



State of Utah

GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lt. Governor

Department of Administrative Services

KIMBERLY K. HOOD  
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON  
Director

## ADDENDUM NO. 1

Date: September 14, 2009

To: Contractors

From: Wayne Smith – Project Manager

Reference: South Hangar Rooftop Unit Replacement – West Jordan AASF  
Utah National Guard – West Jordan, Utah  
DFCM Project No. 09161480

Subject: **Addendum No. 1**

Pages	Addendum Cover Sheet	1 page
	<u>Engineer's Addendum No. 1</u>	4 pages
	Total	5 pages

**Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.**

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

1.1 **SCHEDULE CHANGES:** No Project Schedule changes.

1.2 **GENERAL ITEMS:** See attached Engineer's Addendum No. 1 dated September 11, 2009.

# ADDENDUM

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Project Name: UNG AASF South Hanger AC Upgrade

Addendum No.: 1

WHW Project # 09030

Date: September 11, 2009

From: WHW Engineering Inc  
8619 Sandy Parkway Suite 101  
Sandy, Utah 84070  
Phone (801) 466-4021 Fax (801) 466-8536

To: All Bidders

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This Addendum forms and becomes a part of the Contract Documents and modifies the original Bidding Documents dated 08/31/09 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of 4 pages.

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**I - CHANGES TO PRIOR ADDENDA:** N/A

**II - CHANGES TO BIDDING REQUIREMENTS:** N/A

**III - CHANGES/CLARIFICATIONS TO SPECIFICATIONS:** N/A

**Item III-1.** – Paint exposed gas line yellow.

**Item III-2.** – Remove references to humidifiers 16051 1.1 B.

**Item III-3.** – Specification section 15733-2.10.B Clarification: new transition shall be standard rigid curb – no vibration isolation rails.

**IV - CHANGES/CLARIFICATIONS TO DRAWINGS:**

**Item IV-1.** – Modified detail C1 on sheet ME502 to only have 2 way valves for VAV boxes and no longer a 3-way valve.

**Item IV-2.** – Modified detail B4 on ME502 to mount guard rail to roof. Provide roofing modifications as necessary. Use a roofing contractor from the most current DFCM short list of roofers. List is available for download at [www.dfc.utah.gov](http://www.dfc.utah.gov). See attached sketch ADD1A.

**Item IV-3.** – Coordinate staging and down time with building maintenance manager. RTU-3, and VAV-B shall be down for no more than 2 state business days at a time. All other zones shall be down for no more than 5 business days.

**Item IV-4.** – Replace existing lightning protection at all new equipment on roof.

**Item IV-5.** – Replace existing disconnects with new external disconnects for all roof top units.

**Item IV-6.** – Replace wiring, conduit, and breaker as necessary to roof top unit 3 to accommodate higher electrical loads for new equipment.

**Item IV-7.** – Modified note 7 in the Rooftop Unit Schedule to provide integral supply fan VFD. See attached sketch ADD1B.

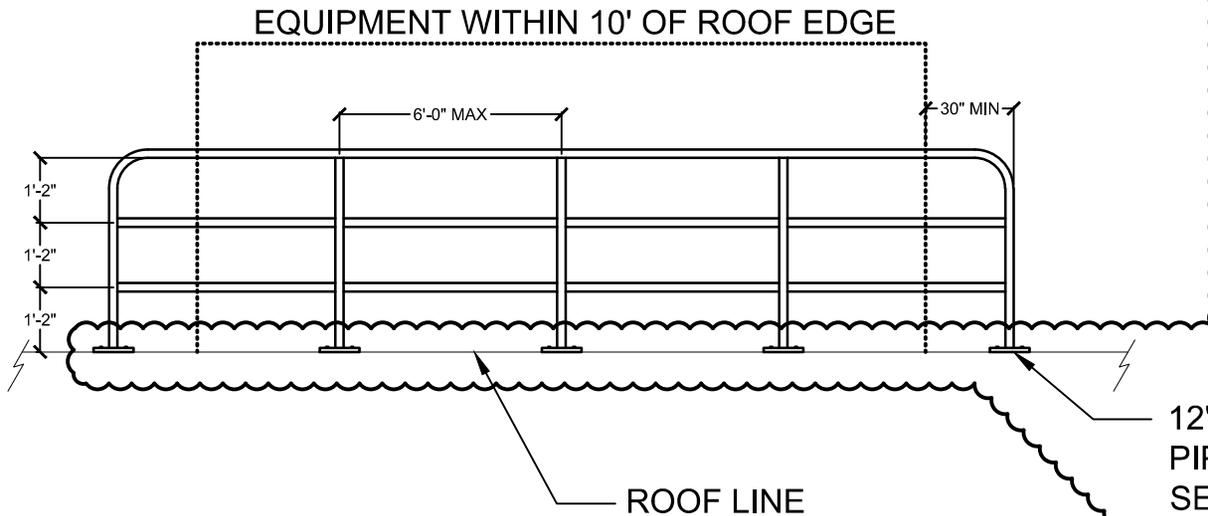
PRIOR APPROVALS

THE FOLLOWING ITEMS, AS SUBMITTED, ARE CONSIDERED, IN GENERAL AND IN NAME ONLY, AS EQUAL TO THOSE ITEMS SPECIFIED. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR OR SUPPLIER OF THE RESPONSIBILITY OF CONFORMING TO THE DRAWINGS AND SPECIFICATIONS, NOR DOES IT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS FOR COORDINATION WITH OTHER TRADES. ALL DIMENSIONS SHALL BE CONFIRMED AND CORRELATED AT THE JOBSITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND THE SUITABILITY OF "EQUAL" PRODUCTS FOR THE SPECIFIED APPLICATION.

**Description**

**Manufacturer**

15855-Registers, Grilles & Ceiling Diffusers	Carnes
15840-Variable Air Volume Boxes	Carnes
15820-Duct Accessories	Air-Rite
15820-Duct Accessories	Flexible Technologies
15450-Test and Balance	Independent Test & Balance



**NOTE:**  
 PROVIDE ROOF MODIFICATIONS  
 TO ACCOMMODATE NEW ROOF  
 RAIL SUPPORTS. ROOFING  
 MODIFICATIONS SHALL BE  
 PROVIDED BY ROOFING  
 CONTRACTOR ON MOST  
 CURRENT DFCM SHORT LIST.

12"x12"x3/8" STEEL PLATE, WELD TO  
 PIPE. ANCHOR TO ROOF. PATCH AND  
 SEAL AT ROOF.

B4

## ROOF TOP GUARD RAIL DETAIL - OPTION #2

SCALE: NONE



**WHW**  
**ENGINEERING INC.**

PROFESSIONAL MECHANICAL ENGINEERING

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 SANDY, UTAH 84070

(801)466-4021, FAX 466-8536  
 EMAIL: excellence@whw-engineering.com

UTAH NATIONAL  
 GUARD - AASF

SOUTH HANGER  
 AC UPGRADE

7563 S. AIRPORT RD  
 WEST JORDAN, UTAH 84084

ADD1A

## ROOFTOP AIR CONDITIONER SCHEDULE (GAS HEAT)

SYMBOL	MANUFACTURER & MODEL NUMBER	SA CFM	OSA CFM	E.S.P. IN W.G.	HEATING	COOLING			ELECTRICAL								EER/ SEER	OPER. WT. (LBS)	SCHEDULE NOTES
					TOT. MIN. INPUT MBH	AMB. AIR (DB)	AMB. AIR (WB)	MIN. TOTAL MBH	V - Ø - Hz	COMPRESSOR #	COMPRESSOR TOTAL RLA	COMPRESSOR TOTAL LRA	EVAP BLOWER BHP	POWER EXHAUST FLA (QTY)	MCA	MOCP			
RTU 1	EXISTING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RTU 2	CARRIER 48PGEC06-A-6	1995	400	.5	0	95	65	58.6	460-3-60	1	9.6	62	.75	-	15.4	25	14.6 SEER	1100	1,2,3,4,5,6,8,9
RTU 3	CARRIER 48A3T020CCV611HM	8000	1600	3.0	525	95	65	231.1	460-3-60	3	10.6 / 10.6 / 14.7	75 / 75 / 95	6.75	12.6 (2)	76.3	90	10.1 EER	5000	1,2,3,4,5,7,8,9
RTU 4	EXISTING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RTU 5	CARRIER 48PGFC03-A-3	800	160	.5	0	95	65	23.5	230-1-60	1	12.8	60	.17	-	21.8	30	14.0 SEER	900	1,2,3,4,5,8,9
RTU 6	EXISTING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RTU 7	CARRIER 48PGFC03-A-3	800	160	.5	56	95	65	23.5	230-1-60	1	12.8	60	.17	-	21.8	30	14.0 SEER	900	1,2,3,4,5,9

1. E.S. P. DOES NOT INCLUDE LOSSES THROUGH ACCESSORIES.
2. RATED MINIMUM INPUT AT SEA LEVEL.
3. PROVIDE ONE 15 AMP, 120 VOLT, DUPLEX GFCI SERVICE OUTLET. FACTORY INSTALLED, FIELD WIRED.
4. BELT DRIVE UNIT
5. PROVIDE SMOKE DETECTOR IN SUPPLY AND RETURN AIR FOR ALL UNITS OVER 2000 CFM.
6. PROVIDE WITH POWER EXHAUST.
7. PROVIDE WITH INTEGRAL SUPPLY FAN VFD AND MODULATING POWER EXHAUST.
8. PROVIDE WITH GAS HEAT OPTION. GAS CONNECTION TO BE MADE AT A FUTURE DATE.
9. PROVIDE WITH TRANSITION CURB TO ADAPT TO EXISTING CURB.



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**UTAH NATIONAL  
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**ADD1B**