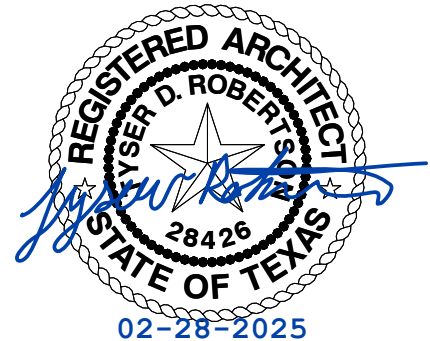




ADDENDUM NO. 1
February 28th, 2025

**PROJECT: EULA INDEPENDENT SCHOOL DISTRICT
AG RENOVATION & ADDITION**

BID DATE: MARCH 6th, 2025 AT 2:00 PM



The following changes and/or additions shall be made to the Plans, Specifications, and Contract Documents for the above referenced project. Bidder shall acknowledge receipt of this Addendum on the Construction Costs Form.

GENERAL

- Item #G1** See attached substitution request for Nucor Loc Seam Standing Seam Roof Panel – Approved as noted.
- Item #G2** Are the following PEMB manufactures approved: NUCOR, Mueller, Shultie. Approved with following note; GC to confirm manufacturer meets qualification requirements under IAS AC472. Must comply with specification requirements.

SPECIFICATIONS

- Item #S1** Section 32 33 00 – Site Furnishings – REMOVE section; not used.

DRAWINGS

- Item #D1** Sheet A2.1 – REPLACE sheet with attached sheet A2.1 dated 02-28-202. UPDATED keyed note 10.
- Item #D2** Sheet A2.2 – REPLACE sheet with attached sheet A2.2 dated 02-28-2025. ADDED missing elevations. UPDATED Duraplate note.
- Item #D3** Sheet E1.0 – REPLACE sheet with attached sheet E1.0 dated 02-28-2025. UPDATED general power notes.



QUESTIONS

Item #Q1 **Question:** Sheet E1.0 shows the existing meter to be relocated. The meter currently feeds two, 200A panelboards. To satisfy NEC requirements, we will need to add a main disconnect switch adjacent to the meter at the new location and we will also need to provide overcurrent protection for the conductors that refeed the existing panelboards. The easiest way to achieve this is to install one 400A N3R panelboard with a main circuit breaker and two, 200A circuit breakers. If this is acceptable, please specify the desired AIC requirements on the new main panelboard and sub-breakers. If this is not acceptable, please specify an acceptable solution with a single line diagram?

Answer: NEC 230.70(A)(1) calls for disconnecting means to be in a readily accessible location. NEC does not provide distances or any other clarifications on this excerpt. Electrical engineer's position is the plans as shown are compliant with this code.

Item #Q2 **Question:** Refer to NEC 547.44 for Equipotential Plane requirements in livestock barns. Please specify materials, means and methods for creating the equipotential planes in the various livestock containment areas.

Answer: The equipotential plane shall be bonded to the grounding electrode system per NEC.

Item #Q3 **Question:** The plumbing drawings show added water lines and hose bibs in the existing Ag Barn. Do we need to provide GFCI protection and weather rated cover plates for the existing receptacles? If so, are GFCI receptacles acceptable or do we need to provide new GFCI circuit breakers?

Answer: Only need to replace the first receptacle in the existing circuits with a GFI weatherproof receptacle; in use covers should be provided for all other existing receptacles.

Item #Q4 **Question:** Specification does not specify spray foam insulation; can you please provide the following information (R-factor, closed or open cell)?

Answer: No, new insulation to be vinyl faced batt insulation. See wall sections & specification Section 13 34 19 – metal building systems.



Item #Q5 **Question:** Specs identify standard coating and color for roof and wall sheets. Plan sheet S0.0/MB6 call for a powder coated roof and wall sheet. If powder coating is the requirement, please identify a source as metal building manufacturers know of no source?

Answer: Follow specifications; disregard note on S0.0/MB6.

Item #Q6 **Question:** Are livestock panels & gates needed in the show arena? Where would gates need to go in this area? How many what size?

Answer: No, livestock panels & gates for the show arena are not included in the scope of this project. Owner will be sourcing those directly outside of this project. Only the livestock paneling shown in the plans (in the renovation area) is included.

Item #Q7 **Question:** Some of the panels in the drawings look to be fully sheeted from top to bottom, can that be substituted with standard panels with the bedding guard or not?

Answer: Panels shown with Duraplate are intended to be steel tube frames with a Duraplate sheet screwed into the frame to form the complete panel. Owner does not want to substitute this product for a bedding guard panel.

Item #Q8 **Question:** The 6' 8" post that comes off some of the panels, what is its purpose, and does it need pin connections on it?

Answer: The 6' 8" "post" is the bow gate at the entrance to the pens shown from the side; not an additional post.

Item #Q9 **Question:** The drawings show a bow gate that has a panel connected to it with the overall length of 8'. We could do a 4' bow gate and a 4' panel that pins together to accommodate that. Would that work for that set up?

Answer: Yes, that works for the two wash bay conditions.



- Item #Q10** **Question:** The drawings show a 6' 6" panel; we make a 6' panel, could we use this in that spot?
- Answer:** Yes, that works for the two wash bay conditions. But those do seem to be Duraplate panels; see note above regarding Duraplate product covered panels.
- Item #Q11** **Question:** Elevations 4 & 9 on A2.2; is Duraplate paneling required on both sides of the animal pen panels?
- Answer:** No; it is a single Duraplate panel (Duraplate is a double sided product) that is fastened to the steel tube frame. This matches the existing condition at the current animal pens. See updated architectural sheet.
- Item #Q12** **Question:** Is the concrete sloped and if so how much slope does it have?
- Answer:** No, livestock pens have a concrete curb; but they are not sloped.
- Item #Q13** **Question:** Animal pen supplier has asked if these are for hog, sheep or cattle?
- Answer:** Animal pens will be used for hog and sheep.
- Item #Q14** **Question:** Is the fire extinguisher that is shown in the existing AG building supposed to be a new fire extinguisher and cabinet?
- Answer:** Yes.
- Item #Q15** **Question:** Is the FRP paneling in storage 101, men's 103, & women's 104 the full 10'0" height of the walls?
- Answer:** Yes, see room finish schedule legend "FRP panel to ceiling".



Item #Q16 **Question:** Is poly and termite required under the concrete foundation in Alternate #1?

Answer: Yes.

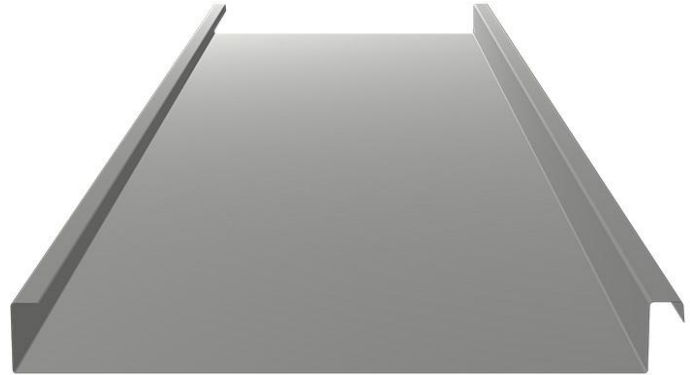
Item #Q17 **Question:** What is the square footage that requires termite pretreatment?

Answer: Base Bid is 6,911 SF & Alternate #1 is 2,469 SF.

END OF ADDENDUM

Nucor Buildings Group Loc Seam Standing Seam Roof Panel

The Loc Seam Standing Seam Roof System is a vertical rib, flat profile, raised seam metal roof designed to float to accommodate thermal expansion and contraction. Available in both 90 degree and 360 degree mechanically rolled seams, it has been extensively tested to ensure the highest level of performance for weathertightness and structural integrity.



Panel Credentials

- ASTM E108 Test Methods for Fire Tests of Roof Coverings – Class A
- ASTM E1592 Test Method for Wind Uplift Performance of Sheet Metal Roofing Systems
- ASTM E1646 Test Method for Water Penetration of Exterior Roof Systems
- ASTM E1680 Test Method for Rate of Air Leakage Through Exterior Roof Systems
- ASTM E2140 Test Method for Water Penetration of Metal Roof Panel Systems by Static Water Head
- US Army Corps of Engineers – Approved per CEGS 07416 Test Specification
- FM 4471 Class 1 Approval
- UL 580 Class 90 Approval (Const. No's 331, 332 and 336)
- State of Florida Product Approval
- Miami-Dade County Approved
- SREF (SSTD-97) Impact Testing

Panel Specifications

Gage	Thickness (in.)	Yield (ksi)	Tensile (ksi)	Panel Wt. (psf)	I _x (Gross) (in ⁴)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
						S _x (eff.) (in ³)	M _a (kip-in)	S _x (eff.) (in ³)	M _a (kip-in)
90 seam	0.0225	50	65	1.26	0.1673	0.0986	2.9535	0.0806	1.5285
360 seam	0.0225	50	65	1.26	0.1470	0.0783	2.3453	0.0555	1.3868

Panel Capacity (psf)

SPAN (ft.)	90 SEAM - 24 GAGE		360 SEAM - 24 GAGE	
	Gravity	Uplift	Gravity	Uplift
2.0	290	75	275	115
2.5	192	68	179	97
3.0	135	63	126	87
3.5	101	59	93	77
4.0	78	54	71	68
4.5	62	50	56	58
5.0	50	45	46	48
5.27	45	43	41	42

NOTES

1. Section properties were calculated in accordance with AISI S100/CSA S136, 2016 Edition.
2. Panels were checked for bending, shear, combined bending and shear, and deflection.
3. Deflection is limited to Span/60.
4. Uplift loads shown are achieved using the standard panel clip and either the Loc Seam 90 or Loc Seam 360 degree seaming profile noted.
5. Uplift loads shown do not include increases in wind Zones 2 and 3 as allowed by AISI S100.
6. Thermal load has not been considered.
7. Capacities are based on a 3-span condition with equal length spans.
8. "Gravity" load is applied inward on the outer surface towards supports.
9. "Uplift" load is applied outward on the inner surface away from panel supports.

For use by Architect

<input type="radio"/> Accepted	<input checked="" type="radio"/> Accepted as noted
<input type="radio"/> Not Accepted	<input type="radio"/> Received to late
By: <u>Tyler Robertson</u>	
Date: <u>2/28/2025</u>	
Remarks: <u>Must be able to be installed directly on to metal building structure, no substrate/sheathing required. Must comply with specification requirements.</u>	

GENERAL NOTES

- A. THE FOLLOWING NOTES APPLY TO ALL PLAN SHEETS.
- B. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT FOR CORRECTION BEFORE PROCEEDING WITH CONSTRUCTION.
- C. ALL DIMENSIONS SHOWN ARE FROM FACE OF STUD OR FACE OF MASONRY.
- D. BLOCKING SHALL BE REQUIRED IN ALL STUD WALLS TO RECEIVE HANDRAILS, GRAB BARS, SHELVING, DOOR STOPS, AND ALL OTHER SIMILAR ITEMS REQUIRING A SECURE ANCHOR.
- E. THE GENERAL CONTRACTOR WILL BE REQUIRED TO COORDINATE ALL TRADES AS NECESSARY TO INSTALL ALL HANGING DEVICES FOR INSTALLATION OF ALL PIPING, MECHANICAL AND ELECTRICAL SYSTEMS.
- F. REFER TO REFLECTED CEILING PLAN FOR PARTITION HEIGHTS AND FIRE RATING REQUIREMENTS.
- G. REFER TO MEP SHEETS FOR ADDITIONAL REQUIREMENTS.

FLOOR PLAN LEGEND

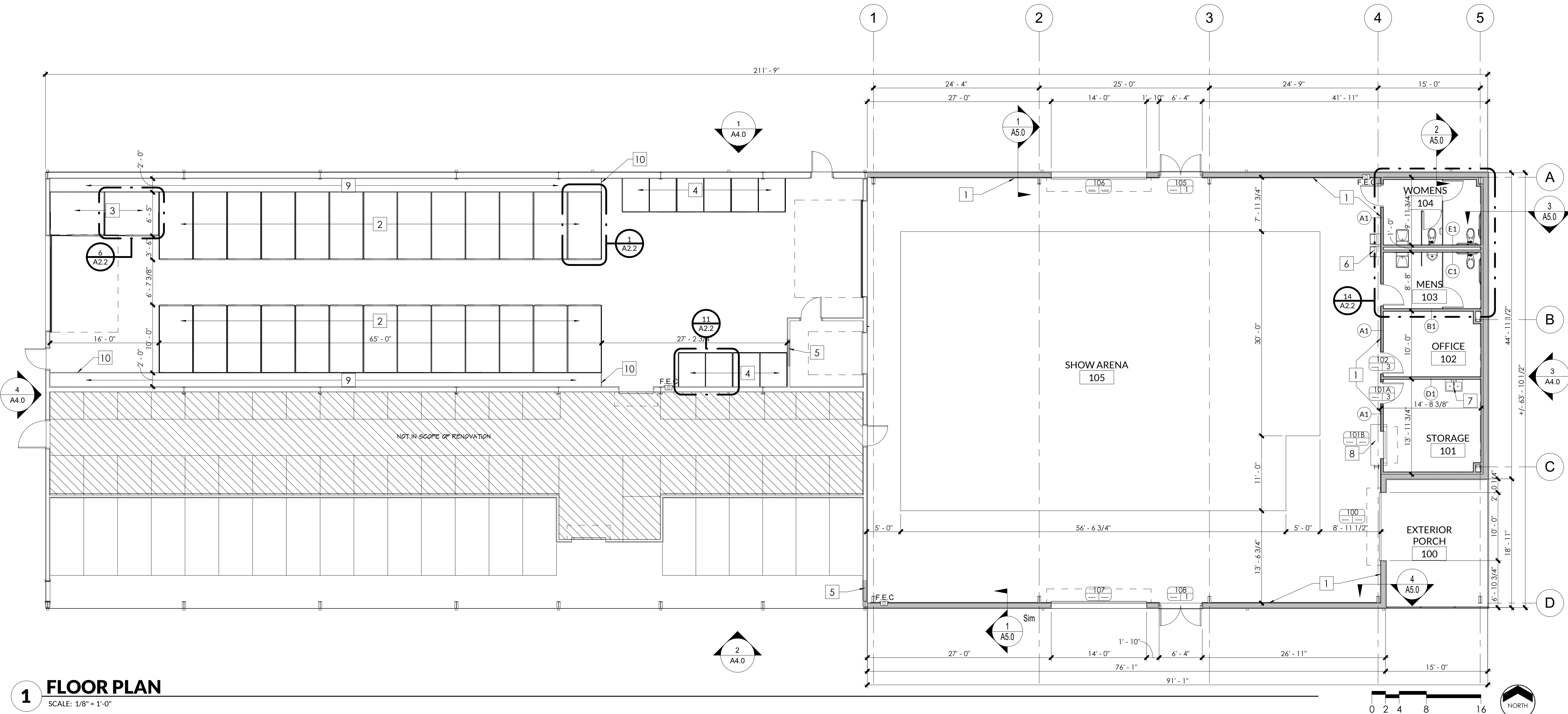
- NEW METAL STUD WALL CONSTRUCTION
- KEYED NOTE - REFER THIS SHEET
- DOOR TAG
DOOR NUMBER
- HARDWARE SET
- FIRE RATING
- ELEVATION - REFER A4 SHEETS
- SECTION - REFER A5 SHEETS
- FIRE EXTINGUISHER CABINET
- PARTITION TYPE - REFER TO SHEET A2.3

KEYED NOTES

- 1 METAL LINER PANEL UP TO 8' - 0".
- 2 ANIMAL PENS; 5' - 0" W X 10' - 0" D, SEE TYPICAL DETAIL.
- 3 ANIMAL WASH BAYS; 8' - 0" W X 6' - 6" D, SEE TYPICAL DETAIL.
- 4 LOCKERS; 4' - 0" W X 5' - 0" D, SEE TYPICAL DETAIL.
- 5 METAL BUILDING INFILL.
- 6 DRINKING FOUNTAIN, REFER TO PLUMBING.
- 7 DOUBLE SINK, REFER TO PLUMBING.
- 8 SOLID SURFACE COUNTER TOP.
- 9 SLOPED SLAB, REFER TO STRUCTURAL.
- 10 ADD ANIMAL PEN PANELING, REFER TO DETAILS 16/A2.2 AND 17/A2.2.

ALTERNATES

- A. ALTERNATE NO. ONE - SHOW ARENA SLAB
PROVIDE A 5" CONCRETE SLAB-ON-GRADE REINFORCED W/ #4 BARS AT 16" O.C.E.W SIX INCHES LOWER THAN FINISH FLOOR. REFER TO STRUCTURAL SHEETS.



1 FLOOR PLAN
SCALE: 1/8" = 1'-0"

EULA ISD
AG RENO & ADDITION

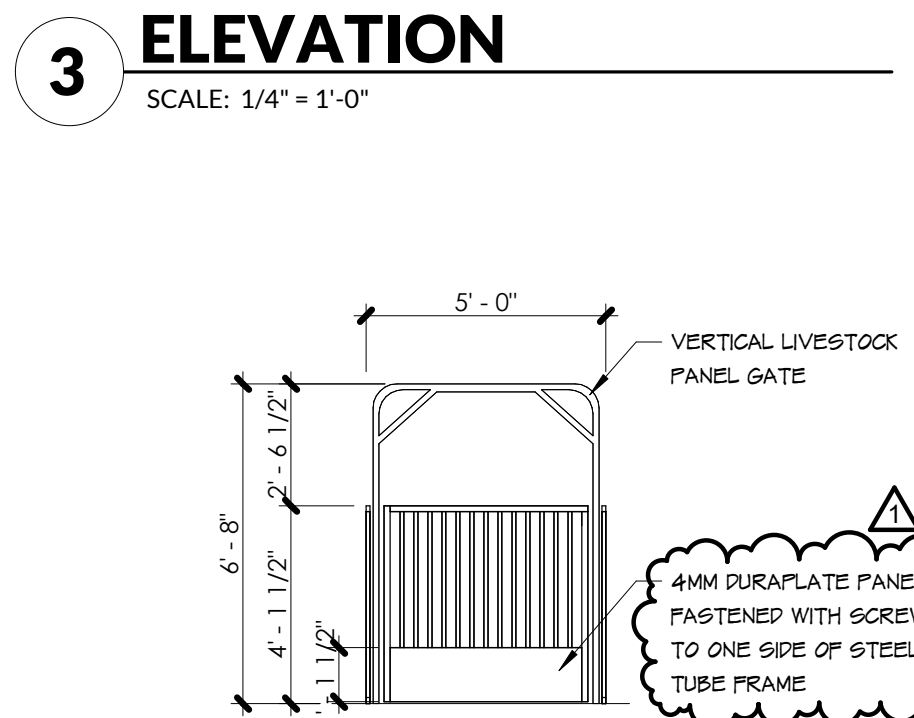
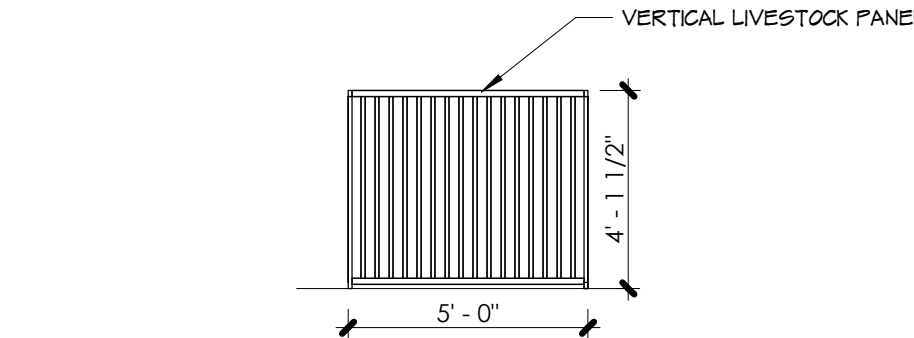
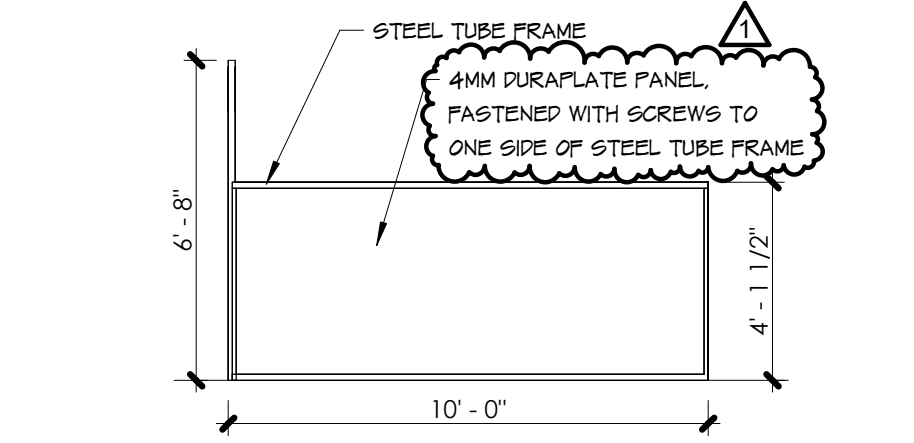
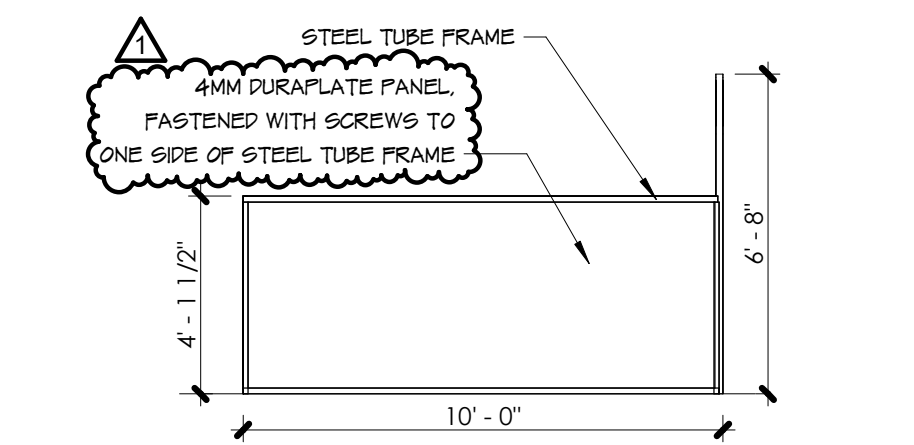
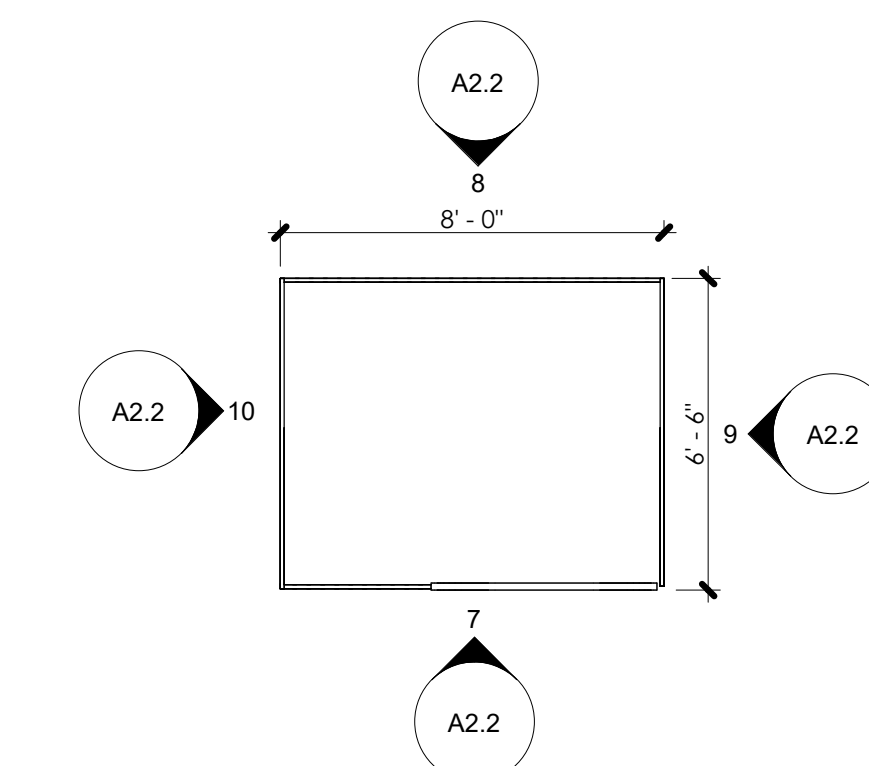
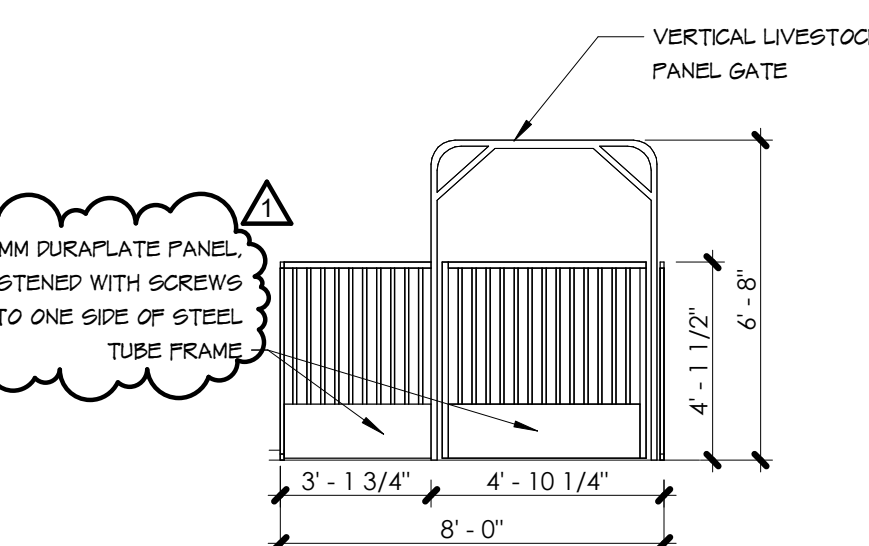
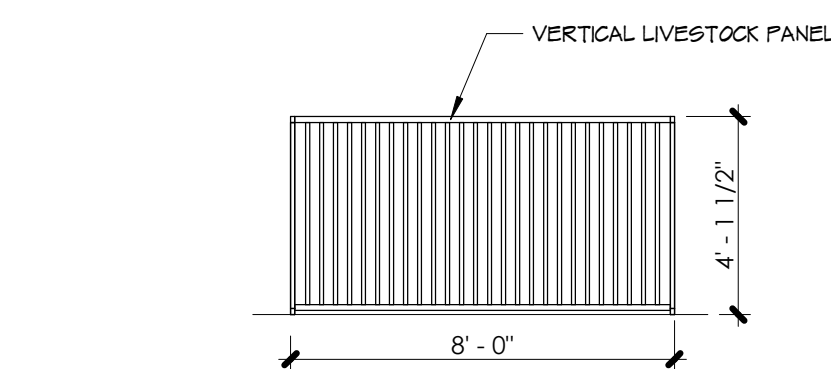
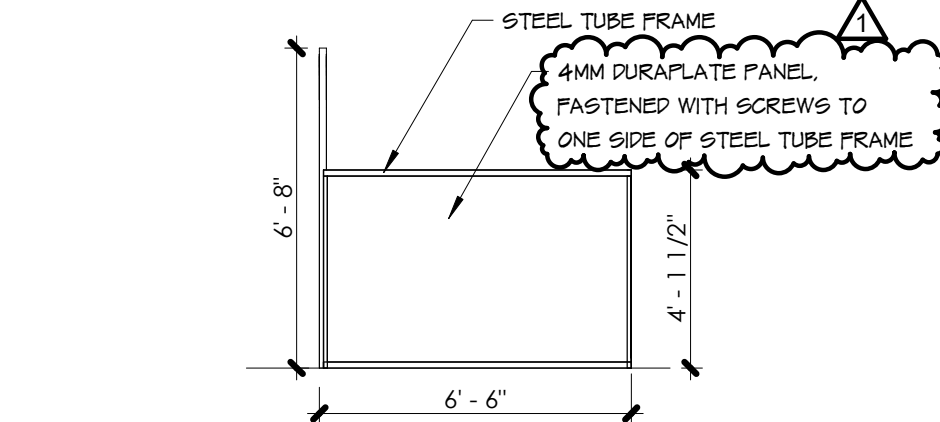
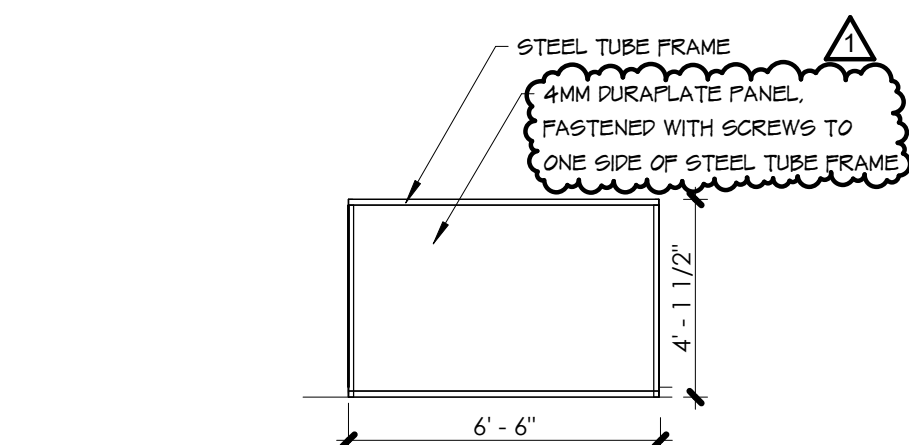
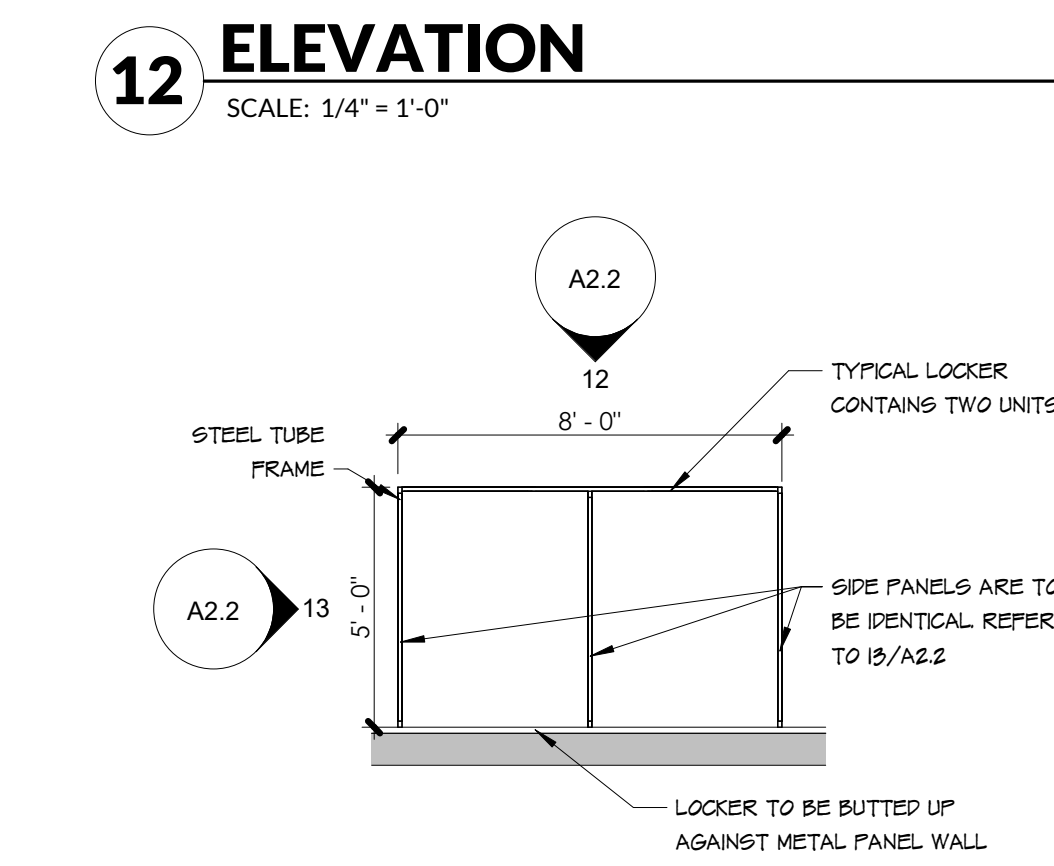
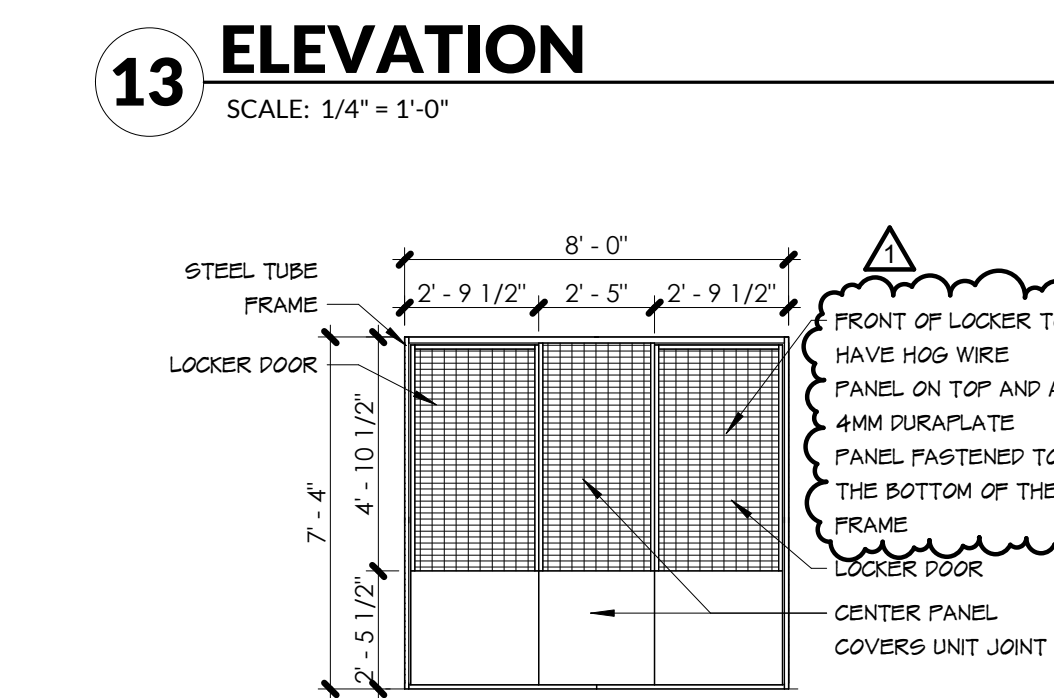
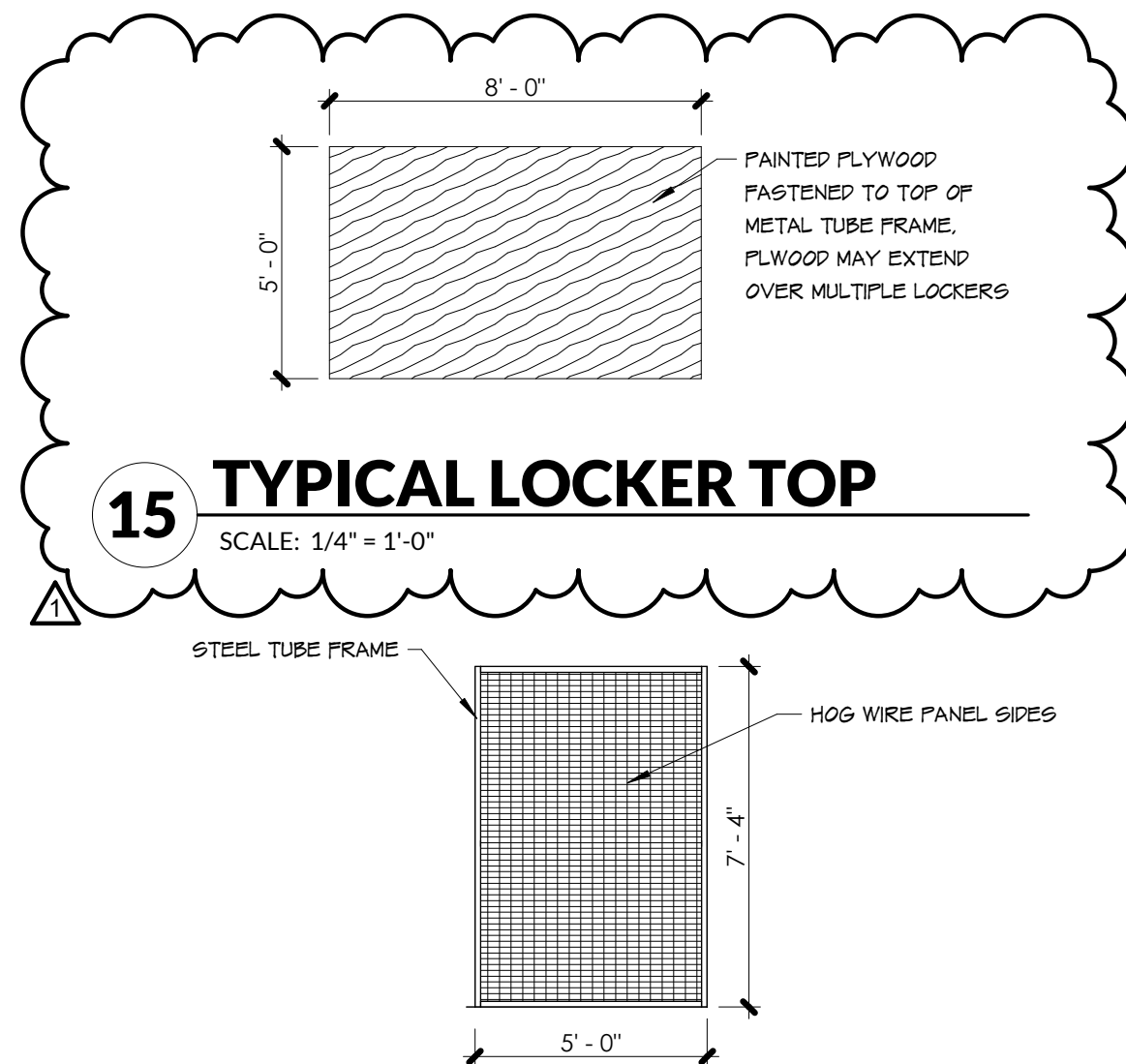
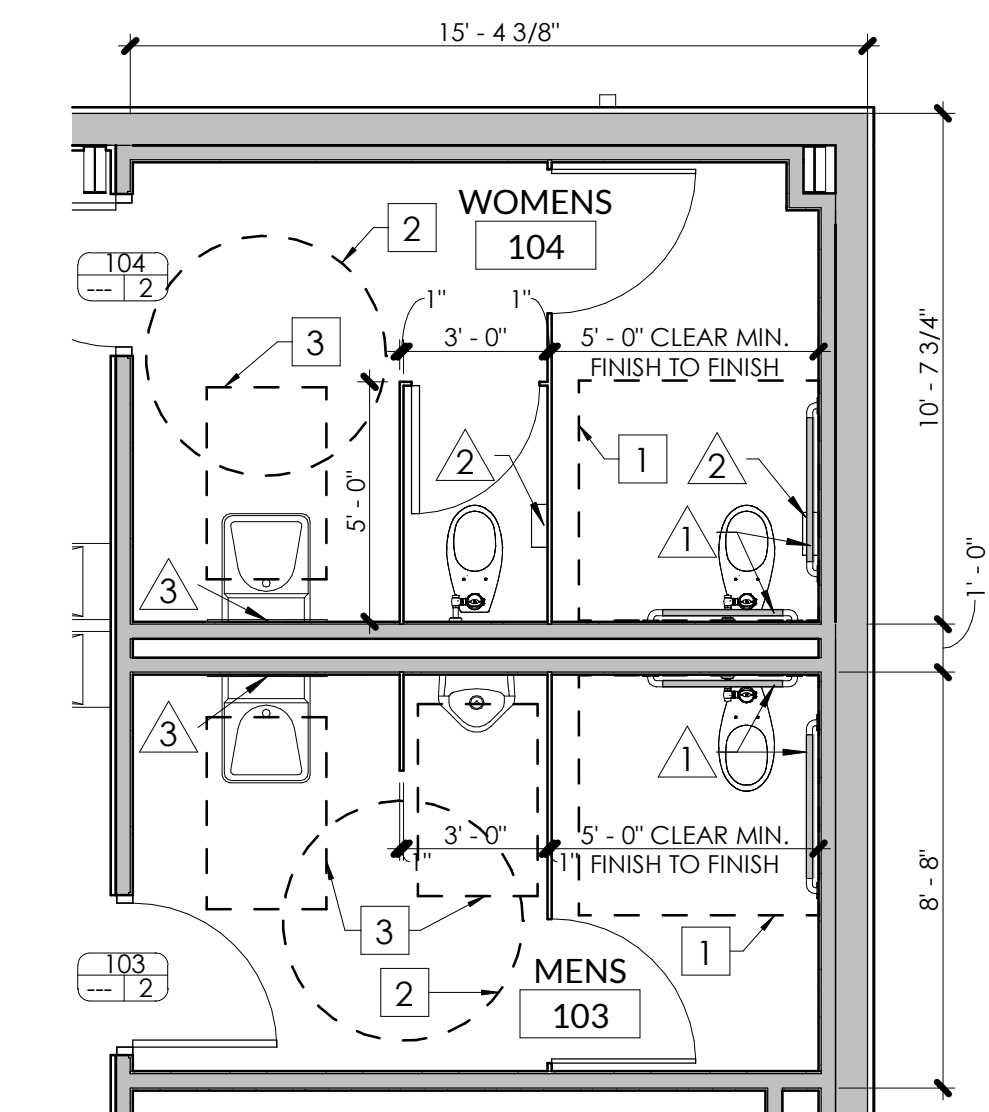
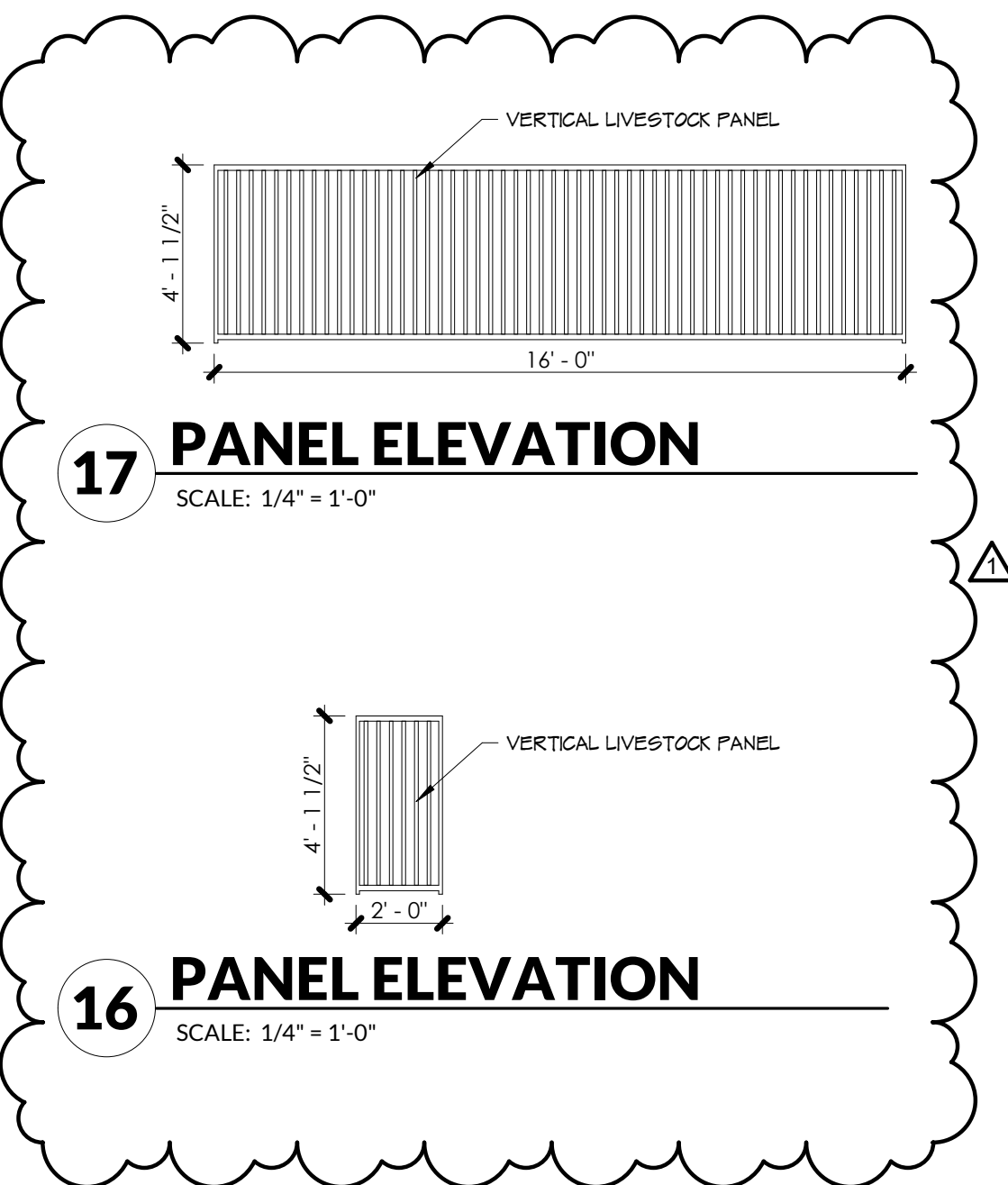
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ROOM FINISH SCHEDULE										
ROOM NO.	ROOM NAME	FLOORING		WALLS				CEILINGS		COMMENTS
		FLOOR FINISH	BASE FINISH	NORTH	EAST	SOUTH	WEST	CEILING FINISH	CEILING HEIGHT	
100	EXTERIOR PORCH	SC-1	---	---	---	---	---	PT-3	---	
101	STORAGE	SC-1	RB-1	FRP	FRP	FRP	FRP	ACP-1	10' - 0"	
102	OFFICE	SC-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACP-1	10' - 0"	
103	MENS	SC-1	RB-1	FRP	FRP	FRP	FRP	ACP-1	10' - 0"	
104	WOMENS	SC-1	RB-1	FRP	FRP	FRP	FRP	ACP-1	10' - 0"	
105	SHOW ARENA	---	---	PT-1	PT-1	PT-1	PT-1	PT-3	---	

ROOM FINISH SCHEDULE LEGEND AND COMMENTARY	
FLOORING	CEILINGS
SC-1 SEALED CONCRETE	ACP-1 LAY-IN CEILING
BASE	PT-3 EXPOSED STRUCTURE
RB-1 RUBBER BASE	
WALLS	
PT-1 METAL WALL PANEL	
PT-2 PAINTED GYPSUM BOARD	
FRP FRP PANEL TO CEILING	

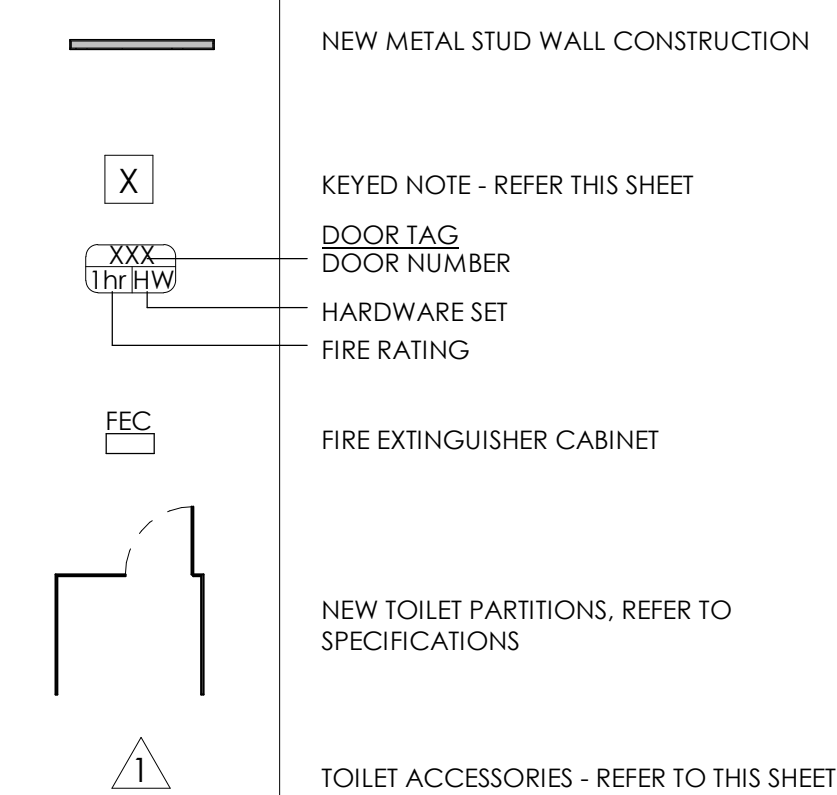
NEW ANIMAL PENS, WASH BAYS, AND LOCKERS ARE INTENDED TO MATCH ASSEMBLY AND MATERIALS OF EXISTING. DIMENSIONS AS INDICATED ON SHEET. CONTRACTOR TO FIELD VERIFY EXISTING ASSEMBLY AND MATERIALS.



- ## GENERAL NOTES

- A. THE FOLLOWING NOTES APPLY TO ALL PLAN SHEETS.
- B. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT FOR CORRECTION BEFORE PROCEEDING WITH CONSTRUCTION.
- C. ALL DIMENSIONS SHOWN ARE FROM FACE OF STUD OR FACE OF MASONRY.
- D. BLOCKING SHALL BE REQUIRED IN ALL STUD WALLS TO RECEIVE HANDRAILS, GRAB BARS, SHELVING, DOOR STOPS, AND ALL OTHER SIMILAR ITEMS REQUIRING A SECURE ANCHOR.
- E. THE GENERAL CONTRACTOR WILL BE REQUIRED TO COORDINATE ALL TRADES AS NECESSARY TO INSTALL ALL HANGING DEVICES FOR INSTALLATION OF ALL PIPING, MECHANICAL AND ELECTRICAL SYSTEMS.
- F. REFER TO REFLECTED CEILING PLAN FOR PARTITION HEIGHTS AND FIRE RATING REQUIREMENTS.
- G. REFER TO MEP SHEETS FOR ADDITIONAL REQUIREMENTS.

ENLARGED PLAN LEGEND



X KEYED NOTES

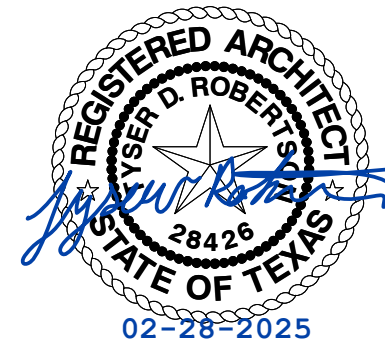
- 1 TAS COMPLIANT CLEAR FLOOR SPACE REQUIRED AT FIXTURE, 60" X 60"
2 TAS WHEELCHAIR TURNAROUND
3 TAS COMPLIANT CLEAR FLOOR SPACE REQUIRED AT FIXTURE 30" X 48"

 TOILET ACCESSORIES

- 1 TAS GRAB BARS 36", 42"
2 SANITARY NAPKIN DISPOSAL UNIT
3 MIRROR, 30" W X 36" H

ALTERNATES

- A. ALTERNATE NO. ONE - SHOW ARENA SLAB
PROVIDE A 5" CONCRETE SLAB-ON-GRADE REINFORCED W/ #4 BARS AT 16" O.C.E.W SIX INCHES LOWER THAN FINISH FLOOR. REFER TO STRUCTURAL SHEETS.

**ISSUED FOR BID**

JACOB

TBPE FIRM # 2448	TBAE FIRM # BR 2261	TBPELS FIRM # 10194493
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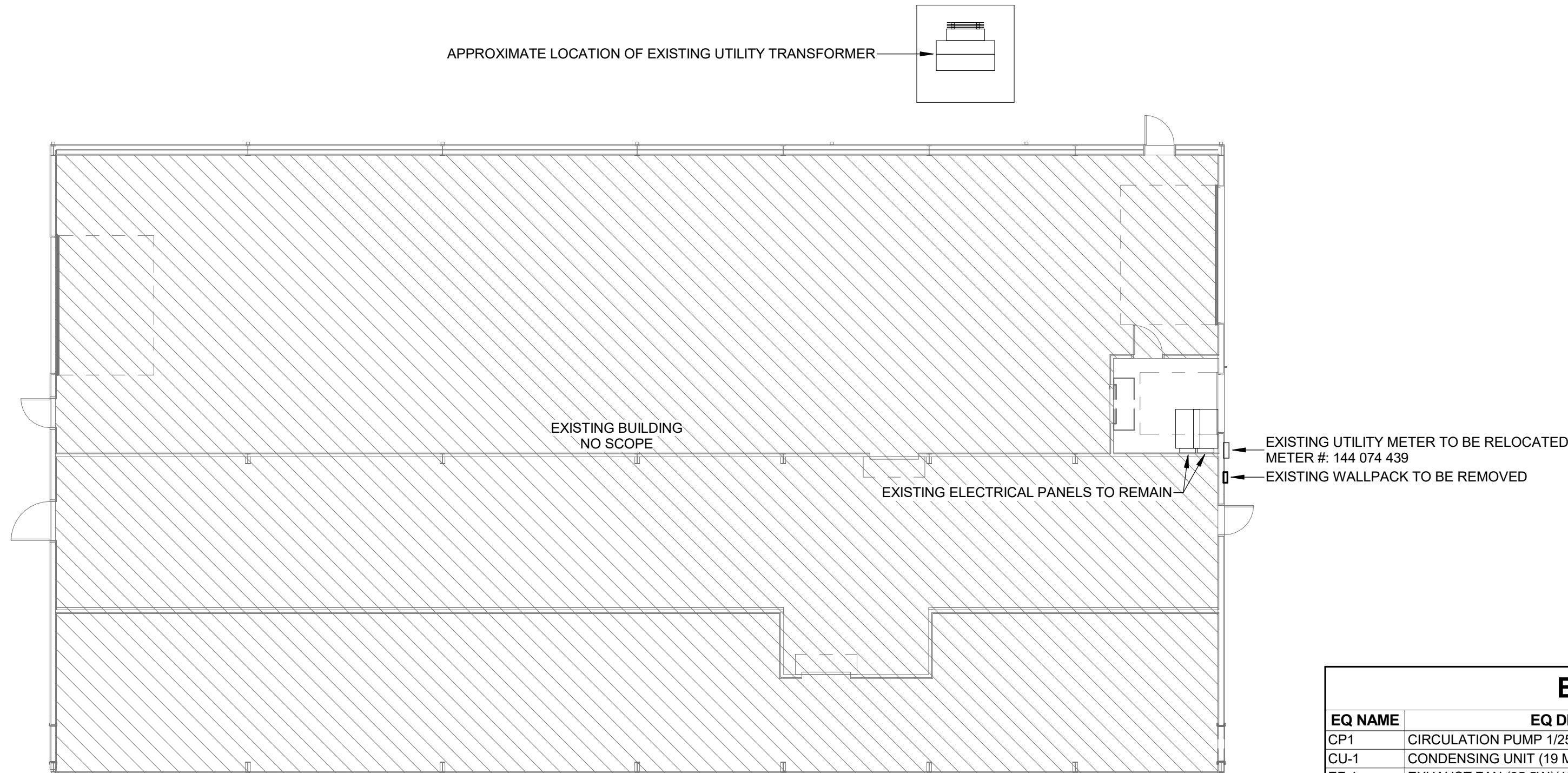
EULA ISD
AG RENO & ADDITION

ENLARGED FLOOR PLANS

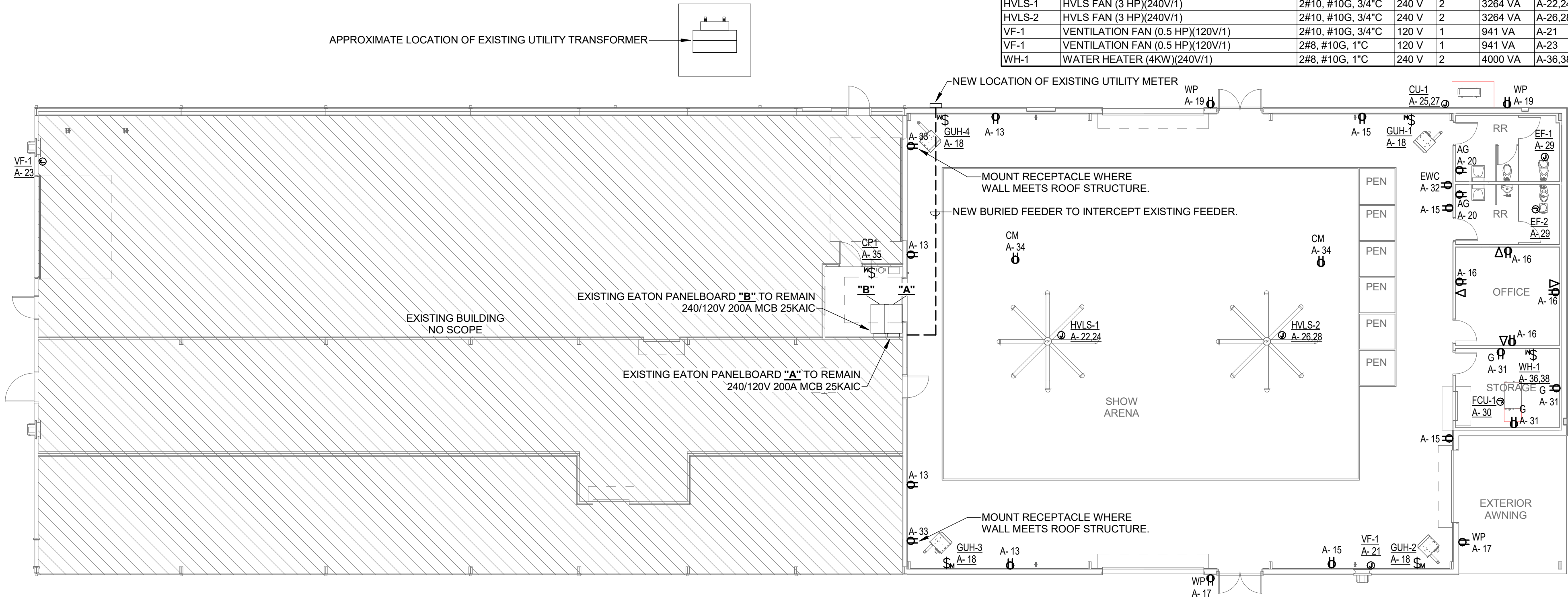
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2 ELECTRICAL DEMOLITION PLAN
3/32" = 1'-0"



1 POWER PLAN
3/32" = 1'-0"



EQUIPMENT SCHEDULE

EQ NAME	EQ DESC	FEEDER	VOLT	POLES	LOAD VA	CKT
CP1	CIRCULATION PUMP 1/25HP(120V/1)	2#12, #12G, 3/4"C	120 V	1	80 VA	A-35
CU-1	CONDENSING UNIT (19 MCA, 25 MOC)(240V/1)	2#10, #10G, 3/4"C	240 V	2	4104 VA	A-25,27
EF-1	EXHAUST FAN (35.5W)(120V/1)	2#12, #12G, 3/4"C	120 V	1	180 VA	A-29
EF-2	EXHAUST FAN (35.5W)(120V/1)	2#12, #12G, 3/4"C	120 V	1	180 VA	A-29
FCU-1	FAN COIL UNIT (2.3 MCA, 15 MOC)(240V/1)	2#12, #12G, 3/4"C	120 V	1	497 VA	A-30
GUH-1	GAS UNIT HEATER (0.03 HP)(120V/1)	2#12, #12G, 3/4"C	120 V	1	180 VA	A-18
GUH-2	GAS UNIT HEATER (0.03 HP)(120V/1)	2#12, #12G, 3/4"C	120 V	1	180 VA	A-18
GUH-3	GAS UNIT HEATER (0.03 HP)(120V/1)	2#12, #12G, 3/4"C	120 V	1	180 VA	A-18
GUH-4	GAS UNIT HEATER (0.03 HP)(120V/1)	2#12, #12G, 3/4"C	120 V	1	180 VA	A-18
HVLS-1	HVLS FAN (3 HP)(240V/1)	2#10, #10G, 3/4"C	240 V	2	3264 VA	A-22,24
HVLS-2	HVLS FAN (3 HP)(240V/1)	2#10, #10G, 3/4"C	240 V	2	3264 VA	A-26,28
VF-1	VENTILATION FAN (0.5 HP)(120V/1)	2#10, #10G, 3/4"C	120 V	1	941 VA	A-21
VF-2	VENTILATION FAN (0.5 HP)(120V/1)	2#8, #10G, 1"C	120 V	1	941 VA	A-23
WH-1	WATER HEATER (4KW)(240V/1)	2#8, #10G, 1"C	240 V	2	4000 VA	A-36,38

GENERAL POWER NOTES

- PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE CAULKED TO MAINTAIN THE FIRE RATING OF THE WALL.
 - INSTALL 3/4" CONDUIT TO ALL EXTERIOR DOOR FRAMES TO ACCESSIBLE CEILING SPACE FOR DOOR CONTROLS.
 - CONTRACTOR SHALL COORDINATE WITH ELECTRIC UTILITY FOR ALL DETAILS OF ELECTRIC SERVICE. CONTRACTOR SHALL USE UTILITY'S DETAIL DRAWINGS FOR ALL TRENCHING, BACKFILL, PRIMARY CONDUIT ROUTING, RADIUS TRANSFORMER PAD DETAILS, AND OTHER UTILITY SPECIFIC INFORMATION. PRIMARY CONDUIT ROUTING SHOWN IS CONCEPTUAL AND PRELIMINARY, EXACT DETAILS AND ROUTING SHALL BE PROVIDED BY ELECTRIC UTILITY AND CIVIL ENGINEER. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH UTILITY REQUIREMENTS. COORDINATE WITH:
COMPANY: AEP
PHONE: (888) 776-1368
- 1

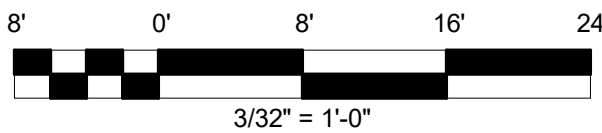
- UTILITY SHALL DISCONNECT AND RECONNECT EXISTING UTILITY METER. CONTRACTOR TO CALL UTILITY FOR DISCONNECT DATE THAT FITS CONSTRUCTION SCHEDULE. DISCONNECT DATE CAN ONLY BE SCHEDULED 60 DAYS AHEAD.
 - VERIFY/COORDINATE ALL OTHER DETAILS OF DISCONNECT/RECONNECT WITH UTILITY.

DATA SYMBOL LEGEND

TYPE	SYMBOL DESCRIPTION
▽	J-BOX FOR DATA OR PHONE OUTLET WITH 1"C TO ACCESSIBLE CEILING SPACE FOR FUTURE WIRING BY OWNER.

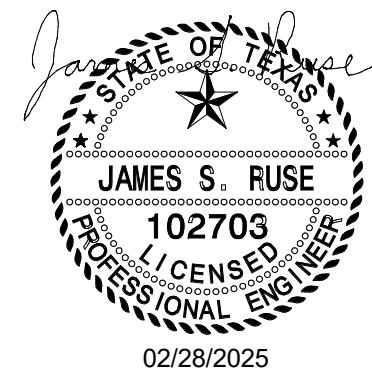
POWER SYMBOL LEGEND

TYPE	SYMBOL DESCRIPTION
AG	GFI DUPLEX RECEPTACLE ABOVE COUNTER; REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION
CM	CEILING MOUNTED DUPLEX RECEPTACLE MOUNTED TO STRUTURE FOR FUTURE USE. COORDINATE WIHT ARCHITECT FOR EXACT PLACEMENT.
EWC	GFI DUPLEX RECEPTACLE FOR ELECTRIC WATER COOLER, COORDINATE EXACT ELEVATION WITH INSTALLER OF WATER COOLER
G	GFI DUPLEX RECEPTACLE AT 18" ABOVE FINISH FLOOR, UNLESS NOTED OTHERWISE
WP	WEATHER RESISTANT GFI DUPLEX RECEPTACLE IN NEMA 3R WHILE IN USE METAL COVER
	STANDARD DUPLEX RECEPTACLE AT 18" ABOVE FINISH FLOOR, UNLESS NOTED OTHERWISE
⊙	JUNCTION BOX
\$	MOTOR RATED SWITCH

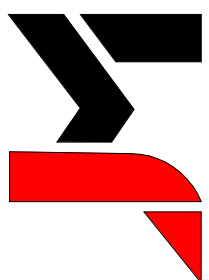


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Office 214.420.9111



JACOB MARTIN



TBPELS FIRM # 10194953
TBAE FIRM # BK 2261
TBPE FIRM # 2448

EULA ISD
AG RENO & ADDITION

POWER FLOOR PLAN

NO.	REVISION	DATE
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