ADDENDUM 01

Addendum to the drawings and specifications for:
Kendall County – Emergency Medical Services Station No. 3

This addendum is hereby made a part of the contract documents to the same extent as though it were originally included therein. This addendum shall take precedence over the original drawings and specifications where its provisions apply.

GENERAL

Item 1.1 – Clarified Parking Counts
Revised Sheet A1.1 to include parking lot tabulations per T.A.S. report.

Item 1.2 – Door Clearance Requirements
Revised Sheet A3.2 & A4.0 to include 18" dimension on Doors D102A , D102B D123 to ensure compliance with T.A.S.

Item 1.3 – Personnel Shower Wall Length
Refer to revised sheet A4.0 for the revised shower configuration of Bathroom 123 . 131 & Private R.R. With Shower 107 to allow for adaptable design / ADA.

Item 1.4 – Shower Compartment Controls
Refer to revised sheet A4.0 and P2.1 & S-1.1 for revising the shower compartments size & water controls to on the plan west walls of Bathroom 123 . 131 & Private R.R. With Shower 107 to ensure compliance with T.A.S.

Item 1.5 – Kitchen Floor Clearance
Refer to revised sheet A4.1 to include a clarification dimension added to partial plan 1.

Item 1.6 – Spec Section 012100 - Allowances
Refer to attached specification which was included in the table of contents & Bid Tab, but omitted from Spec Volume #01.

Item 1.7 – Spec Section 012200 – Unit Prices
Refer to attached updated Specification Section 012200 - Unit Prices. Unit pricing for water well depth changed to assume consistent bore and casing size for the entire depth of the well.

Item 1.8 – Spec Section 012300 - Alternates
Refer to attached updated Specification Section 012300 - Alternates. Alternate added for water well installation to include drilling, casing, gravel packing, concrete encasement, well head assembly, and submersible pump.

Item 1.9 – Proposal Form Update
Refer to attached updated Section 004100-Proposal Form. The form was updated to coordinate with revisions to unit prices and alternates.

Item 1.10 – Updates Water Well Sheets A2.4 and A2.5

BEATY PALMER ARCHITECTS

EMERGENCY MEDICAL SERVICES STATION NO.3

Date
10.06.23

Project No
22-41

Owner
Kendall County
210 E San Antonio Ave #122,
Boerne, TX 78006

Architect
Beaty Palmer Architects
110 Broadway, Suite 600
San Antonio, Texas 78205

Attachments

Architectural Drawing Sheets : A1.1 ,A1.2 ,A1.3 , A1.4 , A2.1, A2.3 , A2.4 , A2.5 , A3.0, A3.1 A3.2 , A4.0 , A4.1 , A5.0 , A6.0 , A6.1 , A8.0 , A8.2 ,

Bain Medina Bain Addendum No. 1
Narrative, C5, C-6, C-13

CNG Engineering Addendum No. 1
Narrative
Sheets M1.2, E1.0 , E1.1 , E1.2 , E2.1 , E5.1 , E5.2 , E6.2 , P2.1 , P4.1 , P4.2

AXIS Structural Narrative
S-1.1

Issued By

10.06.23
Cory Hawkins, AIA
Beaty Palmer Architects, Inc.

Dimensions on Dog House and Special Water Well Notes updates per water well questions and responses below.

Item 1.11 – CIVIL Updates
Refer to attached Addendum No. 1 from Bain Medina Bain for miscellaneous Civil Drawing Updates to Sheets C-5, C-6, and C-13.

Item 1.12 – Mechanical-Electrical (MEP) Updates
MECHANICAL
SHEET M1.2 – MECHANICAL SCHEDULES
- Item 1: Added EUH-3 to Electric Unit Heater Schedule.

ELECTRICAL
SHEET E1.0 – ELECTRICAL SITE PLAN
- Item 1: Updated Panel SEP-1.
- Item 2: Added call-out for Water Tank and Water Well.
- Item 3: Added Panel WP-1.
- Item 4: Revised Note 1 to indicate power for plumbing fixture sensors.

SHEET E1.1 – ELECTRICAL FLOOR PLAN - POWER
- Item 1: Removed CF circuits from power plan and added to lighting plan Sheet E2.1.
- Item 2: Added Keyed Notes 18 - 22 to Detail 1 Keyed Notes. Notes reflected onto Detail Power Plan Sheet.

SHEET E1.2 – ELECTRICAL ENLARGED PLANS - POWER
- Item 1: Added Detail 3 Electrical Site Plan – Enlarged Well plan.
- Item 2: Detail 1 – add FACP to mechanical room.
- Item 3: Relocated receptacle in Electrical room to avoid column.
- Item 4: Updated receptacles in Data Room to match Technology drawings.

SHEET E2.1 – ELECTRICAL LIGHTING PLAN
- Item 1: Modified exterior EMS Bay downlights.
- Item 2: Modified lighting in Mechanical and Electrical Room, laundry room, and the kitchen.
- Item 3: Added Ceiling Fan circuits to lighting plan.

SHEET E5.1 – ELECTRICAL SCHEDULES
- Item 1: Added Well Pump Panel (WP-1) and Septic Panel (SEP-1) to Panel P1 Schedule.

SHEET E5.2 – ELECTRICAL SCHEDULES
- Item 1: Added Well Pump Panel (WP-1) schedule.
- Item 2: Added Septic Panel (SEP-1) schedule.

SHEET E6.2 – ELECTRICAL DETAILS
- Item 1: Added Well Pump Panel (WP-1) rack detail.
- Item 2: Added Septic Panel (SEP-1) rack detail.

PLUMBING

SHEET P2.1 – PLUMBING FLOOR PLAN – DOMESTIC WATER AND GAS

- Item 1: Revised shower cold and hot water rough-in locations per Architect's direction.
- Item 2: Relocated pressure tank to well house per feedback from Well Driller Contractor.
- Item 3: Revised key notes #6 and #13 per item 2 above and provided additional pump requirement information.

SHEET P4.1 – PLUMBING DETAILS

- Item 1: Revised detail #4 to remove pressure tank from water entry detail.

SHEET P4.2 – PLUMBING DETAILS

- Item 1: Revised detail#3 Plumbing Isometrics per plumbing revisions noted above.

Item 1.13 – Bid Questions and Responses

1. **Question:** Please provide a pavement plan that shows which areas are light duty vs. heavy duty pavement.?

Response to Question 1: *Provide 2" thick asphalt section for all asphalt areas as indicated in the Civil Drawings to include base and geogrid as indicated.*

2. **Question :** Please provide details and/or specifications for brick pavers at entry?

Response to Question 2: Refer to added plan details on sheet A2.3 , A3.0 & C6 for clarification of design intent. This paving area is light duty concrete paving with tooled control joints.

3. **Question :** What is the height of the dog house? What about the well house?

Response to Question 3: *Refer to added dimensions on updated sheet A2.4 & A2.5 for clarification.*

4. **Question :** Architectural details show roof underlayment, but there is no roof deck called out. Please confirm that underlayment is not required or clarify if roof decking is required.?

Response to Question 4: *No Sheathing Required, provide P.E.M.B. typical roof assemblies. Refer to revised details on sheet A5.0 as clarification of design intent.*

5. **Question:** Roller shades are shown in the specifications but not on plans. Please clarify where roller shades are required?

Response to Question 5: *Refer to revised Sheet A1.4 for added keynote 9 clarifying roller shade locations.*

6. **Question :** Confirm no FRP is required on the project. FRP is shown on multiple details on A8.0 but is not shown on the Finish Schedule or Specifications.?

Response to Question 6: *No F.R.P. is required for this project. Refer to updated Sheet A8.0 .*

7. **Question:** The finish schedule on A1.4 has the data room ceiling as EX, but the RCP shows ceiling tile. Please advise which option should be included in the proposal?

Response to Question 7: Provide exposed EX ceiling in data room, refer to revised Room Finish Schedule updated on A1.4 and updated Reflected Ceiling Plan on Sheet A3.1.

8. **Question** : The wall between the laundry and data is shown to be an A1, which would be 8'10" tall and would not reach the mezzanine deck at 10'9". With the mini split in the data room should that wall get changed to a Type D or type C and go to the mezzanine deck?

Response to Question 8: Wall partition type to be F-1 refer to revised Sheet A3.2 for clarification of various wall types related to this project. All walls below the mechanical platform are to be constructed to the bottom of platform deck.

9. **Question :** The North wall in the meeting room is shown as a C1 but is shown to include insulation on the plan. Should the north wall be a C and include insulation for the mini split in the data room?

Response to Question 9: Yes refer to revised sheet A3.2 for meeting room north wall clarification insulation added to the plan.

10. **Question** : D102C is shown to be a PLAM door installed in an aluminum frame with a 90-minute rating. The supplier said you can only get a 60-minute rating with PLAM door and would have to switch to HM for 90. You would also have to go to an Aluflam storefront system for the 90-minute rating which would greatly increase the cost versus a HM system. Please advise on the door and hardware for the fire rated partition.?

Response to Question 10: Revised Sheet A1.2 for Doors D102B & D102C to be hollow metal doors & frames with fire rated glazing.

11. **Question** : D117 and D106 are shown to be a Type I with ¼"glass. Both doors are exterior doors so should the glass be 1" IG instead of ¼" glass?

Response to Question 11: Yes 1" insulated glazing required for exterior doors , refer to revised sheet A1.2 for revised Door Type I to have 1" I.G. units in lieu of ¼" Glass.

12. **Question :** Details on A8.2 show plastic laminate millwork, but the specifications and color legend show wood veneer millwork. Please clarify which is correct.?

Response to Question 12: Wood Veneer Millwork is desired. Refer to updated Sheet A1.4 & A8.2 include hardwood edge banding on cabinet doors and based to match veneer.

13. **Question :** The south wall of the EMS Bay is shown to have a curb per wall type C1 on A3.2. Please show curbs on structural foundation plan. Should the north wall of Yard Storage have a curb?

Response to Question 13: No Curb is required for north wall of Yard storage. Refer to revised sheet A3.2 for clarification of various wall types related to this project.

14. **Question :** Avigilon is the only manufacturer listed for cameras and access control. Can other manufacturers be substituted or does Avigilon provide the system for Kendall County? This will limit the participation for access control and security since you would have to be an Avigilon certified technician.?

Response to Question 14: Avigilon is required, no substitutions allowed.

15. **Question :** Irrigation drawings show that the irrigation is to feed from the rainwater collection tank that is an Alternate. Please provide drawings that tie the irrigation system to the base bid water system?

Response to Question 15: No irrigation is required for the base bid.

16. **Question :** Product Substitution Request Aluminum Framed Entrances & Storefronts ?

Response to Question 16: Storefront Specification can be considered non-proprietary and will be reviewed for performance compliance during submittal process.

17. **Question :** Will this project be subject to certified payroll reporting requirements? / Davis Bacon Act? If so, please

send reporting requirements that we may forward to our subs. ?

Response to Question 17: No Certified Payroll will be required for this project.

18. **Question :** Is prevailing wage required on this project? If so please provide the wage scale?

Response to Question 18: Yes, Prevailing wages are required. Refer to Specification Section 002113 Instructions to Offerors, 7.08.

19. **Question :** Can American Standard Steel Building Systems be listed on the approved manufacturer list for 133419 Metal Building Systems?

Response to Question 19: Subject to requirements manufacturer's must be able to delivery profiles detailed in the drawings to include rectangular fascia and gutters in gauges adequate to prevent oil canning.

- Horizon Building Systems
- Red Dot Buildings
- Mueller Inc.
- American Western Steel
- Straightline Metal Buildings

20. **Question :** Is there a detail in the plan that shows the AHU platform framing? The wall details A3.2 type D walls show 8" 16ga. framing. Please advise on the gauge of wall studs supporting the platform?

Response to Question 20: provide 16ga wall framing for wall studs support for the A.H.U. Platform.

21. **Question** : Please provide more information regarding the SEP Loadcenter on E4.1. ?

Response to Question 21 : Refer to revised sheet E4.1

22. **Question :** There are a number of downlights not identified in reference to E2.1. Also 2 – type 'B' in training room not circuited?

Response to Question 22 : Refer to the revised sheet E2.1

23. **Question :** Is there a room schedule for sign types A, B, C and D?

Response to Question 23 : No Please refer to keynotes 1 , 2 , 3 , 5 & 6 on Sheet A1.4

24. **Question :** Would a light stipple roller texture be accepted in lieu of sprayed texture in relation to the interior paint spec ?

Response to Question 24 : Provide spray applied Light Orange Peel Texture to match the owners other facilities. (1175 N Main St, Boerne, TX 78006)

25. **Question :** Clarification on Toliet Accessory TA-9 ?

Response to Question 25 : TA-9 in intended to be a 48" horizontal grab bar with penned grip (typical 1 per personnel shower location) refer to revised sheet A4.0

26. **Question :** The Fridge and the Washer and Dryers don't have a model number called out in the drawings or the specs. Is there one specifically that the owner wants here?

Response to Question 26 : Fridge , Washer & Dryer are Owner provided / Owner installed. Project scope is to provide connections as required.

27. **Question :** Eave height on Roll up Overhead doors. We see no height elevations on building sections or plan elevation sheets?

Response to Question 27 : Building Eave Heights added to sheet A6.0, refer to Sheet A1.2 for nominal exterior O.H. door sizes.

28. **Question :** On sheet C-4, they show Storm Drain System. The Structures are marked existing. Are They?

Response to Question 28 : Storm drainage junction boxes, curb inlets and piping running north south and off the project site is existing Voss Middle School Infrastructure. Refer to Section A-A on C-8 for the new section of storm drain pipe required between the detention pond and the existing Junction Box JB#25.

Item 1.14 - Questions on Water Well Installation and Components:

1. **Question:** A 208 volt single phase circuit is shown for the "well pump" we assume this is for the water well submersible pump, but no circuit appears on the plans for the domestic booster pump shown in the well house on the Architectural Plans A2.4 and A2.5. Please advise on booster pump size and circuit requirements.

   Response: Provide 3 HP Domestic Water Booster Pump with 208 volt single phase power sized to provide 41gpm at 60 to 70psi. Refer to updated sheets A2.4, A2.5, and E1.0

2. **Question:** Is any lighting required for the well house?

   Response: No.

3. **Question:** Is a space heater desired in the well house?

   Response: Yes, provide space heater . Refer to updated sheet M1.2 additional information.

4. **Question:** Is a low water alarm required for the domestic water tank?

   Response: Yes, provide and install a low water level alarm to be set at 40% capacity of the domestic water tank. Refer to updated sheets A2.4, A2.5,.

5. **Question:** What is the domestic water demand for the facility in GPM?

   Response: 41 GPM.

6. **Question:** What is the pressure required for the domestic water supply?

   Response: 60 to 70 PSI.

7. **Question:** What is the daily / annual water demand for the facility, this appears to be required for permitting the well through Cow Creek WCD?

   Response: Design intent is for the system to be able to deliver up to 700 gallons per day. However, the Owner's existing facility has an average monthly water use of 3,800 gallons per month, ranging from 3400 gallons to 4400 gallons.

8. **Question:** A 19,500 gallon domestic water tank is specified to be supplied by National Storage Tank. Will substitutions of equal products be allowed?

   Response: Yes, Please consider the National Storage Tank

specification a basis of design. Locally available vendors for equal tanks can be priced by bidders. Corrugated steel tank required, may also utilize a low slope roof in lieu of the pitched roof indicated. Delegated design engineered shop drawings are required to include the seal of a P.E.

9. **Question:** Is a groundwater availability report (GAR) by a hydrologist required for the water well installation?

   Response: Bidders are required to provide all permitting costs, report(s), and or tests as may be required by Kendall County and or the Cow Creek Water Conservation District. Based on the Owner's water usage at an existing EMS station, the GAR is not required.

10. **Question:** Can the water pressure tank shown in the mechanical room be installed in the well house?

    Response: Yes, the water pressure tank can be located in the well house. Refer to updated plans.

11. **Question:** Section 221123 calls for Grundfos and TACO pumps, but not Goulds. Can Goulds be utilized?

    Response: Goulds is an acceptable manufacturer for the water well submersible pump.

12. **Question:** May we use a 10" Borehole for the entire depth of the well and gravel pack the well?

    Response: Yes. We understand that the bore hole needs to be larger than the casing and assume a 10" bore is required for well installation.

13. **Question:** Different sizes are called out on the unit prices and well spec for casing and bore hole. Can we price with a consistent well diameter for the entire depth of the well.

    Response: Yes. Refer to updated Proposal Form and Unit Prices Specification Section.

14. **Question:** We typically use 4.5" or 5" well casing. Can the 6" casing requirement be reduced to standard size?

    Response: Per Kendall County, provide 6" casing.

15. **Question:** 4" sleeves as depicted for 2" water lines at the well house to the water tank are configured in such a way that they will not allow fishing a new line through them as they include 90 degree bends. Can these 4" sleeves be omitted?

    Response : Yes, 4" sleeves at well house are not required based on this feedback. Exact piping configuration and

layout can be coordinated and confirmed during construction. Refer to updated keynote 23 & 17 on sheet A2.4 , A2.5.

Item 1.15 Questions Regarding Irrigation Alternate:

16. **Question:** No circuits are shown for the irrigation alternate. Please advise.

    Response: Include cost to provide and install a 120 volt irrigation controller circuit and a 208 volt single phase booster pump circuit. Provide an additional 120 volt water fill line control valve circuit in order to prevent water pressure loss in the building when domestic water is in use.

17. **Question:** Is the makeup water line "fill line" to the RWH tank required to be insulated and jacketed similar to the domestic tank fill line?

    Response: Yes, please insulate and jacket the line as indicated on the domestic water tank fill line.

18. **Question:** Does the county want the 2" makeup water line to the RWH tank to be sleeved similar to the domestic tank fill line with a 4" sleeve?

    Response: No, sleeve is required for the irrigation tank makeup water line.

19. **Question:** Where will the irrigation booster pump be installed for the alternate? The 8'x8' well house is likely not large enough to house the domestic booster, well head, and an additional irrigation booster pump.

    Response: Include cost in the irrigation alternate to install the irrigation booster pump on a 3,000psi concrete pad or ring reinforced with #3 rebar at 12"ocew. Include cost to provide and install a prefabricated and insulated enclosure for the irrigation booster pump.

Item 1.16 – Pre Bid Meeting Attendee List
Refer to the attached Pre-Bid Sign-In Sheet for Pre-bid Conference attendees list for refence related to this project.

ADDENDUM NO.1

Date: October 5, 2023
Project: Kendall County EMS Station No. 3
BMB Job No. C-1623

From: Bain Medina Bain Inc.
7073 San Pedro,
San Antonio, Texas 77216

This addendum forms a part of the Contract Documents, modifying and superseding where it is inconsistent with them. All other conditions of the Contract Documents remain unchanged. All work workmanship and materials shall conform to the Contract Documents and Specifications except as amended herein.

Civil Drawings

Replace Drawing Sheet C-5: Grading Plan

Item 1. Updated sheet legend to include shading for asphalt paving

Item 2. Updated sheet legend to include shading for detention pond.

Item 3. Update sheet legend to include shading for concrete.

Replace Drawing Sheet C-6: Area Grading Plan

Item 1. Replaced brick pavers with tooled joint concrete.

Item 2. Revised key note for tooled joint concrete.

Replace Drawing Sheet C-13: Civil Details

Item 1. Detail 4 Pavement Section – Remove raw subgrade heavy duty section.

STATE OF TEXAS
CARL BAIN
56996
REGISTERED
PROFESSIONAL ENGINEER

Carl R. PE 10/6/2023

Carl Bain, PE
Bain Medina Bain, Inc.

Attention to Detail

ADDENDUM #01

Date: 10-06-2023
Project: Kendall County EMS Station No.3
Project No.: 22-0078

From: CNG Engineering, PLLC
1917 N New Braunfels Ave. Ste. 201
San Antonio, Texas 78208

CNG Engineering, PLLC
TBPE F-7964

To: All Sub-Contractors and others to whom Drawings and Specifications have been issued.

This addendum is generally separated into sections for convenience; however, all contractors, subcontractors, material men, and all other parties shall be responsible for reading this entire addendum. The failure to list an item or items in all affected sections of this addendum does not relieve any party affected from performing as per instructions, providing that the information is set forth one time any place in this addendum. The addendum forms a part of the Contract Documents, modifying and superseding where it is inconsistent with them. All other conditions of the Contract Documents remain unchanged.

CHANGES TO DRAWINGS AND SPECIFICATIONS

MECHANICAL

REPLACE DRAWING SHEET M1.2 WITH NEW DRAWING SHEET M1.2 – MECHANICAL SCHEDULES

Item 1: Added EUH-3 to Electric Unit Heater Schedule.

ELECTRICAL

REPLACE DRAWING SHEET E1.0 WITH NEW DRAWING SHEET E1.0 – ELECTRICAL SITE PLAN

Item 1: Updated Panel SEP-1.

Item 2: Added call-out for Water Tank and Water Well.

Item 3: Added Panel WP-1.

REPLACE DRAWING SHEET E1.1 WITH NEW DRAWING SHEET E1.1 – ELECTRICAL FLOOR PLAN - POWER

Item 1: Removed CF circuits from power plan and added to lighting plan Sheet E2.1.

Item 2: Added Keyed Notes 18 - 22 to Detail 1 Keyed Notes. Notes reflected onto Detail Power Plan Sheet.

REPLACE DRAWING SHEET E1.2 WITH NEW DRAWING SHEET E1.2 – ELECTRICAL ENLARGED PLANS - POWER

Item 1: Added Detail 3 Electrical Site Plan – Enlarged Well plan.

Item 2: Detail 1 – add FACP to mechanical room.

Item 3: Relocated receptacle in Electrical room to avoid column.

Item 4: Updated receptacle locations in Data Room to match Technology drawings.

REPLACE DRAWING SHEET E2.1 WITH NEW DRAWING SHEET E2.1 – ELECTRICAL LIGHTING PLAN

Item 1: Modified exterior EMS Bay downlights.

Item 2: Modified lighting in Mechanical and Electrical Room, laundry room, and the kitchen.

Item 3: Added Ceiling Fan circuits to lighting plan.

REPLACE DRAWING SHEET E5.1 WITH NEW DRAWING SHEET E5.1 – ELECTRICAL SCHEDULES

Item 1: Added Well Pump Panel (WP-1) and Septic Panel (SEP-1) to Panel P1 Schedule.

REPLACE DRAWING SHEET E5.2 WITH NEW DRAWING SHEET E5.2 – ELECTRICAL SCHEDULES

Item 1: Added Well Pump Panel (WP-1) schedule.

Item 2: Added Septic Panel (SEP-1) schedule.

REPLACE DRAWING SHEET E6.2 WITH NEW DRAWING SHEET E6.2 – ELECTRICAL DETAILS

Item 1: Added Well Pump Panel (WP-1) rack detail.

Item 2: Added Septic Panel (SEP-1) rack detail.

PLUMBING

REPLACE DRAWING SHEET P2.1 WITH NEW DRAWING SHEET P2.1 – PLUMBING FLOOR PLAN – DOMESTIC WATER AND GAS

Item 1: Revised shower cold and hot water rough-in locations per Architect's direction.

Item 2: Relocated pressure tank to well house per Architect's direction.

Item 3: Revised key notes #6 and #13 per item 2 above and provided additional pump requirement information.

REPLACE DRAWING SHEET P4.1 WITH NEW DRAWING SHEET P4.1 – PLUMBING DETAILS

Item 1: Revised detail #4 to remove pressure tank from water entry detail.

REPLACE DRAWING SHEET P4.2 WITH NEW DRAWING SHEET P4.2 – PLUMBING DETAILS

Item 1: Revised detail#3 Plumbing Isometrics per plumbing revisions noted above.

End of Narrative

Structural Supplemental Information

ADDENDUM 01 (SSI – 1)

October 3, 2023

Beaty Palmer Architects
110 Broadway, Suite 600
San Antonio, Texas 78205

To Plans and Specifications for **Kendall County EMS Station #3** AXIS Project Number: 22323-0

Preface Requirements

This supplemental information is referred to by item for reporting convenience; however, all contractors, subcontractors, material men and other parties shall be responsible for all work affected by this information. The failure to list an item or items in all affected sections does not relieve any party affected from performing as per instructions, providing that the information is set forth one time any place. This supplemental information forms a part of the contract documents, modifying and superseding where it is inconsistent with them. All other conditions of the contract documents remain unchanged.

Mike Bratten, PE

List of Structural Supplemental Information

ITEM 1) S-1.1 Foundation Plan – Revised slab drops at showers to reduce size shown and note overall dimensions of the dropped areas per the request of the architect. Refer to SSI-1 Sheet S-1.1, dated October 3, 2023.

END OF SUPPLEMENTAL INFORMATION #1

BEATY PALMER ARCHITECTS

KENDALL COUNTY EMS STATION NO. 3

BPA Project No. 22-41

Date	Start	End	Location	Subject	Next Mtg Date	Company
09.21.23	10:00 AM		Kendall County EMS, 1175 N Main Boerne TX 78006	PRE - BID CONFERENCE		

Initials	Name		Organization	Office Phone	E-Mail
CWH	Cory Hawkins		BEATY PALMER ARCHITECTS	210.212.8022	chawkins@beatypalmer.com
	Terry Palmer		BEATY PALMER ARCHITECTS	210.212.8022	tpalmer@beatypalmer.com
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	Mike Bratten		AXIS STRUCTURAL	210.824.2908 ext 102	mike@axisstructural.com
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MF Mari Zapata — AGCM

Richard Chapman — Kendall Co. Commissioner PCT 3

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	Brandon Gaeke		Trevino Group	210-632-3941	bgaeke@trevinogroup.com
	Scott Melton		Tegrity Contractors	2109046227	Scott@tegrity-contractors.com
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	Ross Loeffler		Kopplow Construction	210 3269888x207	rloeffler@kopplow.com
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	Raul Scott Jr		All Pro. Gen. Const.	210-627-2563	Rauljr@apgc.Pro
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	Hector Hernandez		All Pro Gen Const.	—	—
	Jason Leonard		Leonard Contracting	2104938303	jason@leonardcontracting.com
	Tim Caddell		Structura Gen. Contractor	210-420-9246	Tim.Caddell@StructuraInc.com
	Angela Menchaca		Structura	210 418-2002	angela.menchaca@Structurainc.com
	Ron Clark		Jump Fiber	210-868-3219	R.Clark@jumpfiber.com
	Vidal A		Marksmen GC	210-900-7378	vidal@marksmengc.com
	Daniel Gunn		Marksmen GC	281-352-7961	danielg@marksmengc.com
	Kevin Langford		Bee Cave Drilling - water well	512-203-4564	Kevin@BeeCaveDrilling.com
	Walter Scott		" " "	512-426-9200	Walter@BeeCaveDrilling.com

SECTION 00 4100 - PROPOSAL FORM

THE PROJECT AND THE PARTIES

1.01 TO:

Kendall County Auditor
C/O Corinna Speer
201 East San Antonio Avenue, Suite 113
Boerne, Texas 78006

1.02 FOR:

A. Kendall County Emergency Medical Services Station No. 3

1.03 DATE: _____ (OFFEROR TO ENTER DATE)

1.04 SUBMITTED BY: (OFFEROR TO ENTER NAME AND ADDRESS)

A. Offeror's Full Name
_____

1. Address _____

2. City, State, Zip_____

1.05 OFFER

A. **BASE PROPOSAL** DUE before 2:00 PM, October 13th, 2023, Having examined the Work and all matters referred to in the Instructions to Bidders and the Contract Documents prepared by Beaty Palmer Architects for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract with the Owner to perform the Work for the Sum of:

1. Base Proposal (Inclusive of all Allowances)
_____ dollars
($_____), in lawful money of the United States of America.
(Proposal will be judged on this total with awarded alternates.)

2. Alternate No. 1 – Landscaping DEDUCT
_____ dollars
($_____), in lawful money of the United States of America.

3. Alternate No. 2 – Video Surveillance System DEDUCT
_____ dollars
($_____), in lawful money of the United States of America.

4. Alternate No. 3 – Pole Mounted Site Lighting DEDUCT
_____ dollars
($_____), in lawful money of the United States of America.

5. Alternate No. 4 - Access Control System DEDUCT
_____ dollars
($_____), in lawful money of the United States of America.

6. Alternate No. 5 - Architectural Canopy DEDUCT
_____ dollars
($_____), in lawful money of the United States of America.

7. Alternate No. 6 – Porch Handrail ADD
_____ dollars
($_____), in lawful money of the United States of America.

8. Alternate No. 7 - Walk-in Well House ADD
_____ dollars
($_____), in lawful money of the United States of America.

9. Alternate No. 8 - Irrigation and Rainwater Harvesting ADD
_____ dollars
($_____), in lawful money of the United States of America.

10. Alternate No. 9 - Water Well DEDUCT
_____ dollars
($_____), in lawful money of the United States of America.

11. Owner's Contingency 5% of the Base Bid Proposal value (Inclusive of all Allowances)_____ dollars
($_____), in lawful money of the United States of America.

12. Contractor's Overhead and Profit___% of Base Proposal value (Inclusive of all Allowances)_____ dollars
($_____), in lawful money of the United States of America.

C. Owner Contingency and Allowances described in Section 012200 are included in the Base Bid Sum.

D. The Offeror hereby covenants and agrees that claims for additional compensation or extensions of time because of Offeror's failure to familiarize itself with the Contract Documents or any condition at the Project site that might affect the Work will not be allowed.

E. The Offeror fully understands the intent and purpose of the Contract Documents and the conditions of proposal as set forth herein and in the Request for to Proposals and the Instructions to Offerors.

F. The Offeror fully understands that the project may not be awarded to the General Contractor who offers the lowest priced proposal, but it will be awarded to the General Contractor that is judged to offer the best value in accordance with grading criteria

included herein. The Offeror hereby waives the right to challenge or dispute any decision made by the County with respect to contract award.

G. The Offeror fully understands that prevailing wages are required per Texas Government Code 2258.021.

1.06 ACCEPTANCE

A. This offer shall be open to acceptance for sixty (60) days from the bid closing date.

B. If this proposal is accepted by Owner within the time period stated above, we will:
   1. Execute the Agreement within seven days of receipt of Notice of Award.
   2. A performance bond for the full contract amount is required prior execution of the contract. We will furnish the required bonds within ten days of receipt of acceptance of this bid in the form described in Supplementary Conditions.
   3. Commence work within ten days after written Notice to Proceed of this bid.

1.07 ADDENDA

A. The following Addenda have been received. The modifications to the Proposal Documents noted below have been considered and all costs are included in the Proposal Sum.
   1. Addendum # 1 Dated _____.
   2. Addendum # 2 Dated _____.
   3. Addendum # 3 Dated _____.

ALL INFORMATION BELOW TO BE FILLED IN AND TURNED IN WITH BINDER AND REMAINDER OF SUBMITTAL BEFORE 2 PM, OCTOBER 13TH, 2023 IN A SEALED ENVELOPE.

1.08 CONTRACT TIME

A. If this Proposal is accepted, we will:
   1. Base Bid Completion Date: To be determined pending contract execution date and or Owner's Notice to Proceed. For bidding purposes the contract time can be assumed as 360 calendar days. A good faith effort by the General Contractor for completion of the contract for a shorter duration is expected by the Owner. Liquidated Damages are not required for the project.

1.09 UNIT PRICES

A. Unit Price No. 1 - 6" Water Well Casing Depth
   a. Add____dollars per linear foot for casing depth over 450' deep.
   b. Deduct_____dollars per linear foot for casing depth less than 450' deep.

B. Unit Price No. 2 - 10" Water Well Boring
   a. Add_____dollars per linear foot for 10" well boring over 450' deep.
   b. Deduct_____dollars per linear foot for 10" well boring less than 450' deep.

1.10 CONTRACTOR'S PERSONNEL

A. The Offeror agrees to employ the following individuals for the entire duration of the Work at the positions indicated, and agrees not to remove them from the Work nor replace

them with others except as otherwise allowed in the Contract Documents or approved in writing by Owner:

B. PROJECT MANAGER: _____

C. PROJECT SUPERINTENDENT #1: _____

D. CONTRACT CONTACT: _____

Signature _____ Printed Name/Title _____
Company Name _____ Email Address _____
Telephone _____ Fax Number _____
Company Address_____

_____

1.11 CHANGES TO THE WORK

A. When Architect establishes that the method of valuation for Changes in the Work will be net cost plus a percentage fee in accordance with General Conditions, our percentage fee will be:
   1. In accordance with terms of the agreement as spelled out in the General Conditions.

B. On work deleted or added to the Contract, the change shall be Architect-approved net cost plus 5% for overhead and profit.

1.12 PROPOSAL FORM SUPPLEMENTS

A. The following Supplemental information will be provided along with the base proposal and are considered an integral part of this Proposal Form:
   1. Document 00 4305 - Felony Conviction Notification: Include a listing of felony convictions for the company or any key employees of the company.
   2. Document 00 4306 - Contractor's Qualification Statement with all requested backup material and supplemental information required for the Owner to fully investigate and rank Offerors.
   3. Document 00 4307 - Hold Harmless Agreement.

B. We agree to submit the following Supplemental information on the 00 4100 - Proposal Forms and 00 4336 - Proposed Subcontractors Form within 10 days of notice to proceed and or notice of intent to award.
   1. Document 00 4336 - Proposed Subcontractors form: Include the names of all Subcontractors and the portions of the Work they will perform.
   2. Document 00 4100 - Proposal Form - Unit Prices section paragraph 1.09: Include a listing of unit prices specifically requested by the Contract Documents.

1.13 REPRESENTATIONS: BY EXECUTION AND SUBMISSION OF THIS PROPOSAL, THE OFFEROR HEREBY REPRESENTS AND WARRANTS TO OWNER AS FOLLOWS:

A. The Offeror has prior experience on construction projects of the same or similar type, nature and class as the Work for the Project.

B. The Offeror has read and understands the Proposal Documents and the Contract Documents, and this Proposal is made in accordance with the Proposal Documents.

C. The Offeror has inspected the Project site, is familiar with the local conditions under which the Work is to be performed, and has correlated the Offeror's site observations with the requirements of the Contract Documents.

D. To the fullest extent permitted by applicable law, the Offeror waives any claim it has or may have against the Owner, the Architect/Engineer, and their respective trustees, officers, shareholders, directors, partners, agents, contractors, consultants and employees arising out of or in connection with the administration, evaluation or recommendation of any proposals; waiver of any requirements under the Proposal Documents or the Contract Documents; acceptance or rejection of any proposals; and the award of the Contract.

1.14 PROPOSAL FORM SIGNATURE(S)

A. The Corporate Seal of
(Offeror - print the full name of your firm)
was hereunto affixed in the presence of:

B. _____
(Authorized signing officer, Title)
(Seal)

C. _____
(Authorized signing officer, Title)

END OF SECTION 00 4100

SECTION 012100 - ALLOWANCES

PART 1 - GENERAL

1.1 SUMMARY
- A. Section includes administrative and procedural requirements governing allowances.
- B. Types of allowances include the following:
  1. Lump-sum allowances.

1.2 SELECTION AND PURCHASE
- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. At 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 Architect from the designated supplier.

1.3 ACTION SUBMITTALS
- A. Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.

1.4 INFORMATIONAL SUBMITTALS
- A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 COORDINATION
- A. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.

1.6 LUMP-SUM ALLOWANCES
- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner under allowance shall be included as part of the Contract Sum and not part of the allowance.
- C. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
  1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.

1.7 ADJUSTMENT OF ALLOWANCES
- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
  1. Include installation costs in purchase amount only where indicated as part of the allowance.
  2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other margins claimed.

3. Submit substantiation of a change in scope of work, if any, claimed in Change Orders related to unit-cost allowances.
4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.

B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of work has changed from what could have been foreseen from information in the Contract Documents.
2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 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.

3.3 SCHEDULE OF ALLOWANCES

A. Allowance No. 1: Lump-Sum Allowance: Include the sum of $5,000.00 for provision and installation of modified door hardware revisions and additional technology devices as may be requested by the Owner during the course of the project.
B. Allowance No. 2: Lump-Sum Allowance: Include the sum of $3,000.00 for provision and installation of postal specialties.
C. Allowance No. 3: Lump-Sum Allowance: Include the sum of $3,000 for provision and installation of condensate drain piping to be routed to the location of a planned future rain water harvesting tank.
D. Allowance No. 4: Owner's Contingency Lump-Sum Allowance: Include the sum equal to 5% of the base bid contract value for Owner's Contingency.
1. Refer to bid form for designation of Owner's Contingency. Owner's Contingency is a total of 5% inclusive of Allowances 1,2,3, & 4.
2. General Contractor to confirm during the course of the project with the Owner if any work scope is required for Allowances 1,2, & 3.

END OF SECTION 012100

SECTION 012200 – UNIT PRICES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for unit prices.

B. Related Requirements:

1. Section 012600 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.

1.2 DEFINITIONS

A. Unit price is a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.3 PROCEDURES

A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.

B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.

C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.

D. List of Unit Prices: A schedule of unit prices is included in Part 3.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

A. Unit Price No. 1 – 6" Water Well Casing Depth

1. Cost per additional linear footage of 6" water well casing over 450' depth.
2. Cost per lesser linear footage of 6" water well casing under 450' depth.

B. Unit Price No. 2 - 10" Water Well Boring

1. Cost per additional linear footage of 10" water well boring over 450' depth.
2. Cost per lesser linear footage of 10" water well boring under 450' depth.

END OF SECTION 012200

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

Alternate: 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 Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.

Execute accepted alternates under the same conditions as other work of the Contract.

Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

Alternate No. 1: Landscaping

1. Base Bid: The Base Bid for the project includes the provision and installation of landscaping as indicated in the Landscape drawings.
2. Alternate: For Alternate No. 1, include the amount to be deducted from the base bid for omittance of landscape work. If this alternate is accepted, Kendall County will provide all landscaping to include top soil, mulch, weed barrier, edging, temporary irrigation, and plants. This alternate excludes dry-stack limestone retaining walls, while be provided and installed by the General Contractor.

Alternate No. 2: Video Surveillance System

3. Base Bid: The Base Bid for the project includes the provision and installation of a video surveillance system.
4. Alternate: For Alternate No. 2, include the amount to be deducted from the Base Bid for omittance of all video surveillance system work.

Alternate No. 3: Pole Mounted Site Lighting

5. Base Bid: The Base Bid for the project includes pole mounted site lighting.
6. Alternate: For Alternate No. 3, included the amount to be deducted from the Base Bid for omittance of the pole mounted site lighting and the associated concrete footings, raceways, wiring, and breakers.

Alternate No. 4: Access Control System

7. Base Bid: The Base Bid for the project includes a new access control system per Kendall County Access Control Standards (Avigilon).
8. Alternate: For Alternate No. 4, included the amount to be deducted from the Base Bid for omittance of the Access Control System. Excludes Division 26 work associated with Access System Components as the county may elect to complete the installation under a separate county wide facility contract.

Alternate No. 5: Architectural Canopy Southwest Corner of Building

9. Base Bid: The Base Bid for the project includes a sun shading architectural canopy on the southwest corner of the building.
10. Alternate: For Alternate No. 5, included the amount to be deducted from the Base Bid for omittance of this feature from the project. Canopy, at contractor's option may be constructed of custom fabricated galvanized and painted steel, or a pre-engineered aluminum canopy with finish to match metal wall panels. Indicate proposed construction type with alternate value.

Alternate No. 6: Porch Handrail

11. Base Bid: The Base Bid for the project does not include a steel handrail around the back porch of the building.
12. Alternate: For Alternate No. 6, included the amount to be added to the Base Bid for provision and installation of the handrail as indicated in the Construction Documents.
13. Note: This alternate excludes the handrails at the stairs.

Alternate No. 7: Walk-in Well House

14. Base Bid: The Base Bid for the project includes a small insulated well house approximately 5'x5'x4' with a small 2'x3' access door.
15. Alternate: For Alternate No. 7, included the amount to be added to the Base Bid for provision and installation of an approximate 8'x8'x8'insulated walk-in well house with a full size 3'x6'-8" hollow metal door and frame with storage lockset.
16. Refer to drawing Sheet A2.4 for detailed requirements for base bid design and add alternate.

Alternate No. 8: Irrigation and Rainwater Harvesting Tank

17. Base Bid: The Base Bid for the project includes an 8"x8" rain water harvesting gutter with 6" diameter first flush downspout and pipe outlet along with a buried 2" schedule pvc water line routed from a planned future rain water harvesting tank location to the building mechanical room. The base bid project includes no irrigation and excludes the rain water harvesting tank.
18. Alternate: For Alternate No. 8, included the amount to be added to the Base Bid for provision and installation of a 10,000 gallon rainwater harvesting tank and irrigation system as indicated on drawing sheets L3.0, L3.1, L4.0, and L5.0. Include cost for required electrical circuit to run irrigation controller and pump. Tank to be corrugated galvanized steel to match the require domestic and fire tank, rated for potable use. Tank connections to include make up water inlet from well system, irrigation outlet, level indicator, 2" supply outlet to the building, overflow, and pressure relief vent.

Alternate No. 9: Water Well Installation

19. Base Bid: The Base Bid for the project includes provision and installation of a new water well including the well boring, casing, gravel packing, cement encasement, and submersible pump.

20. Alternate: For Alternate No. 9, include the amount to be deducted from the base bid to omit provision and installation of the new water well, including the well boring, casing, gravel packing, cement encasement, and submersible pump.

END OF SECTION 012300

100% CONSTRUCTION DOCUMENTS

EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
BOERNE, TEXAS 78006

PROJECT MANAGEMENT
AG I CM
85 NE Loop 410 , Suite 600
San Antonio , Texas 78216

CIVIL
BAIN MEDINA BAIN
7073 San Pedro Ave,
San Antonio, TX 78216

ARCHITECT
BEATY PALMER ARCHITECTS
110 Broadway - Suite 600
San Antonio , Texas 78205

TECHNOLOGY/SECURITY
COMBS CONSULTING GROUP
17806 IH-10W - SUITE 300
San Antonio , Texas 78257

STRUCTURAL ENGINEER
AXIS STRUCTURAL
1045 Central Parkway North - Suite 101
San Antonio, TX 78232

MECH. ELEC. PLUMB ENGINEER
CNG ENGINEERING
1917 N. New Braunfels Ave - Suite 201
San Antonio, Texas 78208

LANDSCAPE
C2 LANDGROUP
317 Lexington Avenue - Suite 1
San Antonio, Texas 78215

COMMERICAL KITCHEN
FCA DESIGNS
11200 Broadway - Suite 2362
Pearland , Texas 77584

architect

REGISTERED ARCHITECT TONY W. HAWKINS 20468 STATE OF TEXAS
08.15.23

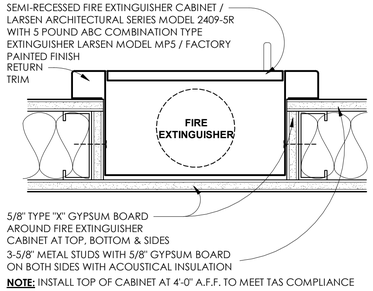
revisions

40 VOSS PARKWAY
BOERNE, TEXAS 78006
project number
22-41
date
08.15.23

Beaty Palmer Architects, Inc.
110 Broadway, Suite 600
San Antonio, Texas 78205
Voice 210.212.8022
Fax 210.212.8018
www.beatypalmer.com

sheet number
A0

BEATY PALMER ARCHITECTS



NOTE: INSTALL TOP OF CABINET AT 4'-0" A.F.F. TO MEET TAS COMPLIANCE

2 SECTION DETAIL

3" = 1'-0" FIRE EXTINGUISHER CAB.

LIFE SAFETY OCCUPANCY COUNTS

B : OCCUPANCY

ROOM #	ROOM NAME	ROOM AREA ±	LOAD FACTOR	OCCUPANCY COUNT
101	ENTRY VESTIBULE	83 SF	15	6
102	HALLWAY	143 SF	150	1
103	TRAINING	516 SF	20	26
104	OFFICE	101 SF	150	1
105	OFFICE	100 SF	150	1
106	HALL 1	152 SF	150	2
107	PVT. R.R W/ SHOWER	53 SF	150	1
108	PUBLIC RESTROOM	52 SF	150	1
109	SEMI PRIVATE OFFICE	143 SF	150	1
110	STORAGE	11 SF	300	1

SUB TOTAL : 41

R-2 : OCCUPANCY

ROOM #	ROOM NAME	ROOM AREA ±	LOAD FACTOR	OCCUPANCY COUNT
111	ELECTRICAL	41 SF	300	1
112	MEETING ROOM	106 SF	15	8
113	DATA	77 SF	300	1
114	MECH.	151 SF	300	1
115	LAUNDRY	85 SF	200	1
116	DAY ROOM	193 SF	15	13
117	KITCHEN / DINING	382 SF	200	2
123	CORRIDOR	473 SF	150	4
124	BATH ROOM	52 SF	200	1
125	HALL 2	77 SF	150	1
126	HALL 3	77 SF	150	1
127	DORM 1	94 SF	50	2
128	DORM 2	103 SF	50	3
129	DORM 3	103 SF	50	3
130	DORM 4	101 SF	50	3
131	BATH ROOM	58 SF	200	1
132	EXERCISE	241 SF	200	2

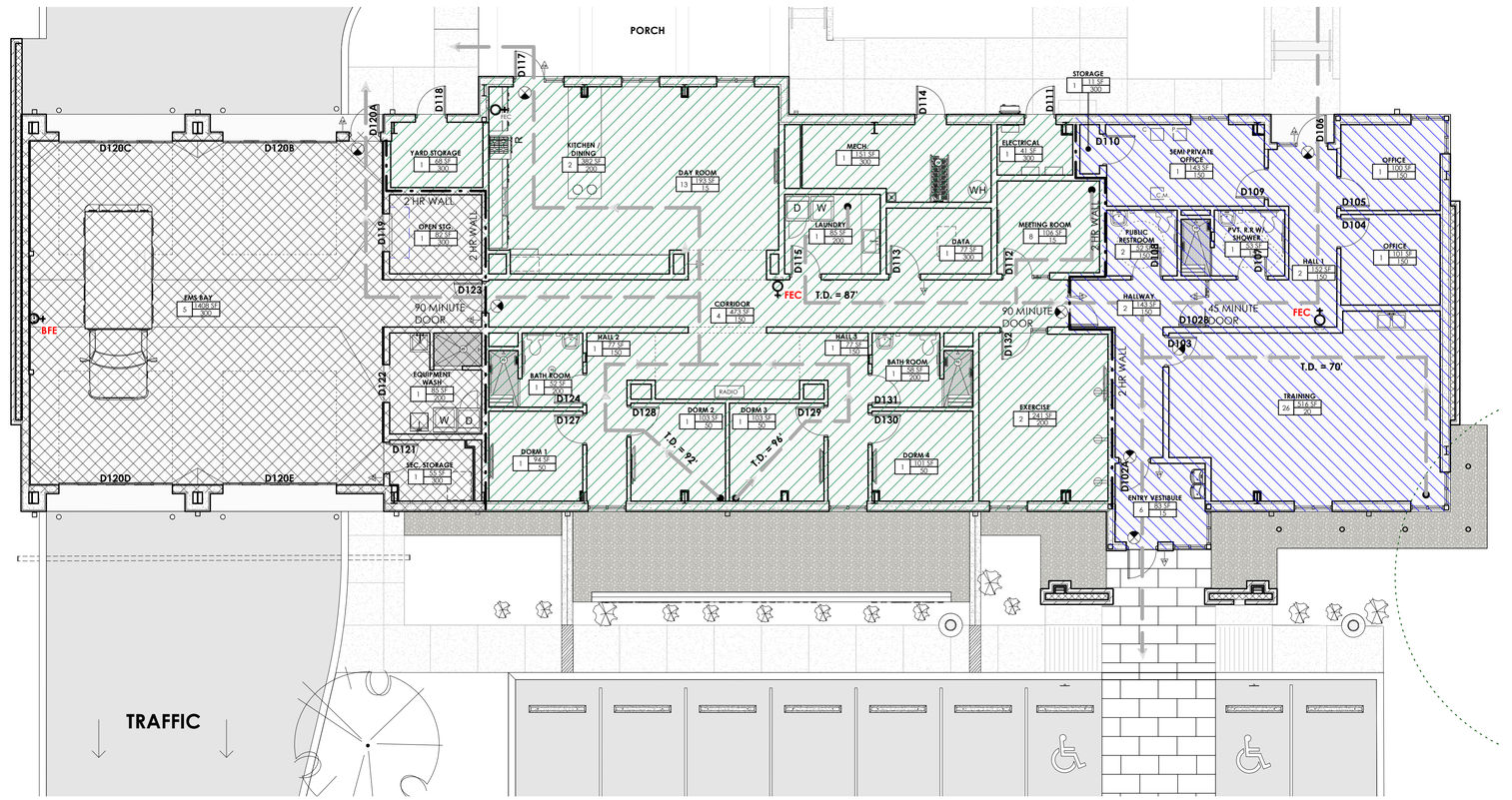
SUB TOTAL : 48

S-2 : OCCUPANCY

ROOM #	ROOM NAME	ROOM AREA ±	LOAD FACTOR	OCCUPANCY COUNT
118	YARD STORAGE	68 SF	300	1
119	OPEN STG.	82 SF	300	1
120	EMS BAY	1408 SF	300	5
121	SEC. STORAGE	55 SF	300	1
122	EQUIPMENT WASH	85 SF	200	1

SUB TOTAL : 9

GRAND TOTAL : 98



PLAN NORTH

1 LIFE SAFETY PLAN

1/8" = 1'-0" OVERALL FLOORPLAN

CODE SUMMARY

PROJECT ADDRESS :
40 VOSS PARKWAY
BOERNE , TEXAS 78006

APPLICABLE CODES:
2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL FUEL GAS CODE
2017 NATIONAL ELECTRIC CODE
2012 TEXAS ACCESSIBILITY STANDARDS (TAS)

OCCUPANCY CLASSIFICATIONS:
TYPE "R2" / TYPE "S2" / TYPE "B"

CONSTRUCTION TYPE :
TYPE II-B

TOTAL BUILDING AREA :
6,580 BUILDING G.S.F.
- 1870 S.F. (EMS VEHICLE BAY "S2" OCCUPANY)
- 2830 S.F. (EMS QUARTERS "R2" OCCUPANCY)
- 1604 S.F. (SHERIFF'S OFFICE "B" OCCUPANCY)

1

PARKING SPACES :
23 TOTAL PARKING SPACES
2 A.D.A

BUILDING HEIGHT :
1 STORY WITH MECH. EQUIPMENT MEZZANINE

S2 OCCUPANCY

R2 OCCUPANCY NFPA 13R FIRE SPRINKLER SYSTEM

B OCCUPANCY

2 HOUR FIRE RATED WALL

LIFE SAFETY LEGEND

FEC — FIRE EXTINGUISHER IN CABINET REFER TO DETAIL 2/A1.1

BFE — BRACKET MOUNTED FIRE EXTINGUISHER

EXIT SIGN

Building Information
Occupancy Classification: Group S-2 / "R2" / Group B Number of Stories: One Story Building : 6,580 sq ft Construction Type: Type IIB Fire Protection: NFPA 13R SYSTEM FOR R2 OCCUPANCY ONLY

IBC 2021 TABLE 1004.5
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	O.L.F.(GROSS)
Accessory storage areas & mechanical equipment rooms	300
Business Areas	150
Assembly Unconcentrated (tables & chairs)	15
Classroom / Training	20
Dormitories	50
Kitchens, Commercial	200
Parking Garages	200

OCCUPANCY LOAD & EGRESS INFORMATION

Total Occupants:	101
Exits Required:	2
Exits Provided:	8
Door width required:	72"
Door width provided:	288"

Maximum Measured Travel Distance
B OCCUPANCY-75' permitted by 2021 IBC without Sprinklers
S1 OCCUPANCY-100' permitted by 2021 IBC without Sprinklers
R2 OCCUPANCY- 125' Permitted by 2021 IBC with Sprinklers

OL = Room Area / OL Factor — Occupant Load Factor (FT² / Person), Net (N) or Gross (G)

PLUMBLING FIXTURE COUNTS

Business Area
Occupant count: 42 = 21 M / 21 W
WC Required: 1 Per 25 (First 50) then 1 per 50
Required Count: 0.84 M / 0.84 W

EMS VEHICLE GARAGE
Occupant Count: 9 = 4.5 M / 4.5 W
WC Required: 1 per 100
Required Count: 0.045 M / 0.045 W + 1 Service Sink

RESIDENTIAL
Occupant Count: 50 = 25 M / 25 W
WC Required: 1 per 10
Required Count: 2.5M / 2.5 W + 1 Service Sink

Fixtures Required: 3.34 M / 3.34 W & 2 Service Sinks
Fixtures Provided: 4 UNISEX TOILETS AND 3 SHOWERS + 2 SERVICE SINKS

100% CONSTRUCTION DOCUMENTS
LIFE SAFETY PLAN

architect

REGISTERED ARCHITECT — COURT W. HAWKINS — 20465 — STATE OF TEXAS

08.15.23

revisions

1 ADDENDUM #01 10.06.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
BOERNE, TEXAS 78006

KENDALL COUNTY

project number
22-41

date
08.15.23

Beaty Palmer Architects, Inc.
110 Broadway, Suite 600
San Antonio, Texas 78205
Voice 210.212.8022
Fax 210.212.8018
www.beatypalmer.com

sheet number

A1.1

BEATY PALMER ARCHITECTS

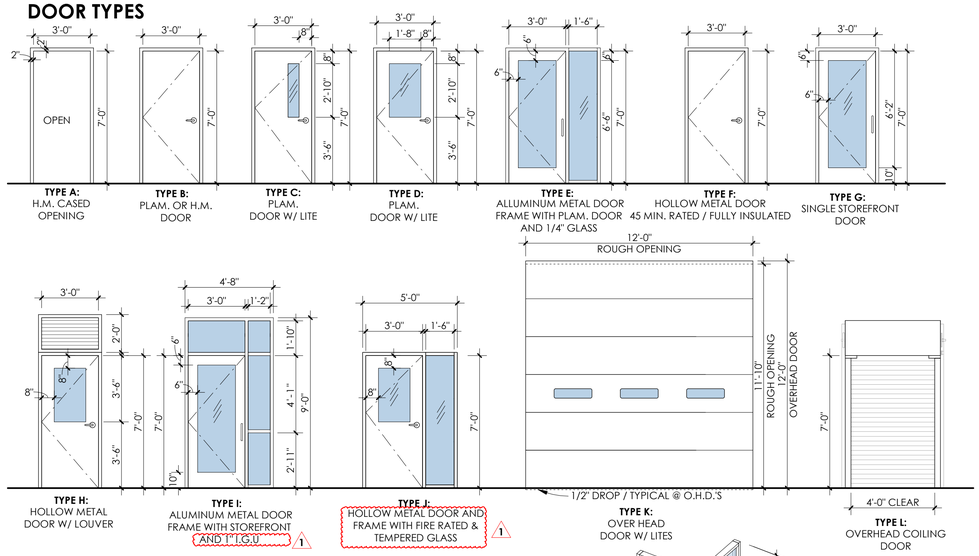
DOOR SCHEDULE

MARK	NOMINAL SIZE	DOOR TYPE	FRAME MATERIAL	DOOR FINISH	FIRE RATING	DOOR HARDWARE #	REMARKS
D101	3'-0" W X 7'-0" H	G	ALUM.	ALUM.	---	C715A	WALL MOUNTED CARD READER
D102A	3'-0" W X 7'-0" H	G	ALUM.	ALUM.	---	C711A	WALL MOUNTED CARD READER
D102B	3'-0" W X 7'-0" H	J	H.M.	H.M.	45 MIN.	C201R	MULLION MOUNTED CARD READER
D102C	3'-0" W X 7'-0" H	J	H.M.	H.M.	90 MIN.	C201R	MULLION MOUNTED CARD READER
D103	3'-0" W X 7'-0" H	G	ALUM.	ALUM.	---	501A	
D104	3'-0" W X 7'-0" H	C	H.M.	PLAM.	---	103	
D105	3'-0" W X 7'-0" H	C	H.M.	PLAM.	---	103	
D106	3'-0" W X 7'-0" H	I	ALUM.	ALUM.	---	C715	MULLION MOUNTED CARD READER
D107	3'-0" W X 7'-0" H	B	H.M.	PLAM.	---	341	
D108	3'-0" W X 7'-0" H	B	H.M.	PLAM.	---	341	OCCUPANCY INDICATOR DEADBOLT - M.H. PER T.A.S.
D109	3'-0" W X 7'-0" H	C	H.M.	PLAM.	---	503	
D110	3'-0" W X 7'-0" H	B	H.M.	PLAM.	---	203	
D111	3'-0" W X 7'-0" H	F	H.M.	H.M.	45 MIN / FULLY INSULATED	715R	
D112	3'-0"W X 7'-0"H	E	ALUM.	PLAM.	---	501	
D113	3'-0" W X 7'-0" H	B	H.M.	PLAM.	---	C201	WALL MOUNTED CARD READER
D114	3'-0" W X 7'-0" H	F	H.M.	H.M.	45 MIN / FULLY INSULATED	205R	FIRE RISER SIGNAGE APPLIED TO EXTERIOR
D115	3'-0" W X 7'-0" H	C	H.M.	PLAM.	---	501	
D117	3'-0" W X 7'-0" H	I	ALUM.	ALUM.	---	C715	MULLION MOUNTED CARD READER
D118	3'-0" W X 7'-0" H	F	H.M.	H.M.	45 MIN / FULLY INSULATED	205R	
D119	4'-0" W X 7'-0" H	L	EXTRUDED ALUMINUM : MILL FINISH	OVERHEAD COILING METAL	---	001	MANUAL OPERATOR
D120A	3'-0" W X 7'-0" H	H	H.M.	H.M.	---	715	
D120B	12'-0" W X 12'-0" H	K	---	WHITE FACTORY FINISH	INSULATED	BY DOOR MFR.	INCLUDE VINYL GRAPHICS / REFER TO SIGNAGE DETAILS
D120C	12'-0" W X 12'-0" H	K	---	WHITE FACTORY FINISH	INSULATED	BY DOOR MFR.	INCLUDE VINYL GRAPHICS / REFER TO SIGNAGE DETAILS
D120D	12'-0" W X 12'-0" H	K	---	WHITE FACTORY FINISH	INSULATED	BY DOOR MFR.	INCLUDE VINYL GRAPHICS / REFER TO SIGNAGE DETAILS
D120E	12'-0" W X 12'-0" H	K	---	WHITE FACTORY FINISH	INSULATED	BY DOOR MFR.	INCLUDE VINYL GRAPHICS / REFER TO SIGNAGE DETAILS
D121	3'-0" W X 7'-0" H	B	H.M.	H.M.	---	C201	WALL MOUNTED CARD READER
D122	3'-0" W X 7'-0" H CASED OPENING	A	H.M.	---	---	---	
D123	3'-0" X 7'-0" H	D	H.M.	PLAM.	90 MIN / FULLY INSULATED	C711R	WALL MOUNTED CARD READER
D124	3'-0" W X 7'-0" H	B	H.M.	PLAM.	---	341	OCCUPANCY INDICATOR DEADBOLT - M.H. PER T.A.S.
D127	3'-0" W X 7'-0" H	B	H.M.	PLAM.	---	103	
D128	3'-0" W X 7'-0" H	B	H.M.	PLAM.	---	103	
D129	3'-0" W X 7'-0" H	B	H.M.	PLAM.	---	103	
D130	3'-0" W X 7'-0" H	B	H.M.	PLAM.	---	103	
D131	3'-0" W X 7'-0" H	B	H.M.	PLAM.	---	341	OCCUPANCY INDICATOR DEADBOLT - M.H. PER T.A.S.
D132	3'-0" W X 7'-0" H	E	ALUM.	PLAM.	---	407	
D133	3'-0" W X 7'-0" H	F	H.M.	H.M.	---	201	
GRAND TOTAL: 36							

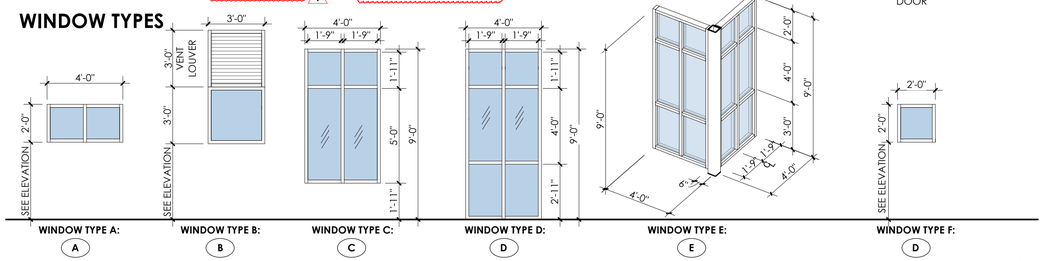
***DOOR HARDWARE NOTE:**
PROVIDE APPROPRIATE HARDWARE FOR STOREFRONT DOOR WITH KEYING / COORDINATE EXACT FUNCTION REQUIREMENTS WITH OWNER / END USER / PROVIDE WALL STOPS AT ALL DOORS

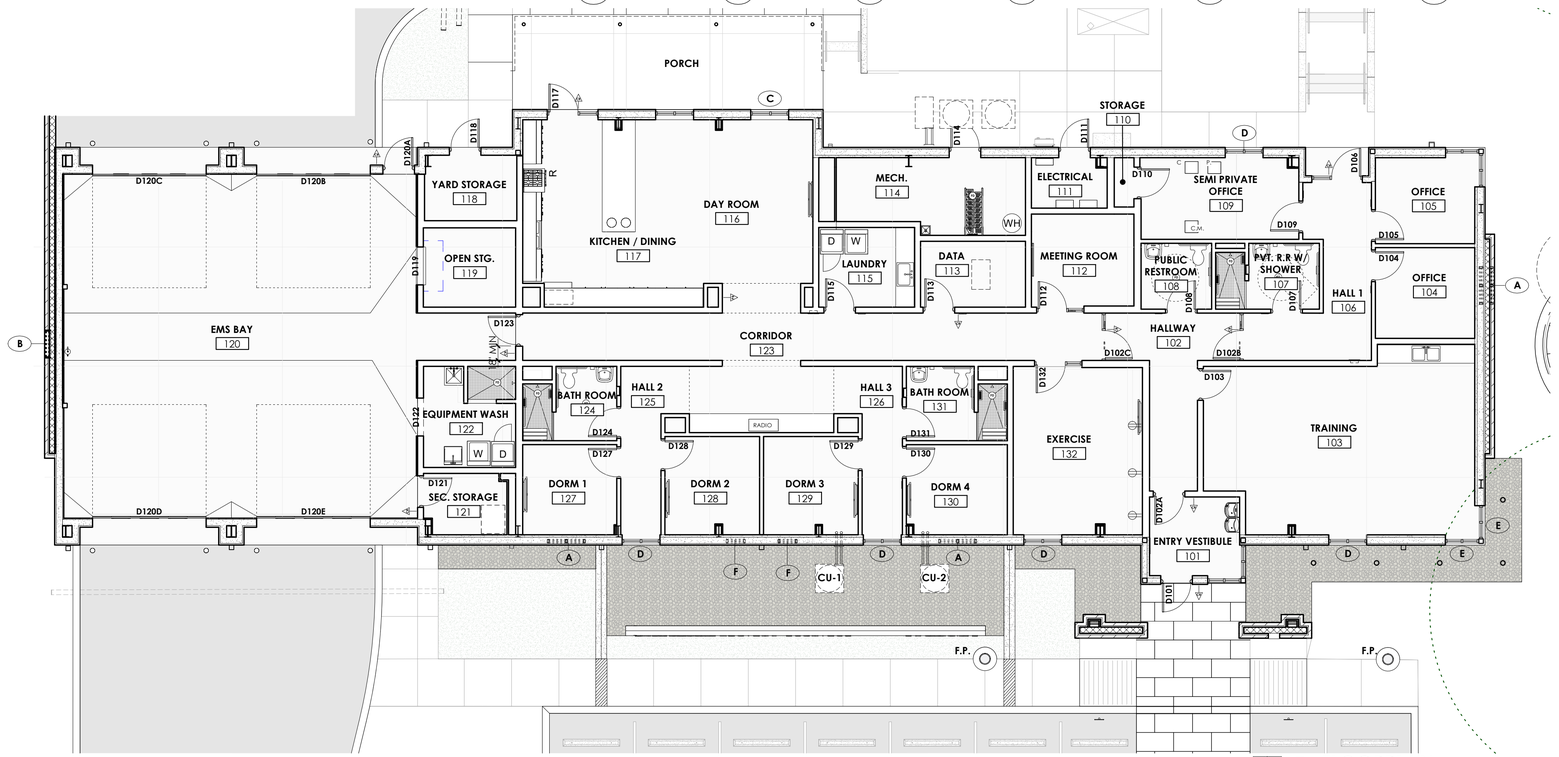
*** NOTE :** ALL HOLLOW METAL DOORS AND FRAMES TO BE FIELD PAINTED

DOOR TYPES



WINDOW TYPES





1 FLOORPLAN
1/8" = 1'-0" DOOR AND WINDOW PLAN

PLAN NORTH

100% CONSTRUCTION DOCUMENTS
DOOR & WINDOW SCHEDULES

architect

revisions
1 ADDENDUM #01 10.06.23

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BEATY PALMER ARCHITECTS

EXTERIOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL SHADE CANOPY

ES EXPOSED STEEL / DARK GRAY

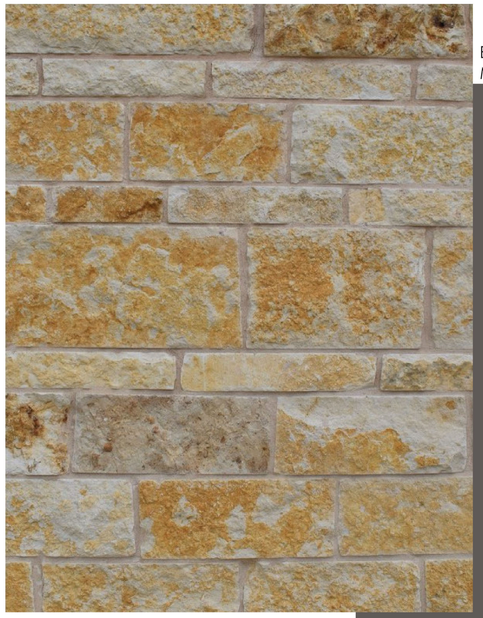
SUSPENDED CEILINGS

ACT / ARMSTRONG / FINE FISSURED / 24" X 24"

FIELD WALL & CEILING PAINT

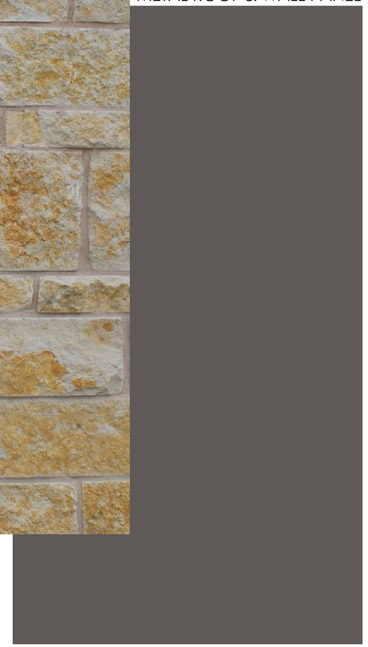
P-1 / PPG / WILLOW SPRINGS / PPG1007-01

EXTERIOR STONE MASONRY VENEER



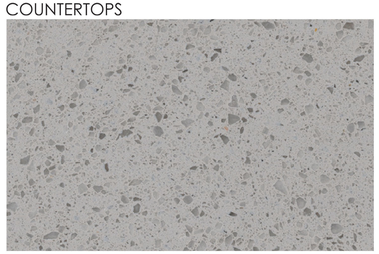
WS WALL STONE / NICOTINE 12" COURSES

EXTERIOR STANDING SEEM METAL ROOF & WALL PANEL



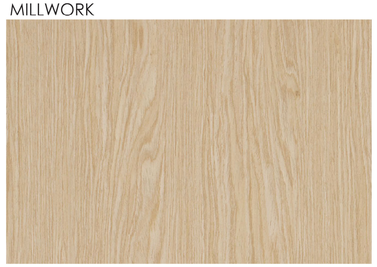
MP METAL PANEL / CHARCOAL GRAY

COUNTERTOPS



QZ / VIATERA / PEBBLE GRAY

MILLWORK



WV / WOOD VENEER / TREE FROG / WHITE OAK / 60213

RUBBER GYM FLOORING

RF / RUBBER FLOORING / RED BARN CLASSIC / 4' x 8' x 3/4"

EXPOSED CEILINGS & P.E.M.B

P-3/ PPG/ADMIRALTY/ PPG1042-7

HM DOORS & FRAMES

P-2 / PPG / SLATE MINE / PPG0996-6

WALL BASE

RB / ROPPE / DARK GRAY

SHOWER FLOOR TILE

FTS / MILESTONE / TYCOON / "SMOKE" / MOSAIC

EXTERIOR ALUMINUM STOREFRONT WINDOWS AND DOORS

ASF ALUMINUM STORE FRONT / DARK BRONZE

CONCRETE STAIN

STC / SCOFIELD / FORMULA ONE - LIQUID DYE CONCENTRATE / 3055 STORM CLOUD

PORCELAIN WALL TILE

WT / MILESTONE / TYCOON / "SMOKE" / 12" x 24"

100% CONSTRUCTION DOCUMENTS
FINISH BOARD

architect **revisions**

REGISTERED ARCHITECT CORY W. HAWKINS 20466 STATE OF TEXAS

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BEATY PALMER ARCHITECTS

ROOM FINISH SCHEDULE

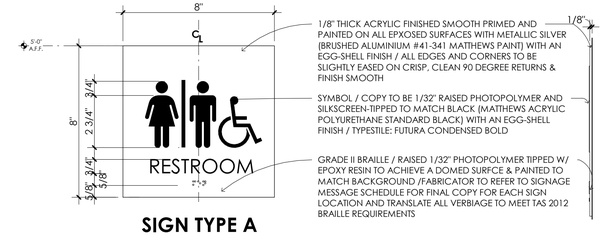
MARK	ROOM NAME	FLOOR	BASE	CEILING	WALL FINISH NORTH	WALL FINISH SOUTH	WALL FINISH EAST	WALL FINISH WEST
101	ENTRY VESTIBULE	STC	RB	GYP	P-1	P-1	P-1	P-1
102	HALLWAY	STC	RB	ACT	P-1	P-1	P-1	P-1
103	TRAINING	STC	RB	EXP	P-1	P-1	P-1	P-1
104	OFFICE	STC	RB	ACT	P-1	P-1	P-1	P-1
105	OFFICE	STC	RB	ACT	P-1	P-1	P-1	P-1
106	HALL 1	STC	RB	ACT	P-1	P-1	P-1	P-1
107	PVT. R.R W/ SHOWER	STC, FTS	--	GYP	WT	P-1, WT	P-1, WT	WT
108	PUBLIC RESTROOM	STC	--	GYP	P-1, WT	P-1, WT	P-1, WT	P-1, WT
109	SEMI PRIVATE OFFICE	STC	RB	ACT	P-1	P-1	P-1	P-1
110	STORAGE	STC	RB	GYP	P-1	P-1	P-1	P-1
111	ELECTRICAL	SC	--	EX	PLY-1 / P-1	PLY-1 / P-1	P-1	PLY-1 / P-1
112	MEETING ROOM	STC	RB	ACT	P-1	P-1	P-1	P-1
113	DATA	STC	RB	EX	PLY-1	PLY-1	PLY-1	PLY-1
114	MECH.	SC	--	OPEN	PLY-1 / P-1	PLY-1 / P-1	P-1	PLY-1 / P-1
115	LAUNDRY	STC	RB	ACT	WT	WT	WT	WT
116	DAY ROOM	STC	WD	EXP	P-1	P-1	P-1	P-1
117	KITCHEN / DINING	STC	WD	EXP	P-1	P-1	P-1	P-1
118	YARD STORAGE	SC	RB	EX	P-1	P-1	P-1	P-1
119	OPEN STG.	SC	RB	GYP	P-1	P-1	P-1	P-1
120	EMS BAY	SC	RB	EXP	MP / P-1	MP / P-1	MP / P-1	MP / P-1
121	SEC. STORAGE	SC	RB	GYP	P-1	P-1	P-1	P-1
122	EQUIPMENT WASH	SC, FTS	--	GYP	WT	WT	WT	WT
123	CORRIDOR	STC	WD	ACT, GYP	P-1	P-1	P-1	P-1
124	BATH ROOM	STC, FTS	--	GYP	WT	P-1, WT	P-1, WT	WT
125	HALL 2	STC	WD	ACT	P-1	P-1	P-1	P-1
126	HALL 3	STC	WD	ACT	P-1	P-1	P-1	P-1
127	DORM 1	STC	RB	ACT	P-1	P-1	P-1	P-1
128	DORM 2	STC	RB	ACT	P-1	P-1	P-1	P-1
129	DORM 3	STC	RB	ACT	P-1	P-1	P-1	P-1
130	DORM 4	STC	RB	ACT	P-1	P-1	P-1	P-1
131	BATH ROOM	STC, FTS	--	GYP	P-1, WT	WT	P-1, WT	WT
132	EXERCISE	RF	RB	ACT	P-1	P-1	P-1	P-1

COLOR LEGEND

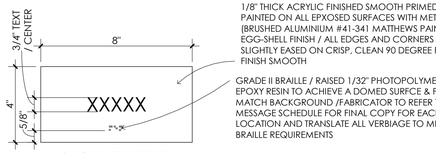
MARK	TYPE	MANUF. / PATTERN / SIZE / COLOR
FLOOR		
STC	STAINED & POLISHED CONCRETE	SCOFIELD / FORMULA ONE LIQUID DYE CONCENTRATE / 3055 STORM CLOUD
SC	SEALED CONCRETE	SCOFIELD / SELECTSEAL PLUS WITH INTERIOR CONCRETE SEALER
FTS	FLOOR TILE (SHOWER FLOOR)	BPI/ MILESTONE - TYCOON / SMOKE / 2" x 2" MOSAIC
RF	RUBBER FLOORING	NORTHWEST RUBBER / REDBARN CLASSIC / BLACK / 4' X 8' X 3/4" OR EQUAL
BASE		
RB	RUBBER	ROPPE / DARK GRAY 150 / 4" WITH COVE
WB	PAINTED WOOD BASE	1" X 6" WOOD / PAINTED TO MATCH P-1
CEILING		
GYP	PAINTED GYPSUM BOARD	PAINT P-1 AS LISTED BELOW
ACT	ACOUSTIC CEILING TILE	ARMSTRONG / FINE-FISSURED / 24"X24" / WHITE
EX	EXPOSED CEILING	NO FINISH
EXP	EXPOSED CEILING PAINTED	PAINT TO MATCH P-3
WALL		
P-1	FIELD WALL PAINT	PPG / WILLOW SPRINGS / PPG1007-01
P-2	HM DOORS & FRAMES	PPG / SLATE MINE / PPG0996-6
P-3	ACCENT WALL & CEILING PAINT`	PPG / ADMIRALTY / PPG1042-7
WT	WALL TILE	BPI/ MILESTONE - TYCOON / SMOKE / 12" X 24"
PLY-1	F. R. TREATED PLYWOOD(0 - 8'-0" A.F.F.)	SHERWIN WILLIAMS / SATIN / PAINT TO MATCH FIELD WALL COLOR
MP	R-PANEL (0 - 8'-0" A.F.F.)	PREFINISHED METAL R PANEL / GAUGE 26 / COLOR AS SELECTED BY OWNER
MISC.		
QZ	QUARTZ COUNTERS	LX HAUSYS / VIATERA / PEBBLE GRAY
WV	WOOD VENEER	TREE FROG / WHITE OAK 60213
EFT	SHOWER/WET FLOOR THRESHOLD	DALTILE WINDOW SILLS & THRESHOLD DOUBLE BEVEL 2" AND OR 4" WIDTH / ABSOLUTE BLACK GRANITE G771

FLOOR / WALL TRANSITIONS

CONDITION	TRANSITION - MANUFACTURER / MODEL / FINISH
TILE TO CONCRETE	SCHLUTER SYSTEMS / "RENO-U" / (AE)SATIN ANODIZED ALUMN.
WALL TILE WAINSCOT EDGE	SCHLUTER SYSTEMS / "JOLLY" / (AE)SATIN ANODIZED ALUMN.
WALL TILE EXPOSED EDGES	SCHLUTER SYSTEMS / "JOLLY" & OR QUADEC / (AE)SATIN ANODIZED ALUMN.
TILE PERIMETER JOINTS & CHANGES OF PLANE (INSIDE & OUTSIDE CORNERS)	USE FLEXIBLE SILICONE SEALANT IN THESE LOCATIONS PER TCNA METHOD EJ-171 GUIDELINES.



SIGN TYPE A



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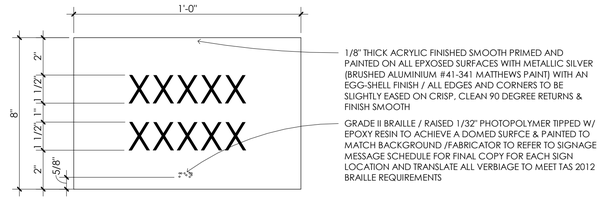

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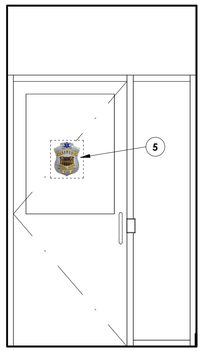
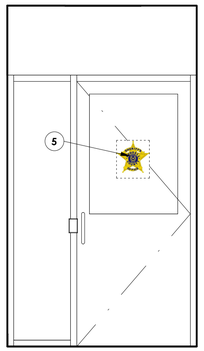
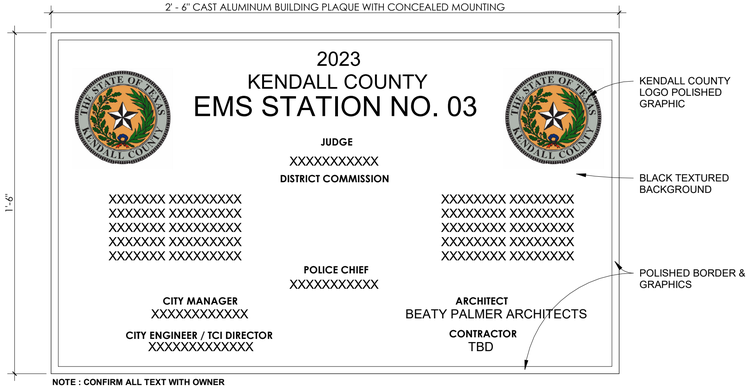


6 ELEVATION DETAIL
1/2" = 1'-0" EMS ENTRY

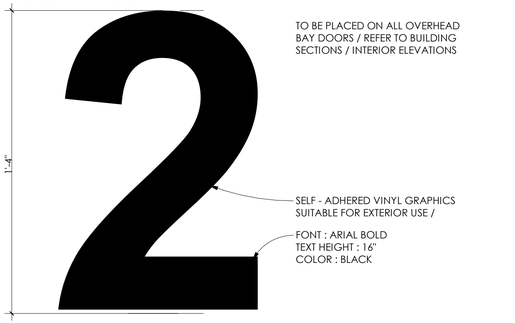


5 ELEVATION DETAIL
1/2" = 1'-0" SHERRIFF ENTRY



NOTE : CONFIRM ALL TEXT WITH OWNER

4 SIGNAGE TYPE E
3" = 1'-0" BUILDING PLAQUE SIGNAGE



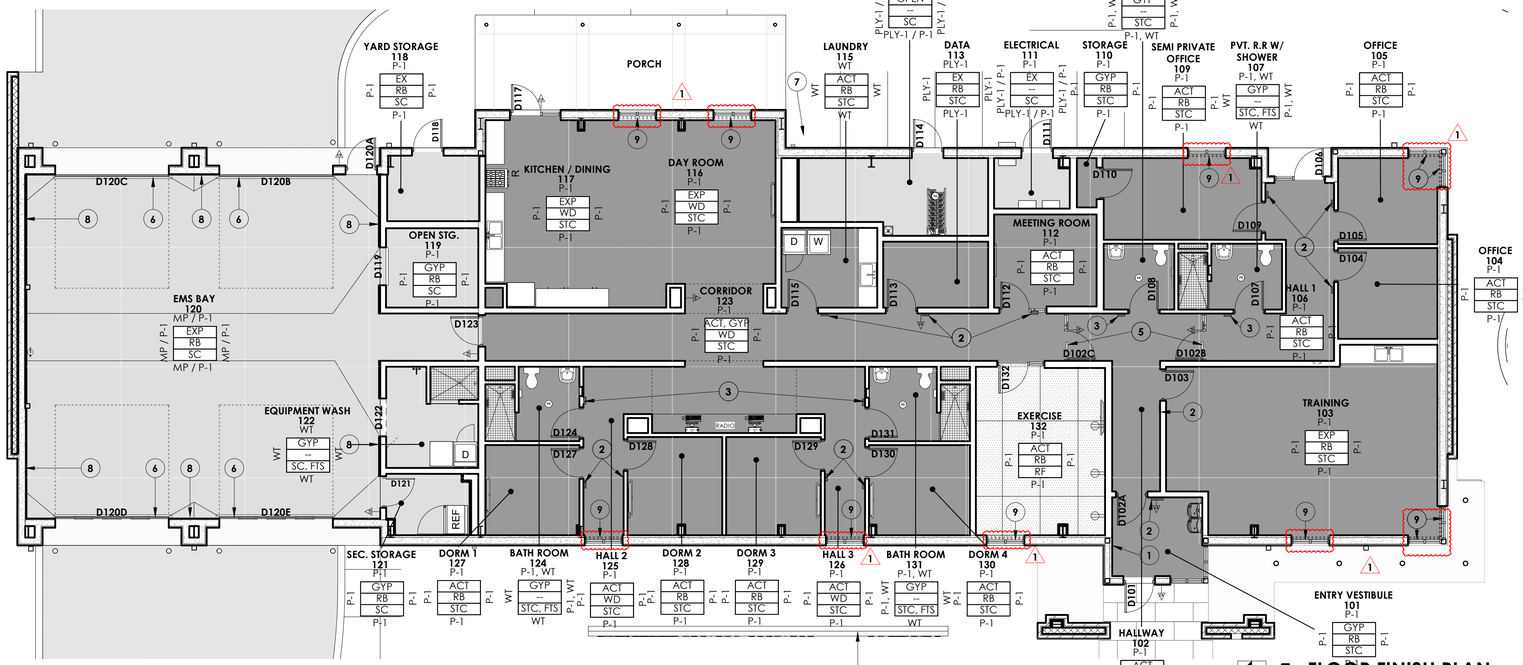
NOTE : INSTALL SIGNAGE ON THE INTERIOR OF EACH BAY DOOR

3 SIGNAGE TYPE D
3" = 1'-0" OVERHEAD DOOR GRAPHICS

2 VINYL GRAPHIC
1" = 1'-0" FIRE RISER ROOM

FLOOR FINISH

FTS RF SC STC



1 FLOOR FINISH PLAN
1/8" = 1'-0"

KEYNOTES

1 SIGNAGE TYPE E / BUILDING PLAQUE SIGNAGE

2 SIGNAGE TYPE B & OR C / ROOM ID SIGN

3 SIGNAGE TYPE A / RESTROOM ID SIGN

4 MONUMENT SIGN GRAPHICS / REFER TO SITE DETAILS SHEET

5 KENDALL COUNTY LOGO / VINYL GRAPHICS APPLIED TO FACE OF DOOR / MATCH PREVIOUS INSTALL FROM OTHER FACILITIES

6 SIGNAGE TYPE D / VINYL APPLIED GRAPHICS LOCATED IN EMS GARAGE

7 FIRE RISER GRAPHIC / APPLIED TO EXTERIOR FACE OF DOOR D114

8 R-PANEL 8'-0" A.F.F. TYPICAL IN BAYS.

9 WINDOW ROLLER SHADES AS SPECIFIED / REFER TO SPECS FOR ADDITIONAL INFOMATION / CONFIRMED DESIRED LOCATION WITH OWNER / ARCHITECT

100% CONSTRUCTION DOCUMENTS
ROOM FINISH & SIGNAGE

architect

revisions

1 ADDENDUM #01 10.06.23

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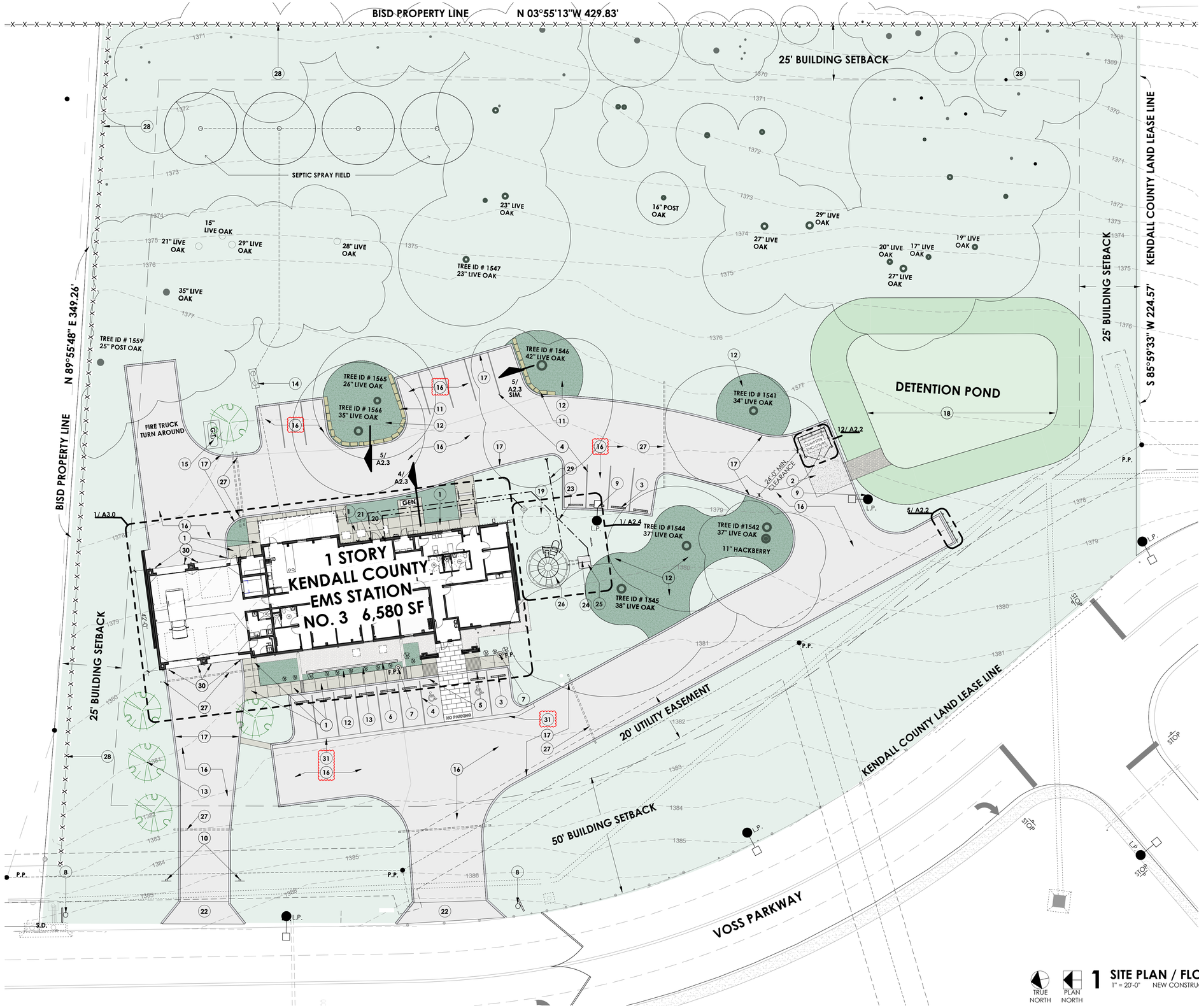
BEATY PALMER ARCHITECTS



KEYNOTES

1. 5" THICK REINFORCED CONCRETE SIDEWALK WITH LIGHT BROOM FINISH AND #3 REBAR AT 18" O.C.E.W.
2. 8" THICK REINFORCED CONCRETE DUMPSTER PAD WITH LIGHT BROOM FINISH AND #4 REBAR AT 12" O.C.E.W.
3. REINFORCED PRECAST CONCRETE WHEEL STOP SECURED WITH (2) 24" LONG #4 REBAR
4. WHITE PAVEMENT MARKING
5. ACCESSIBLE PARKING SIGN
6. EMS STATION MONUMENT SIGN / REFER TO DETAILS
7. SOLAR POWERED AND ILLUMINATED GROUND SET FLAGPOLE / REFER TO DETAIL 2/A2.2
8. SOLAR POWERED TRAFFIC WARNING SIGN WITH WIRELESS OPERATION / REFER TO DETAIL 12/A2.2 AND MEP DRAWINGS FOR INTERIOR BUILDING CONTROL PROVISIONS / CONFIRM EXACT LOCATION WITH OWNER AND ARCHITECT IN FIELD / CONFIRM MAXIMUM TRANSMITTER RANGE PRIOR TO LOCATING
9. POLE MOUNTED SITE LIGHTING / REFER TO DETAILS AND SCHEDULE OF ALTERNATES
10. "ONE WAY – EMERGENCY VEHICLES ONLY" SIGNAGE / REFER TO DETAILS
11. DRYSTACK LIMESTONE RETAINING WALL / TREE WELL / REFER TO DETAILS
12. LANDSCAPE AREA / REFER TO LANDSCAPE DRAWINGS
13. NEW LANDSCAPE PLANTING / REFER TO LANDSCAPE DRAWINGS / TYPICAL
14. SEPTIC TANK / SYSTEM BY PERFORMANCE SPECIFICATION – DESIGNED AND ENGINEERED BY THE GENERAL CONTRACTOR / REFER TO MEP AND CIVIL DRAWINGS
15. PROPANE TANK / INSTALL ON 6" THICK REINFORCED CONCRETE PAD WITH #3 AT 12" O.C.E.W. / REFER TO MEP
16. ASPHALT PAVING / REFER TO CIVIL
17. REINFORCED CONCRETE CURB / REFER TO CIVIL
18. DETENTION POND / REFER TO CIVIL
19. FUTURE RAIN WATER HARVESTING TANK
20. WELL PRESSURE TANK INSIDE BUILDING AND CIRCUIT
21. FIRE PUMP / PRESSURE TANK / FIRE PUMP CIRCUIT
22. REINFORCED CONCRETE DRIVEWAY / REFER TO CIVIL
23. 2" PVC WATER LINE TO BUILDING / REFER TO CIVIL
24. WATER WELL ELECTRICAL EQUIPMENT AND RACK / REFER TO ELECTRICAL
25. WATER WELL INSTALLATION BY G.C TO COMPLY WITH COW CREEK WATER WELL REQUIREMENTS
26. 19,445 GALLON CORRUGATED STEEL TANK /FOR POTABLE WATER USE SCT-1504-LVR BY NATIONAL STORAGE TANK OR EQUAL / REFER TO STRUCTURAL FOR RING
27. PIPE SLEEVE / REFER TO CIVIL UTILITY PLAN
28. EXISTING FENCING TO REMAIN ON NORTH AND WEST PROPERTY LINES
29. 4" PVC WATER LINE TO FDC / REFER TO CIVIL
30. STEEL BOLLARD / HOT DIPPED GALVANIZED / REFER TO DETAIL 9 A2.2
31. REINFORCED CONCRETE SWALE / REFER TO CIVIL

GENERAL NOTES

A. COORDINATE EXTENTS OF SITE WORK AREA, PLACEMENT OF SECURITY FENCING, SITE PROTECTION MEASURES, ACCESS ROUTES, STORAGE AREAS, AND EMPLOYEE PARKING AREAS WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF AND WORK ACTIVITIES.

B. CONTINUOUSLY COORDINATE WITH THE OWNER'S REPRESENTATIVE AND BISD DURING THE COURSE OF CONSTRUCTION TO MINIMIZE INCONVENIENCE TO THE OWNER, BISD, AND THE GENERAL PUBLIC.

C. PROVIDE A SECURE JOB SITE AT ALL TIMES WITH PROVISION OF A 6' HIGH TEMPORARY CHAIN LINK FENCE ON THE SOUTH AND WEST SIDES OF THE PROJECT SITE.

D. THIS SITE INCLUDES EXISTING UTILITY INFRASTRUCTURE FOR VOSS MIDDLE SCHOOL INCLUDING, BUT NOT LIMITED TO ELECTRICAL PRIMARY SERVICES, WATER LINES, STORM DRAINAGE INFRASTRUCTURE, AND EXISTING STREET LIGHTING. CONTRACTOR REQUIRED TO LOCATE ALL UTILITIES WITHIN THE WORK AREA AND SHALL PROTECT SUCH SERVICES PRIOR TO THE START OF CONSTRUCTION.

E. WORK AREA CONTAINS HERITAGE LIVE OAK TREES. PROVIDE TREE PROTECTION MEASURES AS DETAILED ON THE LANDSCAPE PLANS FOR ALL TREES ADJOINING CONSTRUCTION WORK AREAS. TREE PROTECTION INCLUDES, BUT IS NOT LIMITED TO TREE PROTECTION FENCING, WOOD MULCH PLACEMENT, 2X WOOD SLAT TREE PROTECTION, AND OR TEMPORARY WATERING. MULCH AND TREE PROTECTION FENCING ARE MINIMUM REQUIREMENTS FOR TREE PROTECTION / PROVIDE WATERING AS DIRECTED BY OWNER DURING EXTREME CONDITIONS TO INCLUDE EXCESSIVE HEAT OVER 96°F FOR 14 CONSECUTIVE DAYS.

F. DEMOLITION DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF DEMOLITION WORK REQUIRED ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND EXTENT OF WORK REQUIRED PRIOR TO BIDDING. OWNER AND ARCHITECT RESERVE THE RIGHT TO MAKE MINOR DEMOLITION ADJUSTMENTS BASED ON OBSERVED FIELD CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.

G. PATCH AND REPAIR EXISTING CONSTRUCTION TO REMAIN WHERE IT ADJOINS DEMOLITION WORK.

H. VERIFY WITH OWNER IF ANY DEMOLISHED ITEMS ARE TO RETAINED BY THE OWNER. STORE ITEMS DESIRED TO BE RETAINED BY THE OWNER IN LOCATIONS AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ANY ITEMS NOT DESIRED TO BE RETAINED BY THE OWNER BECOME THE PROPERTY OF THE CONTRACTOR AND ARE TO BE REMOVED FROM THE PROJECT SITE.

I. GRADING INFORMATION SHOWN ON THE PLANS IS BASED ON FIELD SURVEYS PROVIDED BY PFEIFFER LAND SURVEYING 2022 AND 2023 / OFFICE # 210.837.5052. CONTRACTOR SHALL FIELD VERIFY ACTUAL EXISTING CONDITIONS AND SHALL NOTIFY THE OWNER AND ARCHITECT OF ANY SIGNIFICANT VARIANCE IN EXISTING CONDITIONS FROM THOSE INDICATED IN THESE DOCUMENTS.

J. CONTRACTOR REQUIRED TO ENGAGE A REGISTERED PROFESSIONAL LAND SURVEYOR TO ASSIST IN CONSTRUCTION LAYOUT DURING THE COURSE OF THE PROJECT AND SHALL STAKE MAJOR SITE IMPROVEMENTS TO INCLUDE BUILDING FOOTPRINT AND PAVED AREAS FOR OWNER AND ARCHITECT REVIEW PRIOR PLACEMENT OF ANY CONCRETE FORMWORK.

K. ALL TREE TRIMMING WORK TO BE PERFORMED BY KENDALL COUNTY. INFORM THE OWNER WHERE TREE TRIMMING IS REQUIRED UPON FIELD STAKING OF SITE IMPROVEMENTS. COUNTY AND B.I.S.D. APPROVAL REQUIRED ON ANY TREE REMOVAL OR TRIMMING. COORDINATE WITH OWNERS DESIGNATED REPRESENTATIVE.

L. REFER TO CIVIL AND MEP DRAWING FOR NEW UTILITY ROUTE AND REQUIREMENTS.

100% CONSTRUCTION DOCUMENTS
SITE - NEW CONSTRUCTION

architect

GARY W. HAWKINS 20466 REGISTERED ARCHITECT STATE OF TEXAS
08.15.23

revisions

1 ADDENDUM #01 10.06.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
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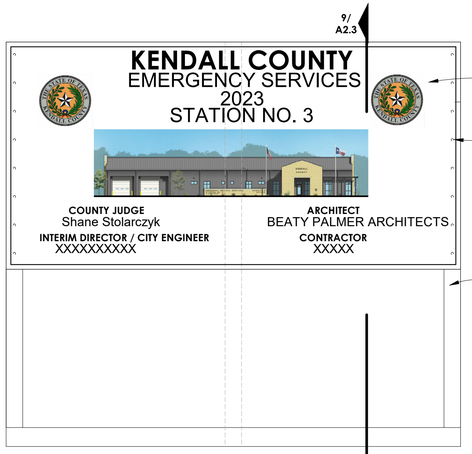
sheet number
A2.1

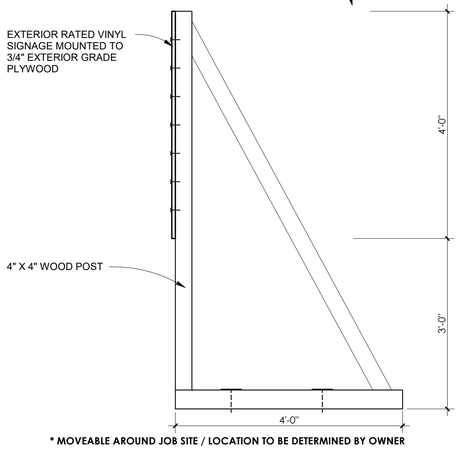
BEATY PALMER ARCHITECTS

TRUE NORTH / PLAN NORTH

1 SITE PLAN / FLOOR PLAN
1" = 20'-0" NEW CONSTRUCTION

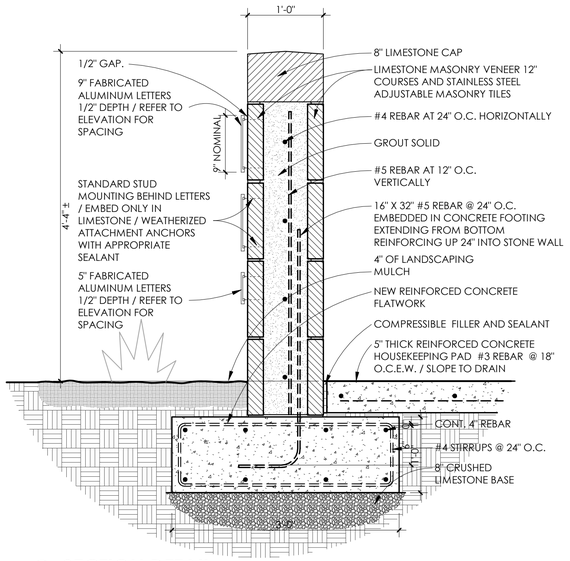


13 ELEVATION DETAIL
3/4" = 1'-0" TEMPORARY CONSTRUCTION SIGN

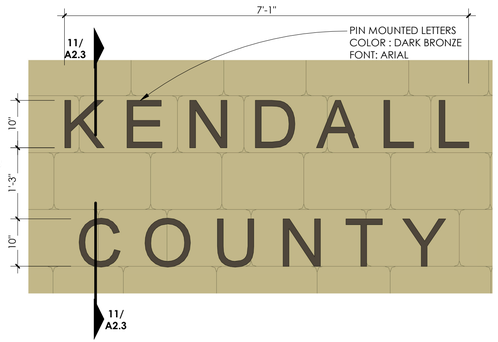


* MOVEABLE AROUND JOB SITE / LOCATION TO BE DETERMINED BY OWNER

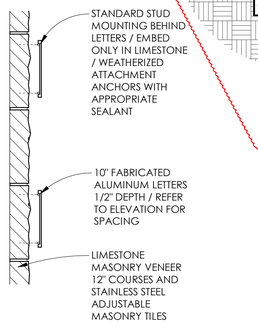
9 ELEVATION DETAIL
3/4" = 1'-0" TEMPORARY CONSTRUCTION SIGN



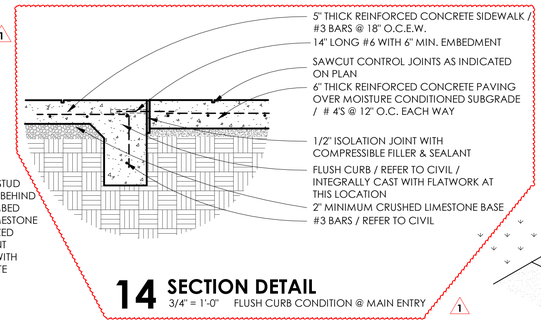
2 SECTION DETAIL
1" = 1'-0" MONUMENT SIGN SECTION



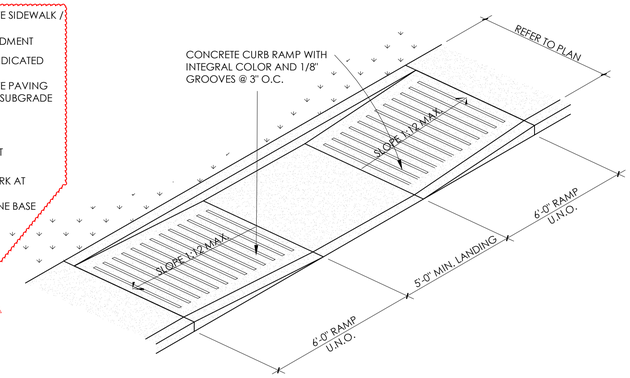
12 PARTIAL ELEVATION
3/4" = 1'-0" SIGNAGE AT ENTRY



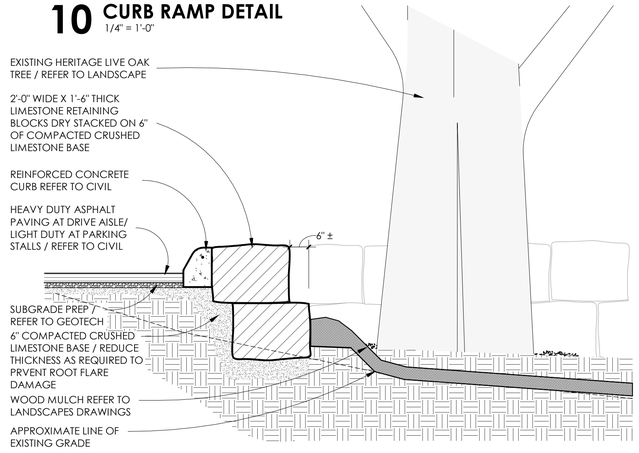
11 SECTION DETAIL
1" = 1'-0" FRONT ENTRY SIGNAGE



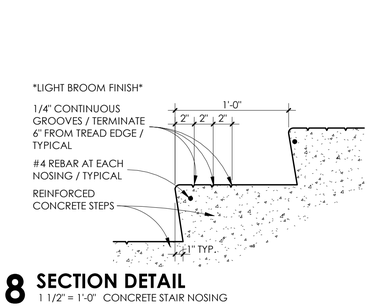
14 SECTION DETAIL
3/4" = 1'-0" FLUSH CURB CONDITION @ MAIN ENTRY



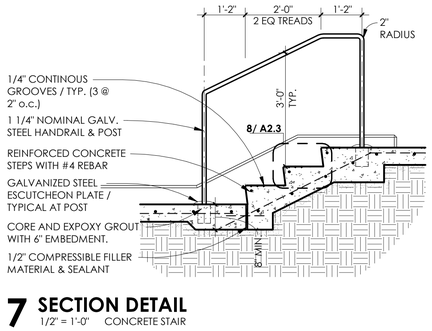
10 CURB RAMP DETAIL
1/4" = 1'-0"



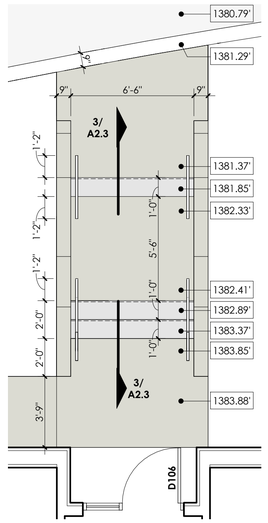
5 SECTION DETAIL
1/2" = 1'-0" LIMESTONE RETAINING/ TREE WELL



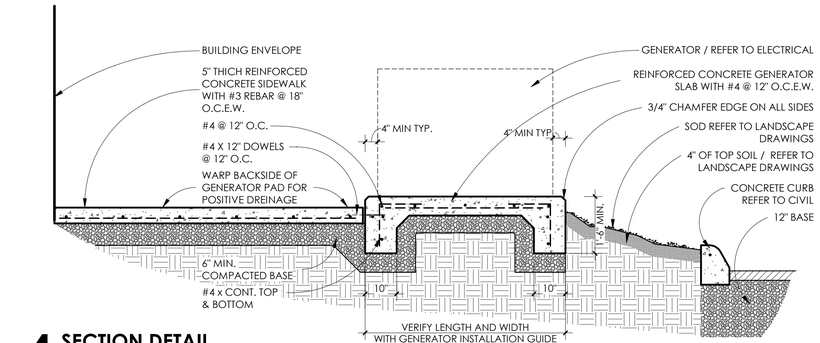
8 SECTION DETAIL
1 1/2" = 1'-0" CONCRETE STAIR NOSING



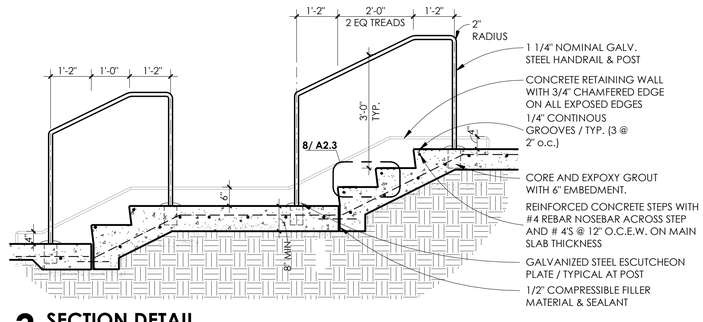
7 SECTION DETAIL
1/2" = 1'-0" CONCRETE STAIR



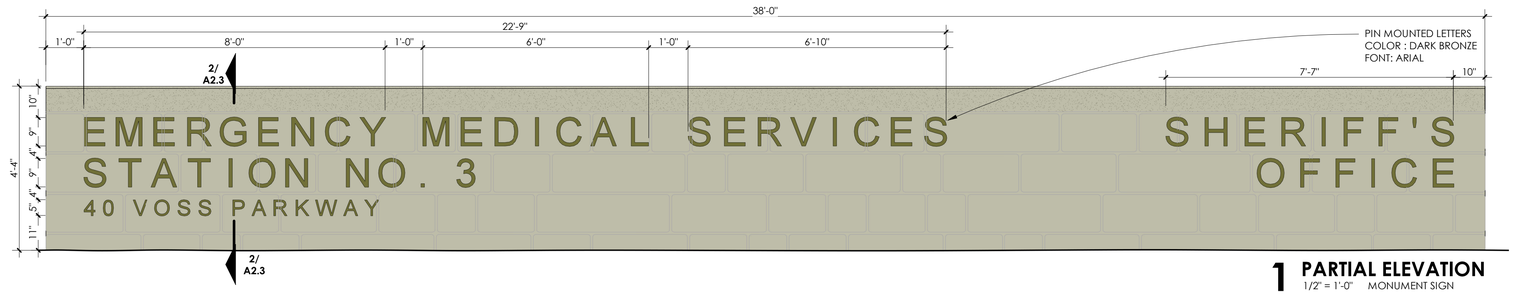
6 STAIR PLAN DETAIL
1/4" = 1'-0" NEW CONSTRUCTION



4 SECTION DETAIL
1/2" = 1'-0" GENERATOR PAD



3 SECTION DETAIL
1/2" = 1'-0" CONCRETE STAIR



1 PARTIAL ELEVATION
1/2" = 1'-0" MONUMENT SIGN

100% CONSTRUCTION DOCUMENTS
SITE DETAILS CONT.

architect

revisions
1 ADDENDUM #01 10.06.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
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project number
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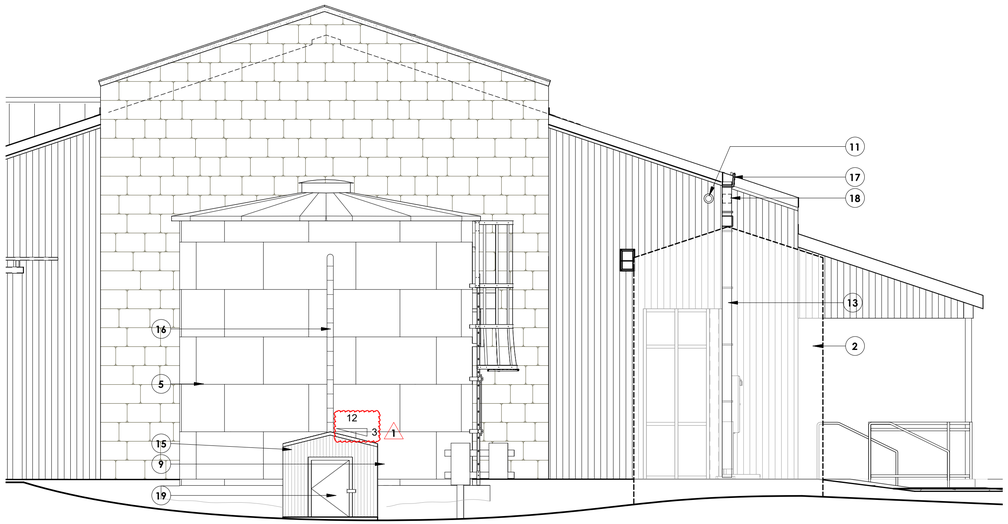
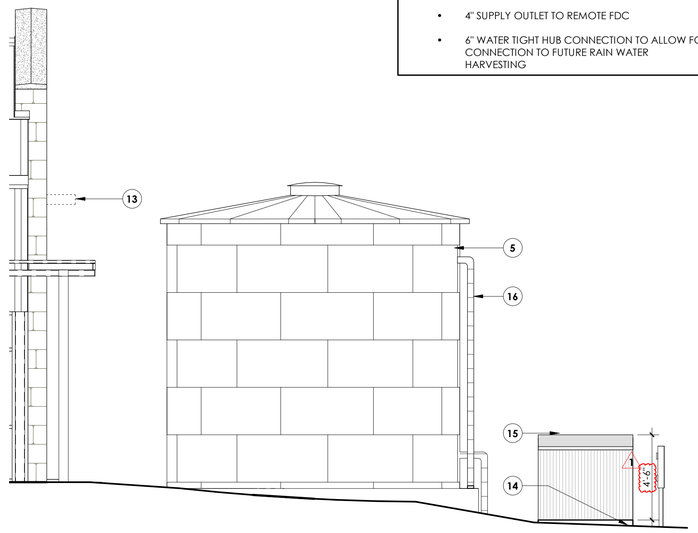
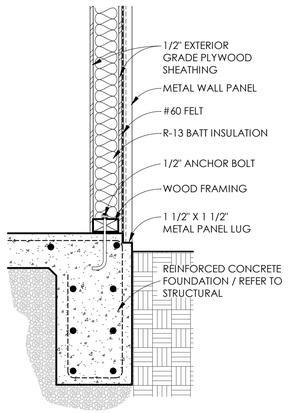
BEATY PALMER ARCHITECTS



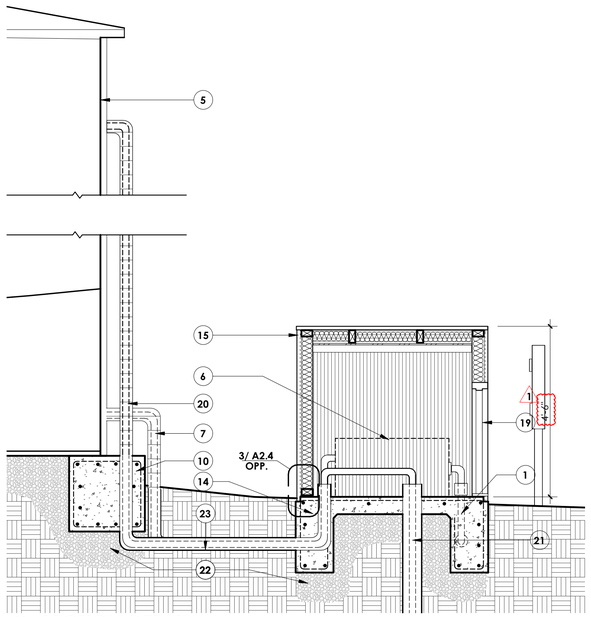
5 ELEVATION DETAIL
1/4" = 1'-0" NORTH



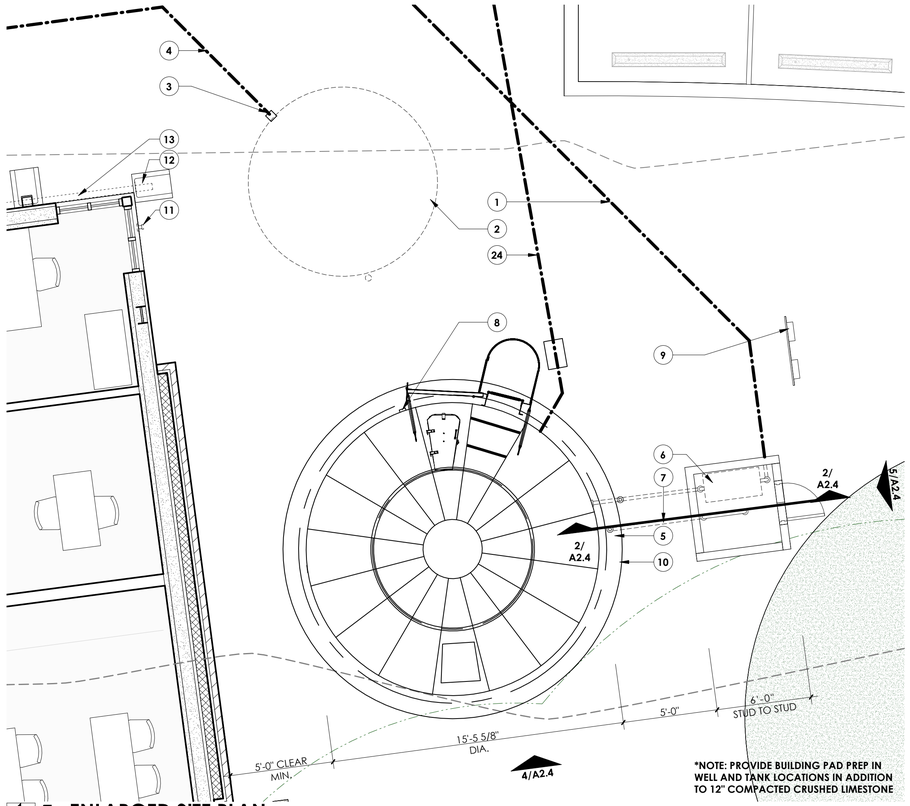
4 ELEVATION DETAIL
1/4" = 1'-0" EAST



3 SECTION DETAIL
1" = 1'-0" WELL HOUSE



2 SECTION DETAIL
1/2" = 1'-0" WATER WELL



PLAN NORTH

1 ENLARGED SITE PLAN
1/4" = 1'-0" WATER WELL / TANK

***NOTE: PROVIDE BUILDING PAD PREP IN WELL AND TANK LOCATIONS IN ADDITION TO 12" COMPACTED CRUSHED LIMESTONE**

WATER TANK CONNECTION SCHEDULE

- 2" INLET FROM WATER WELL
- 2" SUPPLY OUTLET TO BOOSTER PUMP
- 4" SUPPLY OUTLET TO REMOTE FDC
- 6" WATER TIGHT HUB CONNECTION TO ALLOW FOR CONNECTION TO FUTURE RAIN WATER HARVESTING

SPECIAL WATER WELL INSTALLATION NOTES

A. GC TO PROVIDE AND INSTALL A NEW WATER WELL TO COMPLY WITH COW CREEK GROUND WATER CONSERVATION DISTRICT (COW CREEK) REQUIREMENTS AND TEXAS OCCUPATIONS CODE CHAPTERS 1901 & 1902 FOR, "WATER WELL DRILLERS" AND "WATER WELL PUMP INSTALLERS".

B. THE COMPLETED WELL INSTALLATION SHALL BE CAPABLE OF PROVIDING A FLOW RATE OF 41 GPM AT 60 TO 70 PSI AND CAPABLE OF PROVIDING 700 GALLONS OF WATER PER DAY FOR DOMESTIC USE TO BE VERIFIED BY A WATER WELL PUMP/FLOW TEST AS REQUIRED BY COW CREEK. 1

C. DRILL NEW WELL WITH AN ASSUMED DEPTH OF 450' DEEP WITH A 10" BORE FOR THE ENTIRE DEPTH OF THE WELL. REFER TO SPECIFICATION SECTION 012200-UNIT PRICES FOR ADDITIONAL UNIT PRICING BIDDING REQUIREMENTS FOR LESSER OR GREATER WELL-DRILLING DEPTH.

D. WELL CASING SHALL HAVE A MINIMUM INSIDE DIAMETER OF 6" AND SHALL INCLUDE A WATER WELL MEASURING TUBE. CASING MATERIAL TO BE SCH 40 / SDR 21 EQUAL OR BETTER. BIDDERS ARE REQUIRED TO VERIFY PIPING AND CASING MATERIALS WITH KENDALL COUNTY PRIOR TO BIDDING. CEMENT CASE THE WELL IN ACCORDANCE WITH TAC §76.1004.

E. WATER WELL INSTALLATION TO INCLUDE A METER TO COMPLY WITH COW CREEK REQUIREMENTS.

F. WELL DRILLERS ARE REQUIRED TO HOLD A TDLR LICENSE AS VERIFIED BY COW CREEK.

G. GC TO PROVIDE ALL NECESSARY EQUIPMENT, MATERIALS, SUPPLIES AND PERSONNEL TO ACCOMPLISH THE WORK TO PROVIDE A FULLY OPERATIONAL WATER SUPPLY, IN CONFORMANCE WITH TDLR, STATE, AND LOCAL AUTHORITIES.

H. PROVIDE AND INSTALL MIN. 2HP SUBMERSIBLE PUMP

I. ALL ELECTRICAL CONTROLS TO BE FUNCTIONAL FOR WELL OPERATIONS AND TESTED PRIOR TO COMMISSIONING.

J. ALL OTHER ANCILLARY TASKS OR ITEMS WHICH ARE REQUIRED TO COMPLETE THE PROJECT AND PROVIDE A FULLY OPERATIONAL AND FUNCTIONAL WELL SHALL BE INCLUDED IN THE BID.

K. ALL PERMITS SHALL BE ADMINISTERED THROUGH COW CREEK GROUNDWATER DISTRICT OFFICE LOCATED AT 9 TOEPPERWEIN RD. BOERNE TX 78006.

L. GC TO INCLUDE COST FOR ALL REQUIRED PERMITS, INSPECTIONS, COMPLETION REPORTS, AND TESTS, AS WELL AS ANY APPLICATIONS.

M. COORDINATE EXACT WATER WELL PLACEMENT IN THE FIELD WITH THE OWNER, ARCHITECT, CIVIL ENGINEER, AND COW CREEK.

N. GC TO SUBMIT A SHOP DRAWING LAYOUT FOR REQUIRED WATER SYSTEM COMPONENTS FOR OWNER AND ARCHITECT REVIEW PRIOR TO PROCUREMENT AND INSTALLATION OF COMPONENTS. GC TO COORDINATE EXACT DOGHOUSE AND WELL HOUSE SIZE WITH THE PLANNED COMPONENTS AND REQUIRED PIPING. PROVIDE AN INSTALL CONVENIENCE POWER OUTLET, FREEZE PROTECTION HEATER, BOOSTER PUMP, AND PRESSURE TANK INSIDE THE WELL HOUSE/DOGHOUSE STRUCTURE.

O. WELL CONTRACTOR TO PROVIDE, INSTALL, AND SELECT ALL WELL COMPONENTS BASED ON THE CRITERIA LISTED HEREIN TO ACHIEVE 41 GPM FLOW RATE AT 60 TO 70 PSI.

P. GC TO COORDINATE REQUIREMENTS BETWEEN WELL CONTRACTOR, ELECTRICAL CONTRACTOR, AND OR UTILITY CONTRACTOR FOR FULLY OPERATIONAL WATER SYSTEM.

Q. DOMESTIC WATER TANK TO INCLUDE A LOW WATER ALARM SET AT 40% CAPACITY OF THE DOMESTIC WATER TANK.

R. DOGHOUSE TO BE CONSTRUCTED SO AS TO BE REMOVEABLE FOR SERVICING THE WELL. ROOF OF WELL HOUSE TO INCLUDE REMOVABLE SHEET METAL CAP AND ROOF STRUCTURE.

S. ALTERNATE FOR IRRIGATION SYSTEM AND RAINWATER HARVESTING TANK TO INCLUDE A FILL LINE ROUTED FROM THE WELL WATER SYSTEM TO THE RAINWATER HARVESTING TANK TO INCLUDE CONTROL VALVE SO AS TO NOT RESULT IN A LOSS OF WATER PRESSURE TO THE BUILDING WHEN WATER IS BEING SUPPLIED TO THE RAINWATER HARVESTING TANK (INCLUDE A MANUAL CUT-OFF VALUE ON THE FILL LINE TO THE RAINWATER HARVESTING TANK.

T. GRAVEL PACK ACTIVE ZONE OF WATER WELL BELOW 300' TO SUPPORT CONCRETE ENCASEMENT ABOVE TO COMPLY WITH COW CREEK REQUIREMENTS.

U. MONTHLY WATER USAGE IS ANTICIPATED TO VARY BETWEEN 3,000 AND 5,000 GALLONS PER MONTH AS EXHIBITED AT OTHER KENDALL COUNTY FACILITIES OF SIMILAR FUNCTION AND USE

KEY NOTES

1 2" PVC WATER LINE TO BUILDING / REFER TO CIVIL
2 FUTURE RAIN WATER HARVESTING TANK
3 TERMINATE 2" PVC WATER LINE WITH CAP AND LABEL IN DOMESTIC WATER BOX
4 PROVIDE AND INSTALL 2" PVC WATER LINE CONNECTION FOR FUTURE RAIN WATER HARVESTING SYSTEM TO FIRE SPRINKLER / REFER TO CIVIL
5 19,445 GALLON CORRUGATED STEEL TANK /FOR POTABLE WATER USE SCT-1504-LVR BY NATIONAL STORAGE TANK OR EQUAL / REFER TO STRUCTURAL FOR RING
6 DOMESTIC WATER LINE BOOSTER PUMP
7 2" WATERLINE FROM WELL TO TANK
8 CLOSED WATER-TIGHT CONNECTION PORT FOR CONNECTION TO FUTURE RAIN WATER HARVESTING SYSTEM
9 WATER WELL ELECTRICAL EQUIPMENT AND RACK / REFER TO ELECTRICAL
10 WATER TANK RING BEAM FOUNDATION / REFER TO STRUCTURAL
11 CONDENSATE PIPE OUTLET ESCUTCHEON PLATE AND INSECT SCREEN FOR CONNECTION TO FUTURE RAIN WATER HARVESTING TANK / REFER TO SCHEDULE OF ALLOWANCES
12 PRECAST CONCRETE SPLASH BLOCK FOR RAINWATER HARVESTING FIRST FLUSH AND PIPE OUTLET
13 RAIN WATER HARVESTING 6" FIRST FLUSH PIPE SYSTEM / GALVANIZED METAL / PAINT / STUB OUT 6" PIPE OUTLET TO FUTURE RAINWATER HARVESTING TANK LOCATION
14 REINFORCED CONCRETE WELL HOUSE FOUNDATION / REFER TO STRUCTURAL
15 PRE FINISHED METAL WALL PANEL AS SPECIFIED / COLOR: CHARCOAL GRAY
16 INSULATE EXPOSED WATER PIPING WITH STAINLESS STEEL JACKETED PIPE INSULATION / TYPICAL
17 8" X 8" X CUSTOM PRE-FINISHED RAIN WATER HARVESTING GUTTER WITH 1/8" BENT STEEL GALVANIZED AND PAINTED SUPPORT BRACKETS @ 24" O.C. MAX. SLOPE 0.5% MIN.
18 6" PIPE OUTLET TO FUTURE RAIN WATER HARVESTING TANK
19 2'X3' HOLLOW METAL ACCESS DOOR AND FRAME WITH 2 HINGES AND PADLOCK HASP
20 2" PVC WATER LINE FROM WATER TANK TO BOOSTER PUMP
21 WATER WELL INSTALLATION BY G.C TO COMPLY WITH COW CREEK WATER WELL REQUIREMENTS
22 COMPACTED 12" MINIMUM CRUSHED LIMESTONE BASE
23 4" PVC SLEEVE / NOT REQUIRED PER ADDENDUM #01 1
24 4" PVC WATER LINE TO FDC / REFER TO CIVIL

100% CONSTRUCTION DOCUMENTS
WELL & TANK - BASE BID

architect

REGISTERED ARCHITECT CORY W. HAWKINS 20466 STATE OF TEXAS

08.15.23

revisions
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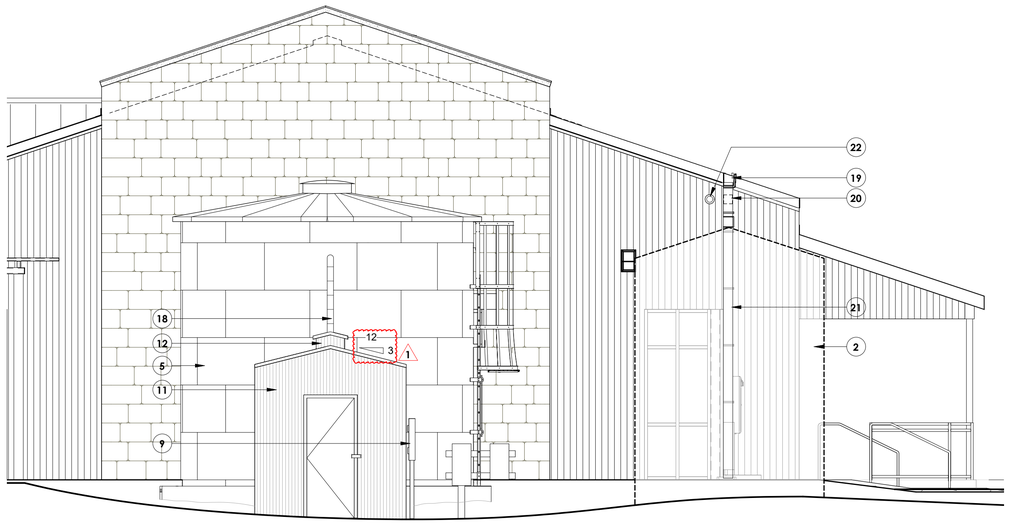

5 ELEVATION DETAIL
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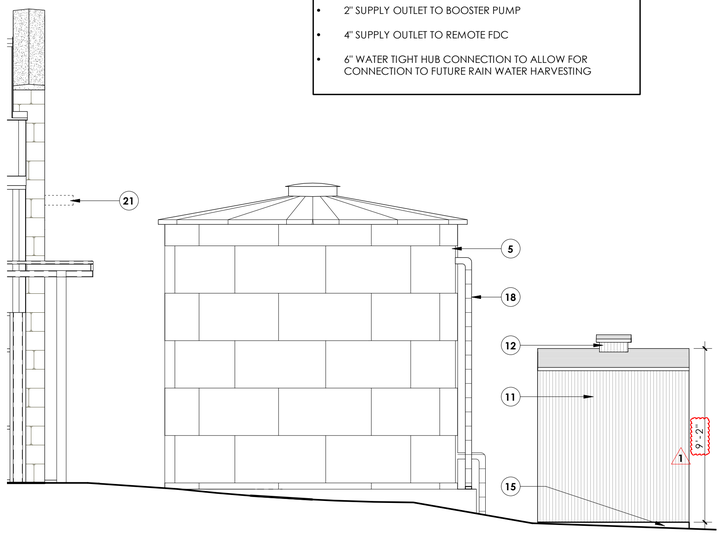

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K. ALL PERMITS SHALL BE ADMINISTERED THROUGH COW CREEK GROUNDWATER DISTRICT OFFICE LOCATED AT 9 TOEPPERWEIN RD. BOERNE TX 78006.

L. GC TO INCLUDE COST FOR ALL REQUIRED PERMITS, INSPECTIONS, COMPLETION REPORTS, AND TESTS, AS WELL AS ANY APPLICATIONS.

M. COORDINATE EXACT WATER WELL PLACEMENT IN THE FIELD WITH THE OWNER, ARCHITECT, CIVIL ENGINEER, AND COW CREEK.

N. GC TO SUBMIT A SHOP DRAWING LAYOUT FOR REQUIRED WATER SYSTEM COMPONENTS FOR OWNER AND ARCHITECT REVIEW PRIOR TO PROCUREMENT AND INSTALLATION OF COMPONENTS. GC TO COORDINATE EXACT DOGHOUSE AND WELL HOUSE SIZE WITH THE PLANNED COMPONENTS AND REQUIRED PIPING. PROVIDE AN INSTALL CONVENIENCE POWER OUTLET, FREEZE PROTECTION HEATER, BOOSTER PUMP, AND PRESSURE TANK INSIDE THE WELL HOUSE/DOGHOUSE STRUCTURE.

O. WELL CONTRACTOR TO PROVIDE, INSTALL, AND SELECT ALL WELL COMPONENTS BASED ON THE CRITERIA LISTED HEREIN TO ACHIEVE 41 GPM FLOW RATE AT 60 TO 70 PSI.

P. GC TO COORDINATE REQUIREMENTS BETWEEN WELL CONTRACTOR, ELECTRICAL CONTRACTOR, AND OR UTILITY CONTRACTOR FOR FULLY OPERATIONAL WATER SYSTEM.

Q. DOMESTIC WATER TANK TO INCLUDE A LOW WATER ALARM SET AT 40% CAPACITY OF THE DOMESTIC WATER TANK.

R. DOGHOUSE TO BE CONSTRUCTED SO AS TO BE REMOVEABLE FOR SERVICING THE WELL. ROOF OF WELL HOUSE TO INCLUDE REMOVABLE SHEET METAL CAP AND ROOF STRUCTURE.

S. ALTERNATE FOR IRRIGATION SYSTEM AND RAINWATER HARVESTING TANK TO INCLUDE A FILL LINE ROUTED FROM THE WELL WATER SYSTEM TO THE RAINWATER HARVESTING TANK TO INCLUDE CONTROL VALVE SO AS TO NOT RESULT IN A LOSS OF WATER PRESSURE TO THE BUILDING WHEN WATER IS BEING SUPPLIED TO THE RAINWATER HARVESTING TANK (INCLUDE A MANUAL CUT-OFF VALUE ON THE FILL LINE TO THE RAINWATER HARVESTING TANK.

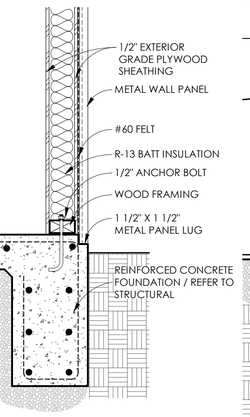
T. GRAVEL PACK ACTIVE ZONE OF WATER WELL BELOW 300' TO SUPPORT CONCRETE ENCASEMENT ABOVE TO COMPLY WITH COW CREEK REQUIREMENTS.

U. MONTHLY WATER USAGE IS ANTICIPATED TO VARY BETWEEN 3,000 AND 5,000 GALLONS PER MONTH AS EXHIBITED AT OTHER KENDALL COUNTY FACILITIES OF SIMILAR FUNCTION AND USE

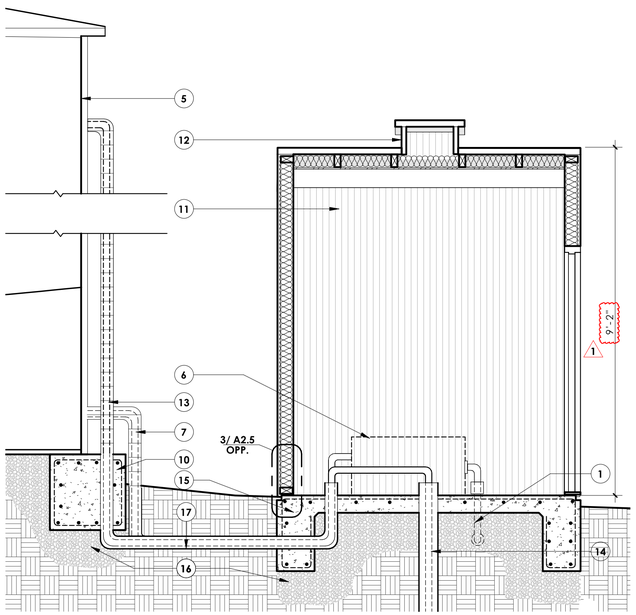
1

KEY NOTES

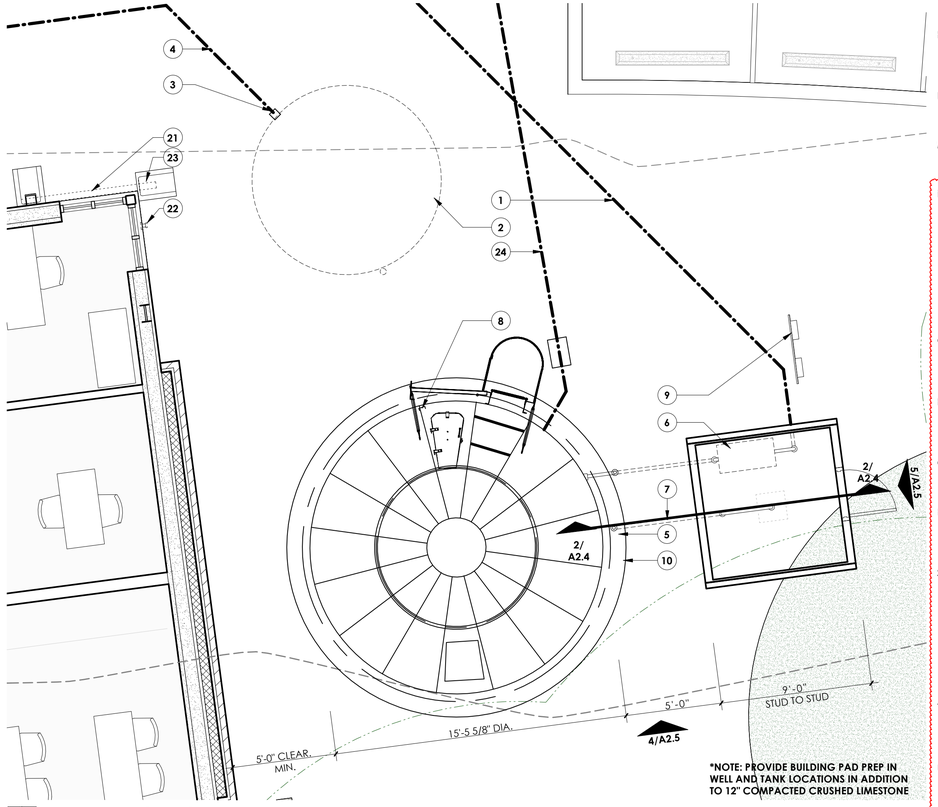
1 2" PVC WATER LINE TO BUILDING / REFER TO CIVIL
2 FUTURE RAIN WATER HARVESTING TANK
3 TERMINATE 2" PVC WATER LINE WITH CAP AND LABEL IN DOMESTIC WATER BOX
4 PROVIDE AND INSTALL 2" PVC WATER LINE CONNECTION FOR FUTURE RAIN WATER HARVESTING SYSTEM TO FIRE SPRINKLER / REFER TO CIVIL
5 19,445 GALLON CORRUGATED STEEL TANK /FOR POTABLE WATER USE SCT-1504-LVR BY NATIONAL STORAGE TANK OR EQUAL / REFER TO STRUCTURAL FOR RING
6 DOMESTIC WATER LINE BOOSTER PUMP
7 2" WATERLINE FROM WELL TO TANK
8 CLOSED WATER-TIGHT CONNECTION PORT FOR CONNECTION TO FUTURE RAIN WATER HARVESTING SYSTEM
9 WATER WELL ELECTRICAL EQUIPMENT AND RACK / REFER TO ELECTRICAL
10 WATER TANK RING BEAM FOUNDATION / REFER TO STRUCTURAL
11 PRE FINISHED METAL WALL PANEL AS SPECIFIED / COLOR: CHARCOAL GRAY
12 18" X 18" REMOVABLE METAL CAP
13 2" PVC WATER LINE FROM WATER TANK TO BOOSTER PUMP
14 WATER WELL INSTALLATION BY G.C TO COMPLY WITH COW CREEK WATER WELL REQUIREMENTS
15 REINFORCED CONCRETE WELL HOUSE FOUNDATION / REFER TO STRUCTURAL
16 COMPACTED 12" MINIMUM CRUSHED LIMESTONE BASE
17 4" PVC SLEEVE / NOT REQUIRED PER ADDENDUM #01 1
18 INSULATE EXPOSED WATER PIPING WITH STAINLESS STEEL JACKETED PIPE INSULATION / TYPICAL
19 8" X 8" X CUSTOM PRE-FINISHED RAIN WATER HARVESTING GUTTER WITH 1/8" BENT STEEL GALVANIZED AND PAINTED SUPPORT BRACKETS @ 24" O.C. MAX. SLOPE 0.5% MIN.
20 6" PIPE OUTLET TO FUTURE RAIN WATER HARVESTING TANK
21 RAIN WATER HARVESTING 6" FIRST FLUSH PIPE SYSTEM / GALVANIZED METAL / PAINT / STUB OUT 6" PIPE OUTLET TO FUTURE RAINWATER HARVESTING TANK LOCATION
22 CONDENSATE PIPE OUTLET ESCUTCHEON PLATE AND INSECT SCREEN FOR CONNECTION TO FUTURE RAIN WATER HARVESTING TANK / REFER TO SCHEDULE OF ALLOWANCES
23 PRECAST CONCRETE SPLASH BLOCK FOR RAINWATER HARVESTING FIRST FLUSH AND PIPE OUTLET
24 4" PVC WATER LINE TO FDC / REFER TO CIVIL



3 SECTION DETAIL
1" = 1'-0" WELL HOUSE



2 SECTION DETAIL
1/2" = 1'-0" WATER WELL



PLAN NORTH

1 ENLARGED SITE PLAN
1/4" = 1'-0" WATER WELL / TANK

***NOTE: PROVIDE BUILDING PAD PREP IN WELL AND TANK LOCATIONS IN ADDITION TO 12" COMPACTED CRUSHED LIMESTONE**

100% CONSTRUCTION DOCUMENTS
WELL & TANK - ALTERNATE

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revisions
1 ADDENDUM #01 10.06.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
BOERNE, TEXAS 78006

KENDALL COUNTY

project number
22-41
date
08.15.23

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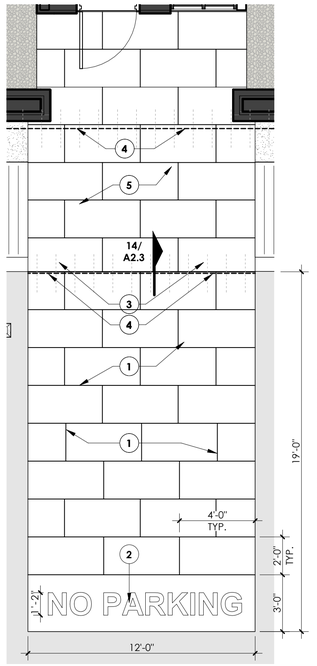
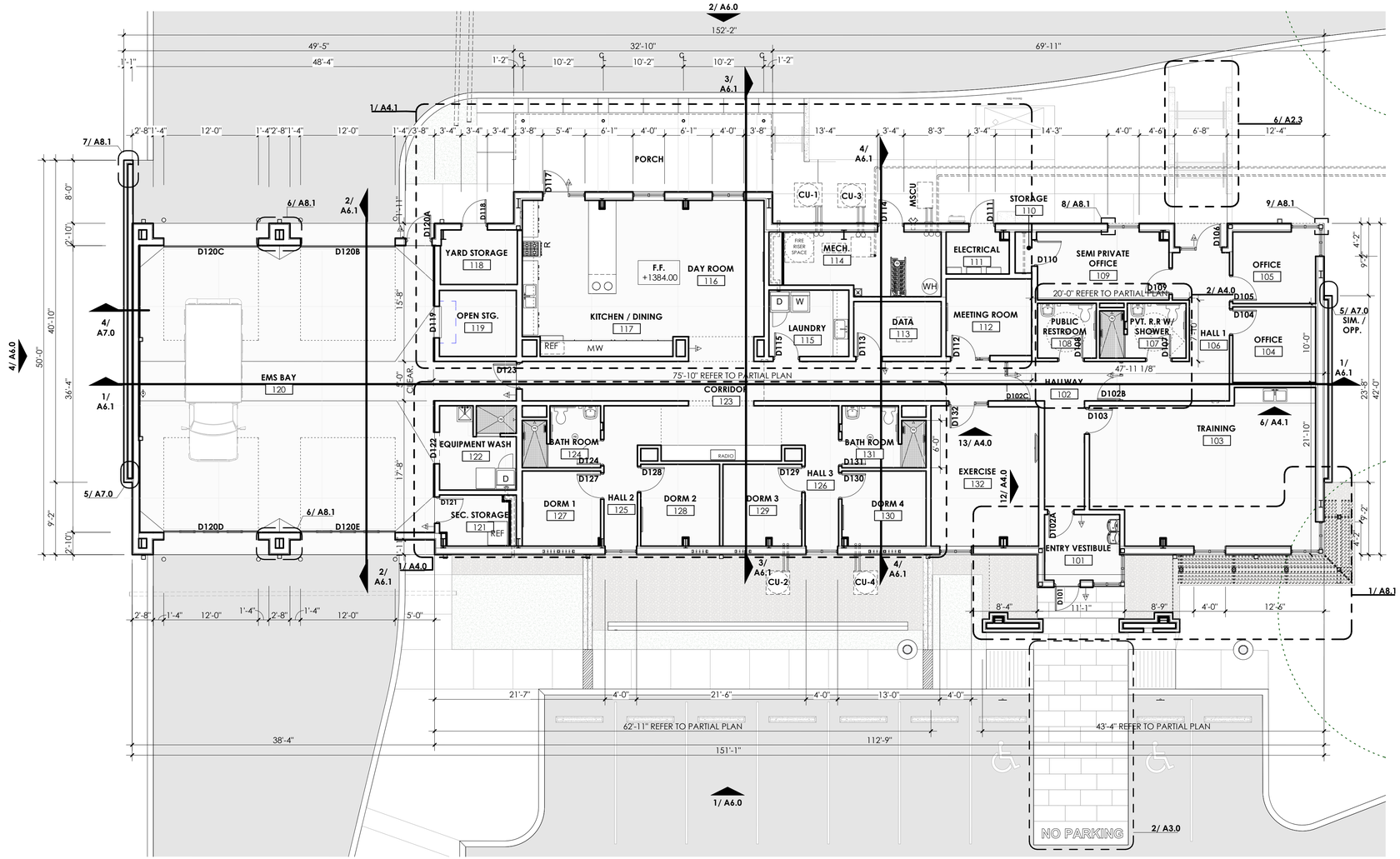


2 ENLARGED PLAN
1/4" = 1'-0" MAIN ENTRY



PLAN NORTH

1 FLOORPLAN
1/8" = 1'-0" NEW CONSTRUCTION

KEYNOTES

1. 6" THICK REINFORCED LIGHT DUTY CONCRETE PAVING WITH TOOLED CONTROL JOINTS AS INDICATED
2. NEW HIGH VISIBILITY PARKING PAVEMENT STRIPPING / SW PRO-PARK WATERBORNE TRAFFIC MARKING PAINT - OR APPROVED E.Q. / "NO PARKING" TEXT MARKING / FONT: ARIAL
3. REINFORCED CONCRETE FLUSH CURB / REFER TO CIVIL
4. ISOLATION JOINT WITH COMPRESSIBLE FILLER AND SEALANT / PROVIDE AND INSTALL # 4 DOWELS @ 12" O.C. MAX WITH MINIMUM EMBEDMENT OF 6"
5. REINFORCED CONCRETE FLATWORK WITH SAWCUT CONTROL JOINTS AS INDICATED.

100% CONSTRUCTION DOCUMENTS
OVERALL FLOOR PLAN

architect

REGISTERED ARCHITECT
CORY W. HAWKINS
20466
STATE OF TEXAS
08.15.23

revisions
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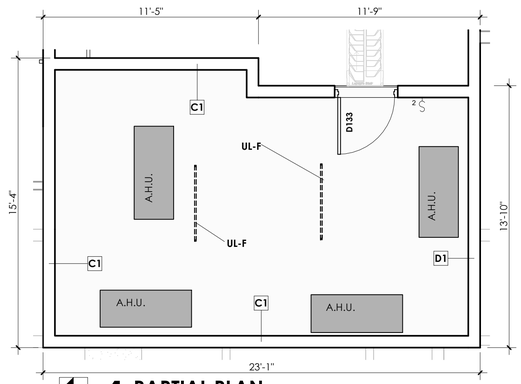
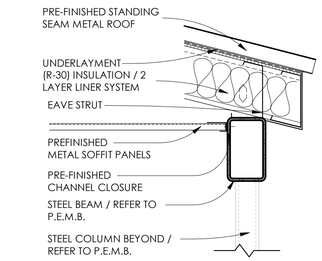
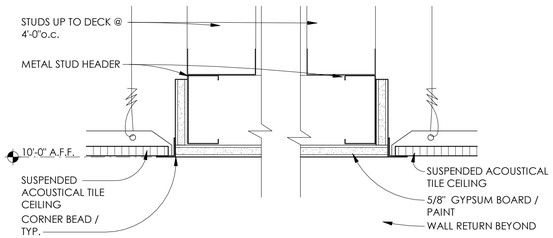


PLAN NORTH

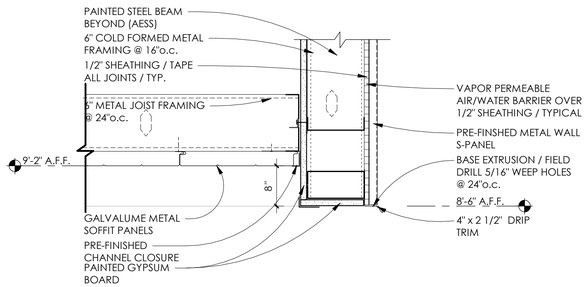
4 PARTIAL PLAN
1/4" = 1'-0" AHU PLATFORM



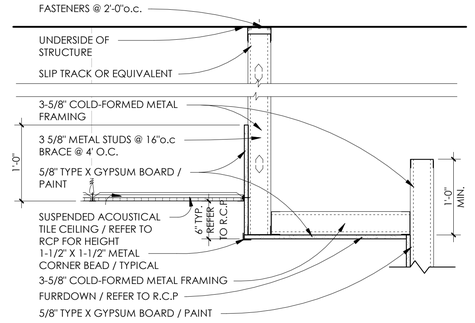
5 SECTION DETAIL
1" = 1'-0" CEILING AT PERMITER OF EMS PATIO



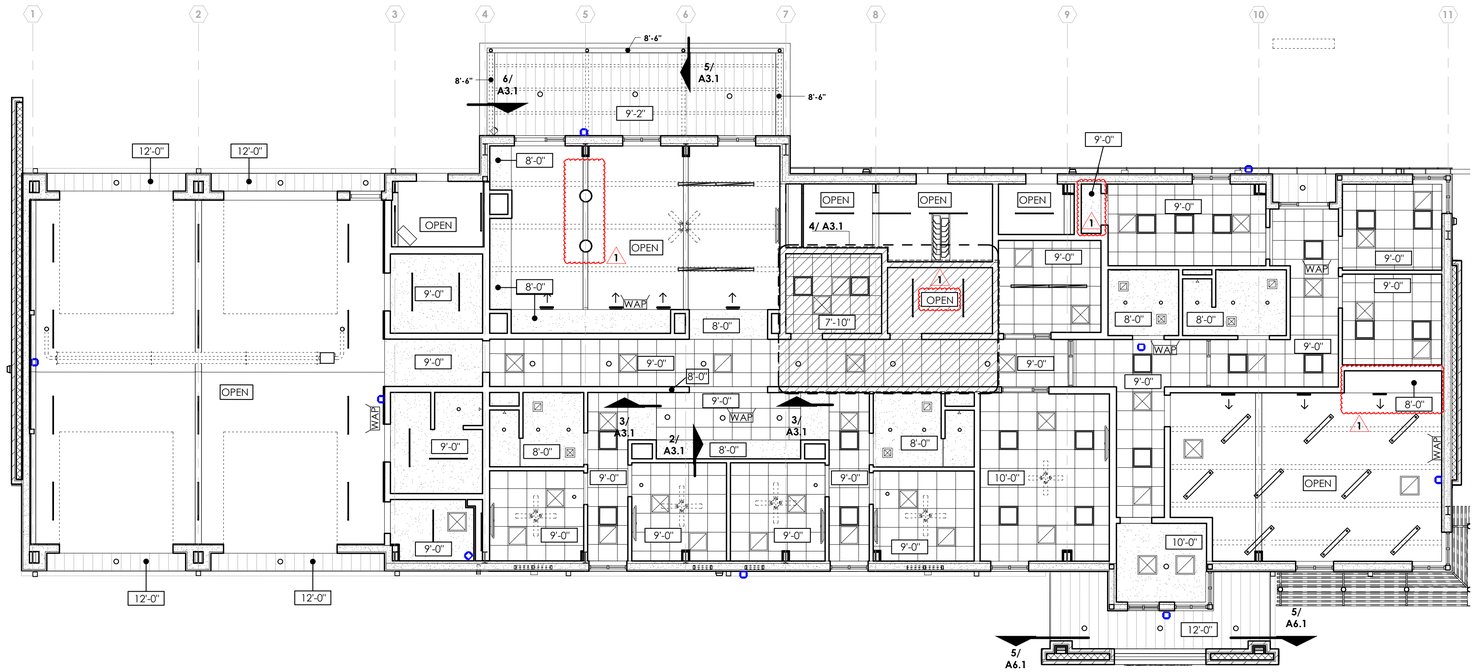
3 SECTION DETAIL
3" = 1'-0" CEILING TRANSITION



6 SECTION DETAIL
1 1/2" = 1'-0" CEILING AT EMS PATIO



2 SECTION DETAIL
1" = 1'-0" CEILING AT PERMITER OF EMS OPEN OFFICE AREA



PLAN NORTH

1 REFLECTED CEILING PLAN
1/8" = 1'-0" NEW CONSTRUCTION

RCP LEGEND

- P.E.M.B. SOFFIT PANELS
- AHU PLATFORM
- SUSPENDED ACOUSTICAL CEILING TILE WITH ACOUSTICAL INSULATION AS SCHEDULED
- SUSPENDED ACOUSTICAL CEILING AS SCHEDULED
- PAINTED GYPSUM BOARD CEILING
- SUPPLY AIR DEVICE
- RETURN REGISTER
- SIDEWALL SUPPLIER DEVICE
- 6" RECESSED CAN LIGHT
- 4" RECESSED CAN LIGHT
- 4" RECESSED CAN LIGHT WET LOCATION
- WALL PACK AREA LIGHT
- 48" DOWNLIGHT STRIP
- 48" LINEAR PENDANT LIGHT
- DISK PENDANT LIGHT
- MULTI SENSOR SECURITY CAMERA
- WAP — WIRELESS ACCESS PORT
- MINKIN 42" FAN
- ORSINI 52" FAN

100% CONSTRUCTION DOCUMENTS
REFLECTED CEILING PLAN

architect **revisions**

1 ADDENDUM #01 10.06.23

REGISTERED ARCHITECT · CORY W. HAWKINS · 20466 · STATE OF TEXAS

08.15.23

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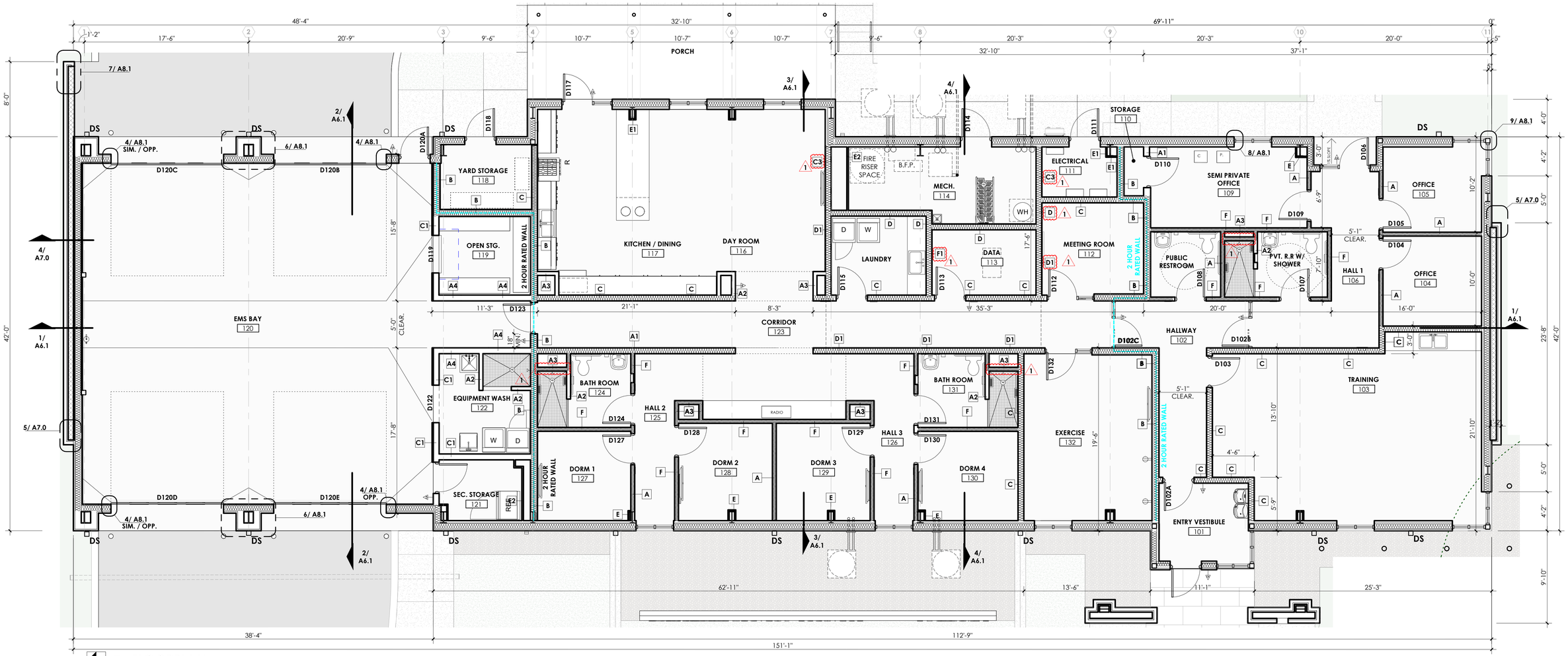
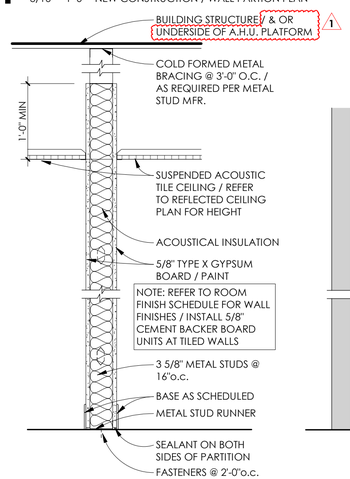


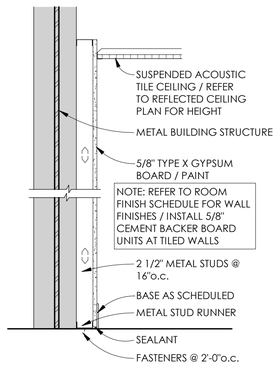
PLAN NORTH

1 FLOORPLAN
3/16" = 1'-0" NEW CONSTRUCTION / WALL PARTION PLAN



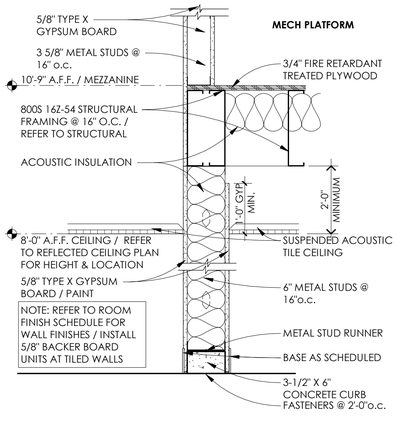
7 PARTITION TYPE "F"
1" = 1'-0" TYPICAL

F1: PARTION W/ 6" METAL STUDS @ 16" o.c. 1



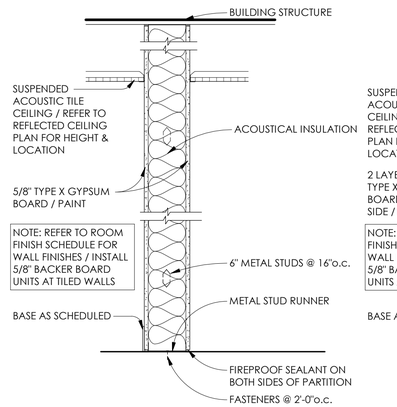
6 PARTITION TYPE "E"
1" = 1'-0" PEMB COLUMN SURROUND

E1: GYPSUM BOARD & STUDS UP TO 8' A.F.F.
E2: GYPSUM BOARD & STUDS UP TO BUILDING STRUCTURE



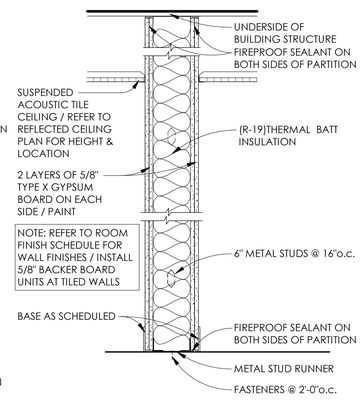
5 PARTITION TYPE "D"
1" = 1'-0" @ AHU PLATFORM

D1: SAME AS D EXCEPT OMIT 3-1/2" X 6" CONCRETE CURB

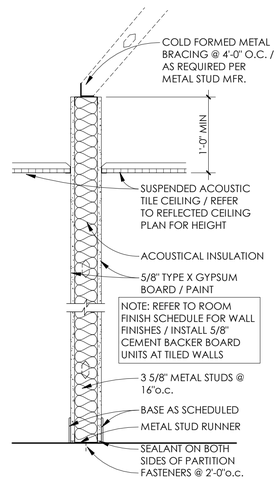


4 PARTITION TYPE "C"
1" = 1'-0" TYPICAL FULL HEIGHT WALL

C1: OMIT ACOUSTICAL INSULATION & ADD 3-1/2" X 6" CONCRETE CURB
C2: ONE SIDE GYP @ CHASES
C3: SAME AS C EXCEPT ADD 3-1/2" X 6" CONCRETE CURB @ FOUNDATION 1



3 PARTITION TYPE "B"
1" = 1'-0" 2HR. RATED WALL / UL DESIGN U419



2 PARTITION TYPE "A"
1" = 1'-0" TYPICAL

A1: PARTION W/ 6" METAL STUDS @ 16" o.c.
A2: OMIT ACOUSTICAL INSULATION
A3: 1 SIDE GYP @ CHASES
A4: PARTION W/ 6" METAL STUDS @ 16" o.c. & OMIT ACOUSTICAL INSULATION

100% CONSTRUCTION DOCUMENTS
WALL PARTITION TYPES

architect

revisions

1 ADDENDUM #01 10.06.23

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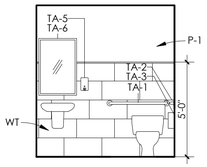
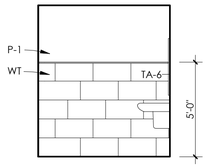
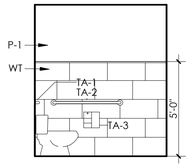


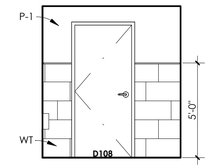
22 INTERIOR ELEVATION
1/4" = 1'-0" PUBLIC RESTROOM 108 / EAST



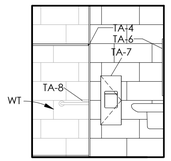
21 INTERIOR ELEVATION
1/4" = 1'-0" PUBLIC RESTROOM 108 / NORTH



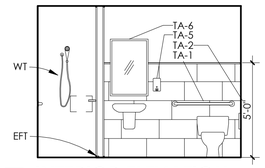
20 INTERIOR ELEVATION
1/4" = 1'-0" PUBLIC 108 / SOUTH



19 INTERIOR ELEVATION
1/4" = 1'-0" PUBLIC RESTROOM 108 / WEST



18 INTERIOR ELEVATION
1/4" = 1'-0" PVT. R.R. W/ SHOWER 107 / NORTH



17 INTERIOR ELEVATION
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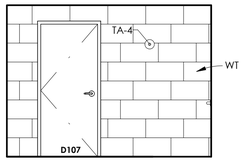

16 INTERIOR ELEVATION
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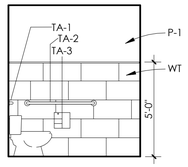
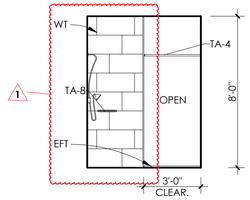
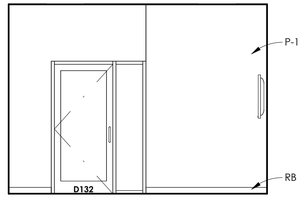


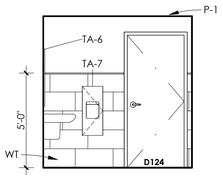
15 INTERIOR ELEVATION
1/4" = 1'-0" PVT. R.R. W/ SHOWER 107 / SOUTH



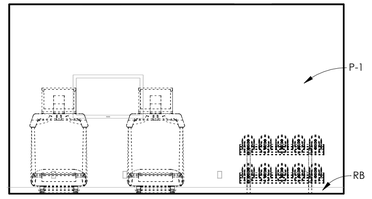
9 INTERIOR ELEVATION
1/4" = 1'-0" BATHROOM 124 / SHOWER / SOUTH



13 INTERIOR ELEVATION
1/4" = 1'-0" EXERCISE 132 / EAST

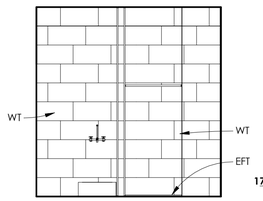


6 INTERIOR ELEVATION
1/4" = 1'-0" BATHROOM 124 / SOUTH

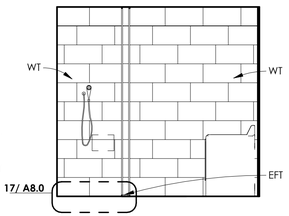


12 INTERIOR ELEVATION
1/4" = 1'-0" EXERCISE 132 / SOUTH

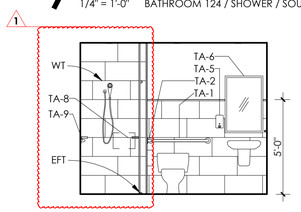
TOILET ACCESSORIES SCHEDULE				
MARK	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
1	GRAB BAR - 36"	BOBRICK	B-5806 SERIES	GC PROVIDED / GC INSTALLED
2	GRAB BAR - 42"	BOBRICK	B-5806 SERIES	GC PROVIDED / GC INSTALLED
3	DOUBLE-ROLL TOILET TISSUE DISPENSER WITH SHELF	BOBRICK	B-2840	GC PROVIDED / GC INSTALLED
4	CURTAIN ROD	BOBRICK	B-6047	36" AND 60" LENGTHS
5	SOAP DISPENSER	BOBRICK	B-4112	OWNER PROVIDED
6	MIRROR	BOBRICK	B-165 2436	GC PROVIDED / GC INSTALLED
7	PAPER TOWEL DISPENSER AND WASTE	BOBRICK	BOBRICK B-36903	OWNER PROVIDED
8	STAINLESS STEEL SHOWER SHELF	SCHLUTER	SHELF-W - WAVE / SWS1 D10 EB	ENSURE ADA INSTALLATION / MEET ALL GRAB BAR CLEARANCES
9	GRAB BAR - 48 HORIZONTAL WITH PEENED GRIP	BOBRICK	B-5806 SERIES	GC PROVIDED / GC INSTALLED



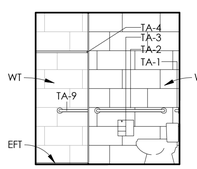
11 INTERIOR ELEVATION
1/4" = 1'-0" EQUIP. WASH 122 / EAST



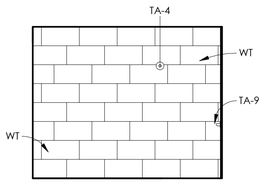
10 INTERIOR ELEVATION
1/4" = 1'-0" EQUIP. WASH 122 / SOUTH



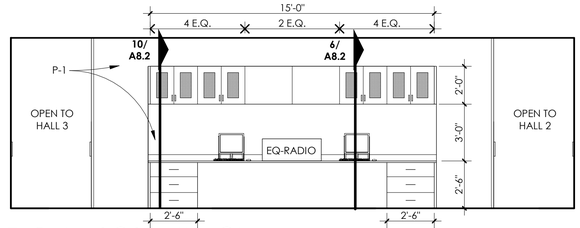
5 INTERIOR ELEVATION
1/4" = 1'-0" BATHROOM 124 / EAST



8 INTERIOR ELEVATION
1/4" = 1'-0" BATHROOM 124 / NORTH



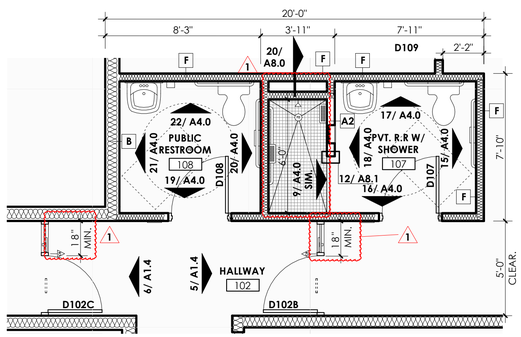
7 INTERIOR ELEVATION
1/4" = 1'-0" BATHROOM 124 / SOUTH



14 INTERIOR ELEVATION
1/4" = 1'-0" CORRIDOR / WORK STATION / WEST

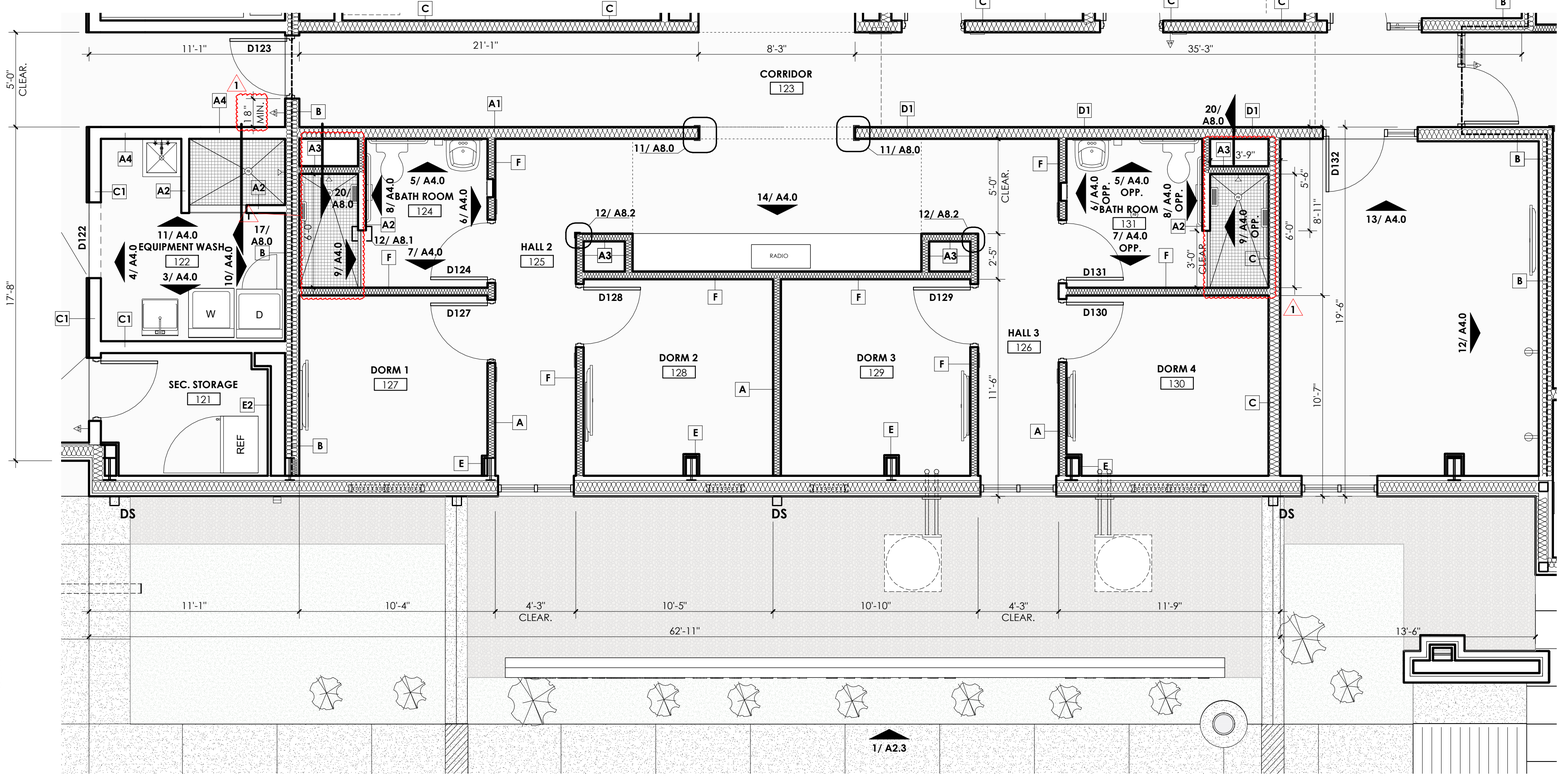
4 INTERIOR ELEVATION
1/4" = 1'-0" EQUIP. WASH 122 / NORTH

3 INTERIOR ELEVATION
1/4" = 1'-0" EQUIP. WASH 122 / WEST



PLAN NORTH

2 PARTIAL FLOOR PLAN
1/4" = 1'-0" NEW CONSTRUCTION

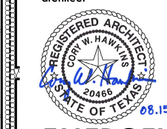


PLAN NORTH

1 PARTIAL FLOOR PLAN
1/4" = 1'-0" NEW CONSTRUCTION

100% CONSTRUCTION DOCUMENTS INTERIORS -1

architect



revisions
1 ADDENDUM #01 10.06.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
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KENDALL COUNTY

project number
22-41
date
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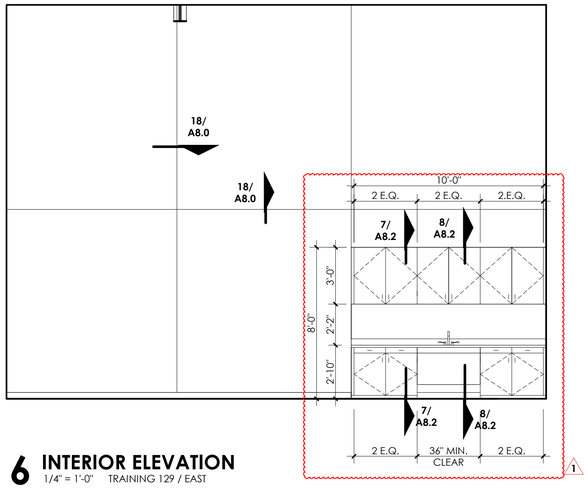
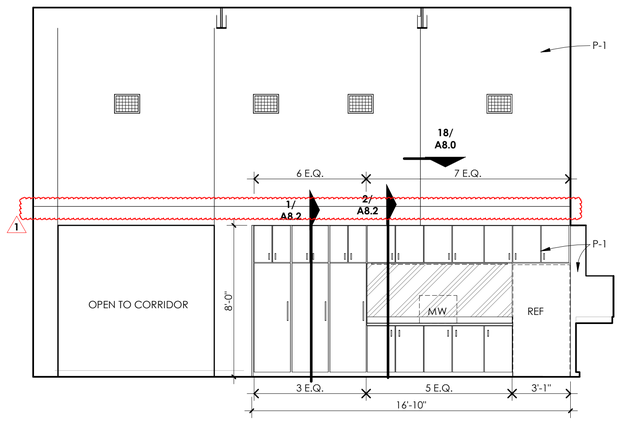
A4.0

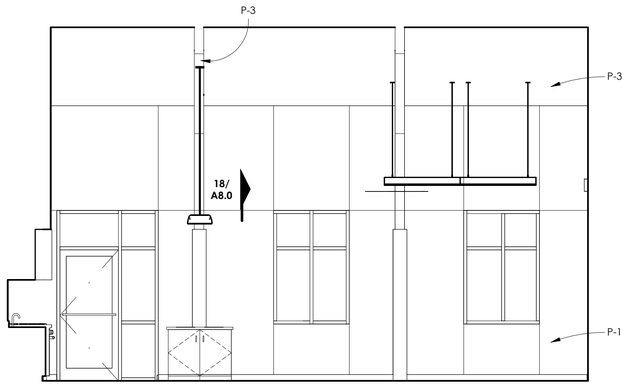
BEATY PALMER ARCHITECTS



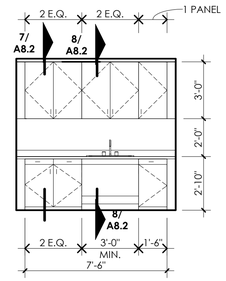
6 INTERIOR ELEVATION
1/4" = 1'-0" TRAINING 129 / EAST



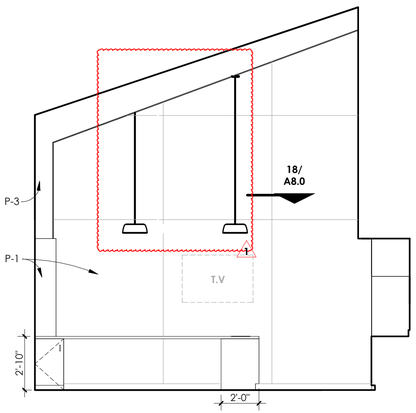
3 INTERIOR ELEVATION
1/4" = 1'-0" KITCHEN / WEST



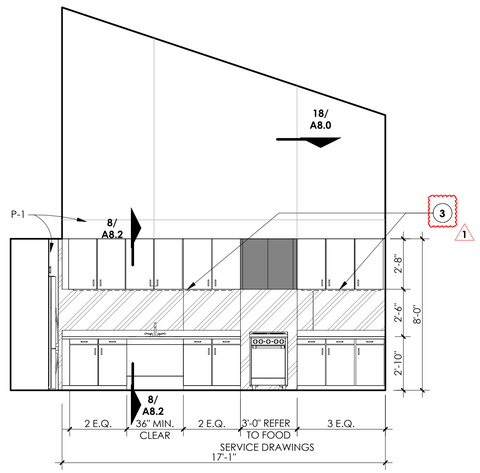
4 INTERIOR ELEVATION
1/4" = 1'-0" KITCHEN / EAST



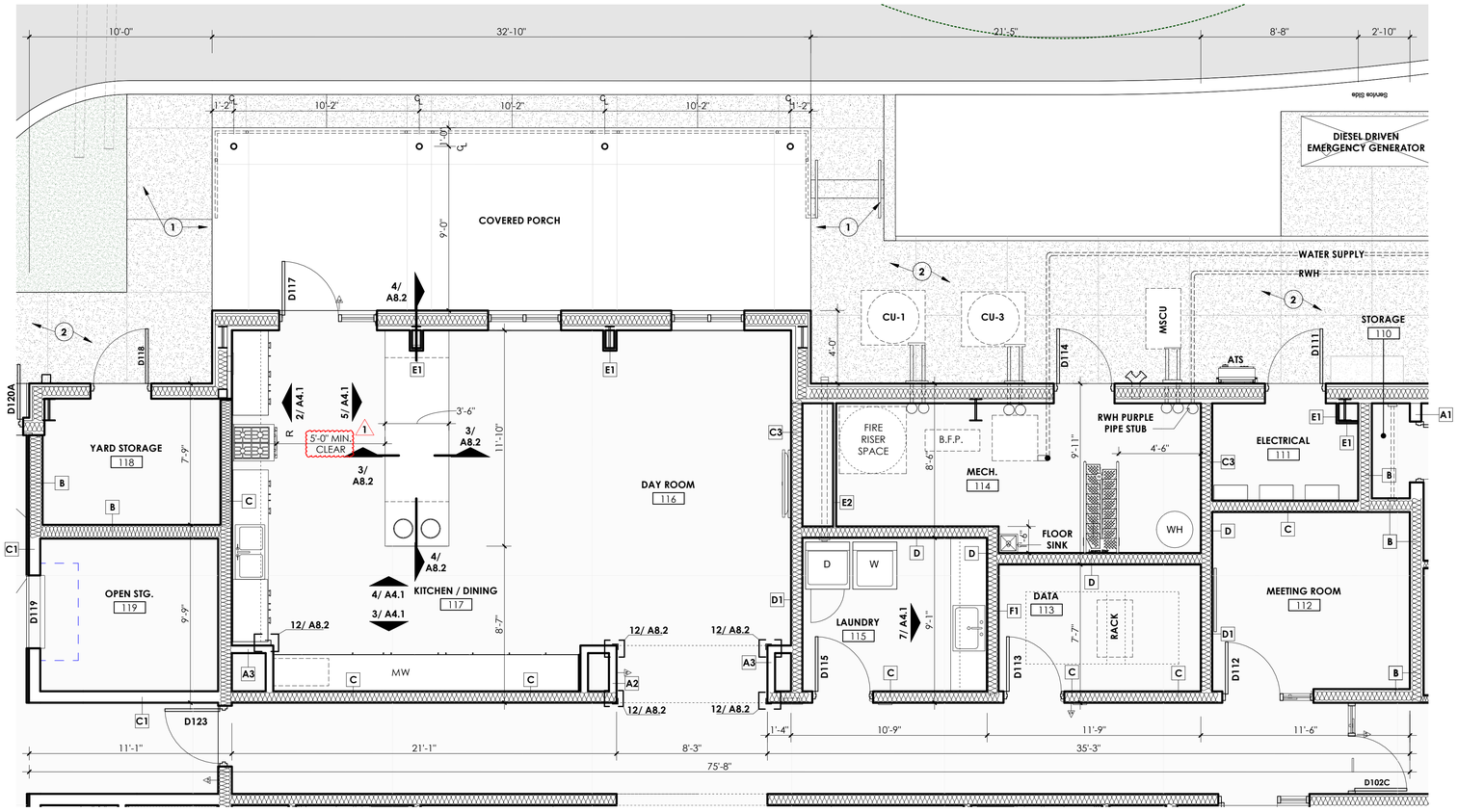
7 INTERIOR ELEVATION
1/4" = 1'-0" LAUNDRY / SOUTH



5 INTERIOR ELEVATION
1/4" = 1'-0" KITCHEN / SOUTH



2 INTERIOR ELEVATION
1/4" = 1'-0" KITCHEN / NORTH



PLAN NORTH

1 PARTIAL FLOOR PLAN
1/4" = 1'-0" NEW CONSTRUCTION

KEYNOTES

1 1 1/4" NOMINAL GALV. STEEL HANDRAIL & POST CORED AND EXPOXY GROUT WITH 6" EMBEDMENT.

2 5" THICK REINFORCED CONCRETE SIDEWALK WITH LIGHT BROOM FINISH AND #3 REBAR AT 18" O.C.E.W.

3 UNDER CABINET LED LIGHTING AT KITCHEN / REFER TO ELECTRICAL

100% CONSTRUCTION DOCUMENTS
INTERIORS - 2

architect

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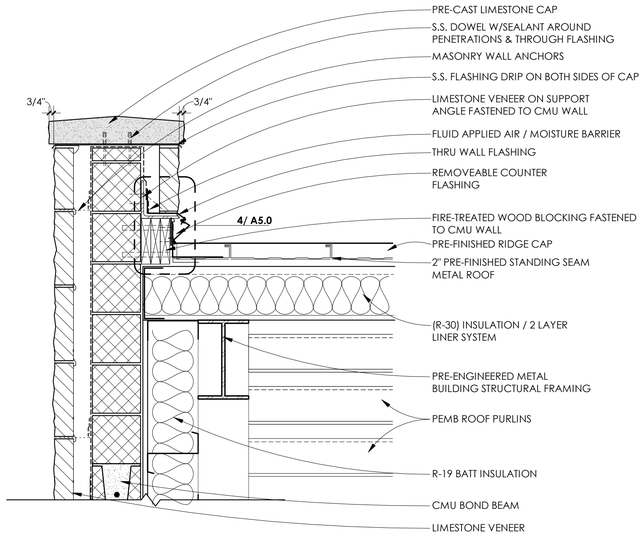
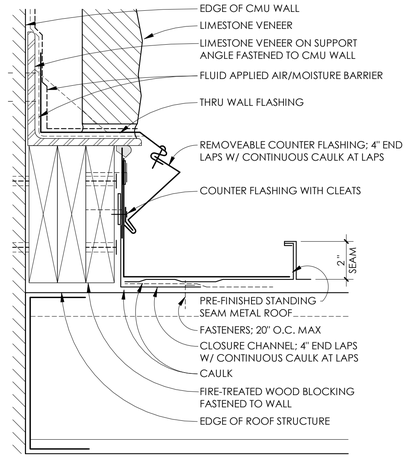
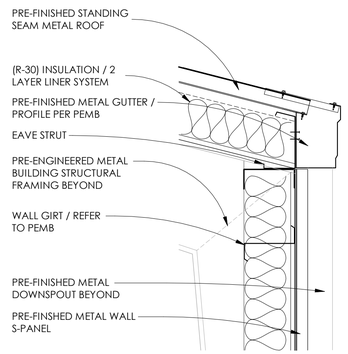
BEATY PALMER ARCHITECTS



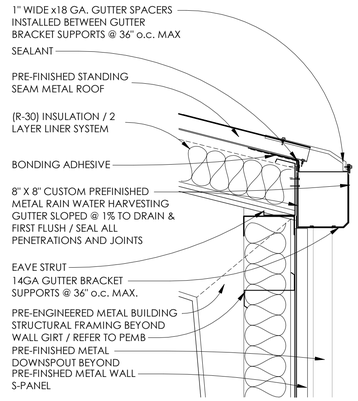
5 WALL SECTION
1" = 1'-0" HIGH STONE @ BAYS



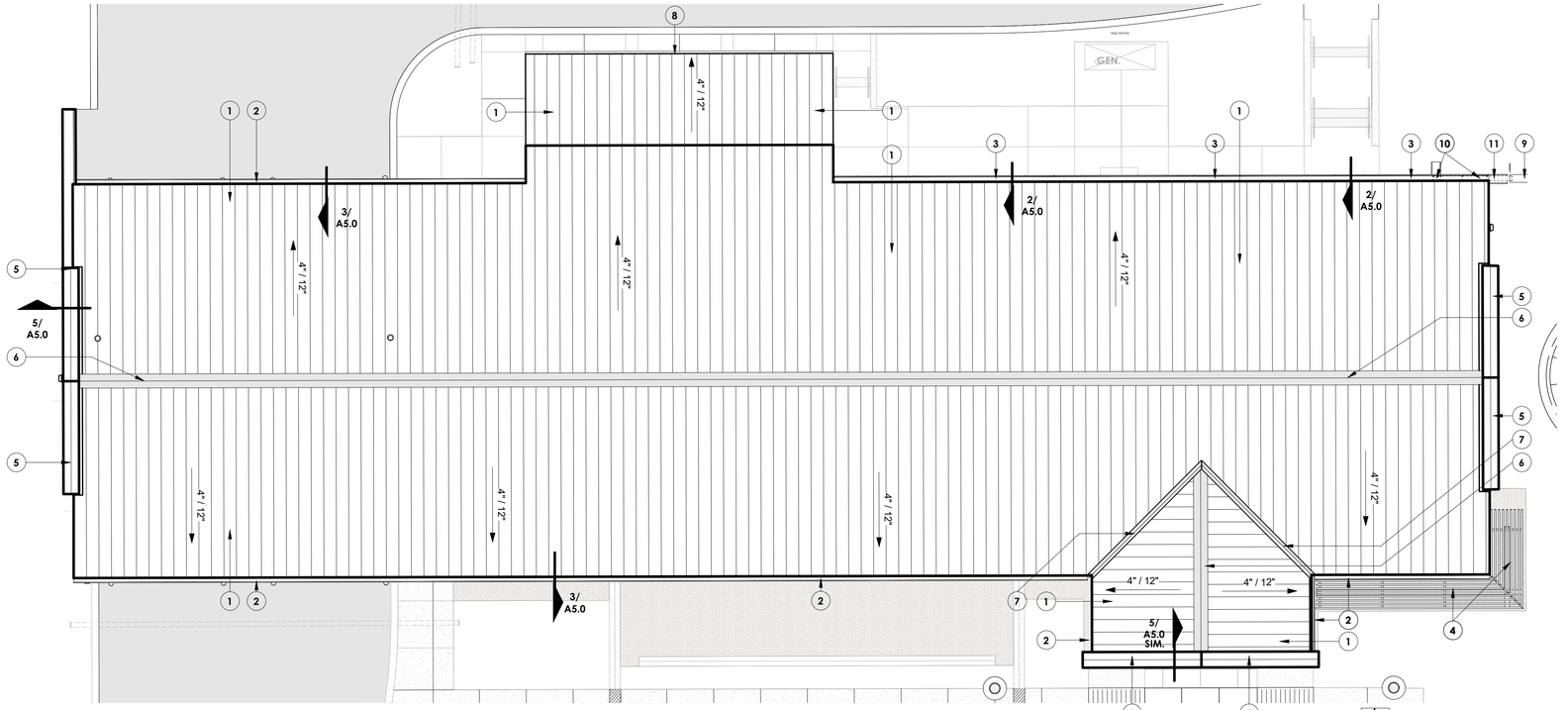
4 SECTION DETAIL
3" = 1'-0" FLASHING @ PARAPET WALLS



3 SECTION DETAIL
1" = 1'-0" TYPICAL GUTTER



2 SECTION DETAIL
1" = 1'-0" TYPICAL RAIN WATER HARVESTING GUTTER



1 ROOF PLAN
1/8" = 1'-0" NEW CONSTRUCTION

KEYNOTES

1 PRE-FINISHED STANDING SEAM METAL ROOF

2 PRE-FINISHED METAL GUTTER AND DOWNSPOUTS

3 8" X 8" CUSTOM PREFINISHED METAL RAINWATER HARVESTING GUTTER SLOPED @ 1% TO DRAIN / FIRST FLUSH EQUIPMENT

4 CUSTOM STEEL CANOPY AND OR PRE-ENGINEERED ALUMINUM AWNING / REFER TO SCHEDULE OF ALTERNATES

5 FABRICATED CUT LIMESTONE CAP

6 PRE-FINISHED STANDING SEAM METAL RIDGE CAP

7 PREFINISHED METAL VALLEY TO MATCH STANDING SEAM ROOF

8 PREFINISHED METAL DRIP EDGE

9 PRECAST CONCRETE GUTTER SPLASH BLOCK

10 GALVANIZED METAL 6" DIA. FIRST FLUSH DOWNSPOUT FOR FUTURE RAIN WATER HARVESTING SYSTEM LOCATED NORTH OF WINDOW

11 GALVANIZED METAL 6" DIA. FIRST FLUSH PIPE OUTLET ROUTED OVERHEAD TO FUTURE RAIN WATER HARVESTING TANK LOCATION

100% CONSTRUCTION DOCUMENTS
ROOF-NEW CONSTRUCTION

architect

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revisions
1 ADDENDUM #01 10.06.23

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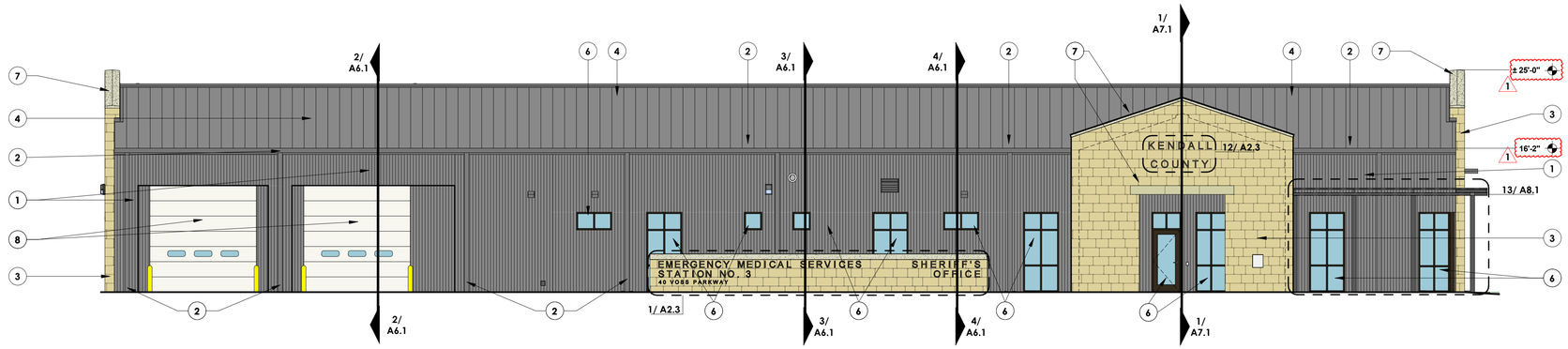
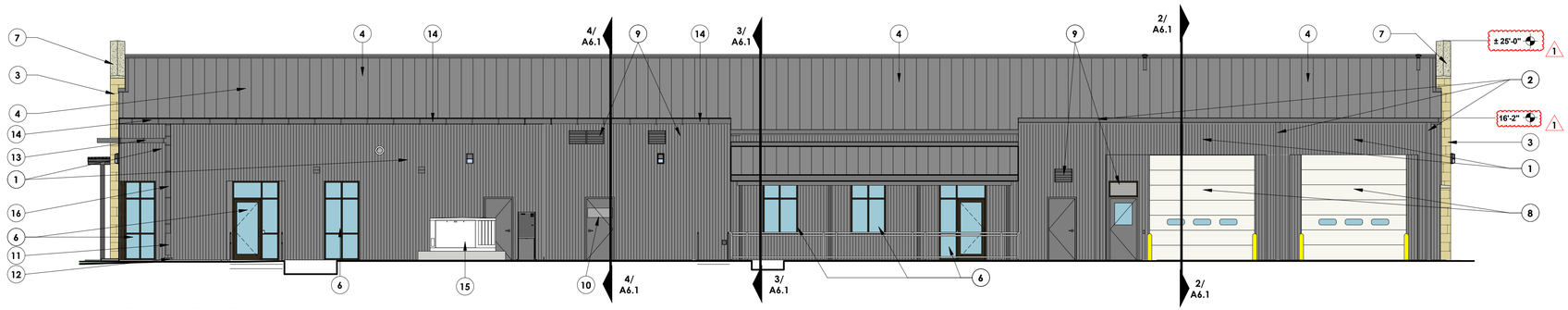
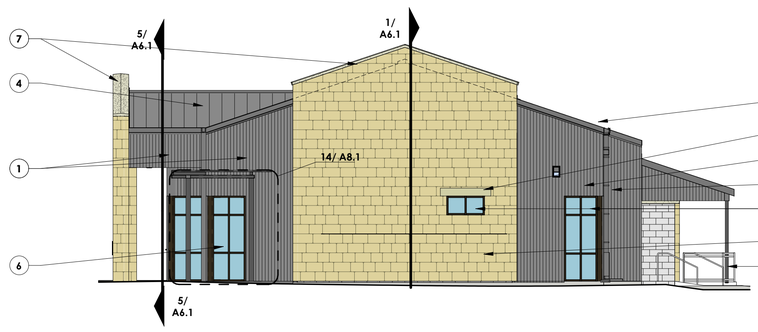


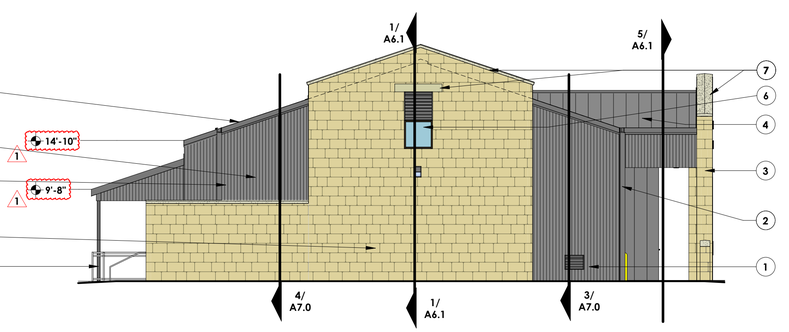
1 WEST ELEVATION
1/8" = 1'-0"



2 EAST ELEVATION
1/8" = 1'-0"



3 SOUTH ELEVATION
1/8" = 1'-0"



4 NORTH ELEVATION
1/8" = 1'-0"

KEYNOTES

1 PRE FINISHED METAL WALL PANEL AS SPECIFIED / COLOR: CHARCOAL GRAY

2 PREFINISHED METAL GUTTER & DOWNSPOUT COLOR TO MATCH: METAL WALL PANEL

3 STONE MASONRY VENEER / COLOR: NICOTINE / 12" COURSES

4 STANDING SEAM METAL ROOF PANEL AS SPECIFIED / COLOR: CHARCOAL GRAY

5 STRUCTURAL STEEL / PAINTED

6 ALUMINUM GLASS STOREFRONT WINDOWS & DOORS WITH 1" GLAZING / DARK BRONZE ON BLACK ANODIZED FRAMES

7 FABRICATED CUT LIMESTONE CAP / LINTEL

8 SECTIONAL OVERHEAD DOORS / COLOR: WHITE

9 PRE-FINISHED METAL LOUVER TO MATCH WALL PANEL

10 FIRE RISER GRAPHIC / APPLIED TO EXTERIOR FACE OF DOOR D114

11 6" DIA. RAIN HARVESTING FIRST FLUSH + DOWNSPOUT EQUIPMENT / BY BLUE MOUNTAIN CO. OR APPROVED EQUAL

12 PRECAST CONCRETE GUTTER SPLASH BLOCK

13 GALVANIZED METAL 6" DIA. FIRST FLUSH PIPE OUTLET ROUTED OVERHEAD TO FUTURE RAIN WATER HARVESTING TANK LOCATION

14 8" X 8" CUSTOM PREFINISHED METAL RAINWATER HARVESTING GUTTER SLOPED @ 1% TO DRAIN / FIRST FLUSH EQUIPMENT

15 EMERGENCY GENERATOR / REFER TO ELECTRICAL

16 GALVANIZED METAL 6" DIA. FIRST FLUSH DOWNSPOUT FOR FUTURE RAIN WATER HARVESTING SYSTEM LOCATED NORTH OF WINDOW

100% CONSTRUCTION DOCUMENTS
EXTERIOR ELEVATIONS

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1 ADDENDUM #01 10.06.23

REGISTERED ARCHITECT JOHN W. HAWKINS 20466 STATE OF TEXAS
08.15.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

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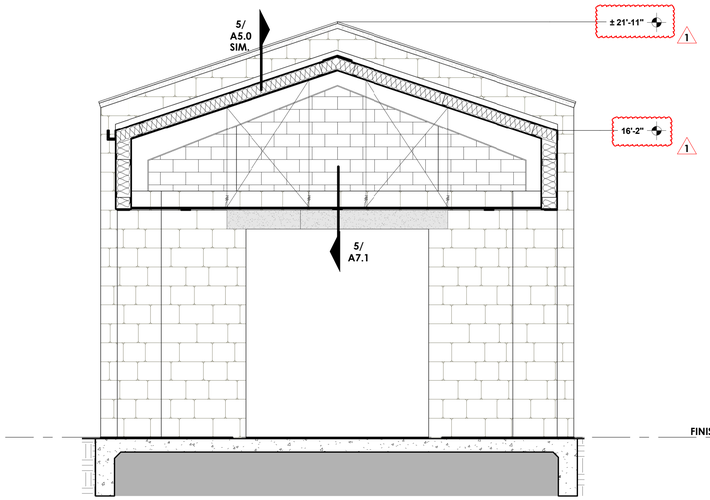
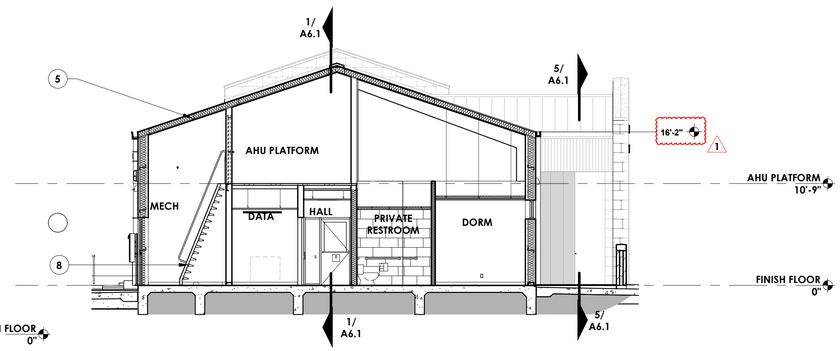
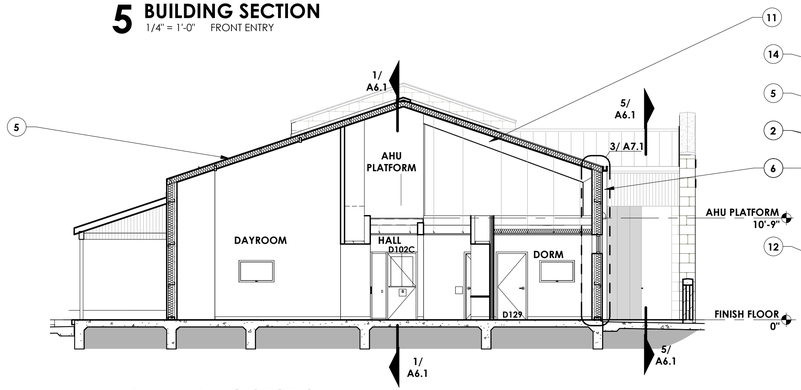


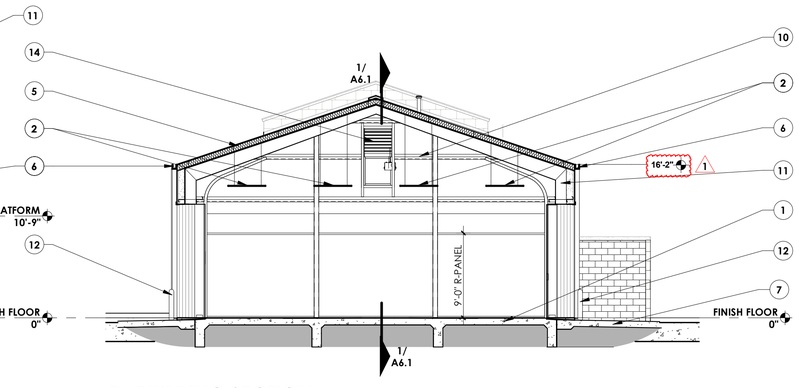


4 BUILDING SECTION
1/8" = 1'-0" AHU PLATFORM

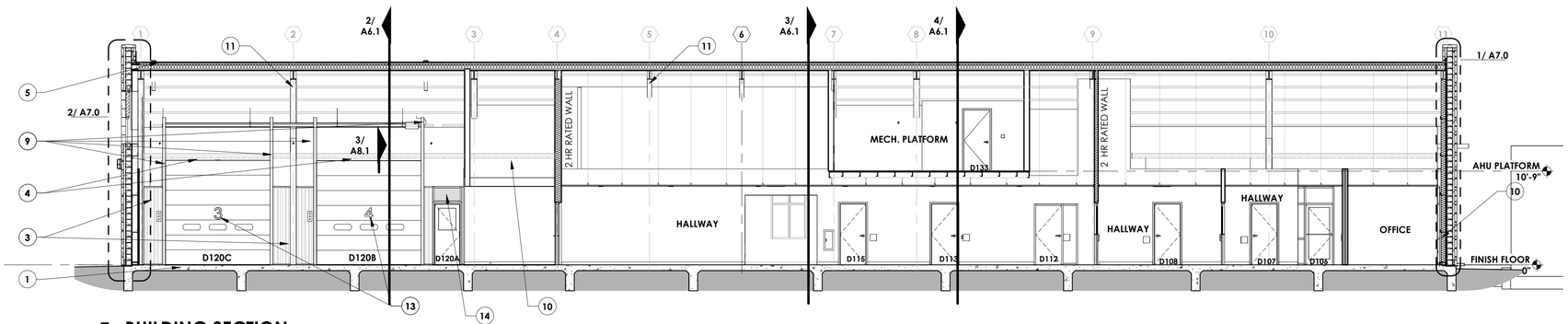
5 BUILDING SECTION
1/4" = 1'-0" FRONT ENTRY



3 BUILDING SECTION
1/8" = 1'-0" DAY ROOM



2 BUILDING SECTION
1/8" = 1'-0" EMS BAYS



1 BUILDING SECTION
1/8" = 1'-0"

KEYNOTES

1 REINFORCED CONCRETE APPARATUS BAY FOUNDATION WITH LIGHT BROOM FINISH / SLOPE SLAB 1% TO EXTERIOR / FINISH PER APPROVED MOCKUP

2 LIGHT FIXTURE / REFER TO MEP / TYP

3 24 GA. METAL R-PANELS / 9'-0" AFF / CONFIRM HEIGHT WITH PEMP WALL GIRT LOCATION

4 SECTIONAL OVERHEAD DOOR WITH AUTOMATIC OPENER AND CHAIN HOIST

5 24 GA. STANDING SEAM METAL ROOF

6 PREFINISHED METAL GUTTER AND DOWNSPOUTS / COLOR TBD BY OWNER

7 EINFORCED CONCRETE APRON

8 BC COMPLIANT PRE-ENGINEERED CARBON STEEL ALTERNATING TREAD DEVICE

9 OVERHEAD DOOR TRACK WITH HORIZONTAL "X" BRACING / TYP

10 METAL BUILDING GIRTS

11 PRE-ENGINEERED METAL BUILDING STRUCTURE / TYPICAL

12 6" DIA STEEL BOLLARD OFFSET 2'0" FROM WALL / REFER TO DETAILS

13 SELF ADHERED VINYL GRAPHICS / REFER TO DETAILS

14 EMS BAY VENTILATION FAN, LOUVER, AND DAMPER / REFER TO MEP DRAWINGS

100% CONSTRUCTION DOCUMENTS
BUILDING SECTIONS

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REGISTERED ARCHITECT
CORY W. HAWKINS
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STATE OF TEXAS
08.15.23

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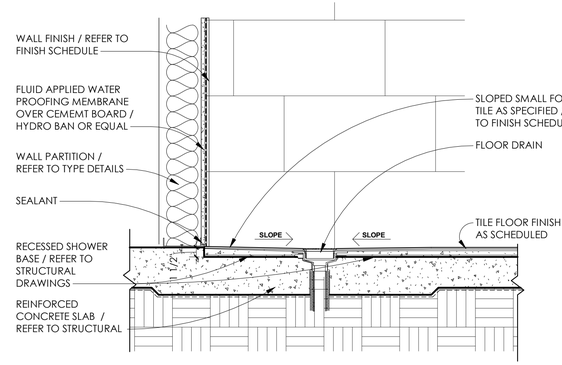
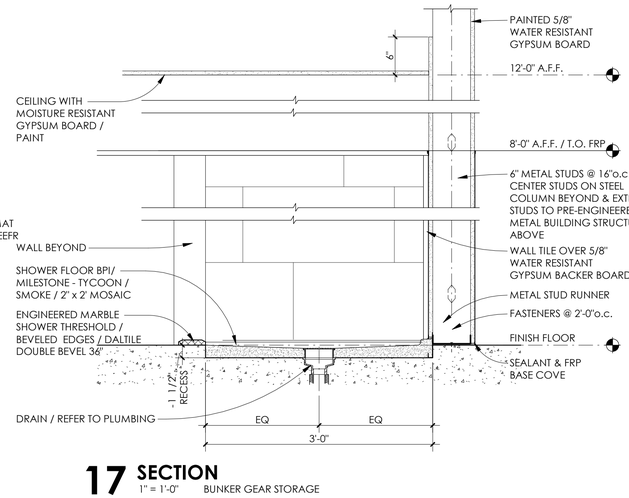
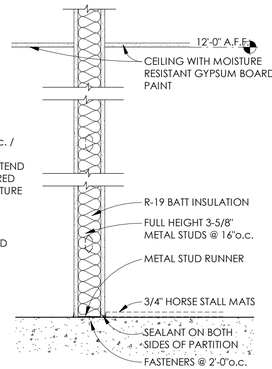


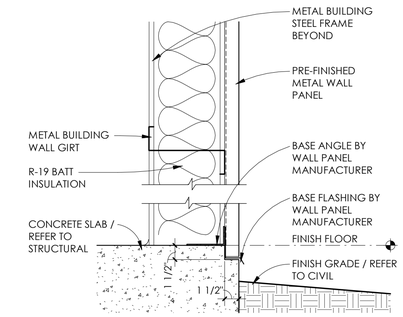
20 SECTION DETAIL
1" = 1'-0" @ TYPICAL SHOWER



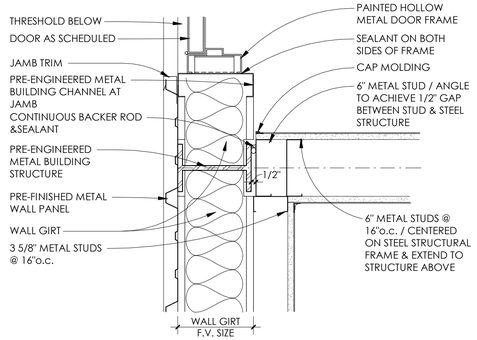
17 SECTION
1" = 1'-0" BUNKER GEAR STORAGE



16 SECTION
1" = 1'-0" EQUIPMENT ROOM / HALL



15 SECTION
1 1/2" = 1'-0" FLASHING @ WALL PANEL BASE



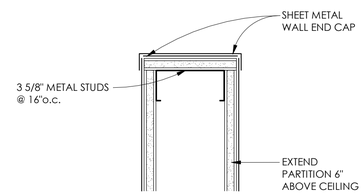
14 PLAN DETAIL
1 1/2" = 1'-0"

13 SECTION
1" = 1'-0" DEMARK

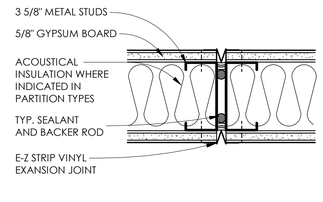
12 SECTION
1" = 1'-0" EQUIPMENT ROOM / BAY

5 SECTION
1" = 1'-0" BUNKER GEAR STORAGE

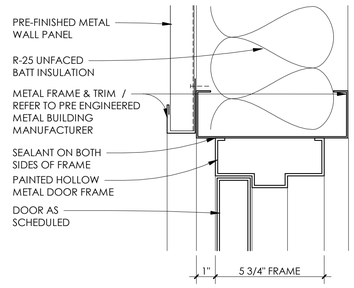
4 SECTION
1" = 1'-0" BUNKER STORAGE / BAY



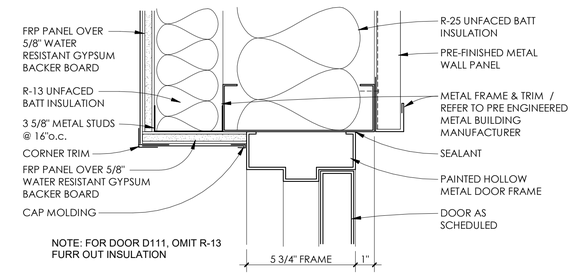
11 JAMB DETAIL
3" = 1'-0" CASED OPENING (HEAD SIMILAR)



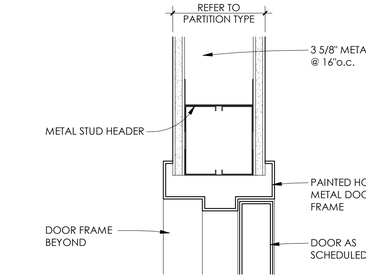
18 PLAN DETAIL
3" = 1'-0" DRYWALL CONTROL JOINT



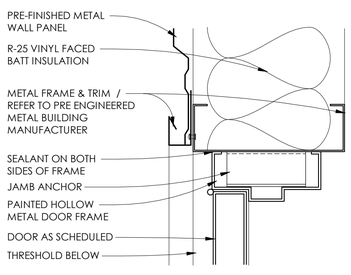
10 HEAD DETAIL
3" = 1'-0" AT DOOR D114 & D118



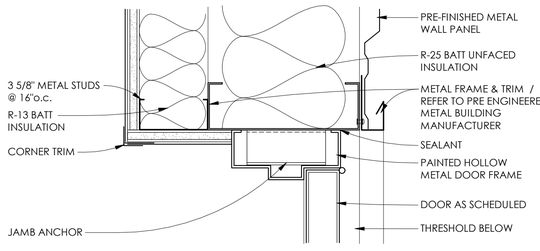
9 HEAD DETAIL
3" = 1'-0" AT DOORS D111, D101



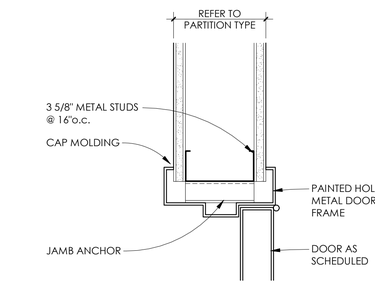
8 HEAD DETAIL
3" = 1'-0" INTERIOR DOOR



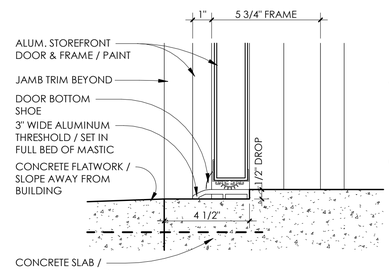
7 JAMB DETAIL
3" = 1'-0" AT DOOR D114 & D118



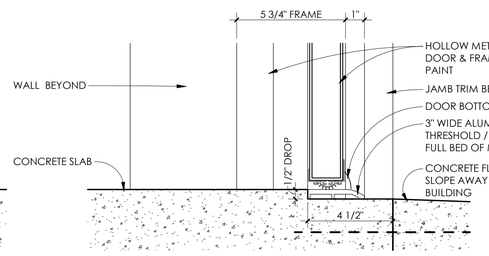
6 JAMB DETAIL
3" = 1'-0" AT DOORS D111, D101



3 JAMB DETAIL
3" = 1'-0" INTERIOR DOOR



2 THRESHOLD DETAIL
3" = 1'-0" AT DOOR D101, D106 & D117



1 THRESHOLD DETAIL
3" = 1'-0" AT DOOR D111, D114 , D118& D120A SIM.

100% CONSTRUCTION DOCUMENTS
DETAILS

architect

revisions
1 ADDENDUM #01 10.06.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
BOERNE, TEXAS 78006

KENDALL COUNTY

project number
22-41

date
08.15.23

Beaty Palmer Architects, Inc.
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San Antonio, Texas 78205
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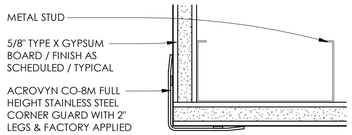
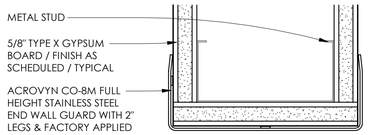
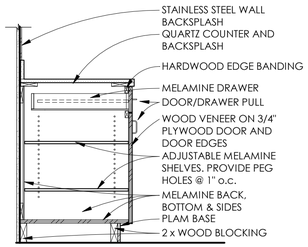


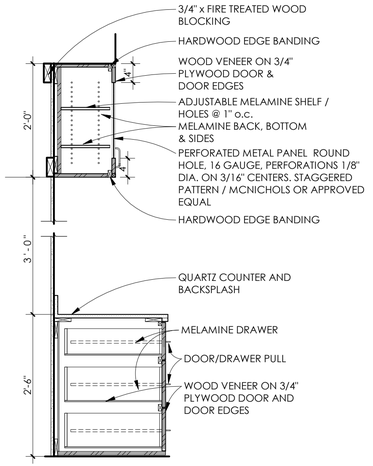
12 CORNER GUARD DETAIL
6" = 1'-0" TYPICAL CORNER GUARD DETAIL



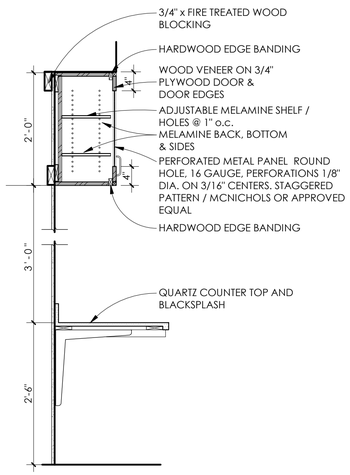
11 END WALL GUARD
6" = 1'-0" TYPICAL GYP. END WALL GUARD



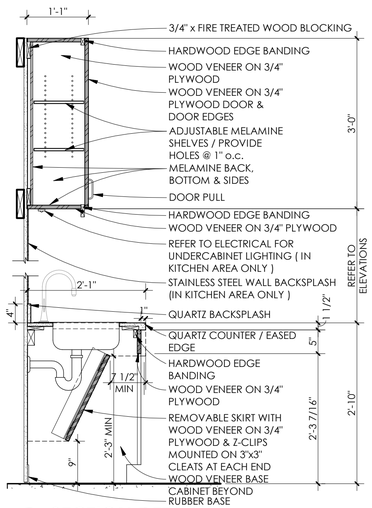
5 SECTION DETAIL
3/4" = 1'-0" CABINET W/ QUARTZ



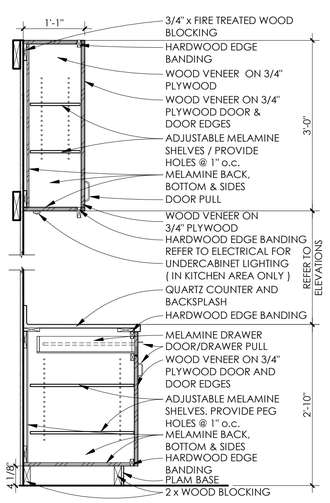
10 SECTION DETAIL
3/4" = 1'-0" WALL CABINET @ RADIO



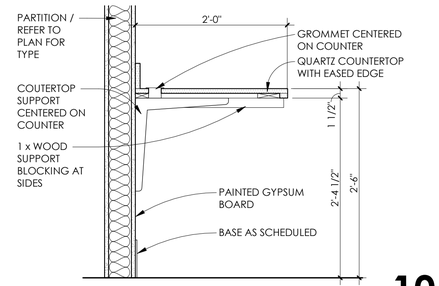
6 SECTION DETAIL
3/4" = 1'-0" WALL CABINET @ RADIO



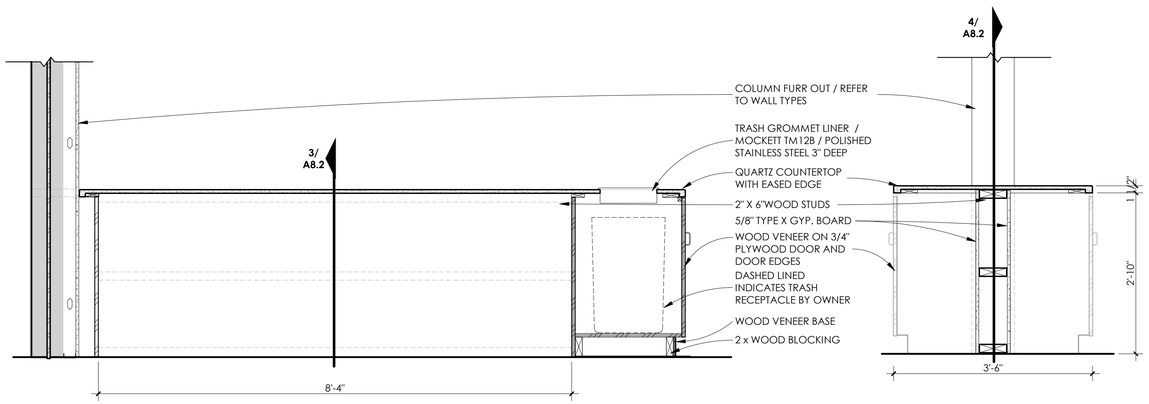
8 SECTION DETAIL
3/4" = 1'-0" SINK W/ QUARTZ



7 SECTION DETAIL
3/4" = 1'-0" TYPICAL CABINET

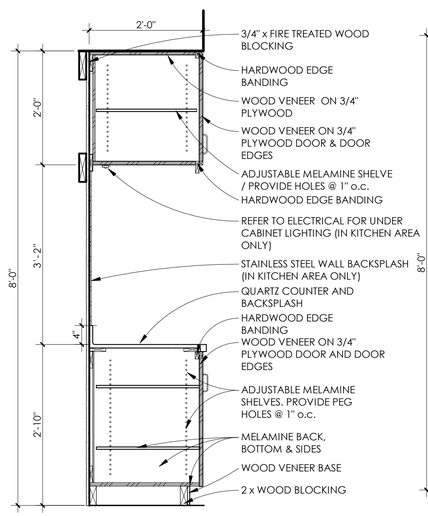


9 MILLWORK SECTION
1" = 1'-0" COUNTERTOP @ RADIO

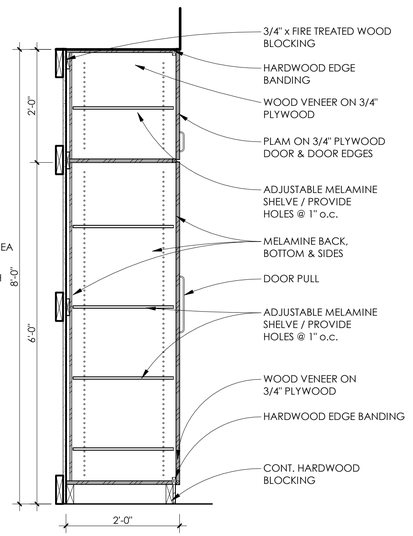


4 SECTION DETAIL
3/4" = 1'-0" KITCHEN ISLAND

3 SECTION DETAIL
3/4" = 1'-0" KITCHEN ISLAND



2 SECTION DETAIL
3/4" = 1'-0" KITCHEN PANTRY



1 SECTION DETAIL
3/4" = 1'-0" KITCHEN PANTRY

100% CONSTRUCTION DOCUMENTS
MILLWORK DETAILS

architect

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revisions
1 ADDENDUM #01 10.06.23

REGISTERED ARCHITECT GARY W. HAWKINS 20466 STATE OF TEXAS
08.15.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
BOERNE, TEXAS 78006

KENDALL COUNTY

project number
22-41
date
08.15.23

sheet number
A8.2
1

BEATY PALMER ARCHITECTS

4.805 ACRES
VOLUME 1594 PAGES 391-395
OFFICIAL RECORDS

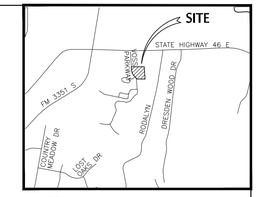
AREA GRADING 1
AREA GRADING 2
AREA GRADING 3
AREA GRADING 4
AREA GRADING 5
AREA GRADING 6
AREA GRADING 7

FFE: 1384.00

FUTURE RWH TANK

DETENTION POND

VOSS PARKWAY



AREA MAP
NTS

NORTH

LEGEND

- BOUNDARY (EA)
- LOT LINES
- EDGE OF PAVEMENT
- EASEMENT LINE
- 1375 EXISTING CONTOUR
- WIRE FENCE
- CABLE FENCE
- CHAINLINK FENCE
- OHE OVERHEAD ELECTRIC
- POWER POLE WITH GUY WIRE
- STORM SEWER MANHOLE
- LIGHT POST
- TRAFFIC SIGN
- WATER VALVE
- SET CONCRETE NAIL
  SET 1/2" IRON ROD WITH AN ORANGE "PFEIFFER SURVEY" PLASTIC CAP
- FOUND 1/2" IRON ROD WITH AN ORANGE "PFEIFFER SURVEY" PLASTIC CAP
- FOUND 1/2" IRON ROD
- 1505 TREE / DESCRIPTION

- ASPHALT PAVEMENT
- DETENTION POND
- CONCRETE

1

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SHEET TITLE

GRADING PLAN

CONSULTANT revisions

1 ADDENDUM NO.1 10-06-23

GRADING PLAN

SCALE: 1"= 20'-0"

NORTH

KEY NOTES

1. PROPOSED CONCRETE SIDEWALK. SEE CIVIL DETAILS.
2. PROPOSED CONCRETE FLUSH CURB. SEE CIVIL DETAILS.
3. PROPOSED STANDARD 6" CURB. SEE CIVIL DETAILS.
4. TYPICAL WHEEL STOP. SEE CIVIL DETAILS.
5. PROPOSED CONCRETE DRAIN. SEE SIDEWALK DETAIL.
6. TYPICAL 4" WHITE STRIPE. SEE SPECIFICATIONS.
7. PROPOSED SIDEWALK DRAIN BOX. SEE CIVIL DETAILS.

STATE OF TEXAS
CARL BAIN
56996
REGISTERED
PROFESSIONAL ENGINEER
10/6/2023

PREPARED BY:
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EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
BOERNE, TEXAS 78006

KENDALL COUNTY

project number 22-41
date

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sheet number C-5

BEATY PALMER ARCHITECTS

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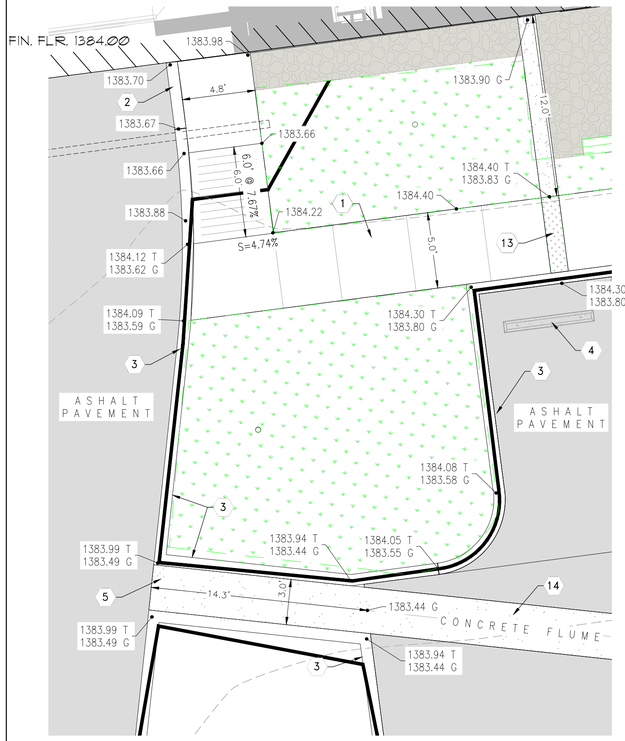
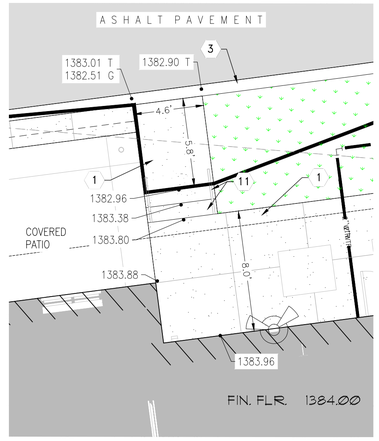


INSET AREA 1
SCALE: 1"= 5'-0"

INSET AREA 2
SCALE: 1"= 5'-0"



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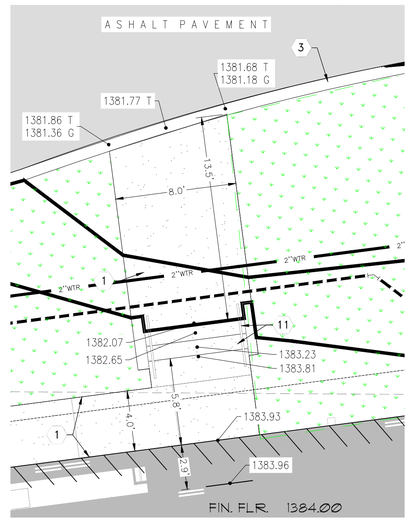
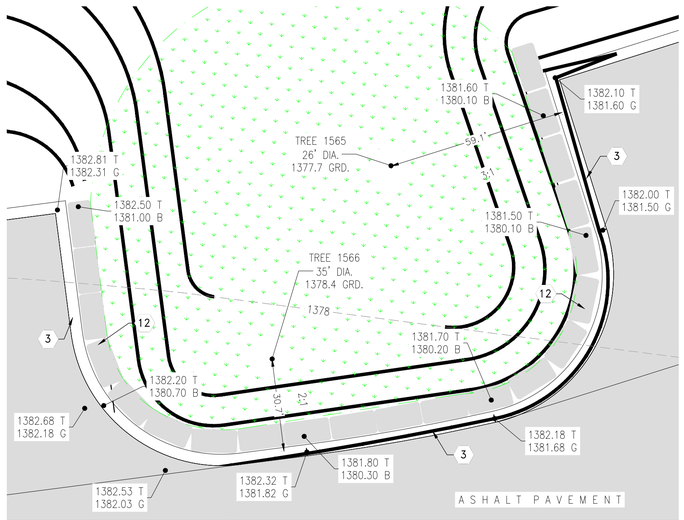


INSET AREA 4
SCALE: 1"= 5'-0"

KEY NOTES

1. PROPOSED CONCRETE SIDEWALK. SEE CIVIL DETAILS.
2. PROPOSED CONCRETE FLUSH CURB. SEE CIVIL DETAILS.
3. PROPOSED STANDARD 6" CURB. SEE CIVIL DETAILS.
4. TYPICAL WHEEL STOP. SEE CIVIL DETAILS.
5. PROPOSED CONCRETE DRAIN. SEE SIDEWALK DETAIL.
6. PROPOSED VAN ACCESSIBLE PARKING SIGN. SEE CIVIL DETAILS.
7. PROPOSED HANDICAP EMBLEM. SEE CIVIL DETAILS.
8. LIGHT DUTY CONCRETE WITH TOOLED CONTROLS/ REFER TO ARCHITECTUAL DETAILS. 1
9. TYPICAL 4" WHITE STRIPE. SEE SPECIFICATIONS.
10. PROPOSED SIDEWALK RAMP. SEE SIDEWALK DETAIL.
11. PROPOSED CONCRETE STEPS & HANDRAIL. SEE CIVIL DETAILS.
12. PROPOSED KEYSTONE ROCK RETAINING WALL. SEE ARCHITECTURAL DETAILS.
13. PROPOSED 12" SIDEWALK DRAIN BOX. SEE CIVIL DETAILS.
14. PROPOSED CONCRETE FLUME DRAIN. SEE CIVIL DETAILS.



INSET AREA 5
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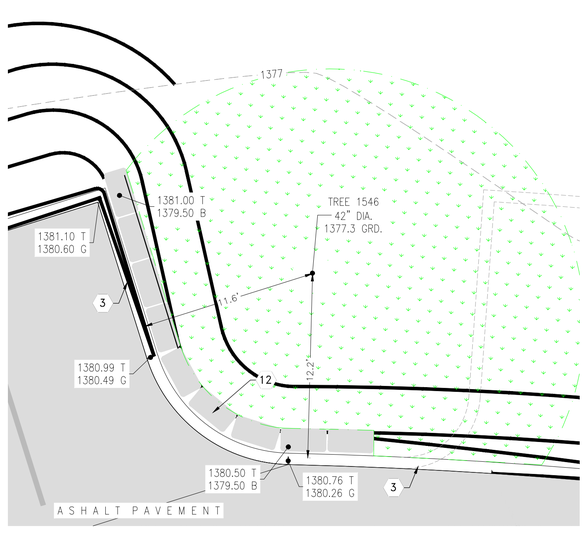

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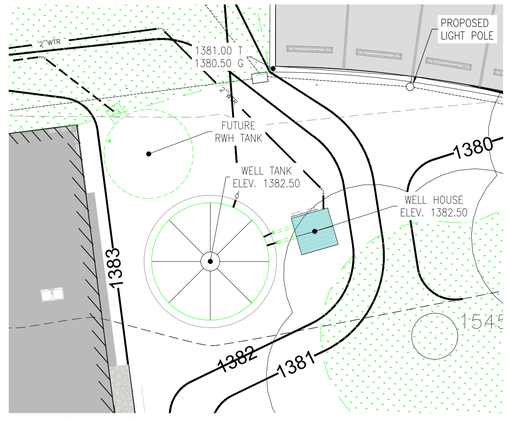

INSET AREA 7
SCALE: 1"= 10'-0"

STATE OF TEXAS
CARL BAIN
56996
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10/6/2023

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100% CONSTRUCTION DOCUMENTS

SHEET TITLE

AREA GRADING PLAN

CONSULTANT revisions

1 ADDENDUM No.1 10/06/23

EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
BOERNE, TEXAS 78006

KENDALL COUNTY

project number 22-41
date

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sheet number C-6

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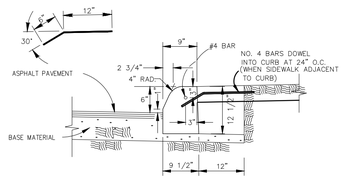
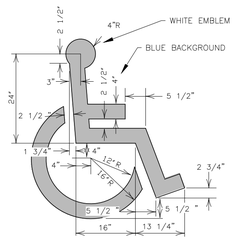
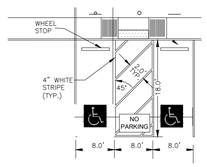


1. EXPANSION JOINTS AT 50'-0" AND SHALL EXTEND THE FULL DEPTH OF CURB.
2. DUMMY JOINTS SHALL BE 10' INTERVALS AND SHALL BE ½" DEEP THE FULL CURB PATTERN.
3. PROVIDE EXPANSION JOINT AT ALL CURB TIE-INS.
4. ALL CONCRETE SHALL BE CLASS "A" CONCRETE 3000 PSI IN 28 DAYS.

1 STANDARD 6" CONCRETE CURB DETAIL N.T.S.

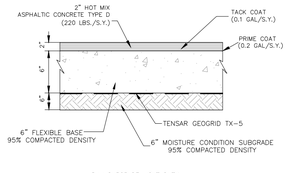


2 HANDICAP SYMBOL DETAIL N.T.S.

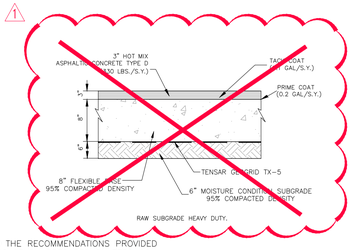


1. PAINT STRIPE SHALL BE 4" WHITE AND 8'-0" O.C. SEE PROJECT SPECIFICATIONS.
2. PRECAST WHEEL STOP 6"x5" AMERICAN No. CB06 OR APPROVED EQUAL.
3. WHEEL STOP SHALL BE CENTERED IN PARKING STALL AND SET 2.0' FROM CURB.

3 TYPICAL PARKING STRIPE DETAIL N.T.S.



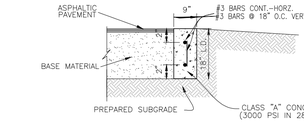
RAW SUBGRADE LIGHT DUTY



RAW SUBGRADE HEAVY DUTY.

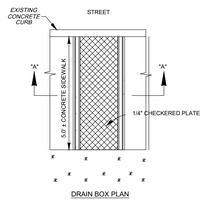
PAVEMENT SECTION CONFORMS TO THE RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL ENGINEERING STUDY PREPARED BY TERRACON INC. PROJECT NO. 90235101 DATED MAY 12, 2023.

4 PAVEMENT SECTION N.T.S.

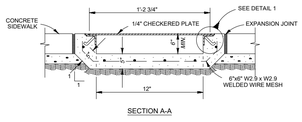


1. DUMMY JOINTS SHALL BE 10' INTERVALS AND SHALL BE ½" DEEP THE FULL CURB PATTERN.
2. PROVIDE EXPANSION JOINT AT ALL CURB TIE-INS.

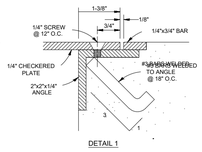
5 CONCRETE FLUSH CURB DETAIL N.T.S.



DRAIN BOX PLAN

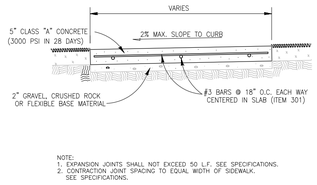


SECTION A-A



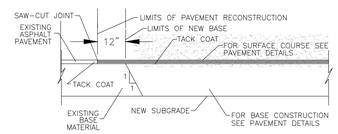
DETAIL 1

6 SIDEWALK DRAIN BOX DETAIL N.T.S.

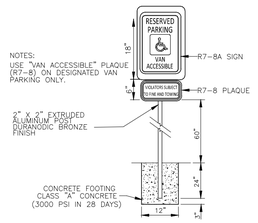


NOTE:
1. EXPANSION JOINTS SHALL NOT EXCEED 50 L.F. SEE SPECIFICATIONS.
2. CONTRACTION JOINT SPACING TO EQUAL WIDTH OF SIDEWALK. SEE SPECIFICATIONS.

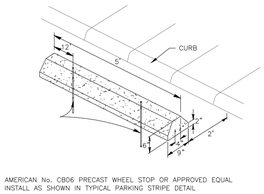
7 CONCRETE SIDEWALK DETAIL N.T.S.



8 PAVEMENT JUNCTION DETAIL N.T.S.

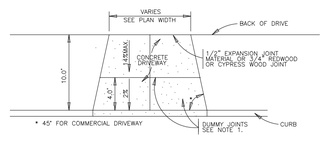


9 HANDICAP SIGN DETAIL N.T.S.



1. AMERICAN No. CB06 PRECAST WHEEL STOP OR APPROVED EQUAL INSTALL AS SHOWN IN TYPICAL PARKING STRIPE DETAIL

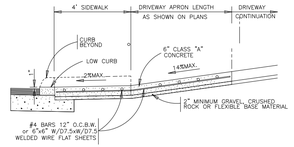
10 TYPICAL WHEEL STOP N.T.S.



TYPICAL DRIVEWAY PLAN VIEW
WITH SIDEWALK ABUTTING CURB

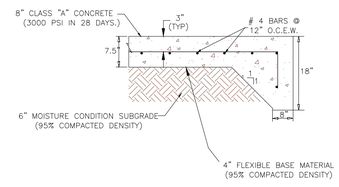
1. DUMMY JOINTS PARALLEL TO THE CURB SHALL BE PLACED WHERE THE SIDEWALK MEETS THE DRIVEWAY. DUMMY JOINTS PERPENDICULAR TO THE CURB, AND WITHIN THE BOUNDARIES OF THE PARALLEL DUMMY JOINTS, SHALL BE PLACED AT INTERVALS EQUAL TO THE WIDTH OF THE SIDEWALK.
2. ALL CONCRETE SHALL BE CLASS "A" CONCRETE 3000 PSI IN 28 DAYS.

CONCRETE DRIVEWAY NOTES



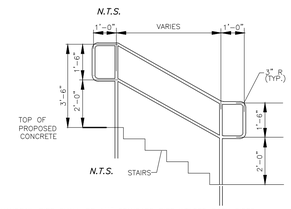
TYPICAL DRIVEWAY SECTION
WITH SIDEWALK ABUTTING CURB

11 CONCRETE DRIVEWAY DETAIL N.T.S.



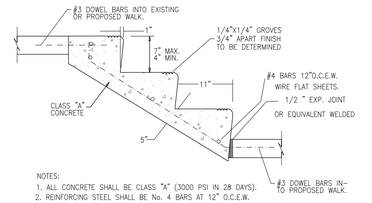
PAVEMENT SECTION CONFORMS TO THE RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL ENGINEERING STUDY PREPARED BY TERRACON INC. PROJECT NO. 90235101 DATED MAY 12, 2023.

12 DUMPSTER PAD DETAIL N.T.S.



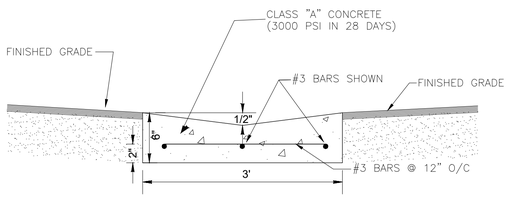
1. HANDRAIL PIPE SHALL BE 1½" STANDARD PIPE WELDED BOTH SIDES. GRIND ALL WELDS SMOOTH.
2. PLACE STEPS TO CONFORM WITH PROPOSED GRADING PLAN.
3. PROVIDE PRIMER AND PAINT IN ACCORDANCE WITH SPECIFICATIONS.

13 HANDRAIL SIGN DETAIL N.T.S.



NOTES:
1. ALL CONCRETE SHALL BE CLASS "A" (3000 PSI IN 28 DAYS).
2. REINFORCING STEEL SHALL BE No. 4 BARS AT 12" O.C.E.W.
3. FLOAT AND TROWELL TO A UNIFORM SMOOTH SURFACE.

14 CONCRETE STEPS DETAIL N.T.S.



15 CONCRETE FLUME N.T.S.

100% CONSTRUCTION DOCUMENTS

SHEET TITLE

CIVIL DETAILS

CONSULTANT revisions

1 ADDENDUM No.1 10/06/23

STATE OF TEXAS
CARL BAIN
56996
REGISTERED
PROFESSIONAL ENGINEER
10/6/2023

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EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
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KENDALL COUNTY

project number 22-41
date

sheet number C-13

Beaty Palmer Architects, Inc.
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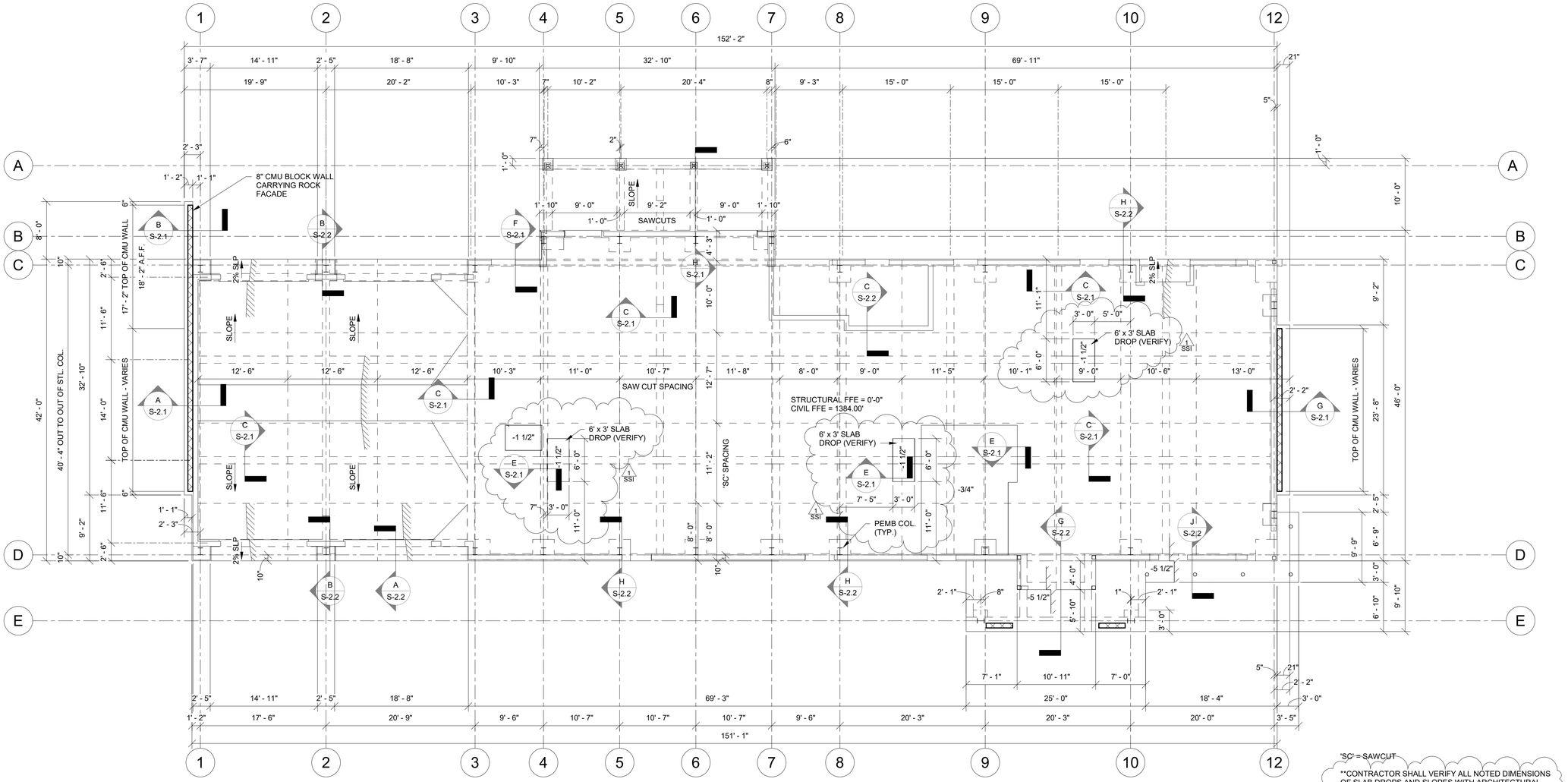
BEATY PALMER ARCHITECTS

Date: Oct 05, 2023, 4:06pm User ID: RAndina
File: W:\Work\C-163.1 Kendall County EMS Station No. 3 - BPA\Design\Civil\Construction Documents\C-13 CIVIL DETAILS.dwg



1 Foundation Plan
1/8" = 1'-0"

Structural Steel

1) Rolled steel angles, plates, and bars shall be structural quality complying with ASTM A-36 (fy=36 ksi). Rolled steel shapes shall be structural quality carbon steel complying with ASTM A-36/A50 dual grade complying with ASTM A992 grade 50.

2) Structural steel tubular products shall be cold formed structural quality carbon steel, welded or seamless, complying with ASTM A500, Gr. C. Alternate options of acceptable ASTM grades for steel tubular products are ASTM A501 Gr. B, or ASTM A1085 Gr. A.

3) Inspection of Fabricators (IBC Chapter 1704.2.5). The fabricator shall submit to the RDPiRC with a copy to the owner and the general contractor a certificate of compliance stating that he fabricated his work either under the inspection services of a special inspector or under the inspection services of his nationally recognized trade organization that requires quality control inspections.

4) Fabricate and erect all structural steel according to the drawings and as AISC Manual of Steel Construction recommends.

5) Prime paint all structural steel with 1.0 to 1.5 mil dry film thickness Alkyd Primer or equal, except for plates embedded in concrete. Paint shall be in compliance with industry standards. Refer to joists section for paint on joists. Contractor shall cooridinate with building owner if composite joists require prime paint after joist construction is completed.

6) Headed stud type concrete anchors (HCA) shall conform to the requirements of ASTM A 108-58T low carbon steel and shall be fastened according to manufacturer's recommendations. For beams supporting composite decks, shear studs shall be spaced at 20" maximum unless noted otherwise.

7) Weld according to the drawings requirements and as recommended by applicable AWS specifications. All welds are 1/4" single pass fillet welds unless noted otherwise.

Metal Stud Framing

1) All lightgage structural framing members, studs, track, joists, bridging, and loadbearing studs shall be of the type and size as noted below and shall be manufactured by Clark-Dietrich Industries, Inc. or equivalent and shall be designed in accordance with AISI "Specification for the Design of Cold Formed Steel Structural Members".

2) All lightgage material shall be formed from hot dipped galvanized steel G-60 coating, meeting ASTM Specification A525 and C64.5. Grades as follows:
   16 gage and heavier Grade D (min 50 KSI yield)
   18 gage and lighter Grade B (min 33 KSI yield)

3) Tracks shall be securely anchored to floor and overhead structure as shown and studs shall be seated squarely in track, plumbed or aligned, and attached with 1/4" - 14 x 3/4" Hex Washer Head Screws.

4) Splices in axially loaded studs and roof joists will not be permitted. Purlins shall bear directly on studs as shown.

5) Mechanical platform joists shall be supplied with bridging located at midspan for spans greater than 14' and at third points on spans greater than 25'. Bridging shall consist of standard V-bridging continuous at top and bottom chord perpendicular to joists. Attach bridging with screws at joist and with "Ramset" powder actuated fasteners at concrete wall panels. Add solid bridging between last two joists, screwed to joists & ramset to wall with 2" x 2" x 14 ga. Clip angle.

6) Bracing for non-loadbearing studs shall consist of 1 row of continuous V-Bridging at the unsheathed face attached to each stud with screws located at midheight. In addition, place solid bridging between studs every 20'-0" o.c. max. spacing. Bracing for loadbearing studs shall be as detailed. (Wheeling Bridging Clip & CR Channel may be substituted if installed as per manufacturer's recommendations.)

7) Provide 1/2" gap between track and stud with sliding connection at top of all non-loadbearing walls to allow for the deflection of the roof structure.

   Provide standard Verti-Clip (or equal) at all exterior non-load bearing metal studs spanning from foundation to roof parapet and by-passing roof framing.

8) Submit for review shop drawings before fabrication and/or delivery, clearly indicating the name of the project, name of supplier, name of the product manufacturer, physical properties of the steel sections provided, and allowable yield stress for the material provided. For cold-formed steel framing not specifically engineered and detailed in these Structural Drawings, Contractor shall submit shop drawings and calculations to both the Owner, Architect, and Engineer of Record. These drawings shall be signed and sealed by an Engineer registered in the State of Texas.

Pre-Engineered Metal Building - Any non signed and sealed submittals will not be reviewed.

1) Metal buildings shall be designed and fabricated under the direct supervision of a licensed Professional Engineer. Manufacturer shall meet the membership application requirements of MBMA. Any non-signed and sealed submittals will not be reviewed.

2) Inspection of Fabricators (IBC Chapter 1704.2.5). The fabricator shall submit to the RDPiRC with a copy to the owner and the general contractor a certificate of compliance stating that he fabricated his work either under the inspection services of a special inspector or under the inspection services of his nationally recognized trade organization that requires quality control inspections.

3) Limit the metal building design drift to no more than the allowable deflection limitations of back-up the components that are specified by the building code for the veneer systems supported by the metal building structure.

4) Building frame resistance for lateral loads shall be designed so that columns do not transfer moment into the foundation.

5) Provide a statement/letter by the design engineer stating that the structural design of the metal building is in compliance with the specified code requirements. This letter shall be signed and sealed by the Metal Building System Engineer who is a Registered Professional Engineer in the state of Texas. Any non-signed and sealed submittals will not be reviewed.

6) Inspect high-strength bolt tightening as required by the Building Code.

7) Submit a written statement with a copy directly to the Structural Engineer at the completion of the Part of the Project summarizing the tests/inspections performed and the compliance of the test results/items inspected with the specified requirements.

8) Framing fabrication shall be fabricated members in accordance with AISC Specifications for plate, bar, tube, or rolled structural shapes. Framing member finish shall be cleaned and shop primed.

9) Anchor bolts shall be unprimed, ASTM A 193 Grade B-7 or ASTM F-1554 Grade 105 or equivalent all thread; diameter and quantity as specified by the metal building manufacturer, length to be determined by the Structural Engineer after signed and sealed metal building submittals have been reviewed.

10) Wall girt, roof rafter and column flange brace locations shall not be located below the interior finish out ceiling height. Coordinate ceiling elevations with Architectural drawings.

11) Coordinate structural engineer's review, the building official inspection and the special inspector inspection and testing services.

    The Building Official shall inspect the primary structural framing. The Building Official may accept a review by a licensed professional engineer in place of the Building Official conducting his inspection. (IBC Chapter 110.3.4)

    The special inspector (SI) shall inspect bolted connections according to AISC specifications. (IBC Chapter 1705.2)

    The special inspector (SI) shall inspect the steel frame to verify compliance with the details shown on the approved construction documents, such as bracing, stiffening, member locations and proper application of joint details at each connection. (IBC Chapter 1705.2)

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100% CONSTRUCTION DOCUMENTS

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STATE OF TEXAS
MIKE BRATTEN
121512
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PROFESSIONAL ENGINEER

revisions
ADDENDUM 01 (SSI-1)

10/3/2023
AXIS PROJECT #22323-0

EMERGENCY MEDICAL SERVICES STATION NO. 3

40 VOSS PARKWAY
BOERNE, TEXAS 78006

project number
22-41
date
08.15.23

STATE OF TEXAS
REGISTERED
ARCHITECT

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sheet number
S-1.1

BEATY PALMER ARCHITECTS

SPLIT SYSTEM CONDENSING UNITS / FAN COILS SCHEDULE

OUTDOOR UNIT (COOLING ONLY)												INDOOR FAN COIL																
TAG	SERVICE	EQUIPMENT CONFIGURATION				ELECTRICAL REQUIREMENTS				MANUFACTURER	MODEL NUMBER	WEIGHT	TAG	LOCATION	SERVICE	COOLING				ELECTRIC HEATING	FAN SUPPLY AIRFLOW (*CFM*)	FAN OUTSIDE AIRFLOW (*CFM*)	EXTERNAL STATIC PRESSUE (*IN WC*)	MOTOR SIZE (HP)	ELECTRICAL REQUIREMENTS			MANUFACTURER	MODEL NUMBER	WEIGHT (LBS)	NOTES
		DX TYPE	TOTAL COOLING CAPACITY (*MBH*)	REFRIGERANT TYPE	OUTSIDE AMBIENT TEMP. (*DEG F BD*)	MCA (*AMPS*)	MOCP (*AMPS*)	SEER	VOLT/PH/HZ							ENTERING AIR TEMP (DEG F DB / WB)	LEAVING AIR TEMP (DEG F DB / WB)	TOTAL COOLING CAPACITY (*MBH*)	SENSIBLE COOLING CAPACITY (*MBH*)	TOTAL HEATING CAPACITY (KW)					MCA (*AMPS*)	MOCP (*AMPS*)	VOLT/PH/HZ				
CU-1	FCU-1	COOLING	26.9	R-410A	105	15.3	25	14.50	208/1/60	Guardian	RAC13430B21S	130.0	FCU-1	MEZZANINE	KITCHEN	82.0 / 66.6	58.5 / 56.1	26.9	20.9	10.8	825	200	0.5	0.5	69.7	70	208/1/60	Guardian	RFCB30DBAEMP2N1	100.0	ALL
CU-2	FCU-2	COOLING	50.9	R-410A	105	34.3	60	13.00	208/1/60	Guardian	RAC13L60B23S	165.0	FCU-2	MEZZANINE	DORM	81.6 / 66.4	57.2 / 55.5	50.9	40.1	10.8	1520	350	0.7	0.5	68.4	70	208/1/60	Guardian	MP14DN21	153.0	ALL
CU-3	FCU-3	COOLING	32.7	R-410A	105	19.9	30	13.00	208/1/60	Guardian	RAC13L36B21S	130.0	FCU-3	MEZZANINE	OFFICES	80.0 / 65.5	57.0 / 54.7	32.7	24.9	7.2	1000	175	0.66	0.5	49.26	50	208/1/60	Guardian	RFCX36BP12MP22	113.0	ALL
CU-4	FCU-4	COOLING	42.8	R-410A	105	24	40	14.75	208/1/60	Guardian	RAC14348B21S	215.0	FCU-4	MEZZANINE	TRAINING	79.3 / 65.1	56.5 / 54.4	42.8	32.7	10.8	1325	200	0.5	0.75	71.7	80	208/1/60	Guardian	RFCC48GBCEMP2N1	125.0	ALL

NOTES:
1. PROVIDE OUTSIDE UNIT WITH HAIL GUARD.
2. PROVIDE 2" FILTER RACKS SIZED TO FIT PER MANUFACTURER'S RECOMMENDATION.
3. ROUTE REFRIGERANT PIPING FROM CONDENSING UNITS AND RISE UP IN MECHANICAL ROOM. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO COORDINATE ANY REQUIRED OIL TRAPS AND OTHER REFRIGERANT PIPING APPURTENANCES WITH MANUFACTURER.
4. PROVIDE SINGLE POINT POWER CONNECTION FOR FAN COIL UNIT (ELECTRIC HEAT SHALL NOT REQUIRE SEPARATE CONNECTION). PROVIDE SEPARATE SINGLE POINT POWER CONNECTION FOR CONDENSING UNIT.
5. PROVIDE SMOKE DETECTORS AND LOCATE PER LATEST ADOPTED CODE.
6. PROVIDE UNIT WITH FACTORY CONTROLS AND 7-DAY PROGRAMMABLE THERMOSTAT, RE: MECHANICAL CONTROLS SHEET.
7. INDOOR UNIT SHALL BE FULLY MAINTAINABLE FROM ONE SIDE (FROM FRONT).
8. EQUIPMENT MUST MEET ALL APPLICABLE CODES AND ENERGY EFFICIENCY STANDARDS.
9. PROVIDE RAWAL APR VALVE.

EXHAUST FAN SCHEDULE

TAG	SERVICE	LOCATION	TYPE	CONTROL	FAN DATA						SOUND LEVEL (SONES)	UNIT PHYSICAL DATA				MANUFACTURER	MODEL	NOTES
					AIR FLOW (CFM)	EXT SP (IN WG)	DRIVE TYPE	FAN (RPM)	MOTOR (HP)	VOLT/PH/HZ		WIDTH (IN)	LENGTH (IN)	HEIGHT (IN)	OPERATING WEIGHT (LBS)			
EF-1	EMS BAY	WALL	PROP	TEMP / HUMID / CO2 / NO2	1,200	0.25	DIRECT	1,248	1/2	115/1/60	12.7	27.5"	4.5"	27.5"	175	GREENHECK	AER-20-VG	7,8,9,10,11
EF-2	DECON ROOM	CEILING	CEILING	WALL SWITCH	200	0.33	DIRECT	735	128W	115/1/60	1.4	14"	11.5"	7"	11	GREENHECK	SP-B80	1,2
EF-3	BATH ROOM	CEILING	CEILING	LTG OCC SENSOR	100	0.33	DIRECT	735	128W	115/1/60	1.4	14"	11.5"	7"	11	GREENHECK	SP-B80	3,4
EF-4	BATH ROOM	CEILING	CEILING	LTG OCC SENSOR	100	0.33	DIRECT	735	128W	115/1/60	1.4	14"	11.5"	7"	11	GREENHECK	SP-B80	3,4
EF-5	PUBLIC RESTROOM	CEILING	CEILING	LTG OCC SENSOR	75	0.33	DIRECT	735	128W	115/1/60	1.4	14"	11.5"	7"	11	GREENHECK	SP-B80	3,4
EF-6	PVT RESTROOM W/ SHOWER	CEILING	CEILING	LTG OCC SENSOR	100	0.33	DIRECT	735	128W	115/1/60	1.4	14"	11.5"	7"	11	GREENHECK	SP-B80	3,4
EF-7	LAUNDRY ROOM	CEILING	CEILING	FCU-1 INTERLOCK	100	0.33	DIRECT	735	128W	115/1/60	1.4	14"	11.5"	7"	11	GREENHECK	SP-B80	4
BF-1	CLOTHES DRYER	INLINE	INLINE	PRESSURE SENSING	167	0.30	DIRECT	2,175	1/6	115/1/60	.	9.75"	9.75"	11.75"	7	FANTECH	DFB-110	5,6

NOTES:
1. PROVIDE W/ 8" ROUND ALUMINUM WALL CAP WITH INTEGRAL GRAVITY BACKDRAFT DAMPER AND BIRDSCREEN, GREENHECK WC-6 OR EQUAL.
2. PROVIDE WITH WALL MOUNTED ON/OFF SWITCH, SEPARATE FROM LIGHT SWITCH.
3. INTERLOCK EXHAUST FAN W/ LIGHTING OCCUPANCY SENSOR SERVING SPACE. REFER TO ELECTRICAL.
4. PROVIDE W/ 6" ROUND ALUMINUM WALL CAP WITH INTEGRAL GRAVITY BACKDRAFT DAMPER AND BIRDSCREEN, GREENHECK WC-6 OR EQUAL.
5. ALL PARTS IN AIRSTREAM SHALL BE PLASTIC. MOTOR SHALL BE OUTSIDE OF AIRSTREAM.
6. PROVIDE BOOSTER FAN ONLY IF EQUIVALENT DUCT LENGTH IS NOT WITHIN DRYER MANUFACTURER'S REQUIREMENTS.
7. PROVIDE WITH PRE-WIRED DISCONNECT.
8. PROVIDE A PERSONNEL GUARD. REFER TO DETAIL.
9. PROVIDE W/SLEEVED WALL PENETRATION AND AND WALL MOUNTED EXHAUST HOOD WITH BIRDSCREEN.
10. PROVIDE W/ SPEED CONTROLLER, VARI-FLOW AIR KIT.
11. PROVIDE W/ THERMOSTAT, HUMIDISTAT, AND CONTROLS TO INTERLOCK WITH THE CO AND NO2 GAS DETECTION SYSTEM AND PERFORM ALL FUNCTIONS IN THE CONTROLS SEQUENCE. COORDINATE WITH GAS DETECTION SYSTEM VENDOR.

ELECTRIC UNIT HEATER SCHEDULE

TAG	SERVICE	TYPE	CAPACITY (KW)	VOLT / PH	MANUFACTURER	MODEL	WEIGHT	NOTES
EUH-1	DECON	CEILING	1.5	120 / 1	MARKEL	E3383D-RP	22	1,2,6,7,8
EUH-2	YARD STORAGE	PROPELLOR	3.3	208 / 1	MARKEL	E15103N	35	1,2,3,4,5
EUH-3	WELL HOUSE	WALL MOUNT	0.5	120/1	BERKO	WHT500	6	1,2,3,4,5,9

NOTES:
1. ALL COMPONENTS SHALL BE DESIGNED TO WITHSTAND THEIR SERVICE ENVIRONMENT.
2. INSTALL UNIT TO MAINTAIN CLEARANCES REQUIRED BY EQUIPMENT MANUFACTURER.
3. PROVIDE WITH MANUFACTURER'S STANDARD MOUNTING BRACKET.
4. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR MOUNTING HEIGHT.
5. PROVIDE WITH INTERNAL UNIT THERMOSTAT. SET TO OPERATE WHEN ROOM TEMPERATURE IS BELOW 45 DEG. F.
6. PROVIDE UNIT WITH ADJUSTABLE WALL-MOUNTED THERMOSTAT. SET TO 45 DEG F.
7. PROVIDE WITH MANUFACTURER'S STANDARD MOUNTING KIT FOR SURFACE OR LAY-IN CEILING AS APPLICABLE.
8. ACCESS PANEL TO BE PROVIDED BY ARCHITECT IF NOT ACCESSIBLE THROUGH LAY-IN CEILING.
9. REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC LOCATION AND INSTALL PER MANUFACTURER'S INSTRUCTIONS, MAINTAINING ALL CLEARANCES

AIR DEVICE SCHEDULE

TAG	SELECTION REFERENCED IS TITUS MODEL (U.N.O)	SUPPLY	RETURN	EXHAUST	MODULE SIZE (IN)	THROW FT. (@100 FPM)	CFM RANGE	INLET SIZE (IN)	# SLOTS	P.D. (" WG)	MAX N.C.	MATERIAL	NOTES
A	OMNI-AA	X			24" X 24"	3	10-120	6" Ø	-	0.04	12	ALUMINUM	1,2,4,5
B	OMNI-AA	X			12" X 12"	5	10-120	6" Ø	-	0.04	12	ALUMINUM	1,2,4,5
C	OMNI-AA	X			24" X 24"	5	121-240	8" Ø	-	0.03	12	ALUMINUM	1,2,4,5
D	OMNI-AA	X			24" X 24"	6	220-330	10" Ø	-	0.06	12	ALUMINUM	1,2,4,5
E	OMNI-AA	X			24" X 24"	8	331-450	12" Ø	-	0.08	12	ALUMINUM	1,2,4,5
F	300FL	X			13.75" X 13.75"	30	0-525	12" X 12"	-	0.06	22	ALUMINUM	1,2,4,5
G	300FL	X			13.75" X 9.75"	24	0-340	12" X 8"	-	0.06	20	ALUMINUM	1,2,4,5
H	300FL	X			7.75" X 7.75"	14	0-115	6" X 6"	-	0.06	15	ALUMINUM	1,2,4,5
J	350FL		X		25.75" X 15.75"	-	0-1125	24" X 14"	-	0.05	14	ALUMINUM	1,2,5
K	350FL		X		17.75" X 17.75"	-	0-810	16" X 16"	-	0.05	14	ALUMINUM	1,2,5
L	50F		X		24" X 24"	-	0-3000	22" X 22"	-	-	-	ALUMINUM	1,2,3,4,5

NOTES:
1. P.D. (" W.G.) IS AT MAX CFM.
2. FURNISH AND INSTALL AIR DEVICE WITH LAY IN BORDER-FRAME FOR LAY IN CEILINGS OR SURFACE MOUNTING FRAME FOR MOUNTING IN GYP. BOARD CEILING, WALL OR ON DUCT.
3. PROVIDE WITH 1/2"X1/2X1/2" ALUMINIUM CORE.
4. FURNISH CABLE OPERATED VOLUME DAMPER FOR FOR NON ACCESSIBLE GYP CEILINGS OR WALL INSTALLATIONS. VOLUME DAMPERS SHALL BE ADJUSTABLE WITH STANDARD TOOLS. PROVIDE POSITIVE POSITIVE BALANCING TO MAINTAIN DESIGN AIR FLOW AND NOISE CRITERIA.
5. TRANSITION AS REQUIRED TO THE INLET SIZE OF THE AIR DEVICE, DUCT SIZES ARE SHOWN ON THE DRAWINGS WHERE THE AIR DEVICES ARE DUCTED.

PROPANE GAS RADIANT UNIT HEATER SCHEDULE

TAG	SERVICE	TYPE	CAPACITY (MBH)	STAGES	TUBE LENGTH (FT)	INLET GAS PRESSURE (IN W.G.)	VOLT/PH/HZ	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
IUH-1	EMS BAY	CEILING	100.0	2	30	11-14	120/1/60	100	REZNOR	VPT100	ALL

NOTES:
1. COLOR BY ARCHITECT.
2. PROVIDE W/ ADJUSTABLE, WALL MOUNTED, 2-STAGE THERMOSTAT.
3. PROVIDE HANGER KIT.
4. PROVIDE WITH SINGLE TUBE HEAT EXCHANGER W/ REFLECTOR.
5. PROVIDE UNIT W/PROPANE CONVERSION KIT.
6. PROVIDE WALL MOUNTED SWITCH ADJACENT TO OR INTEGRAL TO THERMOSTAT TO SHUT UNIT OFF.

LG - COOLING ONLY SPLIT SYSTEM SCHEDULE

MARK	MODEL #	Manufacturer	Piping Limits		Unit Type	NOMINAL TONS	CFM	SEER	VOLT-PH	MCA	MOP	WEIGHT	NOTES
MSCU-1	LSU120HSV5	LG	Total	Vertical	Outdoor	1	N/A	21	208/230-1	10	15	75	1-8
MSIU-1	LSN120HSV5		82	49.2	Wall Mounted		282 / 233 / 177		Fed from outdoor unit			24	

NOTES:
1. PROVIDE LOW AMBENT OPERATION CONTROL DOWN TO 20 DEG F.
2. SIZE, ROUTE, AND SUPPORT REFRIGERANT PIPING AS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE LONG LINE LENGTH UPGRADE KIT FOR EACH UNIT WHERE REQUIRED.
3. DO NOT PROVIDE CONDENSATE PUMP. UNIT SHALL GRAVITY DRAIN.
4. PROVIDE A WIRED REMOTE THERMOSTAT CONTROLLER FOR INDOOR UNITS, MOUNT THERMOSTAT NEXT TO LIGHT SWITCH.
5. PROVIDE FIELD INSTALLED COIL HAIL GUARD ACCESSORY.
6. UNITS SHALL MEET OR EXCEED MIN SCHEDULED IEER VALUES PER AHRI 1230.
7. PROVIDE MANUFACTURER'S STANDARD MOUNTING HARDWARE.
8. INCLUDE CONDENSATE OVERFLOW PROTECTION TO SHUT DOWN MINI SPLIT IF DRAIN IS BLOCKED.

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STATE OF TEXAS — JOSHUA BAUMGARTNER — 119197 — LICENSED PROFESSIONAL ENGINEER
10-4-23

revisions

1 ADDENDUM #01 10.06.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

KENDALL COUNTY , TEXAS

project number
22-41
date
08/15/2023

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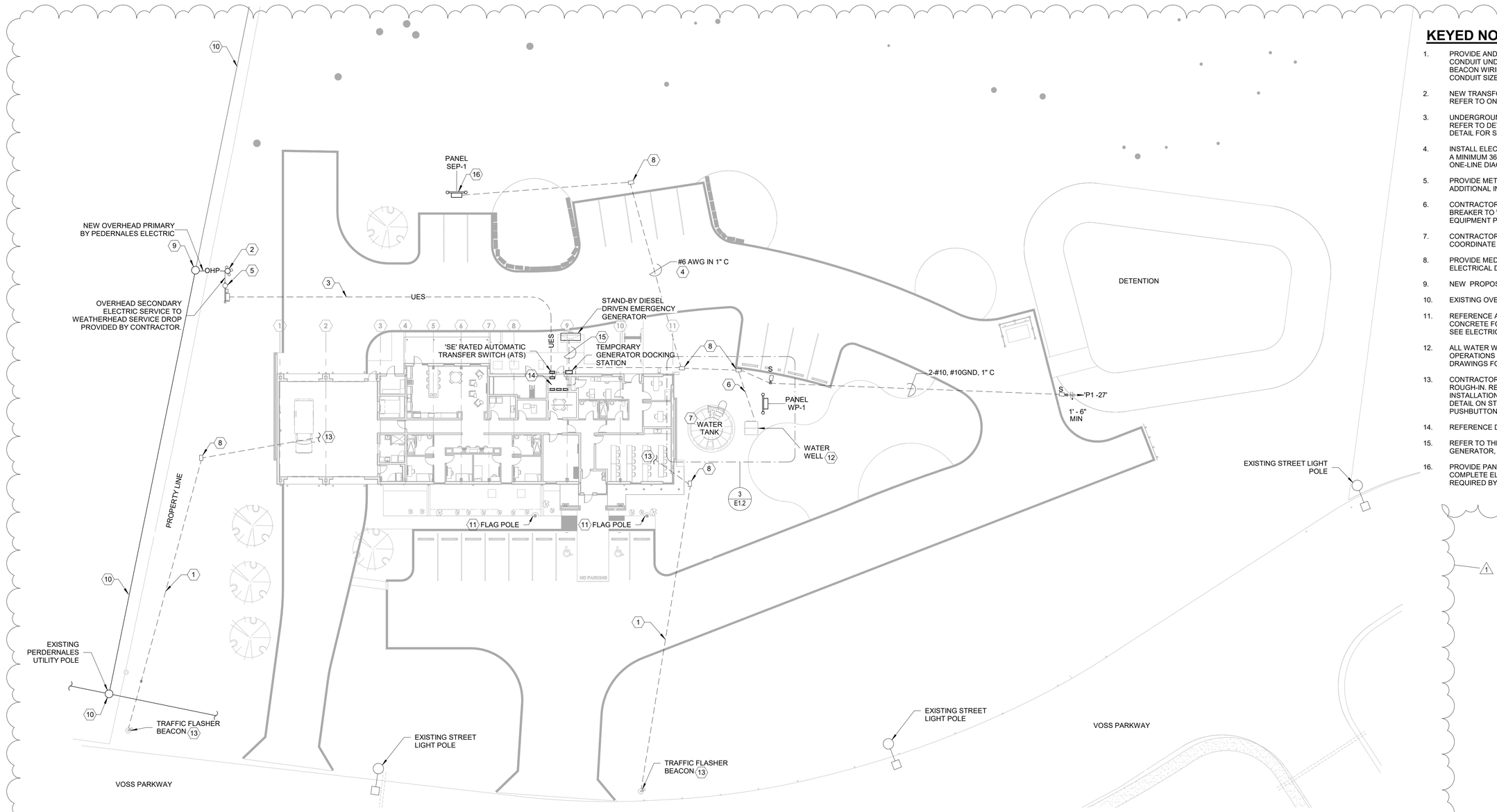
BEATY PALMER ARCHITECTS



north

1 ELECTRICAL SITE PLAN

1" = 20'-0"

KEYED NOTES: (THIS SHEET ONLY)

1. PROVIDE AND INSTALL CONDUIT RACEWAY AND SCHEDULE 80 EMPTY PVC CONDUIT UNDERGROUND WITH PULL CORD REQUIRED FOR TRAFFIC FLASHER BEACON WIRING BACK TO EMS BUILDING. CONTRACTOR SHALL VERIFY 1" CONDUIT SIZE PER MANUFACTURER REQUIRED CABLING. REFER TO DETAIL 7/E6.2.
2. NEW TRANSFORMER POLE BY PERDERNALES ELECTRIC COMPANY. REFER TO ONE-LINE DIAGRAM.
3. UNDERGROUND SECONDARY TO MAIN DISTRIBUTION PANEL 'MDP-1'. REFER TO DETAIL 1/E4.1 ONE-LINE DIAGRAM FOR CONTINUATION. SEE DUCTBANK DETAIL FOR SECONDARY SERVICE REQUIREMENTS.
4. INSTALL ELECTRICAL CONDUIT IN PARALLEL WITH SEPTIC SEWER LINE. MAINTAIN A MINIMUM 36" BETWEEN POWER CONDUIT AND SEWER LINE. SEE ELECTRICAL ONE-LINE DIAGRAM AND PANEL SCHEDULES.
5. PROVIDE METER/SERVICE RACK. REFER TO ONE-LINE DIAGRAM SHEET FOR ADDITIONAL INFORMATION.
6. CONTRACTOR TO COORDINATE AND PROVIDE CONTROLS AND CIRCUIT WITH 30A BREAKER TO WATER WELL PUMP. PROVIDE GROUND FAULT PROTECTION FOR EQUIPMENT PER NEC250.112.
7. CONTRACTOR TO GROUND THE WATER TANK PER NFPA REQUIREMENTS. COORDINATE AND PROVIDE TANK LEVEL CONTROLS.
8. PROVIDE MEDIUM DUTY IN-GRADE PULL BOX. REFER TO SHEET E6.2 FOR ELECTRICAL DETAILS.
9. NEW PROPOSED UTILITY POLE BY PERDERNALES ELECTRIC COMPANY.
10. EXISTING OVERHEAD ELECTRIC PRIMARY.
11. REFERENCE ARCHITECTURAL DETAIL 2/A2.2 FOR FLAGPOLE ELEVATION DETAILS. CONCRETE FOOTINGS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. SEE ELECTRICAL SHEET E1.1 FOR FLAG POLE ILLUMINATION DETAILS.
12. ALL WATER WELL ELECTRICAL CONTROLS TO BE FUNCTIONAL FOR WELL OPERATIONS AND TESTED PRIOR TO COMMISSIONING. REFER TO ARCHITECURAL DRAWINGS FO WATER WELL REQUIREMENTS.
13. CONTRACTOR TO VERIFY EXACT LOCATION OF TRAFFIC FLASHER BEACON PRIOR ROUGH-IN. REFERENCE ARCHITECTURAL DRAWINGS DETAIL 12/A2.2 FOR INSTALLATION REQUIREMENTS. SEE POLE MOUNTED LIGHT POLE FOUNDATION DETAIL ON STRUCTURAL DRAWINGS. PROVIDE UNDERGROUND 1" CONDUIT TO PUSHBUTTON CONTROL.
14. REFERENCE DETAIL 1/E1.2 FOR ENLARGED ELECTRICAL ROOM DETAILS.
15. REFER TO THE ENLARGEDPLAN FOR COMPLETE INFORMATION AT THE GENERATOR, DOCKING STATION AND AUTOMATIC TRANSFER SWITCH.
16. PROVIDE PANEL ON EQUIPMENT RACK FOR SEPTIC EQUIPMENT. PROVIDE COMPLETE ELECTRICAL CIRCUITS WITH LOCAL DISCONNECT SWITCHES AS REQUIRED BY CODE FOR ALL CIRCUITS SHOWN ON PANEL SCHEDULE.

GENERAL NOTES: (THIS SHEET ONLY)

A. LOCATIONS OF DEVICES ARE DIAGRAMMATICAL. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO ROUGH-IN.

B. COORDINATE EXACT LOCATIONS OF MECHANICAL / PLUMBING EQUIPMENT WITH OTHER DISCIPLINES.

C. CONDUIT LINES OF DEVICES ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY CONDITIONS AND CHOOSE APPROPRIATE CONDUIT ROUTING. IN THE EVENT THAT THE APPROPRIATE CONDUIT ROUTING SHOWN ON PLANS IS NOT FEASIBLE, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER.

D. COORDINATE ALL POWER DEVICES LOCATIONS WITH ARCHITECTURAL ELEVATIONS.

LIGHTING CONTROLS GENERAL NOTES

EXTERIOR

THE FOLLOWING AREAS WILL BE CONTROLLED IN A CORRESPONDING FASHION, AS LISTED BELOW:

CONTROL METHOD	TYPES	COMMENTS
PHOTOCELL ON/OCCUPANCY SENSOR PER FIXTURE	AREA LIGHTS	These circuits shall be controlled by interior lighting controls network via powerpacks. Owner shall specify time schedule.
	PARKING LOTS	
PHOTOCELL / TIMECLOCK CONTROL	SIGN LIGHTS	These circuits shall be controlled by interior lighting controls network via powerpacks. Owner shall specify time schedule.
	ENTRYWAY LIGHTS	
	WALLPACKS	

NOTES:
1) PROVIDE ALL COMPONENTS TO ENSURE FUNCTIONALITY OF ALL SYSTEMS.

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1 ADDENDUM #01 10.06.23

STATE OF TEXAS — LON M CULBERTSON — 105679 — LICENSED PROFESSIONAL ENGINEER — 10-5-23

EMERGENCY MEDICAL SERVICES STATION NO. 3

KENDALL COUNTY , TEXAS

project number
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THE STATE OF TEXAS — KENDALL COUNTY

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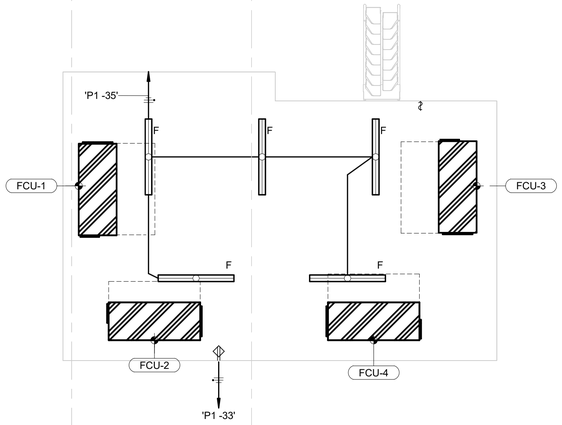
BEATY PALMER ARCHITECTS

KEYED NOTES: (DETAIL 2 - THIS SHEET ONLY)

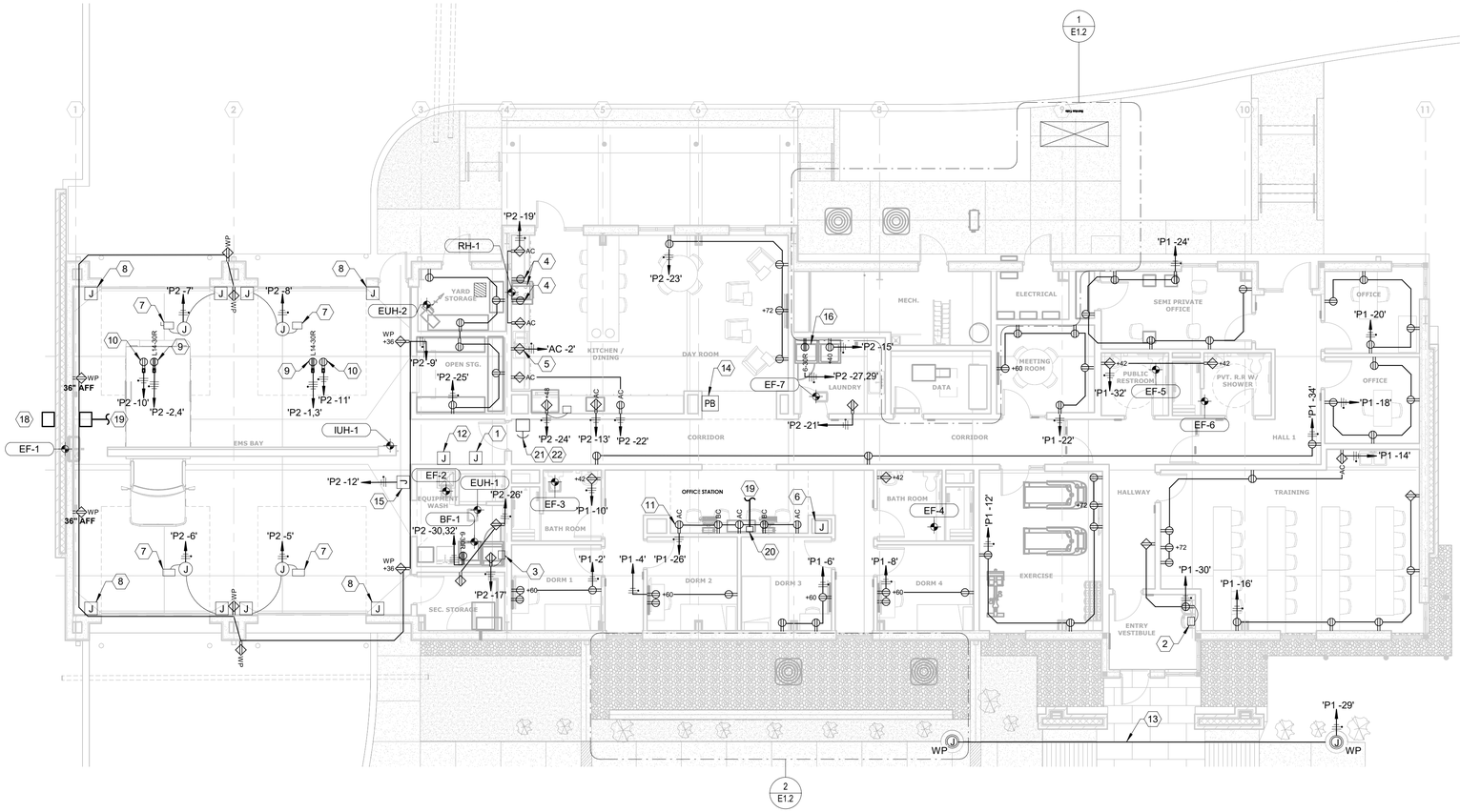
1. PROVIDE A JUNCTION BOX FLUSH MOUNTED WITH WALL FOR PUSH BUTTON INSTALLATION. PUSH BUTTON SHALL CONTROL FLASHER BEACON LIGHT. REFER TO SHEET E1.0 FOR LOCATIONS OF WARNING SIGNS. COORDINATE EXACT LOCATION AND HEIGHT OF PUSH-BUTTON PRIOR TO ROUGH-IN.
2. WIRE WATER FOUNTAIN RECEPTACLE THROUGH A WALL MOUNTED 20A, GFCI MODULE EQUAL TO HUBBEL GFBFST20W.
3. WIRE DECON WASHER 5-15R RECEPTACLE THROUGH WALL MOUNTED, 20A, GFCI MODULE EQUAL TO HUBBEL GFBFST20W.
4. CONTRACTOR TO PROVIDE WIRE TO RECEPTACLE AND TO THE RANGE HOOD PER MANUFACTURER INSTALLATION REQUIREMENTS.
5. GFCI RECEPTACLE FOR GARBAGE DISPOSAL TO BE WIRED AND POWERED THROUGH ADJACENT SWITCH.
6. PROVIDE A RECESSED ANTENNA J-BOX AND A 3" EMPTY CONDUIT RISING UP TO ANTENNA ON ROOF.
7. PROVIDE 30A/2P FUSED DISCONNECT SWITCH AND MOUNT ADJACENT TO DOOR LIFT MOTOR.
8. PROVIDE A J-BOX FOR CONTROL WIRING OF MOTORIZED DOOR AND MOUNT ADJACENT TO POWER CIRCUIT J-BOX.

KEYED NOTES: (DETAIL 1 - THIS SHEET ONLY)

1. PROVIDE A JUNCTION BOX FLUSH MOUNTED WITH WALL FOR PUSH BUTTON INSTALLATION. PUSH BUTTON SHALL CONTROL FLASHER BEACON LIGHT. REFER TO SHEET E1.0 FOR LOCATIONS OF WARNING SIGNS. COORDINATE EXACT LOCATION AND HEIGHT OF PUSH-BUTTON PRIOR TO ROUGH-IN.
2. POWER WATER FOUNTAIN RECEPTACLE THROUGH A WALL MOUNTED 20A, GFCI MODULE EQUAL TO HUBBEL GFBFST20W.
3. POWER DECON WASHER 5-15R RECEPTACLE THROUGH WALL MOUNTED, 20A, GFCI MODULE EQUAL TO HUBBEL GFBFST20W.
4. CONTRACTOR TO PROVIDE 120V RECEPTACLE FOR CONNECTINO TO EMERGENCY SHUT OFF ASSEMBLY BOX. RANGE TO BE POWERED THROUGH ASSEMBLY BOX. PROVIDE WIRING FOR GAS SHUT OFF AND CONTROL.
5. PROVIDE AN UNDERCOUNTER RECEPTACLE FOR DISPOSAL. PROVIDE A WET RESISTANT TYPE SINGLE POLE TOGGLE SWITCH AND MOUNT ABOVE COUNTER AS CLOSE AS POSSIBLE TO SINK. PROVIDE 2#10, 1#10 GND IN A 3/4" CONDUIT.
6. PROVIDE A RECESSED ANTENNA JUNCTION BOX INSIDE BOTTOM OF CABINET AND A 3" EMPTY CONDUIT RISING UP TO ANTENNA ON ROOF.
7. PROVIDE 30A/2P FUSED DISCONNECT SWITCH AND MOUNT ADJACENT TO DOOR LIFT MOTOR.
8. PROVIDE A JUNCTION BOX FOR CONTROL WIRING AND DETECTION SYSTEM OF MOTORIZED DOOR AND MOUNT ADJACENT TO POWER CIRCUIT JUNCTION BOX.
9. PROVIDE A DEDICATED, NEMA L14-30R RECEPTACLE, ATTACHED TO SUPPORT AT LOWER CORD OF ROOFING FRAMING. PROVIDE 5/16" DIAMETER, STAINLESS STEEL, EYE HOOK, SECURED TO FRAMING AND ADJACENT TO RECEPTACLE FOR ATTACH -MENT OF CORD STRAIN RELIEF DEVICE LOOP. LOCATE RECEPTACLE ABOVE THE REAR EDGE OF THE DRIVER'S DOOR OF ENGINE VEHICLES IN EMS BAYS. PROVIDE CORD ASSEMBLY WITH YELLOW OUTER JACKET, 12/3 COPPER SOOW CORD, NEMA 5-30 AND 5-30P DEVICES ON OPPOSITE ENDS. PROVIDE SINGLE EYE BUS, DROP GRID FOR STRAIN RELIEF AT PLUG END OF CORD ASSEMBLY (KELLEMS #073041279 OR EQUAL). OVERALL CORD ASSEMBLY LENGTH SHALL BE 36" LESS THAN HEIGHT OF THE RECEPTACLES ABOVE FINISHED FLOOR ELEVATION.
10. PROVIDE A SECOND PLUG, CORD AND RECEPTACLE ASSEMBLY AS SPECIFIED ABOVE, EXCEPT WITHOUT STRAIN RELIEF AND 18" IN LENGTH FOR FINAL CONNECTION TO VEHICLE.
11. OFFICE STATION RECEPTACLES MOUNTED ABOVE COUNTER, REFER TO ARCHITEC-TURAL ELEVATIONS FOR EXACT LOCATIONS. (TYPICAL OF 3)
12. PROVIDE CONNECTION FOR FOUR (4) PUSH BUTTONS FOR EMS BAY OVERHEAD DOORS CONTROLS, MOUNT FLUSH WITH WALL. COORDINATE WITH ARCHITECT/OWNER FOR EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN.
13. PROVIDE ONE (1) UNDERGROUND, 120V CIRCUIT TO FLAG POLES WITH INTEGRAL LIGHITNG, AND BACK TO PANEL 'P1' IN ELECTRICAL ROOM. COORDINATE WITH FLAG POLE EQUIPMENT PROVIDER.
14. ANSUL SYSTEM EMERGENCY SHUT OFF STATION. PROVIDE WIRING PER MANUFACTURER'S REQUIREMENTS AND INSTALL PER NFPA 96.
15. PROVIDE DEDICATED CIRCUIT FOR CARBON DIOXIDE AND NITROGEN OXIDE SENSORS. REFER TO MECHANICAL DRAWINGS FOR SENSOR DETAILS.
16. PROVIDE BOOSTER FAN ONLY IF EQUIVALENT DUCT LENGTH IS NOT WITHIN DRYER MANUFACTURER'S REQUIREMENTS.
17. CONTRACTOR TO PROVIDE 120V POWER TO TWO LIGHTING FIXTURES (BULB/LAMP)AT 7WATTS, E26, LED 2200-2700K COLOR, MOUNTED IN THE RANGE HOOD.
18. PROVIDE WEATHERPROOF BOX ON EXTERIOR JUST UNDER ROOF EVE FOR ANTENNA CONDUIT PATHWAY.
19. ROUTE 1" TYPE EMT CONDUIT FROM PULLBOX, THROUGH WALL TO INTERIOR PULL BOX AND ON TO RADIO LOCATION.
20. PROVIDE 1" EMT CONDUIT FROM INTERIOR PULLBOX TO RADIO LOCATION. COORDINATE WITH OWNER FOR SHERIFF OFFICE RADIO & EMS BASE STATION RADIO.
21. EMERGENCY PUSHBUTTON FOR INITIATION UPON EMS CALL. PROVIDE MAINTAINED MUSHROOM HEAD PUSH BUTTON WITH PHENOLIC LABEL IN LOCATION INDICATED. PULL MUSHROOM HEAD PUSH BUTTON OUT TO RESET TO NORMAL CONDITION.
22. PUSH BUTTON SHALL CONNECT TO INTERPOSING RELAY TO CAUSE THE FOLLOWING ACTION UPON ACTIVATION:
    a. OPEN THE LP GAS SUPPLY SOLENOID VALVE TO THE KITCHEN STOVE.
    b. TURN OFF THE POWER TO THE MICROWAVE AND KITCHEN COUNTER RECEPTACLES.
    c. TURN ON INDICATED DORM AND HALLWAY LIGHTS TO FULL BRIGHT FOR EMERGENCY RESPONDERS EGRESS TO VEHICLES.
    d. TURN ON EXTERIOR BEACON FLASH LIGHTS (SEE SITE PLAN).



north **2 ELECTRICAL FLOOR PLAN - MECHANICAL PLATFORM**
1/4" = 1'-0"



north **1 ELECTRICAL POWER PLAN**
1/8" = 1'-0"

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STATE OF TEXAS · LON M. CULBERTSON · 105679 · LICENSED PROFESSIONAL ENGINEER · 10-5-2023	1 ADDENDUM #01 10.06.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

KENDALL COUNTY , TEXAS

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date 08/15/2023

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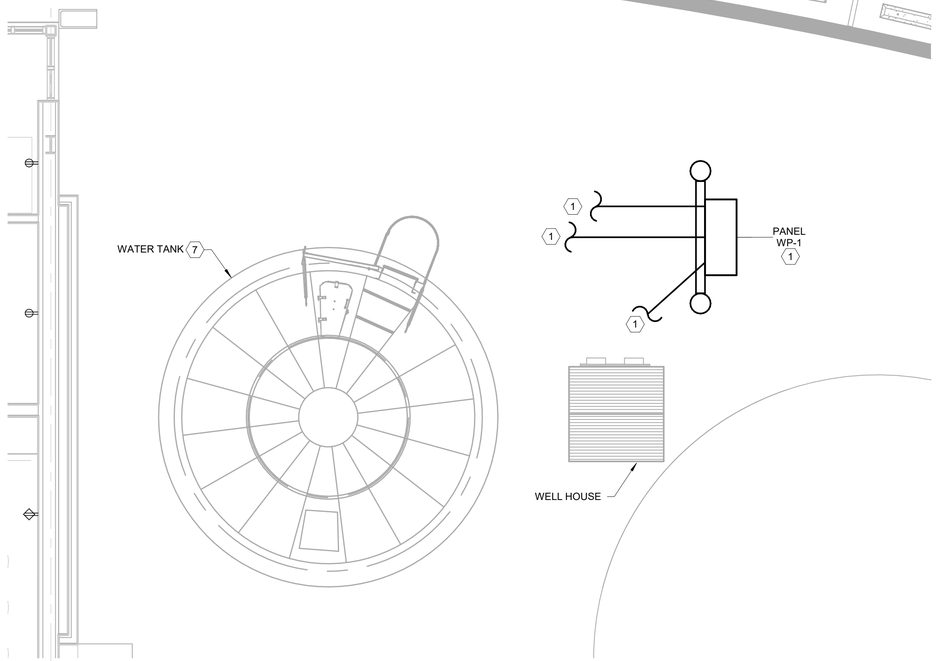
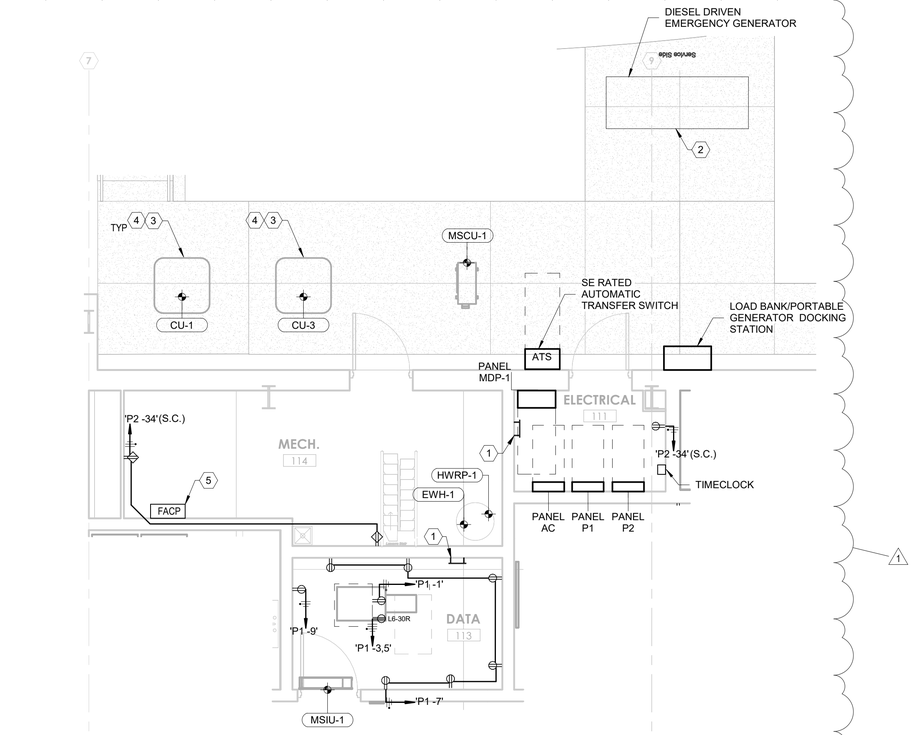
BEATY PALMER ARCHITECTS



3 ELECTRICAL SITE PLAN - WELL
1/4" = 1'-0"

KEYED NOTES: (DETAIL 3 - THIS SHEET ONLY)

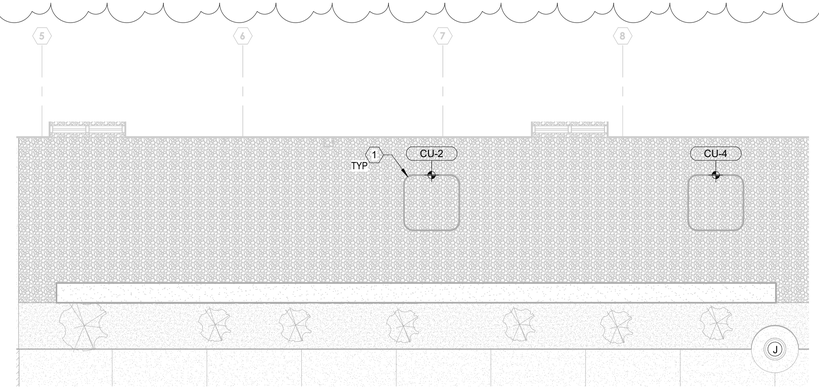
1. PROVIDE PANEL ON EQUIPMENT RACK FOR WELL, WELLHOUSE, WELL EQUIPMENT AND IRRIGATION EQUIPMENT.
2. SEE ELECTRICAL ONE-LINE DIAGRAM AND PANEL SCHEDULES FOR MORE INFORMATION.
3. ROUTE CONDUITS UNDERGROUND TO WELL HOUSE. COORDINATE CONDUIT RISER LOCATIONS IN WELL HOUSE WITH WELLHOUSE EQUIPMENT AND OTHER TRADES.
4. SEE ELECTRICAL ONE-LINE DIAGRAM FOR CONDUCTOR TABLE AND POWER REQUIREMENTS.
5. ROUTE SPARE 1" CONDUIT U/G TO DATA ROOM IN BUILDING. COORDINATE CONDUIT RISER LOCATION IN DATA ROOM WITH TECHNOLOGY EQUIPMENT AND INSTALLATION.



1 ELECTRICAL POWER PLAN - ENLARGED MECHANICAL, ELECTRICAL AND DATA ROOMS
1/4" = 1'-0"

KEYED NOTES: (DETAIL 1 - THIS SHEET ONLY)

1. PROVIDE GROUND BUS BAR.
2. VERIFY EXACT LOCATION OF STANDBY GENERATOR PER NEC CLEARANCES PRIOR TO ROUGH-IN. REFER TO INSTALLATION REQUIREMENTS FOR COMPLETE INSTALL. REFERENCE 2/E4.1 FOR ONE-LINE DIAGRAM.
3. LOCATION OF EQUIPMENT/DEVICES ARE FOR DIAGRAMMATIC PURPOSE. CONTRACTOR TO FIELD VERIFY EQUIPMENT/DEVICES PRIOR TO ROUGH-IN.
4. PROVIDE POWER UNDERGROUND FROM PANEL 'AC' TO MECHANICAL EQUIPMENT AND RISE CONDUIT UP TO UNIT. PROVIDE FLEX CONDUIT FROM RIGID CONDUIT TO UNIT.
5. ELECTRICAL CONTRACTOR TO PROVIDE 120V/20A CIRCUIT TO FIRE ALARM CONTROL PANEL (FACP). VERIFY EXACT LOCATION OF FACP WITH FIRE ALARM CONTRACTOR. PROVIDE CIRCUIT BREAKER LOCK-ON DEVICE.



2 ELECTRICAL POWER PLAN - FRONT OF BUILDING
1/4" = 1'-0"

KEYED NOTES: (DETAIL 2 - THIS SHEET ONLY)

1. PROVIDE POWER UNDERGROUND FROM PANEL 'AC' TO MECHANICAL EQUIPMENT AND RISE CONDUIT UP TO UNIT. PROVIDE FLEX CONDUIT FROM RIGID CONDUIT TO UNIT.

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12-22-23

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BEATY PALMER ARCHITECTS

ELECTRICAL -- LUMINAIRE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	CATALOG NO.	LAMPS	VOLTS	APPARENT LOAD	MOUNTING	NOTES
A	2' X 2' RECESSED GRID MOUNT FLAT PANEL LED FIXTURE UNIVERSAL DIMMING, 4000K, 4522 LUMENS.	DAYBRITE	2FGXG45L840-2-RS	INTEGRAL LED	120	34 VA	RECESSED	
B	LYTEPROFILE 6" ROUND DOWNLIGHT, WET LOCATION RATED.	LIGHTOLIER	LYTEPROFILE	INTEGRAL LED	120	32 VA	RECESSED	
C	LED LINEAR PENDANT DIRECT/INDIRECT DISTRIBUTION	LEDALITE	TRUGROOVE	INTEGRAL LED	120	28 VA	PENDANT, 8' AFF	
D	6" RECESSED LED DOWNLIGHT	LIGHTOLIER	LYTEPROFILE	INTEGRAL LED	120	32 VA	RECESSED	
F	LINEAR LED UTILITY LIGHT	DAYBRITE	FLUXSTREAM	INTEGRAL LED	120	28 VA	RECESSED	
G	LED CEILING MOUNTED DRUM PENDANT	BROWNLEE	2672	INTEGRAL LED	120	26 VA	CEILING	
H	6" CYLINDER LED DOWNLIGHT	LITON	DL340	INTEGRAL LED	120	32 VA	PENDANT, 9' AFF	
J	HIGH OUTPUT LINEAR LED UTILITY LIGHT	DAYBRITE	FLUXSTREAM	INTEGRAL LED	120	28 VA	PENDANT, 14' AFF	
S	OUTDOOR AREA SITE LED LUMINAIRE MOUNTED ON 17-FOOT POLE. TYPE IV SQUARE DISTRIBUTION. 3000K, DARK SKY COMPLIANT FULL CUTOFF OPTICS.	GARDCO	ECF-S 32L 1A WW-G2 AR	INTEGRAL LED	120	298 VA	POLE	
U	UNDERCABINET LIGHT	COOPER	CL 1 32 UNV EB8 S W	INTEGRAL LED	120	28 VA	UNDERCABINET	
W	LED WALLPACK, 3000K, TYPE IV DISTRIBUTION, DARK SKY COMPLIANT FULL CUTOFF OPTICS	STONCO	LPW32-7 WW-G3	INTEGRAL LED	120	71 VA	WALL	
X1	6-INCH RED LETTERS, EDGE-LIT LED EXIT SIGN, SINGLE FACE CLEAR, SATIN ALUMINUM HOUSING.	*DUAL-LITE LITHONIA LIGHTING SURE-LITES	*LES-X-D-R-X-W-A EDG 2 RMR M6 EUX6RWH	INTEGRAL RED LED	120	2 VA	CEILING	
X2	6-INCH RED LETTERS, EDGE-LIT LED EXIT SIGN, DOUBLE FACE MIRROR, SATIN ALUMINUM HOUSING.	*DUAL-LITE LITHONIA LIGHTING SURE-LITES	*LES-X-S-R-X-W-A EDG 1 R M6 EUX6RWH	INTEGRAL RED LED	120	3 VA	CEILING	

FAN-1	HUNTER MINIKIN 42" CEILING FAN, FRESH WHITE	HUNTER	51140	N/A	120	36 VA	CEILING	
FAN-2	HUNTER ORSINI OUTDOOR MODEL, FRESH WHITE WITH DROP ROD	HUNTER	50296	N/A	120	36 VA	PENDANT	
FAN-3	HUNTER ORSINI OUTDOOR MODEL, FRESH WHITE	HUNTER	50296	N/A	120	36 VA	CEILING	

LIGHTING CONTROLS GENERAL NOTES

OFFICES AND COMMON SPACES

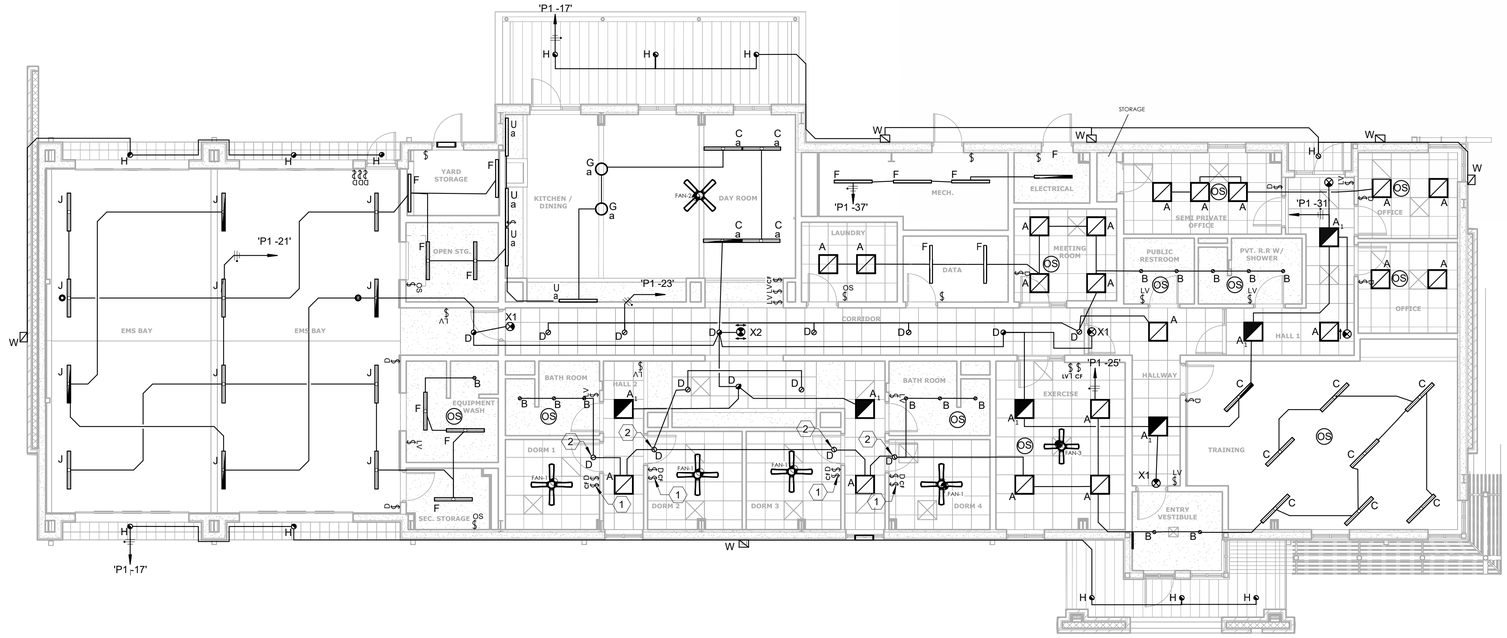
THE FOLLOWING AREAS WILL BE CONTROLLED IN A CORRESPONDING FASHION, AS LISTED BELOW:

CONTROL METHOD	AREAS	COMMENTS
LINE VOLTAGE SINGLE POLE SWITCH	ELECTRICAL, MECHANICAL, FIRE RISER, DATA	These controls shall be stand alone not connected to the larger networked system.
TIMECLOCK CONTROL WITH LOCAL OVERRIDE SWITCHES (SET TO 2 HRS)	CORRIDORS DAY ROOM KITCHEN	These controls shall be networked back to the central hub. Components shall include room controllers, and low voltage override switches.
DIMMING CONTROL AND OCCUPANCY SENSING	OFFICES MEETING ROOM TRAINING ROOM	These controls shall be networked back to the central hub. Components shall include room controllers, occupancy sensors (ceiling or wall mounted), and dimmer switches.
OCCUPANCY SENSING AND LOW VOLTAGE OVERRIDE	STORAGE, DECONTAMINATION, EXERCISE, RESTROOMS	These controls shall be networked back to the central hub. Components shall include a room controller, and low voltage push button override, and occupancy sensor (ceilling or wall mounted).
LOCAL DIMMING CONTROL AND OVERRIDE BY EMS CALL SYSTEM	AMBULANCE BAY, DORMS,	These controls shall be networked back to the central hub. Components shall include a room controller, wall mounted dimmers, override connection from EMS call system.
TIMECLOCK CONTROL AND PHOTOCELL WITH CENTRAL OVERRIDE SWITCH	EXTERIOR SITE	These controls shall be networked back to the central hub. Components shall include a programmable timeclock, outdoor rated photocell and override toggle switch.

NOTES:
1) PROVIDE ALL COMPONENTS TO ENSURE FUNCTIONALITY OF ALL SYSTEMS.
2) PROVIDE PHOTOCELL AND DAYLIGHTING CONTROLS IN DAYLIGHTING ZONES AS REQUIRED BY CODE.
3) PROVIDE UL 924 COMPLIANT POWER SENSE DEVICE TO BRING ALL LIGHTING FIXTURES ON THE EMERGENCY POWER SYSTEM TO FULL BRIGHTNESS AND ILLUMINATION DURING A LOSS OF NORMAL POWER.

KEYED NOTES: (THIS SHEET ONLY)

1. CEILING FAN LED LIGHT AND CAN LIGHT IN DORMITORY SHALL BE CONTROLLED BY DIMMER SWITCH. FAN MOTOR SHALL BE CONTROLLED BY CEILING FAN SWITCH.
2. RECESSED DOWNLIGHT TO TURN ON WHEN EMERGENCY PUSH BUTTON IS EXERCISED.



north

1 LIGHTING PLAN - LEVEL 1
1/8" = 1'-0"

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BEATY PALMER ARCHITECTS

PANEL: P1

LOCATION: ELECTRICAL 111 | **MAINS RATING &...** 225 A | **ENCLOSURE:** NEMA 1
SUPPLY FROM: MDP-1 | **BUS RATING:** 400A | **MOUNTING:** SURFACE
VOLTAGE: 120/208 Wye, 3PH, 4W | **NEUTRAL RATING:** 100.00% | **CIRCUIT BREAKER...** BOLT-ON
INTERRUPTING: 10,000 | **PROVIDE:** NEUTRAL BUS, GROUND BUS

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	DATA // EQUIPMENT	20 A	1	180	900					1	20 A	DORM 1 // RECEPTACLES	2
3	DATA // EQUIPMENT	30 A	2			2496	900			1	20 A	DORM 2 // RECEPTACLES	4
5								2496	900	1	20 A	DORM 3 // RECEPTACLES	6
7	DATA // RECEPTACLES	20 A	1	1080	900					1	20 A	DORM 4 // RECEPTACLES	8
9	SECURITY PANEL	20 A	1			180	360			1	20 A	BATHROOM // RECEPTACLES	10
11	PANEL WP-1	20 A	3					4962	1260	1	20 A	EXERCISE ROOM // RECEPTACLES	12
13				3839	1800					1	20 A	TRAINING ROOM // RECEPTACLES	14
15						1733	900			1	20 A	TRAINING ROOM // RECEPTACLES	16
17	LIGHTING // OUTDOOR // WALLPACK	20 A	1					1050	720	1	20 A	OFFICE // RECEPTACLES	18
19	DRYER EXHAUST BOOSTER FAN	20 A	1	528	720					1	20 A	OFFICE // RECEPTACLES	20
21	LIGHTING // EMS BAY // DECON // FIRE...	20 A	1			648	1260			1	20 A	MEETING ROOM // RECEPTACLES	22
23	LIGHTING	20 A	1					888	1080	1	20 A	SEMI PRIVATE OFFICE // RECEPTACLES	24
25	DORM LIGHTS // CEILING FANS	20 A	1	815	900					1	20 A	OFFICE STATION RECEPTACLES	26
27	SITE LIGHTING	20 A	1			596	0			1	20 A	SPARE CIRCUIT BREAKER***	28
29	SITE // FLAG POLE LIGHTING	20 A	1					1000	360	1	20 A	VESTIBULE & ENTRY HALL // RECEPTACLES	30
31	LIGHTING // EMERGENCY - EGRESS	20 A	1	473	360					1	20 A	PUBLIC RR & PVT. RR W/ SHOWER // RECEPT.	32
33	MEZZANINE // RECEPTACLE	20 A	1			180	540			1	20 A	CORRIDOR // RECEPTACLES	34
35	MEZZANINE // LIGHTING	20 A	1					140	0				36
37	03 INTERIOR LIGHTING (NEC T220.12)	20 A	1	112	0					3	20 A	PANEL SEP-1	38
39	SPARE CIRCUIT BREAKER***	20 A	1			0	0						40
41	SPARE CIRCUIT BREAKER***	20 A	2					0	0				42
43				0	0					2	30 A	SPARE CIRCUIT BREAKER***	44
45	SPARE CIRCUIT BREAKER***	20 A	1			0	0			1	20 A	SPARE CIRCUIT BREAKER***	46
47	SPARE CIRCUIT BREAKER***	20 A	1					0	0	1	20 A	SPARE CIRCUIT BREAKER***	48
49	SPARE CIRCUIT BREAKER***	20 A	1	0	0					1	20 A	SPARE CIRCUIT BREAKER***	50
51	SPARE CIRCUIT BREAKER***	20 A	1			0	0			1	20 A	SPARE CIRCUIT BREAKER***	52
53	SPARE CIRCUIT BREAKER***	20 A	1					0	0	1	20 A	SPARE CIRCUIT BREAKER***	54

NOTES:

[1]		[6]	
[2]		[7]	
[3]		[8]	
[4]		***	DENOTES SPARE CIRCUIT BREAKERS REQUIRED FOR 25% SPARE CAPACITY.
[5]		REVISION:	CNG ENGINEERING, PLLC R3.0

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
01 EXISTING LOAD (NEC 220.87)	0 VA	0.00%	0 VA
02 RECEPTACLES (NEC 220.44)	1440 VA	100.00%	1440 VA
03 INTERIOR LIGHTING (NEC T220.12)	2963 VA	125.00%	3703 VA
04 EXTERIOR LIGHTING	1544 VA	125.00%	1930 VA
05 EQUIPMENT (NEC 430.24)	4992 VA	100.00%	4992 VA
06 FANS	528 VA	125.00%	660 VA
07 SPACE HEATING (NEC 220.60)	0 VA	0.00%	0 VA
08 SPACE COOLING (NEC 220.60)	0 VA	0.00%	0 VA
09 KITCHEN EQUIPMENT (NEC 220.87)	0 VA	0.00%	0 VA
10 ELEVATORS (NEC 620.14)	0 VA	0.00%	0 VA
11 LARGEST MOTOR (NEC 220.50)	0 VA	0.00%	0 VA
12 FUTURE LOAD GROWTH	0 VA	0.00%	0 VA

PANEL TOTALS	TOTAL CONNECTED	
	VA	A
PHASE A:	12544 VA	108 A
PHASE B:	9712 VA	81 A
PHASE C:	14794 VA	127 A
TOTAL CONNECTED LOAD:	37049 VA	
TOTAL DEMAND LOAD:	36530 VA	
TOTAL CONNECTED...	103 A	
TOTAL DEMAND CURRENT:	101 A	

PANEL: P2

LOCATION: ELECTRICAL 111 | **MAINS RATING &...** 225 A | **ENCLOSURE:** NEMA 1
SUPPLY FROM: MDP-1 | **BUS RATING:** 400A | **MOUNTING:** SURFACE
VOLTAGE: 120/208 Wye, 3PH, 4W | **NEUTRAL RATING:** 100.00% | **CIRCUIT BREAKER...** BOLT-ON
INTERRUPTING: 10,000 | **PROVIDE:** NEUTRAL BUS, GROUND BUS

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	BAY // DROP CORD	20 A	2	3120	3120					2	20 A	BAY // DROP CORD	2
3						3120	3120						4
5	JUNCTION BOX - EMS BAY	20 A	1					500	500	1	20 A	JUNCTION BOX - EMS BAY	6
7	JUNCTION BOX - EMS BAY	20 A	1	500	500					1	20 A	JUNTION BOX - EMS BAY	8
9	EMS BAY WP RECEPTACLES	20 A	1			1440	180			1	20 A	CORD REEL - EMS BAY	10
11	CORD REEL - EMS BAY	20 A	1					180	500	1	20 A	CO2 // NO SENSOR	12
13	KITCHEN // MICROWAVE	20 A	1	180	180					1	20 A	CEILING FANS	14
15	LAUNDRY // WASHER	20 A	1			671	1500			2	30 A	ELECTRIC UNIT HEATER (EUH-2)	16
17	DECON WASHER // GFCI MODULE	20 A	1					671	1500				18
19	KITCHEN // RECEPTACLES	20 A	1	360	1500					1	20 A	ELECTRIC UNIT HEATER (EUH-3)	20
21	LAUNDRY // RECEPTACLES	20 A	1			180	360			1	20 A	KITCHEN // RECEPTACLES	22
23	DAY ROOM // RECEPTACLES	20 A	1					1080	1476	1	20 A	KITCHEN // REFRIGERATOR	24
25	STORAGE // RECEPTACLES	20 A	1	1080	360					1	20 A	UTILITY // RECEPTACLES	26
27	LAUNDRY // DRYER	30 A	2			2496	0			1	20 A	RANGE HOOD // EXHAUST FAN	28
29								2496	2496	2	30 A	DECON DRYER	30
31	SPARE CIRCUIT BREAKER***	20 A	1	0	2496								32
33	SPARE CIRCUIT BREAKER***	20 A	1			0	540			1	20 A	MECH & ELEC // RECEPTACLES	34
35	SPARE CIRCUIT BREAKER***	20 A	1					0	0	1	20 A	SPARE CIRCUIT BREAKER***	36
37	SPARE CIRCUIT BREAKER***	20 A	1	0	0					1	20 A	SPARE CIRCUIT BREAKER***	38
39	SPARE CIRCUIT BREAKER***	20 A	1			0	0			1	20 A	SPARE CIRCUIT BREAKER***	40
41	SPARE CIRCUIT BREAKER***	20 A	1					0	0	1	20 A	SPARE CIRCUIT BREAKER***	42
43	SPARE CIRCUIT BREAKER***	20 A	1	0	0					1	20 A	SPARE CIRCUIT BREAKER***	44
45	PREPARED SPACE	--	1			--	0			1	20 A	SPARE CIRCUIT BREAKER***	46
47	PREPARED SPACE	--	1					--	0	1	20 A	SPARE CIRCUIT BREAKER***	48
49	PREPARED SPACE	--	1	--	--					1	--	PREPARED SPACE	50
51	PREPARED SPACE	--	1			--	--			1	--	PREPARED SPACE	52
53	PREPARED SPACE	--	1					--	--	1	--	PREPARED SPACE	54

NOTES:

[1]		[6]	
[2]		[7]	
[3]		[8]	
[4]		***	DENOTES SPARE CIRCUIT BREAKERS REQUIRED FOR 25% SPARE CAPACITY.
[5]		REVISION:	CNG ENGINEERING, PLLC R3.0

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
01 EXISTING LOAD (NEC 220.87)	0 VA	0.00%	0 VA
02 RECEPTACLES (NEC 220.44)	5060 VA	100.00%	5060 VA
03 INTERIOR LIGHTING (NEC T220.12)	0 VA	0.00%	0 VA
04 EXTERIOR LIGHTING	0 VA	0.00%	0 VA
05 EQUIPMENT (NEC 430.24)	23806 VA	100.00%	23806 VA
06 FANS	180 VA	125.00%	225 VA
07 SPACE HEATING (NEC 220.60)	4500 VA	100.00%	4500 VA
08 SPACE COOLING (NEC 220.60)	0 VA	0.00%	0 VA
09 KITCHEN EQUIPMENT (NEC 220.87)	1476 VA	100.00%	1476 VA
10 ELEVATORS (NEC 620.14)	0 VA	0.00%	0 VA
11 LARGEST MOTOR (NEC 220.50)	0 VA	0.00%	0 VA
12 FUTURE LOAD GROWTH	0 VA	0.00%	0 VA

PANEL TOTALS	TOTAL CONNECTED	
	VA	A
PHASE A:	13396 VA	114 A
PHASE B:	13607 VA	116 A
PHASE C:	11399 VA	95 A
TOTAL CONNECTED LOAD:	38402 VA	
TOTAL DEMAND LOAD:	38447 VA	
TOTAL CONNECTED...	107 A	
TOTAL DEMAND CURRENT:	107 A	

PANEL: AC

LOCATION: ELECTRICAL 111 | **MAINS RATING &...** 300 A IMCB | **ENCLOSURE:** NEMA 1
SUPPLY FROM: MDP-1 | **BUS RATING:** 400 A | **MOUNTING:** SURFACE
VOLTAGE: 120/208 Wye, 3PH, 4W | **NEUTRAL RATING:** 100.00% | **CIRCUIT BREAKER...** BOLT-ON
INTERRUPTING: 10,000 | **PROVIDE:** NEUTRAL BUS, GROUND BUS

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EF-1 [1]	20 A	1	500	540					1	20 A	GARBAGE DISPOSAL	2
3	EF-2	20 A	1			500	1000			2	15 A	MSCU-IDF & MSIU-IDF	4
5	EF-3	20 A	1					500	1000				6
7	EF-4	20 A	1	500	3000					3	35 A	ELECTRIC WATER HEATER - 1 (EWH-1)	8
9	EF-5	20 A	1			500	3000						10
11	EF-6	20 A	1					500	3000				12
13	FCU-1	70 A	2	5965	2194					2	25 A	CU-1	14
15						5965	2194						16
17	FCU-2	70 A	2					5699	3567	2	60 A	CU-2	18
19				5699	3567								20
21	FCU-3	50 A	2			3869	2059			2	30 A	CU-3	22
23								3869	2059				24
25	FCU-4	80 A	2	5799	2434					2	40 A	CU-4	26
27						5799	2434						28
29	IUH-1	20 A	1					0	500	1	20 A	EF-7	30
31	SPARE CIRCUIT BREAKER***	20 A	2	0	250					1	15 A	HWRP-1	32
33						0	0			2	30 A	SPARE CIRCUIT BREAKER***	34
35	SPARE CIRCUIT BREAKER***	20 A	1					0	0				36
37	PREPARED SPACE***	--	1	--	--					1	--	PREPARED SPACE***	38
39	PREPARED SPACE***	--	1			--	--			1	--	PREPARED SPACE***	40
41	PREPARED SPACE***	--	1					--	--	1	--	PREPARED SPACE***	42

NOTES:

[1]	PROVIDE WITH PRE-WIRED DISCONNECT	[6]	
[2]		[7]	
[3]		[8]	
[4]		***	DENOTES SPARE CIRDUIT BREAKERS REQUIRED FOR 25% SPARE CAPACITY.
[5]		REVISION:	CNG ENGINEERING, PLLC R3.0

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
01 EXISTING LOAD (NEC 220.87)	0 VA	0.00%	0 VA
02 RECEPTACLES (NEC 220.44)	0 VA	0.00%	0 VA
03 INTERIOR LIGHTING (NEC T220.12)	0 VA	0.00%	0 VA
04 EXTERIOR LIGHTING	0 VA	0.00%	0 VA
05 EQUIPMENT (NEC 430.24)	9250 VA	100.00%	9250 VA
06 FANS	3000 VA	125.00%	3750 VA
07 SPACE HEATING (NEC 220.60)	42665 VA	100.00%	42665 VA
08 SPACE COOLING (NEC 220.60)	23009 VA	100.00%	23009 VA
09 KITCHEN EQUIPMENT (NEC 220.87)	0 VA	0.00%	0 VA
10 ELEVATORS (NEC 620.14)	0 VA	0.00%	0 VA
11 LARGEST MOTOR (NEC 220.50)	0 VA	0.00%	0 VA
12 FUTURE LOAD GROWTH	0 VA	0.00%	0 VA

PANEL TOTALS	TOTAL CONNECTED	
	VA	A
PHASE A:	30449 VA	262 A
PHASE B:	27320 VA	236 A
PHASE C:	20694 VA	172 A
TOTAL CONNECTED LOAD:	78464 VA	
TOTAL DEMAND LOAD:	56205 VA	
TOTAL CONNECTED...	218 A	
TOTAL DEMAND CURRENT:	156 A	

Switchboard: MDP-1

Location: ELECTRICAL 111 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 18,000
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: SURFACE | **Wires:** 4 | **Bussing:** 600
Enclosure: NEMA 1 | **Neutral Rating:** 100.00% | **MCB Rating:** 400 A
Provide: GROUND BUS, NEUTRAL BUS | **CB Type:** BOLT-ON

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	P1	3	225 A	225 A	38402 VA	
2	P2	3	225 A	225 A	37049 VA	
3	AC	3	300 A	300 A	78464 VA	
4	SPARE CIRCUIT BREAKER	3	100 A	100 A	0 VA	
5	PREPARED SPACE	1	--	--	--	
6	SPARE CIRCUIT BREAKER	3	100 A	100 A	0 VA	(2 SPARES)
				Total Conn. Load:	153894 VA	
				Total Amps:	427 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
01 EXISTING LOAD (NEC 220.87)	0 VA	0.00%	0 VA		
02 RECEPTACLES (NEC 220.44)	6500 VA	100.00%	6500 VA	Total Conn. Load:	153894 VA
03 INTERIOR LIGHTING (NEC T220.12)	2963 VA	125.00%	3703 VA	Total Est. Demand:	152541 VA
04 EXTERIOR LIGHTING	1544 VA	125.00%	1930 VA	Total Conn.:	427 A
05 EQUIPMENT (NEC 430.24)	38048 VA	100.00%	38048 VA	Total Est. Demand:	423 A
06 FANS	3708 VA	125.00%	4635 VA		
07 SPACE HEATING (NEC 220.60)	47165 VA	100.00%	47165 VA		
08 SPACE COOLING (NEC 220.60)	23009 VA	100.00%	23009 VA		
09 KITCHEN EQUIPMENT (NEC 220.87)	1476 VA	100.00%	1476 VA		
10 ELEVATORS (NEC 620.14)	0 VA	0.00%	0 VA		
11 LARGEST MOTOR (NEC 220.50)	0 VA	0.00%	0 VA		
12 FUTURE LOAD GROWTH	0 VA	0.00%	0 VA		

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100% CONSTRUCTION DOCUMENTS

consultant

revisions

1	ADDENDUM #01	10.06.23

EMERGENCY MEDICAL SERVICES STATION NO. 3

KENDALL COUNTY , TEXAS

project number
22-41
date
08/15/2023

Beaty Palmer Architects, Inc.
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sheet number
E5.1

BEATY PALMER ARCHITECTS

ELECTRICAL -- EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT TAG	VOLTAGE / PHASE	KW HEAT	MOTOR (HP)	FLA	MCA	MOCP	DISCONNECT MEANS	NEMA RATING	WIRE & CONDUIT	PANEL	CIRCUIT	NOTES
CEILING FAN												
CF-1	120/1		36W	1.0 A	1.3 A	15 A	MOTOR RATED SWITCH	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	P2	14	6
CF-2	120/1		36W	1.0 A	1.3 A	15 A	MOTOR RATED SWITCH	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT			6
CF-3	120/1		36W	1.0 A	1.3 A	15 A	MOTOR RATED SWITCH	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	P2	14	6
CF-4	120/1		36W	1.0 A	1.3 A	15 A	MOTOR RATED SWITCH	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	P2	14	6
CF-5	120/1		36W	1.0 A	1.3 A	15 A	MOTOR RATED SWITCH	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	P2	14	6
CF-6	120/1		36W	1.0 A	1.3 A	15 A	MOTOR RATED SWITCH	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	P2	14	6
CONDENSING UNITS												
CU-1	208/1	-	-	12.2 A	15.3 A	25 A	240V, 60A, NF, HD	NEMA 3R	2#10, 1#10GND, IN 3/4" CONDUIT	AC	14,16	4
CU-2	208/1	-	-	27.4 A	34.3 A	60 A	240V, 60A, NF, HD	NEMA 3R	2#8, 1#10GND, IN 3/4" CONDUIT	AC	18,20	4
CU-3	208/1	-	-	15.9 A	19.9 A	30 A	240V, 60A, NF, HD	NEMA 3R	2#10, 1#10GND, IN 3/4" CONDUIT	AC	22,24	4
CU-4	208/1	-	-	19.2 A	24.0 A	40 A	240V, 60A, NF, HD	NEMA 3R	2#10, 1#10GND, IN 3/4" CONDUIT	AC	26,28	4
DRYER EXHAUST BOOSTER												
BF-1	120/1			4.4 A	5.5 A	15 A	MOTOR RATED SWITCH	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	P1	19	
ELECTRIC UNIT HEATER												
EUH-1	120/1	1.5	-	12.5 A	15.6 A	20 A	240V, 30A, NF, HD	NEMA 1	2#10, 1#10GND, IN 3/4" CONDUIT	P2	20	
EUH-2	208/1	3.3	-	14.4 A	18.0 A	30 A	240V, 30A, NF, HD	NEMA 1	2#10, 1#10GND, IN 3/4" CONDUIT	P2	16,18	
ELECTRIC WATER HEATER												
EWH-1	208/3	9	-	25.0 A	31.3 A	35 A	240V, 60A, NF, HD	NEMA 1	2#8, 1#10GND, IN 3/4" CONDUIT	AC	8,10,12	-
EXHAUST FANS												
EF-1	120/1	-	1/2	8.0 A	10.0 A	20 A	20A MOTOR RATED SWITCH	NEMA 3R	2#12, 1#10GND, IN 3/4" CONDUIT	AC	1	1
EF-2	120/1	-	128W	2.0 A	2.5 A	20 A	-	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	AC	3	3
EF-3	120/1	-	128W	2.0 A	2.5 A	20 A	-	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	AC	5	2
EF-4	120/1	-	128W	2.0 A	2.5 A	20 A	-	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	AC	7	2
EF-5	120/1	-	128W	2.0 A	2.5 A	20 A	-	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	AC	9	2
EF-6	120/1	-	128W	2.0 A	2.5 A	20 A	-	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	AC	11	2
EF-7	120/1	-	128W	4.0 A	5.0 A	20 A	-	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	AC	30	-
HOT WATER RECIRCULATION PUMP												
HWRP-1	120/1	-	1/6	2.5 A	3.1 A	15 A	20A MOTOR RATED SWITCH		2#12, 1#10GND, IN 3/4" CONDUIT	AC	32	
INDOOR FAN COIL UNITS												
FCU-1	208/1	-	1/2	55.8 A	69.7 A	70 A	240V, 100A, NF, HD	NEMA 1	2#4, 1#8 GND, IN 3/4" CONDUIT	AC	13,15	4
FCU-2	208/1	-	1/2	54.7 A	68.4 A	70 A	240V, 100A, NF, HD	NEMA 1	2#4, 1#8 GND, IN 3/4" CONDUIT	AC	17,19	4
FCU-3	208/1	-	1/2	39.4 A	49.3 A	50 A	240V, 60A, NF, HD	NEMA 1	2#6, 1#8 GND, IN 3/4" CONDUIT	AC	21,23	4
FCU-4	208/1	-	3/4	55.8 A	69.7 A	80 A	240V, 100A, NF, HD	NEMA 1	2#4, 1#8 GND, IN 3/4" CONDUIT	AC	25,27	4
MINI-SPLIT UNIT												
MSCU-1	208/1	9		8.0 A	10.0 A	15 A	240V, 30A, NF, HD	NEMA 3R	2#12, 1#10GND, IN 3/4" CONDUIT	AC	4,6	5
MSIU-1	208/1	-	-	1.0 A	1.3 A	0 A	MOTOR RATED SWITCH	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	AC	4,6	5
RADIANT UNIT HEATERS												
IUH-1	120/1	-	-	1.0 A	1.3 A	15 A	MOTOR RATED SWITCH	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	AC	29	
RANGE HOOD & FAN												
RH-1	120/1	-	-	1.0 A	1.3 A	15 A	MOTOR RATED SWITCH	NEMA 1	2#12, 1#10GND, IN 3/4" CONDUIT	P2	28	

NOTES (EQUIPMENT CONNECTION SCHEDULE):

1. PROVIDE EXHAUST FAN WITH PRE-WIRED DISCONNECT.
2. INDICATED EXHAUST FAN SHALL BE CONTROLLED BY LIGHT SWITCH IN CORRESPONDING ROOM. REFER TO MECHANICAL DRAWING AND ELECTRICAL LIGHTING PLAN.
3. PROVIDE WITH WALL MOUNTED ON/OFF SWITCH, SEPARATE FROM LIGHT SWITCH.
4. PROVIDE SINGLE POINT POWER CONNECTION FOR FAN COIL UNIT. PROVIDE SEPARATE SINGLE POINT POWER COONNECTION FOR CONDENSING UNIT.
5. MINI-SPLIT INSIDE FAN UNIT SHALL BE SUPPLIED FROM CONDENSING PUMP.
6. CEILING FAN LED LIGHT AND CAN LIGHTS IN DORMITORY SHALL BE CONTROLLED BY DIMMER SWITCH. FAN MOTOR SHALL BE CONTROLLED BE CEILING FAN SWITCH.

1

PANEL: WP-1

LOCATION: WELL HOUSE EQUIPMENT RACK **MAINS RATING &...** 60 A MCB **ENCLOSURE:** NEMA 3R
SUPPLY FROM: P1 **BUS RATING:** 100 A **MOUNTING:** RACK MOUNTED
VOLTAGE: 120/208 Wye, 3PH, 4W **NEUTRAL RATING:** 100.00% **CIRCUIT BREAKER...** BOLT-ON
INTERRUPTING: 10,000 **PROVIDE:** NEUTRAL BUS, GROUND BUS

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	DOMESTIC WATER BST PUMP	30 A	2	1945	1144					2	20 A	IRRIGATION PUMP	2
3						1945	1144						4
5	WELL PUMP	20 A	2					1373	0	2	20 A	SPARE	6
7				1373	0								8
9	WELL HOUSE UH [1]	20 A	1			500	250			1	20 A	IRRIGATION CONTROLLER	10
11	RECEPTACLE - WELL HOUSE	20 A	1					180	180	1	20 A	RECEPTACLE - EQUIPMENT RACK	12
13	LIGHTS - WELL HOUSE	20 A	1	250	250					1	20 A	WELL HOUSE CONTROLS & ALARM	14
15	SPARE CIRCUIT BREAKER [1]	20 A	1			0	0			1	20 A	SPARE CIRCUIT BREAKER	16
17	PREPARED SPACE	--	1					--	--	1	--	PREPARED SPACE	18
19	PREPARED SPACE	--	1	--	--					1	--	PREPARED SPACE	20
21	PREPARED SPACE	--	1			--	--			1	--	PREPARED SPACE	22
23	PREPARED SPACE	--	1					--	--	1	--	PREPARED SPACE	24

NOTES:

[1]	PROVIDE GFCI CIRCUIT BREAKER	[6]	
[2]		[7]	
[3]		[8]	
[4]		[9]	
[5]		REVISION:	CNG ENGINEERING, PLLC R3.0

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
01 EXISTING LOAD (NEC 220.87)	0 VA	0.00%	0 VA
02 RECEPTACLES (NEC 220.44)	0 VA	0.00%	0 VA
03 INTERIOR LIGHTING (NEC T220.12)	0 VA	0.00%	0 VA
04 EXTERIOR LIGHTING	0 VA	0.00%	0 VA
05 EQUIPMENT (NEC 430.24)	0 VA	0.00%	0 VA
06 FANS	0 VA	0.00%	0 VA
07 SPACE HEATING (NEC 220.60)	0 VA	0.00%	0 VA
08 SPACE COOLING (NEC 220.60)	0 VA	0.00%	0 VA
09 KITCHEN EQUIPMENT (NEC 220.87)	0 VA	0.00%	0 VA
10 ELEVATORS (NEC 620.14)	0 VA	0.00%	0 VA
11 LARGEST MOTOR (NEC 220.50)	0 VA	0.00%	0 VA
12 FUTURE LOAD GROWTH	0 VA	0.00%	0 VA

PANEL TOTALS	TOTAL CONNECTED VA	TOTAL CONNECTED A
PHASE A:	4962 VA	44 A
PHASE B:	3839 VA	35 A
PHASE C:	1733 VA	14 A
TOTAL CONNECTED LOAD:	10534 VA	
TOTAL DEMAND LOAD:	**10534 VA**	
TOTAL CONNECTED...	29 A	
TOTAL DEMAND CURRENT:	**29 A**	

PANEL: SEP-1

LOCATION: **MAINS RATING &...** 60 A MCB **ENCLOSURE:** NEMA 3R
SUPPLY FROM: P1 **BUS RATING:** 100 A **MOUNTING:** RACK MOUNTED
VOLTAGE: 120/208 Wye, 3PH, 4W **NEUTRAL RATING:** 100.00% **CIRCUIT BREAKER...** BOLT-ON
INTERRUPTING: 10,000 **PROVIDE:** NEUTRAL BUS, GROUND BUS

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	SEPTIC SYSTEM [1], [2]	20 A	1	0	0					1	20 A	RECEPTACLES - EQUIPMENT RACK [1]	2
3	SEPTIC SYSTEM [1], [2]	20 A	1			0	0			1	20 A	SPARE [1]	4
5	SEPTIC SYSTEM [2]	20 A	2					0	0	1	20 A	SPARE [1]	6
7				0	--					1	--	PREPARED SPACE	8
9	PREPARED SPACE	--	1			--	--			1	--	PREPARED SPACE	10
11	PREPARED SPACE	--	1					--	--	1	--	PREPARED SPACE	12
13													14
15													16
17													18

NOTES:

[1]	PROVIDE GFCI CIRCUIT BREAKER	[6]	
[2]		[7]	
[3]		[8]	
[4]		[9]	
[5]		REVISION:	CNG ENGINEERING, PLLC R3.0

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
01 EXISTING LOAD (NEC 220.87)	0 VA	0.00%	0 VA
02 RECEPTACLES (NEC 220.44)	0 VA	0.00%	0 VA
03 INTERIOR LIGHTING (NEC T220.12)	0 VA	0.00%	0 VA
04 EXTERIOR LIGHTING	0 VA	0.00%	0 VA
05 EQUIPMENT (NEC 430.24)	0 VA	0.00%	0 VA
06 FANS	0 VA	0.00%	0 VA
07 SPACE HEATING (NEC 220.60)	0 VA	0.00%	0 VA
08 SPACE COOLING (NEC 220.60)	0 VA	0.00%	0 VA
09 KITCHEN EQUIPMENT (NEC 220.87)	0 VA	0.00%	0 VA
10 ELEVATORS (NEC 620.14)	0 VA	0.00%	0 VA
11 LARGEST MOTOR (NEC 220.50)	0 VA	0.00%	0 VA
12 FUTURE LOAD GROWTH	0 VA	0.00%	0 VA

PANEL TOTALS	TOTAL CONNECTED VA	TOTAL CONNECTED A
PHASE A:	0 VA	0 A
PHASE B:	0 VA	0 A
TOTAL CONNECTED LOAD:	0 VA	
TOTAL DEMAND LOAD:	**0 VA**	
TOTAL CONNECTED...	0 A	
TOTAL DEMAND CURRENT:	**0 A**	

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PROFESSIONAL ENGINEER
10-6-23

EMERGENCY MEDICAL SERVICES STATION NO. 3

KENDALL COUNTY , TEXAS

project number
22-41
date
08/15/2023

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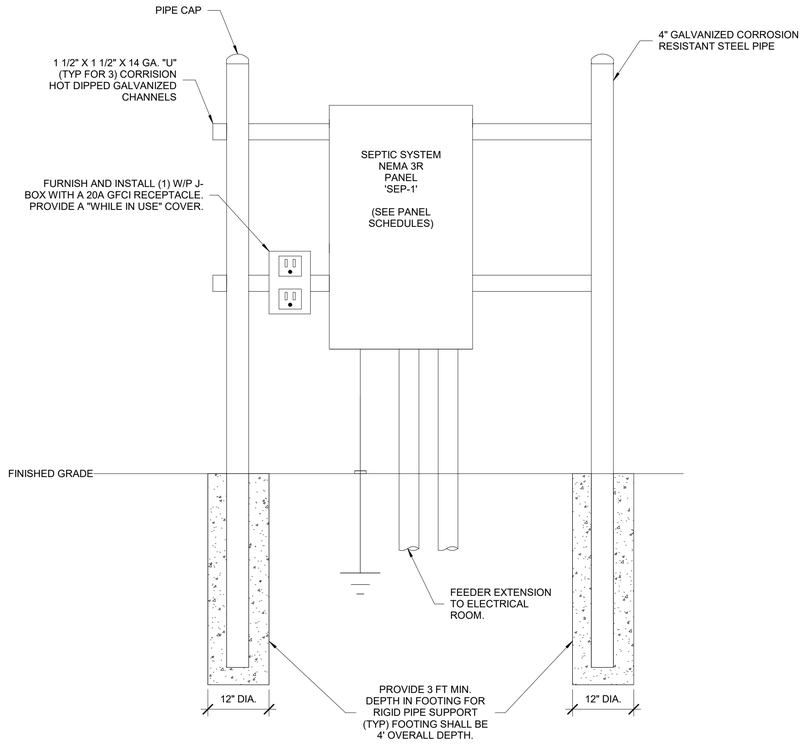
sheet number
E5.2

BEATY PALMER ARCHITECTS

GENERAL NOTES (DETAIL 1 ONLY):

1. REFER TO THE ONE-LINE DIAGRAM ON SHEET E4.1 FOR FEEDER SIZING AND ADDITIONAL REQUIREMENTS.

2. REFER TO SHEET E1.0 FOR APPROXIMATE LOCATION.

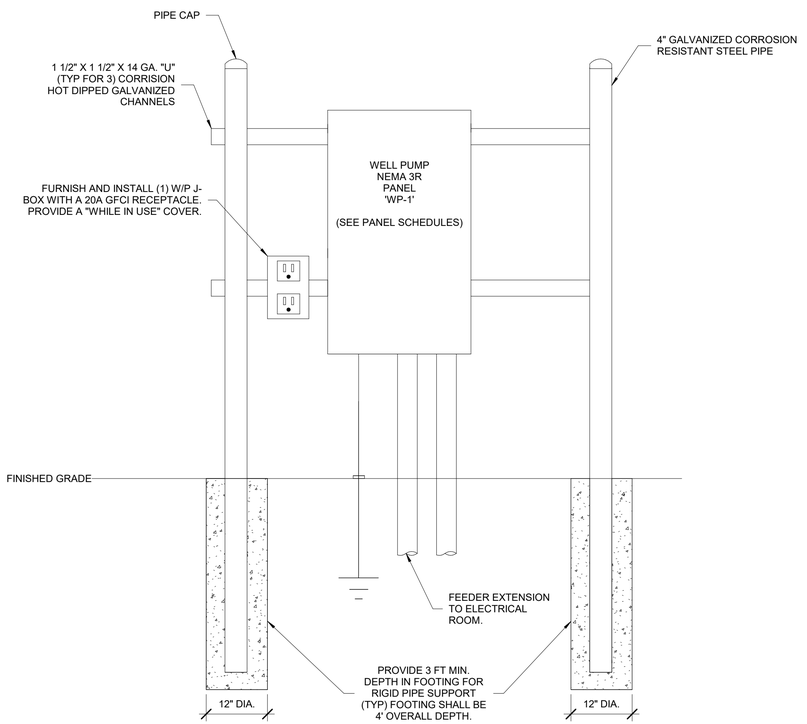


1 ELECTRICAL SEPTIC EQUIPMENT RACK DETAIL
NOT-TO-SCALE

GENERAL NOTES (DETAIL 2 ONLY):

1. REFER TO THE ONE-LINE DIAGRAM ON SHEET E4.1 FOR FEEDER SIZING AND ADDITIONAL REQUIREMENTS.

2. REFER TO SHEET E1.0 FOR APPROXIMATE LOCATION.



2 ELECTRICAL WELL PUMP EQUIPMENT RACK DETAIL
NOT-TO-SCALE

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PROFESSIONAL ENGINEER
10.13.2023

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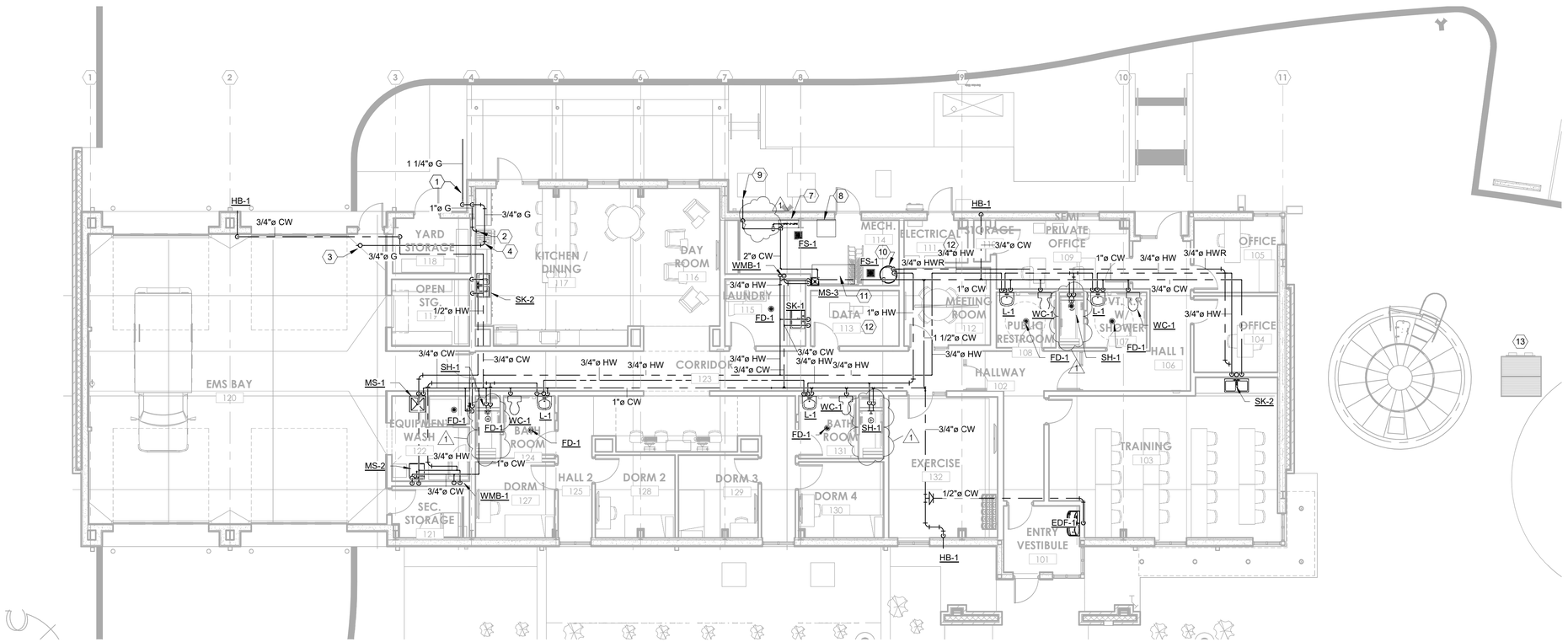

KEYED NOTES:

1. 1-1/4" GAS PIPE UNDER GROUND. 11" W.C. GAS PRESSURE EXPECTED FROM TANK. SLEEVE AND VENT GAS PIPE UNDER CONCRETE. REFER TO CIVIL FOR COORDINATION. PROVIDE SHUT OFF VALVE AT RISER.
2. 1" GAS SERVICE TO STOVE. PROVIDE SOLONOID VALVE AS REQUIRED FOR INTEGRATION WITH ANSUL SYSTEM. FIELD COORDINATE WITH KITCHEN CONSULTANT, DIVISION 26 AND DIVISION 23 FOR EMERGENCY SHUTOFF SYSTEM INTEGRATION.
3. 3/4" CONNECTION TO RADIANT HEATER. PROVIDE 6" DIRT LEG AND SHUT OFF VALVE. FILED COORDINATE FINAL CONNECTION. PROVIDE CORRIGATED STAINLESS STEEL FLEX HOSE FOR FINAL CONNECTION TO RADIANT HEATER.
4. 3/4" GAS PIPE ABOVE CEILING.
5. NOT USED.
6. NOT USED.
7. ROUTE 2" TAP FROM DOMESTIC WATER TO SERVE FIRE PROTECTION. PROVIDE DOUBLE CHECK DETECTOR BACKFLOW PREVENTOR TO SERVE CLASS D FIRE SPRINKLER SYSTEM. REFER AND COORDINATE WITH FIRE PROTECTION CONSULTANT DRAWINGS.
8. CLASS D FIRE PROTECTION SPRINKLER SYSTEM. REFER TO FIRE SPRINKLER CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION.
9. 2" DOMESTIC WATER. REFER TO CIVIL FOR CONTINUATION. BACKFLOW PREVENTOR AND DOMESTIC BOOSTER PUMP TO BE LOCATED AT WATER TANK WELL HOUSE AND PROVIDED BY OTHERS. COORDINATE WITH TANK EQUIPMENT ARCHITECT AND TANK CONSULTANT.
10. EWH-1 AND HWRP-1. REFER TO WATER HEATER PIPING DETAIL FOR ADDITIONAL INFORMATION.
11. LOCATION FOR FUTURE WATER SOFTENER SYSTEM.
12. DO NOT ROUTE ANY WATER LINES OVER ELECTRICAL ROOM OR DATA ROOM.
13. DOMESTIC WATER TANK AND PUMP SYSTEMS BY OTHERS. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION. PUMP SHALL BE CAPABLE OF PROVIDING 41 GPM AT 60-70PSI. PROVIDE WATTS DETA-100 PRESSURE TANK OR APPROVED EQUAL TO BE LOCATED AT WELL HOUSE. WELL FLOAT CONTROL SYSTEM SHALL MAINTAIN 14,000 GALLONS IN TANK AT ALL TIMES. ALL EXTERIOR PIPING SHALL BE INSULLATED AND PROVIDED WITH METAL JACKET.

north **1 PLUMBING FLOOR PLAN -DOMESTIC WATER & GAS**
1/8" = 1'-0"

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STATE OF TEXAS
JOSHUA BAUMGARTNER
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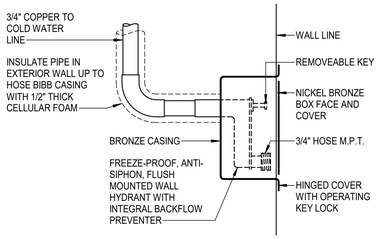
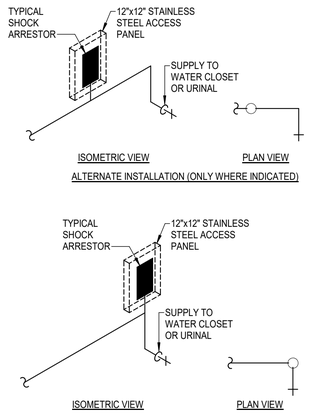


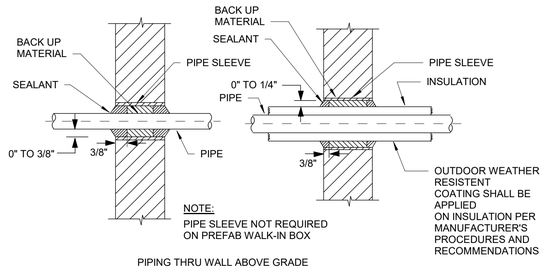
NOTES:

1. MOUNT HOSE BIBBS AT WALL INTERSECTIONS IF REQUIRED TO CONCEAL CONNECTIONS ON BACK.

1 WALL HYDRANT DETAIL
NOT TO SCALE



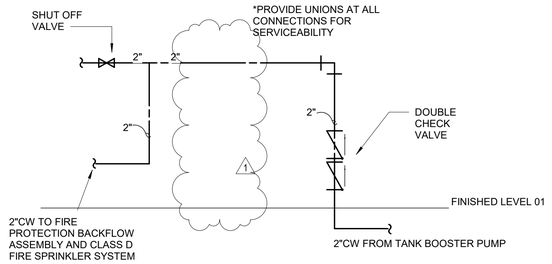
2 SHOCK ARRESTOR DETAIL
NOT TO SCALE



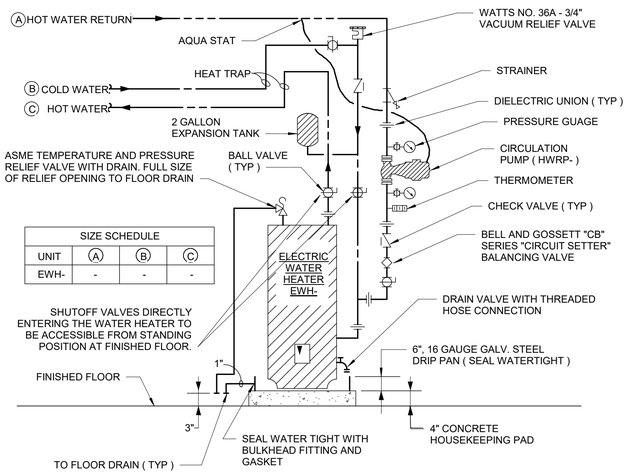
NOTE:
PIPE SLEEVE NOT REQUIRED ON PREFAB WALK-IN BOX

PIPING THRU WALL ABOVE GRADE

3 PIPING THROUGH WALL ABOVE GRADE
NOT TO SCALE

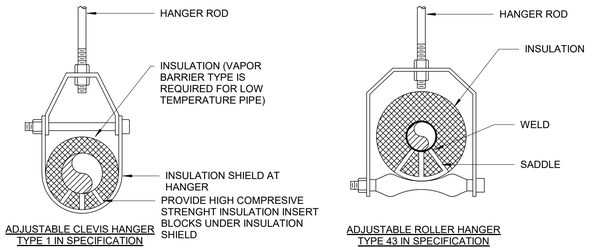


4 CW ENTRY DETAIL
NOT TO SCALE



SIZE SCHEDULE			
UNIT	A	B	C
EWH-	-	-	-

5 ELECTRIC WATER HEATER DETAIL
NOT TO SCALE



ADJUSTABLE CLEVIS HANGER TYPE 1 IN SPECIFICATION

ADJUSTABLE ROLLER HANGER TYPE 43 IN SPECIFICATION

SIDE VIEW

TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

MAXIMUM PIPE/TUBING SUPPORT SPACING, FEET																		
NOM. SIZE	THRU 3/4"	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
PIPE	7 FT	7	7	9	10	11	12	14	16	17	19	22	23	25	27	28	30	32
TUBING	5 FT	6	7	8	8	9	10	12	13	14	16	-	-	-	-	-	-	-
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE																		

6 TYPICAL PIPE HANGER DETAIL2
NOT TO SCALE

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ARCHITECT
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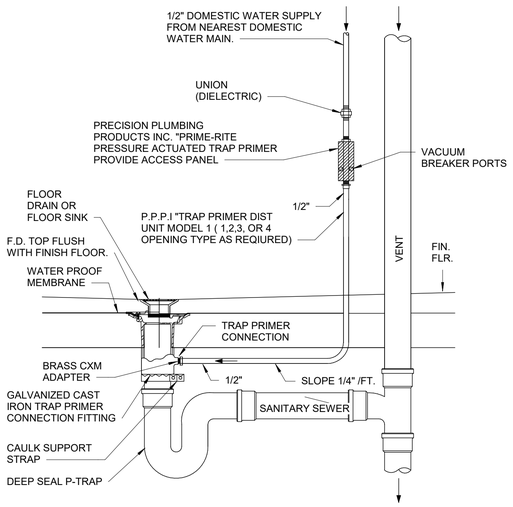
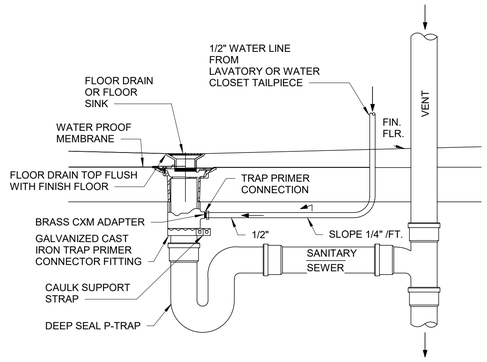
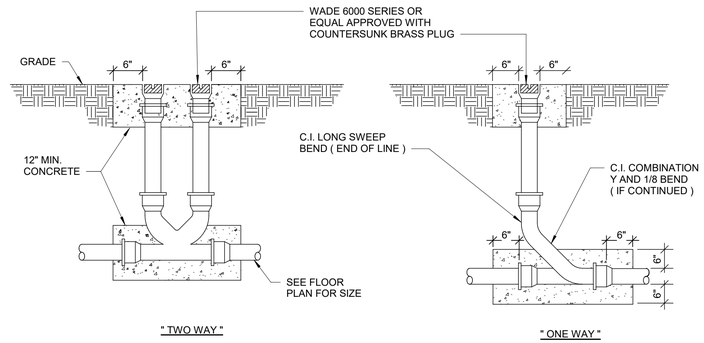
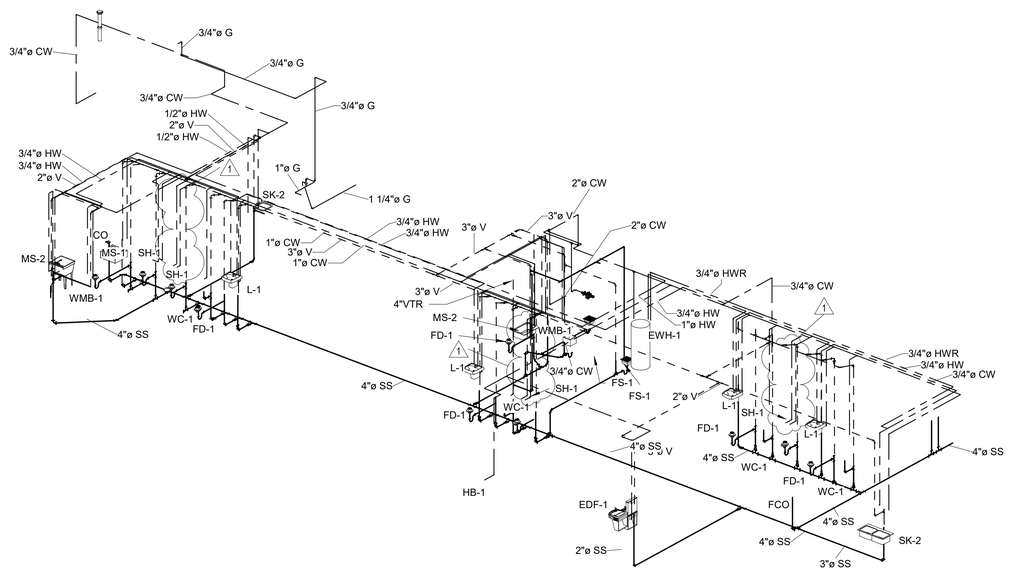






1 TRAP PRIMER DETAIL
NOT TO SCALE

2 YARD CLEANOUT DETAIL
NOT TO SCALE



3 PLUMBING ISOMETRICS

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