University of Kentucky
Procurement Services

INVITATION FOR BIDS

CCK-2563.30-18-25
CTC & AAC BP08 Fit Out group 2
ADDENDUM #2
05/06/2025

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY: 05/13/2025 @ 3:00 P.M. LEXINGTON, KY TIME

Bidder must acknowledge receipt of this and any addendum as stated in the Invitation for Bids.

ITEM #1: Revisions to Original Bid Documents and Questions & Answers

- Refer to and incorporate within the offer the enclosed Questions and Answers and additional information from the project team.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

05/06/2025

Ken Scott
_____

Ken Scott / (859) 257-9102

SIGNATURE

_____

_____
Typed or Printed Name

University of Kentucky
Procurement Services
322 Peterson Service Building
Lexington, KY 40506-0005

Addendum #02 BP-08 (Group 2)

Client	University of Kentucky Healthcare	Date	5/6/25
Project	UK Cancer Center + AAC BP-08 Fit-Out (Group 2) ADD#2	UK Project #	2563.3
	UK-2563.30-16-25	Champlin Project #	514-6926

This addendum provides information to clarify or adjust construction items which may affect any or all trade contractors. The original documents for the referenced project are amended as noted in this addendum and made part of said documents and shall govern the work covered by the Form of Proposal. All work to be in strict accordance with the terms, stipulations and conditions of contract documents.

CLARIFICATION:
Drawings with revision clouds have changes as described below.

SUMMARY OF ATTACHMENTS

PART A – DRAWING

A400 and A401 Exterior Elevations Issued for Reference

PART B - SPECIFICATIONS:

033000-Concrete Issued for Reference

PART C – RESPONSES TO BIDDER QUESTIONS:

See attached bidder questions and responses.

PART D – SUBSTITUTION REQUESTS

See attached substitution requests.

PART E – ADDITIONAL EXHIBITS

1. Schedule Area Markup

PART F – SKETCHES

2. Bid Package 7 Logistics Plans and Dock Sketches
3. Bid Package 7 Tent Specifications.
4. Glass Vestibule Sketch

T 513.241.4474 TF 800.925.4424 720 East Pete Rose Way, Cincinnati, OH 45202 thinkchamplin.com

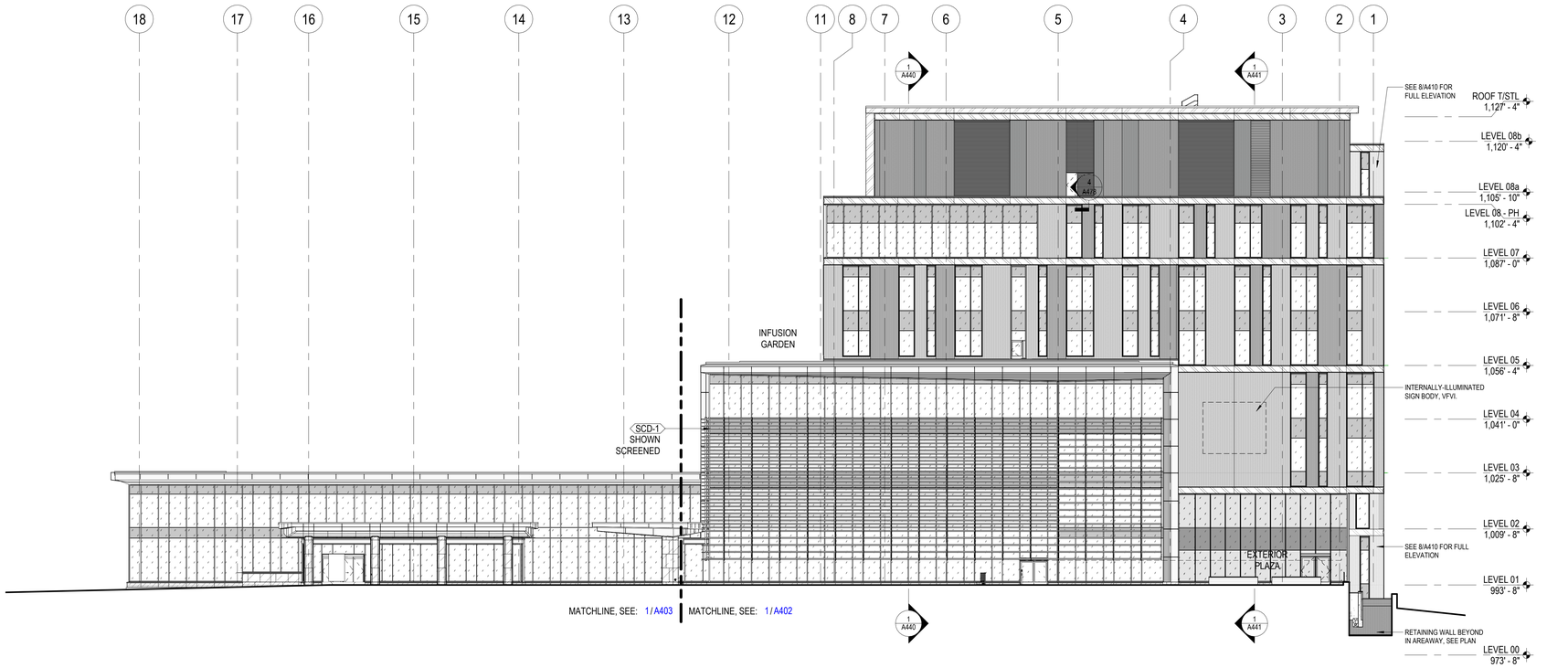
PART G – UPDATED BID FORMS

TC06A8 Finish Carpentry – Bid Form Updated
- Allowance added

TC08E8 Interior Glazing – Bid Form Updated
- Allowance Added

TC09C8 Soft Flooring – Bid Form Updated
- Cost Breakouts added

End of Addendum



1 OVERALL - SOUTH ELEVATION
1/16" = 1'-0"
1/A200

2 OVERALL - WEST ELEVATION
1/16" = 1'-0"
1/A200

EXTERIOR FINISH LEGEND

FBR-1A FACEBRICK, BEIGE	FBR-1B FACEBRICK, BEIGE, TEXTURED	FBR-2 FACEBRICK, RED
FBR-3 FACEBRICK, DARK RED, INSET	GL-21 VISION GLASS	GL-22 REFLECTIVE GLASS
GL-23 BIRD SAFE GLASS	GL-41 SPANDREL GLASS	GL-42 REFLECTIVE SPANDREL GLASS
MP-1 METAL PANEL, ZINC FLAT PANEL	MP-2 METAL PANEL, PAINTED FINISH	MP-3 METAL PANEL, PAINTED FINISH
SPP-1 WOOD VENEER COMPOSITE PANEL	STN-1 LIMESTONE VENEER	STN-2 GRANITE STONE VENEER
LVR-1A LVR-1B PREFINISHED ALUMINUM LOUVERS	MP-4 METAL PANEL, PAINTED FINISH	

GENERAL NOTES - EXTERIOR ELEVATIONS

A. REFER TO OVERALL FLOOR PLANS FOR ADDITIONAL INFORMATION REGARDING EXTERIOR WALL TYPES AND MATERIALS.
B. SEA LEVEL ELEVATIONS OF EXISTING FLOORS ARE BASED ON SURVEY INFORMATION AND\OR AS-BUILT DRAWINGS PROVIDED BY THE OWNER. THE SURVEY DATA MAY NOT BE COMPLETE AND THE ACTUAL EXISTING ELEVATIONS MAY VARY IN DIFFERENT PORTIONS OF THE EXISTING BUILDING. ALL INFORMATION MUST BE FIELD VERIFIED AND COORDINATED BETWEEN NEW AND EXISTING CONSTRUCTION TO PROVIDE MATCHING FLOOR ELEVATIONS WHERE REQUIRED.
C. GRADE LINE SHOWN ON ELEVATIONS DOES NOT REFLECT SITE GRADING CONDITIONS; REFER TO CIVIL DRAWINGS FOR GRADING INFORMATION.
D. REFER TO SHEETS A490 - A496 FOR EXTERIOR WINDOW, CURTAIN WALL, LOUVER, AND SUNSHADE ELEVATIONS

KEYNOTES

#	DESCRIPTION

CHAMPLIN ARCHITECTURE
720 EAST PETE ROSE WAY
CINCINNATI, OH 45202
T 513.241.4474
thinkchamplin.com
THINK CREATE REALIZE

HGA
420 North 5th Street, Suite 100
Minneapolis, Minnesota 55401
Telephone 612.758.4000

THP
AEI Affiliated Engineers
CMTA
OLIN
CARMAN LANDSCAPE ARCHITECTURE URBAN PLANNING CIVIL ENGINEERING
WALSH CONSULTING GROUP
bell engineering
CDM Smith
PIVOTAL lighting design

HEALTHCARE

Cancer Treatment Center + Advanced Ambulatory Center

1220 Elizabeth St.
Lexington, KY 40536

UK Project Number 2563.0

ISSUANCES

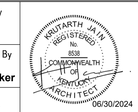
No.	Description	Date
1	C&S 100 DD REVIEW	01/10/24
2	C&S 80% CD	03/05/24
3	C&S 100% CD REVIEW	04/09/24
4	BP-07 BID & PERMIT	04/30/24

Drawn By

Checked By
Checker

Client Number
514

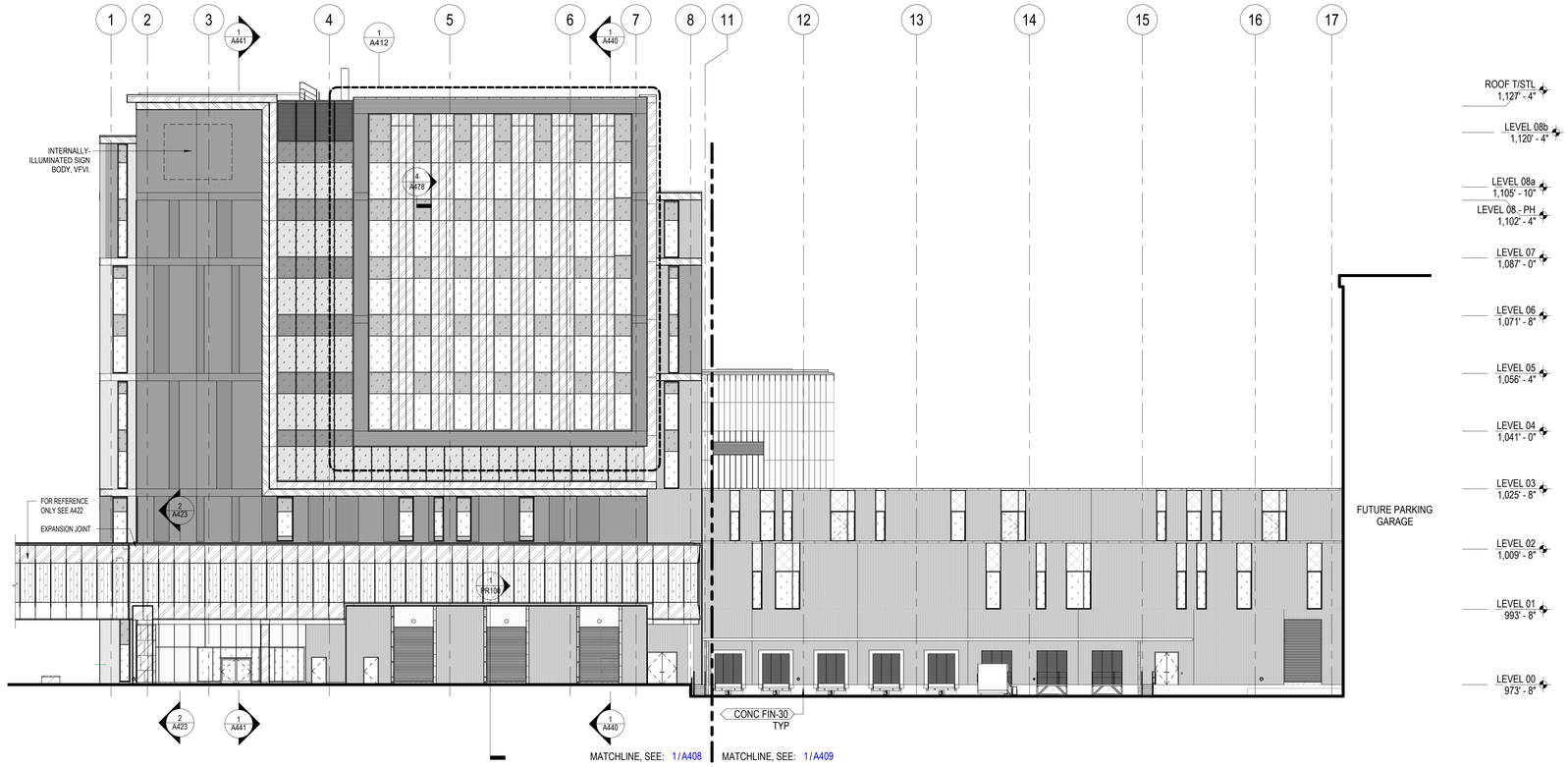
Project Number
6926



DRAWING TITLE
OVERALL EXTERIOR ELEVATIONS

SHEET NO.
A400

5/2/2024 10:40:38 AM



1 OVERALL - NORTH ELEVATION
1/16" = 1'-0"

2 OVERALL - EAST ELEVATION
1/16" = 1'-0"
1/A200

EXTERIOR FINISH LEGEND

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Drawn By: Author
Checked By: Checker
Client Number: 514
Project Number: 6926

MUTTARTH M. IN REGISTERED No. 8536 COMMONWEALTH OF KENTUCKY ARCHITECT 06/30/2024

DRAWING TITLE

OVERALL EXTERIOR ELEVATIONS

SHEET NO.

A401

SECTION 033000 - CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. All labor, materials, equipment, special tools and services to complete cast-in-place concrete work required for the Project, as herein specified, and as indicated on the Drawings.

B. Related Sections:

1. Section 041500 – Masonry Reinforcement and Accessories.
2. Section 042000 – Unit Masonry
3. Section 051200 – Structural Steel.
4. Section 053000 – Metal Decking.
5. Section 071000 – Waterproofing.
6. Section 312000 – Earthwork.
7. Section 315000 – Temporary Retention System, Bracing, and Underpinning.
8. Section 316320 – Drilled Piers.
9. Divisions 21 through 26 – Pads, inserts, sleeves and embedments for mechanical and electrical items specified therein.

1.3 REFERENCES

A. A copy of each reference shall be kept in the field office for the duration of the project. The reference standards shall govern the work except as modified herein.

B. American Concrete Institute (ACI) 301-16 Specifications for Structural Concrete is hereby incorporated as part of this Section. Supplemental requirements and modifications listed herein take precedence over the requirements of ACI 301. All ACI 301 items, unless modified by the Contract Documents are incorporated as written. When part of an item is modified or voided, the unaltered provisions of the item shall apply as written.

C. ACI 305.1-14 Specification for Hot Weather Concreting.

D. ACI 306.1-90 Standard Specification for Cold Weather Concreting.

E. The ACI MNL-15(16) Field Reference Manual.

F. Other ACI references as noted in this Section.

G. American Association of State Highway and Transportation Officials (AASHTO) Specifications as noted in this Section.

H. ASTM International (ASTM) Specifications as noted in this Section.

I. Concrete Reinforcing Steel Institute (CRSI) Manual of Standard Practice, 29th Edition.

J. National Ready Mixed Concrete Association (NRMCA) Quality Control Manual.

1.4 SUBMITTALS

A. General.

1. Shop drawings shall be produced by the Contractor and submitted to the Architect/Engineer for review. The Architect/Engineer will endeavor to complete review of a shop drawing submittal within 14 days of receipt of the submittal. Fabrication of material prior to the receipt of corresponding approved shop drawings shall be at the Contractor's risk.
2. The Contractor is responsible to furnish field-verify information, coordinate material requirements, and review shop drawings prior to submittal of shop drawings to the Architect/Engineer. Receipt of shop drawings by Architect/Engineer will be an assumption by Architect/Engineer that this has been done.
3. Notations by the Architect/Engineer made on the shop drawings do not authorize additional compensation for the Contractor.
4. The Contract Documents (Drawings and Specifications) govern all concrete work. Errors on shop drawings or discrepancies between shop drawings and Contract Documents shall be governed by the Contract Documents. Even if shop drawings contain errors after review by the Architect/Engineer, no additional compensation shall be due the Contractor to correct work to what is shown on the Contract Documents.
5. Architectural and mechanical drawings supplement the structural drawings. Requirements for concrete work may be shown on architectural and mechanical drawings.
6. The Architect's and Engineer’s review of details and construction operations shall not relieve the Contractor of responsibility to successfully complete the work in accordance with these Specifications and within the Contract time.
7. Shop drawings may be received and returned electronically. If paper copies are submitted no more than two copies will be returned to the Contractor or Construction Manager.

B. Sustainable Design Submittals:

1. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.
2. Product Certifications: For regional materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project and cost for each regional material.
3. Laboratory Test Reports: For curing and sealing compounds, indicating compliance with requirements for low-emitting materials.

C. Submit mix designs and test results conforming to the requirements of Section 4 of ACI 301. Submit request for approval to use admixtures, if any. A complete mix design submittal must be furnished at least three weeks prior to the planned use of that mix. The Contractor is cautioned to undertake mix design preparation and submittal procedures immediately after authorization to proceed with the Project.

1. The submitted mix designs shall address weather conditions that are expected to occur during the concrete construction phase. Concrete mixes shall not only be designed for average temperature and humidity conditions, but also for adverse conditions (hot and cold weather), as applicable to this project.

D. Submit letter stating that concrete subcontractors and suppliers are familiar with the reference standards.

E. Submit a Quality Control Plan in accordance with Section 1 of ACI 301.

F. Submit reinforcing steel shop drawings in accordance with Section 3 of ACI 301.

G. Submit formwork shop drawings for record only. For multistory construction submit record calculations of shoring and reshoring loads sealed by a professional engineer licensed in the state where the Project is located. Design and inspection of formwork for structural adequacy is the Contractor's responsibility. Prior to submittal, formwork shop drawings shall be reviewed by the Contractor's registered professional engineer.

H. For exposed-to-view concrete work submit formwork shop drawings for architectural review of formwork factors affecting appearance of the completed Work, including types of forms, ties, finishes, and joint types and locations. Review is for general architectural applications and features only.

1. Where the finish is to match a reference sample, produce a mockup that matches the reference sample in a location approved by the Architect. Obtain acceptance of the mockup before proceeding with that finish in the locations designated on the Drawings.

I. Submit procedures and records required in hot and cold weather concreting work.

J. Submit insert certifications and installation instructions requested herein for ledge angle inserts (See ACI 301, Section 5.2.1.10).

K. Submit documentation that the epoxy coating applicator is certified under the Concrete Reinforcing Steel Institute’s Fusion-Bonded Epoxy Coating Applicator Plant Certification Program.

L. Submit the following certifications:

1. All coating, floor covering and surface treatment manufacturer's approvals (in writing) of concrete curing compounds that are not removed prior to the product’s installation.
2. Subsequent treatment manufacturers' approvals (in writing) of form release agent.

M. Submit the following product samples for review:

1. Samples of form(s) to be used for exposed-to-view concrete.

N. The following submittals shall be provided in accordance with ACI 301 and Division 01 - General Requirements.

1. Contractor’s proposed Testing Agency.
2. Field and Laboratory tests that are the Contractor’s responsibility.
3. Data and test documentation on proposed materials including but not limited to:
   a. Cement.
   b. Aggregates.
   c. Admixtures.
   d. Reinforcing.
   e. Curing materials.
   f. Related materials for concrete construction specified herein.
   g. Material for repair of surface defects if other than site-mixed portland-cement mortar.
4. Construction joints not shown on the drawings.
5. Method of developing bond at joints (except slabs on grade).
6. Method of adding admixtures.
7. Procedure for adding water to ready-mixed concrete at site, including method of measuring water.
8. Method(s) for preserving moisture in the concrete.
9. Ready-mixed concrete delivery tickets.
10. Thermal control plan for all mass concrete placements.

O. Submit NRMCA Certificate of Conformance for concrete production facilities.

P. Submit documentation of all flatwork finishers and flatwork supervisors' certifications.

1.5 QUALITY ASSURANCE

A. Regulatory requirements:

1. Comply with applicable laws, ordinances, and the Kentucky Building Code (KBC).
2. Comply with the referenced ACI publications, as modified and supplemented in this Section.

B. Tests and inspections:

1. The Owner will employ a Geotechnical Engineer to inspect and approve foundation bearings and backfill compaction. Do not place concrete until subgrade approvals have been obtained.
2. The Owner will employ a testing and inspection agency to provide the services specified in Section 1.6.3 of ACI 301, including supplemental requirements defined in Article 1.8 of this Specification.
3. The Contractor shall select an independent testing agency, subject to the Architect/Engineer's approval, to perform all testing required by the Contractor for qualification of proposed materials and the establishment of mix designs, for the Contractor's use in determining concrete strengths for early form removal, and for all other testing services needed or required by the Contractor.

C. Flatwork finishers certification:

1. All flatwork finishers shall be ACI Concrete Flatwork Technician certified.
2. The on-site flatwork supervisor shall be ACI Concrete Flatwork Finisher and Technician certified.

D. Ready Mixed Plant Certification:

1. All ready-mixed concrete production facilities shall have a current Certification of Ready Mixed Concrete Production Facilities from the NRMCA, or equivalent.

E. Preconstruction Meeting:

1. A preconstruction meeting shall be arranged by the Contractor to review concrete pre-placement and placement activities, inspection and testing requirements, formed and unformed concrete finishes, hot and cold weather concreting procedures, form removal, critical tolerances, and acceptance procedures for architectural concrete.
2. The meeting shall be held three weeks or more before the first non-foundation concrete placement.
3. Ready-mix supplier, Contractor, concrete finishers, Construction Manager, Owner's concrete testing agency, and Architect/Engineer shall attend.

1.6 DELIVERY, STORAGE AND HANDLING

A. Deliver reinforcement to the project site bundled, tagged and marked. Use durable tags indicating bar size, lengths, etc., and other information corresponding to markings shown on placing drawings.

B. All reinforcement at the site shall be stored off the ground and protected from damage, accumulation of dirt and excessive rust.

C. Comply with ASTM D3963 'Standard Specification for Fabrication and Jobsite Handling of Epoxy-Coated Steel Reinforcing Bars' and the Appendix of ASTM A775 'Standard Specification for Epoxy-Coated Steel Reinforcing Bars' for jobsite handling of epoxy-coated rebar.

D. All formwork at the site shall be stored in a clean, dry location off the ground, covered and protected from damage and accumulation of dirt, etc.

1.7 SUBSTITUTIONS

A. Requests for product substitutions must be submitted for review and approval, with all necessary documentation, a minimum of 10 days before bids are due. Product substitutions will only be permitted if incorporated into the bid documents by addendum.

1.8 SUPPLEMENTAL REQUIREMENTS AND MODIFICATIONS TO ACI 301-16

A. The following statements modify and supplement ACI 301. All unaltered parts of ACI 301 shall apply as written.

B. The Section and paragraph numbers correspond to those in ACI 301. Note that each technical section of ACI 301 includes General requirements, Products, and Execution per the Three-Part Section Format of the Construction Specification Institute.

Section 1 (ACI 301) - General Requirements

1.5.3.1 The Contractor shall submit a quality control plan that addresses the following.

(a) Control and maintenance of project documents.
(b) Subcontractor/supplier services and verification of purchased products and materials.
(c) Concrete production inspection and testing.
(d) Pre-placement inspection including formwork, reinforcing and embedments.
(e) Placement inspection including consolidation, finishing and initial curing of concrete.
(f) Post-placement inspection including monitoring of moist curing and curing temperatures, verification of in-place strength before removal of shoring, and protection of exposed surfaces.

1.6.2.2(c) The Contractor shall arrange for all testing and inspections, giving the Owner's testing agency at least 24 hours advance notice.

1.6.2.2(d)1 The Contractor shall provide curing boxes as required by ASTM C31. Coordinate quantity and location with the Construction Manager and Testing Agency.

1.6.3.1(c) The Owner's testing agency shall report in writing all test results to Architect/Engineer, Contractor, Construction Manager and concrete supplier within three (3) working days after the tests are performed. Report by phone or email the results of early break cylinders to Contractor and Construction Manager. Reports of strength tests shall contain the name of the project, date and time of placement, location of placement, placement method, water added at site, sample location, weather conditions, batch ticket number, batch size, mix identification, specified strength, breaking strength and type of break, specimen diameter and weight, types of admixtures, percentage of entrained air, slump, concrete temperature, and detailed information of storage and curing of specimens before testing.

1.6.3.2(d)1 Unless noted otherwise concrete shall have at least one strength test for each 150 cubic yards, or fraction thereof, placed in any one day, nor less than one test for each 5000 square feet of surface area of slabs or walls, or fraction thereof. Strength tests are not required for backfill concrete.

1.6.3.2(d)2 Determine the slump (ASTM C143) for each batch of concrete that high-range water-reducer (superplasticizer) is added to in the field. Test and report slump both before and after superplasticizer is added.

1.6.3.2(e)1 When 6 by 12 in. cylinders are used make four test specimens for each sample (five required for mixes requiring 56 day strength tests). When 4 by 8 in. cylinders are used make five test specimens for each sample (six required for mixes requiring 56 day strength tests). One specimen shall be a hold specimen, to be tested only if a defective specimen is found.

1.6.3.2(e)2 Age of concrete for acceptance shall be 28 days unless otherwise shown in TABLE 4.2.2.8.b. Concrete mixes with strength specified at 56 days shall have one cylinder tested at 7 days, one at 28 days, and two 6 by 12 in. cylinders or three 4 by 8 in. cylinders at 56 days.

1.6.3.2(f) Air content tests shall be conducted on the first three batches in each placement of all mixes in which air entrainment is specified and until three consecutive batches have air contents within the range specified, at which time every third batch shall be tested. This test frequency shall be maintained until a batch is not within the range specified, at which time testing of each batch will be resumed until three consecutive batches have air contents within the specified range.

1. For pumped concrete the second or third batch in the placement, and periodically throughout the placement but not less than once for each 100 cubic yards, shall have air content checked at both the end of the truck discharge and at the end of the hose.
2. Concrete that does not satisfy air entrainment requirements shall be rejected.

1.6.3.2(g) Testing services provide a basis for acceptance or rejection of concrete furnished by this contract. Therefore, it is necessary that testing for air content and slump not only be done after all adjustments have been made, but before the concrete is discharged.

1.6.3.3(f) The Owner will employ an inspection agency to visually inspect the placement of reinforcing steel. Reference KBC 1704.4. Do not place concrete until all outstanding issues cited in the inspection reports have been corrected. Inspection of reinforcing steel to include, but not limited to:

1. Size, spacing, and quantity of bars.
2. Bar splices.
3. Embedments.
4. Concrete cover.
5. Support and securement.
6. Coatings.

1.6.3.3(g) The Owner will employ an inspection agency to inspect concrete operations including, but not limited to:

1. Use of proper concrete mix.
2. Consolidation.
3. Finish and finishing operations.
4. Curing methods, materials, and procedures.
5. Shoring removal and reshoring operations.
6. Formwork materials.

1.6.4.1(a) Contractor shall be responsible for costs of tests on hardened concrete performed by Owner's testing agency if the tests are required to verify the strength or air content of the concrete because representative concrete cylinder tests or air content tests failed to meet acceptance criteria. Owner will be responsible for costs of tests on hardened concrete performed by Owner's testing agency if the tests are at the Owner's request and representative concrete cylinder and air content tests meet acceptance criteria.

1.6.8.4 Concrete which fails to meet the requirements of this Specification shall be rejected.

1.7.1.6 The Contractor shall bear all costs of correcting rejected work, including the cost of the Architect's and Engineer's additional services thereby made necessary.

1.8.4 Masonry shall not be placed on or supported off of structural floors until the concrete is at least 28 days old and all shoring has been removed.

Section 2 (ACI 301) - Formwork and Formwork Accessories

2.1.2.1(g) Form tie configuration and spacing for all exposed-to-view concrete shall be submitted for review and approval of the Architect.

2.2.1.3 Form release agent shall be a commercial formulation form coating compound that will not bond with, stain, or adversely affect concrete surfaces and will not impair subsequent treatments of concrete surfaces. The form release agent manufacturer shall certify that the form release agent is chemically and physically compatible with all subsequent treatments of concrete surfaces. Furthermore, the form release agent shall be approved in writing by the manufacturers of all subsequent treatments.

2.2.1.4 Preformed Expansion Joint Filler: Non-impregnated type, closed cell resilient polyethylene foam, 1/2 in. thick unless otherwise noted on the Drawings.

2.2.1.5(a) Waterstops:

1. Bentonite rope joint sealant shall be installed in all vertical and horizontal construction joints in concrete walls below and exposed to grade, including slab/wall construction joints, unless otherwise noted. Secure with manufacturer's adhesive and mechanical fasteners as required for a secure installation. Construction joint shall be clean and dry. Prior approved products: Volclay Waterstop-RX 101T, HYPER STOP DB-2515, QUELLMAX 18x24.
2. Unless otherwise noted provide ribbed type, virgin PVC waterstop meeting Corps of Engineers CRD-C 572 at expansion joints in below grade and exposed to grade walls. Expansion Joint Waterstop shall be type with center bulb, and center bulb shall be 100% within joint. Do not embed center bulb in concrete. Expansion Joint Waterstop to be minimum 9 in. wide, and all butt joints shall be cut in miter box and welded per manufacturer's recommendations. Provide premolded unions, fittings and appropriate adhesive. Thoroughly clean joint, secure waterstop to reinforcing mat with hog rings, and vibrate concrete to eliminate voids.

2.2.1.5(b) Embedded items shall not be made of aluminum.

2.2.2.1 Design and engineering of formwork shall be the responsibility of the Contractor. Design of formwork and preparation of formwork drawings shall be under the

supervision of a licensed design engineer registered in the state where the Project is located. Formwork drawings shall be sealed by the licensed design engineer responsible for the design of the formwork.

2.2.2.3 Earth cuts may be used for vertical forms for footings below ground where the ground stands vertical and is approved by the Owner's testing agency prior to placement of concrete.

2.2.2.5(e) Construction joints shall be located such that the maximum placement length of a continuous concrete wall will not exceed 100 feet in any one day.

2.2.3.2 Form ties for exposed-to-view concrete walls shall leave a 1 in. diameter cone hole. The holes shall be left open or epoxy mortared at the discretion of the Architect. The ties shall be one of the following:

(a) Stainless steel "snap-ties" with a 1 in. break back.
(b) Galvanized "coil-bolt" type tie.
(c) "She-bolt" tie with the inner male unit galvanized.
(d) Other removable type tie with approval of the Architect.

2.3.1.2(a) Exposed edges of columns, walls, slabs and beams shall have 3/4 in. bevels, unless otherwise noted.

2.3.1.5(a) Concrete construction tolerances, even portions above 100 feet in elevation, shall be in accordance with ACI 117 with the following exceptions:

1. Variation in concrete edges supporting masonry and surfaces behind masonry and glass curtain wall shall not exceed plus or minus 1/2 in. from theoretical plan dimension.
2. Variation of beam soffit supporting masonry shall not exceed plus or minus 1/2 in. from theoretical elevation.
3. The class of surface for offset between adjacent pieces of formwork facing material shall be Class A for all surfaces exposed to view, and class C for all surfaces not exposed to view when the project is complete. Refer to 5.3.3.7 for ribbed slabs formed with metal pans.
4. Tolerances for placing anchor bolts and other embedded items for structural steel work (Section 051200) shall be in accordance with the AISC Code of Standard Practice for Steel Buildings and Bridges.

2.3.1.5(b) A preconstruction meeting shall be arranged by the Contractor for the purpose of reviewing critical tolerances, methods of making measurements, and the basis for acceptance or rejection of completed work to avoid misunderstandings at the time of final acceptance.

2.3.1.6(a) If required, retighten forms and bracing after concrete placement, but before concrete has taken its initial set, to eliminate mortar leaks and maintain proper alignment.

2.3.1.12(a) All sleeves, inserts and embedded items required by mechanical trades shall be furnished and placed by the appropriate mechanical contractor. All other sleeves, inserts, reglets, dovetail anchor slots, anchors and embedded items shall be furnished by the appropriate supplier and placed by the Contractor performing the work of this Section.

2.3.1.12(b) Sleeves, inserts, anchors and embedded items not shown on structural drawings must be approved by Architect/Engineer before placement of concrete.

2.3.1.14(a) Remove chips, wood, sawdust, dirt and debris just before concrete is placed.

2.3.1.18 Provisions for Other Trades: Provide openings in concrete and concrete formwork to accommodate work of other trades. Determine size and location of openings, recesses and chases from trades providing such items. Accurately place and securely support items built into forms. Size and location of openings, recesses and chases not shown on structural drawings must be approved by Architect/Engineer before placement of concrete.

2.3.2.4(a) Forms may be removed when the in-place concrete reaches the specified 28-day compression strength, or when the concrete reaches 75% of the specified 28-day compression strength and is no less than 7 days old. The 7-day minimum age requirement may be waived pending review of the proposed mix designs, forming systems, reshoring procedures and in-place concrete strengths.

2.3.3.4(a) Reshoring is required for multistory construction. The Architect/Engineer has the prerogative of disallowing any specific procedures the Architect/Engineer considers to be deleterious to the performance of the structure in its completed form.

2.3.3.4(b) The attention of the Contractor is directed to the following:

1. Live load and superimposed dead load capacities of each level are noted on the Drawings. Live loads are typically reduced per the building code for the design of beams and girders.
2. In general, the weight of newly placed concrete for a level, plus adequate construction load allowance, will exceed the combined live and superimposed dead load capacity of the level below.
3. When shores or reshores must extend to the ground to provide the required load-carrying capacity, the floors above the ground shall not be considered contributory to the shoring and reshoring capacity.

2.3.4.2(b)1 When Windsor Probe tests are used to evaluate the in-place strength of the concrete for form removal, the tests shall be performed by an approved testing agency in accordance with ASTM C803, with at least one test for each 1800 square feet of elevated structure. Windsor Probe tests shall be correlated to laboratory cured cylinders or drilled cores of the same material and mix-design to be tested.

2.3.4.3 Forms may not be removed until the actual in-place strength of the concrete is demonstrated by field-cured test cylinders, Windsor Probes, pullout tests, or the maturity method (ASTM C1074), regardless of the results of tests on laboratory-cured cylinders. These additional test cylinders or other tests shall be arranged and paid for by the Contractor.

Section 3 (ACI 301) - Reinforcement and Reinforcement Supports

3.1.3.1(a) Protect reinforcement surfaces from contact with soil, oil, formwork release agent, or other materials that decrease bond to concrete.

3.2.1.1(a) All reinforcing steel shall have a minimum F_y of 60 ksi. In addition, all reinforcing steel to be welded shall meet ASTM A706 and have a maximum carbon equivalent of 0.45%.

3.2.1.2(b)1 Provide epoxy coated steel where shown on the Drawings.

3.2.1.2(b)2 Epoxy coating shall be applied in plants certified in accordance with the CRSI Epoxy Coating Plant Certification Program.

3.2.1.2(b)3 Since the epoxy coating is flammable, the coated bars shall not be exposed to any fire or flame. Cutting coated bars by burning will not be permitted.

3.2.1.2(b)4 Repairs of coatings on epoxy coated bars and coated accessories shall be made at all breaks, abrasions, etc. exceeding an area of 0.01 sq. in., and at cut ends.

3.2.1.2(b)5 Every reasonable effort shall be made to repair all damaged areas of epoxy-coated reinforcing steel and accessories before any rusting occurs. If infrequent and small damaged areas do rust, the rust shall be thoroughly removed by media blasting or other approved method before the areas are repaired. The Contractor shall exercise care to ensure that coated bars, when incorporated into the work, are free from dirt, paint, oil, grease, or other foreign substances. The Architect/Engineer reserves the right to require cleaning of the reinforcement without additional compensation due the Contractor. It is the intent of this specification that an entirely rust-free and completely coated steel reinforcement system be provided before the concrete is placed. Placing of concrete shall be performed with methods and equipment that will not damage the coated materials.

3.2.1.2(b)6 Epoxy coating field patching material shall conform to ASTM A775 or ASTM A934 as applicable and shall be approved in writing by the epoxy coating manufacturer. The patching material shall be applied in accordance with the manufacturer's written instructions.

3.2.1.7(a)1 Welded wire reinforcement shall be in accordance with ASTM A1064 (smooth wire) unless noted otherwise on the Drawings. Furnish in flat sheets.

3.2.1.9(a) All clips, chairs, bars, and bar supports and other metallic materials used for installation or support of epoxy-coated reinforcing shall be entirely coated with epoxy or another polymer approved by the epoxy coating manufacturer.

3.2.1.9(b) Bar supports touching forms in concrete exposed to view, exterior or interior, shall be stainless steel, except use plastic or epoxy coated bar supports where bars are epoxy coated. Provide bar spacers for reinforcement in all walls.

3.2.1.10(a) Mechanical and welded splices of reinforcing steel shall be in accordance with ACI 318 and ACI 439.3R and approved by the Architect/Engineer.

3.2.1.11 Tie wire for holding reinforcing steel in position for Architectural Concrete shall be stainless steel except where bars are epoxy coated. Tie wire for all epoxy-coated bars shall be mylar or plastic-coated. Typically, ends of tie wire shall have a minimum of 1 in. clear distance to face of concrete.

3.2.1.16 Recycled content of Steel Products: Postconsumer recycled content plus one-half of preconsumer recycled content shall not be less than 60 percent.

3.2.2.2(a)1 Welding of reinforcing steel and welded wire reinforcement is not permitted without the approval of the Architect/Engineer.

3.3.2.8(e) Bending of reinforcing steel partially embedded in concrete is not permitted, unless otherwise detailed on the Contract Documents.

3.3.2.11 Placement of bars shall also be in accordance with the detailed recommendations given in the Concrete Reinforcing Steel Institute's "Placing Reinforcing Bars", 10th Edition.

3.3.2.12 Provide material and placement of contingency reinforcement as noted on the drawings. Bars are to be cut, bent and placed as directed by the Architect/Engineer as extra reinforcement without additional cost.

Section 4 (ACI 301) - Concrete Mixtures

4.1.1.1 The ready-mix concrete producer is completely and solely responsible for the design, production, and delivery of the concrete mixes to satisfy this Specification. The Contractor shall coordinate the review of the mix designs between the Ready-Mix Producer, Forming Contractor, and Placing/Finishing Contractor. The Contractor is responsible for informing the Ready-Mix Producer of the conditions at the job site, such as methods being used for placing concrete. Adjustments required to facilitate placing and achieve the desired results shall fall within the criteria of this Specification and shall be at no additional cost to the Owner. All mix designs and proposed adjustments to the same shall be submitted to the Architect/Engineer for review.

4.1.5 Regional Materials:

4.1.5.1 Concrete shall be manufactured within 500 miles of Project Site.

4.2.1.1(a)1 Cement for all concrete shall be ASTM C150, Type I or Type II, or ASTM C595, Type IL, unless otherwise noted. Air-entrained cement shall not be used. Air requirements shall be met by use of separate admixtures.

4.2.1.1(d)1 Class C and Class F fly ashes shall comply with ASTM C618, except that in addition to the requirements of ASTM C618, Type F fly ash shall have a maximum Loss on Ignition of 3%, with a maximum variation of 1%. Contractor's mix design submittal for mixes which include fly ash must be accompanied by complete chemical and physical analyses and quality control records for the proposed fly ash source for at least two years immediately prior to the proposed use on this project.

4.2.1.1(d)2 When fly ash is used, the ratio of fly ash to total cementitious materials shall be not less than 15% and no greater than 25%.

4.2.1.1(e)1 Ground granulated blast-furnace slag shall be Grade 100 or Grade 120 per ASTM C989.

4.2.1.1(e)2 When ground granulated blast-furnace slag is used, the maximum amount shall be limited to 40% by weight of the total cementitious materials.

4.2.1.2(a) All normal weight aggregates shall be graded, a mix of fine, intermediate, and coarse aggregates, and shall also conform to Kentucky Transportation Cabinet (KYTC) 601.02 as required for superstructures.

1. Aggregate certification submittal shall include copies of test reports on the proposed fine, intermediate, and coarse aggregates showing source of the materials and conformance with specification requirements. Tests shall be performed by a testing laboratory acceptable to the Architect/Engineer. Date of test(s) shall not be more than six months prior to date of submittal. Contractor shall furnish similar copies, of current date, when there is a

change in source of material and at any time upon demand by the Architect/Engineer.

4.2.1.3(a) Concrete mixer washout water shall not be used in any concrete except Backfill Concrete.

4.2.1.4.2(a) Calcium chloride, or admixtures containing more than .05% calcium chloride ions are not permitted. Written conformance to this requirement and the chloride content is required from the admixture manufacturer prior to mix design review.

4.2.1.4.3 High-range water-reducing admixture (superplasticizer) conforming to ASTM C494, Type F or G shall be used in all concrete with a specified maximum water-cementitious materials ratio below 0.42. The admixture may also be used at Contractor's option in other mixes, with the written approval of the Architect/Engineer, at no additional cost to the owner.

4.2.1.4.4 Water-reducing, non-chloride, non-corrosive, accelerating admixture conforming to ASTM C494, Type C or E, shall be used when early initial set is required. The admixture must have non-corrosive test data of a year's duration from an independent testing laboratory using an acceptable, accelerated corrosion test method such as that using electrical potential measures.

4.2.1.4.5 Water-reducing, retarding admixture conforming to ASTM C494, Type D shall be used when delay of the setting time for concrete is required.

4.2.1.4.6 Extended set-control admixtures, if used shall be added to the concrete during or immediately after the batching process. The dosage rate for each Mix Type shall be pre-determined by trial mixtures in which the admixture is added to a minimum 8 cu. yd. batch.

4.2.1.4.7 All admixtures shall be approved by the cement manufacturer.

4.2.1.6(a) Materials used for exposed concrete shall be furnished from the same source throughout the project unless otherwise approved by the Architect/Engineer.

4.2.2.2(a) Concrete shall be produced to have a maximum slump at the point of placement of 4 inches with a tolerance of one inch. This maximum slump may not be exceeded except by the addition of high-range water-reducer (superplasticizer). In those portions of the structure where member dimensions or congestion due to reinforcing steel prevent the proper placement and consolidation of the concrete at the maximum slump specified, superplasticizer shall be used by the Contractor in lieu of increasing the slump by the addition of water. Approved mix designs, with smaller size aggregates, may also be used in congested areas to facilitate concrete placement.

1. When superplasticizer is added at the site the maximum pre-adjusted slump shall be 4" and the maximum superplasticized slump shall be 8".

4.2.2.4(c)1 For pumped concrete, air content shall be periodically tested at both the truck discharge and end of hose. The required air content for acceptance at the truck discharge shall be adjusted, if necessary, to account for loss of air content during pumping.

4.2.2.4(d)1 Tolerance on air content for slabs that receive a trowel finish shall be +0.5%, -1.5%.

4.2.2.5(b) Maximum concrete temperature at time of discharge shall not exceed 95 °F. If necessary, use nitrogen cooling to maintain concrete temperature.

4.2.2.7(d)1 Chloride ion concentration - Maximum water-soluble chloride ion concentrations in hardened concrete at an age of 28 to 42 days contributed from all ingredients, including water, aggregates, cementitious materials and admixtures shall not exceed the limits indicated in Table 4.2.2.8(b). Immediately after receipt of contract, Contractor shall test proposed individual concrete ingredients for total chloride ion content. If the total chloride ion content calculated on the basis of the proposed concrete mix proportions exceeds the specified limits, it will be necessary to test hardened concrete samples of the proposed mix for water-soluble chloride ion content. If these test results exceed the specified limits, it will be necessary to vary ingredients and material sources and retest until specified limits are met.

a. Testing shall be performed by an independent testing laboratory employed and paid by the Contractor following ASTM C1218 test procedures.

4.2.2.8(b) Strength - Minimum concrete strengths shall be in accordance with Table 4.2.2.8(b). Note that some mixes may be specified with compressive strength requirements at other than 28 days.

Table 4.2.2.8(b) - Mixes and Locations

MIX TYPE	LOCATION	SPECIFIED STRENGTH (psi at days) (1)	MIN. PORTLAND CEMENT (lb. / cu. yd.) (2)	MAX % OF CHLORIDE BY WEIGHT OF CEMENT	MAX W/CM RATIO (7)	AIR % (1,3)	AGG. SIZE (4)
A	Foundations: Footings, drilled piers, pier caps, grade beams	4000 at 28	520	0.30	0.50	-	No. 57, 1 in.
B	Elevated beams, joists and slabs, columns as noted in the column schedule, and building foundation walls	5000 at 28	565	0.30	0.45	-	No. 57, 1 in.
C	Exterior Concrete	5000 at 28	600 (5)	0.15	0.40	6 +/- 1.5	No. 57, 1 in.
D	Interior slabs on grade, interior slabs on metal deck, and all concrete U.N.O.	4000 at 28	520	0.30	0.50	-	No. 57, 1 in.
E	Columns as noted in column schedule	7000 at 56	675 + 125 fly ash (6)	0.30	0.40	-	No. 57, 1 in.
F	Stair pan fills	3000 at 28	500	0.30	0.50	-	No. 8, 3/8 in.

MIX TYPE	LOCATION	SPECIFIED STRENGTH (psi at days) (1)	MIN. PORTLAND CEMENT (lb. / cu. yd.) (2)	MAX % OF CHLORIDE BY WEIGHT OF CEMENT	MAX W/CM RATIO (7)	AIR % (1,3)	AGG. SIZE (4)
G	Backfill concrete	1500 at 28	280	1.0	-	-	No. 57, 1 in.
H	Linacc vault walls and roof	3000 at 14 5000 at 56	540	0.30	0.45	-	No. 467, 1 1/2 in.

NOTES:
1. Concrete which is placed and does not meet strength or air content requirements shall be removed and replaced at no cost to the Owner.
2. Including fly ash or ground granulated blast-furnace (GGBF) slag in mixes where permitted. Not applicable if a specified minimum amount of fly ash or GGBF slag is listed with the mix. The minimum cement requirement may be met by substituting 1.33 lb. of fly ash for each 1.0 lb. of portland cement replaced, or 1.0 lb. of GGBF slag for each 1.0 lb. of portland cement replaced. The ratio of fly ash to total cementitious materials shall be no less than 15% and no greater than 25%; the ratio of GGBF slag to total cementitious materials shall be no greater than 40%; and the total of fly ash and GGBF slag shall be no greater than 50% of total cementitious materials.
3. Tolerance on entrained air content shall be as delivered.
4. Normal weight aggregate unless indicated lightweight (LW) concrete at 117 lb. / cu. ft.
5. Fly ash not permitted in this mix.
6. Fly ash can be omitted from this mix if minimum 25% of the cement content is replaced with GGBF slag.
7. Maximum w/cm ratio shall be based on the final total cementitious content submitted by ready-mixed producer.

4.2.3.5(a) Mix designs incorporating superplasticizer must be accompanied by test results from cylinders made from trial batches or field test data in which the superplasticizer was added to a minimum 8 cu. yd. batch in a truck mixer.

4.3.1.1(a) Site produced concrete is prohibited.

4.3.1.4 When a high-range water-reducer (superplasticizer) is added at the site it shall be premeasured and added in accordance with the manufacturer's written instructions and specifications, using truck-mounted power injection equipment capable of rapidly and uniformly distributing the admixture to the concrete. The concrete shall be mixed for a minimum of six minutes after addition of the superplasticizer prior to discharge.

4.3.2.1(a) Slump adjustment: When concrete arrives at the project with slump below that suitable for placing, and below the slump specified, water may be added only if neither the maximum water-cementitious materials ratio nor the maximum slump is exceeded, provided that:

1. The approved mix design has allowed for the addition of water on site.
2. The amount of water added at the site is accurately measured to plus or minus 1 gallon of the desired added amount.
3. The water addition is followed by 3 minutes of mixing at mixing speed prior to discharge.
4. Standard cylinder samples as required by these Specifications are taken after addition of water.

5. The person authorized to add water shall be mutually approved by Architect/Engineer, Contractor, Construction Manager and Ready-Mix Producer.

4.3.2.1(b) Do not add water to concrete after high-range water-reducing admixtures have been added.

4.3.2.1(c) The maximum water-cementitious materials ratio is defined as that of the mix design furnished by the ready-mix producer. (Not to exceed values noted in Table 4.2.2.8(b)).

4.3.2.1(d) Concrete arriving at the site above the maximum slump shall be rejected.

4.3.2.1(e) Addition of cement, except as part of initial batching at the plant in accordance with an approved mix design, is prohibited.

4.3.2.2(a) The concrete must be discharged from the ready-mix trucks within 1-1/2 hours after the introduction of mixing water to the cement and aggregates.

1. During hot weather or under conditions contributing to rapid setting of concrete, a shorter mixing time than specified in ASTM C94 may be required. When air temperature is between 85 °F (30 °C) and 90 °F (32 °C), reduce mixing and delivery time from 1-1/2 hours to 75 minutes, and when air temperature is above 90 °F (32 °C) reduce mixing and delivery time to 60 minutes.

4.3.2.3 Furnish to the Project Superintendent 2 delivery tickets with each load of concrete. Tickets shall contain the following information.

(a) Date.
(b) Producer and plant.
(c) Job.
(d) Contractor.
(e) Truck No. and time dispatched.
(f) Concrete designation and cement type.
(g) Admixtures description and content.
(h) Time discharge started and completed.
(i) Amount of concrete in load.
(j) Amount of water in mix at plant.
(k) Amount of any material added at the site and authorized signature.

Section 5 (ACI 301) - Handling, Placing and Constructing

5.1.2.1(d)1 Notify the Architect/Engineer at least two working days prior to placing concrete.

5.1.2.1(d)2 No concrete shall be placed without Owner’s Testing Agency being present. Give due notice to the Architect/Engineer and all Contractors affected before placing concrete. Allow adequate time for installation of all necessary parts.

5.2.1.1(a) Water used for curing exposed surfaces shall be free of substances that will stain or discolor concrete.

5.2.1.2 Curing Compounds:

(a) Curing Compound for unformed surfaces that will not receive a coating or bonded floor covering shall conform to the requirements of ASTM C1315, Type I, Class A.
(b) Curing Compound for formed surfaces, and unformed surfaces that will receive a coating or bonded floor covering, shall be a dissipating or removable curing compound that conforms to ASTM C309. Furthermore, the curing compound shall be approved in writing by the manufacturers of all coatings, floor coverings and surface treatments used on the project. Confirm types and locations of coatings, flooring, and surface treatments with Architect.
(c) Curing compound(s) shall comply with all applicable environmental and clean air regulations for the community in which this Project is located.

5.2.1.3 Waterproof curing sheets shall comply with ASTM C171. Prior approved materials:

(a) Orange Label Sisalkraft paper manufactured by the Fortifiber Building Systems Group.
(b) Polyethylene film, minimum 8 mils thickness. Except do not use on surfaces that will be left exposed to view when the project is complete.
(c) BurLene curing blankets manufactured by the Max Katz Bag Company, Inc.

5.2.1.7(a) Epoxy bonding agent shall comply with ASTM C881, Type V, Grade 2, with Class corresponding to temperature at time of pour.

5.2.1.7(b) Latex bonding agent shall comply with ASTM C1059, Type II.

5.2.1.10 Related materials for concrete construction shall be as follows:

5.2.1.10(a) Vapor retarder under interior slabs-on-grade: Minimum 15 mils thick, puncture resistant, high tensile strength plastic sheet material meeting ASTM E1745, Class A requirements. Include manufacturer’s pressure sensitive tape and mastic.

5.2.1.10(b) Non-slip Aggregate used as the abrasive aggregate for a non-slip floor finish shall be fused aluminum oxide grits, or crushed emery. Emery aggregate shall contain not less than 40% aluminum oxide nor less than 24% ferric oxide. Use material that is factory-graded, packaged, rustproof and non-glazing, and is unaffected by freezing, moisture and cleaning materials.

5.2.1.10(c) A floor sealer shall be used where shown on the architectural contract documents. The compound shall be a V.O.C. compliant water-based, non-yellowing acrylic sealer. Apply according to manufacturer’s recommendations.

5.2.1.10(d) Non-shrink grout shall have a minimum compression strength of 7000 psi at 28 days and be a non-shrink, non-metallic, non-staining, non-corrosive, premixed grout. Comply with ASTM C1107.

Prior approved grouts:
1. Dayton Superior Sure-Grip High Performance Grout
2. Euclid Hi Flow or NS Grout
3. Master Builders MasterFlow 713 or MasterFlow 928 grout

5.2.1.10(e) Neoprene bearing pads shown on drawings shall be 100% virgin chloroprene (Neoprene) and shall meet AASHTO specifications. Shore "A" hardness shall be 60 unless otherwise noted. Submit certification and test reports for the actual production run of these pads as part of the shop drawing submittal procedure.

5.2.1.10(f) Ledge Angle Inserts and Bolts:

1. Inserts shall be wedge type inserts. The main body of the insert shall have an overall height of at least 3-7/8 in. and provide a minimum 1-3/4 in. vertical adjustment for 3/4 in. diameter askew head bolts. The inserts shall have an attached anchor loop that projects at least 2-1/2 in. behind the body of the insert.
2. The insert supplier shall certify the inserts will simultaneously support a vertical load of 1000 pounds and a pullout load of 1600 pounds with a safety factor of 3. Vertical slip shall not exceed 1/16 in. Certification must be accompanied by test results from an independent testing agency.
3. Bolts shall be ¾ in. diameter Askew Head Bolts supplied by the insert manufacturer, of a length required to meet the capacity requirements shown above, including all concrete construction tolerances, shims, etc.
4. Steel shims shall be provided as detailed on the Drawings. Shims shall be "U-shaped" and shall fully bear against the concrete surface.
5. Inserts, bolts, nuts, washers and shims are to be hot-dipped galvanized in accordance with ASTM A153.
6. Submittals required by Insert Manufacturer:
    a. Installation instructions indicating the following:
        1) Minimum air temperature restrictions, if any, for torqueing bolts.
        2) Specified torque to obtain a factor of safety of 2 against slip between angle, shims and insert.
        3) Any special instructions regarding proper installation of proposed insert.
    b. Test data for insert furnished indicating shear and pullout capacity of insert.
    c. Certification as described herein.
7. Inserts shall be installed with a minimum of 1-1/2 in. of concrete below the insert.
8. See details on Drawings for additional information.

5.2.1.10(h) Dovetail Anchor Slots: 22 gauge minimum, G60 galvanized. Provide where masonry is backed by concrete. Maximum horizontal slot spacing is 16 in. c/c. Refer to architectural drawings.

5.2.1.10(i) Epoxy Adhesive:

1. Two-component, high modulus, high strength, structural epoxy adhesive for use in installing reinforcing steel dowels into hardened concrete.
2. ASTM C 881, Type IV, Grade 3 with class corresponding to temperature at time of placement.

5.3.1.3(d) Verify position and securement of embedded items before placing concrete.

5.3.1.4(a)1 Following approval of prepared subgrades by Soils Technician, spread and compact granular base course to 100% maximum dry density as determined by standard Proctor Method ASTM D698.

5.3.1.4(c) At all interior slabs-on-grade install vapor retarder over base in accordance with ASTM E1643 with all joints lapped 6 inches minimum and taped. Protect from damage during subsequent operations until concrete is placed. If surface of base is rough, place 1/2 in. of fine graded, compacted material over base before installation of vapor retarder. Vapor retarder to be continuous at turned down slabs from lower to higher slab elevations. Do not place vapor retarder under exterior slabs-on-grade.

5.3.1.5(a) Make provisions in advance for wind-breaks, shading, fogging, sprinkling, ponding, or wet curing as dictated by conditions at time of concrete placement.

5.3.1.7 Discharge of concrete from ready-mix trucks shall not begin until testing agency has made preliminary checks of slump (and air content - if required).

5.3.2.1(a)1 Adequate protection against rain, sleet or snow shall be defined as protection that prevents any and all adverse affects of the rain, sleet or snow on the appearance, strength or durability of the concrete.

5.3.2.1(b)1 Placement of concrete in cold weather shall also comply with Article 1.9 of this specification, titled Cold Weather Concreting.

5.3.2.1(c)1 Placement of concrete in hot weather shall also comply with Article 1.10 of this specification, titled Hot Weather Concreting.

5.3.2.1(d) Evaporation Retarder - When low humidity and/or dry winds create conditions suitable for plastic cracking, evaporation retarder may be required to be applied by spray one or more times during the finishing operation. Evaporation retarder shall not be used as a finishing aid.

5.3.2.3(c)1 Pumping pipes and hoses shall be supported above in-place reinforcing on plywood or tires to cushion impacts, prevent abrasions of epoxy coatings and PT sheathing, and prevent displacement of reinforcement.

5.3.2.4(i) Assume 1/2 in. average extra concrete will be required to account for deflection of metal deck.

5.3.2.4(j) Concrete is not permitted to be placed in standing water or under water without approval of Architect/Engineer.

5.3.2.6(d) Bond is required for vertical construction joints in horizontal members, except for slabs on grade.

5.3.3.3(a) *Surface finish-1.0* (SF-1.0):

1. No formwork facing material is specified.
2. Patch voids larger than 1-1/2 in. wide or 1/2 in. deep.
3. Remove projections larger than 1/2 in.
4. Tie holes need not be patched.
5. Surface tolerance Class C as specified in ACI 117.
6. Mockup not required.

5.3.3.3(b) *Surface finish-2.0* (SF-2.0):

1. Patch voids larger than 3/4 in. wide or 1/2 in. deep.
2. Remove projections larger than 1/8 in.
3. Patch tie holes unless indicated otherwise in Contract Documents.
4. Surface tolerance Class A as specified in ACI 117.
5. Mockup not required.

5.3.3.3(c) *Surface finish-3.0* (SF-3.0):

1. Patch voids larger than 3/4 in. wide or 1/2 in. deep.
2. Remove projections larger than 1/8 in.
3. Patch tie holes unless indicated otherwise in Contract Documents.

4. Surface tolerance Class A as specified in ACI 117.
5. Provide mockup of concrete surface appearance and texture.

5.3.3.4(b)1 Where a grout-cleaned rubbed finish is indicated, grout color shall match color of concrete surface to which the grout is applied. When the color of the grout lightens due to drying, rub the surface and keep the surface damp for 36 hours afterward.

5.3.3.4(c)1 Where a cork-floated finish is specified, grout color shall match color of concrete surface to which the grout is applied.

5.3.3.7 Specified Finishes of Formed Surfaces:

(a) NON-EXPOSED SURFACES shall be SF-1.0 per 5.3.3.3(a). This includes all non-exposed flat surface and ribbed slabs. Metal pans shall be new or factory reconditioned, with stiffeners to support concrete without sags and bulges in order to satisfy a Class D surface tolerance per ACI 117.

(b) EXPOSED SURFACES shall be SF-2.0 per 5.3.3.3(b). Vertical surfaces to be cast against Class 1 High Density Overlaid Plyform (HDO – Concrete Form) true to line. Slab and beam soffits to be cast against Class 1 HDO Plyform or Class 1 Medium Density Overlaid Plyform (MDO – Concrete Form). This finish applies to all exposed to view formed surfaces that are not designated Architectural Concrete, both interior and exterior.
   1. Formwork shall be in 8-foot lengths and 4-foot widths unless otherwise noted.

(c) ARCHITECTURALLY EXPOSED SURFACES shall be SF-3.0 per 5.3.3.3(c) cast against Class 1 High Density Overlaid Plyform (HDO – Concrete Form) true to line, unless specified otherwise in Section 6 (ACI 301). This finish applies to all formed surfaces exposed to view which are designated Architectural Concrete, both interior and exterior.
   1. Material and layout must be approved by Architect prior to placing concrete.
   2. Formwork shall be in 8-foot lengths and 4-foot widths unless otherwise noted.

5.3.3.8 In the case of disagreement regarding use of damaged or worn formwork impairing the concrete surface the Architect's decision shall be final.

5.3.4.2.1 Slabs shall be finished in accordance with 5.3.4.2(i) 'Unspecified unformed surface finishes' (as described in ACI 301), unless indicated otherwise on the architectural drawings or in 5.3.4.2(j).

5.3.4.2(c)1 Do not apply a 'hard-troweled' finish to air-entrained concrete specified to receive a 'trowel' finish.

5.3.4.2(c)2 Rider-operated floats and trowels shall not be used on air-entrained concrete specified to receive a trowel finish.

5.3.4.2(j) Specified Finishes of Unformed Surfaces:

Type A Exterior areas exposed to vehicular or pedestrian traffic to receive a floated or light broom finish per the Architect's direction. Finish slabs to a manual straightedge 'conventional' tolerance per ACI 117 (1/2 in. in

10 feet) and provide positive drainage with no “ponds” greater than 6 in. in diameter. Do not “over finish” slabs.

Type B Building interior slabs-on-grade and supported decks and all other slabs not specifically indicated shall receive a steel trowel finish in accordance with 5.3.4.2(c). Finish slabs to a ‘flat’ tolerance (SOF_F=35, MLF_F= 28, SOF_L=25, MLF_L=20) in accordance with ACI 117. Measure floor finish tolerance within 72 hours after floor finishing and before removal of supporting formwork or shoring. Levelness tolerance (SOF_L) is not applicable to un-shored suspended floors.

Type C Slabs to receive future waterproofing membrane or insulation with topping slabs shall have a floated finish in accordance with 5.3.4.2(b).

Type D Slabs to receive future topping slabs bonded to base slab shall be finished in accordance with 5.3.4.2(f).

Type E Stair treads and landings, interior or exterior, shall receive a non-slip floated finish with a non-slip aggregate finished to a manual straightedge ‘flat’ tolerance per ACI 117 (1/4 in. in 10 feet).

5.3.4.2(j)1 Unformed surfaces which do not comply with the specified tolerances, and are deemed unacceptable by the Architect or installer of subsequent floor covering(s), shall be remedied by the Contractor in a manner acceptable to the Architect at no additional cost to the Owner.

5.3.5.1 Where not otherwise shown on Drawings, provide control joints in slabs on grade at column centerlines and at the following maximum spacing:

(a) Slabs less than 5 in. thick – 12 ft. c/c
(b) Slabs 5 in. to 8 in. thick – 16 ft. c/c
(c) Topping slabs – 8 ft. c/c
(d) Maximum panel width-to-length ratio: 1.5.

5.3.6.4(a) When forms are removed prior to 7 days, apply one coat of liquid curing compound to all formed surfaces within an hour of formwork removal.

5.3.6.5(e)1 A thin layer of water shall be applied to the slab surface just prior to placement of the waterproof sheet. The sheet shall remain in place for a minimum of 7 days. All edges and laps of the waterproof sheet shall be weighted down. All tears in the sheet shall be immediately repaired and the concrete surface re-wetted so that no portion of the concrete surface remains uncovered and all portions of the concrete surface remain continuously moist.

5.3.6.5(f)1 Apply curing compound to flatwork in two coats at right angles to each other per manufacturer’s recommendations. Total application rate shall be in accordance with manufacturer’s recommendations, but not less than 1 gal./200 ft^2. For rough surfaces, such as broom or scratch finishes, increase application rate per manufacturer’s recommendations, but by not less than 50%.

a. Correct coverage shall be maintained by the applicator and determined through accurate measurement of the material and the number of square feet to which it is applied.

b. Curing compound shall also be applied to formed surfaces, including beam and slab soffits, per manufacturer's recommendations when forms are removed sooner than 7 days after concrete is cast.

5.3.6.5(g) Unless otherwise noted, preservation of moisture in concrete shall be by application of a curing compound satisfying the requirements of 5.2.1.2. Apply the curing compound in accordance with 5.3.6.5(f)1.

5.3.6.5(h) Where curing compound will not be compatible with applied finishes or is not permitted because of proximate occupancy, application of water-retention sheeting materials per 5.3.6.5(e) or a continuous wet cure per 5.3.6.5(a), 5.3.6.5(b), 5.3.6.5(c) or 5.3.6.5(d) is required. Apply water-retention sheeting materials or wet cure all slabs to receive a bonded topping or bonded waterproof membrane. Wet cure slabs shown on the architectural drawings as requiring a wet cure.

5.3.7.1(a) All voids, damaged places, fins, projections, and honeycomb areas shall be removed down to sound concrete and repaired immediately after form removal. Any concrete that is not formed as shown on the contract drawings, is out of alignment or level, or indicates a defective surface or unsoundness of any nature shall be removed and replaced to the limits required by the Architect/Engineer unless permission is granted to patch or otherwise correct the defective work. Permission to patch or attempt the correction shall not be construed as a waiver of the Architect/Engineer's right to require complete removal of the defective work should the patching or correction prove to be, in the opinion of the Architect/Engineer, unsatisfactory either as to structure or appearance.

5.3.7.2(a) Grout tie holes with non-shrink grout in below-grade walls. Coat the applied area with the specified bonding agent per the manufacturer's instructions. **Do not grout tie holes in exposed to view walls unless otherwise noted**.

5.3.7.5(a) Repair materials other than site-mixed portland-cement mortar shall be submitted for approval.

5.3.7.7 All patching materials shall be proportioned to match color of surrounding material after patch material has cured. Prior to starting patching operation, test different techniques, grout mixes, and curing procedures on concealed areas to best match cast concrete. Obtain approval from the Architect/Engineer of patching material and methods prior to proceeding with patching.

Section 6 (ACI 301) – Architectural Concrete

6.1.1.1 Surfaces designated as Architectural Concrete on the Drawings shall comply with section 6 of ACI 301.

6.1.1.2 Refer to the architectural drawings for locations requiring special formwork or finishes; locations and size of form joints and ties; and location, size and profile of reveal patterns.

6.1.4.4(a)1 Preconstruction mock-ups shall be prepared at the site to demonstrate the Contractor's ability to form, place and achieve the architectural finishes specified.

6.1.4.4(b)1 Unless indicated otherwise on the drawings, wall mock-ups shall be minimum 12 feet long by 8 feet tall with full-scale thickness, and shall contain the following:

a. Horizontal construction joint
b. Vertical construction joint
c. Form ties
d. Rustications and bevels
e. Simulated repair area
f. Typical Reinforcing
g. Sealer or coating, if applicable

6.1.4.4(d) Accepted mock-ups shall be used as a standard for the Work. The mock-ups shall be kept intact and protected until directed by the Architect to be destroyed and debris removed from the site. A non-exposed-to-view concrete wall within the structure may be used as a mock-up panel with Architect's prior approval.

6.1.4.5(a)1 The Architect will periodically observe completed portions of architectural concrete for acceptance. The frequency of periodic acceptance shall be established and agreed upon in a preconstruction meeting arranged by the Contractor.

6.1.4.5(b)1 Architectural concrete declared un-acceptable during periodic observation requires submittal of a revised method of producing acceptable concrete before proceeding with additional architectural concrete construction.

6.2.1.8(c) Form ties for architectural concrete shall comply with 2.2.3.2.

6.2.2.1(e)1 To ensure that reused forms will not contain patches resulting from alterations, forms shall be reused only on identical sections.

6.2.2.1(f) Unless otherwise specified, formwork for architectural concrete finishes shall comply with SF-3.0 in accordance with 5.3.3.3(c).

Section 7 (ACI 301) - Lightweight Concrete

7.1.1 Delete this section of ACI 301.

Section 8 (ACI 301) – Mass Concrete

8.1.1.1 Concrete which is thicker than 4 feet in its minimum dimension for foundation concrete and thicker than 3 feet in its minimum dimension for concrete above grade, shall be subject to the provisions of this section.

8.2.1.2 Where necessary, use a retarding admixture conforming to ASTM C494, pretested with project materials under project conditions, to prevent cold joints or to help reduce the maximum temperature and rate of temperature rise of the concrete.

8.2.1.3 Do not use accelerating admixtures in mass concrete.

Section 9 (ACI 301) – Post-Tensioned Concrete

9.1.1.1 Delete this section of ACI 301.

Section 10 (ACI 301) – Shrinkage-Compensating Concrete for Interior Slabs

10.1.1 Delete this section of ACI 301.

Section 11 (ACI 301) – Industrial Floor Slabs

11.1.1 Delete this section of ACI 301.

Section 12 (ACI 301) – Tilt-Up Construction

12.1.1 Delete this section of ACI 301.

Section 13 (ACI 301) – Precast Structural Concrete

13.1.1 Delete this section of ACI 301. Where applicable, Precast Structural Concrete is specified in Specification Section 034100 – Precast Structural Concrete.

Section 14 (ACI 301) – Precast Architectural Concrete

14.1.1 Delete this section of ACI 301. Where applicable, Precast Architectural Concrete is specified in Specification Section 034500 – Precast Architectural Concrete.

END OF FOREGOING PARAGRAPH 1.8 ENTITLED "SUPPLEMENTAL REQUIREMENTS AND MODIFICATIONS TO ACI 301-16".

1.9 COLD WEATHER CONCRETING

A. The provisions of ACI 306.1 shall be followed for all concrete placed or cured when the average daily temperature is below 40 °F. The methods of protection to be used for cold weather concrete, including preservation of moisture for curing of the concrete, shall be submitted in writing to the Architect/Engineer for review at least one week prior to cold weather placement.

B. Plan construction schedule and obtain needed materials and equipment on the job site in advance of cold weather.

C. All reinforcement, formwork and top 12 inches of the subgrade shall be clear of ice and snow and be not less than 40 °F at time of placement of concrete. The temperature of large embedded items, such as weld plate assemblies for structural steel framing, shall be no less than 35 °F at time of placement.

D. The concrete temperature as placed shall not be less than specified in column (2) of Table 3.2.1 in ACI 306.1, and shall not exceed these values by more than 20 °F. The temperature of the concrete being discharged shall be tested by the testing agency whenever cylinders are cast, and hourly by the Contractor. The Contractor shall maintain and submit same to the Architect/Engineer weekly.

E. Any covering, insulation or housing shall be extended to protect projecting reinforcement and embedded items.

F. The Contractor shall install and read maximum/minimum thermometers twice daily during the construction and curing of all structural slabs in cold weather. Provide one thermometer for each 3000 square feet of slab. Place the thermometers near slab perimeter. The Contractor shall submit those temperature readings to the Architect/Engineer weekly.

G. Concrete shall be exposed to ambient temperature in a gradual manner after being cured. Refer to ACI 306.1, Table 3.2.1.

1.10 HOT WEATHER CONCRETING

A. The provisions of ACI 305.1 shall be followed for all concrete placed when the ambient air temperature is greater than 80 °F. Note: Concrete protection during windy conditions combined with heat or low humidity shall also conform to ACI 305.1. The methods of protection used for hot weather concreting shall be submitted in writing to the Architect/Engineer for review at least one week prior to hot weather placement.

B. Plan construction schedule and obtain needed materials and equipment on the job site in advance of hot weather.

C. The Contractor and ready-mix supplier shall review concrete mixes for use in hot weather with respect to placing requirements, strength and durability.

D. Concrete temperatures as discharged from the truck shall not exceed 95 °F. Ice, if used, shall be considered part of the total mix water (50 lbs. ice = 6 gallons of water). (Retarders in low slump superplasticized mixes may be required to comply with this requirement.)

E. The temperature of the concrete being discharged shall be tested by the testing agency whenever cylinders are cast, and hourly by the Contractor. The Contractor shall maintain a written record of these temperatures and submit same to the Architect/Engineer weekly.

F. Cool and moisten formwork and subgrade by sprinkling with water prior to placing concrete.

G. Placement and Finishing:

1. Concrete shall be discharged from the truck a maximum of one hour after the introduction of mix water to cement and aggregates.
2. Do not add water to mix to increase slump. Use the approved superplasticizer to maintain a placeable concrete mix.
3. Strike off and screed slabs immediately. Protect slab's surface against moisture loss prior to final finishing.
4. Thoroughly vibrate through all wall and column lift lines and adjacent slab placements to prevent cold joints.
5. Immediately apply liquid curing compound as specified in Section 5 (ACI 301) after final finishing. Follow with continuous wet curing as specified in paragraphs 5.3.6.5(a), 5.3.6.5(b), 5.3.6.5(c) or 5.3.6.5(d) (ACI 301) for a minimum of three days.

PART 2 - PRODUCTS

2.1 PRODUCT REQUIREMENTS ARE INCLUDED IN ARTICLES 1.8 THROUGH 1.10 ABOVE.

PART 3 - EXECUTION

3.1 EXECUTION REQUIREMENTS ARE INCLUDED IN ARTICLES 1.8 THROUGH 1.10 ABOVE.

END OF SECTION

Bid Package 08 – Fit Out – Group 1 BIM TRADES Question and Response Log Respones As Of: 1/9/25 @ 8:00 AM Through RFI # 191				
#	Question	Responder	Response	Release
1	Will combination bids be acceptable for this project?	Walsh	Yes, combination bids will be acceptable. With Final addendum, Bid forms will be provided for the combincation bids that have been deemed acceptable. Firms will be required to bid each component of the combination in addition to the combination bid. It is anticipated combination bids will include a combination of HVAC Wet and HVAC Dry and a Combination of Plumbing and Medgas.	Released With BP8 Group 1
2	Is the Owner purchasing any of the HVAC equipment for this bid package?	Walsh	No, the owner is only purchasing equipment from the C&S packages already let.	Released With BP8 Group 1
3	We have compiled our product equivalent information for the Microperforated Acoustic Wood Panels in the UKY Cancer Treatment Center & Ambulatory Center for Ken's review. Please review as a substitution request.	Champlin	The substitution request is acceptable provided the system meets the basis of design levels for plank / panel sizes, reveal spacing, maintenance access, finish, NRC, etc. The proposed product indicates a NRC of 0.55, and the RWDI acoustic report notes that a 0.80 is required for public waiting areas and must be met. It appears this system requires additional measures to meet this requirement which must be included.	Released With BP8 Group 1
4	Drawing M601.1, detail numbers 2 and 3. Are Y-Strainers required for piping hook-ups?	CMTA	yes y-strainers are required	Released With BP8 Group 1
5	Specification 201300, paragraphs M and N, in Bid Package # 7 C&S were changed per the Walsh Group, Architect and Engineer. A new material matrix was supplied and approved. This allowed the use of Steel Pipe with Victaulic fittings 2-1/2" and above and copper pipe with solder or Pro Press fittings 2" and down. Can BP-8 also be changed to match this for consistency purposes.	CMTA	Yes, the VEs for piping can be applied to the fitout.	Released With BP8 Group 1
6	On the Trade Category 23A.8-HVAC Dry Fitout, Bid Breakdown Form, the Unit Price and Total Price do not match for Allowance # 6.	Walsh	The value is to be set at $100,000 (one hundred thousand). The Bid Breakdown form will be re-issued with corrections in a future addendum.	Released With BP8 Group 1
7	Under Trade Category 23B.8 HVAC Wet Fit Out Scope Clarifications-Scope Specific: 20. This subcontractor shall furnish and install all Heating and Cooling Unit Covers and associated miscellaneous materials (complete) as shown on the Contract Documents and in accordance with project plan and specification. The specification for this is: SECTION 055819 - HEATING/COOLING UNIT COVERS This is an Architectural Misc. Metals item and is something the HVAC contractors do not furnish unless it is part of the equipment. We would have no expertise in furnishing these types of enclosures. This should not be part of the HVAC-Wet Side Package. We would recommend making this part of an Architectural Metals package.	Walsh	Specification 055819 refers to fin tube covers. Fin tube covers were previously bid with the TC08E7 Exterior Glazing trade category as part of the Core and Shell.	Released With BP8 Group 1
8	Page MG108.A1 (Medical Gas Plans Level 08 – Area A) Tagged Notes - P68 & P69, Refers to Medical Vacuum Pump & Medical Air Compressor in previous bid package. Per Addendum #4 Bid Package 07 #78 – All Medical Gas System will be part of the Fit-Out Package	Walsh	The entire medical gas package is to be part of Fit Out trade category with no medical gas scope previously purchased.	Released With BP8 Group 1
9	The Electric Humidifiers for BP-8 are shown to be by TC 23A.8 Dry-Fit Out. This is typically an item the piping/Wet contractor would provide. We would recommend having TCA 23B.8 furnish humidifiers, set generators on wall, run piping. Show TC23A.8 install of distribution grids in duct (labor only).	Walsh	Recommendation accepted. Walsh will issue bid documents that correct the scopes of work accordingly.	Released With BP8 Group 1
10	Please see the attached substitution request forms for the CTC for Summit Lockers to be considered acceptable.	Champlin	The Summit Lockers Substitution request is acceptable and meets the specifications for the different types required. Laminate colors must match the color listed in the MAT-ID. Summit will be added to the list of approved manufacturers in each affected specification section. Note: This request was submitted under the Vault Radiation Shielding RFP for Phenolic (LKR-6) which is the only locker in Vault Radiation RFP. It closed 12/5/24. Given we have six different lockers and three different spec sections we will add Summit as an approved manufacturer to all locker specs. BP08 Fitout is the biggest locker scope (Group 2). Summit's closest Laminate color is NOT acceptable to the design architect. That is why we added, Laminate colors must match the color listed in the MAT-ID in our review response.	Released With BP8 Group 1

Bid Package 08 - Fit Out - Group 1 BIM TRADES Question and Response Log Respones As Of: 1/9/25 @ 8:00 AM Through RFI # 191				
11	TC23B.8 On drawing M200.B1, Room B2002B, there appears to be an untagged Fan Coil Unit.	CMTA	the un-tagged fan coil is a HFCU-24 serving "IDF-L-1 - CSB00B"	Released With BP8 Group 1
12	Can the use of mechanical joints be above cieling or does that fall under note #4: (4) Piping installed in concealed locations shall not have mechanical joints	CMTA	Mechanical joints are acceptable above accessible ceilings. Mechanical joints shall not be used above non-accessible ceilings.	Released With BP8 Group 1
13	The Bid Break Down Form shows this bid package 23B.8 Wet Fit Out, providing Hot Water Reheat Coils. This should be clarified as to be furnished and piped only. Installation into the ductwork would be by Bid Package 23A.8. Dry Fit Out.	Walsh	Recommendation accepted. Walsh will issue bid documents that correct the scopes of work accordingly.	Released With BP8 Group 1
14	Which Subproject will the Window Film bid for the CTC AAC project fall under? We are trying to make sure our window film is included in the correct subproject since there are so many for this big project.	Walsh	Window film will be part of the Interior Glazing package which will be a 'Group 2' trade. Group 2 will be issued for bid in early 2025. Film as required on exterior glass will have been included with the previously let exterior glazing pacakge with Bid Package 07.	Released With BP8 Group 1
15	TC23B.8 On Drawings M204.A1, M204.B1 Should tagged note HF229, read include in “Base Bid”, not include in “Alternate #1 and Base Bid”?	CMTA	Walsh agrees this note should read to include in "Base Bid".	Released With BP8 Group 1
16	Good morning, do you have a budget for TC-09A.8 and TC-09G.8?	Walsh	Budgets will not be shared with the marketplace prior to bidding.	Released With BP8 Group 1
17	Please see the attached substitution request for the project referenced above. JM Corbond IV Closed-Cell SPF uses an HFO blowing agent and is GREENGUARD & GREENGUARD Gold certified. Feel free to reach out if you have any questions.	Champlin	Substitution Request approved.	Released With BP8 Group 1
18	If combination bids are submitted, will each bid require a bid bond?	Walsh / UK	If a subcontractor submits a combination bid, the submitting firm may submit a single bid bond for the greatest possible combination of values. Copies of the bid bond should be included with each individual bid.	Released With BP8 Group 1
19	What drywall scope is the modular exam room subcontractor providing?	Walsh	Modular exam room scope will provide drywall interior to the exam room only. The 'exterior' wall of the pod facing the corridors is to be drywalled by the drywall subcontractor TC09A8.	Released With BP8 Group 1
20	Will modular exam room provide all of their own materials?	Walsh	Fit Out trades are to provide the following to the Modular Exam Room subcontractor: Electrical - Lights, Power packs, and low voltage wall switches to be provided to Modular sub. Casework subcontractor to provide casework. DFH subcontractor to provide door frames.	Released With BP8 Group 1
21	How will testing of plumbing of modular exam rooms occur?	Walsh	Modular exam room subcontractors will be responsible for testing their plumbing in factory prior to delivery to site. If the plumbing subcontractor requires the Ptrap on the exam room sinks to be left off for testing of the entire system, then modular sub will comply but plumber (TC22A8) shall include installation of the PTrap. If the Ptrap can be left in place this will be installed by the modular sub.	Released With BP8 Group 1
22	Is modular subcontractor providing their own wall protection?	Walsh	No, modular subcontractor is not provididing wall protection. This is to be provided by appropriate BP8 subcontractor.	Released With BP8 Group 1
23	What will subcontractor provide for low voltage systems?	Walsh	Modular sub will provide pathways, pullstring, and back boxes in wall and connected to a box at the corridor side for continuing to the cable tray. Modular sub will not pull or terminate teledata cabling.	Released With BP8 Group 1
24	Linac 2 appears to encroach on the required clearance of the cabinet adjacent. Please clarify if this is acceptable.	Champlin/Walsh Consulting	If this is inquiring about the Modulator Cabinet in the SW corner, we have reached out to the vendor and received email confirmation that this equipment will not interfere when located as shown, and will not be an issue when pulled away from the plan south wall for maintenance as this will be on a temporary basis.	Released With BP8 Group 1
25	Confirm wall partition thicknesses has been coordinated with in wall devices and equipment	Champlin	This was evaluated by the design team to coordinate partition depth with wall boxes & other devices, pipes, conduits, etc. Coordination by each contractor both across and within the various trades is still required to avoid field conflicts.	Released With BP8 Group 1
26	What firm is responsible for fire caulking joints between masonry and gypsum wall assemblies?	Walsh	Drywaller shall be responsible for fire caulk between gyp and masonry assemblies.	Released With BP8 Group 1
27	Is intent that TC09A8 be responsible for all supply and delivery of all wall protection or install only?	Walsh	Intent is for TC09A8 to furnish and install the 102600 wall protection.	Released With BP8 Group 1
28	is TC09A8 intended to be responsible for supply and install of all resilient sheet vinyl wallcovering	Walsh	No, the RS VWC 097216.16 is not to be included in TC09A8. This scope will be bid in Bid Package 8 Group 2.	Released With BP8 Group 1
29	is TC09A8 intended to be responsible for supply and install of all solid surface wall protection?	Walsh	No, solid surface counter tops, backsplashes, and wall protection will be completed by the Millworker and bid with group 2.	Released With BP8 Group 1

Bid Package 08 - Fit Out - Group 1 BIM TRADES				
Question and Response Log				
Respones As Of: 1/9/25 @ 8:00 AM				
Through RFI # 191				
30	The project has several wood, or wood look, materials on the project. Will the design team provide a prime wood sample that all wood trades are going to match against? Or will a priority be provided of which trade wood color / species is the prime for others to match?	Champlin / HGA	PLAM-1 & PLAM-2 on the Mat-ID sheet A014 are the primary finishes that other trades should match species, color, and grain.	Released With BP8 Group 1
31	What is the primary species and color for the project wood grains?	Champlin / HGA	This information is listed on the Mat-ID sheet A015 for WD-1 & WD-2, which are intended to match PLAM-1 & PLAM-2 respectively. Veneer cut information is listed on Mat-ID description.	Released With BP8 Group 1
32	WD FAB 1, 2, and 4 appear to have specific installation requirements and attachment details for that material. Are their details for the system and requirements for framing or backing of the system? 7/A814.1 shows the slats fastening into drywall without framing back up. 9/A848.1 implies plywood backing. 11/A848.2 shows a horizontal stud providing support for WD FAB-2. How frequently will this system require fastening along the vertical length?	Champlin / HGA	Detail 11/A812.2 identifies metal strapping at 24" o.c. as the typical backer requirement for WD-FAB-1, 2, & 4. Details 7/A814.1, 8/A848.1, & 11/A848.2 have been updated to remove the plywood in between the studs & note the typical strapping. General Note 16 added to sheet A800.	Released With BP8 Group 1
33	11/A848.2 calls for wood blocking behind the terrazzo base, what is the finish on the top surface of the wood blocking as this will be exposed where the slats are not present.	Champlin / HGA	This detail has been updated to add MET TRIM-7b to hide the blocking. MET TRIM-7a has been added to other terrazzo base details 2/A847, & 8/A848.1. The Wood blocking and Met Trim 7a shown in 11/A848.2 is excluded from Group 1 trades.	Released With BP8 Group 1
34	There are no specifications issued for the misc metal and steel work for the project. Please provide	Champlin	See revised specification: SECTION 092216 - NON-STRUCTUURAL METAL FRAMING	Released With BP8 Group 1
35	The list of OFCI items is extensive and the documentation of the items, their locations, and the quantities are in thousand plus page documents. Can a document be provided to supply quantities of OFCI and CFCI items for bidding purposes?	Walsh	A list of medical equipment types, quantities, and responsibility as planned by the medical equipment planner will be released via addendum.	Released With BP8 Group 1
36	Would misc metal subs have the (CWKA-1 and CWKA-3) brackets for base counters on sheet A843?	Walsh	Millworker will be responsible for furnish and install for these items. This will be bid with Group 2.	Released With BP8 Group 1
37	misc metal subs would not have any brackets shown on sheets A844 and A845, Millwork supplier would have these, correct?	Walsh	Millworker will be responsible for furnish and install for these items. This will be bid with Group 2.	Released With BP8 Group 1
38	On sheet A013, Countertop brackets are called out as 064116 spec. section. Are misc metal subs to include any of these?	Walsh	Millworker will be responsible for furnish and install for these items. This will be bid with Group 2.	Released With BP8 Group 1
39	Sheet A721, (7/A721) The stl tube header/post is not misc metal sub's to pick up,correct?	Walsh	CH Response: Details 7 & 15/A721 have been revised to show metal stud box header via delegated design per metal stud framing spec section 092216	Released With BP8 Group 1
40	There are no structural drawings to refer to other than sheet S801.	THP	S801 is the only structural drawings in BP-08 Fitout. All other structural drawings were issued as part of BP-07 Core & Shell	Released With BP8 Group 1
41	Sheet A834, (2/A834) Patient Lift Support System is together with th IV Track/curtain? See attached sketch.	Walsh	Walsh's view is that the patient lift and the IV/Curtain Track are separate systems and this detail is explaining the spacing below ceiling required for function of the patient lifts. TC09A8 Carpentry to owe support of the IV/Curtain track and furnish install of those systems. TC05B8 would provide above ceiling supports for the patient lift systems.	Released With BP8 Group 1
42	All the information on this sketch says to refer to manufacturers documents, we don't have anything on that?	Walsh	Architectural drawings and Medical Equipment drawings call out locations for various equipment. Medical equipment drawings reference specific equipment ID numbers. Addendum 1 issued a room by room document with each piece of medical equipment with key physical properties and links for the equipment cut sheets.	Released With BP8 Group 1
43	Please provide clarification of the temporary filters for temporary conditioning requirements. How many months? Which equipment?	Walsh	Subcontractors are to provide filters as needed to maintain clean ductwork during the course of the project per spec and per LEED requirements. Failure to maintain dust free ductwork will require ductwork cleaning at subcontractors expense.	Released With BP8 Group 1
44	Who provides the heating coils? TC 23A.8 Dry side or Wet side? Do they come with the air valves?	Walsh	Re: heating Coils. Per RFI #13 these will be furnished and piped by Wet side, installed by dry side. Air terminal units are called out as part of the Dry Side. Venturi air valves per schedule in documents to be furnish only by Controls subcontractor	Released With BP8 Group 1
45	Please clarify the duct construction of the lab exhaust duct. Spec section 231200 6. A.1. states duct with be PVC coated galvanized duct, but paragraph 7. C. (3) appears to indicate welded SS. Which is prefered?	CMTA	The intent is for lab exhaust to be PVC coated galvanized duct, but the project will allow either.	Released With BP8 Group 1
46	Test & balance specification 203100 is included in the documents however, under the HVAC trade specific scopes final test & balance of mechanical systems will be by others. Is test and balance part of this bid? If not, will a separate TAB package bid at a later date?	CMTA	Yes, TAB to be included in the mechanical fit out contracts. This will be corrected in the Scope of work Documents. TAB to be carried by the applicable Mechanical trades (air balancing with Dry and water balancing with Wet).	Released With BP8 Group 1
47	A liquid nitrogen (LN2) subcontractor submitted the following questions regarding the liquid nitrogen system, which is part of Bid Package TC 22B.8-Medical Gas:	CMTA	see response below	Released With BP8 Group 1
48	Is there any plan for future expansion of the system? If not, it would be inefficient/costly to go with 3" piping. If there are plans for future expansion, should there be any capped bayonets? If so, where?	CMTA	there are no plans for future expansion.	Released With BP8 Group 1
49	It appears that the LN2 system is to feed 10 Cryo-storage freezers on the 5th floor and 4 Controlled Rate Freezers. Where are the Controlled Rate Freezers located?	CMTA	controlled rate freezers are located in Processing room B505A; LN2 supplies will be shown in next addendum.	Released With BP8 Group 1
50	What is the anticipated Bulk Tank pressure going to be ran at?	CMTA	35 psi	Released With BP8 Group 1
51	I don't see anything about gas traps, gas vents, or other cryo components. Is it up to the LN2 subcontractor to determine if/where these items are required?	CMTA	additional relief vents and connection details will be shown in final addendum.	Released With BP8 Group 1
52	Are the N2 vent lines to be vacuum jacketed as well? Or will those be insulated copper?	CMTA	yes the N2 vents are to be vacuum jacket	Released With BP8 Group 1
53	None of the glazing systems appear to fall under spec 084418. Please confirm this is correct.	Champlin / HGA	CW-3 is not used in the project. This spec section should be omitted.	Released With BP8 Group 1
54	None of the glazing systems appear to fall under spec 085100. Please confirm this is correct.	Champlin / HGA	SVW-1 can be found on L2 in room Sat Pharm B207F. Tag was added accordingly on the floor plan. This will be picked up by Interior Glazing sub bidding in group 2.	Released With BP8 Group 1
55	Spec section 097216.16 calls out only a single acceptable manufacturer for the RS-WVC's. What are alternative manufacturers or products that can be bid for this spec section?	Champlin / HGA	This question does not apply to Group 1 trades. RS-WVCs are not in scope for any Group 1 trades.	Released With BP8 Group 1

Bid Package 08 - Fit Out - Group 1 BIM TRADES Question and Response Log Respones As Of: 1/9/25 @ 8:00 AM Through RFI # 191				
56	Is the 'film' as noted in the WD FAB-1,2, 4 integral with the WD FAB or is this a wall covering separate from the alumnimum wood look slats? What Spec section covers the wall covering 'film'? Is there information on the custom gradient available?	Champlin / HGA	The custom film is to be provided by the manufacturer along with the WD FAB items. WD-FAB to be bid with Group 2.	Released With BP8 Group 1
57	Spec 097773 calls out only a single acceptable manfucturer for multiple of the WD FAB products. Can an alternative manufacturer be submitted?	Champlin / HGA	Submit an official substitution request and provide product data for comparison with the basis of design product.	Released With BP8 Group 1
58	Spec 098316 calls out a single acceptable manufacturer for the acoustical plaster ceilings. Can any plaster ceiling that meets the acoustic performance criteria be substituted?	Champlin / HGA	Yes. Substituted product must meet all of the performance criteria, including but not limited to: acoustics, flame spread, light reflectance, and VOC / LEED	Released With BP8 Group 1
59	1.Please clarify that the security subcontractor is to use the card reader that is integrated into the lockset that is being provided by the door hardware contractor, where applicable according to the 087100 hardware sets, and the security subcontractor is not to provide a card reader for these openings as indicated on the ESS drawings.	CMTA	If the 087100 hardware set includes integrated card reader, the security contrator will not provide a wall or mullion mounted reader but will provide all cabling needed to connect the lock set to the security controller.	Released With BP8 Group 1
60	2.Please confirm that the security contractor is to provide all conduit, pathway, and line voltage included in TC 28A.8.	Walsh	Confirmed. Security is to provide their own conduit, pathways, and line voltage.	Released With BP8 Group 1
61	3.Please clarify the type of panic buttons that are to be used by the security contractor. i.e. Desk or wall mounted?	CMTA	Panic Buttons should be under desk or counter unless symbol is shown on a wall.	Released With BP8 Group 1
62	Can you please clarify what type of glazing should be provided for glazing type GL-63T?	Champlin / HGA	For all locations which call for GL-63 or GL-63T, provide glass type GL-62. GL-62 is 5/16" laminated fire rated glazing: Pilkington Firelite Plus.	Released With BP8 Group 1
63	This glazing type is listed on the core and shell door schedule as being used in several door lites, but it is not defined in the glazing specs or in the material identification code pages of the architectural plans.	Champlin / HGA	As noted in the previous question, all GL-63 glass should be GL-62. The specs for GL-62 are as follows:(GL-62) Laminated Ceramic Glazing: Proprietary product in the form of two lites of clear ceramic glazing material laminated together to produce a laminated lite of 5/16-inch (8-mm) nominal thickness; polished on both surfaces; weighing 4 lb/sq. ft. (19.5 kg/sq. m); and as follows: 1. Fire-Protection Rating: As indicated for the assembly in which the glazing material is installed, and permanently labeled by a testing and inspecting agency acceptable to authorities having jurisdiction. 2. Polished on both surfaces, transparent. 3. Product: Subject to compliance with requirements, provide "FireLite Plus" manufactured by Nippon Electric Glass Co., Ltd. and distributed by Technical Glass Products. 4. Other Acceptable Manufacturer: Vetrotech Saint-Gobain.	Released With BP8 Group 1
64	There are two other glazing types that are listed on the door schedule pages as being used for door lites that I do not see in the glazing specs or material identification code pages: GL-1T and GL-20T. Should these be provided as GL-1 and GL-20?	Champlin / HGA	These glass types should be Gl-1 and G-20 as noted.	Released With BP8 Group 1
67	I'd like to submit a substitution request for the Structural Glass Railing for the UK Cancer treatment center project. RIW Ornamental Metal, Inc. would like to be listed as one of the approved manufacturers for section 057313- Glazed Decorative Metal Railings. The current basis of design is CR Laurence Co, we manufacture and install the same type of railing and are 100% MWBE for both fabrication and installation. Attached please find the filled out substitution request form, photos of our work, product specs, data, and test reports. Please let me know if you need any more information. Thank you for your help processing this request.	Champlin / HGA	The substitution request has been reviewed and marked Approved as noted.	Released With BP8 Group 1
68	For Bid Package 23B.8 HVAC Wet Side, Specification 201300-11, Paragraph R, states Condensate Drain shall be: (1) Type "DWV" copper, wrought copper, lead free solder. DWV Copper fittings are not available in larger sizes, the fittings that are available are very costly. May we substitute Hub-less Cast-Iron, with XH bands for sizes 3"-6" for the Condensate Drain System.	CMTA	for condensate piping sizes 3"-6", epoxy coated no-hub DWV cast iron (DuRa Pipe, NewAge, or similar) with heavy duty bands may be used in lieu of copper	Released With BP8 Group 1
69	What trade category is to carry the sound cap?	Walsh	The EPJT's are to be carried by TC09A8.	Released With BP8 Group 1
70	PNLG-1 appears to be the same product as the WD-CLG-1. What trade category is to pick this up?	Walsh	PNLG-1 is to be picked up by the TC09G8 Ceilings trade category.	Released With BP8 Group 1
71	1. In the Core & Shell bid package (BP07) there was an allowance to add a large quantity of sleeves in the plumbing/mechanical/electrical trade categories. Should we assume all floor sleeves are accounted for in BP07 and we do not need to include them in BP08?	Walsh	C&S Mechanical and Plumbing subcontractor to furnish and install all Div 22/23 sleeves based on quantity provided during that Bid. Quantities in excess of the C&S bid will be resolved at a future date. Div 22 and 23 subs should not include any sleeves. Additional scope for hours associated with coring will be added in each Ex B.2 to account for owner driven sleeve changes. The electrical C&S trade included 40 poke throughs/floor boxes per floor. Of those: •80% are 6" boxes •10% are 8" boxes •10% are 10" boxes quantities above this are the responsibility of the fit out electrical contractor.	Released With BP8 Group 1

Bid Package 08 - Fit Out - Group 1 BIM TRADES Question and Response Log Respones As Of: 1/9/25 @ 8:00 AM Through RFI # 191				
72	2. There are no schedules/specs for the Medical Air Compressor (MAC-1) or Vacuum Pump (VAC-1) in the medical gas documents. Are these pieces of equipment to be included in the Fit-Out package? Or will they be purchased separately by the owner? They were removed from the Core & Shell package by addendum, but they are still indicated on BP08 drawings to be with C&S. Also, the vacuum exhaust piping and air intake piping for these pieces of equipment are indicated on BP08 drawings as if they were included with C&S pricing, which they were not. Should MAC-1, VAC-1, and all associated piping be included in the Fit-Out pricing? If so, please provide equipment schedules for these items.	Walsh	MAC-1 and VAC-1 with all associated piping are to be included with the BP8 Fit Out Medical Gas Subcontractor TC22B8. Schedule for this equipment will be issued via addendum.	Released With BP8 Group 1
73	3. On drawing MG280.1, key note MG10 indicates hose reels in a handful of locations. Are these owner furnished or to be furnished by the medical gas contractor? If by med gas contractor, please provide a basis of design/spec for what is required.	CMTA	To be provided by Med gas contractor; basis of design will be provided in next addendum.	Released With BP8 Group 1
74	4. On drawing MG010.1, on the "Medical Gas Outlet/Valve Box Schedule" items labeled MG-23, MG-24, & MG-25 say "Outlets Provided With Headwall", however in the Remarks section below the schedule, note 2 says, "Provide and install outlets in headwall system." Please confirm that any owner furnished headwall systems will include associated med gas outlets. We assume final connection to headwall system will be at the top of the wall, connecting to headwall manifold.	CMTA	Yes, any owner supplied headwalls will include outlets and internal piping; connections will be made by the contractor to the medical gas piping at top of the headwalls. Some of the head walls have multiple connection points (ie 2 vacuum connection point, etc.) Refer to medical equipment drawings for more information.	Released With BP8 Group 1
75	5. Per spec section 00 24 13.03 we are to include costs associated with the pre-apprentice program. The subcontractors list includes "Mechanical" and "Plumbing". Since mechanical and plumbing is broken up into four separate Trade Categories (HVAC Wet, HVAC Dry, Plumbing, Med Gas) which trade categories need to include these costs associated with the pre-apprentice program?	Walsh	HVAC Wet, HVAC Dry, and Plumbing should each carry cost for 1 Preapprentice.	Released With BP8 Group 1
76	6. Can the bid date be extended one week to Thursday January 23rd?	Walsh	UK has several large projects bidding in subsequent weeks. The intent is not to move the bid date.	Released With BP8 Group 1
77	1.In addendum #2, RFI Log question #1 is about combination bids being acceptable. •The response stated that it was anticipated combination bids of HVAC Wet and Dry and a combination of Plumbing and Medical-Gas would be acceptable. •For greater efficiencies we would like the owner to allow a single combination bid for all these trades as UK has on their other projects. •The paperwork and associated time constraints that are required for multiple bids of this magnitude would be very difficult and would suggest to have the due date for breakdowns to be on a 48 hour time frame after bids are submitted.	Walsh	A complete combination bid will be allowed and forms provided. Bid Breakdown forms with unit rates and the labor rate sheet will be required at time of bid. In event of discrepency between the bid breakdown form and the Bid form written value will govern.	Released With BP8 Group 1
78	please, confirm if healthcare MC cable is acceptable, where allowed by code? Are there locations such as the I2 occupancy that it couldn't be utilized?	AEI	Refer to Specification Section 26 0519 Low-Voltage Electrical Power Conductors and Cables, Addendum #2 for Healthcare MC specifications indicate type/usage/location allowed for HealthCare MC cable."	Released With BP8 Group 1
79	There are (2) Alternates on this project. The specifications and drawing notes, indicate that these alternates are additions to the Base Bid. The bid form and bid breakdown form appear to indicate these alternates as deductions. Please clarify.	Walsh	The specifications are correct. The two alternates are ADD alternates. These will be corrected on Bid forms and bid breakdown forms.	Released With BP8 Group 1
80	Which Trade Category is responsible for concrete housekeeping pads for plumbing/med gas/mechanical equipment?	Walsh	Concrete housekeeping pads will be completed by the structural concrete subcontractor previously under contract.	Released With BP8 Group 1
81	On drawing MG 102.A1, most of the Instrument Air (IA) piping in the CSP area is not sized and there are no notes where drops are shown at equipment. However, when looking at the plumbing drawings (P102.A1 & associated enlarged plans) the IA mains are grayed out, but the branches are dark line type, sized, and have associated notes. Being that 'Medical Gas' and 'Plumbing' are two separate Trade Categories, can you please clarify the scope of work related to Instrument Air (IA) between the two TC's?	CMTA	IA part of Medical gas scope; refer to enlarged CSP plumbing plan issued with addendum 3 for equipment connection requirements.	Released With BP8 Group 1
82	Is the Talk-a-Phone on sheet T-001A to be included in Division 27 or 28's scope, or is it provided by others? If it is to be included by Div 27 or 28, please provide the part number or specification for the Talk-a-Phone	Walsh/UK	Talk-a-phones are to be OFCI attached to the TC28A8 trade category.	Released With BP8 Group 1
83	General Note G. on Sheet T-001A calls out providing 6 strand single mode indoor/outdoor fiber and coordinate with light pole contractor. I cannot find any other reference to this fibers origin or destination. Can more detail about this fiber be provided?	CMTA	The intent was for this 6 strand fiber to be terminated in room CSA00A/IDF L-2	Released With BP8 Group 1
84	For S96 conduit work, is this to be provided and installed by electrical?	Walsh	Electrical TC26A8 is responsible for the cable trays and pathways inclusive of note S96.	Released With BP8 Group 1
85	For S95 conduit and junction box, is this to be provided and installed by electrical?	Walsh	Electrical TC26A8 is responsible for the cable trays and pathways and in wall boxes inclusive of note S95.	Released With BP8 Group 1
86	For cable runs that are over 285', which media converter should be used?	CMTA	Media Converters shall be used for exterior devices. Owner shall provide this equipment.	Released With BP8 Group 1
87	Can we use 2 strand fiber for the cable runs that are over length? If so, which catalog # should be used?	CMTA	This will need to be coordinaed with owner. Fiber cable typically do not have less than 6 strands.	Released With BP8 Group 1
88	Please clarify who is responsible for providing and installing the top level of cable tray in the IDF and EIDF rooms, the electrical contractor, or the Division 27 contractor?	Walsh	Cable tray that is shown on the T100 series plans is to be by the Electrical TC26A8 contract. Cable tray in the IDF and EIDF rooms that are not shown on the T100 Series but are shown or noted on the T200 series is to be by TC27A8.	Released With BP8 Group 1
89	Please clarify who is responsible for grounding the cable trays.	Walsh	Electrical TC26A8 is responsible for the cable trays inclusive of grounding.	Released With BP8 Group 1
90	Sheet T-101C Tagged Note S88 Assuming this conduit is for backbone cabling, could you please provide a "T" series drawing for Level 01 Area F? We can't see the area F side.	CMTA	IDF locations are not shown in Area F. Contractor shall provide 1000' of fiber optic cable as called out in contract documents and any necessary equipment needed for a completed permanent link connection. Final location and coordination will need to be done with UKIT systems department.	Released With BP8 Group 1
91	Sheet T-200 Note S76: Who is responsible for providng and installing plywood in the IDF's?	Walsh	Plywood in the IDFs is the responsibilty of the Core and Shell Framing contractor TC09A7.	Released With BP8 Group 1

Bid Package 08 - Fit Out - Group 1 BIM TRADES Question and Response Log Respones As Of: 1/9/25 @ 8:00 AM Through RFI # 191				
92	Who is responsible for providing and installing the grounding busbars in the IDFs?	Walsh	Grounding and Bonding systems are to be completed by TC26A8 Electrical including the grounding busbars in the IDFs.	Released With BP8 Group 1
93	Who is responsible for bonding conductors to building steel?	Walsh	Grounding and Bonding systems are to be completed by TC26A8 Electrical.	Released With BP8 Group 1
94	Please clarify who is responsible for providng and installing AV system devices?	Walsh	Pathways and back boxes by electrical subcontractor. Other scope including cabling, devices, and programming by owner.	Released With BP8 Group 1
95	Please clarify who is responsible for providing and install Nurse Call system devices?	Walsh	NURSE CALL is removed from scope for BP8 Fit Out Group 1 trades. This will be bid with rough in, cabling, and install at a future bid opportunity with additional information from the nurse call vendor and owner.	Released With BP8 Group 1
96	Please clarify who is responsible for providing and installing RTLS system devices?	Walsh	Pathways and boxes by electrical. Devices and programming furnished by owner. Cabling and install by TC27A8.	Released With BP8 Group 1
97	Are security camera data cables to be included in the Division 27 pricing, or the Division 28 pricing?	Walsh	All security scope including conduit and cable to be carried with TC28A8 Security as called out in the Scope of work Ex B.2 documents.	Released With BP8 Group 1
98	Please provide cabling diagrams and risers for the Nurse Call and RTLS systems.	Walsh	RTLS System riser and cabling diagram is not available at this time to provide to subcontractors.	Released With BP8 Group 1
99	Division 27 bid form has lines for several systems to be provided that are not on the drawings. Please clarify if these sysetms are to be provided, and if they are, please provide some details as to what exactly is to be included: Line 007 Paging System, line 008 Central Clock System, and line 009, Intercom.	Walsh	Where subcontractors have identified no scope they may enter $0 on bid breakdown forms.	Released With BP8 Group 1
100	Can Aluratone products be counted as an acceptable subsitution for wood look ceilings?	Champlin	The substitution request is acceptable provided the system meets the basis of design levels for plank / panel sizes, reveal spacing, maintenance access, finish, NRC, etc. The proposed product indicates a NRC of 0.55, and the RWDI acoustic report notes that a 0.80 is required for public waiting areas and must be met. It appears this system requires additional measures to meet this requirement which must be included.	Released With BP8 Group 1
101	Sound masking is referenced on the documents. Who is responsible for what to provide this system?	Walsh/UK	The particulars of the sound masking system has not been designed fully. As such, the sound masking will be bid at a future date as a complete turn key system inclusive of raceways, cabling, devices, and head end systems.	Released With BP8 Group 1
102	RF Shielding - Page 314, number 12. Not seeing any design for magnetic shielding, should this be an allowance or excluded?	Walsh	Magnetic shielding is a component of the delegated design of the RF shield. Given that the magentic shield has not been defined by the magnet vendors an allowance is being established for 2,000 pounds of magenetic shielding material per magnet or 8,000 pounds for the project. This would equate to the back wall(wall opposite the control room) and a toe plate, all at a thickness of ¼" of M36 silicon steel. If the shielding designs deviate from this assumed value the cost of the magnetic shield will be adjusted pro rata. This allowance is to be included in the base bid.	Released With BP8 Group 1
103	RF Shielding - Page 314, number 12. Shield to be copper. Are RF shields required to be copper?	Walsh	Yes. Shields are required to be copper per spec.	Released With BP8 Group 1
104	RF Shielding - Page 313, number 13, control room window to be glass and not plexi glass	Walsh	Yes. RF windows are to be glass and not plexi.	Released With BP8 Group 1
105	RF Shielding - Page 314, number 16, what is the STC rating on the door?	Walsh	STC Rating on the door is noted on the G200 Acoustic Plans.	Released With BP8 Group 1
106	RF Shielding - Page 313, number 17, key pad is required?	Walsh	Subcontractor to comply with the door hardware specifications for the RF shield door. However, the door hardware shall maintain the shielding effectiveness with the door and locksets installed.	Released With BP8 Group 1
107	RF Shielding - Page 316, number 45, does the IV waveguide need to be in the door jamb?	Walsh	Yes. IV Waveguide is required to be in the door frames per Door schedules.	Released With BP8 Group 1
108	As part of the C&S bid the Level 4 electrical branch panels were removed from the C&S electrical scope. Please confirm if these panels should be installed in base bid or the alternate	Walsh	As part of the Alternate scope the level 4 branch panels will be provided to the Fit Out Electrian for installation.	Released With BP8 Group 1
109	Project schedule seems to show not enough time to do BIM coordination of the interior fit out before decks are poured. How is this process going to work.	Walsh	BIM Coordination is ongoing for the project with C&S trades and those trades are utilizing the current fit out documents for coordination. There is a potential of the C&S MEP contractors completing the BIM modeling and coordination of lower levels on behalf of the interior fit out trades to allow for coordinated install of sleeves for the project. A unit cost is provided on bid form and language in the scope of work exhibits to allow for adjustment on a floor by floor basis as needed.	Released With BP8 Group 1
110	Confirm spec section 055813 Interior Column Covers are to be provided by the 09A.8 Contractor (DEC MET-3,4,5 on A013)	Walsh	Confirmed. Per Scope Item 63 in Ex B.2.	Released with BP8.1 Drywall Rebid
111	Confirm spec section 057500 Decorative Formed Metal are NOT to be provided by the 09A.8 Contractor (DEC MET-1,2 on A013)	Walsh	Confirmed. These items are not in scope for TC09A8.	Released with BP8.1 Drywall Rebid
112	Confirm that Exam Room walls within the crossed areas on floor plans are a part of this scope of work. These walls consist of wall types P and V on the partitions page which reference STC design by Prefab supplier.	Walsh	Hatching (like on A213A) denotes the modular scope and the walls in these areas are by the Modular Exam Room Subcontractor. There are locations where partitions are by TC09A8 that directly abut the prefab scope. Refer to the B2a partitions in room A303 as an example. Parition Types P and V are by the Modular exam room subcontractor. Interior to the modular exam rooms, TC09A8 does owe the 102600 Wall protection. 'Outside' or corridor wall drywall of the modular exam rooms are to be by TC09A8.	Released with BP8.1 Drywall Rebid

Bid Package 08 – Fit Out – Group 1 BIM TRADES				
Question and Response Log				
Respones As Of: 1/9/25 @ 8:00 AM				
Through RFI # 191				
113	Confirm 078123 Insumescent Fire Protection to be provided by TC 07D.7. No scope to fall within TC 09A.8.	Walsh	Confirmed. Intumescent is not to be provided by this trade.	Released with BP8.1 Drywall Rebid
114	Joint Firestopping. Per project specifications a 3rd Party Installation is only required for spec section 07 84 13 Penetration Firestopping. Please confirm if this is required for 07 84 43 Joint Firestopping as well.	Walsh	Specification 078443 does not reference a 3rd Party requirement. Installers shall comply with 078443-1.6	Released with BP8.1 Drywall Rebid
115	Please confirm that Firestopping of MEP penetrations is by respective trades and not includes in TC 09A.8 package.	Walsh	Confirmed.	Released with BP8.1 Drywall Rebid
116	Please confirm if 10 51 13 Metal Lockers, 10 51 23 Plastic-Laminate-Clad Lockers, and 10 51 29 Phenolic Lockers are to be furnished and Install by TC 09A.8. Scope of work is unclear as the spec sections do not occur in our package but scope item #114 suggest otherwise.	Walsh	TC09A8 shall not furnish or install lockers for 105113, 105123, or 105129. TC09A8 to provide backing only.	Released with BP8.1 Drywall Rebid
117	Please confirm if 09A.8 is only responsible for installation of door frames. Furnishing of frames/doors/hardware by others. Also, installation of doors/hardware to be by others	Walsh	Confirmed. 09A8 is to install door frames provided by others. Doors and hardware to be installed by others. Temporary protection of door frames is to be by others.	Released with BP8.1 Drywall Rebid
118	Please confirm if 09A.8 is to provide installation for all OF/CI and OF/CI/VI items	Walsh	OF/CI items are by TC09A8. OF/CI/VI items are primarily VI items that have MEPT connections and are not the responsibility of TC09A8. For CFCI Items exclude Temperature monitoring items (MOTE-129) from the Medical equipment CFCI list. Modular Exam room subcontractors will install OFCI inside the rooms.	Released with BP8.1 Drywall Rebid
119	Please confirm Owner Furnished items can be delivered on an "as needed" basis. No storage to be provided by the 09A.8 contractor for CI items.	Walsh	09A8 shall not be responsible for storage of Owner Furnished items.	Released with BP8.1 Drywall Rebid
120	With a large number of long quote lead time items, will a bid extension be considered?	Walsh	No. This bid package is tied to award and release of critical path items.	Released with BP8.1 Drywall Rebid
121	Reference Interior Elevation Detail 18/A693 as an example. There are many objects that are greyscaled with out material identification tags (Typical Throughout). Are these objects intended to be OF/CI items? These items do not appear on the Equipment Responsibility Matrix. If any of these items are to be furnished by 09A.8 can we ask to have a material identification tag included.	Walsh	Items listed in the 102800 specification to be provided by TC09A8. Items in greyscale not noted as OFCI or in this spec are excluded.	Released with BP8.1 Drywall Rebid
122	1. Please provide the basis-of-design (i.e., preferred rental company contact, tent specifications (rigid frame or pole supported, etc.)) for the 30' x 60' tent in Bid Item 24. Is this scope of work intended to be a continuation of the rental agreement for the existing tent located on the project?	Walsh	Just a continuation of existing tent.	Released with BP8.2 Addendum 1
123	2. Is the location for the off-site storage of the 40 each 5' long water / sand filled traffic barriers in Bid Item 30 located in Fayette County?	Walsh	Yes	Released with BP8.2 Addendum 1
124	3. Can the storage of the item referenced in Bid Item 39 be stored on-site in storage containers or is off-site storage required? What is the duration of the storage period?	Walsh	Yes, onsite is acceptable if available. Period of 1 year.	Released with BP8.2 Addendum 1
125	4. Can the exterior cleaning of hardscapes as described in Bid Item 46 be performed by the labor resources included in Bid Item 27?	Walsh	No, in addition	Released with BP8.2 Addendum 1
126	5. Can the exterior cleaning of the building exterior as described in Bid Item 47 be performed by the labor resources included in Bid Item 27? Please further define this scope of work. Does the scope of work include the exterior cleaning of all windows?	Walsh	No, in addition. Yes cleaning of exterior windows.	Released with BP8.2 Addendum 1
127	Please, clarify if the wall covering that is a component of WD Fab 1,2, and 4 must also comply with the product requirements of 097200? What is the custom graphic?	Champlin	Yes products should comply with requirements of 097200. Whoever provides WD fab must also provide wallcovering to ensure coordination. Custom graphic, rendered elevations and suggested construction outlined in supplementary RFI 127 pdfs	Released with BP8.2 Addendum 1
128	If a subcontractor can deliver components of WD Fab 1,2, and 4 without engaging Blik is that acceptable?	Champlin	yes. blik BOD is plastic laminate wrapped components. In order to meet stability/fire rating at lobby, component base is metal tubing. In pedestrian bridge and admin suite, component is MDF for cost savings.	Released with BP8.2 Addendum 1
129	Trade Category 09F.8 Painting has section 099100 Photoluminescent Paints & Egress Path Markings listed in the scope of work. This section cannot be found in the spec book please delete or update to include. Thanks.	Champlin	See specification section 104513 Photoluminescent Egress Path Markings	Released with BP8.2 Addendum 1
130	We have the following question related to Bid Package Trade Category 01J.8 – General Works Fit Out for CCK-2563.30-18-25, CTC + AAC BP08 Fit-Out Group 2: In reference to the phrase "MEP systems to be cut, cap, and drop by MEP Firms" under Bid Item 8, does this imply that the MEP trade contractors are expected to include the cost of cutting, capping, and dropping the MEP systems in their scope of work? Or is it the responsibility of the General Works contractor to coordinate with and pay the MEP trades directly for this work?	Walsh	MEP trades previously contracted do have cost for cutting capping and dropping temporary systems in their contracts.	Released with BP8.2 Addendum 1
131	Specification 064116, Section 2.4 Cabinet Hardware, Paragraph F calls for the use of Casework Drawer Slides Manufactured by the Accuride Brand as the Basis of Design. Would it be possible to Approve the Futerer USA Brand Drawer Slides that provide the exact same Form, Fit, Function and Load Rating? - See Attached UK Health Formal Subsituttion Form.	Champlin	Alternate slides are acceptable.	
132	HDR TREAT-E Casework shown on Elevation 18/A604 states that Cabinet Doors are to receive 2-Step Authentication (PROX + PIN). As well as Motion Sensor and BMS Alarm. Is this to be provided by the Casework Manufacturer performing the TC06A8 Scope of Work or the Owner? If it is to be provided by the TC06A8 Scope of Work can additional detail be provided of what system, brand, model, etc. is required?	Walsh	Design information not provided for lock and integration. TC06A8 to exclude Prox and Pin Lock, Motion Sensor, and BMS Alam from their scope. Casework at this location to be prepped for hardware and allow for concealed wiring inside of the casework to connect to the door and lock mechanism. An allowance to be established to provide this system.	Supplemental document provided.
133	Material Finish Legend A014 calls for the typical Casework Pulls (HDWR-P2) to be provided as Doug Mockett, DP105C/4, Square Drawer Pulls, fnish: Satin Nickel. Would it be possible to provide the HDWR-P2 Pulls as similar Stevens Advantage Artisan Collection - SA015MN Satin Nickel Pulls - See Attached Product Data Sheet	Champlin	alternate pulls are acceptable in color SA015MN	
134	TC-01A.8 Scope 7.1 includes reference to "OH Doors". Is this an error as TC-08C.8 appears to cover this scope?	Walsh	Overhead doors are not in TC01A8 scope. This is a typo.	Released with BP8.2 Addendum 1

Bid Package 08 - Fit Out - Group 1 BIM TRADES Question and Response Log Respones As Of: 1/9/25 @ 8:00 AM Through RFI # 191				
135	TC-01A.8 Scope 7.2 states some work will occur before stated mobilization date of 1/1/26. Will awarded contractor be responsible for general conditions & requirements (supervision, safety coordinator, etc.) during these times outside of stated scope?	Walsh	Items that are provided on a continuous or ongoing basis (such as 7.5 Temporary Toilets) shall begin on 1/1/27. Items that are noted as discrete or non continuous scope(such as the demolition scope of work or line item 7.38) may occur prior to 1/1/27 as required by the CM and project schedule. All trades will be held to safety and supervision requirements whenever working on site.	Supplemental document provided.
136	TC-01A.8. For purposes of estimating consumables and maintenance items, please provide an average number of trade contractor field staff on-site during the stated duration of 1/1/26-1/1/27.	Walsh	500	Released with BP8.2 Addendum 1
137	TC-01A.8 Scope 7.24 Please provide basis of design. What specs/features are required? New/used, wall panels/height, windows, specified wind/snow load ratings, etc?	Walsh	See sketch issued with Addendum 2	Supplemental document provided.
138	TC-01A.8 Scope 7.30 Will K-Rails be relocated within Lexington, same as other scope items? Will equipment be available at off-load site to facilitate delivery?	Walsh	Yes, assume this will be in lexington. No assume that there is no equipment to offload them.	Released with BP8.2 Addendum 1
139	TC-01A.8 Scope 7.35 Please provide existing provider of video webcam service.	Walsh	EarthCam	
140	TC-01A.8 Scope 7.42 Please provide details of "loading dock". Will this be modular, cast-in-place, wood? How many sections/weights? Does TC-01A.8 dispose of dock after removal?	Walsh	See sketch issued with Addendum 2 that was used to procure the loading dock in BP7. Modular components to be preserved and delivered to a site in Lexington KY. Site built elemnts to be demolished.	Supplemental document provided.
141	TC-01A.8 Scope 7.27 - 29 Can provided laborers perform maintenance tasks, demolition, and other general scope items?	Walsh	No. The laborer time is not intended to be used for itemized work scope inside of the Exhibit B.2.	
142	TC-01A.8 Please verify lockers and casework will only require surface mounted anchors and accessories.	Walsh	Refer to drawing details and specifications for anchoring requirements and accessories.	Released with BP8.2 Addendum 1
143	TC-01A.8 Please clarify scope responsibility for fencing removal. Verbiage conflicts as to removal of this TC installed fence vs site fence.	Walsh	Assume this firm is removing only the fencing that this contract installs. Bid Package 7 and prior fencing to be removed and stockpiled by the BP7 Gen Works firm.	
144	TC-01A.8 Scope 7.45 Please provide quantities and types of items a-j. This would include details including but not limited to: awning size, qty, materials; bollard qty and mounting or embed; full descriptions on items h&j; etc.	Walsh	Refer to sketches on BP7 Logistics for quanities. Assume 12 cast in place concrete bollards. Items in excess of the BP7 logistcs plan.	
145	TC-01A.8 Scope 7.47 Considering warranties, incidentals, and material cleaning processes unknown to this contract for installed materials, have installing contractors for windows, metal panels, etc. been scoped to clean their work? Will roof tie-backs be installed for swing stages and equipment? Will an in-place window cleaning system be installed on this building? Is cleaning limited to a certain height from ground (25', 50', etc)? Can the design team provide elevations/renderings of the complete exterior as none are included in current bid documents?	Walsh	Subcontractor to owe an additional clean of the glazing only. All façade subcontractors owe a clean of their own scope at completion of their scope. Roof tie backs will be allowed to used. Subcontractor may not damage tieback in their use. Building does not have a gantry or other window washing system nor will swing stages be provided. Exterior Elevations Issued for reference.	Supplemental document provided.
146	Are any doors/frames/glazing on sheet A700 to be included in the interior glazing package? If so, I have the following questions:	Walsh	Aluminum Core and Shell Doors (A700) are not by the Interior Glazing subcontractor. These would be by the Exterior Glazing Subcontractor.	
147	Doors C001.1, B200N.1, B400N.1, B600N.1, B801 call for frame type HM-002, this frame configuration does not show any glazing, but they are calling for glass type GL-63T in the frame. Is glass required at this frame? If so, what is the correct frame configuration?	Champlin	C001.1 - NV Half height glass, B200N.1-Flush (No glass), B400N1-Flush (No glass), B600N1-Flush (No glass), B801 - NV Half height glass. See RFI 146.	
148	Doors C001A.1 and B.1 call for frame Type HM-014 with GL-63T glass, what is this frame configuration?	Champlin	Sim as HM-12B on A710. 3'-0" Half Height Sidelight, 4" Head. See RFI 146.	
149	Was door XE0001 part of the exterior glazing package, or are we too include it in the interior glazing package? It appears to be an exterior door.	Walsh	This door is previously contracted with exterior glazing.	Released with BP8.2 Addendum 1
150	What is the glass makeup requirement for type GL-63T.	Champlin	Use GL-62, laminated ceramic glazing. There is no film applied ceramic glass.	
151	Please confirm any doors/frames/glazing for openings A602.1, A602.3, and A706.3 are not part of the interior glazing package.	Walsh / Champlin	Doors SHOULD be included in the Interior Glazing Pacakge. The intent of these doors is to have framining detailed in a way to simplify their removal at a future unknown date. There is not a 'Demountable Parition' Contractor that will purchase or provide these. That note will be struck in future issuances.	
152	Who is responsible for the glass markerboards?	Walsh	Division 10 markerboards have been previously contracted.	Released with BP8.2 Addendum 1
153	Confirm RF shielded glazing at openings WA009H1, WA109A1, WA109B1, and WA109D are not by the interior glazing subcontractor.	Walsh	Confirmed. By RF subcontractor.	Released with BP8.2 Addendum 1
154	Confiming the PLGL-1 dividers are not a part of the interior glazing scope. See 4 and 6/A609.1 for example.	Walsh	PLGL-1 Dividers to be provided by the Finish Carpentry subcontractor	
155	Confirm glass type requirement at door opening A104.	Champlin	A104 Mediatation Room - Sidelight is GL-4 Frosted Meditation Blue	
156	Confirm glass type requirement at door opening A108C	Champlin	A108C Office Manager - Frosted GL-20	
157	Confirm frame configuration at opening A100W3. The door schedule says HM-002 which has no sidelites or transoms. The floor plans and elevations show sidelites and transom.	Champlin	A100W3 Waiting Room - Wood Framed Glazing System	
158	Is the interior glazing contractor to include ASLD-1 auto entrances at openings A100A.2 and C100A.2?	Walsh	Interior Glazing Subcontractor shall include in their bid a fixed value allowance for work at A100A.2 and C100A.2. Additionally, AG-8 Glass that is intended to match custom color curtain wall to be included in the same allowance. Refer to sketch included with this addendum.	
159	At the connector where there are glazing inserts (ref. 2&3/A610.5), it appears there is a U-channel at the jambs (ref. 1/A610.5), what material is securing the glazing at the heads and sills? Assuming wood? (ref 9&10/A835)	Champlin	Architectural wood frame.	
160	What is the glass makeup requirement for Type GL-13T?	Champlin	Use GL-13, Frosted & Patterned Laminated (Level 3).	
161	Are the glazing inserts shown at the L2 Lobby Slatwall to be fire rated assemblies? It appears they are in rated walls but it looks like there are sprinklers at each opening (ref. 1&2/A620 and 2,3,4/A620.1).	Champlin	Non fire rated. Glass has fire protection sprinklers.	
162	What are the glass requirements at the partitions typical at the Infusion Rooms on Level 5 Area A?	Champlin	AG-15: GL15, with aluminum 6" shoe, 2" head. Frosted, Patterned. See 6/A818.	
163	Do you have Hilrom P Drawings?	Walsh	Drawings with device types and quantities provided with Addendum #1	Released with BP8.2 Addendum 1

Bid Package 08 - Fit Out - Group 1 BIM TRADES Question and Response Log Respones As Of: 1/9/25 @ 8:00 AM Through RFI # 191				
164	Do you have Hilrom BOM?	Walsh	Drawings with device types and quantities provided with Addendum #1	Released with BP8.2 Addendum 1
165	1. TC01J.8 General Works: Midmark Casework. We cannot locate **MCW-3** on the drawings. It is not in the schedule on A014, nor on any elevations. Please advise.	Champlin	See updated A014 and drawings in Addendum #1. Additionally see sketch for casework type delineation.	Released with BP8.2 Addendum 1
166	A: I would like to get an alt approved for the window film. Spec. 88113: call for I. Security Laminate (GLSF-3): 1. Basis-of-Design Product: Advanced Coatings Engineering LLC; 200 Series Standard Security SL9 - Clear Security Laminate or equal approved by Architect prior to bidding. b. Install in accordance with manufacturer's written instructions and recommendations. I would like for you to approve 3M Ultra800 safety & security film, please see the attached spec. I can provide the GSA numbers as well if you want them. Per the manufacturers recommendation this film needs to be installed with an anchoring system, and I would like to 3M IPA. I have attached the spec. Below I have attached a link to the film and IPA system showing how it works. Please let me know if you have any questions. Thank you.	Champlin	See reviewed substitution request.	Released with BP8.2 Addendum 1
167	There are different references to the window films. (see below) Please clarify.	Champlin	See specification section 088113 Decorative Glass Glazing revised December 13, 2024 for Decorative Film Overlay (GLSF-1 & GLSF-2) and Security Laminate (GLSF-3); A013 Mat. ID Codes and floor plans.	
168	I did not see a requirement for a CSI form, so I am requesting and opportunity to be included as an acceptable manufacturer for your STRETCHED-FABRIC WALL SYSTEM. I represent G&S ACOUSTICS, and our FABRIC-WALL SYSTEM will meet your requirements, and the same fabric and core material will be used. No changes are needed to your requirements and no changes for any trades are needed.	Champlin	See reviewed substitution request.	Released with BP8.2 Addendum 1
169	1. GL-63T is not on the Finish Schedule. Can you please provide a glass make-up?	Champlin	Use GL-62, laminated ceramic glazing. There is no film applied ceramic glass.	
170	2. On door schedule A719 where "Frosted Film" is called out in the Notes, please specify a glass film make-up.	Champlin	Frosted Film is intended as GL-20 Laminated safety glass with film interlayer.	
171	3. We are to include the glass at automatic sliding doors A100A.2 and C100A.2?	Walsh	Automatic Sliding Door A100A2 and C100A2 will not be in the Interior Glazing Subcontractors scope of work. Similarly the	Released with BP8.2 Addendum 1
172	4. Is the glass and channel at the LGT-1 and LGT-2 window lights by the glazers or is it included as a part of the light fixture by the electricians?	Walsh	LGT-1 and LGT-2 are shown on electrical lighting plans and schedules and will be supplied and installed by the electricians	
173	1. Several doors and sidelites on Level 1 and 2 are called out with GL-20 Skyline glass; however, they carry a 20-minute for 45-minute fire rating. Skyline does not have fire rated glass as an option. Please clarify how to proceed with these openings.	Champlin	Skyline standard products are not fire rated but they do have fire rated glass substrate options. Sales rep to provide direction.	
174	Altro Puraguard product substitution for FRP Paneling	Champlin	See reviewed substitution request.	
175	Where can I find information on FRP and Inpro panels?	Champlin	See wall proteciton plans A270.A-A278.B. Cross reference with the MAT ID sheets. Please Note: Division 10 Wall protection has been contracted previously.	
176	What does the structural spec call for on existing floor levelness / flatness and deflection?	Walsh	Concrete specification provided.	Supplemental document provided.
177	Summit Locker product substituion request	Champlin	See reviewed substitution request.	
178	1. Does a valance need to be incorporated on ALL upper cabinets, or just ones with UC task lights?	Champlin	Cabinets with U/C lights and paper towel/soap/alcohol dispenser should have valence	
179	2. The sink is sloped for ADA, but at 36'H which is not ADA. Do we need to lower this to ADA height?	Champlin	Yes. 34" to comply with ADA. Leave apron. Consistency of look and no storage below sink.	
180	3. What are the dimensions for the glove holes for the upper cabinets?	Champlin	Refer to typical Glove Boxes	
181	4. What type of locks for cabinets where it is indicated – keys or keyless locks?	Walsh	In absense of better informationa provide standard keying.	
182	Level 3, B303D room has pink color, but there is a 'casework' elevation. Is this millwork or casework	Champlin	Assume part of Finish Carpentry scope rather than as a modular casework solution.	
183	Level 2 Main Lobby Wall (shown on A620) is shown as a 1-hour rated wall in the life safety plans. The glass opening details reference a GL-2 all-glass system with 6" shoe base and 2" recessed head channel (details 2&4/A813 and 1/A812.2 and 9/A812.3). This does not meet a 1-hour fire rating. Should these openings be figured with fire rated glass and framing per spec 084418 in lieu of as detailed in the drawings?	Champlin	The glass is not anticipated as fire rated with fire protection sprinklers providing the protection to glass. KBC 2018-404.6 exception for atriums.	
184	1. Please confirm proposal is to include ½" of leveling under ALL flooring for this package (per Exhibit B.2 10, Quality #1). As well as a $100,000 allowance (as described in Bid Breakdown Form allowance #2).	Walsh	Comply with the language. A new line item on bid form is established for this floor prep.	Supplemental document provided.
185	2. Please confirm proposal is to include Moisture Mitigation under ALL flooring for this package (per Exhibit B.2 10, Quality #4). As well as a $75,000 allowance (as described in Bid Breakdown Form allowance #3).	Walsh	Confirmed - at all locations of 'Soft Flooring' - Meet performance requirements of ASTM F3010, "Standard Practice for Two-Component Resin Based Membrane-Forming Moisture Mitigation Systems for Use Under Resilient Floor Coverings" a Line item is added to the bid breakdown form to account for moisture mitigation costs.	
186	3. Scope item #32 under Scope Clarifications-Scope Specific mentions caulking "top of cove base". Please advise if this applies to all types of bases applicable for this trade category. It is unusual for standard resilient base to require caulking.	Walsh	Comply with details and specifications. Line item was not intending to expand scope of work.	
187	4. Soft Flooring Exhibit B.2, Specification Sections list division 124813 Entrance Floor Mats and Frames. However, we cannot locate this spec. Entrance carpet is listed as FL MAT-1 (finish legend A013) and shows spec section 096813.	Walsh	Comply with the design documents. Incorrect reference to 124813 will be removed at future date.	

Bid Package 08 - Fit Out - Group 1 BIM TRADES				
Question and Response Log				
Respones As Of: 1/9/25 @ 8:00 AM				
Through RFI # 191				
188	5. Please clarify flooring protection for high tra=ic areas. Exhibit B.2, 10. Quality, #6: Is the request to provide either two layers of gatorboard or one layer of Masonite. Or is the intent to provide two layers of Masonite?	Walsh	2 layers of each option at this instance. At medium traffic this is 1 layer of each option.	
189	6. Please advise if this trade category is responsible for Photoluminescent Paints and Egress Path Markings. This is listed in Exhibit B.2 for 09C.8 Soft Flooring (Scope Clarifications-Scope Specific #'s 26 & 27) but also listed in 09F.8 Painting. Assumption would be for Soft Flooring contractor to pick up Photoluminescent markers for all resilient stair treads and Painting package to carry other necessary photoluminescent markings such as hand rails, exit doors, etc. per drawing A505. a. Both Soft Flooring and Painting scopes list Photoluminescent Spec as 099100. However, it looks like the actual spec section is 104513	Walsh	Incorrect spec section was referenced. Intent is as proposed with Soft Flooring contractor to complete the photolumicscents on the floor and treads and the remainder to be provided by the Painting subcontractor.	
190	7. Specification 096516 Resilient Sheet Flooring, 3.4, D, states to apply three coats of floor polish. None of the specified manufacturers require polish. Please advise if we are to include polish.	Walsh / Champlin	Include in pricing per specification. UK typically waxes all floors including products considered no wax floors. See updated bid form for an added Unit Cost to identify a potential VE value for this scope of work.	
191	Please clarify how the schedule is referring to Areas BN, BS, AN, AS on different floors.	Walsh	See attached sketch. Area AN = Area A North. Area BS = Area B South.	Supplemental document provided.

University of Kentucky.
Procurement Services

SUBSTITUTION REQUEST

(During the Bid Period)

Project: CANCER TREATMENT CENTER & ADVANCED AMBULATORY CENTER

Substitution Request Number:

To: KENNETH SCOTT

From: RAN SALES ASSOCIATES

Date: 4-23-2025

A/E Project Number: 6926

Re: SUBSTITUTION REQUEST

Contract For:

Specification Title: STRETCHED - FABRIC WALL SYSTEM

Description: ACOUSTIC STRETCH WALL

Section: 09713 Page: 4

Article/Paragraph: 2.3A

Proposed Substitution: FABRIC - WALL

Manufacturer: GGS ACOUSTICS Address: ST. LOUIS, MO Phone: 800-737-0307

Trade Name: FABRICWALL - STRETCH FABRIC SYSTEM Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.

Submitted by: ROGER A. NEALIS

Signed by: Roger A Nealis

Firm: RAN SALES ASSOCIATES

Address: LOUISVILLE, KY 4029

Telephone: 502-231-4978

A/E's REVIEW AND ACTION

- ☐ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- ☒ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- ☐ Substitution rejected - Use specified materials.
- ☐ Substitution Request received too late - Use specified materials.

Signed by: Bill Ryan Date: 4/24/2025

Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☒ Memo

CHAMPLIN ARCHITECTURE | EOP architecture interiors

Memo

Date and Time	April 24, 2025
To:	Raymond Haunsz, UK-CPMD
Project Name	UK CTC + AAC BP-08 Fitout Group 2
Project #	CCK-2563.30-18-25
Subject:	Fabric Wall System Substitution Request

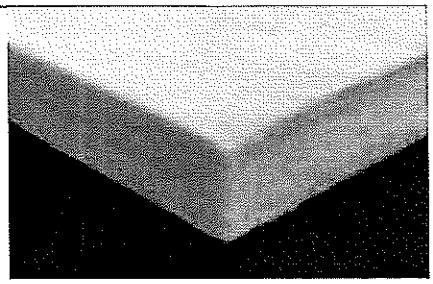
Approved as noted.

- Use the MOTD/MOCL Track (concealed track)
- Bottom 36" needs to be an impact resistant core. Acoustic or tack-core substrates are not appropriate as an impact resistant core. Provide alternate product or include an impact layer with the core section.

Champlin Architecture

Acousti-Core (FWAP)

FABRICWALL
Stretch Fabric Systems



Acousti-Core (FWAP) is the most economical, sound-absorbing core products by FabricWall. FWAP core creates a comfortable environment by reducing noise reverberation. Acousti-Core is our most popular stretch fabric system core. Not only is it durable enough for a gymnasium, it is used in many other unlimited spaces.

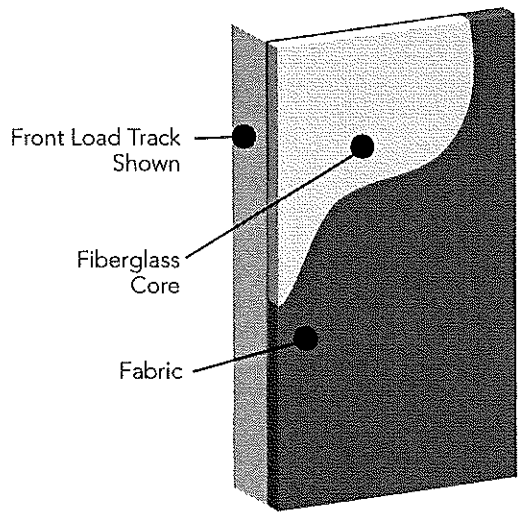
Acousti-Core absorbs a wide range of sound frequencies. Absorption levels are based on the core thickness. Review the acoustical performance for each core thickness listed below to make your selection.

Core
6-7 pcf recycled fiberglass, 1/2"-4" thick

Sizes
4'x8', 4'x10', 4'x12' and 5'x10'

Flammability
All components have a Class "A" rating per ASTM E84

Core Section



Sound Absorption

Hz	125	250	500	1000	2000	4000	N.R.C.
FWAP .5	.04	.11	.40	.65	.87	.99	.50
FWAP 1	.14	.35	.82	.99	1.04	1.01	.80
FWAP 2	.40	.78	1.17	1.09	1.11	1.10	1.05

Note: NRC test results based on our standard acoustically transparent fabric. Results may vary with other fabrics.

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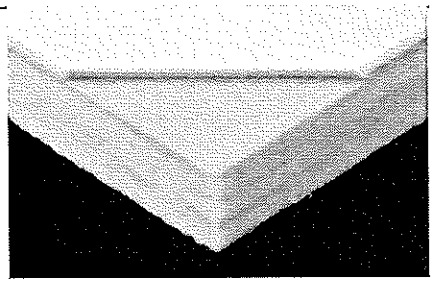
Acousti-Tack Core (FWATF)

FABRICWALL
Stretch Fabric Systems



FabricWall's Acousti-Tack Core (FWATF) is **excellent at sound-absorbing and is also a tackboard.** Our functional FWATF core has a compound core of 1/8" high density fiberglass facing, laminated to 6-7 pcf recycled fiberglass.

The fiberglass facing sheet gives our FWATF core an **impact-resistant tackable surface** with increased sound absorption ability. The 6-7 pcf fiberglass core is the primary source for sound absorption; and it is available in a variety of thicknesses. Review the acoustical performance for each core thickness listed below to make your selection.

Choose FWATF core for locations that require sound-absorbing, impact-resistant surfaces. FWATF core is especially useful in conference rooms, corridors, classrooms, libraries, theatres and high-traffic areas.

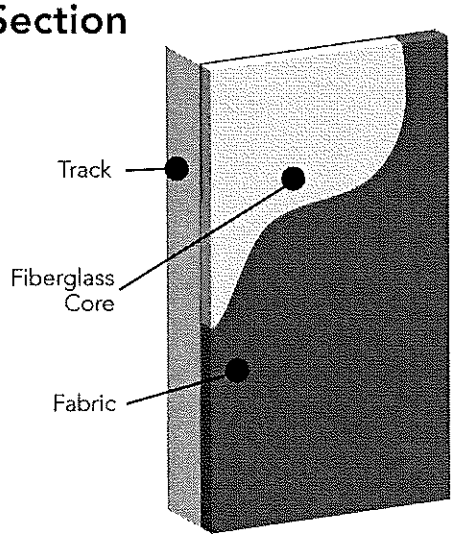
Core
Facing: 1/8", high density fiberglass

Backing: 6-7 pcf recycled fiberglass, 1/2"-4" thick

Sizes
4'x8', 4'x10' and some thicknesses 5'x10'

Flammability
All components have a Class "A" rating per ASTM E84

Core Section



Sound Absorption

Hz	125	250	500	1000	2000	4000	NRC
FWATF 1	.16	.37	.84	.98	1.01	.96	.80
FWATF 2	.46	.88	1.10	1.03	.97	.94	1.00

Note: NRC test results based on our standard acoustically transparent fabric. Results may vary with other fabrics.

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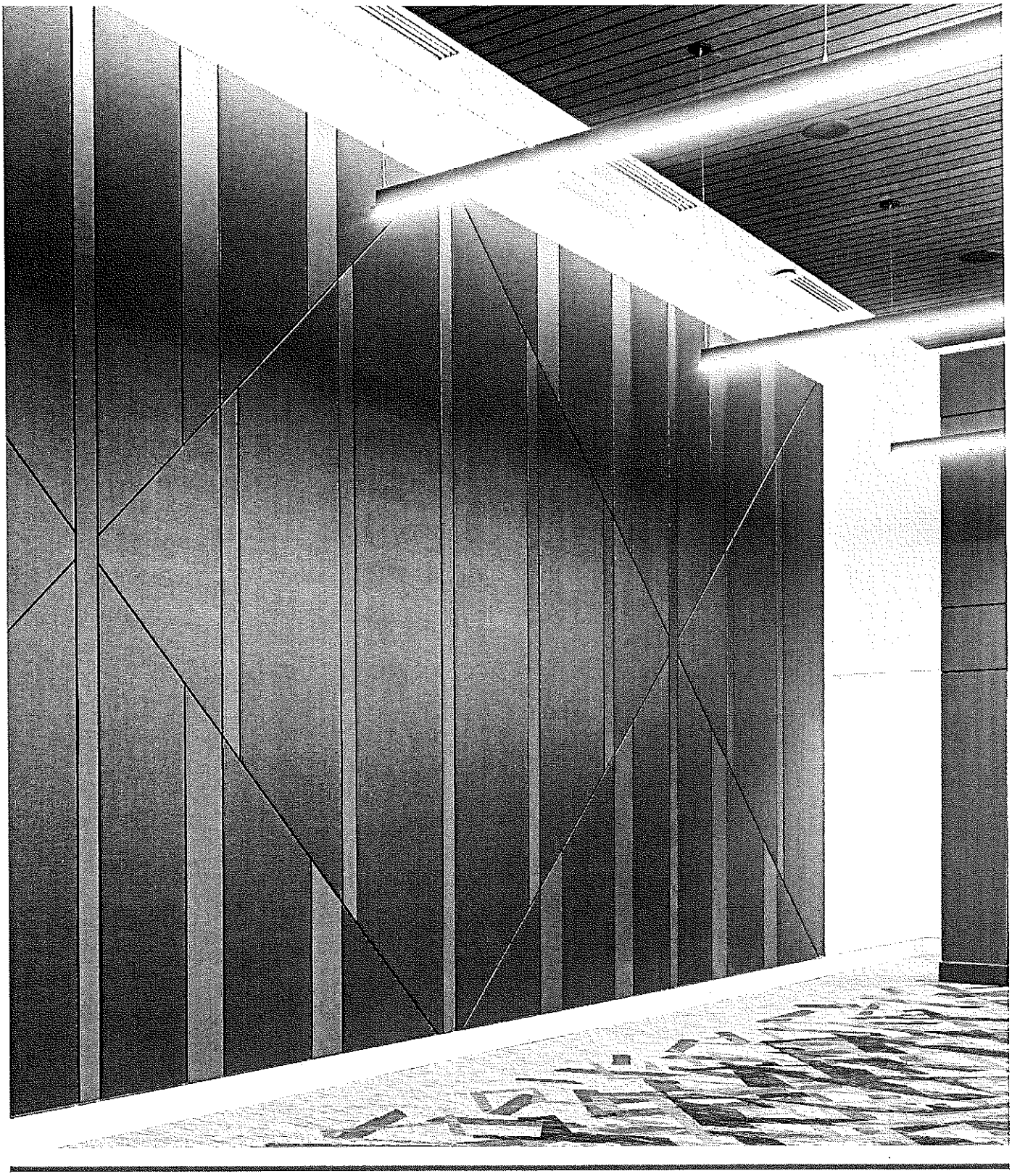
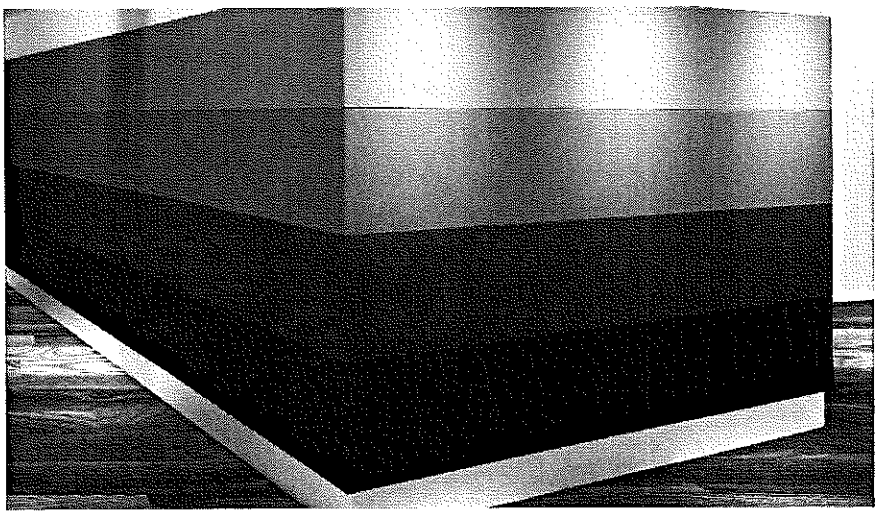


FABRICWALL

Stretch Fabric Systems

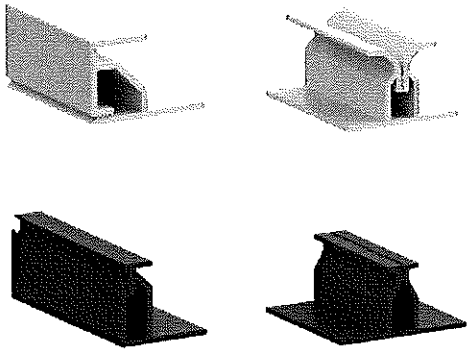
FABRICWALL

Since 2006, FabricWalls' site-built, stretch fabric system has been installed world-wide with a broad variety of fabrics. Installed on walls or ceilings, FabricWalls' sound absorbing cores enhance interior acoustics, while creating beautiful, fabric covered surfaces.



TRACK

FabricWall track is the framework that holds fabric tight and in place across walls and ceilings. Edge details, thickness and appearance of the system are determined by the track selected. There is a track profile for every jobsite condition. The track profiles are available in four thicknesses: 1/2", 5/8", 1" and 2". Standard track is white and black track is available.



CORE

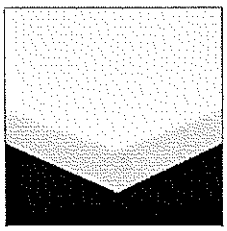
Core is the sound absorbing material installed beneath the fabric and inside the FabricWall track. There are several different types of cores:

FWPOLY Polyester
1", NRC = .75
2", NRC = .95

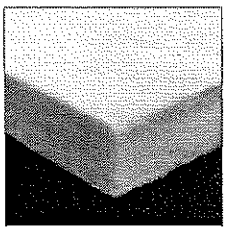
FWAP Fiberglass
1", NRC = .80
2", NRC = 1.05

FWATF Tackable Fiberglass
1", NRC = .80
2", NRC = 1.00

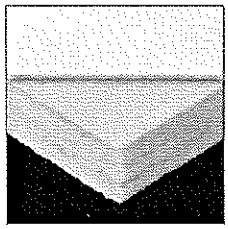
FWTW Tackable Micore
1/2", 5/8"



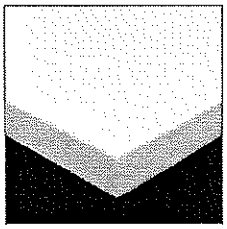
FWPOLY - Polyester



FWAP - Fiberglass



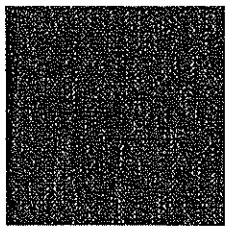
FWATF - Tackable Fiberglass



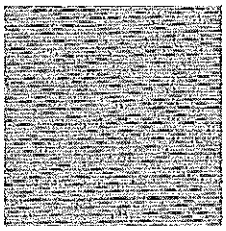
FWTW - Micore

FABRIC

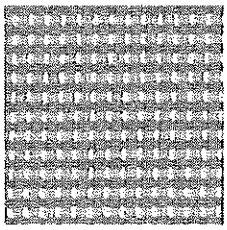
Fabric selection is crucial. Fabrics must fit in the track and hold in place without sagging or distorting. All of the fabrics offered by FabricWall are tested in the system. In addition, any other fabric supplied with the track will be tested and guaranteed to perform correctly. Custom printing and 125" wide fabrics are available.



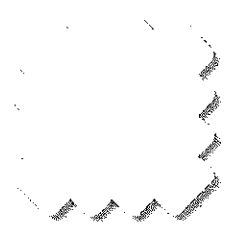
Standard



Upgrade



Premium



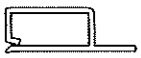
VistaSpan
125" Wide

TRACKS

1/2"


50MOTD


50MOCL


50MOBL


50COBL

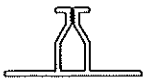
5/8"

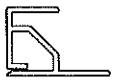

65MOTD


65MOCL

1"

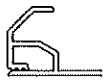

10MOTD

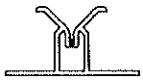

10MOCL


10MOBL

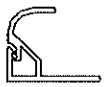

10MOLT

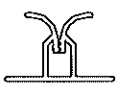

10BVTD

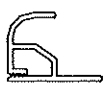

10BVBL


10BVCL

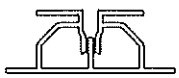

10MOSL


10COTD

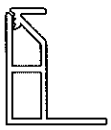

10COCL


10COBL

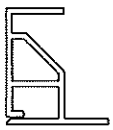

10MOOC

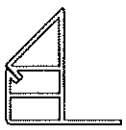

10MORT.25

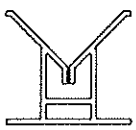
2"


20MOTD


20MOCL


20MOBL


20BVTD

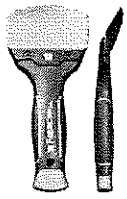

20BVCL

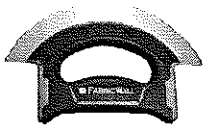
TOOLS

Tucking the fabric into the track requires special tools. FabricWall offers tools made from lightweight co-polymer and tensiled steel. These are rugged tools designed to use all day for many years.

Standard Three-Piece Tool Set


Flat


Bent


Rocker

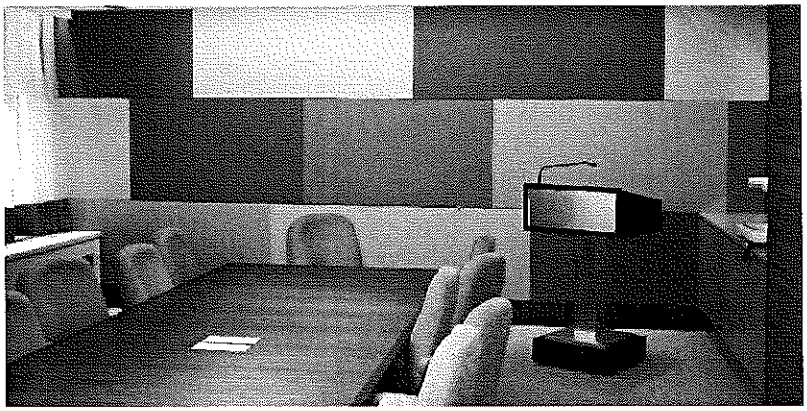
FABRICWALL
Stretch Fabric Systems

www.fabric-wall.com

3555 Scarlet Oak Blvd / Saint Louis, MO 63122
PH / 877.765.8283

TRACK SELECTION

FABRICWALL
Stretch Systems for Walls & Ceilings



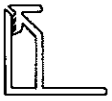
Get on the **RIGHT TRACK** with FabricWall!

Understand the terminology of 22 types of track that can hold your fabric in place.

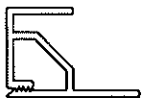
There are three key categories to consider when choosing track:

- Track size 1/2", 5/8", 1", or 2"
- Edge finish - MO (Square), BV (Beveled), CO (Radius/Rounded)
- Fabric attachment to track - TD for Top Down, BL for Bottom Load, LT for Low Tuck, CL for Center Load, and SL for Side Load

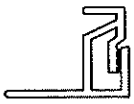
Helpful information for selecting track:



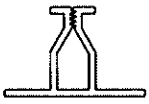
MOTD - Side of track is not visible and the tucking point is at the top. If visible, the track edge needs to be pre-wrapped with fabric. This track is to be used at windows, doors, floors, corners and ceilings.



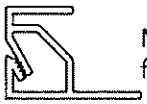
MOBL - Side of track is exposed and the tucking point is at the bottom. This method avoids having to pre-wrap the edge. This track is to be installed on a stand-alone applique type panels and with exposed edges.



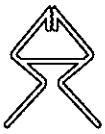
MOLT - The tucking point is midway down the side of the track.



MOCL - Use when two panels are side by side and both pieces of fabric are tucked into the same piece of track to create a mid-wall joint. Creates a monolithic look to the fabric on the wall or ceiling.



MOSL - The fabric is tucked into the track from the side to create a reveal.



MOOC - Fabric is tucked into the track at the outside edge of an outside corner. The fabric can be stretched over this track at an outside corner to create a "seamless" look, or two fabrics can be tucked into the track to transition from one fabric to another.

Make your track decision easier by talking with your FabricWall representative.

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fabric-wall.com

University of Kentucky
Procurement Services

SUBSTITUTION REQUEST

(During the Bid Period)

Project: CCK-2563.30-18-25
AAC BP08 For Out Group 2

Substitution Request Number:

From:

To: CCKBIDQUESTIONS@UKY.EDU
KEN SCOTT

Date: 4-28-25

A/E Project Number:

Re:

Contract For:

Specification Title: FIBERGLASS REINFORCED WALL PANEL Description: FRP WALL PANELS

Section: 097700 Page: 097700 1-4 Article/Paragraph:

Proposed Substitution: ALTRO PURAGUARD
Manufacturer: ALTRO USA INC. Address: 80 INDUSTRIAL WAY WILMINGTON MA Phone: 800-377-5597
Trade Name: Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.

Submitted by: SPENCER BRADLEY & CHAD BRADLEY
Signed by:
Firm: BRADLEY & SONS LLC
Address: 4535 RED LICK RD. IRVINE, KY 40336
Telephone: 606-221-1158, 260-504-1522

A/E's REVIEW AND ACTION

- ☐ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- ☒ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- ☐ Substitution rejected - Use specified materials.
- ☐ Substitution Request received too late - Use specified materials.

Signed by: Bill Ryan Date: 4/29/2025

Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☒ Memo

CHAMPLIN ARCHITECTURE | EOP architecture interiors

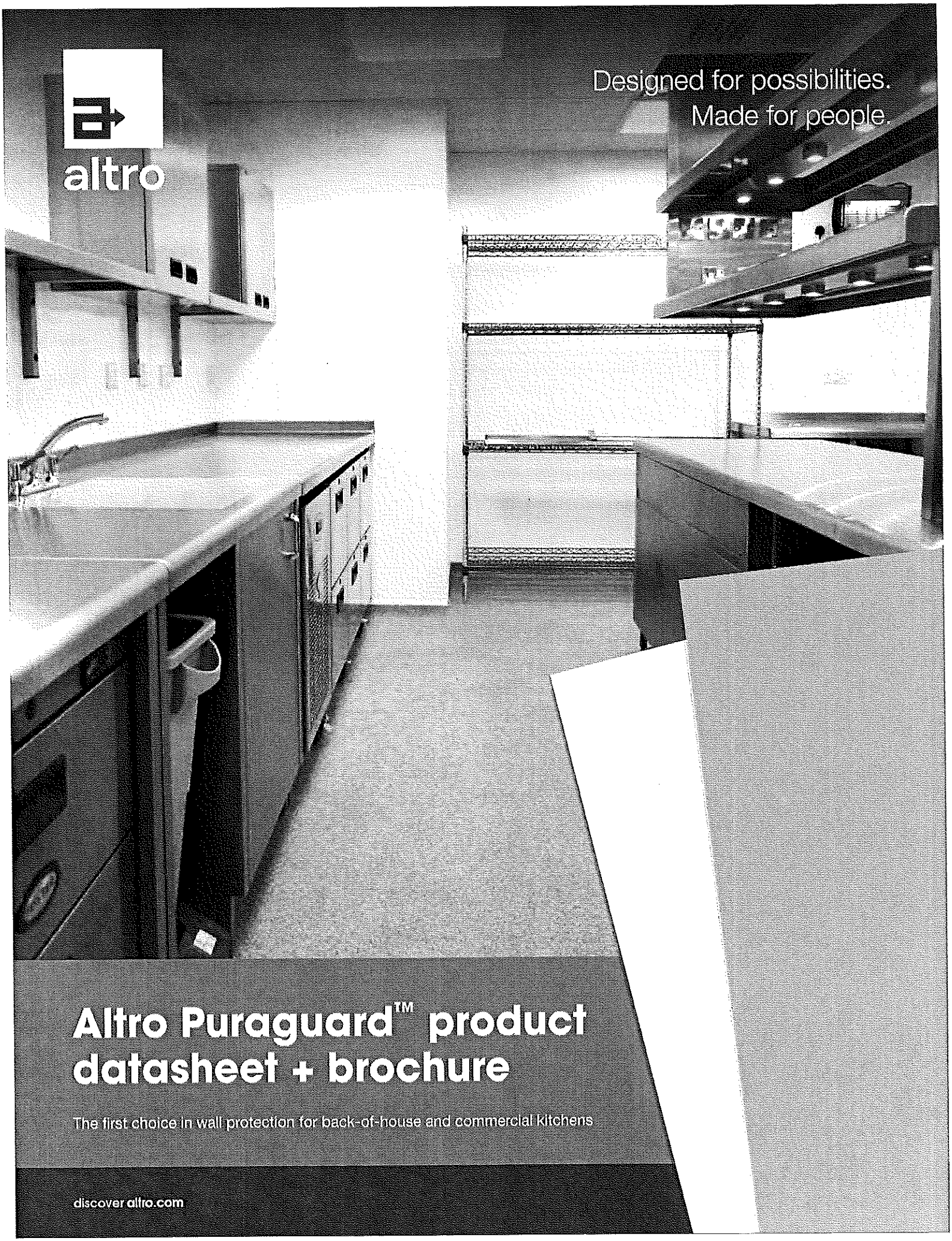
Memo

Date and Time	April 29, 2025
To:	Raymond Haunsz, UK-CPMD
Project Name	UK CTC + AAC BP-08 Fitout Group 2
Project #	CCK-2563.30-18-25
Subject:	FRP Wall Panels Substitution Request

Approved as noted.

- Altro Puraguard is an acceptable substitute for the FRP panels.
- Smooth finish and heat weld between panels are an acceptable idea for maximum cleanability
- If you fabricate with your own seamless corner solution no need for the corner protection called out.

Champlin Architecture



Altro Puraguard™ product datasheet + brochure

The first choice in wall protection for back-of-house and commercial kitchens

discover altro.com

A complete wall panel system

System and accessories

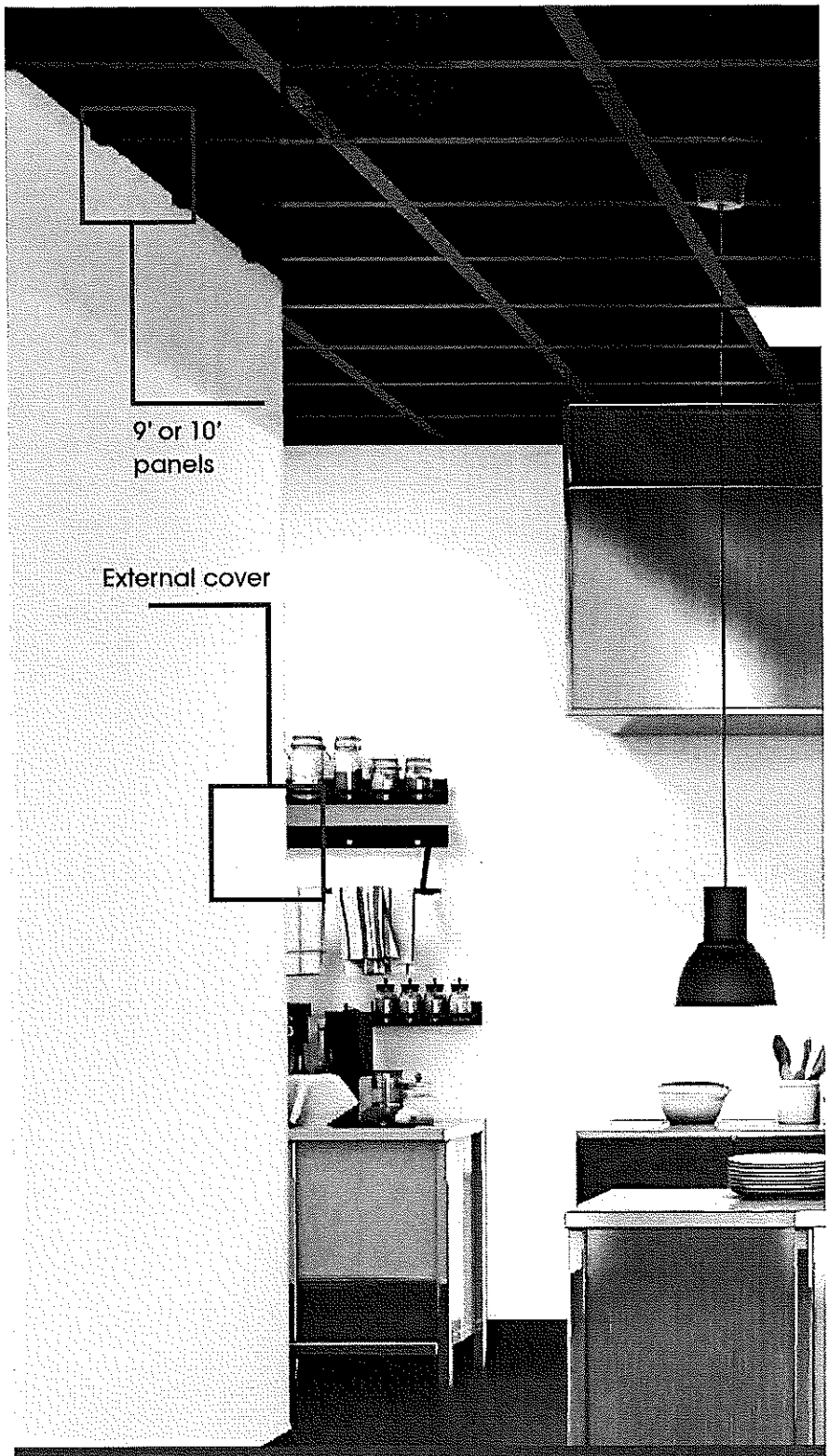
Altro Puraguard wall panels available in both smooth and pebbled finishes, are durable, cleanable and easy to install. Available in 4'x9' and 4'x10' panel sizes, Altro Puraguard includes a variety of connectors and corner accessories that provide efficient and user-friendly installation.

Our installation method is quick and easy to do. This greatly minimizes downtime and makes Altro Puraguard the first choice in wall protection for commercial kitchens!

These PVC panels can be cut by many different means and are easily configured to accommodate obstacles such as switches, outlets and pipe penetrations.

Adhesives and sealants

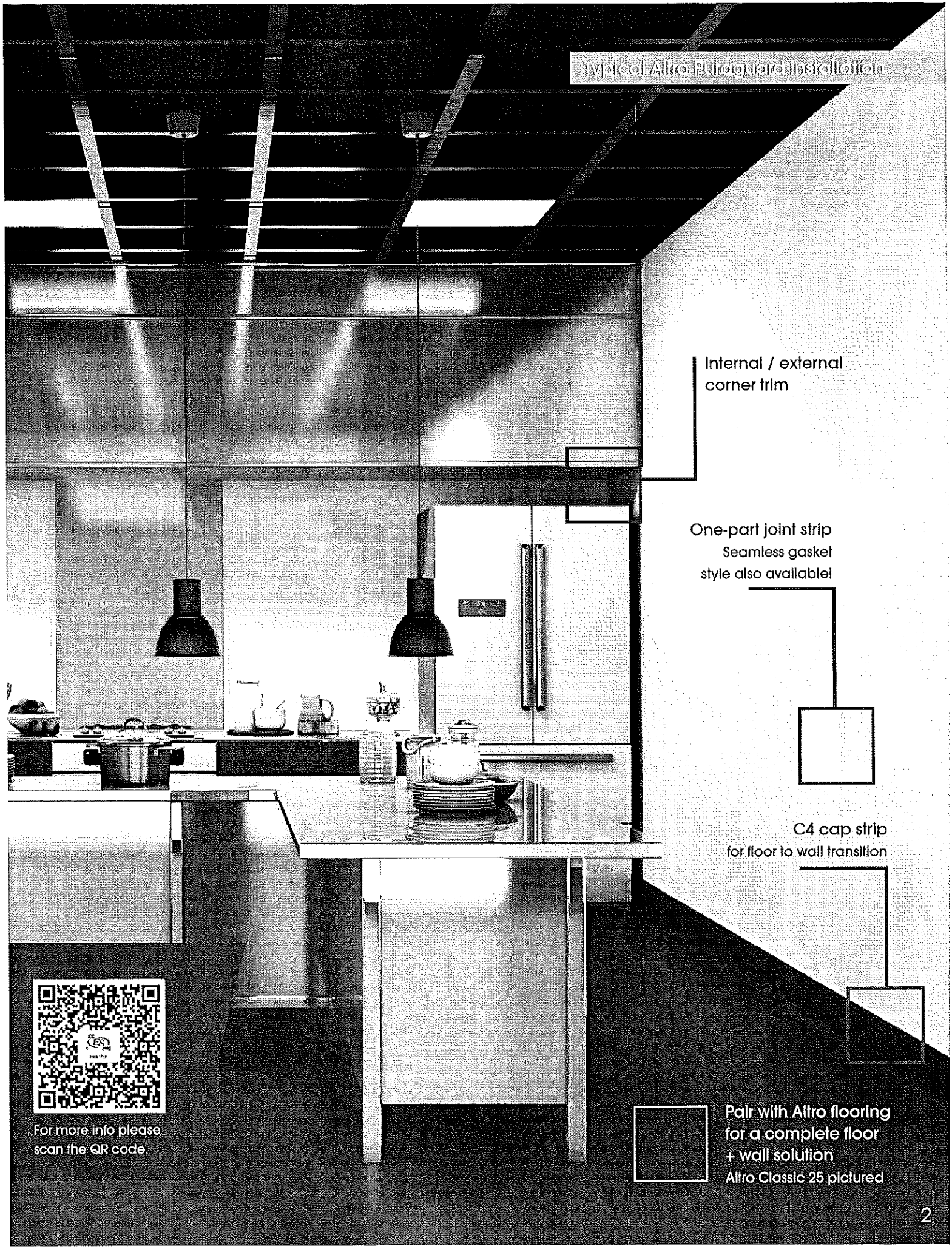
When our installation techniques are followed, our adhesives and sealants will perform in both dry and wet environments, making Altro Puraguard adaptable in nearly any setting. Adding sanitary sealant to the installation ensures that Altro Puraguard remains moisture-free beneath the surface, and avoids warping or bubbling commonly experienced with inferior wall paneling.



ICC ES Altro Puraguard has achieved ICC-ES product certification and is in compliance with the following plumbing code standards:

- ANSI/ICPA SS-1 2001, Performance standard for Solid Surface Materials
- IAPMO PS 106-2015e1, Tileable Shower Receptors and Shower Kits

By complying with these standards this means that Altro Puraguard is approved to be used in showers or other wet areas, such as kitchens.


Typical Altro Pureguard installation
Internal / external corner trim
One-part joint strip
Seamless gasket style also available!
C4 cap strip
for floor to wall transition
For more info please scan the QR code.
Pair with Altro flooring for a complete floor + wall solution
Altro Classic 25 pictured

Altro Puraguard

The first choice in wall protection for back-of-house and commercial kitchen areas

Altro Puraguard has become the in-demand, economically priced wall protection product for many commercial applications. These low maintenance PVC panels promote durability and hygiene in a variety of back-of-house area types including commercial kitchens, dishwashing areas, pantries, service corridors, storage areas and janitorial closets.

Altro Puraguard offers improved performance over traditional FRP panels at a more affordable price. Its construction camouflages superficial scratches, keeping your walls attractive long after their installation.

Features + benefits

- ☑ High stain and chemical resistance
- ☑ Durable system accessories
- ☑ Fully bonded to substrate
- ☑ No glass fibers - for continued safety of air quality
- ☑ Impervious to water ingress
- ☑ Withstands robust cleaning procedures including pressure washing
- ☑ Resists mold and fungi growth
- ☑ Meets USDA, FDA and CFIA standards
- ☑ HACCP International certified
- ☑ Non-porous, hydrophobic
- ☑ Non-shedding
- ☑ Low VOCs
- ☑ Lead-free
- ☑ Class A fire rated
- ☑ ICC-ES Product Certified
- ☑ This product does not contain PFAs

Technical data

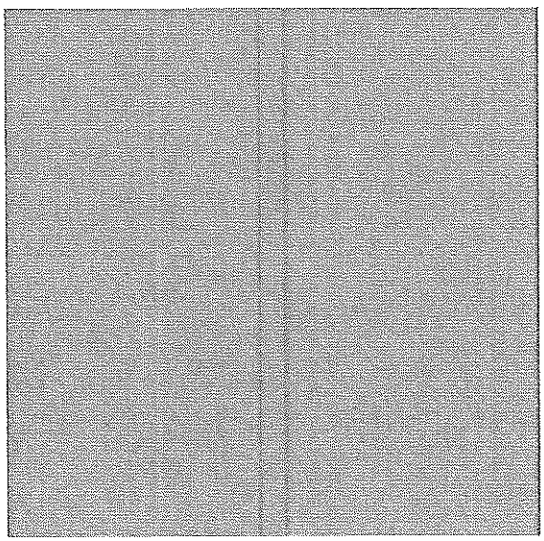
Thickness	2mm | .08"		
Dimensions	4' x 9' and 4' x 10'		
Weight	9' panel - 21.05 lbs, 10' panel - 23.4 lbs		
Warranty	5 years		
Life expectancy	10 years		
Impact resistance	ASTM D5420 Gardner Impact	Exceeds 64 inch pounds	
Fire and smoke performance	CAN/ULC - S102.2 ASTM E84-18	Tested Class A	
VOC emissions	CA 01350	Pass	
Plumbing code standards	ANSI/CPA SS-1 2001 IAPMO PS 100-2015e1	Certified	
HACCP	Altro Puraguard is HACCP International certified		
USDA	Altro Puraguard is USDA compliant		
FDA	Altro Puraguard is FDA compliant		
CFIA	Altro Puraguard is CFIA compliant		
Mold resistance	ASTM D3273	Excellent - Score of 10	
Fungi resistance	ASTM G21	Passes rating 0" "achieves zero growth after 21 days	
Max service temperature	140°F (60°C)		
UV exposure	ASTM G154	Tested	

Altro Puraguard vs FRP

Altro Puraguard consistently outperforms FRP in many categories which has led this product to become a superior option for FRP contractors.

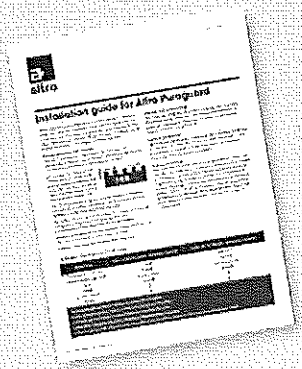
Here's why!

- ☑ Class A fire rated panels
- ☑ Consistent 2.0mm thickness hides wall issues
- ☑ 2x more impact-resistant than most FRP
- ☑ Will not crack/fracture - no hazardous fibers
- ☑ Does not bubble with temperature fluctuations when installed per our guidelines
- ☑ Consistent coloring, will not yellow over time
- ☑ Behind-the-panel gasket trim creates a smooth, seamless installation, see below:



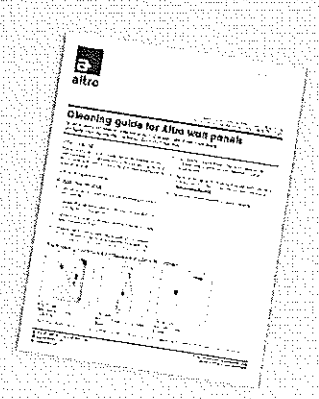
Common stain + chemical resistance

Chemical	Concentration	Time	Resistant
Bleach			✓
Butane		20	✓
Chlorine water	Saturated	40	✓
Chlorine water	12° 5	40	✓
Chlorine water	46%	40	✓
Citric acid	Up to 20%	40	✓
Citric acid	Saturated	40	✓
City gas		20	✓
Glucose	Saturated	40	✓
Glycerine	All concentrations	40	✓
Hydrogen peroxide	Up to 20%	40	✓
Hydrogen peroxide	Up to 30%	40	✓
Kerosene / petroleum		40	✓
Oils and greases		40	✓
PeridoxRTU®			✓
Seawater		40	✓
Soap solution	Fully concentrated	40	✓
Vegetable tannage extracts	Solution	20	✓
Water		40	✓
Wine, red or white		20	✓
Wine vinegar		40	✓



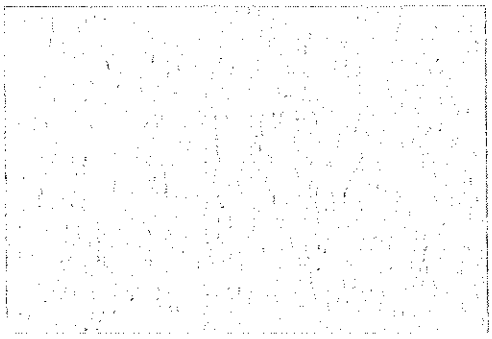
For more information on installation please see our Altro Puraguard installation guide or ask a technical representative.

Simple cleaning information is also available as a separate document for end-users

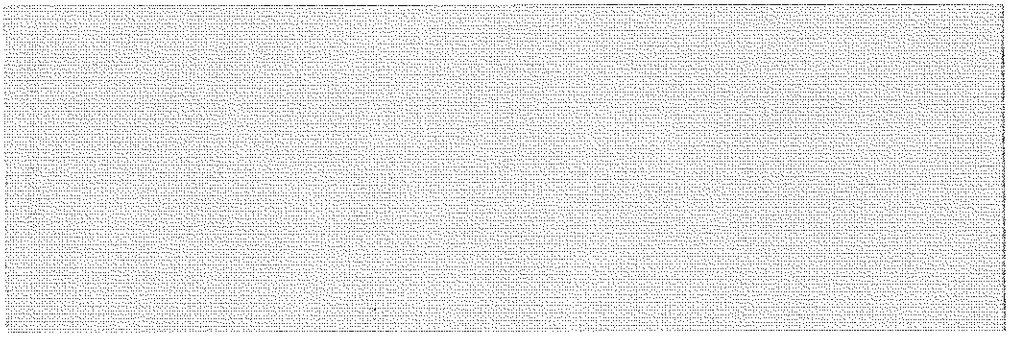


Color availability and system accessories

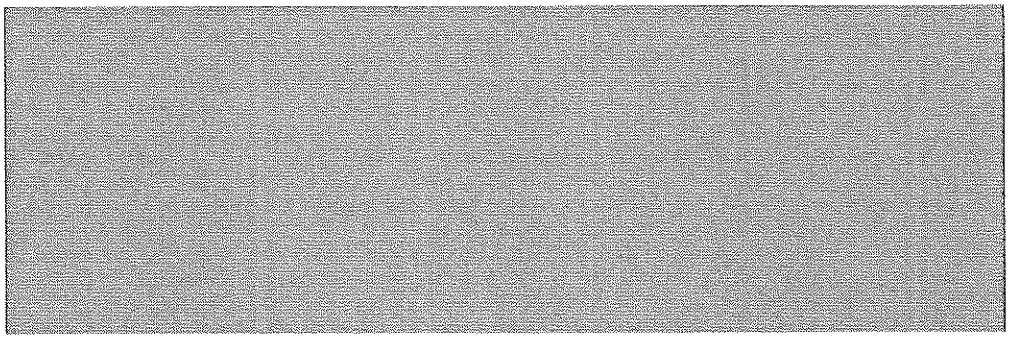
Salt LRV 89
4' x 9' panel W139 A802
4' x 10' panel W135



Sea Salt - pebbled emboss LRV 89
4' x 9' panel W140 / 400 A802
4' x 10' panel W141 / 400

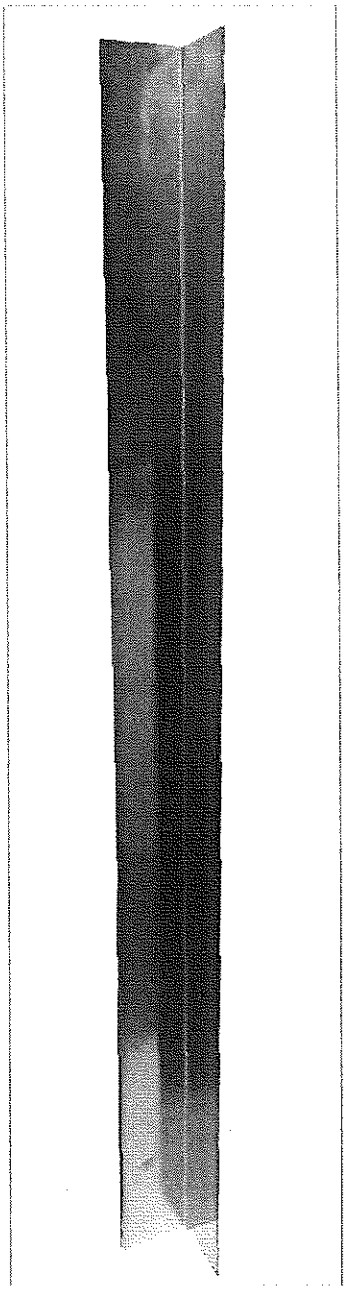


Barley LRV 55
4' x 9' panel W140 / 300 A805/32
4' x 10' panel W141 / 300



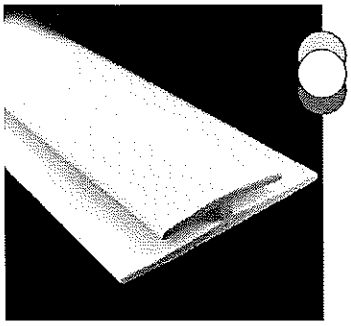
Pepper LRV 36
4' x 9' panel W140 / 301 A805/208
4' x 10' panel W141 / 301

Sesame LRV 6
4' x 10' panel W141 / 302 A805/209

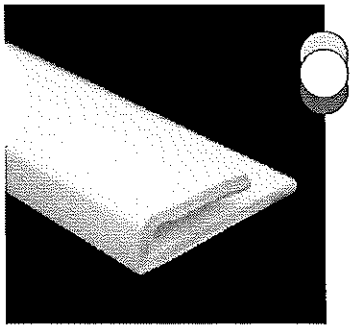


Stainless steel corner protector
A861/12 4' x 3" x 3"
A861/13 8' x 3" x 3"

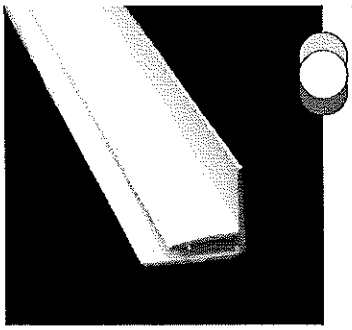
Note: The thickness and dimensions of color Sesame varies from other Altro Puraguard colors. It is 2.5mm thick and 4' x 9'10".



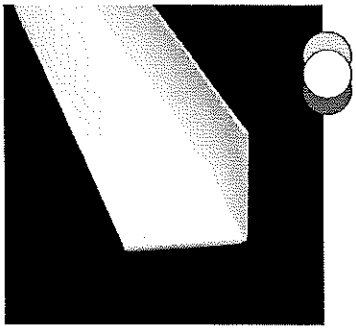
1-Part Joint Strip 10'
Salt/Sea Salt, Barley, Pepper



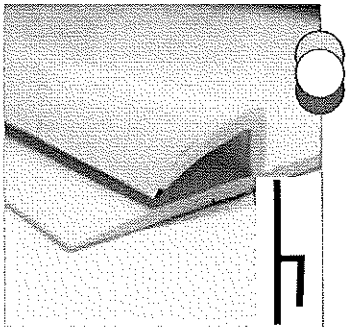
1-Part Start + Edge Trim 10'
Salt/Sea Salt, Barley, Pepper



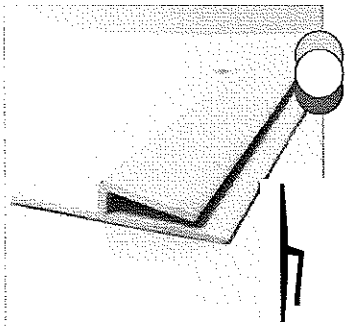
Internal Corner 10'
Salt/Sea Salt, Barley, Pepper



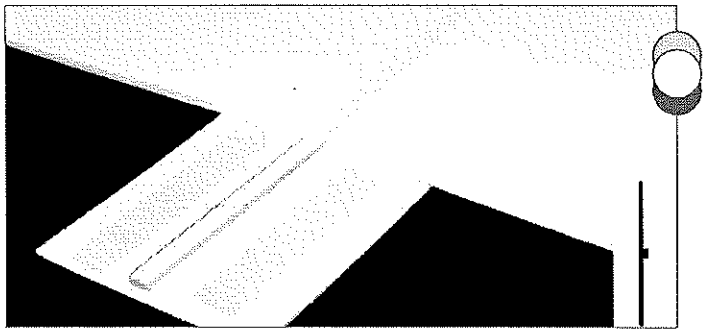
External cover 10'
Salt/Sea Salt, Barley, Pepper



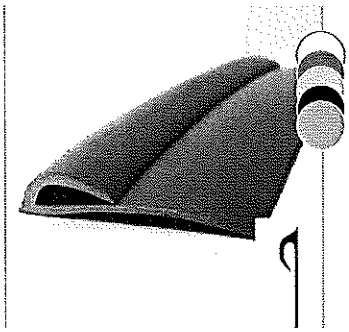
C8 Captile strip 8'2" - H shape
Salt/Sea Salt, Barley, Pepper



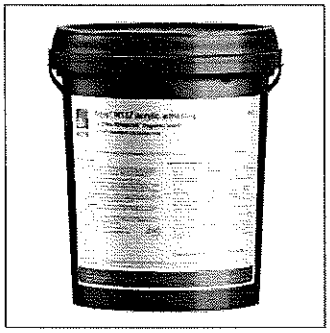
C4 Cap strip 6' - H shape
Salt/Sea Salt, Barley, Pepper



1-Part Altrotite gasket trim
For dry areas only
Salt/Sea Salt, Barley, Pepper



C7 Cap strip 82"
Salt/Sea Salt, Barley, Pepper, Black, Fog (Light Gray)

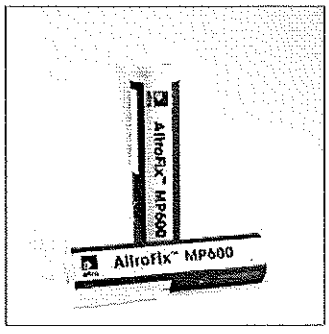


Altro W157 acrylic adhesive
W1574.0 Covers 5 panels
For porous, even substrates

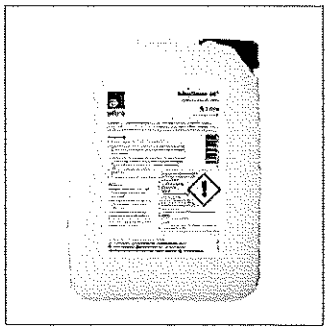
Altro W39 2-Part polyurethane
W391.0 Covers 1 panel
For wet, non-porous substrate

Altro W147 Spray
W147 Covers 2 panels
For approved substrates

Sanitary Sealant
Available in clear and product matching colors



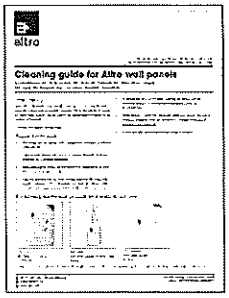
AltroFix MP600
10.5oz - MP600



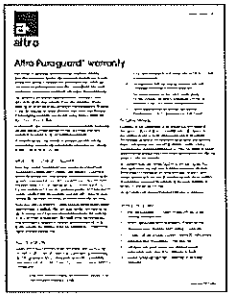
AltroClean 44
1L - FC441L
5L - FC445L

Anti-static solution in spray bottle
Bottle - A809D
5L - A809D/05 (refill)

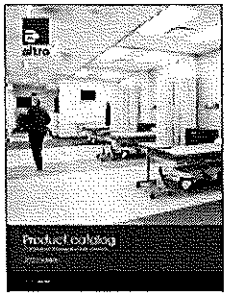
Discover more online!



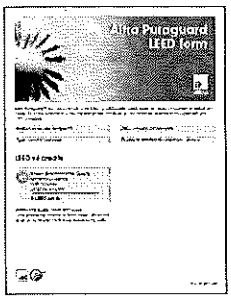
Maintenance guide



Warranty form



Literature



LEED form

Even more great resources!

- BIM components
- SDS sheets
- Detail drawings and CAD files
- High-resolution swatch downloads
- Photo galleries - www.altropics.com
- Solutions by area type - ORs, labs and cleanrooms, kitchens, senior living and more!

Follow us

PURAGUARD DATA

USA 800 377 5597
CANADA 800 565 4658
support@altro.com
www.altro.com

Statement of Verification

BREG EN EPD No.: 000273 Issue 02

This is to verify that the

Environmental Product Declaration

provided by:

Altro Ltd

BRE Global Verified EPD

is in accordance with the requirements of:

EN 15804:2012+A1:2013

and

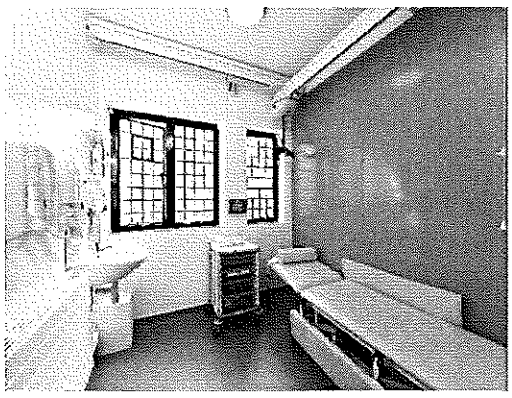
BRE Global Scheme Document SD207

This declaration is for:

Altro Whiterock Americas and Altro Puraguard

Company Address

Works Road
Letchworth Garden City
Hertforshire
SG6 1NW



altro

Signed for BRE Global Ltd	Emma Baker Operator	17 August 2022 Date of this Issue
17 August 2022 Date of First Issue		27 November 2025 Expiry Date

BRE Global Verified EPD

BRE Global Ltd., Garston, Watford WD25 9XX.
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: Enquiries@breglobal.com

ECO PLATFORM EPD VERIFIED

Environmental Product Declaration

EPD Number: 000273

General Information

EPD Programme Operator	Applicable Product Category Rules
BRE Global Watford, Herts WD25 9XX United Kingdom	BRE Environmental Profiles 2013 Product Category Rules for Type III environmental product declaration of construction products to EN 15804:2012+A1:2013
Commissioner of LCA study	**LCA consultant/Tool**
Altro Ltd Works Road Letchworth Garden City Hertfordshire SG6 1NW United Kingdom	Andrew Dutfield / BRE LINA v2.0
Declared Unit	**Applicability/Coverage**
1kg of Altro Whiterock Americas, Altro Puraguard and Altro Whiterock Textured (E84 & CAN/ULC range) u-PVC wall cladding and wall protection solution	Manufacturer specific product
EPD Type	**Background database**
Cradle to Gate	ecoinvent v3.2

Demonstration of Verification
CEN standard EN 15804 serves as the core PCR [a]
Independent verification of the declaration and data according to EN ISO 14025:2010 ☐Internal ☒ External
(Where appropriate [b]) Third party verifier: Jane Anderson
a: Product category rules b: Optional for business-to-business communication; mandatory for business-to-consumer communication (see EN ISO 14025:2010, 9.4)

Comparability
Environmental product declarations from different programmes may not be comparable if not compliant with EN 15804:2012+A1:2013. Comparability is further dependent on the specific product category rules, system boundaries and allocations, and background data sources. See Clause 5.3 of EN 15804:2012+A1:2013 for further guidance

Information modules covered

Product			Construction		Use stage							End of life				Benefits and loads beyond the system boundary
					Related to the building fabric					Related to the building						
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Raw materials supply	Transport	Manufacturing	Transport to site	Construction – Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction demolition	Transport	Waste processing	Disposal	Reuse, Recovery and/or Recycling potential
☑	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Note: Ticks indicate the Information Modules declared.

Manufacturing site

1 manufacturing site in Germany

Construction Product

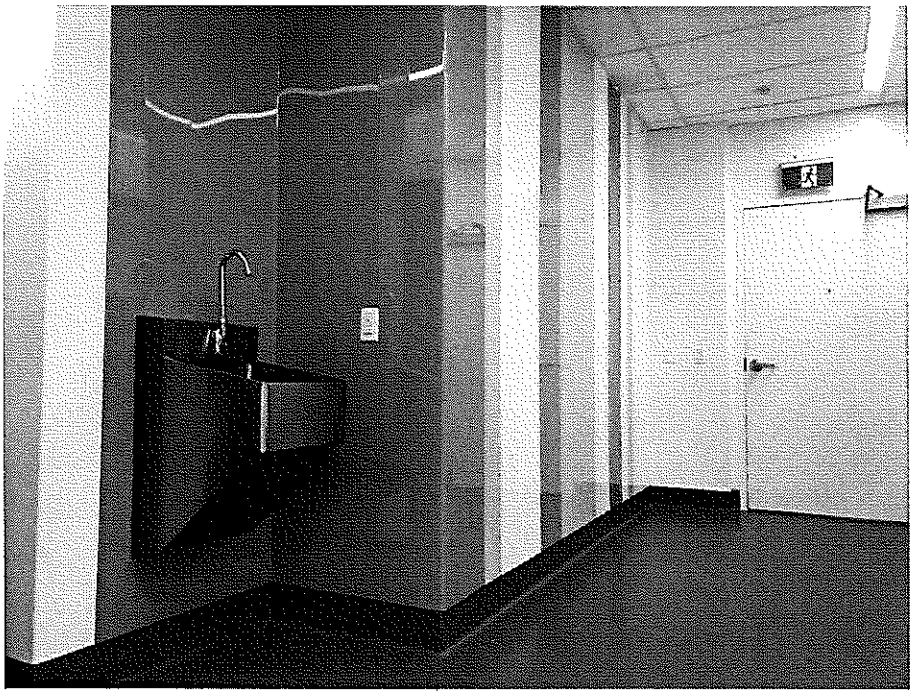
Product Description

PVCu Wall cladding and wall protection solution

Technical Information

Property	Value, Unit (Whiterock)	Value, Unit (Puraguard)
Thickness (EN 428)	2.5 mm	2.0 mm
Density (DIN EN ISO 1183)	1.43-1.46 kg/m³	1.40-1.46 kg/m³
Tensile E-Modulus (ISO 527 – 50mm/min)	2950 Mpa	3000 Mpa
Impact Resistance (Charpy) (ISO 179/1eU	o.B kj/m²	o.B kj/m²
Notched Impact Resistance (Charpy) (ISO 179/1eA)	9.0-10.6 kj/m²	9.0 kj/m²
Tensile Strength (ISO 527 – 50mm/min)	52 Mpa	52 Mpa
Flexural Strength (ISO 178 – 2mm/min)	68-72 Mpa	73 Mpa
Flexural E-Modulus (ISO 178 – 2mm/min)	2700 Mpa	2750 Mpa
Shore-Hardness (ISO 868)	76 D	78D
Coefficient of Expansion (DIN 53 752)	0.07 mm/mK	7.1^{-5} 10^{4}/K
Compressive Strength (DIN 53 421)	68 N/mm²	70 N/mm²
Vicat-Softening Point (ISO 306-B50)	72-74 degC	72 degC
Heat Distortion Temperature (ISO 75-2 (1.8 Mpa))	60 degC	60 degC
Water Absorption (ISO 62 – after 216h)	0.1%	0.1%

Property	Value, Unit (Whiterock)	Value, Unit (Puraguard)
Thermal Conductivity (DIN 52 612)	0.16 W/mK	n/a
Surface resistance ROE (DIN IEC 60 167)	n/a	>2.0E+14 Ω
Dielectric strength RD (DIN IEC 60093)	n/a	1.74E+16 Ωcm
Dielectric breakdown (DIN IEC 60243-1)	n/a	16.8 kV/mm
Dielectric constant (DIN 53 483)	n/a	3.0-3.6 Er



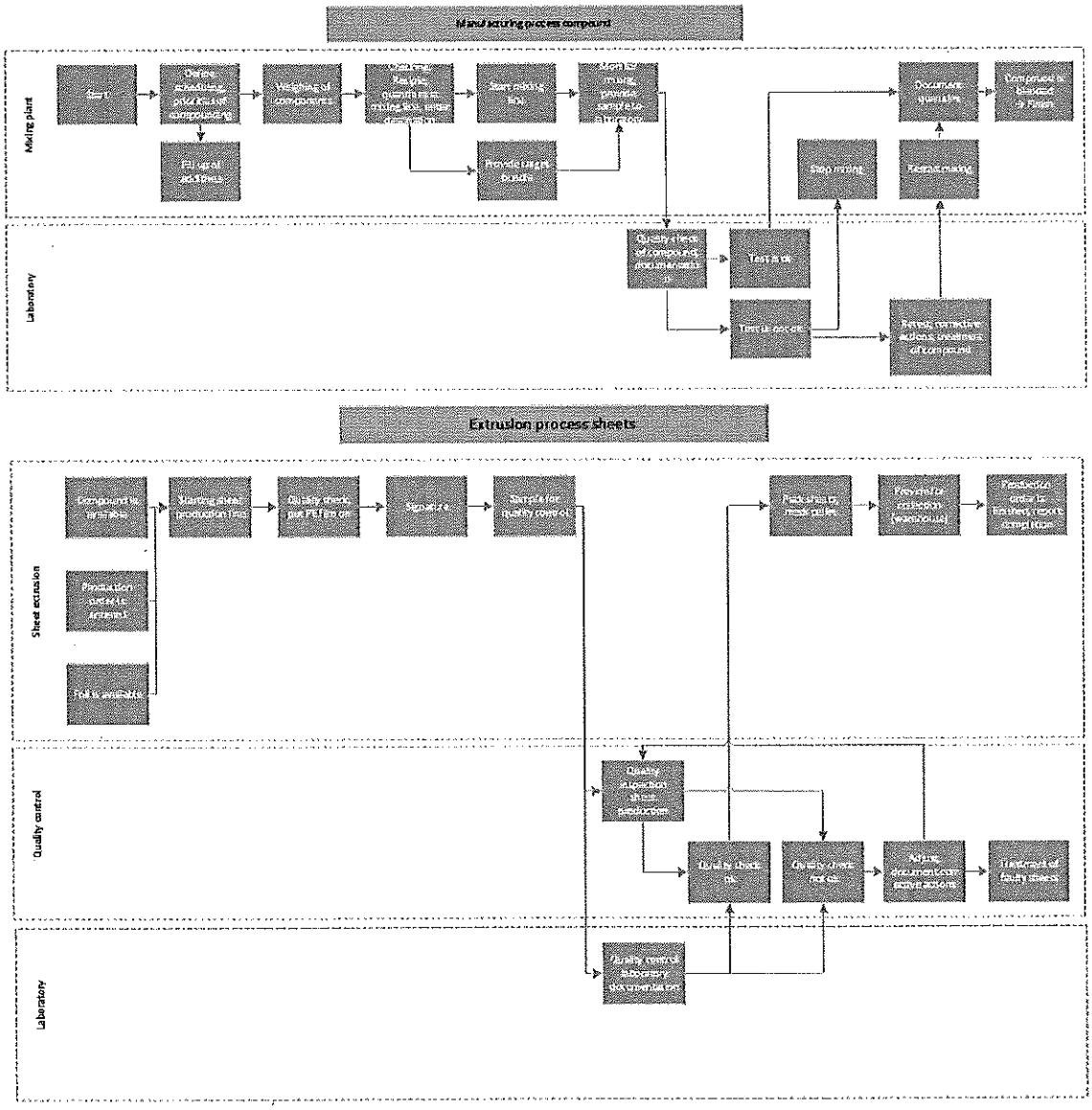
Main Product Contents

Material/Chemical Input	Mass (%)
PVC	78.1
Chalk	7.9
Modifier/ Processing aid/ Lubricant	7.3
Titanium dioxide	4.0

Manufacturing Process

Altro sheets are produced with u-PVC extrusion line with calender rolls and cooled down by ambient air on roller table. Raw materials are mixed on site.

Process flow diagram



Life Cycle Assessment Calculation Rules

Declared / Functional unit description

The declared unit is 1kg of Altro Whiterock, Altro Puraguard and Altro Whiterock Textured (E84 & CAN/ULC range) u-PVC wall cladding and wall protection solution

System boundary

This is a cradle-to-gate EPD, reporting all production life cycle stages (modules A1 to A3) in accordance with EN 15804:2012+A1:2013.

Data sources, quality and allocation

This is a cradle-to-gate LCA, reporting all production life cycle stages of modules A1 to A3 in accordance with EN 15804:2012+A1:2013. No inputs or outputs have been excluded and all raw materials, packaging and transport, energy, water use and wastes, are included, except for direct emissions to air, water and soil, which are not measured.

Altro Whiterock, Altro Puraguard and Altro Whiterock Textured (E84 & CAN/ULC) is a u-PVC Wall cladding and wall protection solution range. Altro Whiterock includes white sheet and coloured sheets. In the UK this range is called Satins. E84 relates to the fire compliance in the USA and the CAN/ULC relates to fire compliance in Canada. Puraguard is produced at a thickness of 2 mm (2.88 kg/m^2) and Whiterock and Whiterock Textured are produced at 2.5 mm (3.6 kg/m^2).

The products are manufactured on behalf of Altro by a third-party manufacturer in Germany. The data supplied relates to the German site. The site manufactures other products in addition to the Altro Whiterock, Altro Puraguard and Altro Whiterock Textured (E84 & CAN/ULC) and allocated values for energy, water, waste and wastewater have been allocated on mass basis as a percentage of total site production. The two exceptions are sheet extrusion energy and LPG which are allocated on mass basis as a percentage of sheet production only.

Secondary data has been drawn from the BRE LINA database v2.0.56 and the background LCI datasets are based on ecoinvent v3.2.

Cut-off criteria

No inputs or outputs have been excluded. All raw materials and packaging inputs, plus their transport, process and general energy and water use, production and non-production waste, have been included, except for direct emissions to air, water and soil, which are not measured.

LCA Results

The results per declared unit (1 kg) of the Altro Whiterock, Altro Puraguard and Altro Whiterock Textured (E84 & CAN/ULC) u-PVC wall cladding and wall protection products for the declared modules can be found in the following tables.

(MND = module not declared; MNR = module not relevant; INA = indicator not assessed; AGG = aggregated)

Parameters describing environmental impacts

			GWP	ODP	AP	EP	POCP	ADPE	ADPF
			kg CO_2 equiv.	kg CFC 11 equiv.	kg SO_2 equiv.	kg $(PO_4)^{3-}$ equiv.	kg C_2H_4 equiv.	kg Sb equiv.	MJ, net calorific value.
Product stage	Raw material supply	A1	AGG	AGG	AGG	AGG	AGG	AGG	AGG
	Transport	A2	AGG	AGG	AGG	AGG	AGG	AGG	AGG
	Manufacturing	A3	AGG	AGG	AGG	AGG	AGG	AGG	AGG
	Total (of product stage)	A1-3	2.28E+00	8.36E-08	9.58E-03	2.72E-03	2.78E-03	1.32E-05	5.56E+01

GWP = Global Warming Potential;
ODP = Ozone Depletion Potential;
AP = Acidification Potential for Soil and Water;
EP = Eutrophication Potential;
POCP = Formation potential of tropospheric Ozone;
ADPE = Abiotic Depletion Potential – Elements;
ADPF = Abiotic Depletion Potential – Fossil Fuels.

Parameters describing resource use, primary energy

			PERE	PERM	PERT	PENRE	PENRM	PENRT
			MJ	MJ	MJ	MJ	MJ	MJ
Product stage	Raw material supply	A1	AGG	AGG	AGG	AGG	AGG	AGG
	Transport	A2	AGG	AGG	AGG	AGG	AGG	AGG
	Manufacturing	A3	AGG	AGG	AGG	AGG	AGG	AGG
	Total (of product stage)	A1-3	4.12E+00	6.59E-05	4.12E+00	4.88E+01	1.79E+01	6.67E+01

PERE = Use of renewable primary energy excluding renewable primary energy used as raw materials;
PERM = Use of renewable primary energy resources used as raw materials;
PERT = Total use of renewable primary energy resources;
PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials;
PENRM = Use of non-renewable primary energy resources used as raw materials;
PENRT = Total use of non-renewable primary energy resource.

Parameters describing resource use, secondary materials and fuels, use of water

			SM	RSF	NRSF	FW
			kg	MJ net calorific value	MJ net calorific value	m^3
Product stage	Raw material supply	A1	AGG	AGG	AGG	AGG
	Transport	A2	AGG	AGG	AGG	AGG
	Manufacturing	A3	AGG	AGG	AGG	AGG
	Total (of product stage)	A1-3	0.00E+00	0.00E+00	0.00E+00	1.64E-01

SM = Use of secondary material;
RSF = Use of renewable secondary fuels;
NRSF = Use of non-renewable secondary fuels;
FW = Net use of fresh water.

Other environmental information describing waste categories

			HWD	NHWD	RWD
			kg	kg	kg
Product stage	Raw material supply	A1	AGG	AGG	AGG
	Transport	A2	AGG	AGG	AGG
	Manufacturing	A3	AGG	AGG	AGG
	Total (of product stage)	A1-3	7.92E-02	2.44E-01	4.87E-05

HWD = Hazardous waste disposed;
NHWD = Non-hazardous waste disposed;
RWD = Radioactive waste disposed.

Other environmental information describing output flows – at end of life

			CRU	MFR	MER	EE
			kg	kg	kg	MJ per energy carrier
Product stage	Raw material supply	A1	AGG	AGG	AGG	AGG
	Transport	A2	AGG	AGG	AGG	AGG
	Manufacturing	A3	AGG	AGG	AGG	AGG
	Total (of product stage)	A1-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CRU = Components for reuse;
MFR = Materials for recycling;
MER = Materials for energy recovery;
EE = Exported energy.

Additional information

References

BSI. Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products. BS EN 15804:2012+A1:2013. London, BSI, 2013.

BSI. Environmental labels and declarations – Type III Environmental declarations – Principles and procedures. BS EN ISO 14025:2010 (identical to ISO 14025:2006). London, BSI, 2010.

BSI. Environmental management – Life cycle assessment – Principles and framework. BS EN ISO 14040:2006. London, BSI, 2006.

BSI. Environmental management – Life cycle assessment – Requirements and guidelines. BS EN ISO 14044:2006. London, BSI, 2006.

CEN. Resilient Floor Coverings - Determination Of Overall Thickness. EN 428 : 1993 Brussels, CEN. 1993.

ISO 1183-1:2019 Plastics -- Methods for determining the density of non-cellular plastics -- Part 1: Immersion method, liquid pycnometer method and titration method

ISO 527-1:2012 Plastics -- Determination of tensile properties -- Part 1: General principles

ISO 179-1:2010 Plastics -- Determination of Charpy impact properties -- Part 1: Non-instrumented impact test

ISO 178:2019 Plastics -- Determination of flexural properties

ISO 868:2003 Plastics and ebonite -- Determination of indentation hardness by means of a durometer (Shore hardness)

DIN 53752 Testing of plastics; determination of the coefficient of linear thermal expansion

DIN 53421 Testing of rigid cellular plastics; compression test

ISO 306:2004 Plastics -- Thermoplastic materials -- Determination of Vicat softening temperature (VST)

ISO 75-2:2013 Plastics -- Determination of temperature of deflection under load -- Part 2: Plastics and ebonite

ISO 62:2008 Plastics -- Determination of water absorption

DIN 52612-2:1984, Testing of thermal insulating materials; determination of thermal conductivity by means of the guarded hot plate apparatus; conversion of the measured values for building applications

DIN IEC 60 167:1993-12, Methods of test for insulating materials for electrical purposes; insulation resistance of solid materials

DIN IEC 60093:1993-12, Methods of test for insulating materials for electrical purposes; volume resistivity and surface resistivity of solid electrical insulating materials

DIN EN 60243-1:2014-01, Electric strength of insulating materials - Test methods - Part 1: Tests at power frequencies

DIN 53483-1:1969, Testing of Insulating Materials; Determination of Dielectric Properties; Definitions, General Information

University of Kentucky
Procurement Services

SUBSTITUTION REQUEST

(During the Bid Period)

Project: CTC - Vault Radiation Shielding System

Substitution Request Number:

From: Treva Cannon - Summit Lockers

To: Ken Scott

Date: 12/02/2024

University of Kentucky Construction Procurement

A/E Project Number: UK-2563.30-12-25

Re:

Contract For:

Specification Title: 105129 Phenolic Lockers

Description: Phenolic Lockers

Section: 105129 Page: 105129 - 1 - 7

Article/Paragraph:

Proposed Substitution: Summit Lockers - Phenolic Lockers

Manufacturer: Summit Lockers Address: 138 McLeod Road Columbia, SC 29203 Phone: (803) 941-7087

Trade Name: Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.

Submitted by:

Signed by: Taylor Whalen Digitally signed by Taylor Whalen DN: cn=Taylor Whalen, c=US, o=Summit Lockers, Inc., email=taylor@summitlockers.com Date: 2024.12.02 16:51:38 -05'00'

Firm: Summit Lockers

Address: 138 McLeod Road

Columbia, SC 29708

Telephone: (803) 942-7087

A/E's REVIEW AND ACTION

☐ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☒ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution rejected - Use specified materials.

The Summit Lockers Substitution request is acceptable and meets the specifications for different types required. Laminate colors must match the color listed in the MAT-ID.

Signed by: Bill Ryan Date: 5/1/2025

Supporting Data Attached: ☐ Drawings ☒ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

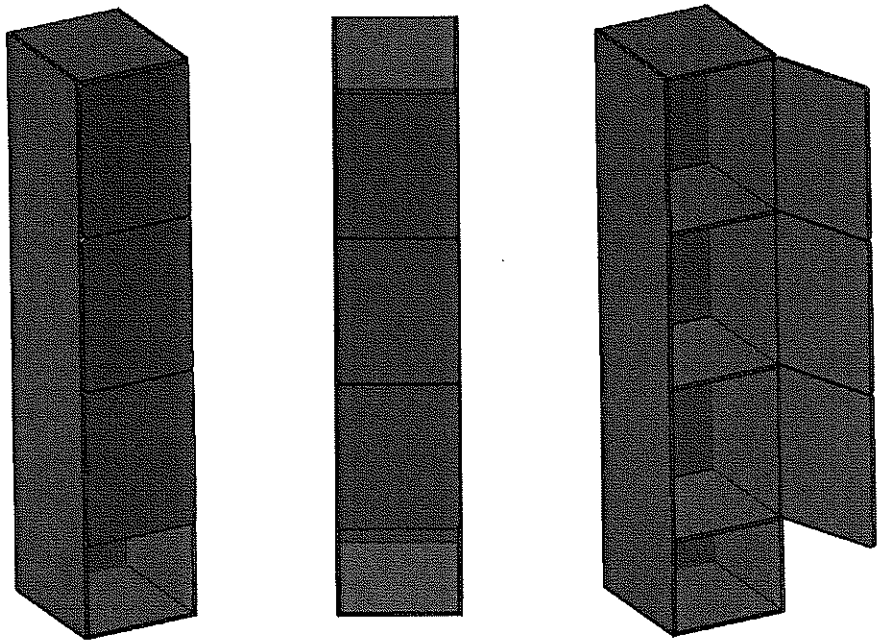
Created: June 20, 2024

Clear Form

SUMMIT LOCKERS

PHENOLIC INTEGRAL CUBBY LOCKER

Completely Customizable | Durable | Low Maintenance | Luxurious Look



Summit's Cubby Locker is built with an integral cubby applied to single, double, triple, or z-tier lockers

Mortised Joints

Mortise and tenon joints lock pieces together using stainless steel screws for superior strength and durability.

Ventilation

Our lockers are designed with ventilation in mind with space around the doors to provide multi-directional ventilation.

Overlay Doors

Full sized / overlay doors increase the usable size of each locker for optimal usage.

Hygienic

Non-porous surfaces which make Summit's lockers safe and easy to clean.

Water Resistant

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INNOVATIVE LOCKERS

Standard Details

Construction

Mortise and Tenon Joints
Stainless Steel Fasteners
Full Overlay Doors
Dual Mounting Cleats
Multi - Directional Ventilation

Material Thickness

Top, Bottom & Shelves - White - 3/8"
Sides & Backs - White - 5/16"
Doors & Trim - Std. Colors - 1/2"

Sizes

Height - 60" locker over 12" Cubby
60" locker over 24" Cubby
72" locker over 12" Cubby
Width - 12", 15", 18"
Locker Depth - 12", 15", 18", 20"

Hinges

Concealed 6-Knuckle Stainless Steel

Lock

Hasp for padlock

Fire Rating

Class B & Class A

Base

Integral Base
Adjustable Legs / Toe Kick
Base By Others

Top

Flat Unfinished
Finished Flat
Sloped

Options

Material Thickness

3/8" sides and shelves
3/8" sides and ½" shelves
1/2" sides and shelves

Sizes

Custom sizes available upon request.

Hinges

180° Hinge/ADA Compliant
Continuous Stainless Steel
Euro Hinge

Lock Vendors

DigiLock®
CODELOCKS®
ZEPHYR Lock®
Master Lock®
Lowe & Fletcher®
OMJAR®
Gantner®

Fire Rating

Class A

Top

Sloped
Flat Finished
Front Facial

Color

White Body/Interior & Specified Door Color
- (or) -
Multiple Color Option for Providing Color Body

Other

Logo Engraving
Stay Closed Door Magnets
Stainless Steel Coat Rod or Hooks
Custom Door Pulls
Closed Bottom
Adjustable Shelves

Don't see your option listed? Just ask. All locker orders are tailored to fit your needs.

FOR YOUR NEXT PROJECT, PLEASE CALL 803-403-8816,
YOU MAY ALSO EMAIL YOUR QUESTIONS TO INFO@SUMMITLOCKERS.COM

SUMMIT LOCKERS

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PHENOLIC LOCKER LOCK OPTIONS

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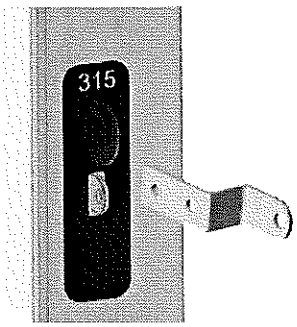
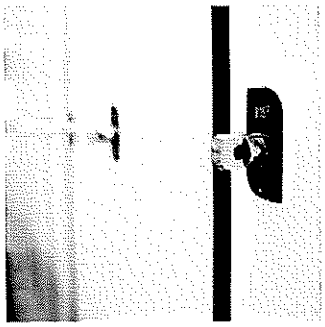
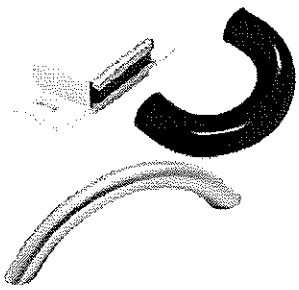
HASP LOCKS / MAGNET & PULLS



Summit Std. Hasp

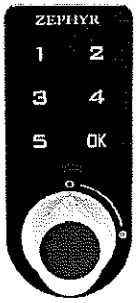


OJMAR Lockr Hasp

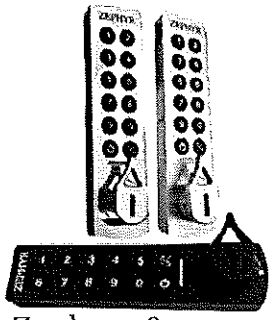


Magnetic Door Pull

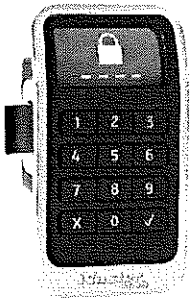
DIGITAL LOCKS



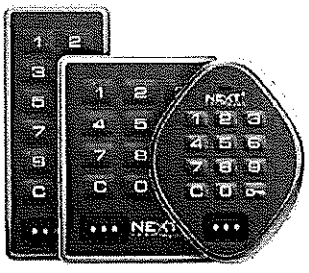
Zephyr 2710



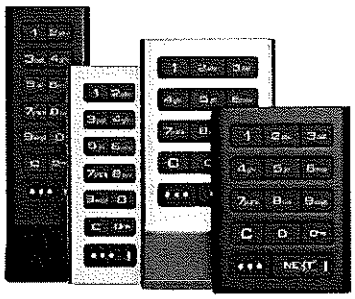
Zephyr 2800



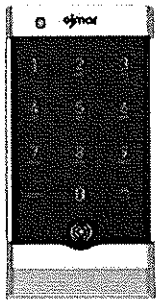
Masterlock 3685



Digilock Range



Digilock Axis



OJMAR OCS Smart

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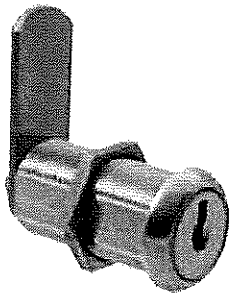
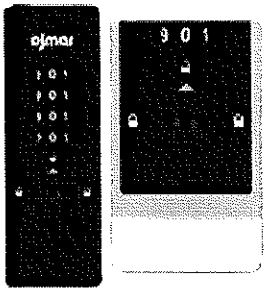
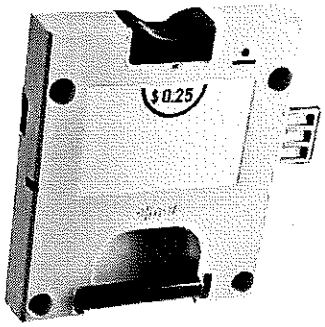
MECHANICAL LOCKS



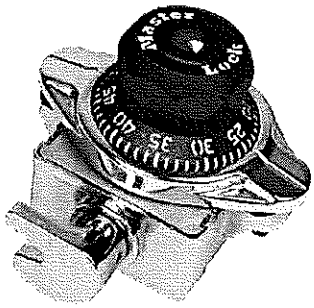
Key Lock



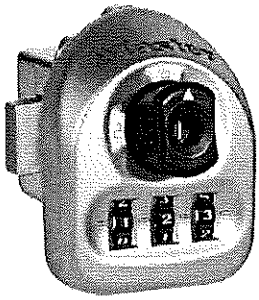
OJMAR Combi Pro



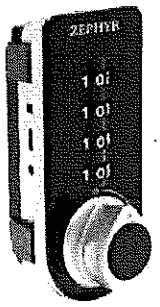
OJMAR Coin Locks



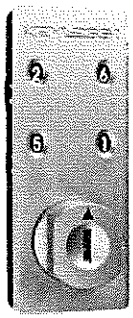
Masterlock 1690



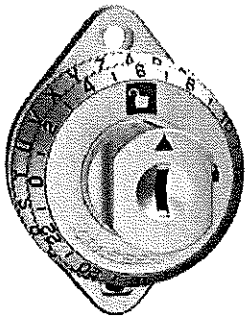
Masterlock 3670



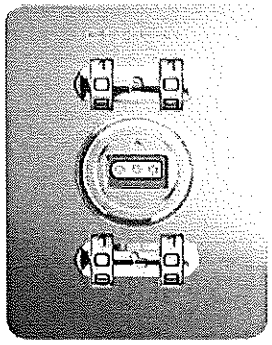
Zephyr 3710



Keyless1



Keyless360



Digilock Cleo

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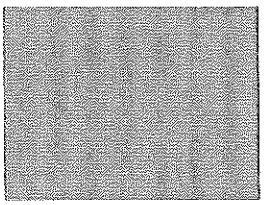
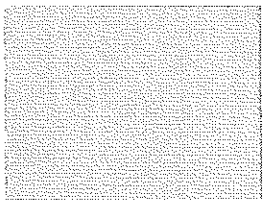
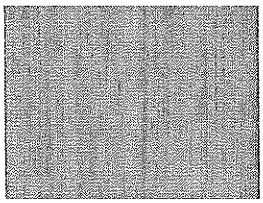
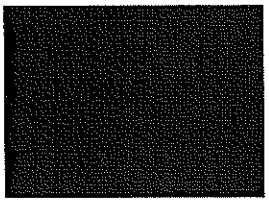
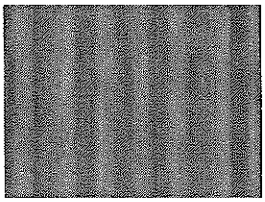
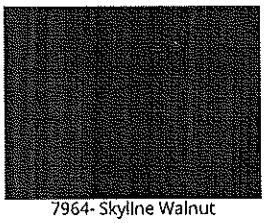

7938- New Aged Oak

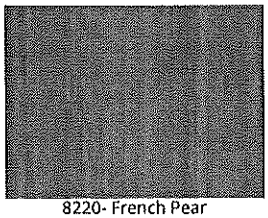

7911- Manitoba Maple

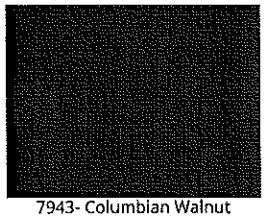

7981- Landmark Wood

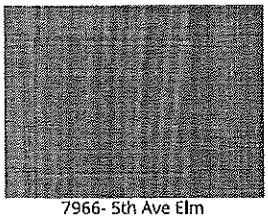

7949- Asian Night

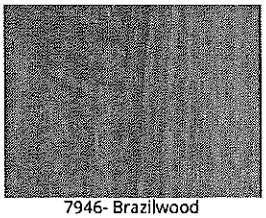

7987- Palisades Oak

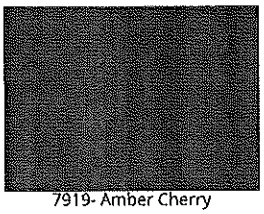

7964- Skyline Walnut

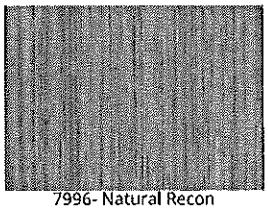

8220- French Pear


7943- Columbian Walnut

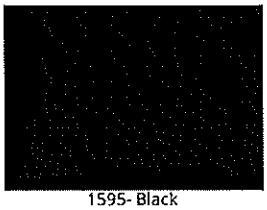

7966- 5th Ave Elm

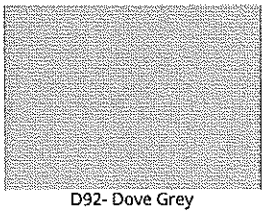

7946- Brazilwood

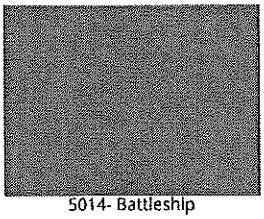

7919- Amber Cherry

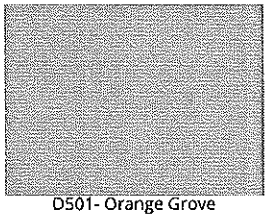

7996- Natural Recon

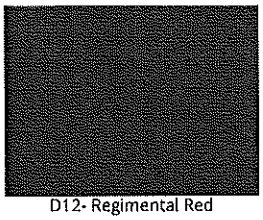
1573- Frosty White

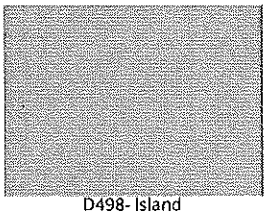

1595- Black

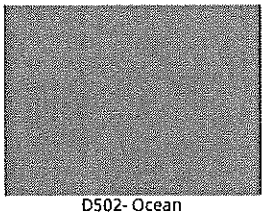

D92- Dove Grey

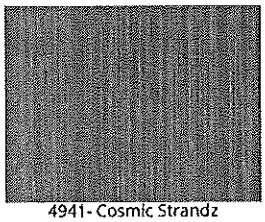

5014- Battleship


D501- Orange Grove

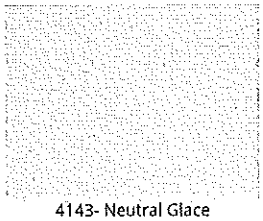

D12- Regimental Red

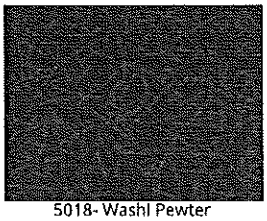

D498- Island

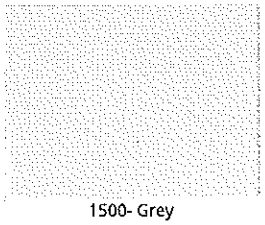

D502- Ocean

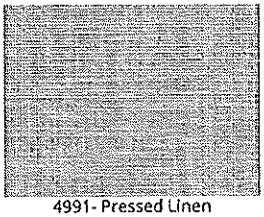

4941- Cosmic Strandz

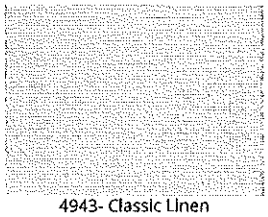
4939- Vapor Strandz

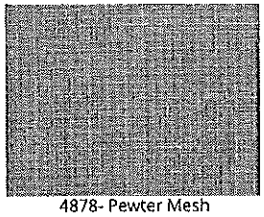

4143- Neutral Glace

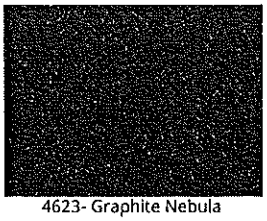

5018- Washi Pewter

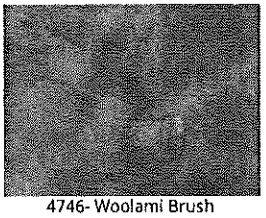

1500- Grey


4991- Pressed Linen


4943- Classic Linen


4878- Pewter Mesh


4623- Graphite Nebula


4746- Woolami Brush

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SUMMIT LOCKERS

Summit Lockers Inc., 138 McLeod Road, Columbia, SC 29203, www.summitlockers.com

Section 10 51 29
Phenolic Lockers

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Phenolic Lockers
B. Phenolic Benches

1.2 RELATED REQUIREMENTS

A. Project drawings, meetings, and general provisions of the contract. This includes but is not limited to general materials, supplementary materials, and material testing.

1.3 SUBMITTALS

A. Comply with procedures and quantities as indicated in Division 1 'Submittal Procedure Section'.
B. Shop Drawings: Submit shop drawings indicating room sizes, layout, locker dimensions, material thickness, trim, hardware, finishes, locks, base, doors, accessories, and installation details.
C. Product Data: Submit manufacturer's technical data for materials, fabrication, finishing, fastenings, hardware, and installation details.
D. Samples: Submit samples of edge details, colors, patterns, finishes, and textures.

1.4 QUALITY ASSURANCE

A. Qualifications:
   1. Fabricator shall be capable of providing field service representation.
   2. Installer shall be approved by the manufacturer and have experience in performing work of similar size and scope.
   3. Parts shall be structurally sound and clear of defects, in material as well as construction covered under the full warranty period.
B. Pre-Installation Meeting: Conduct pre-installation meeting prior to installation to verify project requirements and conditions.

1.5 DELIVERY, STORAGE, and HANDLING

A. Storage and Handling: Store materials in an enclosed shelter providing protection from damage, temperature, humidity, and exposure to the elements.
B. Delivery: Deliver materials in the manufacturer's original protective packaging and store lockers until ready for installation.

1.6 PROJECT CONDITIONS AND COORDINATION

A. Field Measurements: Before material fabrication, verify actual field measurements and show actual measurements on shop drawings.
B. Coordination: Coordinate field measurements with fabrication schedule and construction progress to avoid construction delays.

1.7 WARRANTY

A. Manufacturer's Warranty: Manufacturer agrees to replace phenolic locker components that fail in materials or workmanship within specified warranty period.
   1. Submit executed copy of Summit Lockers 20-year warranty against defects in material signed by an authorized representative of Summit Lockers.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Phenolic Lockers
   1. Basis of Design: Drawings and specifications are based on Summit Phenolic Lockers; 138 McLeod Road, Columbia, SC 29203, Phone: (803)403-8816, Email: info@summitlockers.com
   2. Substitutions: Not permitted.

2.2 MATERIALS

A. Decorative papers impregnated with a melamine resin on faces with a clear protective overcoat and integrally compression molded within a core consisting of solid phenolic impregnated kraft papers.
   1. Fire Rating: Core or panel material shall meet fire Class B resistance per ASTM E84. Class A per ASTM E84 is available upon request.
B. Material Thickness:
   1. Doors, End Panels, Filler Panels, Sloped Top – 1/2" (13mm)
   2. Tops, Bottoms, Shelves – 3/8" (10mm)
   3. Sides, Backs – Minimum 5/16" (8mm)
   4. Wall Mounting Cleats – 1/2" (13mm)
C. Locker Bodies:
   1. Solid phenolic composite material with ventilation holes.

2. Mortise and Tenon Joints: All tops, bottoms, and shelves use mortised joints and are secured with mechanical fasteners.
3. Exposed Edges: Straight profile; eased edges to remove sharpness, machine polished and free from tooling imperfections.
4. Body Color: Summit's standard Frosty White unless other color specified.
5. Door Color: As selected by architect.

D. Locker Doors:
1. Full overlay, covering full width and height of locker body; eased edge corners.
2. Door Fastening: Blind fastening unless through bolts are requested.
3. Door Color: As selected by Architect from manufacturer's full range of standard colors.

2.3 HARDWARE

A. Hinges: Concealed 6-Knuckle Stainless Steel hinge. Opens 90°. Include three (3) hinges for doors > 36" tall or two (2) for all other heights.
B. Hooks: (2) Stainless Steel hooks per opening for all openings 30" tall or greater. Plastic and nylon are not acceptable.
C. Fasteners: All fasteners shall be Stainless Steel.
D. Locks: Stainless Steel hasp bar for customer supplied padlock.
1. Other locks as specified. Options include but are not limited to: Digital Day Use, Digital Assigned Use, Mechanical Day Use, Mechanical Assigned Use, Key Lock, Coin Retain Lock, Coin Return Lock, Combination Lock, Card Locks, Smart Locks.

E. Number Identification Plates:
1. Material: 1.75" x 6.25" black plastic with reverse engraved numbers and surface mounted with permanent adhesive.
2. Fonts to be a minimum of ½" high and up to four characters.
3. Numbering sequence to be provided by Architect.

2.4 VENTILATION

A. Vertical Ventilation: Provide six 5/16" (8mm) diameter ventilation holes on tops, bottoms, and intermediate shelves. Provide three 5/16" (8mm) diameter ventilation holes on "Z" type intermediary shelves.
B. Horizontal Ventilation: Provide ventilation around the edge of the door equal to at least 1.43 square inches of ventilation surface area per linear foot of door perimeter.

2.5 BENCHES

A. Phenolic Benches: Decorative papers impregnated with a melamine resin on faces with a clear protective overcoat and integrally compression molded within a core consisting of solid phenolic impregnated kraft papers.

1. Bench Tops: ¾" thick solid phenolic composite material
2. *Choose all that apply*:
    i. Powder coated steel pedestal locker bench: 3/4'' thick by 12" wide solid phenolic top installed on powder coated steel pedestals.
    i. Stainless steel pedestal locker bench: 3/4'' thick by 12" wide solid phenolic top installed on stainless steel pedestals.
    ii. ADA pedestal locker bench: 3/4'' thick, 24" wide by 48" long solid phenolic top installed on four (4) black powder coated aluminum pedestals.
    iii. ADA pedestal locker bench: 3/4'' thick, 24" wide by 48" long solid phenolic top installed on four (4) stainless steel pedestals.
    iv. ADA pedestal locker bench with backrest: 3/4'' thick, 24" wide by 48" long solid phenolic top installed on two (2) stainless steel pedestal brackets.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Examine site conditions before locker installation. Notify architect of unacceptable areas.
B. Do not install lockers until unacceptable conditions have been corrected.

3.2 INSTALLATION

A. Install lockers in locations as shown on shop drawings per manufacturer's instructions.
B. Install lockers installed secured, plumb, level, square, and flush. Base by others must be flat and level.
C. Install all required trim, fillers, end panels, and closures per manufacturer's instructions.
D. Use hardware supplied or recommended by the manufacturer.
E. Attach number plates to doors as indicated on shop drawings.
F. Correct and/or replace damaged components as directed by architect.

3.3 ADJUSTMENT

A. Adjust doors and locks for smooth operation without binding.
B. Lubricate door hinges and locks per manufacturer's instructions.

3.4 CLEANING

A. Clean all surfaces in accordance with manufacturer's instructions. Do not use abrasive cleaners.
B. Dry surfaces with a soft, clean, non-abrasive cotton cloth.

END OF SECTION 10 51 29

University of Kentucky
Procurement Services

SUBSTITUTION REQUEST

(During the Bid Period)

Project: CTC + AAC BP08 Fit Out Group 2

To: CCK Bid Questions
KEN Scott

Re: Window Film

Substitution Request Number: 1

From: GLARE CONTROL, Inc.

Date: 4-8-25

A/E Project Number: CCK-2563.30-18-25

Contract For: Window Film

Specification Title: Decorative Glass Glazing

Description: Window Film-08811.3

Section: PART 2 Page: 5

Article/Paragraph: I

Proposed Substitution: Ultra 800

Manufacturer: 3M Address: 3M Center, St. Paul MN 55144 Phone: 800-364-3577

Trade Name: 3M Window Film Model No.: Ultra 800

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.

Submitted by: Windy Beasley

Signed by: Windy Beasley

Firm: GLARE CONTROL

Address: 863 Bennett Ave
Lexington, Ky 40508

Telephone: 859-254-8468

A/E's REVIEW AND ACTION

☒ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: Bill Ryan Champlin EOP Date: 4/14/25

Supporting Data Attached: ☐ Drawings ☒ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

University of Kentucky
Procurement Services

SUBSTITUTION REQUEST

(During the Bid Period)

Project: UK Healthcare - Cancer Treatment and Advanced Ambulatory Center

Substitution Request Number:

From: Derek Koester - Stevens Industries, Inc.

To: Ken Scott - UK Health

Date: 04/25/2025

A/E Project Number: HGC No. 3776-003-00

Re: Casework Drawer Slides - Brand

Contract For: Trade Category 06A.8 - Interior Finish Carpentry

Specification Title: Plastic-Laminate-Clad Architectural Cabinets

Description: Basis of Design - Accuride Brand Model 3634EC

Section: 064116 Page: 6

Article/Paragraph: 2.4 Cabinet Hardware / Paragraph F

Proposed Substitution: Fulterer USA Brand Soft Close Drawer Slides - Model FR5001.ECD

Manufacturer: Fulterer USA, Inc. Address: 542 Townsend Avenue High Point, NC 27263-4552 Phone: (336) 431-4646

Trade Name: Fulterer Model No.: FR5001.ECD

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.

Submitted by: Derek Koester - Director of Sales Casework and Millwork Division

Signed by: Derek Koester

Firm: Stevens Industries, Inc.

Address: 704 West Main Street
Teutopolis, IL 62467

Telephone: (217) 857-7138

A/E's REVIEW AND ACTION

- [X] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: Bill Ryan

Date: **4/20/2025**

Supporting Data Attached: [X] Drawings [X] Product Data [ ] Samples [ ] Tests [ ] Reports [ ]

Request For Information RFI #:	From: Stevens Industries, Inc.	
	RFI Requester: Derek Koester	RFI Date: April 25, 2025
Requested: Drawer Slide Hardware	To:	
Reference: Plastic-Laminate-Clad Architectural Cabinets	RFI Responder:	RFI Date Responded:

Requested Information:

Project Specification Section Plastic-Laminate-Clad Architectural Cabinets - Section 064116, page 6, Item 2.4 Cabinet Hardware / Paragraph F, calls for "Full Extension, Zinc-plated ball bearing slides carrying a 100lb rating as manufactured by Accuride (Model 3634EC).."

Stevens Industries, Inc. would like to propose the use of the Stevens Advantage Full Extension Slide. This design, engineered by Fulterer USA, comes with a 100lb load rating, but are actually tested to 120lbs per ANSI/BIFMA X5.5 Section 7. The Fulterer USA Drawer Slides come with a lever disconnect for easy drawer removal, hold/close function, and Extended Warranty. The proposed Drawer Slide substitution will provide a significant cost savings to the project. Stevens Industries also utilizes a 200lb load rated Drawer Slide on all lateral file drawers.

Please find the attached Stevens Industries, Inc. - Drawer Slide Documentation for more information regarding Product Data. I have also attached Stevens industries' - Engineering File Box Details Documentation, showing the maximum weight that fully loaded file drawer box will weigh vs. the corresponding Drawer Slide capacity being utilized by Stevens Industries. According to the data, a Drawer Slide with a 100lb load capacity rating easily exceeds the 69.4lb and 86.4lb Letter and Legal File Box Requirements.

The 200lb load capacity rating for Lateral File Drawers also easily exceeds the 140.1lb Lateral File Box Requirement.

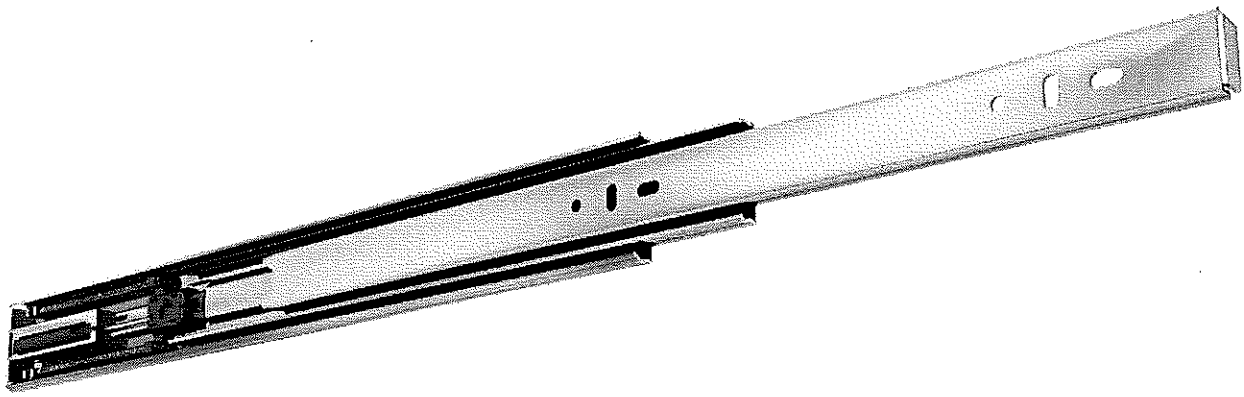
Project Profiles

Response:

Proposed Substitution

ECD

FR 5001 ECD | Full Extension Ball Bearing Slide



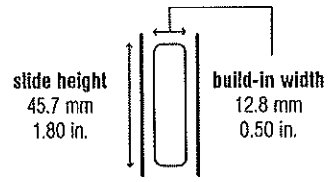
Specifications

- side mount
- 12.8 mm / 0.50 in.
- dynamic up to 45 kg / 100 lbs.
- ball bearing cages
- steel, zinc plated
- +5 °C to +40 °C
  +41 °F to +104 °F

Characteristics

- pitch 32 mm (1.26 in.) compatible hole locations
- drawer profile with disconnect release trigger
- tolerance absorbing mounting tabs

Dimensions



Length		Extension		Weight per set		Item No. zinc plated
mm	inch	mm	inch	kg	lbs.	
300	11.81	245	9.65	0.90	1.98	5061
355	13.98	350	13.78	1.05	2.32	5062
405	15.95	400	15.75	1.20	2.65	5063
450	17.72	450	17.72	1.36	3.00	5064
500	19.69	500	19.69	1.51	3.33	5065
550	21.65	550	21.65	1.61	3.55	5066
600	23.62	600	23.62	1.81	3.99	5067
650	25.59	650	25.59	1.97	4.34	5068
700	27.56	700	27.56	2.13	4.70	5069

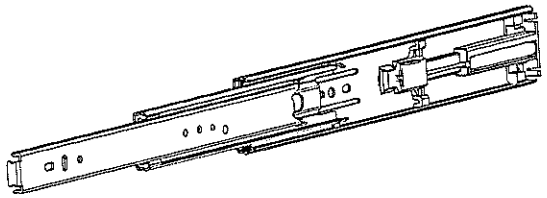
Packing Unit – Sets per Box, all Lengths: 10

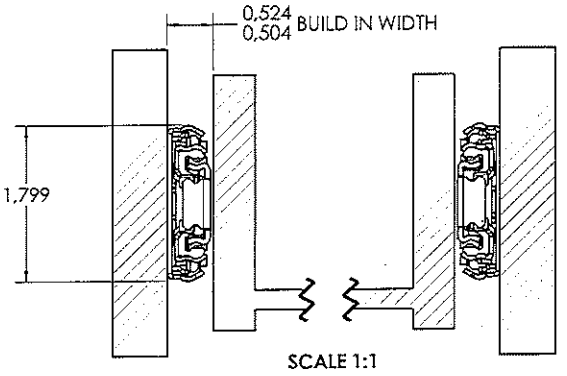
Fulterer

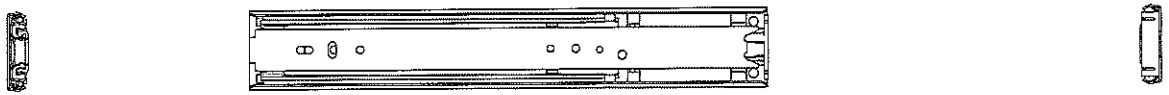
Proposed Substitution

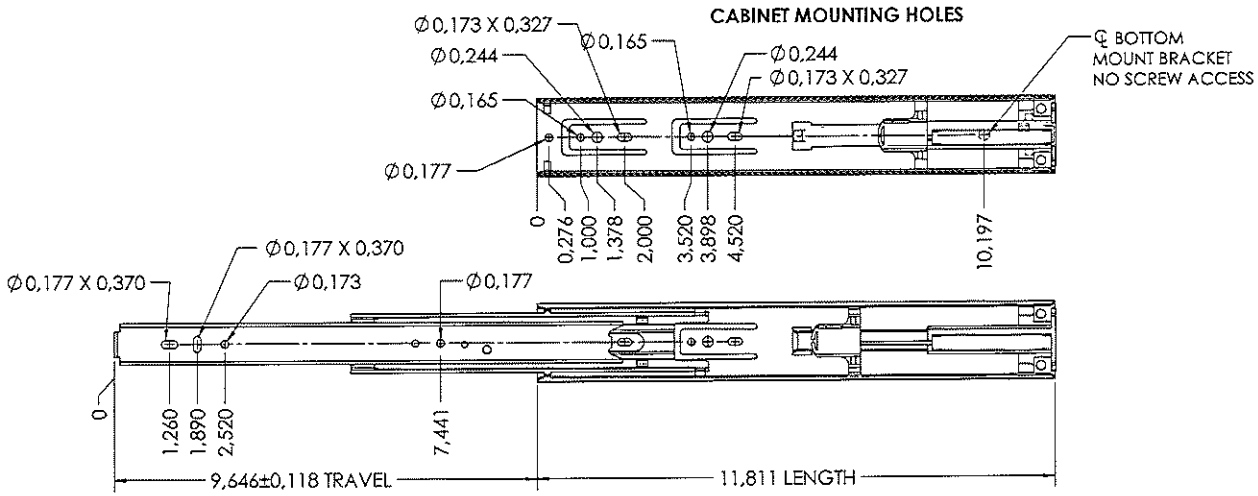
5001.300-GA.T001

X









ECD SPRING FORCE: 16N ± 2N PER SLIDE

RECOMMENDED HARWARE:

CABINET- 3.5MM SPAX M4 BUTTON HEAD OR #8 TRUSS HEAD SCREW

DRAWER- 3.5MM SPAX M4 BUTTON HEAD OR #8 TRUSS HEAD SCREW

general tolerances	missing dimensions see 3D = theor. intersection
ISO 2768-m	

covered according to DIN ISO 16016

(k)				scale: 1:2	surface:	material, semi finished parts: STEEL (technical requirements Fulterer) A2
(j)						
(i)					date / name	
(h)				drawn	29-10-2018 / HB	description: SIDE MOUNT FULL EXTENSION DRAWER SLIDE WITH SOFT-CLOSE & DRAWER DISCONNECT
(g)				proven	00-00-0000 / 00	
(f)						
(e)						
(d)						
(c)						
(b)						
(a)	0	00-00-0000	D	Fulterer AG & Co KG A-8800 Lusznau / Austria; Fulterer AG CH-8430 St. Margrethen		drawing number: 5001.300-GA.T001
ind.	changes	date	ns.			replaces version data:

Fulterer

Datalog, 11. October 2022 10:21:04 - markus.zoeller

Specified Drawer Slide

3634/3634EC

QUICK REFERENCE

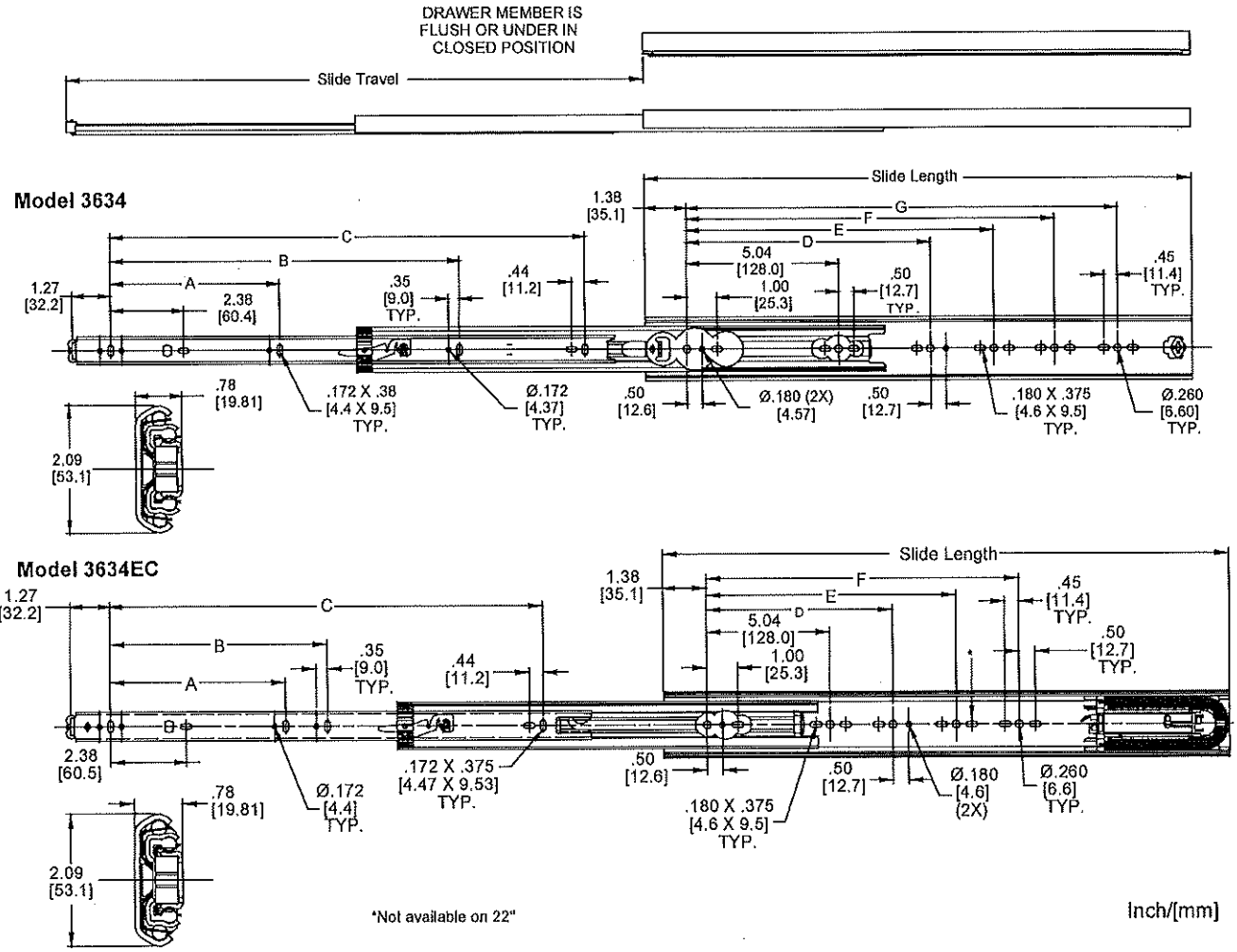
Drawer size:	1 9/16" less than the cabinet opening	
Lengths:	3634:	12"–28"
	3634EC:	14"–28"
Height:	2.09"	
Load Rating:	3634:	200 lbs.*
	3634EC:	175 lbs.*

Accuride®

MODEL 3634/3634EC

Heavy-Duty Over Travel Slides
3634EC includes Easy-Close
3634 Hold-in Detent Feature

APPLICATIONS: Wider drawers and trays used for storage in retail fixtures, restaurants, medical facilities and business offices, as well as residential kitchens, garages, and more.



Finishes: Clear zinc (C)
Black electroplate (CB)

Lengths: **3634:** 12"–28" [305 mm–711 mm]
3634EC: 14–28" [355 mm-700 mm]

Height: 2.09" [53.1 mm]

Load Rating: **3634:** Side mount: 200 lbs. [91 kg] per pair*
Flat mount: 75 lbs. [34 kg] per pair*
3634EC: Side mount only: 175 lbs. [79 kg]**

Travel: 1" [25.4mm] over travel
Note: 3634-14" Full travel

Side Space: .78 +.000/-.02 [19.8 mm +0/-.5]

Recommended Drawer Size: 1-9/16" [39.69 mm] less than the cabinet opening.

Disconnect: Handed lever disconnect

Mounting: **3634:** side or flat mount
3634EC: side mount only

Hardware: Flat head 6 mm Euro System screw or #8 pan head screw

Ball Bearings: Carburized Steel

Features: **3634:** Hold-in detent to prevent drawer rollout and bounce-back; In and out stops silenced for quiet operation.

3634EC: Easy-Close brings drawer to a smooth, gentle close; out stop silenced for quiet operation.

* Side mount testing based on 22" slides on a 42" wide drawer, cycled 50,000 times.
** Flat mount testing based on 22" slides on a 24" wide drawer, cycled 15,000 times.

P/N	Slide Length	Slide Travel	A	B	C	D	E	F	G
3634-12	12.00 [304.8]	13.00 [330.2]			9.60 [243.8]	8.82 [224.0]			
3634-14 3634EC-14	14.00 [355.6] 14.00 [355.6]	15.00 [381.0] 14.00 [355.6]	— 5.58 [141.8]		11.60 [294.6] 9.74 [247.4]	8.82 [224.0] —			
3634-16 3634EC-16	16.00 [406.4] 16.00 [406.4]	17.00 [431.8] 17.00 [431.8]	— 5.58 [141.8]		13.60 [345.4] 11.74 [298.2]	8.82 [224.0] —			
3634-18 3634EC-18	18.00 [457.2] 18.00 [457.2]	19.00 [482.6] 19.00 [482.6]	5.58 [141.8] 5.58 [141.8]	13.12 [333.2] —	15.60 [396.2] 14.74 [349.0]	8.82 [224.0] 8.82 [224.0]	13.86 [352.0] —		
3634-20 3634EC-20	20.00 [508.0] 20.00 [508.0]	21.00 [533.4] 21.00 [533.4]	5.58 [141.8] 5.58 [141.8]	13.12 [333.2] 13.12 [333.2]	17.60 [447.0] 15.74 [399.8]	8.82 [224.0] 8.82 [224.0]	13.86 [352.0] —		
3634-22 3634EC-22	22.00 [558.8] 22.00 [558.8]	23.00 [584.2] 23.00 [584.2]	5.58 [141.8] 5.58 [141.8]	13.12 [333.2] —	19.60 [497.5] 17.74 [450.6]	8.82 [224.0] 8.82 [224.0]	13.86 [352.0] —	18.90 [480.0] —	
3634-24 3634EC-24	24.00 [609.6] 24.00 [609.6]	25.00 [635.0] 25.00 [635.0]	5.58 [141.8] 5.58 [141.8]	16.40 [416.6] 16.40 [416.6]	21.60 [548.6] 19.74 [501.4]	8.82 [224.0] 8.82 [224.0]	13.86 [352.0] 13.86 [352.0]	18.90 [480.0] —	
3634-26 3634EC-26	26.00 [660.4] 26.00 [660.4]	27.00 [685.8] 27.00 [685.8]	5.58 [141.8] 5.58 [141.8]	16.40 [416.6] 16.40 [416.6]	23.60 [599.4] 21.74 [552.2]	8.82 [224.0] 8.82 [224.0]	13.86 [352.0] 13.86 [352.0]		21.42 [544.0] —
3634-28 3634EC-28	28.00 [711.2] 28.00 [711.2]	29.00 [736.6] 29.00 [736.6]	5.58 [141.8] 5.58 [141.8]	16.40 [416.6] 13.12 [333.2]	25.60 [650.2] 23.74 [603.0]	8.82 [224.0] 8.82 [224.0]	13.86 [352.0] 13.86 [352.0]	— 18.90 [480.0]	21.42 [544.0] —

Installation Instructions

IMPORTANT: Drawer Preparation: for optimal performance construct drawer 1-9/16" less than the cabinet opening.

Cabinet Member Installation – Side Mount

1. To separate slide members, extend slide to expose lever, actuate lever and remove drawer member.

   Install cabinet (large) member first. For applications with an overlay drawer front, refer to Figure 1 for conventional mounting. For applications with an inset drawer front, set the slide back the thickness of the drawer front plus 1/8" [3.2 mm].

32 mm System

1. Install cabinet members using 6 mm x 10 mm Euro screws. Be sure slides are parallel. Refer to Figure 1.1 for cabinet hole locations.

NOTE: Due to the heavy load capability and limitations of screw retention in wood products, Accuride recommends the use of two #10 screws, 3/4" long, at the front of the cabinet member and at least one at the rear. The hole pattern on the cabinet member matches Models 3832/3834.

Figure 1. 3634 Conventional Mounting – Cabinet

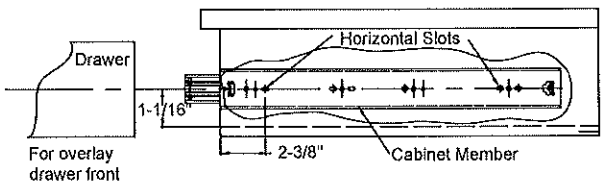


Figure 1.1. 3634 32mm System – Cabinet

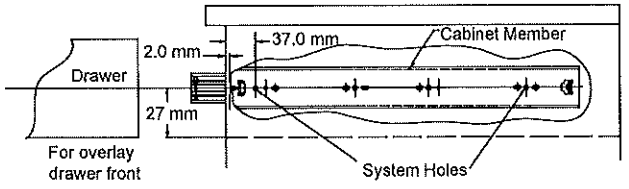


Figure 1. 3634EC Conventional Mounting – Cabinet

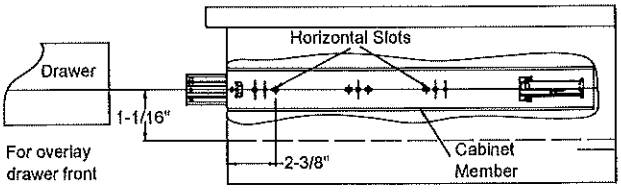
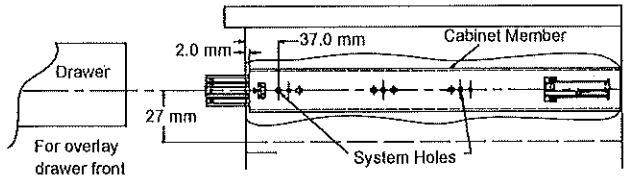


Figure 1.1. 3634EC 32mm System – Cabinet



Install Drawer Member

2. Mount inner member (smallest) to drawer using #8 slotted pan head screws. See Figure 1.2 and Figure 1.3. Leave all screws loose until final adjustment.
3. Before installing the drawer member into the cabinet, be sure the ball retainers in the cabinet are fully forward. Install drawer into cabinet. Close the drawer and cycle.
4. Adjust slide position until movement is smooth. Install additional set screws to secure and tighten to complete installation.

Figure 1.2. 3634 Drawer Member Installation – Conventional Mounting

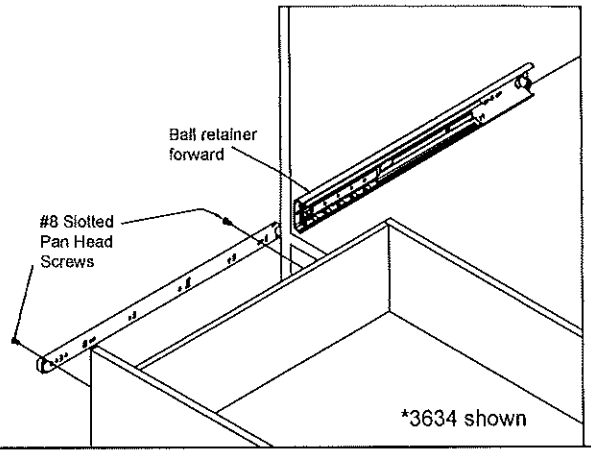
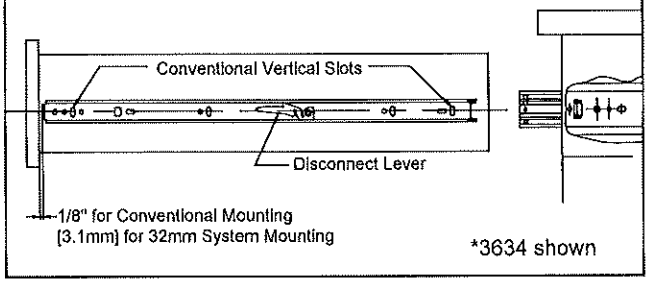


Figure 1.3. 3634EC Drawer Member Installation – Conventional Mounting



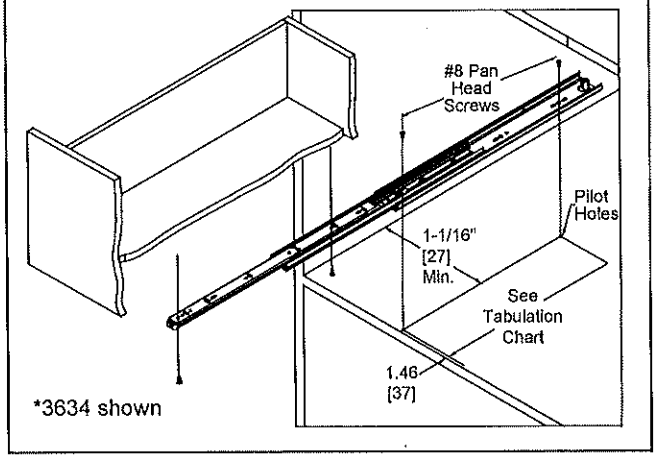
Under/Flat Mount Installation

1. Install cabinet members on cabinet floor, making sure slides are parallel. Secure in place. (Figure 2)
2. Position drawer members under drawer bottom 1/8" from the back of the drawer face (overlay drawer). Install screws through mounting holes into the bottom of the drawer.

Minimum Screw Length = Drawer Bottom Thickness - 1/16" (1/2" Drawer Bottom Thickness Minimum)

3. Before installing the drawer into the cabinet, be sure the ball retainer in the cabinet member is fully forward. Install drawer into cabinet. Close the drawer and cycle.

Figure 2. Under/Flat Mount Installation



Ordering Instructions

Complete your slide order for models 3634 and 3634EC specifying the following:

100 Pair C 3634 -18 EC D

- Total Required Slides
- Slide Finish
- Slide Model
- Slide Length
- Easy-Close Feature
- Optional Polybag Packaging

Packaging Options

Models 3634, 3634EC available in D-pack or bulk packaging.

Distributor (D) Pack: All lengths are packaged 5 pair per box. Polybag includes one pair of slides with mounting screws.

Bulk (P) Pack: All lengths are packaged 5 pair per box. Slides and screws are ordered and packaged separately.

Specifications

Slide members and ball retainers: Cold rolled steel
Ball bearings: Carburized steel

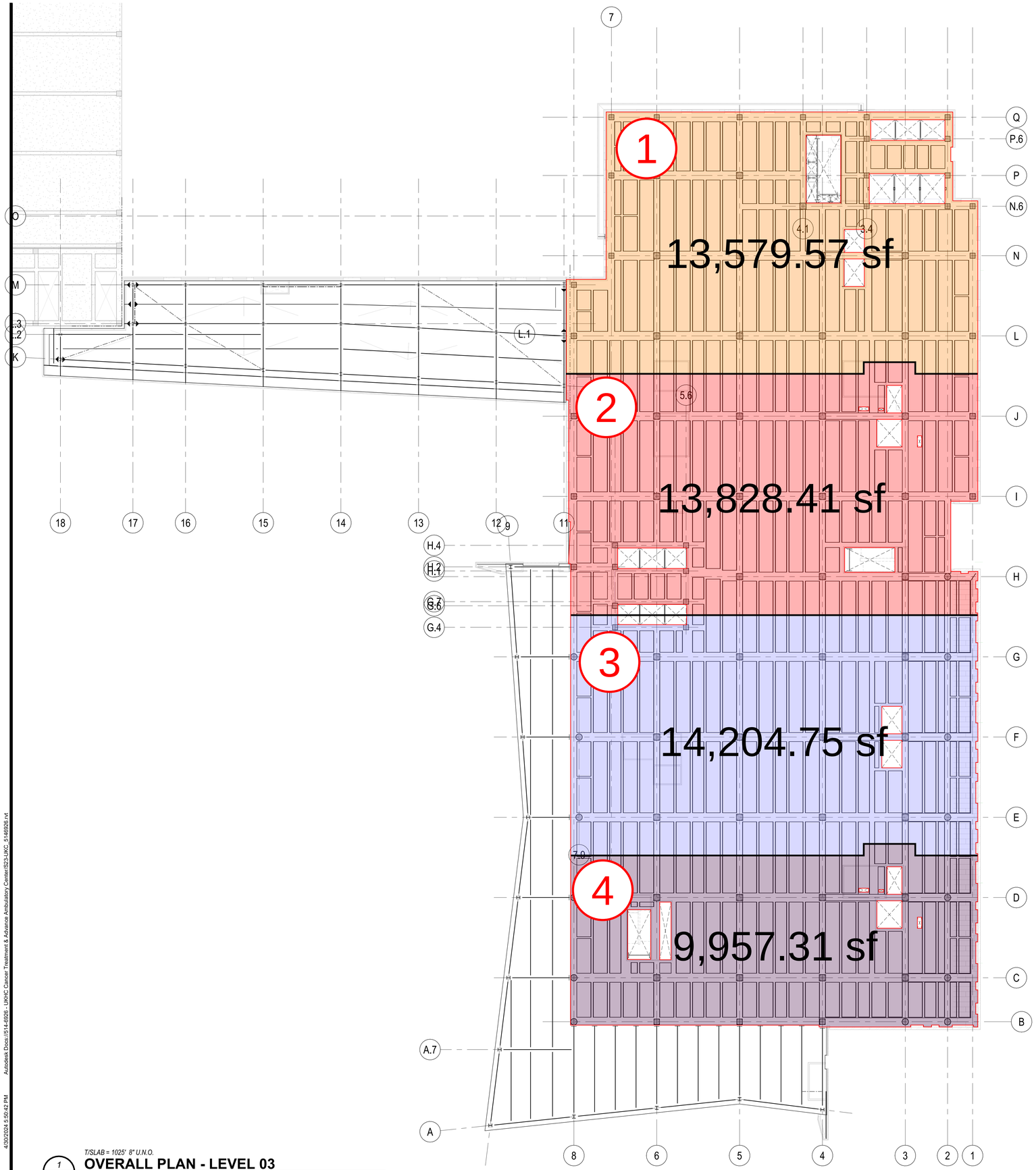
RoHS compliant

NOTE: Specifications, materials, prices, terms, and delivery are subject to change without notice.

Accuride

ACCURIDE INTERNATIONAL INC.
12311 Shoemaker Avenue
Santa Fe Springs, CA 90670
TEL (562) 903-0200
FAX (562) 903-0208

www.accuride.com
Manufacturing, Engineering, and Sales



Approximate Area
Designations for Schedule

AREA B North
AREA BN

AREA B South
AREA BS

AREA A North
AREA AN

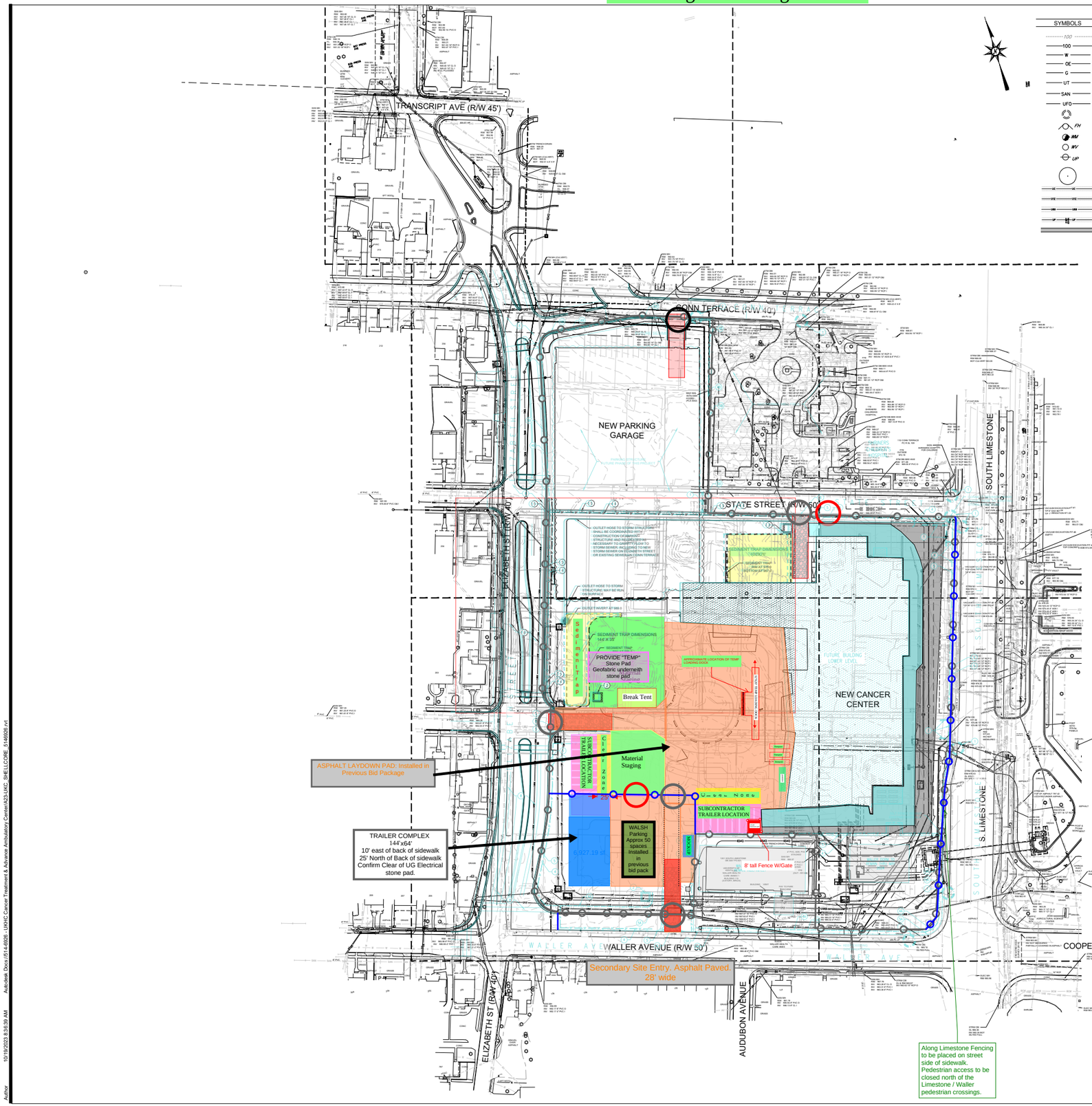
AREA A South
AREA AS

T/SLAB = 1025' 8" U.N.O.

1 / S203 **OVERALL PLAN - LEVEL 03**

1/16" = 1'-0"

Bid Package 7 Site-Logistics Plan



SITE LEGEND

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
100	EXISTING CONTOUR ELEVATION	X 520.0	EXISTING SPOT ELEV.
100	PROPOSED CONTOUR ELEVATION	520.0	PROPOSED SPOT ELEV.
W	WATER LINE		EDGE OF PAVEMENT
OE	ELECTRIC LINE		PROPERTY BOUNDARY
G	GAS LINE		EASEMENT
UT	UNDERGROUND TELEPHONE LINE	GM	GAS METER
SAN	SANITARY SEWER LINE		BENCH MARK
UFO	UNDERGROUND FIBER OPTIC		EXISTING FENCE
	MANHOLE	DND	DO NOT DISTURB
FH	FIRE HYDRANT		EXISTING COMMUNICATION LINE
WM	WATER METER		EXISTING COMMUNICATION DUCT BANK
WV	WATER VALVE		EXISTING ELECTRIC
UP	UTILITY POLE	STE	EXISTING STEAM LINE
	EXISTING TREE		EXISTING ELECTRIC HIGH VOLTAGE
UC	PROPOSED UNDERGROUND COMMUNICATIONS	OC	PROPOSED OVERHEAD COMMUNICATIONS
UKU	PROPOSED UNDERGROUND DISTRIBUTION (KU)	OKU	PROPOSED OVERHEAD TRANSMISSION (KU)
UKT	PROPOSED UNDERGROUND TRANSMISSION (KU)	OKT	PROPOSED OVERHEAD TRANSMISSION (KU)
UP	PROPOSED UNDERGROUND DISTRIBUTION (UK)		
	PROPOSED STORM DRAINAGE PIPING		

UTILITY PLAN NOTES:

1. WATER MAIN DESIGN AND INSTALLATION BY KENTUCKY AMERICAN WATER.
2. FIRE HYDRANT ASSEMBLY BY KENTUCKY AMERICAN WATER.
3. GAS MAIN DESIGN BY COLUMBIA GAS.
4. SEE SHEETS U300, U301 AND U302 FOR SANITARY SEWER PLAN AND PROFILE SHEETS.
5. SEE SHEET C100.2 AND C100.4 FOR STORM DRAINAGE PLAN, AREA 2 AND 4.
6. ELIZABETH STREET STORM DRAINAGE SYSTEM. SEE ELIZABETH STREET ROAD IMPROVEMENT PLANS.
7. NEW ELECTRIC/COMMUNICATION LINES. SEE SHEETS EU (BID PACKAGE 01) FOR INFORMATION.
8. NEW THERMAL UTILITIES. SEE SHEETS SU (BID PACKAGE 02) FOR INFORMATION.
9. NEW THERMAL TUNNEL/STRUCTURE. SEE SHEETS SU (BID PACKAGE 02) FOR INFORMATION.
10. UTILITIES INCLUDED IN SHEETS U200 THROUGH U205 REFER TO WATER, SEWER, NATURAL GAS AND STORM. OTHER PROPOSED UTILITIES ARE DETAILED ON OTHER DRAWINGS.

BEFORE YOU DIG:

KENTUCKY STATUTES (KRS 367.4903 THROUGH 367.4917) REQUIRE THAT ALL EXCAVATORS PLANNING EXCAVATION OR DEMOLITION WORK SHALL CALL ALL UTILITY COMPANIES IN THE AREA AND/PR AN UNDERGROUND PROTECTIONS SERVICE SUCH AS "BUD" (1-800-752-6007) NOT LESS THAN TWO (2) BUSINESS DAYS NOR MORE THAN TEN (10) BUSINESS DAYS PRIOR TO COMMENCING WORK TO NOTIFY UTILITY COMPANIES IN THE AREA WITH UNDERGROUND FACILITIES OF THE PLANNED EXCAVATION OR DEMOLITION ACTIVITIES.

PROJECT # 223026 Author Chris Deiss, Created 5/14/2024

BP-07 SITE LOGISTICS LEGEND

GREY SCALE INCLUDED IN PREVIOUS BID PACKAGES

- EARLY PHASED FENCELINE DURING CLEAR AND GRUB OF SITE INSTALLED DURING EARLIER PACKAGE
- PRIMARY SITE FENCELINE FOR MAJORITY OF JOB DURATION INSTALLED DURING EARLIER PACKAGE
- PHASED FENCELINE LOCATIONS. ASSUME ALL IN PLACE WHILE PRIMARY FENCELINE IS ALSO IN PLACE INSTALLED DURING EARLIER PACKAGE
- Electical Yard Fence
- SECURITY FENCING AND SEPERATION WITH TURNSTILES
- FENCE INSTALLED ALONG SOUTH LIMESTONE MOUNTED TO HEAD OF CURB TO BE INSTALLED AND COORDINATED WITH SITEWORK/DEMO CONTRACTOR AND CITY.
- PERMANENT VEHICLE GATE LOCATION INSTALLED DURING EARLIER PACKAGE
- SWPPP CONSTRUCTION ENTRANCES. LOCATIONS WILL SHIFT WITH SHIFTING FENCELINE AND GATE LOCATIONS. PREVIOUS PACKAGE
- WALSH TRAILER LOCATION INSTALLED IN PREVIOUS PACKAGE
- ASPHALT LAYDOWN AND WALSH PARKING LOT INSTALLED IN PERVIOUS PACKAGE
- STONE LAYDOWN INSTALLED IN PREVIOUS PACKAGE
- Area to be stabilized with 6" of stone and Geo Fabric THIS PACKAGE
- HAUL ROADS 20' WIDE 12" STONE OVER GEOTEXTILE FABRIS THIS PACKAGE
- APPROXIMATE LOCATION OF TURNSTILES FOR FOOT TRAFFIC TO ENTER SITE

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THP

AEI Affiliated Engineers

CMTA

OLIN

CARMAN LANDSCAPE ARCHITECTURE URBAN PLANNING CIVIL ENGINEERING

WALSH CONSULTING GROUP

bell engineering

CDM Smith

PIVOTAL lighting design

UK HEALTHCARE

Cancer Treatment Center + Advanced Ambulatory Center

LEXINGTON, KENTUCKY

UK Project Number 2563.0

ISSUANCES

No.	Description	Date
	12/18/23	

DRAWING TITLE

Site Logistics Plan

SHEET NO.

10/19/2023 8:38:39 AM

BELL #600-117

UK Cancer Center Construction Hoisting Logistics Concepts 9/20/24 for Bid

1 EXTERIOR PERSPECTIVE - VIEW FROM WEST

Big Buck
Concept Location

2 EXTERIOR PERSPECTIVE - VIEW FROM EAST

CHAMPLIN ARCHITECTURE
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HEALTHCARE

Cancer Treatment Center + Advanced Ambulatory Center

1220 Elizabeth St.
Lexington, KY 40536

UK Project Number 2563.0

ISSUANCES

No.	Description	Date
1	C&S 100 DD REVIEW	01/10/24

Construction Hoist Concept Sketch

1/10/2024 8:39:45 PM Autodesk Docs://5144606_UKHCS Cancer Treatment & Advanced Ambulatory Center/A23-UKCC SHELL CORE_5146026.rvt Author

1/10/2024 8:39:45 PM

UK Cancer Center Construction Hoisting Logistics Concepts 9/20/24 for Bid

Big Buck Concept Location

1 OVERALL - SOUTH ELEVATION
1/16" = 1'-0"

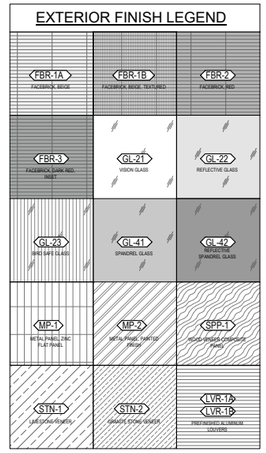
CUSTOM HOIST ELEVATION
REFER TO TRADE CATEGORY EXHIBIT B FOR SIZE AND SPEED REQUIREMENTS

DUAL HOIST ELEVATION
REFER TO TRADE CATEGORY EXHIBIT B FOR SIZE AND SPEED REQUIREMENTS

2 OVERALL - WEST ELEVATION
1/16" = 1'-0"

HOISTS STOP ALL LEVELS INCLUDING L0 AND TEMP DOCK LEVEL

EXTERIOR FINISH LEGEND



GENERAL NOTES - EXTERIOR ELEVATIONS

A. REFER TO OVERALL FLOOR PLANS FOR ADDITIONAL INFORMATION REGARDING EXTERIOR WALL TYPES AND MATERIALS.
B. ELEVATIONS OF EXISTING FLOORS ARE BASED ON SURVEY INFORMATION AND/OR AS-BUILT DRAWINGS PROVIDED BY THE OWNER. THE SURVEY DATA MAY NOT BE COMPLETE AND THE ACTUAL EXISTING ELEVATIONS MAY VARY IN DIFFERENT PORTIONS OF THE EXISTING BUILDING. ALL INFORMATION MUST BE FIELD VERIFIED AND COORDINATED BETWEEN NEW AND EXISTING CONSTRUCTION TO PROVIDE MATCHING FLOOR ELEVATIONS WHERE REQUIRED.
C. GRADE LINE SHOWN ON ELEVATIONS DOES NOT REFLECT SITE GRADING CONDITIONS; REFER TO CIVIL DRAWINGS FOR GRADING INFORMATION.

KEYNOTES

#	DESCRIPTION

(SCD-1) AT (CW-1) LOCATIONS - EXAMPLE IMAGE ILLUSTRATING CANTILEVERED ALUMINUM PLATE SUPPORT STRUCTURE AND HORIZONTAL ALUMINUM SUNSHADE LOUVERS. REFER TO MATERIAL IDENTIFICATION LIST FOR ADDITIONAL INFORMATION.

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ISSUANCES

No.	Description	Date
1	C&S 100 DD REVIEW	01/10/24

Construction Hoist Concept Sketch

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UK Cancer Center
Construction Hoisting Logistics Concepts
9/20/24 for Bid

TEMPORARY LOADING DOCK +/- 4' ABOVE L1 SEE PAGES THIS DOCUMENT

CUSTOM EXTERIOR BUCK HOIST

REFER TO TRADE CATEGORY EXHIBIT B FOR SIZE AND SPEED REQUIREMENTS

DUAL HOIST

REFER TO TRADE CATEGORY EXHIBIT B FOR SIZE AND SPEED REQUIREMENTS

7" SLAB ON GRADE ON VAPOR RETARDER OVER 10" MINIMUM COMPACTED GRANULAR BASE. REINFORCE WITH 6x6-W4.0xW4.0 (S8#) MESH. T/SLAB = 973'-8" U.N.O.

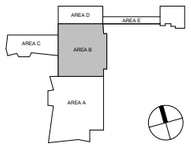
5" SLAB ON GRADE ON VAPOR RETARDER OVER 8" MINIMUM COMPACTED GRANULAR BASE. TYPICAL U.N.O. REINFORCE WITH 6x6-W4.0xW4.0 (S8#) MESH. T/SLAB = 973'-8" U.N.O.

SLAB ON GRADE CONTROL / CONSTRUCTION JOINT. REFER TO TYPICAL DETAILS.

T/SLAB = 973'-8" U.N.O.

LEVEL 00 - AREA B

1/8" = 1'-0"



PLAN NOTES:

1. APPROXIMATE LOCATION OF ELEVATOR SUMP. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER.
2. THICKEN SLAB ON GRADE BELOW STAIR STRINGER/POST BEARING PER TYPICAL DETAIL. COORDINATE STRINGER AND POST BEARING LOCATION WITH STAIR SUPPLIER.
3. HSS10X4X1/4 ELEVATOR DIVIDER BEAM.
4. VERTICAL STEEL TUBE FOR LATERAL SUPPORT OF ELEVATOR CAR OR COUNTERWEIGHT GUIDE RAILS. COORDINATE EXACT AMOUNT AND LOCATIONS WITH ELEVATOR SUPPLIER. REFER TO TYPICAL DETAILS FOR EMBED AND CONNECTION DETAILS. SIZES NOTED ARE FOR BIDDING PURPOSES ONLY. SUBMIT ELEVATOR DATA WITH GUIDE RAIL LOCATIONS TO STRUCTURAL ENGINEER PRIOR TO SUBMITTAL OF SHOP DRAWINGS FOR VERIFICATION OR REDESIGN OF SUPPORTS.
5. THICKEN SLAB ON GRADE BELOW INTERIOR CMU WALL PER TYPICAL DETAIL.
6. THICKEN SLAB ON GRADE TO 9" AT LINEAR ACCELERATOR ROOM. REINFORCE WITH 6X6-W4.0XW4.0 (S8#) MESH TOP AND BOTTOM. COORDINATE FLOOR LEVELNESS REQUIREMENTS WITH LINACC SUPPLIER. TOP OF SLAB EQUALS 973'-8" U.N.O. COORDINATE SLAB DEPRESSIONS, TRENCHES AND PITS THAT ARE REQ'D FOR THE MEDICAL EQUIPMENT WITH FUTURE INTERIORS PACKAGE AND MEDICAL EQUIPMENT SUPPLIER.
7. THICKEN SLAB ON GRADE TO 9" AT HDR ROOM. REINFORCE WITH 6X6-W4.0XW4.0 (S8#) MESH TOP AND BOTTOM. COORDINATE FLOOR LEVELNESS REQUIREMENTS WITH HDR SUPPLIER. TOP OF SLAB EQUALS 973'-8" U.N.O. 18" CONCRETE WALLS WITH 18" STRUCTURAL SLAB ABOVE, T/SLAB = 987'-2".
8. THICKEN SLAB ON GRADE TO 10" AT MRI ROOM. REINFORCE WITH #6 AT 12 " O.C. EACH WAY AT SLAB MID-DEPTH. ALL REINFORCING TO BE AUSTENITIC STAINLESS STEEL BARS. DEPRESS SLAB PER ARCHITECTURAL DRAWINGS AND COORDINATE FLOOR LEVELNESS REQUIREMENTS WITH MRI SUPPLIER.
9. THICKEN SLAB ON GRADE TO 8 " AT CT/BRACHY/HOT LAB ROOMS. REINFORCE WITH #4 AT 12" O.C. EACH WAY BOTTOM. MESH TO BE CONTINUOUS THROUGH THICKENED SLAB. COORDINATE FLOOR LEVELNESS REQUIREMENTS WITH CT/BRACHY/HOT LAB SUPPLIERS.
10. 24"x24" NOMINAL FULL HEIGHT PILASTER CAST INTEGRAL WITH FOUNDATION WALL. REINFORCE WITH 4 #11 VERT AND #4 CLOSED TIES (3 AT 3 " O.C. TOP, BALANCE AT 10 "). HOOK VERT BARS AT TOP OF LEVEL 01 FRAMING AND PROVIDE MATCHING STRAIGHT DOWELS INTO DRILLED PIER. REFER TO DETAIL ON S503 FOR ADD 'L INFO AND REINFORCING REQUIRED. ORIENT PILASTER AS SHOWN AND CENTER UNDER STEEL COLUMN ABOVE.
11. HSS12X6X5/16 ELEVATOR DIVIDER BEAM.
12. 36"x36" NOMINAL COLUMN CAST INTEGRAL WITH LINACC WALL. REINFORCE WITH 12 #11 VERT AND #4 CLOSED TIES (3 AT 3 ' O.C. TOP, BAL AT 16 " O.C.). HOOK VERTICAL BARS AT TOP OF LEVEL 01 FRAMING AND PROVIDE MATCHING STRAIGHT DOWELS INTO DRILLED PIER. REFER TO DETAIL ON S503 FOR ADD 'L INFO AND REINFORCING REQUIRED. CENTER COLUMN UNDER STEEL COLUMN ABOVE.
13. 5" SLAB ON GRADE AT AREAWAY. REINFORCE WITH 6X6-W4.0XW4.0 (S8#) MESH AND SLOPE SLAB TO DRAINS. SEE ARCHITECTURAL AND MEP DRAWINGS FOR SLAB ELEVATIONS AND DRAIN LOCATIONS. OMIT VAPOR RETARDER AT AREAWAY SLAB AND SEAL ALL SLAB JOINTS INCLUDING CRACKS.
14. OMIT CURB BELOW DOOR. PROVIDE (2) ROWS OF #4 DOWELS FROM GRADE BEAM AT 12" O.C. AND FIELD BEND 2'-0" HORIZONTAL INTO INTERIOR AND EXTERIOR SLAB ON GRADE.
15. DRILLED PIER LOCATION WAS PRE-DRILLED. REFER TO GEOTECH REPORT AND DRILLED SHAFT BEARING ELEVATION LETTER PREPARED BY SOLID GROUND CONSULTING ENGINEERS.
16. HOOK DRILLED PIER VERT BARS AT TOP OF DRILLED PIER / PIER CAP.
17. 18"x24" NOMINAL FULL HEIGHT PILASTER CAST INTEGRAL WITH FOUNDATION WALL. REINF WITH 4 #11 VERT AND #4 CLOSED TIES (3 AT 3" TOP, BALANCE AT 10"). HOOK VERT BARS AT TOP OF LEVEL 01 FRAMING AND PROVIDE MATCHING STRAIGHT DOWELS INTO DRILLED PIER. REFER TO DETAIL ON S503 FOR ADD'L INFO AND REINFORCING REQ'D. ORIENT PILASTER AS SHOWN AND CENTER UNDER STEEL COLUMN ABOVE.
18. SPREAD FOOTING SIZE BASED ON 15 KSF ALLOWABLE BEARING CAPACITY IN WEATHERED BEDROCK. GEOTECH ENGINEER TO VERIFY ALLOWABLE BEARING CAPACITY BEFORE PLACEMENT OF FOOTING CONCRETE.
19. PIT FOR LOADING DOCK LEVELER OR SCISSOR LIFT. VERIFY PIT DIMENSIONS WITH ACTUAL EQUIPMENT PURCHASED. COORDINATE PIT LOCATIONS WITH ARCH DWGS.
20. METAL STAIR FOR LOADING DOCK ACCESS, REFER TO ARCH DWGS FOR ADD'L INFO.
21. CENTER DRILLED PIER UNDER COLUMN AT L-8.
22. LOCATE CENTER OF DRILLED PIER IN E-W DIRECTION AT 1'-6" WEST OF LINE 8.
23. BOTTOM OF DRILLED PIER ELEVATION BASED ON MINIMUM 10 FOOT ROCK SOCKET DEPTH INTO 85 KSF COMPETENT BEDROCK AS REQ'D FOR UPLIFT RESISTANCE. DO NOT RAISE BOTTOM ELEVATION ABOVE THAT SHOWN BUT LOWER BOTTOM ELEVATION AS REQ'D TO ACHIEVE THE 10 FOOT ROCK SOCKET DEPTH.
24. 15" THICK ISOLATED MECHANICAL EQUIPMENT PAD BELOW GENERATOR. REFER TO TYPICAL DETAIL ON S102 FOR PAD REINFORCING AND ADD'L INFO. COORDINATE EXACT SIZE AND LOCATION OF PAD WITH MECH DWGS.
25. 16"X16" NOMINAL COLUMN CAST INTEGRAL WITH WALL. REINFORCE WITH 4 #9 VERT AND #3 CLOSED TIES AT 6" O.C. PROVIDE MATCHING STRAIGHT DOWELS INTO DRILLED PIER AND EXTEND VERT BARS TO WITHIN 4" OF TOP OF LEVEL 01 SLAB AND HOOK.
26. COLUMN TO SERVE AS IN-PLACE MOCK UP FOR ARCH FINISH TO BE USED ON EXPOSED COLUMNS LOCATED IN LOBBY AREA AT LEVEL 01. REFER TO ARCH DWGS FOR ADD'L INFO.
27. AT GAMMA KNIFE ROOM: 12" SLAB ON GRADE ON VAPOR RETARDER OVER 14" MIN THICK WELL COMPACTED GRANULAR BASE. REINF SLAB WITH #5 AT 12" EACH WAY TOP AND BOT. COORDINATE FLOOR LEVELNESS REQUIREMENTS WITH GAMMA KNIFE SUPPLIER. COORDINATE SLAB DEPRESSIONS, TRENCHES AND PITS THAT ARE REQ'D FOR THE MEDICAL EQUIPMENT WITH FUTURE INTERIORS PACKAGE AND MEDICAL EQUIPMENT SUPPLIER.
28. AT GAMMA KNIFE DELIVERY PATH: 10" SLAB ON GRADE ON VAPOR RETARDER OVER 14" MIN THICK WELL COMPACTED GRANULAR BASE. REINF SLAB WITH #5 AT 12" EACH WAY AT SLAB MID-DEPTH.
29. 18"X24" PIER WITH (8) #8 VERT AND #4 TIES AT 12" O.C. LAP VERTS 39" WITH HOOKED DOWELS FROM GRADE BEAM AND EXTEND 39" INTO BEAM ABOVE.
30. 18"x18"x18" SUMP PIT. COORDINATE EXACT LOCATION WITH PLUMBING DRAWINGS. PROVIDE GRATING COVER SET FLUSH WITH TOP OF PIT. REFER TO DETAIL 1/S301 FOR PIT INFO INCLUDING REINFORCING.
31. SLEEVE WALL AS REQ'D FOR MEP PIPING / CONDUIT. REFER TO MEP DRAWINGS FOR EXACT SIZES, ROUTES, AND LOCATIONS.
32. EXTEND LINACC GRADE BEAM AND REINF TO LINE 4. HOOK ALL TOP AND BOT LONGITUDINAL BARS AT FAR EAST END OF PIER CAP ON LINE 4.
33. EXTEND LINACC GRADE BEAM AND REINF TO LINE 6. HOOK ALL TOP AND BOT LONGITUDINAL BARS AT FAR EAST END OF PIER CAP ON LINE 6.
34. GRADE BEAM EXTENSION FOR SUPPORT OF LINACC DOOR FRAME. REFER TO DETAIL 33/S303.
35. GRADE BEAM PER DETAIL 9/S301. REINF CONT FROM NORTH END OF ADJACENT SHEAR WALL TO SOUTH EDGE OF FOUNDATION WALL ON LINE K, TYP U.N.O.
36. AT EXTERIOR DOORWAY, PROVIDE KEYWAY, DBRs AND EXTERIOR SLAB REINFORCING PER DETAIL 4/S401.
37. WALL CONSTRUCTION JOINT WITH 2x6 KEY AND #6 x 6'-0" DBR TO MATCH AREA WAY WALL REINFORCING, SEE SECTION 43/S403.

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PIVOTAL lighting design

HEALTHCARE

Cancer Treatment Center + Advanced Ambulatory Center

LEXINGTON, KENTUCKY

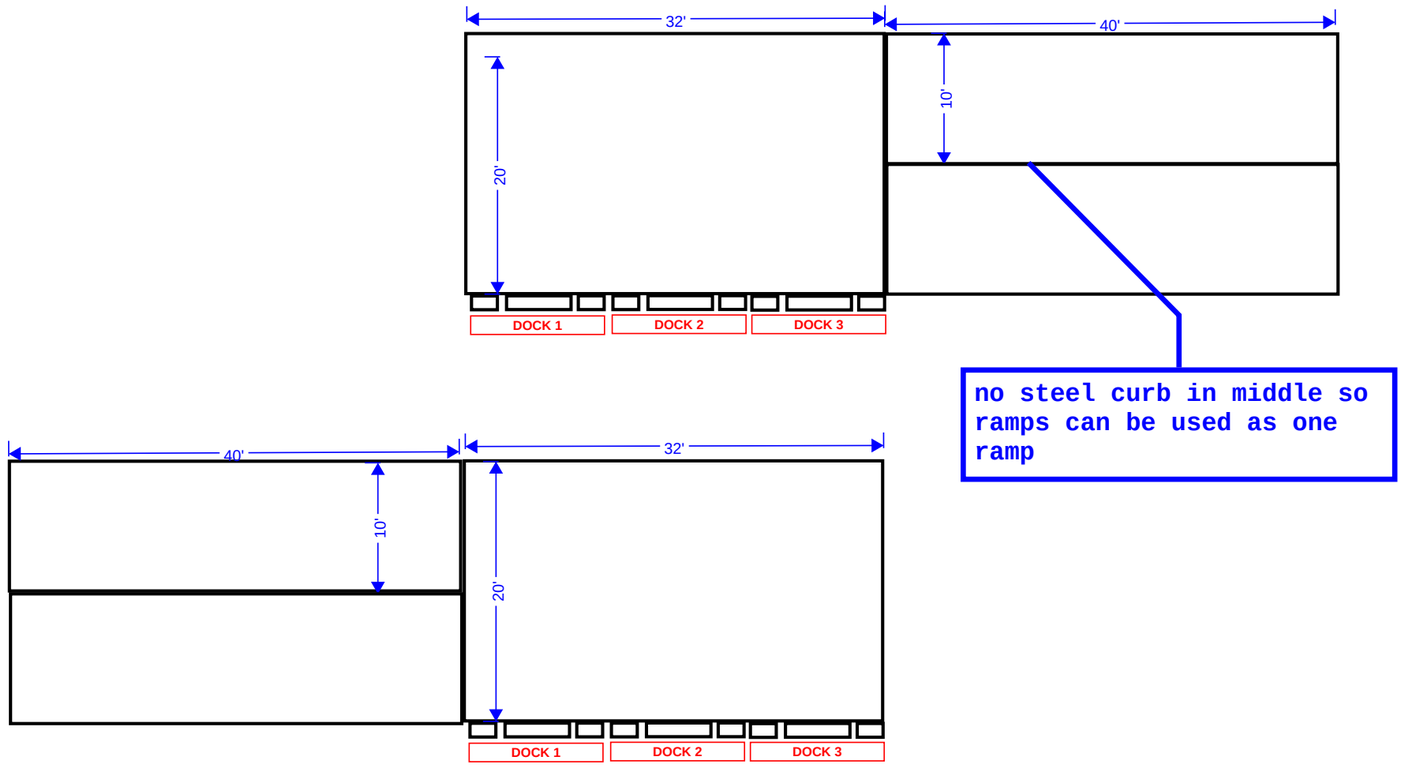
UK Project Number 2563.0

ISSUANCES

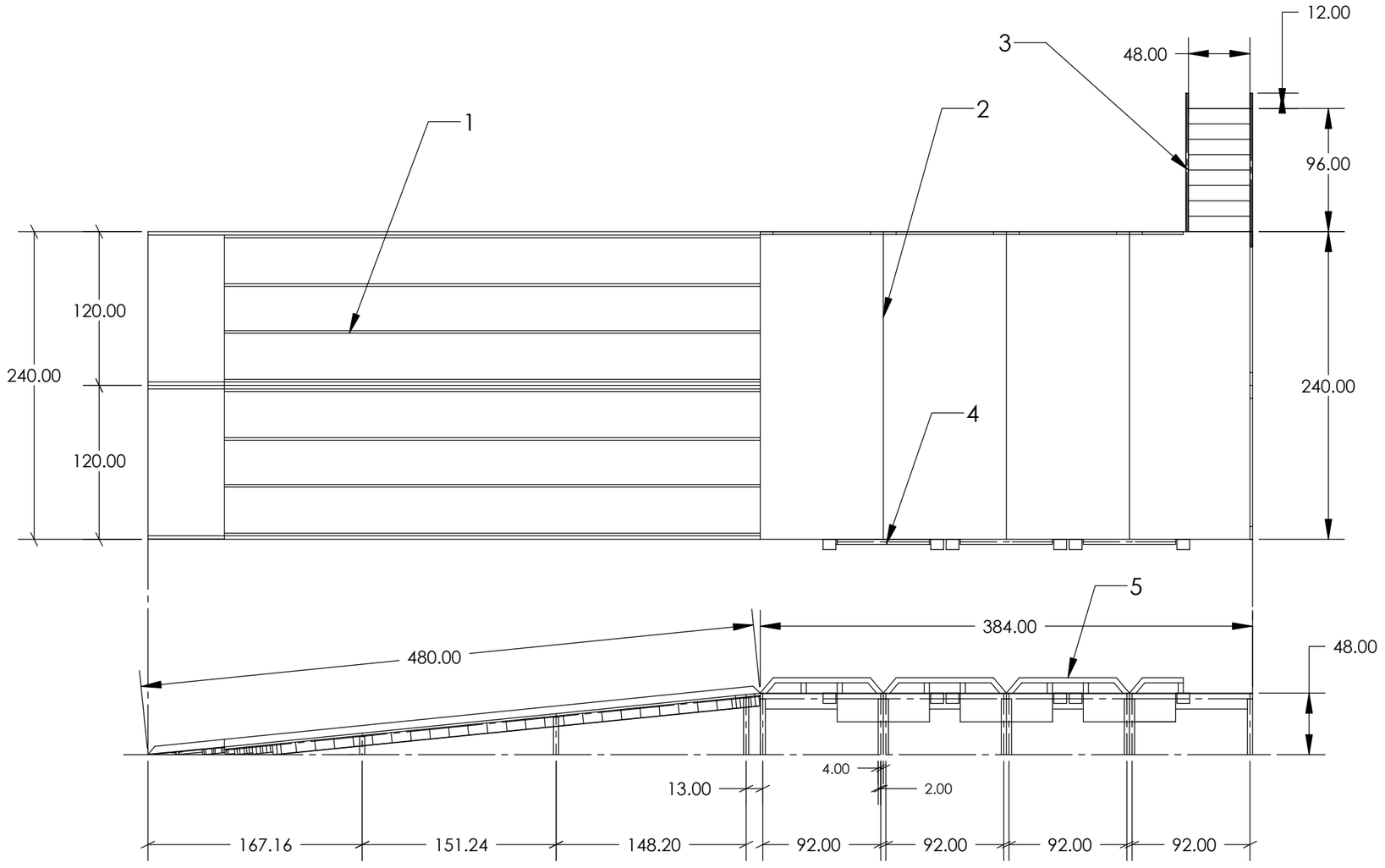
No.	Description	Date
1	BP-04 FOR BID & PERMIT	01/24/24
2	C&S 80% CD	03/05/24
3	C&S 100% CD REVIEW	04/09/24
4	BP-07 BID & PERMIT	04/30/24

Construction Hoist Concept Sketch

4/30/2024 5:47:11 PM

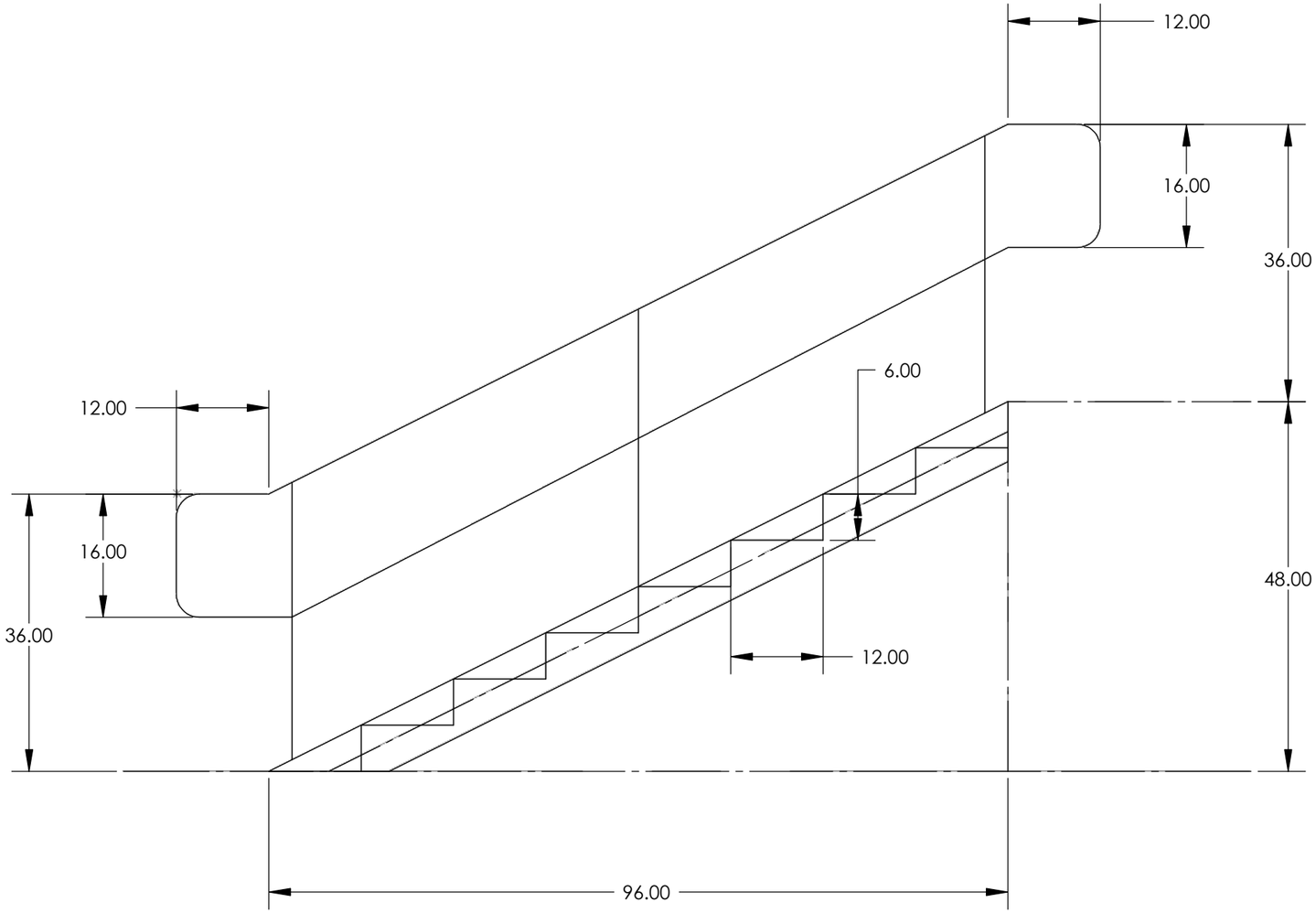


UK CANCER CENTER DOCK CONCEPT
FOR BID 9/20/24



1 Steel Yard-Ramp: 30k lb Capacity, 48" Rise
2 Steel Platform: 20' x 8', 30k Capacity, 48" Rise
3 Steel Stair Assembly: 4', 48" Rise
4 Steel Dock Leveler: 72', 30k Capacity
5 Steel Safety Curbs: 12"

UK CANCER CENTER DOCK CONCEPT
FOR BID 9/20/24



UK CANCER CENTER DOCK CONCEPT
FOR BID 9/20/24

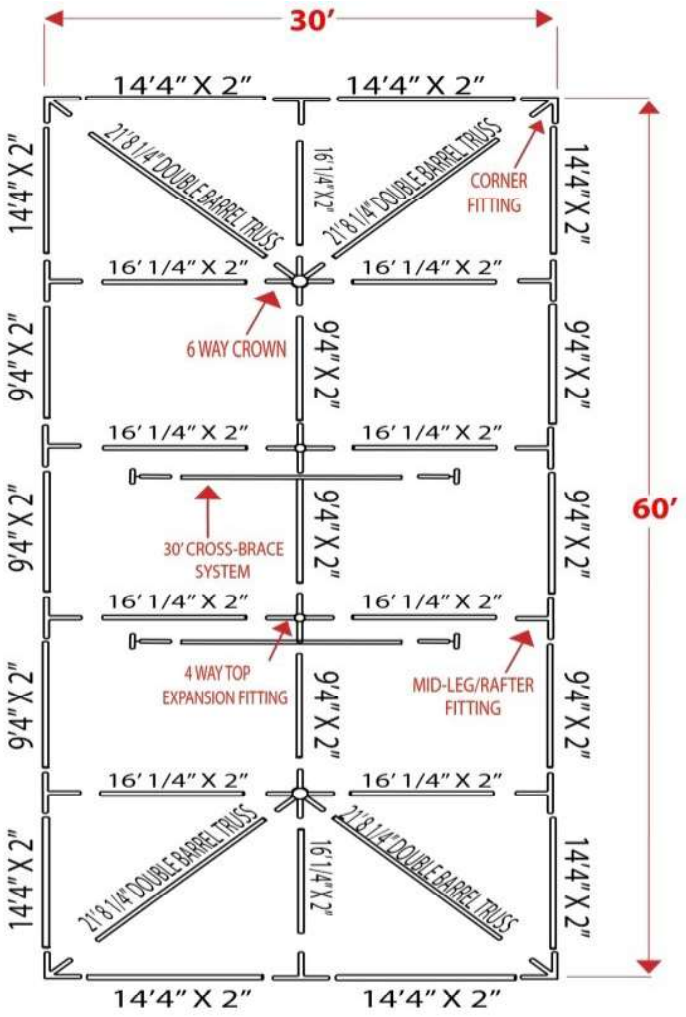
Re: University of Kentucky Cancer Center construction tent

Our Frame

- Engineered and wind load tested.
- Tubing is manufactured of 6005 T-6 anodized marine aluminum with exclusive alignment line; 1/8” wall thickness.
- 30’ wide tents include double-tube corner rafters, 2” mid-rafter and 2” side bars.
- Galvanized steel Flo-coat™ fittings.
- Failsafe steel snap button assembly.
- Adjustable leg height 7′, 7’3”, 8′, 8’3”, 9′, 9’3”

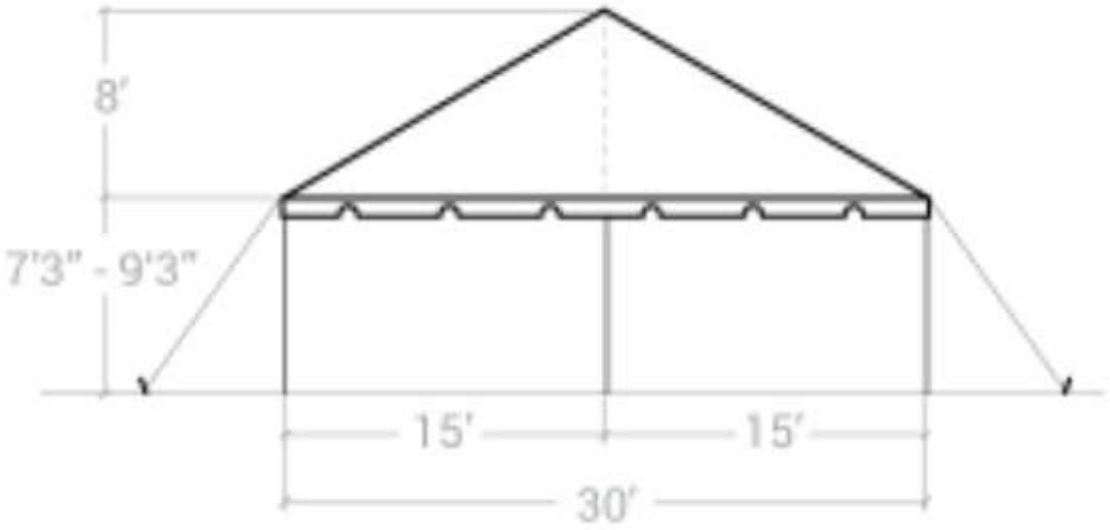
Our Cover

- Standard covers are manufactured of an exclusive high quality 18oz. lacquer coated black-out vinyl material which makes the cover easier to handle, store, install and clean.
- Available in 18 oz. and/or 13oz. solid colors and 30” stripes.
- Seams are 100% electronically welded.
- Stainless steel buckles prevent unsightly rust stains on your cover.
- Double reinforced straps and buckles.
- Vinyl grommets installed by R.F. welding on expandable covers.
- Cover storage bag and ground tarp included.

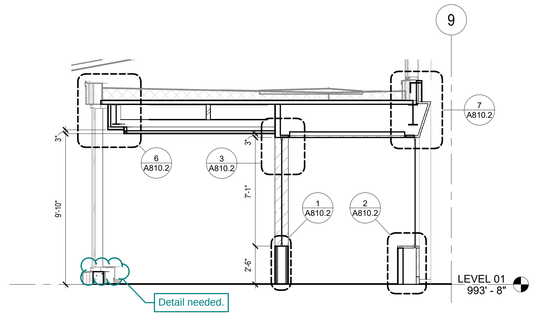


CLASSIC™ 30'X60' FRAME SKETCH

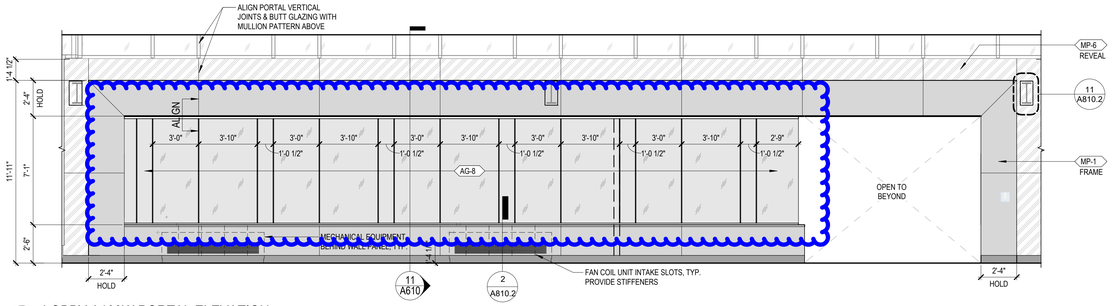
6	9'4" X 2" SIDE BARS	4	STEEL CORNER FITTINGS
8	14'4" X 2" SIDE BARS	2	6-WAY STEEL TOP FITTING CROWN
3	9'4" X 2" TOP BARS	2	4-WAY STEEL EXPANSION TOP FITTING
4	21'8 1/4" DOUBLE BARREL TRUSS	10	STEEL MID LEG/RAFTER FITTING
10	16' 1/4" X 2" MID RAFTER	14	30" STEEL STAKES
14	7' - 9' ADJUSTABLE LEG W/BASE	14	1" X 12' RATCHET STRAPS
2	30' CROSS-BRACE SYSTEM (14'4" X 2" TUBING AND FITTINGS)		



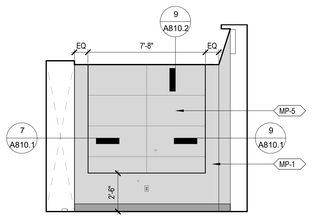
David Bryant
worldwidetents@aol.com



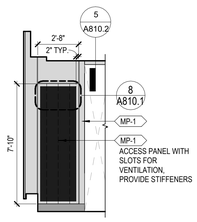
11 VESTIBULE A100A SECTION
1/4" = 1'-0"
1/A211.A



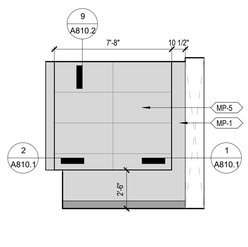
3 LOBBY A100W PORTAL ELEVATION
1/4" = 1'-0"
1/A211.C



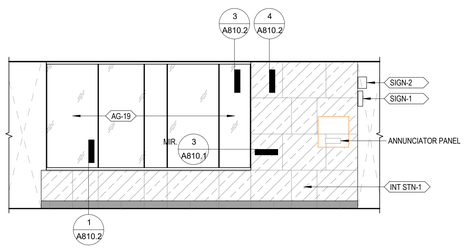
10 VESTIBULE A100A ELEVATION - NORTH
1/4" = 1'-0"
1/A610



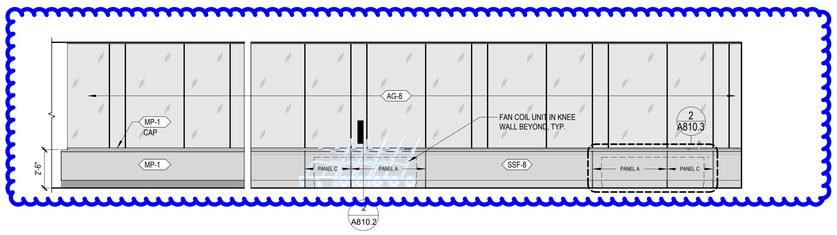
9 VESTIBULE A100A FCU PANEL ELEVATION
1/4" = 1'-0"
1/A610



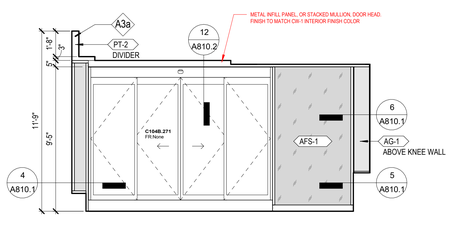
8 VESTIBULE A100A ELEVATION - SOUTH
1/4" = 1'-0"
1/A610



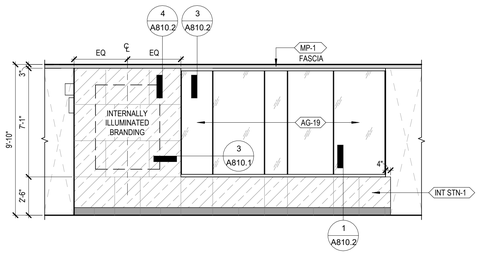
7 VESTIBULE A100A SIGN WALL ELEVATION - WEST
1/4" = 1'-0"
1/A610



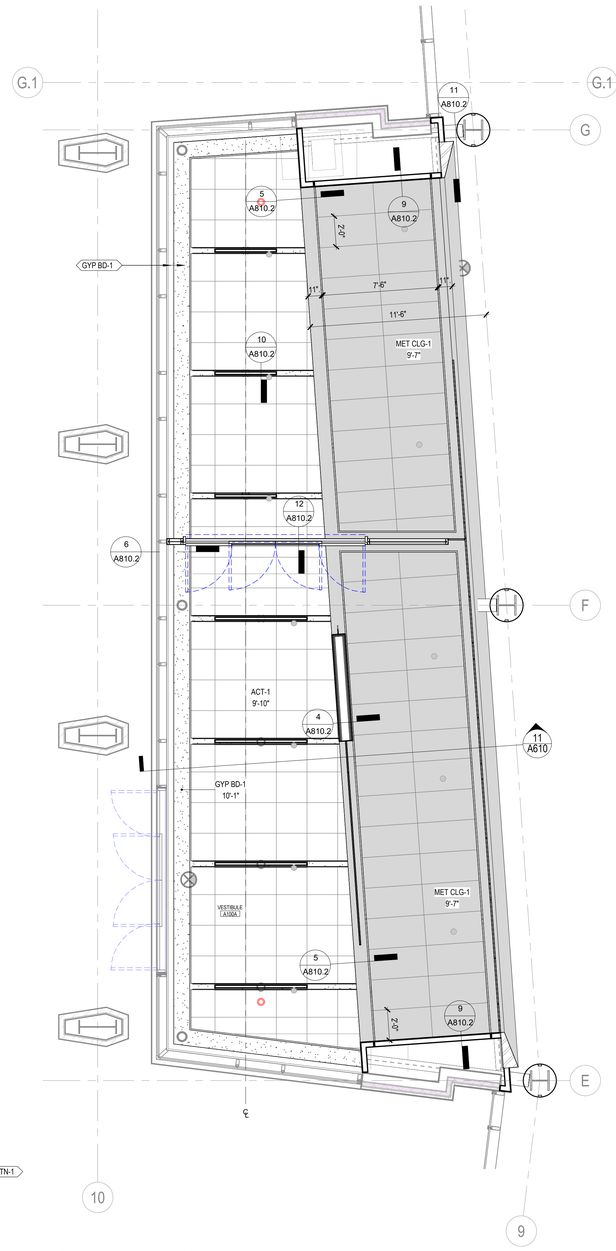
6 VESTIBULE A100A KNEE WALL ELEVATION - EAST
1/4" = 1'-0"
1/A610



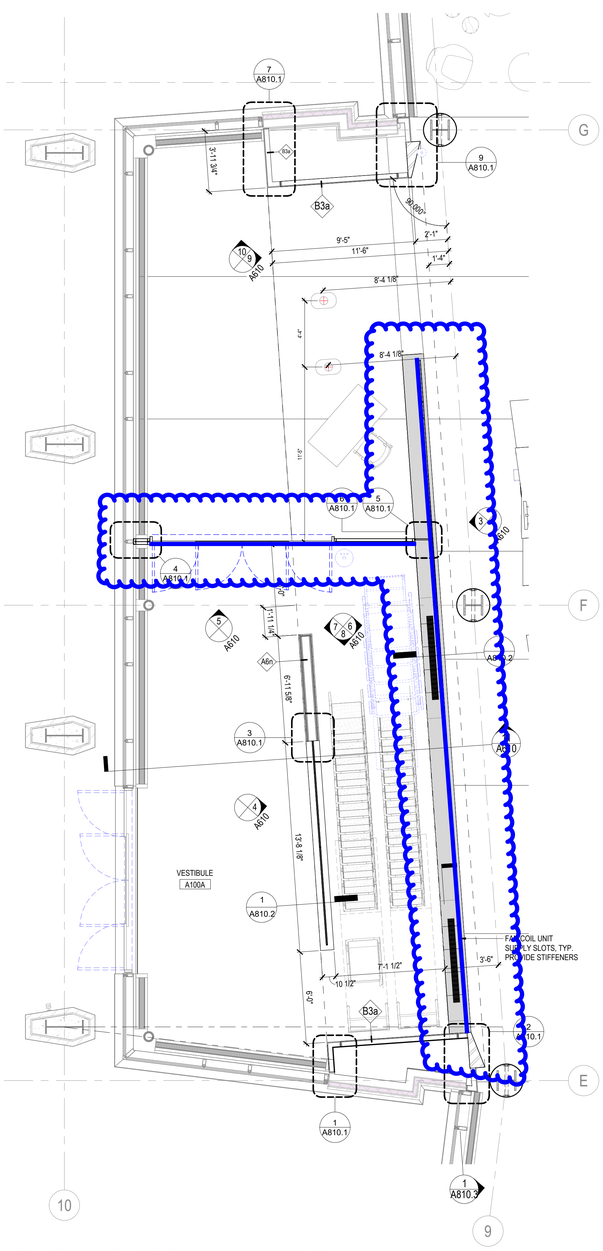
5 VESTIBULE A100A BI-PARTING DOORS ELEVATION
1/4" = 1'-0"
1/A610



4 VESTIBULE A100A SIGN WALL ELEVATION - EAST
1/4" = 1'-0"
1/A610



2 VESTIBULE A100A ENLARGED RCP
1/4" = 1'-0"
1/A311.A



1 VESTIBULE A100A ENLARGED FLOOR PLAN
1/4" = 1'-0"

CHAMPLIN
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720 EAST PETE ROSE WAY
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Minneapolis, Minnesota 55401
Telephone 612.758.4000

THP
Affiliated Engineers
CMTA
OLIN
CARMAN LANDSCAPE ARCHITECTURE URBAN PLANNING CIVIL ENGINEERING
WALSH CONSULTING GROUP
bell engineering
CDM Smith
PIVOTAL lighting design

HEALTHCARE

Cancer Treatment Center + Advanced Ambulatory Center

1220 Elizabeth St.
Lexington, KY 40536

UK Project Number 2563.0

ISSUANCES

No.	Description	Date
1	FO 100% DD REVIEW	06/18/24
2	FO 80% CD	08/13/24
3	FO 100% CD REVIEW	10/01/24
4	BP-08 FO BID & PERMIT	11/05/24

Drawn By
CHAMPLIN

Checked By
CHAMPLIN

Client Number
514

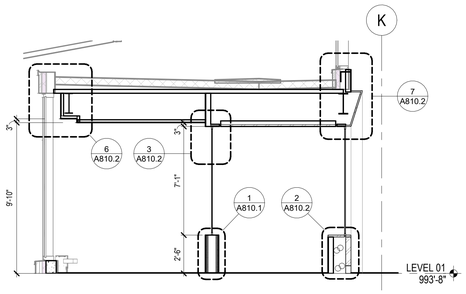
Project Number
6926

KRUTARTH JAIN
LICENSE #8538
EXPIRATION: 06/30/2025

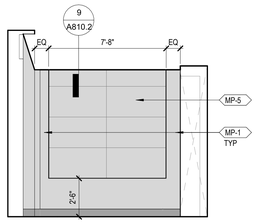
DRAWING TITLE
L1 - MAIN VESTIBULE ENLARGED PLAN & INTERIOR ELEVATIONS

SHEET NO.
A610

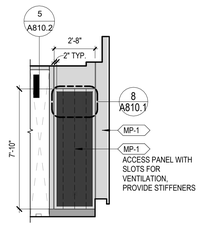
11/6/2024 12:11:14 AM



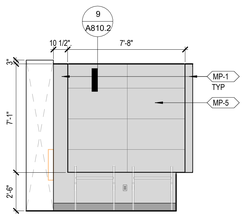
11 VESTIBULE C100A SECTION
1/4" = 1'-0"
1/A211.C

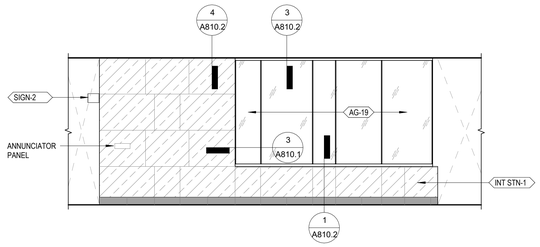


10 VESTIBULE C100A ELEVATION - EAST
1/4" = 1'-0"
1/A610.1



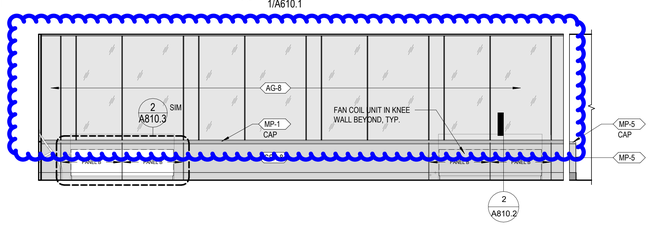
9 VESTIBULE C100A FCU PANEL ELEVATION
1/4" = 1'-0"
1/A610.1



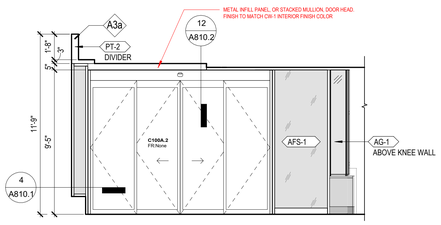


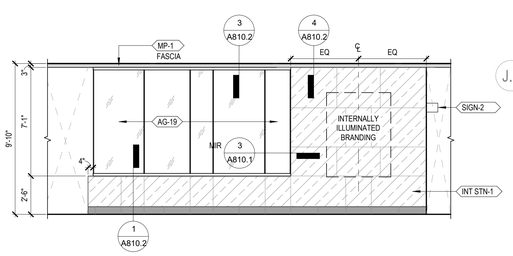
8 VESTIBULE C100A ELEVATION - WEST
1/4" = 1'-0"
1/A610.1

7 VESTIBULE C100A SIGN WALL ELEVATION - SOUTH
1/4" = 1'-0"
1/A610.1



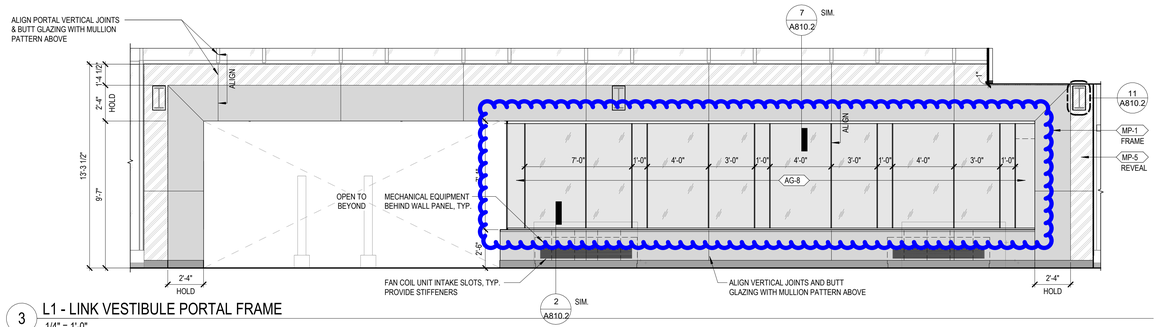
6 VESTIBULE C100A KNEE WALL ELEVATION - NORTH
1/4" = 1'-0"
1/A610.1



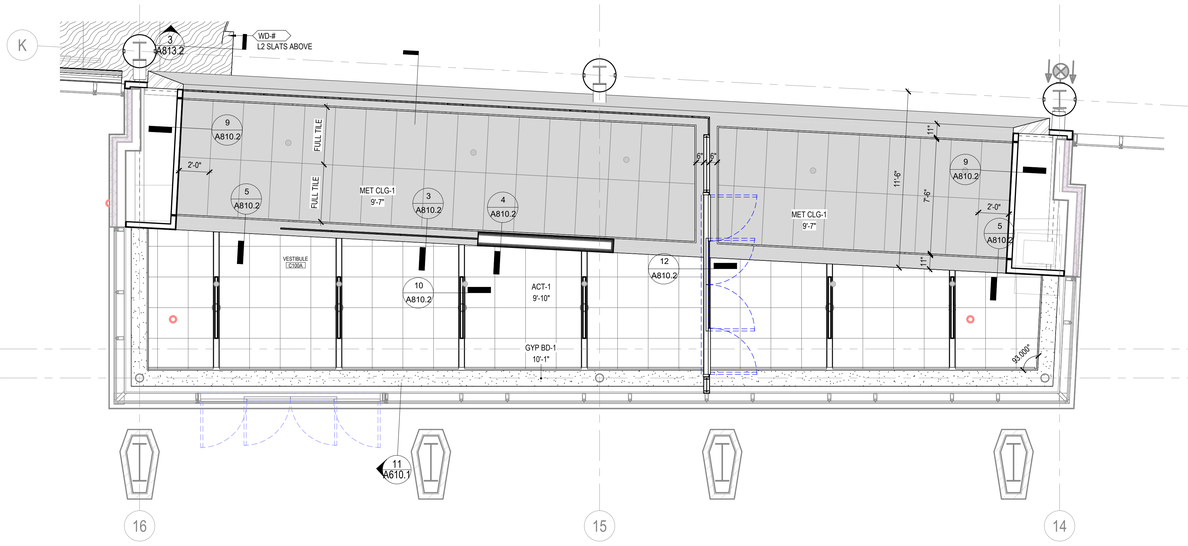


5 VESTIBULE C100A BI-PARTING DOORS ELEVATION
1/4" = 1'-0"
1/A610.1

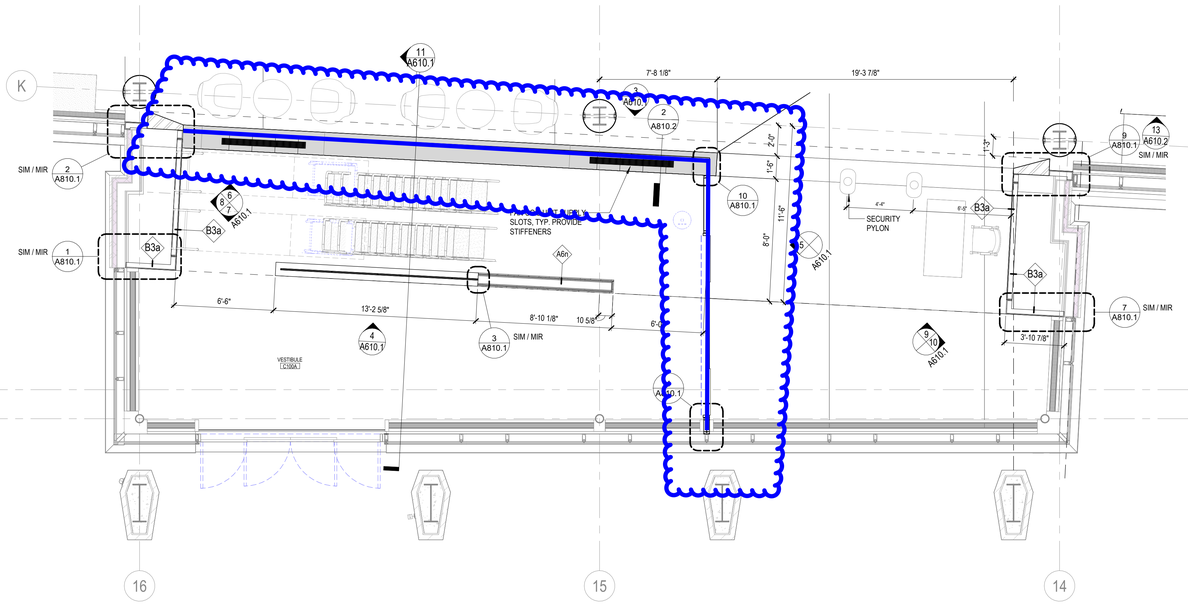
4 VESTIBULE C100A SIGN WALL ELEVATION - NORTH
1/4" = 1'-0"
1/A610.1



3 L1 - LINK VESTIBULE PORTAL FRAME
1/4" = 1'-0"
1/A610.1



2 VESTIBULE C100A ENLARGED RCP
1/4" = 1'-0"
11/A610.1



1 VESTIBULE C100A ENLARGED FLOOR PLAN
1/4" = 1'-0"
1/A211.A

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Cancer Treatment Center + Advanced Ambulatory Center

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UK Project Number 2563.0

ISSUANCES

No.	Description	Date
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Drawn By
CHAMPLIN
Checked By
CHAMPLIN
Client Number
514
Project Number
6926

KRUTARTH JAIN
REGISTERED
No. 8538
COMMONWEALTH OF KENTUCKY
ARCHITECT

KRUTARTH JAIN
LICENSE #8538
EXPIRATION: 06/30/2025

DRAWING TITLE
L1 - LINK VESTIBULE ENLARGED PLAN & INTERIOR ELEVATIONS

SHEET NO.
A610.1

BID BREAKDOWN FORM

Company Name:
Scope of Work : Trade Category 09C.8 - Soft Flooring

Item	Bid Quantities	Quantity	U/M	Unit Price	Total
001	General Requirements		LS		
002	Hoisting, Delivering, Shipping, Handeling		LS		
003	Shop Drawings and Engineering		LS		
004	Carpet Tile				
005	CPT-1		SY		
006	CPT-2		SY		
007	CPT-3		SY		
008	CPT-4		SY		
009	CPT-5		SY		
010	Resilient Sheet Flooring				
011	RSF-1		SF		
012	RSF-2		SF		
013	RSF-3		SF		
014	RSF-4		SF		
015	RSF-5		SF		
016	RSF-6		SF		
017	RSF-7		SF		
018	RSF-8		SF		
019	RSF-9		SF		
020	RSF-10		SF		
021	RSF-11		SF		
022	RSF-12		SF		
023	RSF-13		SF		
024	RSF-14		SF		
025	RSF-15		SF		
026	RSF-16		SF		
027	Resilient Floor Tile				
028	RFT-1		SF		
029	RFT-2		SF		
030	RFT-3		SF		
031	RFT-4		SF		
032	RFT-5		SF		
033	RFT-6		SF		
034	RFT-7		SF		
035	RFT-8		SF		
036	RFT-9		SF		
037	RFT-10		SF		
038	Resilient Base		LF		
039	Resilient Stair Treads		SF		
040	'Medium Traffic' Floor protection		SF		
041	'Medium Traffic' Floor protection Labor Hours		MH		
042	Total Labor Hours - Standard Time		MH		

043	Total Labor Hours - Overtime		MH		
044	*Moisture Mitigation per Ex B.2*				
045	*Floor Leveling per Ex B.2*				
	Allowances (To be included in Base Bid on Bid Form)				
Allowance 1	Project Technology - Calculate as .15% bid value	1	LS		
Allowance 2	Self-Leveling	1	LS	$ 100,000	$100,000.00
Allowance 3	Moisture Mitigation	1	LS	$ 75,000	$75,000.00
	TOTAL BASE BID (this total should match Base Bid Total on 004100B01 Form of Proposal)				
	Alternates				
001	Add Fit Out Scope Level 4		LS		
002	Add Fit Out Scope Conference Center Level 1		LS		
	Unit Prices - To be included in the Subcontract				
Unit Price 1	Additional Leveling (Assume 1/4" of Leveling)	100	SF		
Unit Price 2	Additional Moisture Mitigation	100	SF		
Unit Price 3	CPT-#	50	SF		
Unit Price 4	RSF-#	50	SF		
Unit Price 5	RFT-#	50	SF		
Unit Price 6	RB#	10	LF		
	Labor Rates - See Labor Rate Form				

Modified by Addendum

BID BREAKDOWN FORM

Company Name:
Scope of Work : Trade Category 08E.8 - Interior Glazing

Item	Bid Quantities	Quantity	U/M	Unit Price	Total
001	General Requirements		LS		
002	Hoisting, Delivering, Shipping, Handeling		LS		
003	Shop Drawings and Engineering		LS		
004	All Glass Entrances and Storefronts				
005	AG-1		VSF		
006	AG-2		VSF		
007	AG-3		VSF		
008	AG-4		VSF		
009	AG-5		VSF		
010	AG-8		VSF		
011	AG-9		VSF		
012	AG-10		VSF		
013	AG-11		VSF		
014	AG-10		VSF		
015	AG-11		VSF		
016	AG-15		VSF		
017	AG-16		VSF		
018	AG-17		VSF		
019	AG-18		VSF		
020	AG-19		VSF		
021	Smoke-tight Curtainwall		VSF		
022	Monolithic & Laminated Glazing				
023	GL-1		VSF		
024	GL-2		VSF		
025	GL-3		VSF		
026	GL-4		VSF		
027	GL-5		VSF		
028	GL-6		VSF		
029	GL-7		VSF		
030	GL-9		VSF		
031	GL-10		VSF		
032	GL-11		VSF		
033	GL-12		VSF		
034	GL-13		VSF		
035	GL-14		VSF		
036	GL-15		VSF		
037	GL-16		VSF		
038	GL-17		VSF		
039	GL-18		VSF		
040	GL-19		VSF		
041	GL-20		VSF		
042	GL-91		VSF		

043	Glass Surface Film				
044	GLSF-1		VSF		
045	GLSF-2		VSF		
046	Vision Control Glazing				
047	GL-72		VSF		
048	GL-72 Lead Lined		VSF		
049	Unframed Mirrors		VSF		
050	Plastic Glazing		VSF		
051	Borrowed Window Lites		VSF		
052	Borrowed Door Lites		VSF		
053	Frosted Glass Panels		VSF		
054	Glass protection		VSF		
	Allowances (To be included in Base Bid on Bid Form)				
Allowance 1	Project Technology - Calculate as .15% bid value	1	LS		
Allowance 2	Protection of installed projects and adjacent surfaces in addition to contract scope requirements. Locations to be determined by CM.	1,000	VSF		
Allowance 3	Tint or Color Upgrade	1	LS	$ 35,000	$35,000.00
Allowance 4	Film or Decals	1	LS	$ 20,000	$20,000.00
Allowance 5	*Interior Glazing at Vestibule per RFI response*	*1*	*LS*	*$ 80,000*	*$80,000.00*
	TOTAL BASE BID (this total should match Base Bid Total on 004100B01 Form of Proposal)				
	Alternates				
001	ADD Fit Out scope at Level 4		LS		
002	ADD Conference Scope at Level 1		LS		
	Unit Prices - To be included in the Subcontract				
Unit Price 1					
Unit Price 2					
	Labor Rates - See Labor Rate Form				

Modified by Addendum

BID BREAKDOWN FORM

Company Name:
Scope of Work : Trade Category 06A.8 - Finish Carpentry

Item	Bid Quantities	Quantity	U/M	Unit Price	Total
001	General Requirements		LS		
002	Hoisting, Delivering, Shipping, Handeling		LS		
003	Shop Drawings and Engineering		LS		
004	Plastic Laminate Casework		LF		
005	Plastic Laminate Countertop		LF		
006	Solid Surface Countertop/Splashes		LF		
007	Solid Surface Wall Protection		LF		
008	Plastic Glazing (PLGL-1)		SF		
009	Plastic Laminate Faced Composite Panels				
010	PLCP-1		SF		
011	PLCP-2		SF		
012	PLCP-3		SF		
013	PLCP-6		SF		
014	Paneling				
015	PNLG-1		SF		
016	PNLG-2		SF		
017	Lobby & bridge slat wall & graphics				
018	WD FAB-1		SF		
019	WD FAB-2		SF		
020	WD FAB-4		SF		
021	Upholstered Finish Carpentry Units		SF		
022	Other Wood Fabrications				
023	WD FAB-3		SF		
024	WD FAB-5		SF		
025	WD FAB-6		SF		
026	WD FAB-7		SF		
027	Shelving		LF		
028	Misc. Finish Carpentry Not Identified Above		LS		
029	Total Labor Hours - Standard Time		MH		
030	Total Labor Hours - Overtime		MH		
	Allowances (To be included in Base Bid on Bid Form)				
Allowance 1	Project Technology - Calculate as .15% (.0015) bid value	1	LS		
Allowance 2	Additional grommets	1	LS	$ 10,000	$10,000.00
Allowance 3	In-wall blocking	1	LS	$ 50,000	$50,000.00
Allowance 4	Pav-A protection	1	LS	$ 20,000	$20,000.00
Allowance 5	Hardware upgrades	1	LS	$ 20,000	$20,000.00
Allowance 6	Sealants	1	LS	$ 40,000	$40,000.00
Allowance 7	Pocket door coordination	1	LS	$ 25,000	$25,000.00
Allowance 8	Protection	1	LS	$ 25,000	$25,000.00
Allowance 9	*18/A604 states that Cabinet Door Custom Locks*	*1*	*LS*	*$ 15,000*	*$15,000.00*

	TOTAL BASE BID **(this total should match Base Bid Total on 004100B01 Form of Proposal)**				
	Alternates				
001	Add all Fit Out Scope From Level 4 Administration Area		LS		
002	Add all Fit Scope from the Level 01 Conference Area		LS		
	Unit Prices - To be included in the Subcontract				
Unit Price 1					
Unit Price 2					
	Labor Rates - See Labor Rate Form				

Modified Via Addendum.