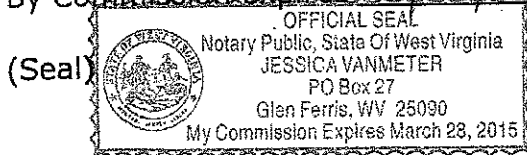
By: Robert D. Hill

Title: President

Date: 8/31/2010

Taken, subscribed and sworn to before me this 31 day of Aug 2010.

By Commission expires 3/28/2015



Jessica VanMeter  
 (Notary Public)

**THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF THE BID.**

RFQ No. DEFK10022STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT**

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

**WITNESS THE FOLLOWING SIGNATURE**Vendor's Name: Danhill Construction CompanyAuthorized Signature: Robert D. Hill Date: 8/3/2010State of West VirginiaCounty of Fayette, to-wit:Taken, subscribed, and sworn to before me this 3 day of August, 2010My Commission expires March 28, 2015

AFFIX SEAL HERE

NOTARY PUBLIC

