

Facilities Planning and Construction Design and Construction Standards

Division 10 ±Specialties

10 11 00 Visual Display Units

GENERAL

This section includes porcelain enamel markerboards, glass marker boards, and tackboards.

Glass markerboards are the preferred over porcelain markerboards or chalkboards at all TTUS campuses.

Chalkboards may only be used in special cases if approved by the component institution and TTUS FP&C.

For each type of product indicated, submit construction details, material descriptions, dimensions of individual components and profiles, finishes for visual display surfaces, and maintenance instructions. Obtain each type of visual display surfaces from single source from single manufacturer.

Locations, mounting heights and sizes should be clearly shown on the drawings and elevations and coordinated with adjacent building elements.

Visual Display Surfaces shall be Class A fire-rated and meet ASTM E84.

Specify all accessories for visual display boards: marker trays, erasers, magnets, etc.

Tackboards and bulletin boards located in public areas shall be specified with lockable glass doors for security.

Contractor shall hold a pre-installation meeting prior to commencement of preparation work and installation. The meeting shall include the Owner, Architect, the Contractor, the designated

subcontractor, and representatives of other trades or subcontractors affected by the installation.

PRODUCTS

All visual display boards shall be made of non-ghosting material.

Submit samples of each visual display surface type and color for approval. Samples must be a

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manufacturer's name, material description, color, pattern, and designation indicated on
drawings and in finish schedules.

All glass markerboards shall be magnetic unless otherwise specified.

Porcelain-enamel Markerboard Assembly:

1. Description: Balanced, high-pressure, factory-laminated markerboard assembly of three-ply construction consisting of backing sheet, core material, and porcelain-enamel face sheet with high gloss finish.
2. Porcelain-Enamel Face Sheet: Meet ASTM A424 requirements, with enameling-grade steel, uncoated thickness indicated; with exposed face and edges coated with primer, 1.7-to-2.5-mil thick ground coat, and color cover coat; and with concealed face coated with primer and 1.7-to-2.5-mil thick ground coat.
3. Gloss-Finish Cover Coat: Gloss as indicated; dry-erase markers wipe clean with dry cloth or standard eraser. Minimum 3.0-to-4.0-mil thick cover coat. Cover and ground coats shall be fused to steel at manufacturer's standard firing temperatures but not less than 1475 deg F.

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Build mockups for typical classroom and conference room installations indicating mounting height, accessory placement, etc. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

Clean visual display surfaces according to manufacturer's written instructions. Attach one cleaning label to visual display surface in each room. Touch up factory-applied finishes to restore damaged or soiled areas. Cover and protect visual display surfaces after installation and cleaning.

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- discoloration of exposed side. Clean exposed welded surfaces of welding flux and dress exposed and contact surfaces.
2. Mill joints to tight, hairline fit. Form joints exposed to weather to exclude water penetration.
 3. Preassemble signs in the shop to greatest extent possible. Disassemble signs only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation, in location not exposed to view after final assembly.
 4. Conceal fasteners if possible; otherwise, locate fasteners where they will be inconspicuous.
 5. For signs mounted on brick, fabricate signs and letters so that fasteners are located in mortar joints.

Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating metal finishes.

Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

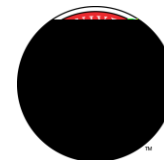
Clear anodic finish to be manufacturer's standard Class 1 clear anodic coating, 0.018 mm or thicker, over a satin (directionally textured) mechanical finish, complying with AAMA 611.

EXECUTION

Submit manufacturer's standard warranty form in which manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within a five-year warranty period. Failures incl5(arr)0 0 rA

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After installation, clean soiled sign surfaces according to manufacturer's written instructions.
Protect signs from damage until acceptance by Owner.



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10 21 13.15, 10 21 13.19, 10 21 16.19 Toilet Compartments

GENERAL

Toilet compartments and urinal screen materials will be determined by the Project Design Team.

Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA) and Architectural Barriers Act (ABA) Accessibility Guidelines for Buildings and Facilities" and TAS (Texas Accessibility Standards) for toilet compartments designated as accessible.

Comply with requirements in GSA's CID-A-A-60003, "Partitions, Toilets, Complete."

Partitions or stalls shall be floor mounted and constructed of solid plastic or stainless steel unless other materials or mounting scenarios are approved by the Owner.

Real wood toilet compartments will rarely be considered and are only appropriate for applications within high-end buildings or areas.

Provide at least (1) coat hook in each stall, located on the partition (not the door). Hooks in accessible stalls shall be ADA compliant.

Contractor shall hold a pre-installation meeting prior to commencement of preparation work and installation. The meeting shall include the Owner, Architect, the Contractor, the designated subcontractor, and representatives of other trades or subcontractors affected by the installation.

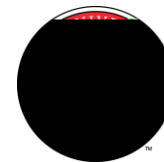
PRODUCTS

Submit for each type of product indicated: construction details, material descriptions, dimensions of individual components and profiles, and finishes.

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Curtains installed in showers shall be installed in accordance with the manufacturer's instructions to avoid puddling.

Install mockups for typical installations indicating mounting height and clearances. Approved



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10 26 00 Wall and Door Protection

GENERAL

Wall protection shall be considered in any areas where it may reduce damage from occupant use, carts, routine cleaning, or where infection control or moisture is a concern.

Wall protection chair rails shall be considered for all conference rooms where wall are subject to damage from seating.

Corner guards shall be specified and installed for all exposed corners in high-impact or high-traffic areas. Size, type, finish, and installation method shall all be considered so that corner guards are an integral part of the design package.

For each impact-resistant wall protection unit showing locations and extent. Include sections, details, and attachments to other work.

Contractor shall hold a pre-installation meeting prior to commencement of preparation work and installation. The meeting shall include the Owner, Architect, the Contractor, the designated subcontractor, and representatives of other trades or subcontractors affected by the installation.

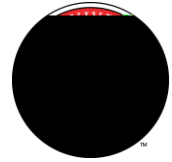
PRODUCTS

Provide wall protection meeting ASTM E 84, NFPA 255, or UL 72.0(1/9 275.0 Q q 1] TJ ET Q q 0.00000912



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10 51 13 ±10 51 23 Metal, Wood, and Plastic -Laminate -Clad Lockers

GENERAL

Contractor shall hold a pre-installation meeting prior to commencement of preparation work and installation. The meeting shall include the Owner, Architect, the Contractor, the designated subcontractor, and representatives of other trades or subcontractors affected by the installation.

Provide the required quantity of ADA lockers.

All locks shall be ADA compliant.

Coordinate keying scheme and labeling of lockers with Owner.

Coordinate needs for interior shelving, rods, and hooks with Owner.

PRODUCTS

Minimum metal locker construction requirements:

- a. Frame and door: Minimum 16 gage galvanized steel, welded joints.
- b. Sides, tops, and back: Minimum 18 gage galvanized steel.
- c. Ends, sloped tops, and filler panels: Minimum 20 gage galvanized steel.

Metal lockers shall be steel with baked enamel finish.

Plastic laminate lockers shall be constructed of high-pressure laminate with high density particle board substrate. All exposed edges shall be faced with matching PVC.

Specify lockers with sloped tops when necessary.

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Submit samples of each locker type and color for approval. Samples must be a minimum of 6"x6". Include hardware and lock samples. Label each sample with manufacturer's name, material description, color, pattern, and designation indicated on drawings and in finish schedules. Any approved full-size samples will be returned and may be used in the Work.

EXECUTION

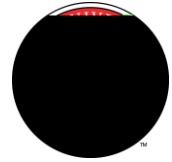
Install in accordance with manufacturer's instructions and approved Shop Drawings.

Install lockers prior to flooring.

Set plumb, level, and aligned.

Attach lockers to supporting construction with anchors best suited to substrate conditions.

Bolt adjacent locker units together to provide rigid installation



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10 56 13 Metal Storage Shelving

GENERAL

Contractor shall hold a pre-installation meeting prior to commencement of preparation work and installation. The meeting shall include the Owner, Architect, the Contractor, the designated subcontractor, and representatives of other trades or subcontractors affected by the installation.

Provide the required quantity of ADA lockers.

All locks shall be ADA compliant.

Coordinate keying scheme and labeling of lockers with Owner.

Coordinate needs for interior shelving, rods, and hooks with Owner.

PRODUCTS

Minimum metal locker construction requirements:

a. Frame and door: Minimum 16 gage galvanized steel, welded joints.

b. Sides, tops, and T oee thstructionb. Sides, tops, and -4) 1064 8 5m0 g0 0TE0reW*nBTF31.04f1 8 5m

Division 10 – Specialties

Submit samples of each locker type and color for approval. Samples must be a minimum of 6"x6". Include hardware and lock samples. Label each sample with manufacturer's name, material description, color, pattern, and designation indicated on drawings and in finish schedules. Any approved full-size samples will be returned and may be used in the Work.

EXECUTION

Install in accordance with manufacturer's instructions and approved Shop Drawings.

Install lockers prior to flooring.

Set plumb, level, and aligned.

Attach lockers to supporting construction with anchors best suited to substrate conditions.

Bolt adjacent locker units together to provide rigid installation