


ADDENDUM TO PROJECT BID DOCUMENTS

	ADDENDUM #03
	Project: Napa Valley College Project Bid Documents for General Contractors Wine Spectator Wine Education Center RFQ #TBD
	Date: April 19, 2024

Addendum # 03 – The following clarifications are provided and must be added/considered when completing your bid documents: Acknowledgement of receipt of this **ADDENDUM #03 as well as ADDENDUM #02 and ADDENDUM #01** is required in your bid submittal. Please clearly note the addendum date and number.

ITEM A – Bid Opening Zoom Link

Bid Opening shortly after the closure of the bidding period on Thursday, April 25th at 2:00 pm sharp. Zoom link below:

<https://napavalley-edu.zoom.us/j/89815339044?pwd=vaiMQsWJrZexRbVbkoDaKaFLW0Kcbu.1>

Request for information and questioning period regarding Addendum 2 and 3 is closed at this time.

WINE EDUCATION CENTER NAPA VALLEY COLLEGE

ADDENDUM NUMBER 3

PROJECT ADDRESS
**2277 Napa Vallejo Hwy
Napa, CA 94558**

OWNER
NAPA VALLEY COLLEGE

DATE
APRIL 18, 2024

TLCD PROJECT NUMBER
21062.00

DSA APPLICATION NUMBER:
01-120890

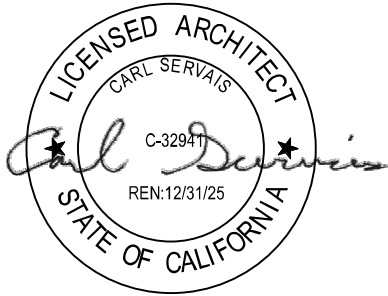
Note: The following changes, modifications and additions to the Project Manual and Drawings described within this Addendum are made a part thereof and are subject to all of the requirements thereof as if originally specified.

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**ADDENDUM NUMBER 3
WINE EDUCATION CENTER
NAPA VALLEY COLLEGE**
2277 Napa Vallejo Hwy
Napa, CA 94558

DSA APPLICATION #01-120890

STAMPS, SIGNATURES AND APPROVALS



ARCHITECT
Carl Servais
C32941

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ADDENDUM NUMBER 3

To the Plans and Specifications for:

**WINE EDUCATION CENTER
NAPA VALLEY COLLEGE**

DSA File No. 28-C1
DSA Application No. 01-120890

Date: April 18, 2024

RESPONSES TO BIDDER'S REQUESTS FOR INFORMATION (RFI'S)

Refer to Addendum 2 for responses to questions 1 through 10, unless otherwise noted below.

Question 4: Subsection 3.1A in specification section 02 41 10 notes "Tanks: Remove tanks within construction area; pump out buried tanks located outside construction area, fill tanks with sand or fine gravel and cover with fill unless otherwise indicated." However, the demolition drawings do not show any tank demolition or removal. Please confirm there are no tanks that need to be demolished or pumped out.

Response: *There are no known underground tanks in the project area. (TLCD, Brelje & Race)*

Question 8: Section 11.b.2 in General Conditions notes the Contractor shall include in their bid costs builders risk insurance. Please advise if the policy should cover earthquakes and floods.

Response: *The contractor's builders risk insurance requirement to cover floods and earthquake coverage is optional. (NVC)*

Question 11: The mechanical control specifications for this project indicate that there is an existing Delta Control System at this campus and this new project is to be integrated into the existing BMS. Is this project open to bid for all Delta Controls dealers?

Response: *BMS controls will need to be through Delta Controls, Honeywell products will not be acceptable. EMCOR/Mesa Energy Systems has been identified as "proprietary" on our controls system. (NVC)*

Question 12: Specification section 09 65 25 STATIC RESISTANT FLOORING calls for static resistant (conductive) resilient tile flooring. However, the contract documents do not show where this specification section applies. Please clarify if this project requires any

Response: *Refer to the Finish Code List, item RF2, which is a static conductive floor tile. This material is identified in the Room Finish Schedule – Phase 1 at room 112 BDF. Refer to Addendum 3 for additional response. (TLCD)*

Question 13: Sheet A-251 refers to specification section "12 31 00" for Laboratory Cabinets details. The project manual does not include a specification section 12 31 00. Please provide missing specification section.

Response: *Refer to Addendum 3 for response. (TLCD)*

Question 14: Sheet A-252 does not show specifications, manufacturer, or material information for cabinets in the sensory classroom. Please provide spec/ material/ details for cabinets that are to be used in the sensory classrooms.

Response: *Refer to Addendum 3 for response. (TLCD)*

Question 15: The project manual includes specification section "06 40 00 - Architectural Woodwork" that calls for Plastic Laminate Casework & Countertops. However, specification section 06 40 00 is not called out anywhere on the project drawings. Please clarify where this specification section applies and provide location at which Plastic Laminate Casework and Countertops will be required.

Response: *Refer to Addendum 3 for response. (TLCD)*

Question 16: The Bid Book includes a Bid Proposal Form beginning on Page 10 which includes a questionnaire. A questionnaire was already submitted in the RFQ process for this project. Is this information required again?

Response: *The completed questionnaire shall be included with the bid package. (Kitchell)*

Question 17: The end user has schneider controls and its Building Management System, does the new controls need to integrate with the existing BMS system or can it be stand alone? Furthermore, are we bidding the controls or the thermostat? Please confirm if Honeywell can be an acceptable manufacture for the BMS system.

Response: *BMS controls will need to be through Delta Controls, Honeywell products will not be acceptable. EMCOR/Mesa Energy Systems has been identified as "proprietary" on our controls system. (NVC)*

Question 18: Stainless steel partitions are listed with Flush metal or General partitions, is it acceptable to utilize Hadrian as an equal or better?

Response: *Refer to Addendum 3 for response. (TLCD)*

Question 19: Sheet LF-401 shows an undercounter refrigerator at the North wall of the Lab Prep room. Interior elevation drawing 5/LF-501 shows an open space at the same location instead of an undercounter refrigerator. Please clarify if the the contractor needs to include an undercounter refrigerator at that location. If yes, please provide specs/details/manufacturer and model number.

Response: *Refer to Addendum 3 for response. (TLCD)*

Question 20: Sub Section 2.2a.1 in specification section 10 22 20 (Operable Partitions) requires the operable partition to have an STC rating of 55 or 56. Sub Section 2.2d.3 in the same specification section requires the operable partition to have a minimum of 0.75 NTC. As per Operable Partition sub contractors, these two ratings work agasint each other and that 0.75 NTC is not acheivable with an STC rating of 55 or 56. Please confirm that 0.75 NTC rating requirement can be waived from the specification section 10 22 20 (Operable Partitions).

Response: *Refer to Addendum 3 for response. (TLCD)*

Question 21: Keynote .041 om sheet A-251 calls for undercounter wine coolers under the ADA countertop. Please provide specs/ details/ manufacturer and model number.

Response: *Refer to Addendum 3 for response. (TLCD)*

Question 22: The Bid proposal Form lists Additive/Deductive Alternate #1, #2 & #3 (if applicable). Will there be any alternate's to this project or is this just the "standard bid form?"

Response: *No bid alternates will be included in the bid. The bid alternate lines on the form shall remain blank.*

Question 23: The Door Schedule on sheet A-601 shows wood material and Door Type 2 for doors in Room 102 and Room 103, however detail 16 on the same sheet shows that Door Type 2 are storefront doors. Please confirm that the door material for Rooms 102 and 103 is aluminum and will be storefront doors.

Response: *Refer to Addendum 3 for response. (TLCD)*

Question 24: Sheet E-102 shows a conduit/feeder "LD" coming from "MSW" to phase 2 building. Since Phase 2 is not a part of scope at this point, we would recommend that we install

the conduit and pull box with pull string only, close to the location (15 feet from phase 2 building) for future use. Please confirm if this is acceptable.

Response: *The contractor's suggested Phase 1 raceway provisions - for the Phase 2 power feeder to Panel LD - are acceptable to the design team.*

Question 25: Door schedule on sheet A-601 shows fire rated glass for doors 113A and 115A however openings are not marked as fire rated. Please confirm if opening will be fire rated for doors 113A and 115A.

Response: *Refer to Addendum 3 for response. (TLCD)*

Question 26: Detail 3 on sheet L-204 shows 1"x1" skate deterrent notch cutouts for benches, however the Streetlife who is the specified manufacturer does not recommend the notches any longer due to their ineffectiveness. Streetlife recommends using anti-skate fins in place of the skate deterrent notch cutouts. Please confirm if the anti-skate fins are acceptable in lieu of the skate deterrent notch cutouts.

Response: *Comply with detail 3/L-204. Anti-skate fins are not required. (TLCD, RHAA)*

Question 27: Specification section 32 33 00 sub section 2.6 refer to skate deterrent, however there is no model number and manufacturer detail provided. Please provide the model and manufacturer information for skate deterrents for concrete seat walls and retaining walls.

Response: *Comply with detail 3/L-204. Anti-skate fins are not required. (TLCD, RHAA)*

Question 28: 1. Please confirm the fabrication type of the interior panel signs (The specifications section provides a manufacturer list which uses different fabrication processes) Vomar: Inlaid process, overlay process & applied process. Mohawk: Sandcarved, engraving, subsurface process etc. Can we substitute these with UV printed Acrylic Panels?

2. Please confirm if we can substitute fabrication of Evacuation signs from Silk-screened or photopolymer polycarbonate with UV printed back painted Acrylic?

3. Please confirm if Non Accessible Building Address Sign is required. If yes, please share quantities or locations.

Response: *1. Refer to specification Section 01 25 00 SUBSTITUTION PROCEDURES for requirements to submit products for substitution.*

2. Evacuation signage is not required for this building.

3. Assumption: This question refers to the exterior building signage identified on Drawing 4/A-201. This signage, per DRAWING NOTE .111, and REFERENCE

KEYNOTE 10 14 00.P and 10 14 00.T, is specified in Section 10 14 00-2.2.D as Halo-Lit Signage.

- Question 29:** 1. The Limit of work for phase 2 is different between civil plan sheet C-101 and architect plan sheet A-102. Please clarify.
2. Please provide method of sleeve installation under existing paving shown on L-401.
3. Please provide location for soil sensors per irrigation legend on sheet L-400.
4. Ref to specs part 3.3 section 32 84 00, lateral line is 18" depth. However, the detail 7/L-402 shows 12" -16". Please clarify.
5. Shall the 12" depth of imported topsoil be required for all planting areas per specs section 3.4/32 90 00?

- Response:** 1. *Refer to Addendum 3 for response. (TLCD)*
2. *Contractor to determine as part of means and methods. (RHAA)*
3. *Contractor to coordinate soil sensor locations with controller manufacturer upon completion of controller installation. (RHAA)*
4. *Lateral to be 18" deep. (RHAA)*
5. *It's anticipated that much of the existing soil will be amended per laboratory recommendations. Refer to Planting spec 32 90 00 section 2.2.D when determining the need for top soil. Depths to align with depth of planting container rootball sizes (5 gal for shrubs and 36 box for trees). (RHAA)*

END OF BIDDER'S REQUEST FOR INFORMATION

CHANGES TO THE PROJECT MANUAL

- 1.1 CHANGE to specification Section 00 01 10 TABLE OF CONTENTS (Refer to specification Section attached):
- A. ADD Section "09 77 20 ACOUSTICAL WALL SYSTEM" to the TABLE OF CONTENTS.
- 1.2 CHANGES to specification Section 09 65 25 STATIC RESISTANT FLOORING (Refer to specification Section attached):
- A. CHANGE from Vinyl Composition Tile to Resilient Rubber Tile. Basis of Design as indicated on drawing A-601 FINISH CODE LIST.

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- 1.3 ADD specification Section 09 77 20 ACOUSTICAL WALL SYSTEM (Refer to specification Section attached).
- 1.4 CHANGES to specification Section 10 21 10 METAL TOILET COMPLARTMENTS (Refer to specification Section attached):
- A. ADD Hadrian Solutions ULC to list of Systems Manufacturers.
- B. CHANGE:
1. Style of units from floor and ceiling anchored to overhead braced.
 2. Size of panel height.
 3. Change from stirrup type U-brackets to full-height continuous brackets.
- 1.5 CHANGE to specification Section 10 22 20 OPERABLE PARTITIONS (Refer to specification Section attached):
- A. DELETE requirements in part 2.2.D from specification.

CHANGES TO THE PROJECT DRAWINGS

- 1.6 CHANGE to DRAWING NOTE 0.41:
- A. ADD: "PERLICK MODEL HA24WB-4-3R/L(L)." Product shall include the following features:
1. Commercial grade stainless steel interior and exterior.
 2. Glass vision door.
 3. Stainless steel wire wine shelves with full extension, vibration dampened stainless steel ball-bearing glides.
 4. Audible alarm if door is held open.
 5. LED lighting (Color: blue or white. To be determined by owner).
 6. 32 bottle minimum capacity.
 7. Stainless steel vertical door pull. Right or left side to be determined by Owner.
 8. Factory installed lock. Provide 3 keys minimum.
- 1.7 CHANGE all laboratory cabinet casework specification section references from 12 31 00 MANUFACTURED LABORATORY CASEWORK to Section 12 35 53 LABORATORY CASEWORK SYSTEM AND ACCESSORIES.
- 1.8 CHANGE to drawings A-102 PARTIAL SITE PLAN – PHASE 1 and A-103 PARTIAL SITE PLAN – PHASE 2:
- A. CHANGE the location of the Phase 1 & 2 demarcation line along the north side of the Tasting building to match the location of the line shown on drawings C-100 and L-210, which

aligns with a pavement joint, and allows the bench to the east between the tree walls to be constructed within the Phase 1 scope.

1.9 CHANGE to Detail 12/A-561, CASEWORK NOTES:

- A. ADD: Note “G. Casework identification symbol below the cabinet elevations refer to the North American Architectural Woodwork Standard Cabinet Design Series standards, configurations, hardware and accessories. The top number is the cabinet configuration. The tree numbers below the top number refer to the cabinet width x height x depth. All casework with this identifier symbol are specified in Section 06 40 00 ARCHITECTURAL WOODWORK.”
- B. ADD: Note “H. All casework in rooms Wine Lab 104 and Lab Prep 105 shall be laboratory casework specified in Section 12 35 53 LABORATORY CASEWORK SYSTEM AND ACCESSORIES, with epoxy resin countertops and backsplashes specified in Section 12 36 61 SOLID SURFACING COUNTERTOPS, and as indicated in the Laboratory Furnishings drawings.”
- C. ADD: Note “J. Casework countertops and backsplashes in the following rooms shall be finish code SSM1 epoxy resin as specified in Section 12 36 61 SOLID SURFACING COUNTERTOPS.
 - 1. Phase 1: Sensory Classroom 113, Sensory Prep 114, Sensory Classroom 115.
 - 2. Phase 2: Prep 117.”
- D. ADD: Note “K. Casework countertops and backsplashes in the following rooms shall be finish code SSM2 FSC-certified thermoset paper composite as specified in the Finish Code List on drawing A-601.
 - 1. Phase 2: Bar casework in room Hospitality 116.”
- E. ADD: Note “L. Casework in the following rooms shall be plastic laminate as specified in Section 06 40 00 ARCHITECTURAL WOODWORK. Plastic laminate color to be selected by Architect – refer to 06 40 00-2.1.B.2.C.
 - 1. Phase 1: Custodial 110, Sensory Classroom 113, Sensory Prep 114, and Sensory Classroom 115.”
 - 2. Phase 2: Bar casework in room Hospitality 116 and Prep 117.
 - a. Exceptions: Blackened steel wall panels at Hospitality 116 bar as indicated on drawings.”

1.10 CHANGE to drawing A-601, DOOR SCHEDULE:

- A. CHANGE Door numbers 102 and 103 from door type 2 (aluminum) to door type 3 (flush wood).
- B. CHANGE Door glazing at door numbers 113A and 115A from FIRE RATED to TEMPERED. The door openings are located in non-fire-rated wall assemblies.

1.11 CHANGES to A-601 FINISH CODE LIST:

- A. DELETE: "Heat weld seams" from RF1 And RF2.

1.12 CHANGE to Drawing 1/E-301:

- A. CHANGE Location of undercounter refrigerator power receptacle in room Lab Prep 105 from west wall (see note 6) to the north wall in the location shown on drawing 1/LF-401 in open cabinet KS27. The equipment is owner-furnished-owner-installed per LAB SYMBOL LEGEND on drawing LF-001.

ATTACHMENTS

PROJECT MANUAL:

Note: Additions to attached specifications are identified in ***bold-Italic print.***

Deletions to attached specifications are identified in ~~gray strikethrough print.~~

00 01 10	Table of Contents
09 65 25	Static Resistant Flooring
09 77 20	Acoustical Wall System
10 21 10	Metal Toilet Compartments
10 22 00	Operable Partitions

DRAWINGS:

None.

END OF ADDENDUM NUMBER 3

SECTION 00 01 10

TABLE OF CONTENTS

**PROJECT MANUAL
INTRODUCTORY INFORMATION**

Document 00 01 10 Table of Contents

**PROCUREMENT AND CONTRACTING REQUIREMENTS
CONTRACTING REQUIREMENTS (Addendum 1)**

Document ~~00 72 00~~ ~~General Conditions (Addendum 1)~~
Construction Bid Documents (CCD)
Table of Contents
Notice Inviting Bids
Instructions to Bidders
Bid Proposal Form
Subcontractor List Form
Worker’s Compensation Certificate
Non-collusion Declaration
Bid Bond
Bidder’s Questionnaire
Contract
General Conditions
Notice of Award
Notice to Proceed
Performance Bond & Payment Bond
Iran Contracting Act Certificate
Compliance with Economic Sanctions Certification
~~00 73 00~~ ~~Supplementary Conditions (Addendum 1)~~
00 01 21 **Supplemental Conditions**
00 31 19 **Existing Condition Information**
00 31 32 **Geotechnical Data**

SPECIFICATIONS GROUP

DIVISION 01 – GENERAL REQUIREMENTS

Section 01 10 00 Summary of Work
 01 25 00 Substitution Procedures
 01 26 00 Contract Modification Procedures
 01 29 00 Payment Procedures
 01 31 00 Project Management and Coordination
 01 32 00 Construction Progress Documentation
 01 33 00 Submittal Procedures
 01 40 00 Quality Requirements
 01 42 00 References
 01 50 00 Temporary Facilities and Controls
 01 56 39 Temporary Tree and Plant Protection
 01 57 23 Temporary Stormwater Pollution Control
 01 60 00 Product Requirements

01 73 00	Execution
01 74 19	Construction Waste Management and Disposal
01 77 00	Closeout Procedures
01 78 23	Operation and Maintenance
01 78 39	Project Record Documents
01 79 00	Demonstration and Training
01 81 13	Sustainable Design Requirements - CALGreen Non-Residential Mandatory

DIVISION 02 – EXISTING CONDITIONS

Section	02 41 10	Structure Demolition
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DIVISION 03 – CONCRETE

Section	03 10 00	Concrete Forming and Accessories
	03 20 00	Concrete Reinforcing
	03 30 00	Cast-In-Place Concrete
	03 35 15	Sealed Concrete Flooring

DIVISION 04 – MASONRY

Not Used

DIVISION 05 – METALS

Section	05 12 00	Structural Steel Framing
	05 12 10	Architecturally Exposed Structural Steel
	05 50 00	Metal Fabrications
	05 70 00	Decorative Metal
	05 70 05	Landscape Metalwork

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES

Section	06 10 00	Rough Carpentry
	06 17 33	Wood I-Joists
	06 20 00	Finish Carpentry
	06 40 00	Architectural Woodwork

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

Section	07 13 00	Sheet Waterproofing
	07 21 00	Thermal Insulation
	07 25 00	Weather-Resistive Barriers
	07 26 00	Below-Grade Vapor Retarder
	07 41 15	Manufactured Standing Seam Roofing
	07 46 20	Wood Siding
	07 46 50	GFRC Façade System
	07 54 25	Elastomeric TPO Membrane Roofing
	07 60 00	Flashing and Sheet Metal
	07 72 00	Roof Hatches
	07 84 00	Firestopping

07 90 00	Joint Sealants
07 95 00	Expansion Joint Cover Assemblies

DIVISION 08 – OPENINGS

Section	08 11 10	Hollow Metal Doors and Frames
	08 14 00	Wood Doors
	08 35 40	Sliding Aluminum and Glass Walls
	08 41 00	Entrances and Storefronts
	08 44 20	Glazed Curtain wall Systems
	08 71 00	Door Hardware
	08 71 15	Low Energy Door Operators
	08 80 00	Glazing

DIVISION 09 – FINISHES

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	09 24 00	Portland Cement Plaster
	09 30 00	Tiling
	09 51 00	Acoustical Ceilings
	09 65 10	Resilient Base
	09 65 20	Resilient Tile Flooring
	09 65 25	Static Resistant Flooring
	09 68 10	Tile Carpeting
	09 77 20	Acoustical Wall System
	09 77 30	Fiberglass Wall Panels
	09 90 00	Painting and Coating
	09 96 70	High Performance Coating

DIVISION 10 – SPECIALTIES

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	10 14 00	Signage
	10 21 00	Metal Toilet Compartments
	10 22 20	Operable Partitions
	10 28 00	Toilet Accessories
	10 44 00	Fire Extinguisher Cabinets
	10 56 10	Metal Storage Shelving

DIVISION 11 – EQUIPMENT

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	11 53 13	Laboratory Fume Hoods
	11 53 43	Lab Sinks Mechanical Electrical Fixtures

DIVISION 12 – FURNISHINGS

Section	12 24 10	Electric Window Shades
	12 35 53	Laboratory Casework System and Accessories
	12 36 61	Solid Surfacing Countertops
	12 48 15	Recessed Entry Grilles

DIVISION 13 – SPECIAL CONSTRUCTION

Not used.

DIVISION 14 – CONVEYING EQUIPMENT

Not used.

DIVISION 21 – FIRE SUPPRESSION

Section 21 00 00 Fire Suppression

DIVISION 22 – PLUMBING

Section 22 00 00 Plumbing

DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING

Section 23 00 00 Mechanical

DIVISION 26 – ELECTRICAL

Section 26 05 00 Basic Electrical Requirements
 26 05 13 Medium Voltage Distribution
 26 08 00 Testing
 26 12 02 Three-Phase Padmounted Transformer
 26 24 00 Service and Distribution System
 26 27 00 Basic Electrical Materials and Methods
 26 31 01 Photovoltaic System
 26 32 01 Lithium Iron Phosphate Battery Storage
 26 51 01 Lighting
 26 56 01 Site Lighting
 26 57 00 Low Voltage Lighting Control Systems

DIVISION 27 – COMMUNICATIONS

Section 27 00 00 Telecommunications Systems
 27 51 03 Assisted Listening System

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

Section 28 31 00 Fire Alarm System with Voice Evacuation

DIVISION 31 – EARTHWORK

Section 31 10 00 Site Preparations
 31 10 01 Plant Protection
 31 20 00 Earthwork
 31 23 16 Trenching, Backfilling, Compaction

DIVISION 32 – EXTERIOR IMPROVEMENTS

Section 32 12 16 Asphalt Concrete Paving and Base
 32 12 23 Pavement Markings and Signs

32 13 12	Landscape Concrete
32 14 12	Concrete Unit Paving
32 16 00	Concrete Curb, Gutter and Sidewalk
32 17 26	Cast-In-Place Detectable/Tactile Warning Surfaces
32 31 14	Vinyl Coated Chain Link Fence & Gates
32 33 00	Site Furnishings
32 84 00	Irrigation
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DIVISION 33 –UTILITIES

Section	33 11 00	Water Utility Distribution Piping
	33 30 00	Sanitary Sewerage Utilities
	33 40 00	Site Drainage

END OF SECTION

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SECTION 09 65 25**STATIC RESISTANT FLOORING**

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Provide static resistant (conductive) resilient tile flooring and accessories as required for complete finished installation.
- B. Related Sections:
 - 1. Section 09 65 10: Resilient base.
 - 2. Section 09 65 20: Resilient tile flooring.
 - 3. Section 09 68 10: Tile carpeting edge strips.

1.2 SUBMITTALS

- A. Product Data: Furnish manufacturer's product literature including information regarding static resistance (conductivity).
- B. Samples: Furnish samples of each type of flooring color and pattern.

1.3 QUALITY ASSURANCE

- A. Sustainability Requirements: Comply with CALGreen requirements including those relative to finish material pollution control for adhesives and resilient flooring.

1.4 SITE CONDITIONS

- A. Ensure floor surfaces are smooth and flat.
- B. Ensure concrete floors are dry and exhibit negative alkalinity, carbonizing, and dusting.
- C. Maintain minimum 70-degree F air temperature at flooring installation area for three days prior to, during, and for 24 hours after installation.
- D. Store flooring materials in area of application; allow three days for material to reach same temperature as area.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

- A. Armstrong Flooring/Static Dissipative Excelon SDT.
- B. VPI Corporation/ESD Static Control Tile.
- C. Substitutions: Refer to Section 01 25 00.
- D. ***Basis of Design: Nora systems, Inc., Noraplan Sentica ED***

2.2 MATERIALS

- A. System Description: Provide static resistant resilient tile flooring and accessories.
- B. Regulatory Requirements, Flammability: Provide materials tested under ASTM E648, Flooring Radiant Panel Test, with results of 0.45 watts/sq cm or higher.
- C. Regulatory Requirements, Slip-Resistance: Hard surface finishes to comply with requirements of authorities having jurisdiction for slip-resistant hard surfaces, including general code requirements and access for persons with disabilities.
- D. Performance Criteria, Conductivity (Static Resistance): Meet UL Standard 779, Standard for Electricity Conductive Flooring.
- E. Static Resistant **Resilient Rubber Tile** ~~Vinyl Composition Tile (VCT): 12" by 12" by 1/8" thick; vinyl composition tile conforming to ASTM F1066, Composition 1.~~ **610mm by 610mm by 3mm thick; nora vulcanized rubber compound 913.**
 - 1. Color and Pattern: As indicated on Finish Schedule as selected by Architect from manufacturer's full range of available colors where not otherwise indicated.
 - 2. Static Dissipative Flooring: Provide conductive type tile flooring designed to conduct static charges to grounding cables preventing static buildup. Provide accessories as required for complete static dissipative flooring system.
- F. Edge Strips: Homogeneous vinyl or rubber, tapered or bullnose edge, color as selected by Architect.
- G. Sub-Floor Filler: White premixed latex-cement paste designed for providing thin solid surface for leveling and minor ramping of subsurface to adjacent floor finishes.
 - 1. Use material capable of being applied and feathered out to adjacent floor without spalling.
- H. Primers and Adhesives: Waterproof nontoxic types as recommended by flooring manufacturer for specified material and application.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Conform to manufacturer's recommendations for preparation and to ASTM F710.
- B. Remove sub-floor ridges and bumps; fill low spots, cracks, joints, holes, and defects with sub-floor filler.
- C. Clean floor and apply, trowel and float filler to leave smooth, flat hard surface; prohibit traffic until filler is cured.
- D. Test substrate for moisture content in accordance with flooring manufacturer recommendations; where moisture content exceeds recommendations take measures recommended by flooring manufacturer.

3.2 INSTALLATION

- A. Conform to manufacturer recommendations and installation instructions including special instructions to ensure static resistance (conductivity) of flooring installation.
 - 1. Open floor tile cartons, enough to cover each area, and mix tile to ensure shade variations do not occur within any one area.
- B. Spread cement evenly in quantity recommended by manufacturer to ensure adhesion over entire area of installation; spread only enough adhesive to permit installation of flooring before initial set.
- C. Set flooring in place using methods to ensure full adhesion.
- D. Lay flooring with joints parallel to building lines to produce symmetrical pattern.
- E. Install minimum 1/2 tile at room and area perimeter.
- F. Terminate resilient flooring at centerline of door openings where adjacent floor finish is dissimilar.
- G. Install edge strips at unprotected and exposed edges where flooring terminates.
- H. Scribe flooring to walls, columns, floor outlets and other appurtenances, to produce tight joints.
- I. Consult with Architect for floor pattern desired in each area.
- J. Edge Strips: Install where edge of tile would otherwise be exposed; butt to flooring without gaps; set in adhesive.

3.3 CLEAN-UP AND PROTECTION

- A. Remove excess adhesive from floor, base, and wall surfaces without causing damage.
- B. Prohibit traffic from floor for 48 hours after installation.

END OF SECTION

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SECTION 09 77 20**ACOUSTICAL WALL SYSTEM**

PART 1 - GENERAL**1.1 RELATED DOCUMENTS**

- A. *Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.*

1.2 SUMMARY

- A. *Section includes shop-fabricated, acoustical wall panel units tested for acoustical performance, including the following:*
1. *Sound-absorbing wall panels directly attached to framing.*
 2. *Perimeter trims.*
- B. *Related Requirements:*
1. *Section 09 21 00 Gypsum Board Assemblies for GA level 4 finish requirements.*
 2. *Section 09 90 00 Painting and Coating for painted finish.*

1.3 DEFINITIONS

- A. *NRC: Noise Reduction Coefficient.*

1.4 PREINSTALLATION MEETINGS

- A. *Preinstallation Conference: Conduct conference at Project site.*

1.5 ACTION SUBMITTALS

- A. *Product Data: For each type of product.*
1. *Include panel edge, core material, perimeter trims, mounting screws, joint compounds, and finish texture compounds.*
- B. *Shop Drawings: For system assembly and installation.*
1. *Include plans, elevations, sections, and mounting details.*
 2. *Include details at panel head, base, joints, corners, and details at ceiling, floor base, and wall intersections. Indicate panel edge profile and core materials.*

3. *Include details at cutouts and penetrations for other work.*

1.6 INFORMATIONAL SUBMITTALS

- A. *Coordination Drawings: Elevations and other details, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:*
 1. *Electrical outlets, switches, and thermostats.*
 2. *Items penetrating or covered by units including the following, where applicable:*
 - a. *Lighting fixtures.*
 - b. *Air outlets and inlets.*
 - c. *Speakers.*
 - d. *Alarms.*
 - e. *Sprinklers.*
 - f. *Access panels.*
- B. *Product Certificates: For each type of system.*
- C. *Sample Warranty: For manufacturer's special warranty.*

1.7 CLOSEOUT SUBMITTALS

- A. *Maintenance Data: For each type of system to include in maintenance manuals. Include manufacturers' written cleaning and stain-removal instructions.*

1.8 QUALITY ASSURANCE

- A. *Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials, fabrication, and installation.*
 1. *Build mockup of typical wall area 48 inches wide by full height. Include intersection of wall and ceiling, corners, and perimeters.*
 2. *Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.*
 3. *Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.*

1.9 DELIVERY, STORAGE, AND HANDLING

- A. *Comply with system manufacturers' written instructions for minimum and maximum temperature and humidity requirements for shipment, storage, and handling.*
- B. *Deliver materials in unopened bundles and store in a temperature-controlled dry place with adequate air circulation.*

1.10 FIELD CONDITIONS

- A. Environmental Limitations: Do not install system until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work at and above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.**
- B. Lighting: Do not install system until a lighting level of not less than 50 fc is provided on surfaces to receive the units.**
- C. Air-Quality Limitations: Protect system from exposure to airborne odors, such as tobacco smoke, and install under conditions free from odor contamination of ambient air.**
- D. Field Measurements: Verify system locations and actual dimensions of openings and penetrations by field measurements before fabrication, and indicate them on Shop Drawings.**

1.11 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace system and components that fail in materials or workmanship within specified warranty period.**
 - 1. Failures include, but are not limited to the following:**
 - a. Acoustical performance.**
 - b. Sagging, distorting, or releasing from substrate.**
 - c. Warping of core.**
 - 2. Warranty Period: Ten years from date of Substantial Completion.**

PART 2 - PRODUCTS**2.1 MANUFACTURERS**

- A. Source Limitations: Obtain acoustical wall system specified in this Section from single source from single manufacturer.**

2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: Units shall comply with "Surface-Burning Characteristics" or "Fire Growth Contribution" Subparagraph below, or both, as determined by testing identical products by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:**
 - 1. Surface-Burning Characteristics: Comply with ASTM E84 or UL 723; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.**
 - a. Flame-Spread Index: 25 or less.**
 - b. Smoke-Developed Index: 450 or less.**

2.3 SOUND-ABSORBING WALL UNITS

- A. Sound-Absorbing Wall Panel: Manufacturer's standard panel construction consisting of spray applied fine texture finish compound over setting and dry tap compounds over acoustical wall panels mechanically secure to wall framing.**
- 1. Basis of Design: Armstrong World industries, AcoustiBuilt Seamless Acoustical Wall System.**
 - 2. Panel Shape: Flat.**
 - 3. Mounting: Mechanically secured to framing with drywall screws.**
 - 4. Core: Manufacturer's standard mineral-fiber board.**
 - a. Core-Face Layer: Manufacturer's standard fine texture.**
 - 5. Edge Construction: Manufacturer's standard.**
 - 6. Edge Profile: Tapered.**
 - 7. Acoustical Performance: Sound absorption NRC of 0.80 according to ASTM C423 for mounting according to ASTM E795.**
 - 8. Nominal Core Thickness: 7/8 inches.**
 - 9. Panel Width: 48 inches.**
 - 10. Panel Height: 72 inches.**

2.4 MATERIALS

- A. Core Materials:**
- 1. Mineral-Fiber Board: Maximum flame-spread and smoke-developed indexes of 25 and 10, respectively; minimum density of 13 lb/cu. ft., and with perforated surface.**
- B. Spray Applied Finish: Spray applied fine texture finish compound, GA level 4, per manufacturer's written instructions.**
- C. Mounting Devices:**
- 1. Mechanical Attachment to Framing: #6 Coarse thread drywall screws spaced per manufacturer's written instructions.**
- D. Perimeter Trim at Reveal:**
- 1. Armstrong, Trim-Tex AS 7/8" L bead (AS4350).**

2.5 FABRICATION

- A. Standard Construction: Use manufacturer's standard construction unless otherwise indicated; with spray applied finish to face and edges of dimensionally stable core.**
- B. Dimensional Tolerances of Finished Units: Plus or minus 1/16 inch for the following:**
- 1. Thickness.**
 - 2. Edge straightness.**
 - 3. Overall length and width.**
 - 4. Squareness from corner to corner.**

5. *Chords, radii, and diameters.*

PART 3 - EXECUTION

3.1 EXAMINATION

- A. *Examine panel units, substrates, areas, and conditions for compliance with requirements, installation tolerances, and other conditions affecting unit performance.*
- B. *Proceed with installation only after unsatisfactory conditions have been corrected.*

3.2 INSTALLATION

- A. *Install units in locations indicated. Unless otherwise indicated, install units with vertical surfaces and edges plumb, top edges level and in alignment with other units, faces flush, and scribed to fit adjoining work accurately at borders and at penetrations.*
- B. *Comply with manufacturer's written instructions for installation of units using type of mounting devices indicated. Mount units securely to supporting framing.*

3.3 INSTALLATION TOLERANCES

- A. *Variation from Plumb and Level: Plus or minus 1/16 inch in 48 inches, noncumulative.*
- B. *Variation of Joint Width: Not more than 1/32-inch variation from hairline in 48 inches, noncumulative.*

3.4 CLEANING

- A. *Clip loose threads; remove pills and extraneous materials.*
- B. *Clean panels on completion of installation to remove dust and other foreign materials according to manufacturer's written instructions.*

END OF SECTION

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SECTION 10 21 10**METAL TOILET COMPARTMENTS**

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Provide special height panel stainless-steel no-sight type privacy partitions for toilet compartments including hardware, attachment devices, and integral accessories as required for complete installation.
 - 1. Urinal Screens: Provide wall mounted stainless-steel partitions for urinal screens including attachment hardware for complete finished installation.
- B. Related Sections:
 - 1. Section 10 28 00: Toilet accessories.

1.2 REFERENCES

- A. Americans with Disabilities Act (ADA) Standards.
- B. California Building Code: California Code of Regulations, Title 24, Part 2, requirements for providing accessibility for persons with disabilities.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's literature.
- B. Shop Drawings: Clearly indicate partition layouts, swing of doors, elevations, anchorage and mounting details, panel construction, hardware, finishes and relevant dimensions.

1.4 QUALITY ASSURANCE

- A. Sustainability Requirements: Comply with CALGreen requirements including those relative to finish material pollution control for adhesives, sealants, and caulks.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

- A. Flush Metal Partition Corp.
- B. General Partitions Mfg. Corp.
- C. Substitutions: Refer to Section 01 25 00.
- D. *Hadrian Solutions ULC.***

2.2 MATERIALS

- A. System Description: Provide metal partitions including hardware, attachment devices, and integral accessories.
1. Toilet Compartment Type: ~~Floor to ceiling pilasters with 72" high no-sight privacy type doors and panels mounted nominal 4" above finished floor unless otherwise required for access for persons with disabilities.~~ **Floor mounted pilasters, overhead braced with 58 inches high panels mounted nominal 12 inches above finish floor with no sight privacy type doors and panels.**
 2. Urinal Screens: Provide wall mounted urinal screens.
- B. Regulatory Requirements, Access: Comply with California Building Code and Americans with Disabilities Act (ADA) Standards.
1. Door Width: Provide minimum 32" clear door openings when front entry, minimum 34" clear door openings when side entry.
 2. Spacing: Provide minimum 60" clear width, and front space as applicable for type of compartment. Provide wider space where partitions block wheelchair space due to mounting nominal 4" above finished floor.
 - a. Where spacing is not available increase mounting to height required to allow wheelchair to maneuver in accordance with building code and ADA.
 3. Reinforcing: Provide reinforcing for grab bars indicated to be partition mounted.
 4. Urinal Screens: Provide minimum 30" clear space at urinal.
- C. Stainless-Steel: Stainless-steel, ASTM A666, Type 304, with Number 4 polished finish; manufacturer's standard gages for units specified.
- D. Pilaster Shoes: Nominal 3" high; ASTM A666, Type 304, No. 4 polished finish; stainless-steel.
- E. Attachments, Screws and Bolts: Stainless-steel; tamper proof type; heavy duty stainless-steel or extruded aluminum brackets.
- F. Hardware: Stainless-steel.
1. Hinges: Cast pivot hinges, gravity self-closing type, adjustable for door close positioning; nylon bearings.
 2. Latch: Slide latch; door strike and keeper with rubber bumper.
 3. Coat Hook/Bumper: Combination coat hook and bumper unit, maximum 48" above finished floor.
 4. Wall Bumper: Wall mounted rubber bumper for out-swinging doors.

5. Pulls: Manufacturer's standard; provide two "U-shaped" pulls immediately below latch at compartments accessible to persons with disabilities (compartments with grab bars), one inside and one outside.

G. Wall brackets: Full height of panels, continuous.

H. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with antigrip profile and in manufacturer's standard finish.

2.3 FABRICATION

- A. Fabricate partitions in accordance with FS RR-P-1352.
- B. Doors and Panels: Minimum 1" thick by minimum 24" wide by minimum ~~72"~~ **58 inches high** sheet steel face pressure bonded to sound deadening core.
 1. Provide wider doors where required for accessibility for persons with disabilities.
- C. Pilasters: Nominal 1-1/4" thick, constructed same as doors, of sizes required to suit cubicle widths and spacing.
- D. Provide formed and closed edges for doors, panels, and pilasters; miter and weld corners and grind smooth; formed for no-sight privacy between panels, pilasters, and doors.
- E. Internal Reinforcement: Concealed type as required for attached hardware, fittings, and accessories; mark locations of reinforcement for compartment mounted washroom accessories.
 1. Coordinate location of accessories with Section 10 28 00.
- F. **Overhead Braced Units: Units: Manufacturer's standard corrosion-resistant supports, leveling mechanism, and anchors at pilasters and walls to suit floor and wall conditions. Provide shoes at pilasters to conceal supports and leveling mechanism. Where compartment size or panel size exceeds manufacturer's recommended spacing for bracing, provide additional overhead braces per manufacturer's recommendations.**

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine site conditions to which work is to be applied.
- B. Take site dimensions affecting this work.
- C. Ensure correct spacing and size of plumbing fixtures; take special note of fixtures in compartments indicated to be designed for persons with disabilities to assure clearances complying with access regulations.
- D. Ensure correct location of built-in framing, anchorage, and bracing, where required.

3.2 INSTALLATION

- A. Install units in accordance with manufacturer recommendations and installation instructions, secure, plumb, level, and square.
- B. Attach panel brackets securely to walls using anchor devices.
- C. Attach panels and pilasters to bracket with through sleeve tamper proof bolts and nuts.
- D. Provide for adjustment of floor to ceiling height variations with screw jack through steel saddles integral with pilaster; conceal fastenings with stainless-steel shoes, top and bottom.
- E. Equip each door with hinges, latch, and coat hook/bumper combination.
 - 1. At out swinging stall doors provide additional bumper on exterior of door, coat hook and bumper combinations are not acceptable.
- F. Install door strike keeper and door bumper on each pilaster in alignment with door latch.
- G. Adjust and align hardware to uniform clearance at vertical edges of doors not exceeding 3/16".
- H. Adjust hinges to locate doors in partial open position when unlatched, except adjust hinges to return doors to closed position at stalls designed for use by persons with disabilities.
- I. Anchor urinal screen panels to walls with continuous angle brackets on both sides.
- J. ***Full Height (Continuous) Brackets: Secure panels or screens to walls and to pilasters with full-height brackets.***
 - 1. ***Locate bracket fasteners so holes for wall anchors occur in tile joints.***
 - 2. ***Align brackets at pilasters with brackets at walls.***
- K. ***Overhead-Braced Units: Secure pilasters to floor and level, plumb, and tighten. Set pilasters with anchors penetrating not less than 1-3/4 inches into structural floor unless otherwise indicated in manufacturer's written instructions. Secure continuous head rail to each pilaster with no fewer than two fasteners. Hang doors to align tops of doors with tops of panels, and adjust so tops of doors are parallel with overhead brace when doors are in closed position.***

3.3 CLEANING

- A. Clean surfaces of oil and imperfections.
- B. Field touch-up of scratches and defaced finishes will not be permitted; replace damaged, scratched and marred defective materials with new, undamaged materials.

END OF SECTION

SECTION 10 22 20

OPERABLE PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Provide manually operated, top supported, operable partitions with retractable seals, including hardware and accessories as required for complete, operable system.
 - 1. Acoustical Closure: Review Contract Documents to ensure acoustical closure of adjacent construction matches operable partition acoustical performance to prevent flanking sound around partition into adjacent spaces.
 - a. Provide additional construction as required to ensure acoustical closure.

1.2 ADMINISTRATIVE REQUIREMENTS

- A. Design/Build Requirements: Provide services of registered structural engineer licensed in California with experience designing support for operable partitions.
 - 1. Distribute loads to locations on building structure capable of supporting system without detrimental effects.
- B. Pre-Installation Meeting: Convene not less than one week prior to commencing work of this Section. Require attendance of those directly affecting work of this Section.
 - 1. Review installation procedures and coordination required with related work.

1.3 SUBMITTALS

- A. Product Data: Furnish materials description, operation, and maintenance instructions.
- B. Shop Drawings: Show partition and track layout, details of head, jamb, and sill conditions, stacking arrangement, hardware, and operating mechanism.
 - 1. Indicate details of acoustical barrier over partitions system.
 - 2. Provide template drawings for items supported or anchored by permanent construction.
- C. Samples: Furnish samples of panel finish and edge construction.
- D. Test Reports: Furnish copies of certificates by independent testing laboratories for following:
 - 1. STC rating.
 - 2. Flame spread classification.
 - 1. Fire resistance ratings.
 - 2. Field STC Tests: Furnish previous project test reports.

E. Certificates:

1. Manufacturer Certification: Furnish manufacturer's certification indicating system complies with Contract Documents.
2. Installer Acceptance: Furnish letter from manufacturer indicating acceptance of installer for this Project.
3. Design/Build Engineer Certification: Furnish certification from California registered engineer indicating structural support complies with Contract Documents and applicable codes without detrimental impact on building structure.

1.4 QUALITY ASSURANCE

- A. Qualification of Installers: Minimum five years successful experience in installing operable partitions and accessories on comparable projects.
1. Acceptable to manufacturer of operable partition.

1.5 WARRANTY

- A. Extended Correction Period: Provide for correcting failure of operable partition system from proper operation, including acoustical characteristics.
1. Special Warranty Period: Two years.
- B. Manufacturer's Warranty: Submit manufacturer's warranty including special manufacturer services as required for manufacturer's warranty.
1. Period: Not less than 10 years.
 2. Manufacturer's warranty shall not detract from requirements of extended correction period nor from Owner's rights under implied and expressed warranties regardless of wording of manufacturer's warranty.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

- A. Hufcor, Inc.
- B. Modernfold, a DORMA Group Company.
- C. Industrial Acoustics Co., Inc.
- D. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

- A. System Description: Provide manually operated operable partitions with retractable seals and including hardware and accessories.

1. Partition Type: Top-supported, side-stacking, manually operated, with flush panels; manufacturer's STC 55 or 56 system as required to achieve required field performance requirements.
 - a. Basis of Design: Hufcor Series 641 system with metal face for maximum acoustical performance.
2. Acoustical Closure: Provide acoustical closure of adjacent construction as required to match operable partition acoustical performance and as required to prevent flanking sound around partition into adjacent spaces.
- B. Design Requirements: Design system to be supported by building structure; designed connections by registered professional structural engineer licensed in California.
 1. Distribute loads to locations on building structure capable of supporting system without detrimental effects.
- C. Fire Performance Requirements: Provide products listed by Underwriters Laboratories (UL), or similar independent laboratory acceptable to applicable authorities.
 1. Flame Spread/Smoke Developed: Provide products meeting code requirements for maximum 25 flame spread and 450 smoke developed; Class A, ASTM E84.
- ~~D. Field Acoustical Performance Requirements: Provide minimum three field sound transmission rating tests on previous projects of similar size and scope indicating system to be provided has minimum FSTC of NIC-42.~~
 - ~~1. Ratings: Determined in accordance with ASTM E413; tests by Architect approved independent testing laboratory.~~
 - ~~2. Field Sound Transmission Rating: Minimum FSTC of NIC 42 when tested in accordance with ASTM E336, using reverberant field procedure and full octave bands rather than one-third octave bands.~~
 - ~~3. Operable Partition to have sound absorbing panels with a minimum NRC 0.75.~~
- E. Partition Type: Top-supported, side-stacking, manually operated, with flush panels.
 1. Panel Configuration: Individual panels unless otherwise indicated.
- F. Panel Construction: Factory assembled, consisting of minimum 16 gage welded steel channel perimeter frame with intermediate stiles, high density sound retardant insulation.
 1. Panel Thickness: Nominal 3" to 4" thick; review Drawings for space provided for panel storage; provide panel system suitable of allowable space.
 - a. Notify Architect during bidding if Project design requires potential modification for system to comply with Contract Document.
 - b. Failure to notify Architect during bidding signifies acceptance of conditions indicated.
 2. Panel Skins: Minimum 24-gage steel with rust inhibitive prime coat of paint.

3. Panel Support Bolts: Minimum 1/2" diameter; of fail-safe design that prevents loosening or backing out after panels have been installed.
 4. Panel Materials: Incombustible, moisture resistant, and dimensionally stable.
 5. Construction: All steel construction.
- G. Track System: Overhead track designed for extra heavy duty; secured to structural support system by adjustable bolts.
1. Panel Supports: Ball bearing trolley assembly, capable of universal movement, turning on a central bearing and shall not require radius turns or switching mechanisms.
- H. Deflection Compensation: Design system to accommodate specified long-term dead load deflection of up to 1/2" at any point in span while maintaining operational and acoustical qualities.
- I. Seals: Provide system with single mechanism to activate floor seals; seals shall not contact floor or track during movement of panels.
1. Floor Seals: Durometer rating compatible with floor surfaces.
 2. Vertical Seals: Manufacturer's standard as required to achieve acoustical performance specified.
 3. Seal Materials: Resistant to fatigue and cleaning compounds and shall not mar floor or ceiling finishes.
 4. Floor Guide and Floor Attachments: Not permitted.
- J. Fixed and Operable Closure Jambs: Acoustical type designed to maintain acoustical seal at perimeter walls and junctions of operable partition; secure to building walls.
- K. System Supports and Anchors: ASTM A36 steel shapes as required to attach operable partitions to building structural system.
1. Provide bracing at track intersections to resist panel impacts.
- L. Finish: Panel and door finish shall be heavy duty vinyl fabric, color and texture as selected by Architect.
1. Apply finish to panels in shop. Return into vertical panel seams and mechanically fasten with removable astragal at panel edge.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine floor and overhead construction for conformance with tolerances; verify dimensions of in place and subsequent construction.
- B. Installation of partition shall constitute acceptance of existing conditions.

3.2 INSTALLATION

- A. Install operable partition system in accordance with manufacturer's recommendations and installation instructions as required to assure compliance with sound transmission test requirements.
 - 1. Comply with ANSI E557, Standard Recommended Practice for Architectural Application and Installation of Operable Partitions.
 - 2. Lubricate bearings and sliding parts; adjust to ensure smooth, easy operation.
 - 3. Match operable partitions for color and pattern by using partition sections from cartons in same sequence as manufactured and packaged.
 - 4. Broken, cracked, chipped, damaged, and deformed partitions are not acceptable.
- B. Upon completion of installation, test operation of partition in presence of Architect.
- C. Instruct Owner's personnel in operation and maintenance of partition.

3.3 FIELD QUALITY CONTROL

- A. Site Acoustical Tests: Determine field sound transmission class values in accordance with ASTM E336; tests by Architect approved independent testing laboratory.
 - 1. Field Sound Transmission Rating: Minimum FSTC of NIC 40 when tested in accordance with ASTM E336, using reverberant-field procedure and full octave bands rather than one-third octave bands.
 - 2. Failed Tests: Make corrections and re-test.

3.4 CLEANING

- A. Clean operable partition surfaces and adjacent surfaces soiled by operable partition work; avoid use of abrasive cleaners and solutions containing corrosive solvents.
 - 1. Remove and replace panels and adjacent construction damaged by installation or cleaning operations.

END OF SECTION

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