



W. M. JORDAN COMPANY'S ADDENDUM NO. 1

**PROJECT: WEST BRUNSWICK HIGH SCHOOL ADDITION AND RENOVATION**

**DATE: 5/5/20**

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Please reference this Addendum on the bid form.

1. Reminder to review the "Instructions to Bidders". Bids are to be submitted on the **project bid form** in a **sealed envelope** per the plans/specifications in conjunction with the trade specific **bid scopes**. Emailed bids will not be accepted. Proper bid submission requirements are listed in the "Instructions to Bidders".
2. Reminder this project has multiple components: Two-story Classroom Addition, ROTC Building, Cafeteria Expansion, Classroom 222 Renovations and Classroom 403 Renovations. Project includes all plans and specifications for all components.
3. Bid bonds: A bid bond of an amount equal to or not less than five percent (5%) of the bid amount is to be included with the bids for bid packages that are \$500,000 and above. Refer to "Instructions to Bidders" for more information.
4. Payment/Performance Bonds: Please refer to the Instructions To Bidders for requirements for P&P Bonds.
5. Bid package BP-01A General Trades to include furnishing and installing and removing plywood or rigid foam to cover the (4ea) existing windows at the Cafeteria expansion. This is for protection of the glass during the demolition. Windows approximately 6'x6'.
6. Bid package BP-08B Aluminum Storefront/Glass/Glazing to install and remove frosted translucent film for the existing (4ea) windows at the cafeteria expansion. This will be to let light in the existing offices while keeping the project out of view. Windows approximately 6'x6'.
7. Addendum #1 Classroom 403 Drawing P101 shows a new plumbing drain for the new eyewash. BP-02A Selective demo to include a 4'x4' section of saw cut and removal. BP-03A Concrete to include patching back with dowels as needed, BP-09D Resilient Flooring to include floor patching. BP-22A Plumbing to include work per revised P101.
8. Clarification on Brick allowance forthcoming.

9. Door Modifications: Modifications to the hardware sets and specific doors as follows:  
Door 905/1 - Provide fire exit hardware Door 906/1; 918/1 - Provide fire exit hardware and smoke seal gasketing Door 907/1; 912/1 - provide gasketing Door 908/1; 917/1; 1012/1 - Omit wall stop and provide OH stop Door 909/1; 911/1; 913/1 - provide smoke seal gasketing Door hardware sets 07; 08; 010 - Add closers and smoke seal gasketing to the hardware sets.

10. Question: What is the existing DDC system in use at West Brunswick High School?

Answer: Please see the attached pdf document

11. Question: Cafeteria expansion detail 3 on A301 shows a vapor barrier (Latex primer sealer) applied to backside of 1<sup>st</sup> layer of drywall. There are lots of questions on this detail.

- This really needed on the inside of the building?
- If so is there another option/solution?
- What happens at the joints?
- What is this vapor barrier and has it been tested in the UL P578 assembly?

Answer:

1. The vapor is listed in the UL design (P-518) and is not noted as optional.
  2. Possibly a suspended fire rated ceiling below the joists but a quick look hasn't been promising.
  3. Joints taped and mudded on the inner layer of wallboard.
  4. A latex primer sealer, ASTM designation #D1653, applied to the back surface of the inner layer of wallboard. This is listed in the UL design and is not noted as optional. Yes it was part of the tested assembly.
- BP-09A Metal Stud Framing/Drywall/Insulation is to include this.

12. Question: Typically the pre-engineered building contractor will do the roof panels and wall panels on a pre-engineered building, will that be the case for the ROTC building?

Answer: That is correct. The ROTC building is a metal building and the metal roof associated with those come with and will be installed by the pre-engineered metal building sub.

13. Question: Page E101 in the main classroom addition shows "T.S" and "I.F.P" in the classrooms. Are these specialty boxes for the smartboards? Please provide a detail of these.

Answer: Data and receptacle outlets at T.S. and I.F.P. are mounted at standard heights, no special cabling or details required.

14. Question: Page E101 in the main classroom addition shows an "EPO" switch in room 918. Is this to kill power to some of the outlets in the room? If so, please advise which outlets.

Answer: EPO switch in Room [918] is required to cut power in the lab, see revised drawings E101, E502, & E601.

15. Question: Page E201 in the main classroom addition shows the exterior "L" lights being switched on by photocell only. Is there not to be a contactor to switch them on at the same time as the rest of the exterior lighting?

Answer: Type L fixtures have integral photocells, the Type K fixtures mounted under the canopy should be fed from the wall mounted photocell located outside Corridor [905] double doors.

16. Question: Drawing E-201 Classroom Addition indicates 2ea type C fixtures in first floor elevator shaft and 2ea type C fixtures in second floor elevator shaft.

The symbol is a small circle like a pit light, however type C fixture is scheduled as a 4' strip light that is installed in the open ceiling areas. Please confirm these strip lights wall mounted in the elevator shaft is what is wanted? If so, please advise on if installed vertical or horizontal.

Answer: These fixtures are 4' fixtures, they are mounted vertically on the shaft walls.

17. Question: The elevator pit lights on the first floor switch indicates it is to control second floor pit lights. First floor pit lights indicates circuit MDP-22 and second floor indicates lights are controlled from first floor switch but second floor lights are indicated a circuit MDP-16. Please clarify.

Answer: The lights in the top and bottom are switched from the same switch, circuit MDP-22 is the correct circuit for all 4 fixtures. MDP-16 should read MDP-22.

18. Question: Classroom Addition Sheet E-201 on the second floor indicates 2x2 fixtures with designation B2. These do not show up on the fixture schedule. Please advise if these should be B1?

Answer: B2 is the correct designator for these fixtures, B2 was left off the Lighting Fixture Schedule, see Sheet E602 for revised Lighting Fixture Schedule.

19. Question: How are the light fixtures attached to the new walkway canopy ceiling. Most canopies use the roof and column supports as drains. Please advise on conduit and light attachments.

Answer: Provide surface mounted (SM) conduit on the underside of the canopy along the left or right edge, provide a t-let conduit box to split off at each light. Provide shallow box for light, to be mounted in the recess portion of the corrugated top. Provide structural support as required at each light junction box.

20. Question: Detail 3/A302 Classroom Addition shows R19 insulation inside the stud cavity, outside of the CMU wall. Is insulation necessary at this location? If it is, it will need to be mineral wool due to its possible exposure to moisture during the construction process. Please clarify.

Answer: Fiberglass insulation may be omitted from stud cavity at the CMU wall locations.

21. Question: Detail 5/A501 Classroom Addition. Please confirm this detail applies to all exterior columns? Additionally, please confirm this required on the 1st floor only?

Answer: Detail applies to all columns in the exterior wall except as indicated in the details showing slight modifications for the columns that interface with the CMU walls. Fire rated columns are required for the first floor only. Refer to the Appendix B for clarification.

22. Question: ROTC Bldg.-Cut section 2/A401 shows 5/8" plywood, while details on A401 show 5/8" T&G plywood. Please clarify if all plywood is to be T&G?

Answer: All plywood shall be T&G.

23. Question: ROTC Bldg.-Please confirm the plywood is regular plywood and does not need to be fire rated.

Answer: Fire retardant treated plywood is not required. The flame spread and smoke developed by untreated plywood used as a finish wall material are within the limits required.

24. Question: ROTC Bldg.- Wall type 2F and 2G are scheduled/labeled as 3 5/8", however on the plan they scale to 6". Please advise/confirm which is correct.

Answer: Partition types 2F and 2G shall be 6" steel studs.

25. Question: Specification 1.6-A Lists an installer qualifications seems to indicate having to use a independent firestopping contractor. Please consider revising this requirement as this would allow subcontractors to perform their own firestopping related to their work.

Answer: Section 078443-1.6 deleted requirement.

26. Question: Specification 092216 2.2-B Non-Structural Metal Framing Section 2.2.B. Minimum base metal thickness is listed as 18 gauge for non-structural metal framing. This is much heavier and expensive than what would typically be required for non-structural use. Please confirm that the use of 20 Gauge dimpled studs is acceptable as long as it conforms to the 5PSF - L/240 requirement listed in section 2.1.B

Answer: 20 gauge studs are acceptable.

27. Question: Specification 092900 - Gypsum Board Section 2.3.B. Abuse Resistant Gypsum Board is listed in the specifications. On multiple finish schedules H.GWB is listed in some areas (High Impact Gypsum Wall Board). Please clarify if Abuse Resistant Gypsum Board is required on this project and if so, where. It is not the same product as High Impact Gypsum Wall Board as listed on the finish schedules. Please advise.

Answer: Changed Abuse Resistant to High Impact.

28. Question: Additional information/clarification is needed on the existing cafeteria door frame. Regarding tag 464/1 asking to certify existing frame to be labelled 90 minute fire rated. The following information is needed.

1. Is Frame Hollow Metal or Aluminum? If Aluminum It can not be certified by Hollow Metal suppliers
2. What are the dimensions and profile of the frame?
3. Who is The Manufacturer of the frame?
4. How old is the frame?
5. Is the existing Hardware to be reused Fire Rated? If not, new hardware must be used.
6. Please advise what the existing hardware is?

Answer:

1. Frame is hollow metal grouted solid.
2. TBD, access to the schools is not available this time.
3. Unknown.
4. Installed in 2001 - 2002
5. Unknown.
6. Panic exit devices, manufacturer unknown at this time. See item 2

29. Question: We have been unable to locate elevator pit waterproofing details. Please advise.  
Answer: Drawings have been revised to include pit waterproofing information. Specifications have been edited.
30. Question: Based on design meeting 4/23 it seems 1ea 1,000 gal tank will be sufficient. Can the civil, structural, arch drawings be updated to reflect those changes?  
6' Chain-link fencing with vinyl slats also needs to be added to the civil drawing.  
Answer: Drawings have been issued for Addendum #1  
BP-03A Concrete to review addendum drawings for revised propane tank pad.  
BP-32B Fencing to review addendum drawings and include added fencing and vinyl slats.
31. Question: Door 905/1 has a hardware group of 01. On sheet E101 this door is to receive a pedestal mounted card reader/door operator for ADA. Hardware spec 087100 page 13 does not seem to indicate this door (Hardware group No.01) receives a pedestal or door operator. Please clarify.  
Answer: Door #905/1 shall receive a pedestal mounted automatic door opener activation button and an automatic door opener/closer. The card reader shall be mounted on the same pedestal. Door 905/1 will require a separate hardware group. Pending revision of specification hardware sets.
32. Question: In Hollow Metal Specification 08113 Part 2 2.3 Doors call for Polyurethane or Polyisocyanurate Cores. Manufacturers do not have Polyisocyanurate Cores. Can Polystyrene cores be used/added as acceptable or must all non-fire rated doors be Polyurethane? Please Advise  
Answer: Remove polyiso cores and add polystyrene cores.
33. Question: In Hollow Metal Specification 08113 Part 2 2.3 Fire doors Calling for Manufacturers Standard Vertical Steel Stiffener Cores. Polystyrene Cores are also standard in Fire rated Doors. Would polystyrene be acceptable or are all Hollow Metal Fire Doors to be Steel Stiffened Core? Please Advise.  
Answer: Polystyrene is acceptable.
34. Question: Specification 123216 Paragraph 2.3.D. 1 and 2, on page 4, deals with Semi-exposed materials. Paragraph D.1 says to provide VGS plastic laminate for semi-exposed surfaces unless otherwise indicated. Paragraph D.2 seems to contradict this. It says to provide Thermoset Decorative Panels on semi-exposed surfaces. Please advise. For a balance of cost and quality, it has been recommend white Thermoset Decorative Panels. The industry is now referring to this material as "Thermally Fused Laminate." Would white Thermally Fused Laminate be acceptable? Please advise on what is acceptable.  
Answer: Thermally fixed laminate is acceptable for 2.3.D.1.
35. Question: Specification 123216 Paragraph 2.D.3 addresses metal for Steel Drawer Pans. Please confirm steel drawer pans are not required. We don't believe any of the manufacturers will do this. Paragraph 2.6.A.5 and 6 seems to contradict this as well. It calls for Particleboard or MDF material. Please advise.  
Answer: Steel drawer pans are not required.

36. Question: Specification 101423 panel signage section 2.2 B.1 and 5 detail a "Surface Finish & Applied Graphics" construction for the ADA Panel Signage. Please confirm/verify if an applied letter signage construction is to be considered acceptable on this project.  
-ADA compliant signs constructed with "Applied Letters/Graphics" are NOT Vandal Resistant.  
-The graphics are "glued" to the surface of the sign face and can easily be picked-off and removed.  
In educational facilities, this type of sign constructed is NOT recommended and we suggest utilizing a "one-piece" sign (no applied or glued on graphics) where the raised tactile text / graphics and braille are integral to the background material and cannot be picked-off or removed. Please advise.  
**Answer: Specification revised to include laminated sheet sign.**
37. Question: Drawing A201 details Cast Aluminum Letters on the ROTC building. Please provide specifications for the cast aluminum letters (Font and Finish)  
**Answer: Specification Section 101419 has been added.**  
**See Addendum. Bid Package BP-10B to include this specification in their scope of work.**
38. Question: Specification 123553.19 Paragraph 2.8.A. 11, 12 and 13 describes the drawer construction. Please confirm that steel drawer pans are not required. Our manufacturer provides hardwood plywood drawer boxes with dovetail joints at front and rear. Please advise  
**Answer: Hardwood drawer boxes are acceptable**
39. Question: Specification 123553.19 Paragraph 2.10.C Epoxy Countertops, Tabletops and Sinks: Paragraph a. 2) calls for Integral coved backsplash. We do not recommend this application. Walls have to be perfectly plumb for integral, coved backsplashes to work. I also don't think some manufacturers will quote integral backsplashes. Please accept applied backsplashes. Please advise.  
**Answer: Applied backsplashes are acceptable.**
40. Question: Specification 123553.19 Paragraph 2.10. 2. a calls for tabletop to be 5/8" thick, and in 2. B it calls for it to be Epoxy composition not less than 1/4" thick. We are not sure we understand what this is trying to say. Would 3/4" Phenolic Resin for the student tabletops be acceptable? Unless there is use of harsh chemicals, Phenolic resin will be a very adequate alternative than epoxy resin, at a cost savings. Please advise if Phenolic resin can be used.  
**Answer: Phenolic resin tops are acceptable.**
41. Question: Classroom Addition Sheet A602 list exterior aluminum doors 900/2, 905/1 and 920/2 to be fire rated. It is odd to have fire rated doors at exterior locations. Normally fire rated doors are within a space to prevent fire from spreading room to room. These exterior doors are for egress and not to contain a fire. Please advise.  
**Answer: Doors 900/2, 905/1 and 920/2 are NOT required to be fire rated. Door schedule will be revised in the Addendum drawings.**

42. Question: Based on design meeting call 4/23 sounds like there needs to be a BDA closet in WBHS cafeteria expansion. We see the location on the electrical drawings, but we don't see the "closet". Please advise.

Answer: BDA closets will be shown on the floor plans and door schedule on the Addendum drawings.

43. Question: Based on design meeting call 4/23 sounds like there will be a BDA closet in the ROTC building. The WBHS ROTC which is currently out to bid will need to be revised also. Please advise.

Answer: BDA closet will be shown on the floor plans and door schedule on the addendum drawings.

44. Question: Classroom 222 door schedule does not indicate which door hardware groups to use. Please advise.

Answer: Door 222A/1 and 222B/1 provide Hardware Group 010. Add a closer to each door.

45. Question: Hardware schedule does not seem to indicate or list the electric locks (Basis of design/owner preferred Schlage AD 300) Please clarify.

Answer:

1. Basis of Design for Electric Locks is Schlage WRI 400.
2. Lock sets that have electric locks are 01, 02, and 013.
3. Hardware set 01: add a remote button activated ADA automatic door opener/closer mounted on a pedestal.
4. Mount card reader on the same pedestal.

BP-08A Doors/Frames/Hardware (Alt. to Install) See bid form for Owner Preferred alternate for AD300 locks.

46. The **"Project Manual"** referenced is the combination of:

- 1.1 Project Team
- 1.2 Instructions to bidders
- 1.3 Supplementary Instructions to Bidders
- 1.4 Substitution Request Form
- 1.5 Example Contract
- 2.1 Bid Bond Requirement
- 2.2 Bid Form
- 3.1 Bid Package listing
  - Bid Package per specific scope you are bidding
- 4.1 Schedule
- 5.1 Site Logistics Plan
- 6.1 Safety Orientation
- 7.1 Standards form CMR Subcontractors Proposals
- 7.2 Change Order Form
- 7.3 Standard CO Forms B-1 and B-2
- 7.4 Form of Performance and Payment Bond
- 7.6 Form A Sexual Offender Registry Check Certification Form
- 7.7 Prebid RFI Form

This information is located in the plan room.