

This addendum shall be considered part of the original Technical Design Guidelines document as though it had been issued at the same time and incorporated integrally therewith. Where provisions of the time and supplementary data differ from those of the original documents, this addendum shall govern and take precedence.

DIVISION 08- OPENINGS

1) Section 8.05 Aluminum-Framed Entrances and Storefront, Subsection A, Aluminum Entrances, ADD:

- a. *Hardware Preparation: Prepare and reinforce doors and door frames for hardware.*
 - 1. *Mortising, reinforcing, drilling, and tapping for mortised hardware shall be done at the factory.*
 - 2. *Wherever possible, concealed steel reinforcement for surface-applied hardware shall be installed at the factory. The drilling and tapping for surface-applied hardware shall be done in the field.*
- b. *Reinforced Mullion: Same profile as non-reinforced frames, of extruded aluminum cladding with internal reinforcement of steel shaped structural section.*
- c. *Reinforcement: Concealed reinforcements for hardware indoors and frames and mullions shall be plated or galvanized steel and shall be secured in place.*
 - 1. *Fabricate doors and frames allowing for minimum clearances and shim spacing around the perimeter of assembly, yet enabling installation.*
- d. *Rigidly fit and secure joints and corners with internal reinforcement, except that door corners will be welded. Make joints and connections flush, hairline, and weatherproof.*
- e. *Prepare components to receive anchor devices. Fabricate anchorage items.*
- f. *Arrange fasteners, attachments, and jointing to ensure concealment from view.*
- g. *Prepare components with internal reinforcement for door hardware.*
- h. *Reinforce framing members for imposed loads.*

DIVISION 10- SPECIALTIES

2) Section 10.08 Toilet Accessories, Subsection A, REVISE to read as follows:

- A. *A/E shall indicate all accessories on both floor plans and interior elevations. All accessories shall be mounted in compliance with applicable IBC and ADA requirements. When the code-required mounting dimension is a minimum or maximum, the A/E should locate the accessory and indicate a dimension so as to provide for appropriate construction tolerance.*
 - 1. *The following accessories will be owner furnished/contractor installed:*
 - a. *Soap dispenser: Gojo 9034-12 800ml dispenser. Provide one at every two lavatories and at classroom sinks.*
 - b. *Paper towel dispenser: Georgia Pacific SofPull Mechanical Hardwound Roll Towel Dispenser. Provide in the following locations:*
 - c. *Group restrooms, employee restrooms, nurses' office, principal's office, locker rooms, and classroom sinks.*
 - d. *Roll toilet paper holder: Georgia Pacific 59012 Jumbo Bath Tissue Dispenser 12 in capacity. Provided in all toilet stalls and single user toilets.*

2. The following accessories will be contractor furnished/contractor installed:
 - a. *Heavy-duty, vandal-resistant accessories shall be selected, including but not limited to the following listed items:*
 - i. *Coat hook and doorstop for each toilet stall.*
 - ii. *Sanitary napkin receptacle shall be installed at women's restroom in secondary schools and faculty facilities. One per stall.*
 - iii. *Framed mirror over each sink. 18 gage Type 430 stainless steel mirror with bright polished finish and frame at middle and high schools. Mirrored glass surface with a satin stainless steel frame at the administrator's teacher's restrooms, and elementary schools.*
 - iv. *Stainless steel grab bars in accessible stalls installed per ADA/TAS requirements. Provide wood blocking in walls at mounting locations.*
 - v. *Reversible Folding Shower Seat shall be water resistant, ½" thick solid phenolic with stainless steel frame, mounting brackets and self-locking mechanism.*
 - vi. *Shower Curtain Rods shall be heavy duty with a stainless steel finish. Shower curtain shall be heavy duty, opaque, matte white vinyl containing antibacterial and flame retardant agents.*
 - vii. *Seat Cover Dispensers: Acceptable product is Bobrick B-221 Classic Series surface mounted seat cover dispenser. Dispensers are only to be installed above water closets in all adult/staff restrooms.*
 - viii. *Provide mop/broom holder with shelf adjacent to all mop sink locations.*

DIVISION 21 – FIRE SUPPRESSION

- 3) **Section 21.06, Design Criteria, Subsection D, Clean Agent Fire Suppression Systems, Item D1, Page 115, CLARIFICATION:**

1. Clean agent systems are only required in rooms with high-value critical systems. These are to be coordinated on a case-by-case basis with YISD.

DIVISION 22 – PLUMBING

- 4) **Section 22.10, Design Criteria, Subsection B, Hot Water Systems, Item 6 Circulating Systems, subsection c, Valves and Trim, Page 121, CORRECTION:**

In line circulators shall be Armstrong stainless steel or brass body type.

- 5) **Section 22.10, Design Criteria, Subsection C, Sanitary Drainage, Item 3, Piping-Above Grade, Page 123, CLARIFICATION:**

All interior and exterior waste and vent piping shall be schedule 40 PVC solid core piping. Cast iron soil pipe allowed as recommended by Design Professional. SDR-35 allowed for site sewer lines as recommended by Design Professional.

6) Section 22.10, Design Criteria, Subsection E, Storm Drainage, Item 4, Piping, an Above-Grade, Page 123, CLARIFICATION:

All interior and exterior storm and roof drain piping shall be schedule 40 PVC solid core piping. YISD shall consider alternate pipe materials as recommended by Design Professional.

7) Section 22.10, Design Criteria, Subsection G, Gas System, Item 8, Piping, b, 124, CORRECTION:

b. All gas lines running on roof shall be welded up to the threaded or flanged gas cock service valve or regulator.

8) Section 22.10, Design Criteria, Subsection G, Gas System, Item 8, Piping, Page 124, ADD:

d. Gas manifold serving kitchen appliances shall be welded up to the threaded/flanged gas cock service valve.

9) Section 22.10, Design Criteria, Subsection L, Fixtures and Equipment, Item f, i, Plumbing Fixtures: Water Closets, Page 128, CORRECTION:

Water closets shall be Kohler or American Standard, preferably. YISD shall consider alternate manufacturers as recommended by Design Professional.

10) Section 22.10, Design Criteria, Subsection L, Fixtures and Equipment, Item f- ii, Plumbing Fixtures: Urinals, Page 128, CORRECTION:

Manual flush valve for urinals shall be Zurn Z-6003 AV EWS .5gpf.

11) Section 22.10, Design Criteria, Subsection L, Fixtures and Equipment, Item f- iii, Plumbing Fixtures: Lavatories, Page 129, CORRECTION:

Lavatories shall be countertop mounted, four-inch center, and three-hole type in bathrooms. Wall hung lavatories allowed as recommended by Design Professional

12) Section 22.10, Design Criteria, Subsection L, Fixtures and Equipment, Item f-vi, Plumbing Fixtures: Acceptable Water Coolers, CORRECTION:

vi. Acceptable Water Coolers Models: Where Dual Height Required- HTHB-HVRGRN8BL-WF (Halsey Taylor HydroBoost Bottle Filling Station with Bi-Level Vandal-Resistant Green Cooler, Filtered, 8 GPH, Stainless). Where Single Height is required- HTHB-HVRGRN8-WF (Halsey Taylor HydroBoost Bottle Filling Station with Single Level Vandal-Resistant Green Cooler, Filtered, 8 GPH, Stainless)

13) Section 22.10, Design Criteria, Subsection L, Fixtures and Equipment, Item f-vi, Plumbing Fixtures: Janitor Sinks, Page 129, CORRECTION:

vi. Service Sinks in custodial rooms may be stainless steel or plastic utility sinks.

DIVISION 23 – HVAC

14) Section 23.16, HVAC Equipment, Subsection C, Water Chilling Units, Item 3. Page 143, Water Chilling Units, CLARIFICATION:

The 10 deg. Delta T can be varied by the design professional between 10 to 16 degrees.

15) Section 23.16, HVAC Equipment, Subsection D, Cooling Towers, Item 1, General, Page 143, CLARIFICATION:

YISD preference is closed circuit cooling towers. Open cooling towers are acceptable if required due to budget or as recommended by design professional.

16) Section 23.16, HVAC Equipment, Subsection D, Cooling Towers, Item 3, Accessories and Features, Page 143, CLARIFICATION:

Provide fully automated chemical treatment systems for cooling tower water treatment. Systems to have a control panel, chemical feeder pump, chemical drum, solenoid valves, and sensors to automatically bleed and add chemicals to maintain water in a cooling tower at an acceptable level.

17) Section 23.16, HVAC Equipment, Subsection E, Air-Cooled Condensers, Item 2, Selection Criteria, Page 144, CLARIFICATION:

The stated temperature is a minimum, a design professional can at his discretion select equipment at a higher operating temperature.

18) Section 23.18, Energy Management Design Criteria, Subsection A. Page 147, Energy Management Design Criteria, ADD:

10. Controls Systems requirements will be project specific and will be coordinated with YISD Energy Manager.

DIVISION 26 – ELECTRICAL

19) Section 26.04, Electrical Distribution Systems, Subsection E, Page 149, Dry Type Transformers Design Criteria, ADD:

3. Transformer efficiency rating must comply with the latest energy efficiency federal government standard.

20) Section 26.04, Electrical Distribution Systems, Item I, Page 149, CLARIFICATION:

I. Phase Failure Protection: Phase failure protection shall be as recommended by Architect/Engineer based on equipment to be protected and overall project budget. The use of starters or VFD's is dependent on the mechanical system design.

21) Section 26.04, Electrical Distribution Systems, Page 150, ADD the following subsection:

J. Power Systems Study: On completely new schools only, the Architect/Engineer shall include a power studies requirement as part of the electrical switchgear submittal. The power study shall include short circuit, coordination and Arc Flash studies of the electrical system to be performed by the switchgear manufacturer and sealed by a professional engineer in the state of Texas. The electrical design, for all buildings (new, remodel or additions) shall be based on a fully rated system; series rated not accepted. The cost burden for any changes to the electrical system due to the result of the power studies due to interrupting ratings or coordination shall be borne by Contractor.

22) Section 26.05 Panelboards, Subsection B, Main Panelboards and Switchgear, page 149, ADD:

4. The main protective device on a main panel or switchboard must have an LSIG circuit breaker. Arc Flash mitigation must be included at the main panel or switchboard in compliance with NEC article 240.87.

23) Section 26.05, Panelboards, page 150, ADD the following subsection:

M. Electric Metering: A basic digital meter capable of reading voltage, amperes, peak wattage, and power factor is to be included at main panel or switchboard. Meters with more features must be justified by Architect/Engineer and acceptable by the YISD project manager.

DIVISION 27 – ELECTRICAL

24) Section 27.04, Intercommunications and Program System Description, “Intercommunications and Program System Requirements” matrix, page 156, CLARIFICATION:

Clock Instruments are to be provided in the following locations: Cafeteria, Corridor(s), Gym, Kitchen, Library, Lobby & Reception.

-End of Addendum No. 1-