

**SMITH DESIGN GROUP, INC.**

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LaGrange, Georgia 30240  
Phone (706) 882-5511 Fax (706) 883-7777

**Sewon Expansion**

Architect's Project No. 1010  
September 24, 2010

**ADDENDUM NUMBER FOUR**

The Bidding Documents are modified as follows:

**PART 1.00 CLEARIFICATIONS TO A RFI FROM HYUNDAI  
AMCO**

**STRUCTURAL**

**1.01 Sheets SO-6 and S1-6:**

**A. Footing size Clarification for F5 Footings**

**“All F5 footing extensions along line FO.1 to be 3’-6” and match existing footing width (understood to be 12’-0”).**

**Short bars are to be drilled and epoxy 8” into existing footing (same “remarks” note as F4). Long bars to be 11’-6” long (6” shorter than footing width, 3” cover each end)”.**

**1.02 Sheets SO-1:**

**A. Section 2.J**

**Change to read, “All Exposed footing mud mats to be 2” (minimum) thickness”.**

**1.03 Subgrade thickness under concrete slab.**

**A. This item will be confirmed in future addendum.**

**1.04 Slab on Grade Type:**

**A. Please note that the existing slab on grade is SFRC Slab; however, the owner has decided to change the slab type to concrete mix and rebars as shown on the drawings for this new expansion.**

**1.05 Unknown Concrete Mass and/or obstacles under the ground at expansion area:**

**A. The owner has no exact knowledge of anything including that questioned about in the RFI.**

**Any obstacles, whatever under or on the ground in construction area, shall be taken out of the property and disposed of by the contractor at no additional expense to the owner.**

**MECHANICAL**

- 1.06 Chemical treatment system for cooling water:**
  - A. The owner will provide, install, and obtain related regulations approval for chemical treatment system.**
  - B. Contractor to provide underground drainage for the cooling water basin with a 6” pipe as shown on Sheets C3.2 and C4.2**
  
- 1.07 Pipe Connections:**
  - A. Change specifications to read all pipe connections to be welded type connections to match existing.**
  
- 1.08 Co2 and Argon System:**
  - A. Contractor to provide 3” main line and other lines as shown on the drawings. Owner will have gas mixer and piping around tanks provided and installed by owner’s gas supplier. Contractor to connect main line to Owner’s gas mixer.**
  
- 1.09 Co2 Gas Line Material:**
  - A. Owner has confirmed all co2 piping to be galvanized steel as specified for the new expansion.**
  
- 1.10 Control System for Cooling Water System:**
  - A. Control System for cooling water system is to be provided by the Owner and is not in Contractor’s Scope of Work.**
  
- 1.11 Digital Thermostat**
  - A. Provide digital thermostats for all RTU’s only.**
  
- 1.12 HVAC Control**
  - A. Central Control System for HVAC is being confirmed with Owner and will be clarified in future addendum.**

**CIVIL**

- 1.13 The capacity of existing drainage system for connection of new symphonic system:**
  - A. the existing(original) system was sized to accommodate future connection. Capacity has been reviewed and is acceptable based on the flows provided and given design parameters.**
  
- 1.14 Main Fire Access Road:**
  - A. the location of the fire access road has been reviewed and approved by Fire Marshal, Chris Smith, City of LaGrange Fire Department and by the City of LaGrange Building Department.**

**PART 2.00 - PROJECT MANUAL**  
**NO ITEMS INCLUDED**

**PART 3.00 ADDENDA**

**3.01 Mini-Pile System:**

- A. The pile system was meant to be a “performance spec”, and only conceptual in description. The installation contractor shall design the specific system (they are all different and somewhat proprietary) and submit for approval (or better still, “review”, because the design will be by the specialty contractor’ engineer, and should be signed and stamped-it is their design). They would decide the size, depth, number, and how the load is transferred to the piles. This is the way it is typically done these days.

A couple of large well-known installation contractors are Hayward Baker ([www.haywardbaker.com](http://www.haywardbaker.com)) and Schnabel ([www.schnabel.com](http://www.schnabel.com)). The contractor will have to contact these or similar installers and talk to them about this application. They will need to refer to the soils report available on the website [www.smithdesigngroup.net](http://www.smithdesigngroup.net) under current project, bidding information.

**3.02 Safety Fences (Guardrails) and Pit Covers:**

- A. Upon completion of the two press pits, safety fences (guardrails) shall be constructed around them of the same structure, materials and finishing as those around the existing in the existing press shop.
- B. Upon completion of the two press pits, covers shall be installed over the pits for moving bolster and the pits for cables which are both subsidiary to the two of same structure, material, and finishing as those over the existing in the existing press shop.

**PART 4.00 – APPROVED MANUFACTURERS**  
**NO ITEMS INCLUDED**

**PART 5.00 – ATTACHMENT**  
**NO ITEMS INCLUDED**

**PART 6.00 – GENERAL CLARIFICATIONS**  
**NO ITEMS INCLUDED**

**END OF ADDENDUM NUMBER FOUR**

# HUNDAI AMCO

## Request for Information Expansion of Sewon Precision Manufacturing Plant Lagrange, Georgia Client : Sewon America, Inc

Bidder: HYUNDAI AMCO AMERICA, INC.

Contract/PO Number: N/A

*Filled out by Originator*

RFI Number: G - 001	RFI Subject: Bid Condition	Schedule Impact (Man-hours) : N/A	
Attention: Mr. Jin S.H	Company: Sewon America, Inc.	Cost Impact (\$)N/A	
Date: 09-10-2008	Originator: Park Y.K	List Reference Documents Below:	Discipline
Facility: Sewon Georgia	Title: RFI for Bid Condition	X	Civil
Notes/Comments:		X	Electrical
		X	Mechanical
		X	Piping
		X	Structural/Arch.

*Filled out by Originator*

PROBLEM DESCRIPTION AND PROPOSED SOLUTION (IF ANY)	ROOT CAUSE
<p># Architectural</p> <p>1) Drawing difference. Footing size S0-6 says F5 is 3'6" x 12', but S1-6 says F5 is 4' x 12' Please let us know which size is correct? Exposed footing's mud mat needs to be 3" -4" thick.(S0-1, Section 2. J) Mud mat for press pits is 2" thick in S302, S304, S305 Please let us know which size is correct?</p> <p>2) Thickness for concrete slab There is no sub-grade thickness for concrete slab. Please give us the thickness of sub-grade.</p> <p>4) Slab Type As far as we know, existing building has SFRC slab. In the new drawing all of S.O.G is normal concrete slab with rebars. Is this drawing description correct?</p> <p>5) Unknown concrete mass Is there any unknown concrete mass and/or obstacles under the ground at Expansion area?</p> <p># Mechanical</p> <p>1) Chemical treatment system and cooling water drainage. According to specification, contractor shall provide chemical treatment system. However, there is no drawing regarding chemical treatment system for cooling water system and existing cooling water system doesn't have a chemical water treatment system. If you take that system, cooling water shall be treated before discharge as far as we know. Regarding this issue, related regulation shall be confirmed by designer. Please let us know which documents we should apply. Also, there is no underground drainage system for the cooling water basin.</p>	Owner Change
	Constructor Change
	Constructor Error/Omission
	Designer Change
	X Designer Error/Omission
	X Clarification/Information
	Vendor Change
	Vendor Error/Omission
	Specification Deviation

<p>2) Pipe connection. According to specification, all pipes shall be connected with groove type. However all pipes have been connected with welding type in existing building. Please let us know which type of connection shall be applied.</p> <p>3) Co2 and argon system According to drawing, contractor shall install 3" main line only. As far as we understand, gas mixing line around co2 and argon tank shall be installed by other contractor. Please confirm whose scope of work for the gas mixing line around tank.</p> <p>4) Co2 gas line material According to specification, all piping shall be galvanized steel. As far as we know, it shall be copper line. Please confirm with your designer.</p> <p>5) Control system. There is no existing control drawing for the cooling water system. Please provide us a current control drawing and checking point you need to consider for the cooling water system.</p> <p>6) Digital thermostat According to specification, all HVAC to be provided with digital thermostat. It is not sure that it means only for the RTU or include exhaust fan. Please provide us more detail information for accurate quotation.</p> <p>7) HVAC Control system. There is no comment regarding the RTU and fan control. Please provide us more detail information for accurate quotation. Ex) RTU – Central control. Exhaust fan- Local control.</p> <p># Civil</p> <p>1) Syphonic system. The pipe size of the underground main storm drainage which will be connected with future symphonic system is same as original building as-built drawing which you provide us. Please confirm that the capacity of the main line is enough to take care of the rain water include future area.</p> <p>2) Main Fire Road. According to drawing, the main fire road is designed right next to the wall. As far as we know, there is certain area shall be provided for smooth fire fighting activity. Please let us know that it is accepted with The City of Lagrange and fire department.</p> <p style="text-align: right;">- The End -</p>	
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*Filled out by responding Engineer/CM*

RESPONSE:	RFI DISTRIBUTION
	<input type="checkbox"/> Contractor
	<input type="checkbox"/> Client
	<input type="checkbox"/> Project Manager
	<input type="checkbox"/> Contract Manager
	<input type="checkbox"/> Originator
	<input type="checkbox"/> Other
RESPONDING ENGINEER:	
CO-RESPONDER:	

