

PROJECT: THE HAGEDORN AVIATION COMPLEX

OWNER: EMBRY RIDDLE AERONAUTICAL UNIVERSITY
600 S. Clyde Morris Blvd.
Daytona Beach, Florida 32114

ARCHITECT: HAWKINS, HALL, & OGLE ARCHITECTS, INC.
208 Magnolia Avenue
Daytona Beach, Florida 32114
386-255-6163 Fax: 386-257-5650

ADDENDUM NUMBER 1 DATED 23 December 2009

This addendum is part of the Contract Documents and modifies the Project Plans and Specifications as follows:

- A1.1 SPECIFICATIONS: TABLE OF CONTENTS
Replace pages 1 & 2 with those attached, they have been revised to include 00410 Bid Form and 00420 Contractors Direct Material Purchase Affidavit.
- A1.2 SPECIFICATIONS: SECTION 00410 – BID FORM
Section is being issued for the first time.
- A1.3 SPECIFICATIONS: SECTION 00420 – CONTRACTOR’S DIRECT MATERIAL PURCHASE AFFIDAVIT
Section is being issued for the first time.
- A1.4 SPECIFICATIONS: SECTION 00700 – AIA DOCUMENT A201-2007
Add the following article to page 13:

3.4.4 OWNER DIRECT PURCHASE

3.4.4.1 The Owner is tax exempt and may wish to exercise its right to purchase directly various construction materials, supplies and equipment that may be part of this Contract. The Owner will, via its purchase orders, purchase that material and the Contractor shall assist the Owner in the preparation of purchase orders. The Owner may direct the Contractor to prepare the purchase order on the Owner's form and make ready for verification and execution by the Owner. The materials shall be purchased from the vendors / suppliers originally selected by the Contractor, for the price originally negotiated by the Contractor. The Owner and Contractor shall agree to the materials, supplies and equipment that will be purchased directly. Materials, supplies and equipment must be a permanent part of the construction and under no circumstances shall tools for the Contractor or Subcontractors be considered for direct purchase.

3.3.4.2 At a time deemed acceptable to the Owner, the Contract amount shall be reduced by the net, undiscounted amount of the purchase order, plus all sales tax as levied. Issuance of the purchase orders by the Owner does not change any of the Contractor's responsibilities regarding material purchases, or installations, with the exception of the payments for the materials purchased. The Contractor remains

responsible for coordination, correct quantities ordered, submittals, protection, storage, scheduling, shipping, security, expedition, receiving and unloading, certifying the accuracy of shipping tickets and invoices, installation, cleaning, all applicable warranties and that all materials purchased meet the requirements of the Contract Documents. The Contractor shall certify all invoices as accurate and acceptable and forward to the Owner the certified invoices for payment by the Owner.

3.4.4.3 In the event the materials, supplies or equipment purchased under this option are defective or rejected for any reason whatsoever, and it becomes necessary in the opinion of the Contractor to initiate legal action against the responsible party, the Owner agrees to assign and subordinate to the Contractor any claims the Owner has against the responsible party resulting from the purchase order and to execute any legal documents necessary to accomplish the assignment, subordination or subrogation of such claims, and to cooperate with the Contractor in such legal action.

3.4.4.4 The Contractor agrees to execute the attached Contractor's Direct Material Purchase Affidavit and to submit the affidavit to the Owner along with the list of materials, supplies and equipment as agreed to between the Owner and Contractor. Tax savings shall be returned to the owner via change order in total.

A1.5 SPECIFICATIONS: SECTION 01015 – SCHEDULE OF DRAWINGS

Section is being reissued in its entirety with missing structural drawings added.

A1.6 SPECIFICATIONS: SECTION 10100 – VISUAL DISPLAY BOARDS

Replace page 1 with that attached. The list of manufacturers has been revised.

A1.7 DRAWINGS: SHEET A3.3

Detail reference at Mechanical Equipment Screen Enclosures referenced on the North Elevation should read 1/A2.12.5 in lieu of 7/A2.12.2 previously indicated.

A1.8 DRAWINGS: SHEET S3.0.1 SCHEDULES - COMMON

At the footing schedule add the following footing type:

WF1.5 - 12"depth – 1'-6"wide x cont. - w/ (3)-#5 cont. and #4's @ 36" o.c. transverse.

END OF ADDENDUM NO. 1

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BID FORM

EMBRY RIDDLE AERONAUTICAL UNIVERSITY

To: Embry Riddle Aeronautical University
600 S. Clyde Morris Blvd.
Daytona Beach, Florida 32114

The Undersigned, having become familiarized with the local conditions affecting the cost of the work and with the Drawings and Specifications as prepared by Hawkins, Hall & Ogle Architects, Inc. hereby submits the following proposal:

PROJECT: The Hagedorn Aviation Complex

I (We) propose to furnish all labor, materials, equipment and services necessary for the completion of the above project, all in accordance with the Drawings and Specifications hereof, including any addenda issued, as indicated below.

BASE BID:

As shown on the drawings and specifications, the sum of _____ Dollars, (\$_____).

ALTERNATE NO. 1: *(Indicate the amount by which to adjust the Base Bid to provide a cellular lightweight insulating concrete system for all lightweight concrete roof areas, in lieu of the specified vermiculite based system specified in 03520).*

If the owner elects to proceed with Alternate No. 1, as described in the Contract Documents, add deduct the sum of _____ Dollars, (\$_____).

ALTERNATE NO. 2: *(Indicate the amount by which to adjust the Base Bid to utilize resilient flooring as specified in 09650 in lieu of the epoxy terrazzo as specified in 09440 where indicated on the contract documents).*

If the owner elects to proceed with Alternate No. 2, as described in the Contract Documents, add deduct the sum of _____ Dollars, (\$_____).

ALTERNATE NO. 3: *(Indicate the amount by which to adjust the Base Bid to utilize paper faced mold/mildew resistant gypsum wallboard at the interior face of all exterior walls in lieu of the glass mat faced product as specified in 09260).*

If the owner elects to proceed with Alternate No. 3, as described in the Contract Documents, add deduct the sum of _____ Dollars, (\$_____).

Bid security in an amount equal to 5% of the total bid proposal is enclosed with the understanding that this proposal shall remain in full effect for a period of 60 days starting at the bid opening date and time.

The undersigned agrees to commence work under this Contract on or before a date to be specified by written Notice to Proceed, and to substantially complete the project within the following time frames (days shown are from notice to proceed):

Hangar Building – 200 consecutive calendar days
Flight Operations Building – 450 consecutive calendar days
Phase 2 Sitework – 540 consecutive calendar days

Bidder acknowledges receipt of the following addenda:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

In submitting this proposal, it is understood that the Owner reserves the right to accept or reject any or all proposals and is not obligated to accept the lowest responsive bid.

OFFICIAL ADDRESS:

_____	By: _____

_____	_____
_____	(Name, Title)

CONTRACTOR'S DIRECT MATERIAL PURCHASE AFFIDAVIT

EMBRY RIDDLE AERONAUTICAL UNIVERSITY

STATE OF FLORIDA
COUNTY OF VOLUSIA

COMES NOW _____, and after being duly sworn, does
depose and state as follows:

1. My name is _____ and I am employed in the position
of _____ for _____
(Contractor)
2. I am over the age of eighteen years and I have personal knowledge of the facts
stated herein.
3. All of the materials which Embry Riddle Aeronautical University has purchased
directly for the project known as The Hagedorn Aviation Complex, and pursuant
to AIA Document A201-207, Article 3.4.4 (as modified by the Owner) have been
purchased from the subcontractors, suppliers or vendors who provided bids to
Contractor for this project and whose bids were relied upon by the Contractor in
submitting its bid to Embry Riddle Aeronautical University.
4. All materials purchased directly by Embry Riddle Aeronautical University from
the Contractor's subcontractors, suppliers and vendors were purchased at or
below the price originally negotiated for by the Contractor.

FURTHER AFFIANT SAYETH NAUGHT _____

Sworn to and subscribed before me this _____ day of _____ .

Signature of Notary Public, State of Florida

Print, Type or Stamp Commissioned
Name of Notary Public

Personally known _____ or Produced Identification _____

Type of I.D. produced _____

SECTION 01015- SCHEDULE OF DRAWINGS

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CIVIL

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S6.2.10	PRECAST STAIR PLANS – AMS LABORATORY BUILDING
S6.2.11	PRECAST STAIR PLANS – AMS LABORATORY BUILDING
S7.0.1	ROOF FRAMING DETAILS AND SECTIONS - COMMON
S7.0.2	ROOF FRAMING DETAILS AND SECTIONS - COMMON
S7.1.1	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT OPS CENTER
S7.1.2	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT OPS CENTER
S7.1.3	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT OPS CENTER
S7.1.4	PENTHOUSE FRAMING DETAILS AND SECTIONS – FLIGHT OPS CENTER
S7.1.5	PENTHOUSE FRAMING DETAILS AND SECTIONS – FLIGHT OPS CENTER
S7.1.6	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT CONTROL TOWER
S7.1.7	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT CONTROL TOWER
S7.1.8	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT CONTROL TOWER
S7.1.9	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT CONTROL TOWER
S7.2.1	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT OPS CENTER
S7.2.2	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT OPS CENTER
S7.2.3	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT OPS CENTER
S7.3.1	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT MAINT. HANGAR
S7.3.2	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT MAINT. HANGAR
S7.3.3	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT MAINT. HANGAR
S7.3.4	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT MAINT. HANGAR
S7.3.5	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT MAINT. HANGAR
S7.3.6	ROOF FRAMING DETAILS AND SECTIONS – FLIGHT MAINT. HANGAR
S7.3.7	TRUSS DIAGRAMS – FLIGHT MAINTENANCE HANGAR
S8.3.1	TILT-UP PANEL ELEVATIONS – FLIGHT MAINTENANCE HANGAR
S8.3.2	TILT-UP PANEL ELEVATIONS – FLIGHT MAINTENANCE HANGAR
S8.3.3	TILT-UP PANEL ELEVATIONS – FLIGHT MAINTENANCE HANGAR
S8.3.4	TILT-UP PANEL ELEVATIONS – FLIGHT MAINTENANCE HANGAR
S8.3.5	TILT-UP PANEL DETAILS – FLIGHT MAINTENANCE HANGAR
S9.3.1	TILT-UP PANEL REINFORCEMENT – FLIGHT MAINTENANCE HANGAR
S9.3.2	TILT-UP PANEL REINFORCEMENT – FLIGHT MAINTENANCE HANGAR
S9.3.3	TILT-UP PANEL REINFORCEMENT – FLIGHT MAINTENANCE HANGAR
S9.3.4	TILT-UP PANEL REINFORCEMENT – FLIGHT MAINTENANCE HANGAR
S9.3.5	TILT-UP PANEL REINFORCEMENT – FLIGHT MAINTENANCE HANGAR

FIRE PROTECTION

FP1.0	FIRE PROTECTION SITE PLAN
FP2.0	FIRE PROTECTION PLAN – FLIGHT OPERATIONS CENTER
FP2.1	FIRE PROTECTION PLAN – AMS LABORATORY BUILDING
FP2.2	FIRE PROTECTION PLAN – FLIGHT MAINTENANCE HANGAR

PLUMBING

P2.0	1ST FL. PLUMBING PLAN – FLIGHT OPERATIONS CENTER
P2.1	1ST FL. PLUMBING PLAN – FLIGHT OPERATIONS CENTER
P2.2	2ND FL. PLUMBING PLAN – FLIGHT OPERATIONS CENTER

P2.3	2ND FL. PLUMBING PLAN – FLIGHT OPERATIONS CENTER
P2.4	PLUMBING ROOF PLAN – FLIGHT OPERATIONS CENTER
P2.5	PLUMBING ROOF PLAN – FLIGHT OPERATIONS CENTER
P2.6	1ST FL. PLUMBING PLAN – AMS LABORATORY BUILDING
P2.7	1ST FL. PLUMBING PLAN – AMS LABORATORY BUILDING
P2.8	2ND FL. PLUMBING PLAN – AMS LABORATORY BUILDING
P2.9	2ND FL. PLUMBING PLAN – AMS LABORATORY BUILDING
P2.10	3RD FL. PLUMBING PLAN – AMS LABORATORY BUILDING
P2.11	3RD FL. PLUMBING PLAN – AMS LABORATORY BUILDING
P2.12	1ST FL. COMPRESSED AIR PLAN – AMS LABORATORY BUILDING
P2.13	1ST FL. COMPRESSED AIR PLAN – AMS LABORATORY BUILDING
P2.14	2ND FL. COMPRESSED AIR PLAN – AMS LABORATORY BUILDING
P2.15	2ND FL. COMPRESSED AIR PLAN – AMS LABORATORY BUILDING
P2.16	PLUMBING ROOF PLAN – AMS LABORATORY BUILDING
P2.17	PLUMBING ROOF PLAN – AMS LABORATORY BUILDING
P2.18	1ST FL. PLUMB. AND COMP. AIR PLAN – FLIGHT MAINTENANCE HANGAR
P2.19	PLUMBING ROOF PLAN – FLIGHT MAINTENANCE HANGAR
P3.0	PLUMBING RISERS
P3.1	PLUMBING RISERS
P3.2	PLUMBING RISERS
P3.3	PLUMBING RISERS
P3.4	PLUMBING RISERS
P3.5	PLUMBING RISERS
P3.6	PLUMBING RISERS
P3.7	PLUMBING RISERS

MECHANICAL

M1.0	MECHANICAL PIPING SITE PLAN
M2.0	1ST FL. HVAC PLAN – FLIGHT OPERATIONS CENTER
M2.1	1ST FL. HVAC PLAN – FLIGHT OPERATIONS CENTER
M2.2	2ND FL. HVAC PLAN – FLIGHT OPERATIONS CENTER
M2.3	2ND FL. HVAC PLAN – FLIGHT OPERATIONS CENTER
M2.4	HVAC ROOF PLAN – FLIGHT OPERATIONS CENTER
M2.5	HVAC ROOF PLAN – FLIGHT OPERATIONS CENTER
M2.6	1ST FL. HVAC PLAN – AMS LABORATORY BUILDING
M2.7	1ST FL. HVAC PLAN – AMS LABORATORY BUILDING
M2.8	2ND FL. HVAC PLAN – AMS LABORATORY BUILDING
M2.9	2ND FL. HVAC PLAN – AMS LABORATORY BUILDING
M2.10	3RD FL. HVAC PLAN – AMS LABORATORY BUILDING
M2.11	3RD FL. HVAC PLAN – AMS LABORATORY BUILDING
M2.12	ENGINE REPAIR LAB – HVAC PLAN – AMS LABORATORY BUILDING
M2.13	TURBINE ENGINE LAB – HVAC PLAN – AMS LABORATORY BUILDING
M2.14	TOOL SHOP LAB – HVAC PLAN – AMS LABORATORY BUILDING
M2.15	TOOL SHOP LAB – HVAC PLAN – AMS LABORATORY BUILDING
M2.16	AVIONICS LINE LAB – HVAC PLAN – AMS LABORATORY BUILDING
M2.17	1ST FL. HVAC PLAN – FLIGHT MAINTENANCE HANGAR
M2.18	UPPER LEVEL – HVAC PLAN – FLIGHT MAINTENANCE HANGAR
M3.0	HVAC DETAILS
M3.1	HVAC DETAILS
M3.2	HVAC DETAILS
M3.3	HVAC DETAILS
M3.4	HVAC DETAILS
M3.5	HVAC DETAILS
M4.0	HVAC SECTIONS

M4.1	HVAC SECTIONS
M4.2	HVAC SECTIONS
M5.0	CONTROL SCHEMATICS
M5.1	CONTROL SCHEMATICS
M5.2	CONTROL SCHEMATICS

ELECTRICAL

E.1	ELECTRICAL LEGEND, NOTES AND SCHEDULES
E.2	ELECTRICAL SITE PLAN
E.3	FIRST FLOOR POWER – FLIGHT OPERATIONS CENTER - NORTH
E.4	FIRST FLOOR POWER – FLIGHT OPERATIONS CENTER - SOUTH
E.5	FIRST FLOOR LIGHTING – FLIGHT OPERATIONS CENTER - NORTH
E.6	FIRST FLOOR LIGHTING – FLIGHT OPERATIONS CENTER - SOUTH
E.7	FIRST FLOOR SYSTEMS – FLIGHT OPERATIONS CENTER - NORTH
E.8	FIRST FLOOR SYSTEMS – FLIGHT OPERATIONS CENTER - SOUTH
E.9	SECOND FLOOR POWER – FLIGHT OPERATIONS CENTER - NORTH
E.10	SECOND FLOOR POWER – FLIGHT OPERATIONS CENTER - SOUTH
E.11	SECOND FLOOR LIGHTING – FLIGHT OPERATIONS CENTER - NORTH
E.12	SECOND FLOOR LIGHTING – FLIGHT OPERATIONS CENTER - SOUTH
E.13	SECOND FLOOR SYSTEMS – FLIGHT OPERATIONS CENTER - NORTH
E.14	SECOND FLOOR SYSTEMS – FLIGHT OPERATIONS CENTER - SOUTH
E.15	ROOF PLAN – FLIGHT OPERATIONS CENTER - NORTH
E.16	ROOF PLAN – FLIGHT OPERATIONS CENTER - SOUTH
E.17	POWER AND FIRE ALARM RISER DIAGRAMS – FLIGHT OPS CENTER
E.18	FIRST FLOOR POWER – AMS LABORATORY BUILDING - NORTH
E.19	FIRST FLOOR POWER – AMS LABORATORY BUILDING - SOUTH
E.20	FIRST FLOOR LIGHTING – AMS LABORATORY BUILDING - NORTH
E.21	FIRST FLOOR LIGHTING – AMS LABORATORY BUILDING - SOUTH
E.22	FIRST FLOOR SYSTEMS – AMS LABORATORY BUILDING - NORTH
E.23	FIRST FLOOR SYSTEMS – AMS LABORATORY BUILDING - SOUTH
E.24	SECOND FLOOR POWER – AMS LABORATORY BUILDING - NORTH
E.25	SECOND FLOOR POWER – AMS LABORATORY BUILDING - SOUTH
E.26	SECOND FLOOR LIGHTING – AMS LABORATORY BUILDING - NORTH
E.27	SECOND FLOOR LIGHTING – AMS LABORATORY BUILDING - SOUTH
E.28	SECOND FLOOR SYSTEMS – AMS LABORATORY BUILDING - NORTH
E.29	SECOND FLOOR SYSTEMS – AMS LABORATORY BUILDING - SOUTH
E.30	THIRD FLOOR POWER – AMS LABORATORY BUILDING - NORTH
E.31	THIRD FLOOR POWER – AMS LABORATORY BUILDING - SOUTH
E.32	THIRD FLOOR LIGHTING – AMS LABORATORY BUILDING - NORTH
E.33	THIRD FLOOR LIGHTING – AMS LABORATORY BUILDING - SOUTH
E.34	THIRD FLOOR SYSTEMS – AMS LABORATORY BUILDING - NORTH
E.35	THIRD FLOOR SYSTEMS – AMS LABORATORY BUILDING - SOUTH
E.36	ROOF PLAN – AMS LABORATORY BUILDING - NORTH
E.37	ROOF PLAN – AMS LABORATORY BUILDING - SOUTH
E.38	POWER AND FIRE ALARM RISER DIAGRAMS – AMS LAB BUILDING
E.39	POWER PLAN – FLIGHT MAINTENANCE HANGAR
E.40	LIGHTING PLAN – FLIGHT MAINTENANCE HANGAR
E.41	SYSTEMS PLAN – FLIGHT MAINTENANCE HANGAR
E.42	POWER AND FIRE ALARM RISER DIAGRAMS – FLIGHT MAINT. HANGAR
E.43	ACCESS CONTROL DETAILS

END OF SECTION 01015

SECTION 10100 - VISUAL DISPLAY BOARDS

PART 1 - GENERAL:

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification Sections, apply to this Section.

1.02 SUBMITTALS

- A. Shop Drawings: Include sections of trim members and dimensioned elevations. Show anchors, grounds, reinforcement, accessories, layout, and installation details.
- B. Samples: For selection of colors, patterns, and textures and verification of compliance with requirements.
 - 1. Porcelain Enamel Chalkboard and Markerboard: Sample panels showing full range of colors available.
 - 2. Vinyl-fabric-faced Cork Tackboards: Color charts showing full range of colors, textures, and patterns available (Furnished and installed by Owner).
 - 3. Aluminum Trim and Accessories: Samples of each finish and color showing full range of colors.
 - 4. Porcelain Enamel Chalkboard Warranty: Furnish written warranty, agreeing to replace chalkboards that do not retain their original writing and erasing qualities, become slick and shiny, or exhibit crazing, cracking, or flaking, provided manufacturer's instructions with regard to handling, installation, protection, and maintenance have been followed.
- C. Warranty Period: Lifetime of the building.

PART 2 - PRODUCTS:

2.01 MANUFACTURERS

- A. Porcelain Enamel Chalkboards or Markerboards:
 - 1. American Visual Display Products
 - 2. Claridge Products and Equipment, Inc.
 - 3. American Chalkboard
 - 4. Newline Products
- B. Tackboards:
 - 1. American Visual Display Products
 - 2. Claridge Products and Equipment, Inc.
 - 3. American Chalkboard
 - 4. Newline Products
- C. Porcelain Enamel Chalkboards/Markerboards: Balanced, high-pressure laminated porcelain enamel chalkboards/markerboards of 3-ply construction consisting of face sheet, core material, and backing.
- D. Face Sheet: 24-gage enameling-grade steel. Coat exposed face and edges with 3-coat process consisting of primer, ground coat, and color cover coat, and concealed face with 2-coat process consisting of primer and ground coat. Fuse coats to steel at not less than 1200 deg F (649 deg C).