



**Steven M. Neuhaus**  
*County Executive*

## DEPARTMENT OF GENERAL SERVICES

**Samantha Sweikata**  
*Acting Commissioner*

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RFB-OC177-22 Orange County Medical Examiner's Office

### Addendum E

This amendment is to address questions for the above mentioned RFB:

1. Q: Are all ERV and AHUs to be provided with factory packaged BACnet controls?  
**A: All ERV's specified have Motorized Dampers and VFD's. BMS just activates these units during occupied mode.**  
**All required controls and BMS system are by the HVAC contractor. HVAC contractor to coordinate furnish and supply all components and controls.**
2. Q: Are both ERF1 & 2 to be provided with factory packaged BACnet controls or direct controlled by ATC contractor?  
**A: Controls by HVAC contractor.**
3. Q: Are (4) chiller HPs to come with factory packaged BACnet controls?  
**A: Yes, all WSHP and WWHP are with BACnet interface.**
4. Q: Is there a control schematic that can be provided for the geothermal plant?  
No temperature, pressure, or meters are shown on the geothermal riser schematic.  
**A: Temperature and pressure gauges are required with temperature sensors tied into the BMS. These gauges are also detailed on the drawings**
5. Q: Are the control valves shown on the geothermal riser schematic to be provided by the ATC contractor or mechanical contractor?  
**A: This project has an HVAC contractor who is required to provide all HVAC work including the HVAC controls and building BMS.**
6. Q: What is the line size for the DP By-Pass Valve?  
**A: DP line size are typically sized for 50% of total flow or 3" off the 4" main**
7. Q: Spec 230900, 1.10, describes spare materials to provide. If the controls are coming from the unit manufacturer, should the spare parts be carried by the mechanical contractor not the controls contractor?  
**A: The HVAC contractor. Also, Manufacture supplies spare filters, belts and gaskets.**

8. Q: Spec 230900, 2.2, D, says that the control system shall include Intrusion Detection, Clock Systems, Network Lighting, and Fire Detection & Alarm. Is the controls contractor also responsible for providing these systems as well? The access and video systems currently show Genetech as the only acceptable provider. There is not a specification section 28 shown. Lighting is shown under division 26 with no mention of how to include it into the controls system. Can you please elaborate on the expectation?

**A: These items are not under the BMS.**

9. Q: Spec 230900, 2.5, calls for physical alarm panels. If the system is primarily made up of factory packaged BACnet controls this would need to be done virtually as the ATC contractor or provided by the manufacturer of the control boards. Please clarify.

**A: Display of the alarms at the BMS front end is acceptable.**

10. Q: A 23 mil Security film over Spandrel Glass has been requested to be installed per Spec Section 08 8800-3.7D 'Low E Coated Insulating Spandrel Security Glass Type: IG-2'. However, 'Armoured One' Manufacturer has stated that they cannot install their 23mil film on a spandrel surface. The film will not bond to the spandrel. This is the makeup that Armoured One came up with;  
*Outboard 1/4" Tempered w Spandrel side 2*  
*7/16 Spacer with Argon*  
*Inboard side 3 Pilkington Hard coat low-e 1/8"*  
*.060 innerlayer*  
*side 4 clear 1/8" annealed with Armoured One 23mil film applied*  
This gives us 1" overall thickness. Please provide advise on how to proceed with so that we may price accordingly.

**A: Provide the Armoured One recommended assembly as described.**

11. Q: Drawing C101-Utility Plan denotes at the bottom Left Hand corner area 'Approx. location of 200+/- If of 8" & 12" D.I.P relocated water main /service by GC contractor to verify invert heights for minimum 48" cover. Contractor to coordinate.' This information is posted twice at the same area and water main line. Is this a mistake or shall it be considered a total of 400 If of watermain to be relocated?

**A: Duplicate note, 200' still applies to both the 12" and 8" water main. See revised drawing C101 in Addendum D.**

12. Q: Drawing D102 -Details for the Typical Water Main & Trench Detail shows 5'-0 minimum cover for main and service connections, however, C101 states 48" minimum cover. Shall the excavation of the trench and trench shoring walls to be assumed 5ft or 6 ft deep?  
**A: Water main will have 5'-0" of cover, See revised drawing C101 in Addendum D.**
13. Q: E001 – Generator Legend. There seems to be a conflict with the Generator. It calls for a natural gas Generac – 5G500 KW, but the description says Diesel.  
**A: A generator spec has been added, see Addendum D for attached generator spec. The generator is a 500KW SD500 diesel generator with level two sound enclosure and 28-hour base tank. Generator shall be placed on an 8" high reinforced concrete pad extending out 6" wider than the generator on all sides. Pad shall have #4 rebar 12" O.C. in each direction on top and bottom of pad.**
14. Q: Will there be a revised set of specs for the Generator?  
**A: See Addendum D for attached generator spec.**
15. Q: A507-Details 2,6,9, window bottom flashing and precast flashing both need to have end dams called out.  
**A: Refer to specification section 042200, 3.11, B for locations to install flashing. Refer to specification section 084113, 2.3, D for end dams to be used with storefront systems.**
16. Q: Exterior doors -Bottom flashings need end dams as well.  
**A: Refer to specification section 042200, 3.11, B, 2.**
17. Q: A500,501 show foundation walls keyed to top of footings. S300,301 shows the top of footing roughened and wall poured on top. Which way is the joint supposed to be?  
**A: Construct joints per structural drawings.**
18. Q: S301- Detail 4-Rebar should pass thru wall into slab to prevent slab curl at doors. This should be all areas slab is over foundation walls.  
**A: Provide as shown. Do not dowel slab to top of foundation wall. This restrains it from shrinking and leads to cracking.**
19. Q: S301- Detail 10-Rebar should pass thru wall into slab.  
**A: Provide as shown. Do not dowel slab to top of foundation wall. This restrains it from shrinking and leads to cracking.**
20. Q: As per 092900-7/3.5B-Architect should layout all control joints on prints-large walls in rooms and long corridors. Need to be worked out w/furniture and door frames.  
**A: Provide control joints in gypsum board finish at 30' O.C. min. in each direction. Exact locations to be determined.**
21. Q: Acoustical sealant is called out in section 092900-4/2.7 D-It states Acoustical Joint Sealant as specified in Section 079219-This section is not in the spec book.  
**A: Remove reference to Section 079219 and provide compatible Acoustical Sealant for Concealed or Exposed Joints: Manufacturer's standard nonsag, paintable, nonstaining latex acoustical sealant complying with ASTM C 834.**

22. Q: FP001-Detail 3-Inspector test signage needed. Inspector test location need to be set by Arch, Engineer during shop dwg process as they are typically exposed.

**A: The location will be coordinated with the owner and architect.**




















23. **Section 00 5000-12 (Volume 1, page 94): please replace “in the amount of ten percent (10%)” with “five percent (5%)” in reference to the Bid Bond.**

24. **An example draft Milestone Schedule is enclosed with this Addendum E for reference. NTP, Substantial and Final Completion Dates are the currently planned goals but the remaining components will be confirmed during the Scheduling process for the Project in accordance with the Contract Documents.**

Regards,

Samantha Sweikata  
Acting Commissioner

# ORANGE COUNTY MEDICAL EXAMINERS OFFICE

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	%	2022												2023												2024					
						NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN										
ORANGE COUNTY																																			
NEW MEDICAL EXAMINERS OFFICE																																			
PRE-CONSTRUCTION																																			
PRE1000	BID PROJECT	40	11/30/22	01/24/23	0													BID PROJECT																	
PRE1005	BIDS DUE	0	01/24/23		0													BIDS DUE																	
PRE1010	CONTRACTOR QUALIFICATIONS	10	01/24/23	02/06/23	0													CONTRACTOR QUALIFICATIONS																	
PRE1020	NOTICE OF AWARD / CONTRACT APPROVAL PERIOD	35	02/07/23	03/27/23	0													NOTICE OF AWARD / CONTRACT APPROVAL PERIOD																	
PRE1030	NOTICE TO PROCEED TO CONTRACTORS	0	03/28/23		0													NOTICE TO PROCEED TO CONTRACTORS																	
SUBMITTALS																																			
SU1000	GEOTHERMAL SUBMITTALS	10	04/04/23	04/17/23	0													GEOTHERMAL SUBMITTALS																	
SU1005	TEL / CABLE / DATA SUBMITTALS	1	04/04/23	04/17/23	0													TEL / CABLE / DATA SUBMITTALS																	
SU1010	Long lead submittals/approvals, STEEL SHOPS	30	04/04/23	05/15/23	0													Long lead submittals/approvals, STEEL SHOPS																	
SU1020	Long lead submittals/approvals, MORTUARY EQUIP.	30	04/04/23	05/15/23	0													Long lead submittals/approvals, MORTUARY EQUIP.																	
SU1025	Long lead submittals/approvals, MASONRY	30	04/04/23	05/15/23	0													Long lead submittals/approvals, MASONRY																	
SU1015	Long lead submittals/approvals, WINDOWS	50	04/04/23	06/12/23	0													Long lead submittals/approvals, WINDOWS																	
SU1030	Long lead submittals/approvals, CASEWORK	50	04/04/23	06/12/23	0													Long lead submittals/approvals, CASEWORK																	
SITE WORK																																			
SW1000	Mobilization	5	04/11/23	04/17/23	0													Mobilization																	
SW1020	Continuous Erosion Controls	249	04/11/23	03/22/24	0													Continuous Erosion Controls																	
SW1040	Install Constr. Entrances / Fencing	3	04/12/23	04/14/23	0													Install Constr. Entrances / Fencing																	
SW1025	Re-Route Existing Utilities to be moved	15	04/13/23	05/03/23	0													Re-Route Existing Utilities to be moved																	
SW1035	Survey New Building and Geo Well Field	5	04/18/23	04/24/23	0													Survey New Building and Geo Well Field																	
SW1030	Re-Route Existing Tel / Cable / Data to OCOC	45	04/18/23	06/19/23	0													Re-Route Existing Tel / Cable / Data to OCOC																	
SW1050	Strip and Stockpile Topsoil - building footprint	3	04/25/23	04/27/23	0													Strip and Stockpile Topsoil - building footprint																	

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	SW1060	Cut and Fill to Sub - compact geo well bed	15	04/28/23	05/18/23	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

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	A01425	ROOF BLOCKING & ROOFING	25	10/09/23	11/10/23	0																				
	A01465	FIRE SUPPRESSION ROUGH IN WORK	15	10/16/23	11/03/23	0																				
	A01445	INTERIOR SHEER MASONRY WALLS	20	11/02/23	11/29/23	0																				
	A01440	EXTERIOR WINDOW WALL , STOREFRONT & DOORS	30	11/23/23	01/03/24	0																				
	A01460	FIRE PROTECTION ROUGH-IN	15	11/30/23	12/20/23	0																				
	A01520	INTERIOR METAL STUD ASSEMBLIES	25	11/30/23	01/03/24	0																				
	A10000	TEMPORARY HEAT - PROVIDED BY GENERAL	49	11/30/23	02/06/24	0																				
	A01455	MECHANICAL / PLUMBING ROUGH-IN	25	12/14/23	01/17/24	0																				
	A01490	ELECTRICAL ROUGH-IN	25	12/14/23	01/17/24	0																				
	A01496	FIRE ALARM - NETWORK - SECURITY CABLING	15	12/21/23	01/10/24	0																				
	A01441	BUILDING FULLY ENCLOSED AND WEATHER TIGHT	0		01/03/24	0																				
	A01450	DRYWALL PARTITIONS	30	01/04/24	02/14/24	0																				
	A01470	INTERIOR CEILING SYSTEMS	25	02/01/24	03/06/24	0																				
	A01475	INTERIOR DOOR & WINDOW SYSTEMS	20	02/15/24	03/13/24	0																				
	A01525	INSTALL / CONNECT SINKS / PLUMBING FIXTURES	10	03/07/24	03/20/24	0																				
	A01495	LIGHTING SYSTEMS	20	03/07/24	04/03/24	0																				
	A01471	INSTALL MECH. EQUIPMENT	25	03/07/24	04/10/24	0																				
	A01480	INTERIOR WALL FINISHES	30	03/14/24	04/24/24	0																				
	A01500	ELECTRICAL TRIM / DEVICES	25	04/11/24	05/15/24	0																				
	A01485	FLOOR FINISHES	25	04/25/24	05/29/24	0																				
	A01535	MORTUARY EQUIP. INSTALLATION / COMMISSIONING	25	05/16/24	06/19/24	0																				
	A01505	INSTALL FINAL CASEWORK	10	05/30/24	06/12/24	0																				

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	A01545	INSTALL SPECIALTIES	10	05/30/24	06/12/24	0																				IN
	A01519	SUBSTANTIAL COMPLETION	0		06/12/24	0																				S
	A01515	FINAL CLEANING / PUNCHLIST	10	06/13/24	06/26/24	0																				
	A01234	MEDICAL EXAMINERRS OFFICE COMPLETE	0		06/26/24	0																				
	A01510	OWNER TRAINING / OWNER MOVE IN	10	06/27/24	07/10/24	0																				