Addendum No. 2 Page 1 of 2

# ADDENDUM NO. 1

For: Elementary School # 38 522 Brookewater Boulevard Rosenberg, TX 77471 for LAMAR CISD 3911 Avenue I Rosenberg, TX 77471



DATE: 12/20/2024

# TO: DRAWINGS AND SPECIFICATIONS DATED: December 12, 2024

PREPARED BY: PFLUGER ARCHITECTS, L.P.

ADDENDUM DATE: December 20, 2024

## PROJECT NO: 24-028

This addendum shall be considered part of the Bid Documents for the above named project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Bid Documents, this Addendum shall govern and take precedence.

Bidders are hereby notified that they shall make any necessary adjustments in their estimates as a result of this Addendum. It will be construed that each bidder's proposal is submitted with full knowledge of all modifications and supplemental data specified herein.

Addendum No.1 consists of the following:

ADD. NO. 1 - Pre-Proposal Conference Sign-in Sheet

ADD. NO. 1 - Pre-Proposal Conference Agenda

ADD. NO. 1 - Pfluger Narrative

ADD. NO. 1 - Specifications and Drawings (listed below in narrative)

#### GENERAL:

The Bid Documents are modified and clarified as follows:

Reference to Specification or Detail modifications in this Addendum are to attached documents. Including the following atta

Addendum 1 Architectural - 48 pages. Addendum 1 MEP - 20 pages.

### GENERAL:

ITEM	SHEET	DESCRIPTION		
G1-1	G0.01	Included sheet index in set		

#### SPECIFICATIONS:

ITEM	SECTION	DESCRIPTION	
S1-1	00 01 01	Sections in red were modified	
S1-2	00 01 10.1	Updated Architect TOC Seal	
S1-3	00 11 00	Revised date for Contractor to submit qualifications and references to Architect in Project Schedule pg 6	
S1-4	01 21 00	Schedule of Allowances updated in section 3.03, part 3	
S1-5	01 23 00	Schedule of Alternates updated in section 3.2, part 3	

**DRAWINGS**:

ITEM	SHEET	DESCRIPTION	
D1-1	A2.01A	Revised door number A135 to A134	
D1-2	A2.01B	Added door number tag to overhead coiling door B100	

D1-3	A2.01B	Renumbered doors B142 & B147 to B101A & B101C and revised/updated door number tags in plan	
D1-4	A2.01D	Added overhead coiling door E100 and tagged door in plan	
D1-5	A2.01D	Added Corridor E100 room tag	
D1-6	A2.01D	Tagged door D116 in plan	
D1-7	A8.00	Added overhead coiling doors B100 and E100 to the Door Schedule	
D1-8	A8.00	Renamed door E134 on Door Schedule to D116	
D1-9	A8.00	Removed B138 from Door Schedule	
D1-10	A8.00	Revised door hardware set for doors B120 & B122	
D1-11	A8.00	Renumbered doors B142 & B147 to B101A & B101C and revised hardware set and head/jamb/threshhold detail for	
		door B101C	
D1-12	A8.00	Revised door number A135 to A134 and updated hardware set	
D1-13	A8.00	Revised door hardware set for door E125	
D1-14	A8.00	Revised panel material and hardware set for door D104	
D1-15	A9.01C	Added motorized roller shades in Gym C107, Dining C108, and Teachers Dining C115	
D1-16	A10.01A	Updated ceiling height and lighting at Corridor A127, added pocket detail, and revised detail callouts	
D1-17	A10.03	Added detail 15	

END OF ADDENDUM 1

# ADDENDUM NO. 1

For: Elementary School # 38 522 Brookewater Boulevard Rosenberg, TX 77471 for LAMAR CISD 3911 Avenue I Rosenberg, TX 77471

# TO: DRAWINGS AND SPECIFICATIONS DATED: December 12, 2024

PREPARED BY: SALAS O'BRIEN

ADDENDUM DATE: December 20, 2024

# PROJECT NO: 24-028

This addendum shall be considered part of the Bid Documents for the above named project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Bid Documents, this Addendum shall govern and take precedence.

Bidders are hereby notified that they shall make any necessary adjustments in their estimates as a result of this Addendum. It will be construed that each bidder's proposal is submitted with full knowledge of all modifications and supplemental data specified herein.

Addendum No.1 consists of the following: ADD. NO. 1 - Salas O'Brien narrative ADD. NO. 1 - Specifications and Drawings (listed below in narrative) <u>GENERAL:</u>

The Bid Documents are modified and clarified as follows:

Reference to Specification or Detail modifications in this Addendum are to attached documents. Including the following atta

Addendum 1 Architectural - 48 pages. Addendum 1 MEP - 20 pages.

GENERAL:

ITEM	SHEET	DESCRIPTION		
G1-1	N/A			

SPECIFICATIONS:

ITEM	SECTION	DESCRIPTION	
S1-1	N/A		

# DRAWINGS:

ITEM	SHEET	DESCRIPTION
D1-1	M2.01A	Revise diffuser types in multiple spaces to match ceiling type.
D1-2	M2.01A	Replace sheet in its entirety.
D1-3	M2.01B	Revise diffuser types in multiple spaces to match ceiling type.
D1-4	M2.01B	Replace sheet in its entirety.
D1-5	M2.01D	Revise diffuser types in multiple spaces to match ceiling type.
D1-6	M2.01D	Replace sheet in its entirety.
D1-7	M2.01E	Revise diffuser types in multiple spaces to match ceiling type.
D1-8	M2.01E	Replace sheet in its entirety.
D1-9	M2.01F	Revise diffuser types in multiple spaces to match ceiling type.

D1-10	M2.01F	Revise condensate pipe routing for DMS-5.
D1-11	M2.01F	Replace sheet in its entirety.
D1-12	M2.02	Rotate OAI-3. Replace sheet in its entirety.
D1-13	M3.02	RR C116, revise diffuser type to match ceilingtype.
D1-14	M6.01	Revise double duct variable air volume air handling unit remark #7.
D1-15	M6.01	Revise air handling unit schedule remark #12
D1-16	M6.01	Revise energy recovery unit schedule remark #2.
D1-17	M6.01	Revise air cooled condesing unit min. total capacities.
D1-18	M6.01	Revise grille schedules.
D1-19	M6.01	Revise fan schedule remark #4.
D1-20	M6.01	Revise pump schedule, HWP-1, HWp-2, HWP-3 and HWP-4.
D1-21	M6.01	Revise packged air cooled chiller schedule's general note.
D1-22	M6.01	Replace sheet in its entireity.
D1-23	E2.01D	Corridor A127, revise B8 light fixtures to be type 'B6'. (typical of 9)
D1-24	E2.01D	RR D117, delete type DS light fixture.
D1-25	E3.01C	Platform C102, move receptacle for local sound rack to platform sto C103.
D1-26	E3.01C	Dining C108, add (2) receptacles for wall mounted speakers.
D1-27	E3.01C	Gym C107, provide 120V for motorized shades via keyed note 9. Circuit to LA-49 with 2#10, 1#10G., 3/4"C.
D1-28	E3.01C	Dining C108, provide 120V for motorized shades via keyed note 9. Circuit to LA-49 with 2#10, 1#10G., 3/4"C.
D1-29	E3.01C	Add keyed note 9.
D1-30	E3.01C	Replace sheet in it's entirety.
D1-31	E4.01	Provide (2) 30A/3P/NF/Size 1 combination motor starters on west wall for HWP-3 and HWP-4. Circuit each to Panel HA
		each with 3#12, 1#12G., 3/4"C.
D1-32	E6.01	Panel HA, revise circuits for HWP-1 and HWP-2 each to 30A/3P circuit breaker with #10 awg.
D1-33	E6.01	Panel HA, add (2) 20A/3P circuit breakers for HWP-3 and HWP-4.
D1-34	E6.02	Panel LA, revise circuits 10 and 16 to SPARE.
D1-35	E6.02	Panel LA, Add motorized shades to circuits 47 and 49 with #10awg.
D1-36	E8.01	Lighting Fixture Schedule, add type B6. B6 shall be as follows: EV4D-A-840-6'-G1-U-FSD-1-W / RECESSED / LED 500L/FT
		/ 4000K / 80+ / 277V / 27W / 6-FOOT LINEAR SLOT, OPAQUE ACRYLIC LENS, 0-10V DIMMING.
D1-37	P1.01	Revise gas pipe routing.
D1-38	P3.01A	Revise wall hydrant locations.
D1-39	P3.01A	Add FDV-1.
D1-40	P3.01B	Revise wall hydrant locations.
D1-41	P3.01B	Remove FDV-1.
D1-42	P3.01D	Revise piping in 'RR D117'.
D1-43	P3.01E	Revise wall hydrant location.

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# **MEETING SIGN IN SHEET**

DATE/TIME	12/20/2024, 10 am	PROJECT NAME	LAMAR CISD ELEMENTARY #38
RE:	Pre-proposal meeting	PROJECT NUMBER	24-028
LOCATION	Bond Office, Lamar CISD		

ATTENDEE NAME	COMPANY	EMAIL
Robin Robertson	Drymalla Construction	robertson@drymalla.com
Andrew Janczak	Satkerfield : Pontikes	ajanciake set pon. com
Chris Holley	Division Oue	bidsed1 construction.com
Warren Parker	Bartlett Cocke	Wearker@ Bartleitlacker Com
	u v	"Bid Hou @ Bartlett Cocke. Com
KOBJET CURTIS	CADENCE MCSHANE	bids@ cadence mashane. com
Elizabeth Stemac	Southerfield + Pontikes	houstonbids@satpon.com
Brandon Assuncao	Satterfield to Partikes	" Jason talar @ Kisdorg
TASC Jolker	46,512	
Gilbert Produguez	Joeis GC	bidshouston @ joeris com
JAY DURIGTY	BASS	BIDSC BALLCONSTRUCTION, COM
Mailon Monterroso	FCI Construction	bids@iciconstructioning.com
Gerald Herd	Flintco	gerald, herd C Flintce. com
Kim Haynes	Gamma Construction	phypes camma const.com
Mahael Lay Hilld	Sterling	Prunnagestarling Sturtures. (OM)

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#### Lamar CISD Elementary School #3 Prototype 2 in Brookewater

Friday, December 20th, 2024, at 10 am

#### **Pre-Proposal Conference Agenda**

- I. INTRODUCTIONS
  - Lamar CISD Team
  - A/E Design Team
- II. SCOPE OF PROJECT
  - New 116,110 SF Elementary School #38 for Lamar CISD in Brookewater, Rosenberg.
  - \$40,000,000 Budget
- III. SCHEDULE OF CONSTRUCTION
  - LCISD Board Approval of Contract February 20, 2025
  - Contractor Notice to Proceed February 21, 2025
  - Project Substantial Completion Date May 6, 2026

#### IV. FORM & CONTENT OF PROPOSALS

- Submit Contractor Qualifications (A305) & References to Architect via email by January 10, 2025, at 2pm jazmin.mendez@pflugerarchitects.com
- Base Proposal, Allowances, and Unit Prices on CSP Form
- Alternate No 1 and Alternate No 2 on CSP Form
- V. RECEIPT OF PROPOSALS
  - January 21, 2025, at 2pm (CST) for both Base Proposal and Alternates.
  - Lamar CISD Service Center, 4901 Avenue I, Rosenberg, TX 77471
- VI. AWARD OF CONTRACT
  - LCISD Board Approval of Contract February 20, 2025
- VII. SUBSTITUTION OF SPECIFIED MATERIALS AND EQUIPMENT
  - Refer to specification section 01 25 13
- VIII. ADDENDA
  - Addendum 1 Friday, December 20, 2024
  - Addendum 2 Friday, January 10, 2025
  - Questions must be submitted 10 days before the proposals are due. The last day for questions is January 10th.

#### IX. QUESTIONS AND ANSWERS

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00 40 01 - PROPOSAL BOND

00 40 12 - LIST OF SUBCONTRACTORS

00 40 13 - AFFIDAVIT OF NON-DISCRIMINATORY EMPLOYMENT

- 00 40 14 AFFIDAVIT OF NON-ASBESTOS, LEAD, AND PCB USE IN PROJECT
- 00 40 17 CRIMINAL HISTORY RECORD INFORMATION
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00 73 00 - A201 LCISD SUPPLEMENTARY CONDITIONS

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11 40 00 - FOOD SERVICE EQUIPMENT
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11 61 43 - STAGE CURTAINS
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26 05 33 - CONDUIT SYSTEMS 26 05 35 - ELECTRICAL CONNECTIONS FOR EQUIPMENT 26 05 37 - ELECTRICAL BOXES AND FITTINGS 26 05 38 - ELECTRICAL FLOOR BOXES AND FITTINGS.DOCX 26 05 40 - ELECTRICAL GUTTERS & WIREWAYS 26 05 50 - FIRESTOPS 26 08 00 - ELECTRICAL COMMISSIONING

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- 26 32 16 DUAL PURPOSE MANUAL TRANSFER SWITCH
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- 27 05 00 COMMUNICATIONS GENERAL PROVISIONS
- 27 05 07 COMMUNICATIONS SHOP DRAWINGS
- 27 05 09 CONTRACT QUALITY CONTROL
- 27 10 00 STRUCTURED CABLING SYSTEMS
- 27 51 23 SCHOOL COMMUNICATIONS SYSTEMS
- 27 51 24 LOCAL SOUND DISTRIBUTION SYSTEM
- 27 61 00 INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT FOR INSTRUCTIONAL SPACES -FRONTROW TRIO
- 27 61 05 AUDIO VIDEO SYSTEMS AND EQUIPMENT

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- 28 55 00 RF SURVEY

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33 05 28 - TRENCHING AND BACKFILL FOR UTILITIES
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List of Specifications, As Prepared by:



2 Greenway Plaza, Suite 460 Houston, Texas 77046 P: 713.222.1141

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01 22 00 - UNIT PRICES
01 23 00 – ALTERNATES [REVISED: ADDENDUM #1]
01 25 13 - PRODUCT SUBSTITUTION PROCEDURES
01 26 00 - CONTRACT MODIFICATION PROCEDURES
01 29 00 - SCHEDULE OF VALUES & PAYMENT PROCEDURES
01 31 00 - PROJECT MANAGEMENT AND COORDINATION
01 31 15 - PROJECT MANAGEMENT COMMUNICATIONS - CONTRACTOR
01 31 19 - PROJECT MEETINGS
01 32 00 - SCHEDULES, REPORTS AND PAYMENTS
01 32 16 - CONSTRUCTION SCHEDULE
01 33 01 - SUBMITTAL PROCEDURES
01 35 23 - OWNER SAFETY REQUIREMENTS
01 35 23.2 - BADGING - VERSION 6.0
01 35 43 - ENVIRONMENTAL PROCEDURES
01 40 00 - QUALITY REQUIREMENTS
01 42 00 - OWNER REQUIREMENTS
01 42 19 - REFERENCE STANDARDS AND DEFINITIONS
01 45 29 - TESTING LABORATORY SERVICES
01 50 00 - TEMPORARY FACILITIES AND CONTROLS
01 57 13 - EROSION AND SEDIMENTATION CONTROL
01 60 00 - PRODUCT REQUIREMENTS
01 73 29 - CUTTING AND PATCHING
01 74 23 - FINAL CLEANING
01 77 00 - CLOSEOUT PROCEDURES
01 77 01 - CLOSEOUT FORMS A-D
01 77 02 - WAIVER AND RELEASE OF LIENS
01 78 36 - WARRANTIES AND GUARANTEES
01 78 39 - PROJECT RECORD DOCUMENTS

# DIVISION 02 00 00 - EXISTING CONDITIONS

02 32 00 - GEOTECHNICAL DATA 02 32 00.1 - GEOTECHNICAL REPORT

#### **DIVISION 03 00 00 – CONCRETE**

03 52 16 - LIGHTWEIGHT INSULATING CONCRETE

#### DIVISION 04 00 00 - MASONRY

04 20 00 - UNIT MASONRY

#### DIVISION 05 00 00 – METALS

05 50 00 - METAL FABRICATIONS 05 52 13 - PIPE AND TUBE RAILINGS

#### **DIVISION 06 00 00 - WOOD, PLASTICS & COMPOSITES**

06 10 00 - ROUGH CARPENTRY 06 20 00 - MILLWORK AND FINISH CARPENTRY 06 61 16 - SOLID SURFACING FABRICATIONS

#### **DIVISION 07 00 00 - THERMAL AND MOISTURE PROTECTION**

07 11 13 - BITIMINOUS DAMPPROOFING 07 21 00 - BUILDING INSULATION 07 21 19 - FOAMED-IN-PLACE INSULATION 07 26 00 - FLUID APPLIED AIR BARRIER 07 42 13 - PREFORMED METAL WALL PANELS 07 42 13.1 - INSULATED METAL WALL PANELS 07 42 15 - PREFORMED METAL SOFFIT PANELS 07 52 19 - MOD BIT ROOFING SYSTEM 07 62 00 - ROOF RELATED SHEET METAL-ADD 2 07 65 00 - FLEXIBLE FLASHING 07 65 26 - MEMBRANE THROUGH-WALL FLASHING 07 72 00 - ROOF ACCESSORIES-ADD 3 07 72 33 - ROOF HATCH 07 84 00 - FIRESTOPPING 07 90 00 - JOINT PROTECTION 07 95 13 - EXPANSION JOINT COVER ASSEMBLIES

#### **DIVISION 08 00 00 - OPENINGS**

08 11 00 - HOLLOW METAL DOORS & FRAMES 08 15 13 - PLASTIC LAMINATE FACED WOOD DOORS 08 31 13 - ACCESS DOORS AND FRAMES 08 33 00 - ROLLING GRILLES 08 33 02 - ROLLING COUNTER SHUTTERS 08 41 13 - ALUMINUM ENTRANCES AND STOREFRONTS 08 44 13 - ALUMINUM CURTAIN WALL SYSTEM 08 71 00 - DOOR\_HARDWARE 08 80 00 - GLASS AND GLAZING 08-88-53 - SECURITY GLAZING

#### **DIVISION 09 00 00 - FINISHES**

09 21 16 - GYPSUM BOARD ASSEMBLIES 09 30 00 - TILING 09 51 00 - SUSPENDED ACOUSTICAL CEILINGS 09 54 23 - LINEAR METAL CEILINGS 09 64 55 - RESILIENT WOOD FLOOR-STAINED SURFACE 09 65 00 - RESILIENT FLOORING 09 65 13 - RESILIENT BASE Prototype #2 - Elementary School #38 Lamar CISD

09 65 25 - VINYL TILE PLANK FLOORING (LVT)

- 09 66 13 PORTLAND CEMENT TERRAZZO FLOORING
- 09 67 23 RESINOUS FLOORING
- 09 68 16 CARPET

Project #24-028

- 09 72 00 PRESENTATON DRY-ERASE WALLCOVERING
- 09 72 00 WALL COVERING
- 09 84 13 FABRIC COVERED ACOUSTICAL PANELS
- 09 90 00 PAINTING AND COATING

#### **DIVISION 10 00 00 - SPECIALTIES**

- 10 05 00 MISCELLANEOUS SPECIALTIES
- 10 11 00 VISUAL DISPLAY BOARDS
- 10 14 00 ARCHITECTURAL SIGNAGE
- 10 21 16 SOLID PLASTIC TOILET PARTITIONS
- 10 21 23 CUBICLE CURTAINS AND TRACK
- 10 22 26 OPERABLE PARTITIONS
- 10 26 13 CORNER GUARDS
- 10 28 00 TOILET AND BATH ACCESSORIES
- 10 44 13 FIRE EXTINGUISHERS AND CABINETS
- 10 51 13 WEAPONS RACK
- 10 56 13 METAL STORAGE SHELVING
- 10 73 00 PROTECTIVE COVERS
- 10 75 16 FLAGPOLE

#### **DIVISION 11 00 00 – EQUIPMENT**

- 11 16 19 RAPID ENTRY SYSTEM (FIREMAN LOCK BOX)
- 11 31 13 RESIDENTIAL APPLIANCES
- 11 40 00 FOOD SERVICE EQUIPMENT
- 11 52 13 PROJECTION SCREENS
- 11 61 43 STAGE CURTAINS
- 11 66 00 ATHLETIC EQUIPMENT
- 11 72 00 -AUTOMATED EXTERNAL DEFIBRILLATORS

#### **DIVISION 12 00 00 - FURNISHINGS**

- 12 21 13 METAL HORIZONTAL LOUVER BLINDS 12 24 13 - MOTORIZED ROLLER WINDOW SHADES 12 24 15 - MANUALLY OPERATED ROLLER WINDOW SHADES 12 32 16 - MANUFACTURED PLASTIC LAMINATE CLAD CASEWORK 12 56 00 - LIBRARY FURNITURE
- 12 93 13 BICYCLE RACKS

#### **DIVISION 32 00 00 – EXTERIOR IMPROVEMENTS**

32 31 15 - CHAIN LINK FENCING AND GATES 32 31 19 - ORNAMENTAL FENCE SYSTEM

#### END OF SECTION 00 01 10.1

#### SECTION 00 11 00 – REQUEST FOR COMPETITIVE SEALED PROPOSALS

Competitive Sealed Proposals for the work identified below in accordance with Proposal Documents and addenda as may be issued prior to date of proposal opening will be received by the Board of Trustees, Lamar Consolidated Independent School District, until proposal closing date and time, as identified below. Proposals from Offerors will then be opened in public and read aloud.

OWNER:	Lamar Consolidated Independent School District 3911 Avenue I Rosenberg, Texas 77471 Phone: (832) 223 - 0250 Representative: Kevin McKeever			
PROJECT:	Prototype #2 - Elementary School #38 522 Brookewater Blvd Rosenberg, TX 77471			
EST. BUDGET:	\$40,000,000.00	).00		
PREPROPOSAL CONFERENCE:	December 20, 2024, at 10:00 AM Location: Bond Program Office: 5015 Commodore Drive, Rosenberg, Texas77471 Representatives of the Architect, Owner will be present at this meeting. All proposers are encouraged to attend.			
PROPOSAL DATE AND TIME:	January 21, 2025, at 2:00 PM – Base and Alternates Proposals			
LOCATIONOF PROPOSALOPENING:	LCISD Service Center 4901 Avenue I, Rosenberg, Texas 77471			
ARCHITECT:	Pfluger Architects 2 Greenway Plaza, Ste 460 Houston, Texas 77046 Phone: 713-222-1141			

Complete Proposal Package (Drawings and Specifications) may be obtained from the Architect in electronic form via AutoDesk Docs by written/ email request to the following persons:

- 1. Diedra.Shaw@pflugerarchitects.com
- 2. Jazmin.Mendez@pflugerarchitects.com
- 3. Raleigh.Sullivan@pflugerarchitects.com

No hard copies will be provided, Offerors may print the proposal package at their own expense only for the purposes of preparing their respective proposals.

Office Hours are 8:00 AM to 5:00 PM

In addition, proposal documents can be reviewed at the following locations:

Virtual Builders Exchange 7035 W. Tidwell, Bldg J, Ste 112 Houston, Texas 77098 F: (832) 613-0344 www.virtualbx.com ConstructConnect (Formerly iSqFt & CMD) Phone: (800) 364-2059

www.constructionconnect.com

Dodge Data & Analytics 4300 Beltway PI, Suite 150, Arlington, TX 76018 (877) 784-9556 www.construction.com https://dfmgr.construction.com/dfmgr/login

Submit Proposals to the Owner no later than the date and time specified. Submit proposals in duplicate in a sealed envelope in accordance with Section 0020 00 Instructions to Offerors with the following information on the face of the envelope.

Name of Offeror (General Contractor) Prototype #2 - Elementary School #38 Lamar Consolidated Independent School District CSP #: 03-2025

Attn: Ms. Brandi Pittman, Director of Purchasing & Materials Management

The Owner reserves the right to reject any and all proposals and to waive any irregularities in the Competitive Sealed Proposal process.

No proposal shall be withdrawn within 45 days after the proposal opening without the specific consent of the Owner.

**PROPOSAL BOND:** A Proposal Bond (Section 00 40 01 Proposal Bond), from a bonding company acceptable to the Owner or a certified check in an amount equal to 10% of the greatest amount proposal shall accompany each Offeror's proposal.

**PAYMENT BOND AND PERFORMANCE BOND:** A Payment Bond and Performance Bond, each in an amount equal to 100% of the Contract Sum conditioned upon the faithful performance of the Contract will be required. Please note that all bonding companies presented must be acceptable to the Owner.

The prevailing rates of wages are the minimums that must be paid in compliance with applicable laws of the State of Texas.

Offerors submitting a proposal are encouraged to visit the site. All Offerors submitting a proposal are encouraged to attend the proposal opening.

Subcontractors and Suppliers intending to submit proposals to General Construction Offerors are required to prepare proposals based on a complete set of proposal documents.

Successful Subcontractors and Supplier Offerors must retain their Proposal Documents until completion of the construction.

# Lamar Consolidated Independent School District (LCISD) CSP #: 03-2025

#### **RETURN THE FOLLOWING DOCUMENTS WITH BID/PROPOSAL PACKAGE:**

From Section 00 11 00 Request for Competitive Sealed Proposals

- 1. Solicitation Cover Sheet
- 2. Response to Criteria Questions
- 3. Competitive Sealed Proposal Form
- 4. References (email to Architect, refer to Project Schedule for date)
- 5. Interested Party. Form 1295
- 6. Certificate of Residency
- 7. Felony Conviction Notification
- 8. Conflict of Interest Questionnaire
- 9. Certificate Regarding Lobbying
- 10. Vendor Debarment Statement
- 11. No Response Form (*if choosing not to submit a response*)
- 12. Proposal Submission Form
- 13. Contractor Certification
- 14. Texas Statutory Performance Bond
- 15. Texas Statutory Payment Bond
- 16. Texas Government Code 2270 Verification Form

Refer to Section 00 20 00 Instructions to Offerors, for additional form requirements

# Lamar Consolidated Independent School District (LCISD) Solicitation Cover Sheet

CSP #

Due Date:

January 21, 2025

DUE NO LATER THAN 2:00 PM (CST) LATE PROPOSALS WILL NOT BE ACCEPTED

03-2025

# Competitive Sealed Proposal (CSP): 03-2025 Prototype #2 - Elementary School #38

Company Name					
Company Address					
0.1					
City		State		Ζιр	
Taxpayer I.D. #	1				
Telephone	Fax		E-mail		
Billing Address if different from above					
Authorized Representative Name					
Authorized Representative Signature					

Your signature attests to your offer to provide the goods and/or services in this solicitation according to the published provisions of this solicitation. Contract is not valid until LCISD Board has approved the award.

Competitive Sealed Proposal (CSP): Prototype #2 - Elementary School #38				
Purpose of Solicitation	The intention of this solicitation is to solicit proposals to establish a			
Purpose of Solicitation	contract to provide:			
	Prototype #2 - Elementary School #38			
	The estimated Project Budget for this project is \$40,000,000.00.			
Length of Solicitation	Single purchase instrument awarded with Lamar CISD Board approval.			
Terms and Conditions	This solicitation shall be governed by the following documents which are incorporated herein.			
	A copy may be obtained at <u>http://www.lcisd.org/departments/business-office/purchasing/terms-and-conditions</u> or by contacting the Lamar CISD Purchasing Dept. staff listed on the cover sheet. Any exception to the terms and conditions must be included in the Proposer's response. Texas Education Code 44.031 and Government Code 2269 Purchasing and Acquisition, LCISD Policy CH (Legal) Purchasing and Acquisition, LCISD Policy CH (Local) LCISD reserves the right to award this contract as best meets the district			
	needs to waive informalities and to reject any or all proposals.			
Response Requirements	I CISD will accent competitive sealed proposals either by mail or hand			
<u>Response Requirements</u>	delivery until <b>January 21, 2025 at 2:00 PM (CST).</b> Please make certain that the Solicitation number is written clearly on the front of your envelope. Proposals received after the opening date and time will not be accepted and will be returned unopened.			
	Submission Package must include: Two (2) Originals			
	Please use the address below:			
	Lamar CISD Service Center 4901 Avenue I, Rosenberg, TX 77471			
	For additional information contact Brandi Pittman 832-223-0166 or by email at <u>brandi.pittman@lcisd.org</u>			
	A response is required to all forms, questions and price entry listed on the Proposal Form. Leaving a line blank will be considered a "no bid" and may result in disqualification for your submission.			

# Prototype #2 - Elementary School #38 <u>PROJECT SCHEDULE</u>

# Competitive Sealed Proposal (CSP): CSP No.: 03-2025

Release Construction Documents	December 16, 2024
Pre-Proposal Conference at 10:00 AM (CST) Location: Bond Program Office: 5015 Commodore Drive, Rosenberg, Texas77471	December 20, 2024 10:00AM
Submit Contractor Qualifications (A305) and References to Architect via email	January 10, 2025 (by 2:00 PM)
Receive Proposals at 2:00 PM (CST)	
Location: Lamar CISD Service Center 4901 Avenue I, Rosenberg, TX 77471	January 21, 2025
Award Construction Contract at LCISD Board Meeting	February 20, 2025
Contractor Start Date: (upon issuance of Notice to Proceed)	February 21, 2025
Substantial Completion Dates:	May 6, 2026

#### PROPOSAL EVALUATION CRITERIA

	This proposal	l shall be e	evaluated us	sing the e	evaluation	criteria	listed below.
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	Evaluation Criteria	Point System
1	<b>Purchase price –</b> Proposal should offer a fair and reasonable price for services to be procured by Lamar CISD. Pricing will be calculated using the Price Delivery Sheet in this document.	40
2	<b>Reputation of the vendor and of the vendor's goods or services</b> – Proposer should have a solid reputation with other ISDs, government or collegiate entities that shows a high level of customer service and a high level of quality of goods or services. References will be contacted via e-mail.	10
3	<b>Quality of the vendor's goods or services –</b> Overall assessment of vendor's <b>s</b> ervices. Vendor will be expected to meet schedules and operate with minimal disruption in accordance with the outlined specifications.	10
4	Extent to which the goods or services meet the district's needs Assessment of Submitted Project Plan and Schedules	10
5	Vendor's past relationship with the district 8-10: Good business with LCISD, staff recommends use again 5-7: Good business with no documented issues <b>OR</b> never performed business with LCISD but has experience with other school districts or government entities. 1-4: Past performance was documented as being poor.	10
6	<ul> <li>Proposed team offers experience and knowledge base required for the project</li> <li>Organizational chart of proposed project team</li> <li>Resume of each proposed team member</li> </ul>	10
7	Ability to provide proper bonds and insurance requirements – Provide proof of proper insurance and bonding capacity.	5
8	Safety Record Vendor must submit copy of Experience Modifier Rate (EMR) for the last three years. The totals for the three years are calculated and averaged to receive the points below. 10 - EMR of .50 or less 8 - EMR 0.51-0.85 6 - EMR 0.86-0.99 4 - EMR greater than 1.0 2 - EMR not included	5
9	Total	100

#### **PROPOSSAL EVALUATION CRITERIA NOTES:**

Careful consideration should be given to all items of the above Evaluation Criteria table. The points awarded to each item will be based on **how well each submission**:

- 1. Provides thoroughly developed, competitive pricing using the tables in Pricing Delivery Information of this CSP.
- 2. Provides evidence of experience in general and the ability to perform services to a district similar to Lamar CISD and names & contact information for references.
- 3. Provides evidence related to the quality of services, as well as the results of references provided by each respondent.
- 4. Provides an effective plan and schedule that addresses the scope presented in therequest for proposals.
- 5. Provide list of history of projects with Lamar CISD.
- 6. Provides information describing experience and qualifications of onsite leadership and key staff to be assigned to the contracted work.
- 7. Provides an adequate and current certificate of insurance coverage.
- 8. Provides evidence of participation in an OSHA compliant safety program and any other safety policies in place.

# PROVIDE RESPONSE TO EACH OF THESE CRITERIA QUESTIONS IN YOUR BID/ PROPOSAL PACKAGE.

### PRICE DELIVERY INFORMATION **COMPETITIVE SEALED PROPOSAL FORM** Prototype #2 - Elementary School #38 (CSP): 03-2025 LAMAR CONSOLIDATED INDEPENDENT SCHOOL DISTRICT

Submitted by:

Date:

Phone No.: \_\_\_\_\_

To: Board of Trustees Lamar Consolidated Independent School District 3911 Avenue I Rosenberg, TX 77471

Having examined the Lamar CISD Purchasing Department's Proposal Documents, the Contract Documents prepared by Pfluger Architects, dated December 12, 2024, and having examined site conditions, the undersigned proposes to furnish all labor, equipment and materials and perform all work for the completion of the above- named project for the sum indicated below.

In submitting his Proposal, the undersigned agrees to the following:

- Hold proposal open for acceptance 60 days. 1.
- 2. Accept right of Owner to reject any or all proposals, to waive formalities and to accept proposal which Owner considers most advantageous.
- 3. Enter into and execute the contract, if awarded, for the Base Proposal.
- 4. Complete work in accordance with the Contract Documents within the stipulated contract time.
- By submission of this Proposal, the undersigned affirms that, to the best of his knowledge, the 5. Proposals have been arrived at independently and is submitted without collusion with anyone to obtain information or gain any favoritism that would in any way limit competition or give an unfair advantage over respondents in the award of this proposal.
- By submission of this Proposal the undersigned agrees to all provisions summarized in the 6. Lamar CISD Terms & Conditions and that his Proposal has been prepared in accordance with the Instructions given in this section.

#### I. BASE PROPOSAL

Prototype #2 - Elementary School #38

Undersigned agrees to complete the Work for the lump sum amount of:

Dollars \$

(Amount written in words governs)

(Amount in figures)

#### **II. ALTERNATES**

1. Alternate No 1: If Brookewater Blvd. is not completed by the time the school's construction is finished, provide construction and future demolition of temporary connectors from Wallingford Park Drive. This shall include all necessary work to complete the final roads and surrounding landscape fully and any additional work required for complete finalization.

[Add or Deduct] the sum of

(\$

\_\_\_\_\_and \_\_\_\_\_/100 DOLLARS \_\_\_\_\_\_) to the Base Proposal.

2. Alternate No 2: If Brookewater Blvd. is not completed by the time the school construction is finished, please provide for the construction and future demolition of a temporary rainstorm outfall that will connect to the detention area across Brookewater Blvd. This should include all necessary final connections to the permanent outfalls and any additional work required for complete finalization.

[Add or Deduct] the sum of

\_\_\_\_\_\_and \_\_\_\_\_/100 DOLLARS
(\$\_\_\_\_\_\_) to the Base Proposal.

#### **III. ALLOWANCES**

Undersigned certifies that the allowances listed below and specified in Section 01 21 00 are **included in the corresponding Base Proposal above** and agrees that the unexpended balance of allowance sums will revert to Owner in the final settlement of the contract.

A.	Owner's Contingency Allowance – Prototype #2 - ES #38	\$350,000.00
B.	Network Equipment & Phone Allowance – Prototype #2 - ES #38	\$750,000.00
C.	Cameras Only Allowance – Prototype #2 - ES #38 Provide camera equipment, installation, and integration. Cabling is included in t	\$200,000.00 the project.
D.	Access Control Allowance – Prototype #2 - ES #38 Provide equipment, installation, and integration, for head-in equipment in IDF's Hardware is included in Division 8 of the project.	\$100,000.00
E.	Utility Infrastructure Allowance – Prototype #2 - ES #38	\$30,000.00
F.	Building Controls Allowance – Prototype #2 - ES #38	\$550,000.00
G.	Supergraphics Allowance – Prototype #2 - ES #38	\$80,000.00
H.	Static pressure pumps Allowance - Prototype #2 – ES #38	<mark>\$300,000.00</mark>

#### IV. UNIT PRICES

A. Unit Price 1: Electrical Outlet

(Amount written in words governs amount written in figures)

B. Unit Price 2: Data Outlet

(Amount written in words governs amount written in figures)

C. Unit Price 3: Cubic Yard of Concrete

Dollars \$

Dollars \$

Dollars \$

D. Unit Price 4: Square Yard of Asphalt

	Dollars \$
(Amount written in words governs amount written in figures)	
E. Unit Price 5: Square Foot of Sidewalk (based on profile)	
	Dollars \$
(Amount written in words governs amount written in figures)	
F. <u>Unit Price 6: Chain Link Fencing</u>	
	Dollars \$
(Amount written in words governs amount written in figures)	
G. Unit Price 7: Ornamental Fencing	
	Dollars \$
(Amount written in words governs amount written in figures)	

#### CONTRACT TIME

The undersigned agrees that he has included all labor and materials to be substantially complete with the work defined by these contract documents. The Offeror attests and affirms that his proposal includes all necessary costs associated with overtime to substantially complete the work by the following date. The number of days to be anticipated as delay days shall be included as specified in Document 00 73 00 – LCISD Supplementary Conditions to the Contract for Construction and managed by the Project Team in accordance with this section and as otherwise stated in the Project Manual.

Undersigned agrees to begin Work upon Notice to Proceed and be Substantially Complete by the dates for each scope of work.

#### V. ADDENDA

Undersigned acknowledges receipt of Addenda Nos. \_\_\_\_, \_\_\_, \_\_\_, \_\_\_\_.

#### **VI. CHANGES IN THE WORK**

Undersigned understands that changes in the work shall be performed in accordance with the Supplementary Conditions.

#### VII. LIQUIDATED DAMAGES

Undersigned understands that liquidated damages as defined in the Supplementary Conditions will be included in the form of Agreement between Owner and Contractor and that the contractor will be bound thereto.

#### **VIII. PROPOSED CONSTRUCTION SCHEDULE**

Attach a preliminary construction schedule for use in evaluating the Offeror's proposal.

It is understood that the right is reserved by the Owner to reject any or all proposals or waive any informalities in the proposal process.

Authorized Signature

Title

(Seal, if a Corporation) State whether Corporation, Partnership or Individual

Name of Contracting Firm

Address

Telephone

Date

## REFERENCES

Please provide at least four (4) school district (campus) references that have used your company for the same goods Lamar CISD is requesting in this proposal. Please include contact name, school district, address, telephone number, and e-mail address.

A <u>valid</u> e-mail address is required. Please make sure the e-mail address is legible and current.

OMPANY NAME	
DDRESS	
<i>I</i> AIL	
IONE NO.	

ADDRESS	
EMAIL	
PHONE NO.	

COMPANY NAME	
ADDRESS	
EMAIL	
PHONE NO.	

OMPANY NAME	
DDRESS	
ЛАІС	
IONE NO.	

# **RETURN THIS DOCUMENT TO ARCHITECT VIA EMAIL**

#### LAMAR CISD CERTIFICATE OF INTERESTED PARTIES – FORM 1295

# Certificate of Interested Parties (Form 1295 – must be filled out electronically with the Texas Ethics Commission's online filing application, printed out, signed, notarized, and submitted with proposals or qualifications to Lamar CISD.

Lamar CISD is required to comply with House Bill 1295, which amended the Texas Government Code by adding Section 2252.908, Disclosure of Interested Parties. Section 2252.908 prohibits Lamar CISD from entering into a contract resulting from this solicitation with a business entity unless the business entity submits a Disclosure of Interested Parties (Form 1295) to Lamar CISD at the time business entity submits the signed contract/proposal/qualifications. The Texas Ethics Commission has adopted rules requiring the business entity to file Form 1295 electronically with the Texas Ethics Commission.

#### "Interested Party" means a person:

- a) who has a controlling interest in a business entity with whom Lamar CISD contracts; or
- b) who actively participates in facilitating the contract or negotiating the terms of the contract, including a broker, intermediary, adviser, or attorney for the business entity.

*"Business Entity"* means an entity recognized by law through which business is conducted, including a sole proprietorship, partnership, or corporation.

# As a "business entity." all vendors must electronically complete. print. sign. notarize. and submit Form 1295 with their proposals even if no interested parties exist.

Proposers must file Form 1295 electronically with the Texas Ethics Commission using the online filing application, which can be found at <a href="https://www.ethics.state.tx.us/whatsnew/elf\_info\_form1295.htm">https://www.ethics.state.tx.us/whatsnew/elf\_info\_form1295.htm</a>. Proposers must use the filing application on the Texas Ethics Commission's website to enter the required information on Form 1295. Proposers must print a copy of the completed form, which will include a certification of filing containing a unique certification number. The Form 1295 must be signed by an authorized agent of the business entity, and the form must be notarized.

The completed Form 1295 with the certification of filing must be filed with Lamar CISD by attaching the completed form to the vendor's proposal.

Lamar CISD must acknowledge the receipt of the filed Form 1295 by notifying the Texas Ethics Commission of the receipt of the filed Form 1295 no later than the 30<sup>th</sup> day after the date the contract binds all parties to the contract. After Lamar CISD acknowledges the Form 1295, the Texas Ethics Commission will post the completed Form 1295 to its website with seven business days after receiving notice from Lamar CISD.

I have read and understand the above information regarding the Certificate of Interested Parties Form 1295. I understand the action needed on my part as an interested party. I also understand that the 1295 filing form shall be returned with RFP response.

Acknowledgement Signature: \_\_\_\_\_

Printed Name:

Date: \_\_\_\_\_

# CERTIFICATE OF RESIDENCY

The State of Texas has passed a law concerning non-resident contractors. This law can be found in Texas Education Code under Chapter 2252, Subchapter A. This law makes it necessary for LCISD to determine the residency of its proposers. In part, this law reads as follows:

"Section: 2252.001

- (3) 'Non-resident bidder' refers to a person who is not a resident.
- (4) 'Resident bidder' refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.
- Section: 2252.002

A governmental entity may not award a governmental contract to a nonresident bidder unless the nonresident underbids the lowest bid submitted by a responsible resident bidder by an amount that is not less than the amount by which a resident bidder would be required to underbid the nonresident bidder to obtain a comparable contract in the state in which the nonresident's principal place of business is located."

I certify that	
(Name o	f Company)
is, under Section: 2252.001 (3) and (4), a	Resident Bidder
	Non-resident Bidder
My or Our principal place of business under Section	on: 2252.001 (3) and (4), is in the city of
in the state of	
Signature of Authorized Company Representative	
Print Name	
Title	Date

# FELONY CONVICTION NOTIFICATION

State of Texas Legislative Senate Bill No. 1, Section 44.034, Notification of Criminal History, Subsection (a), states "a person or business entity that enters into a contract with a school district must give advance notice to the district if the person or an owner or operator of the business entity has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of afelony".

Subsection (b) states "a school district may terminate a contract with a person or business entity if the district determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The District must compensate the person or business entity for services performed before the termination of the contract".

#### This notice is not required of a Publicly-Held Corporation.

Vendor's Name: Authorized Company Official's Name(Printed):
Authorized Company Official's Name(Printed):
Obselvence of the following and size as any provise
Check one of the following and sign as appropriate.
My firm is a publicly held corporation; therefore, this reporting requirement is not applicable.
Signature of Company Official:
My firm is not owned or operated by anyone who has been convicted of a felony.
Signature of Company Official:
My firm is owned or operated by the following individual(s) who has/have been convicted of a felony:
Name of Felon(s):
Details of Conviction(s):
Signature of Company Official:

This questionnaire reflects changes made to the law by H.B. 1491, 80th Leg., Regular Session.       OFFICE US ONLY         This questionnaire is being filed in accordance with Chapter 176, Local Government Code by a person who has a business relationship as defined by Section 176,000(1-a) with a local governmental entity and the person meters requirements under Section 176,006, Local Government offacts that require the statement to be filed. See Section 176,006, Local Government Code.       Date Received         By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176,006, Local Government Code.       Date Received         A person commits an offense if the person knowingly violates Section 176,006, Local Government and company who has a business relationship with local governmental entity.       Image: Coal Government Code.         I are than the 7th business day after the date the originally filed questionnaire.       Image: Coal Government officer with whom file rhas employment or business relationship.         Please enter name of local government officer with whom filer has an employment or other business relationship as defined by Section 176,001(1-a), Local Government Code. Attach addition pages to this Form ClQ as necessary.         A Is the local government officer named in this section receiving or likely to receive taxable income, so not received from the local government officer named in this section AND the taxable income, is not received from the local government officer or and in this section AND the taxable income is not received from the local government officer or business relation	For vendor or other person doing business with local governmental	<u>STS</u> entity
This questionnaire is being filed in accordance with Chapter 176. Local Government Code by a person who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the person meets requirements under Section 176.006(a).       Date Received         By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.       Date Received         Name of person and company who has a business relationship with local governmental entity.       Check this box if you are filing an update to a previously filed questionnaire.       This vequires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)         Please enter name of local government officer with whom filer has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach addition pages to this Form ClQ as necessary.         A is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the filer of the questionnaire?       Yes       No         B. Is the filer of the questionnaire receiving or likely to receive taxable income is not received from the local government officer named in this section on the business entity with respect to which the local government officer receives as an officer or director, or holds an ownership of 10 percentormore?       Yes       No<	This questionnaire reflects changes made to the law by H.B. 1491, 80th Leg., Regular Session.	
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### CERTIFICATION REGARDING LOBBYING CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS

The undersigned certifies, to the best of his or her knowledge and belief, that:

- 1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of a Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- 2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instruction.
- 3) The undersigned shall require that the language of this certification be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants and contracts under grants, loans, and cooperative agreements) and that all sub recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, US Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Company

Authorized Representative (Print)

Signature

Date

# VENDOR DEBARMENT STATEMENT

I have read the conditions and specifications provided in the bid document attached.

I affirm, to the best of my knowledge, the company I represent has not been debarred or suspended from conducting business with school districts in the State of Texas. This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 7 CFR Part 3017, Section 3017.510, Participants' responsibilities. The regulations were published as Part IV of the January 30, 1989, Federal Register (pages 4722-4733). Copies of the regulation may be obtained by contacting the Department of Agriculture Agency with which this transaction originated.

NAME OF COMPANY (Ple	ase Type)		
MAILING ADDRESS	CITY	STATE	ZIP
PREPARED BY (Please Ty	vpe)		
SIGNATURE	TITLE		
TELEPHONE NUMBER	FAX NUMBER		DATE

# NO RESPONSE FORM

# RETURN ONLY IF YOU CHOOSE NOT TO SUBMIT A RESPONSE TO THIS SOLICITATION

## YOU MAY EMAIL THIS FORM TO ARCHITECT

### <u>Competitive Sealed Proposal CSP: 03-2025</u> Prototype #2 - Elementary School #38

Whereas on the \_\_\_\_\_ day of \_\_\_\_\_, 2022.

Name of company

has reviewed LCISD's CSP # 03-2025 and elects not to submit a bid:

State Reason for no bid:

Street Address

City	State	Zip
------	-------	-----

Telephone/Fax Number

Name of Authorized Individual

Signature of Authorized Individual
# **PROPOSAL SUBMISSION FORM**

# <u>Competitive Sealed Proposal CSP: 03-2025</u> Prototype #2 - Elementary School #38

Please Print				
Whereas on the	day of	, 2	20	(print name of company)
				has reviewed
Solicitation No. <u>CSP 03</u> incorporated herein.	<u>-2025</u> and has responded	in accordance wit	h the	e terms and conditions which are
A copy may be obtained or by contacting the LC conditions must be inclu	d at <u>http://www.lcisd.org/de</u> ISD Purchasing staff perso uded in the Proposer's res <sub>t</sub>	epartments/busine on listed on the co ponse.	<u>ss-oi</u> ver s	ffice/purchasing/terms-and-conditions sheet. Any exception to the terms and
Texas Education Code 44.031 and Government Code 2269 Purchasing and Acquisition, LCISD Policy CH (Legal) Purchasing and Acquisition, LCISD Policy CH (Local)				
Street Address				City, State, Zip Code
Telep	hone Number			Fax Number
Name of Au	uthorized Individual		Sign	ature of Authorized Individual

# RETURN THIS DOCUMENT IN BID/PROPOSAL PACKAGE

# **Contractor Certification**

**Introduction:** Texas Education Code Chapter 22 requires entities that contract with school districts to obtain criminal history records on covered employees. Covered employees with disqualifying criminal histories are prohibited from serving at a school district. Contractors must certify to the district that they have complied and must obtain similar certifications from their subcontractors.

# **Definitions:**

*Covered individuals*: Individual who have or will have continuing duties related to the service to be performed and have or will have direct contact with students. The District will be the final arbiter of what constitutes direct contact with students.

*Disqualifying criminal history*: (1) a conviction or other criminal history information designated by the District; (2) a felony or misdemeanor offense that would prevent a person from obtaining certification as an educator under Texas Education Code § 21.060, including 19 Tex. Admin. Code §249.16; or (3) one of the following offenses, if at the time of the offense, the victim was under 18 or enrolled in a public school: (a) a felony offense under Title 5, Texas Penal Code; (b) an offense for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedure; or (c) an equivalent offense under federal law or the laws of another state.

On behalf of	("Contractor"), I certify tha
check one:	

None of Contractor's employees are *covered individuals*, as defined above. If this box is checked, I further certify that Contractor has taken precautions or imposed conditions to ensure that Contractor's employees will not become *covered individuals*. Contractor will maintain these precautions or conditions throughout the time the contracted services are provided.

Or

Some or all of Contractor's employees are *covered individuals*. If this box is checked, I further certify that:

- 1. Contractor has obtained all required criminal history record information regarding its covered individuals. None of the covered individuals has a disqualifying criminal history.
- 2. If Contractor receives information that a covered individual subsequently has a reported criminal history, Contractor will immediately remove the covered individual from contract duties and notify the District in writing within three business days.
- 3. Upon request, Contractor will provide the District with the name and any other requested information of covered individuals so that the District may obtain criminal history record information on the covered individuals.
- 4. If the District objects to the assignment of a covered individual on the basis of the covered individual's criminal history record information, Contractor agrees to discontinue using the covered individual to provide services at the District.

Noncompliance or misrepresentation regarding this certification may be grounds for contract termination.

Signature

Date

# **RETURN THIS DOCUMENT IN BID/PROPOSAL PACKAGE**

# LAMAR CISD INSURANCE REQUIREMENTS

Contractor shall maintain insurance coverage in the amounts specified in Section 00 73 00 A201 LCISD Supplementary Conditions. and furnish to District. If any work provided for or to be performed under any Specifications is sub-let (as otherwise permitted by the terms of such Specifications), the contractor shall require the subcontractor to maintain and furnish him with satisfactory evidence of *Workers* Compensation, Employer's Liability and such other forms and amounts of insurance which the contractor deems reasonably adequate. Certificates of Insurance on the current ACORD form shall be issued to District showing all required insurance coverage.

# Insurance Conditions

All insurance coverage shall be issued on an Occurrence basis (except Professional Liability) by companies acceptable to District and licensed to do business in the State of Texas by the Texas Department of Insurance. Such companies shall have a Best's Key rating of at least "A-X".

All certificates must include:

- 1. The location or description and the bid number, CSP number or Purchase Order number
- 2. A 60-day notice of cancellation of any non-renewal, cancellation or material change to any of the policies
- 3. "Additional Insured" on the Property, GeneralLiability, Automobile Liability and Umbrella (Excess) Liability policies naming the District.
- 4. A "Waiver of Subrogation" clause in favor of the District will be attached to the Workers Compensation, General Liability, Automobile Liability, Umbrella Liability and the Property insurance policies.
- 5. In addition to certificates of insurance, copies of policy endorsements must be provided (a) listing the District as Additional Insured, and (b) showing waivers of subrogation in favor of the District: CG2010, CG2037, CG2404, CA0070, CA0032, WC0003 or their equivalents.

All insurance must be maintained for one year following substantial completion with Certificates of Insurance provided.

Contractor shall be responsible for payment of all deductibles; the District shall approve the deductibles selected.

If any policy has aggregate limits, a statement of claims against the aggregate limits is required.

The District reserves the right to review the insurance requirements during the effective period of any contract to make reasonable adjustments to insurance coverage and limits when deemed reasonably prudent by District based upon changes in statutory laws, court decisions or potential increase in exposure to loss.

Lamar CISD – Purchasing Dept. 4911 Avenue I, Rosenberg, TX 77471

# **TEXAS STATUTORY PERFORMANCE BOND**

Bond	No.:	

(Penalty of this bond must be 100% of contract amount)

KNOW ALL MEN BY THESE PRESENTS, that:\_\_\_\_\_

(hereinafter called the Principal), as principal, and \_\_\_\_\_

a corporation organized and existing under the laws of the State of

authorized and admitted to do business in the State of Texas and licensed by the State of Texas to execute bonds as Surety (hereinafter called the Surety), as Surety, are held and firmly bound unto

(hereinafter called the Obligee) in the amount of \_\_\_\_\_

Dollars(\$\_\_\_\_\_\_) for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the \_\_\_\_\_ day of \_\_\_\_\_, 20, for

# Prototype #2 - Elementary School #38 LAMAR CONSOLIDATED INDEPENDENT SCHOOL DISTRICT

which contract is hereby referred to and made a part hereof as fully and the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall faithfully perform the work in accordance with the plans, specifications and contract documents, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Chapter 22.53 of the Texas Government Code and all liabilities on this bond shall be determined in accordance with the provisions of said Chapter to the same extent as if it were copied at length herein.

IN WITNESS WHEREOF, the said Principal and Surety have signed and sealed this Instrument this

day o	of	, 20	
		Principal	(Seal)
Curaty Address	Ву:		(Seal)
Surety Address			(Seal)
Suraty Tolophono Number		Surety	( )
	Бу	Attorney-in-Fact	

# **RETURN THIS DOCUMENT IN BID/PROPOSAL PACKAGE**

# TEXAS STATUTORY PAYMENT BOND

Bond No.: \_\_\_\_\_

(Penalty of this bond must be 100% of contractamount)

KNOW ALL MEN BY THESE PRESENTS, that:

(hereinafter called the Principal), as principal, and

a corporation organized and existing under the laws of the State of

authorized and admitted to do business in the State of Texas and licensed by the State of Texas to execute bonds as Surety (hereinafter called the Surety), as Surety, are held and firmly bound unto

(hereinafter called the Obligee) in the amount of \_\_\_\_\_\_

Dollars(\$	) for	the	payment	whereof,	the	said	Principal	and	Surety	bind
themselves, and their heirs, a	dministrators,	exec	cutors, suc	ccessors a	and a	ssigns	, jointly a	nd se	verally,	firmly
by these presents.						-			-	-

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# Prototype #2 - Elementary School #38 LAMAR CONSOLIDATED INDEPENDENT SCHOOL DISTRICT

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	Бу	Attorney-in-Fact	
	 Bv:	Surety	(Oeal)
Witness			(Seal)
	Bv:		(Seal)
Witness:		Principal	(Seal)

# **Certification Regarding Terrorist Organizations and Boycott of Israel**

Contractor hereby certifies that it is not a company identified on the Texas Comptroller's list of companies known to have contracts with, or provide supplies or services to, a foreign organization designated as a Foreign Terrorist Organization by the U.S. Secretary of State under federal law.

Contractor hereby certifies and verifies that neither Contractor, nor any affiliate, subsidiary, or parent company of Contractor, if any (the "Contractor Companies"), boycotts Israel, and contractor agrees that Contractor and Contractor Companies will not boycott Israel during the term of this Agreement. For purposes of this Agreement, the term "boycott" shall mean and include terminating business activities or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory.

(Continued next page)

# Texas Government Code 2270 Verification Form

Texas 2017 House Bill 89 has been signed into law by the governor and as of September 1, 2017 will become law codified as Texas Government Code § 2270 and 808 et seq.

The relevant section addressed by this form reads as follows: Texas Government Code Sec. 2270.002. PROVISION REQUIRED IN CONTRACT. A governmental entity may not enter into a contract with a company for goods or services unless the contract contains a written verification from the company that it: (1) does not boycott Israel; and (2) will not boycott Israel during the term of the contract.

l,	as an authorized
representative of	

, a contractor engaged by

Insert Name of Company

Insert Name of Texas Governmental Entity

Address of Texas Governmental Entity

verify by this writing that the above-named company affirms that it (1) does not boycott Israel; and (2) will not boycott Israel during the term of this contract, or any contract with the above- named Texas governmental entity in the future. I further affirm that if our company's position on this issue is reversed and this affirmation is no longer valid, that the above-named Texas governmental entity will be notified in writing within one (1) business day and we understand that our company's failure to affirm and comply with the requirements of Texas Government Code 2270 et seq. shall be grounds for immediate contract termination without penalty to the above-named Texas governmental entity.

I swear and affirm that the above is true and correct.

Signature of Named Authorized Company Representative

Date

# RETURN THIS DOCUMENT IN BID/PROPOSAL PACKAGE

# SECTION 01 21 00

ALLOWANCES

PART 1 - GENERAL

ALL

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

# 1.02 SUMMARY

- A. This Section includes administrative and procedural requirements governing allowances.
- 1. Selected materials and equipment are specified in the Contract Documents by allowances. In some cases, these allowances include installation. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when additional information is available for evaluation. If necessary, additional requirements will be issued.

# 1.03 SELECTION AND PURCHASE

- A At the earliest practical date after award of the Contract, advise the Architect of the date when the final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. At the Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by the Architect from the designated supplier.

# 1.04 SUBMITTALS

- A Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.
- B. Submit invoices or delivery slips to show the actual quantities of materials delivered to the site for use in fulfillment of each allowance.

# 1.05 BETTERMENT AND CONTINGENCY ALLOWANCES

- A Use the betterment and contingency allowance only as directed by Architect and Owner for the Owner's purposes and only by Contingency Allowance Expenditure Authorization that indicate amounts to be charged to the allowance.
- B. Contingency Allowance Expenditure Authorizations authorizing use of funds from the betterment and contingency allowance will include Contractor's related material and labor costs. Overhead and profit for betterment and contingency allowances is included in contract sum and therefore contractor overhead and profit shall not be added to cost amounts charged to this allowance.
- C. At Project closeout, credit 100% unused amounts remaining in the betterment and contingency allowance to the Owner by Change Order.

# 1.06 STIPULATED SUM ALLOWANCES

A Use the stipulated sum allowance for the purchase of materials, labor, installation, overhead and profit to be included in the contract sum. Any difference in cost and allowance will be returned to the Owner.

PART 2 - PRODUCTS (Not Applicable)

- PART 3 EXECUTION
- 3.01 EXAMINATION
  - A. Examine products covered by an allowance promptly upon delivery for damage or defects.
- 3.02 PREPARATION
  - A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.
- 3.03 SCHEDULE OF ALLOWANCES:
  - A. REFER TO SECTION 00 11 00 REQUEST FOR COMPETITIVE SEALED PROPOSALS FOR THE LIST OF ALLOWANCES.

END OF SECTION 01 21 00

# SECTION 01 23 00

# **ALTERNATES**

PART 1 - GENERAL

- 1.1 SUMMARY
  - A. This Section includes administrative and procedural requirements governing Alternates.
- 1.2 DEFINITIONS
  - A. Definition: An alternate is an amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if the Owner decides to accept a corresponding change in either the amount of construction to be completed, or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  - B. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate the Alternate into the Work. No other adjustments are made to the Contract Sum.

# 1.3 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent Work as necessary to completely and fully integrate that Work into the Project.
- B. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not mentioned as part of the Alternate. Include as part of each alternate, costs coordination, modification, and/or adjustment to accommodate the accepted alternate.
- C. Notification: Immediately prior to the beginning of each phase of construction, the Owner shall notify the Contractor and Architect of the status of whether alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- PART 2 PRODUCTS (Not Used)
- PART 3 EXECUTION
- 3.1 GENERAL
  - A. Execute accepted alternates under the same conditions as other Work of this Contract.
- 3.2 SCHEDULE OF ALTERNATES
  - A. REFER TO THE DRAWINGS FOR THE LIST OF ALTERNATES.

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# 2. RE: SHEET A0.01 FOR PARTITION TYPE SCHEDULE 3. RE: G0.04 & G0.05 SHEETS FOR GRAPHIC EXTENT OF FIRE RATED PARTITIONS. 4. RE: SPECIFICATIONS FOR LOCATION OF SOUND ATTENUATION BLANKETS. 5. DIMENSIONS SHOWN ON THE FLOOR PLANS ARE TO THE FACE OF STUD/FACE OF CMU/FACE OF TILT WALL OF INTERIOR WALLS, UNLESS OTHERWISE INDICATED. 6. ALL SINKS AND LAVATORIES SHALL BE MOUNTED SO THAT THE CENTERLINE OF THE FIXTURE IS 1'-3" MIN. TO THE FACE OF ADJACENT FIXED EQUIPMENT, PARTITIONS, CASEWORK, WALLS, ETC. AND 1'-3" MIN. TO THE CENTER OF AN ADJACENT FIXTURE. 7. REFER TO SHEETS A3 SHEETS FOR TOILET ROOM DESIGNATIONS, TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES AND TOILET ACCESSORIES. 8. PROVIDE MINIMUM 1'-0" CLEAR FLOOR SPACE AT THE PUSH SIDE OF EVERY DOOR WITH A CLOSER & LATCH. PROVIDE MINIMUM 1'-6" CLEAR AT THE PULL SIDE OF EVERY DOOR, UNLESS SPECIFICALLY DIMENSIONED, NOTED, OR SHOWN OTHERWISE. FLOOR PLAN LEGEND NEW CONSTRUCTION \_\_\_\_\_ EXISTING/ NOT IN SCOPE EXPANSION JOINT 20 A101 EXTERIOR ELEVATION TAG INTERIOR ELEVATION TAG 1/ A101 Ref 1 SIM BUILDING SECTION TAG 1 A101 SIM WALL SECTION TAG 21 / A101\_\_\_\_ ENLARGED CALL OUT DOOR TAG 101

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# FLOOR PLAN GENERAL NOTES

1. REFER TO SHEET A 0.00 FOR ADDITIONAL GENERAL NOTES.

HOLLOW METAL WINDOW TAG ALUMINUM STOREFRONT TAG

PARTITION TAG

5' DIAMETER ADA TURN AROUND



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LEVEL 01 - AREA B SCALE: 1/8" = 1'-0"



N





# 5' DIAMETER ADA TURN AROUND



						DC	OR S	CHEDU	ILE							
NUMBER REA A	PANEL PAIR	Door PAIR	WIDTH	PAN HEIGHT	el Type	MATERIAL	FR TYPE	AME MATERIAL	Fire Rating	*Glazing Finish	HARDWARE	HEAD	DETAILS JAMB	THRESHOLD	REMARKS	DOOR SIGNAGE
A100	Pair	Yes	6'-0"	7'-0"	C	AL	A	AL		GL2	1.0			9/A8.09	2	D
A100A A101	Pair	Yes No	6'-0" 3'-0"	7'-0"	C C	AL	Q AL1	AL		GL2 GL2	6.0 7.0	7/A8.07	4/A8.07	9/A8.09	2	B
A102		No	3'-0"	7'-0"	A	SCW	AL1	AL			27.0	7/A8.07	4/A8.07		_	A
A103		No	3'-0"	7'-0"	C	AL	AL2	AL		GL2	2.0	11/A8.09	6/A8.09		2	D
A104 A104A		No	3'-0"	/'-0" 7'-0"	C C	AL	P Al 1	AL		GL2 GL2	7.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07		2	C C
A104B		No	3'-0"	7'-0"	C	AL	AL1	AL		GL2	7.0	7/A8.07	4/A8.07		2	C
A105		No	3'-0"	7'-0"	А	SCW	4	AL			26.0	7/A8.07	4/A8.07			В
A106		No	3'-0"	7'-0"	A	SCW	4	AL			26.0	7/A8.07	4/A8.07			B
A107 A107A		No	3-0	7-0	A	SCW	4 AL1	AL			26.0	7/A8.07	4/A8.07 4/A8.07			B
A108		No	3'-0"	7'-0"	A	SCW	4	AL			26.0	7/A8.07	4/A8.07			B
A109		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	5.0	7/A8.07	4/A8.07		2	C
A109A A110		No	3'-0"	7'-0"	A	SCW	AL1 AL1	AL		GL3	5.0 27.0	7/A8.07 7/A8.07	4/A8.07		2	A
A111		No	3'-0"	7'-0"	В	SCW	AL1	AL			12.0	7/A8.07	4/A8.07			C
A112		No	3'-0"	7'-0"	В	SCW	AL1	AL			21.0	7/A8.07	4/A8.07			C
A113		No	3'-0"	7'-0"	B	SCW	AL1	AL		CL 2	21.0	7/A8.07	4/A8.07		0	C
A114 A114A		No	3'-0"	7'-0"	B	SCW	AL2	AL		GL2 GL3	17.0	7/A8.07	4/A8.07		2	C
A115		No	3'-0"	7'-0"	A	SCW	AL1	AL			26.0	7/A8.07	4/A8.07			B
A116		No	3'-0"	7'-0"	A	SCW	AL1	AL			27.0	7/A8.07	4/A8.07			A
A117 A118		NO No	3'-0"	/'-0" 7'_0"	A A	SCW	AL1	AL AI	90 MIN		27.0	7/A8.07	4/A8.07 4/A8.07			A C
A119		No	3'-0"	7'-0"	В	SCW	AL1	AL			12.0	7/A8.07	4/A8.07			C
A120		No	3'-0"	7'-0"	A	SCW	AL1	AL			4.0	7/A8.07	4/A8.07		2	С
A121		No	3'-0"	7'-0"	A	SCW	4	AL			20.0	7/A8.07	4/A8.07			C
A122		No	3'-0"	/ -U 7'-0"	A	SCW	4	AL			26.0	7/A8.07	4/A0.07			B
A124		No	3'-0"	7'-0"	A	SCW	4	AL			26.0	7/A8.07	4/A8.07			В
A125		No	3'-0"	7'-0"	A	SCW	AL1	AL		01.5	11.0	7/A8.07	4/A8.07			C
A126		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	25.0	7/A8.07	4/A8.07	0/48.00	2	B
A120B		No	3'-0"	7'-0"	C	SCW	28	AL		GL2 GL3	25.0		4/A8.07	9/A0.09	2	C
A128A		No	3'-0"	7'-0"	С	SCW	21	AL		GL3	25.0		4/A8.07			С
A129		No	3'-0"	7'-0"	C	SCW	28	AL		GL3	25.0		4/A8.07			C
A129A A130		No	3'-0"	/'-0" 7'-0"	C C	SCW	27	AL		GL3 GL3	25.0		4/A8.07			C
A130A		No	3'-0"	7'-0"	C	SCW	27	AL		GL3	25.0		4/A8.07			C
A131		No	3'-0"	7'-0"	С	SCW	28	AL		GL3	25.0		4/A8.07			С
A131A	Dair	No	3'-0"	7'-0"	C	SCW	21	AL		GL3	25.0		4/A8.07			C
A132 A132A	Pair	Yes	6'-0"	7-0	C	SCW	к 15	AL		GL3 GL3	9.0					C C
A133		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	12.0	7/A8.07	4/A8.07			C
(A134)		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	(12.0)	7/A8.07	4/A8.07			С
A135AZ1X		No	3'-0"	7'-0" 7'-0"	B	SCW	AL1	AL		GL3	23.0 212	7/A8.07	4/A8.07			C
A135B		No	3'-0"	7'-0"	C	SCW	25	AL		GL3	26.0	1/A0.07	4/A0.07			B
A137			21'-0"	12'-6"							29.1	4/A8.04	2/A8.04		5, 11	
A138			21'-0"	12'-6"							29.1	4/A8.04	2/A8.04		5, 11	
A139			21'-0"	12'-6"							29.1	4/A8.04	2/A8.04		5, 11	
EAB	$\sim$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	$\sim\sim\sim$	$\sim\sim\sim$	$\sim\sim$	$\sim\sim\sim$	$\sim$	$\sim \sim \sim$	$\sim \sim$	$\sim\sim$	$\sim\sim\sim$	$\sim\sim\sim$	$\sim\sim$	$\sim\sim\sim$	$\sim\sim\sim$	$\sim\sim$
B100			9'-0"	12'-0"	K	MTL		MTL			29.0	4/A8.04	7/A8.04		5	
					$\langle          $		Υ <u></u> Υ		$\langle \langle \rangle \rangle$			${\xrightarrow}$	<u>í X</u> X			$\mathbb{X}$
					L'									9/A0.09	teres to the second sec	
B101C		No Yo	3'-0"	7'-0"	r r	AL	E1	AL	r r	GL2	1.0		r r	9/A8.09	$\frac{r}{2}$	D
MBH03		Monn	- July and		ryn	M SCH			m	m	15.0	7/48.07	4/48.07	hun	m	fer s
B104 B105		No	3'-0"	/'-0" 7'-0"	A R	SCW	AL1	AL AI			26.0	7/A8.07	4/A8.07			B
B106		No	3'-0"	7'-0"	B	SCW	AL1	AL			12.0	7/A8.07	4/A8.07			C
B107		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			В
B108		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
B109 B110		No	3'-0" 3'-0"	/'-U" 7'-N"	R R	SCW SCW	AL1 AL1	AL		GL3 GL3	23.0	7/A8.07	4/Að.U/ 4/A8 07			B
B111		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			-
B112		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			В
B113		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
B114 B115		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			
B116		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			В
B117		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
B118 R110		N0 No	3'-0" 3'-0"	/'-0" 7'_0"	B R	SCW	AL1	AL AI		GL3 GL3	23.0	7/A8.07	4/A8.07 4/A8.07			B
B120		No	3'-0"	7'-0"	A	SCW	AL1	AL			27.0	7/A8.07	4/A8.07			A
B121		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			В
B122		No	3'-0"	7'-0"	A	SCW	AL1	AL			(27.0)	7/A8.07	4/A8.07			A
B123 R124		N0 No	3'-0" 3'-0"	/'-0" 7'_0"	B R	SCW	AL1	AL AI			14.0 <u>Z1</u> 12.0	7/A8.07	4/A8.07 4/A8.07			C
B125		No	3'-0"	7'-0"	A	SCW	AL1	AL			11.0	7/A8.07	4/A8.07			C
B126	-	No	3'-0"	7'-0"	В	SCW	AL1	AL			14.0	7/A8.07	4/A8.07			C
B127		No	3'-0"	7'-0"	A	SCW	AL1	AL			5.0	7/A8.07	4/A8.07		2	C
B128 R129		NO No	3'-0"	/'-0" 7'_0"	R B	SCW	AL1 AL1	AL AI			11.0	7/A8.07	4/A8.07 4/A8.07			C
B130		No	3'-0"	7'-0"	A	SCW	AL1	AL			28.0	7/A8.07	4/A8.07			A
B131		No	3'-0"	7'-0"	А	SCW	AL1	AL			28.0	7/A8.07	4/A8.07			A
B132		No	3'-0"	7'-0"	A	SCW	AL1	AL			22.0	7/A8.07	4/A8.07			A
B133		NO No	3'-0"	/'-0" 7'_0"	A A	SCW	AL1	AL AI			22.U 22.0	7/A8.07	4/A8.07 4/A8.07			A
R134	1		J J-U	1 1-0		0000				1	LL.V	10.01	10.01	1	1	111
B134 B135		No	3'-0"	7'-0"	А	SCW	AL1	AL			22.0	7/A8.07	4/A8.07			A



COPY TO BE PAINTED WHITE.

6.EXTERIOR SIGNS PAINTED WITH CLEAR COAT

SIGN TYPE 'C'



— PLAM

1. ALL COPY TO BE HELVETICA MEDIUM. 2. ALL COPY TO TO BE RAISED 1/32" MIN 3. COPY STROKE WIDTH TO BE 1/4" WIDE MIN

4. SIZE OF COPY MAY BE ADJUSTED; HOWEVER, LETTERS MAY MAY NOT BE THAN 5/8" HIGH. UNLESS OTHER WISE NOTED

5. SIGN FACE AND BACK SHALL BE PLASTIC LAMINATES, AS SELECTED BY ARCHITECT. SIDES OF SIGN SHALL BE PAINTED TO MATCH SIGN FACE.

SIGN TYPE 'B' 8" - PI AM - RAISED ALL VISITORS MUST REPORT TEXT TO MAIN OFFICE - PAINT VISITANTES DEBEN FILLED REPORTARSE A LA DEMARCATION OFICINA PRINCIPAL - PLAM

NOTES: 1. ALL COPY TO BE HELVETICA MEDIUM. 2. ALL COPY TO TO BE RAISED 1/32" MIN 3. COPY STROKE WIDTH TO BE 1/4" WIDE MIN 4. SIZE OF COPY MAY BE ADJUSTED; HOWEVER, LETTERS MAY MAY NOT BE THAN 5/8" HIGH. UNLESS OTHER WISE NOTED 5. SIGN FACE AND BACK SHALL BE PLASTIC LAMINATES, AS SELECTED BY ARCHITECT. SIDES OF SIGN SHALL BE PAINTED TO MATCH SIGN FACE. COPY TO BE PAINTED WHITE. SIGN TYPE 'D'



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						DC	OR S	CHEDL	ILE							
NUMBER	PANEL PAIR	Door PAIR	WIDTH	Pan Height	NEL TYPE	MATERIAL	F TYPE	RAME MATERIAL	FIRE RATING	*Glazing Finish	HARDWARE	HEAD	DETAILS JAMB	THRESHOLD	REMARKS	DOOR SIGNAGE
REA C		No	3'-0"	7'-0"	B	SCW	4	AI		GI 3	23.0	8/A8 07	5/A8 07			B
C100		No	3'-0"	7'-0"	B	SCW	AL2	AL			14.0	8/A8.07	5/A8.07			C
C103 C105	Pair	No No	3'-0" 4'-0"	7'-0" 7'-0"	A B	SCW SCW	AL2 AL2	AL			8.0 13.0	8/A8.07 8/A8.07	5/A8.07 5/A8.07			C C
C106	Pair	No	3'-0" 6' 0"	7'-0" 7' 0"	B	SCW	AL2	AL		CI 3	26.0	8/A8.07	5/A8.07			B
C107 C107A	Pair	Yes	6'-0"	7-0	C C	AL	2	AL		GL3 GL3	9.0		5/A6.07 5/A8.07			C
C107B C107C	Pair Pair	Yes Yes	6'-0" 6'-0"	7'-0" 7'-0"	C C	AL	G G	AL		GL2 GL2	1.0	13/A8.09 13/A8.09	7/A4.09 7/A4.09	9/A8.09 9/A8.09	2	D D
C108	Pair	Yes	6'-0"	7'-0"	C	AL	1	AL		GL3	9.0	8/A8.07	5/A8.07		-	C
C108A C108B	Pair Pair	Yes Yes	6'-0"	7'-0" 7'-0"	C C	AL	1 K	AL		GL3 GL2	9.0	8/A8.07 13/A8.09	5/A8.07 7/A4.09	9/A8.09	2	D
C108C	Pair	Yes	6'-0"	7'-0"	С	AL	K	AL		GL2	1.0	13/A8.09	7/A4.09	9/A8.09	2	D
C108D C108F			0"	19'-2" 4'-0"							29.1 29.0	1/A7.07 1/A8.04	2/A4.02 5/A8.04		5, 11	
C109	Pair	No	3'-0"	7'-0"	B	SCW	AL2	AL		01.0	8.0	8/A8.07	5/A8.07			C
C112A C112B		No	3'-0"	7-0	C	SCW	22	AL		GL3 GL3	19.0		5/A6.07 5/A8.07			C
C112C		No	18'-0"	10'-0"	Δ	AL	AL HM2	НМ			29.0	1/A8.04	2/A8.04		2.8	
C112D		No	3'-0"	7'-0"	A	SCW	HM2	HM			26.0	3/A8.06	2/A8.06		2,0	B
C115 C116		No	3'-0"	7'-0" 7'-0"	A	SCW SCW	AL2 HM2	AL HM			17.0 27.0	8/A8.07 3/A8.06	5/A8.07 2/A8.06			C
C117		No	3'-0"	7'-0"	A	SCW	HM2	HM			22.0	3/A8.06	2/A8.06			C
C118 C119	Pair	No Yes	3'-0"	7'-0"	A C	SCW AL	HM2 N	HM AL		GL2	11.0	3/A8.06	2/A8.06	9/A8.09	2	D
C120	Pair	No	4'-0"	7'-0"	A	HM	HM2	HM			3.0	13/A8.08	11/A8.08		-	C
C120A C121	Pair	No Yes	3'-0"	7'-0"	A C	HM AL	HM2 N	HM AL		GL2	3.1	13/A8.08	11/A8.08	9/A8.09	2	D
	-			-						-						11
KEA D D102		No	3'-0"	7'-0"	В	SCW	AL1	AL			26.0	7/A8.07	4/A8.07			C
D103		No	3'-0"	7'-0"	A	SCW	AL1	AL		010	4.0	7/A8.07	4/A8.07		2	C
D104 D105		NO NO	3'-0"	/'-0" 7'-0"	C A	SCW1	AL1	AL		IGLJ (	22.0	7/A8.07	4/A8.07 4/A8.07			A
D106		No	3'-0"	7'-0"	A	SCW	AL1	AL			22.0	7/A8.07	4/A8.07			A
D107	Pair	No	4'-0" 3'-0"	/'-U" 7'-0"	A C	SCW	AL1 19	AL		GL3	10.1 23.0	7/A8.07	4/A8.07 4/A8.07			B
D109		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
D110 D111		No	<u> </u>	7'-0"	B	SCW	AL1 AL1	AL AL			12.0	7/A8.07	4/Að.U/ 4/A8.07			A C
D112		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	18.0	7/A8.07	4/A8.07			B
D113		No	3'-0"	7-0	B	SCW	ALT AL1	AL		GL3 GL3	23.0	7/A8.07	4/A6.07 4/A8.07			B
D114A		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			C
		NO No	3-0 	7-0	₽ Presidential Presidential	SCW SCW	ALI	AL	$\sim$	GL3	23.0 23.0	748.07	4/A0.07			B G
D116		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	18.0	7/A8.07	4/A8.07	h		B
D119		No	3'-0"	7'-0"	B	SCW	ALT ALT	AL			12.0	7/A8.07	4/A8.07			C
D120		No	3'-0" 3'-0"	7'-0" 7'-0"	B	SCW SCW	AL1	AL		GL3	18.0	7/A8.07	4/A8.07			B
D121		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
D122A		No	3'-0" 3'-0"	7'-0" 7'-0"	B	SCW SCW	AL1	AL		GL3	23.0	7/A8.07 7/A8.07	4/A8.07			C
D123		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			C
		~ ~ ~ ~ ~					$\sim$									~ ~ ~
E100			8'-0"	12'-0"	K	MTL		MTL M			29.0	4/A8.04	7/A8.04		5	
E101A	Pair Pair	Yes	<u> </u>	7'-0"	C C	AL		AL		GL2	1.0			9/A8.09 9/A8.09	2	
E101B			9'-0"	10'-0"	K	MTL		MTL			29.0	4/A8.04	7/A8.04		5	
E103 E104		No No	3'-0"	7'-0" 7'-0"	B	SCW SCW	AL1 AL1	AL		GL3 GL3	23.0 23.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07			B
E105		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			В
E106 E107		No No	3'-0"	7'-0" 7'-0"	B	SCW SCW	AL1 AL1	AL		GL3 GL3	23.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07			B
E108		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
E109 E110		No No	3'-0"	7'-0"	B	SCW	AL1 AL1	AL		GL3	12.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07			C
E111		No	4'-0"	7'-0"	B	SCW	AL1	AL			12.0	7/A8.07	4/A8.07			C
E112 E113		No	3'-0"	7'-0"	A	SCW	AL1 AL1	AL			14.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07			C
E114		No	3'-0"	7'-0"	A	SCW	6	AL			18.0	7/A8.07	4/A8.07			C
E115 E116		No No	4'-0" 3'-0"	7'-0"	B	SCW	AL1 AL1	AL		GL3	23.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07			B
E117		No	3'-0" 2' 0"	7'-0" 7' ^"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
E110 E119		No	3-0"	7'-0"	B	SCW	AL1 AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
E120		No	3'-0" 2' 0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
E121		No	3'-0"	7'-0"	A	SCW	AL1	AL			22.0	7/A8.07	4/A8.07			A
E123		No	3'-0" 3'-0"	7'-0" 7'-0"	A A	SCW SCW	AL1	AL AI			22.0	7/A8.07	4/A8.07 4/A8.07			A
E124		No	3'-0"	7'-0"	B	SCW	AL1	AL			28.0	7/A8.07	4/A8.07			C
E126 F127		No	3'-0" 3'-0"	7'-0" 7'-0"	B	SCW SCW	AL1	AL AI			28.0 <u>/1</u> 11.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07			A C
E128		No	3'-0"	7'-0"	B	SCW	AL1	AL		-	11.0	7/A8.07	4/A8.07			C
E129		No	3'-0" 3'-0"	7'-0" 7'-0"	B	SCW SCW	AL1 AL1	AL AI			14.0 5.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07		2	
E131		No	3'-0"	7'-0"	B	SCW	AL1	AL			14.0	7/A8.07	4/A8.07		-	C
REA F																
F100	Pair	Yes	6'-0"	7'-0"	C	AL	D	AL		GL2	1.0			9/A8.09	2	A
F101 F101A	Pair Pair	Yes Yes	6'-0" 6'-0"	7'-0" 7'-0"	C C	AL Al	H F	AL		GL2 GL2	1.0			9/A8.09 9/A8.09	2	D D
F101B			11'-0"	10'-0"	K	MTL	-	MTL			29.0	4/A8.04	7/A8.04		5	
F103 F104		No No	3'-0" 3'-0"	7'-0" 7'-0"	B	SCW SCW	AL1 AL1	AL		GL3 GL3	23.0 23.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07			B
F105		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
F106 F107		No No	3'-0" 3'-0"	7'-0" 7'-0"	B	SCW SCW	AL1 AL1	AL		GL3 GL3	23.0 23.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07			B
F108		No	3'-0"	7'-0"	B	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			B
F109 F110		No No	3'-0" 3'-0"	7'-0" 7'-0"	B	SCW SCW	AL1 AL1	AL		GL3 GL3	23.0 23.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07			B
F111		No	3'-0"	7'-0"	A	SCW	AL1	AL		520	11.0	7/A8.07	4/A8.07			C
F112 F113		No No	3'-0" 3'-0"	7'-0" 7'-0"	A	SCW SCW	AL1 AL1	AL		GL3	5.0 26.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07		2	C B
F114		No	3'-0"	7'-0"	C	SCW	15	AL		GL3	17.0	7/40.00	4/A8.07			B
F115 F116		No No	3'-0" 3'-0"	7'-0" 7'-0"	B	SCW SCW	AL1 AL1	AL		GL3 GL3	26.0 25.0	7/A8.07 7/A8.07	4/A8.07 4/A8.07			B
F116B		No	3'-0"	7'-0"	C	AL	F	AL		GL2	2.0			9/A8.09	2	D
F117		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07			В

INTERIOR











- 1.25 MM ALUMINUM PLAQUE (RAL 9003-



- CONTINUOUS METAL STUD

BOTH SIDES OF DOOR

FASTENED W/ SHEET METAL

- RUNNER ----

SHEET METAL

SCREWS TO

STRUT STUDS

— FLOOR

ANCHOR CLIP

SCALE: 1/4" = 1'-0"

# EXTERIOR DOOR SIGNAGE DETAIL SCALE: 1:3

DOOR SCHEDULE

PANEL					IEL		++	KAME	FIRE	*Glazing		DETAILS			1
NUMBER	PAIR	Door PAIR	WIDTH	HEIGHT	TYPE	MATERIAL	TYPE	MATERIAL	RATING	Finish	HARDWARE	HEAD	JAMB	THRESHOLD	REM
F118		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07		
F119		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07		
F120		No	3'-0"	7'-0"	В	SCW	AL1	AL		GL3	23.0	7/A8.07	4/A8.07		
F121		No	3'-0"	7'-0"	A	SCW	AL1	AL			22.0	7/A8.07	4/A8.07		
F122		No	3'-0"	7'-0"	A	SCW	AL1	AL			22.0	7/A8.07	4/A8.07		
F123		No	3'-0"	7'-0"	A	SCW	AL1	AL			22.0	7/A8.07	4/A8.07		
F124		No	3'-0"	7'-0"	A	SCW	AL1	AL			22.0	7/A8.07	4/A8.07		
F125		No	3'-0"	7'-0"	A	SCW	AL1	AL			28.0	7/A8.07	4/A8.07		
F126		No	3'-0"	7'-0"	A	SCW	AL1	AL			28.0	7/A8.07	4/A8.07		
F127		No	3'-0"	7'-0"	В	SCW	AL1	AL			11.0	7/A8.07	4/A8.07		
F128		No	3'-0"	7'-0"	В	SCW	AL1	AL			11.0	7/A8.07	4/A8.07		
F129		No	3'-0"	7'-0"	В	SCW	AL1	AL			14.0	7/A8.07	4/A8.07		
F130		No	3'-0"	7'-0"	В	SCW	AL1	AL			14.0	7/A8.07	4/A8.07		
F132		No	3'-0"	7'-0"	В	SCW	AL1	AL			14.0	7/A8.07	4/A8.07		

# **GENERAL NOTES - DOORS AND WINDOWS:**

- 1. REFER TO SHEET A8.00 FOR DOOR SCHEDULE AND FOR DOOR SIGNAGE TYPES.
- 2. REFER TO A0.02 SHEET FOR LINTEL SCHEDULES AND DOOR AND WINDOW JAMB STUD FRAMING DETAILS 1 & 3 A8.00.
- 3. ALL DOORS TO BE 1 3/4" THICK (UON)

- 4. ALL STL FRAMES TO HAVE A 2" FACE DIMENSION UON, W/ 5/8" STOP. 3/4" STOP REQUIRED FOR FIRE RATED FRAMES.
- 5. STEEL FRAME DEPTHS INDICATED IN THE DETAILS ARE NOMINAL. PROVIDE STANDARD
- WIDTH FRAME WITH THROAT OPENING APPROPRIATE TO PARTITION TYPE. 6. COORDINATE WITH MECH DOCUMENTS FOR DOOR UNDERCUTS AND DOOR LOUVERS, IF ANY.
- 7. ALL LIGHTS IN DOORS TO HAVE SAFETY GLAZING (UON).
- 8. EXTERIOR DOORS TO HAVE TINTED GLAZING (UON) AND INTERIOR DOORS TO HAVE CLEAR GLAZING.
- 9. FIELD VERIFY DIMENSIONS PRIOR TO FABRICATING FRAMES.
- 10. PROVIDE WD BLKG IN GYP BD WALLS BEHIND DOORS SCHEDULED TO HAVE WALL MOUNTED DOOR STOPS. (REFER HARDWARE SCHEDULE SUBMITTAL).
- 11. REFER DTLS A0.02, & 3A8.00 FOR TYP WINDOW AND DOOR CONTROL JOINTS IN MASONRY WALLS. REFER DTLS A0.02, & 1A8.00 FOR TYP WINDOW AND DOOR CONTROL JOINTS IN STEEL STUD FRAMED WALLS.
- 12. FLOOR MATERIAL CHANGES BETWEEN ROOMS TO OCCUR UNDER DOOR.
- 13. DOOR HARDWARE (CLOSERS, LEVERS, PANIC HARDWARE, ETC.) SHALL NOT CONFLICT WITH THE GLASS OR TRIM FOR THE LITE.
- 14. REFER TO THE SPECIFICATIONS FOR HARDWARE DESCRIPTIONS
- 15. REF. A8.00 AND SPECIFICATIONS FOR GLAZING TYPES
- 16. ALL DOORS IN SMOKE RESISTANT PARTITIONS TO HAVE POSITIVE LATCHING AND BE SMOKE TIGHT (ST)
- 17. ALL DOORS TO HAVE BOXED HEADERS UNLESS STEEL CHANNELS ARE INDICATED IN THE COMMENT COLUMN OF THE DOOR SCHEDULE OR UNLESS OTHERWISE INDICATED BY

# 18. ALL CLOSERS TO BE LOCATED ON THE ROOM SIDE OF THE DOOR WHERE INSTALLED AT CORRIDORS. IN NON CORRIDORS, CLOSERS TO BE INSTALLED AT THE ROOM SIDE FOR THE ROOM BEING SERVED BY THE OPENER

- 19. ALL FIRE RATINGS NOTED IN MINUTES
- 20. ALL EXTERIOR DOORS WITH LITES OR GLAZING TO HAVE GL2 CHILDGARD GLAZING TYPE. 21. PROVIDE 9" X 9" ALUMINUM SIGNS AT ALL EXTERIOR DOORS STARTING WITH THE FRONT DOOR WHICH SHALL BEAR THE NUMBER "1" AND PROCEED CLOCKWISE AROUND THE BUILDING TO ENSURE ALL EXTERIOR DOORS ARE NUMBERED. REF. 2/A8.00 FOR EXTERIOR DOOR SIGNAGE DETAIL

# DOOR SCHEDULE REMARKS:

# 1. NOT USED

HEAD DETAIL

- 2. REFER TO ELECTRICAL DOCUMENTS FOR POWER FOR CARD KEY ACCESS. AT DOUBLE DOORS PROVIDE ELECTRIC STRIKE AT REMOVABLE MULLION.
- 3. PROVIDE DRIP AT HEAD OF DOOR
- 4. NOT USED
- 5. MOTOR OPERATED, TYPICAL. REFER TO MEP DOC.
- 6. NOT USED
- 7. NOT USED
- 8. PROVIDE PEEP HOLE AND DOOR BELL
- 9. NOT USED
- 10. NOT USED
- 11. FOLDING PANEL PARTITION BY MANUFACTURER

# 12. NOT USED



# DOOR FRAME DETAIL @ MASONRY SCALE: 1/4" = 1'-0" GLAZING KEY:

NAME/SYMBOL DESCRIPTION



- GL2 CHILDGARD GLAZING (TEMPERED) LOW 'E' GLASS, CLEAR + CLEAR (EXTERIOR) GL2A CHILDGARD GLAZING (TEMPERED) LOW 'E' GLASS, CLEAR + CLEAR (EXTERIOR) FROSTED FRIT ON FACE 3
- CLEAR SAFETY (TEMPERED) GLASS, 1/2" GL3 THICK, 3/8" CLEAR SEALANT JOINTS BETWEEN PANELS, TYP. U.O.N. (INTERIOR)
- CHILDGARD GLAZING (TEMPERED) GL4 GLASS, 1/2" THICK, 3/8" CLEAR SEALANT JOINTS BETWEEN PANELS, TYP. U.O.N. (INTERIOR)
- GL5 SHADOWBOX INSULATED TINTED SAFETY (TEMPERED) LOW 'E' GLASS, CLEAR + CLEAR (EXTERIOR)
- GL6 1" INSULATED METAL PANEL

GLAZING FILM LOCATIONS

NOTE: REFER TO SPECIFICATIONS FOR GLAZING TYPES AND IMPACT RESISTANT GLAZING FILM REFER TO FRAME TYPE DRAWINGS FOR IMPACT RESISTANT









	CPT-1 (FIEL	D CARPET)		VCT-2							
	CPT-2 (ACC	ENT CARPET)		VCT-3							
	T-1 (TERRA	ZZO)		VCT-4 ACCENT SQUARES AT GYM							
	T-2 (TERRA	ZZO)		WF-1 (WALK OFF CARPET)							
	LVT-1 (LUXI	JRY TILE		EPF-1 (EPOXY RESIN)							
	VINYL) VCT-1		1000	WD-1 (WOOD)							
			4 4 4	SC-1 (SEALED CONCRETE)							
PROVIDE CON	TROL JOINTS (	(C.J.) AS SHOW	N & AT COLOR (	HANGES. WHERE							
CONTROL JOI	NTS ARE NOT S	SHOWN, REFER	R TO STRUCTUR	AL DWGS							
YMBOLS	6										
MW	ARKER WALL	- DRY ERASE \	WALL-COVERING								
CJ (	CONTROL JOIN	Τ*									
EJ E	EXPANSION JO	INT									
CG	CORNER GUAR	D									
HLB HORIZONTAL LOUVER BLINDS											
RS F	ROLLER SHADE	ES									
		FLOOR FIN	IISH TRANSIT	ION							
<b></b>	7	INSTALL D	IRECTION								
		WT-1 T	ILE WAINSCO	DT UP TO 4 FT							
		WT-4 S LIBRARY	ERVING LINE	, ACCENT TILE AT							
		WT-2 F	IELD RESTRO	DOM TILE - FULL							
		WT-3 A HEIGHT	CCENT REST	ROOM TILE - FULL							
PAINT P-1 MAIN W P-2 WHITE P-3 ACCEN	'ALL PAINT (SELECT CEILI T	NG AREAS)									
ROOM 100 PCON											
	FL	OOR FINISH									
* PROVIDE CONT SHOWN, REFER 1 DIMENSIONS. AT	ROL JOINTS AS O STRUCTUR/ COLOR TRANS	S SHOWN. WHI AL DWGS. REF SITIONS, PROVI	ERE CONTROL J ER TO STRUCTL DE SCORE LINE	DINTS ARE NOT IRAL DWGS FOR U.N.O.							
	M FINISH SCH	EDULE FOR FU	ILL LIST OF FINIS	SH WITHIN ROOM							

REFER TO 3A 9.35 FOR MORE INFORMATION





N



LEVEL 01 - RCP - AREA A SCALE: 1/8" = 1'-0"









# RCP DETAIL - FURR DOWN SCALE: 1" = 1'-0" 12



CONT RUNNER TRACK ANCHOR

# BULKHEAD DETAIL SCALE: 1" = 1'-0" 3















5/8" GYP BD, (PT) -

SHEET METAL CLIP

ANGLES - TYP AT

CORNER BEAD -

CORNERS

SHEET METAL CLIP ANGLES -

TYP AT CORNERS

SUSPENDED APC AS

3/4" W ACOUSTIC REVEAL,

WHITE, FRY REGLET —

CORNER BEAD -

SCHEDULED —

# **BULKHEAD DETAIL** SCALE: 1" = 1'-0"

# RCP DETAIL - TYPICAL CLOUD EDGE SCALE: 3" = 1'-0"





**RCP DETAIL - FURR DOWN** SCALE: 1" = 1'-0"

![](_page_53_Figure_21.jpeg)

# RCP DETAIL - FURR DOWN SCALE: 1" = 1'-0" 13

![](_page_53_Figure_23.jpeg)

![](_page_53_Picture_25.jpeg)

![](_page_53_Figure_27.jpeg)

- STUD FRAMING AT 16" OC

- SHEET METAL CLIP ANGLES - TYP AT CORNERS

![](_page_53_Picture_30.jpeg)

![](_page_53_Picture_32.jpeg)

![](_page_53_Picture_33.jpeg)

- CONT RUNNER TRACK ANCHOR

- GYP CEILING AS

SCHEDULED

- CORNER BEAD

— GYP BD

TO B.O. STRUCT

- STUD FRAMING AT

- STUD FRAMING AT

16" OC

16" OC

— 5/8" GYP BD

— 3/4" W ACOUSTIC REVEAL, WHITE, FRY REGLET

![](_page_54_Figure_1.jpeg)

# **MECHANICAL GENERAL NOTES:**

- 1. COORDINATE IN THE FIELD THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH CONTRACTOR AND ALL
- TRADES. 2. SENSORS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR). UNLESS OTHERWISE NOTED.
- 3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
- THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR HVAC SYSTEMS.

# MECHANICAL KEYED NOTES

- VERIFY SERVICE CLEARANCES WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
- 2 ROUTE REFRIGERANT LINES TO ASSOCIATED CONDENSING UNIT ON ROOF. SIZE LINES PER MANUFACTURER'S RECOMMENDATION.
- $\langle 3 \rangle$  ROUTE CONDENSATE PIPE AT SIZE INDICATED TO WYE TAIL PIECE. REFER TO PLUMBING DRAWINGS.
- $\langle 4 \rangle$  PROVIDE INTERNALLY INSULATED RETURN AIR ELBOW.  $\langle 5 \rangle$  RE: 1/M3.04 FOR CONTINUATION.
- $\langle 6 \rangle$  PROVIDE INTERNALLY INSULATED RETURN AIR ELBOW.

![](_page_54_Picture_14.jpeg)

![](_page_54_Picture_26.jpeg)

![](_page_55_Figure_1.jpeg)

# 1 MECHANICAL 01 FLOOR PLAN - AREA B Scale: 1/8" = 1'-0"

# **MECHANICAL GENERAL NOTES:**

- 1. COORDINATE IN THE FIELD THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH CONTRACTOR AND ALL TRADES.
- SENSORS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR). UNLESS OTHERWISE NOTED. 3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
- 4. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR HVAC SYSTEMS.

# **MECHANICAL KEYED NOTES**

- (1) VERIFY SERVICE CLEARANCES WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
- 2 ROUTE REFRIGERANT LINES TO ASSOCIATED CONDENSING UNIT ON ROOF. SIZE LINES PER MANUFACTURER'S RECOMMENDATION.
- 3 ROUTE CONDENSATE PIPE AT SIZE INDICATED TO WYE TAIL PIECE. REFER TO PLUMBING DRAWINGS.  $\langle 4 \rangle$  PROVIDE INTERNALLY INSULATED RETURN AIR ELBOW.

![](_page_55_Picture_13.jpeg)

![](_page_55_Figure_21.jpeg)

Houston 10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Salas O'Brien Registration: F-4111 Salas O'Brien Project Number: 2024-02562-00

(AB)-

CG L

(EA)

CUST. STO. E115

BC

(BD)-----

(BE)-

(BF

(DB)-

BG

![](_page_56_Figure_2.jpeg)

# **MECHANICAL GENERAL NOTES:**

- 1. COORDINATE IN THE FIELD THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH CONTRACTOR AND ALL TRADES.
- 2. SENSORS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR). UNLESS OTHERWISE NOTED.
- 3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
- 4. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR HVAC SYSTEMS.

# MECHANICAL KEYED NOTES

- VERIFY SERVICE CLEARANCES WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT. 2 ROUTE REFRIGERANT LINES TO ASSOCIATED CONDENSING UNIT ON ROOF. SIZE LINES PER MANUFACTURER'S
- RECOMMENDATION. (3) ROUTE CONDENSATE PIPE AT SIZE INDICATED TO WYE TAIL PIECE. REFER TO PLUMBING DRAWINGS.
- $\langle 4 \rangle$  RE: 1/M3.03 FOR CONTINUATION.
- $\langle 5 \rangle$  RE: 1/M3.04 FOR CONTINUATION.
- 6 ROUTE 12/3 EXHAUST AIR DRYER DUCT UP FROM LINT TRAP THRU ROOF TO GOOSENECK. RE: 12/M5.02 AND 13/M5.02 FOR MORE INFORMATION.

![](_page_56_Picture_16.jpeg)

![](_page_56_Figure_27.jpeg)

![](_page_57_Figure_1.jpeg)

# **MECHANICAL GENERAL NOTES:**

- 1. COORDINATE IN THE FIELD THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH CONTRACTOR AND ALL
- TRADES. 2. SENSORS SHALL BE MOUNTED AT +48" AFF (ABOVE FINISHED FLOOR). UNLESS OTHERWISE NOTED.
- 3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
- 4. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR HVAC SYSTEMS.

# MECHANICAL KEYED NOTES

- (1) VERIFY SERVICE CLEARANCES WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.
- 2 ROUTE REFRIGERANT LINES TO ASSOCIATED CONDENSING UNIT ON ROOF. SIZE LINES PER MANUFACTURER'S RECOMMENDATION.
- (3) ROUTE CONDENSATE PIPE AT SIZE INDICATED TO WYE TAIL PIECE. REFER TO PLUMBING DRAWINGS.

![](_page_57_Picture_12.jpeg)

 $\langle \overline{4} \rangle$  PROVIDE INTERNALLY INSULATED RETURN AIR ELBOW.

![](_page_57_Picture_21.jpeg)

Houston 10930 W. Sam Houston Pkwy North, Suite 900 Houston, TX 77064 Salas O'Brien Registration: F-4111 Salas O'Brien Project Number: 2024-02562-00

![](_page_58_Figure_1.jpeg)

# N MECHANICAL 01 FLOOR PLAN - AREA F Scale: 1/8" = 1'-0"

# **MECHANICAL GENERAL NOTES:**

- 1. COORDINATE IN THE FIELD THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH CONTRACTOR AND ALL
- TRADES. 2. SENSORS SHALL BE MOUNTED AT +48" AFF (ABOVE
- FINISHED FLOOR). UNLESS OTHERWISE NOTED. 3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
- 4. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC
- AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR HVAC SYSTEMS.

# MECHANICAL KEYED NOTES

- (1) VERIFY SERVICE CLEARANCES WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO
- OBSTRUCT. 2 ROUTE REFRIGERANT LINES TO ASSOCIATED CONDENSING UNIT ON ROOF. SIZE LINES PER MANUFACTURER'S
- RECOMMENDATION.  $\langle 3 \rangle$  ROUTE CONDENSATE PIPE AT SIZE INDICATED TO WYE
- TAIL PIECE. REFER TO PLUMBING DRAWINGS. (4) ROUTE EXHAUST AIR DUCTWORK AT SIZE INDICATED UP TO EXHAUST FAN ON ROOF. TRANSITION AS REQUIRED TO CONNECT TO FAN ON ROOF.
- $\langle 5 \rangle$  PROVIDE INTERNALLY INSULATED RETURN AIR ELBOW.

![](_page_58_Picture_17.jpeg)

Φ

 $\mathbf{O}$ BROOKEWATER Ζ #38 СНО S R K  $\triangleleft$ EMENT ш 7747′ 3911 AVENUE I ROSENBERG, TX 7 mallement \* BRADLEY KALMANS PROJECT NO. 2024/12/12 DATE: DRAWN BY: AA CHECKED BY: SH **REVISIONS:** Description No. Date 12/20/2024 Addendum 1

100% CONSTRUCTION DOCUMENTS

PLAN - AREA F

![](_page_59_Figure_0.jpeg)

![](_page_60_Figure_2.jpeg)

![](_page_60_Figure_5.jpeg)

![](_page_60_Figure_10.jpeg)

<u>'</u>	ROOF AND TRANSITION AS REQUIRED TO INDICATED.
$\geq$	ROUTE FULL SIZE DUCTWORK DOWN FRO ROOF AND TRANSITION TO SIZE INDICATE DUCT SHALL CONNECT TO PANTLEG FITT HOOD AND TRANSITION TO THE FULL SIZ COLLAR DIMENSIONS ON BOTH SIDES OF
$\rangle$	TRANSITION DUCTWORK TO HOOD COLLA
$\mathbf{b}$	ROUTE 12/3 EXHAUST AIR DRYER DUCT U TRAP THRU ROOF TO GOOSENECK. RE: 1 13/M5.02 FOR MORE INFORMATION.
	ROUTE FULL SIZE DUCTWORK DOWN FRO

![](_page_60_Picture_15.jpeg)

Salas O'Brien Project Number: 2024-02562-00

	DUA		UCT T	ERMIN	AL BOX	(	
MARK	CF	COOI M		H MAXIMU	IEATING M INLET	REMARKS	MARI
	MAX.	MIN.	SIZE (IN	CFM	SIZE (IN.)		
DDB-1-1 DDB-1-2	1,220	360	12	980	10	-	CWFC
DDB-1-3	1,100	405	12	880	9	-	GENE
DDB-1-4 DDB-1-5	1,490	400	10	1195	12	-	1
DDB-1-6 DDB-1-7	1,100 1.050	340 340	12	880	9	-	
DDB-1-8	1,290	425	12	1035	10	-	2
DDB-2-1 DDB-2-2	1,450 1,000	440 340	12	800	<u> </u>	-	
DDB-2-3	1,370	450	12	1100	12	-	
DDB-2-4 DDB-2-5	1,060	450	10	1035	10	-	
DDB-2-6	1,390	425	12	1115	12	-	
DDB-2-7 DDB-2-8	1,390	385	12	970	12	-	
DDB-2-9	795	295	10	640	8	-	
DDB-2-10 DDB-2-11	1,000	305	12	800	9	-	
DDB-3-1 DDB-3-2	1,000 500	200	10	800	9	-	
DDB-3-3	1,440	285	12	1155	12	-	
DDB-3-4 DDB-3-5	1,340	265 220	12	1075 890	10	-	
DDB-3-6	905	180	10	725	9	-	
DDB-3-7 DDB-5-1	1,160 1,180	230 385	12	930	10	-	
DDB-5-2	1,310	430	12	1050	10	-	
DDB-5-3 DDB-5-4	1,310 1.060	430 350	12 10	1050 850	<u> </u>		
DDB-5-5	1,410	460	12	1130	12	-	
DDB-5-6 DDB-5-7	1,495 1,425	490 465	12 12	1200 1140	12		
DDB-5-8	1,180	385	12	945	10	-	
טטB-5-9 DB-5-10	1,240 1,220	405 400	12 12	995 980	10		
DB-5-11	1,285	420	12	1030	10	-	
טטB-6-1 DDB-6-2	1,280 1,395	465 470	12 12	1025 1120	10		
DDB-6-3	1,395	470	12	1120	12	-	
טטש-6-4 DDB-6-5	1,500 1,500	505 505	12 12	1200 1200	12 12	-	
DDB-6-6	1,255	425	12	1005	10	-	
008-6-7 DDB-6-8	1,375 1,160	465 390	12 12	1100 930	12 10		
DDB-6-9	1,435	485	12	1150	12	-	
DB-6-10 DB-6-11	1,100	400	12	945	10	-	
DDB-7-1	1,340	390	12	1075	10	-	
DDB-7-2 DDB-7-3	1,340	390 410	12	1075	10	-	
DDB-7-4	1,460 000	425	12	1170	12	-	
DDB-7-6	905	265	10	795	9	-	
DDB-7-7	1,395 1,395	410 410	12	1120	12	-	
DDB-7-9	1,435	420	12	1120	12		
DB-7-10	1,110 1,425	325 415	12	890 1140	10		
DDB-8-1	1,495	395	12	1200	12	-	
אַםט <del>-8-2</del> DDB-8-3	1,160 1,375	310 365	12	930	10		
DDB-8-4	1,160	310	12	930	10	-	
DDB-8-5 DDB-8-6	1,335	375	12	1135	10	-	
DDB-8-7	1,500	400	12	1200	12	-	
DDB-8-9	920	245	12	740	9	-	
MAXIMU SUSPEN TWO UN MANUFA UNITS TO CEILING <u>REMARKS</u> : N/A	M VELOC ID UNIT V ISTRUT F CTURER O BE MO . AVOID	TY TH VITH FC RUNNE FOR M UNTED MOUNT	ROUGH DUG DUR THREAI RS SECURE IORE DETAI BETWEEN TING OVER I	CT INLET SH DED HANGEF D TO STRUC LS. BEAMS AND LIGHTS WHE	ALL BE 2,000 F R RODS ATTAC TURE. REFER 18" MAXIMUM REVER POSSII	PM. CHED TO TO ABOVE BLE.	
	VAR	IAB	LE VO	LUME	TERMIN	AL BOX	
MARK	MAXIM CFN	UM	MINIMUM CFM	INLET DIAMETER SIZE (IN.)	HOT WA	TER COIL CONNECTING PIPE SIZE	REMARKS
AVAV-1-1	2,260		1,600	16			-
AVAV-1-2 AVAV-1-3	2,260		1,600 605	16 10			-
AVAV-1-4	1,030		710	10			-
AVAV-2-1 AVAV-2-2	2,480	י ר ר	1,480 1,480	16 16			-
AVAV-2-3	2,07	5	1,140	14			-
AVAV-2-4 AVAV-2-5	2,07	)   ]	2,390	14			-
AVAV-3-1	2,780		2,390	16			-
AVAV-3-2	2,150	) )	1,560	16			-
AVAV-4-1	820		545 060	10			-
avav-4-2	1,740	5	900 920	14 14			-
AVAV-4-3	<u>/-2-1 150 150</u>		150	4			-
AVAV-4-3 VAV-2-1	150		100	-7			-
AVAV-4-3 VAV-2-1 VAV-3-1 VAV-5-1	150 150 150		150	4			
DAVAV-4-3 VAV-2-1 VAV-3-1 VAV-5-1 VAV-6-1 GENERAL N	150 150 150 150 NOTES:		150 150	4			-
AVAV-4-3 VAV-2-1 VAV-3-1 VAV-5-1 VAV-6-1 SENERAL N MAXIMU 0.2" ESP MAXIMU MAXIMU MAXIMU W.G. BTUH RE	150 150 150 150 M STATIO M STATIO M STATIO	C PRES	150 150 SURE DROF ROUGH DU SURE DROF SURE DROF	4 P OF AIR THF CT INLET SH P THROUGH P OF WATER HEATING IS	ROUGH THE TE ALL BE 2,000 F HEATER COIL THROUGH HE HEATING GPM	RMINAL BOX S PM. SHALL BE 0.25" ATER COIL SHA MULTIPLIED B	HALL BE ESP. ALL BE 10' Y 10,000.

EMARKS N/A

FAN SUPPLY OUTSIDE EXT. STATIC HORSE CURRENT AIR TEMPERATURE (°F) AIR CFM AIR CFM PRESSURE POWER CHARAC. ENTERING ENTERING LEAVING (IN. W.C.) DRY BULB WET BULB DRY BULB CWFCU-1 2,000 0.5 1 277/1/60 75.0 62.5 54.3 -GENERAL NOTES: 1.EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL

PRESSURE LOSS. COORDINATE WITH ELECTRICIAN. 2.MINIMUM RECOMMENDED CLEARANCE AROUND FAN COIL UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY FAN COIL UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS RE BY NEC.

	FAN														
MARK	LOCATION	CFM	EXT. STATIC PRESSURE	MAX. FAN RPM	HORSE	CL Cł	IRREN IARAC	T :.	LOCALLY SWITCHED	OCALLY WITCHED BY INTERLOCKED WITH FAN TYPE	DRIVE TYPE	MANUFACTURER		REMARKS	
			(IN. W.C.)		TOWER	V	Р	F	BY					NOMBER	
EF-1	SCIENCE F116	1,540	0.60	1,300	0.5	120	1	60	TIMER	-	ROOF MOUNTED	DIRECT	COOK	ACED	1,2,3,4
EF-2	CORRIDOR A103	225	0.40	1,370	0.4	120	1	60	-	AHU-1	ROOF MOUNTED	DIRECT	COOK	ACED	1,23,4
EF-3	STO A111	225	0.40	1,370	0.4	120	1	60	-	AHU-1	ROOF MOUNTED	DIRECT	COOK	ACED	1,23,4
KEF-1	KITCHEN	2,485	1.50	1,570	1.5	480	3	60	-	HOOD SWITCH	ROOF MOUNTED	BELT	COOK	ACRUB	1,2,5
KEF-2	KITCHEN	2,485	1.50	1,570	1.5	480	3	60	-	HOOD SWITCH	ROOF MOUNTED	BELT	COOK	ACRUB	1,2,5
KEF-3	WAREWASH C111	1,200	0.75	1,262	0.5	120	1	60	-	SWITCH	ROOF MOUNTED	BELT	СООК	ACRUB	1,2
SF-1	MEZZANINE	1,030	0.50	4,000	0.5	120	1	60	-	AHU-3	ROOF MOUNTED	BELT	COOK	QMXS	

LINE BECOMES OBSTRUCTED.

<u>GENERAL NOTES</u>: 1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO

MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN. . MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH	MANUFACTURER	MODEL NUMBER	DESCRIPTION							
А		DIFFUSER	} -	STEEL			OMNI	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" OR 12"X12" FACE.							
В	RETURN AIR	GRILLE	} \_	STEEL	х -	TITUS	PAR	EXPOSED T-BAR CEILING FRAME STYLE WITH 24"X24" OR 12"X12" FACE.							
С		DIFFUSER	$\frac{\sqrt{1}}{\sqrt{1}}$	STEEL	- -	{ TITUS	OMNI	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X24" OR 12"X12" FACE.							
D	EXHAUST AIR (	GRILLE	{ -	STEEL		} TITUS	PAR	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X24" OR 12"X12" FACE. PERFERATED FACE.							
Е	SUPPLY AIR	DIFFUSER	} -	STEEL		} TITUS	<pre></pre>	SURFACE MOUNT PLENUM SLOT DIFFUSER WITH 3/4" SLOT, WITH 3/4" S							
F	RETURN AIR	GRILLE	} -	STEEL			FL FL	SURFACE MOUNT PLENUM SLOT DIFFUSER WITH 3/4" SLOT, WITH 1 INSULATED PLENUM.							
G		DIFFUSER	} -	STEEL	- 4	titus	FL	SURFACE MOUNT PLENUM SLOT DIFFUSER WITH 3/4" SLOT, WITH 3 INSULATED PLENUM.							
Н	RETURN AIR	GRILLE	} -	STEEL		{ TITUS	FL	SURFACE MOUNT CEILING FRAME STYLE WITH 24"X24" FACE, WITH							
J		DIFFUSER	{-	STEEL		} TITUS	300RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTE							
К		GRILLE	5 -	STEEL	 -	TITUS	350RL	DOUBLE DEFLECTION SIDEWALL GRILLE WITH HORIZONTAL FRONT BARS. SURFACE MOUNTED							
GENERAL NOTES:       REMARKS:         1. DAMPERS NOTED AS U.L. SHALLBE A 'U.L.' CLASSIFIED CEILING RADIATION DAMPER WITH       1. N/A         THERMAL BLANKET.       2. COORDINATE FINAL AIR DEVICE LOCATION AND FINISH COLOR WITH ARCHITECT.															

MARK	SU
	AIF
DMS-1	
DMS-2	
DMS-3	
DMS-4	
DMS-5	
GENERAL NOTE 1. EXTERNAL S DEVICES, DA DIRTY FILTEI TO OBTAIN T MEET YOUR 2. MAINTAIN MI MANUFACTU ACCESS ANE INSPECTION	ES: TATI MPE R AN OTA TOTA NIMU RER D CO MA

# CHILLED WATER FAN/COIL UNIT

	· · — · ·	• • •									
COOLING					I		PIPE	SIZE			
	١	WATER		ENTERING AIR MINIMUM WATER				TO CO	IL (IN.)	REMARKS	
LEAVING WET BULB	ENTERING TEMP. (°F)	GPM	MAX. PRESSURE DROP (FT.)	SURE TEMPERATURE CAPAC T.) (°F) (BTUH		ENTERING TEMP. (°F)	GPM	MAX. PRESSURE DROP (FT.)	CHILLED WATER	HOT WATER	
53.8	45.0	11.0	10			NO HEAT			1	-	1,2,3
		REMARKS	<u> </u>								
T MOUNTED		1.PR	OVIDE WITH HOR	IZONTAL CABINE	T						

STRUCTURE. PROVIDE SPRING ISOLATION. REFER TO MANUFACTURER FOR MORE DETAILS.

2.PROVIDE DRAIN PAN WITH AUTOMATIC SHUT OFF FLOAT SWITCH TO DEACTIVATE UNIT IN THE EVENT PRIMARY

3.SUSPEND UNIT WITH FOUR THREADED HANGER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURED TO

S ON FAN COIL	
EQUIRED	

EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO

REMARKS: 1. PROVIDE WITH DISCONNECT. 2. PROVIDE WITH ROOF CURB AND BIRD SCREEN.

PROVIDE WITH MOTORIZED DAMPER.
 PROVIDE WITH EC MOTORIZED DAMPER.
 PROVIDE WITH EC MOTORIAND SPEED CONTROLLER.
 PROVIDE WITH CLEANOUT PORT, VENTED CURB EXTENSION TO MEET NFPA 96,

DRAIN CONNECTION, GREASE TRAP AND HINGE KIT. 6. PROVIDE 60 MINUTE TIMER WITHOUT HOLD.

# **DUCTLESS MINI-SPLIT - INDOOR UNIT**

		FAN					AIR TEMPER	RATURE (°F)		COOLING		
LY FM	OUTSIDE	EXT.STATIC PRESSURE	HORSE	Cl C	JRRE HARA	NT C.	ENTERING	ENTERING WET BUI B	MIN. TOTAL CAPACITY	MIN. SENS. CAPACITY	MINIMUM EER/	REMARKS
		(IN. W.C.)	· on Liv	V	Р	F	BILL BOLD	1121 8028	(BTUH)	(BTUH)	SEER	
	0	0.10	75.0	208 1 60		75.0	62.5	34,200	27,860	-/14	(1,2,3,4,5,6)	
	0	0.10	40.0	208	1	60	75.0	62.5	17,100	13,680	-/15.2	(1,2,3,4,5,6)
	0	0.10	40.0	208	1	60	75.0	62.5	17,100	13,680	-/15.2	(1,2,3,4,5,6)
	0	0.10	40.0	208	1	60	75.0	62.5	17,100	13,680	-/15.2	(1,2,3,4,5,6)
	0	0.10	40.0	208	1	60	75.0	62.5	17,100	13,680	-/15.2	(1,2,3,4,5,6)

IC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR ERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. 2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT. AL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO 4. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT. AL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN. UM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT

. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND AINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

FOR SERVICE, MAINTENANCE, AND INSPECTION.

REMARKS: 1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS ID UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE 3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS. 5. PROVIDE INTEGRAL MINI SPLIT CONDENSATE PUMP KIT ASP-MA-UNI MINI AQUA BY ASPEN PUMPS OR EQUAL. CONDENSATE PUMP SHALL BE INSTALLED INSIDE HIGH WALL UNIT. REFER TO MANUFACTURER INSTALLATION

INSTRUCTIONS. 6. PROVIDE CONDENSATE OVERFLOW SWITCH TO DEACTIVATE UNIT IN THE EVENT OF AN OVERFLOW CONDITION.

PUMP													
MARK	SERVICE	TYPE	GPM	HEAD (FT.)	MOTOR HORSE POWER	Max. RPM	Cl C V	URREI HARA P	NT C. F	MANUFACTURER	MODEL NUMBER	REMARKS	
CHWP-1	CHILLER WATER	VERTICAL INLINE	430	100.00	20	1780	480	3	60	ARMSTRONG	4300	1,2,4	
CHWP-2	CHILLER WATER	VERTICAL INLINE	430	100.00	20	1780	480	3	60	ARMSTRONG	4300	1,2,4	
HWP-1	HEATING HOT WATER	VERTICAL INLINE	146	90.00	$\left\{ 10 \right\}$	1770	480	3	60	ARMSTRONG	4300	1,2,4	
HWP-2	HEATING HOT WATER	VERTICAL INLINE	146	90.00		1770	480	3	60	ARMSTRONG	4300	1,2,4	
HWP-3	HEATING HOT WATER	INLINE CIRCULATOR	96	20.00	$\frac{1}{1}$	1750	£480	ىرۋىر	60	ARMSTRONG	4300	3,4	
HWP-4	HWP-4 HEATING HOT INLINE WATER CIRCULATOR 96 20.00 1 1750 480 3 60 ARMSTRONG 4300 3,4												
GENERAL NOTE	S:			R	EMARKS:								
1. PUMP IS TO I	PUMP IS TO HAVE A NON-OVERLOADING MOTOR. 1. PROVIDE SUCTION DIFFUSER WITH GAUGE TAPS AT PUMP INLET.												

2. MINIMUM RECOMMENDED CLEARANCE AROUND A PUMP IS 2. PROVIDE WITH VARIABLE FREQUENCY DRIVE. 24 INCHES. MAINTAIN MINIMUM CLEARANCES AS REQUIRED 3. PUMP SHALL BE PROVIDED BY BOILER MANUFACTURER. 4. PROVIDE PUMP WITH GAUGE TAPS

PACKAGED AIR COOLED CHILLER												
MARK	ACTUAL CAPACITY (TONS)	LEAVING WATER TEMP.(°F)	GPM	PRESSURE DROP (FT.)	AMBIENT AIR TEMP. (°F)		JRREN HARA( P	NT C. F	REMARKS			
ACC-1	215	42	430	20.0	95 °F	480	3	60	1,2,3,4			
ACC-2	215	42	430	20.0	95 °F	480	3	60	1,2,3,4			
<ol> <li>MAXIMUI</li> <li>MAINTAII TO FANS CONTRC MINIMUM</li> <li>CHILLER LOAD EF</li> <li>REMARKS:</li> <li>PROVIDE</li> <li>PROVIDE</li> <li>PROVIDE</li> <li>PROVIDE</li> </ol>	M FOULING FA N MINIMUM C AND UNIT. N L DOORS ON ELECTRICAL SHALL MEET FICIENCIES II WITH LOW A WITH INTEG WITH INSUL WITH A MINI	ACTOR FOR T LEARANCES JAINTAIN MIN EQUIPMENT CLEARANCE OR EXCEED NDICATED IN AMBIENT HEA RAL MAIN EL ATION ON AL MUM FULL LO	THE EVAI REQUIRE IMUM CL FOR SEI ES AS RE BOTH IECC 20 D PRESS ECTRICA L SUCTIO DAD EFF	PORATOR IS ED BY CHILLE EARANCE AS RVICE, MAINT EQURED BY N IN MANN AHRI 15. SURE CONTR AL DISCONNE DN LINES. ICIENCY OF 9	0.0001 R MANUFAC REQUIRED ENANCE ANI JEC. STANDARDIZ OL. CT SWITCH.	Turer To ope D inspe Zed fui D a min	For F In Acc Ection LL-LO/	PROPEF CESS A N. MAIN AD AND IPLV O	R AIRFLOW ND NTAIN PART F 16.36.			

MARK	MINIMUM CAPACITY	KW	NUMBER OF	CU CH	RREI IARA	NT C.	CFM	MANUFACTURER	MODEL	REMARKS					
	(BIOH)		STAGES	V	P	F									
EUH-1	25,597	8	2	480	3	60	600	REZNOR	EGEB	1,2					
<u>REMA</u> 1. PR 2. PR	REMARKS: 1. PROVIDE WITH PENDANT MOUNTED THERMOSTAT. 2. PROVIDE WITH DISCONNECT SWITCH.														

				D	JU	SLE L	JUCI	VARI	ABLE	AIR \	/OLU	ME	AIR HA	ANDL	ING UN	]]]						
			FAN							COOLING						HEAT	NG			PIPE	SIZE	
MARK	SUPPLY	OUTSIDE	EXT. STATIC	HORSE	FAN	CURRENT		AIR TEMPER	RATURE (°F)		١	NATER		HEATING	ENTERING AIR	MINIMUM		WATER		TO CO	IL (IN.)	
	AIR CFM	AIR CFM	PRESSURE (IN. W.C.)	POWER	QTY.	CHARAC.	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	ENTERING TEMP. (°F)	GPM	MAX. PRESSURE DROP (FT.)	AIR CFM	TEMPERATURE (°F)	CAPACITY (BTUH)	ENTERING TEMP. (°F)	GPM	MAX. PRESSURE DROP (FT.)	CHILLED WATER	HOT WATER	REMARKS
AHU-1	9,310	2,780	2.75	15.0	1	480/3/60	75.0	62.5	53.7	52.9	45.0	43.2	15.0	7,465	65.8	237,566	130	23.8	10	2-1/2	2	1,2,3,4,5,6
AHU-2         13,200         4,300         2.75         15.0         1         480/3/60         75.0         62.5         53.4         52.6         45.0												63.2	15.0	10,465	65.5	340,468	130	34.0	10	2-1/2	2	1,2,3,4,5,6
AHU-3	7,605	1,030	2.75	10.0	1	480/3/60	75.0	62.5	54.0	53.2	45.0	34.8	15.0	5,975	69.1	168,104	130	16.8	10	2	1-1/2	1,2,3,4,5,6,7,8,9
AHU-5	14,615	4,520	2.75	15.0	1	480/3/60	75.0	62.5	53.8	53.0	45.0	68.0	15.0	11,315	65.2	365,737	130	36.6	10	3	2-1/2	1,2,3,4,5,6
AHU-6	14,825	4,960	2.75	15.0	1	480/3/60	75.0	62.5	53.7	52.9	45.0	68.9	15.0	11,755	64.8	384,833	130	38.5	10	3	2-1/2	1,2,3,4,5,6
AHU-7	14,195	4,150	2.75	15.0	1	480/3/60	75.0	62.5	53.7	52.9	45.0	66.0	15.0	11,380	65.8	360,535	130	36.1	10	3	2-1/2	1,2,3,4,5,6
AHU-8	11,780	3,130	2.75	15.0	1	480/3/60	75.0	62.5	54.0	53.2	45.0	53.9	15.0	9,445	66.4	293,433	130	29.3	10	2-1/2	2	1,2,3,4,5,6
GENERAL 1.EX HC PR PR	ERAL NOTES:         1.EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.         PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.																					

SUPPLY OUTSIDE MARK AIR CFM AIR CFM AHU-4 9,115 990 AHU-9 9,360 1,575 AHU-10 4,920 1,740 AHU-11 4,085 820 OAU-1 6,540 6,540 OAU-2 12,240 12,240 OAU-3 7,080 7,080 \_\_\_\_\_ OAU-4 4,135 4,135 GENERAL NOTES: 1. EXTERNAL STATIC PRESSUR AND DUCT MOUNTED HOT WA ELECTRICIAN. REQUIRED BY NEC.

D	UCTLE	SS MIN	NI-SPLI7
MARK	MIN. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM EER/ SEER
DMSCU-1	34,200	95	-/14
DMSCU-2	17,100	95	-/15.2
DMSCU-3	17,100	95	-/15.2
DMSCU-4	17,100	95	-/15.2
DMSCU-5	17,100	95	-/15.2
GENERAL NO SERVICE CONDENS CLEARAN SERVICE, AS REQU <u>REMARKS</u> : 1. PROVIDE 2. PROVIDE 3. REFRIGE REQUIRE	<u>DTES</u> : RECOMMENI SIDES AND 3 SER AIR FLOV ICE AS REQU MAINTENAN IRED BY NEC WITH LOW A WITH DISCO RANT LINES 1 MENTS.	DED CLEARA 0 INCHES ON V AS RECOM IRED TO OPE CE, AND INSF MBIENT CON NNECT SWIT TO BE SIZED	NCE AROUND SERVICE SID MENDED BY L N ACCESS AN PECTION. MAI PECTION. MAI TROL DOWN T CH. PER MANUFA

				B	OILE	R - F	ORCED A	IR											NSING	21
MINIMUM MINIMUM HEAT PRESSURE ELECTRICAL MODEL																				
MARK	MARK TYPE GAS INPUT (MBTUH) OUTPUT (MBTUH) DROP (FT.H20) GPM FLOE SIZE BLOWER HORSEPOWER V P F MANUFACTURER NUMBER REMA										REMARKS		MIN. TOTAL	OUTDOOR	MINIMUM	CURRENT	RELATED			
B-1	CONDENSING	1500.0	1440.0	10.0	96.0	10	890	208	1	60	HYDROTHERM	KN-16	1,2	MARK	ARK CAPACITY		EER/	CHARAC.		
B-2	CONDENSING	1500.0	1440.0	10.0	96.0	10	890	208	1	60	HYDROTHERM	KN-16	1,2				SELIX		IVIANN	
<u>GENEF</u> 1. PRC	ERAL NOTES: ROVIDE & QUNCE GAS PRESSURE TO BOILER 1. PROVIDE WITH CIRCULATING PUMP, SIZED BY BOILER												DXCU-1	{259,000}	95.0	9.8/-	480/3/60	AHU-3		
2. MAI TEX	NTAIN MINIMUM CLEARANCE AROUND A BOILER OF 24 INCHES PER MANUFACTURER TO ENSURE CONSTANT FLOW THROUGH BOIL AS BOILER LAW. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO PUMP TO BE SHIPPED LOOSE. POWER BY ELECTRICAL										BOILER.	DXCU-2	160,065	95.0	9.8/-	480/3/60	AHU-11			
OPE	PEN ACCESS AND CONTROL DOORS FOR SERVICE, MAINTENANCE AND CONTRACTOR BUT CONTROLLED BY BOILER. CONTRACTOR TO										R TO	GENERAL NO	TES:							

INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCES AS REQUIRED BY NEC.

2.MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURE

MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

5.PROVIDE TWO-WAY VALVE AT AIR HANDLING UNIT HOT WATER COIL 6.PROVIDE TWO-WAY VALVE AT AIR HANDLING UNIT CHILLED WATER COIL. 7. PROVIDE AUXILIARY DX COIL DOWNSTREAM OF CHILLED WATER

COIL FOR AFTER HOURS USE DIRECT EXPANSION COIL SHALL (BE R-32 OR R454B.)

9.INTERLOCK UNIT WITH ELECTRIC DUCT HEATER EDH-2.

	FAN							COOLING						HEATING			PIPE	SIZE	
	EXT. STATIC	HORSE	FAN	CURRENT		AIR TEMPER	RATURE (°F)		·	WATER		ENTERING AIR	MINIMUM		WATER		TO CO	IL (IN.)	REMARKS
	PRESSURE (IN. W.C.)	POWER	QTY.	CHARAC.	ENTERING DRY BULB	ENTERING WET BULB	LEAVING DRY BULB	LEAVING WET BULB	ENTERING TEMP. (°F)	GPM	MAX. PRESSURE DROP (FT.)	TEMPERATURE (°F)	CAPACITY (BTUH)	ENTERING TEMP. (°F)	GPM	MAX. PRESSURE DROP (FT.)	CHILLED WATER	HOT WATER	
	2.5	10.0	1	480/3/60	75.0	62.5	54.0	53.2	45.0	41.7	15.0	70.2	245,725	130	24.6	10.0	2-1/2	2	1,2,4,6,7,8,10,11
	2.5	10.0	1	480/3/60	75.0	62.5	53.4	52.6	45.0	44.9	15.0	69.1	262,630	130	26.3	10.0	2-1/2	2	1,2,4,6,7,8,10,11
	2.5	5.0	1	480/3/60	75.0	62.5	52.3	51.5	45.0	25.8	15.0	66.0	154,873	130	15.5	10.0	2	1-1/2	1,2,4,6,7,8,10,11
	2.5	5.0	1	480/3/60	75.0	62.5	53.5	52.7	45.0	19.1	15.0	68.5	115,818	130	11.6	10.0	1-1/2	1-1/4	1,2,4,6,7,8,10,11,12,13,17
	2.0	7.5	1	480/3/60	98.0	80.0	53.0	52.0	45.0	107.9	15.0	27.0	305,124	130	30.5	10.0	3	2	1,3,4,5,8,9,11,14
	2.0	15.0	1	480/3/60	98.0	80.0	53.0	52.0	45.0	202.0	15.0	27.0	571,057	130	57.1	10.0	4	2-1/2	1,3,4,5,8,9,11,15
	2.0	7.5	1	480/3/60	98.0	80.0	53.0	52.0	45.0	120.0	15.0	27.0	330,317	130	33.0	10.0	4	2	1,3,4,5,8,9,11,16
	2.0	5.0	1	480/3/60	98.0	80.0	53.0	52.0	45.0	68.2	15.0	27.0	192,918	130	19.3	10.0	3	1-1/2	1,3,4,5,8,9,11
RE VA	INCLUDES LO	NCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, FR COIL S WHERE APPLICABLE DIRTY FILTER AND UNIT CASING AVEL OOITY (NOT TO EXOSED FOR SEM ON COOL NOT TO EXOSED FOR SEM ON COOL NOT TO EXOSED FOR SEM ON COOL OF A SHALL																	

# MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE

HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH 2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER.

# MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS

2.VELOCITE NOT TO EXCEED 300 FEW ON COOLING COIL.
3.VELOCITY NOT TO EXCEED 450 FPM ON COOLING COIL.
4.PROVIDE ANGLE FILTER SECTION.
5.HOT WATER COIL IN PRE-HEAT POSITION.
6.HOT WATER COIL IN REHEAT POSITION.
7.PROVIDE WITH HUMIDITY CONTROL.
8.PROVIDE WITH VARIABLE FREQUENCY DRIVE.
9.PROVIDE THREE-WAY VALVE AT AIR HANDLING UNIT HOT WATER C
10 PROVIDE TWO-WAY VALVE AT AIR HANDLING UNIT HOT WATER COL

11.PROVIDE TWO-WAY VALVE AT AIR HANDLING UNIT CHILLED WATER COIL.

# COIL EOR AETER HOURS USE DIRECT EXPANSION COIL SHALL (BE R-32 OR R3454B .) 13.INTERLOCK UNIT WITH ELECTRIC DUCT HEATER EDH-1.

14.INTEGRATE UNIT WITH ENERGY RECOVERY CORE SECTION ERU-OAU-1 REFER TO ENERGY RECOVERY UNIT SCHEDULE.

17.DX COIL COOLING TOTAL CAPACITY SHALL BE 160,065 BTU/HR AND SENSIBLE CAPACITY SHALL BE 113,303 BTU/HR. ENTERING

AND LEAVING AIR CONDITIONS SHALL BE AS SCHEDULED.

(	)UT	DOC	or Uni	Г	
RR	ENT CH	ARAC.	RELATED		
	PH	F	UNIT MARK	REMARKS	
8	1	60	DMS-1	(1,2,3)	
8	1	60	DMS-2	(1,2,3)	
8	1	60	DMS-3	(1,2,3)	E
8	1	60	DMS-4	(1,2,3)	E
8	1	60	DMS-5	(1,2,3)	Е

D ROOFTOP UNIT IS 12 INCHES ON NON-DES. MAINTAIN MINIMUM CLEARANCE FOR UNIT MANUFACTURER. MAINTAIN MINIMUM AND CONTROL DOORS ON UNIT FOR

AINTAIN MINIMUM ELECTRICAL CLEARANCE I TO 20°F.

CTURER'S

							ENER	RGY RI	ECOV	ERY l	JNIT				
	[							SUMMER	२		WINTER				
RKS	MADK	C	FM	EXTERNAL	SP (W.G.)	TOTAL		RATURE (°F)	TOTAL		RATURE (°F)	MANUE	MODEL	REMARKS	
,3) ,3)		WARK	OUTSIDE EXHAUST AIR AIR		OUTSIDE EXHAUST AIR AIR		ENTHALPY EFFIC. (%)	OA LEAVING DRY BULB	LEAVING OA LEAVING AY BULB WET BULB		OA LEAVING DRY BULB	OA LEAVING WET BULB		MODEL	
,3)	Ī	ERU-OAU-1	6,540	3,270	2.0	2.0	77.8	87.1	74.0	71.1	43.2	39.8	-	-	1,2,3
,3)	[	ERU-OAU-2	12,240	6,120	2.0	2.0	75.0	87.1	74.2	70.4	43.1	39.7	-	-	1,2,4
,3)		ERU-OAU-3	7,080	3,540	2.0	2.0	76.3	87.1	74.1	70.8	43.1	39.8	-	-	1,2,5

GENERAL NOTES: I. TOTAL ENTHALPY EFFICIENCY = (ENTHALPY SUPPLY AIR - ENTHALPY OUTSIDE AIR) / (ENTHALPY EXHAUST AIR - ENTHALPY OUTSIDE AIR) 2. AMBIENT CONDITIONS: SUMMER: 98°F DB / 80°F WB

WINTER: 27°F DB / 25°F WB 3. RETURN AIR CONDITIONS:

SUMMER: 75°F DB / 62.5°F WB WINTER: 72°F DB / 60°F WB

<u>REMARKS</u> 1. PROVIDE WITH BYPASS ON OUTSIDE AIR SECTION WITH DAMPERS AS SPECIFIED. 2. ENERGY RECOVERY UNIT SHALL MEET OR EXCEED 50% ENTHALPY EFFICIENCY AS

SPECIFIED IN CHAPTER C403.2.7, 2015 IECC 3. UNIT TO BE INTEGRATED WITH OAU-1 REFER TO AIR HANDLING UNIT SCHEDULE FOR MORE INFORMATION.

4. UNIT TO BE INTEGRATED WITH OAU-2 REFER TO AIR HANDLING UNIT SCHEDULE FOR MORE INFORMATION.

5. UNIT TO BE INTEGRATED WITH OAU-3 REFER TO AIR HANDLING UNIT SCHEDULE FOR MORE INFORMATION.

WIRE FROM BOILER PUMP CONTROL CIRCUIT TO PUMP STARTER RELAY. 2. PROVIDE SEALED COMBUSTION BOILER.

RELIEF VENT & O.A. INTAKE2									
MARK	CFM	MAX. S.P. (IN.WC.)	Min. Throat Area	COOK MODEL NUMBER	SERVES	REMARKS			
OAI-1	9,860	0.04	18.00	GI	OAU-1	1,2,3			
OAI-2	9,720	0.04	18.00	GI	OAU-2	1,2,3			
OAI-3	11,390	0.04	21.00	GI	OAU-3	1,2,3			
OAI-4	4,250	0.04	12.00	GI	OAU-4	1,2,3			
RV-1	4,930	0.03	12.00	GR	OAU-4	1,2,3			
RV-2	4,930	0.03	12.00	GR	OAU-4	1,2,3			
D\/ 3	1 030	0.03	12.00	CP		1 2 3			

V-3 4,930 0.03 12.00 GR OAU-4 1.2.3 <u>REMARKS</u>: 1. PROVIDE WITH ROOF CURB. 2. PROVIDE WITH BIRD SCREEN. 8. PROVIDE WITH MOTORIZED DAMPER.

1.MINIMUM RECOMMENDED CLEARANCE AROUND ROOFTOP UNIT IS 12 INCHES ON NON-SERVICE SIDES A ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOOF SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED REMARKS:

1.PROVIDE WITH LOW AMBIENT CONTROL DOWN TO 20° F.

2.PROVIDE WITH DISCONNECT SWITCH.

UNITS ARE PART OF A VARIABLE AIR VOLUME SYSTEM AND SHALL BE PROVIDED WITH A MINIMUM <sup>3.</sup> OF ONE CIRCUIT WITH A FULLY MODULATING DIGITAL SCROLL OR VARIABLE SPEED SCROLL TYPE COMPRESSOR AS SPECIFIED. UNITS SHALL BE CAPABLE OF MODULATION FROM 10-100% OF ITS CAPACITY AND ALLOW FOR AHU AIRFLOW TURN DOWN TO 30% OF FULL FLOW.

ELECTRIC DUCT HEATER							
MARK	CFM	ENTERING AIR TEMP (°F)	MINIMUM CAPACITY (BTUH)	KW	NUMBER OF STAGES	CURRENT CHARAC.	REMARKS
EDH-1	4,035	62.3	120,710	35	SCR	480/3/60	1,2,3
EDH-2	5,975	65.3	159,390	47	SCR	480/3/60	1,2,4
EDH-3	1,030	27.0	31,300	10	SCR	480/3/60	1,2,5

<u>REMARKS:</u> 1.FLANGE FOR MOUNTING IN DUCTWORK

2.PROVIDE WITH SCR CONTROLS 3.INTERLOCK WITH AHU-11 4.INTERLOCK WITH AHU-3

5.INTERLOCK WITH SF-1

![](_page_61_Picture_80.jpeg)

VIT	
REMARKS	
1,2,3	
1,2,3	
AND 30 INCHES YY UNIT IRS ON UNIT FOR I) BY NEC.	

![](_page_62_Figure_0.jpeg)

Ñ

![](_page_62_Picture_15.jpeg)

![](_page_63_Picture_1.jpeg)

![](_page_63_Figure_3.jpeg)

![](_page_63_Picture_7.jpeg)

![](_page_63_Picture_10.jpeg)

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 $\square$ က 10: 12/20/2024

![](_page_64_Figure_1.jpeg)

PLUMBING 01 FLOOR PLAN - AREA A Scale: 1/8" = 1'-0"

![](_page_64_Picture_5.jpeg)

# 10 6" STORM OVERFLOW FROM OVERFLOW DRAIN ABOVE. 11 1-1/2" CW AND 1" HW DOWN TO ABOVE LOWER CEILING.

VALVE. PROVIDE AND INSTALL TAMPER SWITCH PRIOR TO CONNECTION TO CABINET. THIS WORK SHALL BE

BN

![](_page_64_Picture_11.jpeg)

![](_page_65_Figure_1.jpeg)

![](_page_65_Picture_8.jpeg)

![](_page_66_Figure_2.jpeg)

N DESCRIPTION PLUMBING 01 FLOOR PLAN - AREA D Scale: 1/8" = 1'-0"

- 3 2" SANITARY DOWN, 2" VENT UP.
- 4 2" VENT UP. 5 3/4" CW UP.
- 6 2" VENT FROM BELOW.
- 7 4" SANITARY DOWN, 2" VENT UP. 8 1-1/2" CW DOWN.
- 9 4" SANITARY DOWN. 10 4" SANITARY FROM CLEANOUT ABOVE.
- 11 4" SANITARY FROM FLOOR SINK ABOVE.
- 12 3/4" HW DOWN TO SERVE PLUMBING FIXTURE/S. 13 3" VENT UP.

14 1-1/4" CW DOWN TO SERVE PLUMBING FIXTURE/S. 15 PROVIDE A 24"X 24" ACCESS PANEL.

16 3/4" CW AND HW DOWN.

![](_page_66_Figure_15.jpeg)

![](_page_66_Picture_16.jpeg)

PLUMBING KEYED NOTES

3/4" CW AND HW DOWN TO SERVE PLUMBING FIXTURE/S.
 2" VENT UP TO 2" VTR.

![](_page_66_Picture_24.jpeg)

\_\_\_\_\_ 5TH GRADE E103 1) month management of the second sec 4TH GRADE E104 4TH GRADE E105

![](_page_67_Figure_3.jpeg)

1 PLUMBING 01 FLOOR PLAN - AREA E Scale: 1/8" = 1'-0"

- 3 2" VENT UP TO 2" VTR.
   4 3" VENT UP TO 3" VTR. 6 2" VENT FROM BELOW. 8 3/4" CW AND HW DOWN.
- 11 3/4" CW UP.

![](_page_67_Picture_11.jpeg)

5

![](_page_68_Figure_1.jpeg)

N DECEMBING OF FLOOR PLAN - AREA F Scale: 1/8" = 1'-0"

# PLUMBING KEYED NOTES

# 1 2" VENT FROM BELOW. 2 3" VENT UP TO 3" VTR.

- 3 STUB OUT EXTRA HOT WITH SHUT OFF FOR DISHWASHER CONNECTION AND CONNECT DRAIN WITH WYE BRANCH FITTING ABOVE TRAP UNDER SINK.
- 4 PROVIDE WYE TAILPIECE FOR CONDENSATE. 5 3/4" CW DOWN.
- 6 3/4" HW DOWN. 7 1-1/2" CW DOWN. 8 4" SANITARY DOWN.
- 9 3/4" CW AND HW DOWN. 10 2" SANITARY DOWN, 2" VENT UP.
- 11 6" STORM DOWN. 12 3/4" CW AND HW DOWN TO SERVE PLUMBING FIXTURE/S.
- 13 PROVIDE A 24"X 24" ACCESS PANEL. 14 3/4" CW DOWN TO SERVE PLUMBING FIXTURE/S.
- 15 COORDINATE ROUTING OF NEW 2-1/2" FIRE LINE TO SERVE FIRE DEPARTMENT VALVE (FDV-1) WITH FIRE SPRINKLER CONTRACTOR.
- 16 PROVIDE AND INSTALL SURFACE MOUNTED FIRE DEPARTMENT VALVE CABINET WITH SOLID METAL LOCKING COVER WITH 2-1/2" FIRE DEPARTMENT VALVE. PROVIDE AND INSTALL TAMPER SWITCH PRIOR TO

![](_page_68_Picture_15.jpeg)

CONNECTION TO CABINET. THIS WORK SHALL BE DONE BY FIRE SPRINKLER CONTRACTOR. TAMPER SWITCH TO BE CONNECTED TO BUILDING FIRE ALARM SYSTEM.

![](_page_68_Picture_22.jpeg)

Salas O'Brien Project Number: 2024-02562-00

![](_page_69_Figure_2.jpeg)

A CA

(CB)-

			FOOD SEF	RVICE PLUM	BING SCHEI	DULE		
			REFER TO SHEET QF1	FOR PLUM	BING COOR	DINATION NOTES	1 <u>P</u>	LUMBI
FDP PNO	FDP PSIZE	FDP PCONN	FDP PSERVICE TO	FDP PLOC	FDP PAFF	FDP PREMARKS	1	3/4" CW AND H
FDP PNO P5 P6 P7 P7A P10 P11C P11C P112 P12 P14 P15 P25A P109 P109A P109A P109A P109A P109A P110 P121A P121A P121A P123A P123A P123A P145A P145A P163 P163A P165A	FDP PSIZE 3/4" 4" 3/4" 3/4" 1/2" 1/2" 1/2" 11/2" 11/2" 11/2" 12"SQ. 1/2" 4" 3/4" 12" SQ. 3/4" 2" 3/4" 12" SQ. 3/4" 12" SQ. 3/4" 12" SQ. (2)3/4" 4" 3/4" 3/4" 3/4" 11" 3/4" 11" 3/4"	FDP PCONN H & C WATER FLOOR DRAIN H & C WATER H & C WATER H & C WATER FLOOR DRAIN H & C WATER DIRECT DRAIN FLOOR SINK COLD WATER FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN COLD WATER FLOOR SINK H & C WATER FLOOR SINK H & C WATER FLOOR SINK H & C WATER DIRECT DRAIN H & C WATER FLOOR SINK H & C WATER FLOOR SINK H & C WATER FLOOR SINK NATURAL GAS H & C WATER NATURAL GAS H & C WATER NATURAL GAS H & C WATER NATURAL GAS H & C WATER	REFER TO SHEET QF1 FDP PSERVICE TO JANITOR SINK JANITOR SINK HOSE BIBB FREEZE PROOF HOSE BIBB GENERAL AREA DRAIN FAUCET HAND SINK EQUIPMENT FILL FAUCET FUNNEL FLOOR DRAIN CAN WASH WATER/ ICE ICE MACHINE CLOTHES WASHER FAUCET SINK FAUCET SINK FAUCET SINK FAUCET SINK CONVECTION OVEN TRENCH LINER TILT BRAISING PAN TILT BRAISING PAN RANGE RANGE	FOR PLUM FDP PLOC WALL FLOOR WALL FLOOR WALL FLOOR FLOOR FLOOR WALL FLOOR WALL FLOOR WALL FLOOR WALL FLOOR WALL FLOOR WALL FLOOR WALL FLOOR WALL FLOOR WALL FLOOR WALL FLOOR WALL FLOOR WALL FLOOR WALL	BING COOR FDP PAFF 48" VERIFY 18" 48" VERIFY 18" 15" 0" 6" 0" 6" 0" 48" 48" 48" 48" 13" 0" 13" 10" 10" 10" 10" 10" 10" 10" 10	FDP PREMARKS <varies>         JANITOR SINK BY PLUMBER         JANITOR SINK BY PLUMBER         BTC         BTC; PROVIDED BY DIV. 22         LOCATE PER ENGINEER'S DRAWING         FURNISHED &amp; INSTALLED BY DIV. 22         SI4 GRATE         BTC; VALVE BOR FUTURE            LOCATE PER ENGINEER'S DRAWING         BTC; CAP FOR FUTURE            LOCATE PER ENGINEER'S DRAWING         BTC         3/4 GRATE         BTC; VALVE BOX         VALVE BOX         BTC         3/4 GRATE         BTC         SITC         SI4 GRATE         BTC         SITC         SI4 GRATE         BTC         BTC         BTC         SIG         BTC         BTC         BTC         BTC         BTC         SIG         BTC         BTC         BTC         BTC         BTC         BTC         BTC         BTC         BTC         BT</varies>	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	3/4" CW AND H 2" VENT UP. 2" SANITARY F ABOVE. 3" GREASE WA 4" GREASE WA 4" GREASE WA 4" GREASE WA 4" SANITARY F 3" GREASE WA 4" SANITARY F 3/4" CW AND H 4" SANITARY F 4" GREASE WA ABOVE. 4" SANITARY F REFER TO SHI 3" SANITARY F 4" GREASE WA
P172	(2)3/4"	COLD WATER	COMBIOVEN	WALL	24"/48"	BTC: INTERCONNECT THRU FILTERS	1	
P172A	(2)3/4"	COLD WATER	COMBI OVEN	WALL	24"/48"	BTC		
P172B	12"SQ.	FLOOR SINK	EQUIPMENT	FLOOR	0"	3/4 GRATE		
P172C	(2)3/4"	NATURAL GAS	COMBI OVEN	WALL	18"/36"	BTC: 105 MBTU/HR EACH		
P249	3/4"	H & C WATER	FAUCET	WALL	13"	BTC		
P249A	12" SQ.	FLOOR SINK	SINK	FLOOR	0"	THREE QUARTER GRATE	-	
							-	

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![](_page_69_Picture_11.jpeg)

![](_page_69_Picture_12.jpeg)

PROJECT NO.

REVISIONS

DATE:

![](_page_69_Picture_13.jpeg)

![](_page_69_Picture_15.jpeg)

![](_page_70_Figure_0.jpeg)

![](_page_70_Picture_6.jpeg)

![](_page_71_Figure_4.jpeg)

![](_page_71_Picture_5.jpeg)


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## TECHNOLOGY 01 COMPOSITE PLAN

) Scale: 1" = 20'-0"

## **TECHNOLOGY GENERAL NOTES:**

PROVIDE CONDUIT WALL SLEEVES FOR HORIZONTAL CABLE ACCESS INTO SPACES, PROVIDE AS NECESSARY. LOCATE 6"-8" ABOVE ACCESSIBLE CEILING. SLEEVES SHALL EXTEND 6" FROM WALL ON BOTH SIDES. PROVIDE NON-SPLIT NYLON BUSHINGS ON ENDS OF EACH SLEEVE. FIRE STOP AS NECESSARY. ADJUST LOCATION AS TO NOT INTERFERE WITH OTHER CONDUITS, LIGHTING, PLUMBING AND MECHANICAL EQUIPMENT, ARCHITECTURAL FEATURES AND BUILDING STRUCTURE.





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TECHNOLOGY 01 FLOOR PLAN - AREA A Scale: 1/8" = 1'-0"

## **TECHNOLOGY GENERAL NOTES:** 1. CONTRACTOR TO ROUTE DATA ON THIS SHEET TO MDF A120.

## **TECHNOLOGY KEYED NOTES:**

1 DATA DROP SHALL BE USED FOR TIMECLOCK. MOUNT AT +48" AFF.

<sup>(2)</sup> COORDINATE BAS DATA OUTLET LOCATION WITH ELECTRICAL CONTRACTOR.

(3) COORDINATE ACCESS CONTROL PANEL DATA OUTLET WITH SECURITY CONTRACTOR.









100% CONSTRUCTION DOCUMENTS

T2.01A TECHNOLOGY 01