

RFP 092102.23/ME - ADDENDUM 2

RFP Deadline: **May 23, 2019** at **2:00 PM** (Local Time)

Page: **1 of 23**

RFP Number: **092192.23/ME**

Date: **May 14, 2019**

RETURN PROPOSALS AS SHOWN BELOW

Copies of proposal required:

Seven (7) Copies

FAX or TELEX Bids Permitted: YES NO

Physical Address for Courier Delivery:

The University of Texas MD Anderson Cancer Center
Attn: Mary Mueller
Fannin Holcombe Building
6900 Fannin, 10th Floor, Suite FHB10.1001
Houston, Texas 77030

PROPOSALS MUST BE SUBMITTED IN A SEALED ENVELOPE/BOX IDENTIFIED BY THE COMPANY NAME. RFP NUMBER MUST BE SHOWN ON THE LOWER LEFT HAND CORNER OF THE ENVELOPE/BOX.

PROPOSALS MAY BE SUBMITTED AT ANY TIME UNTIL RFP DEADLINE NOTED ABOVE.

THE UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER RESERVES THE RIGHT TO REJECT ANY AND ALL PROPOSALS OR ANY PART THEREOF.

RESPONDENT MUST COMPLETE AND SIGN BELOW

Company Name: _____

Mailing Address: _____
(STREET OR BOX #)

(CITY) (STATE) (ZIP)

Telephone No.: _____ / _____

E-Mail: _____

(Authorized Signature)

(DATE)

(Typed or Printed Name and Title)

**THIS RFP ADDENDUM IS A FURTHERANCE OF A SOLICITATION FOR PROPOSALS
AND IS NOT A CONTRACT OR OFFER TO CONTRACT.**

DI General Radiology Build-Out

- 1. RFI Questions and Answers are attached.**
- 2. Construction Document Addendum 1 is attached.**

Mary Mueller (Sourcing Specialist)

E-Mail address: memuelle@mdanderson.org

RFI QUESTIONS AND ANSWERS

DI General Radiology Build-Out
Project No. 092192.23
RFP No. 092192.23/ME

RFP Addendum 2, May 14, 2019
Construction Document Addendum 1 attached.

RFI No. 1 – 1 Question

Question 1: Drawing A2.01 shows a card reader on doors G3.3667E2 and G3.3667G. But, the door schedule on drawing A3.31 does not list either door as having a card reader. Also drawing 2.01 shows the card reader on door G3.3667G; but the Technology drawing, T3.31 does not show a reader on that door. Please clarify if doors G3.3667E2 and G3.3667G need card readers.

Answer 1: Please refer to Construction Document Addendum 1 attached.

RFI No. 2 –2 Questions

Question 2: Please advise who is to provide the magnetic white board and dry-erase board.

Answer 2: Magnetic white board and dry-erase board are Owner Purchased, Owner Installed.

Question 3: There are phenolic lockers involved in this project, however there is no specification for the lockers. Can a spec be provided?

Answer 3: Specification 10 51 00 Phenolic Lockers has been provided in Construction Document Addendum 1 attached.

RFI No. 3 – 1 Question

Question 4: Does MD Anderson have a list of pre-approved or preferred subcontractors for any of the Division 25, 27, 28 scopes of work? In reviewing the contract documents, we could not find any requirements that list a specific company as needing to be the installer. Please confirm if any of these trades have a required installer.

Answer 4:

MDA shall hire Data, TAB and Cx agents directly.

As far as Division 25 and this project, the location of the work will require proprietary Apogee Insight products to allow a proper interface to the current BAS infrastructure, in which Siemens is the sole source manufacturer. Based on the CD, Siemens will create and design, and configure the BAS products needed to meet the scope of work and send a submittal for approval. This submittal has the installation details of what products are required to be installed and how these products are to be wired. Siemens will go under contract and will oversee the installation subcontractor they choose to partner with for any given project. MDA typically has no input to which subcontractor installs a project as Siemens is held accountable for the entire BAS scope of work.

For Security work, there are a number of vetted contractors. UTP-H preferred contractor is Firetrol Protection System.

For other scopes discussed in Division 27 and 28, MDA does not have pre-approved or preferred subcontractors.



Addendum 01

May 14, 2019

MDA Alkek Level 3 General Radiology – Project 01

Item No.	Description	Attachments
Q1.	<i>Drawing A2.01 shows a card reader on doors G3.3667E2 and G3.3667G. But, the door schedule on drawing A3.31 does not list either door as having a card reader. Also drawing 2.01 shows the card reader on door G3.3667G; but the Technology drawing, T3.31 does not show a reader on that door. Please clarify if doors G3.3667E2 and G3.3667G need card readers.</i>	
A1	Doors G3.3667G and G3.3667E2 to have card reader function. Doors schedule and technology drawings have been revised to include hardware.	A3.31 and T3.31
Q2.	<i>Please advise who is to provide the magnetic white board and dry-erase board.</i>	
A2.	This is Owner Purchased, Owner Installed	
Q3.	<i>There are phenolic lockers involved in this project, however there is no specification for the lockers. Can a spec be provided?</i>	
Q3.	Spec section for Phenolic Lockers is attached.	Section 10 5100
Q4.	<i>Does MD Anderson have a list of pre-approved or preferred subcontractors for any of the Division 25, 27, 28 scopes of work? In reviewing the contract documents, we could not find any requirements that list a specific company as needing to be the installer. Please confirm if any of these trades have a required installer.</i>	
A4.	MDA shall hire Data, TAB and Cx agents directly. As far as Division 25 and this project, the location of the work will require proprietary Apogee Insight products to allow a proper interface to the current BAS infrastructure, in which Siemens is the sole source manufacturer. Based on the CD, Siemens will create and design, and configure the BAS products needed to meet the scope of work and send a submittal for approval. This submittal has the installation details of what products are required to be installed and how these products are to be wired. Siemens will go under contract and will oversee the installation subcontractor they choose to partner with for any given project. MDA typically has no input to which subcontractor installs a project as Siemens is held accountable for the entire BAS scope of work. For Security work, there are a number of vetted contractors. UTP-H preferred contractor is Firetrol Protection System.	

For other scopes discussed in Division 27 and 28, MDA does not have pre-approved or preferred subcontractors.

- | | | |
|----|--|--------------------|
| 01 | Correction on the specifications for slotted channels | Section 05 4300 |
| 02 | Finish selections for doors and millwork has been noted on finish schedule | A2.33 |
| 03 | Lead Shielding Report is included | Physicist's Report |

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SECTION 05 43 00 - SLOTTED CHANNEL FRAMING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Slotted channel framing and accessories necessary to complete installation.

1.2 DELEGATED ENGINEERING REQUIREMENTS

- A. Contract Documents Design Intent: Drawings and Specifications indicate design intent for products and systems and do not necessarily indicate or specify total Work required. Contract Documents shall not be construed as an engineered design; furnish and install all Work required for a complete installation.
- B. Delegated Engineering Responsibility: Contractor shall employ a qualified professional engineer to provide engineering for products and systems including attachment to building structure required to meet design intent of Contract Documents.
 - 1. Preparation of structural analysis data including engineering calculations, shop drawings and other submittals signed and sealed by the qualified professional engineer.
- C. Delegated Engineering Professional Qualifications: Professional engineer legally authorized to practice in jurisdiction where Project is located and experienced in providing engineering services of kind indicated for products and systems similar to this Project and has a record of successful in-service performance.
- D. Coordination of Work:
 - 1. Product Variations: In the event of minor differences between products and systems of acceptable or available manufacturers, Contractor shall notify Architect of such differences and resolve conflicts in a timely manner. Failure of Contractor to provide notification shall be construed as acceptance of conditions indicated, and changes caused by minor differences between products and Contract Documents shall be included in the Work at no additional cost to Owner.
 - 2. Allowable Adjustments: Minor dimension and profile adjustments may be made in interest of fabrication or erection methods or techniques or ability to satisfy design intent, provided design intent is maintained as determined by Architect. Proposed deviations shall include a detailed analysis of impact to adjacent substrates or other building systems, including related design or construction cost impacts. If accepted by Architect, deviations causing changes in materials, constructability, substrates, or conditions shall be included in the Work at no additional cost to Owner.

1.3 ACTION SUBMITTALS

- A. Product Data: Manufacturer's technical literature for each product and system indicated.
 - 1. Include manufacturer's specifications for materials, finishes, construction details, installation instructions, and recommendations for maintenance.

- B. Shop Drawings: Show details of fabrication and installation, including plans, elevations, sections, details of components and attachments to other work. Distinguish between shop and field-assembled work. Include the following:
 - 1. Strapping, bracing, bridging, splices, and connection details.
 - 2. Materials, sizes, spacings, and thicknesses.
 - 3. Specifics for equipment being supported by framing.
 - 4. Adjacent building structure, mechanical and electrical elements.
 - 5. Details for anchoring and attachment to building structure.

1.4 INFORMATIONAL SUBMITTALS

- A. Delegated Engineering Calculations: Informational submittal for products indicated to comply with design loads, include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation; test reports are not acceptable substitute for calculations.
- B. Qualification Data:
 - 1. For firms and persons specified in "Quality Assurance" to demonstrate their capabilities and experience. Include list of completed projects.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications:
 - 1. Experience: Installer's personnel with not less than 5 years of experience in the successful performance of Work similar to scope of this Project.
 - 2. Supervision: Installer shall maintain a competent supervisor at Project while the Work is in progress, and who has not less than 5 years of experience installing products and systems similar to scope of this Project.
 - 3. Manufacturer/Fabricator Acceptance: Installer shall be certified, approved, licensed, or acceptable to manufacturer/fabricator to install products.

1.6 PRE-INSTALLATION CONFERENCE

- A. Pre-Installation Conference: Before Work begins, conduct conference at Project site.

1.7 COORDINATION

- A. Coordinate installation of products and systems with interfacing and adjoining construction to provide a successful installation without failure.

PART 2 - PRODUCTS

2.1 MANUFACTURERS AND PRODUCTS

- A. Acceptable Manufacturers and Products: Subject to compliance with requirements of Contract Documents as judged by the Architect, provide product by one of manufacturers listed. If not listed, submit as substitution according to the Conditions of the Contract and Division 01 Section "Substitution Procedures".

1. Horizontal Spanning Members; Upper, Lower and Main Subrails:
 - a. Cooper B-Line, Inc.; ~~MQ-124X channels~~ **B12A channels**
 - b. Hilti; ~~B12A channels~~ **MQ-124X channels**
 - c. Unistrut Corp.; P5501 channels

2. Vertical Columns:
 - a. Cooper B-Line, Inc.; ~~MQ-41 channels~~ **BTS 22TH struts**
 - b. Hilti; ~~BTS 22TH struts~~ **MQ-41 channels**
 - c. Unistrut Corp.; P9200 tubes

3. Diagonal and Horizontal Bracing:
 - a. Cooper B-Line, Inc.; ~~MQ-41 channels~~ **BTS 22 channels**
 - b. Hilti; ~~BTS 22 channels~~ **MQ-41 channels**
 - c. Unistrut Corp.; P1000 channels

4. Inside Vertical Columns:
 - a. Cooper B-Line, Inc.; ~~MQ-41 channels~~ **BTS 22TH struts**
 - b. Hilti; ~~BTS 22TH struts~~ **MQ-41 channels**
 - c. Unistrut Corp.; P1000 H3 channels

2.2 SYSTEM DESCRIPTION

- A. Equipment Support: Framing consisting of necessary slotted channel framing members such as beams, columns, braces, fittings, spanning members, longitudinal rails, track supports, and components such as channel connectors, nuts, bolts, washers, shim plates, and general hardware, for a complete and properly functioning support structure for equipment.

2.3 PERFORMANCE REQUIREMENTS

- A. Structural Requirements: Engineer slotted channel framing according to delegated engineering quality standards to withstand live and dead loads according to authorities having jurisdiction, applicable local building codes, and information indicated within limits and under conditions indicated, without material failure or permanent deformation of structural members.
 1. Structural Movement: Engineer to withstand movements of structure including, but not limited to, drift, twist, column shortening, long-term creep; accommodate **3/8 in (9.5 mm)** differential vertical deflection of floors
 2. Design Loads: As required by scheduled equipment.
 3. Deflection: L/720 of span in either plane (vertical or horizontal) when maximum loading conditions is applied on either rail, due to equipment operation, including positioning of equipment at extremities of its travel.
 4. Seismic Loads: Engineer to withstand effects of earthquake motions.
 5. Design Criteria:
 - a. Equipment Information: Coordinate engineering with information provided by manufacturer of equipment being supported.
 - b. Minimum Factor of Safety: 2 based on ultimate strength under static loading conditions.

- B. Delegated Engineering Quality Standards: Determine allowable working stresses of materials according to authorities having jurisdiction, applicable local building codes, framing manufacturers design data, MFMA-4, and MFMA-103.

2.4 FRAMING MATERIALS AND COMPONENTS

A. Slotted Channels:

1. Product Quality Standard: MFMA-4.
2. Interior Locations: C-shape channels fabricated from ASTM A 1011 Grade 33 cold-rolled steel sheet or ASTM A 1008 Grade 33 for hot-rolled steel sheet, structural classification; with continuous open slot formed by inturred serrated or unserrated lips, and intermediate slots in back of channel; riveted back-to-back type for primary horizontal framing members; wall thickness as required by engineering design.
 - a. Painted Factory Finish: Chemically cleaned, phosphated, electro deposited acrylic or electrostatically-applied polyester finished, then baked; resisting minimum 300 hours of salt spray exposure according to ASTM B 117.
3. Profile Size: 1-5/8 in (40 mm) wide by depth required by delegated engineering.

- B. Channel Connectors: Standard 2 part connectors of type, size and material required by delegated engineering; fabricated from carbon steel with nuts and threaded bolts; with or without springs; electro-galvanized finish; from same manufacturer as slotted channels.

- C. General Hardware: Standard fittings, bases, brackets, and clamps of three-dimensional shape suitable for condition and type, size and material required by delegated engineering; fabricated from carbon steel; same finish as slotted channels; from same manufacturer as slotted channels.

- D. Fasteners to Building Structure: Welding rods and expansion anchors as specified in Division 5 Section "Metal Fabrications."

- E. PVC Closure Strip: Paintable PVC closure strip; Unistrut Corp; P1184P, grey color.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Acceptance of Surfaces and Conditions: Examine substrates to receive products and systems and associated work for compliance with requirements and other conditions affecting performance. Proceed only when unsatisfactory conditions have been corrected in a manner complying with Contract Documents. Starting work within a particular area will be construed as acceptance of surface conditions.

3.2 INSTALLATION, GENERAL

- A. Installation Quality Standards: In addition to standards listed elsewhere, perform Work according to following, unless otherwise specified:
 1. MFMA-103.
 2. Respective manufacturer/fabricator's written installation instructions.

3. Accepted submittals.
4. Contract Documents.

- B. Control of Corrosion: Prevent galvanic action and other forms of corrosion by isolating metals and other materials from direct contact with incompatible materials.

3.3 PREPARATION

- A. General: Comply with manufacturer's instructions, recommendations, and specifications for cleaning and surface preparation. Surfaces shall have no defects, contaminants, or errors which would result in poor or potentially defective installation or would cause latent defects in Work.

3.4 INSTALLATION

- A. Erection:

1. Install slotted channel framing members and components square, true to line, level and plumb; and securely in place to properly support schedule equipment.
2. Cut slotted channels with powered cutting saws; flame-cutting is not permitted.
3. Tighten all connections to torque required by engineering design

- B. Tolerances:

1. Horizontal Mounting Surfaces: Align within **1/32 in (0.8 mm)** in **24 in (600 mm)** and within **1/16 in (1.5 mm)** in **18 ft (5.4 m)**.
2. Elevation Between Rails: Difference between 2 rails within **1/16 in (1.5 mm)** in **24 in (600 mm)**.

- C. PVC Closure Strips: Install at all exposed rails.

END OF SECTION 05 43 00

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SECTION 10 5100 - PHENOLIC LOCKERS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: solid Phenolic resin cubbies and supplementary items necessary for installation.

1.2 SUBMITTALS

- A. Product Data: Manufacturer's technical literature for each product and system indicated.
 - 1. Include manufacturer's specifications for materials, fabrication, and installation, including catalog cuts of anchors, hardware, fasteners, and accessories, and recommendations for maintenance.
- B. Shop Drawings: Include plans, elevations, sections, numbering, colors, details, and anchorages/ attachments to other work. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
- C. Samples for Verification Purposes: Submit two 6 in (150 mm) square Samples of each color and finish.
- D. Maintenance Instructions: Provide manufacturer's printed instructions for cleaning and maintenance of installed Work.
- E. Qualification Data: For manufacturer and installer.
 - 1. For firms and persons specified in "Quality Assurance" Article 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.
 - 2. Architect may waive submittal of qualification data for available manufacturers listed in this Section.
- F. Warranty: Sample of warranty.
 - 1. Provide manufacturer's written warranty covering materials and installation (labor) stating obligations, remedies, limitations, and exclusions.

1.3 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer with experience in successful production of products and systems similar to scope of this Project, with a record of successful in-service performance and completion of projects, and with sufficient production capability, facilities, and personnel to produce required Work.

B. Installer Qualifications:

1. Experience: Installer with experience in performing specified Work similar to scope of this Project, with a record of successful in-service performance and completion of projects, and with sufficient production capability, facilities, and personnel to produce required Work.
2. Supervision: Installer shall maintain a competent supervisor who is at Project during times specified Work is in progress, and, who is experienced in installing systems similar to type and scope required for Project.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Store materials in manufacturer's original packaging in accordance with manufacturer's instructions. Store materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer.
- B. Protect finished surfaces from soiling and damage during handling and installation. Cover with polyethylene film or other protective covering.

1.5 PROJECT CONDITIONS

- A. Field Measurements: Verify dimensions in areas of installation by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 1. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating units without field measurements. Coordinate supports, adjacent construction, and wall openings to ensure actual dimensions correspond to Established Dimensions

1.6 COORDINATION

- A. Coordinate installation of products and systems with interfacing and adjoining construction to provide a successful installation without failure.

1.7 WARRANTY

- A. Manufacturer's Warranty: Furnish manufacturer's written material and labor warranty signed by an authorized representative using manufacturer's standard form agreeing to furnish materials and labor required to repair or replace work which exhibits material defects caused by manufacture or design and installation of product. "Defects" is defined to include but not limited to deterioration or failure to perform as required.
 1. Warranty Period: Manufacturer shall warrant the products to be free from material and labor defects for a period of 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS AND PRODUCTS

- A. Acceptable Manufacturers: Subject to compliance with requirements of Contract Documents as judged by the Architect, provide product by one of manufacturers listed. If not listed, submit as substitution according to the Conditions of the Contract and Division 01 Section "Substitution Procedures".
1. Accu Tec Manufacturing.
 2. ASI Storage Solutions Inc.
 3. Columbia Lockers, a Division of PSiSC
 4. Summit Lockers Inc.

2.2 PERFORMANCE REQUIREMENTS

- A. Flame Spread: When tested in accordance with ASTM E 84, solid phenolic material shall meet or exceed all requirements for Class B finish and shall carry a Class B Fire Rating Certification in accordance with the requirements of NFPA and ICC. Class B Fire Rating Certification shall be in the name of the Locker Manufacturer and shall be less than six (6) months old.
1. Flame Spread: Shall not exceed 75.
 2. Smoke Developed: Shall not exceed 450.
- B. Solid Phenolic material shall comply with the following requirements:
1. Graffiti Resistance: Shall prove resistant to all chemicals tested for a period of 1 to 10 minutes and shall leave no mar or blemish on the surface when cleaned, per ASTM D 6578.
 - a. Material shall have guaranteed surface clean ability from permanent markers and shall have Non-Ghosting properties
 2. Scratch Resistance: Shall prove to be scratch resistant when the maximum Load Value exceeds 10 kilograms, per ASTM D 2197.
 3. Impact Resistance: Shall withstand an Impact Force Value in excess of 45 inch-lbs, per ASTM D 2794.
 4. Screw Holding Strength: Shall withstand a direct pull force that exceeds 2,500 lbs per fastener, per ASTM D 1037.
 5. Tensile Strength: Modulus of Elasticity of 1.55 Million PSI.
 6. Shear Strength: 2,000 PSI minimum.
 7. Compression Strength: 24,000 PSI minimum.
 8. Water Absorption: Shall have a Water Absorption Rate of less than 0.37%, per ASTM D 570.

2.3 MATERIALS

- A. Single Source Responsibility: Furnish each type of product from single manufacturer. Provide secondary materials only as recommended by manufacturer of primary materials.
- B. Material: Solid phenolic with a high pressure melamine matte finish surface made as an integral part of the core material. Surface and edges shall be non-porous and shall not support fungus

or bacteria. Provide material which has been selected for uniform color, surface flatness and smoothness. The following conditions are not acceptable:

1. Laminated surfaces.
2. Exposed surfaces which exhibit discolorations, pitting, seam marks, roller marks, stains, telegraphing of core material, or other imperfections on finished units.
3. Defects such as chipping along edges and corners.

C. Minimum Finished Thicknesses:

1. End Panels and Toe Kick Plates: 0.75 in (19 mm).
2. Tops, Bottoms, and Shelves: 0.75 in (19 mm).
3. Sides and Locker Backs: 0.3125 in (8 mm).

D. Colors: As indicated in Division 01 Section "Interior Design Selections".

2.4 FABRICATION

- A. General: Provide factory pre-assembled locker units. Lockers shall be complete with all hardware and accessories listed above. Knock down units are unacceptable.
- B. Locker Body: Mortise and tenon construction, with components mechanically fastened together with stainless steel fasteners. Lockers shall have rounded exposed edges.
- C. Locker Shelves: Mortised into side walls of at location determined by Architect. Relocation of shelves in the field shall be possible without the need for special tools or welders.
- D. Slope Tops, End Panels, and Toe Kick Plates: Shall be manufactured of the same color and material as the Locker Doors:

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Acceptance of Surfaces and Conditions: Examine substrates to receive products and systems and associated work for compliance with requirements and other conditions affecting performance. Proceed only when unsatisfactory conditions have been corrected in a manner complying with Contract Documents. Starting work within a particular area will be construed as acceptance of surface conditions.

3.2 INSTALLATION, GENERAL

- A. Installation Quality Standard: In addition to standards listed elsewhere, perform Work according to following, unless otherwise specified:
1. Respective manufacturer's written installation instructions.
 2. Accepted submittals.
 3. Contract Documents.

3.3 PREPARATION

- A. General: Comply with manufacturer's instructions, recommendations and specifications for cleaning and surface preparation. Surfaces shall have no defects, contaminants, or errors which would result in poor or potentially defective installation or would cause latent defects in Work.

3.4 INSTALLATION

- A. Installation of phenolic lockers:
 1. Install Lockers rigid, straight, plumb, and level.
 2. Scribe and cut millwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
 3. Through bolt locker boxes together with stainless steel theft proof Torx head with pin, through bolts.
 4. Anchor locker boxes to substrate with provided anchor devices.
 5. Install slope tops, end panels, filler strips and accessories in accordance with written instructions.

3.5 ADJUSTING AND CLEANING

- A. Hardware Adjustment: Adjust hardware according to manufacturer's written instructions for proper operation.

3.6 PROTECTION

- A. Provide final protection and maintain conditions that ensure lockers are without damage or deterioration at the time of Substantial Completion. Clean all exposed surfaces of lockers and hardware.

END OF SECTION 10 51 00

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