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May 3, 2012

Mr. Wes Weaver, President
Weaver Construction Management, Inc.
3679 South Huron Street, Suite 404
Englewood, CO 80110

Via Email to: wes@weavercm.com
No Hard Copy to Follow

Re: Harold D. Thompson Regional Water Reclamation Facility (HDTRWRF)
Lower Fountain Metropolitan Sewage Disposal District (LFMSDD)

Dear Wes:

Reference is made to your shop submittal identified as follows:

Submittal No.:	08710-002
Original Date of Submittal:	January 27, 2012
REVISIONS Submitted:	April 18, 2012
Title:	Hollow Metal Doors/Frames and Finish Hardware for Equipment and Maintenance Building
Specification Sections:	08100 – Metal Doors and Frames 08710 – Finish Hardware
Manufacturers:	Hager Co.; Stanley phi; Kaba Ilco; Reese Enterprises, Inc.; Cal-Royal Products, Inc.; Ives; Newco Door & Hardware, LLC; National Guard Products, Inc.; Pioneer Industries; Simplex

The referenced submittal has been stamped "**No Exception Taken**", "**Make Corrections Noted**" and "**Revise and Resubmit**". Our comments are as follows:

1. We acknowledge receipt of the WCMI submittal review comments. Our responses to the comments are as follows:
 - a. Note No. 1: The Hager Co. BB1199 hinge is an acceptable hinge for this project.
 - b. Note No. 2: Comments on Page 3 provided by the supplier will be addressed individually in these comments.
 - c. Note No. 3: Equivalent product/material data has been provided in the submittal. We acknowledge receipt and will review it as part of this submittal.
 - d. Note No. 4: Girt elevations relative to the exterior door frames are a part of the construction administration/construction management and should be addressed with WCMI.
 - e. Note No. 5: We acknowledge the door manufacturer/supplier as being Pioneer Industries. Please reference our comments in this submittal.

- f. Note No. 6: The vision lite has been placed on the hinge side of the door for a specific purpose and therefore, that is the desired location.
2. Page 3 of the submittal has numerous job notes. The following is our response to the notes provided by the door manufacturer/supplier.
 - 1) This building, as indicated on the cover sheet of the submittal for the Equipment and Maintenance Building, is an unmanned structure. Access to the building is to be limited to operation and maintenance personnel only. Therefore, the door vision lites meeting the 42" ADA compliance is not a requirement.
 - 2) Door D-EM8 is equipped with an exit device as stated by the manufacturer/supplier. In accordance with Specification Section 08710, Paragraph 2.1.D., exit devices are to include an outside lever and cylinder.
 - 3) Manufacturer/supplier has questioned the door opening identified as D-EM12. We note the following:
 - As indicated by the manufacturer/supplier, this door should swing to the vehicle bay side and should be designated as a right-hand reverse (RHR) swing door with a hardware set of E. This hardware set has the exit device on the inside and in accordance with the project specifications, an outside lever and cylinder are required.
 - 4) The manufacturer/supplier questioned whether D-EM9 and D-EM10 should have locksets. They are not to have locksets per direction provided by the Owner.
 - 5) The manufacturer/supplier questioned whether the hardware set G for door opening D-EM11 should have a privacy set. The manufacturer/supplier is correct in that it should have a privacy set installed.
 - 6) The manufacturer/supplier has questions regarding the jambs and whether they have 4-inch heads. We request the manufacturer/supplier coordinate with WCMI, the Contractor, and the metal building manufacturer. All coordination for construction issues should be addressed with them and they will not be addressed in this shop submittal response.
 - 7) The manufacturer/supplier has questioned wall thicknesses. We request the manufacturer/supplier reference Note No. 1 on Sheet EM-2 which states, "Room dimensions based on nominal wall thickness of 4-3/4" for gypboard covered stud walls. See Sheet EM-10 for location of 6" and 8" steel stud walls." The manufacturer/supplier should coordinate this with the Contractor.
 - 8) Based upon our review, the thresholds and sweeps shown in the shop submittal appear to address the needs of the project. The thresholds are shown as being 1/2" high and the sweeps are also 1/2" high with a 3/8" clearance to the bottom of the bracket. We recommend installing the thresholds and sweeps as shown on the submitted documents.
 - 9) Please reference the following responses in regard to the levers to be utilized in conjunction with the mechanical pushbutton locksets.

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3. Shop Submittal Page 5

a. Hardware Set A for door D-EM2 and D-EM3: ***Make Corrections Noted***

- 1) The vision lite has been identified in the door description; however, please verify the vision lite is to be placed on the hinge side of the door.

b. Hardware Set D for door D-EM13: ***Make Corrections Noted***

- 1) The vision lite has been identified in the door description; however, please verify the vision lite is to be placed on the hinge side of the door.

4. Shop Submittal Page 6

a. Hardware Set D for door D-EM1: ***Make Corrections Noted***

- 1) The vision lite has been identified in the door description; however, please verify the vision lite is to be placed on the hinge side of the door.

5. Shop Submittal Page 7

a. Hardware Set E for door D-EM8: ***Make Corrections Noted***

- 1) Confirm the exit device has an outside lever and cylinder per the project specifications.

b. Hardware Set E.1 for door D-EM12: ***Make Corrections Noted***

- 1) The shop submittal shows this door having a right-hand reverse opening which is correct.
- 2) Confirm the exit device has an outside lever and cylinder per the project specifications.

6. Shop Submittal Page 8

a. Hardware Set F for doors D-EM9 and D-EM10: ***Make Corrections Noted***

- 1) As previously indicated, the storage room doors do not have locksets.

b. Hardware Set G for door D-EM11: ***Make Corrections Noted***

- 1) As previously noted by the manufacturer/supplier, this door should have a privacy lockset installed.

7. Architectural Hinges, Hager Co. Model BB1199: ***No Exception Taken***

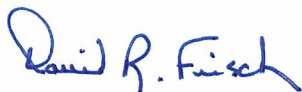
8. Stanley phi Apex 2100 Series Rim Exit Device: **Make Corrections Noted**
 - a. The exit device appears acceptable; however, it is not indicated whether an outside lever and cylinder is included with the device which is required at all locations where exit devices are required.
9. Kaba Ilco Corporation Model UNICAN® LP1000 Series Exit Device Controls: **No Exception Taken**
10. Stanley Model D-4551 Series Door Closer: **No Exception Taken**
11. Ives Floor Door Stop & Manual Holder: **Revise and Resubmit**
 - a. The submittal indicates the FS446 is to be used. The project specifications call for an FS450 which is on the cut sheet provided. We request the FS450, as specified, be used.
12. Hager Co. Model 190S Door Kick Plate: **Revise and Resubmit**
 - a. We take no exception to the Model 190S. The size of the plate to be provided has not been included which is 10" high x a width that is 2" less than the door width.
13. Reese Enterprises, Inc. Model S426A 36" Wide Threshold: **No Exception Taken**
14. Cal-Royal Products, Inc. Latch Guard Protector Model GJLPG2: **No Exception Taken**
15. Reese Enterprises, Inc. Model 678A Silicone Weatherstrip with Milled Aluminum Exterior: **No Exception Taken**
16. Reese Enterprises, Inc. Model DB594A Milled Aluminum Door Shoe: **No Exception Taken**
17. Hager Co.
 - a. Model 3410 Latchbolt Set with Withnell Lever: **No Exception Taken**
 - b. Model 3440 Privacy Latchbolt Set with Withnell Lever: **No Exception Taken**
 - c. Model 280X Dust Proof Strike: **No Exception Taken**
 - d. Model 282D Manual Flush Bolt: **No Exception Taken**
18. Cal-Royal Products, Inc. Model IVHP23 Jumbo Heavy Duty Hinge Pin Door Stop: **No Exception Taken**
19. Frame Elevations
 - a. Page 1, Elevation A – Single Frame for doors D-EM2, D-EM3 and D-EM13: **No Exception Taken**

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- b. Page 1, Elevation – Double Frame for door D-EM1: **No Exception Taken**
 - c. Page 2, Elevation – Single Frame for doors D-EM8, D-EM9, D-EM10 and D-EM11: **Make Corrections Noted**
 - 1) These doors are all single frame doors and all 3'-0" x 7'-0". Please note these doors have different vision lites in the doors.
 - d. Page 2, Elevation – Double Frame for door D-EM12: **Make Corrections Noted**
 - 1) This door is listed under double frame doors. This is a single frame door.
 - 2) Door D-EM12 is listed which is a 3'-6" x 7'-0" door. The door is listed as having a left-hand swing which is now modified to have a right-hand reverse (RHR) swing.
20. Door Layout with Vision Lites: **No Exception Taken**
21. National Guard Products, Inc. Model L-FRAA100 Low Profile Self-Attaching Lite Kit: **No Exception Taken**
22. Pioneer Industries Doors
- a. We take no exception to the use of the Pioneer Door with the following condition:
 - As previously noted, the vision lite location next to the latchset is not acceptable. The location of the vertical vision lite should be on the hinge side of the door.
23. All other components of the doors appear to meet the project specifications.

Please call if you should have any questions.

Sincerely,



David R. Frisch, P.L.S.

DRF/kmw

ec (letter only):

Mr. Jim Heckman, Manager, LFMSDD, lfmanager@lfmsdd.org
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cc: Mr. Jerry Miller, Resident Project Representative, GMS, Inc.