

DATE: **July 1, 2011** GSG PROJECT #: **1857**

PROJECT: **Community Health Center of Central Wyoming**

OWNER: **Community Health Center Board**

BID DATE/TIME: **July 6, 2011 at 7:00 p.m.**

BID LOCATION: **GSG Architecture
606 David Street, Casper, WY 82601**

This addendum shall be considered part of the Contract Documents for this Project and must be returned with all other Contract Documents after the bid date. Where provisions of the following items differ from those of the original Contract Documents, this addendum shall govern and take precedence.

Acknowledgment of the receipt of this Addendum shall be noted by the Contractors on the Form of Proposal.

GENERAL CLARIFIATIONS

1. On the Material Legend on Sheet L0-0 the Rock Mulch defined within the Shrub Bed Planting is the same Rock Mulch included within the Ornamental Grass & Shrub Planting. Weed Barrier shall also be provided at this planting group per detail 2/L4-0.

MODIFICATIONS TO THE PROJECT MANUAL

2. **ADD Section 051213 – Architecturally Exposed Structural Steel.** - Included within this addendum.
3. **Section 102260 – Operable Partitions**

A. **REVISE** Paragraph 2.02, B: Track: Type 26 for **Panel Type 631 (Omni-Directional) ADD to end**

Optional Type 38 (for X, L, or T intersections and panels weighing up to 400 lbs.): Each panel shall be supported by two 1-wheel horizontal rotating carriers. Wheel to be of precision ground steel ball bearings with heat treated and hardened races encased with molded polymer tires.

Optional Type 38 (for curves and diverts and panels weighing up to 600 lbs.): Each panel shall be supported by two 4- wheel carriers.

B. **ADD** Paragraph 2.02, **D: Track: Type 40 for Panel Type 632 (paired)**

Track shall be of clear anodized architectural grade extruded aluminum alloy 6063-T6. Track design shall provide precise alignment at the trolley running surfaces and provide integral support for adjoining ceiling, soffit, or plenum sound barrier. Track shall be connected to the structural support by pairs of minimum 3/8" [10] dia. threaded steel hanger rods. Guide rails and/or track sweep seals shall not be required.

- a. Each panel shall be supported by one 4-wheeled carrier. Wheels to be of hardened steel ball bearings encased with molded polymer tires.

MODIFICATIONS TO THE DRAWINGS

1. **Sheet L0-0 – Landscape Notes**

A. Material Legend: **ADD - on Weed Barrier** to end of Ornamental Grass & Shrub Planting on Rock Mulch.

Ornamental Grass & Shrub Planting on Rock Mulch on Weed Barrier

2. Sheet A7.1 – Partition Types & Details

A. Details 2, 3, 4: **CHANGE** to **3-5/8" x 1-1/4" flange width x 20 gauge metal studs.**

3. Sheet A8.1 – Door Schedule

A. Door 2003B: **CHANGE** width from 21'-6" to **24'-4"**.

B. Door 2005B: **CHANGE** width from 21'-6" to **24'-4"**.

C. Door 2006B: **CHANGE** width from 21'-6" to **24'-4"**.

4. Sheet S2.3A – Roof Framing Plan - North

A. Add Tube Steel support at pocket of Operable Panel 2005B per sketch included within this addendum.

SECTION 051213
ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING

PART 1 GENERAL

1.01. SUMMARY

- A. Section Includes: Architecturally exposed structural-steel framing, including shop-applied finishes.
 - 1. Requirements in Division 05 Section "Structural Steel Framing" also apply to AESS framing.
- B. Related Sections:
 - 1. Division 01 Section "Quality Requirements": Independent testing agency procedures and administrative requirements.
 - 2. Section 099600 – High Performance Coatings.

1.02. DEFINITIONS

- A. Architecturally Exposed Structural Steel: Structural steel designated as "fabricated steel plate channel shape section" or any structural steel exposed to view in the Contract Documents.

1.03. SUBMITTALS

- A. Steel Procurement Documentation: Submit documentation demonstrating that steel products used in the Project comply with the "Steel Products Procurement Act."
- B. Shop Drawings: Show fabrication of AESS components. Shop Drawings for structural steel may be used for AESS provided items of AESS are specifically identified and requirements below are met for AESS.
 - 1. Include details of cuts, connections, splices, camber, holes, and other pertinent data.
 - 2. Include embedment drawings.
 - 3. Indicate welds by standard AWS symbols, distinguishing between shop and field welds, and show size, length, and type of each weld. Show backing bars that are to be removed and supplemental fillet welds where backing bars are to remain. Indicate grinding, finish, and profile of welds.
 - 4. Indicate exposed surfaces and edges and surface preparation being used.
 - 5. Indicate special tolerances and erection requirements.
- C. Finish Samples: Submit samples of AESS to select surface treatment and set quality standards for exposed welds and surface finishes.
 - 1. Weld Samples: Two steel plates, 3/8 by 12 by 6 inches (9.5 by 300 by 150 mm), with long edges joined by a groove weld and with weld ground smooth.
 - 2. Steel Finish Samples: Steel plates, not less than 20 by 20 inches (500 by 500 mm), with range of glass bead finishes for Architect's selection.
 - 3. Produce the number of finish Samples as directed by Architect to explore variations in finishes and textures produced by various glass bead sizes, until an approved verification Sample is produced to establish appearance characteristics for AESS finishes.
 - 4. Apply specified lacquer coating to finish samples as directed by Architect.
- D. Qualification Data: For qualified Installer, fabricator, and finisher to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

1.04. QUALITY ASSURANCE

- A. Special Considerations for Installation Quality: It is the Owner's intention to obtain the highest level of quality for installation of AESS, with respect to the attributes indicated below:
1. Perform steel fabrication, connections, surface preparation, finishing, and erection to produce AESS assemblies that are precise in location and alignment of individual members and in relationship to other construction, with members accurately fitted together to form tight joints and precisely fit connections, and with consistent overall appearance.
 2. The Work specified in this Section shall be performed to comply with the Owner's objectives for optimum quality of installation.
- B. Finisher Qualifications: A qualified metal finishing shop experienced in applying glass bead finishes and lacquer coatings to structural steel surfaces similar to that required for the Project, and with a record successful in-service performance.
1. Finishing shop shall be approved by Architect.
- C. Mockups: Build mockups of AESS to set quality standards for fabrication and installation.
1. Build portion of AESS as part of integrated building mockup shown on Drawings.
- D. Finish Shop Observation: Notify Architect seven days in advance of dates and times when shop finishing will be started for AESS. Arrange for shop visits by Architect at stages during the finishing process as requested by Architect.
1. Meet with Architect at finishing shop, with metal finisher present, to review finishing procedures and processes, and requirements for observation.
 2. Demonstrate the proposed range of aesthetic effects and workmanship at each stage of finishing.
 3. Obtain Architect's approval at each stage of finishing application before proceeding with subsequent stages.
- E. Preinstallation Conference: Conduct conference at Project site to review installation conditions and quality requirements, including special considerations for installation quality to comply with the Owner's objectives as indicated.

1.05. PRODUCT HANDLING

- A. Use special care in delivery, handling and storage of AESS to prevent twisting, warping, nicking, and other damage, including damage to shop finishes. Store materials to permit easy access for inspection and identification. Keep steel members off ground and spaced by using pallets, dunnage, or other supports and spacers. Protect steel members and packaged materials from corrosion and deterioration.
1. Do not store materials on structure in a manner that might cause distortion, damage, or overload to members or supporting structures. Repair or replace damaged materials or structures as directed.

1.06. PROJECT CONDITIONS

- A. Field Measurements: Where AESS is indicated to fit against other construction, verify actual dimensions by field measurements before fabrication.

PART 2 PRODUCTS

2.01. FABRICATION

- A. Shop fabricate and assemble AESS to the maximum extent possible. Locate field joints at concealed locations if possible. Detail assemblies to minimize handling and to expedite erection.
- B. In addition to special care used to handle and fabricate AESS, comply with the following:
 - 1. Fabricate with exposed surfaces smooth, square, and free of surface blemishes including pitting, rust, scale, and roughness.
 - 2. Grind sheared, punched, and flame-cut edges of AESS to remove burrs and provide smooth surfaces and edges.
 - 3. Fabricate AESS with exposed surfaces free of mill marks, including rolled trade names and stamped or raised identification.
 - 4. Fabricate AESS with exposed surfaces free of seams.
 - 5. Remove blemishes by filling or grinding or by welding and grinding, before cleaning, treating, and shop finishing.
 - 6. Fabricate with piece marks fully hidden in the completed structure or made with media that permits full removal after erection.
 - 7. Fabricate AESS to the tolerances specified in AISC 303 for steel that is designated AESS.
- C. Coping, Blocking, and Joint Gaps: Maintain uniform gaps of 1/8 inch (3.2 mm) with a tolerance of 1/32 inch (0.8 mm) for AESS.

2.02. SHOP CONNECTIONS

- A. Weld Connections: Comply with AWS D1.1/D1.1M for tolerances, appearances, welding procedure specifications, weld quality, and methods used in correcting welding work, and comply with the following:
 - 1. Assemble and weld built-up sections by methods that will maintain true alignment of axes without exceeding specified tolerances.
 - 2. Use weld sizes, fabrication sequence, and equipment for AESS that limit distortions to allowable tolerances.
 - 3. Provide continuous welds of uniform size and profile where AESS is welded.
 - 4. Grind butt and groove welds flush to adjacent surfaces within tolerance of plus 1/16 inch, minus 0 inch (plus 1.5 mm, minus 0 mm) for AESS.
 - 5. Remove backing bars or runoff tabs; back-gouge and grind steel smooth for AESS.
 - 6. At locations where welding on the far side of an exposed connection of AESS occurs, grind distortions and marking of the steel to a smooth profile aligned with adjacent material.
 - 7. Make fillet welds for AESS oversize and grind to uniform profile with smooth face and transition.

2.03. SHOP FINISHING

- A. Surface Preparation: Clean surfaces before applying glass bead finish. Remove loose rust and mill scale and spatter, slag, or flux deposits. Remove grease, oil, dirt, fingerprints and other contaminants from steel surfaces. Prepare surfaces to remove scratches and other surface imperfections.
- B. Glass Bead Finishing: Produce non-directional satin finish with consistent, nonmottled surface matching approved finish Samples, applied by kinetic impact of glass spheres onto surfaces of AESS that will be exposed to view in the completed Work.

1. Glass Bead Sizes: Use beads with combination of mesh size and grit size as determined from finish Samples and as approved by Architect.
 2. Process: Use mechanical finishing equipment specifically designed for application of glass bead finishes on metal surfaces, involving feeding glass beads from a hopper into a high-pressure stream of clean, dry air; with outlet to spray the glass beads at high speed onto surface of metal.
 - a. Provide separator for removing shattered beads; recycle only whole spherical beads back into hopper.
 3. Application: Control application process carefully to eliminate hazing, mottling, and other inconsistencies in the surface texture.
 - a. Ensure that glass beads of consistent size and quality are used in application process, free of shards and foreign materials.
 - b. Develop a sequential travel path for glass bead application, to produce even, uniform texture over entire surface area indicated for treatment.
 - c. Provide oil-free, water-free supply of compressed air to prevent watermarking of the surface.
 - d. Establish correct, uniform application pressure to produce results with consistent appearance. Do not alter pressure during application process.
- C. Handling: Use clean gloves to handle steel materials during and after glass bead finishing, to avoid leaving fingerprints on newly blasted surfaces.
- D. Surface Cleaning: Clean surfaces after completing glass bead finishing and before applying lacquer coating.
1. Remove dust by blasting with clean air.
 2. Clean metal surfaces using thinner recommended by lacquer manufacturer, wiped dry with clean cotton waste.
 3. Perform at least two applications of cleaning thinner. If dirt is found in the waste, repeat cleaning steps until cotton waste is clean.
 4. To prevent streaking, avoid evaporation of thinner before it can be wiped dry. Follow lacquer manufacturer's recommendations for adjusting thinner products for finishing large areas of steel.
- E. Lacquer Coating Finish: Immediately after cleaning, apply lacquer according to manufacturer's written instructions and at rate to produce the minimum dry film thickness recommended by manufacturer. Use clean spray equipment. Use application methods that result in full coverage of joints, corners, edges, and exposed surfaces.
1. Clear, Organic Coating: Lacquer specified for steel surfaces, applied by air spray in three coats per manufacturer's written instructions, with interim drying.
 - a. Thin lacquer as needed, following lacquer manufacturer's recommendations for products and procedures.

PART 3 EXECUTION

3.01. EXAMINATION

- A. Verify, with steel erector present, elevations of concrete- and masonry-bearing surfaces and locations of anchor rods, bearing plates, and other embedments for compliance with requirements.

1. Prepare a certified survey of bearing surfaces, anchor rods, bearing plates, and other embedments showing dimensions, locations, angles, and elevations.
- B. Examine AESS for twists, kinks, warping, gouges, and other imperfections before erecting.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02. PREPARATION

- A. Provide temporary shores, guys, braces, and other supports during erection to keep AESS secure, plumb, and in alignment against temporary construction loads and loads equal in intensity to design loads.
- B. Remove temporary supports when permanent structural steel, connections, and bracing are in place unless otherwise indicated.
- C. Locate welded tabs for attaching temporary bracing and safety cabling where they will be concealed from view in the completed Work.

3.03. ERECTION

- A. Set AESS accurately in locations and to elevations indicated and according to AISC 303 and AISC 360.
 1. Erect AESS to the tolerances specified in AISC 303 for steel that is designated AESS.
- B. Do not use thermal cutting during erection.

3.04. FIELD CONNECTIONS

- A. Weld Connections: Comply with requirements in "Weld Connections" Paragraph in "Shop Connections" Article.
 1. Remove backing bars or runoff tabs; back-gouge and grind steel smooth.
 2. Remove erection bolts, fill holes, and grind smooth.
 3. Fill weld access holes and grind smooth.

3.05. FIELD QUALITY CONTROL

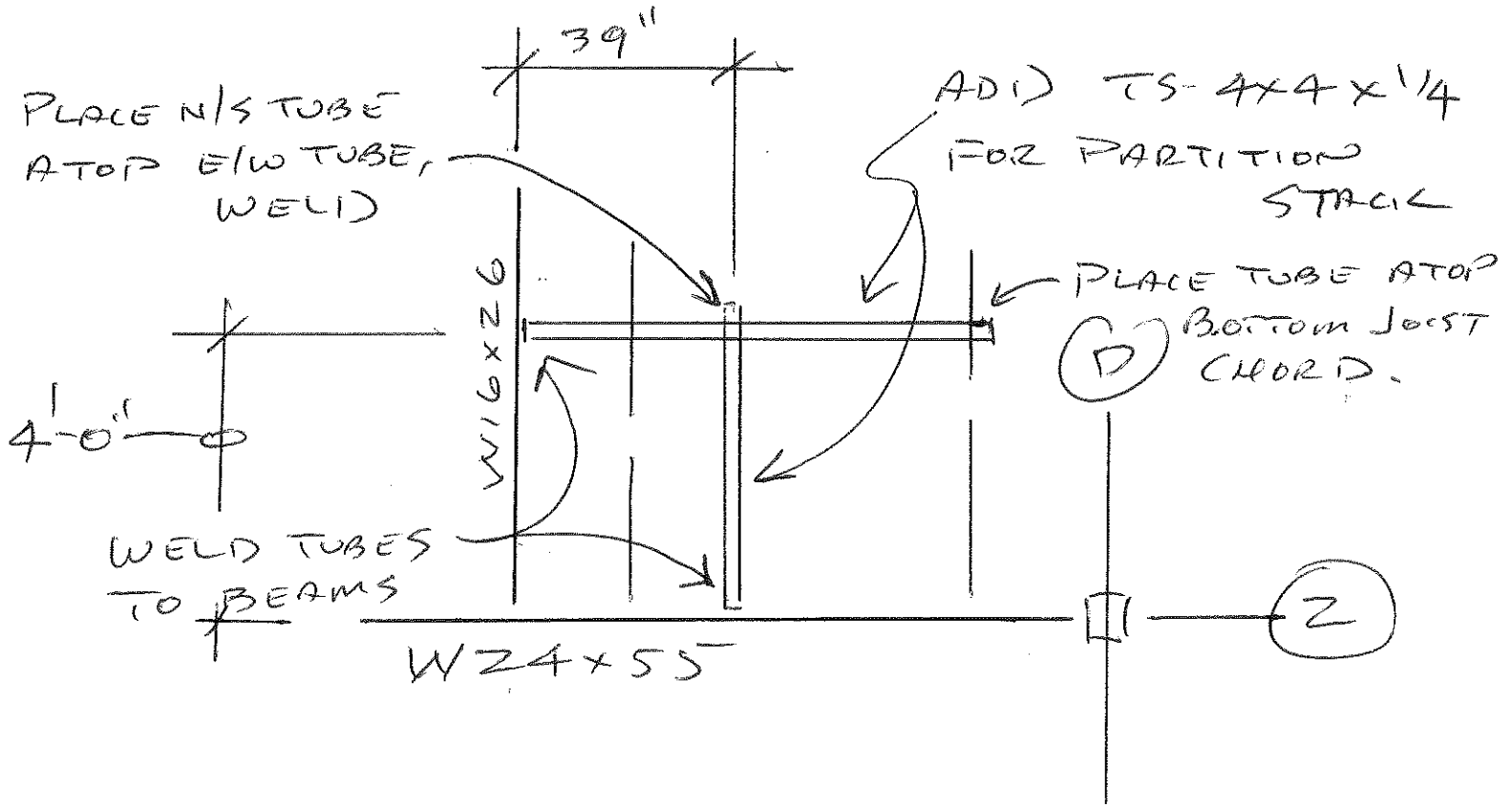
- A. Testing Agency: Owner will engage a qualified independent testing and inspecting agency to inspect AESS as specified in Division 05 Section "Structural Steel Framing." The testing agency will not be responsible for enforcing requirements relating to aesthetic effect.
- B. Architect will observe AESS in place to determine acceptability relating to aesthetic effect.

3.06. REPAIRS AND PROTECTION

- A. Remove welded tabs that were used for attaching temporary bracing and safety cabling and that are exposed to view in the completed Work. Grind steel smooth.
- B. Protect finishes of AESS from damage during construction period with temporary protective coverings approved by fabricator and finisher. Remove protective covering at the time of Substantial Completion.

- C. Touchup Finish: Immediately after erection, clean field welds and abraded areas of shop finish, and refinish exposed areas with the same material as used for shop finishing.

END OF SECTION



ADDITIONAL FRAMING @
 FOLDING PARTITION
 SH. T. S2.3A
