

ADDENDUM NO. 3

ORANGE BEACH TRAIL MAINTENANCE SHOP AND WILDLIFE CENTER CITY OF ORANGE BEACH

ADDENDUM NO. THREE (3) – DATED March 8, 2022

This Addendum is directed to all bidders to whom the City of Orange Beach and Printing Pros has issued drawings and specifications. The following conditions, drawings, specification changes, etc., take precedence over any conflicting conditions in the Drawings and Specifications or other Contract and Bid Documents. Portions of the Contract Documents not changed by Addendum remain in effect.

SPECIFICATIONS

ITEM 3.01 09 9000 PAINTING (ATTACHED)

Clarification added to show where painting of building is intended in Section 3.7 A.1.

ITEM 3.02 13 3419 METAL BUILDING SYSTEMS (FOR REFERENCE)

Colors for all metal building components shall be based on MBCI Signature 200 Standard Color Chart.

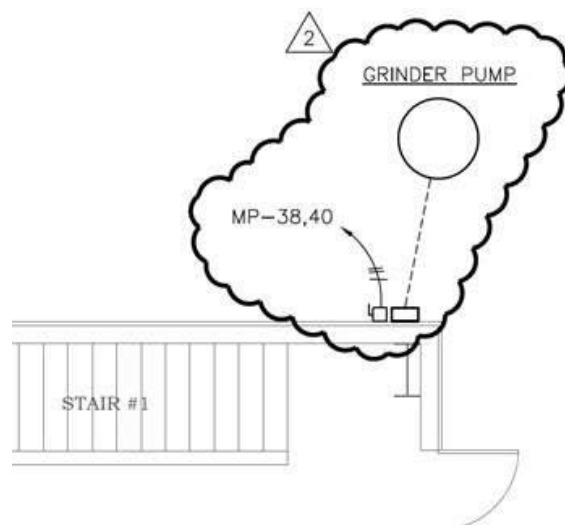
DRAWINGS

ITEM 3.03 DRAWING A4.5 – PHASE 1 ALTERNATE 2 (ATTACHED)

Drawing has been revised to reflect wall changes and conditions.

ITEM 3.04 DRAWING E2.1, PHASE 1 ALTERNATE 1, REV 2 (ATTACHED)

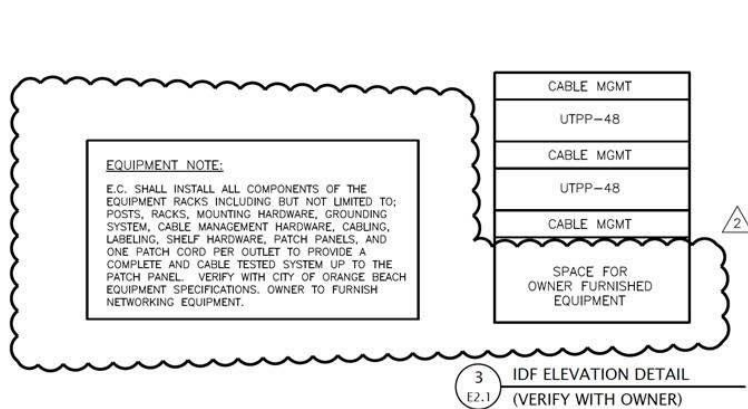
Add Grinder Pump location with 240V, 40A control panel and 240V, 60A, non-fused, NEMA 3R disconnect switch with connection from disconnect switch to control panel. Furnish 2" conduit sleeve from control panel to grinder pump tank. Include conduit seal at panel to prevent sewer gas entry into control panel. Grinder pump installation contractor to furnish and install pump and control cabling into the control panel. EC to perform all terminations. Reference Site Civil Utility plan for exact location.



ITEM 3.05

DRAWING E2.1, PHASE 1 ALTERNATE 1, REV 2 (ATTACHED)

Revise Communication Scope of Work to furnish all communication work with exception to network switch, UPS, thermal management systems of which shall be furnished and installation by Owner's IT / Communication Vendor.



ITEM 3.06

DRAWING E3.0, PHASE 1 ALTERNATE 1, REV 2 (ATTACHED)

Revise Panel MP, circuit MP-38,40 from 30A/2P TO 40/2P and Add load from 240V Grinder Pump.

2	17597	0		2	40	HP-2	30,32	
2			14676	0	2	40	HP-2	30,32
2	15221	4560		2	60	HP-3	34,36	
2			12004	4560	2	60	HP-3	34,36
2	0	3000		2	40	GRINDER PUMP	38,40	
2			0	3000	2	40	GRINDER PUMP	38,40
CONNECTED LOAD PHASE TOTALS (VA)								
52480		47788						
CONNECTED LOAD (KVA)		DEMAND FACTOR		DEMAND LOAD (KVA)		DEMAND LOAD		
13.0		1.00		13.0		90.4 KVA		
						SPARE CAPACITY		
						53.6 KVA		
						SPARE CAPACITY		
						223.3 AMPS		

NOTE: Receipt of all addenda must be acknowledged on the Bid Form in order for the proposal to be considered a conforming bid.

Stedmann B. McCollough
 McCollough Architecture, Inc.

END OF ADDENDUM #3

SECTION 09 9000 - PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes surface preparation and field painting of the following:
 - 1. Exposed exterior items and surfaces.
 - 2. Exposed interior items and surfaces.
 - 3. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.
- B. Paint exposed surfaces, except where the paint schedules indicate that a surface or material is not to be painted or is to remain natural. If the paint schedules do not specifically mention an item or a surface, paint the item or surface the same as similar adjacent materials or surfaces whether or not schedules indicate colors. If the schedules do not indicate color or finish, the Architect will select from paint manufacturer's standard colors and finishes available.
- C. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels.
 - 1. Labels: Do not paint over Underwriters Laboratories (UL), Factory Mutual (FM), or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.

1.3 DEFINITIONS

- A. General: Standard coating terms defined in ASTM D 16 apply to this Section.
 - 1. Flat refers to a lusterless or matte finish with a gloss range below 15 when measured at an 85-degree meter.
 - 2. Eggshell refers to low-sheen finish with a gloss range between 5 and 20 when measured at a 60-degree meter.
 - 3. Satin refers to low-sheen finish with a gloss range between 15 and 35 when measured at a 60-degree meter.
 - 4. Semigloss refers to medium-sheen finish with a gloss range between 30 and 65 when measured at a 60-degree meter.
 - 5. Full gloss refers to high-sheen finish with a gloss range more than 65 when measured at a 60-degree meter.

1.4 SUBMITTALS

- A. Product Data: For each paint system specified. Include block fillers and primers.

1. Material List: Provide an inclusive list of required coating materials. Indicate each material and cross-reference specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
 2. Manufacturer's Information: Provide manufacturer's technical information, including label analysis and instructions for handling, storing, and applying each coating material proposed for use.
- B. Samples for Initial Selection: Manufacturer's color charts showing the full range of colors available for each type of finish-coat material indicated.

1.5 QUALITY ASSURANCE

- A. Applicator Qualifications: Engage an experienced applicator who has completed painting system applications similar in material and extent to that indicated for this Project with a record of successful in-service performance.
- B. Source Limitations: Obtain block fillers, primers, and undercoat materials for each coating system from the same manufacturer as the finish coats.
- C. Benchmark Samples (Mockups): Provide a full-coat benchmark finish sample of each type of coating and substrate required on the Project. Comply with procedures specified in PDCA P5.
1. The Architect will select one room surface to represent surfaces and conditions for each type of coating and substrate to be painted.
 - a. Wall Surfaces: Provide samples on at least 100 sq. ft. of wall surface.
 - b. Small Areas and Items: The Architect will designate an item or area as required.
 2. After permanent lighting and other environmental services have been activated, apply coatings in this room or to each surface according to the Schedule or as specified. Provide required sheen, color, and texture on each surface.
 3. Final approval of colors will be from job-applied samples.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the Project Site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label, and the following information:
1. Product name or title of material.
 2. Product description (generic classification or binder type).
 3. Manufacturer's stock number and date of manufacture.
 4. Contents by volume, for pigment and vehicle constituents.
 5. Thinning instructions.
 6. Application instructions.
 7. Color name and number.
 8. VOC content.
- B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 deg F. Maintain containers used in storage in a clean condition, free of foreign materials and residue.

1. Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and application.

1.7 PROJECT CONDITIONS

- A. Apply water-based paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 50 and 90 deg F.
- B. Apply solvent-thinned paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 45 and 95 deg F.
- C. Do not apply paint in rain, fog, or mist; or when the relative humidity exceeds 85 percent; or at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.
 1. Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by manufacturer during application and drying periods.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Unless otherwise specified, paint materials and systems specified herein are those of Porter Paint Co. (Porter). Subject to compliance with requirements, equivalent materials and systems by one of the following manufacturers are also acceptable:
 1. Devoe and Reynolds Co. (Devoe).
 2. Benjamin Moore and Co. (Moore).
 3. Pratt and Lambert (P & L).
 4. Glidden.
 5. Sherwin Williams
 6. ICI Paints

2.2 PAINT MATERIALS, GENERAL

- A. Material Compatibility: Provide block fillers, primers, undercoats, and finish-coat materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
- B. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified. Paint-material containers not displaying manufacturer's product identification will not be acceptable.
- C. Colors: Provide color selections made by the Architect.

2.3 LEAD CONTENT

- A. The paint shall comply with the latest requirements of the Federal Government for maximum allowable lead content. Such compliance shall be stated on the MSDS and container clearly identifying the product.

2.4 VOC COMPLIANCE

- A. The paint shall comply with the latest requirements of Federal, Florida State, City or Local Government requirements for the maximum allowable VOC content at the time of purchase. Such compliance shall be stated on the MSDS and container clearly identifying the product.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with the Applicator present, under which painting will be performed for compliance with paint application requirements.
 - 1. Do not begin to apply paint until unsatisfactory conditions have been corrected and surfaces receiving paint are thoroughly dry.
 - 2. Start of painting will be construed as the Applicator's acceptance of surfaces and conditions within a particular area.
- B. Coordination of Work: Review other Sections in which primers are provided to ensure compatibility of the total system for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.
 - 1. Notify the Architect about anticipated problems using the materials specified over substrates primed by others.

3.2 PREPARATION

- A. General: Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items already installed that are not to be painted. If removal is impractical or impossible because of the size or weight of the item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.
- B. Cleaning: Before applying paint or other surface treatments, clean the substrates of substances that could impair the bond of the various coatings. Remove oil and grease before cleaning.
 - 1. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.
- C. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.
 - 1. Provide barrier coats over incompatible primers or remove and reprime.
 - 2. Cementitious Materials: Prepare concrete and concrete masonry surfaces to be painted. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods of surface preparation.
 - a. Use abrasive blast-cleaning methods if recommended by paint manufacturer.
 - b. Determine alkalinity and moisture content of surfaces by performing appropriate tests. If surfaces are sufficiently alkaline to cause the finish paint to blister and burn, correct this condition before application. Do not paint surfaces where moisture content exceeds that permitted in manufacturer's written instructions.

3. Wood: Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.
 - a. Seal tops, bottoms, and cutouts of unprimed wood doors with a heavy coat of varnish or sealer immediately on delivery.
 4. Ferrous Metals: Clean ungalvanized ferrous-metal surfaces that have not been shop coated; remove oil, grease, dirt, loose mill scale, and other foreign substances. Use solvent or mechanical cleaning methods that comply with the Steel Structures Painting Council's (SSPC) recommendations.
 - a. Touch up bare areas and shop-applied prime coats that have been damaged. Wire-brush, clean with solvents recommended by paint manufacturer, and touch up with the same primer as the shop coat.
 5. Galvanized Surfaces: Clean galvanized surfaces with nonpetroleum-based solvents so surface is free of oil and surface contaminants. Remove pretreatment from galvanized sheet metal fabricated from coil stock by mechanical methods.
- D. Materials Preparation: Mix and prepare paint materials according to manufacturer's written instructions.
1. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.
 2. Stir material before application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material. If necessary, remove surface film and strain material before using.
 3. Use only thinners approved by paint manufacturer and only within recommended limits.

3.3APPLICATION

- A. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.
1. Paint colors, surface treatments, and finishes are indicated in the schedule.
 2. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
 3. Provide finish coats that are compatible with primers used.
 4. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, grilles, and similar components are in place. Extend coatings in these areas, as required, to maintain the system integrity and provide desired protection.
 5. Paint surfaces behind movable equipment and furniture the same as similar exposed surfaces. Before the final installation of equipment, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
 6. Paint interior surfaces of ducts with a flat, non specular black paint where visible through registers or grilles.
 7. Paint back sides of access panels and removable or hinged covers to match exposed surfaces.
 8. Finish exterior doors on tops, bottoms, and side edges the same as exterior faces.
 9. Sand lightly between each succeeding enamel or varnish coat.

- B. Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.
1. The number of coats and the film thickness required are the same regardless of application method. Do not apply succeeding coats until the previous coat has cured as recommended by the manufacturer. If sanding is required to produce a smooth, even surface according to manufacturer's written instructions, sand between applications.
 2. Omit primer on metal surfaces that have been shop primed and touchup painted.
 3. If undercoats, stains, or other conditions show through final coat of paint, apply additional coats until paint film is of uniform finish, color, and appearance. Give special attention to ensure edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.
 4. Allow sufficient time between successive coats to permit proper drying. Do not recoat surfaces until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and where application of another coat of paint does not cause the undercoat to lift or lose adhesion.
- C. Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions. All metal surfaces shall be sprayed except that piping, conduit, and ductwork may be brushed or rolled.
1. Brushes: Use brushes best suited for the type of material applied. Use brush of appropriate size for the surface or item being painted.
 2. Rollers: Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended by the manufacturer for the material and texture required.
 3. Spray Equipment: Use airless spray equipment with orifice size as recommended by the manufacturer for the material and texture required.
- D. Minimum Coating Thickness: Apply paint materials no thinner than manufacturer's recommended spreading rate. Provide the total dry film thickness of the entire system as recommended by the manufacturer.
- E. Electrical items to be painted include, but are not limited to, the following:
1. Exposed conduit and fittings.
 2. Exterior switchgear.
- F. Block Fillers: Apply block fillers to concrete masonry block at a rate to ensure complete coverage with pores filled.
- G. Prime Coats: Before applying finish coats, apply a prime coat of material, as recommended by the manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn through or other defects due to insufficient sealing.
- H. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.

- I. Transparent (Clear) Finishes: Use multiple coats to produce a glass-smooth surface film of even luster. Provide a finish free of laps, runs, cloudiness, color irregularity, brush marks, orange peel, nail holes, or other surface imperfections.
 - 1. Provide satin finish for final coats.
- J. Stipple Enamel Finish: Roll and redistribute paint to an even and fine texture. Leave no evidence of rolling, such as laps, irregularity in texture, skid marks, or other surface imperfections.
- K. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not complying with requirements.

3.4 FIELD QUALITY CONTROL

- A. The Owner reserves the right to invoke the following test procedure at any time and as often as the Owner deems necessary during the period when paint is being applied:
 - 1. The Owner will engage the services of an independent testing agency to sample the paint material being used. Samples of material delivered to the Project will be taken, identified, sealed, and certified in the presence of the Contractor.
 - 2. The testing agency will perform appropriate tests for the following characteristics as required by the Owner:
 - a. Quantitative material analysis.
 - b. Abrasion resistance.
 - c. Apparent reflectivity.
 - d. Flexibility.
 - e. Washability.
 - f. Absorption.
 - g. Accelerated weathering.
 - h. Dry opacity.
 - i. Accelerated yellowness.
 - j. Recoating.
 - k. Skinning.
 - l. Color retention.
 - m. Alkali and mildew resistance.
 - 3. The Owner may direct the Contractor to stop painting if test results show material being used does not comply with specified requirements. The Contractor shall remove noncomplying paint from the site, pay for testing, and repaint surfaces previously coated with the rejected paint. If necessary, the Contractor may be required to remove rejected paint from previously painted surfaces if, on repainting with specified paint, the 2 coatings are incompatible.

3.5 CLEANING

- A. Cleanup: At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from the site.
 - 1. After completing painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping. Be careful not to scratch or damage adjacent finished surfaces.

3.6 PROTECTION

- A. Protect work of other trades, whether being painted or not, against damage by painting. Correct damage by cleaning, repairing or replacing, and repainting, as approved by Architect.
- B. Provide "Wet Paint" signs to protect newly painted finishes. Remove temporary protective wrappings provided by others to protect their work after completing painting operations.
 - 1. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces. Comply with procedures specified in PDCA P1.

3.7 PAINT SCHEDULE

- A. General: Provide the following paint systems for the various substrates, as indicated.
 - 1. Pre-Engineered Metal Building Structure and Components (in all visible areas not heated and cooled included but not limited to the Breezeway; Machine/Shop and Mezzanine areas).
 - a. Prime Coat:
 - 1) Sherwin Williams: Kem Kromik Universal Metal Primer, B50Z Series.
 - b. First and Second Finish Coats: Semi-Gloss Waterbased Alkyd Urethane Enamel. Equal to Sherwin Williams "Industrial Urethane Alkyd Enamel"; B54-150 Series.
 - 2. Exterior Galvanized Metal: Acrylic Gloss Exterior Paint.
 - a. Prime Coat: Rust Inhibitive Primer.
 - 1) Sherwin Williams: Pro Industrial ProCryl Universal Metal Primer, B66W310.
 - c. First and Second Finish coats: High-Sheen Gloss Acrylic Enamel.
 - 1) Sherwin Williams: Pro Industrial Acrylic Gloss, B66-610 Series.
 - 3. Exterior Concrete Block: Flat Acrylic Paint
 - a. Prime Coat: Block filler
 - 1) Sherwin Williams: Pro Industrial Heavy Duty Block Filler, b42W150.
 - a. First and Second Finish Coats: Flat Acrylic Exterior Paint.
 - 1) Sherwin Williams: Duration Exterior Acrylic Flat, K32-250 Series.
 - 4. Interior Gypsum Drywall Ceilings and Walls; Satin-Gloss Vinyl Acrylic Paint.
 - a. Prime Coat: Vinyl Acrylic Drywall Sealer.
 - 1) Sherwin Williams: ProMar 200 Zero VOC Primer, B26W2600.
 - b. First and Second Finish Coats: Egshel Vinyl Acrylic Paint.
 - 1) Sherwin Williams: ProMar 200 Zero VOC Latex EgShel, B20-1250 Series.
 - 5. Exterior Aluminum; Egshel Acrylic Enamel Finish.
 - a. Prime Coat:
 - 1) Sherwin Williams: Pro Industrial ProCryl Universal Metal Primer, B66W310.
 - b. First and Second Finish Coats: Egshel Acrylic Exterior Paint.
 - 1) Sherwin Williams: Pro Industrial Acrylic Egshel, B66-660 Series.

6. Epoxy Paint (where specified in Finish Schedule);
 - a. Prime Coat: Loxon, Block Surfacer LX1W200(at concrete and concrete block) equal to Sherwin Williams.
 - b. Finish Coat: Precatalyzed Waterbaed Epoxy, Egshel, K45 Series, equal to Sherwin Williams.

END OF SECTION 09 9000



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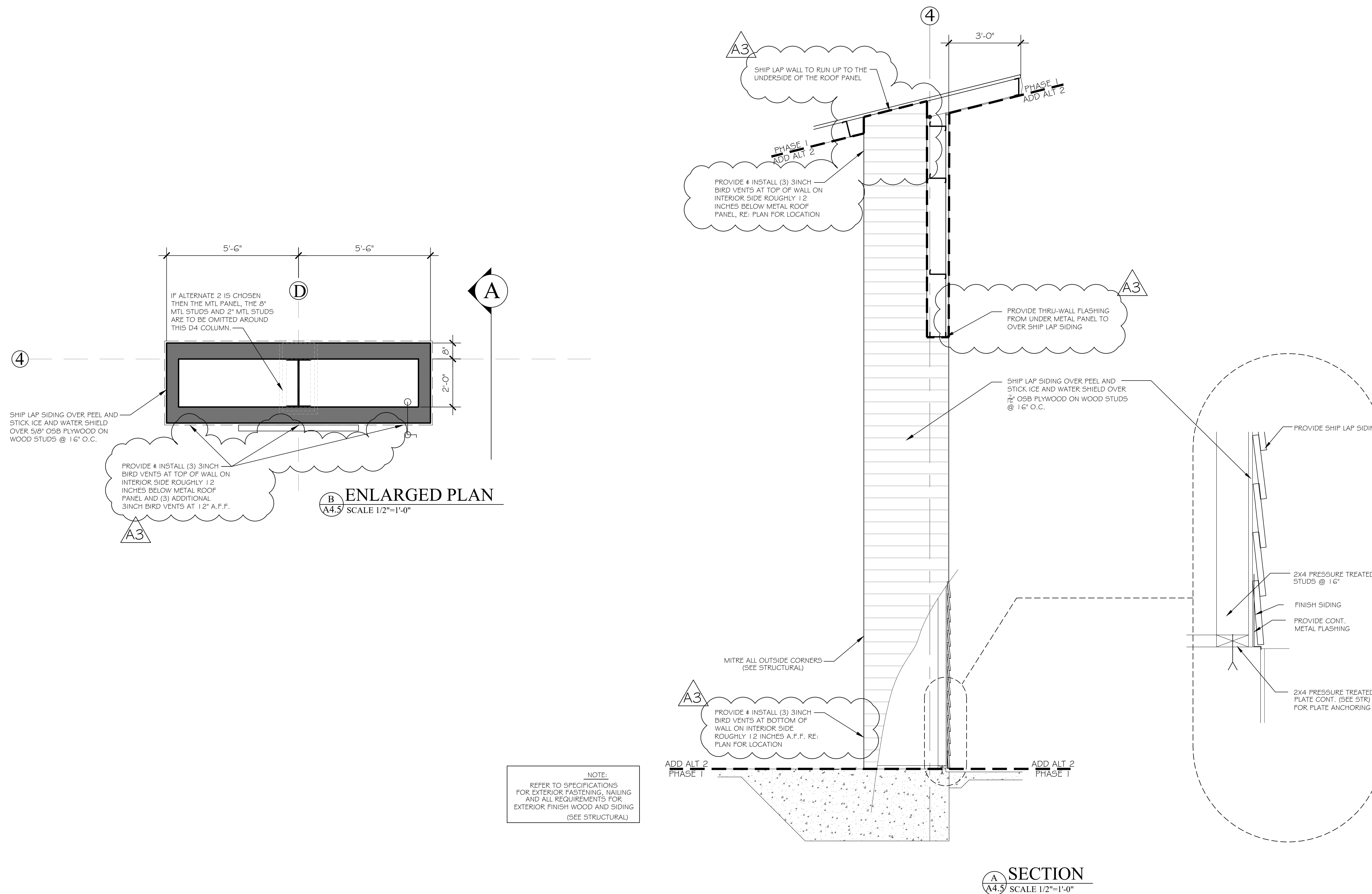
PHASE I DRAWINGS FOR
ORANGE BEACH
TRAIL SHOP / WILDLIFE CENTER
ORANGE BEACH
ALABAMA

JOB NO.: 21-05
DRAWN: CLT
CHECKED: SBM
DATE: 2021.06.01
REVISION:
▲ ADDENDUM 2 2022.03.04
▲ ADDENDUM 3 2022.03.08

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

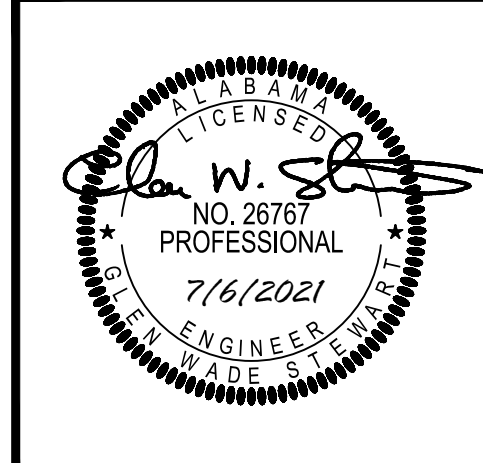
SHEET NO.:
ALT 2
A4.5

SECTIONS AND DETAILS



PHASE I ADD ALTERNATE 2

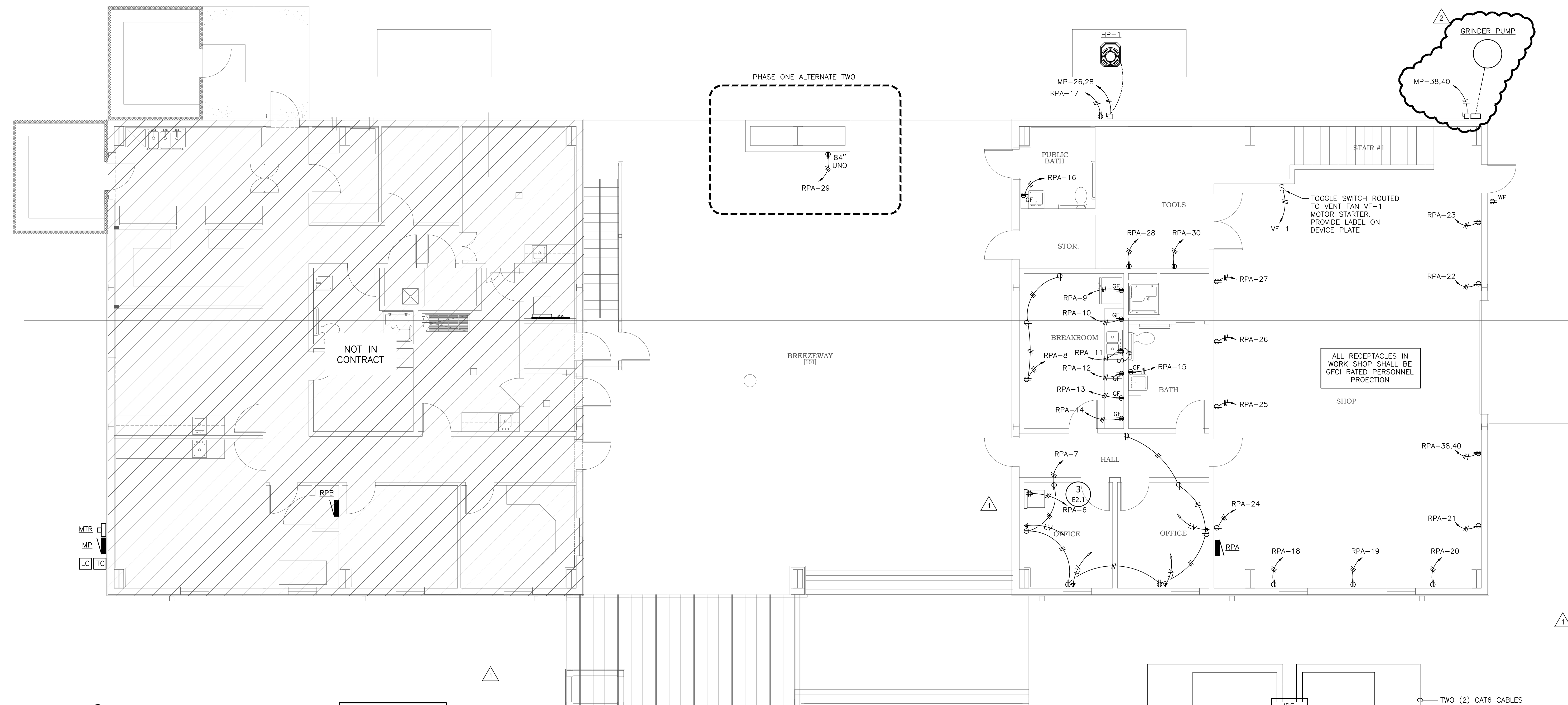
STEWART ENGINEERING AND CONSTRUCTION
 40680 STATE HWY 59
 BAY MINETTE, ALABAMA 36507
 (251) 937-6313 (251) 937-1782 Fax
 wstewart@stewartengineering.net



PHASE 1 ALTERNATE 1 DRAWINGS FOR
ORANGE BEACH TRAIL SHOP
 ORANGE BEACH ALABAMA

JOB NO.:
 DRAWN: GWS
 CHECKED: GWS
 DATE: 2021.04.22
 REVISION: 1 2022.01.04
 2 2022.03.07
 SCALE: AS SHOWN
 SHEET NO.:
E2.1
 POWER & AUX
 FIRST FLOOR ALTERNATES

CATEGORY 6 TERMINATION NOTE:
 MAKE ALL TERMINATIONS IN STRICT ACCORDANCE WITH TIA GUIDELINES AS WELL AS THE MANUFACTURER'S PRINTED INSTRUCTION FOR BOTH THE CABLE AND THE TERMINATION DEVICE FOR ALL FIELD CONNECTIONS IN THE "HORIZONTAL TELECOMMUNICATIONS LINK". STRIP CABLE JACKET BACK A MAXIMUM OF 1 INCH FROM THE POINT OF TERMINATION. MAINTAIN FACTORY SYMMETRICAL CABLE TWISTS TO WITHIN 0.5 INCHES OF THE POINT OF TERMINATION. PROVIDE CABLE SLACK AT EACH END ALLOW MINIMUM OF FIVE (5) FUTURE RE-TERMINATIONS WITHOUT RE-ROUTING CABLE.



EQUIPMENT NOTE:
 E.C. SHALL INSTALL ALL COMPONENTS OF THE EQUIPMENT RACKS INCLUDING BUT NOT LIMITED TO: POSTS, RACKS, MOUNTING HARDWARE, GROUNDING SYSTEM, CABLE MANAGEMENT HARDWARE, CABLING, LABELING, SHELF HARDWARE, PATCH PANELS, AND ONE PATCH CORD PER OUTLET TO PROVIDE A COMPLETE AND CABLE TESTED SYSTEM UP TO THE PATCH PANEL. VERIFY WITH CITY OF ORANGE BEACH EQUIPMENT SPECIFICATIONS. OWNER TO FURNISH NETWORKING EQUIPMENT.

CABLE MGMT
UTPP-48
CABLE MGMT
UTPP-48
CABLE MGMT
SPACE FOR OWNER FURNISHED EQUIPMENT

3 IDF ELEVATION DETAIL (VERIFY WITH OWNER)

1 POWER & AUX - FIRST FLOOR
 SCALE: 3/16" = 1'-0"

2 COMMUNICATION RISER

