Addendum No. 4

To: Prospective Bidders

From: Shannon McIntyre
City of Mobile Architectural Engineering Department

Re: Mims Park – Athletic Restrooms and Concessions

Project #PR-048-24B

Date: November 12, 2024

This Addendum forms a part of, and modifies, the Request for Bids, for the above referenced project, dated October 16, 2024. Acknowledge the receipt of this Addendum No. 4, and all subsequent addenda, in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

General:

Clarifications:

Item 1. Submittals for all RFI's (Request for Information) will only be accepted by **Friday, November 15, 2024 at 2:00 pm**. Any questions after this time will not be addressed in future addenda.

Item 2. An updated Issued for Construction set of plans will be issued to the awarded Contractor at by time of Notice to Proceed. These plans will be updated to correspond with all RFI's in issued Addendum.

Item 3. Remove the following Specifications:
Section 06 41 13 – Architectural Wood Casework
Section 06 41 16 – Plastic-Laminate-Clad Architectural Cabinets
Section 09 51 23 – Acoustical Tile Ceilings

Item 4. Replace the spec sections noted below with the same titled spec sections attached:
Section 08 83 00 – Mirrors
Section 08 33 40 - Rolling Counter Doors

Item 5. Add the following specifications:
Section 08 11 10 – Standard Steel Doors and Frames

Item 6. Change to Section 08 71 10 Door Hardware: For maintenance purposes, one unit of each provided door hardware item shall be supplied to the City of Mobile upon completion of project.

Item 7. Project to include additional hose bibb and drinking fountain. See attached plumbing drawings.

Pre-Bid Submittals:

Item 1.

RFI's:

Item 1.

Q: Div 2 Specifications do not indicate Termite Treatment is required. Please confirm Termite Treatment will not be a requirement of this project.

A: As a clarification, yes, termite treatment is required. Please see attached Spec 31 31 16, Termite Control as a part of the project manual.

Item 2.

Q: Reference L100 -Sod Watering Note. All newly sodded areas must be watered by hand twice weekly for 3 months for a min. of ½" precipitation after substantial completion as part of the base bid or for 12 months if the maintenance alternate is taken. Currently there is no Maintenance Alternate listed on the Bid Form issued in Addendum #2. Please provide specifications for Maintenance Alternate or clarify if the owner will provide sod watering.

A: Strike the following note: ~~All newly sodded areas must be watered by hand twice weekly for 3 months for a min. of ½" precipitation after substantial completion as part of the base bid or for 12 months if the maintenance alternate is taken.~~

REPLACE THE NOTE WITH: All newly sodded areas shall be watered by hand at a minimum of twice weekly for a minimum of ½" precipitation during construction and for the three months

following substantial completion. Any sod that dies during this period shall be replaced at no cost to the owner.

Item 3.

Q: For the conversion of the GI to a JB, we need to know size of existing structure and how many VF you will need. This may need to be cast in place, but we can furnish the ring & cover.

A: City of Mobile has cleaned out the existing drainage infrastructure for contractors to inspect existing conditions prior to bid date.

Item 4.

Q: I have included three pics from the ballpark. One of each service of the building that's going to stay, the batting cage, and the building that's being demolished. Currently on the building being demoed there are 2 meter bases that are being fed from the utility pole. Please clarify what these two-meter bases are feeding. We would like to confirm that one of them is not feeding something else in the park that will require power.

A: Both services are to be completely removed. The press box south of the concession building is currently fed from the service the serves the restroom lights.

The feeder for the press box is to be removed, relocated and replaced new per revised electrical plans included in this addendum. Sheets E3.0, E4.0, & E7.0 have been revised to reflect these changes.

Item 5.

Q: Based on the new sewer connection, who will be responsible for the sewer tap? Not sure the existing will work if its compromised clay pipe.

A: Change Order will be issued if sewer tap is necessary and paid by contractor

Item 6.

Q: SUBJECT: RFI 11 Gypsum Partitions, REFERENCE DRAWING: A3.2, A3.1
Detail #1 on page A3.2 indicates 5/8" gyp. on concession wall, detail #2 same page indicates ½" gpy. on that wall and this detail is the one originating on the floor plan, whereas the #1 detail on states that the partition is at the concession section, but I couldn't find the origination point for that detail. Please advise ½" or 5/8"?

A: 5/8" Fiberglass faced Gypsum

Page A3.1 Building section #1 at toilet room number 8 indicates to see detail 3/A6.2, this detail

indicates fiberglass faced gyp. Is this to be used through-out all the locations of gyp. to install on horizontal ceiling surfaces? Please advise.

A: Replace 5/8" gypsum ceilings with 5/8" sanded pine plywood. Paint ceiling as scheduled. Trim 1x4 pine. 4' on center and at perimeter with #2

Item 7.

Q: SUBJECT: RFI 12 ADA SIGNAGE REFERENCE DRAWING: A 3.1

Are Interior ADA Signage flush or flag mounted?
Please confirm that the proper dimensions are 4" by 6" and 6" by 6".
Please confirm if there are ADA signage for the concession, janitor, storage, and chase.

A: Flush mounted 4x6 and 6x6 at the restroom only.

Item 8.

Q: SUBJECT: RFI 14 Davis Bacon Wages SPEC. SECTION: 00100-5
The specifications reference Davis-Bacon Wages. Could you please post the necessary schedule? The link in the specifications does not work.

A: Davis-Bacon is not required.

Item 9.

Q: SUBJECT: RFI 15 Metal Shelving and Counter REFERENCE DRAWING: Architectural

There are 3 metal tables, wall mounted in the concession, there is a metal counter outside of concession, and upper metal shelves in the concession. Are there specifications for these metal items?

A: Interior basis of design is Aero Manufacturing 3TWMB-2460 wall mount table. Exterior shelf shall be custom made to fit within rough opening of concession window. Provide 16ga. #304 Stainless Steel wrapped over ¾" marine grade plywood. Seal all joints. Provide stainless steel brackets at ends and middle.

Item 10.

Q: SUBJECT: RFI 16 Door Hardware SPEC. SECTION: 087100 Door Hardware
In Spec Section 087100 Page 1 E. references "see Division 01 for allowances" Is there an allowance for the door hardware?

A: Door hardware shall be included in the base bid.

Item11.

Q: S0.1 calls for all wood to No. 1 southern pine or better, 2x6 wood studs to be #1 southern yellow pine and for all plywood to be APA Structural 1 rated. Local wood suppliers do not carry this In stock and will have to be ordered in bulk. This will drive the cost significantly higher on the wood. Is the city open to other options when it comes to the type of wood used?

A: Plywood can be exterior grade plywood and not structural 1 but shall be the minimum thicknesses shown on the plans. 2 x 6 wood studs shall be no. 1 wood studs.

Item12.

Q: S0.1 refers to a Geotech report. I have not seen a report in the specs or in an addendum. Can we get a copy of this report?

A: Attached. It is the Contractor's responsibility to use means and methods necessary for footings installation.

Item13.

Q: Who is responsible for the impact fees for sewer and water taps?

A: Change order will be issued if sewer tap is necessary and paid by Contractor.

Item14.

Q: To my knowledge after speaking with a wood supplier, the joists "11 7/8 BCI 90s 2.0 are no longer made". I was told they would have to be 11 7/8" BCI 60s 2.0 instead. Please verify this is acceptable.

A: This is not acceptable.

Item 15.

Q: Is the GC responsible for providing the letters "MIMS" and the City of mobile Logo on the side of the building?

A: Yes.

Item16.

Q: The structural drawings appear to not be to scale. Will we get a revision with the correct scale?

A: Scale tags are correct. A copy of the structural drawings is attached printed to actual size.

Item 17.

Q: Per S1.1 the turn down footing supporting the perimeter of the building starts from the exterior face of the CMU wall and is approx. 2 foot to the inside. Per S1.2 the footing appears to be centered on the wall which would be consistent with note #7.

Please clarify the footing size and location. Please provide details of the footings. Please provide a detail of P1 with the 10 #7 around the perimeter.

A: Reference supplemental Amendment 4 Footing Details attached. Details to be stamped and incorporated in the final plans before construction.

Item 18.

The scale on C3.0 appears to be correct. The alternate concrete sidewalk would be 1,263 SF.
H100 Detail #1 Alternate is showing 886 SF of sidewalk alternate.

A: Reference Addendum 4 Sheet H100 for updated quantities

Item 19.

Q: A vandal proof outdoor water cooler is called out on the plumbing schedule but is not shown on the drawings. Please clarify.

A: There is no water cooler required for this project.

Item 20.

Item 21.

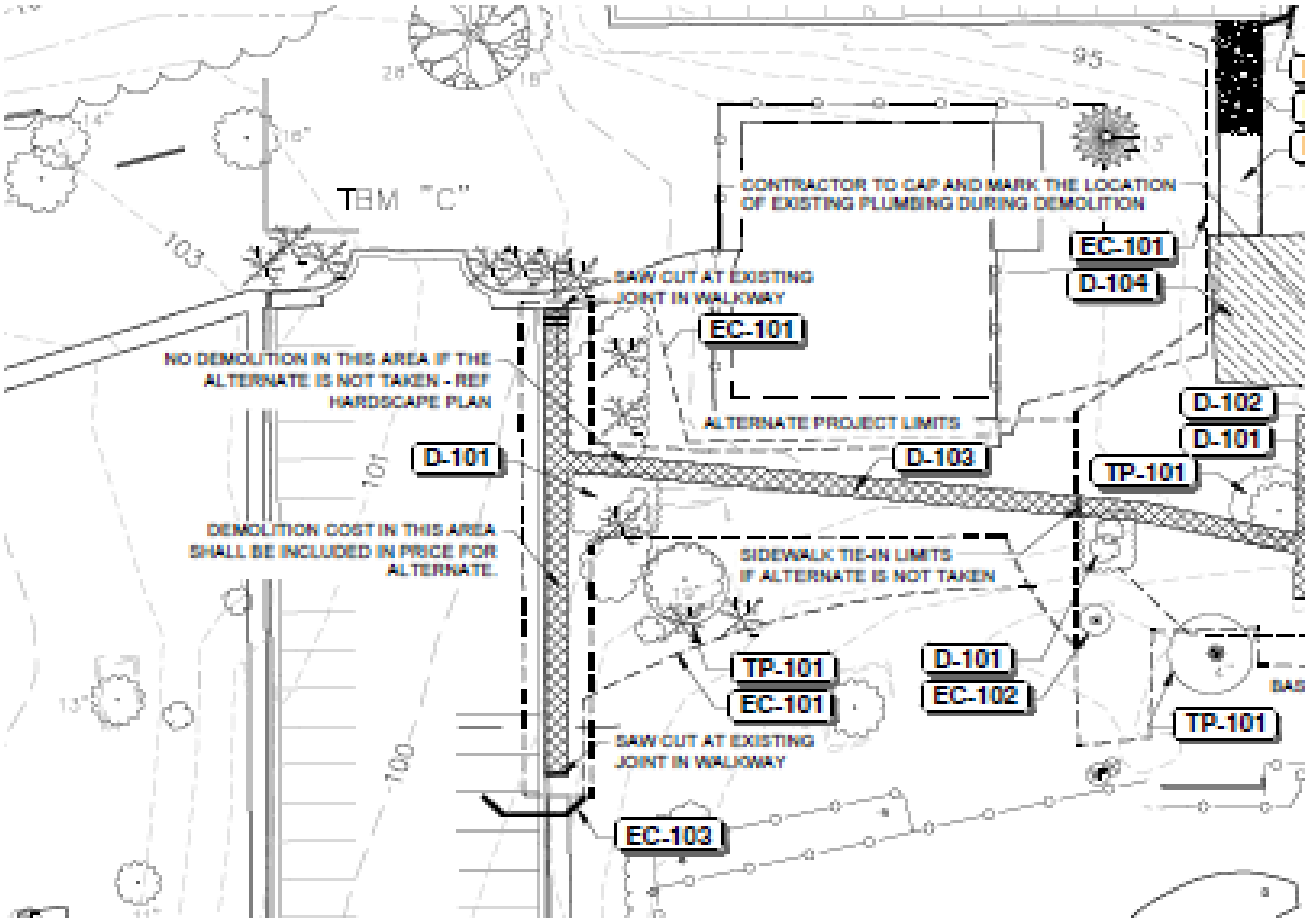
Q: A1.1 call for gypsum ceilings. Reflected ceiling plan shows ACT in concession in storage room.

A: Provide plywood ceilings as changed in Item 6 of this addendum.

Item 22.

Q: Please clarify which part of the sidewalk is part of alternate 1? Is it just the section between the new building and the parking lot or does the alternate include removing all sidewalks to the parking lot and along parking lot, installing new curb, stairs and all new sidewalks?

A: Sheets, D100 and H100 - outline the limits of the area included in the alternate. The demo of walks and curbs, sidewalk construction, striping, steps, and all construction aspects within the alternate boundary shall be included in the price for the alternate. A screen shot of the outlined



area is shown below.

Item 23.

Q: Alt #3 has FRP at toilet walls in lieu of gypsum. Finish schedule has CMU on these walls not gypsum.

A: Walls are CMU, there is no gypsum option. Alt 3 indicated FRP will be installed over CMU on wet walls.

Item 24.

Q: Manufacturer for handicap posts and signs?

A: No manufacturer is listed. Contractor is to provide shop drawings of post, post base, post caps, break aways and sign frame for approval by landscape architect. ADA signs are to be to City of Mobile standard. Provide color chart for steel post finish for approval.

Item 25.

Q: Louver "L1" manufacturer?

A: No louver manufacturer is listed. Louvers shall meet Specification 08 90 00.

Item 26.

Q: Is 4" of aggregate base required under all sidewalks and concrete?

A: Reference the updated plan set in this addendum for clarification on detail 1\H200 and 6/H200.

Item 27.

Q: Where does the 4" sock drain tie into at the stair location?

A: The sock pipe has been removed from the detail, refer to 7/H200. The rock base is to remain.

Item 28.

Q: Per the electrical drawings, electronic controls are indicated for the toilet stall doors. Please provide details.

A: Provide Securitron M32 Magnalock or approved equal for each door. Locks should be on a central timer with an interior override inside each stall.

Item 32.

Q: Can steel doors and frames be provided in lieu of FRP doors and frames?

A: The FRP Doors and Frames have been replaced with painted Hollow Metal Doors and Frames in the base bid. See the attached specification. Add Alternate #6 upgrades the Hollow Metal Doors and Frames to FRP. See revised bid form with Add Alternate #6.

ATTACHMENTS: All attached drawings and specifications to supersede previously issued drawings.

Section 31 31 16 - Termite Control
Geotech Report
Mims Amendment 4 Footing Details
Section 08 83 00 – Mirrors
Section 08 33 40 - Rolling Counter Doors
Section 08 11 10 - Standard Steel Doors and Frames
Revised Section 04 Section 00400 BID FORM
Revised 05 ACCOUNTING OF SALES TAX
FORM Drawing Cover Sheet
Drawing P1.0
Drawing P2.0
Drawing P3.0
Drawing P4.0

Drawing E3.0 Existing Electrical Site Plan Drawing
E4.0 New Work Electrical Site Plan Drawing
E7.0 Electrical Schedule and Details
Drawing S0.1
Drawing S0.2
Drawing S1.1
Drawing S1.2
Drawing S1.3
Drawing S1.4
Drawing S1.5
Drawing S1.6
Drawing S1.7
Drawing S3.1
Drawing S3.2
Drawing S3.3
Drawing S3.4
Drawing S3.5
Drawing H100 Hardscape Plan
Drawing H200 Hardscape Details

END OF ADDENDUM NO. 4

SECTION 31 31 16

TERMITE CONTROL

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Chemical soil treatment.

1.2 REFERENCE STANDARDS

A. Title 7, United States Code, 136 through 136y - Federal Insecticide, Fungicide and Rodenticide Act; United States Code; 1947 (Revised 2001).

1.3 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Indicate toxicants to be used, composition by percentage, dilution schedule, intended application rate.

C. Test Reports: Indicate regulatory agency approval reports when required.

D. Manufacturer's Application Instructions: Indicate caution requirements.

E. Manufacturer's Certificate: Certify that toxicants meet or exceed specified requirements.

F. Certificate of compliance from authority having jurisdiction indicating approval of toxicants.

G. Record moisture content of soil before application.

H. Warranty: Submit warranty and ensure that forms have been completed in Owner's name.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing this type of work and:
   1. Having minimum of 2 years documented experience.
   2. Approved by manufacturer of treatment materials.
   3. Licensed in the State in which the Project is located.

1.5 WARRANTY

A. See Section 017800 - Closeout Submittals, for additional warranty requirements.

B. Provide five year installer's warranty against damage to building caused by termites.
   1. Include coverage for repairs to building and to contents damaged due to building damage. Repair damage and, if required, re-treat.

PART 2 PRODUCTS

2.2 MIXES

A. Mix toxicant to manufacturer's instructions.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that soil surfaces are unfrozen, sufficiently dry to absorb toxicant, and ready to receive treatment.

B. Verify final grading is complete.

3.2 APPLICATION

A. Comply with requirements of U.S. EPA and applicable state and local codes.

B. Spray apply toxicant in accordance with manufacturer's instructions.

C. Apply toxicant at following locations:
   1. Under Slabs-on-Grade.
   2. At Both Sides of Foundation Surface.

D. Under slabs, apply toxicant immediately prior to installation of vapor barrier.

E. At foundation walls, apply toxicant immediately prior to finish grading work outside foundations.

F. Apply extra treatment to structure penetration surfaces such as pipe or ducts, and soil penetrations such as grounding rods or posts.

G. Re-treat disturbed treated soil with same toxicant as original treatment.

H. If inspection or testing identifies the presence of termites, re-treat soil and re-test.

3.3 PROTECTION

A. Do not permit soil grading over treated work.

END OF SECTION 31 31 16

GEOTECHNICAL ENGINEERING TESTING, INC.

~ Geotechnical Evaluations ~ Construction Materials Testing ~ Geosciences ~ Infrastructure Management Services ~

SOILS EXPLORATIONS AND GEOTECHNICAL ENGINEERING STUDIES FOR THE PROPOSED CITY OF MOBILE PARK IMPROVEMENTS AT MIMS PARK MOBILE, ALABAMA

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Geotechnical Engineering-Testing, Inc.

PROFESSIONAL ENGINEERS

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December 22, 2023

Mott MacDonald
107 Saint Francis Street
Suite 2900
Mobile, AL 36602

Attn.: Andrew Marasca, R.A.

Via Email: Andrew.Marasca@mottmac.com

Re: Soils Explorations and Geotechnical Engineering Studies for Building Addition at Mims Park, Mobile, Al

Dear Andrew:

Geotechnical Engineering-Testing, Inc. (GET) is pleased to submit this report of our soils explorations and geotechnical engineering evaluations for the proposed design and construction of the Building Additions at Mims Park, Mobile, Al. This report includes the results of the soils explorations program and our recommendations for site preparations, design and construction of building foundations for the currently planned structure.

The recommendations provided in the attached report are based in part on the project information provided to GET and only apply to the specific project and site discussed in the report.

Please call Curt Doyle, P.E. if you have any questions regarding this report.

Sincerely,

GEOTECHNICAL ENGINEERING-TESTING, INC.

Curt Doyle, P.E.
Principal Engineer
Alabama License No. 25733
Date: 12/22/2023

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APPENDICES

INTRODUCTION

Geotechnical Engineering-Testing, Inc. has completed the authorized soils explorations and geotechnical engineering studies for the proposed City of Mobile Park Improvements at Mims Park in Mobile, Alabama. This project will include a new recreational building at Mims Park. The soils explorations have included two exploratory soil borings, visual descriptions of the soils encountered, and laboratory tests on selected soil samples. The engineering study has included the planning, coordination, and supervision of the soils explorations program, evaluations of the results of the soils explorations, development of recommendations for site preparation, for building foundation design and construction, and the preparation of this report.

Our understanding of the project at hand was based on telephone and email correspondence with Mr. Andrew Marasca, R.A., of Mott McDonald, the project architect, and review of preliminary drawings that were provided to us. The proposed addition includes an approximately 40 ft by 72 ft single-story. We understand that the building at Mims park will be constructed with CMU walls. The finished floor elevation (FFE) is anticipated to be approximately 6 to 12 inches above the existing ground elevation.

Details of our findings and recommendations are presented in the following sections of this report.

SITE DESCRIPTION

Location

Mims Park is located between Dandale Dr and Grishilde Dr. The new facility at this park will replace an existing structure and is located in between the existing baseball field and the batting cages.

General Site Description

The proposed construction area is located south of the batting cages and north of the baseball field, on the north side of the park. Currently, much of the footprint of the proposed structure is covered by an existing bathroom facility.

Site Topography

The existing ground elevation of the all the sites is relatively flat. Based upon the drawings provided by Mott MacDonald, the ground elevation in the area of the proposed building has an approximate elevation of about +96 ft.

SOILS EXPLORATIONS PROGRAM

The procedures for the field exploration and laboratory testing programs utilized on this project are summarized in the following sections of this report.

Boring Locations

Two borings were planned near opposite corners of the planned structure. The boring locations were selected by our firm based on the preliminary drawings provided to us. These borings were performed very near or within the proposed footprint of the proposed building. Approximate soil test boring locations are shown on the Boring Location Plan included in Appendix A of this report. The Boring Location Plan was developed from the preliminary Site Plan provided on December 4, 2023.

Soils Explorations

The soil test borings extended to depths of about 15 to 20 ft below existing ground surface. These soil borings were performed using a truck-mounted CME 45 drill rig equipped with a cathead hammer. Boreholes were advanced using hollow stem augers were utilized to advance the borings. Standard penetration tests were performed, and split spoon soil samples were collected continuously to a depth of 7.5 ft, and at 2.5 ft intervals thereafter.

Boring and sampling operations were conducted in general accordance with standard procedures. Logs of Boring have been developed for the borings based upon the visual description of soils and laboratory tests. Depths where samples were collected and the results of the standard penetration tests are shown on the Logs of Boring included in Appendix B of this report.

Laboratory Testing

Selected samples were subjected to laboratory tests to aid the engineering evaluations. Tests included moisture content, Atterberg limits, and percent finer than a number 200 sieve. The tests were performed in general accordance with standard laboratory soil testing procedures. Test results are presented on the Logs of Boring opposite the samples tested and on the Summary of Laboratory Results and other test report forms in Appendix C of this report.

SUBSURFACE CONDITIONS

Findings of the subsurface conditions encountered during the soils exploration program are summarized in the following sections.

Subsurface Soils

Within the proposed building area approximately 0 to 1 inch of topsoil was encountered at the ground surface. It should also be noted that a portion of the proposed building area is currently covered by a portion of a paved drive section. Beneath the topsoil is a loose silty sand that extends to approximately 7 ft below the ground surface. Underlaying the upper silty sand is a loose to firm clayey sand that extends to about 12 ft in depth. Below the clayey sand layer is a dense to firm silty sand extending to boring termination.

Groundwater was not encountered at the time that the soil borings were performed. Delayed water level measurements were unavailable due to boreholes being immediately backfilled upon completion for safety purposes.

The soil borings provided with this report are representative of subsurface conditions at their respective locations and for their respective vertical reaches. However, local variations characteristic of the subsurface materials of the region are anticipated and may be encountered during construction. The boring logs and related information are based on the driller's logs and visual examination of selected samples in the laboratory. The delineation between soil types shown on the logs is approximate and the description represents the interpretation of subsurface conditions at the designated boring locations on the particular date drilled.

Groundwater elevations shown on the boring logs represent groundwater surfaces encountered on the dates shown. Fluctuations in water table levels should be anticipated throughout the year. Absence of groundwater data on certain borings implies that no data is available but does not necessarily mean that groundwater will not be encountered at these locations or within the vertical reaches of these borings in the future.

GEOTECHNICAL RECOMMENDATIONS

The recommendations provided below are based upon our understanding of the project as described in the **INTRODUCTION** of this report, the subsurface data collected, our engineering evaluations regarding the geotechnical matters, and our past experience on projects in proximity to this site and the typical climate conditions of the area. If our understanding of the project is incorrect, we should be provided accurate information and should be provided the opportunity to review our recommendations taking into consideration the new project information.

General Geotechnical Site Preparation

Below are general guidelines and recommendations for site preparation. The means and methods of construction will be the responsibility of the contractor.

- Clear the proposed building construction areas; these operations are anticipated to remove all deleterious items that cover the site such as topsoil, organics, debris, asphalt, concrete, rubble, etc.
- The upper 8 inches of the subgrade soils should be compacted to at least 100 % standard Proctor density (SPD) (ASTM D 698) in the building or to the satisfaction of the geotechnical engineer of record.
- Imported Select Fill soils to be utilized for backfill and fill should consist of select granular soils that are free of organics or deleterious materials, contain no more than about 25 % passing a #200 sieve, and that have a plasticity index of no more than 6. These materials should be placed in loose lifts no thicker than 8 inches and compacted.
- Select Fill soils placed below the top of foundation elevations should be compacted to at least a minimum 100 % SPD.

- Select Fill soils placed above the top of foundation elevations should be compacted to 98 % SPD.
- The in-situ soils within the upper 2-3 ft across the site are generally suitable for backfill/fill materials. However, it should be noted that some of these materials are moisture sensitive, particularly the clayey sand soils, and reuse of these materials may cause site work time delays.
- Representative samples of the Select Fill soils and/or in-situ subgrade soils should be collected for classification and laboratory Proctor density testing. The maximum dry density, optimum moisture content, gradation, and plasticity should be determined. These tests are needed for quality control of the compacted fill. During the site preparation phase, a representative of the geotechnical engineer should perform field density tests at a rate of one test for each 1000 square feet of area per lift of backfill/fill soils.

General Foundation Preparation Recommendations

Strip (wall) footings, with a concrete slab-on-grade floor system are anticipated for this project. Below are our general guidelines and recommendations for foundation soil preparation. The means and methods of construction will be the responsibility of the contractor.

- If unusual or questionable soil bearing conditions are encountered while performing foundation excavations, the geotechnical engineer of record should be contacted for appropriate recommendations.
- After foundation excavations, the top 12 inches of foundation bottoms shall be compacted to 100% SPD or the satisfaction of the geotechnical engineer of record.
- Excessive compaction of clayey soils may cause pumping and degradation of soils. Depending on soil and weather conditions, overexcavation may be required. If this is required, we recommend that the foundations be thickened (after concurrence with the structural engineer of record) or a lean concrete mud seal be placed.
- Field density tests should be performed every 50 feet along the bottom of wall footings and at the bottom of each column footing and for each lift of backfill soils placed.
- Foundation excavation bottoms should be level or suitably benched, and free of any loose soils that have been disturbed by seepage or the construction process.

- Loosened bearing soils should be recompacted or overexcavated and backfilled with lean concrete prior to placement of reinforcing steel.
- The foundation excavation bottoms should be stable under the weight of construction equipment and personnel.
- Shallow foundation construction should occur in the dry. Foundation excavations should be cut to final grade and footings constructed as soon as possible to minimize potential damage to bearing soils as result of exposure to the environment.
- Shallow foundations may be cast directly against the exposed, vertical, and horizontal, excavation faces.
- Excavations within compacted granular soils should be expected to remain vertical and stable while open only for short periods of time. Excavation collapse due to rainfall or other on-site activities should be repaired to design bearing levels prior to reinforcing steel placement.

Involvement of GET geotechnical engineers and technician personnel during site work and building foundation construction activities will help to verify that procedures and results are as recommended and as anticipated. Inadequate construction procedures or test results identified during this process should be addressed by the geotechnical engineer of record, otherwise the foundation recommendations provided below may not be applicable.

Building Foundations

The soils at the site are generally very loose to loose in the upper 10 to 15 ft. Based upon the loose density of the insitu soils, we recommend that foundations have a width of 2.0 to 2.5 ft and a minimum bearing depth of 2.0 ft below the lowest adjacent grade. Based upon these conditions, an allowable bearing capacity of 1500 pounds per square ft, psf, may be utilized for foundation design. It should be noted that foundations of greater width may cause excessive settlement.

Should a greater bearing capacity be required at any of the park locations, the foundations may be overexcavated to a depth of at least 2 ft below the foundation bearing elevation. The excavation shall be at least 2 ft wider than the planned foundation. The bottom of the excavation shall be compacted as described in the *General Foundation Preparation Recommendations* section above.

The excavations may be backfilled with the excavated materials or select fill. These materials shall be placed in maximum 8 inch loose lifts and compacted to 100% SPD. If the overexcavation and backfilling of materials is performed as described above, an allowable bearing capacity of 2000 psf may be utilized for foundations having a width of 2.0 to 3.0 ft and a minimum bearing depth of 2.0 ft below the lowest adjacent grade.

Floor Slab

After the subgrade soils and back/fill soils are compacted and placed as noted above in the *General Geotechnical Site Preparation* section, we recommend that at least 4 inches of free-draining granular soils or gravel be placed as a capillary moisture break immediately beneath the concrete floor slabs at each building location. Free-draining soils should consist of non-plastic sand or gravel with no more than 10% material passing the No. 200 sieve. These materials should be compacted until firm.

Long-Term Site Settlement

Based on our evaluation of subsurface conditions and the construction plans provided to date, long-term (post-construction) settlement at each proposed building site should be negligible.

Required Special Inspections

We recommend that the Geotechnical Engineer of Record be allowed to review the project plans and specifications after further plan development to establish the required Special Inspections and inspection frequency that will be required as related to the soils and foundations.

ENGINEERING SERVICES DURING CONSTRUCTION

The engineering recommendations provided in this report are based on the information obtained from the soils explorations and laboratory testing program. Regardless of the thoroughness of geotechnical explorations, there is a possibility that conditions at locations remote from borings will be different from those at specific boring locations and that conditions will not be as anticipated by the designers or constructors. In addition, the construction process may itself alter soil conditions. Therefore, we recommend that a representative of the geotechnical engineer of

record observe and document soil conditions encountered and the construction procedures used during the site preparation and foundation construction phases of the project. Unanticipated conditions and/or inadequate procedures should be reported to the design team along with timely recommendations to remediate such conditions or procedures. This representative could also perform the construction materials testing and Special Inspection services that are required.

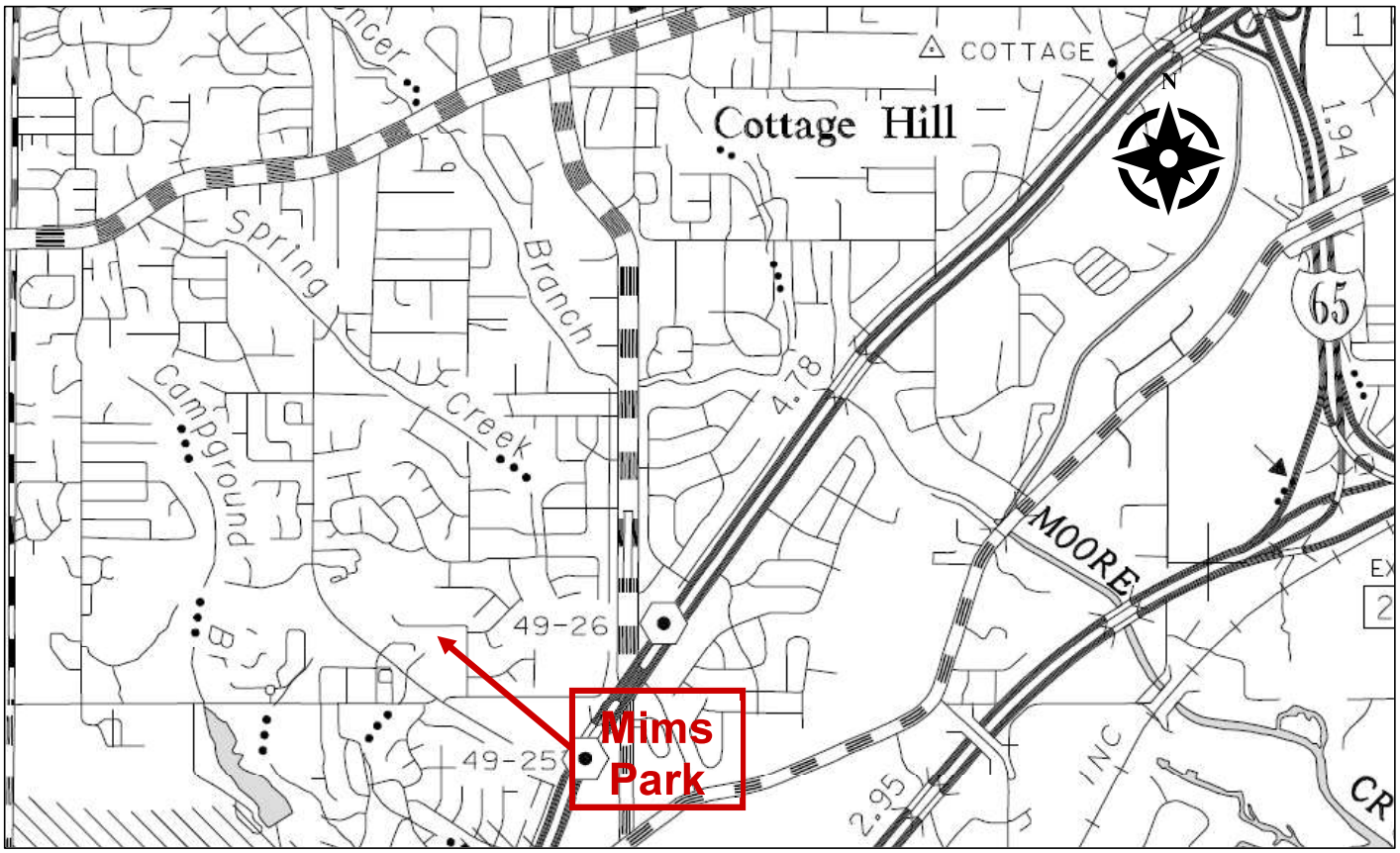
LIMITATIONS

This report concludes the authorized design phase geotechnical engineering services for the proposed City of Mobile Park Improvements at Mims Park in Mobile, Alabama. This geotechnical report has been prepared for the exclusive use of the owners and other members of the design/construction team for the specific project discussed in this document. In the event that any changes in the design or location or elevation of any of the project elements as outlined in this geotechnical report are planned, or if any structures are included or added that are not discussed in this document, the conclusions and recommendations contained herein shall not be considered valid unless the changes are reviewed, and the conclusions and recommendations modified or validated by GET.

We prepared this report to aid in the evaluation of this site and to assist in the design of the project. The recommendations provided are based in part on the project information provided to GET and only apply to the specific project and site discussed in this report. If the project description or stated assumptions are incorrect or if additional information is available, correct or additional information should be conveyed to GET. Recommendations can then be modified if warranted.

Our professional services for this project have been performed, findings obtained, and recommendations prepared in accordance with generally accepted engineering principles and practices. The services identified herein were completed in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality and under similar conditions as this project. No other representation, expressed or implied, is included or intended, and no warranty or guarantee is included or intended in this report or any other instrument of service.

FIGURES

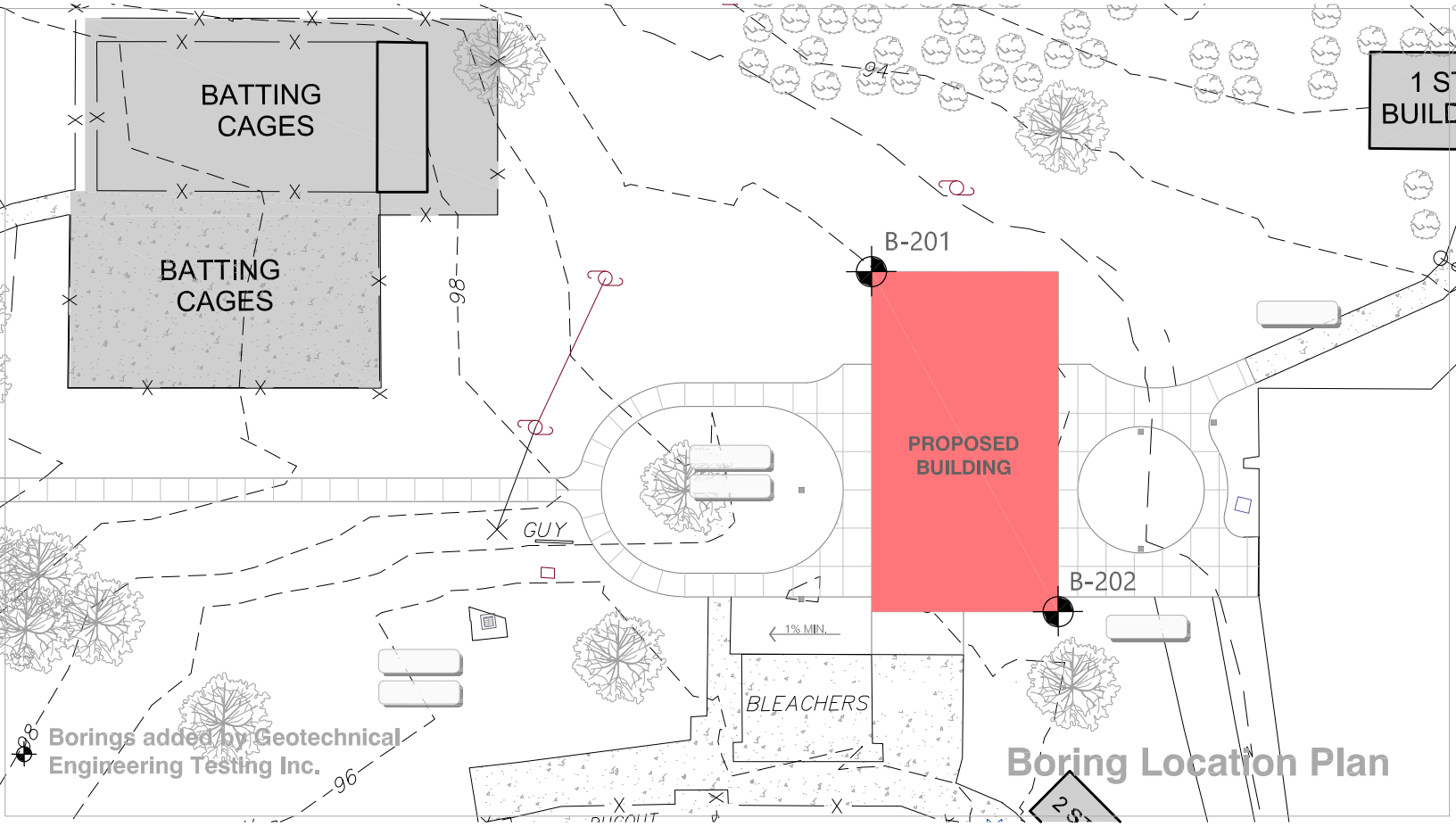


Source – General Highway Map Mobile County, Alabama, Alabama Dept. of Transportation, 2011

GEOTECHNICAL ENGINEERING TESTING, INC.	**City of Mobile Park** **Improvements at Mims Park** **Mobile, Al**	**Highway Location Map** **Figure 1**

APPENDIX A

BORING LOCATION PLAN


BATTING CAGES
BATTING CAGES
B-201
PROPOSED BUILDING
B-202
GUY
1% MIN.
BLEACHERS
94
98
96
Borings added by Geotechnical Engineering Testing Inc.
Boring Location Plan

APPENDIX B

BORING LOGS

PROJECT NAME:

G.E.T. PROJ. NUMBER:

PROJECT LOCATION:

DRILL RIG:

DRILL METHOD:

DRILL CREW:

DATE DRILLED:

BORING DEPTH: 0 FT.

BORING ELEV.:

DATUM:

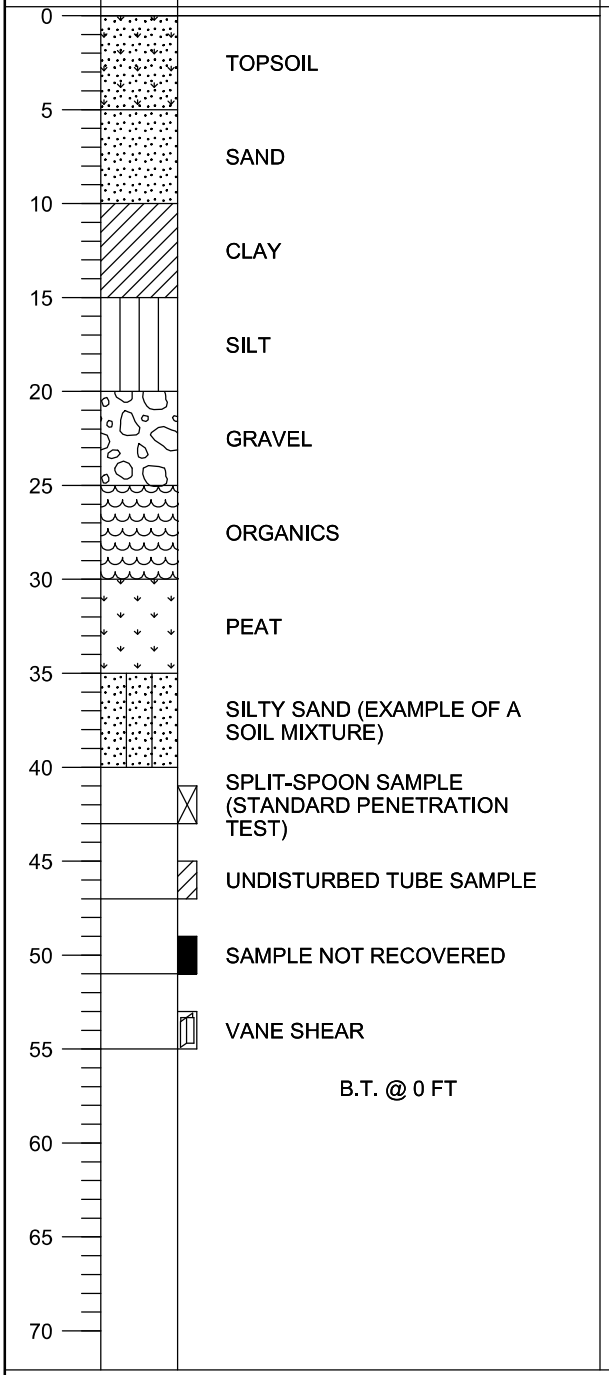
WATER DEPTH:

REMARKS:

GEOTECHNICAL ENGINEERING TESTING, INC.

BORING NUMBER: LEGEND

BORING LOCATION:



DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T. N_f	S.P.T. N_c	W.C. %	ATTERBERG LIMITS L.L.	ATTERBERG LIMITS P.I.	DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N_f - Standard penetration test value determined in the field - ASTM D1586 (WOH indicates penetration of sampler under weight of 104 lb hammer)	Nc - Standard penetration test value of sand corrected for overburden by Peck-Hansen-Thornburn, 1974	w.c. % - Percent water content based on dry soil weight	L.L. - Liquid Limit	P.I. - Plasticity Index	Unit Wt., pcf - Dry unit weight of soil, pounds per cubic ft	% Minus #200 - Percent by weight of soils finer than #200 sieve	c - Cohesion, tons per square ft Φ- Angle of Internal fiction, degrees s - Vane shear strength, tons per square ft c*- Values measure with a pocket penetrometer	Classification according to the Unified Classification System

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

PROJECT NAME: CITY OF MOBILE PARK IMPROVMENTS AT MIMS PARK

G.E.T. PROJ. NUMBER: 23-241

PROJECT LOCATION: MOBILE, AL

DRILL RIG: CME 45

DRILL METHOD: HOLLOW STEM AUGER

REMARKS:

DATE DRILLED: 12/11/23

BORING DEPTH: 20 FT.

BORING ELEV.:

DATUM:

WATER DEPTH: NWTE

DRILL CREW: CARROL DRILLING, ZS(LOGGER)

GEOTECHNICAL ENGINEERING TESTING, INC.

BORING NUMBER: B-201

BORING LOCATION: MIMS PARK

N: 227242 **E:** 1758692

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T. N_f	S.P.T. N_c	W.C. %	ATTERBERG LIMITS L.L.	ATTERBERG LIMITS P.I.	DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
0		Loose brown silty sand	1	7								
			2	3		7	NP	NP		22.1		SM
			3	5								
5		Loose to firm light brown silty sand	4	7								
			5	15								
		Very dense red and yellowish brown clayey sand	6	55								
10			7	47								
		Red and yellow silty sand with trace gravel	8	27								
15			9	20								
		Firm red and white silty sand										
		Firm red and gray clayey sand	10	16								
20		B.T. @ 20 FT										
25												
30												
35												

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

MOD DEEP BORING LOG W/O NC VALUES & N-E 23-241 COM PARKS PHASE III.GPJ GET_AL4.GDT 12/22/23

PROJECT NAME: CITY OF MOBILE PARK IMPROVMENTS AT MIMS PARK

G.E.T. PROJ. NUMBER: 23-241

PROJECT LOCATION: MOBILE, AL

DRILL RIG: CME 45

DRILL METHOD: HOLLOW STEM AUGER

REMARKS:

DATE DRILLED: 12/11/23

BORING DEPTH: 15 FT.

BORING ELEV.:

DATUM:

WATER DEPTH: NWTE

DRILL CREW: CARROL DRILLING, ZS(LOGGER)

GEOTECHNICAL ENGINEERING TESTING, INC.

BORING NUMBER: B-202

BORING LOCATION: MIMS PARK

N: 227159 **E:** 1758732

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T. N_f	S.P.T. N_c	W.C. %	ATTERBERG LIMITS L.L.	ATTERBERG LIMITS P.I.	DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
0		1" Topsoil										
		Firm yellowish brown silty sand	1	11								
			2	6		8	NP	NP		23.9		SM
		Loose yellowish brown silty sand	3	7								
5			4	10								
			5	9								
		Loose to firm reddish brown clayey sand	6	18								
10			7	26								
		Dense red silty sand	8	39								
15		B.T. @ 15 FT										
20												
25												
30												
35												

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

APPENDIX C

LABORATORY TEST RESULTS

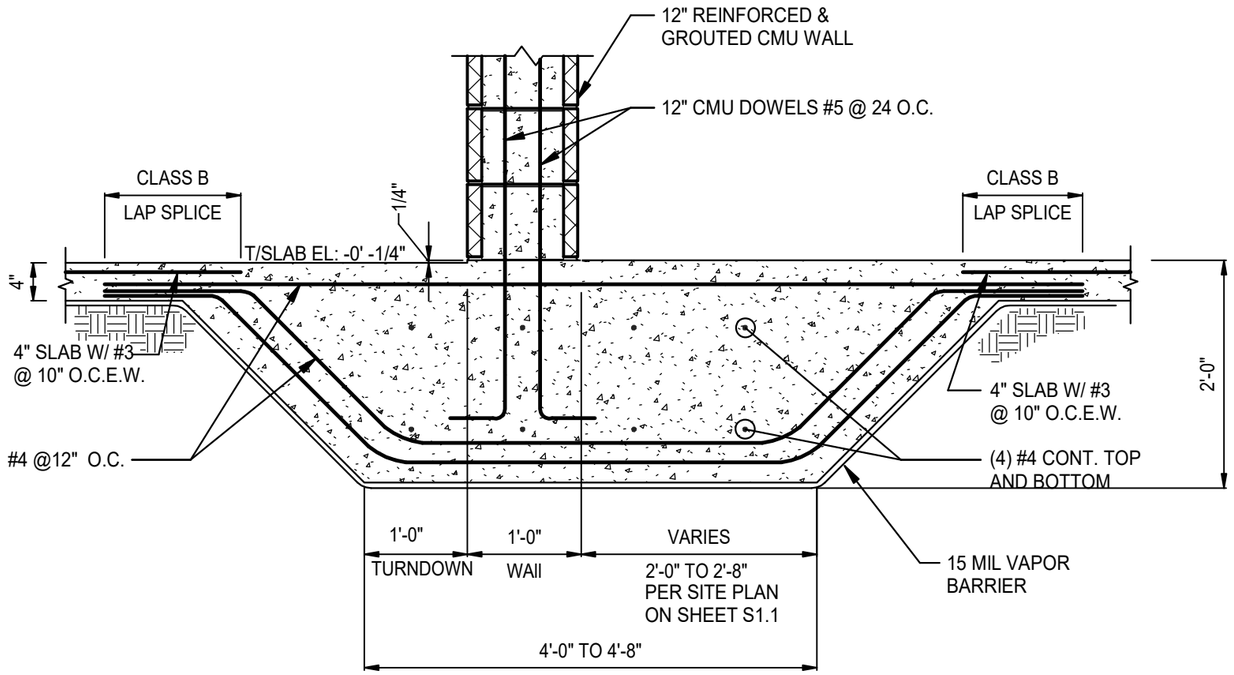
Boring Location	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Atterberg Limits			% Gravel	% Sand	% Passing 200 (if hydrometer data available)		D_{50} (mm)	USCS	AASHTO Class
					LL	PL	PI			% Silt	% Clay			
N: 227242 **E:** 1758692	B-201	2	2.0	7	NP	NP	NP	0.0	77.9	22.1		0.331	SM	A-2-4 (0)
N: 227159 **E:** 1758732	B-202	2	2.0	8	NP	NP	NP	0.0	76.1	23.9		0.311	SM	A-2-4 (0)

GEOTECHNICAL ENGINEERING TESTING, INC.

SOIL CLASSIFICATION SUMMARY

GET PROJECT NUMBER: 23-241
PROJECT NAME: CITY OF MOBILE PARK IMPROVMENTS AT MIMS PARK
COUNTY: MOBILE

SOIL CLASSIFICATION SUMMARY - N-E 23-241 COM PARKS PHASE III.GPJ GETI_AL.GDT 12/22/23

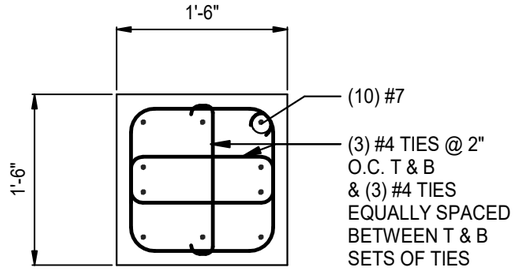


SECTION THROUGH EXTERIOR FOOTING F3 @ EXTERIOR 12" CMU WALL ON MIMS, REFERENCE SHEETS: S1.1 & S1.2

1 STRUCTURAL SKETCH SSK - 1

3/4" = 1'-0"

1' 6" 0' 1' 2'



PIER P1 DETAIL

2 STRUCTURAL SKETCH SSK - 2

3/4" = 1'-0"

1' 6" 0' 1' 2'

CITY OF MOBILE- MIMS PARK 502101018 11/6/2024 11:20:47 AM

Mott MacDonald Alabama, LLC.
Mott MacDonald Architects, Inc.
107 St. Francis Street
- Suite 2900
Mobile, AL 36602
Telephone:(251) 343-4366
Fax:(251) 343-6902

MOTT MACDONALD

CITY OF MOBILE- MIMS PARK
City of Mobile
Mobile, AL 36693

11/06/24
CEL
LLH
CEL
Chad Lyner
Andrew Marasca
502101018

DATE:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PROJECT ENGINEER:
PROJECT MANAGER:
PROJECT NUMBER:

SHEET TITLE:
FOOTING DETAILS

SHEET NUMBER:
AMENDMENT 4

SECTION 088300 - MIRRORS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following types of silvered flat glass mirrors.

1. Annealed monolithic glass mirrors.

1.2 DEFINITIONS

A. Deterioration of Mirrors: Defects developed from normal use that are attributable to the manufacturing process and not to causes other than breakage and practices for maintaining and cleaning mirrors contrary to mirror manufacturer's written instructions. Defects include discoloration, black spots, and clouding.

1.3 PERFORMANCE REQUIREMENTS

A. Provide vandal resistant mirrors that will not fail under normal usage. Failure includes deterioration attributable to defective manufacture, fabrication, and installation.

1.4 SUBMITTALS

A. Product Data: For the following:

1. Mirrors. Include description of materials and process used to produce each type of polished stainless steel mirror specified that indicates sources of components, edge sealer, and quality-control provisions.
2. Mirror hardware.

B. LEED Submittal:

1. Product Data for Credit EQ 4.1: For adhesives, including printed statement of VOC content.

C. Shop Drawings: Include mirror elevations, edge details, mirror hardware, and attachments to other work.

D. Product Certificates: For each type of mirror, signed by product manufacturer.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer who has completed mirrors similar in material, design, and extent to that indicated for this Project; whose work has resulted in mirror installations with a record of successful in-service performance.

B. Source Limitations for Mirrors: Obtain mirrors from one source for each type of mirror indicated.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Protect mirrors according to mirror manufacturer's written instructions and as needed to prevent damage to mirrors from condensation, temperature changes, direct exposure to sun, or other causes.

B. Comply with mirror manufacturer's written instructions for shipping, storing, and handling mirrors as needed to prevent deterioration, damage to edges, and abrasion of surfaces and applied coatings. Store indoors, protected from moisture including condensation.

1.7 WARRANTY

A. Special Warranty: Manufacturer's standard form, made out to Owner and signed by mirror manufacturer agreeing to replace mirrors that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below:

1. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 VANDAL RESISTANT STAINLESS STEEL MIRRORS

A. Polished stainless steel mirror with protective plexiglass.
1. 14G #304 stainless steel
2. Surface mounted with predrilled mounting holes
3. Corrosion resistant
4. Satin Stainless steel frame

2.2 MISCELLANEOUS MATERIALS

1. Tamper resistant Stainless Steel mounting fasteners

2.3 FABRICATION

A. Mirror Sizes: As drawn
B. Factory finished with no burrs or sharp edges.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, over which mirrors are to be mounted, with Installer present, for compliance with installation tolerances, substrate preparation, and other conditions affecting performance.

1. Proceed with mirror installation only after unsatisfactory conditions have been corrected and surfaces are dry.

3.2 INSTALLATION

A. General: Install mirrors to comply with mirror manufacturer's written instructions and with referenced GANA publications. Mount mirrors accurately in place in a manner that avoids distorting reflected images.

B. For wall-mounted mirrors, install mirrors with mirror hardware.

1. Attach mirror hardware securely to mounting surfaces with mechanical fasteners installed with anchors or inserts as applicable. Install fasteners so heads do not impose point loads on backs of mirrors.

3.3 CLEANING AND PROTECTION

A. Protect mirrors from breakage and contaminating substances resulting from construction operations.

B. Do not permit edges of mirrors to be exposed to standing water.

C. Maintain environmental conditions that will prevent mirrors from being exposed to moisture from condensation or other sources for continuous periods of time.

END OF SECTION 088300

SECTION 083340 – ROLLING COUNTER DOORS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. All of the Contract Documents, including General and supplementary Conditions, and Division 1 General Requirements, apply to the work of this Section.

1.2 SUMMARY

A. The work of this Section includes rolling counter doors (located at concession stand).
B. Related Sections: Other specification sections which directly relate to the work of this Section include, but are not limited to, the following:
   1. Division 09 Sections for finish painting of exposed non-stainless steel items.

1.3 SUBMITTALS

A. Product Data: Submit manufacturer's product data and installation instructions for each type of rolling counter door. Include both published data and any specific data prepared for this project.

B. Shop Drawings: Submit shop drawings for approval prior to fabrication. Include detailed plans, elevations, details of framing members, required clearances, anchors, and accessories. Include relationship with adjacent materials.

C. Operation and Maintenance Data.

1.4 QUALITY ASSURANCE

A. Manufacturer: Rolling counter doors shall be manufacturer by a firm with a minimum of five years experience in the fabrication and installation of rolling counter doors. Manufacturers proposed for use, which are not named in these specifications, shall submit evidence of ability to meet performance and fabrication requirements specified, and include a list of five projects of similar design and complexity completed within the past five years. Information must be received a minimum of fourteen days prior to bid to be considered.
B. Installer: Installation of rolling counter doors shall be performed by the authorized representative of the manufacturer.
C. Single-Source Responsibility: Provide doors, guides, motors, and related primary components from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.
D. Pre-Installation Conference: Schedule and convene a pre-installation conference just prior to commencement of field operations, to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials and products in labeled protective packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage from weather, excessive temperatures and construction operations.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Provide rolling counter doors by Overhead Door Corporation, (Model 651 as basis of design)

B. Requests for substitutions will be considered in accordance with provisions of Division 1 Sections.

2.2 COUNTER DOORS

A. Trade Reference: 651 Series Counter Doors by Overhead Door Corporation.
B. .Curtain: Interlocking slats, Type F-128 fabricated of stainless steel. Endlocks shall be attached to alternate slats to maintain curtain alignment and prevent lateral slat movement.
C. Finish: Slats and hood shall be stainless steel #4 satin finish.
D. Bottom Bar: Single stainless steel angle bottom bar with weather stripping.
E. Guides: Stainless steel #4 satin finish.
F. Brackets: Steel plate to support counterbalance, curtain and hood.
G. Counterbalance: Helical torsion spring type housed in a steel tube or pipe barrel.
H. Hood: Stainless steel #4 satin finish. Provide intermediate support brackets as required.
I. Manual Operation: Manual push up.
J. Locking: Slide bolt locks suitable for use with padlock and made of stainless steel.
K. Wall Mounting Condition: Face-of-wall mounting.
L. Meets project wind rating requirements.

PART 3 EXECUTION

3.1 EXAMINATION

A. Before beginning work, verify that openings have been properly prepared.

B. Take field dimension and examine conditions of substrates, supports, and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected.

3.2 INSTALLATION

A. Strictly comply with manufacturers installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and allow for maintenance.

B. Install doors plumb, level, and operating smoothly without binding. Provide all fasteners, accessories, and incidentals involved to provide a fully operational door unit. Coordinate with kitchen equipment supplier for cut-outs, openings, etc. Installer is responsible for replacement of any damaged kitchen equipment, counters, etc. caused by the installation of the door unit.
C. Instruct Owners personnel in proper operating procedures and maintenance schedule.

3.3 ADJUSTING AND CLEANING

A. Test rolling counter doors for proper operation and adjust as necessary to provide proper operation without binding or distortion.
B. Touch-up damaged coatings and finishes and repair minor damage. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer of material or product being cleaned..

END OF SECTION

SECTION 08111 - STANDARD STEEL DOORS AND FRAMES

PART 1 - GENERAL

1. RELATED DOCUMENTS

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

2. SUMMARY

    a. This Section includes the following products manufactured in accordance with SDI Recommended Standards:
    b. Doors: Seamless, hollow or composite construction standard steel doors for interior and exterior locations.
    c. Frames: Pressed steel frames for doors, transoms, sidelights, mullions interior glazed panels, and other interior and exterior openings of following type:
    d. Welded unit type.

3. Assemblies: Provide standard steel door and frame assemblies as required for the following:

    a. Thermal rated (insulated).
    b. Fire rated assembles where indicated.
    c. Provide factory primed doors and frames to be field painted.
    d. Painting primed doors and frames is specified in Division 9 Section "Painting."
    e. Door hardware is specified in another Division 8 Section.
    f. Glass and Glazing are specified in another Division 8 Section.

4. SUBMITTALS

    a. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.

    b. Product data for each type of door and frame specified, including details of construction, materials, dimensions, hardware preparation, core, label compliance, sound ratings, profiles, and finishes.

    c. Shop drawings showing fabrication and installation of standard steel doors and frames. Include details of each frame type, elevations of door design types, conditions at openings, details of construction, location and installation requirements of door and frame hardware and reinforcements, and details of joints and connections. Show anchorage and accessory items.

    d. Provide schedule of doors and frames using same reference numbers for details and openings as those on contract drawings.

    e. Indicate coordinate of glazing frames and stops with glass and glazing requirements.

5. QUALITY ASSURANCE

    a. Provide doors and frames complying with Steel Door Institute "Recommended Specifications Standard Steel Doors and Frames" ANSI/SDI-100 and as herein specified.

6. IMPACT RATING AND WIND REQUIREMENTS:

a. Provide assemblies that have been tested in compliance with the following ASTM Standards: E330, E1886 and E1996 (small and large missle impact test), including any related sidelite frames and borrowed lites.

7. DELIVERY, STORAGE, AND HANDLING

a. Deliver doors and frames cardboard-wrapped or crated to provide protection during transit and job storage. Provide additional protection to prevent damage to finish of factory-finished doors and frames.

b. Inspect doors and frames upon delivery for damage. Minor damages may be repaired provided refinished items are equal in all respects to new work and acceptable to Architect; otherwise, remove and replace damaged items as directed.

c. Store doors and frames at building site under cover. Place units on minimum 4-inches high wood blocking. Avoid use of non-vented plastic or canvas shelters which could create humidity chamber. If cardboard wrapper on door becomes wet, remove carton immediately. Provide 1/4-inches spaces between stacked doors to promote air circulation.

PART 2 - PRODUCTS

1. ACCEPTABLE MANUFACTURERS

a. Available Manufacturers: Subject to compliance with requirements, manufacturers offering standard steel doors and frames which may be incorporated in the work include the following:

b. Standard Steel Doors and Frames:

i. Ceco Corp.
ii. Curries Company
iii. Kewanee Corp.
iv. MPI – Metal Products, INC.
v. Republic Builders Products.
vi. Steelcraft Manufacturing Co.

2. MATERIALS

a. Hot-Rolled Steel Sheets and Strip: Commercial quality carbon steel, pickled and oiled, complying with ASTM A 569 and ASTM A 568.

b. Cold-Rolled Steel Sheets: Commercial quality carbon steel, complying with ASTM A 366 and ASTM A 568.

c. Galvanized Steel Sheets: Zinc-coated carbon steel sheets of commercial quality, complying with ASTM A 526, or drawing quality, ASTM A 642, hot dipped galvanized in accordance with ASTM A 525, with A60 or G60 coating designation, mill phosphatized.

d. Supports and Anchors: Fabricate of not less than 18-gage sheet steel; galvanized where used with galvanized frames.

e. Inserts, Bolts, and Fasteners: Manufacturer's standard units. Where items are to be built into

exterior walls, hot-dip galvanize in compliance with ASTM A 153, Class C or D as applicable.

f. Shop Applied Paint: Apply after fabrication.

g. Primer: Rust-inhibitive enamel or paint, either air-drying or baking, suitable as a base for specified finish paints complying with ANSI A224.1, "Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames."

3. DOORS

a. Provide metal doors of SDI grades and models specified below or as indicated on drawings or schedules:

i. Exterior Doors: ANSI/SDI-100, Grade III, extra heavy-duty, Model 4, minimum 16-gage galvanized steel faces.

4. FRAMES

a. Provide metal frames for doors, transoms, sidelights, borrowed lights, and other openings, of types and styles as shown on drawings and schedules. Conceal fastenings, unless otherwise indicated. Fabricate frames of minimum 16-gage cold-rolled steel.

b. Fabricate frames with mitered or welded corners.

c. Form exterior frames from 16-gage galvanized steel.

d. Door Silencers: Except on weatherstripped frames, drill stops to receive 3 silencers on strike jambs of single-door frames and 2 silencers on heads of double-door frames.

e. Plaster Guards: Provide minimum 26-gage steel plaster guards or mortar boxes at back of hardware cutouts where mortar or other materials might obstruct hardware operation and to close off interior of openings.

5. FABRICATION

a. Fabricate steel door and frame units to be rigid, neat in appearance and free from defects, warp or buckle. Wherever practicable, fit and assemble units in manufacturer's plant. Clearly identify work that cannot be permanently factory-assembled before shipment, to assure proper assembly at project site. Comply with ANSI/SDI-100 requirements.

b. Internal Construction: Manufacturer's standard honeycomb, polyurethane, polystyrene, unitized steel grid, vertical steel stiffeners, or rigid mineral fiber core with internal sound deadener on inside of face sheets where appropriate in accordance with SDI standards.

c. Clearances: Not more than 1/8 inch at jambs and heads except between non-fire-rated pairs of doors not more than 1/4 inch. Not more than 3/4 inch at bottom.

d. Fabricate exposed faces of doors and panels, including stiles and rails of nonflush units, from only cold-rolled steel.

e. Tolerances: Comply with SDI 117 "Manufacturing Tolerances Standard Steel Doors and Frames."

f. Fabricate frames, concealed stiffeners, reinforcement, edge channels, louvers and moldings

from either cold-rolled or hot-rolled steel.

g. Fabricate exterior doors, panels, and frames from galvanized sheet steel in accordance with SDI-112. Close top and bottom edges of exterior doors as integral part of door construction or by addition of minimum 16-gage inverted steel channels.

h. Exposed Fasteners: Unless otherwise indicated, provide countersunk flat or oval heads for exposed screws and bolts.

i. Thermal-Rated (Insulating) Assemblies: At exterior locations and elsewhere as shown or scheduled, provide doors fabricated as thermal insulating door and frame assemblies and tested in accordance with ASTM C 236 or ASTM C 976 on fully operable door assemblies.
   i. Unless otherwise indicated, provide thermal-rated assemblies with U factor of 0.41 Btu/(hr x sq ft x deg F.) or better.

j. Hardware Preparation: Prepare doors and frames to receive mortised and concealed hardware in accordance with final Door Hardware Schedule and templates provided by hardware supplier. Comply with applicable requirements of ANSI A115 Series Specifications for door and frame preparation for hardware.

   i. Reinforce doors and frames to receive surface-applied hardware. Drilling and tapping for surface-applied hardware may be done at project site.

   ii. Locate hardware as indicated on final shop drawings or, if not indicated, in accordance with "Recommended Locations for Builder's Hardware on Standard Steel Doors and Frames," published by Door and Hardware Institute.

k. Shop Painting: Clean, treat, and paint exposed surfaces of steel door and frame units, including galvanized surfaces.

   i. Clean steel surfaces of mill scale, rust, oil, grease, dirt, and other foreign materials before application of paint.

   ii. Apply shop coat of prime paint of even consistency to provide a uniformly finished surface ready to receive finish paint.

l. Glazing Stops: Minimum 20 gage steel or .040-inch-thick aluminum.

   i. Provide non-removable stops on outside of exterior doors and on secure side of interior doors for glass, louvers, and other panels in doors.

PART 3 - EXECUTION

1. INSTALLATION

a. General: Install standard steel doors, frames, and accessories in accordance with final shop drawings, manufacturer's data, and as herein specified.

b. Placing Frames: Comply with provisions of SDI-105 "Recommended Erection Instructions For Steel Frames," unless otherwise indicated.

c. Except for frames located at existing concrete, masonry or drywall installations, place frames prior to construction of enclosing walls and ceilings. Set frames accurately in position, plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is completed, remove temporary braces and spreaders leaving surfaces smooth

and undamaged.

d. In masonry construction, locate 3 wall anchors per jamb adjacent to hinge location on hinge jamb and at corresponding heights on strike jamb. Acceptable anchors include masonry wire anchors and masonry Tee anchors.

e. In metal stud partitions, install at least 3 wall anchors per jamb at hinge and strike levels. In closed steel stud partitions, attach wall anchors to studs with screws.

f. Door Installation: Fit hollow metal doors accurately in frames, within clearances specified in ANSI/SDI-100.

2. ADJUST AND CLEAN

a. Prime Coat Touch-up: Immediately after erection, sand smooth any rusted or damaged areas of prime coat and apply touch-up of compatible air-drying primer.

b. Protection Removal: Immediately prior to final inspection, remove protective plastic wrappings from prefinished doors.

c. Final Adjustments: Check and readjust operating hardware items, leaving steel doors and frames undamaged and in complete and proper operating condition.

END OF SECTION 08111

SECTION 00400

BID FORM

Copies of the following Bid Forms shall be used. Bids submitted on alternate forms may be rejected. Fill in all blank spaces with an appropriate entry. Bid Form must be signed by an officer of the company and notarized.

TO: City of Mobile, 205 Government St., P.O. Box 1827, Mobile, AL, 36633

REF: PROJECT NO.: PR-048-22B
PROJECT NAME: Mims Park –Restroom / Concession
PROJECT LOCATION: 5400 Grishilde Drive
Mobile, Alabama, 36633

In compliance with the Bid Documents and having carefully and thoroughly examined said documents for the subject Work prepared by the City of Mobile, Architectural Engineering Department and CPLA Design + Planning Dated October 9, 2024; and all Addendum (a) Number(s) _____ (CAUTION: before submitting any bid it is the Bidder's responsibility to check with the Architectural Engineering Department for all Addenda or special instructions that may impact the Bid) thereto, receipt of which is hereby acknowledged, the premises and all conditions affecting the Work prior to making this Proposal, the Undersigned Bidder, hereby

COMPANY NAME:_____

ADDRESS:_____PHONE_____

ALABAMA GENERAL CONTRACTOR LICENSE NO. _____

CITY OF MOBILE BUSINESS LICENSE NO._____

SECRETARY OF STATE OF ALABAMA BUSINESS IDENTITY NO._____

SECRETARY OF STATE OF ALABAMA ACCOUNT NO._____

(Note: Secretary of State Account Number shall be filled in only by non-resident bidders)

(Check one) [ ] A Corporation [ ] A Partnership [ ] An Individual Doing Business

hereby proposes to furnish all labor, materials, tools, equipment, and supplies and to sustain all the expenses incurred in performing the Work on the above captioned Project in accordance with the terms of the Contract Documents, and all applicable laws and regulations for the sum listed below. The initial term of the Contract shall extend for two-hundred seventy (270) calendar days from the date of the Notice to Proceed.

Base Bid: **$ .00**

Contingency Allowance: **+ $ 50,000.00**

Total Base Bid: **$ .00**
(Fill in here and in Total Bid below)

TOTAL BASE BID: _____

_____ Dollars, ($ **.00**)
(Amount in Words) (Amount in Figures)

Additive Alternate #1: Resinous Flooring instead of sealed concrete floors.

_____ Dollars & No Cents $ .00
Amount in Words Amount in #'s

Additive Alternate #2: ADA walkway and parking update.

_____ Dollars & No Cents $ .00
Amount in Words Amount in #'s

Additive Alternate #3: Upgrade the Hollow Metal Doors and Frames to FRP.

_____ Dollars & No Cents $__ _____ .00
Amount in Words Amount in #'s

Additive Alternate #4: FRP exterior doors.

_____ Dollars & No Cents $ .00
Amount in Words Amount in #'s

Additive Alternate #5: FRP Wall Cover instead of Gypsum Walls (toilets).

_____ Dollars & No Cents $ .00
Amount in Words Amount in #'s

Additive Alternate #6: Burnished Faced Block instead of Stained CMU Block.

_____ Dollars & No Cents $ .00
Amount in Words Amount in #'s

(Note: Show amount in both words and figures. In case of discrepancy, the amount in words shall govern). Bids shall be provided in whole dollar amount with no cents.

CONTINGENCY ALLOWANCE: $50,000.00 lump sum Contingency Allowance shall be included in the Total Bid for work related to unforeseen conditions as approved by the Owner.

BID SECURITY: The undersigned Bidder agrees that the attached Bid Security, as a Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation, or a Bid Bond, made payable to the City of Mobile, in the amount of 5% of the bid amount, but in no event more than $10,000, as the proper measure of liquidated damages which the City will sustain by the failure of the undersigned to execute the Contract. Said Bid Security shall become the property of the City of Mobile as liquidated damages as specified in the Contract Documents.

AMERICANS WITH DISABILITIES ACT (ADA): The undersigned Bidder agrees to fully comply with all requirements of the Americans with Disabilities Act of 1990 and the Amendment Act.

NONDISCRIMINATION: Contractor shall comply with all Federal, State and local laws concerning nondiscrimination, including but not limited to City of Mobile Ordinance No. 14-034 which requires, *inter alia*, that all contractors performing work for the City of Mobile not discriminate on the basis of race, creed, color, national origin or disability, require that all subcontractors they engage do the same, and make every reasonable effort to assure that fifteen percent of the work performed under contract be awarded to socially and economically disadvantaged individuals and business entities.

SIGNATURE: If the undersigned Bidder is incorporated, the entire legal title of the company followed by "a corporation" should be used. If Bidder is an individual, then that individual's full legal name followed by doing business as (d/b/a) and name of firm, if any, should be used. If Bidder is a partnership, then full name of each partner should be listed followed by "d/b/a" and name of firm, if any.

Ensure that name and exact arrangement thereof is the same on all forms submitted with this Bid. If a word is abbreviated in the official company name, such as "Co.", then use that abbreviation. If not abbreviated in the official name, spell out.

Bidder agrees not to revoke or withdraw this Bid until sixty (60) calendar days following the time and date for receipt of bids. If notified in writing of the acceptance of this Bid within this time period, Bidder agrees to execute a Contract based on this Bid on the proscribed form within ten (10) calendar days of said notification and to furnish Performance Bond and Materials and Payment Bond as specified.

COMPANY NAME:_____
(Printed or Typed)

BY:_____
(Signature of Company Officer)

COMPANY OFFICER:_____
(Printed or Typed)

TITLE_____ **DATE**_____**, 2024**
(Printed or Typed)

Sworn to and subscribed before me this _____ day of _____2024

_____
Notary Public

Attachments:
1. Bid Security, with Power of Attorney
2. Secretary of State Authorization (Out of state bidders only)
3. Sales Tax Form C-3A
4. Supplier Diversity Subcontracting & Major Supplier Plan

END OF BID FORM

ACCOUNTING OF SALES TAX
ATTACHMENT TO BID FORM SECTION 00400
SALES TAX FORM C-3A

To: City of Mobile **Date:**_____

Name of Project: Mims Park Restroom/Concession
Project Number: PR-048-22 B

SALES TAX ACCOUNTING

Pursuant to Act 2013-205, Section 1(g) the Contractor accounts for the sales tax NOT included in the bid proposal form as follows:

	ESTIMATED SALES TAX AMOUNT
BASE BID:	$_____
ADD ALT. #1:	$_____
ADD ALT. #2:	$_____
ADD ALT. #3:	$_____
ADD ALT. #4:	$_____
ADD ALT. #5:	$_____
ADD ALT. #6:	$_____

Failure to provide an accounting of sales tax shall render the bid non-responsive. Other than determining responsiveness, sales tax accounting shall not affect the bid pricing nor be considered in the determination of the lowest responsible and responsive bidder.

Legal Name of Bidder_____

Mailing Address_____

***By (Legal Signature)**_____

*Name (type or print)_____ (Seal)

*Title_____

Telephone Number_____

MIMS PARK CONCESSION STAND & RESTROOMS

MOBILE, AL - PROJECT # PR-048-24B

GENERAL NOTES:

1. PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS AND WITH THE CONTRACT DOCUMENTS ANY QUESTIONS OR DISCREPANCIES REGARDING THE NATURE OR INTENT OR THE WORK SHALL BE DIRECTED TO THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
2. ALL DEMOLITION AND REMOVAL WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND ORDINANCES AS SET FORTH BY ALL GOVERNING AUTHORITIES.
3. CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY ON THE PROJECT, AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN SAFE WORKING CONDITIONS. SITE SHALL BE SECURED, AS REQUIRED, TO PREVENT UNAUTHORIZED ACCESS TO THE WORK.
4. CARE SHOULD BE TAKEN AT INTERFACE BETWEEN DEMOLITION AND EXISTING CONSTRUCTION TO REMAIN. THIS CARE IS TO AVOID ANY DAMAGE TO EXISTING CONSTRUCTION TO REMAIN, AND TO UTILITIES, WHICH SERVES THAT CONSTRUCTION. THE CONTRACTOR SHALL CORRECT ALL DAMAGE CAUSED BY HIS WORKMEN, AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL NOTIFY, COORDINATE, SCHEDULE AND RECEIVE PERMISSION FROM THE OWNER PRIOR TO ANY SHUT DOWN OF THE SITE AND/OR BUILDING UTILITIES AS REQUIRED TO COMPLETE THE WORK. NOTIFICATION SHALL INCLUDE THE LENGTH OF TIME REQUIRED TO SHUT DOWN, LENGTH OF TIME SERVICE WILL BE DISCONNECTED, AND TIME REQUIRED TO RECONNECT SERVICES.
6. THE CONTRACTOR SHALL CONFORM TO CITY OF MOBILE REQUIREMENTS FOR THE PROTECTION OF ALL TREES TO REMAIN ON SITE.
7. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS BY CITY OF MOBILE, INCLUDING BUT NOT LIMITED TO SIGNAGE AND TREE TRIMMING/REMOVAL PERMITS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS, INCLUDING SHORING, BRACING, AND SEQUENCING NECESSARY FOR PROPER COMPLETION OF THE PROJECT.

STORMWATER EROSION CONTROL NOTE:

THE CONTRACTOR MUST OBTAIN AND SIGN A STORM WATER EROSION CONTROL AGREEMENT WITH THE CITY OF MOBILE. THE CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ADEM REGULATIONS THROUGHOUT THE CONSTRUCTION OF THE PROJECT, AND MUST UNDERSTAND THAT THE CITY WILL ISSUE A STOP WORK ORDER AT ANY TIME THESE MEASURES ARE NOT IN COMPLIANCE UNTIL THE SITE IS IN COMPLIANCE. THE CONTRACTOR SHOULD OBTAIN A COPY OF THESE PRIOR TO BID, SO THAT REQUIREMENTS ARE KNOWN.

TRAFFIC CONTROL, SAFETY ITEMS:

CONTRACTOR SHALL ERECT ALL WARNING SIGNS, AND PROVIDE THE APPROPRIATE PERSONNEL, IF REQUIRED, AND ALL OTHER ITEMS REQUIRED TO SAFELY HANDLE VEHICULAR AND PEDESTRIAN TRAFFIC THROUGH WORK AREA. CONTRACTOR MUST COORDINATE THIS ACTIVITY WITH THE CITY OF MOBILE TRAFFIC CONTROL DEVICES SHALL BE PROVIDED BY THE CONTRACTOR. TRAFFIC CONTROL DEVICES PROVIDED MUST COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. CONTRACTOR SHALL UNDERTAKE AND MAINTAIN ADEQUATE SAFETY MEASURES AS AND WHEN NECESSARY TO PROTECT EXISTING ROADS, STREETS, AND WALKWAYS FROM DAMAGE BY VEHICULAR TRAFFIC AND/OR HEAVY EQUIPMENT.

SHEET INDEX

PROJECT CONSULTANTS:

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200 W GARDEN ST #700
PENSACOLA, FL 32502
850.484.6011

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228.374.1409

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7150 CHARLANDA CT.
MOBILE, AL 36695
251.402.1364

ELECTRICAL CONSULTANT:
DELL CONSULTING
813 DOWNTOWN BOULEVARD | SUITE D
MOBILE, AL 36609
251.316.0015

1 10/17/2024
2 ADDENDUM 4 | 11/7/2024

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COVER SHEET FOR:
CITY OF MOBILE - MIMS PARK CONCESSIONS
MOBILE, AL

SCALE: NOT TO SCALE

STATE OF ALABAMA
CHRISTIAN HART PREUS
NUMBER
REGISTERED LANDSCAPE ARCHITECT
10/15/2024

DATE: MAY 2024

Smith Mechanical
Consulting & Design
ALABAMA CERTIFICATE OF AUTHORIZATION: CA-3717 E
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ROGER J. SMITH, PE 24744
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PLUMBING FIXTURE CONNECTION SCHEDULE

MARK #	FIXTURE TYPE	CONNECTIONS WASTE	VENT	CW	HW	REMARKS	NOTES
P-1	FLUSH VALVE WATER CLOSET	3"	2"	1"	-	VIT. CHINA, WHITE, 15-1/4" HIGH WATER CLOSET EQUAL TO KOHLER K-96054. ELONGATED BOWL, TOP SPUD, FLOOR MOUNTED FLUSH VALVE TYPE, 1.6 GALLONS PER FLUSH, WITH OPEN FRONT SEAT WITHOUT COVER, AND SLOAN ROYAL 110 FLUSH VALVE.	
P-1A	FLUSH VALVE WATER CLOSET (HC)	3"	2"	1"	-	VIT. CHINA, WHITE, 16-7/8" HIGH WATER CLOSET EQUAL TO KOHLER K-96057. ELONGATED BOWL, TOP SPUD, FLOOR MOUNTED FLUSH VALVE TYPE, 1.6 GALLONS PER FLUSH, WITH OPEN FRONT SEAT WITHOUT COVER, AND SLOAN ROYAL 110 FLUSH VALVE.	1
P-2A	LAVATORY (HC)	3"	2"	1/2"	1/2"	VIT. CHINA, WHITE, WALL MOUNTED LAVATORY. EQUAL TO KOHLER MODEL K-12643-0. PROVIDE WITH SINGLE LEVER ADA FAUCET EQUAL TO DELTA 500 SERIES, POP UP P-TRAP, FLOOR MOUNTED CARRIER, FLEXIBLE SUPPLIES AND STOPS. PROVIDE WITH ASSE 1070 TEMPERATURE LIMITING VALVE SET FOR 105°F. INSTALL PER ADA REQUIREMENTS.	1
P-2B	WASH FOUNTAIN (HC)	3"	3"	3/4"	3/4"	STAINLESS STEEL CIRCULAR WASH FOUNTAIN EQUAL TO ACORN MODEL 3508, 8 STATION, 54" DIAMETER. PROVIDE WITH HAND OPERATED PUSH BUTTON, BOTTOM WATER SUPPLY AND VENT THROUGH SANITARY PIPING. PROVIDE WITH ASSE 1070 TEMPERATURE LIMITING MIXING VALVE SET FOR 105°F. INSTALL PER ADA REQUIREMENTS AND SPECIFIC MANUFACTURER'S RECOMMENDATIONS. PROVIDE WITH 3" STUDOR VENT.	1
P-3	JANITOR SINK	3"	2"	1/2"	1/2"	24"x24" FLOOR MOUNTED RECEPTOR WITH WALL MOUNTED FAUCET. EQUAL TO FIAT MODEL MSBIDTG2424. PROVIDE WITH CHICAGO 897 RCF FAUCET, MOP HANGER, STAINLESS STEEL GRATE, AND STAINLESS STEEL WALL GUARDS.	
P-5	KITCHEN HAND SINK	3"	2"	1/2"	1/2"	STAINLESS STEEL HAND SINK WITH SIDE SPLASH GUARDS. PROVIDE WITH BACKSLPASH MOUNTED FAUCET. EQUAL TO ADVANCE TABCO 7-PS-40. PROVIDE WITH P-TRAP, FLEXIBLE SUPPLIES, AND STOPS. INSTALL PER SPECIFIC MANUFACTURER'S RECOMMENDATIONS.	
1 P-6	WATER COOLER (HC)	2"	2"	1/2"	-	DUAL HEIGHT STAINLESS STEEL WATER COOLER WITH BOTTLE FILLER. PROVIDE WITH STAINLESS STEEL SPLASH PLATE, WALL HANGER, P-TRAP, FLEXIBLE SUPPLY, AND STOP. INSTALL PER ADA REQUIREMENTS. PROVIDE ELKAY LVRCTL8WSK.	
3-COMP	THREE COMPARTMENT SINK	2"	2"	1/2"	1/2"	THREE COMPARTMENT SINK WITHOUT SIDE BOARDS. PROVIDE WITH BACKSPLASH MOUNTED EXTENDED LENGTH FAUCET. SINK EQUAL TO ADVANCE TABCO 600 SERIES MODEL 6-3-54. PROVIDE WITH DRAIN STOP LEVER AND REMOVABLE BASKET STRAINERS.	
FS	FLOOR SINK	3"	2"	-	-	12"x12" FLOOR SINK EQUAL TO ZURN. PROVIDE WITH HALF GRATE.	
IMB	ICE MAKER BOX	-	-	1/2"	-	RECESSED ICE MAKER BOX EQUAL TO GUY GRAY BIM SERIES WITH 1/4 TURN STOP AND WATER HAMMER ARRESTOR.	
FD	FLOOR DRAIN	3"	2"	-	-	3" FLOOR DRAIN , ZURN 415 SERIES, WITH ROUND TOP BRASS GRATE. PROVIDE WITH "GREEN DRAIN" TRAP SEAL.	
MFD	FLOOR DRAIN MECHANICAL	3"	2"	-	-	8"x8"x6" DEEP FLOOR DRAIN EQUAL TO ZURN Z-1910 WITH 3/4 GRATE. PROVIDE WITH "GREEN DRAIN" TRAP SEAL.	
MV-1	MIXING VALVE	-	-	3/4"	3/4"	MIXING VALVE EQUAL TO SYMMONS 5-225-CK WITH INTERNAL CHECK VALVES. MINIMUM FLOW 0.5 GMP, MAXIMUM FLOW 5.5 GPM @ 10.0 PSI DROP. SET FOR 110°F.	
FPHB	FREEZE PROOF HOSE BIBB	-	-	3/4"	-	FREEZE PROOF HOSE BIBB WITH VACUUM BREAKER. PROVIDE AS RECESSED BOX TYPE WITH HINGED COVER. EQUAL TO J R SMITH 5518-5 SERIES WITH LOOSE KEY STOP.	

(1) HANDICAPPED FIXTURES SHALL BE INSTALLED PER THE LATEST REQUIREMENTS OF ADA.

ELECTRIC WATER HEATER SCHEDULE

MARK EWH	TANK CAPACITY (GALLONS)	MINIMUM EFFICIENCY	TEMPERATURE SETPOINT (F)	HEATING CAPACITY (KW)	VOLTS	Hz	PHASE	RECIRCULATED SYSTEM	NOTES
1	40	0.9	119	4.5	208	60	1	YES	1, 2, 3

NOTES	
1	COORDINATE ALL ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
2	PROVIDE WITH EXPANSION TANK, HEAT TRAPS ON CONNECTIONS, T&P RELIEF VALVE, AUXILIARY DRAIN PAN, ISOLATION VALVES WITH DI-ELECTRIC UNIONS ON HOT AND COLD CONNECTIONS.
3	PROVIDE WITH MASTER MIXING VALVE AND RECIRCULATION PUMP. SEE DETAIL AND MANUFACTURERTS REQUIREMENTS FOR SPECIFIC PIPING REQUIREMENTS.

HOT WATER RECIRCULATION PUMP SCHEDULE

MARK RCP	CONTROL WITH	CAPACITY (GPM)	TOTAL HEAD (FT)	PUMP CONSTRUCTION	MOTOR (HP)	VOLTS	Hz	PHASE	NOTES
1	AQUASTAT	5	20	STAINLESS STEEL	1/5	120	60	1	1, 2, 3, 4

NOTES	
1	COORDINATE ALL ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
2	PROVIDE WITH AQUASTAT WITH A TEMPERATURE SETPOINT OF 110°F.
3	PROVIDE WITH 24 HOUR TIME CLOCK. PUMP SHALL OPERATE DURING OCCUPIED HOURS, ELSE IT SHALL BE OFF.
4	PUMP SHALL BE SUITABLE FOR POTABLE WATER USE.

GENERAL PLUMBING NOTES

1. THE CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH A MINIMUM INTERFERENCE WITH OTHER TRADES.
2. VERIFY EXACT PLUMBING FIXTURE ROUGH-IN AND FINAL HVAC EQUIPMENT REQUIREMENTS IN THE FIELD.
3. DRAIN, WASTE, AND VENT PIPING AND FITTINGS SHALL BE SCHEDULE 40 POLY VINYL CHLORIDE (PVC) SYSTEM "ASTM D 2665". NO FOAM CORE SHALL BE USED.
4. DOMESTIC WATER PIPING SHALL BE ASTM B 88, TYPE K, WITH ANSI B16.18 OR ANSI B16.22 SOLDER JOINT FITTINGS USING SILVER SOLDER AND FLUX CONTAINING NOT MORE THAN 0.2 PERCENT LEAD; OR WITH ANSI B16.26 FLARED JOINT FITTINGS. ASTM B 88, TYPE L MAY BE PROVIDED FOR ABOVEGROUND PIPING. SLEEVE SERVICE ENTRANCE AT SLAB. SEAL AROUND PIPING WATER PROOF. AT CONTRACTORS OPTION, UPANOR COLOR CODED PRE-INSULATED PEX PIPING WITH COMPOSITE FITTINGS IS ACCEPTABLE. NO SHARK BITE FITTINGS ALLOWED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, FURNISHING AND INSTALLING ALL TRAPS, DRAINS, AND SUPPLIES WITH STOPS. FURNISH AND INSTALL PLUMBING FIXTURES INDICATED OR SPECIFIED, COMPLETE WITH ALL EQUIPMENT, FITTINGS, TRIM AND ACCESSORIES INDICATED OR SPECIFIED. EXPOSED WATER PIPING TO FIXTURES SHALL BE CHROME-PLATED BRASS, IPS. ADJUST WATER FLOW THROUGH ALL FIXTURES TO PROVIDE PROPER FLUSHING ACTION WITH THE LEAST AMOUNT OF WATER.
6. COORDINATE ROUTING OF WATER SUPPLY, WASTE, AND VENT PIPING WITH OTHER TRADES.
7. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES ALL REQUIRED OPENINGS AND EXCAVATIONS.
8. ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED A MINIMUM OF 12" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10 FEET FROM ANY OUTSIDE AIR INTAKE.
9. FLOOR CLEANOUTS SHALL BE ADJUSTABLE HEIGHT POLISHED BRONZE, NICKEL BRONZE WITH "CO" CAST IN THE FLOOR PLATE.
10. PROVIDE STOPS AND WATER HAMMER ARRESTORS IN ACCORDANCE WITH PDI AND ASSE 1010. AN ACCESS PANEL MUST BE INSTALLED IF WATER HAMMER ARRESTER IS LOCATED INSIDE A WALL OR ABOVE A HARD CEILING. COORDINATE OPENINGS WITH ARCHITECT.
11. PROVIDE DIELECTRIC UNIONS AT ALL DISSIMILAR METAL CONNECTIONS.
12. INSULATE ALL WATER PIPING. DOMESTIC WATER PIPE NOT EXPOSED TO VIEW SHALL BE INSULATED WITH 1" THICK GLASS FIBER WITH FACTORY APPLIED UNIVERSAL JACKET. DENSITY SHALL BE 4 POUNDS PER CUBIC FOOT. FITTINGS SHALL BE INSULATED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. INSULATION VAPOR BARRIER SHALL BE LAPPED AND CEMENTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. DOMESTIC WATER PIPE EXPOSED TO VIEW SHALL BE INSULATED SAME AS WHERE NOT EXPOSED TO VIEW, EXCEPT IT SHALL BE FINISHED WITH A SIZED UNIVERSAL JACKET SUITABLE FOR PAINTING. FITTING SHALL BE MADE OF "QUICKSET" CEMENT MOLDED TO FIT AND COVERED WITH 8 OZ. CANVAS AND FINISHED WITH WHITE VAPOR BARRIER CEMENT, AND HAVE PLASTIC MOLDED FITTING COVERS. INSULATE DOMESTIC WATER AND WASTE PIPING UNDER HANDICAP LAVATORIES AND SINKS USING "LAVGUARD2 E-Z SERIES" MOLDED VINYL PIPING COVERS. COVER ALL PIPING, FITTING, VALVES, AND TRAPS EXPOSED TO VIEW.
13. ROUTE ALL PIPING AS TO CAUSE MINIMAL INTERFERENCE FOR MAINTENANCE OF ALL EQUIPMENT. UNLESS OTHERWISE NOTED, ALL DOMESTIC WATER PIPING SHALL BE ROUTED WITHIN CHASE SPACE. PIPING BELOW SLAB SHALL BE WITHOUT JOINTS AND TEES. PIPING PASSING THRU WALLS EXTENDING TO BOTTOM OF STRUCTURE SHALL BE SLEEVED AND SEALED. ALL DOMESTIC WATER PIPING ROUTED EXPOSED BELOW 6'-8" ABOVE FINISH FLOOR SHALL BE PROVIDED WITH A PVC JACKET TO PREVENT DAMAGE TO THE PIPE.
14. PROVIDE SHUTOFF VALVE TO EACH SILLCOCK WITH VALVE IDENTIFICATION AS REQUIRED BY CODE.
15. BEFORE FINAL ACCEPTANCE OF THE WORK, TEST EACH SYSTEM AS IN SERVICE TO DEMONSTRATE COMPLIANCE WITH 2021 INTERNATIONAL PLUMBING CODE AND LOCAL CODE REQUIREMENTS. ONCE TEST ARE IN COMPLIANCE WITH CONTRACT REQUIREMENTS DISINFECT WATER SYSTEM IN ACCORDANCE WITH AWWA C651.
16. CONTRACTOR TO VERIFY ALL LOCATIONS OF ROOF PENETRATIONS WITH ARCHITECTURAL DRAWINGS.
17. PIPE HANGERS AND SUPPORTS SHALL BE MSS SP-58 AND MSS SP-69, TYPE 1 OR 6, OF THE ADJUSTABLE TYPE, EXCEPT AS INDICATED OTHERWISE. ATTACHMENTS TO STEEL W OR S BEAMS SHALL BE WITH TYPE 21, 28, 29, OR 30 CLAMPS. ATTACHMENTS TO STEEL ANGLES AND CHANNELS (WITH WEB VERTICAL) SHALL BE WITH TYPE 20 CLAMP WITH A BEAM CLAMP CHANNEL ADAPTER. ATTACHMENTS TO STEEL CHANNEL (WITH WEB HORIZONTAL) SHALL BE WITH DRILLED HOLE ON CENTERLINE AND DOUBLE NUT AND WASHER. ATTACHMENTS TO CONCRETE SHALL BE WITH TYPE 18 INSERT OR A DRILLED HOLE WITH EXPANSION ANCHOR. HANGER RODS AND ATTACHMENTS SHALL BE FULL SIZE OF THE HANGER-THREADED DIAMETER. PROVIDE TYPE 40 INSULATION PROTECTION SHIELDS FOR INSULATED PIPING. PROVIDE STEEL SUPPORT RODS. PROVIDE NONMETALLIC, HAIR FELT, OR PLASTIC PIPING ISOLATORS BETWEEN COPPER TUBING AND THE HANGERS.
18. LABEL ALL WATER SERVICE VALVES IN ACCORDANCE WITH APPLICABLE CODES
19. COORDINATE EXACT FLOOR DRAIN LOCATIONS ARCHITECTURAL DRAWINGS. SLOPE ENTIRE ROOM TO DRAINS.
20. ALL TRAP PRIMER VALVES NOT LOCATED IN NORMALLY UNOCCUPIED SPACES SHALL BE MOUNTED ABOVE THE CEILING AND PROVIDED WITH A LABEL ON THE CEILING GRID TO INDICATE THE TRAP PRIMER LOCATION. NO TRAP PRIMERS SHALL BE INSTALLED EXPOSED IN NORMALLY OCCUPIED SPACES.
21. ROUTE SANITARY PIPING AS HIGH AS POSSIBLE TO AVOID CONFLICT WITH FOOTERS AND TO MAINTAIN ABILITY TO GRAVITY DISCHARGE INTO CITY SEWER. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF THE NEW SANITARY SEWER LATERAL AND ENSURE WASTE PIPING IS INSTALLED TO PROVIDE A GRAVITY DISCHARGE INTO THE CITY MAIN.
22. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL ASSOCIATED WASTE AND WATER TAP FEES ASSOCIATED WITH THIS PROJECT. ALL FEES ARE TO BE INCLUDED IN THE CONSTRUCTION COST.
23. ALL WORK INSTALLED SHALL MEET THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION, THE 2021 INTERNATIONAL PLUMBING CODE, AND THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE.

1 11-7-24 ADDENDUM #4

ALABAMA LICENSED No. 24744 PROFESSIONAL ENGINEER ROGER J. SMITH
10/15/2024

CHRISTIANPREUS Landscape Architecture
855.539.5086
www.cpladesignplanning.com

ARCHITECTURAL DRAWINGS FOR:
CITY OF MOBILE - MIMM'S FACILITIES
Mobile, AL

SCALE: AS NOTED

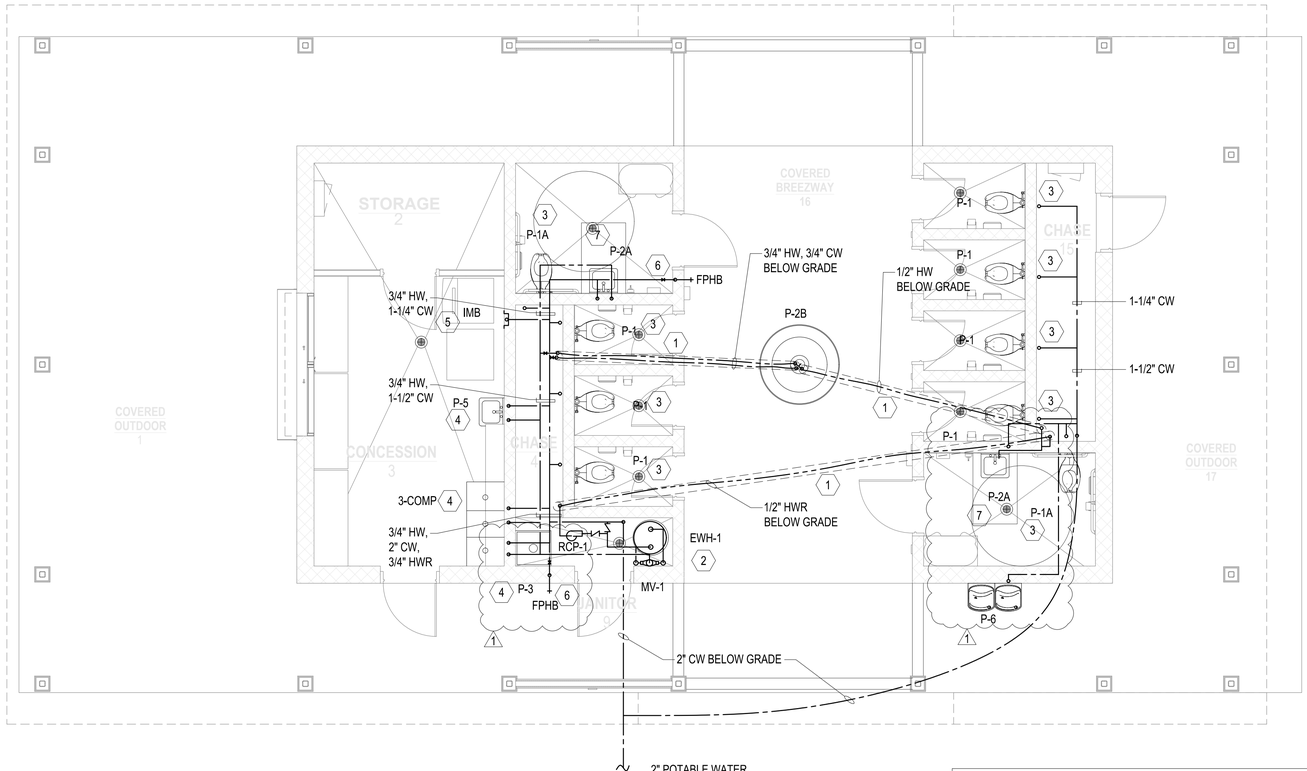
DATE: 10/15/2024

P1.0

Smith Mechanical
Consulting & Design
ALABAMA CERTIFICATE OF AUTHORIZATION: DA-3717 E
450 St. Joseph Street
SUITE 1020
MOBILE, AL 36602
(251) 402-1364
ROGER J. SMITH, PE 24744
JOB # 23-043
roger@smitheng.us

SHEET NOTES

1. WATER PIPING INSTALLED BELOW THE SLAB SHALL BE INSTALLED IN A SCHEDULE 40 PVC SLEEVE, MINIMUM 6"Ø. WATER PIPING INSTALLED BELOW THE SLAB IN THE SLEEVE SHALL BE INSULATED WITH 1" THICK INSULATION. PROTECT SLEEVE TO PREVENT WATER INTRUSION AND INSULATION SATURATION. SEAL AROUND OPEN ENDS OF SLEEVES WEATHER PROOF.
2. 2" CW SERVICE UP INSIDE MECHANICAL ROOM, PROVIDE ISOLATION SHUT OFF VALVE IN RISE 24" AFF.
3. 1" CW DOWN FOR CONNECTION TO WATER CLOSET.
4. 1/2" HW/CW DOWN FOR CONNECTION TO SINK.
5. 1/2" CW DOWN FOR CONNECTION TO ICE MAKER BOX.
6. 3/4" CW DOWN FOR CONNECTION TO FREEZE PROOF HOSE BIBB. PROVIDE ISOLATION VALVE IN BRANCH ADJACENT TO TURN DOWN.
7. 1/2" HW/CW/HWR FOR CONNECTION TO LAVATORY.



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1 PLUMBING PLAN

4' 0' 4' 8'
SCALE: 1/4"=1'-0"

PIPING SHOWN IN THE PLUMBING CHASES IS FOR CLARITY. IT IS EXPECTED THE PIPING SHALL BE ROUTED ALONG THE INSIDE FACE OF THE PLUMBING CHASE BEHIND THE FIXTURES. PIPING SHALL BE SECURED TO THE WALL WITH UNISTRUT. ALL PIPING ROUTED WITHIN THE CHASE SPACE SHALL ROUTE AS TIGHT TO THE WALL AS POSSIBLE TO MAXIMIZE MAINTENANCE ACCESS SPACE.

1 11-7-24 ADDENDUM #4

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Landscape Architecture
895 539 5086
www.cpladesignplanning.com

ARCHITECTURAL DRAWINGS FOR:
CITY OF MOBILE - MIMM'S FACILITIES
Mobile, AL

SCALE: AS NOTED

ALABAMA LICENSED No. 24744 PROFESSIONAL ENGINEER ROGER J. SMITH
10/15/2024

DATE: 10/15/2024

P2.0

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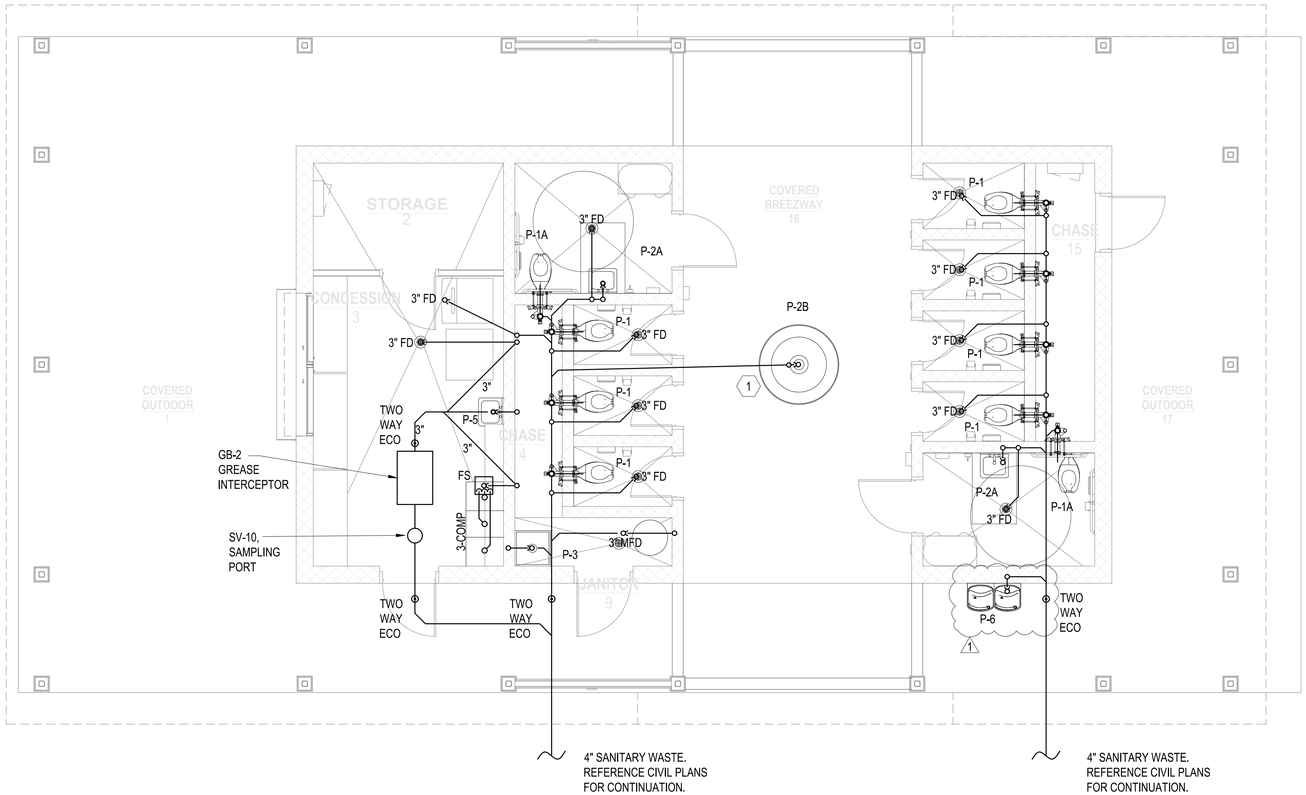
JOB # 23-143
roger@smitheng.us

SHEET NOTES

1. 3" SANITARY WASTE FOR ISLAND WASH FOUNTAIN. PROVIDE WITH AIR ADMITTANCE VALVE AT WASH FOUNTAIN.



N

1 **SANITARY WASTE PLAN**

4' 0' 4' 8'

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

1 11-7-24 ADDENDUM #4

GREASE INTERCEPTOR CALCULATIONS Quote: 891BC1CA

Reference No. 74689 Project Name: Mimm's Park Concession

Step 1: Flow rate to grease interceptor

Fixture flow rate: (cu in / 231) = gal x 0.75 / 2 min = 2 min flow rate

NAME	TYPE	DIMENSIONS	QTY	CU IN	FLOW RATE
3 Compartment Sink	3 Compartment Sink	21" x 21" x 14" (3)	1	18,522	30.07 GPM
Floor Drain	Floor Drain	N/A	1	N/A	0 GPM
Floor Sink	Floor Sink	N/A	1	N/A	0 GPM
Hand Sink	Hand Sink	10" x 14" x 5"	1	700	1.14 GPM
Total					**31.2 GPM**

Step 2: Grease Production

Servings per day x Grease production value x Days between pump-outs = Grease output

Servings per day: 100
Grease production value: 0.005 lbs per serving (Snack Bar: Low / No flatware)
Days between pump-outs: 90 days

100 x 0.005 x 90 = 45 lbs of FOG

SCHIER MODEL	
GB2	**Description:** GREASE INTERCEPTOR 35 GPM / 50 GPM, 4" FPT CONNECTIONS W/ 3" AND 4" PLAIN END ADAPTERS, PEDESTRIAN RATED POLYPROPYLENE COVER **Dimensions:** Length: 35", Width: 23", Height: 13.75" **Flow Rate/Grease Capacity:** 35 GPM / 130 lbs **Liquid Capacity:** 20 gal

Specification Note: This Great Basin model has been sized to the flow rate and grease production requirements of the application and may not be substituted by liquid capacity alone. Any substitution requests must be approved by the specifying engineer and the authority having jurisdiction.

Please contact support@schierproducts.com for technical and procurement support for the specified Great Basin model.

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ARCHITECTURAL DRAWINGS FOR:
CITY OF MOBILE - MIMM'S FACILITIES
Mobile, AL

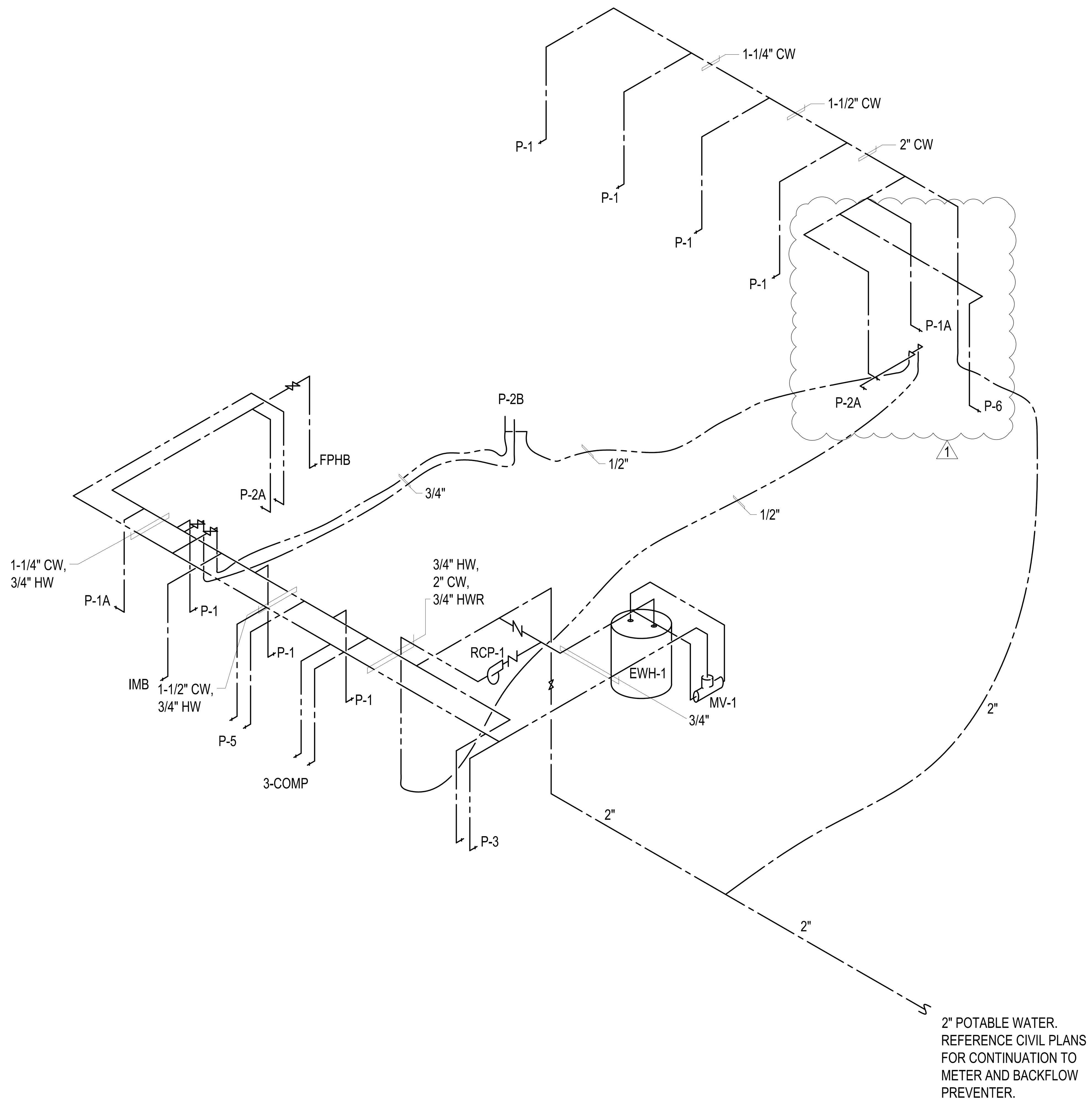
SCALE: AS NOTED

ALABAMA LICENSED No. 24744 PROFESSIONAL ENGINEER ROGER J. SMITH
10/15/2024

DATE: 10/15/2024

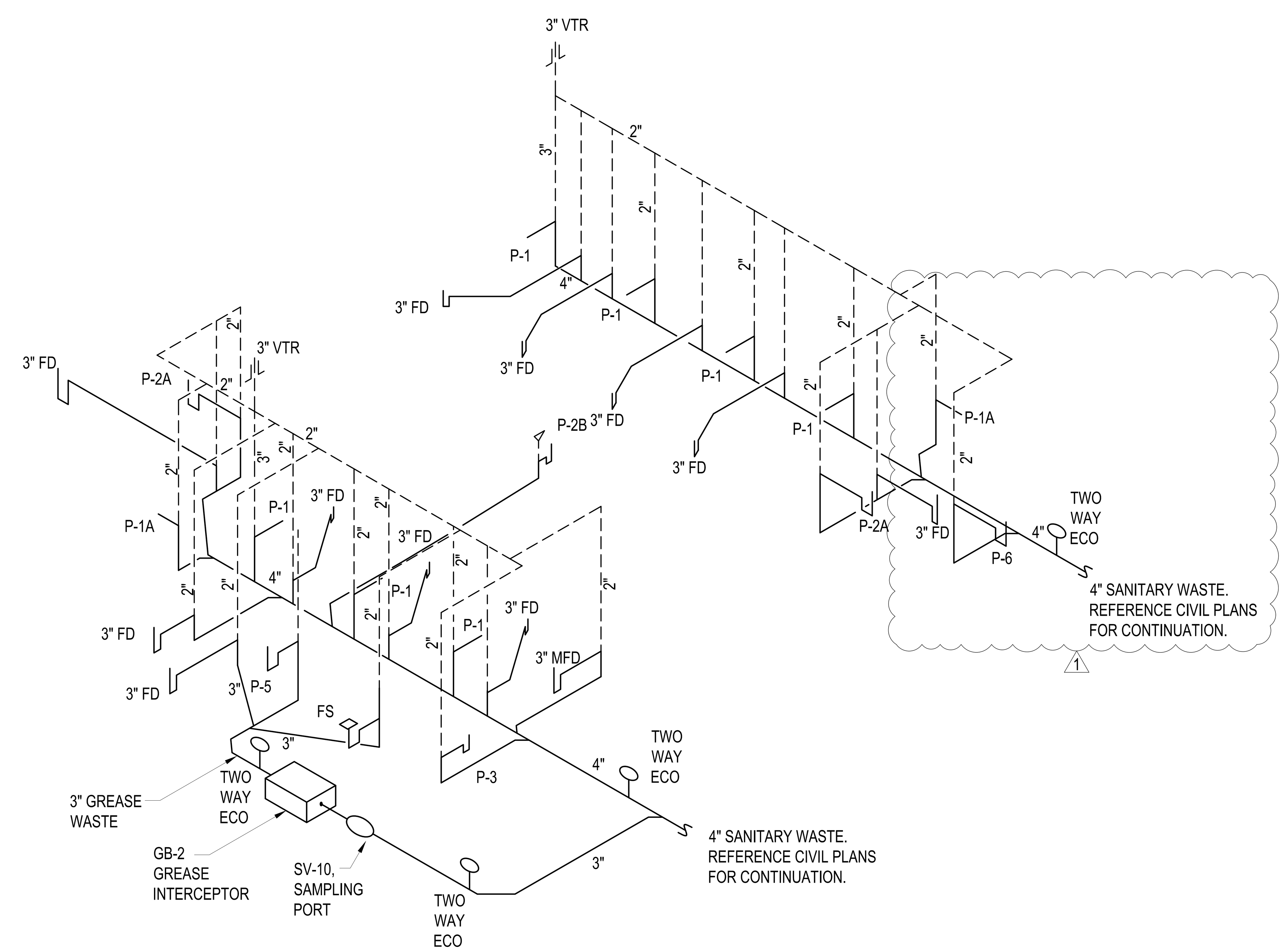
P3.0

Smith Mechanical
Consulting & Design
roger@smitheng.us



2 PLUMBING RISER

NOT TO SCALE



1 SANITARY WASTE RISER

NOT TO SCALE

1 11-7-24 ADDENDUM #4

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ARCHITECTURAL DRAWINGS FOR:
CITY OF MOBILE - MIMM'S FACILITIES
Mobile, AL

SCALE: AS NOTED

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24744 ROGER J. SMITH
10/15/2024

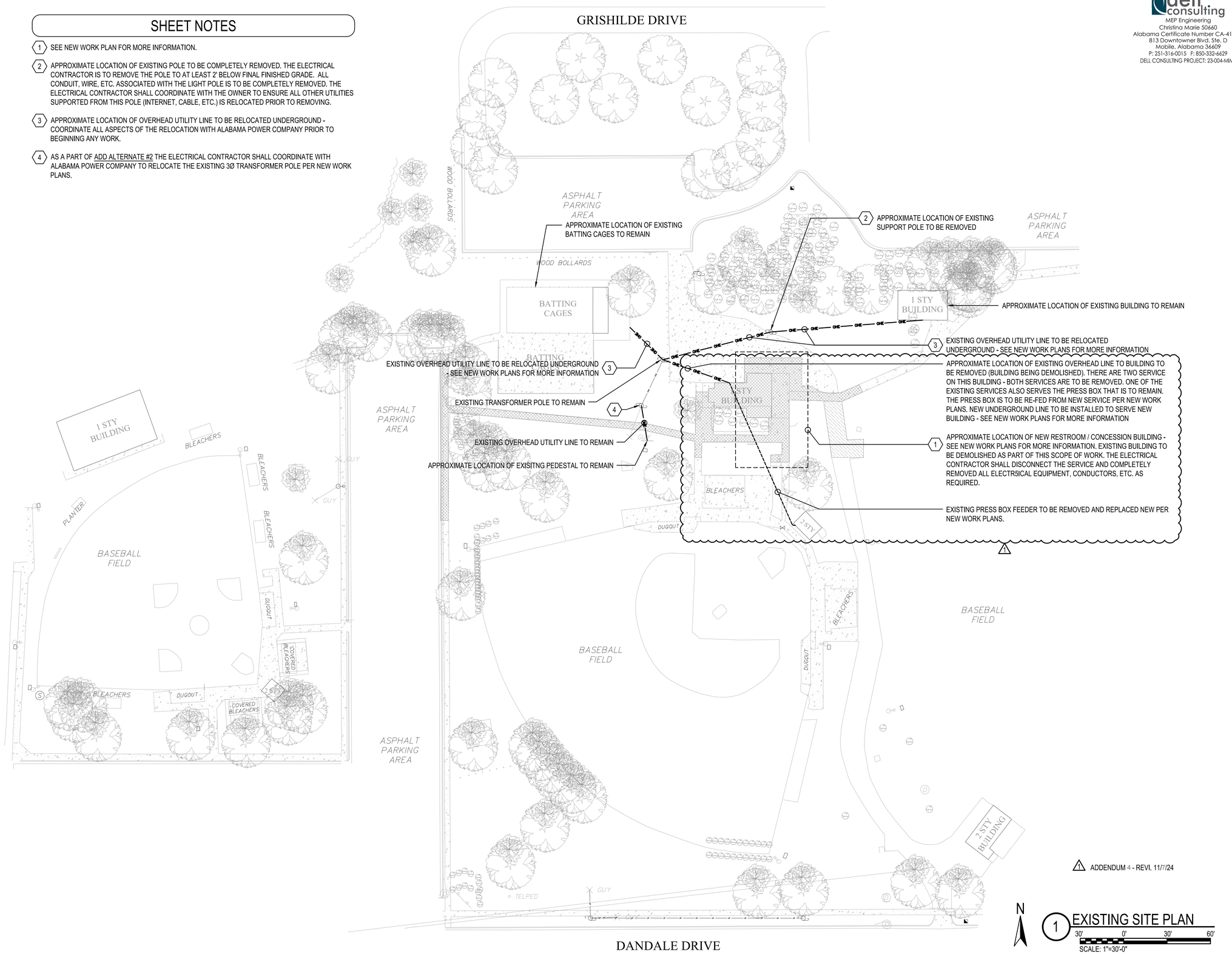
DATE: 10/15/2024

P4.0

dell consulting
MEP Engineering
Christina Marie 50660
Alabama Certificate Number CA-4146-E
813 Downtowner Blvd. Ste. D
Mobile, Alabama 36609
P: 251-316-0015 F: 850-332-6629
DELL CONSULTING PROJECT: 23-004-MIMS

SHEET NOTES

1. SEE NEW WORK PLAN FOR MORE INFORMATION.
2. APPROXIMATE LOCATION OF EXISTING POLE TO BE COMPLETELY REMOVED. THE ELECTRICAL CONTRACTOR IS TO REMOVE THE POLE TO AT LEAST 2' BELOW FINAL FINISHED GRADE. ALL CONDUIT, WIRE, ETC. ASSOCIATED WITH THE LIGHT POLE IS TO BE COMPLETELY REMOVED. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER TO ENSURE ALL OTHER UTILITIES SUPPORTED FROM THIS POLE (INTERNET, CABLE, ETC.) IS RELOCATED PRIOR TO REMOVING.
3. APPROXIMATE LOCATION OF OVERHEAD UTILITY LINE TO BE RELOCATED UNDERGROUND - COORDINATE ALL ASPECTS OF THE RELOCATION WITH ALABAMA POWER COMPANY PRIOR TO BEGINNING ANY WORK.
4. AS A PART OF ADD ALTERNATE #2 THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALABAMA POWER COMPANY TO RELOCATE THE EXISTING 3Ø TRANSFORMER POLE PER NEW WORK PLANS.



1 ADDENDUM 4 - REVI. 11/7/24

N

1 EXISTING SITE PLAN
30' 0' 30' 60'
SCALE: 1"=30'-0"

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EXISTING ELECTRICAL SITE PLAN FOR:
CITY OF MOBILE - MIMS PARK
Mobile, AL
SCALE: AS NOTED
DATE: 10/15/2024

ALABAMA LICENSED No. 50660 PROFESSIONAL ENGINEER CHRISTINA MARIE DELL
10/15/2024

E3.0

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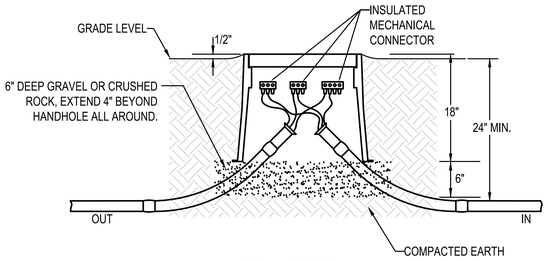
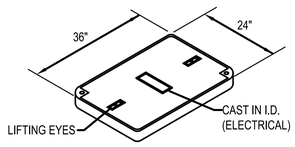
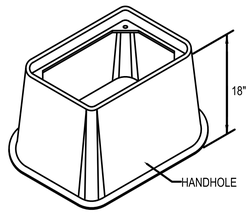


INSTALLATION DETAIL





HANDHOLE AS QUAZITE PG2436HH0017 BOX COMPLETE WITH PG2436HA0017 COVER. COVER SHALL BE TRAFFIC RATED FOR 22,500 LBS.

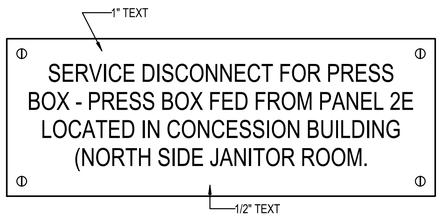
CONSTRUCTION DETAIL

HANDHOLE NOTES:

1. HANDHOLE SHALL HAVE LOGO CAST IN COVER (LOGO=ELECTRICAL). INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS AND THESE REQUIREMENTS.
2. TERMINATE CONDUITS ENTERING HANDHOLE WITH END BELL. CONSTRUCT CONDUIT RISE TO ENTER BOX FROM SIDE WITH 22-1/2° SWEEP ELBOWS.
3. CONDUITS ENTERING AND LEAVING HANDHOLE SHALL BE SEALED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLES 514 AND 501.15.

2 ELECTRICAL HANDHOLE DETAIL

NOT TO SCALE

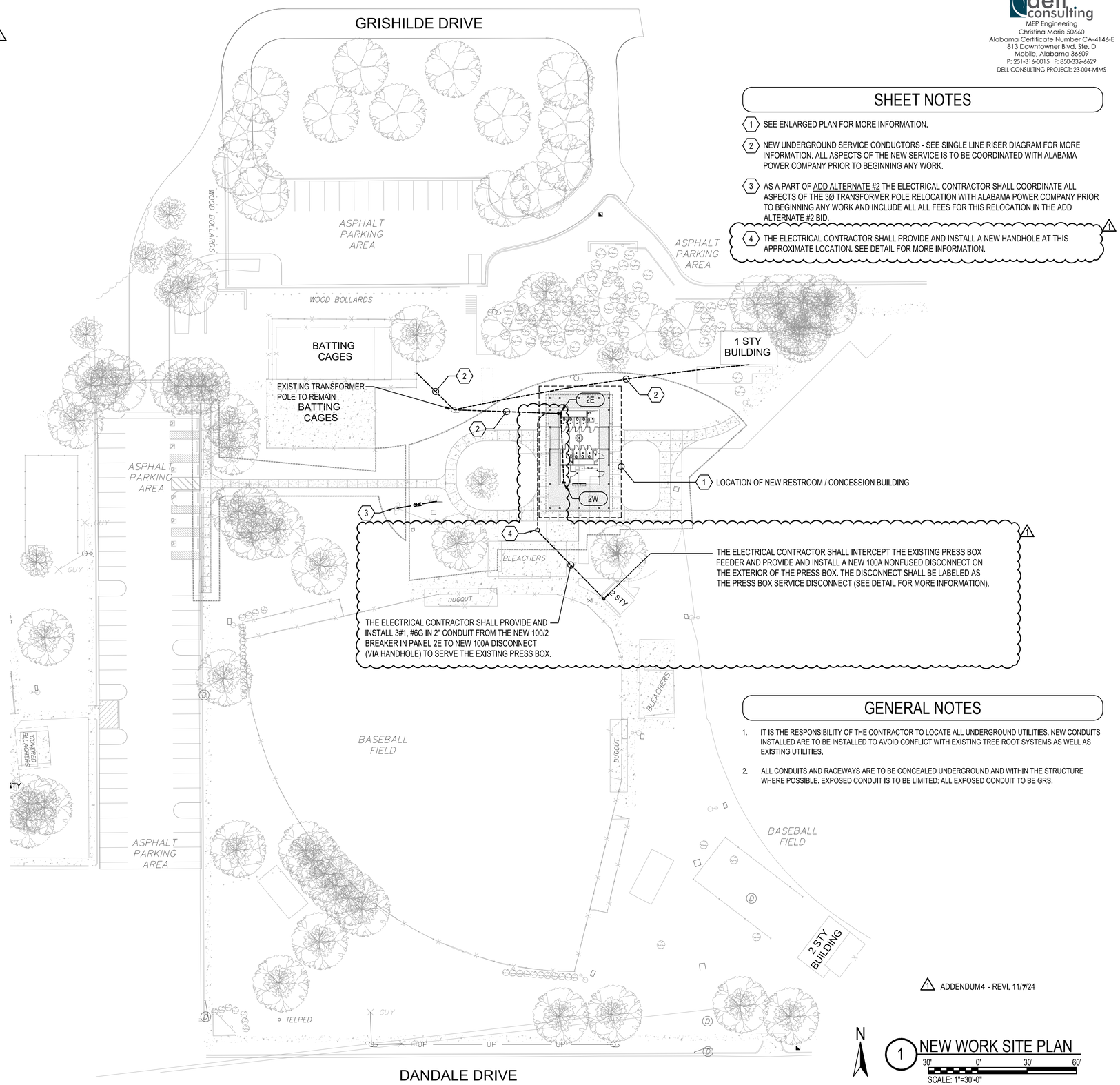


EXAMPLE SERVICE EQUIPMENT LABEL

ENGRAVED PLASTIC TAG WITH WHITE LETTERS ON RED BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS, ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. TAG SHALL AS LARGE AS REQUIRED TO FIT APPROPRIATE TEXT.

3 TYPICAL SERVICE EQUIPMENT LABELING DETAIL

NOT TO SCALE



SHEET NOTES

1. SEE ENLARGED PLAN FOR MORE INFORMATION.
2. NEW UNDERGROUND SERVICE CONDUCTORS - SEE SINGLE LINE RISER DIAGRAM FOR MORE INFORMATION. ALL ASPECTS OF THE NEW SERVICE IS TO BE COORDINATED WITH ALABAMA POWER COMPANY PRIOR TO BEGINNING ANY WORK.
3. AS A PART OF ADD ALTERNATE #2 THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ASPECTS OF THE 3Ø TRANSFORMER POLE RELOCATION WITH ALABAMA POWER COMPANY PRIOR TO BEGINNING ANY WORK AND INCLUDE ALL ALL FEES FOR THIS RELOCATION IN THE ADD ALTERNATE #2 BID.
4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A NEW HANDHOLE AT THIS APPROXIMATE LOCATION. SEE DETAIL FOR MORE INFORMATION. (1)

GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES. NEW CONDUITS INSTALLED ARE TO BE INSTALLED TO AVOID CONFLICT WITH EXISTING TREE ROOT SYSTEMS AS WELL AS EXISTING UTILITIES.
2. ALL CONDUITS AND RACEWAYS ARE TO BE CONCEALED UNDERGROUND AND WITHIN THE STRUCTURE WHERE POSSIBLE. EXPOSED CONDUIT IS TO BE LIMITED; ALL EXPOSED CONDUIT TO BE GRS.

(1) ADDENDUM4 - REVI. 11/7/24

1 NEW WORK SITE PLAN

30' 0' 30' 60'
SCALE: 1"=30'-0"

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NEW WORK ELECTRICAL SITE PLAN FOR:
CITY OF MOBILE - MIMS PARK

SCALE: AS NOTED Mobile, AL

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 50660 CHRISTINA MARIE DELL

DATE: 10/15/2024

E4.0

PANELBOARD SCHEDULE

MARK: PANEL 2W

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) A	PHASE (kVA) B	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1	CONCESSION RECEPTACLES	1	20	0.4		1.0		20	1	CONCESSION RECEPTACLES	2
3	INTERIOR LIGHTING	1	20		0.3		1.0	20	1	CONCESSION RECEPTACLES	4
5	SERVICE RECEPTACLE	1	20	0.2		1.0		20	1	CONCESSION RECEPTACLES *	6
7	SPARE	1	20				1.5	20	1	HAND DRYER *	8
9	DSSHP-1/	2	30	1.8		0.4		20	1	CONCESSION RECEPTACLES	10
11	DSSAH-1				1.8			20	1	SPARE	12
13	POWER FOR FUTURE NVR	1	20	0.5		0.4		20	1	CONCESSION RECEPTACLES	14
15	SPARE	1	20					20	1	SPARE	16
17	EWH-1	2	30	2.3		1.5		20	1	HAND DRYER *	18
19					2.3		1.0	20	1	CONCESSION RECEPTACLES	20
21	SPARE	1	20			0.2		20	1	DOOR MAG LOCKS	22
23	CONCESSION RECEPTACLES *	1	20		1.0		0.3	20	1	INTERIOR LIGHTING	24
25	SERVICE RECEPTACLE	1	20	0.2		0.2		20	1	STORAGE RECEPTACLE	26
27	RCP-1	1	20		0.7			20	1	SPARE	28
29	SPARE	1	20			0.2		20	1	EXTERIOR LIGHTS	30
				5.3	6.1	4.8	3.8				

TOTAL (kVA) ØA 10.1 ØB 10.0 HIGH PHASE (AMPS) 84.3

TOTAL CONNECTED LOAD (kVA) 20.1 TOTAL LOAD (AMPS) 83.7

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) & ROOM NUMBERS FOR EVERY BRANCH CIRCUIT.

* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER.

PANELBOARD SCHEDULE

MARK: PANEL 2E

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) A	PHASE (kVA) B	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1	SPARE	1	20			0.2		20	1	GENERAL RECEPTACLES	2
3	INTERIOR LIGHTING	1	20		0.1			20	1	SPARE	4
5	SPARE	1	20			1.5		20	1	HAND DRYER *	6
7	INTERIOR LIGHTING	1	20		0.2			20	1	SPARE	8
9	PANEL 2W	2	125	10.1		0.5		20	1	DOOR MAG LOCKS	10
11					10.0		0.2	20	1	EXTERIOR LIGHTING	12
13	SPARE	1	20					20	1	SPARE	14
15	EWC *	1	20		0.2		0.2	20	1	EWC *	16
17	EXISTING	2	100	9.6				20	1	SPARE	18
19	PRESSBOX				9.6		1.5	20	1	HAND DRYER *	20
21	SPARE	2	60					20	1	SPARE	22
23								20	1	SPARE	24
				19.7	20.1	2.2	1.9				

TOTAL (kVA) ØA 21.9 ØB 21.9 HIGH PHASE (AMPS) 182.8

TOTAL CONNECTED LOAD (kVA) 43.9 TOTAL LOAD (AMPS) 182.7

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) & ROOM NUMBERS FOR EVERY BRANCH CIRCUIT.

* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER.

MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE

MARK	ITEM	VOLTAGE/Ø	MCA	LOAD	MEANS OF DISCONNECT*	C/B TRIP (AMPS)	CIRCUIT Ø	CIRCUIT GROUND	CIRCUIT CONDUIT	SERVING PANEL	NOTES
EWH-1	ELECTRIC WATER HEATER	240/1	25	4.5 KW	TSM	30	2#10	#10	3/4"C	2W	
RCP-1	RECIRCULATION PUMP	120/1	20	1/5 HP	TSM	20	2#12	#12	3/4"C	2W	
EF-1	EXHAUST FAN	120/1	20	89 WATTS	TSM	20	2#12	#12	3/4"C	2W/2E	
DSS	DUCTLESS SPLIT SYSTEM	240/1	30	3.6 KVA	TSM	30	2#10	#10	1/2"C	2W	

NOTES

*N1=NEMA 1, N3R=NEMA 3R, SS=SAFETY SWITCH, FSS=FUSED SAFETY SWITCH, C/B=SERVING C/B, TS=MANUAL TOGGLE SWITCH, TSM=MOTOR RATED TS

1. DISCONNECT INTEGRAL TO EQUIPMENT BY DIVISION 15.
2. PROVIDE FVNR ENCLOSED MAGNETIC MOTOR STARTER NEMA SIZED AS REQUIRED.
3. PROVIDE COMBINATION FVNR ENCLOSED MAGNETIC MOTOR STARTER NEMA SIZED AS REQUIRED.
4. PROVIDE MOTOR RATED POWER RELAY IN NEMA 1 ENCLOSURE FOR CONTROL OF EQUIPMENT.
5. VFD W/INTEGRAL DISCONNECT PROVIDED BY DIVISION 15, CONNECTED BY DIVISION 16.
6. PROVIDE AUXILIARY CONTACT IN SAFETY SWITCH. SEE DETAIL.

PANELBOARD INFORMATION SCHEDULE

MARK	ENCLOSURE TYPE	MOUNTING STYLE	VOLTAGE	Ø	WIRE	MAIN BKR	IF MLO, SERVING BKR	SERVICE RATED	kAIC RATING	Ø BUS RATING (A)	N BUS RATING	FEEDER CONDUCTORS	FEEDER GROUND	FEEDER CONDUIT	NOTES
2E	NEMA 1	SURFACE	120/240	1	3	225	N/A	YES	10	225	100%	3#4/0	NONE	2 1/2"C	
2W	NEMA 1	SURFACE	120/240	1	3	MLO	125	NO	10	125	100%	3#1/0	#6	2"C	

NOTES

ALL PANELBOARDS ARE TO HAVE COPPER BUS.

ALL PANELBOARDS ARE TO HAVE ARC FLASH WARNING LABEL IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ARTICLE 110.16

NOTE: THIS IS AN ELECTRICAL POWER DISTRIBUTION SYSTEM SINGLE LINE DIAGRAM, NOT ALL MECHANICAL EQUIPMENT CIRCUITS AND BRANCH CIRCUITS ARE SHOWN

NOTE: OCPDs ON THE SECONDARY OF DRY-TYPE XFMRS SHALL BE INSTALLED WITHIN 10' PER NEC 240.21(C)(2)

NOTE: LOCATION OF MAIN BREAKERS AND FEEDERS INTO EQUIPMENT IS NOT INTENDED TO SHOW TOP OR BOTTOM MOUNTED MAIN BREAKER OR BOTTOM, TOP OR SIDE FEEDER ENTRY. THE SINGLE LINE DIAGRAM IS PURELY DIAGRAMMATIC. CONTRACTOR SHALL VERIFY PROPER BREAKER POSITIONS AND FEEDER ENTRIES INTO EQUIPMENT AND PROVIDE AS REQUIRED.

SINGLE LINE DIAGRAM LEGEND

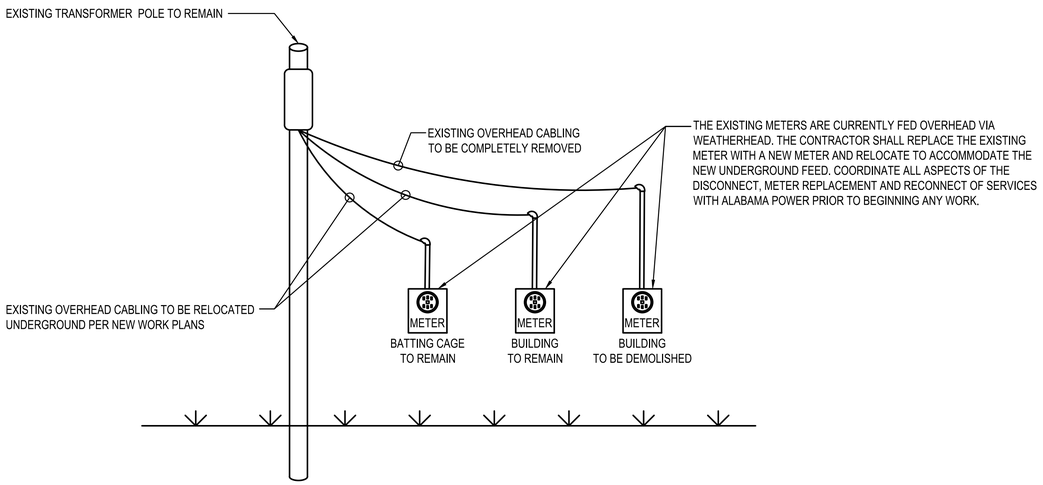
XXX — FAULT CURRENT TAG. AVAILABLE SYMMETRICAL FAULT CURRENT IN kA AT EQUIPMENT INDICATED. BASED ON XXXXkVA UTILITY TRANSFORMER.

CIRCUIT BREAKER

NORMAL POWER FEEDER/CKT.

GROUNDING ELECTRODE AND GROUNDING ELECTRODE CONDUCTOR

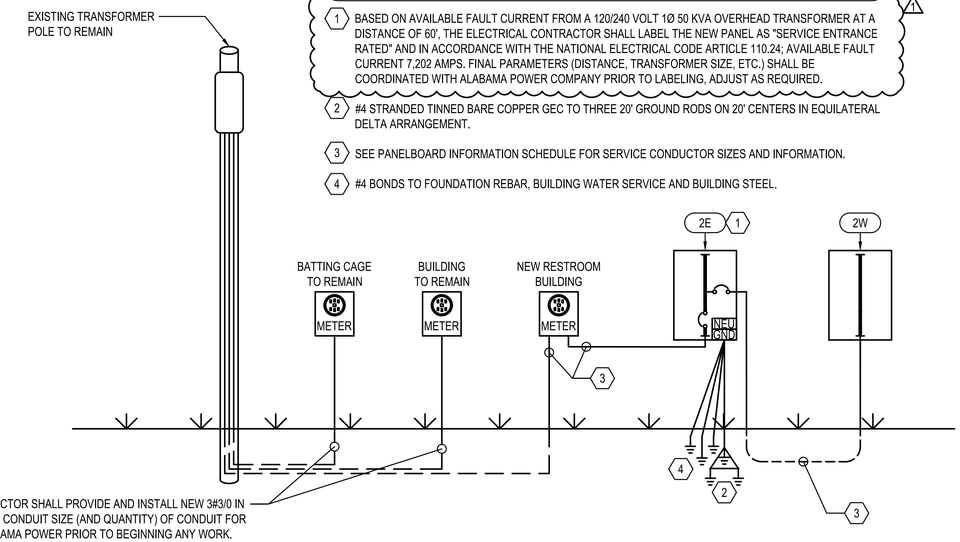
PANELBOARD. SEE PANELBOARD INFORMATION SCHEDULE FOR FEEDER SIZE AND PANELBOARD SIZE & DATA.



1 EXISTING SINGLE LINE RISER DIAGRAM
NOT TO SCALE

SHEET NOTES

1. BASED ON AVAILABLE FAULT CURRENT FROM A 120/240 VOLT 1Ø 50 KVA OVERHEAD TRANSFORMER AT A DISTANCE OF 60', THE ELECTRICAL CONTRACTOR SHALL LABEL THE NEW PANEL AS "SERVICE ENTRANCE RATED" AND IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 110.24; AVAILABLE FAULT CURRENT 7,202 AMPS. FINAL PARAMETERS (DISTANCE, TRANSFORMER SIZE, ETC.) SHALL BE COORDINATED WITH ALABAMA POWER COMPANY PRIOR TO LABELING, ADJUST AS REQUIRED.
2. #4 STRANDED TINNED BARE COPPER GEC TO THREE 20' GROUND RODS ON 20' CENTERS IN EQUILATERAL DELTA ARRANGEMENT.
3. SEE PANELBOARD INFORMATION SCHEDULE FOR SERVICE CONDUCTOR SIZES AND INFORMATION.
4. #4 BONDS TO FOUNDATION REBAR, BUILDING WATER SERVICE AND BUILDING STEEL.



2 MODIFIED SINGLE LINE RISER DIAGRAM
NOT TO SCALE

1 ADDENDUM 4 - REVI. 11/7/24

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DELL CONSULTING PROJECT: 23-004-MIMS

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ELECTRICAL SCHEDULES & DETAILS FOR:
CITY OF MOBILE - MIMS PARK
SCALE: AS NOTED Mobile, AL
DATE: 10/15/2024

ALABAMA LICENSED No. 50660 PROFESSIONAL ENGINEER CHRISTINA MARIE
10/15/2024

E7.0

GENERAL

1. TO THE BEST OF OUR KNOWLEDGE, THE STRUCTURAL PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE 2021 INTERNATIONAL BUILDING CODE.

2. THE STRUCTURAL DOCUMENTS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING DOCUMENTS. USE THESE NOTES IN CONJUNCTION WITH THE SPECIFICATIONS. IF A CONFLICT EXISTS, THE MORE STRINGENT GOVERNS.

3. COMPLY WITH REQUIREMENTS OF THE BUILDING CODE, OSHA, AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES, STANDARDS, REGULATIONS AND LAWS.

4. ALL REFERENCED STANDARDS REFER TO THE EDITION IN FORCE AT THE TIME THESE PLANS AND SPECIFICATIONS ARE ISSUED FOR PERMITTING.

5. REVIEW ALL CONTRACT DOCUMENTS, DIMENSIONS AND SITE CONDITIONS AND COORDINATE WITH FIELD DIMENSIONS AND PROJECT SHOP DRAWINGS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES IN WRITING TO ARCHITECT/ENGINEER. DO NOT CHANGE SIZE OR DIMENSIONS OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTIONS FROM THE STRUCTURAL ENGINEER OF RECORD.

6. ANY DISCREPANCIES, OMISSIONS OR VARIATIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS DISCOVERED DURING THE BIDDING PERIOD SHALL BE IMMEDIATELY COMMUNICATED IN WRITING TO THE ARCHITECT/ENGINEER.

7. PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITY LINES FROM ALL DAMAGE. EACH CONTRACTOR SHALL PROTECT HIS WORK, ADJACENT PROPERTY AND THE PUBLIC. EACH CONTRACTOR IS SOLELY RESPONSIBLE FOR DAMAGE OR INJURY DUE TO HIS ACT OR NEGLECT.

8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY AND CONSTRUCTION PROCEDURES.

9. DO NOT SCALE DRAWINGS; USE DIMENSIONS.

10. REFER TO ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS FOR SIZE AND LOCATION OF OPENINGS IN STRUCTURE NOT SHOWN ON STRUCTURAL DRAWINGS.

11. DETAILS LABELED "TYPICAL DETAILS" OR "TYP" ON THE DRAWINGS APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE RESOLVED BY THE ARCHITECT/ENGINEER.

12. DESIGN LOADS AND CRITERIA :

A. LIVE LOADS :
- ROOF: 20 PSF
- FLOOR: 100 PSF
- CONCENTRATED LOADS : AS SHOWN ON PLANS

B. TRUSS DESIGN LOADS
- TOP CHORD DEAD LOAD MAX: 15 PSF
- TOP CHORD DEAD LOAD MIN: 5 PSF
- BOTTOM CHORD DEAD LOAD MAX: 10 PSF
- BOTTOM CHORD DEAD LOAD MIN: 5 PSF
- ROOF LIVE LOAD: 20 PSF
- ROOF UPLIFT PRESSURES: REFER TO S1.4

C. WIND CRITERIA (ASCE 7-16):
- ADDRESS: 5400 GRISHILDE DRIVE MOBILE, ALABAMA
- WIND SPEED, V_{ULT} : 160 MPH
- EXPOSURE : B
- RISK CATEGORY : II
- ENCLOSURE: ENCLOSED*

* TO ACHIEVE ENCLOSED CLASSIFICATION, ALL GLAZED OPENINGS SHALL BE IMPACT RESISTANT OR PROTECTED WITH IMPACT RESISISTING COVERING. ALL LOUVERS FOR THE FIRST 30 FEET SHALL MEET THE REQUIREMENTS OF AN APPROVED IMPACT-RESISTING STANDARD OF THE LARGE MISSILE TEST OF ASTM E1996.

D. SEISMIC CRITERIA (ASCE 7-16) :
- IMPORTANCE FACTOR : 1.00
- MAPPED RESPONSE ACCELERATION, S_S : 0.130
- MAPPED RESPONSE ACCELERATION, S_1 : 0.068
- RESPONSE COEFFICIENT, S_{D1} : 0.097
- RESPONSE COEFFICIENT, S_{DS} : 0.11
- DESIGN CATEGORY : B
- SEISMIC-FORCE-RESISTING SYSTEM : LIGHT-FRAME SHEATHED BEARING WALLS
- RESPONSE MODIFICATION FACTOR, R : 7.0
- RESPONSE COEFFICIENT, C_S : 0.014
- ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE

E. SNOW LOAD CRITERIA (ASCE 7-16) :
- GROUND SNOW LOAD : 0 PSF

F. REFERENCE DATA AND FLOOD DATA:
- ADDRESS: 5400 GRISHILDE DRIVE MOBILE, ALABAMA
- STRUCTURAL PLANS ARE BASED ON TOP OF CONCRETE FOR THE GROUND LEVEL 0'-0" = 97.00' NGVD (COORDINATE WITH CIVIL DRAWINGS)
- PROJECT LOCATED IN FLOOD ZONE X.

13. ALL WIND FORCES SHALL BE DETERMINED ACCORDING TO THE PROVISIONS OF ASCE FOR THE MINIMUM WIND CRITERIA STATED IN NOTE 12, INCLUDE ALL APPROPRIATE SHAPE, HEIGHT, AND GUST FACTORS FOR THE MAIN WIND FORCE RESISTING SYSTEM AND CLADDING. TO CALCULATE THE MAXIMUM NET ROOF UPLIFT, USE 60% DEAD LOAD.

SHOP DRAWING SUBMITTAL

1. THE FOLLOWING REQUIREMENTS IN NO WAY REDUCE OR LIMIT ANY ADDITIONAL REQUIREMENTS OF THE SPECIFICATIONS.

2. REVIEW OF SUBMITTALS BY THE STRUCTURAL ENGINEER IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. RESPONSIBILITY FOR THE CORRECTNESS OF DIMENSIONS, DETAILS, QUANTITIES, AND SAFETY DURING FABRICATION AND CONSTRUCTION SHALL REMAIN WITH THE CONTRACTOR.

3. CORRECTIONS AND/OR COMMENTS MADE ON THE SHOP DRAWINGS DURING REVIEW DO NOT IMPLY THAT ALL ERRORS AND OMISSIONS HAVE BEEN CORRECTED, NOR DOES IT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE CONTRACT DOCUMENTS.

4. NO DETAILED CHECK OF QUANTITIES OR DIMENSIONS WILL BE MADE. ONLY THOSE SHOP DRAWINGS REQUIRED BY THE CONTRACT DOCUMENTS TO BE SUBMITTED WILL BE REVIEWED. ALL OTHERS WILL BE RETURNED WITHOUT COMMENT.

5. SHOP DRAWINGS WILL NOT BE REVIEWED UNLESS THEY ARE STAMPED "APPROVED" OR "APPROVED AS NOTED" BY THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER, WHICH EVER IS APPLICABLE.

6. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY SPECIFIC DEVIATIONS TO THE CONTRACT DOCUMENTS AND OBTAIN ENGINEER'S WRITTEN APPROVAL BEFORE PROCEEDING.

7. IN ACCORDANCE WITH THE SPECIFICATIONS SUBMIT SHOP DRAWINGS CONSISTENT WITH THE FOLLOWING CRITERIA:

A. ALLOW ADEQUATE TIME FOR TRANSIT AND PROCESSING BEFORE FABRICATION.

B. SCHEDULE AND SUBMIT SHOP DRAWINGS FOR SPECIFIC COMPONENTS, SUCH AS COLUMNS, FOOTINGS, ETC., IN THEIR ENTIRETY. SHOP DRAWINGS FOR SIMILAR FLOORS SHALL BE SUBMITTED IN THE SAME PACKAGE.

C. SUBMIT SHOP DRAWINGS IN A TIMELY MANNER, CONSISTENT WITH THE ABOVE REQUIREMENTS.

8. ALL CHANGES AND ADDITIONS MADE ON RESUBMITTALS MUST BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RESUBMITTALS MUST BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. ARCHITECT / ENGINEER REVIEW WILL BE LIMITED TO THE ITEMS CAUSING THE RESUBMITTAL.

9. DO NOT REPRODUCE THE CONTRACT DOCUMENTS FOR USE AS SHOP DRAWINGS.

10. SHOP DRAWINGS NOT MEETING THE ABOVE CRITERIA OR SUBMITTED AFTER FABRICATION WILL NOT BE REVIEWED.

11. RESPONSIBILITIES OF DETAILERS AND FABRICATORS:

A. GENERAL- SUBMIT SHOP DRAWINGS AND ANY OTHER SPECIAL INFORMATION NECESSARY FOR PROPER FABRICATION, ERECTION, AND PLACEMENT OF STRUCTURAL FABRICATIONS. INCLUDE PLANS, ELEVATIONS, AND SECTIONS. CLEARLY SHOW ANCHORAGES, CONNECTIONS, AND ACCESSORY ITEMS. THE DETAILER MUST INTERPRET THE CONTRACT DOCUMENTS AND CLEARLY CONVEY THIS INTERPRETATION TO THE FIELD IN THE FORM OF PLACING OR ERECTION DRAWINGS.

B. CONCRETE REINFORCING DETAILER- PROVIDE PLACING DRAWINGS FOR FABRICATION AND PLACING OF REINFORCING STEAL. THESE DRAWINGS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: BAR LISTS, SCHEDULES, BENDING DETAILS, PLACING DETAILS, PLACING PLANS, AND PLACING ELEVATIONS.

C. CLEARLY SHOW ELEVATION, SECTIONS, AND DETAILS OF ALL BEAM TO COLUMN CONNECTIONS.

D. CLEARLY SHOW COLUMN ELEVATIONS AND SECTIONS. INDICATE DOWELS, OFFSETS, LAP SPLICES, AND TIES. PLAN SECTIONS OF ALL COLUMNS MUST CLEARLY BE SHOWN.

E. CLEARLY SHOW ELEVATIONS OF ALL BEARING AND SHEAR WALLS. INDICATE OPENINGS, DETAILS OF ALL REINFORCING WITH LOCATIONS OF SPLICES AND HOOKS, ALL CONTROL JOINTS, EXPANSION JOINTS, LINTELS, CONCRETE BOND BEAMS, AND PILASTERS. CLEARLY SHOW BEAM ELEVATIONS AND SECTIONS. INDICATE BAR LENGTHS, HOOKS, STIRRUP SPACING, LAP SPLICES, OFFSETS, AND LOCATION OF BARS WITH RESPECT TO ALL SUPPORTS.

F. CLEARLY SHOW FOUNDATION REINFORCING. INDICATE BAR LENGTHS, LOCATION AND SPLICES OF CONTINUOUS BARS, AND BAR SUPPORTS. CLEARLY SHOW LOCATIONS OF ALL DOWELS ON PLAN. INDICATE FOOTING STEP LOCATIONS AND PROVIDE DETAILS.

12. FOR ADDITIONAL CRITERIA APPLICABLE TO SHOP DRAWINGS REQUIRING ENGINEERING INPUT BY A SPECIALTY ENGINEER, REFER TO "SHOP DRAWING REQUIRING ENGINEERING INPUT BY SPECIALTY ENGINEER" GENERAL NOTE SECTION.

SHOP DRAWING REQUIRING ENGINEERING INPUT BY SPECIALTY ENGINEER

1. SPECIALTY ENGINEER:

A. DEFINITION - A REGISTERED PROFESSIONAL ENGINEER IN THE STATE THE PROJECT IS LOCATED WHO SPECIALIZES IN AND WHO UNDERTAKES THE DESIGN OF STRUCTURAL COMPONENTS OR STRUCTURAL SYSTEMS INCLUDED IN A SPECIFIC SUBMITTAL PREPARED FOR THIS PROJECT.

B. SHALL BE:
A. AN EMPLOYEE OR OFFICER OF A FABRICATOR.
B. AN EMPLOYEE OR OFFICER OF AN ENTITY SUPPLYING COMPONENTS TO A FABRICATOR.
C. AN INDEPENDENT CONSULTANT RETAINED BY THE FABRICATOR OR HIS SUPPLIER.

2. THE FOLLOWING SYSTEMS AND COMPONENTS AS A MINIMUM REQUIRE FABRICATION AND ERECTION DRAWINGS WITH INPUT BY A SPECIALTY ENGINEER, BUT ARE NOT LIMITED TO: TRUSSES, GIRDER TRUSSES, SPECIAL ENGINEERED WOOD, SHORING AND RESHORING, WINDOWS, STOREFRONT, CURTAIN WALL SYSTEMS, DOORS, ROOF SYSTEMS, PRE-ENGINEERED STAIRS, LOUVERS, SIDING AND ANY EXTERIOR ANCILLARY STRUCTURES.

3. THE SPECIALTY ENGINEER OR MANUFACTURER SHALL DESIGN, PROVIDE, AND INSTALL THEIR COMPONENTS AND THE COMPONENT CONNECTIONS TO THE PRIMARY STRUCTURE PER THE WIND CRITERIA STATED IN THESE NOTES OR THE CURRENT GOVERNING BUILDING CODES, WHICHEVER IS MORE STRINGENT.

4. SUBMITTALS SHALL CLEARLY IDENTIFY THE SPECIFIC PROJECT AND APPLICABLE CODES, LIST THE DESIGN CRITERIA, AND SHOW ALL DETAILS AND PLANS NECESSARY FOR PROPER FABRICATION AND INSTALLATION. CALCULATIONS AND SHOP DRAWINGS SHALL IDENTIFY SPECIFIC PRODUCT UTILIZED. GENERIC PRODUCTS WILL NOT BE ACCEPTED.

5. SHOP DRAWINGS AND CALCULATIONS MUST BE PREPARED UNDER THE DIRECT SUPERVISION AND CONTROL OF THE SPECIALTY ENGINEER.

6. SHOP DRAWINGS AND CALCULATIONS REQUIRE THE SEAL, DATE AND SIGNATURE OF THE SPECIALTY ENGINEER. COMPUTER PRINTOUTS ARE AN ACCEPTABLE SUBSTITUTE FOR MANUAL COMPUTATIONS PROVIDED THEY ARE ACCOMPANIED BY SUFFICIENT DESCRIPTIVE INFORMATION TO PERMIT THEIR PROPER EVALUATION. SUCH DESCRIPTIVE INFORMATION SHALL BEAR THE EMBOSSED SEAL AND SIGNATURE OF THE SPECIALTY ENGINEER AS AN INDICATION THAT HE HAS ACCEPTED RESPONSIBILITY FOR THE RESULTS. THE STRUCTURAL ENGINEER WILL RETAIN ONE SIGNED AND SEALED COPY FOR RECORD.

7. CATALOG INFORMATION ON STANDARD PRODUCTS DOES NOT REQUIRE THE SEAL OF A SPECIALTY ENGINEER.

8. REVIEW BY THE STRUCTURAL ENGINEER OF RECORD OF SUBMITTALS IS LIMITED TO VERIFYING THE FOLLOWING:
A. THAT THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED.
B. THAT THE STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY THE SPECIALTY ENGINEER.
C. THAT THE SPECIALTY ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND HAS USED THE SPECIFIED STRUCTURAL CRITERIA. (NO DETAILED CHECK OF CALCULATIONS WILL BE MADE.)
D. THAT THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONTRACT DOCUMENTS. (NO DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE.)

SOIL PREPARATION, SOIL COMPACTION, AND GEOTECHNICAL CONSIDERATIONS FOR FOOTING DESIGN

1. GEOTECHNICAL REPORT - GEOTECHNICAL ENGINEERING TESTING, INC. (GET) - REPORT DATE: 12/22/2023 REPORT NAME: SOILS EXPLORATIONS AND GEOTECHNICAL ENGINEERING STUDIES FOR BUILDING ADDITION AT MIMMS PARK, MOBILE ALABAMA.

2. BASIS OF DESIGN CONSIDERS 1500 PSF NET ALLOWABLE BEARING PRESSURE.

3. SOIL COMPACTION BENEATH THE SPREAD FOOTINGS SHALL BE 100% STANDARD PROCTOR. SOIL COMPACTION SHALL BE MONITORED BY A GEOTECHINCAL ENGINEER LICENSED IN THE STATE OF ALABAMA.

4. EXCAVATE EXISTING SOIL TO BOTTOM OF FOOTINGS. ALL DELETERIOUS MATERIAL MUST BE COMPLETELY REMOVED.

5. ALL EXISTING UTILITIES & ORGANICS (INCLUDING STUMPS AND ROOTS) SHALL BE COMPLETELY REMOVED PRIOR TO FILL OPERATIONS.

6. SOIL COMPACTION, FILL, AND ITS REPLACEMENT SHALL BE FIELD CONTROLLED BY THE TESTING AGENCY OR GEOTECHNICAL ENGINEER OF RECORD. THE TESTING AGENCY SHALL RANDOMLY SELECT ALL TEST LOCATIONS.

7. THE CONTRACTOR SHALL DETERMINE WHETHER DE-WATERING WILL BE REQUIRED BASED ON ACTUAL GROUND WATER CONDITIONS AT THE TIME OF CONSTRUCTION.

SLABS ON GRADE

1. GEOTECHNICAL REPORT - GEOTECHNICAL ENGINEERING TESTING, INC. (GET) - REPORT DATE: 12/22/2023 REPORT NAME: SOILS EXPLORATIONS AND GEOTECHNICAL ENGINEERING STUDIES FOR BUILDING ADDITION AT MIMMS PARK, MOBILE ALABAMA.

2. SOIL COMPACTION BENEATH THE SLABS ON GRADE SHALL BE 100% STANDARD PROCTOR. SOIL COMPACTION SHALL BE MONITORED BY A GEOTECHINCAL ENGINEER LICENSED IN THE STATE OF ALABAMA.

3. USE 15 MIL. POLYETHYLENE SHEETING BETWEEN SOIL AND CONCRETE SLAB, UNLESS OTHERWISE NOTED.

4. RECESS SLABS ON GRADE FOR FLOOR FINISHES PER ARCHITECTURAL DRAWINGS.

5. THE SLAB ON GRADE SHALL BE SUPPORTED BY STRUCTURAL FILL MATERIAL AND 4-INCHES OF FREE DRAINING GRANULAR SOILS OR GRAVEL MEETING ALDOT CRITERIA BENEATH THE POLYETHYLENE SHEETING FOR SUPPORT THE SLAB ON GRADE.

6. REFER TO PLAN FOR THICKNESS AND DIMENSIONS.

PLAIN AND REINFORCED CONCRETE

1. USE STRUCTURAL CONCRETE AND CONCRETING PRACTICES CONFORMING TO ACI-316 AND 301 AND PROPORTION CONCRETE IN ACCORDANCE WITH ACI-318 CH. 4 AND MEETING A MINIMUM. ULTIMATE COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS:

SLABS AND FOOTINGS 4000 PSI
ALL OTHER CONCRETE: 4000 PSI
PROVIDE CURRENT (MAXIMUM. 1 YEAR OLD) STATISTICAL DATA FOR EACH CONCRETE MIX DESIGN SUBMITTED.

2. WHERE CONCENTRATION OF REINFORCING STEEL HINDERS PROPER CONSOLIDATION OF CONCRETE USE CONCRETE CONTAINING A SUPERPLASTICIZING (N.R.W.R.) ADMIXTURE, ASTM C494 TYPE F. SLUMP AFTER ADDITION OF SUPERPLASTICIZER SHALL BE 7" ±1".

3. IF CONCRETE IS PUMPED, SLUMP MAY BE INCREASED TO 6" AT THE TRUCK. USE A MINIMUM 4-INCH PUMP, UNLESS PRE-APPROVED BY ENGINEER. TAKE CONCRETE SAMPLES FOR SLUMP AT TRUCK AND AT DISCHARGE END. TAKE CONCRETE SAMPLES FOR CYLINDER TESTING AT DISCHARGE END.

4. PROVIDE CONSTRUCTION JOINTS IN ACCORDANCE WITH ACI 318 CH. 6.4 AND SUBMIT SHOP DRAWINGS SHOWING LOCATIONS AND DIRECTION OF CONCRETE PLACEMENT FOR STRUCTURAL ENGINEER'S REVIEW. ROUGHEN JOINTS AND EXTEND ALL REINFORCEMENT THROUGH JOINT. PROVIDE CLASS B LAP SPLICE BEYOND JOINT. PROVIDE JOINTS IN MIDDLE THIRD OF ALL SLAB & BEAMS U.O.N.

7. PROVIDE REINFORCING STEEL ERECTOR WITH A SET OF STRUCTURAL PLANS FOR FIELD USE. INSPECT REINFORCING STEEL PLACING FROM STRUCTURAL PLANS.

8. USE ASTM A-615 GR. 60 FOR ALL REINFORCING STEEL, CONFORM TO ACI-301, ACI-315, ACI-318, AND CRSI "MANUAL OF STANDARD PRACTICE". ALL REINFORCING SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE WITH BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH THE ABOVE REQUIREMENTS. PROVIDE CLASS 'B' LAP SPLICE FOR CONTINUOUS BARS, UNLESS OTHERWISE NOTED. LAP BOTTOM STEEL OVER SUPPORTS AND TOP STEEL AT MID SPAN UNLESS OTHERWISE SPECIFIED. HOOK DISCONTINUOUS ENDS OF ALL TOP BARS AND ALL BARS IN WALLS, UNLESS OTHERWISE NOTED.

9. PLACE REINFORCING STEEL SUCH THAT BARS ADJACENT TO CONCRETE SURFACES & COLD JOINTS MEET MINIMUM CLEAR COVER REQUIREMENTS, BUT DO NOT EXCEED THOSE REQUIREMENTS. USE THE FOLLOWING CLEAR COVER OVER REINFORCING:

	BOTTOM	TOP	SIDES
SLABS, FOOTINGS AND RETAINING WALLS	-	1 1/2"	1 1/2"
FOOTINGS	3"	2"	3"
PIERS	-	1 1/2"	1 1/2"

10. USE PLAIN, COLD-DRAWN ELECTRICALLY-WELDED STEEL WIRE FABRIC CONFORMING TO ASTM A-185. SUPPLY IN FLAT SHEETS ONLY. LAP SPLICES SHALL BE MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET AND SHALL BE NOT LESS THAN TWICE THE SPACING OF THE CROSS WIRES PLUS TWO (2) INCHES.

11. SLEEVE ALL PIPES THROUGH SLABS INDIVIDUALLY, UNLESS APPROVED BY ENGINEER.

12. SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATING REINFORCING STEEL. DO NOT REPRODUCE THE STRUCTURAL DRAWINGS FOR USE AS SHOP DRAWINGS.

13. PROVIDE CLASS 'B' LAP SPLICE AT SUPPORTS AND HOOK DISCONTINUOUS ENDS AT THE FAR FACE OF SUPPORTS FOR ALL BEAMS, UNLESS OTHERWISE NOTED.

14. REINFORCING PLACED IN LOCATIONS WHERE PROPER COVER CANNOT BE ACHIEVED SHALL BE HOT DIPPED GALVANIZED ACCORDING TO ASTM A767 WITH 2 OUNCES OF ZINC COATING PER SQUARE FOOT OF SURFACE AREA MINIMUM.

15. ALL EXPOSED CONCRETE AND GROUT EDGES SHALL HAVE 3/4", 45° CHAMFER UNLESS OTHERWISE NOTED.

WOOD

1. DESIGN AND CONSTRUCT IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION AND THE AMERICAN PLYWOOD ASSOCIATION.

2. WOOD SHALL BE PRESSURE TREATED NO. 1 SOUTHERN PINE OR BETTER MATCHING THE SIZES SHOWN ON THE PLANS, TYPICAL UNLESS OTHERWISE NOTED.

3. ALL 2x6 WOOD STUDS SHALL BE #1 SOUTHERN YELLOW PINE.

4. WALL TOP PLATE: DOUBLE 2X6 TOP PLATE AND A BEVELED 4x6 TOP PLATE CUT TO MATCH THE ROOF SLOPE. NAIL HEADER ASSEMBLY TOGETHER WITH (3) GALV. 20d NAILS @ 20" ON CENTER.

5. USE INTERNATIONAL BUILDING CODE APPROVED NAILING SCHEDULES WHERE NAILING INFORMATION IS NOT PROVIDED.

6. REFER TO STEEL FASTENERS/HARDWARE AND PRESERVATIVE TREATMENT NOTES FOR ADDITIONAL INFORMATION.

7. PLYWOOD WALL & ROOF SHEATHING SHALL BE APA STRUCTURAL 1 RATED SHEATHING EXTERIOR, MATCHING THE THICKNESS SHOWN ON THE PLANS.

8. LOW ROOF JOISTS SECTION CRITERIA SHALL MEET THE FOLLOWING:

A. MINIMUM TOTAL DEPTH: 11 7/8"
B. MINIMUM TOP AND BOTTOM FLANGE WIDTHS: 2"
C. MINIMUM WEB THICKNESS: 3/8"
D. MINIMUM FLANGE THICKNESS: 1.5"
E. MINIMUM LOAD CAPACITY: 134 PLF
F. MINIMUM DEFLECTION CRITERIA: L/240 <1.0"

9. UPPER ROOF JOISTS SECTION CRITERIA SHALL MEET THE FOLLOWING:
A. MINIMUM TOTAL DEPTH: 11 7/8"
B. MINIMUM TOP AND BOTTOM FLANGE WIDTHS: 1.75"
C. MINIMUM WEB THICKNESS: 3/8"
D. MINIMUM FLANGE THICKNESS: 1 1/8"
E. MINIMUM LOAD CAPACITY: 225 PLF
F. MINIMUM DEFLECTION CRITERIA: L/240 <0.5"

10. ALL LVL MEMBERS SECTION CRITERIA SHALL MEET THE FOLLOWING:

LOCATION	MEMBER DESIGNATION	MEMBER DEPTH	MIN. SHEAR CAPACITY	MIN. MOMENT CAPACITY	WT. PER FT	Ixx
A. WALLHEADERS	5 1/4" x 11 7/8"	11 7/8"	11,000 LB	31,000 LB*FT	18.1 PLF	732.6 IN^4
B. PORCH BEAMS	5 1/4" x 11 7/8"	11 7/8"	11,000 LB	31,000 LB*FT	18.1 PLF	732.6 IN^4
C. LOW ROOF	3 1/2" x 11 7/8"	11 7/8"	7,000 LB	21,000 LB*FT	12.1 PLF	488.4 IN^4
D. UPPER ROOF	3 1/2" x 11 7/8"	11 7/8"	7,000 LB	21,000 LB*FT	12.1 PLF	488.4 IN^4

PRESERVATIVE TREATMENT

1. TO THE EXTENT POSSIBLE , ALL WOOD SHALL BE CUT, DRILLED, AND COMPLETELY FABRICATED PRIOR TO PRESSURE TREATMENT. WHEN FIELD FABRICATION OF WOOD IS REQUIRED OR IF WOOD IS DAMAGED, ALL CUTS, BORE HOLES, AND DAMAGE SHALL BE IMMEDIATELY FIELD TREATED WITH WOOD PRESERVATIVE IN ACCORDANCE WITH AWPA STANDARDS.

2. ALL LUMBER SHALL BE TREATED IN ACCORDANCE WITH THE REQUIREMENT OF AWPA STANDARDS AND ASTM D1760.

3. TREATED MATERIAL SHALL BE FREE OF EXCESS PRESERVATIVE ON THE WOOD SURFACE. THE TREATING PROCESS SHALL INCLUDE AN EXPANSION BATH, STEAMING AND/OR DRIPPING TO ENSURE THAT PRESERVATIVE WILL NOT BLEED.

4. TREATED WOOD SHALL BE INSPECTED AND CERTIFIED IN ACCORDANCE WITH AWPA STANDARDS.

5. WOOD ATTACHED DIRECTLY TO CONCRETE OR MASONRY OR EXPOSED TO THE WEATHER SHALL BE PRESSURE TREATED WITH ALKALINE COPPER QUAT - TYPE C (ACQ-C) AT THE RATE OF 0.60 LBS/ CU FT.

2 ADDENDUM 4 | 11/7/2024

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SCALE 12" = 1'-0"

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DATE: May 5, 2024

ALABAMA LICENSED
No. 28305 PROFESSIONAL
04-24-2024
CHAD EDWARD LYNER ENGINEER

S0.1

STEEL FASTENERS AND HARDWARE

1. FASTENERS IN CONTACT WITH ACQ TREATED LUMBER SHALL EITHER BE TYPE 316 STAINLESS STEEL OR SHALL BE HOT DIPPED GALVANIZED ACCORDING TO ASTM A153 WITH 2 OUNCES OF ZINC COATING PER SQUARE FOOT MINIMUM, AND SEPARATED WITH A WATERPROOF MEMBRANE.
2. FASTENERS AND CONNECTORS USED TOGETHER SHOULD BE OF THE SAME TYPE. DO NOT MIX HOT-DIPPED GALVANIZED ITEMS WITH STAINLESS STEEL.
3. ALL INDOOR VISUALLY EXPOSED CONNECTORS AND FASTENERS SHALL BE 316 STAINLESS STEEL.
4. ALL STEEL PLATES AND SHAPES SHALL COMPLY WITH THE REQUIREMENTS OF 316 STAINLESS STEEL.
5. BOLTS AND LAG SCREWS SHALL COMPLY WITH THE REQUIREMENTS OF 316 STAINLESS STEEL, AND SHALL PREFERABLY BE DOME HEAD TIMBER BOLTS.
6. WASHERS & NUTS SHALL BE PROVIDED UNDER BOLT AND LAG SCREW HEADS AND NUTS THAT ARE IN CONTACT WITH WOOD AND SHALL BE HOT DIPPED GALVANIZED OR 316 STAINLESS STEEL. WASHERS MAY BE OMITTED UNDER HEADS OF SPECIAL TIMBER BOLTS OR DOME HEAD BOLTS WHEN THE SIZE AND STRENGTH OF THE HEAD IS SUFFICIENT TO DEVELOP CONNECTION STRENGTH WITHOUT WOOD CRUSHING.
7. ALL SIMPSON CONNECTORS SHALL BE GALVANIZED.
8. CONNECTORS SHALL BE SIMPSON OR ENGINEERED APPROVED EQUAL. CONNECTORS CALLED OUT ON PLANS ARE SIMPSON MODEL NUMBERS. INSTALL CONNECTORS ACCORDING TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS USING THE MAXIMUM NUMBER OF CONNECTORS, UNLESS OTHERWISE NOTED.
9. ALL NAILS, BOLTS, AND CONNECTORS EXPOSED TO THE WEATHER OR IN CONTACT WITH TREATED LUMBER SHALL BE GALVANIZED OR STAINLESS STEEL. USE STANDARD CODE APPROVED NAILING SCHEDULES WHERE NAILING INFORMATION IS NOT PROVIDED. EXTERIOR NAILS PLACED IN TREATED LUMBER SHALL BE RING, SHANKED.
   A. TYPE 316 STAINLESS STEEL SHALL BE USED FOR ALL FASTENERS AND CONNECTORS EXPOSED TO OCEAN SALT AIR.
   B. FASTENERS IN CONTACT WITH ACQ TREATED LUMBER AND NOT EXPOSED TO OCEAN SALT AIR SHALL EITHER TYPE 316 STAINLESS STEEL OR SHALL BE HOT-DIP GALVANIZED ACCORDING TO ASTM A153 WITH 2 OUNCES OF ZINC COATING PER SQUARE FOOT MINIMUM.
   C. CONNECTORS IN CONTACT WITH ACQ TREATED LUMBER AND NOT EXPOSED TO OCEAN SALT AIR SHALL EITHER TYPE 316 STAINLESS STEEL OR SHALL BE HOT-DIP GALVANIZED ACCORDING TO ASTM A653. CLASS G185 SHEET WITH 1.85 OUNCES OF ZINC COATING PER SQUARE FOOT MINIMUM. GALVANIZED CONNECTORS SHALL BE SEPARATED FROM ACQ TREATED LUMBER USING A PHYSICAL SPACER/BARRIER MATERIAL SUCH AS GRACE VYCOR DECK PROTECTOR OR BY GIVING THE CONTACT SURFACE A HEAVY COAT OF ALKALI RESISTANT BITUMINOUS PAINT.
   D. FASTENERS AND CONNECTERS USED TOGETHER SHOULD BE OF THE SAME TYPE; DO NOT MIX HOT-DIP GALVANIZED ITEMS WITH STAINLESS STEEL.
   E. ALUMINUM PRODUCTS SHALL BE SEPARATED FROM WOOD, INCLUDING ACT TREATED LUMBER, USING A PHYSICAL SPACER/BARRIER MATERIAL SUCH AS GRACE VYCOR DECK PROTECTOR OR BY GIVING THE CONTACT SURFACE A HEAVY COAT OF ALKALI RESISTANT BITUMINOUS PAINT.
   F. STAINLESS STEEL FASTENERS AND CONNECTORS IN CONTACT WITH ALUMINUM IN THE PRESENCE OF OCEAN SALT AIR SHALL BE PAINTED PRIOR TO INSTALLATION, COAT ALUMINUM WITH CHROMATE CONVERSION COATING OR SEPERATE STAINLESS WASHERS FROM ALUMINUM WITHA NEOPRENE WASHER.

ANCHORS & POST INSTALLED REINFORCING

1. SUBSTITUTION OF ANCHORS SPECIFIED BELOW FOR CAST-IN-PLACE EMBEDDED ANCHORS SHALL BE PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL FROM TEH ENGINEER OF RECORD.
2. ALLOWABLE WORKING LOADS SHALL NOT EXCEED MANUFACTURER'S RECOMMENDATIONS, BUT NOT MORE THAN ACCEPTED BY APPROVING AGENCY. NO INCREASE FOR WIND OR SEISMIC LOADS IS PERMITTED.
3. PROVIDE A MINIMUM OF TWO FASTENERS PER CONNECTION.
4. INSTALL AND MAINTAIN A MINIMUM EMBEDMENT IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, OR AS SPECIFIED ON DRAWINGS, WHICHEVER IS GREATER, BUT WITH AN EMBEDMENT OF NOT LESS THAN 6 BOLT DIAMETERS.
5. UNLESS NOTED, ANCHOR SPACING AND ANCHOR EDGE DISTANCE SHALL BE ACCORDING TO THE MANUFACTURER'S MOST CURRENT PUBLICATION IN ORDER TO DEVELOP MAXIMUM WORKING LOADS.
6. DO NOT EXCEED MANUFACTURER'S MAXIMUM RECOMMENDED TIGHTENING TORQUE.
7. ALL ANCHORS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND UNDER MANUFACTURER CERTIFIED SUPERVISION IN ORDER TO DEVELOP THE MOST CURRENT PUBLISHED WORKING LOADS.
8. EXPANSION ANCHORS: USE 316 STAINLESS STEEL WEDGE-TYPE EXPANSION ANCHORS SUCH AS HILTI KWIK BOLT II OR ENGINEERED APPROVED EQUIVALENT.
9. ALL DRILLED AND EPOXIED ANCHORS, THREADED RODS OR BOLTS SHALL BE 316 STAINLESS STEEL.
10. ADHESIVE ANCHORING SYSTEMS FOR 316 STAINLESS STEEL ANCHORS, THREADED RODS OR BOLTS:
    A. USE AN EPOXY OR POLYESTER RESIN ADHESIVE SUCH AS HILTI RE 500, SIMPSON SET OR ACCEPTED ALTERNATE.
    B. DIAMETER OF HOLE SHALL BE AS RECOMMENDED BY MANUFACTURE FOR THE PARTICULAR PRODUCT SPECIFIED IN THE DRAWINGS.
    C. ALL EPOXIED ANCHORING SHALL BE OBSERVED BY A MANUFACTURER'S AUTHORIZED REPRESENTATIVE OR SHALL BE TESTED AFTER INSTALLATION AT CONTRACTOR'S EXPENSE. A MINIMUM OF 10% OF EACH DAY'S APPLICATIONS AND NO LESS THAN 2 SHALL BE TESTED BY THE FOLLOWING:
       1. REINFORCING STEEL: APPLY A TENSION LOAD OF 3000 lb TO THE EMBEDDED ANCHOR
       2. THREADED RODS AND BOLTS: APPLY 50% OF MAXIMUM ALLOWABLE TORQUE AS RECOMMENDED BY MANUFACTURER

       IF A TEST APPLICATION FAILS, ALL APPLICATIONS FOR THAT DAY SHALL BE TESTED. TESTING PROCEDURES AND RESULTS SHALL BE SUBMITTED AND APPROVED BY ENGINEER.
10. POWDER ACTUATED FASTENERS: USE POWDER ACTUATED FASTENING SYSTEMS SUCH AS HILTI, RED HEAD, RAMSET, OR AN ACCEPTED ALTERNATE HAVING ICBO, OR SBCCI APPROVAL. INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, BUT NOT LESS THAN 1 1/8" INCHES IN CONCRETE, UNLESS OTHERWISE NOTED.
11. ANCHOR INSTALLATION SHALL ENSURE RECOMMENDED MANUFACTURER LOADS CAN BE ACHIEVED.

CONCRETE MASONRY UNITS:

1. ALL MASONRY DESIGN SHALL CONFORM TO TMS 402/602.
2. REINFORCED MASONRY WALL DESIGN IS BASED ON INSPECTED MASONRY AS REQUIRED BY TMS 402/602 SPECIFICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A QUALITY CONTROL AND INSPECTION PROGRAM TO INSURE THAT ALL MASONRY WALL CONSTRUCTION IS IN COMPLIANCE WITH THE CONTRACT DOCUMENTS. REFER TO SPECIFICATION FOR THE MINIMUM REQUIREMENTS FOR THIS PROGRAM.
3. ALL MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 402/602)" PUBLISHED BY THE MASONRY SOCIETY, EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
4. CONSTRUCT REINFORCED AND UNREINFORCED MASONRY AS NOTED ON THE PLANS AND DETAILS AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "SPECIFICATION FOR MASONRY STRUCTURES".
5. USE CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. PROVIDE F'M OF 2000 PSI (UNIT STRENGTH 2000 PSI) FOR ALL REINFORCED MASONRY WALLS. PERFORM COMPRESSIVE STRENGTH COMPLIANCE BY PRISM TEST METHOD. USE ONLY MASONRY UNITS THAT ARE A MIN. OF 50% SOLID. REFER TO THE SPECIFICATIONS FOR TESTING FREQUENCIES.
6. USE TYPE "S" MORTAR IN ACCORDANCE WITH ASTM C270. USE FULL-BEDDED JOINTS FOR ALL MASONRY UNITS. REMOVE MORTAR PROTRUDING INTO CELL CAVITIES THAT ARE TO BE REINFORCED AND GROUTED. ALLOW A MIN. OF 24 HOURS FOR MORTAR TO CURE BEFORE PLACING GROUT. REFER TO THE SPECIFICATIONS FOR TESTING REQUIREMENTS.
7. USE ALL GROUT CONFIRMING TO ASTM C-476 WITH A MIN. COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS, TESTED IN ACCORDANCE WITH ASTM C1019. AGGREGATE TO CONFORM TO ASTM C404 FOR COARSE GROUT AND SLUMP OF 8" TO 11". TEST SAMPLES FOR COMPRESSIVE STRENGTH. REFER TO THE SPECIFICATION FOR TESTING REQUIREMENTS.
8. REFER TO THE MASONRY DETAILS FOR REINFORCING REQUIREMENTS.
9. FOR UNREINFORCED WALLS USE STANDARD TRUSS-TYPE MASONRY HORIZONTAL REINFORCING IN EVERY OTHER COURSE OF MASONRY.
10. USE ASTM A-615 GRADE 60 REINFORCING STEEL.
11. IN HIGH-LIFT GROUTING USE A MAX. LIFT OF 5'-4" WITH MIN. HALF HOUR MAX. ONE HOUR BETWEEN LIFTS. VIBRATE EACH LIFT AND RECONSOLIDATE PREVIOUS LIFT AFTER PLACING NEXT LIFT.
12. WHERE ANCHOR BOLTS ARE SET IN MASONRY WALL, FILL BLOCK CELLS WITH GROUT FOR BOLTED COURSE, ONE COURSE ABOVE AND TWO COURSES BELOW ANCHOR ELEVATION.
13. USE PRESSURE-TREATED WOOD FOR ALL WOOD IN CONTACT WITH MASONRY.
14. UNLESS OTHERWISE NOTED, PROVIDE LINTELS OR HEADERS OVER ALL MASONRY OPENINGS NOT FLUSH WITH STRUCTURAL FRAME. LINTELS OR HEADERS TO BEAR MINIMUM 16 INCHES EACH SIDE OF OPENING. REFER TO TYPICAL DETAILS.
15. FOR WALLS REQUIRING A FIRE RESISTANCE RATING, PROVIDE TO THE ARCHITECT, A CERTIFICATION INDICATING THAT THE MANUFACTURER OF THE CONCRETE MASONRY UNITS HAS COMPLIED WITH ALL THE REQUIREMENTS OF THE UL LISTINGS AS SPECIFIED ON THE ARCHITECTURAL DRAWINGS.
16. COORDINATE WITH THE ARCH DRAWINGS FOR MASONRY LAYOUT & LOCATIONS OF OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS:

1. SPECIAL INSPECTIONS ARE REQUIRED IN ACCORDANCE WITH 2018 INTERNATIONAL BUILDING CODE, CHAPTER 17.
2. THE OWNER SHALL SELECT AND PAY ALL COSTS OF EMPLOYING A SPECIAL INSPECTOR, BUT THE SPECIAL INSPECTOR SHALL BE RESPONSIBLE TO THE ENFORCING AGENCY.
3. THE CONTRACTOR'S CONTRACTUAL OR STATUTORY OBLIGATIONS ARE NOT RELIEVED BY ANY ACTION OF THE SPECIAL INSPECTOR.
4. SPECIAL INSPECTION FOR WIND: REQUIRED
5. SPECIAL INSPECTIONS FOR SEISMIC: NOT REQUIRED

CONCRETE CONSTRUCTION:

1. PERIODIC SPECIAL INSPECTION SHALL BE PERFORMED ON THE FOLLOWING:
   A. REINFORCING STEEL SIZE, SPACING AND PLACEMENT
   B. ANCHOR BOLTS SIZE, SPACING, AND EMBEDMENT.
   C. POST INSTALLED ANCHORS SIZE, SPACING, EMBEDMENT, AND PROPER INSTALLATION TECHNIQUES.
   D. VERIFY CONCRETE TRUCK TICKETS ARE PROVIDING APPROVED MIX DESIGN.
2. CONTINUOUS SPECIAL INSPECTIONS SHALL BE PERFORMED ON THE FOLLOWING:
   A. CONCRETE SLUMP, AIR CONTENT, AND TEMPERATURE, AND TEST CYLINDER ACCORDING TO CONTRACT DOCUMENTS AND APPROVED MIX DESIGN.
   B. CONCRETE PLACEMENT FOR PROPER TECHNIQUE.

WOOD CONSTRUCTION:

1. SPECIAL INSPECTIONS OF PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2.5.

PRE-CONSTRUCTION TESTS:

1. REFER TO THE TECHNICAL SPECIFICATIONS FOR REQUIRED MATERIAL AND ASSEMBLY TESTS FOR THIS PROJECT.

STRUCTURAL OBSERVATIONS:

1. THE OWNER SHALL EMPLOY A REGISTERED DESIGN PROFESSIONAL LICENSED IN THE STATE THE PROJECT IS LOCATED TO VISUALLY OBSERVE THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS.
2. STRUCTURAL OBSERVATIONS DOES NOT REPLACE THE TESTING AND INSPECTION REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. PRIOR TO COMMENCEMENT OF OBSERVATIONS, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT IDENTIFYING HIS/HER QUALIFICATIONS ALONG WITH IDENTIFYING THE FREQUENCY AND EXTENT OF STRUCTURAL OBSERVATIONS.
4. AT THE CONCLUSION OF THE WORK INCLUDED IN THE PERMIT, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFY AND REPORTED DEFICIENCIES WHICH, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.

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MISCELLANEOUS STEEL:

1. FOR MISCELLANEOUS STEEL NOT SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. EDGE ANGLES, CLIP ANGLES, PLATES, BARS AND OTHER MISCELLANEOUS ROLLED SHAPES SHALL BE 316 STAINLESS STEEL, UNLESS OTHERWISE NOTED.

TEMPORARY BRACING:

1. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS REQUIRED DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL RETAIN AT THE CONTRACTOR'S EXPENSE A REGISTERED STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT TO DESIGN AND INSPECT ALL TEMPORARY SHORING AND BRACING. SIGNED, SEALED AND DATED DESIGN CALCULATIONS SHALL BE SUBMITTED FOR REVIEW WHEN REQUESTED.

STANDARD STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	EJ	EXPANSION JOINT	OF	OUTSIDE FACE
ABBREV	ABBREVIATION	EXIST	EXISTING	OPNG	OPENING
ADD	ADDITIVE	EXP	EXPANSION	PLY	PLYWOOD
ADD'L	ADDITIONAL	EXT	EXTERIOR	PC	PRECAST
ALT	ALTERNATE/ALTERNATIVE	FD	FLOOR DRAIN	PREFAB	PREFABRICATED
ALUM	ALUMINUM	FDN	FOUNDATION	PROJ	PROJECTION
ACI	AMERICAN CONCRETE INSTITUTE	FF	FINISH FLOOR	REF	REFERENCE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FIN FL	FINISH FLOOR	REINF	REINFORCING
		FS	FAR SIDE	REQ'D	REQUIRED
AISI	AMERICAN IRON AND STEEL INSTITUTE	FTG	FOOTING	RW	RETAINING WALL
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	GA	GAGE/GAUGE	REV	REVISION
		GALV	GALVANIZE	SCHED	SCHEDULE
AWS	AMERICAN WELDING SOCIETY	HORIZ	HORIZONTAL	SP, SP'S	SPACE/SPACES
ARCH	ARCHITECTURAL	HP	HIGH POINT	SPECS	SPECIFICATIONS
BM	BEAM	HT	HEIGHT	SLV	SHORT LEG VERTICAL
BRG	BEARING	ID	INSIDE DIAMETER	SIM	SIMILAR
BLK	BLOCK	IF	INSIDE FACE	STD	STANDARD
B/	BOTTOM OF	JT	JOINT	STIFF	STIFFENER
BLDG	BUILDING	JST	JOIST	STRUCT	STRUCTURAL
BTWN	BETWEEN	KWY	KEYWAY	SYM	SYMMETRICAL
BOT	BOTTOM	LBS	POUNDS	THD	THREAD/THREADED
CIP	CAST IN PLACE	LDG	LANDING	THK	THICK
C TO C	CENTER TO CENTER	LT WT	LIGHT WEIGHT	T/	TOP OF
CLR	CLEAR/CLEARANCE	LLH	LONG LEG HORIZONTAL	TD	TURN DOWN SLAB
COL	COLUMN	LLV	LONG LEG VERTICAL	T&B	TOP AND BOTTOM
CONC	CONCRETE	LP	LOW POINT	TS	THICKENED SLAB
CMU	CONCRETE MASONRY UNIT	MAX	MAXIMUM	TYP	TYPICAL
CONT	CONTINUOUS	MID	MIDDLE	TS	TUBE STEEL
CONN	CONNECTION	MANUF	MANUFACTURER	UON	UNLESS OTHERWISE NOTED
CJ	CONSTRUCTION JOINT	MIN	MINIMUM	VERT	VERTICAL
DET	DETAIL	MATL	MATERIAL	VIF	VERIFY IN FIELD
DIM	DIMENSION	MECH	MECHANICAL	WWF	WELDED WIRE FABRIC
DWG	DRAWING	MISC	MISCELLANEOUS	W	WIDE FLANGE
EA	EACH	MPH	MILES PER HOUR	w/	WITH
EF	EACH FACE	MTL	METAL	w/o	WITHOUT
ES	EACH SIDE	NS	NEAR SIDE	WP	WORK POINT
EW	EACH WAY	NIC	NOT IN CONTACT	@	AT
ELEC	ELECTRICAL	NTS	NOT TO SCALE	C	CHANNEL
ENGR	ENGINEER	NO., #	NUMBER	K	KIP (1,000 LBS)
EQ SP	EQUAL SPACED	OC	ON CENTER	Sx	SECTION MODULUS
EL:	ELEVATION	OD	OUTSIDE DIAMETER		

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ARCHITECTURAL DRAWINGS FOR:
CITY OF MOBILE- MIMS PARK
Mobile, AL 36693

SCALE 12" = 1'-0"

ALABAMA LICENSED No. 28305 PROFESSIONAL 04-24-2024 ENGINEER CHAD EDWARD TYNER

ISSUED FOR PERMIT

DATE: May 5, 2024

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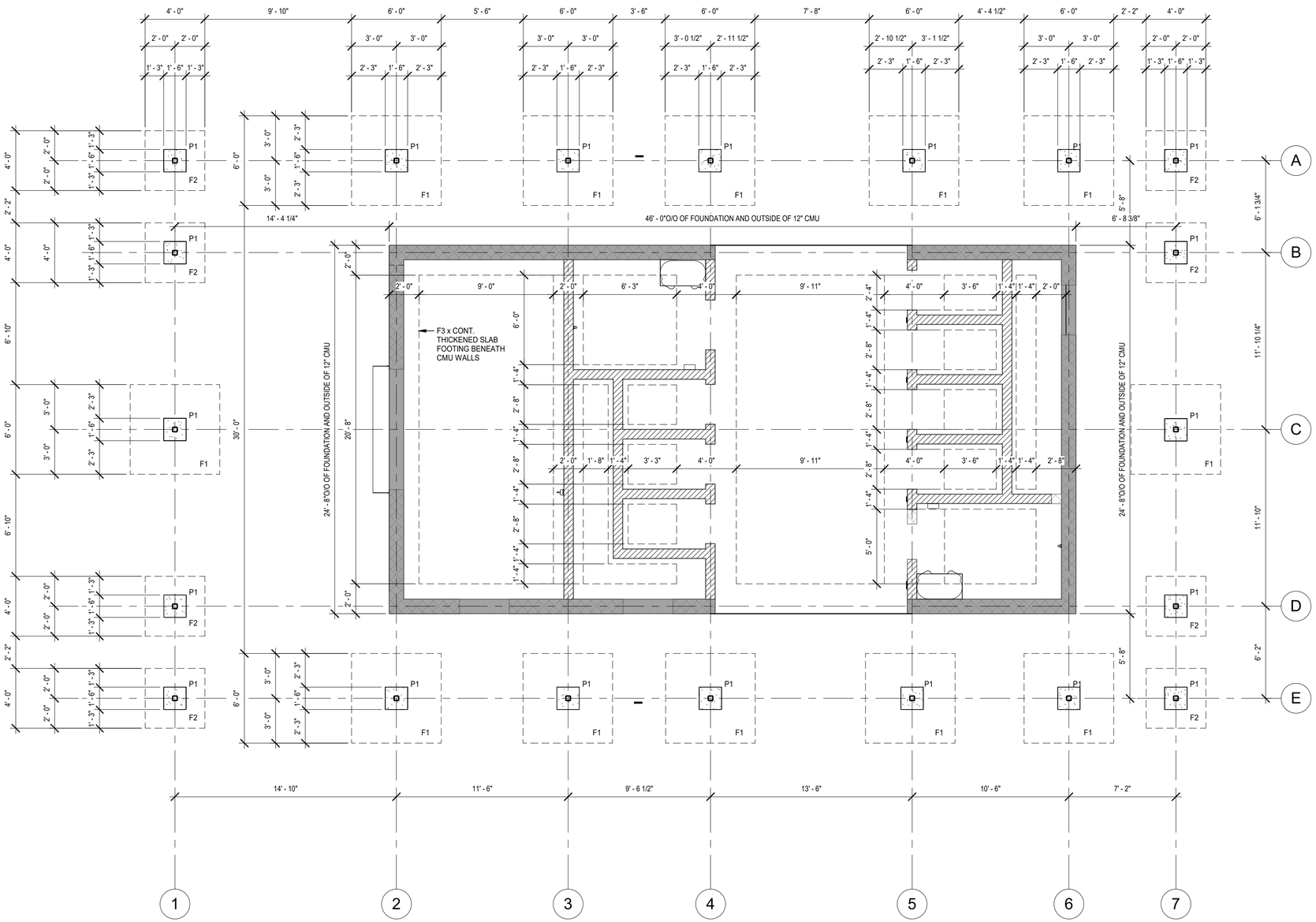

FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

TRUE NORTH

PROJECT NORTH

4' 2' 0' 4' 8'

M

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FOOTING SCHEDULE

MARK	SIZE SHORT x LONG x THICKNESS	TOP		BOTTOM		REMARKS
		SHORT	LONG	SHORT	LONG	
F1	6'-0" x 6'-0" x 1'-6"	(7)#6	(7)#6	(7)#6	(7)#6	
F2	4'-0" x 4'-0" x 1'-6"	(5)#6	(5)#6	(5)#6	(5)#6	
F3	STRIP FTG-CONTx 2'-0" DEEP x WIDTH VARIES	#4@12" O.C.	(4)#4	#4@12" O.C.	(4)#4	

PIER SCHEDULE

MARK	SIZE SHORT x LONG x THICKNESS	LONG	TIES T&B	INTERMEDIATE TIES
			#4 TIES	#4 TIES
P1	1'-6"x1'-6"x1'-6"	(10)#7 EQ. SPACED AROUND PERIMETER	3 TIES @ 2" O.C. @ T&B	3 TIES EQUALLY SPACED

FOUNDATION NOTES:

1. REFER TO GENERAL NOTES FOR NGVD REFERENCE ELEVATION FOR STRUCTURAL PLANS.
2. TOP OF SLAB ELEVATION: 0'-0" UON
3. TOP OF FOUNDATION ELEVATION: -3'-0" UON.
4. TOP OF PIER ELEVATION: -1'-0" UON.
5. ALL COLUMNS AND PIERS ARE CENTERED ON THE THE COLUMN GRID UON.
6. ALL COLUMN AND PIERS ARE CENTERED ON THE FOUNDATIONS UON.
7. ALL WALLS SHALL BE CENTERED ON THE STRIP FOOTINGS UON.
8. START AND END REINF WITH CLEAR COVER NOT TO EXCEED MIN. ALLOWED COVER ON ALL SIDES OF THE FOOTING. REMAINDER OF REINF SHALL BE PLACED WITH NO BAR SPACING EXCEEDING SPACING SHOWN IN THE SCHEDULE.
9. LONG REINF REFERS TO THE LONGER LENGTH BARS PLACED ACROSS THE SHORT SIDE.
10. SHORT REINF REFERS TO THE SHORTER LENGTH BARS PLACED ACROSS THE LONG SIDE.
11. FOOTING SIZE SHOWN IS A MAX OUTSIDE DIMENSIONS AND THICKNESS. REFER TO PLAN FOR ACTUAL SHAPE AND ORIENTATION.

LEGEND

- DENOTES CMU WALL - 8" UON (T/WALL CMU WALL EL: 10'-0" (TYP))
- DENOTES CMU WALL - 12" UON (T/WALL CMU WALL VARIES BETWEEN 14'-10" LOW END AND 20'-0" HIGH END(TYP))
- F# — INDICATES FOUNDATION TYPE REFER TO FOOTING SCHEDULE
- P# — INDICATES PIER TYPE REFER TO PIER SCHEDULE
- EL: X'-XX" — INDICATES TOP OF FOOTING REFERENCE ELEVATION REFER TO GENERAL NOTES
- FD — FLOOR DRAIN TOP OF FLOOR DRAIN ELEVATION: -0'-1/2"
- FLOOR SLOPE TOWARD THE FLOOR DRAIN
- TD — TURNDOWN, REFER TO SHEET S3.1 FOR TURNDOWN DETAILS
- SCJ — SAW CUT JOINT, REFER TO SHEET S3.1 FOR SAW CUT DETAILS
- HSS 4x4x3/8" COLUMNS

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DATE: May 5, 2024

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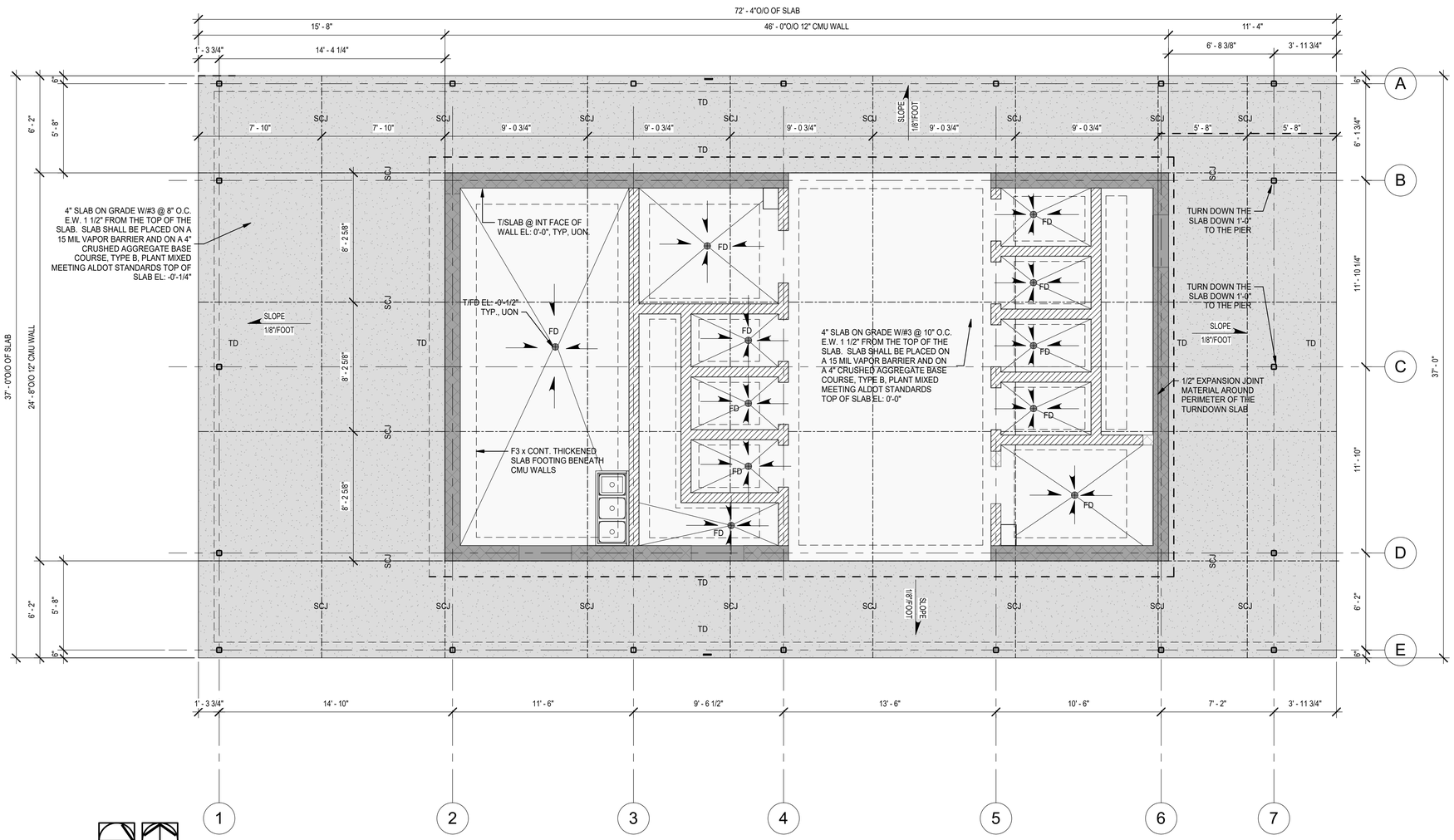

TRUE NORTH

PROJECT NORTH

SLAB ON GRADE PLAN

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

4' 2' 0' 4' 8'

SLAB ON GRADE NOTES:

1. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL CONCRETE AND SLAB ON GRADE NOTES.

2. SLAB ON GRADE SHALL BE MINIMUM 4" THICK CONCRETE PLACED ON 15 MIL MINIMUM VAPOR BARRIER ON COMPACTED FILL. REINFORCE SLAB ON GRADE WITH #3 @ 8" ON CENTER EACH WAY. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT AND REQUIREMENTS. USE CHAIRS TO POSITION REINFORCING 1" BELOW TOP OF SLAB, UNLESS OTHERWISE INDICATED, AND TO MAINTAIN THAT DEPTH DURING CONCRETE PLACEMENT.

3. TOP OF SLAB ELEVATION = 0'-0" (97.00'), UNLESS OTHERWISE NOTED. REFER TO GENERAL NOTES FOR NGVD REFERENCE ELEVATION.

4. COORDINATE ALL SLAB PENETRATION SIZES AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.

5. CONTRACTOR SHALL SUBMIT CONTROL / CONSTRUCTION JOINT LOCATION PLAN TO EOR FOR REVIEW PRIOR TO PLACING. REFER TO S3.1.

6. REFER TO S3.1 FOR TYPICAL SLAB ON GRADE DETAILS.

7. "+-" INDICATES THICKNESS OF CONC ABOVE T/SLAB.

8. COORDINATE RECESSED SLAB LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

9. SLOPE TOP OF SLAB TO FLOOR DRAINS.

LEGEND

- EXTERIOR 4" SLAB (TOP OF SLAB EL: -0'-1/4")
- INTERIOR 4" SLAB AND STRIP FOUNDATION SYSTEM (TOP OF SLAB EL: 0'-0")
- DENOTES CMU WALL - 8" UON (T/WALL CMU WALL EL: 10'-0" (TYP))
- DENOTES CMU WALL - 12" UON (T/WALL CMU WALL EL: 10'-0" (TYP))
- F# — INDICATES FOUNDATION TYPE REFER TO FOOTING SCHEDULE
- P# — INDICATES PIER TYPE REFER TO PIER SCHEDULE
- EL: X'-XX" — INDICATES TOP OF FOOTING REFERENCE ELEVATION REFER TO GENERAL NOTES
- FD — FLOOR DRAIN TOP OF FLOOR DRAIN ELEVATION: -0'-1/2"
- FLOOR SLOPE TOWARD THE FLOOR DRAIN
- TD — TURNDOWN, REFER TO SHEET S3.1 FOR TURNDOWN DETAILS
- SCJ — SAW CUT JOINT, REFER TO SHEET S3.1 FOR SAW CUT DETAILS
- HSS 4x4x3/8" COLUMNS

2 ADDENDUM 4 | 11/7/2024

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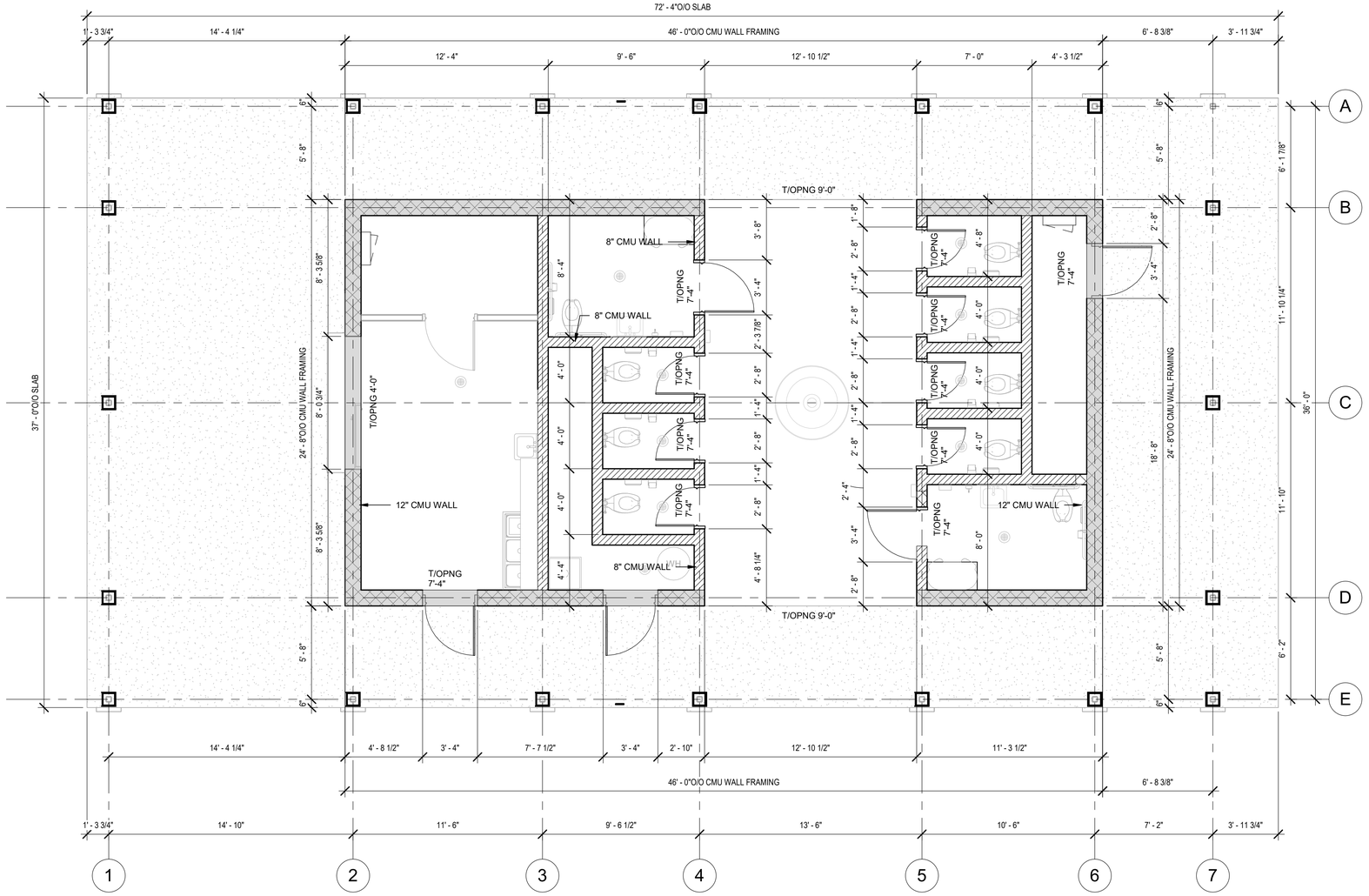

CMU WALL PLAN

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

TRUE NORTH PROJECT NORTH

4' 2' 0' 4' 8'

SLAB ON GRADE NOTES:

1. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL CONCRETE AND SLAB ON GRADE NOTES.
2. SLAB ON GRADE SHALL BE MINIMUM 4" THICK CONCRETE PLACED ON 15 MIL MINIMUM VAPOR BARRIER ON COMPACTED FILL. REINFORCE SLAB ON GRADE WITH #3 @ 8" ON CENTER EACH WAY. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT AND REQUIREMENTS. USE CHAIRS TO POSITION REINFORCING 1" BELOW TOP OF SLAB, UNLESS OTHERWISE INDICATED, AND TO MAINTAIN THAT DEPTH DURING CONCRETE PLACEMENT.
3. TOP OF SLAB ELEVATION = 0'-0" (147.50'), UNLESS OTHERWISE NOTED. REFER TO GENERAL NOTES FOR NGVD REFERENCE ELEVATION.
4. COORDINATE ALL SLAB PENETRATION SIZES AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
5. CONTRACTOR SHALL SUBMIT CONTROL / CONSTRUCTION JOINT LOCATION PLAN TO EOR FOR REVIEW PRIOR TO PLACING. REFER TO S3.1.
6. REFER TO S3.2 FOR TYPICAL SLAB ON GRADE DETAILS.
7. "+-" INDICATES THICKNESS OF CONC ABOVE T/SLAB.
8. COORDINATE RECESSED SLAB LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
9. SLOPE TOP OF SLAB TO FLOOR DRAINS.

TYPICAL CMU WALL NOTES:

1. TOP OF CMU WALL ELEVATION = VARIES, UNLESS OTHERWISE NOTED. REFER TO GENERAL NOTES FOR NGVD REFERENCE ELEVATION.
2. REFER TO GENERAL NOTES AND STANDARD CMU SHEETS FOR ADDITIONAL CMU INFORMATION.
3. REFER TO SHEET SXXXX FOR STANDARD CMU DETAILS AND REINFORCING
4. REFER TO ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING PLANS FOR OPENINGS IN CMU WALLS.
5. COORDINATE ALL OPENINGS AND OPENING ELEVATIONS IN THE CMU WITH THE ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS.
6. PROVIDE MINIMUM 16" BOND BEAM WITH (2) #5 TOP AND BOTTOM OVER ALL WALL OPENINGS UNLESS OTHERWISE DESIGNATED.

LEGEND

- DENOTES 12" CMU WALL
- DENOTES 8" CMU WALL
- TD — INDICATES TURNDOWN SLAB REFER TO SHEET S?.? FOR DETAILS
- TS — INDICATES THICKENED SLAB REFER TO SHEET S3.2 FOR DETAILS
- EL: X'-XX" — INDICATES TOP OF SLAB REFERENCE ELEVATION REFER TO GENERAL NOTES
- INDICATES HSS4X4X3/8 COLUMN ATTACH B/COL TO SUPPORT w/ SIMPSON MPB88Z MOMENT POST BASE
- INDICATES SLAB STEP DOWN
- INDICATES SLAB SLOPE DOWN
- INDICATES (43) 3/4" DIA. GALVANIZED THREADED RODS WITH GALV. NUT AND WASHER EACH END AND A COUPLING CONNECTION AT 2'-0" ABOVE THE FINISHED FLOOR AROUND THE PERIMETER OF THE BUILDING. ANCHOR ONE NUT AND WASHER A MINIMUM OF 10" INTO THE CONCRETE TURNDOWN FOUNDATION.

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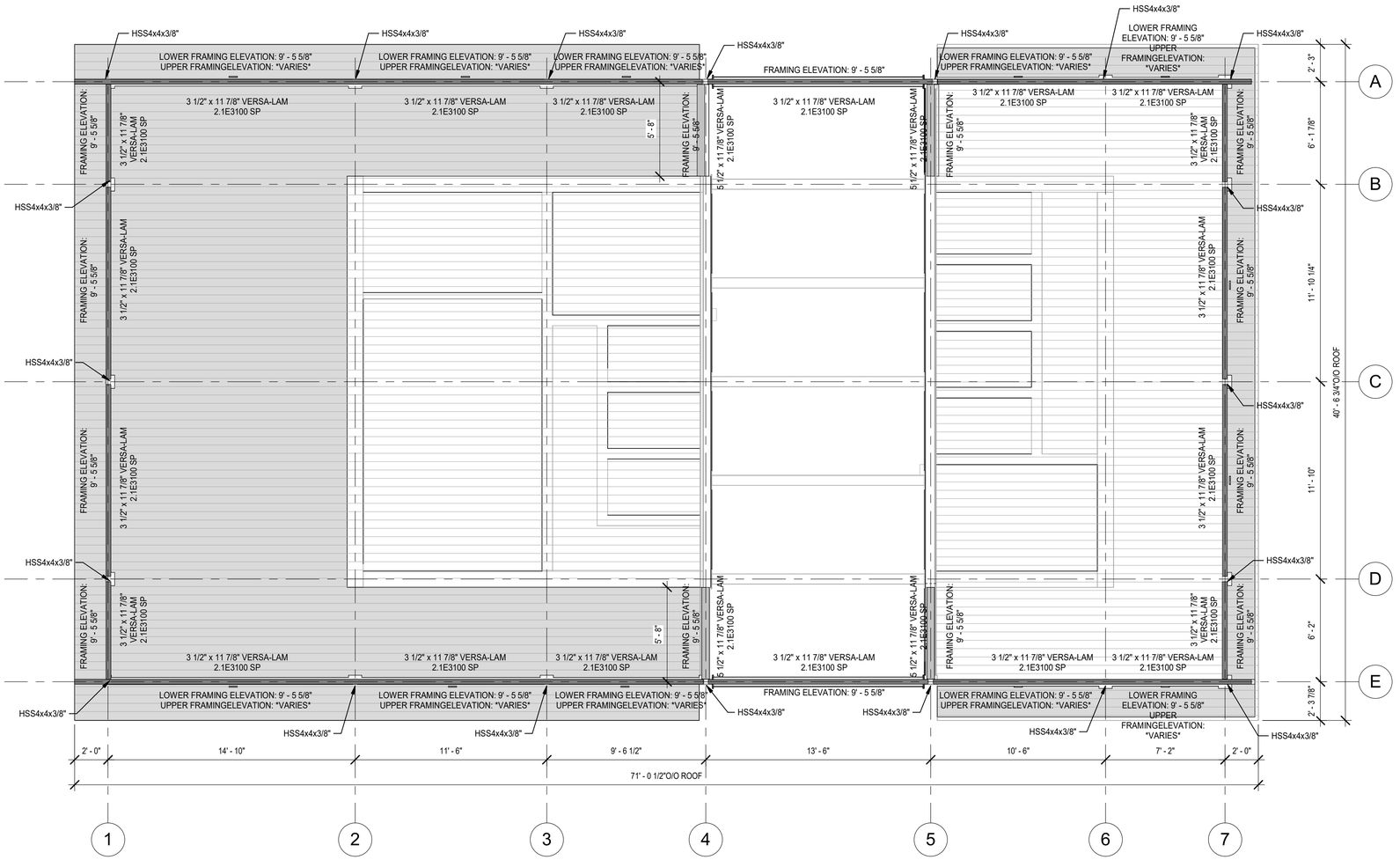

PERIMETER GIRDER FRAMING PLAN

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

TRUE NORTH PROJECT NORTH

4' 2' 0' 4' 8'

SLAB ON GRADE NOTES:

1. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL CONCRETE AND SLAB ON GRADE NOTES.

2. SLAB ON GRADE SHALL BE MINIMUM 4" THICK CONCRETE PLACED ON 15 MIL MINIMUM VAPOR BARRIER ON COMPACTED FILL. REINFORCE SLAB ON GRADE WITH #3 @ 8" ON CENTER EACH WAY. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT AND REQUIREMENTS. USE CHAIRS TO POSITION REINFORCING 1" BELOW TOP OF SLAB, UNLESS OTHERWISE INDICATED, AND TO MAINTAIN THAT DEPTH DURING CONCRETE PLACEMENT.

3. TOP OF SLAB ELEVATION = 0'-0" (147.50'), UNLESS OTHERWISE NOTED. REFER TO GENERAL NOTES FOR NGVD REFERENCE ELEVATION.

4. COORDINATE ALL SLAB PENETRATION SIZES AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.

5. CONTRACTOR SHALL SUBMIT CONTROL / CONSTRUCTION JOINT LOCATION PLAN TO EOR FOR REVIEW PRIOR TO PLACING. REFER TO S3.1.

6. REFER TO S3.2 FOR TYPICAL SLAB ON GRADE DETAILS.

7. "+-" INDICATES THICKNESS OF CONC ABOVE T/SLAB.

8. COORDINATE RECESSED SLAB LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

9. SLOPE TOP OF SLAB TO FLOOR DRAINS.

TYPICAL CMU WALL NOTES:

1. TOP OF CMU WALL ELEVATION = VARIES, UNLESS OTHERWISE NOTED. REFER TO GENERAL NOTES FOR NGVD REFERENCE ELEVATION.

2. REFER TO GENERAL NOTES AND STANDARD CMU SHEETS FOR ADDITIONAL CMU INFORMATION.

3. REFER TO SHEET SXXXX FOR STANDARD CMU DETAILS AND REINFORCING

4. REFER TO ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING PLANS FOR OPENINGS IN CMU WALLS.

5. COORDINATE ALL OPENINGS AND OPENING ELEVATIONS IN THE CMU WITH THE ARCHITECTURAL, ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS.

6. PROVIDE MINIMUM 16" BOND BEAM WITH (2) #5 TOP AND BOTTOM OVER ALL WALL OPENINGS UNLESS OTHERWISE DESIGNATED.

LEGEND

- DENOTES 3 1/2" x 11 7/8" VERSA-LAM 2.1E3100 SP
- DENOTES 5 1/2" x 11 7/8" VERSA-LAM 2.1E3100 SP
- TD — INDICATES TURNDOWN SLAB. REFER TO SHEET S?.? FOR DETAILS
- TS — INDICATES THICKENED SLAB. REFER TO SHEET S3.2 FOR DETAILS
- EL: X'-XX" — INDICATES TOP OF SLAB REFERENCE ELEVATION. REFER TO GENERAL NOTES
- INDICATES HSS4X4X3/8 COLUMN. ATTACH B/COL TO SUPPORT w/ SIMPSON MPB88Z MOMENT POST BASE
- INDICATES SLAB STEP DOWN
- INDICATES SLAB SLOPE DOWN
- INDICATES (43) 3/4" DIA. GALVANIZED THREADED RODS WITH GALV. NUT AND WASHER EACH END AND A COUPLING CONNECTION AT 2'-0" ABOVE THE FINISHED FLOOR AROUND THE PERIMETER OF THE BUILDING. ANCHOR ONE NUT AND WASHER A MINIMUM OF 10" INTO THE CONCRETE TURNDOWN FOUNDATION.

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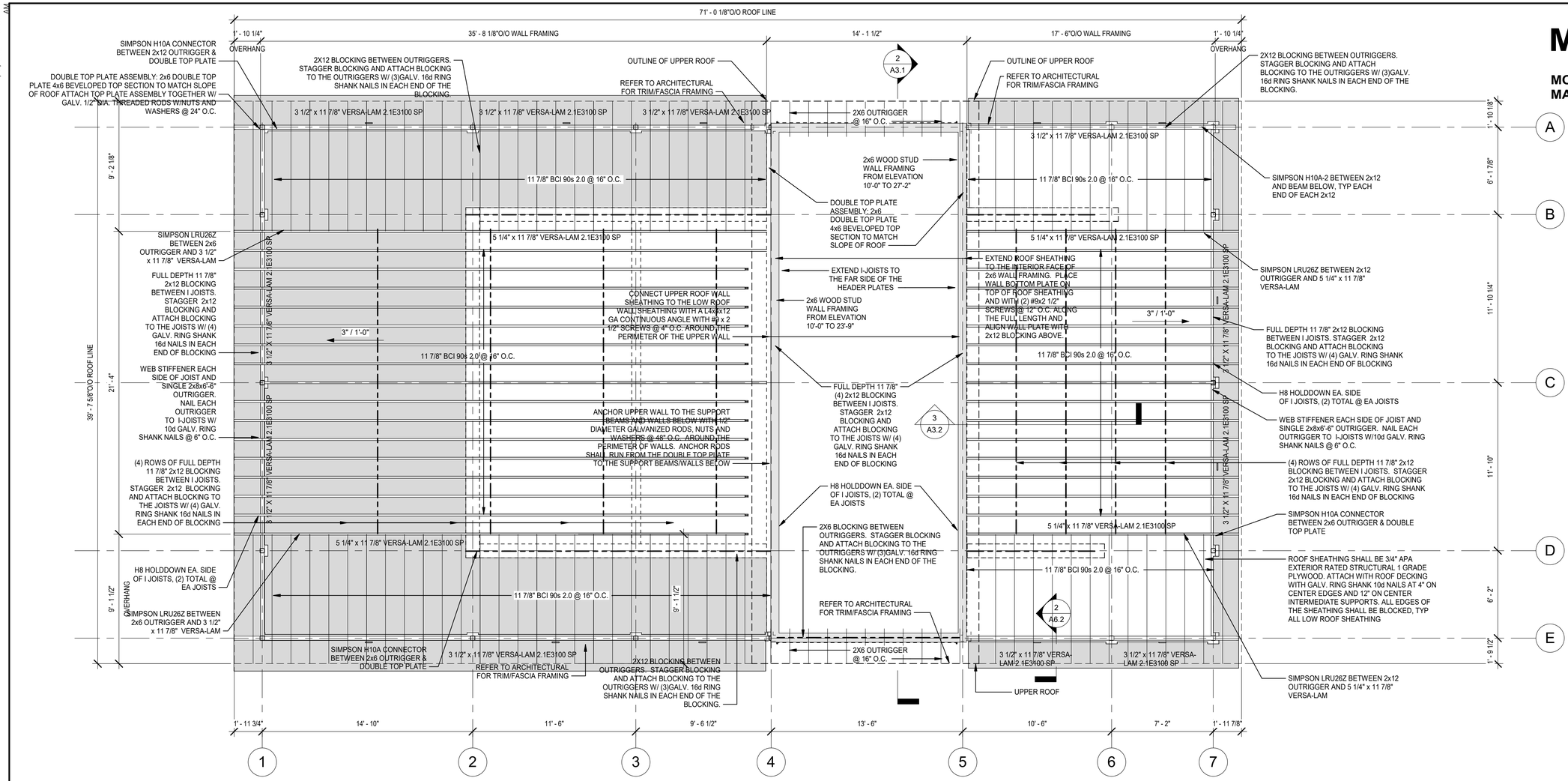


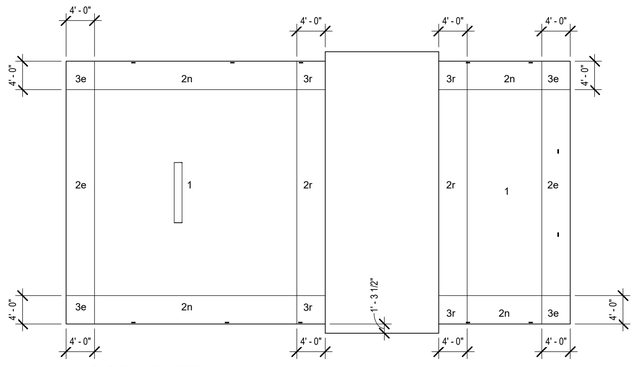
ROOF FRAMING PLAN

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

TRUE NORTH

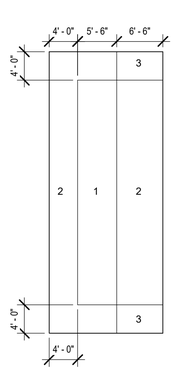
PROJECT NORTH

4' 2' 0' 4' 8'



ROOF UPLIFT PLAN

SCALE: 3/32" = 1'-0"



LOW GABLED ROOF PRESSURES				
ZONE	EFFECTIVE AREA (FT²)	PRESSURE (PSF) POSITIVE	NEGATIVE	ROOF OVERHANG
1	<=10	33.5	-101.9	N/A
	50	25.8	-62.0	N/A
	100	22.4	-31.8	N/A
	>200	22.4	-31.8	N/A
2e	<=10	33.5	-101.9	-125.3
	50	25.8	-62.0	-98.7
	100	22.4	31.8	-78.6
	>200	22.4	-31.8	-78.6
2n	<=10	33.5	-148.7	-172.1
	50	25.8	-101.9	-137.0
	100	22.4	-81.8	-121.9
	>200	22.4	-61.7	-106.8
2r	<=10	33.5	-148.7	-172.1
	50	25.8	-101.9	-137.0
	100	22.4	-81.8	-121.9
	>200	22.4	-61.7	-106.8
3e	<=10	33.5	-148.7	-200.1
	50	25.8	-101.9	-139.3
	100	22.4	-81.8	-113.2
	>200	22.4	-61.7	-87.0
3r	<=10	33.5	-176.8	-228.2
	50	25.8	-117.9	-149.7
	100	22.4	-92.6	-116.0
	>200	22.4	-92.6	-116.0

LOWER ROOF WALL PRESSURES			
ZONE	EFFECTIVE AREA (FT²)	PRESSURE (PSF) POSITIVE	NEGATIVE
4	<=10	55.2	-59.9
	50	49.4	-54.1
	200	44.4	-49.1
	>500	41.1	-45.8
5	<=10	55.2	-73.9
	50	49.4	-62.3
	200	44.4	-52.4
	>500	41.1	-45.8

NOTES:

1. WALL SECTION 5 EXTENDS FROM THE BUILDING CORNERS A DISTANCE OF 4'-0". WALL SECTION 4 IS THE REMAINDER OF THE WALL.
2. COMPONENT AND CLADDING PRESSURES SHOWN ARE ULTIMATE PRESSURES AND CAN BE REDUCED BY 0.6 FOR ALLOWABLE PRESSURES.

ROOF FRAMING NOTES:

1. ROOF SHEATHING SHALL BE 3/4" APA EXTERIOR RATED STRUCTURAL 1 GRADE PLYWOOD. ATTACH WITH ROOF DECKING WITH GALV. RING SHANK 10d NAILS AT 6" ON CENTER EDGES AND 12" ON CENTER INTERMEDIATE SUPPORTS. ALL EDGES OF THE SHEATHING SHALL BE BLOCKED. PROVIDE STAGGERED LAYOUT.
2. ALL WOOD MEMBERS EXPOSED TO WEATHER SHALL BE PRESSURE TREATED.
3. JOISTS BRACING SHOWN AS MINIMUM. REFER TO TRUSS DESIGNER FOR ADDITIONAL BRACING REQUIREMENTS.
4. ALL SIMPSON CONNECTORS AND HANGERS SHALL BE HOT DIPPED GALVANIZED WITH A MINIMUM OF A G90 COATING THICKNESS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR TOP AND BOTTOM ELEVATIONS OF OPENINGS IN WALLS.
6. REFER TO S1.4 AND S1.6 FOR TOP OF WALL ELEVATIONS.
7. REFER TO S1.5 AND S1.6 FOR ROOF UPLIFT DIAGRAM AND PRESSURES.

2 ADDENDUM 4 | 11/7/2024

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ARCHITECTURAL DRAWINGS FOR:
CITY OF MOBILE- MIMS PARK
Mobile, AL 36693

SCALE: As indicated

ALABAMA LICENSED
No. 28305 PROFESSIONAL
04-24-2024
CHAD EDWARD LYNER ENGINEER

ISSUED FOR PERMIT

DATE: May 5, 2024

S1.5

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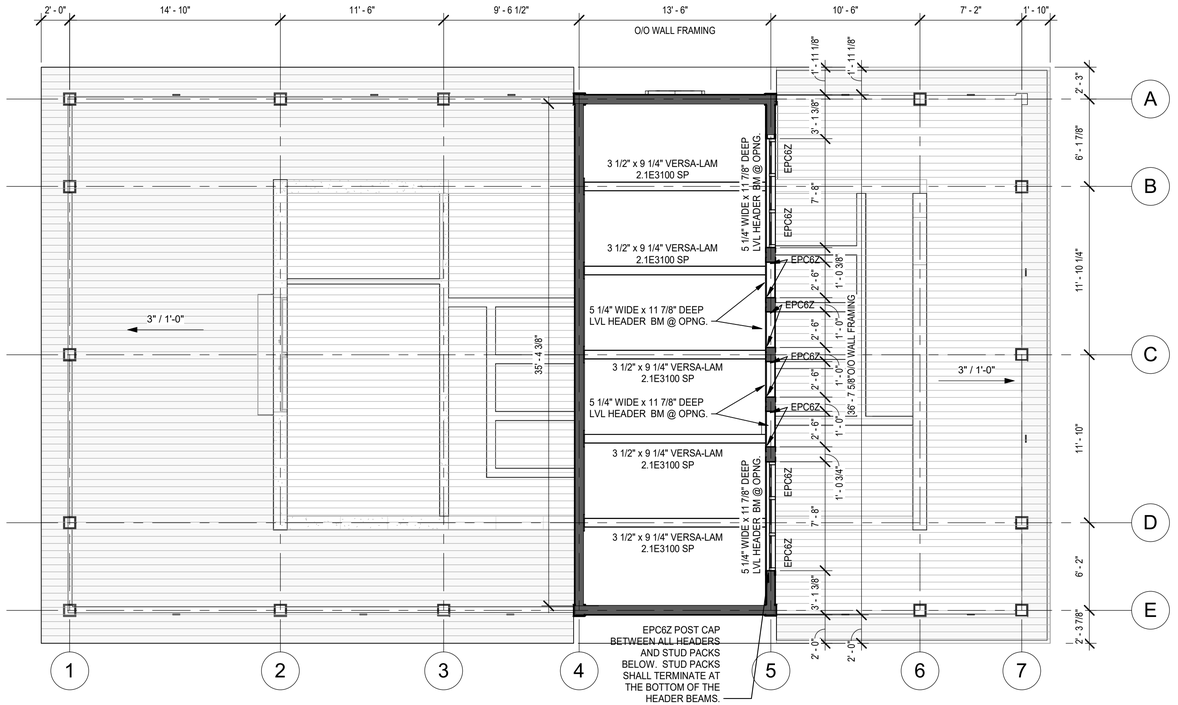
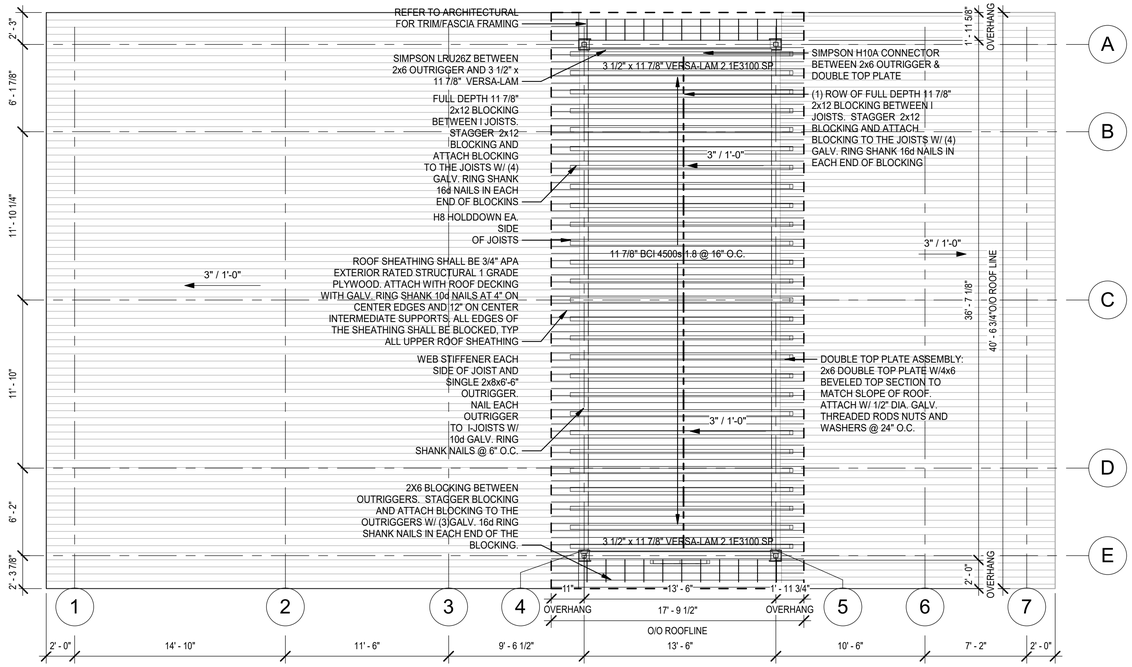


UPPER WALL FRAMING PLAN

SCALE: 3/16" = 1'-0"



UPPER ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"

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ROOF FRAMING NOTES:

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2. ALL WOOD MEMBERS EXPOSED TO WEATHER SHALL BE PRESSURE TREATED.

3. JOISTS BRACING SHOWN AS MINIMUM. REFER TO TRUSS DESIGNER FOR ADDITIONAL BRACING REQUIREMENTS.

4. ALL SIMPSON CONNECTORS AND HANGERS SHALL BE HOT DIPPED GALVANIZED WITH A MINIMUM OF A G90 COATING THICKNESS.

5. REFER TO ARCHITECTURAL DRAWINGS FOR TOP AND BOTTOM ELEVATIONS OF OPENINGS IN WALLS.

6. REFER TO S1.4 AND S1.6 FOR TOP OF WALL ELEVATIONS.

7. REFER TO S1.5 AND S1.6 FOR ROOF UPLIFT DIAGRAM AND PRESSURES.

LOW GABLED ROOF PRESSURES				
ZONE	EFFECTIVE AREA (FT^2)	PRESSURE (PSF) POSITIVE	NEGATIVE	ROOF OVERHANG
1	<=10	33.5	-101.9	N/A
	50	25.8	-62.0	N/A
	100	22.4	-31.8	N/A
	>200	22.4	-31.8	N/A
2e	<=10	33.5	-101.9	-125.3
	50	25.8	-62.0	-98.7
	100	22.4	31.8	-78.6
	>200	22.4	-31.8	-78.6
2n	<=10	33.5	-148.7	-172.1
	50	25.8	-101.9	-137.0
	100	22.4	-81.8	-121.9
	>200	22.4	-61.7	-106.8
2r	<=10	33.5	-148.7	-172.1
	50	25.8	-101.9	-137.0
	100	22.4	-81.8	-121.9
	>200	22.4	-61.7	-106.8
3e	<=10	33.5	-148.7	-200.1
	50	25.8	-101.9	-139.3
	100	22.4	-81.8	-113.2
	>200	22.4	-61.7	-87.0
3r	<=10	33.5	-176.8	-228.2
	50	25.8	-117.9	-149.7
	100	22.4	-92.6	-116.0
	>200	22.4	-92.6	-116.0

LOWER ROOF WALL PRESSURES			
ZONE	EFFECTIVE AREA (FT^2)	PRESSURE (PSF) POSITIVE	NEGATIVE
4	<=10	55.2	-59.9
	50	49.4	-54.1
	200	44.4	-49.1
	>500	41.1	-45.8
5	<=10	55.2	-73.9
	50	49.4	-62.3
	200	44.4	-52.4
	>500	41.1	-45.8

NOTES:

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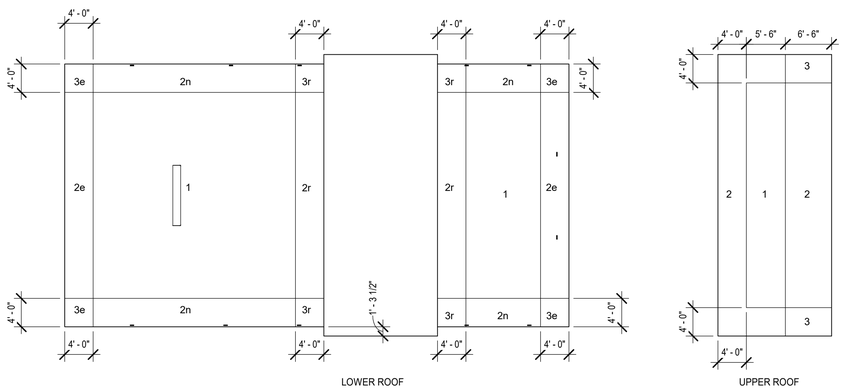
UPLIFT CHARTS

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



ROOF UPLIFT PLAN

SCALE: 3/32" = 1'-0"

2 ADDENDUM 4 | 11/7/2024

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Mobile, AL 36693

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DATE: May 5, 2024

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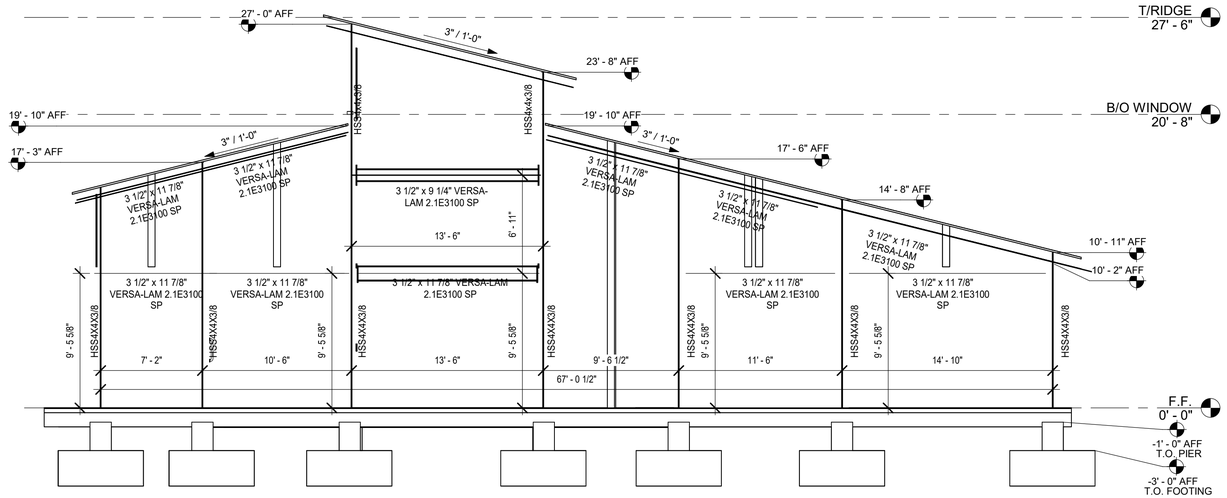
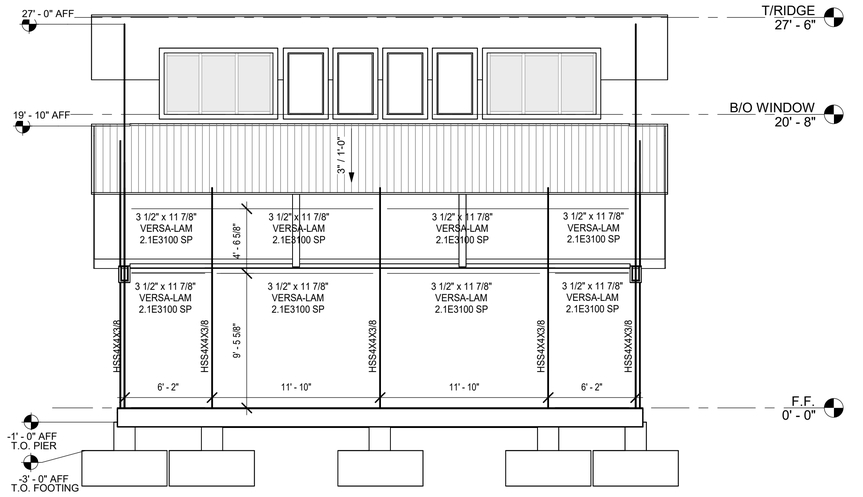
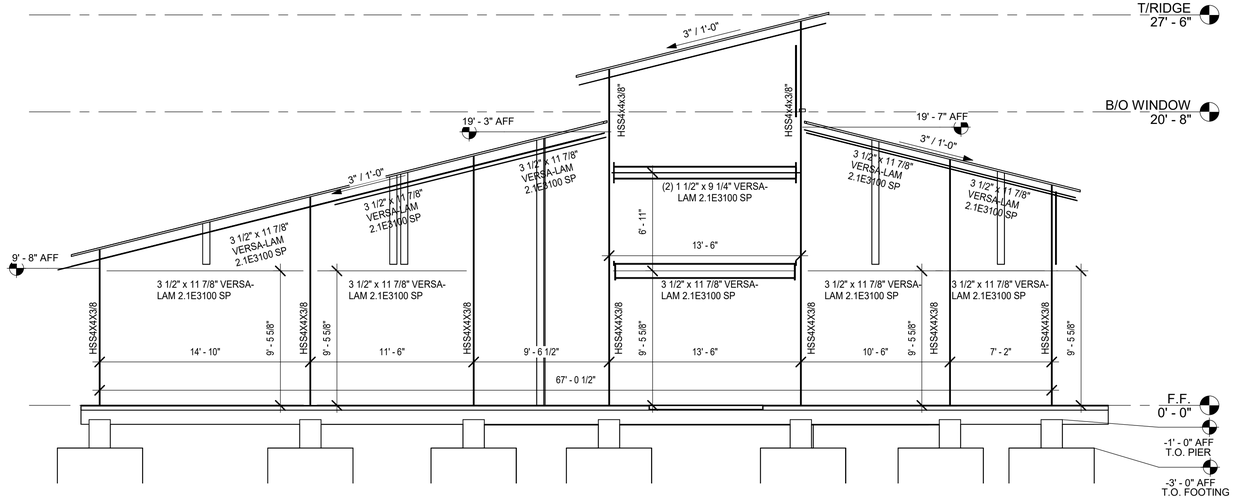


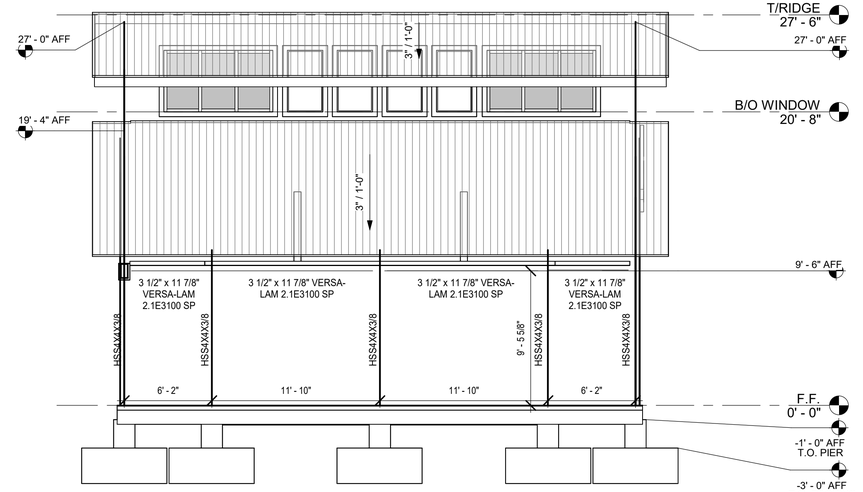
NORTH ELEVATION
SCALE: 3/16" = 1'-0"



EAST ELEVATION
SCALE: 3/16" = 1'-0"



SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



WEST ELEVATION
SCALE: 3/16" = 1'-0"

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SCALE 3/16" = 1'-0"

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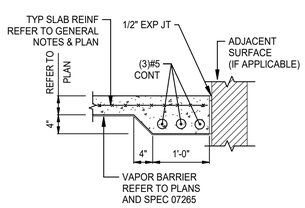
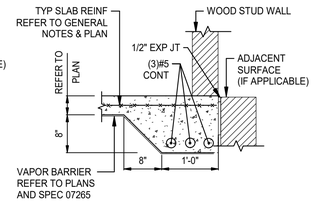
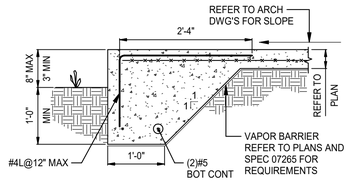


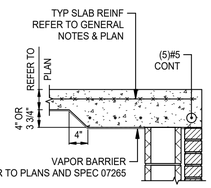
PORCH SLAB



INTERIOR SLAB



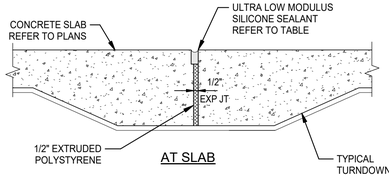
EXTERIOR SLAB



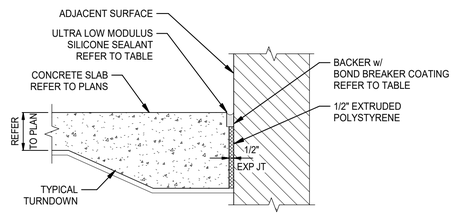
SLAB OVER STEMWALL

1 S3.1 TURNDOWN AT SLAB EDGE (WWF)

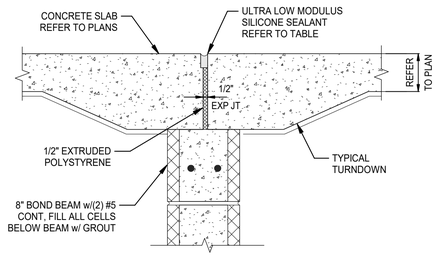
3/4" = 1'-0"



AT SLAB



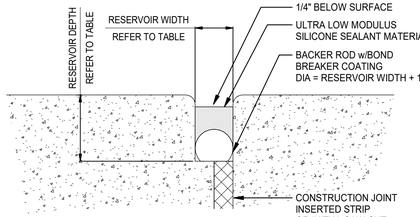
AT ADJACENT SURFACE



AT DOOR OPENING

2 S3.1 TYPICAL SLAB 1/2" EXPANSION JOINT (EJ)

1 1/2" = 1'-0"



JOINT SPACING	SEALANT RESERVOIR SHAPE	
	WIDTH	DEPTH
15'-0" OR LESS	5/8"	3/4"
20'-0"	5/8"	3/4"
30'-0"	5/8"	3/4"
40'-0"	5/8"	1"

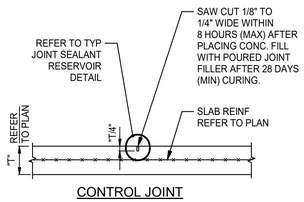
NOTE:

SEALANT MATERIAL SHALL BE A FIELD MOLDED SEALANT OF ONE OF THE FOLLOWING TYPES:

1. HOT APPLIED THERMOPLASTIC ASPHALT - RUBBER COMPOUNDS MEETING ASTM 1190.
2. HOT POURED ELASTOMERIC TYPE SEALANTS - MEETING ASTM D3406.
3. COLD APPLIED, MASTIC SINGLE OR MULTIPLE - COMPONENT SEALANTS MEETING ASTM D1850.

NOTES:

1. PLACE CONTROL JOINTS AT CHANGES IN SLAB WIDTH, AT COLUMN BLOCKOUTS, COLUMN CENTERLINES, AND AT REGULARLY SPACED INTERVALS.
2. MAXIMUM SPACING OF JOINTS SHALL NOT EXCEED 8'-0" FOR 4" SLABS, 12'-0" FOR 6" SLABS, AND 16'-0" FOR 8" SLABS, IN EITHER DIRECTION.
3. DO NOT EXCEED A 2 TO 1 WIDTH TO LENGTH RATIO.
4. USE CONSTRUCTION JOINTS WHEN THERE IS A BREAK IN SLAB POURING OPERATIONS EXCEEDING 30 MINUTES.



CONTROL JOINT

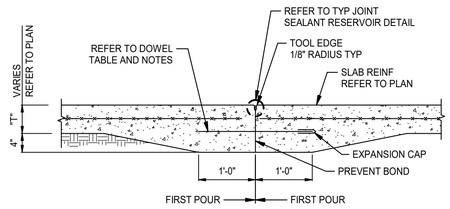
3 S3.1 TYPICAL SLAB ON GRADE CONTROL JOINT (CJ)

3/4" = 1'-0"

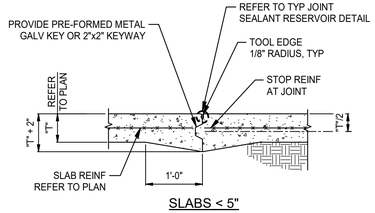
DOWEL TABLE			
"T" SLAB DEPTH (INCHES)	DIAMETER (INCHES)	TOTAL LENGTH (INCHES)	CENTER TO CENTER SPACING (IN)
5	5/8	12	12
6	3/4	14	12
7	7/8	14	12
8	1	14	12
9	1 1/8	16	12
10	1 1/4	18	12
11	1 3/8	18	12
12	1 1/2	20	12

DOWEL NOTES:

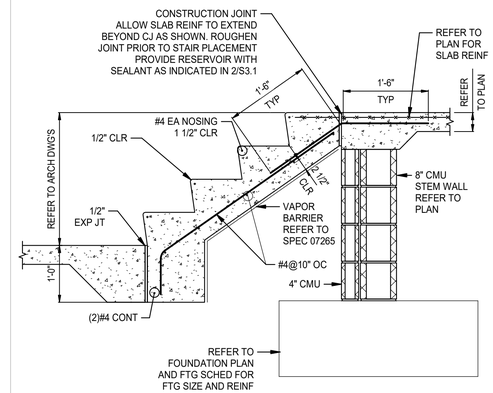
1. DOWELS SHALL BE PLAIN ROUND BARS EQUIVALENT TO ASTM A615 WITH A CORROSION RESISTANT COATING.
2. ONE-HALF (1/2) OF EACH BAR SHALL BE COVERED WITH ONE COAT TAR. PLACE EXPANSION CAP ON COATED SIDE.
3. DOWELS SHALL BE PLACED PARALLEL TO THE CENTERLINE AND SURFACE OF THE SLAB. TOLERANCE OF THE PLACEMENT SHALL BE ±1/4".



SLABS ≥ 5"

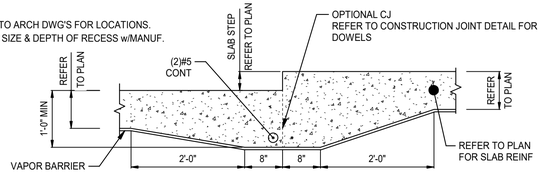


SLABS < 5"



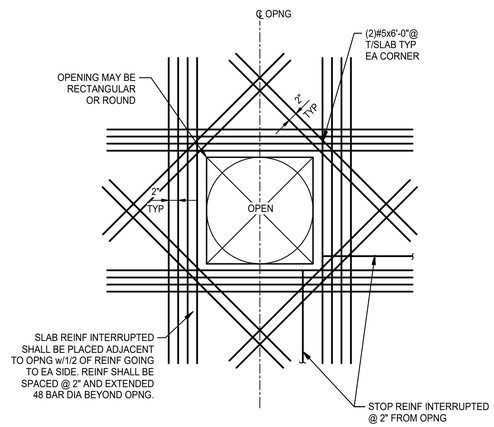
4 S3.1 TYPICAL SLAB ON GRADE STEP OR RECESS

3/4" = 1'-0"



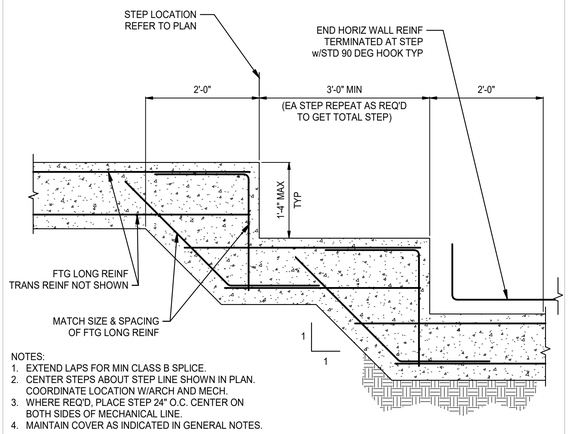
5 S3.1 TYPICAL SLAB ON GRADE CONSTRUCTION JOINT

3/4" = 1'-0"



7 S3.1 ADDITIONAL REINF AT SLAB OPENING

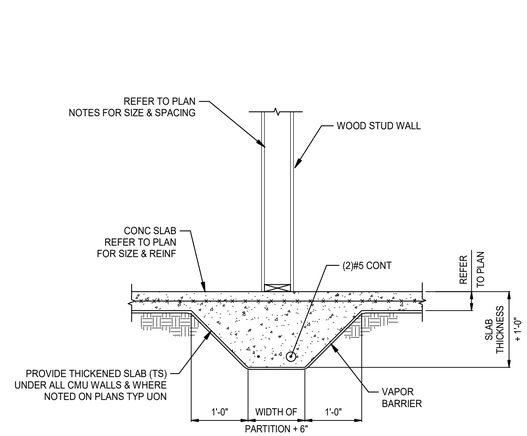
3/4" = 1'-0"



NOTES:
1. EXTEND LAPS FOR MIN CLASS B SPLICE.
2. CENTER STEPS ABOUT STEP LINE SHOWN IN PLAN. COORDINATE LOCATION W/ARCH AND MECH.
3. WHERE REQ'D, PLACE STEP 24" O.C. CENTER ON BOTH SIDES OF MECHANICAL LINE.
4. MAINTAIN COVER AS INDICATED IN GENERAL NOTES.

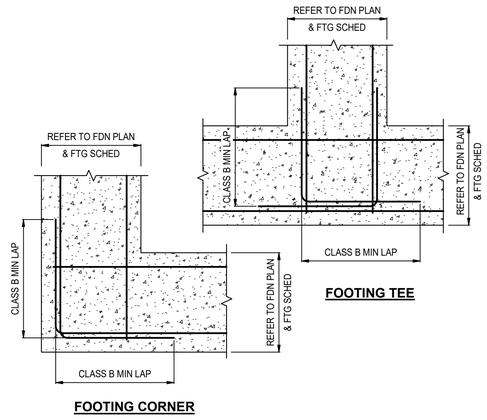
8 S3.1 TYPICAL FOOTING STEPS

3/4" = 1'-0"



9 S3.1 TYPICAL THICKENED SLAB (TS) UNDER PARTITION WALL

3/4" = 1'-0"



10 S3.1 REINFORCING AT FOOTING TEES AND CORNERS

3/4" = 1'-0"

2 ADDENDUM 4 | 11/7/2024

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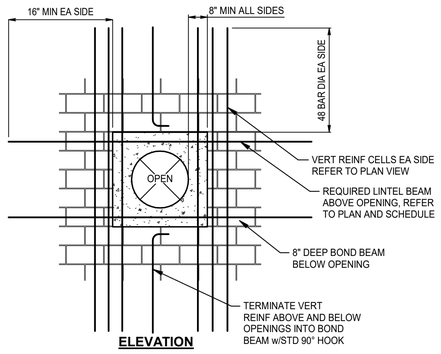
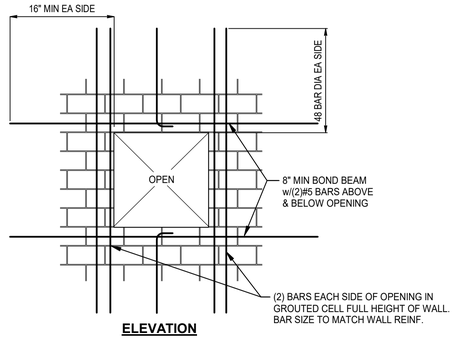
S3.1



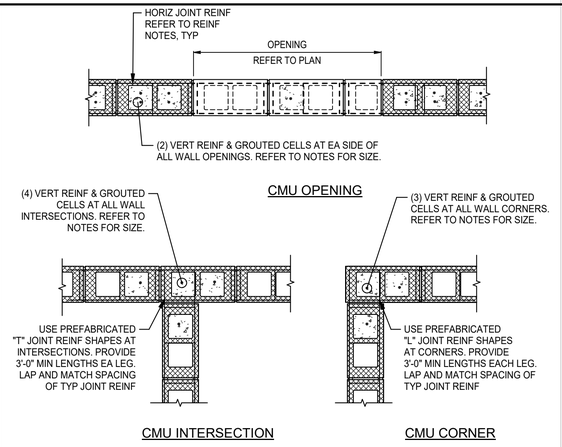
1 S3.2 CIRCULAR OPENING IN MASONRY WALL

3/4" = 1'-0"



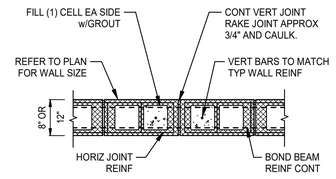
2 S3.2 SQUARE OPENING IN MASONRY WALL

3/4" = 1'-0"



3 S3.2 TYPICAL CMU DETAILS

3/4" = 1'-0"

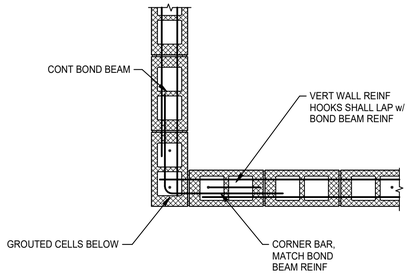


NOTES:

1. CMU CONTROL JOINTS ARE NOT TO EXCEED 25'-0", TYPICAL UNLESS OTHERWISE NOTED.
2. THE JOINTS SHALL BE LOCATED A MINIMUM OF 24" FROM DOOR OR WINDOW OPENINGS TO MISS LINTELS.
3. THE TYPICAL HORIZONTAL JOINT REINFORCING SHALL BE TERMINATED 2" FROM EACH SIDE OF JOINT. ALL BOND BEAM REINFORCING SHALL CONTINUE THRU THE JOINT.
4. WALL SEGMENTS THAT EXCEED 25' AND DO NOT CONTAIN CONTROL JOINTS MUST BE REINFORCED WITH TYPICAL HORIZONTAL BOND BEAMS SPACED AT 5'-0" MAXIMUM VERTICAL.

4 S3.2 TYPICAL CMU CONTROL JOINT DETAIL

3/4" = 1'-0"



NOTES

1. ALL LAPS SHALL BE 48 BAR DIA MINIMUM.
2. SIMILAR FOR BOND BEAMS WITH (1) HORIZ BAR

5 S3.2 BOND BEAM CORNER REINFORCING DETAIL

3/4" = 1'-0"

8" & 12" EXTERIOR CMU JAMB SCHEDULE	
OPENING SIZE "W"	JAMB WIDTH & REINF
3'-4"	8" w/(2) #5 EA CELL
≤ 7'-4"	16" w/(2) #5 EA CELL
≤ 12'-0"	24" w/(2) #5 EA CELL

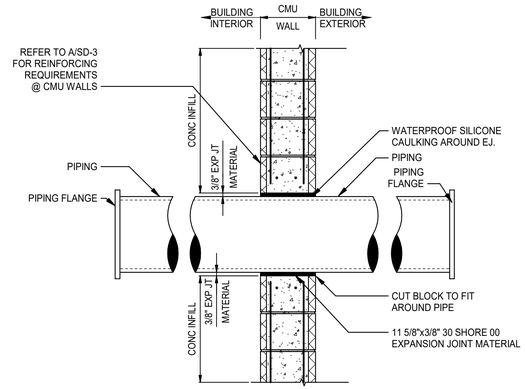
8" INTERIOR CMU JAMB SCHEDULE	
OPENING SIZE "W"	JAMB WIDTH & REINF
3'-4"	8" w/(1) #5 EA CELL
≤ 7'-4"	16" w/(1) #5 EA CELL
≤ 11'-8"	16" w/(2) #5 EA CELL

NOTE:

1. REFER TO DETAIL E/SD-4 FOR REINF PLACEMENT IN DOUBLE REINFORCED CELLS ((2) BARS EA CELL).
2. REFER TO CMU WALL NOTES FOR TYPICAL REINFORCING
3. APPLIES TO ALL OPENINGS INCLUDING BUT NOT LIMITED TO DOORS, WINDOWS, LOUVERS, DUCT PENETRATIONS, ETC.

6 S3.2 TYPICAL CMU JAMB SCHEDULE

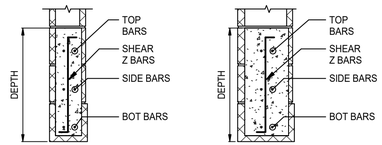
3/4" = 1'-0"



7 S3.2 TYPICAL PIPING PENETRATION DETAIL @ EXTERIOR OF CMU

3/4" = 1'-0"

CMU LINTEL DESIGNATION									
WALL TYPE	WALL SIZE	LINTEL SPAN							
		≤ 3'-4"		LESS THAN 7'-4"		LESS THAN 11'-8"		LESS THAN 14'-8"	LESS THAN 18'-0"
INTERIOR	8" CMU	1		2		3		4	4
EXTERIOR	12" CMU	5		6		7		8	8



LINTEL BEAM SCHEDULE					
DESIGNATION	SIZE (WIDTH x DEPTH)	REINFORCING			
		TOP BARS	BOT BARS	SIDE BARS	SHEAR
1	8"x8" CMU	-	(2)#5	-	-
2	8"x16" CMU	(2)#5	(2)#5	-	-
3	8"x24" CMU	(2)#5	(2)#5	(2)#5	-
4	8"x32" CMU	(2)#5	(2)#5	(4)#5	-
5	12"x8" CMU	-	(2)#6	-	-
6	12"x16" CMU	(2)#6	(2)#6	-	-
7	12"x24" CMU	(2)#6	(2)#6	(2)#6	-
8	12"x32" CMU	(2)#6	(2)#6	(2)#6	-

LINTEL NOTES:

1. PROVIDE 16" MINIMUM BEARING FOR CMU AND CONCRETE LINTELS.
2. SHORE LINTELS UNTIL WALL ABOVE IS COMPLETED AND ALL CELLS ARE FILLED.
3. EXTEND TOP & BOT REINF 48 BAR DIA MIN. BEYOND JAMB @ EACH END OR TERMINATE W/STD HOOK.
4. BOTTOM BLOCK SHALL BE SOLID FACE LINTEL BLOCK WHEN FINISH BLOCK IS EXPOSED.

8 S3.2 TYPICAL LINTEL SCHEDULE

3/4" = 1'-0"

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ARCHITECTURAL DRAWINGS FOR:
CITY OF MOBILE- MIMS PARK
Mobile, AL 36693

SCALE 3/4" = 1'-0"

ALABAMA LICENSED No. 28305 PROFESSIONAL 04-24-2024 ENGINEER CHAD EDWARD LYNER

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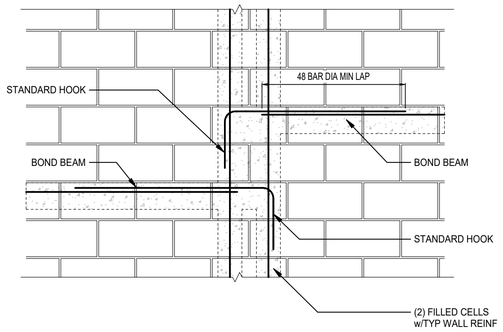
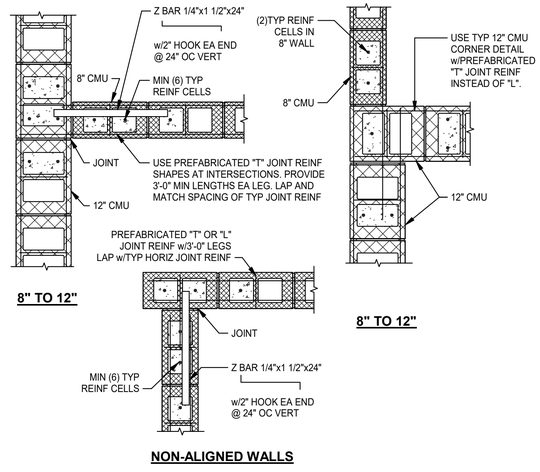
S3.2

1. REFER TO SHEET S0.1 AND S0.2 FOR ADDITIONAL NOTES.
2. DOWEL ALL CMU REINFORCEMENT IN FOOTINGS AND EXTEND INTO UPPERMOST BOND BEAM WITH 90 DEGREE HOOKS.
3. FILL ALL CELLS CONTAINING REINFORCEMENT AND ADDITIONAL CELLS AS INDICATED WITH 3,000 PSI PEA GRAVEL CONCRETE.
4. PROVIDE FOUR (4) FILLED CELLS OF TYPICAL WALL REINFORCING AT INTERSECTIONS, (3) FILLED CELLS OF TYPICAL WALL REINFORCING AT CORNERS, AND TWO (2) FILLED CELLS OF TYPICAL WALL REINFORCING AT EACH SIDE OF OPENINGS AND ENDS OF WALLS. PROVIDE (5) FILLED CELLS OF TYPICAL WALL REINFORCING AT CORNERS OF STAIRWELL AND ELEVATOR WALLS, UNLESS OTHERWISE NOTED.
5. FOR REINFORCEMENT ADJACENT TO INTERIOR CMU WALL OPENINGS, COORDINATE WITH JAMB SCHEDULE SHOWN ON THIS SHEET.
6. ALL CONCRETE MASONRY UNITS SHALL BE PLACED IN RUNNING BOND.
7. TYPICAL 8" CMU WALL REINFORCEMENT:
   A. REINFORCE WITH VERTICAL BARS: #5 @ 24" ON CENTER WITH ADDITIONAL REINFORCING AS INDICATED IN NOTE 4.
   B. PROVIDE 16" CMU BOND BEAM WITH (2)#5 CONTINUOUS REINFORCING BARS AT TOP OF ALL WALLS AND AT ROOF.
   C. PLACE THE REINFORCING IN THE CENTER OF THE WALL, UNLESS OTHERWISE NOTED.
8. TYPICAL 12" CMU WALL REINFORCEMENT:
   A. DOUBLE REINFORCE WITH VERTICAL BARS #5@24" ON CENTER WITH ADDITIONAL REINFORCING AS INDICATED IN NOTE 4
   B. PROVIDE 16" CMU BOND BEAM WITH (2)#5 CONTINUOUS AT TOP OF ALL WALLS
   C. PLACE THE REINFORCEMENT SO CENTERLINE OF REINFORCING IS 1 1/2" OFF INTERIOR FACE OF CMU CAVITIES.
9. HORIZONTAL JOINT REINFORCING IN ALL BLOCK WALLS SHALL BE STANDARD (9GA SIDE AND CROSS RODS) LADDER TYPE WALL REINFORCING @ 16". ALL WALLS PERPENDICULAR TO EXTERIOR WALLS SHALL HAVE ADDITIONAL PREFABRICATED "T" OR "L" JOINT REINFORCING AS INDICATE IN TYPICAL CMU DETAILS.
10. GROUT STOP SHALL BE A FIBERGLASS MESH CONFORMING TO ASTM STANDARD D1668-73, TYPE 207.
11. SPLICE ALL BARS 48 BAR DIAMETER, UNLESS OTHERWISE NOTED.
12. USE (1) TOP & BOTTOM CORNER BAR (MATCH TYPICAL REINFORCING) WITH 48 BAR DIAMETER LONG LEGS EACH WAY IN ALL BOND BEAM CORNERS & INTERSECTIONS. PLACE AT EXTERIOR FACE, UNLESS OTHERWISE NOTED.
13. THE LOWEST VERTICAL BAR IN ALL BLOCK WALLS SHALL HOOK 90 DEGREES INTO THE FOOTING OR SLAB WITH A MINIMUM 8" LEG UNLESS THE VERTICAL REINFORCING PASSES THRU THE SLAB TO A CONTINUOUS WALL BELOW.
14. THE HIGHEST VERTICAL BAR IN ALL BLOCK WALLS SHALL HOOK 90 DEGREES INTO THE UPPERMOST BOND BEAM WITH A MINIMUM 8" LEG UNLESS THE VERTICAL REINFORCING PASSES THRU THE SLAB TO A CONTINUOUS WALL ABOVE. IF THE WALL IS CAPPED WITH A SLAB, EXTEND 90 DEGREE HOOKS INTO THE SLAB AND LAP WITH THE VERTICAL WALL REINFORCING.
15. REFER TO DETAILS B AND C FOR ADDITIONAL REINFORCING AT WALL OPENINGS. OPENINGS LESS THAN 8"x8" OR 8" DIAMETER SHALL BE EXEMPT FROM THIS REQUIREMENT PROVIDED THAT ANY PORTION OF OPENING IS NOT LOCATED WITHIN A REINFORCED CELL.
16. CONDUIT PLACED IN REINFORCED CELLS SHALL BE LIMITED TO (1) CONDUIT PER REINFORCED OR FILLED CELL. MAXIMUM CONDUIT SIZE SHALL NOT EXCEED 1" OUTSIDE DIAMETER.

1 S3.3 TYPICAL CMU WALL REINFORCING NOTES
3/4" = 1'-0"

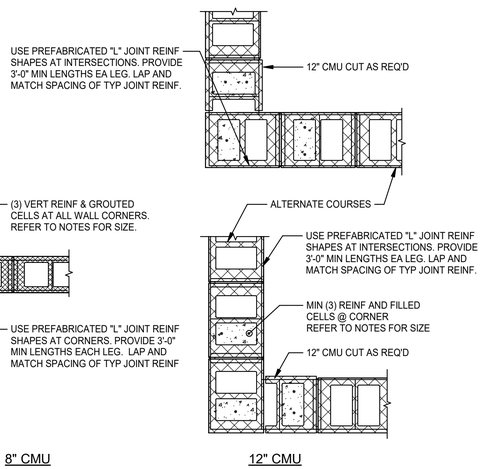


2 S3.3 CHANGES IN BOND BEAM ELEVATION
3/4" = 1'-0"



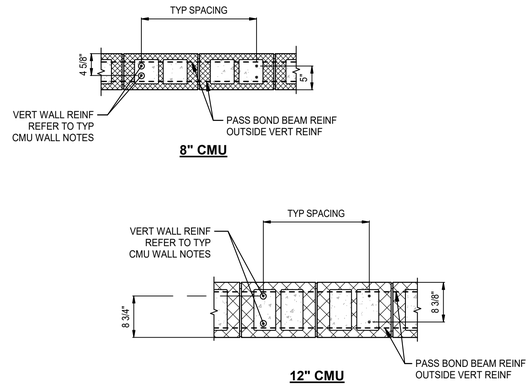
NON-ALIGNED WALLS

3 S3.3 NON-TOOTHED CMU WALL INTERSECTIONS
3/4" = 1'-0"



8" CMU 12" CMU

4 S3.3 TYPICAL CMU WALL CORNERS
3/4" = 1'-0"



NOTE:
DOUBLE REINF WALLS ARE INDICATED BY
CALLING FOR (2) BARS @ TYP SPACING.

5 S3.3 DOUBLE REINF CMU WALL DETAIL
3/4" = 1'-0"

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CITY OF MOBILE- MIMS PARK
Mobile, AL 36693

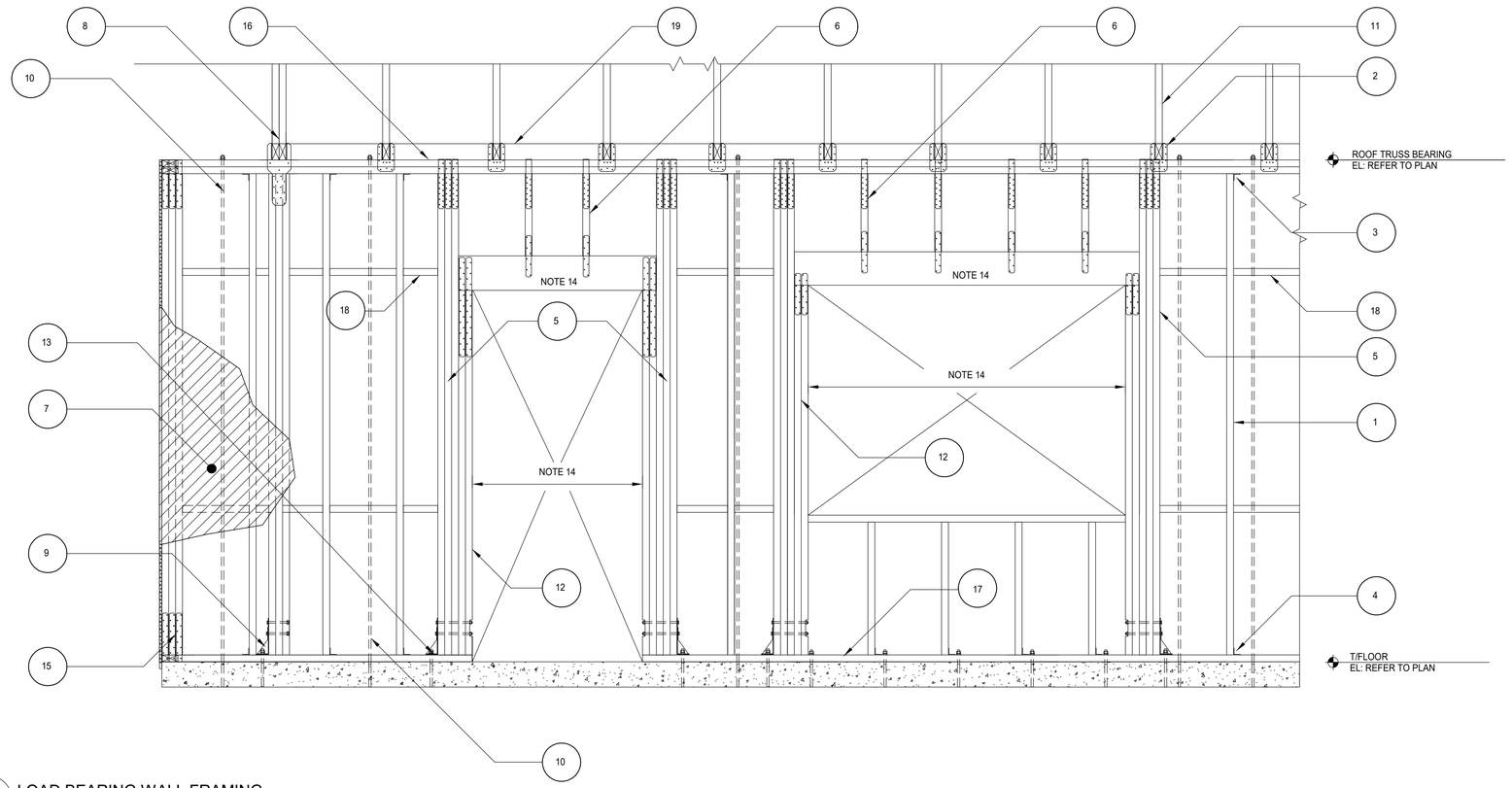
SCALE 3/4" = 1'-0"

ALABAMA LICENSED
No. 28305 PROFESSIONAL
04-24-2024
CHAD EDWARD LYNER ENGINEER

ISSUED FOR PERMIT

DATE: May 5, 2024

S3.3



1 S3.4 LOAD BEARING WALL FRAMING
3/4" = 1'-0"

TYPICAL EXTERIOR WALL NOTES

1. 2x6 NO. 1 SOUTHERN PINE STUDS AT 16" OC.
2. JOISTS TO WALL CONNECTION SHALL BE AS INDICATED ON S1.5 AND S1.5.
3. 2x6 WALL STUD TO TOP PLATE W/ (4) 16d GALV. RING SHANK NAILS.
4. 2x6 WALL STUD TO BOTTOM PLATE W/ (4) 16d GALV. RING SHANK NAILS.
5. (4)2x6 JAMB STUDS EACH SIDE OF OPENINGS, UON. CONNECT STUD W/ SPH6.
6. JACK STUDS AT 16" OC W/ (4) 16d GALV RING SHANK NAILS TO TOP PLATE AND SIMPSON MSTA24 STRAP TO HEADER.
7. 3/4" APA RATED STRUCTURAL 1 EXTERIOR GRADE SHEATHING EACH SIDE (BLOCK ALL EDGES) W/10d NAILS AT 4" OC EDGES AND 12" OC INTERMEDIATE SUPPORTS, ONE SIDE TYPICAL.
8. LVL GIRDER ROOF JOISTS WITH A H10A-2 HOLDDOWN AT EACH LVL GIRDER ROOF JOISTS.
9. (4)2x6 STUDS UNDER ALL LVL ROOF JOISTS MEMBERS WITH SIMPSON HD7B HOLDOWN (7/8"Ø GALV THREADED ROD THRU WALL PLATE BELOW W/ NUT AND WASHER).
10. 3/4"Ø GALV. THREADED ROD FULL HEIGHT OF WALL W/ GALV. 1/8"x2"x2" PLATE WASHERS AND NUTS EA. END. RODS SHALL EXTEND FROM THE FOUNDATION TO THE TOP PLATE @ 4'-0" O.C MAX.
11. ROOF JOISTS @ 16" OC MAX.
12. (2)2x6 HEADER STUDS EACH SIDE OF OPENINGS W/(2)SIMPSON ST22 STRAPS AT HEADER AND (2)SPH6 TIES OR HOLDOWNS AT BOTTOM PLATE.
13. SIMPSON HD3B HOLDOWN (5/8"Ø GALV. THREADED ROD THRU WALL PLATE BELOW W/ NUT AND WASHER).
14. REFER TO S1.4 AND S1.6 FOR HEADER MEMBER SIZES.
15. (3)2x6 STUDS AT ENDS OF ALL EXTERIOR WALLS CONNECT TO BOTTOM PLATE W/ ST24 AT EACH STUD.
16. TOP PLATE ASSEMBLY: DOUBLE 2x6 AND BEVELED 4x6 TOP PLATE TO MATCH ROOF SLOPE. TOP PLATE ASSEMBLY SHALL BE CONNECTED WITH GALV. 1/2" DIA THREADED ROD WITH GALV. NUTS AND WASHERS @ 24" O.C.
17. 2x6 PRESSURE TREATED BOTTOM PLATE.
18. 2x FULL-DEPTH BLOCKING AT ALL SHEATHING EDGES.
19. 2x FULL-DEPTH BLOCKING @ ROOF JOISTS
20. ALL STRAPS AND METAL COMPONENTS SHALL BE GALVANIZED TO A G90 COATING THICKNESS UNLESS NOTED OTHERWISE.

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ARCHITECTURAL DRAWINGS FOR:
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Mobile, AL 36693

SCALE 3/4" = 1'-0"

ALABAMA LICENSED No. 28305 PROFESSIONAL 04-24-2024 ENGINEER CHAD EDWARD LYNER

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S3.4

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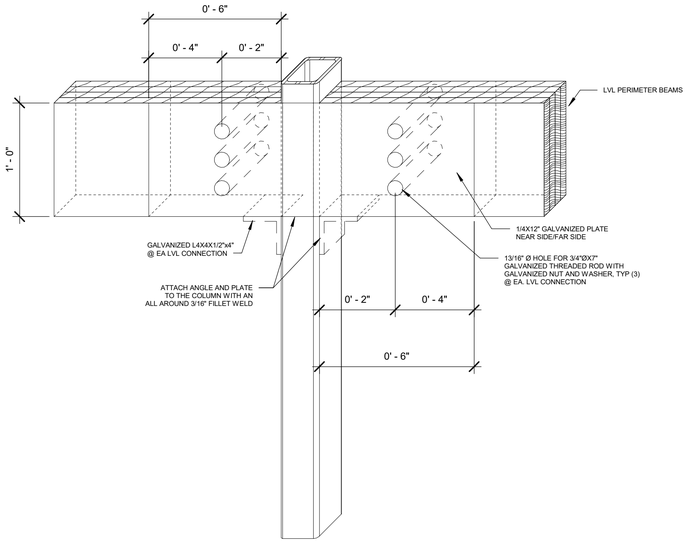
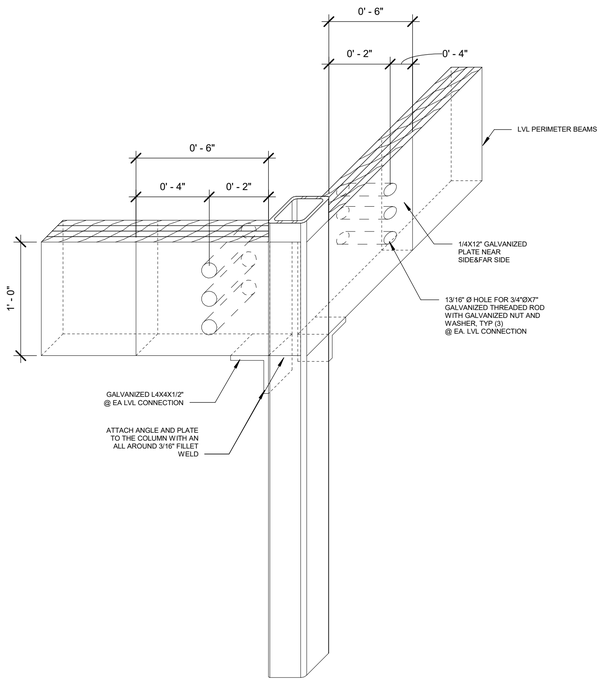
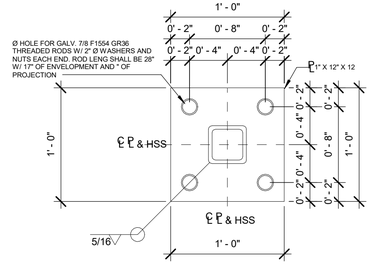


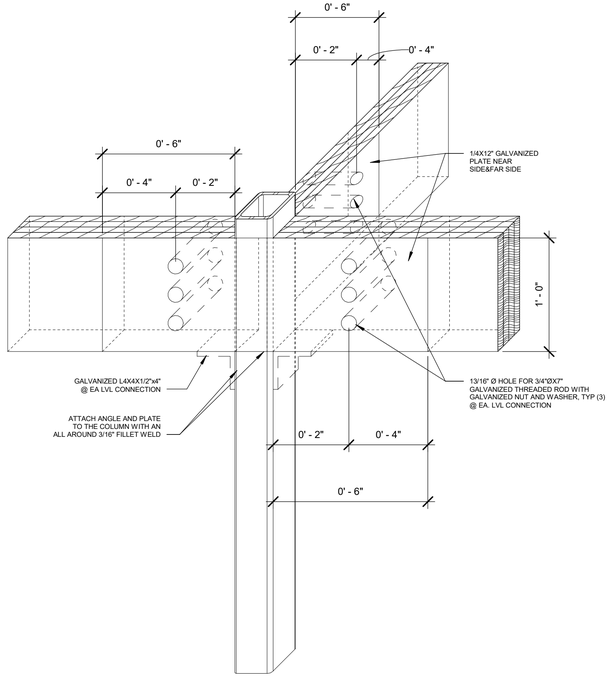
1 S3.5 — 2 BEAM CONNECTION
1 1/2" = 1'-0"



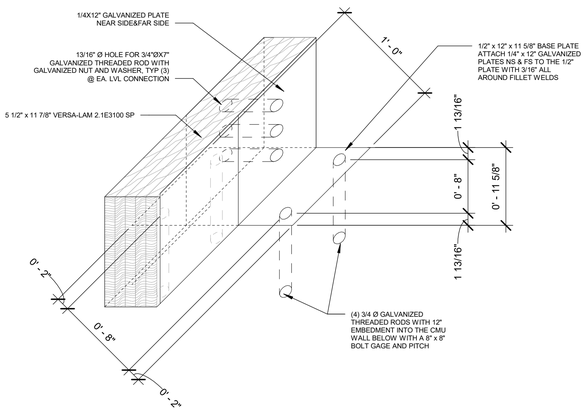
2 S3.5 — 2 BEAM 90 DEGREE CONNECTION
1 1/2" = 1'-0"



STEEL BASEPLATE PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



3 S3.5 — 3 BEAM T CONNECTION
1 1/2" = 1'-0"



4 S3.5 — BEAM TO CMU WALL CONNECTION
1 1/2" = 1'-0"

2 ADDENDUM 4 | 11/7/2024

CITY OF MOBILE- MIMS PARK
Mobile, AL 36693

SCALE 1 1/2" = 1'-0"

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DATE: May 5, 2024

ALABAMA LICENSED No. 28305 PROFESSIONAL 04-24-2024 ENGINEER CHAD EDWARD LYNER

S3.5

CONCRETE EXPANSION JOINT NOTE:

EXPANSION JOINTS SHALL OCCUR WHERE SHOWN ON THE PLAN AS "EJ" OR WHERE CONCRETE IS TO BE POURED AGAINST ANY EXISTING SURFACE OR ABUTMENT. THIS COULD INCLUDE (BUT IS NOT LIMITED TO) SEAT WALLS, CONCRETE CURBS OR BANDS, AND BUILDING WALLS. EXPANSION JOINTS SHALL NEVER BE FURTHER THAN 28'-0" APART.

ADA REQUIREMENTS FOR ALL PAVED PEDESTRIAN SURFACES AND WALKWAYS:

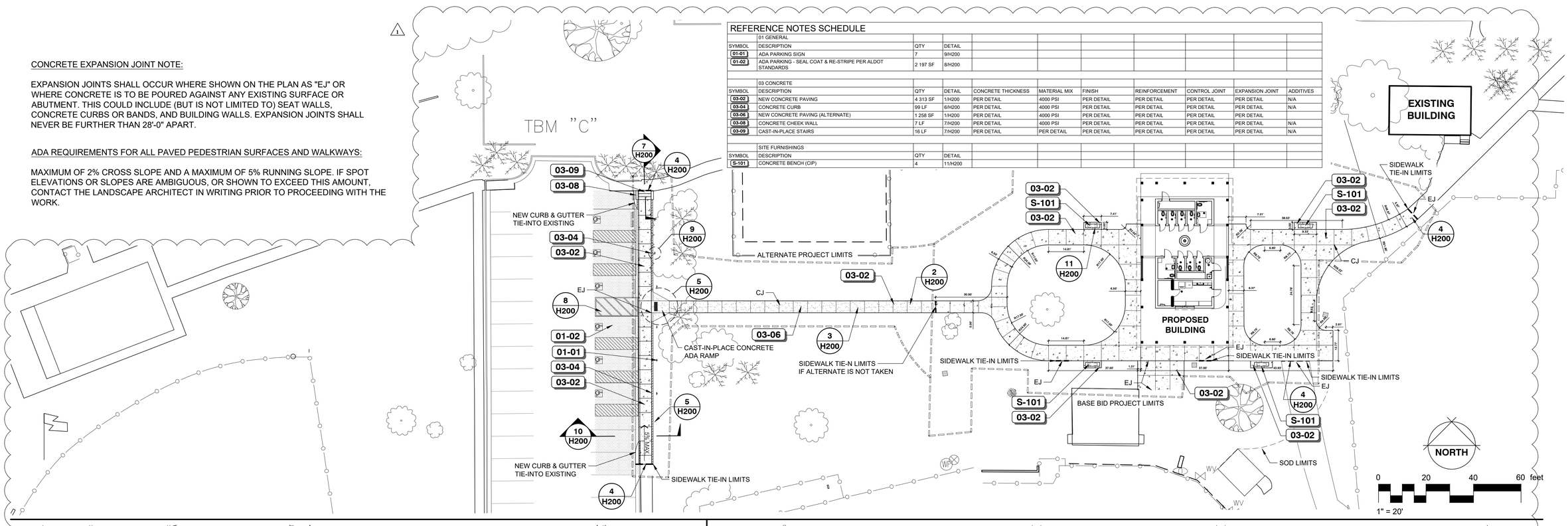
MAXIMUM OF 2% CROSS SLOPE AND A MAXIMUM OF 5% RUNNING SLOPE. IF SPOT ELEVATIONS OR SLOPES ARE AMBIGUOUS, OR SHOWN TO EXCEED THIS AMOUNT, CONTACT THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH THE WORK.

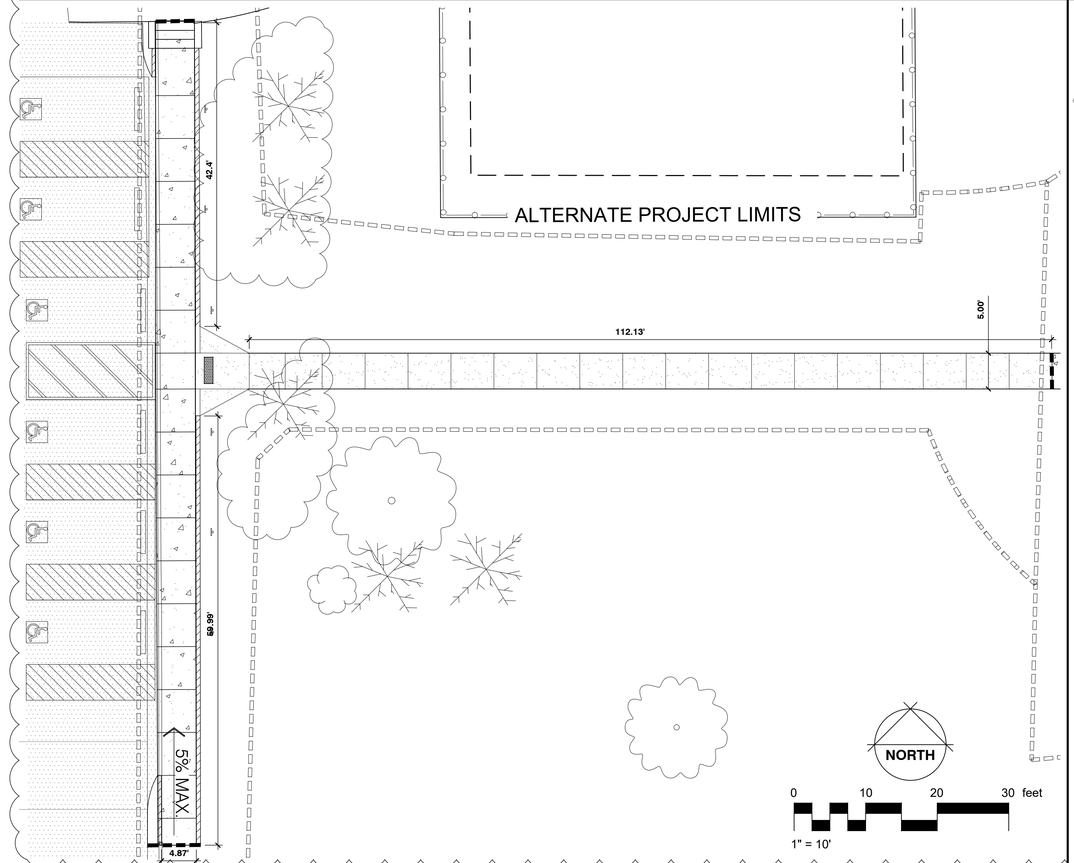
REFERENCE NOTES SCHEDULE

	01 GENERAL									
SYMBOL	DESCRIPTION	QTY	DETAIL							
01-01	ADA PARKING SIGN	7	9/H200							
01-02	ADA PARKING - SEAL COAT & RE-STRIPE PER ALDOT STANDARDS	2 197 SF	8/H200							

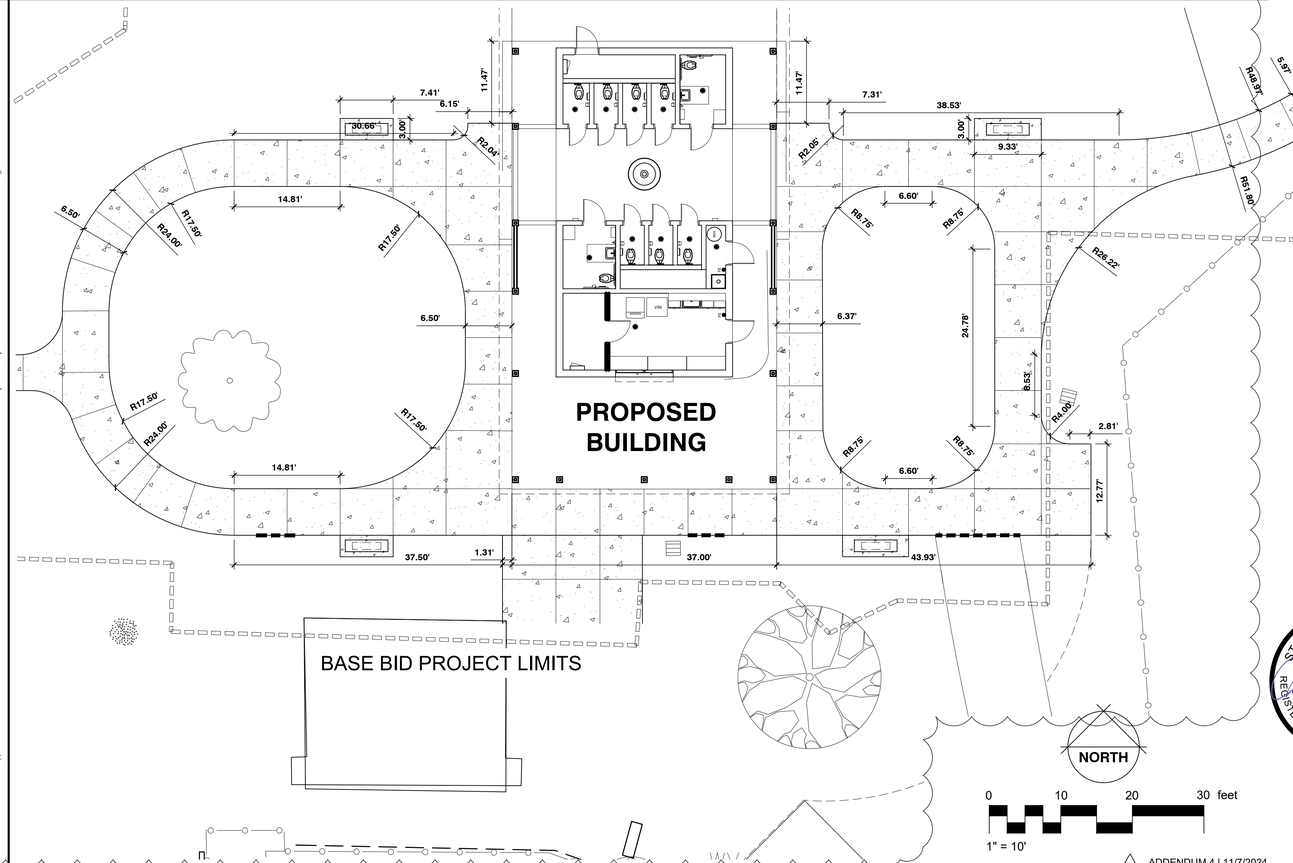
	03 CONCRETE									
SYMBOL	DESCRIPTION	QTY	DETAIL	CONCRETE THICKNESS	MATERIAL MIX	FINISH	REINFORCEMENT	CONTROL JOINT	EXPANSION JOINT	ADDITIVES
03-02	NEW CONCRETE PAVING	4 313 SF	1/H200	PER DETAIL	4000 PSI	PER DETAIL	PER DETAIL	PER DETAIL	PER DETAIL	N/A
03-04	CONCRETE CURB	99 LF	6/H200	PER DETAIL	4000 PSI	PER DETAIL	PER DETAIL	PER DETAIL	PER DETAIL	N/A
03-06	NEW CONCRETE PAVING (ALTERNATE)	1 258 SF	1/H200	PER DETAIL	4000 PSI	PER DETAIL	PER DETAIL	PER DETAIL	PER DETAIL	
03-08	CONCRETE CHEEK WALL	7 LF	7/H200	PER DETAIL	4000 PSI	PER DETAIL	PER DETAIL	PER DETAIL	PER DETAIL	N/A
03-09	CAST-IN-PLACE STAIRS	16 LF	7/H200	PER DETAIL	PER DETAIL	PER DETAIL	PER DETAIL	PER DETAIL	PER DETAIL	N/A

	SITE FURNISHINGS		
SYMBOL	DESCRIPTION	QTY	DETAIL
S-101	CONCRETE BENCH (CIP)	4	11/H200





01 HARDSCAPE ENLARGEMENT & LAYOUT (ALTERNATE)
1" = 10' - 0"



02 HARDSCAPE ENLARGEMENT & LAYOUT (BASE BID)
1" = 10' - 0"

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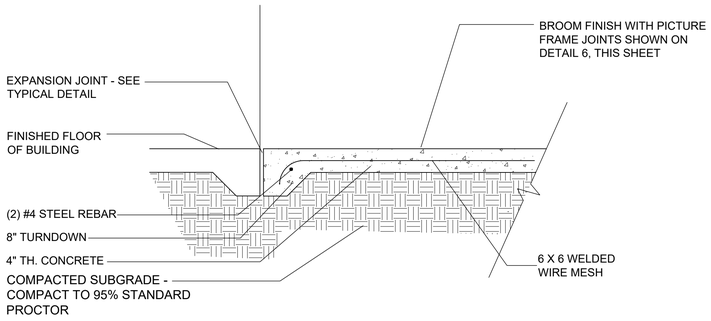
HARDSCAPE PLAN FOR:
CITY OF MOBILE - MIMS PARK CONCESSIONS

SCALE: AS SHOWN Mobile, AL

STATE OF ALABAMA
CHRISTIAN HART PREUS
NUMBER 800
REGISTERED LANDSCAPE ARCHITECT

DATE: MAY 2024

H100



1 CONCRETE WALK SECTION

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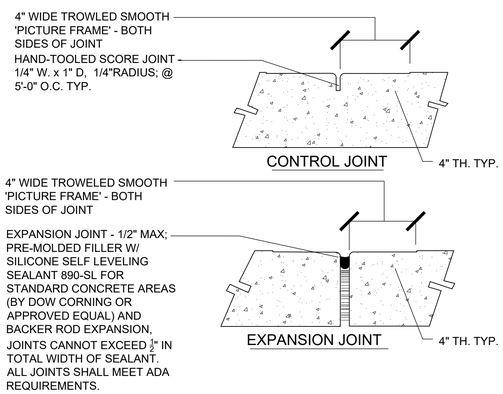
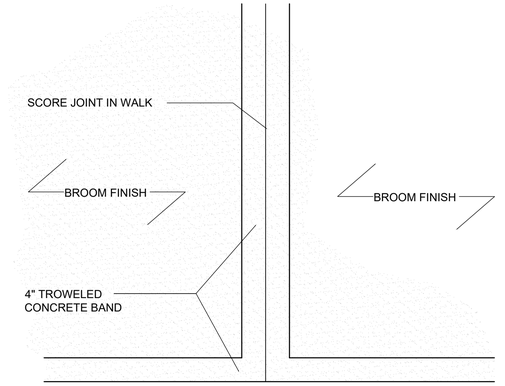


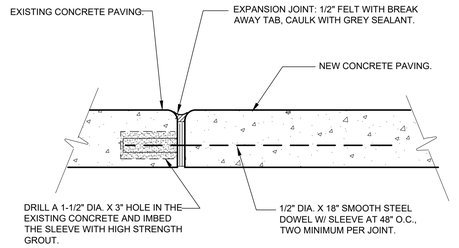
2 TYPICAL SIDEWALK CONCRETE JOINTS

NOT TO SCALE P-CP-CP-02



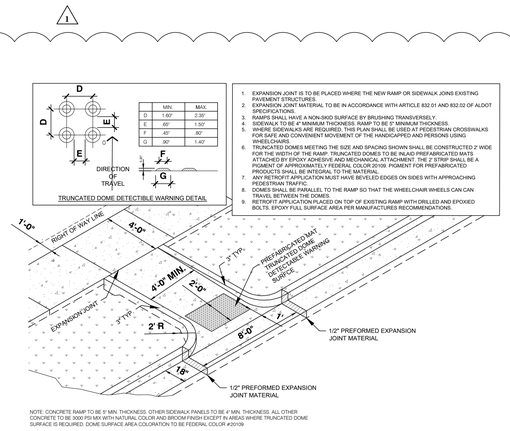
3 TROWELED FRAME & SCORE JOINTS

NOT TO SCALE P-CP-CP-05



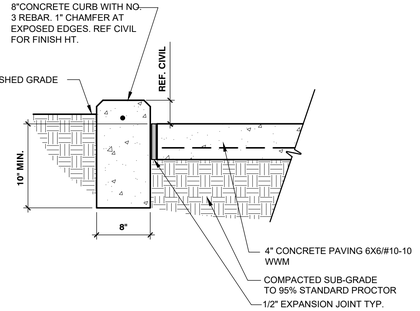
4 CONCRETE JOINT AT EXISTING PAVING

NOT TO SCALE FX-SI-FX-PAV-06



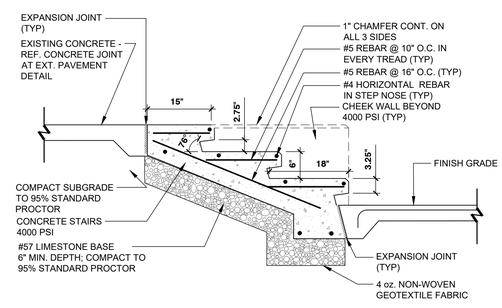
5 HANDICAP / CURB RAMP - GRASS STRIP (TYP.)

NOT TO SCALE P-CP-ADA-06



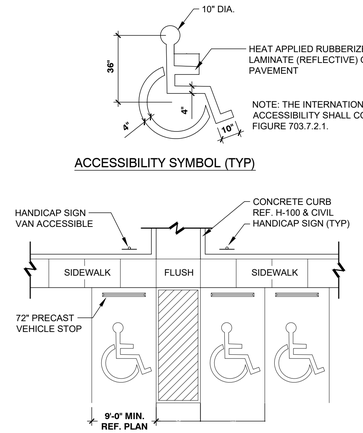
6 CONCRETE CURB AT SIDEWALK

NOT TO SCALE P-CP-CC-01



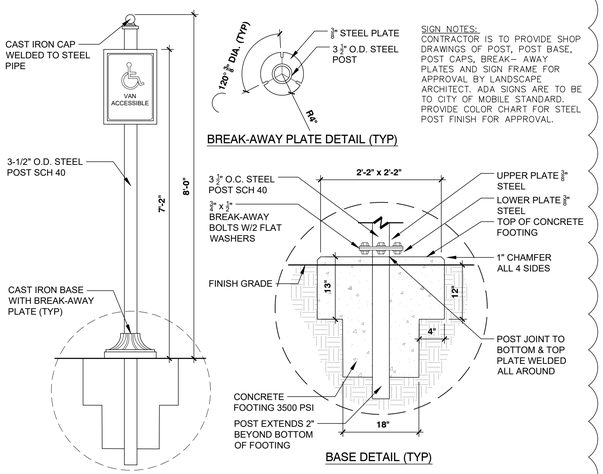
7 CAST-IN-PLACE STEPS WITH CHEEK WALL

NOT TO SCALE P-CP-STA-17



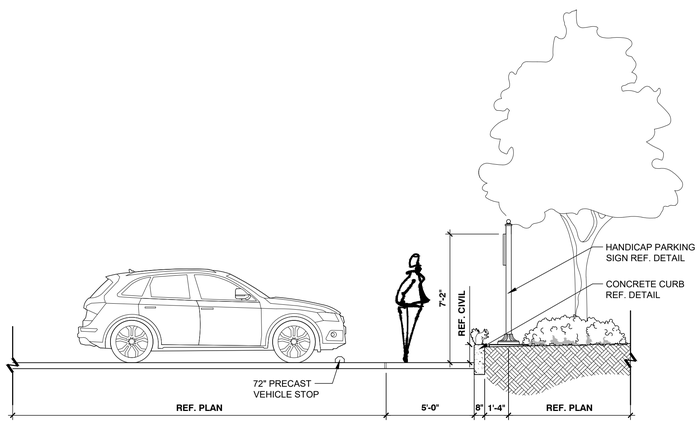
8 HANDICAP PARKING DETAIL

NOT TO SCALE P-CP-ADA-03



9 HANDICAP PARKING SIGN DETAIL

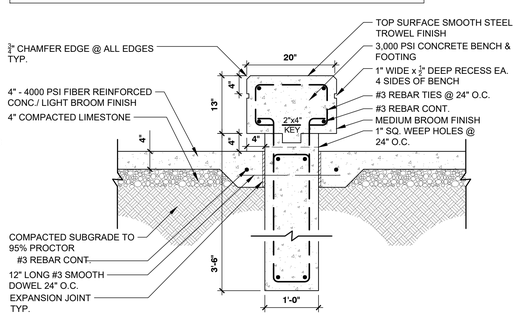
NOT TO SCALE P-CP-ADA-04



10 SIDEWALK @ ADA PARKING SECTION

NOT TO SCALE P-CP-ADA-05

CONCRETE BENCH FINISH NOTES:
1. CONTRACTOR TO RUB FINISHED WALL TO REMOVE ALL BLEMISHES OR DEFECTS POST POUR.
2. ALL EXPOSED CONCRETE ON BENCHES SHALL BE FINISHED USING TAMMSCOAT WATER-BASED DECORATIVE AND PROTECTIVE ACRYLIC COATING BY EUCLID CHEMICAL OR APPROVED EQUAL.
3. SUBMIT COLOR CHART FOR APPROVAL. CONTRACTOR SHALL APPLY THE FINISHER IN (3) SEPARATE INCONSPICUOUS BENCH LOCATIONS WITH A MINIMUM 1'x1' SURFACE AREA FOR COLOR AND TEXTURE APPROVAL BY LANDSCAPE ARCHITECT.



11 6' CONCRETE BENCH DETAIL - (CIP)

NOT TO SCALE P-CO-COM-01

1 ADDENDUM 4 | 11/7/2024

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HARDSCAPE SETAILS FOR:
CITY OF MOBILE - MIMS PARKK CONCESSIONS
Mobile, AL

SCALE: 1" = 20' -0"

STATE OF ALABAMA
REGISTERED LANDSCAPE ARCHITECT
CHRISTIAN HART PREUS
NUMBER 800

DATE: MAY 2024

H200