



Vacherie Community and Sports Complex
St. James Parish Government

Project documents obtained from www.CentralBidding.com

22-Jul-2026 04:14:45 PM

ADDENDUM #1

This Addendum is hereby made a part of the contract documents to the same extent as though it was originally included therein. This addendum must be acknowledged in the Bid Form.

TO ALL BIDDERS FOR FURNISHING LABOR, EQUIPMENT AND MATERIALS NECESSARY AND REQUIRED FOR:

Vacherie Community & Sports Complex for St. James Parish
22080 Champion St., Vacherie, LA

MISCELLANEOUS CHANGES, ADDITIONS AND CORRECTIONS:

1. A mandatory Pre-Bid Meeting was held on Tuesday, July 21st, 2026. A copy of the Pre-Bid Meeting sign-in sheet is attached.
2. A Geotechnical Exploration has been completed for this project. A copy of the Geotechnical Engineering Report is included with this Addendum.
3. For clarification, the PEMB framing and the roofing/wall panels are not required to be by the same manufacturer.
4. The estimated project budget is \$12,000,000.
5. The design intent is for the exterior masonry to match the existing adjacent Vacherie Senior Center.
6. For clarification, as it relates to testing, the Owner has a contract with Gulf South Engineering, and payments will be made directly by the Owner. The Contractor is to coordinate (only) with the Owner and Gulf South Engineering.
 - a. Contact Information: Gulf South Engineering:
15 Veterans Memorial Blvd., Kenner, LA 70062
(504)305-4401
7. For clarification, as it relates to Termite Treatment, the Owner has a contract with Bordelon Pest Control, and payments will be made directly by the Owner and coordinated by Contractor.
 - a. Contact Information: Bordelon Pest Control:
1344 Lutcher Ave., P.O. Box 139, Lutcher, LA 70071
(225)869-3598
8. Reminder: Bids will be received by the St. James Parish Government, in the **St. James Parish Courthouse Council Chambers (2nd Floor)**, located at 5800 Highway 44, Convent, Louisiana, 70723 until **2:00 P.M. on August 4th, 2026**.
9. Reminder: In accordance with the Invitation to Bidders, The Issuing Office for the Bid Documents is St. James Parish Operations Department in the St. James Parish Courthouse (3rd floor), located at 5800 Highway 44, Convent, Louisiana, 70723 (contact Ryan Larousse at Ryan.Larousse@stjamesparishla.gov). Prospective bidders may examine the Bid Documents at the Issuing Office on Mondays through Thursdays between the hours of 8:00 a.m. and 3:00 p.m. and Fridays between the hours of 8:00 a.m. and 10:00 a.m. Bid documents are also posted online at www.centralbidding.com.

10. For clarification, it is assumed there is no asbestos in the existing PEMB building to be demolished on site. If any asbestos containing materials are found on site, notify the design team immediately before disturbing suspected materials.
11. For clarification, contractors shall provide builder's risk insurance to protect the Owner, the Contractor and Subcontractors for loss with coverage in an amount equal to the sum of the Contract award. The policy shall insure against all risk of loss or damage. The Contractor shall be responsible for any deductible on any policy of insurance if a claim is made under the policy. Builder's risk insurance shall name the Owner as an additional insured.
12. This project is not located in a flood zone. Flood insurance is not required.
13. To clarify, the Pre-finished Expanded Mesh Panels are installed at the covered drop off (reference sheet A400), and on the East elevation of the Alternate #1 Restroom Building (reference sheet A900).
14. For clarification, Owner's and Contractors Protective (OCP) liability insurance is NOT required on this project.

CHANGES, ADDITIONS AND CORRECTIONS IN PROJECT MANUAL:

1. Index of Specifications: Remove section 460000-Wastewater Treatment Plant from the Index. This specification is not needed for this project.

CHANGES, ADDITIONS AND CORRECTIONS IN THE DRAWINGS:

1. Drawing G101: Index of Drawings was edited to add sheet 4.2-Mechanical Details to the index.
2. Drawing A401: Drawing A401 has been revised to include the following modifications:
 - a. The addition of the expanded mesh specification and a typical mesh panel at steel column detail.
3. Drawings A900 and A901: The referenced drawings have been added to the project. The drawings include plans, sections, and details for Alternate #1. These drawings were previously listed in drawing index.
4. Drawing P3.0: The referenced plumbing drawing has been revised and is being reissued with this Addenda.
5. Drawings M2.0, M2.1, M3.0: The referenced mechanical drawings have been revised and are being reissued with this Addenda.
6. Drawing M4.2: The referenced drawing has been added to the project.
7. Drawings E1.1, E4.1, E4.2, E6.2, E7.0, E8.0, E8.1: The referenced electrical drawings have been revised and are being reissued with this Addenda.

PRIOR APPROVALS:

Prior approval of manufacturers: The following manufacturers are pre-approved in accordance with the Contract Documents. Approval of manufacturers does not relieve the supplier of the responsibility to fulfill the physical constraints and performance requirements of the project. The products proposed must comply with all contract documents and detailed information assuring compliance must be provided as part of the submittal process. The contractor shall be responsible for any modifications from the basis of design product as a result of the prior approved equipment.

Proposed Equipment/Product	Manufacturers/Model
Pre-Engineered Metal Building	Pinnacle Structures, Waldrop Steel Company, Delta Consolidated Building
Flooring	Milliken
Bleachers	Sheridan Seating

Louvers	Pottorf
Backdraft Dampers	Pottorf
Damper (motorized, manual, modulating)	Pottorf
Roof Hoods	ACME Manufacturing/S&P
Spiral Pipe	Duct Direct
Snaplock – Pipe	Mitchell Metals
Taps	Dace
Flexible Duct	Thermaflex
Inline Exhaust Fan (general exhaust)	S&P
Electric Unit Heaters	Reznor
Kitchen Fans	Captive Air
HVLS	MacroAir
Lighting Fixture Type: F1, F4	Lumark
Lighting Fixture Type: F2, F3	Halo Commercial
Lighting Fixture Type: F4	KW Industries
Lighting Fixture Type: F5	Vista Professional Lighting
Lighting Fixture Type: F6	Spitzer
Lighting Fixture Type: F7	Ligman Lighting USA
Lighting Fixture Type: F8, FJ, FM, FMX	Lexington Lighting Group, LLC
Lighting Fixture Type: FA, FAX, FB, FBX, FE, FEX, FF, FFX, FH	Metalux
Lighting Fixture Type: FC, FCX	Alphabet Lighting
Lighting Fixture Type: FD14, FD16X, FD30, FK6X, FK16, FK16X	Startek Lighting America
Lighting Fixture Type: FG2, FG2X, FG4, FG6	TMS Lighting
Lighting Fixture Type: X1	SURE-LITES
CTTL (Distributed Lighting Controls)	ILC Intelligent Lighting Controls

END OF ADDENDUM NO. 1

SIGN IN SHEET

PLEASE WRITE LEGIBLY

Vacherie Community & Sports Complex
For St. James Parish
DDG Project No. 21-324

Pre-Bid Meeting
July 21, 2026; 2:00 p.m.



Name (Please Print)	Company Represented	Phone No.	Email address	Bidding as General (Y/N)
Mike Bourgeois	DDG	225-235-7400	mbourgeois@ddgpc.com	
Mason Lewis	(67026) L.C. Jones Construction Solution	225-675-5555	Bids@jcsbuilds.com	Y
Greg Young	Forest Contracting	License 44882 337-578-1133	bids@forestgroup.com	Y
Brice Bentel	Spartan Building Corporation	504-654-4451	b@bbs blice@spartanbuilding.com	Y
Lanny Barrios	Onshore Const. #60129	985-227-4425	estimating@onshoreco.com	Y
Tommy Serpas	MAPP, LLC	225-757-0111	bids@mappbuilt.com	Y 38154
Eric Turner	Veris Property Group VPG	504-249-5266	Estimating@vpjenterprise.com	Y
Chris Matherne	Phrail Contracting Services, LLC	985-974-0418	phrailcontractingpm@gmail.com	Y
Lee Eichler	TBT contracting #16384	985-400-1221	office@tbtcontracting.com	Y
Victoria Comardelle	Lamar Contractors, LLC	985-785-7121	estimating@lamarcontractors.com	Y
Dennis Houze	Guykophius Const.	225-751-2158	estimating@guykophius.com	Y
Tyler Molaison	Thompson Construction	985-859-1656	varceh@Thompsonconstruction.com	Y
Alan Fore 27797	B.E.T.C.O	985-529-4285	afore@bironetubol.com	Y
Mitchell Rott	CYCLE CONSTRUCTION	504-467-1744	ESTIMATING@CYCLECONSTRUCTION.COM	Y
Randy Welch	Capitol Construction 44047	225-751-0386	bids@capconla.com	Y
Nikki Black	Michell's Elect+mech	225 902 8607	nikki@michellsinc.com	N

[illegible]



STRATUM ENGINEERING, LLC

Geotechnical Engineering ♦ Testing and Inspection Services

December 29, 2023

Duplantis Design Group, PC
314 East Bayou Road
Thibodaux, Louisiana 70301
Phone: (985) 447-0090

Attn: Mr. Ben Chiasson, P.E.

Re: Geotechnical Exploration
Proposed St. James Parish
Senior & Recreation Center
Vacherie, Louisiana
SE Project No. G23-111

Dear Ben:

Stratum Engineering, LLC (SE) is pleased to submit our Geotechnical Engineering Report for the above referenced project. This report includes the results of the field exploration and laboratory testing, and recommendations for foundation and pavement design as well as general site development.

We appreciate the opportunity to perform this geotechnical study and look forward to continued participation during the design and construction phases of this project. If you have any questions pertaining to this report, or if we may be of further service, please contact our office.

Respectfully submitted,
STRATUM ENGINEERING, LLC

William "Dean" McInnis, P.E.
Senior Project Manager

WDM/TYM

Tony Y. Maroun, P.E.
Principal



TABLE OF CONTENTS

PROJECT INFORMATION.....	1
Project Authorization.....	1
Project Description.....	1
Purpose and Scope of Services	1
SITE AND SUBSURFACE CONDITIONS	2
Site Location and Description.....	2
Drilling, Sampling, and Laboratory Testing Procedures	3
Subsurface Conditions	4
Groundwater Conditions.....	4
IBC Site Classification.....	4
EVALUATION AND RECOMMENDATIONS	5
General.....	5
Site Preparation.....	5
Pile Foundation	6
Floor Slabs	7
Pile Settlement	7
Fill Settlement.....	8
Spacing and Group Effect.....	8
Pile Installation	8
Pile Driving Monitoring.....	9
Pile Load Test	9
Vibration Monitoring.....	9
Pavement Recommendations.....	10
Geotextile Fabric.....	11
Utility Lines	12
CONSTRUCTION CONSIDERATIONS	12
Moisture Sensitive Soils/Weather Related Concerns	12
Drainage and Groundwater Concerns.....	12
Excavations	13
REPORT LIMITATIONS	13
APPENDIX	
Boring Location Plan	
Boring Logs	
Key to Terms and Symbols Used on Logs	

PROJECT INFORMATION

Project Authorization

Stratum Engineering, LLC (SE) has completed a geotechnical exploration for the proposed St. James Parish Senior & Recreation Center to be constructed in Vacherie, Louisiana. The exploration was accomplished in general accordance with SE Proposal No. G23-134, dated July 25, 2023.

Project Description

The project will include the construction of two (2) single story buildings, a Senior Citizens Center and a Recreation Center. The Senior Citizens Center will have a footprint of approximately 14,280 square feet while the Recreation Center will occupy about 24,000 square feet. The buildings will likely have structural steel frames with load bearing walls. Structural loading and other design information for the project were not yet available at the time this report was prepared. However, we have assumed that maximum column and wall loads will be less than 75 kips and 2 to 3 kips per linear foot, respectively.

Other planned features include an activity field to the north of the site which was not included in the scope of this study. Paved parking areas and drives will also be provided between the structures and south of the Recreation Center. Consideration will be given to flexible and rigid pavements to accommodate the facility.

The geotechnical recommendations presented in this report are based on the available project information, building locations, and subsurface materials described in this report. If any of the noted information is incorrect, please inform SE in writing so that we may amend the recommendations presented in this report if appropriate and if desired by the client. SE will not be responsible for the implementation of its recommendations when it is not notified of changes in the project.

Purpose and Scope of Services

The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of cost effective foundation and pavement systems for the new facility. Fifteen (15) borings were drilled at the site to depths of 6 to 70 feet below the existing ground surface. The borings were located in the field by a Stratum Engineering representative using GPS coordinates and normal taping from existing landmarks as indicated on the attached boring location plan which is reproduction of a preliminary site plan provided to us by Duplantis Design Group. The following table summarizes the borings drilled at the site:

Area	No. of Borings	Boring Depth, Feet
Senior Citizens Center Building	2 (B-1 & B-3)	1 – 70' 1 – 50'
Recreation Center Building	4 (B-2 & B-4 to B-6)	1 – 70' 3 – 50'
Parking Areas & Drives	9 (P-1 to P-9)	6'

*depth below the existing ground surface

Our scope of services included a reconnaissance of the project site, drilling the soil borings, select laboratory testing, and preparation of this geotechnical report. The report briefly outlines the testing procedures, presents available project information, describes the site and subsurface conditions, and provides recommendations regarding the following:

- Foundation type, allowable pile capacities, and an estimate of settlement;
- Flexible and rigid pavement sections;
- Seismic site classification;
- Site preparation, including subgrade preparation and fill compaction requirements;
- Factors influencing construction and performance of the proposed structures.

The scope of geotechnical services did not include an environmental assessment for determining the presence or absence of wetlands; or hazardous or toxic materials in the soil, surface water, groundwater, or air on or below, or around this site. Any statements in this report or on the boring logs regarding odors, colors, and unusual or suspicious items or conditions are strictly for informational purposes. Prior to development of this site, an environmental site assessment is advisable.

SITE AND SUBSURFACE CONDITIONS

Site Location and Description

The site of the proposed facility is situated near the southwest corner of the LA Highway 3127 and Champion Street intersection in Vacherie. The property encompasses approximately 4.5 acres of undeveloped land which is currently covered with short surface vegetation.

Detailed grading information was not available at the time the report was prepared. However, based on conversations with Mr. Ty Westerman of Duplantis Design Group, we understand that 2 ½ to 3 feet of fill will likely be required in order to achieve the buildings' floor slab design grade.

Drilling, Sampling, and Laboratory Testing Procedures

The borings were drilled with an All-Terrain Vehicle (ATV) mounted drilling rig. Auger and wet rotary drilling techniques were used to advance the borings. Samples were generally obtained continuously from the ground surface to a depth of ten feet and at maximum five foot intervals thereafter. Drilling and sampling techniques were accomplished in general accordance with ASTM Standards.

Undisturbed samples of cohesive soils were generally obtained using thin-wall tube sampling procedures in general accordance with the procedures for “Thin-Walled Tube Geotechnical Sampling of Soils” (ASTM D1587). These samples were extruded in the field with a hydraulic ram and were wrapped in aluminum foil prior to placement in a plastic wrapping to preserve moisture. The samples were transported to the laboratory in containers to prevent disturbance.

For cohesionless soils and semi-cohesive soils, Standard Penetration Tests (SPT) were performed to obtain standard penetration values of the soil. The standard penetration value (N) is defined as the number of blows of a 140 pound hammer, falling 30 inches, required to advance the split-barrel sampler one (1) foot into the soil. Samples of granular soils were obtained utilizing a two (2) inch O.D. split-barrel sampler in general accordance with procedures for “Penetration Test and Split-Barrel Sampling of Soils” (ASTM D1586). To perform the test and obtain a sample, the sampler is lowered to the bottom of the previously cleaned drill hole and advanced by blows from the hammer. The number of blows is recorded for each of three (3) successive increments of six (6) inches penetration. The “N” value is obtained by adding the second and third incremental numbers. The results of the standard penetration test indicate the relative density of cohesionless soils and thereby provide a basis for estimating the relative strength and compressibility of the soil profile components. The split spoon samples were identified according to the project number, boring number and depth, and were also placed in polyethylene plastic wrapping to protect against moisture loss.

The laboratory testing program included supplementary visual classification and water content tests on all of the soil samples. In addition, selected samples were subjected to unconfined compression testing, percent passing the #200 sieve and Atterberg Limits determination. Additional estimates of unconfined compressive strength and undrained shear strength were made using a hand penetrometer and a torvane, respectively. The laboratory testing was performed in general accordance with ASTM Standard Procedures.

Subsurface Conditions

Based on the borings, approximately 12 inches of silty topsoil with organics covered the surface of the site and was followed by alternating layers of soft to firm lean, silty and fat clays to a depth of 12 to 17 feet. The surficial materials were underlain by very soft to firm organic clay to about 22 to 27 feet. A layer of soft sandy clay or loose clayey sand was noted in several of the borings between 27 and 37 feet. Below this depth, soft to firm fat clay was encountered to around 42 feet where the clay became stiff to very stiff extending to a depth of at least 70 feet, the maximum depth explored.

The above subsurface description is of a generalized nature to highlight the major subsurface stratification features and material characteristics. The boring logs included in the Appendix should be reviewed for specific information at the boring locations. These records include soil descriptions, stratification, penetration resistances, and locations of the samples and laboratory test data. The stratification shown on the boring logs represent the conditions only at the actual boring locations. Variations may occur and should be expected between boring locations. The stratification represents the approximate boundary between subsurface materials and the actual transition may be gradual. Water level information obtained during field operations is also shown on the logs. The samples, which were not altered by laboratory testing, will be retained for 60 days from the date of this report and then will be discarded.

Groundwater Conditions

Groundwater was initially encountered in the building borings at a depth of around 8 feet during the drilling and was later measured at approximately 6 feet upon completion of the drilling operations. It should be noted that groundwater levels will fluctuate with seasonal variations in rainfall, extended periods of drought or surface runoff. Therefore, it is recommended that the actual groundwater level at the site be determined by the contractor at the time of the construction activities, if needed.

IBC Site Classification

The International Building Code (IBC), 2021 Edition, was reviewed to determine the site classification for seismic design. Based on the soils encountered in the borings and our experience in the general vicinity, the site can be classified as Site Class “E”, as outlined in Section 1613.2.2. of the Building Code.

EVALUATION AND RECOMMENDATIONS

General

The type and depth of foundation suitable for a given structure primarily depends on several factors including the subsurface conditions, the function of the structure, the loads it may carry, the cost of the foundation and the criteria set by the Design Engineer with respect to vertical and differential movement which the structure can withstand without damage.

The results of the exploration indicate that the near surface soils present at the site are poor in bearing quality and will experience some settlement caused by the anticipated structural loads and added fill. Consequently, a pile foundation system was evaluated for the proposed Senior & Recreation Center with consideration given to small and large treated timber piles to support the structures including their respective floor slabs. Details related to foundation and pavement design, as well as site preparation and development, are presented in subsequent sections of this report.

Site Preparation

Site preparation is expected to include, but not be limited to, stripping and removing any topsoil, organics, vegetation, or any other deleterious materials encountered in the development area. Any utility lines in the area should be located and re-routed as necessary. Based on the borings, approximately 12 inches of silty topsoil with organics was encountered at the site. However, the actual stripping depth should be determined by a representative of the Geotechnical Engineer at the time of construction.

The subgrade in the non-pile supported areas of the site should be proofrolled with a tandem axle dump truck or a similar heavily loaded rubber tired vehicle weighing 15 to 20 tons. Soils, which are observed to rut or deflect excessively under the moving load, should be undercut and replaced with properly compacted structural fill. The proofrolling and undercutting activities should be witnessed by a representative of the Geotechnical Engineer and should be performed during a period of dry weather.

After subgrade preparation and observation have been completed, the initial layer of structural fill should be placed in a relatively uniform horizontal lift and should be adequately keyed into the stripped and scarified soils. The structural fill should be free of organics or other deleterious materials. "Pumped" river sand may be used as structural fill. The sand should have less than ten (10) percent passing the #200 sieve. The structural fill should be compacted to at least 95 percent of the fill's maximum dry density as determined by ASTM D698 (Standard Proctor).

The structural fill should be placed in maximum lifts of eight (8) inches of loose material and should be compacted within the range of one (1) percentage point below to three (3) percentage points above the optimum moisture content value. If water must be added, it should be uniformly applied and thoroughly mixed into the soil by disking or scarifying. Each lift of compacted structural fill should be tested by a representative of the Geotechnical Engineer prior to placement of subsequent lifts. In-place density measurements should be taken to assure that the above degree of compaction is achieved. The compacted structural fill should extend five (5) feet beyond the perimeter of the buildings prior to sloping. Proofrolling of the subgrade and compaction of the fill in the pile supported building areas may be waived.

Crowning the building pads during fill placement, particularly in wet periods, is highly recommended to minimize ponding of water and allow rapid runoff of surface water. Construction traffic should not be allowed on the building pad during wet weather, where practical.

Pile Foundation

Based on the subsurface conditions encountered at the site, the proposed new community center should be supported on a deep foundation system. Consideration was given to small and large treated timber piles for support of the proposed buildings including the floor slabs.

Since no competent sand layer was encountered in the borings, the piles at the site will generally derive their support through “skin friction” along their embedded lengths. The small timber pile should have a minimum tip and butt diameter of 6 and 8 inches, respectively; while the large timber pile should have a minimum tip diameter of 7 inches and butt diameter of 12 inches. The piles should conform to ASTM D25 and the American Wood Preservers Institute (AWPI) Standards for quality and treatment.

The recommended pile lengths and corresponding capacities are from the existing ground surface and additional pile length should be provided to account for the fill thickness. The recommended pile length and the estimated corresponding allowable capacity are presented in the following table:

Estimated Allowable Single Pile Load Capacity in Tons*				
F.S. = 2.0 in Compression				
F.S. = 3.0 in Tension				
Pile Length in feet**	Small Treated Timber Pile (6" Tip – 8" Butt)		Large Treated Timber Pile (7" Tip – 12" Butt)	
	Compression	Tension	Compression	Tension
40	8	5	12	7
45	10	7	15	9
50	--	--	17	11
55	--	--	21	13
60	--	--	23	15
65	--	--	25	17

* Capacities are soil-pile related capacities and consideration should be given to the structural integrity of the pile member.

** Pile lengths measured from the existing ground surface at the time of drilling.

The capacities in the above tables are soil/pile related capacities and consideration should be given to the structural integrity of the pile member. The capacities include a factor of safety of 2 in compression and 3 in tension or uplift. Since up to 3 feet of fill is anticipated to reach the floor slabs design grade, the compression capacities presented above have been slightly reduced to account for the negative skin friction caused by the added fill. Should more fill than indicated in the report be required in the building areas, the above capacities should be evaluated further to account for the additional drag loads imparted on the piles.

Floor Slabs

The building floor slabs, including sidewalks immediately adjacent to the buildings, should be pile supported. The slabs should have an adequate number of joints to reduce cracking resulting from shrinkage and any differential movement. A vapor barrier consisting of polyethylene sheeting should be provided at the floor slab/fill soil interface. All utility lines in the building areas should be hung from the slabs. Hangers and connections used should be made of stainless steel, meeting the applicable Building Code. Flexible connections must be provided at the interface of pile supported and non-pile supported areas to accommodate at least 6 inches of settlement over the life of the structures.

Pile Settlement

It is estimated that long term settlement of piles loaded to their allowable capacities will not exceed one (1) inch. This assumes that the average fill thickness added will not exceed 3 feet. Stratum Engineering should be contacted to further evaluate the effect of additional drag loads imparted on the piles if more than the anticipated amount of fill is added in the building areas. Differential settlement is expected to be on the order of 50 percent of the total settlement.

Fill Settlement

Analyses were made to estimate the settlement under a loaded area roughly about 200 feet by 138 feet. Based on an average fill placement of 3 feet, equivalent to a uniform load of about 360 psf, settlement at the center of the filled area was estimated to be about 3 inches. Settlements at the edge and corner were estimated to be about 1 ½ inches and ¾ inch, respectively. These estimates do not take into account settlement of the fill due to poor compaction.

Spacing and Group Effect

A group of piles subjected to vertical loads may not necessarily have the same capacity as the sum of the capacities of the individual piles. For axially loaded piles, published results indicate that the ratio of capacity per pile in a group to that of a single isolated pile typically ranges from 0.5 to 1.0. This efficiency factor depends on the spacing or distance between each pile. In planning groups of driven piles, a minimum center-to-center spacing of 3D (where D is the pile diameter) is recommended to avoid the reduction in capacity and maximize the pile group efficiency.

Pile Installation

Pile driving hammers used to drive foundation piles should be selected according to pile type, length, size and weight of pile, as well as potential vibrations resulting from pile driving operations. Care should be taken to assure that the hammer selected is capable of achieving the desired penetration without causing damage to the piles or causing excessive vibrations which could damage existing, nearby structures.

Hammers with energy ratings of about 7,000 to 10,000 foot-pounds should be adequate for driving the small timber piles, while hammers having a rated energy of about 15,000 to 20,000 foot-pounds should be adequate for driving the large timber. Each pile should be driven to the desired tip elevation and the driving resistance should be monitored without interruption in the driving operations.

Driving of the center piles in the cluster first will better facilitate the driving operations. Accurate records of the final tip elevation and driving resistance should be obtained during the pile driving operations. Some pile heaving may be experienced during installation of adjacent displacement type piles. It is therefore recommended that the tip elevation of the piles be recorded and if significant heave is noted after driving of subsequent piles, provisions must be made for reseating them.

Pile Driving Monitoring

We recommend that the pile driving be monitored by the Geotechnical Engineer or his representative. Sometimes, premature refusal occurs due to poor performance of the hammer rather than from soil resistance. Any changes in hammer blow counts should be carefully examined before making any decisions about the pile penetration.

Pile Load Test

It is recommended that the pile capacities be verified by a field load test. At least four (4) probe piles of the type of pile used should be driven to the design tip elevation within the Recreation Center footprint and three (3) piles should also be driven in the Senior Center footprint using the same equipment and technique proposed for the job piles. The pile, which exhibits the least driving resistance, should be load tested to failure in accordance with ASTM D1143 Standard Procedure. The pile load test should be performed under the guidance of the Geotechnical Engineer so that the data may be interpreted and the recommended pile capacity adjusted, if necessary, according to the load test results.

Vibration Monitoring

Thresholds of vibration induced cracking are generally site specific and depend on the type and age of the structure, the frequency of ground vibration, and the type of soil supporting the structure. Research by the U.S. Bureau of Mines (USBM) and other investigative groups have established criteria relating the occurrence of structural damage to certain frequencies and level of ground motion. According to the USBM, within the range of four (4) to 12 hertz, the maximum particle velocity recommended to preclude the threshold damage to plaster-on-wood old structures is 0.5 inch per second (ips).

Peak particle velocities of 0.25 ips are perceived to be uncomfortable to humans. Furthermore, peak particle velocities in excess of 0.25 ips could densify near surface cohesionless soils resulting in cosmetic cracks in structures supported on these soils. Therefore, if sustained peak particle velocities exceed 0.25 ips, the construction activities causing these vibration levels should be halted and the construction procedures altered to maintain a safe level of vibration and minimize potential damage to adjacent structures.

Although the threshold of 0.25 ips is adopted by the local engineering community, it is presented as a guide for consideration by the design engineer. The determination of site specific vibration thresholds involves a more detailed study of the structure in question as well as an evaluation of typical pre-construction background vibration levels in the area. As such, a lower threshold may be necessary should construction take place near historic structures. These services are beyond the scope of this study, and if desired, should be completed by others prior to commencement of construction activities.

Furthermore, a pre-construction survey of nearby structures as well as development of base line of vibration induced by normal daily activities in the area is highly recommended prior to construction. This could allow for a fair settlement of third party property damage claims. While Stratum Engineering is providing this general information as a guide, SE does not assume responsibility for the impact of construction vibrations on nearby structures.

Pavement Recommendations

The performance of pavements depends upon several factors including (1) the characteristics of the supporting soils; (2) the magnitude and frequency of wheel load applications; (3) the quality of construction materials; (4) the contractor's placement and workmanship abilities; and (5) the desired period of design life.

Although grading information was unavailable at the time of this report, it was assumed that an average of about 1 ½ to 2 feet of fill would be needed to achieve the parking lot design grades. Traffic loads are expected to be typical of a community center consisting of light passenger vehicles as well as occasional heavy delivery and solid waste collection trucks.

The recommended pavement sections presented are considered typical and minimum for the assumed parameters in the general site area and anticipated traffic condition. We understand that budgetary considerations sometimes warrant thinner pavement sections than those presented. However, the owner and the project designers should be aware that thinner pavement sections may result in increased maintenance cost and lower than anticipated pavement life.

Our scope of services did not include extensive sampling for determination of Modulus of Subgrade Reaction (k) and California Bearing Ratio (CBR) of the existing subgrade or potential sources of imported fill for the specific purpose of a detailed pavement analysis. Instead, we have assumed pavement related design parameters that are considered to be typical for the area soil types.

We have assumed the subgrade soils will be prepared to achieve a Modulus of Subgrade Reaction (k) of 100 psi per inch which could be used for rigid pavement design, and a CBR of 3 for flexible pavement design. The recommended pavement sections are summarized in the following table. These pavement sections should be evaluated to ensure conformance with the minimum pavement section requirements of the local jurisdiction.

FLEXIBLE PAVEMENT		
Recommended Minimum Thickness, inches		
Pavement Materials	Light Duty	Heavy Duty
Asphaltic Concrete Wearing Course	1	2
Asphaltic Concrete Binder Course	2	2
Compacted Class II Base	8	12
Compacted Structural Fill	12 min.	12 min.

RIGID PAVEMENT		
Recommended Minimum Thickness, inches		
Pavement Materials	Light Duty	Heavy Duty
Portland Cement Concrete	6	8
Compacted Granular Fill – Sand	12 min.	12 min.

The asphaltic concrete should meet the requirements of the latest edition of the Louisiana Standard Specifications for Roads and Bridges (LSSRB) and should be compacted to a minimum of 95 percent of the density of the laboratory molded specimen. The Class II Base should meet LSSRB, Section 1003.03, and should be compacted to at least 95 percent of the aggregate's maximum dry density as determined by ASTM D698. The sand under the rigid pavement should meet the requirements of LSSRB, Section 1003.09.

Portland Cement Concrete pavements should be utilized in the heavy bus traffic areas of the site. A minimum concrete pavement thickness of eight (8) inches underlain by 12 inches of compacted granular fill is recommended.

Proper finishing of concrete pavement requires the use of appropriate construction joints to reduce the potential for cracking. Construction joints should be designed in accordance with current Portland Cement Association and American Concrete Institute guidelines. Joints should be sealed to reduce the potential for water infiltration into pavement joints and subsequent infiltration into the supporting soils. Load transfer devices at the pavement joints should be designed in accordance with accepted codes. The concrete should have a minimum compressive strength of 4,000 psi at 28 days.

Geotextile Fabric

Should soft conditions be encountered at the site, a woven geotextile consisting of MIRAFI 600X or equivalent is recommended to improve the subgrade condition prior to fill placement. The geotextile, which is sold in rolls of various sizes, should be installed per the manufacturer's recommendations and be overlapped a minimum of two (2) feet. The geotextile fabric should meet or exceed the following properties:

Property	Test Method	Minimum Average Roll Values
Grab tensile strength, lbs.	ASTM D4632	315
Grab tensile elongation, %	ASTM D4632	15
Mullen burst strength, psi	ASTM D4632	600
Puncture resistance, lbs.	ASTM D4632	120
Trapezoid tear strength, lbs.	ASTM D4632	120
UV resistance after 500 hrs, % strength resistance	ASTM D4632	70

Utility Lines

It is recommended that aggregate bedding material be placed beneath the RCP culverts to distribute the load and minimize initial subsidence. The bedding material should be at least 6 inches in thickness and should extend one-half of the pipe diameters beyond the edge of either side of the pipe or a minimum of 12 inches, whichever is greater. The RCP should be side bedded to the mid-height of the pipe or to the pipe spring line if arch pipe is used. The bedding material should consist of 12 inches of well-graded, free draining aggregate, meeting the requirements of #57 stone. A geotextile fabric should also be placed around the pipe at each joint to reduce potential migration of the fill into the joints of the pipe.

The trench excavation should be backfilled to the surface with granular fill. The fill should be placed in lifts not exceeding 8 inches and compacted to 95 percent of the maximum dry density, as determined by ASTM D698.

CONSTRUCTION CONSIDERATIONS

It is recommended that SE be retained to provide observation and testing of construction activities involved in the foundations, pavements, and related activities of this project. SE cannot accept any responsibility for any conditions which deviate from those described in this report, nor for the performance of the foundations, if not engaged to also provide construction observation and testing for this project.

Moisture Sensitive Soils/Weather Related Concerns

The upper soils encountered at this site are relatively sensitive to disturbances caused by construction traffic and changes in moisture content. During wet weather periods, an increase in the moisture content of the soil can cause significant reduction in the soil strength and support capabilities. In addition, soils that become wet may be slow to dry and thus significantly retard the progress of grading and compaction activities. It will, therefore, be advantageous to perform earthwork and foundation construction activities during dry weather.

Drainage and Groundwater Concerns

Water should not be allowed to collect in the foundation excavations, floor slab areas, or on the prepared subgrade in the construction area either during or after construction. Undercut or excavated areas should be sloped toward one corner to facilitate removal of any collected rainwater, groundwater, or surface runoff. Positive site surface drainage should be provided to reduce infiltration of surface water around the buildings.

Groundwater was measured at a depth of approximately 6 feet upon completion of the drilling operations. However, it is possible that seasonal variations will cause fluctuations of the water table. Additionally, perched water may be encountered in discontinuous zones within the overburden. Any water accumulation should be removed from the excavations by pumping. Should excessive and uncontrolled amounts of seepage occur, the Geotechnical Engineer should be consulted to provide additional recommendations, as needed.

Excavations

In Federal Register, Volume 54, No. 209 (October 1989), the United States Department of Labor, Occupational Safety and Health Administration (OSHA) amended its "Construction Standards for Excavations, 29 CFR, Part 1926, Subpart P". This document was issued to better ensure the safety of workmen entering trenches or excavations. It is mandated by this federal regulation that excavations, whether they be utility trenches, basement excavation or footing excavation, be constructed in accordance with the new OSHA guidelines. It is our understanding that these regulations are being strictly enforced and if they are not closely followed, the owner and the contractor could be liable for substantial penalties.

The contractor is solely responsible for designing and constructing stable, temporary excavations and should shore, slope or bench the sides of the excavations as required to maintain stability of both the excavation sides and bottom. The contractor's "responsible person", as defined in 29 CFR, Part 1926, should evaluate the soil exposed in the excavations as part of the contractor's safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations.

We are providing this information solely as a service to our client. SE does not assume responsibility for construction site safety or the contractor's or other parties' compliance with local, state, and federal safety or other regulations.

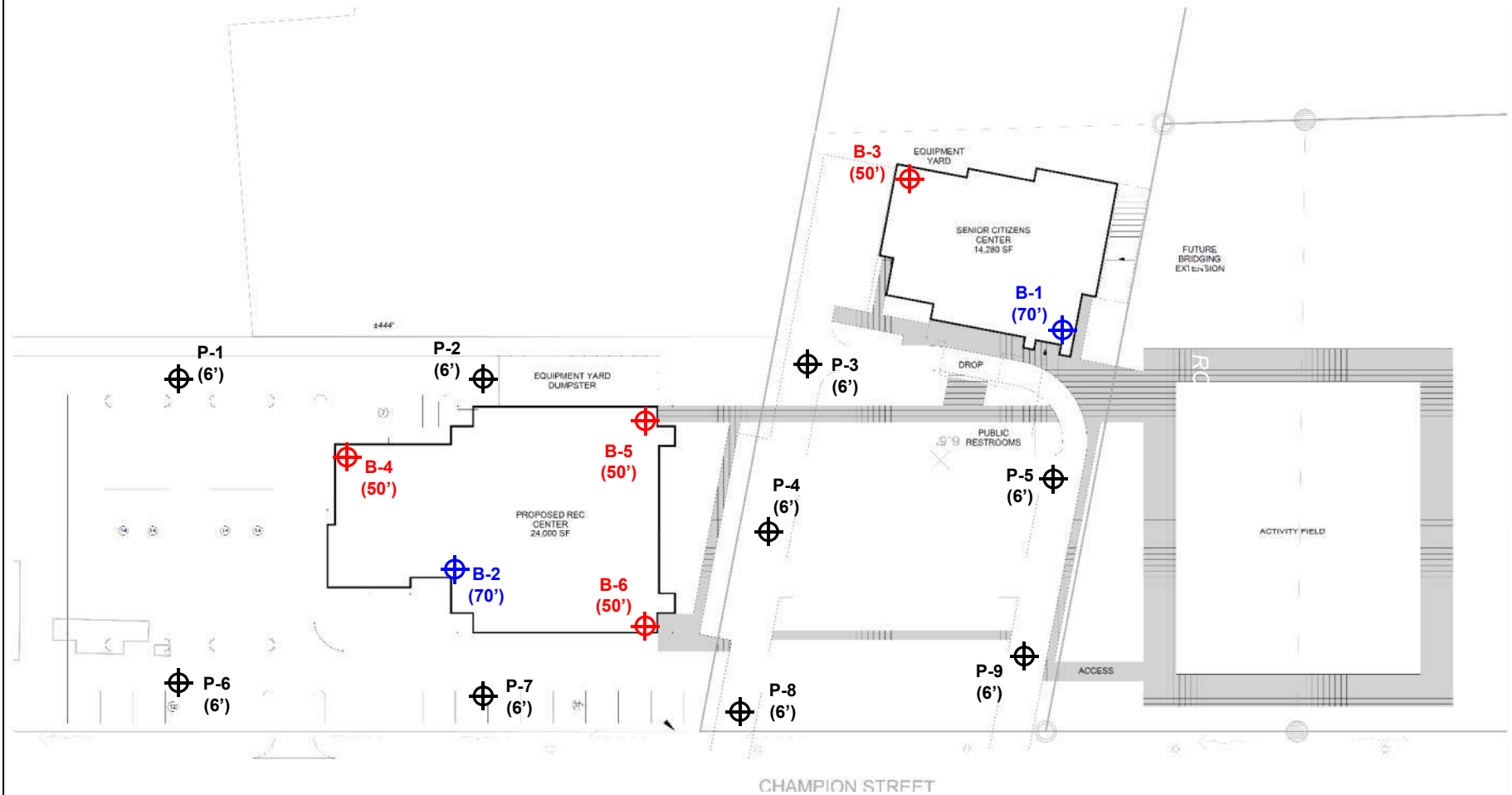
REPORT LIMITATIONS

The recommendations submitted in this report are based on the available subsurface information obtained by SE and design details furnished by Duplantis Design Group, PC. If there are any revisions to the plans for this project, or if deviations from the subsurface conditions noted in this report are encountered during construction, SE should be notified immediately to determine if changes in the foundation recommendations are required. If SE is not notified of such changes, SE will not be responsible for the impact of those changes on the project.

The Geotechnical Engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed.

After the plans and specifications are more complete, the Geotechnical Engineer should be retained and provided the opportunity to review the final design plans and specifications to check that our engineering recommendations have been properly incorporated in to the design documents. At that time, it may be necessary to submit supplementary recommendations. If SE is not retained to perform these functions, SE will not be responsible for the impact of those conditions on the project. This report has been prepared for the exclusive use of Duplantis Design Group, PC for the specific application to the proposed St. James Parish Senior & Recreation Center to be constructed in Vacherie, Louisiana.

APPENDIX



⊕ = BORING LOCATION



BORING LOCATION PLAN

SE PROJECT NO. G23-111

GEOTECHNICAL ENGINEERING SERVICES
PROPOSED ST. JAMES PARISH
SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA



LOG OF BORING B-1
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: WET ROTARY

LOCATION: SENIOR CITIZENS CENTER

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENETROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			2.75			23			
			Very stiff gray Lean Clay with sand		0.45	0.50		88	28			
			- becomes soft to firm at 2'			0.50			35			
5												
			Loose gray Sandy Silt		0.33	0.50		89	29		NP	66
10			Soft to firm gray Fat Clay with trace of organics			0.50			67			
					0.35	0.50		57	76			
15												
			Firm dark gray Organic Clay			0.75			165			
20												
			Soft to firm gray Fat Clay with sand lenses		0.27	0.50		77	49			
25												
			Loose gray Clayey Sand with shell fragments	6					33			
30												
			Soft to firm gray Fat Clay		0.35	0.50		75	48			
35			- with shell fragments at 33'									
			- dark gray with organics at 38'			0.75			93			
40												
			Very stiff tannish gray Lean Clay		2.52	3.00		110	20			
45												
			- becomes firm to stiff reddish gray with silt seams at 48'			1.00			31			
50												

DEPTH OF BORING: 70 Feet
DATE: 11/15/2023

GROUNDWATER: Measured at 6 Feet Upon Completion of Drilling



LOG OF BORING B-1 (continued)
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: WET ROTARY

LOCATION: SENIOR CITIZENS CENTER

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			Firm to stiff reddish gray Lean Clay with silt seams		0.87	1.75		95	30			
55												
			Loose reddish gray Clayey Sand	10					27			
60												
			Very stiff reddish gray Fat Clay		2.18	3.25		85	41	87	55	100
65												
			- tannish gray with sand lenses at 68'			2.50			28			
70												
			Boring Terminated at 70 Feet									
75												
80												
85												
90												
95												
100												

DEPTH OF BORING: 70 Feet
DATE: 11/15/2023



LOG OF BORING B-2
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: WET ROTARY

LOCATION: RECREATION CENTER

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENETROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			3.25			18			
			Stiff to very stiff gray Sandy Lean Clay			1.25			20			
5			Soft to firm gray Lean Clay with silt seams		0.49	0.50		89	35			
						0.75			38			
					0.38	0.50		84	37			
10												
			Soft to firm dark gray Organic Clay			0.50			129			
15												
			- becomes very soft to soft at 18'		0.23	0.25		31	159			
20												
						0.25			96			
25												
			Very soft to soft gray Sandy Lean Clay		0.19		0.10	88	36	39	14	65
30												
			Loose gray Silty Sand with shell fragments	9					30			
35												
			Stiff to very stiff light gray Fat Clay		1.43	1.50		105	24			
40			- with sand at 38'									
						2.50			24			
45			- becomes tannish gray at 43'									
					1.03	1.25		95	31			
50												

DEPTH OF BORING: 70 Feet
 DATE: 11/15/2023

GROUNDWATER: Measured at 6 Feet Upon Completion of Drilling



LOG OF BORING B-2 (continued)
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: WET ROTARY

LOCATION: RECREATION CENTER

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			Stiff to very stiff tannish gray Fat Clay									
			- reddish gray at 53'			2.50			37			
55												
			Firm to stiff reddish gray Lean Clay with sand		0.79	1.75		97	30	43	25	82
60												
			Stiff to very stiff reddish tan Fat Clay			3.50			45			
65												
			- tannish gray with sand lenses at 68'		1.65	3.00		93	31			
70												
			Boring Terminated at 70 Feet									
75												
80												
85												
90												
95												
100												

DEPTH OF BORING: 70 Feet

DATE: 11/15/2023



LOG OF BORING B-3
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: WET ROTARY

LOCATION: SENIOR CITIZENS CENTER

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENETROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			2.75			25			
			Very stiff gray Lean Clay with sand		0.65	0.75		89	38			
			- firm with silt seams at 2'									
5			Firm to stiff gray Fat Clay			1.00			51			
			- becomes soft to firm at 6'		0.45	0.50		78	44			
						0.50			48			
10												
			Soft to firm dark gray Organic Clay		0.38	0.50		36	139			
15												
						0.50			132			
20												
			Very soft to soft gray Fat Clay with sand		0.22		0.20	81	44			
25												
			Loose gray Clayey Sand with shell fragments	5					37			
30												
			Very soft to soft gray Fat Clay with sand		0.20		0.15	89	40	64	40	81
35												
			- firm at 38'			0.75			29			
40												
			Very stiff tannish gray Fat clay		2.55	3.25		108	22			
45												
			- firm to stiff at 48'			1.00			31			
50												

DEPTH OF BORING: 50 Feet
DATE: 11/17/2023

GROUNDWATER: Measured at 6 Feet Upon Completion of Drilling



LOG OF BORING B-4
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: WET ROTARY

LOCATION: RECREATION CENTER

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			4.00			17			
			Very stiff gray Lean Clay with sand		0.53	1.25		96	22			
			- firm to stiff at 2'									
5			- becomes soft to firm with silt seams at 4'			0.50			26			
					0.28		0.20	99	29			
						0.25			31			
10			- very soft to soft at 8'									
			Soft to firm gray Fat Clay with organics		0.36	0.50		56	74	108	72	
15												
			Firm dark gray Organic Clay			0.75			133			
20												
					0.60	0.75		39	121			
25												
			Very soft to soft Fat Clay			0.25			57			
30			- with sand layers at 28'									
					0.51	0.75		69	49			
35			- firm with shell fragments at 33'									
			Stiff to very stiff light gray Fat Clay			1.50			26			
40			- with sand lenses, 38' to 45'									
					2.72	3.00		109	21			
45			- tannish gray at 43'									
						2.25			35			
50			- reddish gray at 48'									

DEPTH OF BORING: 50 Feet
DATE: 11/16/2023

GROUNDWATER: Measured at 6 Feet Upon Completion of Drilling



LOG OF BORING B-5
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: WET ROTARY

LOCATION: RECREATION CENTER

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENETROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			4.50			11			
			Very stiff gray Lean Clay with sand									
			Stiff gray Lean Clay with silt seams			1.75			27			
5			- becomes soft to firm at 4'		0.37	0.75		94	28			
							0.20		36			
10			Soft to firm gray Fat Clay with trace of organics		0.37	0.75		62	66			
15			Soft to firm dark gray Organic Clay			0.50			115			
20					0.57	0.75		39	125			
25			- becomes black with peat at 23'			1.00			215			
30					0.30	0.50		37	120			
35			Soft to firm gray Fat Clay with sand and shell fragments			0.50			53			
40			Firm to stiff light gray Fat Clay with sand		0.73	1.25		102	27			
45			- becomes tannish gray at 43'			2.25			22			
50			Soft to firm reddish gray Lean Clay with sand and silt seams		0.50	0.75		103	26	32	11	73

DEPTH OF BORING: 50 Feet
DATE: 11/16/2023

GROUNDWATER: Measured at 6 Feet Upon Completion of Drilling



LOG OF BORING B-6
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: WET ROTARY

LOCATION: RECREATION CENTER

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENETROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			4.50			17			
			Very stiff gray Lean Clay with sand			1.00			24			
			- firm to stiff at 2'									
5			- soft to firm with silt seams at 4'		0.49	0.50		91	33			
			Soft to firm gray Fat Clay			0.50			39			
			- with trace of organics at 8'		0.34	0.50		56	69			
10												
			Soft to firm dark gray Organic Clay			0.50			99			
15												
			- firm to stiff at 18'		0.70	1.00		31	156			
20												
			Firm gray Fat Clay with organics			0.75			83			
25												
			Very soft to soft gray Sandy Fat Clay		0.25		0.20	88	38	55	36	61
30												
			Loose gray Clayey Sand with shell fragments	5					35			
35												
			Very soft to soft gray Sandy Fat Clay		0.14		0.10	79	51			
40												
			Very stiff tannish gray Fat Clay			3.00			21			
45			- with calcareous nodules at 43'									
			- firm to stiff reddish gray at 48'		0.57	1.25		96	31			
50												

DEPTH OF BORING: 50 Feet
DATE: 11/16/2023

GROUNDWATER: Measured at 6 Feet Upon Completion of Drilling



LOG OF BORING P-1
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: AUGER ROTARY

LOCATION: PARKING AREAS & DRIVES

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			4.50			19	42	17	73
			Stiff to very stiff gray Lean Clay with sand			1.75			24			
			- with silt seams, 2' to 6'									
5			- soft at 4'				0.20		34			
			Boring Terminated at 6 Feet									
10												
15												
20												
25												
30												
35												
40												
45												
50												

DEPTH OF BORING: 6 Feet
DATE: 11/17/2023

GROUNDWATER: Dry Upon Completion of Drilling



LOG OF BORING P-2
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: AUGER ROTARY

LOCATION: PARKING AREAS & DRIVES

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			4.50			15			
			Very stiff gray Lean Clay with sand									
			Very stiff gray Fat Clay with silt seams			2.25			30			
5			- firm to stiff at 4'			1.00			40			
			Boring Terminated at 6 Feet									
10												
15												
20												
25												
30												
35												
40												
45												
50												

DEPTH OF BORING: 6 Feet
DATE: 11/17/2023

GROUNDWATER: Dry Upon Completion of Drilling



LOG OF BORING P-3
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: AUGER ROTARY

LOCATION: PARKING AREAS & DRIVES

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			2.50			24			
			Very stiff gray Lean Clay			1.00			27	44	23	94
			- firm to stiff at 2'									
5			Firm to stiff gray Fat Clay with silt seams			1.00			42			
			Boring Terminated at 6 Feet									
10												
15												
20												
25												
30												
35												
40												
45												
50												

DEPTH OF BORING: 6 Feet
DATE: 11/17/2023

GROUNDWATER: Dry Upon Completion of Drilling



LOG OF BORING P-4
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: AUGER ROTARY

LOCATION: PARKING AREAS & DRIVES

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			4.50			21			
			Very stiff gray Fat Clay			1.00			34			
			- firm to stiff with silt seams at 2'									
5			Soft gray Silty Clay				0.15		30			
			Boring Terminated at 6 Feet									
10												
15												
20												
25												
30												
35												
40												
45												
50												

DEPTH OF BORING: 6 Feet
DATE: 11/17/2023

GROUNDWATER: Dry Upon Completion of Drilling



LOG OF BORING P-5
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: AUGER ROTARY

LOCATION: PARKING AREAS & DRIVES

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			1.75			24	49	26	93
			Firm to stiff gray Lean Clay			0.75			31			
			- with silt seams at 2'									
5			Soft gray Silty Clay				0.15		35			
			Boring Terminated at 6 Feet									
10												
15												
20												
25												
30												
35												
40												
45												
50												

DEPTH OF BORING: 6 Feet

GROUNDWATER: Dry Upon Completion of Drilling

DATE: 11/17/2023



LOG OF BORING P-6
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: AUGER ROTARY

LOCATION: PARKING AREAS & DRIVES

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			4.50			8			
			Stiff to very stiff gray Lean Clay with sand			4.25			17			
5						1.25			27			
			Boring Terminated at 6 Feet									
10												
15												
20												
25												
30												
35												
40												
45												
50												

DEPTH OF BORING: 6 Feet

GROUNDWATER: Dry Upon Completion of Drilling

DATE: 11/17/2023



LOG OF BORING P-7
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: AUGER ROTARY

LOCATION: PARKING AREAS & DRIVES

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			4.50			15			
			Very stiff gray Lean Clay			1.00			29	37	13	46
			- firm to stiff with silt seams at 2'									
5			- soft at 4'				0.15		35			
			Boring Terminated at 6 Feet									
10												
15												
20												
25												
30												
35												
40												
45												
50												

DEPTH OF BORING: 6 Feet

GROUNDWATER: Dry Upon Completion of Drilling

DATE: 11/17/2023



LOG OF BORING P-8
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: AUGER ROTARY

LOCATION: PARKING AREAS & DRIVES

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			4.00			22			
			Very stiff gray Fat Clay									
			Soft to firm gray Lean Clay with silt seams			0.50			31			
5						0.50			31			
			Boring Terminated at 6 Feet									
10												
15												
20												
25												
30												
35												
40												
45												
50												

DEPTH OF BORING: 6 Feet

GROUNDWATER: Dry Upon Completion of Drilling

DATE: 11/17/2023



LOG OF BORING P-9
PROPOSED SENIOR & RECREATION CENTER
VACHERIE, LOUISIANA

TYPE OF BORING: AUGER ROTARY

LOCATION: PARKING AREAS & DRIVES

PROJECT NO.: G23-111

DEPTH, FT.	SOIL TYPE	SAMPLES	DESCRIPTION	N-BLOWS/FT.	UNCONFINED COMPRESSIVE STRENGTH tsf	HAND PENTROMETER tsf	TORVANE tsf	UNIT DRY WEIGHT pcf	MOISTURE CONTENT %	LIQUID LIMIT	PLASTICITY INDEX	% PASSING #200 SIEVE
			12" Silty Topsoil with organics			3.50			23	52	29	95
			Very stiff gray Fat Clay									
			Soft to firm Lean Clay with silt seams			0.50			29			
5			Firm gray Fat Clay			0.75			39			
			Boring Terminated at 6 Feet									
10												
15												
20												
25												
30												
35												
40												
45												
50												

DEPTH OF BORING: 6 Feet

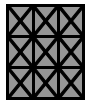
GROUNDWATER: Dry Upon Completion of Drilling

DATE: 11/17/2023

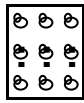


KEY TO TERMS AND SYMBOLS USED ON LOGS

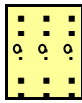
SOIL TYPE



ROCK



GRAVEL



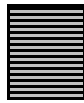
SAND



SILT

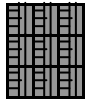


CLAY

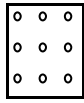


PEAT

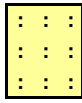
MODIFIERS



STONE



GRAVELY



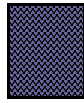
SANDY



SILTY

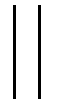


CLAYEY

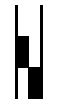


FILL

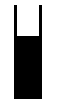
SAMPLER TYPE



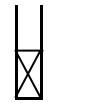
NO
SAMPLE



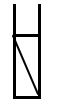
AUGER
SAMPLE



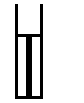
SHELBY
TUBE



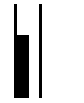
SPLIT
SPOON



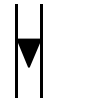
NO
RECOVERY



ROCK
CORE



2" SHELBY
TUBE



TXDOT
CONE

UNIFIED SOIL CLASSIFICATION SYSTEM - ASTM D 2487 (1980)

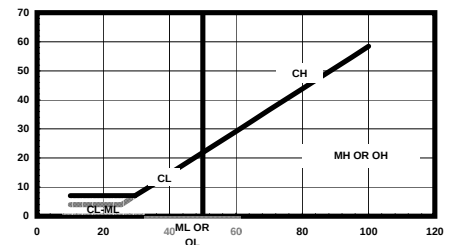
MAJOR DIVISIONS			LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS LESS THAN 50% PASSING NO. 4 SIEVE	GRAVEL & GRAVELLY SOILS	CLEAN GRAVEL	GW	WELL GRADED GRAVEL, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
		(LITTLE OR NO FINES	GP	POORLY GRADED GRAVEL, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
	50% PASSING NO. 4 SIEVE	W/ APPRECIABLE FINES	GM	SILTY GRAVEL, GRAVEL-SAND-SILT MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SANDS MORE THAN 50% PASSING NO. 200 SIEVE	CLEAN SANDS	SW	WELL GRADED SAND, GRAVELY SAND (LITTLE FINES)
		LITTLE FINES	SP	POORLY GRADED SANDS, GRAVELY SAND (L-FINES)
	50% PASSING NO. 200 SIEVE	SANDS WITH APPREA. FINES	SM	SILTY SANDS, SAND-SILT MIXTURES
			SC	CLAYEY SANDS,SAND-CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% PASSING NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS & VERY FINE SANDS,ROCK FLOUR SILTY OR CLAYEY FINE SANDS OR CLAYEY SILT W/ LOW PI
			CL	INORGANIC CLAY OF LOW TO MEDIUM PI LEAN CLAY GRAVELY CLAYS, SANDY CLAYS, SILTY CLAYS
			OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PI
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY FAT CLAYS
			OH	ORGANIC CLAYS OF MED TO HIGH PI, ORGANIC SILT
	HIGHLY ORGANIC SOIL		PT	PEAT AND OTHER HIGHLY ORGANIC SOILS
	UNCLASSIFIED FILL MATERIALS			ARTIFICIALLY DEPOSITED AND OTHER UNCLASSIFIED SOILS AND MAN MADE SOIL MIXTURES

CONSISTENCY OF COHESIVE SOILS

CONSISTENCY	SHEAR STRENGTH IN TONS/FT ²
VERY SOFT	0. TO 0.125
SOFT	0.125 TO 0.25
FIRM	0.25 TO 0.5
STIFF	0.5 TO 1.0
VERY STIFF	1.0 TO 2.0
HARD	> 2.0 OR 2.0+

RELATIVE DENSITY - GRANULAR SOILS

CONSISTENCY	N-VALUE (BLOWS/FOOT)
VERY LOOSE	0-4
LOOSE	4-9
MEDIUM DENSE	10-29
DENSE	30-49
VERY DENSE	> 50 OR 50+



ABBREVIATIONS

HP - HAND PENETROMETER

TV - TORVANE

MV - MINIATURE VANE

UC - UNCONFINED COMPRESSION TEST

UU - UNCONSOLIDATED UNDRAINED TRIAXIAL

CU - CONSOLIDATED UNDRAINED

NOTE: PLOT INDICATES SHEAR STRENGTH AS OBTAINED BY ABOVE TESTS

CLASSIFICATION OF GRANULAR SOILS

U.S. STANDARD SIEVE SIZE(S)

BOUL- -DERS	COBBLES	GRAVEL		SAND			SILT	CLAY
		COARSE	FINE	COARSE	MEDIUM	FINE		
152	76.2	19.1	4.76	2.0	0.42	0.075		0.002
GRAIN SIZE IN MM								

— DELAYED GROUNDWATER LVL
— LEVEL GROUNDWATER ENCOUNTERED

7/22/2028 2:20:02 PM
Autodesk Docs\231185_St. James Parish\21-324_Vacherie Multipurpose Facility_DD.rvt

INDEX OF ABBREVIATIONS			SCOPE OF WORK			PROJECT LOCATION			INDEX OF DRAWINGS		
ABV ABOVE AFF ABOVE FINISHED FLOOR ACCESS ACC ADJUSTICAL TILE ADD ADDENDUM ADJ ADJACENT AC AIR CONDITIONING ALT ALTERNATE AL ALUMINUM AB ANCHOR BOLT APPROX APPROXIMATE ARCH ARCHITECT AUTO AUTOMATIC BM BENCHMARK BEL BELOW BET BETWEEN BEVEL BEVELED BLK BLOCK BLKG BLOCKING BD BOARD BS BOTH SIDES BW BOTH WAYS BOT BOTTOM BLDG BUILDING BUR BUILT UP ROOFING CAB CABINET CPT CAST IRON CB CATCH BASIN CEILING CFB CEMENT FIBER BOARD CER CERAMIC CLR CLEAR-ANCE COL COLUMN CONC CONCRETE CMU CONCRETE MASONRY UNIT CONSTR CONSTRUCTION CONT CONTINUOUS OR CONTINUE C.J. CONTROL JOINT CONSTR CONSTRUCTION CTR COUNTER DEM DEMOLISH, DEMOLITION DTL DETAIL DIAG DIAGONAL DMM DIAMETER DIM DIMENSION DS DOWNSPOUT D DRAIN DWG DRAWING DWG DRAWING EACH FACE ELEV ELEVATION EMER EMERGENCY EQ EQUAL EQUIP EQUIPMENT EST ESTIMATE EXIST EXISTING E.J. EXPANSION JOINT EXP EXPOSED EXT EXTERIOR FOM FACE OF MASONRY FOS FACE OF STUDIOS FAS FASTEN, FASTENER FIN FINISH ED FTE FINISHED FLOOR ELEVATION FA FIRE ALARM F.E. FIRE EXTINGUISHER CABINET FLR FLOOR-ING FD FLOOR DRAIN FLUR FLUORESCENT FTG FOUNDATION FND FOUNDATION	FR FRAME-D-ING FRT FUTURE FUR FURRED-ING GA GAUGE GALV GALVANIZED GI GALVANIZED IRON GP GALVANIZED PIPE GC GENERAL CONTRACT-OR GL GLASS, GLAZING GB GRAB BAR GYP GYPSUM HARCH HARDWARE HWD HARDWOOD HDR HEADER HTG HEATING HVAC HEAT/VENTILATION COND'G HD HEAVY DUTY HOT HEIGHT HC HOLLOW CORE HM HOLLOW METAL HORIZ HORIZONTAL HB HOSE BIB HWH HOT WATER HEATER HWY HIGHWAY INCL INCLUDE-D-ING ID INSIDE DIAMETER INSUL INSULATE-D-JON INT INTERIOR INV INVERT JAN JANITOR JT JOINT KIT KITCHEN KO KNOCKOUT LBL LABEL LAB LABORATORY LAM LAMINATE-D LAV LAVATORY LH LEFT HAND LT LIGHT LW LIGHTWEIGHT LTL LINTEL LVR LOUVER MH MANHOLE MFR MANUFACTURE-ER MAS MASONRY MO MASONRY OPENING MTL MATERIAL-S MAX MAXIMUM MECH MECHANIC-AL MED MEDIUM MTL METAL MWK MILLWORK MIN MINIMUM MIR MIRROR MISC MISCELLANEOUS MOD MODULAR MULL MULLION NAT NATURAL NRC NOISE REDUCTION COEFFICIENT NOM NOMINAL N NORTH NIC NOT IN CONTRACT NTE NOT TO SCALE OC ON CENTER-S OP OPENING OPP OPPOSITE OVD OVERHEAD OA OVERALL PNT PAINT-ED PNL PANEL PTR PAPER TOWEL DISPENSER PTG PARKING PBD PARTICLE BOARD PTN PARTITION PERF PERFORATE-D	PERM PERIMETER PLAS PLASTER PLAM PLASTIC LAMINATE PLYWD PLYWOOD PL PLATE PT POINT PVC POLYVINYL CHLORIDE PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PREFAB PREFABRICATE-D PREFIN PREFINISHED PL PROPERTY LINE QT QUARRY TILE RAD RADIUS REF REFERENCE RFL REFLECT-ED-AVE-OR REFR REFRIGERATOR REG REGISTER REIN REINFORCE-D-ING RES RESILIENT RET RETURN RA RETURN AIR REV REVISION-S, REVISED RH RIGHT HAND ROW RIGHT OF WAY R RISER RD ROOF DRAIN RFG ROOFING RM ROOM RO ROUGH OPENING RB RUBBER BASE SCH SCHEDULE SECT SECTION SHT SHEATHING SHT SHEET SIM SIMILAR SC SOLID CORE SPK SPEAKER SPEC SPECIFICATION-S SQ SQUARE S.S. STAINLESS STEEL STD STANDARD STA STATION STL STEEL STOR STORAGE STR STRUCTURAL SAT SUSPENDED ACoustICAL TILE SUS SUSPENDED SYM SYMMETRY-ICAL TGBD TACKBOARD TEMPERED TEL TELEPHONE TV TELEVISION THK THICK-NESS THR THRESHOLD TPO TOILET PAPER DISPENSER TAG TONGUE AND GROOVE TS TOWEL BAR TRAN TRANSOM T TREAD TYP TYPICAL UC UNDERCUT VB VAPOR BARRIER VERT VERTICAL VIN VINYL VCT VINYL COMPOSITION TILE VNV VINYL WALL COVERING VOJ VERIFY ON JOB WSCT WAINSCOT WH WALL HUNG WN WINDOW WG WIRID GLASS WD WOOD	BASE BID THE PROJECT INCLUDES A NEW 27,763 SF, SINGLE-STORY, MULTI-PURPOSE BUILDING FOR THE ST. JAMES PARISH GOVERNMENT. THE BUILDINGS MAIN USE WILL BE TO HOST COMMUNITY AND SPORTS EVENTS, WHILE PROVIDING SPACE FOR LOCAL FITNESS PROGRAMS AND OTHER ACTIVITIES FOR THE CITIZENS OF ST. JAMES PARISH. THE BUILDING ALSO INCLUDES OTHER SUPPORT SPACES SUCH AS OFFICES, RESTROOMS, CONCESSION, KITCHEN, STORAGE, AND LEASE SPACE FOR LOCAL AMBULANCE SERVICES. THE BUILDINGS' STRUCTURE IS A PRE-ENGINEERED METAL BUILDING (PEMB) FRAME WITH A SLOPED STANDING SEAM ROOF. WALLS GENERALLY CONSIST OF CMU, BRICK VENEER ON METAL STUDS, METAL WALL PANELS ON METAL STUDS AND/OR PEMB WALL GIRTS. SITE IMPROVEMENTS INCLUDE NEW CONCRETE PARKING AND SIDEWALKS, GRADING, SUBSURFACE DRAINAGE, AND EXTENSION OF UTILITIES TO THE SITE. ADD ALTERNATE #1 ADD ALT #1 INCLUDES A NEW 500 SF RESTROOM BUILDING. THE BUILDINGS STRUCTURE IS CMU BLOCK WALLS WITH A SLOPED METAL ROOF ON METAL PURLINS. ADD ALTERNATE #2 ADD ALT #2 INCLUDES A NEW 3,000 SF OPEN SIDED PAVILION. THE PAVILIONS STRUCTURE IS A PRE-ENGINEERED METAL BUILDING (PEMB) FRAME WITH A SLOPED METAL STANDING SEAM ROOF.								
GRAPHIC INDEX			GENERAL PROJECT NOTES								
GENERAL INDEX											
DRAWING NUMBER 5 DRAWING TITLE DRAWING/SHEET NO. TO WHICH THIS DRAWING IS CUT TO REFERENCED SCALE = 1'-0"		SURFACE SHOWN IN ELEVATION ELEVATION NUMBER 1 1A1 SHEET NUMBER ON WHICH ELEVATION IS DRAWN							REFERENCE NUMBER FOR WALLS, PARTITIONS, CONSTRUCTION, ETC... OR ANY INFORMATION TO BE CONVEYED WHICH IS REPETITIVE OR SPACE AVAILABLE PROHIBITS A WRITTEN DESCRIPTION OF AN ITEM		
DETAIL NUMBER 1 1A1 AREA OF DETAIL TO BE ENLARGED SHEET NUMBER ON WHICH ENLARGED DETAIL IS DRAWN											
DIRECTION OF CUTTING PLANE LONGITUDINAL OR TRANSVERSE BUILDING SECTION NO. 1 1A1 SHEET NUMBER ON WHICH LONGITUDINAL OR TRANSVERSE BUILDING SECTION IS DRAWN		NEW OR REQUIRED POINT ELEVATION + 7.25" EXISTING POINT ELEVATION + 7.25"									
DETAIL NUMBER 1 1A1 DIRECTION OF CUTTING PLANE SHEET NUMBER ON WHICH SECTION OR DETAIL IS DRAWN		DETAIL NUMBER 1 1A1 DIRECTION OF CUTTING PLANE SHEET NUMBER ON WHICH SECTION OR DETAIL IS DRAWN									
ARCHITECTURAL PLAN INDEX											
1 A COLUMN REFERENCE GRIDS		F.E. FIRE EXTINGUISHER SURFACE MOUNTED F.E. FIRE EXTINGUISHER SEMI-RECESSED F.E. FIRE EXTINGUISHER SEMI-RECESSED									
101 DOOR IDENTIFICATION NO.											
101 ROOM NUMBER		GRAB BARS									
2 SPECIFIC NOTE		WH WATER HEATER									
A WINDOW OR LOUVER TYPE		DS DOWNSPOUT									
UP 17R NUMBER OF RISERS 11 1/2" STAIR DIRECTION SYMBOL WIDTH OF TREADS		FD FLOOR DRAIN NOTE: LINES INDICATE SLOPE IN FLOOR									
ARCHITECTURAL MATERIAL LEGEND											
EARTH CONCRETE BRICK IN PLAN (BRK) BRICK IN ELEVATION METAL (MTL) GYPSUM WALL BOARD		PLYWOOD (PLYWD) WOOD FINISH (WD FIN) WOOD ROUGH INSULATION LOOSE OR BATT (INSUL) INSULATION RIGID (INSUL) ACOUSTICAL RIGID (ACT)									

GENERAL INFORMATION	GENERAL INFORMATION
G100 COVER SHEET	G100 COVER SHEET
G101 PROJECT INFORMATION	G101 PROJECT INFORMATION
G102 ADA GENERAL INFORMATION	G102 ADA GENERAL INFORMATION
G103 CODE ANALYSIS	G103 CODE ANALYSIS
G200 DESIGN INTENT / 3D MODEL	G200 DESIGN INTENT / 3D MODEL
SURVEY	
---	SURVEY
CIVIL	
D-1 DEMOLITION PLAN	D-1 DEMOLITION PLAN
C-1.1 SITE PLAN	C-1.1 SITE PLAN
C-1.2 DIMENSION CONTROL PLAN	C-1.2 DIMENSION CONTROL PLAN
C-2 GRADING PLAN	C-2 GRADING PLAN
C-3 UTILITY PLAN	C-3 UTILITY PLAN
C-4 EROSION CONTROL PLAN	C-4 EROSION CONTROL PLAN
C-5 DETAIL SHEET	C-5 DETAIL SHEET
C-6 DETAIL SHEET	C-6 DETAIL SHEET
C-7 DETAIL SHEET	C-7 DETAIL SHEET
C-8 DETAIL SHEET	C-8 DETAIL SHEET
C-9 DETAIL SHEET	C-9 DETAIL SHEET
LANDSCAPE	
L-1.0 LANDSCAPE PLAN	L-1.0 LANDSCAPE PLAN
L-1.1 LANDSCAPE DETAILS	L-1.1 LANDSCAPE DETAILS
L-2.0 IRRIGATION PLAN	L-2.0 IRRIGATION PLAN
L-2.1 IRRIGATION DETAILS	L-2.1 IRRIGATION DETAILS
ARCHITECTURE	
AS100 ARCHITECTURAL SITE PLAN	AS100 ARCHITECTURAL SITE PLAN
AS101 SITE DETAILS	AS101 SITE DETAILS
A001 ARCHITECTURAL SLAB PLAN	A001 ARCHITECTURAL SLAB PLAN
A100 OVERALL FLOOR PLAN	A100 OVERALL FLOOR PLAN
A101 SCHEDULES	A101 SCHEDULES
A102 FLOOR PLAN	A102 FLOOR PLAN
A103 FLOOR PLAN	A103 FLOOR PLAN
A104 FLOOR PLAN	A104 FLOOR PLAN
A105 FLOOR PLAN	A105 FLOOR PLAN
A106 PARTIAL PLANS	A106 PARTIAL PLANS
A107 PARTIAL PLAN DETAILS	A107 PARTIAL PLAN DETAILS
A108 PARTIAL PLAN DETAILS	A108 PARTIAL PLAN DETAILS
A200 DOOR SCHEDULE / DETAILS	A200 DOOR SCHEDULE / DETAILS
A201 DOOR DETAILS	A201 DOOR DETAILS
A202 STOREFRONT SCHEDULE / DETAILS	A202 STOREFRONT SCHEDULE / DETAILS
A203 STOREFRONT DETAILS	A203 STOREFRONT DETAILS
A204 STOREFRONT DETAILS	A204 STOREFRONT DETAILS
A300 ROOF PLAN	A300 ROOF PLAN
A301 ROOF PLANS & DETAILS	A301 ROOF PLANS & DETAILS
A302 ROOF DETAILS	A302 ROOF DETAILS
A303 ROOF DETAILS	A303 ROOF DETAILS
A400 EXTERIOR ELEVATIONS	A400 EXTERIOR ELEVATIONS
A401 EXTERIOR ELEVATIONS	A401 EXTERIOR ELEVATIONS
A500 BUILDING SECTIONS	A500 BUILDING SECTIONS
A501 BUILDING SECTIONS	A501 BUILDING SECTIONS
A502 BUILDING SECTIONS	A502 BUILDING SECTIONS
A503 BUILDING SECTIONS	A503 BUILDING SECTIONS
A600 WALL SECTIONS	A600 WALL SECTIONS
A601 WALL SECTIONS	A601 WALL SECTIONS
A602 WALL SECTIONS	A602 WALL SECTIONS
A603 WALL SECTIONS	A603 WALL SECTIONS
A604 WALL SECTIONS	A604 WALL SECTIONS
A605 WALL SECTIONS	A605 WALL SECTIONS
A606 WALL SECTIONS	A606 WALL SECTIONS
A607 WALL SECTIONS	A607 WALL SECTIONS
A700 INTERIOR ELEVATIONS / DETAILS	A700 INTERIOR ELEVATIONS / DETAILS
A701 INTERIOR ELEVATIONS / DETAILS	A701 INTERIOR ELEVATIONS / DETAILS
A702 INTERIOR ELEVATIONS / DETAILS	A702 INTERIOR ELEVATIONS / DETAILS
A800 REFLECTED CEILING PLAN	A800 REFLECTED CEILING PLAN
A900 RESTROOM BUILDING FLOOR PLAN - ALT #1	A900 RESTROOM BUILDING FLOOR PLAN - ALT #1
A901 RESTROOM BUILDING SECTIONS & DETAILS - ALT #1	A901 RESTROOM BUILDING SECTIONS & DETAILS - ALT #1
STRUCTURAL	
S-100 FOUNDATION PLAN	S-100 FOUNDATION PLAN
S-101 WALL PLAN	S-101 WALL PLAN
S-102 BATHROOM FOUNDATION PLAN & WALL PLAN	S-102 BATHROOM FOUNDATION PLAN & WALL PLAN
S-103 PAVILION FOUNDATION PLAN	S-103 PAVILION FOUNDATION PLAN
S-200 PILE CAP SECTIONS	S-200 PILE CAP SECTIONS
S-201 PILE CAP SECTIONS	S-201 PILE CAP SECTIONS
S-202 STRUCTURAL DETAILS	S-202 STRUCTURAL DETAILS
S-300 MASONRY DETAILS	S-300 MASONRY DETAILS
FIRE PROTECTION	
FP-1.0 FIRE PROTECTION SITE PLAN	FP-1.0 FIRE PROTECTION SITE PLAN
PLUMBING	
P0.0 PLUMBING LEGEND & NOTES	P0.0 PLUMBING LEGEND & NOTES
P1.0 PLUMBING SITE PLAN	P1.0 PLUMBING SITE PLAN
P2.0 DOMESTIC PLUMBING PLAN	P2.0 DOMESTIC PLUMBING PLAN
P2.1 SANITARY PLUMBING PLAN	P2.1 SANITARY PLUMBING PLAN
P3.0 OVERALL PLUMBING PLAN	P3.0 OVERALL PLUMBING PLAN
P4.0 PLUMBING SCHEDULES	P4.0 PLUMBING SCHEDULES
P4.1 PLUMBING RISERS	P4.1 PLUMBING RISERS
P4.2 PLUMBING RISERS	P4.2 PLUMBING RISERS
P5.0 PLUMBING DETAILS	P5.0 PLUMBING DETAILS
MECHANICAL	
M0.0 MECHANICAL LEGEND & NOTES	M0.0 MECHANICAL LEGEND & NOTES
M1.0 MECHANICAL SITE PLAN	M1.0 MECHANICAL SITE PLAN
M2.0 MECHANICAL PLAN	M2.0 MECHANICAL PLAN
M2.1 MECHANICAL PLAN	M2.1 MECHANICAL PLAN
M2.2 MECHANICAL ENLARGED PLAN	M2.2 MECHANICAL ENLARGED PLAN
M3.0 MECHANICAL SCHEDULES	M3.0 MECHANICAL SCHEDULES
M4.0 MECHANICAL DETAILS	M4.0 MECHANICAL DETAILS
M4.1 MECHANICAL DETAILS	M4.1 MECHANICAL DETAILS
M4.2 MECHANICAL DETAILS	M4.2 MECHANICAL DETAILS
ELECTRICAL	
E0.0 ELECTRICAL LEGEND	E0.0 ELECTRICAL LEGEND
E0.1 ELECTRICAL GENERAL NOTES	E0.1 ELECTRICAL GENERAL NOTES
E0.2 LIGHTING SCHEDULE & CONTROLS SEQUENCE	E0.2 LIGHTING SCHEDULE & CONTROLS SEQUENCE
E1.1 ELECTRICAL SITE PLAN	E1.1 ELECTRICAL SITE PLAN
E2.1 LIGHTING PLAN - AREA A	E2.1 LIGHTING PLAN - AREA A
E2.2 LIGHTING PLAN - AREA B	E2.2 LIGHTING PLAN - AREA B
E3.1 POWER AND DATA PLAN - AREA A	E3.1 POWER AND DATA PLAN - AREA A
E3.2 POWER AND DATA PLAN - AREA B	E3.2 POWER AND DATA PLAN - AREA B
E4.1 MECHANICAL POWER PLAN - AREA A	E4.1 MECHANICAL POWER PLAN - AREA A
E4.2 MECHANICAL POWER PLAN - AREA B	E4.2 MECHANICAL POWER PLAN - AREA B
E5.1 SPECIAL SYSTEMS PLAN - AREA A	E5.1 SPECIAL SYSTEMS PLAN - AREA A
E5.2 SPECIAL SYSTEMS PLAN - AREA B	E5.2 SPECIAL SYSTEMS PLAN - AREA B
E6.1 ENLARGED ELECTRICAL PLANS	E6.1 ENLARGED ELECTRICAL PLANS
E6.2 ENLARGED ELECTRICAL PLANS	E6.2 ENLARGED ELECTRICAL PLANS
E7.0 POWER RISER DIAGRAM	E7.0 POWER RISER DIAGRAM
E8.0 PANEL SCHEDULES	E8.0 PANEL SCHEDULES
E8.1 PANEL SCHEDULES	E8.1 PANEL SCHEDULES
E8.2 PANEL SCHEDULES	E8.2 PANEL SCHEDULES
E9.0 ELECTRICAL DETAILS	E9.0 ELECTRICAL DETAILS
E9.1 ELECTRICAL DETAILS	E9.1 ELECTRICAL DETAILS
E9.2 ELECTRICAL DETAILS	E9.2 ELECTRICAL DETAILS
FOOD SERVICE	
FS101 FOOD SERVICE EQUIPMENT FLOOR PLAN	FS101 FOOD SERVICE EQUIPMENT FLOOR PLAN
FS201 FOOD SERVICE EQUIPMENT FABRICATION DETAILS	FS201 FOOD SERVICE EQUIPMENT FABRICATION DETAILS
FS301 FOOD SERVICE EQUIPMENT PLUMB/MECH ROUGH-INS	FS301 FOOD SERVICE EQUIPMENT PLUMB/MECH ROUGH-INS
FS401 FOOD SERVICE EQUIPMENT ELEC ROUGH-IN PLAN	FS401 FOOD SERVICE EQUIPMENT ELEC ROUGH-IN PLAN
FS402 FOOD SERVICE EQUIPMENT ELEC ROUGH-IN DIAGRAMS	FS402 FOOD SERVICE EQUIPMENT ELEC ROUGH-IN DIAGRAMS

VACHERIE COMMUNITY & SPORTS COMPLEX

22120 CHAMPION STREET

VACHERIE, LA

ST. JAMES PARISH



314 E. BAYOU RD | THIBODAUX, LA
985.447.0090

PROJECT NO. 21-324

ISSUED FOR BIDDING
07/02/2026

07-22-2026 1 ADD1

CHECKED MB
DRAWN BY MB, LM, KA

PROJECT INFORMATION

G101



VACHERIE COMMUNITY & SPORTS COMPLEX

22120 CHAMPION STREET
VACHERIE, LA
ST. JAMES PARISH



314 E. BAYOU RD | THIBODAUX, LA
985.447.0090



PROJECT NO. 21-324

ISSUED FOR BIDDING
07/02/2026

07-22-2026 1 ADD1

CHECKED MB
DRAWN BY MB, LM, KA

RESTROOM BUILDING
SECTIONS & DETAILS - ACT #1

A901

© 2022 DUPLANTIS DESIGN GROUP, P.C.

BUILDING ENVELOPE DESIGN

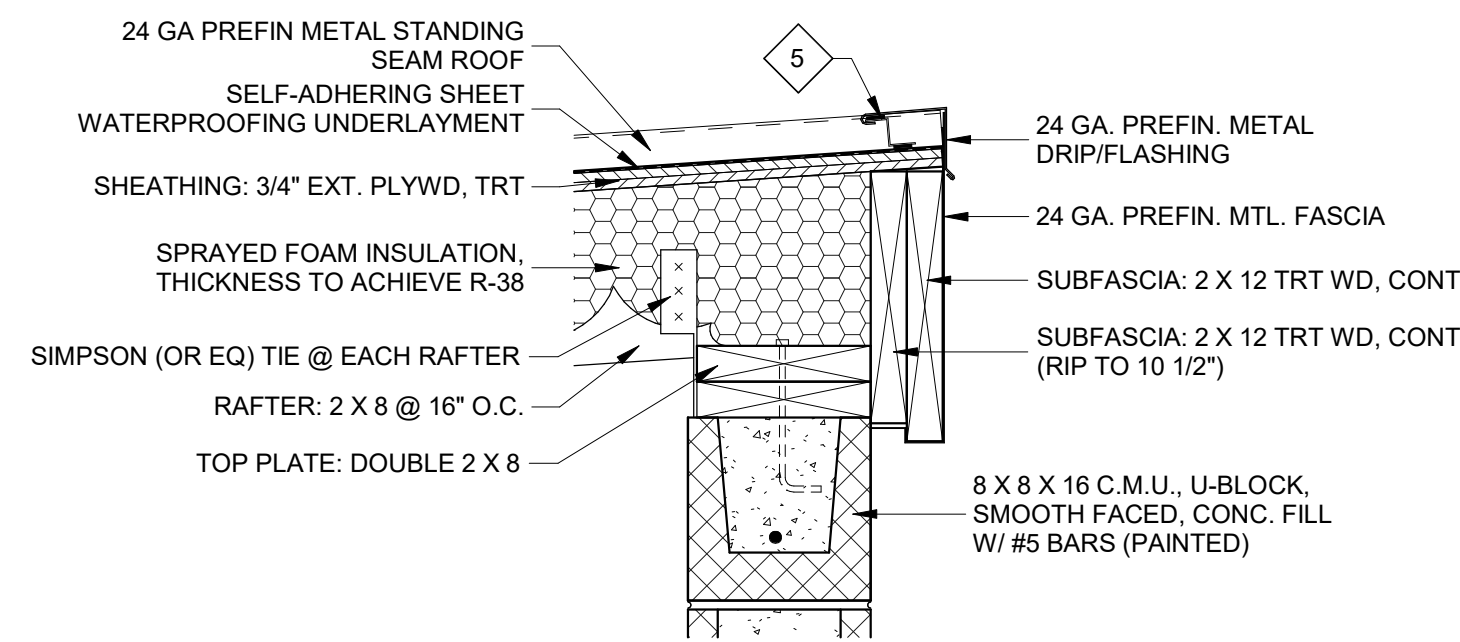
THE EXTERIOR WALL AND ROOF FRAMING SYSTEMS, IN CONJUNCTION WITH THE INTERIOR SHEATHING, EXTERIOR SHEATHING, VAPOR BARRIERS, INSULATION, EXTERIOR FINISHES AND ROOF SYSTEMS, ARE DESIGNED TO CREATE A SEALED BUILDING ENVELOPE.

WITH THE ABOVE IN MIND, THE CONTRACTOR SHALL SEAL ALL PENETRATIONS IN THE ROOF AND WALL ENVELOPE. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE FOLLOWING:

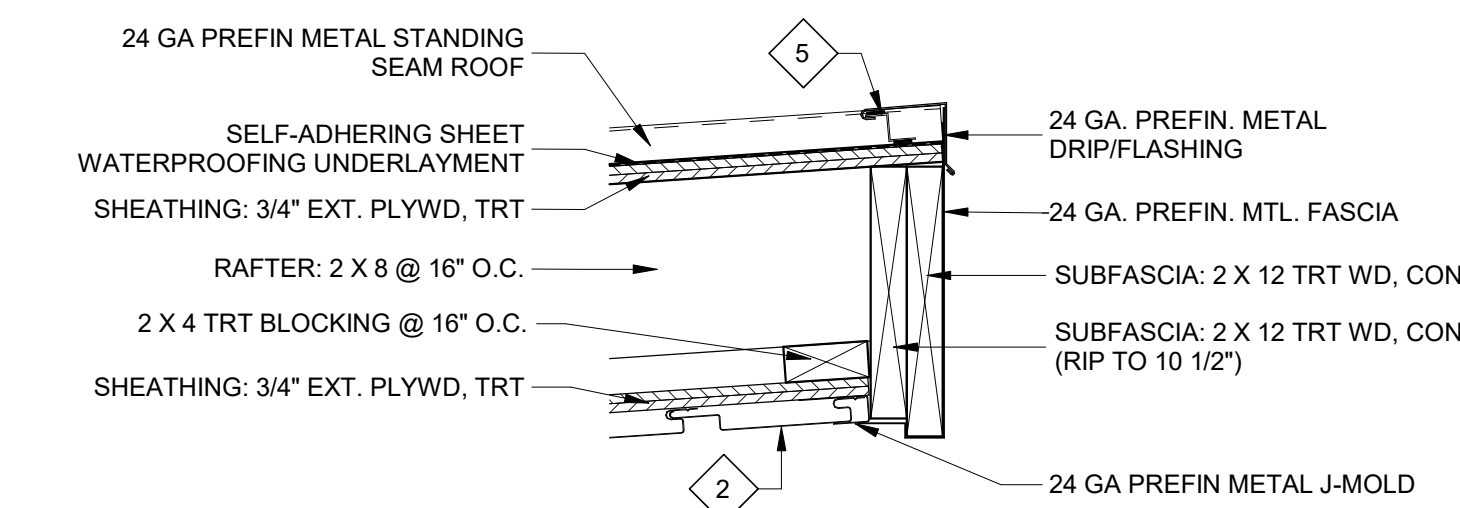
- SEAL EXTERIOR SILL PLATES/ TRACTS TO CONCRETE SLAB
- SEAL WINDOW AND DOOR ROUGH OPENINGS
- SEAL ALL PENETRATIONS THROUGH ROOF AND WALL THERMAL AND VAPOR BARRIERS, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, RECEPTACLES, HOSE BIBS, DUCTWORK, ETC.
- EXTEND THERMAL WALL INSULATION TO ROOF DECK FILLING ALL VOIDS CREATED BY STRUCTURAL BEAMS, COLUMNS, JOISTS, DECKING, ETC.
- EXTEND VAPOR BARRIER FOR THE EXTERIOR WALLS UP TO WOOD BLOCKING AT PARAPETS AND/OR TO THE BLOCKING AT GUTTER LINE OF WALLS. LAP ROOF MEMBRANE OVER BLOCKING TO CREATE A CONTINUOUS SEAL AT THE WALL TO ROOF TRANSITION.
- SEAL ALL PENETRATIONS OF PIPING AND CONDUIT THROUGH BUILDING ENVELOPE.

SPECIFIC NOTES

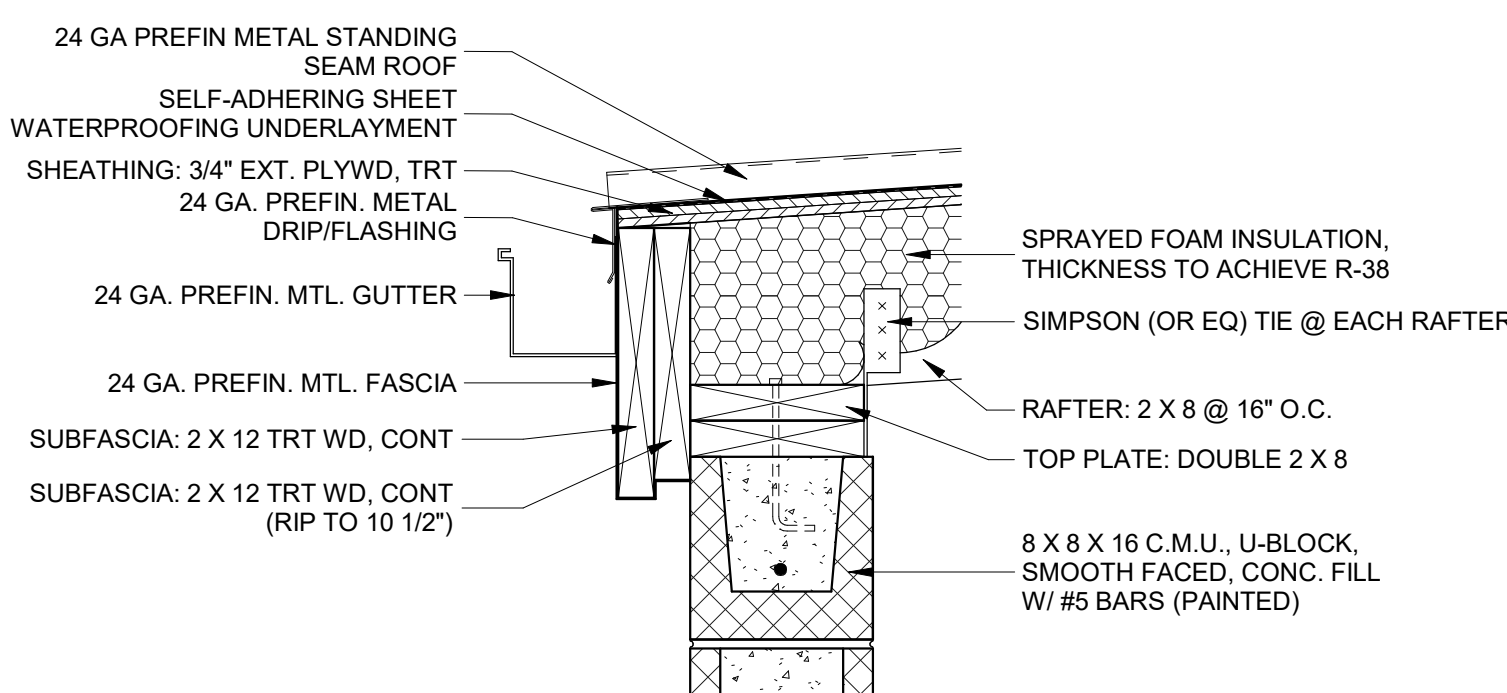
- 1 PAINTED RESTROOM SIGNAGE ON HINGE SIDE OF THE EXTERIOR SIDE OF DOOR. ARCHITECT TO PROVIDE FINAL IMAGES DURING SHOP DRAWING PROCESS. CONTRACTOR TO VERIFY EXACT COLOR AND SIZE DURING SHOP DRAWING PROCESS.
- 2 PREFINISHED METAL SOFFIT PANELS: PAC CLAD (1 1/2") REVEAL TYPE SOFFIT PANELS 7" O.C. COLOR TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF COLORS.
- 3 PRE-FINISHED EXPANDED MESH PANELS (RE: SPECIFICATIONS SHEET A900).
- 4 2 1/2" X 2 1/2" TUBE STEEL SUPPORT FRAMING. COORDINATE FINAL LOCATION OF TUBE STEEL SUPPORTS WITH MESH PANEL MANUFACTURERS REQUIRED CLIP LOCATIONS/LAYOUT. PRIME AND PAINT TUBE STEEL SUPPORTS.
- 5 ROOF PANEL END CLOSURES: TURN UP PANEL ENDS AND INSTALL Z-CLIP CLOSURES WITH SEALANT PER MANUFACTURERS RECOMMENDATIONS.
- 6 DBL 2x12 BOX BEAM, ATTACHED AT EACH END USING ADJUSTABLE TOP FLANGE BEAM HANGERS SIMILAR TO SIMPSON #THA CONNECTOR. BEND ADJUSTABLE FLANGES OVER TOP PLATES AND ANCHOR AS REQUIRED.
- 7 INSTALL FOAM CELL INSULATION @ ALL CMU CELLS NOT REQUIRED TO BE REINFORCED BY STRUCTURAL DRAWINGS. INSTALL ONLY @ EXTERIOR WALLS.



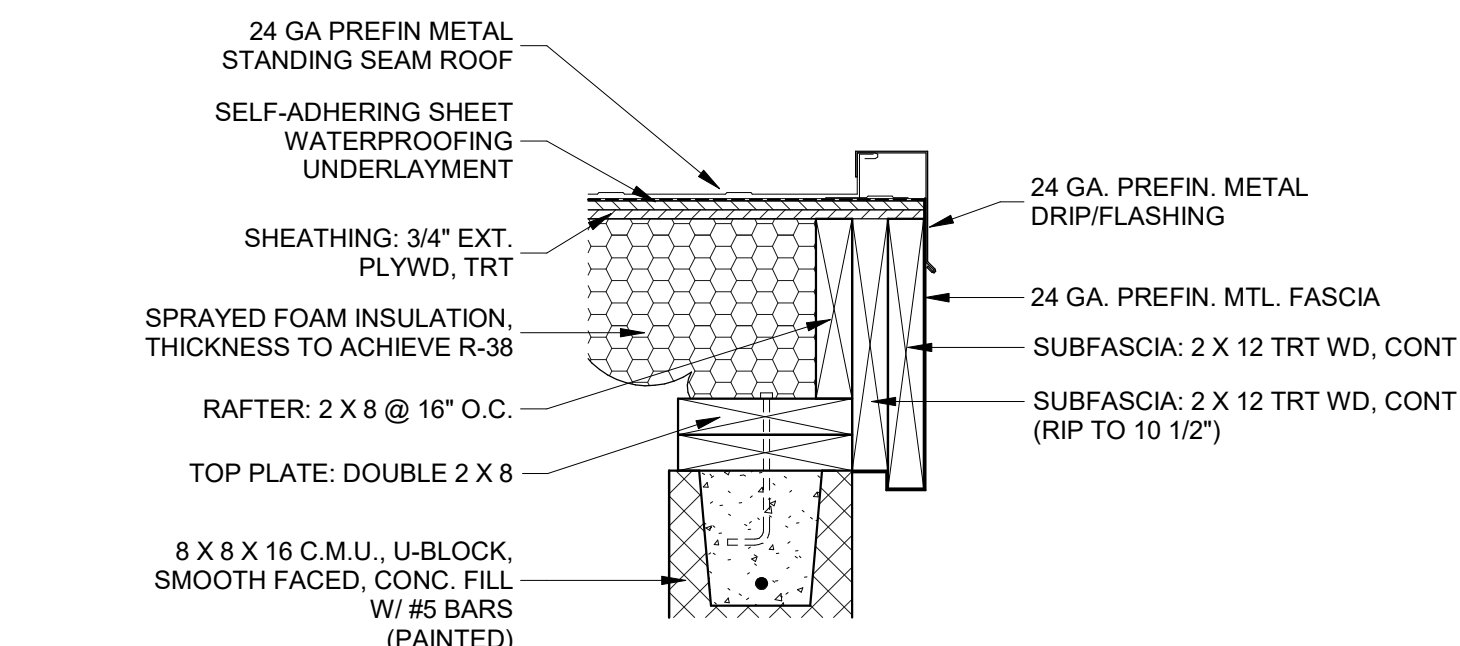
3 ROOF DETAIL
ALT 1 - RESTROOM BUILDING 1 1/2\"/>



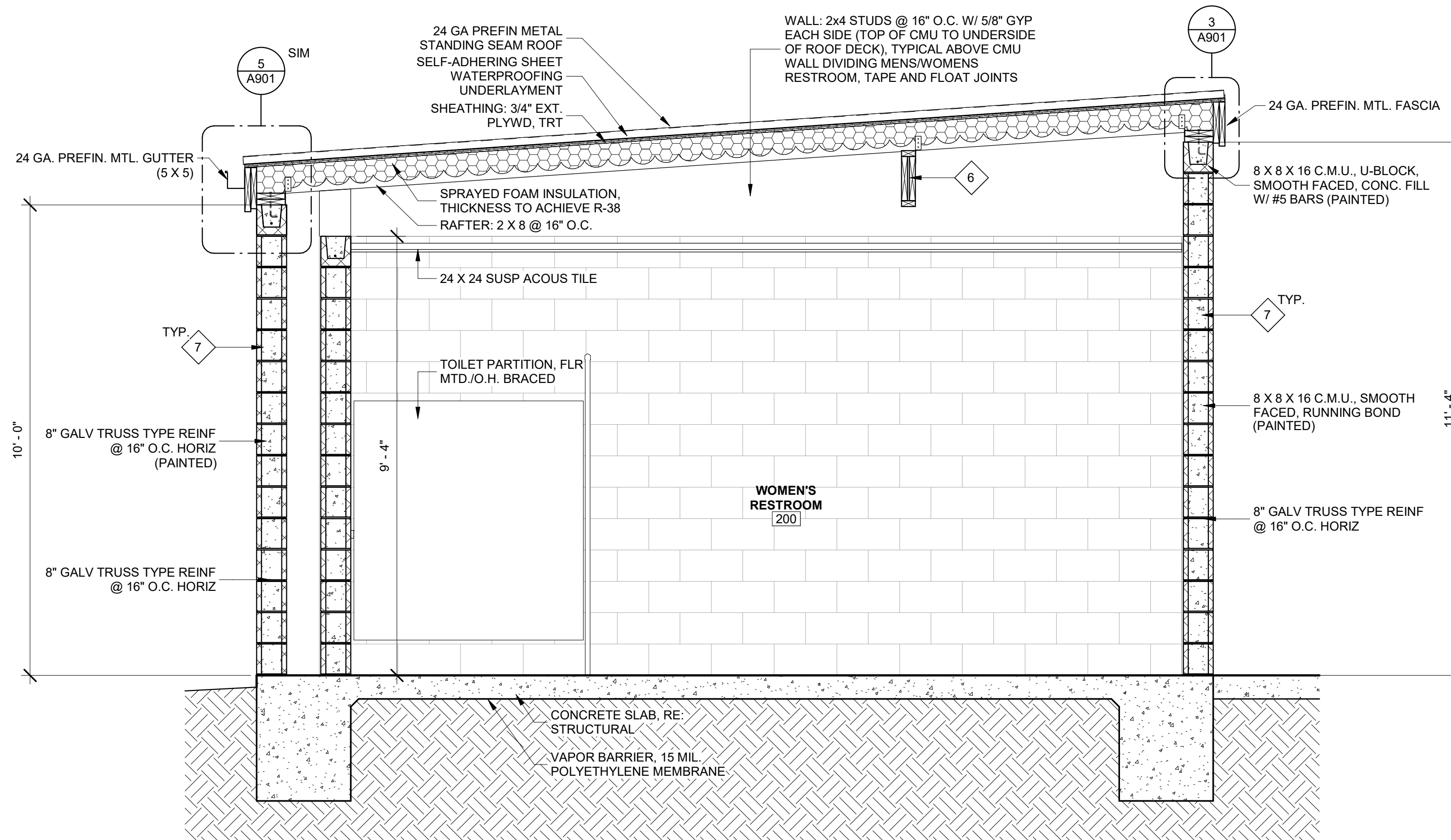
4 ROOF DETAIL
ALT 1 - RESTROOM BUILDING 1 1/2\"/>



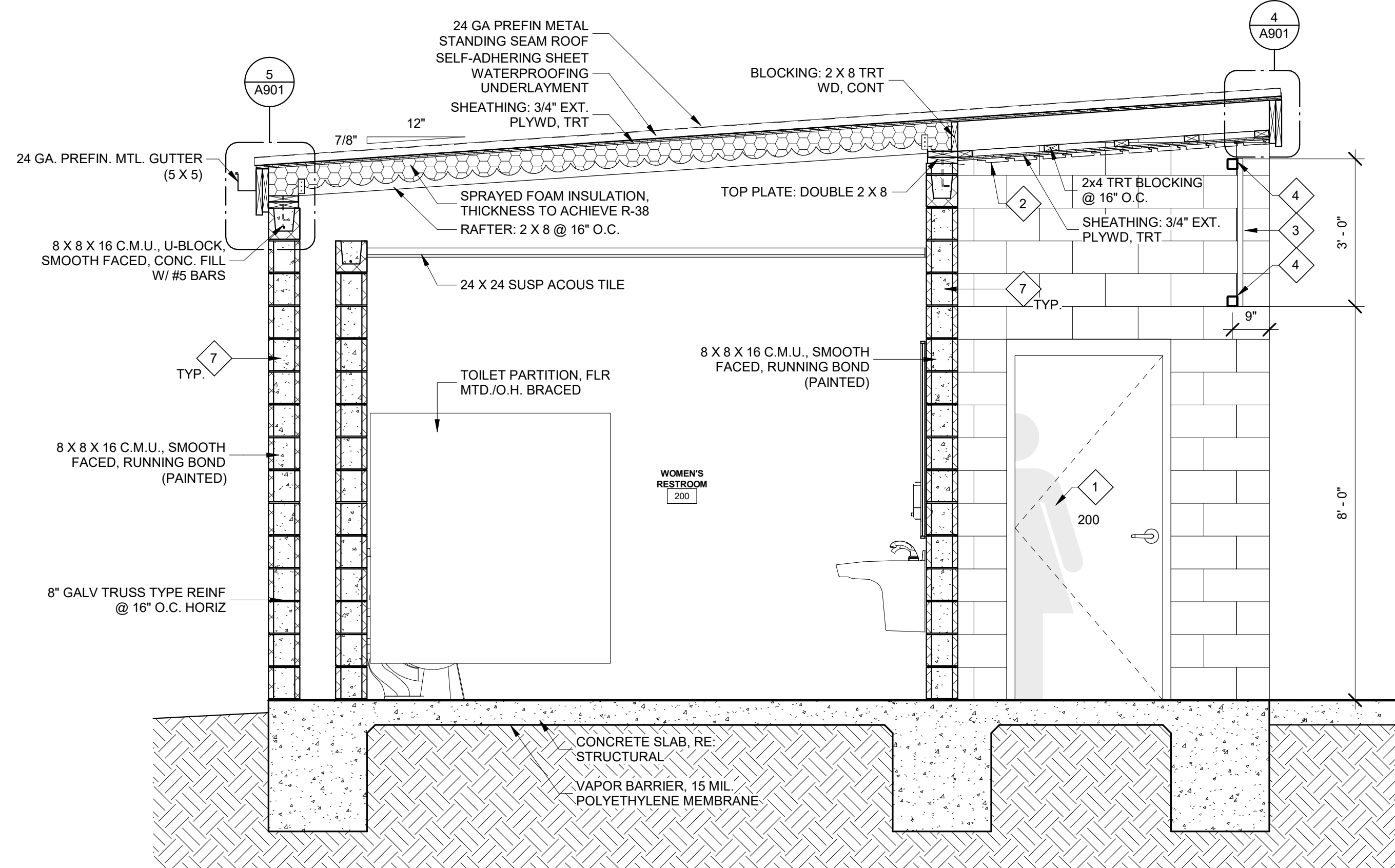
5 ROOF DETAIL
ALT 1 - RESTROOM BUILDING 1 1/2\"/>



6 ROOF DETAIL
ALT 1 - RESTROOM BUILDING 1 1/2\"/>

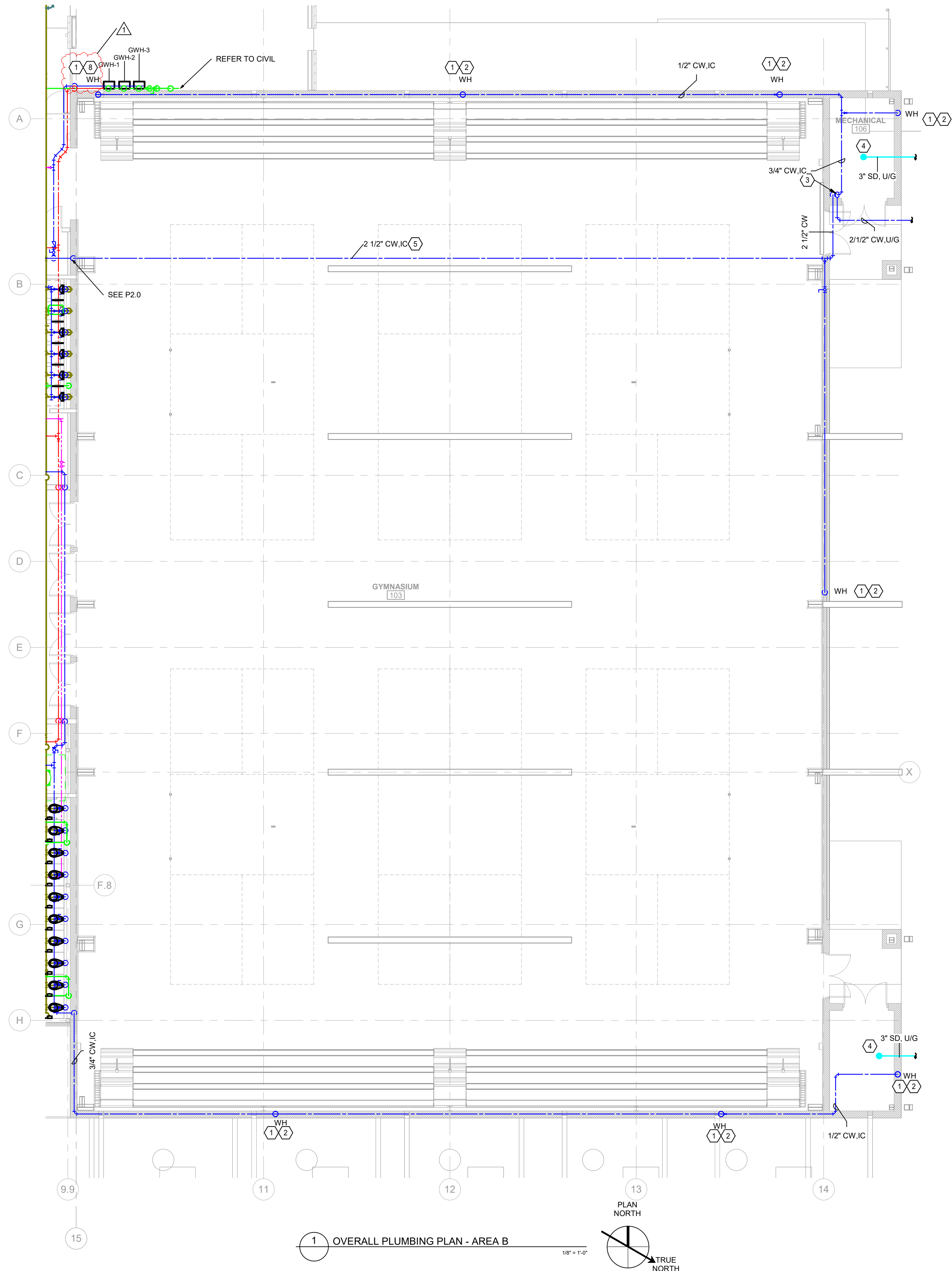


1 BUILDING SECTION
ALT 1 - RESTROOM BUILDING 1/2\"/>

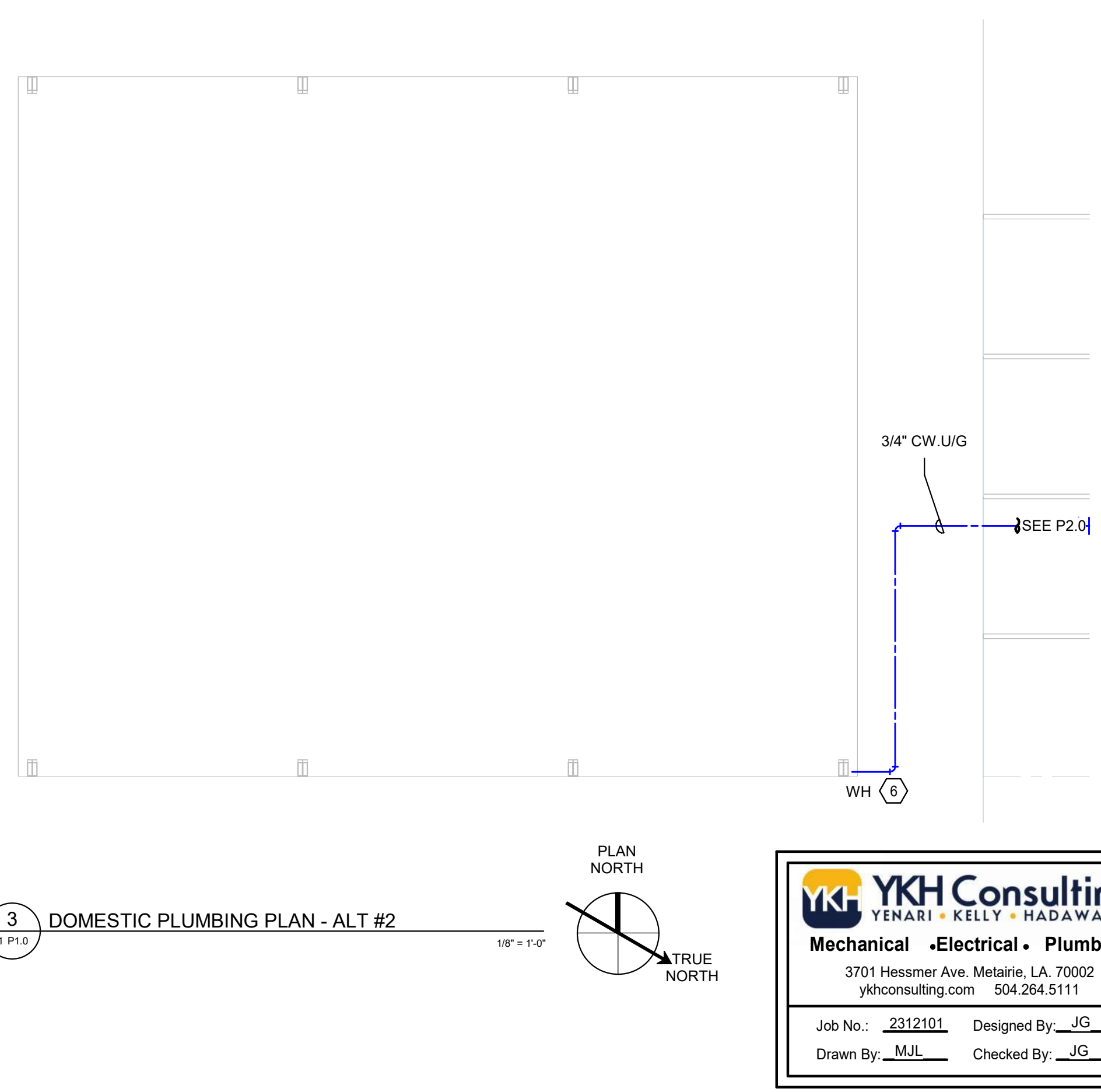
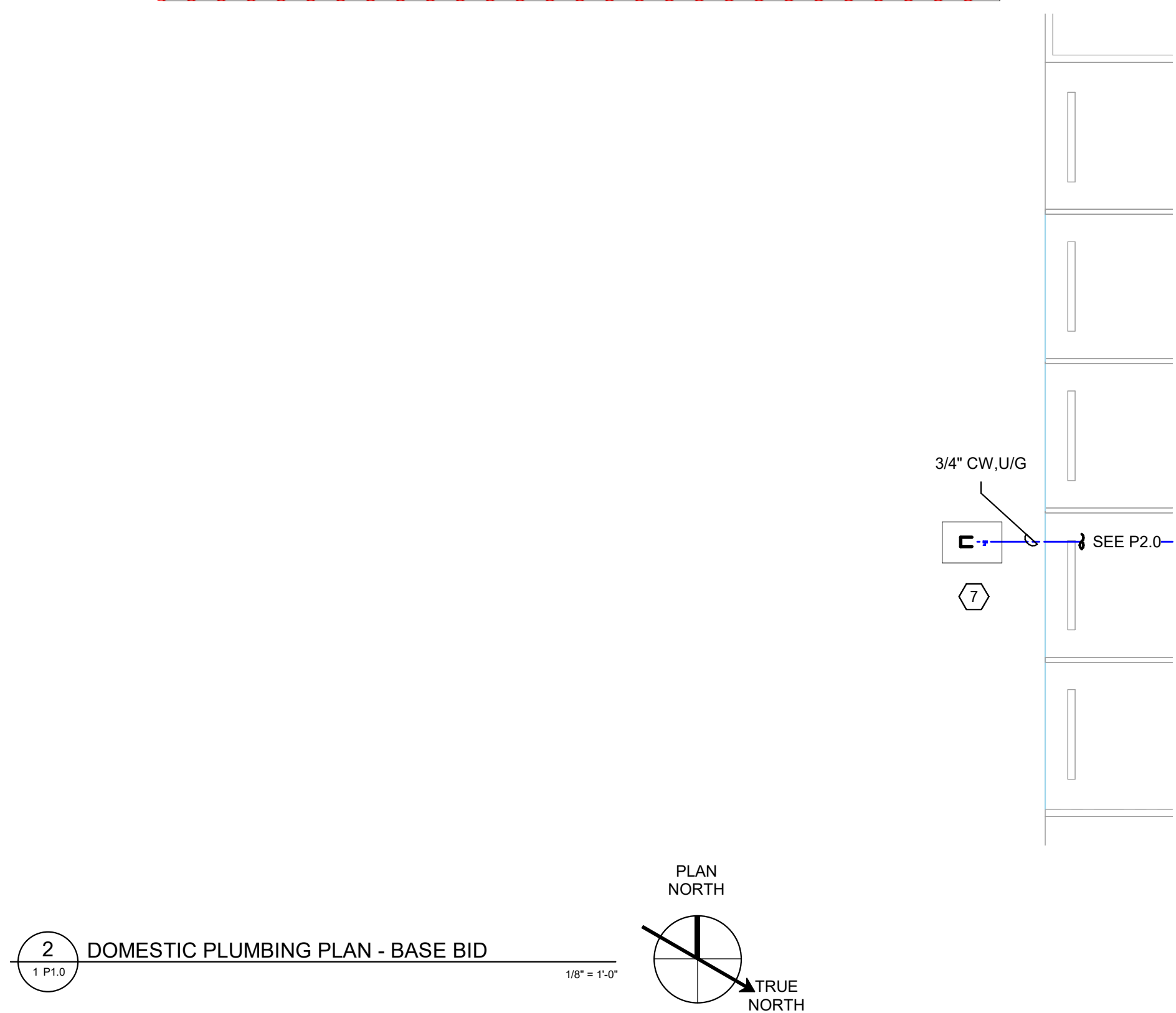


2 BUILDING SECTION
ALT 1 - RESTROOM BUILDING 1/2\"/>

7/22/2026 1:56:42 PM
Autodesk Docs/231185_St. James Parish/2312001-YKH-SIP-Senior+CommunityCenter_R21.rvt



- SPECIFIC NOTES**
- 1 RECESSED, FREEZE PROOF WALL HYDRANT WITH LOCKABLE COVER, AND QUARTER TURN VALVE. PROVIDE BRONZE FINISH. PROVIDE ISOLATION VALVE FOR HYDRANT IN GIRDER SPACE. INSTALL WALL HYDRANTS ABOUT 24\"/>
 - 2 ROUTE DOMESTIC COLD WATER MAIN FOR WALL HYDRANTS UP THROUGH CMU CORE TO METAL EXTERIOR WALL. ROUTE PIPING WITHIN GIRDER SPACE OF EXTERIOR WALL.
 - 3 2-1/2\"/>
 - 4 PROVIDE 2\"/>
 - 5 ROUTE DOMESTIC COLD WATER MAIN ALONGSIDE BEAM. ROUTE PIPING DOWN WALL AND ROUTE INTO ADJACENT CORRIDOR.
 - 6 FREEZE PROOF WALL HYDRANT WITH LOCKABLE COVER AND QUARTER TURN VALVE. PROVIDE BRONZE FINISH. REFER TO P2.0 FOR ISOLATION VALVE LOCATION.
 - 7 TERMINATE UNDERGROUND COLD WATER LINE FOR FUTURE WITH AN ISOLATION VALVE LOCATED IN A VALVE BOX WITH HEAVY TRAFFIC RATED COVER. CAP PIPING WITHIN VALVE BOX.
 - 8 WALL HYDRANT SHALL PROVIDE HOT AND COLD WATER. ROUTE DOMESTIC COLD WATER MAIN FOR WALL HYDRANT UP THROUGH CMU CORE TO METAL EXTERIOR WALL. ROUTE PIPING WITHIN GIRDER SPACE OF EXTERIOR WALL. ROUTE DOMESTIC HOT WATER PIPING FOR WALL HYDRANT FROM DOMESTIC WATER MAIN AT WATER HEATERS.



YKH Consulting
YENARI • KELLY • HADAWAY
Mechanical • Electrical • Plumbing
3701 Hessmer Ave. Metairie, LA. 70002
ykhconsulting.com 504.264.5111

Job No.: 2312101 Designed By: JG
Drawn By: MJL Checked By: JG

VACHERIE COMMUNITY & SPORTS COMPLEX
22120 CHAMPION STREET
VACHERIE, LA
ST. JAMES PARISH

DDG
314 E. BAYOU RD | THIBODAUX, LA
985.447.0090

STATE OF LOUISIANA
JOSEPH D. GARDON
License No. 43776
PROFESSIONAL ENGINEER
MECHANICAL ENGINEERING
06-16-26

PROJECT NO. 21-324
ISSUED FOR BIDDING
07/02/2026

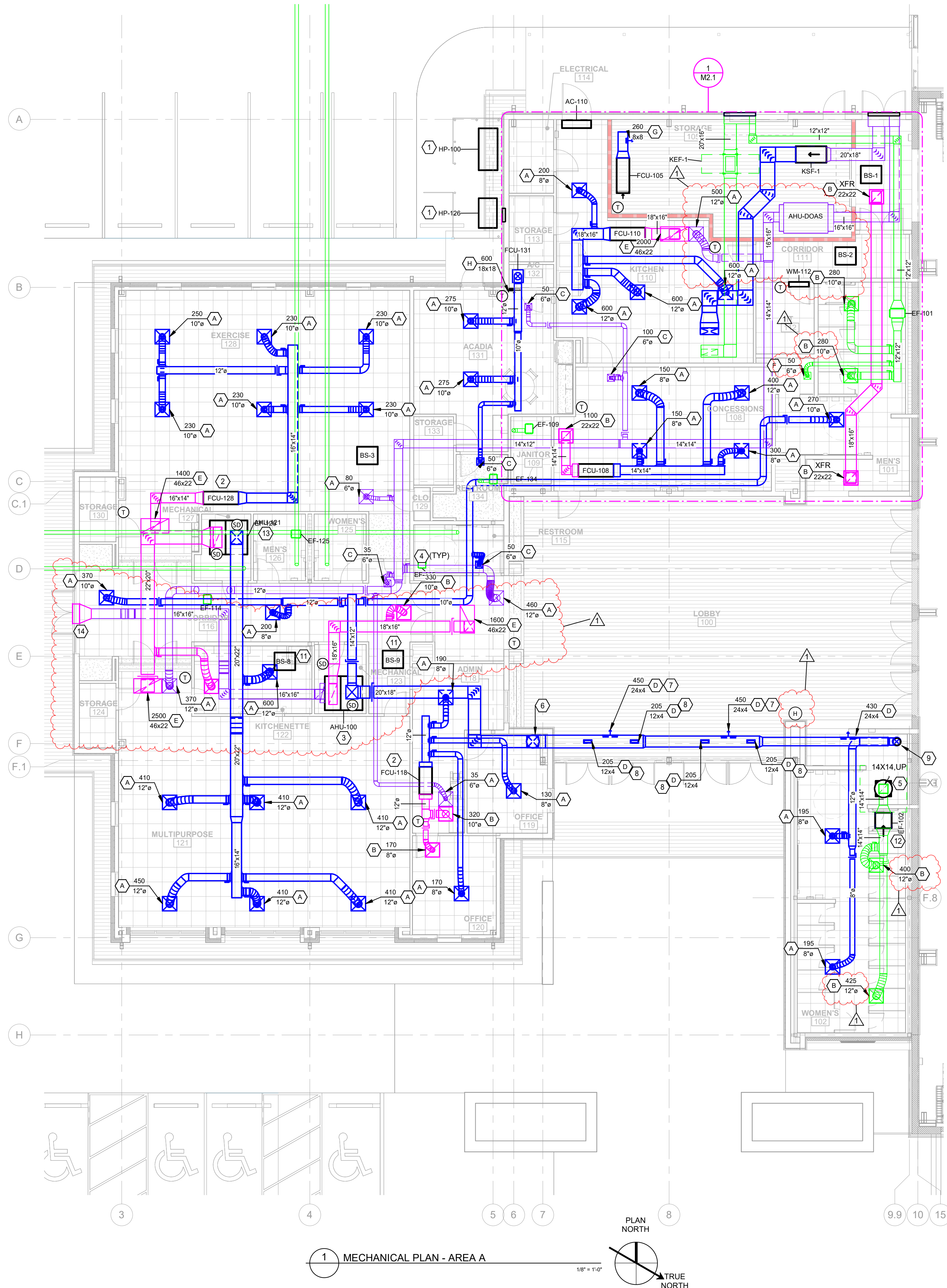
07/22/26 1 ADDENDUM-1

CHECKED JG
DRAWN BY MJL

OVERALL PLUMBING PLAN

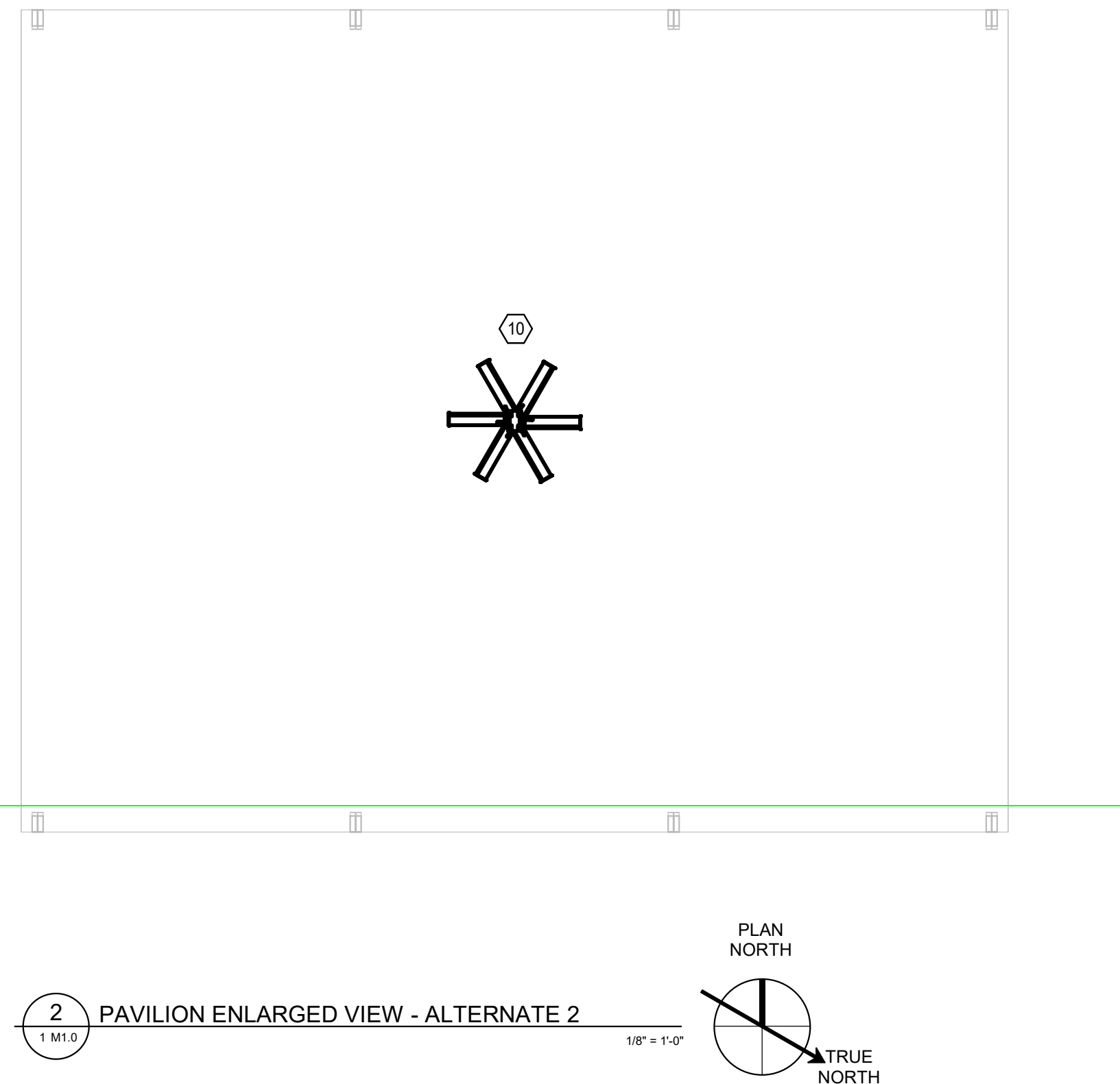
P3.0

7/22/2026 1:56:37 PM
Autodesk Docs/231185_St. James Parish/2312001-YKH-SIP-Senior+CommunityCenter_R21.rvt



SPECIFIC NOTES

- HEAT PUMP MOUNTED ON 4" CONCRETE PAD. PROVIDE MANUFACTURER RECOMMENDED SERVICE CLEARANCES. SIZE REFRIGERANT LINES WITH STRICT ADHERENCE TO MANUFACTURER GUIDELINES. APPLY WEATHERPROOF COATING TO ALL OUTDOOR REFRIGERANT INSULATION.
- HORIZONTAL FAN COIL UNIT SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATION HANGERS. MOUNT UNIT IN GALVANIZED DRAIN PAN WITH FLOAT SWITCH. PROVIDE MANUFACTURER RECOMMENDED SERVICE CLEARANCE FOR EQUIPMENT. PIPE 3/4". INSULATED CONDENSATE DRAIN LINE TO NEAREST INDIRECT WASTE LINE AND TERMINATE WITH AN AIR GAP.
- AIR HANDLING UNIT MOUNTED ON 4" CONCRETE PAD WITH 1/2" RUBBER, WAFFLE VIBRATION ISOLATION PADS. MOUNT UNIT IN GALVANIZED DRAIN PAN WITH FLOAT SWITCH. PROVIDE MANUFACTURER RECOMMENDED SERVICE CLEARANCE FOR EQUIPMENT. FIELD LOCATE EXTERNAL ELECTRONIC EXPANSION VALVES. PIPE 3/4". INSULATED CONDENSATE DRAIN LINE TO NEAREST INDIRECT WASTE LINE AND TERMINATE WITH AN AIR GAP.
- CEILING MOUNTED EXHAUST FAN SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATION HANGERS. SPEED CONTROL FOR FAN SHALL BE ACCESSIBLE ABOVE CEILING.
- SPUN ALUMINUM GRAVITY RELIEF VENTILATOR WITH FACTORY INSULATED ROOF CURB (GREENHECK MODEL GRSR-16 OR EQUAL). PROVIDE INSECT SCREEN AND MAXIMUM AIR PRESSURE LOST OF .1" AT 1200 CFM. TRANSITION DUCT AS REQUIRED TO FIT VENTILATOR THROAT.
- TRANSITION FROM SINGLE WALL DUCT TO DOUBLE WALL SPIRAL DUCT. COORDINATE WITH ARCHITECT FOR DOUBLE WALL FINISH.
- MOUNT SIDE WALL GRILLE AT 25 DEGREE ANGLE.
- MOUNT SIDE WALL GRILLE FACING DOWN TOWARD FLOOR.
- TRANSITION FROM DOUBLE WALL SPIRAL DUCT TO SINGLE WALL DUCT IN CEILING.
- HIGH-VOLUME, LOW VELOCITY CEILING MOUNTED FAN SUSPENDED FROM STRUCTURE ABOVE. FAN MANUAL START/STOP AND SPEED CONTROL MOUNTED ON NEARBY COLUMN. CONFIRM EXACT LOCATION IN FIELD.
- BRANCH SELECTOR UNIT MOUNTED ON WALL. REFER TO MANUFACTURER GUIDELINES FOR SIZING AND CONNECTION REQUIREMENTS. PROVIDE MANUFACTURER REQUIRED SERVICE CLEARANCE. IF REQUIRED, ROUTE CONDENSATE DRAIN LINE TO NEAREST INDIRECT WASTE AND TERMINATE WITH AN AIR GAP.
- INLINE EXHAUST FAN SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATION HANGERS. SPEED CONTROL FOR FAN SHALL BE ACCESSIBLE ABOVE CEILING.
- AIR HANDLING UNIT MOUNTED ON 12" HIGH WOODEN PLATFORM WITH PLYWOOD DECK. MOUNT UNIT IN GALVANIZED DRAIN PAN WITH FLOAT SWITCH AND 1/2" RUBBER, WAFFLE VIBRATION ISOLATION PADS. PROVIDE MANUFACTURER RECOMMENDED SERVICE CLEARANCE FOR EQUIPMENT. FIELD LOCATE EXTERNAL ELECTRONIC EXPANSION VALVES. PIPE 3/4". INSULATED CONDENSATE DRAIN LINE TO NEAREST INDIRECT WASTE LINE AND TERMINATE WITH AN AIR GAP.
- 34x20 EXHAUST AIR LOUVER SIZED FOR 1500 CFM @ .1 INWG MAX PRESSURE DROP. LOUVER SHALL BE MIAMI-DADE RATED WITH AN AMCA 540 CERTIFICATION (GREENHECK MODEL EVH-501D OR EQUAL). COORDINATE FINISH WITH ARCHITECT. MOUNT BOTTOM OF LOUVER 14" AFG.



VACHERIE COMMUNITY & SPORTS COMPLEX
22120 CHAMPION STREET
VACHERIE, LA
ST. JAMES PARISH



314 E. BAYOU RD | THIBODAUX, LA
985.447.0090



PROJECT NO. 21-324

ISSUED FOR BIDDING
07/02/2026

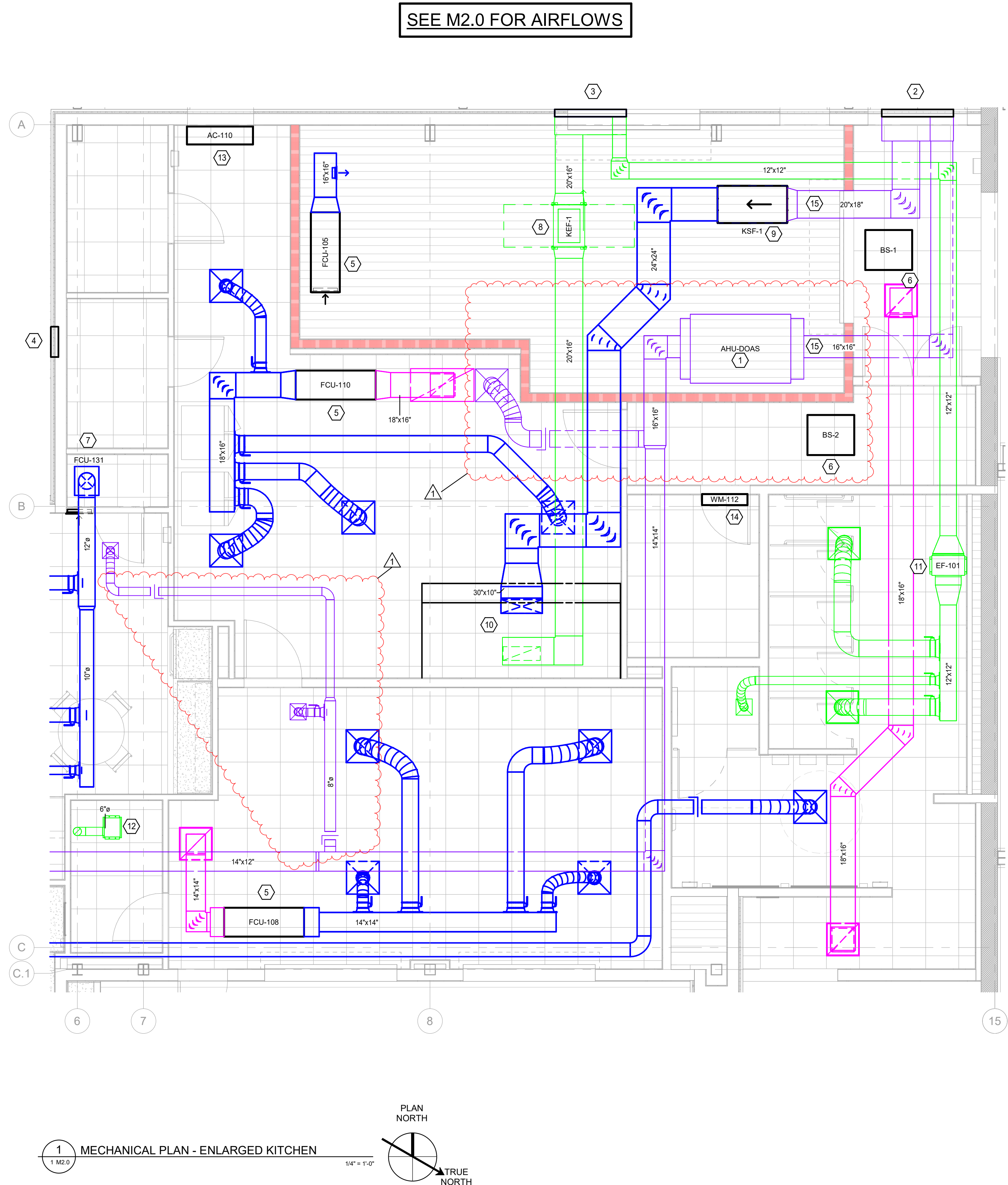
07/22/26 1 ADDENDUM-1

CHECKED JG
DRAWN BY ML

MECHANICAL PLAN

M2.0

7/22/2026 1:56:39 PM
Autodesk Docs\\231185_St. James Parish\\2312001-YKH-SJP-Senior+CommunityCenter_R21.rvt



SPECIFIC NOTES

- HORIZONTAL DEDICATED OUTSIDE AIR UNIT SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATION HANGERS. MOUNT UNIT IN GALVANIZED DRAIN PAN WITH FLOAT SWITCH. PROVIDE MANUFACTURER RECOMMENDED SERVICE CLEARANCE FOR EQUIPMENT. FIELD LOCATE ALL EXTERNAL, ELECTRONIC EXPANSION VALVES. PIPE 3/4", INSULATED CONDENSATE DRAIN LINE TO NEAREST INDIRECT WASTE LINE AND TERMINATE WITH AN AIR GAP. PROVIDE A DUCT MOUNTED TEMPERATURE SENSOR ON THE DISCHARGE AIR TO MAINTAIN A CONSTANT 68 DEG F.
- 52x36 OUTSIDE AIR LOUVER SIZED FOR 3650 CFM @ .1 INWG MAX PRESSURE DROP. LOUVER SHALL BE MIAMI-DADE RATED WITH AN AMCA 540 CERTIFICATION (GREENHECK MODEL EVH-501D OR EQUAL). COORDINATE FINISH WITH ARCHITECT. PROVIDE (2) PLENUMS BEHIND LOUVER. 36x36 PLENUM SHALL SERVE KITCHEN HOOD EXHAUST AND 17x36 PLENUM SHALL SERVE GENERAL EXHAUST.
- 52x36 EXHAUST AIR LOUVER SIZED FOR 4000 CFM @ .1 INWG MAX PRESSURE DROP. LOUVER SHALL BE MIAMI-DADE RATED WITH AN AMCA 540 CERTIFICATION (GREENHECK MODEL EVH-501D OR EQUAL). COORDINATE FINISH WITH ARCHITECT. PROVIDE (2) PLENUMS BEHIND LOUVER. 40x36 PLENUM SHALL SERVE KITCHEN HOOD EXHAUST AND 12x36 PLENUM SHALL SERVE GENERAL EXHAUST.
- 22x14 EXHAUST AIR LOUVER SIZED FOR 425 CFM @ .1 INWG MAX PRESSURE DROP. LOUVER SHALL BE MIAMI-DADE RATED WITH AN AMCA 540 CERTIFICATION (GREENHECK MODEL EVH-501D OR EQUAL). COORDINATE FINISH WITH ARCHITECT.
- HORIZONTAL FAN COIL UNIT SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATION HANGERS. MOUNT UNIT IN GALVANIZED DRAIN PAN WITH FLOAT SWITCH. PROVIDE MANUFACTURER RECOMMENDED SERVICE CLEARANCE FOR EQUIPMENT. PIPE 3/4", INSULATED CONDENSATE DRAIN LINE TO NEAREST INDIRECT WASTE LINE AND TERMINATE WITH AN AIR GAP.
- BRANCH SELECTOR UNIT SUSPENDED ABOVE THE CEILING WITH A VIBRATION ISOLATION HANGERS. PROVIDE MANUFACTURER RECOMMENDED SERVICE CLEARANCE. IF REQUIRED, ROUTE CONDENSATE DRAIN LINE TO NEAREST INDIRECT WASTE AND TERMINATE WITH AN AIR GAP.
- VERTICAL, FAN COIL UNIT MOUNTED ON ANGLE IRON STAND WITH 1/2" RUBBER VIBRATION ISOLATION PADS. MOUNT UNIT IN GALVANIZED DRAIN PAN WITH FLOAT SWITCH. PROVIDE MANUFACTURER RECOMMENDED SERVICE CLEARANCE FOR EQUIPMENT. MOUNT ASSOCIATED RETURN GRILLE WITH FILTER 8" AFF. PIPE 3/4", INSULATED CONDENSATE DRAIN LINE TO NEAREST INDIRECT WASTE LINE AND TERMINATE WITH AN AIR GAP.
- INLINE KITCHEN EXHAUST FAN SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATION HANGERS. PROVIDE MANUFACTURER RECOMMENDED SERVICE CLEARANCE. TRANSITIONS ON THE SUCTION AND DISCHARGE SIDE OF THE FAN SHALL BE FREE OF LOW POINTS. FAN START/STOP SHALL BE CONTROLLED BY THE ASSOCIATED KITCHEN HOOD.
- INLINE KITCHEN SUPPLY FAN WITH ALUMINUM FILTER RACK SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATION HANGERS. PROVIDE MANUFACTURER SERVICE CLEARANCE. FAN START/STOP SHALL BE CONTROLLED BY THE ASSOCIATED KITCHEN HOOD.
- KITCHEN HOOD WITH ANSUL SYSTEM BY FOOD SERVICE VENDOR. REFER TO FOOD SERVICE PLANS FOR REQUIREMENTS. INSULATE ASSOCIATED KITCHEN EXHAUST DUCT WITH 1.5 HR FIRE WRAP.
- INLINE EXHAUST FAN SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATION HANGERS. SPEED CONTROL FOR FAN SHALL BE ACCESSIBLE ABOVE CEILING.
- CEILING MOUNTED EXHAUST FAN SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATION HANGERS. SPEED CONTROL FOR FAN SHALL BE ACCESSIBLE ABOVE CEILING.
- 4" AIR CURTAIN MOUNTED ABOVE DOOR INSTALLED PER MANUFACTURER REQUIREMENTS. INTERLOCK START/STOP WITH DOOR CONTROLS.
- WALL MOUNTED MINI-SPLIT. MOUNT ACCORDING TO MANUFACTURER REQUIREMENTS. ROUTE CONDENSATE DRAIN LINE TO NEAREST INDIRECT WASTE AND TERMINATE WITH AN AIR GAP.
- GRAVITY, LOW-LEAKAGE BACKDRAFT DAMPER ON OUTSIDE AIR DUCT. BACKDRAFT DAMPER SHALL BE ACCESSIBLE IN CEILING WITH DUCT ACCESS PANEL.

VACHERIE COMMUNITY & SPORTS COMPLEX
22120 CHAMPION STREET
VACHERIE, LA
ST. JAMES PARISH



314 E. BAYOU RD | THIBODAUX, LA
985.447.0090



PROJECT NO. 21-324

ISSUED FOR BIDDING
07/02/2026

07/22/26 1 ADDENDUM-1

CHECKED JG
DRAWN BY ML

MECHANICAL ENLARGED PLAN

M2.1



Job No.: 2312101 Designed By: JG
Drawn By: ML Checked By: JG

7/22/2026 1:36:40 PM
Autodesk Docs/231185_St_James Parish/2312001-YKH-SJP-Senior+CommunityCenter_R21.rvt

AIR HANDLING UNIT SCHEDULE																							
TAG	SERVICE	TOTAL AIR FLOW (CFM)	O/A FLOW (CFM)	FAN			D/X COOLING				D/X HEATING				HOT GAS REHEAT			ELECTRICAL	WEIGHT (LBS.)	MODEL:	NOTES:		
				KW	ESP (INWG)	FEI	EAT DB/WB (DEG F)	LAT DB/WB (DEG F)	TOTAL (MBTUH)	CONTROL STAGES	EAT DB (DEG F)	LAT DB (DEG F)	TOTAL (MBTUH)	CONTROL STAGES	EAT/LAT DB (DEG F)	TOTAL (MBTUH)	CONTROL STAGES						
AHU-100	LOBBY	3,430	1,500	3.3	0.50	1.56	85.9/72.6	55/54	218	MOD	50	85	130	MOD	55/70	57	MOD	460/3/60	6.8	15	1,016	OXYGEN8 MODEL TV_B_040	1-4
AHU-106	GYM	6,700	1,250	6.6	0.50	1.42	78.7/66.1	55/54	274	MOD	60	85	183	MOD	55/70	138	MOD	460/3/60	12.2	15	1,341	OXYGEN8 MODEL TV_B_072	1-4
AHU-107	GYM	6,700	1,250	6.6	0.50	1.42	78.7/66.1	55/54	274	MOD	60	85	183	MOD	55/70	138	MOD	460/3/60	12.2	15	1,341	OXYGEN8 MODEL TV_B_072	1-4
AHU-121	MULTIPURPOSE	3,000	0	3.7	0.50	1.38	75/62.5	55/54	85	MOD	70	85	50	MOD	N/A	N/A	N/A	460/3/60	7.2	15	1,341	OXYGEN8 MODEL TV_B_032	1-4

- NOTES:
1. PROVIDE SINGLE POINT POWER CONNECTION.
 2. PRESSURES DO NOT REFLECT INTERNAL LOADING SUCH AS COILS, FILTERS, ETC. FANS SHALL BE SIZED TO ACCOMMODATE INTERNAL COMPONENTS. CALCULATIONS SHALL ASSUME ALL FILTERS ARE FULLY-LOADED.
 3. ASSOCIATED HEAT PUMP MUST BE ABLE TO PRODUCE THE TOTAL D/X HEATING CAPACITY INDICATED AT AN OUTDOOR TEMPERATURE OF 25 DEGREES F.
 4. MANUFACTURER SHALL PROVIDE ALL NECESSARY CONTROLS, BRANCH SELECTOR UNITS, EXPANSION VALVES, AND OTHER ACCESSORIES AS REQUIRED TO DELIVER REQUIRED CAPACITY AND SEQUENCE OF OPERATIONS.

HEAT PUMP														
TAG	SERVICE	REFRIG.	COOLING CAPACITY (MBUTH)	AMBIENT AIR TEMP (DEG F)	EFFICIENCY RATING	HEATING CAPACITY (MBUTH)	AMBIENT AIR TEMP (DEG F)	EFFICIENCY RATING	ELECTRICAL			WEIGHT (LBS.)	MODEL:	NOTES:
									V/PHRZ	MCA	MOP			
HP-100	AHU-100	R-32	238	95	11.9 EER & 21.7 EER	270.0	47.0	3.3 COP	460/3/60	33.4	40	972	DAKN MODEL RXYA240AAVDA	1,2
HP-106A	AHU-106	R-32	144	95	11.0 EER & 19.6 EER	162.0	47.0	3.35 COP	460/3/60	23.3	30	840	DAKN MODEL RXYA288AAVDA	1,2
HP-106B	AHU-106	R-32	144	95	11.0 EER & 19.6 EER	162.0	47.0	3.35 COP	460/3/60	23.3	30	840	DAKN MODEL RXYA288AAVDA	1,2
HP-107A	AHU-107	R-32	144	95	11.0 EER & 19.6 EER	162.0	47.0	3.35 COP	208/1/60	23.3	30	840	DAKN MODEL RXYA288AAVDA	1,2
HP-107B	AHU-107	R-32	144	95	11.0 EER & 19.6 EER	162.0	47.0	3.35 COP	208/1/60	23.3	30	840	DAKN MODEL RXYA288AAVDA	1,2
HP-121	AHU-121	R-32	96	95	12.0 EER & 20.8 EER	108.0	47.0	3.40 COP	460/3/60	17.5	20	752	DAKN MODEL RXYA96AAVDA	1,2

- NOTES:
1. PROVIDE SINGLE POINT POWER CONNECTION.
 2. PROVIDE LOW AMBIENT KIT.

VRV SCHEDULE															
OUTDOOR UNIT															
TAG	SERVICE	REFRIG.	COOLING CAPACITY (MBUTH)	AMBIENT AIR TEMP (DEG F)	HEATING CAPACITY (MBUTH)	AMBIENT AIR TEMP (DEG F)	ELECTRICAL			WEIGHT (LBS)	EER/EER	COP	MODEL:	NOTES:	
HP-A	AREA A	R-32	216	95	243.0	45.0	V/PHHZ	MCA	MOP	40	1025	11/18.7	3.35	DAKN MODEL REYA216AAVDA	1.5
INDOOR UNIT															
TAG	AIRFLOW (CFM)	FAN SPEED SETTING	HP	TOTAL CAPACITY		SOUND (DBA)	ELECTRICAL			WEIGHT (LBS)	MODELS:		BRANCH SELECTOR UNIT (BS)	NOTES:	
				COOLING (MBTUH)	HEATING (MBTUH)		V/PHHZ	MCA	MOP						
FCU-105	280	LOW	0.5	12	13.5	36	208/1/60	4.9	15	115	DAKN MODEL FXTA12ABVJUD	BS-2	1-4		
FCU-108	1100	HIGH	0.5	36	40	52	208/1/60	4.9	15	116	DAKN MODEL FXTA36ABVJUD	BS-2	1-4		
FCU-110	2000	HIGH	1	60	66	50	208/1/60	8.6	15	164	DAKN MODEL FXTA60ABVJUD	BS-2	1-4		
WM-112	400	HIGH	28W	12	13.5	39	208/1/60	0.4	15	N/A	DAKN MODEL FXAA12AAVJU	BS-2	1-4		
FCU-118	490	MED	0.5	18	20	45	208/1/60	4.9	15	118	DAKN MODEL FXTA18ABVJUD	BS-2	1-4		
FCU-128	1400	HIGH	.75	48	54	54	208/1/60	6.5	15	147	DAKN MODEL FXTA48ABVJUD	BS-2	1-4		
FCU-131	600	HIGH	.5	18	20	45	208/1/60	4.9	15	118	DAKN MODEL FXTA18ABVJUD	BS-2	1-4		

- NOTES:
1. PROVIDE SINGLE POINT POWER CONNECTION.
 2. PROVIDE CONDENSATE DRAIN PUMP AND AIR FILTER.
 3. PROVIDE WIRED THERMOSTAT WITH BACNET INTERFACE. REMOTE CONTROL SHALL NOT BE ACCEPTABLE.
 4. PROVIDE BRANCH SELECTOR UNIT (BSU) CAPABLE OF SIMULTANEOUSLY HEATING AND COOLING OF CONNECTED ZONES. POWER ACCORDING TO MANUFACTURER REQUIREMENTS.
 5. PROVIDE LOW-AMBIENT KIT.

D/X SPLIT DEDICATED OUTSIDE AIR UNIT SCHEDULE

TAG	SERVICE	TOTAL AIR FLOW (CFM)	O/A FLOW (CFM)	FAN			D/X COOLING				D/X HEATING			HOT GAS REHEAT			ELECTRICAL	WEIGHT (LBS.)	MODEL:	NOTES:		
				KW	INP (W/G)	FEI	EAT DB/WB (DEG F)	LAT DB/WB (DEG F)	TOTAL (MBTUH)	CONTROL	EAT DB (DEG F)	LAT DB (DEG F)	TOTAL (MBTUH)	EAT DB (DEG F)	LAT DB (DEG F)	TOTAL (MBTUH)						
AHU-DOAS	AREA A DOAS	1,600	1,600	2.5	0.75	1.87	95/80	55/54	152	MOD	30	72	95	55	70	27	208/1/60	5	15	675	OXYGEN8 MODEL TR_C_018	1-4

- NOTES:
1. PROVIDE SINGLE POINT POWER CONNECTION.
 2. PRESSURES DO NOT REFLECT INTERNAL LOADING SUCH AS COILS, FILTERS, ETC. FANS SHALL BE SIZED TO ACCOMMODATE INTERNAL COMPONENTS. CALCULATIONS SHALL ASSUME ALL FILTERS ARE FULLY-LOADED.
 3. DOAS CONTROL SHALL FULLY CONDITION OUTSIDE AIR AND REHEAT TO NEUTRAL TEMPERATURE. DOAS D/X STAGING CONTROLS SHALL RESPOND TO ENTERING AIR DEWPOINT.
 4. MANUFACTURER SHALL PROVIDE ALL NECESSARY CONTROLS, BRANCH SELECTOR UNITS, EXPANSION VALVES, AND OTHER ACCESSORIES AS REQUIRED TO DELIVER REQUIRED CAPACITY AND SEQUENCE OF OPERATIONS.

DOAS HEAT PUMP

TAG	SERVICE	REFRIG.	COOLING CAPACITY (MBUTH)	AMBIENT AIR TEMP (DEG F)	EER	HEATING CAPACITY (MBUTH)	AMBIENT AIR TEMP (DEG F)	COP	ELECTRICAL			WEIGHT (LBS.)	MODEL:	NOTES:
									V/PHHZ	MCA	MOP			
HP-DOAS	AHU-DOAS	R-32	168	95	11	189.0	47.0	3.3 COP	460/3/60	24.9	30	752	DAKN MODEL REYA168AAVDA	1,2

- NOTES:
1. PROVIDE SINGLE POINT POWER CONNECTION.
 2. PROVIDE LOW-AMBIENT KIT.

ELECTRIC UNIT HEATERS

TAG	SERVICE	AIRFLOW CFM	HEATING CAPACITY					INDEECO MODEL:	NOTES:
			KW	MBTUH OUTPUT	TEMP. RISE (DEG F)	ELECTRICAL V/PH	AMPS		
EH-106	MECH ROOM 106	350	3.3	11.26	27	277V/1PH	12.2	UHR-240-U1033N	1, 2
EH-107	MECH ROOM 107	350	3.3	11.26	27	277V/1PH	12.2	UHR-240-U1033N	1, 2

- NOTES:
1. PROVIDE DISCONNECT SWITCH, SUMMER FAN SWITCH, UNIT MOUNTED T-STAT, AND 24V CONTROLS.
 2. HEATER TO BE HORIZONTAL OR VERTICAL MOUNT. PROVIDE WITH HORIZONTAL MOUNTING BRACKET AND FAN GUARD.

FAN SCHEDULE

TAG	TYPE	SERVICE	FAN						CONTROL	ELECTRICAL	MODEL:	NOTES:
			TOTAL CFM	HP	ESP (INWG)	FEI	MAX RPM	SONES		V/PH/Hz		
KEF-1	INLINE	HOOD	3025	2	2	1.21	2483	13	HOOD	460/3/60	GREENEHCK MODEL QEI-16	1,4
KSF-1	INLINE	HOOD	2420	2	1	1.51	1800	11.8	HOOD	208/1/60	GREENHECK MODEL SQ-16-M2-VG	1,5
EF-101	INLINE	RESTROOM	680	150W	0.5	N/A	1750	2.1	LIGHT	120/1/60	GREENHECK MODEL CSP-A700-VG	1,3
EF-102	INLINE	RESTROOM	825	200W	0.5	N/A	1750	2.4	LIGHT	120/1/60	GREENHECK MODEL CSP-A1050-VG	1,6
EF-109	CEILING	JANITOR	50	80W	0.5	N/A	950	1.5	LIGHT	120/1/60	GREENHECK MODEL SP-B110	1,3
EF-114	CEILING	JANITOR	50	80W	0.5	N/A	950	1.5	LIGHT	120/1/60	GREENHECK MODEL SP-B110	1,3
EF-115	CEILING	RESTROOM	75	80W	0.5	N/A	950	1.5	TIMER SWITCH	120/1/60	GREENHECK MODEL SP-B110	1,3
EF-125	CEILING	RESTROOM	75	80W	0.5	N/A	950	1.5	TIMER SWITCH	120/1/60	GREENHECK MODEL SP-B110	1,3
EF-126	CEILING	RESTROOM	75	80W	0.5	N/A	950	1.5	TIMER SWITCH	120/1/60	GREENHECK MODEL SP-B110	1,3
EF-134	CEILING	RESTROOM	75	80W	0.5	N/A	950	1.5	TIMER SWITCH	120/1/60	GREENHECK MODEL SP-B110	1,3

- NOTES:
1. PROVIDE SINGLE POINT POWER CONNECTION.
 2. PROVIDE FACTORY INSULATED ROOF CURB (HIGH WIND RATED), SPEED CONTROLLER, EXTERIOR MOUNTED DISCONNECT (FACTORY), BACKDRAFT DAMPER, AND BIRDSCREEN.
 3. PROVIDE SPEED CONTROLLER, PLASTIC GRILLE, AND BACKDRAFT DAMPER. PROVIDE CONTROL DEVICE INDICATED.
 4. FAN SHALL BE LISTED UNDER UL 705 FOR RESTAURANT EXHAUST. PROVIDE BELT GUARD, MOTOR COVER, BELT TUBE, AND VIBRATION ISOLATION HANGERS. FAN SHALL BE BELT-DRIVEN.
 5. PROVIDE BACKDRAFT DAMPER, SPEED CONTROLLER, INSULATED HOUSING, WASHABLE ALUMINUM FILTERS, AND VIBRATION ISOLATION HANGERS.
 6. PROVIDE BACKDRAFT DAMPER, SPEED CONTROLLER, AND VIBRATION ISOLATION HANGERS

BIPOLAR IONIZATION SYSTEMS

EQUIPMENT TYPE	AIRFLOW (CFM)	ELECTRICAL		QUANTITY	MIN. ION DENSITY (IONS/CC)	MODEL	NOTES
		VOLTAGE	WATTS				
FCU (DUCTED)	<2400	24 VAC	8	1	300 MILLION	GPS MODEL GPS-FC24-AC	1-4
AHU (SINGLE ZONE)	N/A	120 VAC	.12A	PER COIL SIZE	140 MILLION PER INCH	GPS MODEL GPS-IMOD	1-5
WALL MOUNT MINISPLIT	<2400	120 VAC	5	1	35 MILLION	GPS MODEL GPS-IRIB	1-4

- NOTES:
1. BIPOLAR IONIZATION SYSTEMS REQUIRING PERISHABLE GLASS TUBES ARE NOT ACCEPTABLE.
 2. SYSTEMS SHALL PASS UL-867-2007 OZONE CHAMBER TESTING BY EITHER UL OR ETL.
 3. PROVIDE INTEGRAL BAS ALARM CONTACTS AND LED LIGHT INDICATOR.
 4. PROVIDE INTEGRAL SELF-CLEANING FEATURE. SYSTEMS WITHOUT SELF-CLEANING ARE NOT ACCEPTABLE.
 5. INSTALL ON INLET SIDE OF COOLING COIL. COORDINATE EXACT SIZE WITH APPROVED EQUIPMENT COIL DIMENSIONS.

MULTIZONE MINISPLIT SCHEDULE (ALT #1)

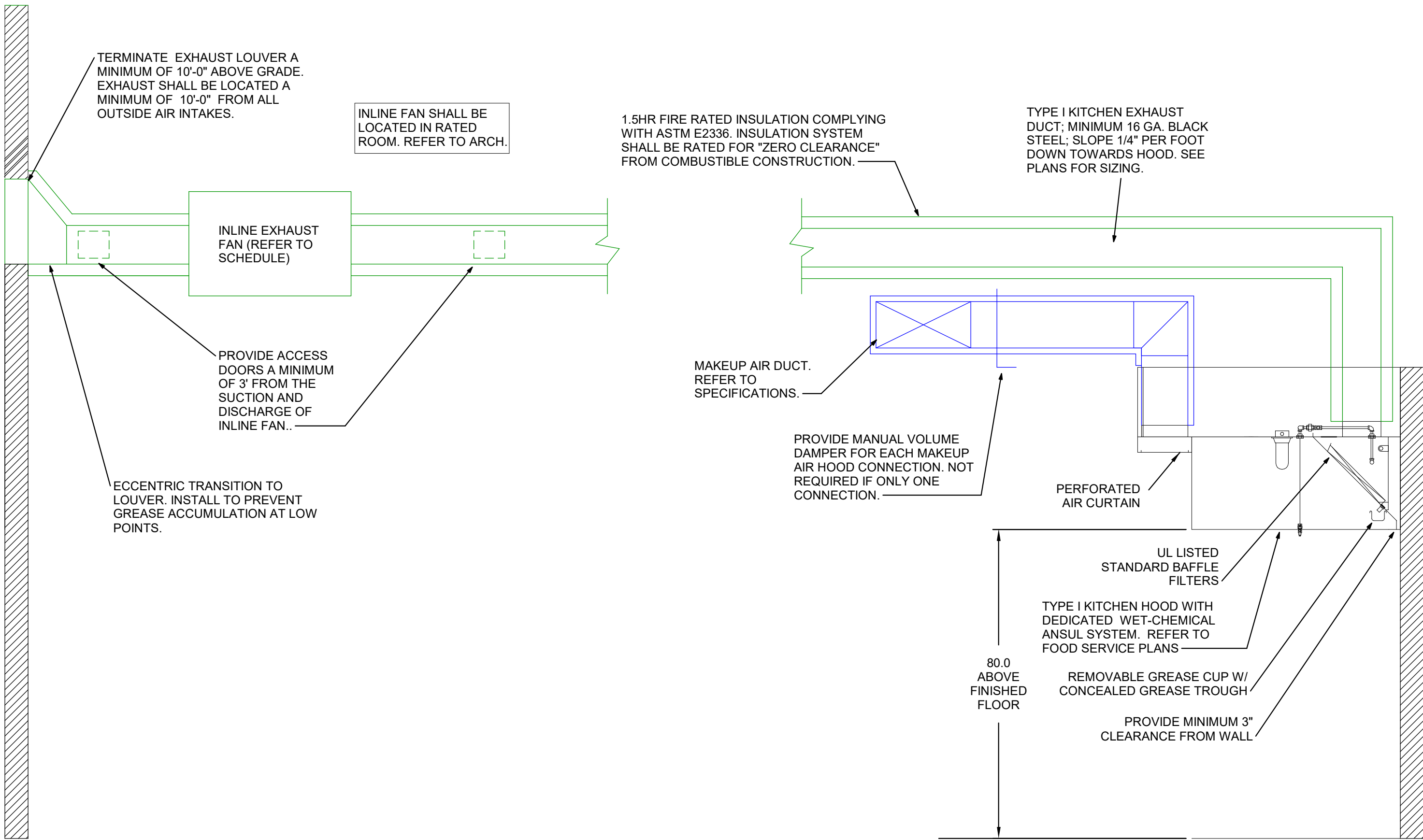
OUTDOOR UNIT															
TAG	SERVICE	REFRIG.	COOLING CAPACITY (MBUTH)	AMBIENT AIR TEMP (DEG F)	HEATING CAPACITY (MBUTH)	AMBIENT AIR TEMP (DEG F)	ELECTRICAL			WEIGHT (LBS)	SEER2	HSPF2	MODEL:	NOTES:	
							V/PHHZ	MCA	MOP						
HP-BATH	BATHROOMS	R-32	23	95	25.8	45.0	208/160	19.8	20	234	23.3	9.6	DAIKIN MODEL RXTA24AAVJU	1,4,5	

TAG	AIRFLOW (CFM)	FAN SPEED SETTING	HP	TOTAL CAPACITY		SOUND (DBA)	ELECTRICAL			WEIGHT (LBS)	MODEL:	NOTES:
				COOLING (MBTUH)	HEATING (MBTUH)		V/PHHZ	MCA	MOP			
WM-1	250	LOW	30W	9.5	10.5	29	208/160	0.3	15	26.5	DAIKIN MODEL FXAA09AAVJU	1-3
WM-2	250	LOW	30W	9.5	10.5	29	208/160	0.3	15	26.5	DAIKIN MODEL FXAA09AAVJU	1-3

- NOTES:
1. PROVIDE SINGLE POINT POWER CONNECTION.
 2. PROVIDE CONDENSATE DRAIN PUMP AND AIR FILTER.
 3. PROVIDE WIRED THERMOSTAT WITH BACNET INTERFACE. REMOTE CONTROL SHALL NOT BE ACCEPTABLE.
 4. PROVIDE LOW-AMBIENT KIT.
 5. OUTDOOR UNIT SHALL BE CAPABLE OF CONDITIONING A MINIMUM OF (2) ZONES.

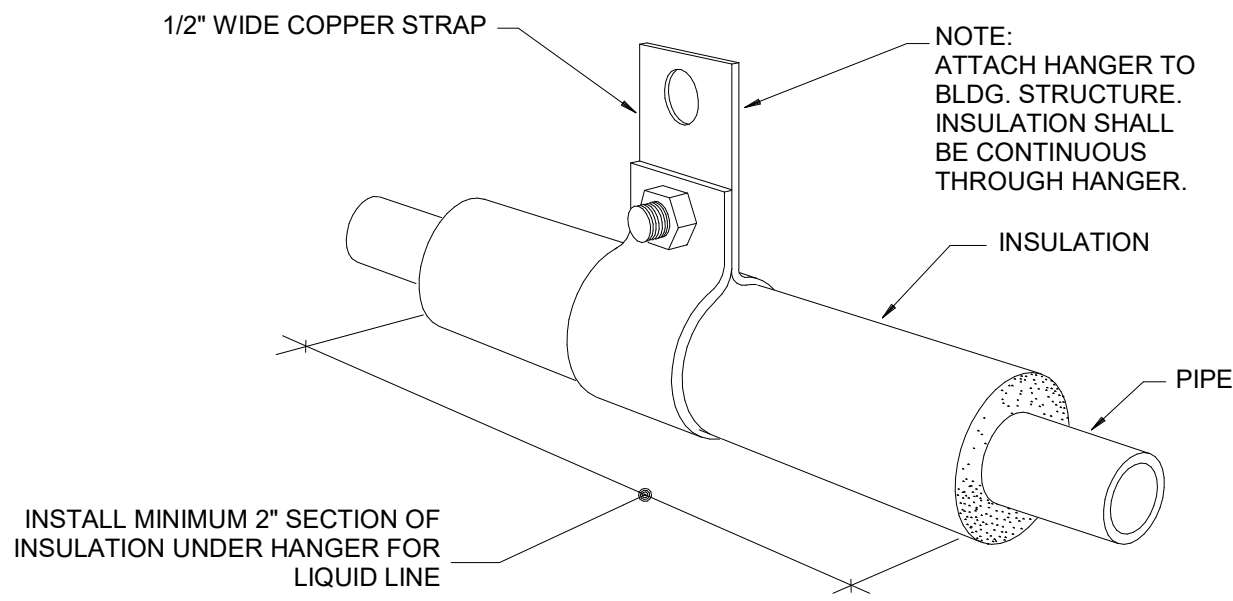
HIGH-VOLUME, LOW VELOCITY FAN SCHEDULE (ALT #2)

TAG	SERVICE	FAN				IMPELLER DIAMETER (FT)	DROP LENGTH (FT)	CONTROL	ELECTRICAL	MODEL:	NOTES:
		TOTAL CFM	HP	MAX RPM	DBA				V/PH/Hz		
F-1	PAVILLION	21150	1.5	158	26	10	3.5	SWITCH	208/1/60	GREENHECK MODEL DS-3-10-90LV	1,2,3



1 KITCHEN HOOD DUCT DETAIL

M4.2 SCALE: NONE



2 REFRIGERANT PIPING HANGER

M4.2 SCALE: NONE

SHEET ADDED

VACHERIE COMMUNITY & SPORTS COMPLEX

22120 CHAMPION STREET
VACHERIE, LA
ST. JAMES PARISH



314 E. BAYOU RD | THIBODAUX, LA
985.447.0090

PROJECT NO. 21-324

ISSUED FOR BIDDING
07/02/2026

07/22/26 1 ADDENDUM-1

CHECKED JG
DRAWN BY ML

MECHANICAL DETAILS

M4.2

YKH Consulting
YENARI • KELLY • HADAWAY
Mechanical • Electrical • Plumbing
3701 Hessmer Ave. Metairie, LA. 70002
ykhconsulting.com 504.264.5111

Job No.: 2312101 Designed By: JG
Drawn By: ML Checked By: JG



VACHERIE COMMUNITY & SPORTS COMPLEX

22120 CHAMPION STREET
VACHERIE, LA
ST. JAMES PARISH



314 E. BAYOU RD | THIBODAUX, LA
985.447.0090



PROJECT NO. 21-324

ISSUED FOR BIDDING
07/02/2026

07/22/26 1 ADDENDUM-1

CHECKED JL
DRAWN BY CP

ELECTRICAL SITE PLAN

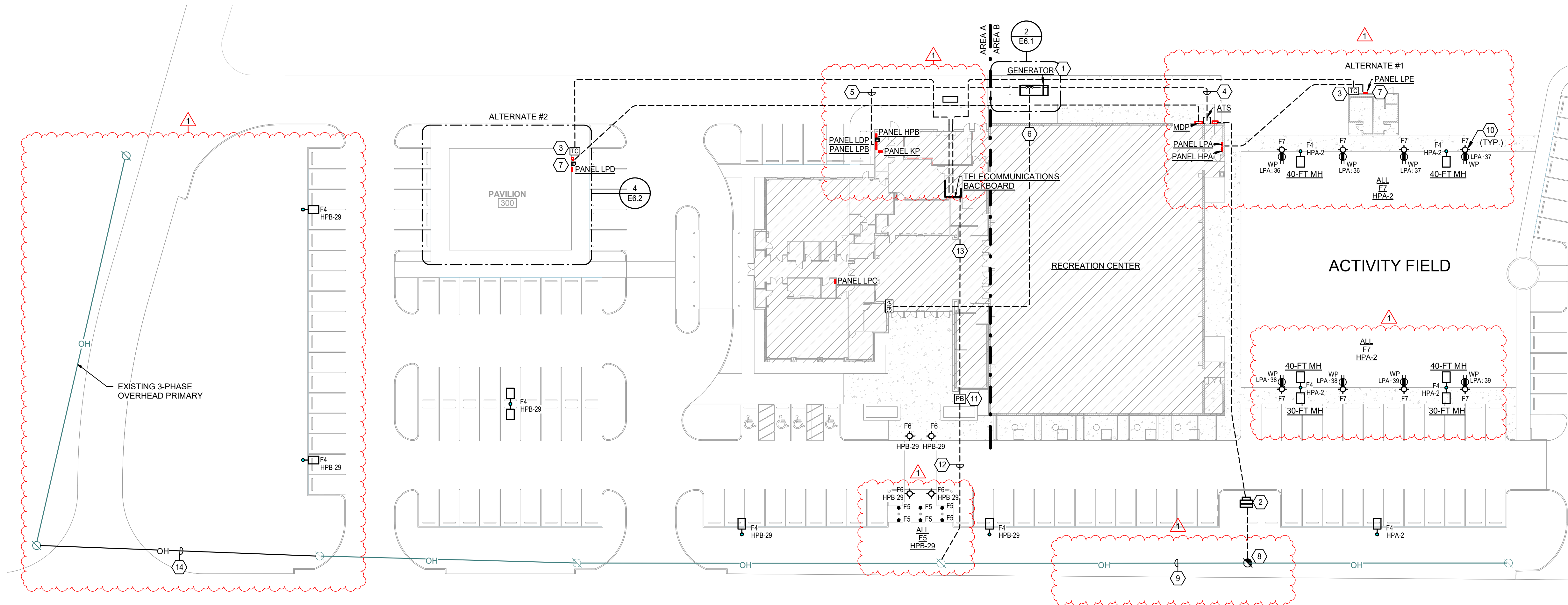
E1.1

SHEET GENERAL NOTES

- A. ALL EXTERIOR LIGHTING SHALL BE CONNECTED TO A BUILDING LIGHTING CONTROL SYSTEM AND SHALL HAVE AUTOMATIC DUSK-TO-DAWN OPERATION.
- B. REFER TO POWER RISER DIAGRAM ON SHEET E7.0 FOR FEEDER SIZES.

SHEET REFERENCE NOTES

- 1 NEW 400KW GENERATOR. COORDINATE EXACT LOCATION WITH ARCHITECT.
- 2 NEW PAD MOUNTED 13.8KV/480V TRANSFORMER.
- 3 TELECOMMUNICATIONS DEMARC BOX: PROVIDE 12"W x 18"H x 4"D SURFACE-MOUNTED CABINET, PAINTED STEEL, NEMA 3R RATED WITH HINGED LOCKABLE COVER. PROVIDE (1) 2" TELECOMMUNICATIONS CONDUIT WITH PULL STRING FROM IT ROOM BACKBOARD TO THIS LOCATION UNDER BASE BID. IF THE ASSOCIATED ALTERNATE IS NOT ACCEPTED, TERMINATE CONDUIT IN DEMARC BOX AND LEAVE PULL STRING FOR FUTURE TELECOMMUNICATIONS CONNECTION.
- 4 (1) 1" CONDUIT WITH CONTROL WIRING FROM A.T.S. TO GENERATOR CONTROL PANEL, AND (1) 1" SPARE CONDUIT W/PULLCORD FOR FUTURE USE.
- 5 (1) 1" SPARE CONDUIT W/PULLCORD FROM GENERATOR CONTROL PANEL TO PANEL LDP FOR FUTURE USE.
- 6 (1) 1" CONDUIT WITH CONTROL WIRING FROM GENERATOR CONTROL PANEL TO REMOTE ANNUNCIATOR PANEL IN LOBBY 100.
- 7 FUTURE ELECTRICAL EQUIPMENT LOCATION. PROVIDE FEEDER AND CONDUIT TO THIS LOCATION UNDER BASE BID. IF THE ALTERNATE ASSOCIATED WITH THIS LOCATION IS NOT ACCEPTED, TERMINATE FEEDER IN NEMA 3R JUNCTION BOX FOR FUTURE CONNECTION.
- 8 NEW UTILITY POLE BY ENTERGY.
- 9 EXISTING OVERHEAD PRIMARY TO BE UPGRADED BY ENTERGY TO SUPPORT NEW BUILDING.
- 10 PROVIDE 277V POWER FOR BOLLARD LUMINAIRE AND SEPARATE 120V GFCI-PROTECTED CIRCUIT FOR INTEGRAL RECEPTACLE. COORDINATE WIRING COMPARTMENTS AND INSTALLATION REQUIREMENTS WITH BOLLARD MANUFACTURER. (TYPICAL)
- 11 UNDERGROUND PULLBOX FOR TELECOMM SERVICE. SEE DETAIL.
- 12 (2) 4" UNDERGROUND CONDUITS W/PULLCORD 36" BELOW GRADE FOR TELECOMM SERVICE. RISE AND TERMINATE ON UTILITY POLE PER SERVICE PROVIDER REQUIREMENTS.
- 13 (2) 4" UNDERGROUND CONDUITS FROM FIBER OPTICS PULLBOX TO BUILDING TELECOMMUNICATIONS BACKBOARD FOR VOICE/DATA SERVICE. COORDINATE WITH SERVICE PROVIDER.
- 14 NEW 3-PHASE OVERHEAD PRIMARY BY ENTERGY.



1 ELECTRICAL SITE PLAN

E1.1 SCALE: 1" = 30'-0"



MECHANICAL • ELECTRICAL • PLUMBING

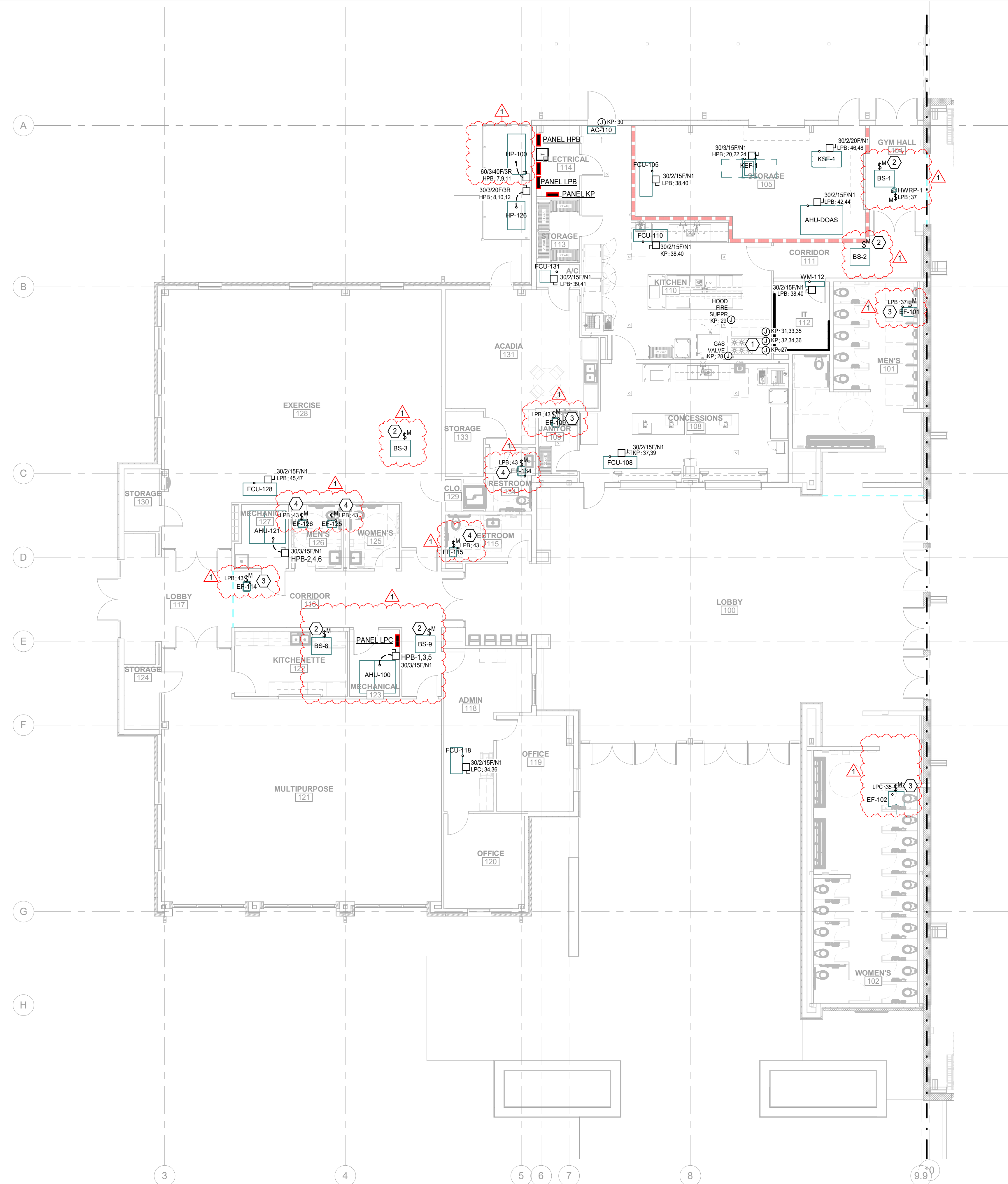
3701 Hessmer Ave. Metairie, LA 70002

ykhconsulting.com 504.264.5111

Job No: 2312101 Designed By: CP

Drawn By: CP Checked By: JL

7/22/2026 2:10:24 PM
Autodesk Docs:231185_St. James Parish2312001-YKH-SJP-Senior+CommunityCenter_R21.rvt



SHEET GENERAL NOTES

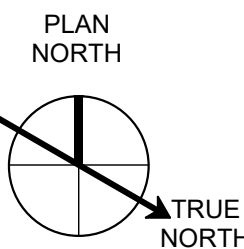
- WALL MOUNTED JUNCTION BOXES SHALL BE RECESSED IN BUILDING SO THAT EQUIPMENT CAN BE INSTALLED AGAINST WALLS.
- PROVIDE ALL NECESSARY LINE DISCONNECT SWITCHES, UNLESS SPECIFIED OTHERWISE.
- PROVIDE 120V POWER CONNECTION FOR GAS SOLENOID VALVE AS APPLICABLE.
- ACTIVATION OF THE HOOD SUPPRESSION SYSTEM SHALL CAUSE ACTIVATION OF THE FIRE ALARM SYSTEM. PROVIDE SUPERVISED, ADDRESSABLE FIRE ALARM RELAY MODULE AS NECESSARY.
- PROVIDE CONNECTIONS BETWEEN THE FIRE SUPPRESSION PANEL, RELAYS, ELECTRICAL SHUNT TRIPS, ETC. AS REQUIRED TO SHUT OFF POWER TO ALL EQUIPMENT LOCATED UNDER THE KITCHEN HOOD. ACTIVATION OF THE FIRE ALARM SYSTEM OR HOOD SUPPRESSION SYSTEM SHALL:
 - CAUSE SHUTDOWN OF THE HOOD SUPPLY FAN. HOOD EXHAUST FAN SHALL REMAIN ON. PROVIDE CONTROL WIRING FROM HOOD FIRE SUPPRESSION SYSTEM TO EXHAUST/SUPPLY FAN CONTROLS.
 - CAUSE THE SHUNT TRIP OPERATOR TO PROVIDE CONTROL WIRING FROM HOOD FIRE SUPPRESSION SYSTEM TO SHUNT TRIP OPERATOR AT PANEL.
 - CAUSE THE GAS SOLENOID VALVE TO CLOSE REMOVING THE GAS SUPPLY TO ALL EQUIPMENT BELOW THE HOOD.

SHEET REFERENCE NOTES

- 120V POWER CIRCUIT HARDWIRED TO HOOD CONTROL PANEL. COORDINATE EXACT LOCATION WITH HOOD INSTALLER. PROVIDE 120V POWER CONNECTIONS FROM CONTROL PANEL TO HOOD FANS AND LIGHTING AS REQUIRED.
- PROVIDE POWER CONNECTION TO BRANCH SELECTOR UNIT (BSU). VOLTAGE, CIRCUIT SIZE, OVERCURRENT PROTECTION, AND DISCONNECT SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S APPROVED SUBMITTALS. COORDINATE FINAL REQUIREMENTS WITH MECHANICAL EQUIPMENT PROVIDED.
- EXHAUST FAN START/STOP SHALL BE INTERLOCKED WITH SPACE LIGHTING CONTROLS. PROVIDE ALL REQUIRED CONTROL DEVICES, RELAYS, AND WIRING FOR OPERATION AS INDICATED ON THE MECHANICAL DRAWINGS.
- EXHAUST FAN START SHALL BE INTERLOCKED WITH SPACE LIGHTING CONTROLS. PROVIDE TIME-DELAY SWITCH FOR FAN SHUTDOWN. PROVIDE ALL REQUIRED CONTROL DEVICES, RELAYS, AND WIRING FOR OPERATION AS INDICATED ON THE MECHANICAL DRAWINGS.

1 MECHANICAL POWER PLAN - AREA A

E4.1 SCALE: 1/8" = 1'-0"



YKH Consulting
YENARI • KELLY • HADAWAY
Mechanical • Electrical • Plumbing
3701 Hessmer Ave. Metairie, LA 70002
ykhconsulting.com 504.264.5111

Job No: 2312101 Designed By: CP
Drawn By: CP Checked By: JL

VACHERIE COMMUNITY & SPORTS COMPLEX

22120 CHAMPION STREET
VACHERIE, LA
ST. JAMES PARISH



314 E. BAYOU RD | THIBODAUX, LA
985.447.0090



PROJECT NO. 21-324

ISSUED FOR BIDDING
07/02/2026

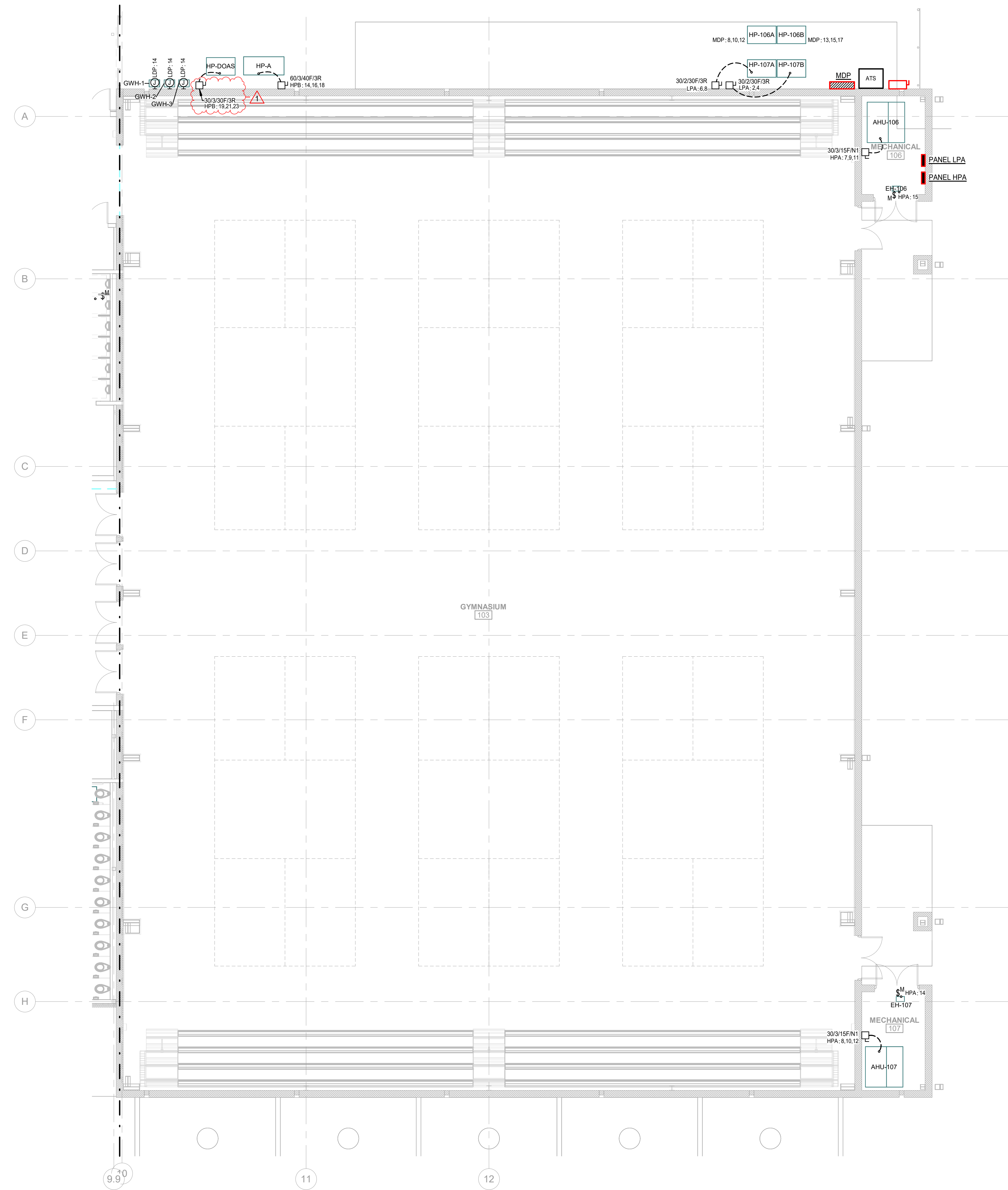
07/22/26 1 ADDENDUM-1

CHECKED JL
DRAWN BY CP

MECHANICAL POWER PLAN -
AREA A

E4.1

7/22/2026 2:10:25 PM
Autodesk Docs:/231185_St. James Parish/2312001-YKH-SJP-Senior+CommunityCenter_R21.rvt



SHEET GENERAL NOTES

A. WALL MOUNTED JUNCTION BOXES SHALL BE RECESSED IN BUILDING SO THAT EQUIPMENT CAN BE INSTALLED AGAINST WALLS.

1 MECHANICAL POWER PLAN - AREA B
E4.2 SCALE: 1/8" = 1'-0"

YKH Consulting
YENARI • KELLY • HADAWAY
Mechanical • Electrical • Plumbing
3701 Hessmer Ave. Metairie, LA. 70002
ykhconsulting.com 504.264.5111

Job No.: 2312101 Designed By: CP
Drawn By: CP Checked By: JL

VACHERIE COMMUNITY & SPORTS COMPLEX
22120 CHAMPION STREET
VACHERIE, LA
ST. JAMES PARISH

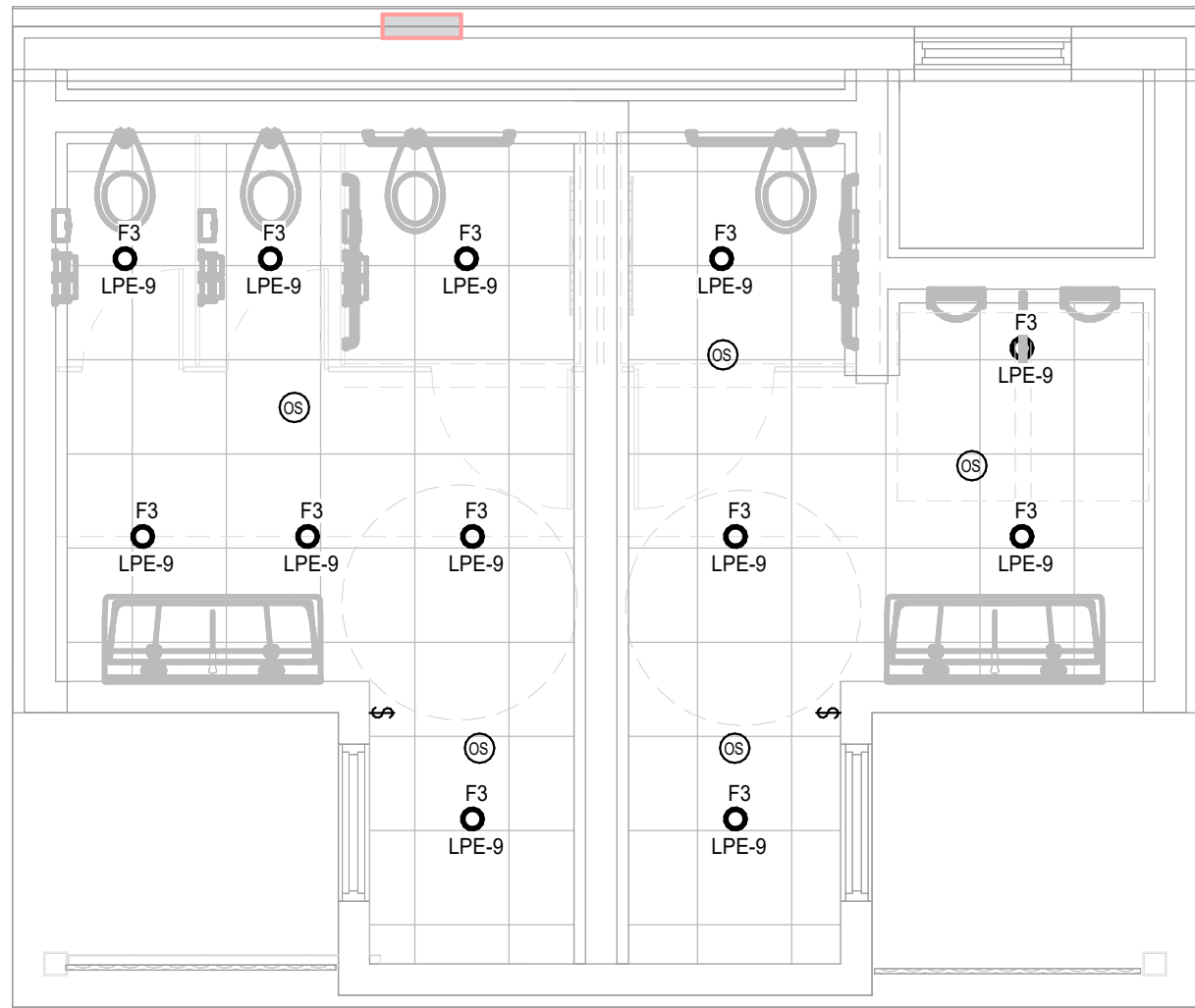
DDG
314 E. BAYOU RD | THIBODAUX, LA
985.447.0090

STATE OF LOUISIANA
CHAD M. HADAWAY
License No. 33606
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEERING

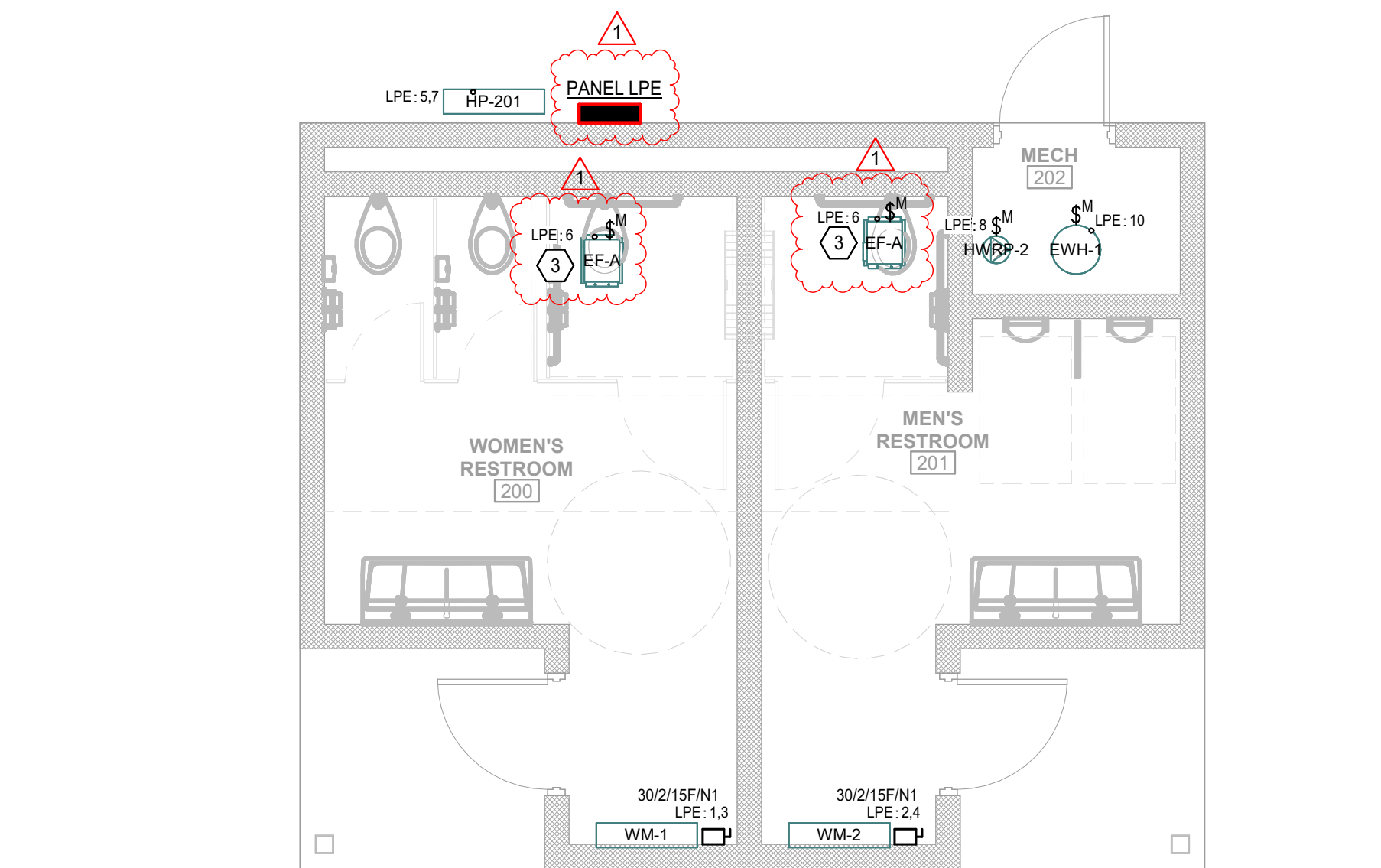
PROJECT NO. 21-324
ISSUED FOR BIDDING
07/02/2026

07/22/26 1 ADDENDUM-1

CHECKED JL
DRAWN BY CP
MECHANICAL POWER PLAN -
AREA B
E4.2

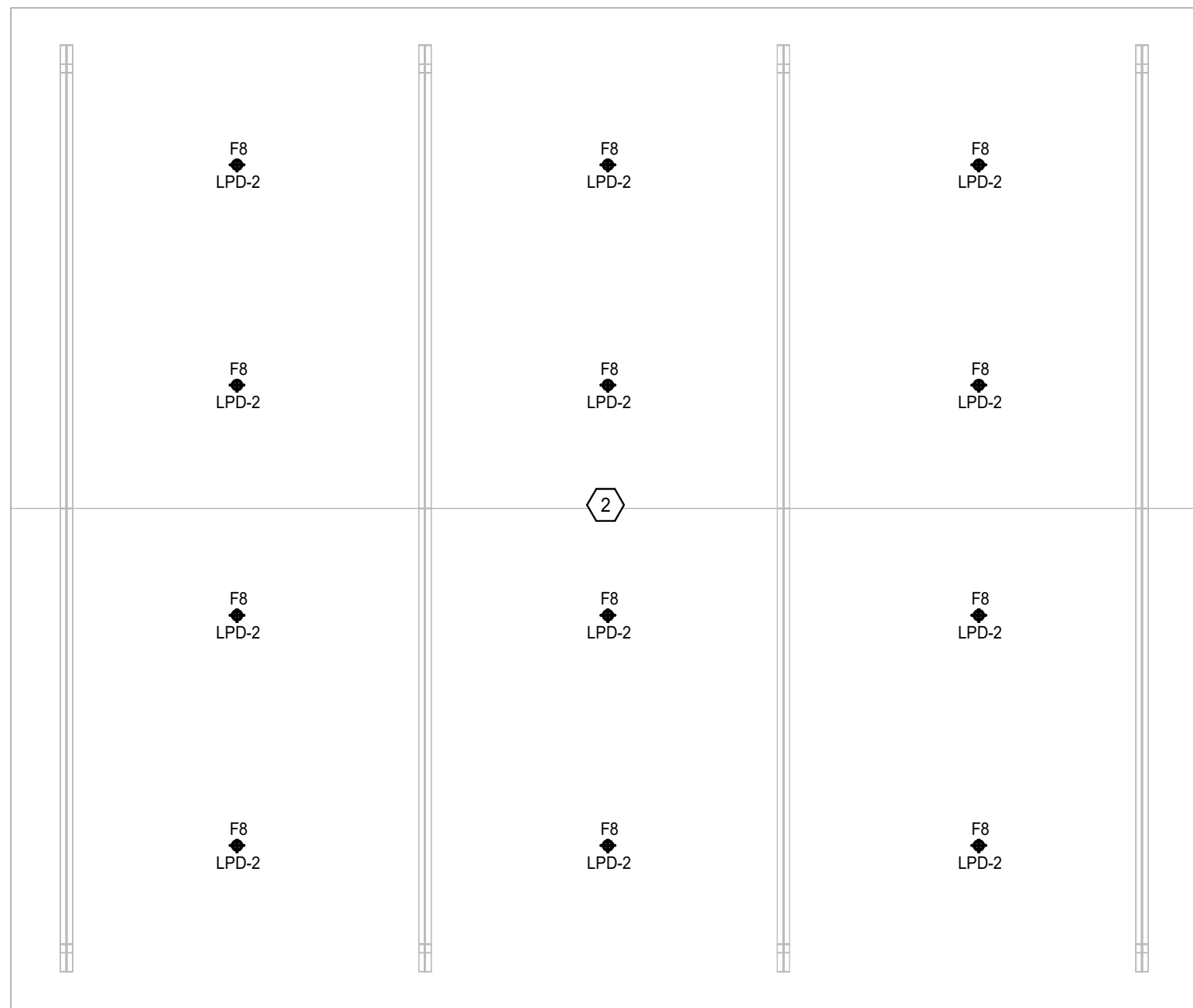


1 LIGHTING PLAN - ALTERNATE #1
E6.2 SCALE: 1/4" = 1'-0"

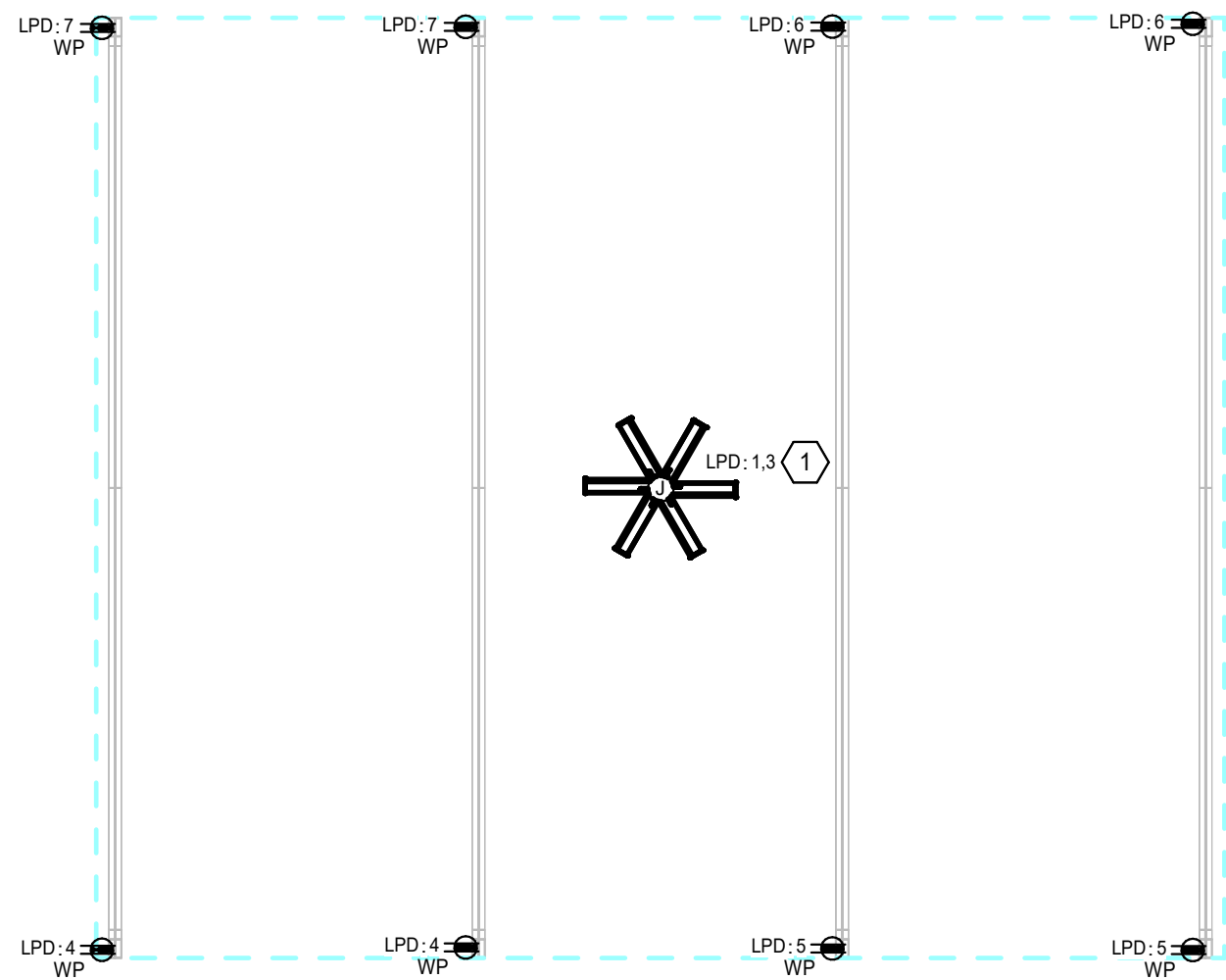


2 MECHANICAL POWER PLAN - ALTERNATE #1
E6.2 SCALE: 1/4" = 1'-0"

- # SHEET REFERENCE NOTES
- 1 RUN 3/4" C WITH CONTROL WIRING FROM CEILING FAN TO WALL CONTROLLER. COORDINATE WITH MECHANICAL.
 - 2 PAVILION LIGHTING SHALL BE CONTROLLED BY PHOTOCELL AND/OR PROGRAMMABLE TIME CLOCK FOR AUTOMATIC DUSK-TO-DAWN OPERATION. PROVIDE LOCAL OVERRIDE SWITCHING AS REQUIRED.
 - 3 EXHAUST FAN START/STOP SHALL BE INTERLOCKED WITH SPACE LIGHTING CONTROLS. PROVIDE ALL REQUIRED CONTROL DEVICES, RELAYS, AND WIRING FOR OPERATION AS INDICATED ON THE MECHANICAL DRAWINGS.



3 LIGHTING PLAN - ALTERNATE #2
E6.2 SCALE: 1/8" = 1'-0"



4 POWER AND DATA PLAN - ALTERNATE #2
E6.2 SCALE: 1" = 10'-0"

VACHERIE COMMUNITY & SPORTS COMPLEX

22120 CHAMPION STREET
VACHERIE, LA
ST. JAMES PARISH



314 E. BAYOU RD | THIBODAUX, LA
985.447.0090



PROJECT NO. 21-324

ISSUED FOR BIDDING
07/02/2026

07/22/26 1 ADDENDUM-1

CHECKED JL
DRAWN BY CP

ENLARGED ELECTRICAL PLANS

E6.2

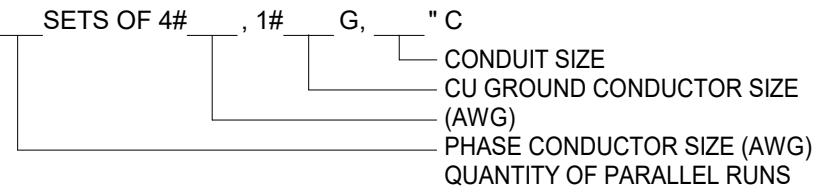
YKH Consulting
YENARI • KELLY • HADAWAY
Mechanical • Electrical • Plumbing
3701 Hessmer Ave. Metairie, LA 70002
ykhconsulting.com 504.264.5111

Job No: 2312101 Designed By: CP
Drawn By: CP Checked By: JL



FEEDER SCHEDULE

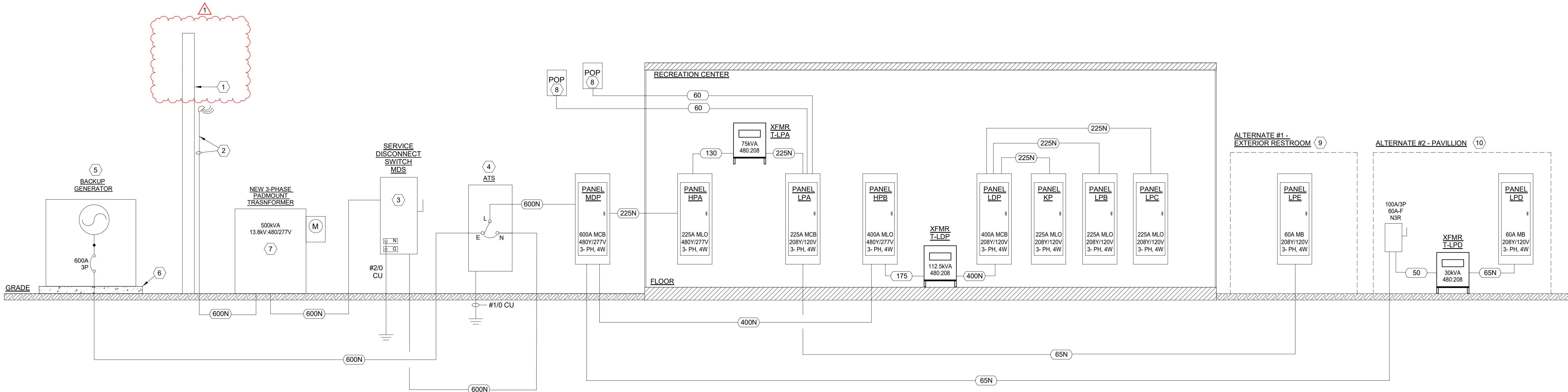
1. BASED ON TYPE THHN/THWN CONDUCTORS (75° TEMP. RATING) IN RIGID CONDUIT.
2. PHASE CONDUCTORS ARE COPPER OR ALUMINUM AS INDICATED.
3. ALL GROUND CONDUCTORS SHALL BE COPPER.



3-PHASE, 4-WIRE				3-PHASE, 3-WIRE (NO NEUTRAL) AND 1-PHASE, 3-WIRE			
DESIG.	AMPS	COPPER PHASE CONDUCTORS	ALUMINUM PHASE CONDUCTORS	DESIG.	AMPS	COPPER PHASE CONDUCTORS	ALUMINUM PHASE CONDUCTORS
20N	20	4#12, 1#12(G), 3/4" C	- N/A	20	20	3#12, 1#12(G), 3/4" C	- N/A
30N	30	4#10, 1#10(G), 3/4" C	- N/A	30	30	3#10, 1#10(G), 3/4" C	- N/A
50N	50	4#8, 1#10(G), 3/4" C	- N/A	50	50	3#8, 1#10(G), 3/4" C	- N/A
65N	65	4#6, 1#10(G), 1" C	- N/A	60	65	3#6, 1#10(G), 1" C	- N/A
85N	85	4#4, 1#8(G), 1-1/4" C	- N/A	80	85	3#4, 1#8(G), 1-1/4" C	- N/A
100N	100	4#3, 1#8(G), 1-1/4" C	100 4#1, 1#8(G), 1-1/2" C	100	100	3#3, 1#8(G), 1-1/4" C	100 3#1, 1#8(G), 1-1/2" C
110N	115	4#2, 1#6(G), 1-1/4" C	120 4#1/0, 1#6(G), 2" C	110	115	3#2, 1#6(G), 1-1/4" C	120 3#1/0, 1#6(G), 2" C
125N	130	4#1, 1#6(G), 1-1/2" C	135 4#2/0, 1#6(G), 2" C	125	130	3#1, 1#6(G), 1-1/2" C	135 3#2/0, 1#6(G), 2" C
150N	150	4#1/0, 1#6(G), 2" C	155 4#3/0, 1#6(G), 2" C	150	150	3#1/0, 1#6(G), 2" C	155 3#3/0, 1#6(G), 2" C
175N	175	4#2/0, 1#6(G), 2" C	180 4#4/0, 1#6(G), 2-1/2" C	175	175	3#2/0, 1#6(G), 2" C	180 3#4/0, 1#6(G), 2-1/2" C
200N	200	4#3/0, 1#6(G), 2" C	205 4#250, 1#6(G), 2-1/2" C	200	200	3#3/0, 1#6(G), 2" C	205 3#250, 1#6(G), 2-1/2" C
225N	230	4#4/0, 1#4(G), 2-1/2" C	230 4#300, 1#4(G), 2-1/2" C	225	230	3#4/0, 1#4(G), 2-1/2" C	230 3#300, 1#4(G), 2-1/2" C
250N	255	4#250, 1#4(G), 2-1/2" C	250 4#350, 1#4(G), 3" C	250	255	3#250, 1#4(G), 2-1/2" C	250 3#350, 1#4(G), 3" C
250N+	255	4#350, 1#3(G), 3" C	250 4#500, 1#3(G), 4" C				
300N	310	4#350, 1#4(G), 3" C	310 4#500, 1#4(G), 4" C	300	310	3#350, 1#4(G), 3" C	310 3#500, 1#4(G), 4" C
350N	335	4#400, 1#3(G), 3" C	360 2 SETS OF 4#4/0, 1#3(G), 2-1/2" C	350	335	3#400, 1#3(G), 3" C	360 2 SETS OF 3#4/0, 1#3(G), 2-1/2" C
400N	380	4#500, 1#3(G), 3-1/2" C	410 2 SETS OF 4#250, 1#3(G), 2-1/2" C	400	380	3#500, 1#3(G), 4" C	410 2 SETS OF 3#250, 1#3(G), 2-1/2" C
500N	510	2 SETS OF 4#250, 1#2(G), 2-1/2" C	500 2 SETS OF 4#350, 1#2(G), 3" C	500	510	2 SETS OF 3#250, 1#2(G), 2-1/2" C	500 2 SETS OF 3#350, 1#2(G), 3" C
600N	620	2 SETS OF 4#350, 1#1(G), 3" C	620 2 SETS OF 4#500, 1#1(G), 4" C	600	620	2 SETS OF 3#350, 1#1(G), 3" C	620 2 SETS OF 3#500, 1#1(G), 4" C
700N	670	2 SETS OF 4#400, 1#1/0(G), 3" C	690 3 SETS OF 4#300, 1#1/0(G), 2-1/2" C	700	670	2 SETS OF 3#400, 1#1/0(G), 3" C	690 3 SETS OF 3#300, 1#1/0(G), 2-1/2" C
800N	760	2 SETS OF 4#500, 1#1/0(G), 4" C	810 3 SETS OF 4#400, 1#1/0(G), 3" C	800	760	2 SETS OF 3#500, 1#1/0(G), 4" C	810 3 SETS OF 3#400, 1#1/0(G), 3" C

SHEET REFERENCE NOTES

1. NEW UTILITY POLE. PROVIDE UTILITY METERING AND SERVICE EQUIPMENT AS REQUIRED BY ENTERGY.
2. RISE ON POLE AND TERMINATE CONDUCTORS AT WEATHER HEAD. UTILITY REQUIREMENTS.
3. 3P-600A, 480V, NEMA 3R RATED DISCONNECT SWITCH FUSED AT 600A; SERVICE ENTRANCE RATED. GROUND PER NEC ARTICLE 250.24.
4. 600A OPEN TRANSITION AUTOMATIC TRANSFER SWITCH, NEMA 3R.
5. NATURAL GAS GENERATOR, 400kW, 480/277V 3PH, 4W WITH SOUND ATTENUATED WEATHER ENCLOSURE. (BASIS-OF-DESIGN: GENERAC SG400)
6. GENERATOR CONCRETE FOUNDATION (RE: STRUCTURAL).
7. 500 KVA, 13.8KV-480/277V, LIQUID-FILLED PAD MOUNTED TRANSFORMER. EATON COOPER POWER SERIES OR EQUAL.
8. NEMA 3R TEMPORARY POWER OUTLET PANEL, NON-METERED, WITH (3) 20A DUPLEX RECEPTACLES EACH PROTECTED WITH INTEGRAL 20A/1P GFCI CIRCUIT BREAKER. BASIS-OF-DESIGN: EATON CH-U-2G-2G-2G-S-X.
9. IF ALTERNATE #1 IS NOT ACCEPTED, PROVIDE FEEDER AND CONDUIT TO POINT OF FUTURE CONNECTION AS INDICATED ON THE ELECTRICAL SITE PLAN AND TERMINATE IN NEMA 3R JUNCTION BOX FOR FUTURE CONNECTION. ASSOCIATED PANELBOARD AND BRANCH CIRCUITS SHALL NOT BE INSTALLED.
10. IF ALTERNATE NO. 2 IS NOT ACCEPTED, PROVIDE FEEDER AND CONDUIT TO POINT OF FUTURE CONNECTION AS INDICATED ON THE ELECTRICAL SITE PLAN AND TERMINATE IN NEMA 3R JUNCTION BOX FOR FUTURE CONNECTION. ASSOCIATED DISCONNECT, TRANSFORMER, PANELBOARD, AND BRANCH CIRCUITS SHALL NOT BE INSTALLED.



1 POWER RISER DIAGRAM

E7.0 SCALE: NONE

VACHERIE COMMUNITY & SPORTS COMPLEX

22120 CHAMPION STREET
VACHERIE, LA
ST. JAMES PARISH



314 E. BAYOU RD | THIBODAUX, LA
985.447.0090



PROJECT NO. 21-324

ISSUED FOR BIDDING
07/02/2026

07/22/26 1 ADDENDUM-1

CHECKED JL
DRAWN BY CP

POWER RISER DIAGRAM

E7.0



Branch Panel: MDP													
LOCATION: _____				VOLTAGE: 480/277V 3PH, 4W				AVAILABLE AIC: _____					
SUPPLY SOURCE: _____				PHASE: 3 WIRES: 4				AIC RATING: _____					
MOUNTING: Surface				BRANCHE... _____				SHUNT TRIP MAIN CB					
ENCLOSURE: Type 1				POLES: 42				SERVICE ENTRANCE RATED					
				INTERIOR RATING: 600 A				FEED-THROUGH LUGS					
				MAINS RATING: 600 A				SUB-FEED LUGS					
				MAINS TYPE: MB				ISOLATED GROUND BAR					
								</					

Branch Panel: HPA													
LOCATION: MECHANICAL 106				VOLTAGE: 480/277V 3PH, 4W				AVAILABLE AIC: _____					
SUPPLY SOURCE: MDP				PHASE: 3 WIRES: 4				AIC RATING: _____					
MOUNTING: Surface				BRANCHE... _____				SHUNT TRIP MAIN CB					
ENCLOSURE: Type 1				POLES: 42				SERVICE ENTRANCE RATED					
				INTERIOR RATING: 225 A				FEED-THROUGH LUGS					
				MAINS RATING: 225 A				SUB-FEED LUGS					
				MAINS TYPE: MLO				ISOLATED GROUND BAR					
								SERIES RATED					
								FULLY RATED					
CKT#	DESCRIPTION	WIRE SIZE	RATIN G	POLE S	A	B	C	POLE S	RATIN G	WIRE SIZE	DESCRIPTION	CKT#	
1	PANEL LPA THRU XFMR T-LPA	3-#12, 1-#12, 1-#12	20 A	3	30047 ...	1147 VA		1	20 A	1-#12, 1-#12, 1-#12	ACTIVITY FIELD/SITE LIGHTING	2	
3	--	--	--	--		27951 VA	4060 VA		1	20 A	1-#8, 1-#8, 1-#8	GYMNASIUM LIGHTING	4
5	--	--	--	--			25107 VA	4060 VA	1	20 A	1-#10, 1-#10, 1-#10	GYMNASIUM LIGHTING	6
7	AHU-106	3-#12, 1-#12, 1-#12	20 A	3	3377 VA	3377 VA		3	20 A	3-#12, 1-#12, 1-#12	AHU-107	8	
9	--	--	--	--		3377 VA	3377 VA	--	--	--	--	10	
11	--	--	--	--			3377 VA	3377 VA	--	--	--	12	
13	EXTERIOR LIGHTING	1-#12, 1-#12, 1-#12	20 A	1	407 VA	3300 VA		1	20 A	1-#12, 1-#12, 1-#12	EH-107	14	
15	EH-106	1-#12, 1-#12, 1-#12	20 A	1		3300 VA	--	1	--	--	PROVISIONS	16	
17	SPARE	--	20 A	1			0 VA	--	1	--	PROVISIONS	18	
19	SPARE	--	20 A	1	0 VA	--		1	--	--	PROVISIONS	20	
21	SPARE	--	20 A	1		0 VA	--	1	--	--	PROVISIONS	22	
23	SPARE	--	20 A	1			0 VA	--	1	--	PROVISIONS	24	
25	SPARE	--	20 A	1	0 VA	--		1	--	--	PROVISIONS	26	
27	SPARE	--	20 A	1		0 VA	--	1	--	--	PROVISIONS	28	
29	SPARE	--	20 A	1			0 VA	--	1	--	PROVISIONS	30	
31	SPARE	--	20 A	1	0 VA	--		1	--	--	PROVISIONS	32	
33	SPARE	--	20 A	1		0 VA	--	1	--	--	PROVISIONS	34	
35	SPARE	--	20 A	1			0 VA	--	1	--	PROVISIONS	36	
37	PROVISIONS	--	--	3	--	--		3	--	--	PROVISIONS	38	
39	--	--	--	--		--	--	--	--	--	--	40	
41	--	--	--	--			--	--	--	--	--	42	
Total Load:					41642 VA	42048 VA	35870 VA						
Total Amps:					154 A	155 A	129 A						
		LOAD CLASSIFICATION	CONNECTED LOAD (VA)		DEMAND FACTOR		ESTIMATED DEMAND...		TOTALS:				
		HVAC	440 VA		100.00%		440 VA		TOTAL CONNECTED LOAD:				
		Lighting	9902 VA		125.00%		12377 VA		TOTAL CONNECTED CURRENT:				
		Motor	10000 VA		100.00%		10000 VA						
		Other	49368 VA		100.00%		49368 VA		ESTIMATED DEMAND LOAD:				
		RECEPTACLE	4360 VA		100.00%		4360 VA		ESTIMATED DEMAND CURRENT:				
									SPARE CAPACITY:				
NOTES:													

Branch Panel: HPB													
LOCATION: ELECTRICAL 114				VOLTAGE: 480/277V 3PH, 4W				AVAILABLE AIC:					
SUPPLY SOURCE: MDP				PHASE: 3 WIRES: 4				AIC RATING:					
MOUNTING: Surface				BRANCHE...				SHUNT TRIP MAIN CB					
ENCLOSURE: Type 1				POLES: 42				SERVICE ENTRANCE RATED					
				INTERIOR RATING: 400 A				FEED-THROUGH LUGS					
				MAINS RATING: 400 A				SUB-FEED LUGS					
				MAINS TYPE: MLO				ISOLATED GROUND BAR					

Branch Panel: LDP

LOCATION: ELECTRICAL 114

VOLTAGE: 208/120V 3PH, 4W

AVAILABLE AIC:

SUPPLY SOURCE: T-LDP

PHASE: 3

WIRES: 4

SHUNT TRIP MAIN CB

SERVICE ENTRANCE RATED

FEED-THROUGH LUGS

SUB-FEED LUGS

ISOLATED GROUND BAR

MOUNTING: Surface

BRANCHE...

INTERIOR RATING: 225 A

MAINS RATING: 225 A

MAINS TYPE: MB

POLES: 30

SERIES RATED

FULLY RATED

CKT#	DESCRIPTION	WIRE SIZE	RATIN G	POLE S	A	B	C	POLE S	RATIN G	WIRE SIZE	DESCRIPTION	CKT#
1	PANEL LPC	3-#4/0, 1-#4/0, 1-#4	225 A	3	9880 VA	12012 VA		3	225 A	3-#4/0, 1-#4/0, 1-#4	PANEL KP	2
3	--	--	--	--		10470 VA	12140 VA	--	--	--	--	4
5	--	--	--	--		5890 VA	6286 VA	--	--	--	--	6
7	PANEL LPB	3-#4/0, 1-#4/0, 1-#4	225 A	3	9584 VA	90 VA		2	20 A	2-#12, 1-#12, 1-#12	GENERATOR BLOCK HEATER	8
9	--	--	--	--		11325 VA	90 VA	--	--	--	--	10
11	--	--	--	--		10174 VA	180 VA	1	20 A	1-#12, 1-#12, 1-#12	GENERATOR BATTERY CHARGER	12
13	GENERATOR BATTERY HEATER	1-#12, 1-#12, 1-#12	20 A	1	180 VA	360 VA		1	20 A	1-#12, 1-#12, 1-#12	GW-H-1, GW-H-2, GW-H-3	14
15	SPARE	--	20 A	1		0 VA	--	1	--	--	PROVISIONS	16
17	SPARE	--	20 A	1		0 VA	--	1	--	--	PROVISIONS	18
19	SPARE	--	20 A	1	0 VA	--		1	--	--	PROVISIONS	20
21	SPARE	--	20 A	1		0 VA	--	1	--	--	PROVISIONS	22
23	SPARE	--	20 A	1		0 VA	--	1	--	--	PROVISIONS	24
25	SPARE	--	30 A	3	0 VA	--		3	--	--	PROVISIONS	26
27	--	--	--	--		0 VA	--	--	--	--	--	28
29	--	--	--	--		0 VA	--	--	--	--	--	30
Total Load:					32106 VA	34024 VA	22529 VA					
Total Amps:					280 A	296 A	188 A					
					LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND...	TOTALS:			
					HVAC	9922 VA	100.00%	9922 VA	TOTAL CONNECTED LOAD:			
					Other	19860 VA	100.00%	19860 VA	TOTAL CONNECTED CURRENT:			
					RECEPTACLE	27260 VA	68.34%	18630 VA	ESTIMATED DEMAND LOAD:			
									ESTIMATED DEMAND CURRENT:			
									SPARE CAPACITY:			
									88659 VA			
									246 A			
									69221 VA			
									192 A			
									14.61%			
NOTES:												

Branch Panel: LPB

LOCATION: ELECTRICAL 114

VOLTAGE: 208/120V 3PH, 4W

AVAILABLE AIC:

SUPPLY SOURCE: LDP

PHASE: 3

WIRES: 4

SHUNT TRIP MAIN CB

SERVICE ENTRANCE RATED

FEED-THROUGH LUGS

SUB-FEED LUGS

ISOLATED GROUND BAR

MOUNTING: Surface

BRANCHE...

INTERIOR RATING: 225 A

MAINS RATING: 225 A

MAINS TYPE: MLO

POLES: 84

SERIES RATED

FULLY RATED

CKT#	DESCRIPTION	WIRE SIZE	RATIN G	POLE S	A	B	C	POLE S	RATIN G	WIRE SIZE	DESCRIPTION	CKT#	
1	ELEC/STORAGE RECEPT	1-#12, 1-#12, 1-#12	20 A	1	360 VA	720 VA		1	20 A	1-#12, 1-#12, 1-#12	STORAGE 115 RECEPT	2	
3	ACADIA RECEPT	1-#12, 1-#12, 1-#12	20 A	1		720 VA	360 VA		1	20 A	1-#12, 1-#12, 1-#12	RECEPT	4
5	ACADIA REF RECEPT	1-#12, 1-#12, 1-#12	20 A	1			180 VA	120 VA	1	20 A	1-#12, 1-#12, 1-#12	MEN'S RR FLUSH VALVE	6
7	IT L6-30R	2-#12, 1-#12, 1-#12	20 A	2	600 VA	600 VA		2	20 A	2-#12, 1-#12, 1-#12	IT L6-30R	8	
9	--	--	--	--		600 VA	600 VA	--	--	--	--	10	
11	IT RECEPT	1-#12, 1-#12, 1-#12	20 A	1		360 VA	360 VA		1	20 A	1-#12, 1-#12, 1-#12	IT RECEPT	12
13	IT RECEPT	1-#12, 1-#12, 1-#12	20 A	1	360 VA	360 VA		1	20 A	1-#12, 1-#12, 1-#12	IT RECEPT	14	
15	IT RECEPT	1-#12, 1-#12, 1-#12	20 A	1		360 VA	360 VA		1	20 A	1-#12, 1-#12, 1-#12	IT RECEPT	16
17	STORAGE/JANITOR RECEPT	1-#12, 1-#12, 1-#12	20 A	1			360 VA	180 VA	1	20 A	1-#12, 1-#12, 1-#12	EXERCISE TREADMILL RECEPT	18
19	EXERCISE TREADMILL RECEPT	1-#12, 1-#12, 1-#12	20 A	1	180 VA	180 VA		1	20 A	1-#12, 1-#12, 1-#12	EXERCISE TREADMILL RECEPT	20	
21	EXERCISE RECEPT	1-#12, 1-#12, 1-#12	20 A	1		360 VA	540 VA		1	20 A	1-#12, 1-#12, 1-#12	EXERCISE RECEPT	22
23	EXERCISE RECEPT	1-#12, 1-#12, 1-#12	20 A	1			540 VA	540 VA	1	20 A	1-#12, 1-#12, 1-#12	EXERCISE RECEPT	24
25	EXERCISE RECEPT	1-#12, 1-#12, 1-#12	20 A	1	540 VA	720 VA		1	20 A	1-#12, 1-#12, 1-#12	RECEPTACLE	26	
27	RECEPT	1-#12, 1-#12, 1-#12	20 A	1		360 VA	1080 VA		1	20 A	1-#12, 1-#12, 1-#12	RECEPTACLE	28
29	MEN'S 101 HAND DRYER	1-#10, 1-#10, 1-#10	20 A	1			1500 VA	1500 VA	1	20 A	1-#10, 1-#10, 1-#10	MEN'S 101 HAND DRYER	30
31	RESTROOM 115 HAND DRYER	1-#12, 1-#12, 1-#12	20 A	1	1500 VA	1500 VA		1	20 A	1-#10, 1-#10, 1-#10	MEN'S 101 HAND DRYER	32	
33	MEN'S 126 HAND DRYER	1-#10, 1-#10, 1-#10	20 A	1		1500 VA	1500 VA		1	20 A	1-#10, 1-#10, 1-#10	WOMEN'S 125 HAND DRYER	34
35	FLUSH VALVE	1-#12, 1-#12, 1-#12	20 A	1			80 VA	1500 VA	1	20 A	1-#12, 1-#12, 1-#12	RESTROOM 134 HAND DRYER	36
37	HWRP-1, EF-101	1-#12, 1-#12, 1-#12	20 A	1	413 VA	551 VA		2	15 A	2-#12, 1-#12, 1-#12	FCU-105, WM-112	38	
39	FCU-131	2-#12, 1-#12, 1-#12	15 A	2		510 VA	551 VA	--	--	--	--	40	
41	--	--	--	--			510 VA	520 VA	2	15 A	2-#12, 1-#12, 1-#12	AHU-DOAS	42
43	EF 109,114,115,125,126,134	1-#12, 1-#12, 1-#12	20 A	1	480 VA	520 VA		2	20 A	2-#12, 1-#12, 1-#12	--	44	
45	FCU-128	2-#12, 1-#12, 1-#12	15 A	2		676 VA	1248 VA		2	20 A	2-#12, 1-#12, 1-#12	KSF-1	46
47	--	--	--	--			676 VA	1248 VA	--	--	--	48	
49	SPARE	--	20 A	1	0 VA	--			1	--	--	PROVISIONS	50
51	SPARE	--	20 A	1		0 VA	--		1	--	--	PROVISIONS	52
53	SPARE	--	20 A	1			0 VA	--	1	--	--	PROVISIONS	54
55	SPARE	--	20 A	1	0 VA	--			1	--	--	PROVISIONS	56
57	SPARE	--	20 A	1		0 VA	--		1	--	--	PROVISIONS	58
59	SPARE	--	20 A	1		0 VA	--		1	--	--	PROVISIONS	60
61	SPARE	--	20 A	1	0 VA	--			1	--	--	PROVISIONS	62
63	SPARE	--	20 A	1		0 VA	--		1	--	--	PROVISIONS	64
65	SPARE	--	20 A	1			0 VA	--	1	--	--	PROVISIONS	66
67	SPARE	--	20 A	1	0 VA	--			1	--	--	PROVISIONS	68
69	SPARE	--	20 A	1		0 VA	--		1	--	--	PROVISIONS	70
71	SPARE	--	20 A	1			0 VA	--	1	--	--	PROVISIONS	72
73	SPARE	--	20 A	1	0 VA	--			1	--	--	PROVISIONS	74
75	SPARE	--	20 A	1		0 VA	--		1	--	--	PROVISIONS	76
77	SPARE	--	20 A	1			0 VA	--	1	--	--	PROVISIONS	78
79	SPARE	--	20 A	1	0 VA	--			1	--	--	PROVISIONS	80
81	PROVISIONS	--	--	2					2	--	--	PROVISIONS	82
83	--	--	--	--					--	--	--	84	
Total Load:					9584 VA	11325 VA	10174 VA						
Total Amps:					80 A	95 A	86 A						
					LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND...	TOTALS:				
					HVAC	5845 VA	100.00%	5845 VA	TOTAL CONNECTED LOAD:				
					Other	10500 VA	100.00%	10500 VA	TOTAL CONNECTED CURRENT:				
					RECEPTACLE	6560 VA	100.00%	6560 VA	ESTIMATED DEMAND LOAD:				
									ESTIMATED DEMAND CURRENT:				
									SPARE CAPACITY:				
									31082 VA				
									86 A				
									31082 VA				
									86 A				
									61.66%				
NOTES:													

Branch Panel: LPA

LOCATION: MECHANICAL 106

VOLTAGE: 208/120V 3PH, 4W

AVAILABLE AIC:

SUPPLY SOURCE: T-LPA

PHASE: 3

WIRES: 4

SHUNT TRIP MAIN CB

SERVICE ENTRANCE RATED

FEED-THROUGH LUGS

SUB-FEED LUGS

ISOLATED GROUND BAR

MOUNTING: Surface

BRANCHE...

INTERIOR RATING: 225 A

MAINS RATING: 225 A

MAINS TYPE: MLO

POLES: 54

SERIES RATED

FULLY RATED

CKT#	DESCRIPTION	WIRE SIZE	RATIN G	POLE S	A	B	C	POLE S	RATIN G	WIRE SIZE	DESCRIPTION	CKT#	
1	PANEL LPE	3-#6, 1-#6, 1-#10	60 A	3	2272 VA	2423 VA		2	30 A	2-#10, 1-#10, 1-#10	HP-107B	2	
3	--	--	--	--		3415 VA	2423 VA	--	--	--	--	4	
5	--	--	--	--			2426 VA	2423 VA	2	30 A	2-#10, 1-#10, 1-#10	HP-107A	6
7	GYMMECHANICAL RECEPT	1-#12, 1-#12, 1-#12	20 A	1	540 VA	2423 VA		--	--	--	--	8	
9	GYM RECEPT	1-#12, 1-#12, 1-#12	20 A	1		360 VA	360 VA	1	20 A	1-#12, 1-#12, 1-#12	GYM RECEPT	10	
11	GYMMECHANICAL RECEPT	1-#12, 1-#12, 1-#12	20 A	1			540 VA	360 VA	1	20 A	1-#12, 1-#12, 1-#12	GYM RECEPT	12
13	GYM RECEPT	1-#12, 1-#12, 1-#12	20 A	1	360 VA	400 VA		1	20 A	1-#12, 1-#12, 1-#12	GYM CORD REEL	14	
15	GYM CORD REEL	1-#12, 1-#12, 1-#12	20 A	1		400 VA	360 VA	1	20 A	1-#12, 1-#12, 1-#12	RECEPTACLE	16	
17	DIGITAL SCOREBOARD	2-#8, 1-#8, 1-#10	50 A	2			3671 VA	3671 VA	2	50 A	2-#6, 1-#6, 1-#8	DIGITAL SCOREBOARD	18
19	--	--	--	--	3671 VA	3671 VA		--	--	--	--	20	
21	DIGITAL SCOREBOARD	2-#4, 1-#4, 1-#6	50 A	2			3671 VA	3671 VA	2	50 A	2-#6, 1-#6, 1-#8	DIGITAL SCOREBOARD	22
23	--												