



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
DEFK8021

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT 304-558-2544

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIV ENGINEERING & FACILITIES
 NATIONAL GUARD ARMORY
 240 ARMY ROAD

KINGWOOD, WV
 26537 341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/22/2007				

BID OPENING DATE: 09/06/2007 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM #02		
THIS ADDENDUM IS ISSUED TO MODIFY, CLARIFY, ADD TO, AND/OR DELETE REQUIRMENTS OF THE ORIGINAL REQUEST FOR QUOTATION, AND TO EXTEND THE BID OPENING DATE TO SEPTEMBER 6, 2007; 1:30 PM.						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
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TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
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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. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, 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.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
14. **HIPAA Business Associate Addendum** - The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** 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. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** 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.

SIGNED BID TO:

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

Agenda

Re: Pre-Bid Meeting, *Mountaineer Challenge Academy, Camp Dawson, Kingwood, WV*

1. ADMINISTRATIVE:

- a. The Pre-bid meeting for the subject contract at *10:00 am, August 16, 2007*, at the Regional Training Institute, Camp Dawson, Kingwood, WV
- b. Mandatory pre-bid attendance - Sign-In
- c. Funding: State funded, State administrated project.
- d. User: West Virginia Army National Guard
- e. Administrator: Construction & Facilities Management Office, WVARNG

2. INTRODUCTION:

a. C&FMO:

R. HODGES

- i. Address
1703 Coonskin Drive
Charleston, WV 25311
- ii. LTC Craig E. Lambert, CFMO
(304) 561-6450
Contracting Officer
- iii. CPT Rocky Hodges Chief, Design & Construction
(304) 561-6451
Administrative Contracting Officer
- iv. CPT Mike Beckner, Facilities Manager
(304) 561-6333
- v. COL Gary Blackhurst, Environmental Program Management Officer
(304) 561-6445

- b. DIVISION OF PURCHASING:** **PURCHASING REPRESENTATIVE**
- i. Mr. John Abbott
 (304) 558-2544
 (304) 558-4115 (f)
 jabbot@wvadmin.gov
- c. ENGINEER OF RECORD:** **{A/E}**
- i. Address:
Assemblage Architects
- ii. *Hamid Naughani, Principal*

- 3. BIDDING ISSUES** **R. HODGES**
- a. Questions must be submitted to Purchasing Division, attention Mr. John Abbott NLT 4:00pm, 23 Aug 07.
- b. Direct discussion is **not** authorized with the Engineer, the Facilities Engineer, or the Project Manager contact Mr. Abbott.
- c. State Wage Rates Applies
- d. Bid Opening is set for 6 September 2007
- 4. SECURITY/WORK HOURS/ ACCESS TO THE SITE/TEMPORARY FACILITIES** **R. HODGES**
- a. The facility is an extended use facility providing support for both State and Federal missions.
- b. Contractor is required to provide to the CFMO Project Manager, a listing of personnel, which will be gaining access to the site.
- c. Superintendence: In accordance with Contract documents, the Contractor must maintain full-time, active superintendent on the job.
- d. Temporary Facilities: Specification 15000
- i. Job trailer, equipment and material storage located
- ii. Water for Construction
- iii. Contractor must provide
- 5. CONTRACT DURATION LIQUIDATED DAMAGES** **R. HODGES**
- a. Liquidated Damages
- i. Duration of the contract is 680 days from the NTP.

- ii. Liquidated Damages is \$1,500 per day plus one time fixed cost of \$2,500 for Staff Judge Advocate Review. Per Article 9.11.1 Supplement General Provisions and GP 54, "Liquidated Damages".

6. SAFETY

R. HODGES

- a. All construction activities will be in conjunction with OHSA, Safety and Health Requirements Manual (US Army Corps of Engineers) and FFA. As noted, the Army safety and health standards mirror OHSA. 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 OHSA 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 surplus soil material, unsuitable topsoil, obstructions, demolished materials, and waste materials including trash and debris, and legally dispose of them off Owner's property.

7. SUPERVISION OF WORK

R. HODGES

- a. Engineer of Record will be responsible for the observation of Contractor's quality of work. The Engineer of Record will provide recommendations for actions regarding progress payments, change orders, and acceptance of work.

8. ASPECTS OF CONTRACT

R. HODGES

- a. Project Coordination (Correspondence) – Section 1040
- b. Meetings – Section 10200
- c. Submittals – 13300

9. SUBSTITUTIONS

A/E

- a. Substitution requests must be submitted within 60 days of commencement of work.
- b. Substitution requests will only be considered when one or more of the following applies:
 - i. Proposed changes comply with general intent of Contractor Documents.
 - ii. Request is timely and is accompanied with all required documentation per specification section 01631.
 - iii. The specified product cannot be provided within Contract Time. This time will not be considered if Contractor fails to provide proper and timely coordination.

- iv. Governing authority cannot approve the specific product and substitute product can be approved.

10. SUMMARY OF WORK
a. Project Description

A/E

18. CLOSING COMMENTS

R. HODGES

Attachments

A: Attendees List

B: Announcements/Modifications

Cc:
MCA.CP-01.5 Pre-Bid Meeting Notes

ADDENDUM #2

ISSUE DATE: August 17, 2007

PROJECT: MOUNTAINEER CHALLENGE ACADEMY
Camp Dawson
Kingwood, West Virginia

OWNER: West Virginia Army National Guard

ARCHITECT / ENGINEER: Assemblage Architects
410 D'Onofrio Drive, Suite A
Madison, WI 53719
AA No. 2006.06
tel 608-827-5047
fax 608-827-6960

Revise and amend the Project Manual and Drawings all dated July 2, 2007 for Work on the above Project as stated in this Addendum; otherwise the original Project Manual and Drawings shall remain in effect.

This Addendum consists of 3 pages and the following attachments:

PRE BID MEETING NOTES: Attached.

SIGN-IN-SHEETS: Attached.

AFFECTING BIDDING REQUIREMENTS:

Bid Items 25&26: Underground Electric Primary-Type 1, Underground Electric Primary-Type 2,
ADD : "Install 15 KV fused elbows on lines feeding new building. Fused Elbows will be Elustimold EFX or equal. Fuse at 50 AMPS."

AFFECTING CONDITIONS OF THE CONTRACT:

None

AFFECTING SPECIFICATIONS:

- 02-001: Table of Contents-Division 6: Add SECTION 06 20 23 INTERIOR ARCHITECTURAL WOODWORK (Attached)
- 02-002: Section 08 41 13 ALUMINUM FRAMED ENTRANCES AND STOREFRONTS:
a. Paragraph 1.4-P. delete "Large Missile impact: for glazed..." and replace with none.
b. Paragraph 1.4-Q. delete "Small missile impact: for glazed..." and replace with none.
c. Paragraph 2.5-B. delete "Door Construction: 1 ¾" Overall thickness..." and replace with "Door Construction: 2" overall thickness..." .
- 02-003: Section 08 71 00 DOOR HARDWARE: Delete pages 18 through 33 and replace with pages 08 71 00 – 18 through 08 71 00 – 25, attached
- 02-004: Section 11 40 00: Paragraph 1.2 (B) Delete "Owner Furnished Equipment: where..." and replace with "None."

- 02-005: Section 22 11 16 DOMESTIC WATER PIPING: 3.19 PIPING SCHEDULE G.1 delete wording and replace with "Hard copper tube, ASTM B 88, Type L (ASTM B 88M, Type B) cast- or wrought- copper solder-joint fittings; and soldered joints"
- 02-006: Section 22 11 16 DOMESTIC WATER PIPING: 3.19 PIPING SCHEDULE G.2 delete wording and replace with "Hard copper tube, ASTM B 88, Type L (ASTM B 88M, Type B); copper pressure-seal-joint fittings; and pressure-sealed joints"
- 02-007: Section 22 11 16 DOMESTIC WATER PIPING: 3.19 PIPING SCHEDULE H.1 delete wording and replace with "Hard copper tube, ASTM B 88, Type L (ASTM B 88M, Type B); cast- or wrought- copper solder-joint fittings; and soldered joints"
- 02-008: Section 22 11 16 DOMESTIC WATER PIPING: .3.19 PIPING SCHEUDLE H.2 delete wording and replace with "Hard copper tube, ASTM B 88, Type L (ASTM B 88M, Type B); copper pressure-seal-joint fittings; and pressure-sealed joints."
- 02-009: Section 22 11 16 DOMESTIC WATER PIPING: 3.19 PIPING SHCEUDLE H.3 delete wording and replace with " Hard copper tube, ASTM B 88, Type L (ASTM B 88M, Type B); grooved-joint copper-tube appurtenances; and grooved joints

AFFECTING DRAWINGS:

- 02-0010: C101 ARCHITECTURAL SITE PLAN: Revise per SD-01 (attached)
- 02-0011: C570 Miscellaneous Site Details-DETAIL 8: Delete TYPE 1... and replace with "TYPE 1 UNDERGROUND PRIMARY TO: Conduit 1- 3 conductors #2 Aluminum, with EPM or TRXLPE 133% insulation 100% concentric neutral."
- 02-0012: A602 DOOR SCHEDULE:
- a. Door number 118, delete Hardware Set and replace with Hardware Set # 2.2
 - b. Door number 119, delete Hardware Set and replace with Hardware Set # 2.2
 - c. Door number 131-E, delete Hardware Set and replace with Hardware Set # 1.4
 - d. Door number 141-A, delete Hardware Set and replace with Hardware Set # 4.0
 - e. Door number 161-C, delete Hardware Set and replace with Hardware Set # 9.1
 - f. Door number 236, delete Hardware Set and replace with Hardware Set # 1.0
 - g. Door number 245-A, delete Hardware Set and replace with Hardware Set # 8.1
 - h. Door number 245-B, delete Hardware Set and replace with Hardware Set # 8.1
- 02-0013: A545 ARCHITECTURAL SITE DETAILS – PLAZA SHELTER: delete drawing a545 and replace with drawing A545 complete, attached.
- 02-0014: MH301.1 HOT WATER SYSTEM PIPING SCHEMATIC: the secondary piping loop, directly connected to P-3 and P-4 delete 2" and replace with 3".

CLARIFICATIONS TO CONTRACTOR QUESTIONS:

- 02-0015: QUESTION: Gas Regulators are shown on the HVAC equipment and water heaters. Do these regulators need to be vented to the outside of the building?

RESPONCE: The gas regulators shall be vented to the outside. The regulators serving the boilers shall vent at ceiling level through the plan North wall at column line 1. The regulators serving the domestic water heaters shall be vented at ceiling height through the plan East wall at column line K. The regulators serving the kitchen equipment shall be routed up to

above the ceiling and over to penetrate the wall at column line K. All wall penetrations shall be field coordinated with the Architect

02-0016: QUESTION: Natural gas regulators are not shown for the kitchen equipment. Are they required, and do they need vents?

RESPONCE: Regulators are required; regulators should be vented to the outside. Field coordinate vent location in conjunction with the manufacturer's recommendations.

End of Addendum # 2

List of attachments:

Section 06 20 23(8 pages)

Section 08 71 00(pages 18-25)

A 545

SD-01

SD-02

Prebid meeting notes

Sign In Sheets.(2 Pages)

SECTION 06410 - ARCHITECTURAL WOODWORK**PART ONE - GENERAL**

DESCRIPTION

Shop fabricated cabinetwork, counters, bench seats, and other architectural woodwork items.
All plastic laminate work, including cabinetwork, casework, counters, and shelves.
Shop finishing.

RELATED WORK AND REQUIREMENTS

Applicable provisions of Division 1 shall govern Work of this Section.
Section 05500: Miscellaneous Metals
Section 062000: Finish Carpentry.
Section 05400: Cold Formed Metal Framing

REFERENCES

Standards:

FS-L-P-508H - Plastic Sheet, Laminated, Decorative and Non-Decorative.
FS MMM-A-130 - Adhesive, Contact.
PS 1 - Construction and Industrial Plywood.
PS 20 - American Softwood Lumber Standard.
PS 51 - Hardwood and Decorative Plywood.
PS 60 - Basic Hardboard.

AWI- Architectural Woodwork Institute (Current Edition)

"Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program".

NEMA - National Electrical Manufacturers Association

"LD3 - High Pressure Decorative Laminates".

NFPA - National Forest Products Association

"National Design Specification for Stress Grade Lumber and its Fastening".

NPA - National Particleboard Association

DEFINITIONS

Exposed Surfaces: Exposed surfaces shall include portions of casework surfaces visible when doors and drawers are closed; bottoms of casework 42 inches or more above finish floor; tops of casework less than 78 inches above finish floor, or are visible from an upper level or stair after installation; visible surfaces in open casework or behind glass doors; and portions of casework visible when fixed equipment is installed.

Semi-Exposed Surfaces: Semi-exposed surfaces shall include portions of casework surfaces visible when doors and drawers are in the open position; and bottoms of casework are between 30 inches and up to 42 inches above finish floor.

Concealed Surfaces: Concealed surfaces shall include portions of casework surfaces not visible after installation; bottoms of casework less than 30 inches above finish floor; tops of casework over 78 inches above finish floor and not visible from an upper level; and stretchers, blocking and components are concealed by drawers.

SUBMITTALS

Product Data: Submit product data for each product and process specified and incorporated into items of architectural woodwork during fabrication, finishing, and installation.

Quality Certification: Submit woodwork fabricator's certification, stating that fabricated woodwork complies with quality grades and other requirements indicated.

Shop Drawings: Submit shop drawings showing location of each item, dimensioned plans and elevations, large scale details, attachment devices and other components, and schedule of finishes.

Samples: Submit the following samples:

- Plastic laminate, 8 inch x 8 inch for each type, color, pattern and surface finish.
- Exposed cabinet hardware, one unit of each type and finish.
- Drawer body material, 8 inch x 8 inch size.

QUALITY ASSURANCE

AWI Quality Standard: "Architectural Woodwork Quality Standards" of the Architectural Woodwork Institute (AWI) for grades of architectural woodwork, construction, finishes, and other requirements.

Fabricator Qualifications: Firm with minimum 5 years experience in producing architectural woodwork similar in type and quality to those required for this project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units without delaying the Work.

Factory-mark each piece of lumber and plywood with type, grade, mill and grading agency identification; except omit marking from surfaces to receive transparent finish, and submit mill certificate that material has been inspected and graded in accordance with requirements if it cannot be marked on a concealed surface.

DELIVERY, STORAGE, AND HANDLING

Protect woodwork during transit, delivery, storage and handling to prevent damage, soiling and deterioration.

Do not deliver woodwork, until painting, wet work, grinding and similar operations which could damage, soil or deteriorate woodwork have been completed in installation areas. If woodwork must be stored in other than installation areas, store only in areas meeting requirements specified for installation areas.

PROJECT CONDITIONS

Architectural woodwork fabricator and installer shall advise Prime Contractor of temperature and humidity requirements for woodwork installation and storage areas. Do not install woodwork until a minimum temperature of 60 degrees F (16 degrees C) and relative humidity of 25-55 percent have been stabilized and will be maintained in installation and storage areas.

PART TWO - PRODUCTS**MATERIALS****General:**

Provide materials that comply with requirements of the AWI quality standard for each type of woodwork and quality grade indicated and, where the following products are part of interior woodwork, with requirements of the referenced product standards that apply to product characteristics indicated.

Optimum Moisture Content: Kiln-dry architectural woodwork to an average moisture content of 8 percent or as otherwise recommended by applicable Quality Standards for the regional climatic conditions involved.

Dowels: Hardwood

Softwood Plywood: APA A-B EXT - Group 1

Fiberboard: Medium density complying with ANSI A208.2.

Fasteners and Anchorages: Provide all nails, screws, bolts, nuts, washers, and other anchoring devices of the type, size, material, and finish required for application indicated to provide secure attachment, concealed where possible, and complying with applicable Federal Specifications.

Miscellaneous lumber for blocking, furring, cabinet bases: Provide materials and comply with provisions as specified in Section 06100.

MODULAR LAMINATE CLAD ARCHITECTURAL CABINETS

Quality Standards: Comply with AWI Section 1600 "Modular Cabinets" and as specified herein.

Type of Cabinet Construction: Flush overlay.

Core Material: ANSI A208.1, Type M-3 particleboard.

Laminate Cladding: High pressure decorative laminate complying with NEMA LD3 and as follows:

Colors, Patterns and Finishes: As scheduled in Room Finish Schedule.

Exposed Surfaces (other than edges): HPDL VGP (0.027 inch nominal thickness).

Semi-Exposed Surfaces (other than edges): Decorative surface of thermally fused polyester or melamine laminated to core under pressure and complying with NEMA LD3 GP28 and LD3 CL20 standards. Vinyl overlays not acceptable. Painted material not acceptable.

Exposed Edges of Laminated Components:

Body Members, Shelves, Doors and Drawers: 0.5mm PVC edging, hot melt adhesive applied, color to match HPDL, if matching color is not manufactured, A/E to select from not less than 75 colors.

Concealed Laminate: Where balancing sheet is indicated or required by referenced quality standards, provide backer type laminate, grade designation BK-20 (0.020 inch nominal thickness) complying with NEMA LD3 CL20 standards.

CUSTOM LAMINATE CLAD ARCHITECTURAL CASEWORK

Seminar Tables:

Quality Standards: Comply with applicable AWI standards.

Grade: Custom.

Type of Cabinet Construction: Flush overlay.

Core Material: ANSI A208.1, Type M-3 particleboard.

Wood Species for Exposed Surfaces:

Solid Wood: Select white maple, plain sawn.

Plywood: Select white maple, plain sawn, book matched veneer.

Laminate Cladding: High pressure decorative laminate complying with NEMA LD3 and as follows:

Colors, Patterns and Finishes: As scheduled in Room Finish Schedule.

Horizontal Surfaces: HGS (0.048 inch nominal thickness).

Postformed Surfaces: HGP (0.039 inch nominal thickness).

Vertical Surfaces: VGP (0.027 inch nominal thickness).

Semi-Exposed Surfaces (other than edges): Decorative surface of thermally fused polyester or melamine laminated to core under pressure and complying with NEMA LD3 GP28 and LD3 CL20 standards. Vinyl overlays not acceptable. Painted material not acceptable.

Edge Treatment of Exposed and Semi-Exposed Components: Laminate matching exposed or semi-exposed panel surfaces, unless otherwise indicated. Ease exposed edge of overlap sheet.

Concealed Laminate: Where balancing sheet is indicated or required by referenced quality standards, provide backer type laminate, grade designation BK-20 (0.020 inch nominal thickness) complying with NEMA LD3 CL20 standards.

THICKNESS AND MATERIALS FOR LAMINATE CLAD CABINET COMPONENTS

<u>CABINET COMPONENTS</u>	<u>MATERIALS</u>	<u>MINIMUM THICKNESS OF MATERIALS</u>
Body Members	Panels	3/4 inch
Rails	Solid Lumber or Panel	3/4 inch
Shelves NOTE: Shelves exceeding spans indicated require additional support	Panels Medium Density Particle board or Fiberboard	3/4 inch for spans up to 32 inch 1 inch for spans up to 42 inch
Backs	Panels	3/8 inch
Drawer Sides, Backs, and Subfronts	Solid Lumber or Particleboard Panel	1/2 inch Lumber 1/2 inch (50# density or more)
Drawer Bottoms	Panels	3/8 inch
Drawer Fronts	Panels	3/4 inch
Doors	Panels	3/4 inch; up to 30 inches wide by 80 inches high 1 inch; over 30 inches wide by 80 inches high

CUSTOM WOOD ARCHITECTURAL CASEWORK

General:

Quality Standards: Comply with applicable AWI standards

Corridor Bench:

Grade: Custom.

Core Material: Hardwood plywood.

Wood Species for Exposed Surfaces:

Solid Wood: Select white maple, Grade I, plain sawn. Nominal 5/4 finish thickness.

Plywood: Select white maple, plain sawn, book matched veneer.

Gluing For Width: Provide only where indicated on Drawings. Nominal 4 inch wide members, full length boards only, no butt joints. Lay out boards such that no single board is of less than half the width of other boards.

Edge Treatment: Lumber matching wood veneer face for species and cut.

Wood Species for Semi-Exposed Surfaces: Match species and cut indicated for exposed surfaces.

Concealed Surfaces: Solid hardwood or hardwood plywood, any specie.

Grain Matching: Run and match grain vertically (horizontally) for drawer fronts, doors, and fixed panels.

ARCHITECTURAL CABINET TOPS, COUNTERS, SHELVES, AND STOOLS

General:

Quality Standards: Comply with AWI Section 400 "Architectural Cabinets" and Section 400C "Countertops".

Laminate Clad Tops:

Grade: Custom.

Core Material: ANSI A208.1, Type 2-M-2 particleboard (1 inch thick).

Laminate Cladding: High pressure decorative laminate complying with NEMA LD 3 and as follows:

Colors, Patterns and Finishes: As scheduled in Room Finish Schedule.

Horizontal Surfaces: HGS (0.048 inch nominal thickness).

Postformed Surfaces: HGP (0.039 inch nominal thickness).

Edge Treatment: Same as laminate cladding on horizontal surfaces.

CABINET HARDWARE

Drawer Slides	Accuride 7432; except Accuride 3640 Series for drawers over 24 inches wide.
Pulls	Stanley 4484 x US26D
Hinges	Grass 3903 Series, self-closing, number of hinges per door as follows: 2 per door up to 24 inches wide by 35-1/2 inches high 3 per door up to 24 inches wide by 63 inches high 4 per door up to 24 inches wide by 78-3/4 inches high 5 per door up to 24 inches wide by 94-1/2 inches high
Hinges (B.F. Sink Cab.)	Blum Clip 170, free-swing, 2 hinges per panel.
Press-Fit Fasteners	HAFELE Keku press-fit fasteners, 2 fasteners per panel, black.
Shelf Support	Double pin design with anti-tip shelf restraints, equivalent to Bainbridge Manufacturing 3220CL. Phone (800) 255-4702.
Catches	Stanley SP 46

Closet Rod	KV 770-5 CHR with KV 764/766 CHR flanges
Shelf Standards	KV 87 ANO
Shelf Brackets	KV 187LL ANO
Grommets	Purpose made round wire management grommets; black
Label Holder	Purpose made card holder at each opening on mailboxes; brass

Manufacturer's specified above to indicate quality and function. Other manufacturer's equivalent products may be used.

Accessories:

Stainless Steel: 14 gauge, Type 304 stainless steel with No. 6 finish on all exposed surfaces and edges.

Aluminum Plate/Extrusions: Provide size and type as indicated on Drawings. Finish: Clear anodized.

Reveal Trim: Fry Reglet Corporation styles as indicated on Drawings, extruded 6063-T5 alloy aluminum sections with clear anodized finish. Equivalent trim sections as manufactured by MM Systems Corporation and Gordon, Inc. also acceptable.

FABRICATION

General:

Fabricate architectural woodwork to dimensions, profiles, and details indicated with openings and mortises precut, where possible, to receive hardware and other items and work.

Complete fabrication, assembly, finishing, hardware application, and other work before shipment to project site to maximum extent possible. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.

Pre-Cut Openings: Fabricate architectural woodwork with pre-cut openings, where possible, to receive hardware, appliances, plumbing fixtures, electrical work and similar items. Locate openings accurately from on-site dimensions and use templates or roughing-in diagrams for proper size and shape. Smooth edges of cutoffs and, where located in countertops and similar exposures seal edges of cutouts with a water-resistant coating.

Measurements: Before proceeding with fabrication of woodwork required to be fitted to other construction, obtain field measurements and verify dimensions and shop drawing details as required for accurate fit.

JOINERY AND FASTENING OF CASE BODY MEMBERS

Fixed case body members (shelves, bottoms, tops and rails which are fastened to sides, ends and dividers) shall be joined using concealed dado, or dowel matched or interlocking mechanical fasteners. Where the concealed dado and dowel methods are employed, cases shall be assembled utilizing glue and pressure. The dado method must be reinforced with blind nailing or screwing.

No nails, screws or other fastenings may be visible on exposed surfaces. On semi-exposed surfaces, mechanical fasteners may be visible.

Rails or top panels must be provided where case will have a separate top in order to permit concealed fastening of the separate top through such rails.

Where not in violation of design, surfaces of intersecting body members may be set back not to exceed 1/8 inch, provided setback is constant.

SHOP FINISHING

Preparations for Finishing: Set exposed nails and screws. Apply wood filler in exposed nail and screw. Comply with referenced quality standard for sanding, filling countersunk fasteners, sealing concealed surfaces, and similar preparations for finishing architectural woodwork, as applicable to each unit of work.

General:

Comply with AWI Section 1500, unless otherwise indicated. Provide finishes of same grades as items to be finished.

Finish architectural woodwork at fabrication shop as specified in this Section. Defer only final touchup, cleaning, and polishing until after installation.

Backpriming: Apply one coat of sealer or primer, compatible with finish coats, to concealed surfaces of woodwork. Apply two coats to back of paneling and to end-grain surfaces. Concealed surfaces of plastic-laminate-clad woodwork do not require backpriming when surfaced with plastic laminate, backing paper, or thermoset decorative overlay.

Staining: Match Architect's sample.

Finish System: AWI Finish System TR-4: Conversion varnish, satin.

PART THREE - EXECUTION

INSTALLATION

General:

Deliver all Work of this Section to Section 062000 contractor for installation.

Condition architectural woodwork to average prevailing humidity conditions in installation areas prior to installing.

Quality Standard: Install woodwork to comply with AWI Section 1700 for the same grade specified in PART TWO of this Section for type of woodwork involved.

Installation Procedures:

Install architectural woodwork plumb, level, true and straight with no distortions. Shim as required using concealed shims. Install to a tolerance of 1/8 inch in 8 feet for plumb and level (including tops); and with no variations in flushness of adjoining surfaces.

Scribe and cut architectural woodwork to fit adjoining work, leaving gaps of 1/32 inch maximum, and refinish cut surfaces or repair damaged finish at cuts. Do not use additional overlay trim for this purpose.

Anchor architectural woodwork to anchors or blocking built-in or directly attached to substrates. Secure to grounds, stripping and blocking with countersunk, concealed fasteners and blind nailing as required for a complete installation. Except where prefinished matching fasteners heads are required, use fine finishing nails for exposed nailing, countersunk and filled flush with woodwork, and matching final finish where transparent finish is indicated.

Cabinets: Install without distortion so that doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete the

installation of hardware and accessory items as indicated. Maintain veneer sequence matching (if any) of cabinets with transparent finish.

Tops: Anchor securely to base units and other support systems as required. Caulk space between backsplash and wall with sealant.

CLEANING, ADJUSTMENT, AND PROTECTION

Cleaning: Clean all work of this Section prior to acceptance by Owner. Repair damaged and defective architectural woodwork where possible to eliminate defects functionally and visually. Where not possible to repair, replace woodwork at no cost to Owner. Adjust joinery for uniform appearance.

Adjustment: Clean, lubricate and adjust hardware for proper operation.

Protection: Protect all work of this Section until acceptance by Owner. Advise Prime Contractor of final protection and maintained conditions necessary to ensure that architectural woodwork will be without damage or deterioration at time of acceptance.

End of Section

3.8 DOOR HARDWARE SETS

SET #1.0 - Conference Rooms

Doors: 241, 232-A, 236

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8237 LNJ	26D	SA
1Wall Bumper	1278CXMS	626	TR

SET #1.1 - Classrooms

Doors: 125, 171, 173, 178, 116

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8237 LNJ	26D	SA
1Kickplate	KP50	US32D	MC
1Wall Bumper	1278CXMS	626	TR

SET #1.2 - Classrooms with OH Stops

Doors: 174, 175, 176, 177, 179, 172

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8237 LNJ	26D	SA
1Kickplate	KP50 10" H x 2" LDW	US32D	MC
1Overhead Stop	2 series concealed overhead stop	630	RX

SET #1.3 - Copy room

Doors: 223-A, 223-B, 131-E

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8237 LNJ	26D	SA
1Overhead Stop	2 series concealed overhead stop	630	RX

SET #1.4 - Classroom with closer and Conc OH Stop

Doors: 151-C, 133-C, 132, 131-E

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8237 LNJ	26D	SA
1Closer 351 O	EN	SA	
1Overhead Stop	2 series concealed overhead stop	630	RX
1Kickplate	KP50 10" H x 2" LDW	US32D	MC

SET #1.5 - Classroom with closer with stop

Doors: 151-B, 131-F

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8237 LNJ	26D	SA
1Closer 351 PS	EN	SA	
1Kickplate	KP50 10" H x 2" LDW	US32D	MC

SET #2.0 - Toilets

Doors: 114, 112, 243, 244, 231, 115

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Privacy Set	8265 LNJ	26D	SA
1Closer 351 O	EN	SA	
1Kickplate	KP50 10" H x 2" LDW	US32D	MC
1Wall Bumper	1278CXMS	626	TR

SET #2.1 - Toilet without closers

Doors: 118, 119

3Hinges	TA2314 4 1/2 X 4 1/2	32D	MC
1Privacy Set	8265 LNJ	63D	SA
1Wall Bumper	1278CXMS	63D	TR

SET #3.0 - Offices

Doors: 143, 144, 145, 146, 155, 224, 225, 226, 227, 228, 229, 230, 232-B, 234, 238, 239, 240, 142

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8205 LNJ	26D	SA
1Wall Bumper	1278CXMS	626	TR

SET #4.0 - Storage

Doors: 126, 233, 235, 124, 127, 141-A

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8204 LNJ	26D	SA
1Closer 351 O	EN	SA	
1Wall Bumper	1278CXMS	626	TR

SET #4.1 - Single Doors with Card readers

Doors: 113-B, 136, 202, 113-A

3Hinges	TA2714 4 1/2 X 4 1/2 (NRP at 202)	26D	MC
1Lockset	63 8204 LNJ	26D	SA
1Closer 351 O	EN	SA	1
Kickplate	KP50 10" H x 2" LDW	US32D	MC
1Electric Strike	1006	630	HS
1Wall Bumper	1278CXMS	626	TR
1Card reader by others	CARD READER BY OTHERS	XXXX	
1Power Controller	2005	HS	

SET #4.2 - Storerooms

Doors: 131-D, 121-B

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8204 LNJ	26D	SA
1Closer 351 PS	EN	SA	

SET #4.3 - Single door with card reader and OH stop

Doors: 133-A, 134, 141-B, 101-B

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8204 LNJ	26D	SA
1Closer 351 O	EN	SA	
1Overhead Stop	2 series concealed overhead stop	630	RX
1Electric Strike	1006	630	HS
1Power Controller	2005	HS	
1Card reader by others	CARD READER BY OTHERS	XXXX	

SET #4.4 - Storage with OH Stop

Doors: 141-A

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Lockset	63 8204 LNJ	26D	SA
1Closer 351 P10	EN	SA	
1Overhead Stop	2 series concealed overhead stop	630	RX

SET #5.0 - Break Rooms

Doors: 237

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Passage Set	8215 LNJ	26D	SA
1Closer 351 O	EN	SA	
1Wall Bumper	1278CXMS	626	TR

SET #6.0 - Public Bathrooms

Doors: 109, 117, 120, 108

3Hinges	TA2314 4 1/2 X 4 1/2	32D	MC
1Closer 351 O	EN	SA	
1Pull Plate	1014-3B	630	TR
1Push Plate	1001-3	630	TR
1Kickplate	10" H x 2" LDW	US32D	MC
1Wall Bumper	1278CXMS	626	TR

SET #7.0 - Interior Gym Doors Pairs

Doors: 102-D, 102-C

8Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
2Exit Device	63 NB 8713 E ETL	32D	SA
2Closer 351 CPSH	EN	SA	
2Kickplate	KP50 10" H x 2" LDW	US32D	MC
2Wall Bumper	1278CXMS	626	TR

SET #7.1 - Exterior Pair of Gym Doors

Doors: 131-B, 131-A

2Closer 351 P10	EN	SA	
6Hinges	TA2314 4 1/2 X 4 1/2 NRP	32D	MC
2Overhead Stop	1 series concealed overhead stop	630	RX
2Exit Device	63 8413 E LESS TRIM	32D	SA
2Door Pull	1191-2	630	TR
1Weatherstrip	2891 APK	PE	
2Astragal	305 CN	PE	
1Threshold	271 A PEMKOTE	PE	
2Door Shoe	217 AV	PE	

SET #8.0 - Single door with rim panic devices

Doors: 161-A

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Closer 351 PS	EN	SA	
1Exit Device	63 8813 E ETL	32D	SA
1Kickplate	KP50 10" H x 2" LDW	US32D	MC
1Electric Strike	9600	US32D	HE
1Card reader by others	CARD READER BY OTHERS	XXXX	

SET #8.1 - Interior Stairwell door – fire rated condition

Doors: 205-B, 245-AM 245-B

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Exit Device	12 - 63 8813 E ETL	32D	SA
1Closer 351 O	EN	SA	
1Wall Bumper	1278CXMS	626	TR

SET #9.0 - Exterior Single door

Doors: 161-C, 205-A, 131-G

3Hinges	TA2314 4 1/2 X 4 1/2 NRP	32D	MC
1Exit Device	8410 E (alum doors) 8810 E (hollow metal doors)	32D	SA
1Closer 351 P10	EN	SA	
1Overhead Stop	1 series concealed overhead stop	630	RX
1Door Shoe	217 AV	PE	
1Threshold	271 A PEMKOTE	PE	
1Weatherstrip	2891 APK	PE	

NOTE: Exit Only Exit Device

SET #10.0 - Interior Single ADAF

Doors: 107-B

1Pivot Set	147 3/4" OFFSET	626	RX
1Side Pivot	M19	626	RX
1Inactive Push Bar	8893 E	32D	SA
1Door Pull	1191-2	630	TR
1Closer 351 P10	EN	SA	
1Overhead Stop	2 series concealed overhead stop	630	RX

SET #10.1 - Pair of Interior ADAF

Doors: 110-B, 103-B

2Pivot Set	147 3/4" OFFSET	626	RX
2Side Pivot	M19	626	RX
2Inactive Push Bar	8893 E	32D	SA
2Closer 351 P10	EN	SA	
2Door Pull	1191-2	630	TR
2Overhead Stop	2 series concealed overhead stop	630	RX

SET #11.0 - Exterior Pair of ADAF w/card reader

Doors: 110-A, 103-A

2Pivot Set	147 3/4" OFFSET	626	RX
3Side Pivot	M19	626	RX
1Exit Device	56 63 8713 E LESS TRIM	32D	SA
1Exit Device	8710 (Exit Only)	32D	SA
1Door Pull	1191-2 (at active leaf)	63D	TR
2Closer 351 P10	EN	SA	
2Overhead Stop	1 series concealed overhead stop	630	RX
1Threshold	271 A PEMKOTE	PE	
1Power Supply	BPS-24-4	SN	
1Electric Pivot	EM19 6 WIRES	626	RX
1Card reader by others	CARD READER BY OTHERS	XXXX	
2WEATHERSTRIPPING BY OTHERS		WSBY	

NOTE: Card reader retracts latchbolt on left hand leaf

SET #11.1 - Exterior Pair of MDMF with card reader

Doors: 104

7Hinges	TA2314 4 1/2 X 4 1/2	32D	MC
1Exit Device	56 63 8713 E LESS TRIM	32D	SA
1Exit Device	8710	32D	SA
2Closer 351 P10	EN	SA	
2Overhead Stop	1 series concealed overhead stop	630	RX
2Door Pull	1193-2	630	TR
2Weatherstrip	2891 APK	PE	
2Kickplate	KP50 10" H x 2" LDW	US32D	MC
2Astragal	305 CN	PE	
1Electric Hinge	TA2314 4 1/2 X 4 1/2 CC8 24" Lead Wires	32D	MC
2Door Shoe	217 AV	PE	
1Power Supply	BPS-24-4	SN	
1Threshold	271 A PEMKOTE	PE	
1Card reader by others	CARD READER BY OTHERS	XXXX	

NOTE: Card reader to operate latch bolt on exit device on right door

SET #11.2 - Exterior pair of MDMF with Card reader

Doors: 151-A

7Hinges	TA2314 4 1/2 X 4 1/2	32D	MC
1Exit Device Night Latch Less O	56 63 8713 E LESS TRIM	32D	SA
1Exit Device Exit Only	8710 E	32D	SA
2Closer 351 P10	EN	SA	
2Door Pull	1193-2	630	TR
2Kickplate	KP50 10" H x 2" LDW	US32D	MC
1Card reader by others	CARD READER BY OTHERS	XXXX	
2Overhead Stop	1 series concealed overhead stop	630	RX
2Astragal	305 CN	PE	
2Door Shoe	217 AV	PE	
1Threshold	271 A PEMKOTE	PE	
1Electric Hinge	TA2314 4 1/2 X 4 1/2 CC8 24" Lead Wires	32D	MC

NOTE: Card reader to operate latch bolt on exit device for entry

SET #12.0 - Exterior ADAF with card reader

Doors: 101-A

1Pivot Set	147 3/4" OFFSET	626	RX
1Side Pivot	M19	626	RX
1Exit Device	63 8813 E less trim	32D	SA
1Card reader by others	CARD READER BY OTHERS	XXXX	
1Power Supply	BPS-24-4	SN	
1Overhead Stop	1 series concealed overhead stop	630	RX
1Electric Strike	9600 12/24VDC	630	HS
1Door Pull	1191-2	630	TR
1Threshold	271 A PEMKOTE	PE	
1WEATHERSTRIPPING BY OTHERS		WSBY	

NOTE: Card reader to operate electric strike for entry

SET #13.0 - Single exterior ADAF

Doors: 107-A

1Pivot Set	147 3/4" OFFSET	626	RX
1Side Pivot	M19	626	RX
1Closer 351 P10	EN	SA	
1Exit Device	63 8804 E less Trim	32D	SA
1Door Pull	1191-2	630	TR
1Overhead Stop	1 series concealed overhead stop	630	RX
1Electric Strike	9600 12/24VDC	630	HS
1Card reader by others	CARD READER BY OTHERS	XXXX	
1Power Controller	2005	HS	
1Threshold	271 A PEMKOTE	PE	
1WEATHERSTRIPPING BY OTHERS		WSBY	

NOTE: Card reader to operate electric strike for entry

SET #14.0 - Double Cylinder Deadbolt for Gym entry

Doors:

3Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1Deadlock	63 4874	32D	SA
1Pull Plate	1014-3B	630	TR
1Push Plate	1001-3	630	TR
1Closer 351 H	EN	SA	
1Kickplate	10"H x 2" LDW	US32D	MC
1Wall Bumper	1278CXMS	626	TR

SET #15.0 - Exterior Mechanical room door

Doors: 121-A

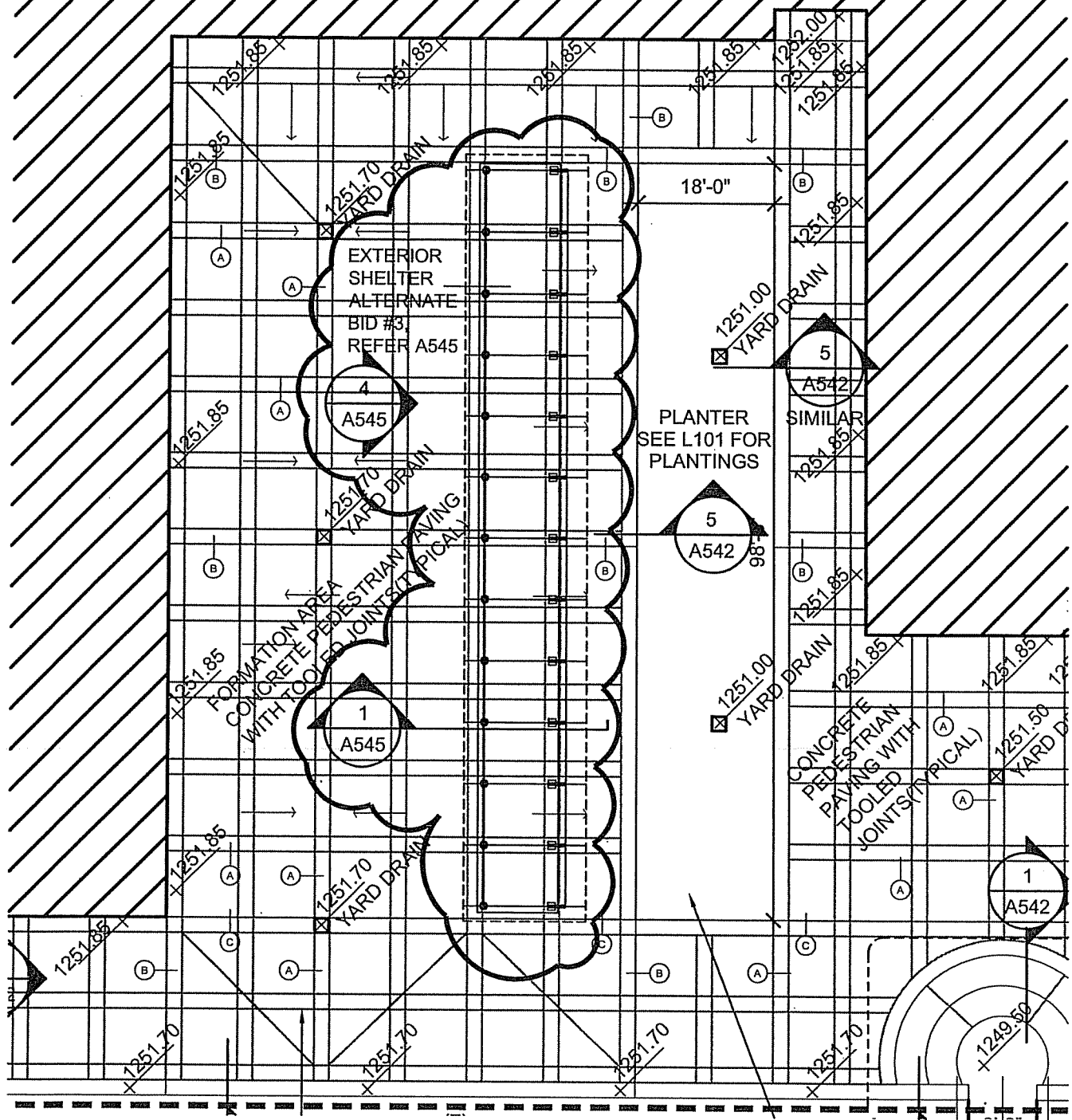
3Hinges	TA2314 4 1/2 X 4 1/2 NRP	32D	MC
1Lockset	63 8206 LNJ	26D	SA
1Closer 351 P10	EN	SA	
1Door Pull	1193-2	630	TR
1Kickplate	10" H x 2" LDW	US32D	MC
1Overhead Stop	1 series concealed overhead stop	630	RX
1Weatherstrip	2891 APK	PE	
1Door Shoe	217 AV	PE	
1Threshold	271 A PEMKOTE	PE	

SET #15.1 - Exterior Mechanical Room DRS on Roof

Doors: 212,

3Hinges	TA2314 4 1/2 X 4 1/2 NRP	32D	MC
1Lockset	63 8204 LNJ	26D	SA
1Closer 351 P10	EN	SA	
1Overhead Stop	1 series concealed overhead stop	630	RX
1Door Shoe	217 AV	PE	
1Threshold	271 A PEMKOTE	PE	
1Weatherstrip	2891 APK	PE	

END OF SECTION 087100



1 ARCHITECTURAL SITE PLAN
20' = 1'-0"

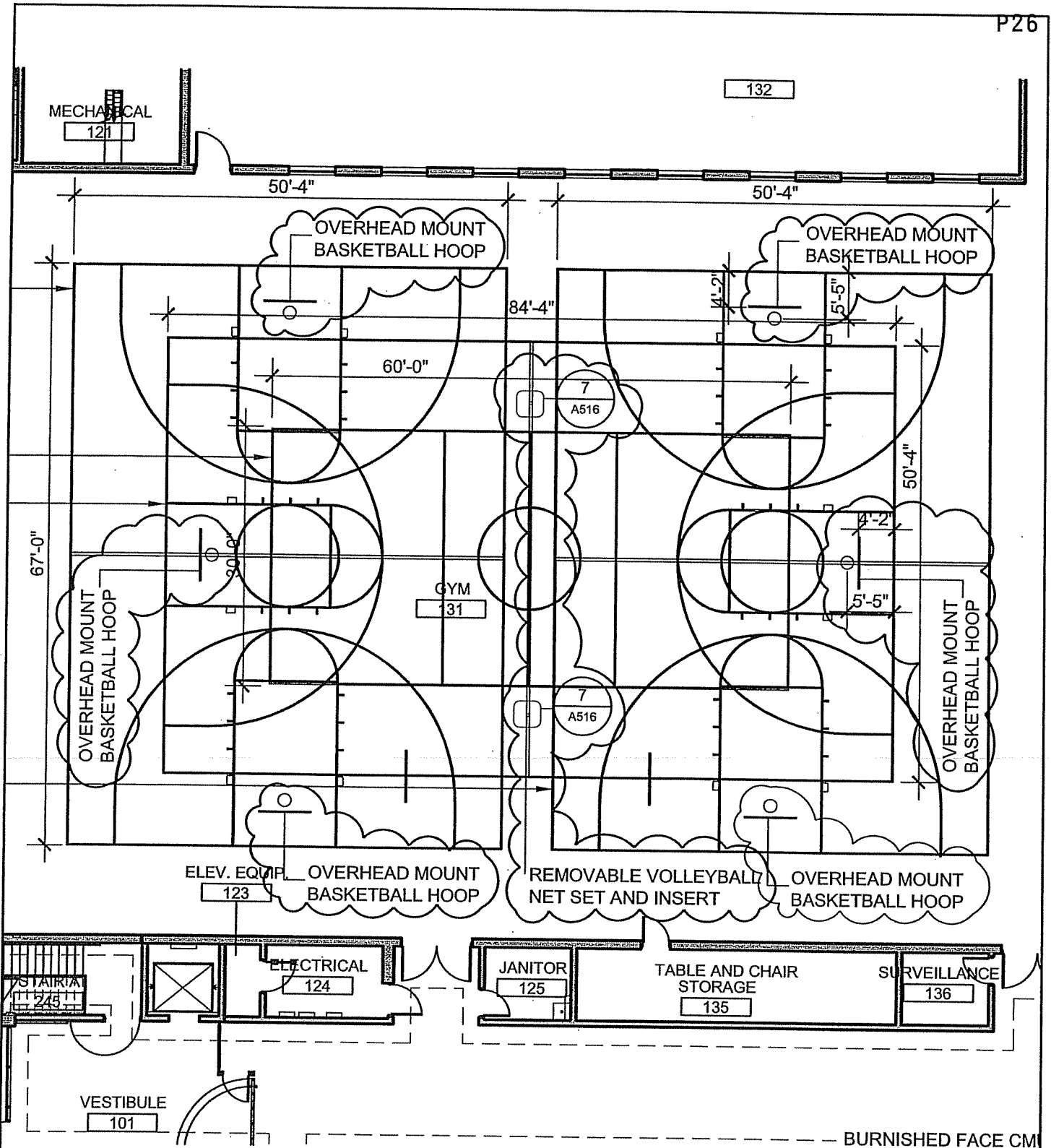
Mountaineer Challenge Academy

West Virginia
Army National Guard
Camp Dawson Kingwood, WV

ASSEMBLAGE
ARCHITECTS
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Madison, WI 53719
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Project number 2006.06.00
Date August 17, 2007
C101 ARCHITECTURAL SITE PLAN

SD-01



1 FIRST FLOOR FINISH PLAN
1/16" = 1'-0"

Mountaineer Challenge Academy

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Project number	2006.06.00
Date	August 17, 2007
A701 FIRST FLOOR ROOM FINISH PLAN	

SD-02

Pre-bid Meeting Notes: August 16, 2007 10 AM RTI Camp Dawson, WV.

Sign in sheet was distributed and signed, see attached.

CPT Hodges introduced the project team and explained the following project information:

1. Bid Opening September 6, 2007—1:30 PM.
2. If the base has to be shut down for security reasons additional contract time will be granted.
3. The owner expect a full time superintendent is required
4. Temporary facility requirements are identified in the specification.
5. All utility interruption will require a 72 hour notice to the base engineer.
6. Water is available to contractor through exiting water system with metering provided by the contractor.
7. The contractor is required to provide staff names in advance so that the base security can grant access.
8. The work hours are not limited to normal work hours as long as the base engineer is informed in advance.
9. Liquidated damages in are identified in the specification.
10. Contract is for 680 days
11. Access to site controlled by superintendent.
12. Hard hats are required
13. Since this is a working base clean up at the end of each day is required.
14. Contractor staff may utilize base housing according to availability, and at relevant rates.
15. Refer to each specification section for meeting and submittal requirements.
16. All questions shall be addressed to Mr. John Abbott though his email:
jabbott@wvadmin.gov.
17. Questions regarding mechanical piping, Gym equipment, Casework specification, were asked and are responded within the addendum relevant sections.
18. Building site was visited by the attendees.

Notes taken by: Hamid Noughani, AIA
Assemblage Architects
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END OF NOTES.

West Virginia Army National Guard-Mountaineer Challenge Academy

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