03930 – CONCRETE REHABILITATION

SUMMARY
- A. Section Includes:
  1. Concrete rehabilitation for interior concrete floors including the following:
     - a. Joint edge spall repair.
     - b. Crack repair.
     - c. Surface defect repair, including pop-outs, chips, spalls, and pitting.

SUBMITTAL
- A. Submit informations per the requirements in Division 01 Section "01330-Submittal Procedures and Requirements. "
- B. Samples: Submit one dry sample of polyurea joint filler for each color require to match existing slab color to Architect for approval prior to work commencement.

QUALITY ASSURANCE
- A. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "01310-Project Management and Coordination. "
- B. Required Qualifications.

PRODUCT
- A. Provide proper product for work described below or as necessary for identified repairs required on site.
- B. Provide product color with the closest match to slab color(s).

EXAMINATION
- A. Examine surfaces and adjacent areas where products will be installed and verify that surfaces conform to product manufacturer's requirements for substrate conditions.
- B. Beginning of installation indicates acceptance of substrate conditions.
- C. Evaluate existing floor slab, identifying defects to be repaired. Scope of repairs shall be agreed to by Hutton and Owner prior to commencement of work.
- D. Protect existing construction from dust and moisture damage caused by demolition, preparation and installation of slab repair.
- E. Protect surface of slab immediately adjacent to defect under repair.

INSTALLATION
- A. General:
  1. Concrete rehabilitation work specified shall be performed within the limits of the area of exposed concrete floor visible to customers as shown on Drawings.
  2. Installation of specified products shall be in accordance with product manufacturer's written instructions.
  3. Verify that sawing and grinding tools are equipped with a dust collection system as specified herein.
  4. For all repairs clean joints of moisture, loose concrete, existing joint filler, laitance, dust, and debris with a HEPA-rated filter vacuum.
  5. Mix and install repair materials in accordance with manufacturer's instructions.
- B. Joint Milling and Cap Filler Replacement:
  1. If existing joint filler is sound and resting on top of saw cut shelf, mill top 1/2" of material and refill with specified polyurea joint filler.
  2. Re-saw the joint to a minimum depth of 1/2 inch with a dry-cut, vacuum-equipped saw using a slightly oversized blade. Use blade of sufficient width to encapsulate the widest spall along a given contraction joint segment to produce a sharp corner on each side of the joint with a minimum of two passes through the joint.
  3. Refill with polyurea joint filler material from the bottom up. Avoid trapping large air bubbles. Slightly overfill and shave flush to the surface prior to grinding process.
  4. After grinding, joint shall be smooth and flush with finish floor surface without concave or intermittent darkened profile.
- C. Full Depth Joint Filler Replacement:
  1. If existing joint filler is loose, easily removed, or able to be forced downward with a hand tool, remove filler material from joint and refill.
  2. Re-saw joint full depth with a dry-cut, vacuum-equipped saw using a slightly oversized blade. Use blade of sufficient width to encapsulate the widest spall along a given contraction joint segment to produce a sharp corner on each side of the joint with a minimum of two passes through the joint. Remove filler material, debris, and laitance.
  3. If shelf width at base of saw cut is less than 1/4 inch on either side of joint, fill joint with compressible backer rod to not more than 2 inches below slab surface.
  4. Refill with polyurea joint filler material from the bottom up. Avoid trapping large air bubbles. Slightly overfill and shave flush to the surface prior to grinding process.
  5. After grinding, joint shall be smooth and flush with finish floor surface without concave or intermittent darkened profile.
- D. Spalling Joint Repair: (Less Than 1")
  1. For joints that are spalled or have radius tooled edges not exceeding 1 inch in width at slab surface, re-saw the joint edge to a minimum depth of 3/4 inch with a dry-cut, vacuum-equipped saw allowing removal of the widest spall (or top of radius) along a given joint segment to produce a sharp corner on each side of the joint with a minimum of two passes through joint.
  2. Gravity feed a trace amount (1/8 inch) of silica sand into joint to prevent 3-sided bonding of joint filler. Use proper dust control methods in handling silica sand.
  3. Fill joint cavity, avoiding trapping large air bubbles. Install filler so that it penetrates the irregular aggregate interlock portion of the sawn contraction joint as shown above, re-establishing the aggregate interlock that may have been lost due to shrinkage, curling, and lack of reinforcement. Overfill joint slightly and shave flush to slab surface prior to grinding process.
- E. Construction Joint Repair: (Greater Than 1")
  1. For construction joints exceeding 1inch in width at slab surface or greater than 1/4 inch height differential at abutting joint edges, re-saw the construction joint edge to a minimum depth of 3/4 inch with a dry-cut, vacuum-equipped saw allowing removal of the widest spall along a given joint segment to produce a sharp corner on each side of the joint with a minimum of two passes through joint. Maintain consistent width of repair to within 1/2 inch in 10 feet.
     - a. For construction joints of 1/4 inch or greater height differential at abutting joint edges, slope repair material 1/4 inch per foot at floor surface with consistent depth of material at 1/2 inch below repair surface.
  2. Do not repair cracks less than 1/32 inch in width without surface spalling.
- F. Crack Repair:
  1. Cracks From 1/32 Inch to 1/4 Inch in Width:
     - a. Install low viscosity rigid urethane repair material.
     - b. Repeat until voids are filled and material crowns slab surface.
     - c. Shave or grind material flush to surface.
  2. Cracks From 1/4 Inch to 1 Inch in Width:
     - a. Saw top or edge of crack to provide square edge, minimum ¾" in depth.
     - b. Install polyurea joint filler.
       - Dispense material, dragging dispenser tip along crack, until it flows over the slab.
     - c. Shave material flush to slab surface.
- G. Surface Spalling Repair:
  1. Route edge of spall to provide 1/2 inch deep square edge.
     - a. Do not overcut slots into existing slab surface.
  2. Install low viscosity rigid urethane repair material using tube cartridge without flow restrictor.
  3. Polish repair area with diamond disks to blend surface.
     - a. Feather filler material into the adjacent concrete floor surface.
  4. For spalled joints, use form material if required to temporarily support vertical face of spalled joint edge. Prevent repair material from adhering to form.
- H. Rack Bolt Hole/Spall Repair:
  1. Recess steel bolt a minimum of 1/2 inch below finish floor by either punching or cutting.
  2. For spall fracture edge less than 30 degrees, square edge to a minimum 3/8 inch depth with either a drill bit or chisel.
  3. Dispense low viscosity rigid urethane at moderate pace using steady pressure. Dispense material into void, refilling as necessary to produce slight crown.
  4. Grind material flush to slab surface.
- I. Large Surface Repair:
  1. Edge perimeter to produce sharp edge at least 3/8 inch deep.
  2. Protect adjacent slab surface with tape at perimeter of repair area, width as required to prevent scratching during troweling operations.
  3. Place repair material in floor surface defect and float level.
  4. Re-establish original concrete slab joints by sawing completely through patch and re-filling with polyurea joint filler prior to exposure to traffic.
- J. Surface Pitting Repair:
  1. Dispense low viscosity rigid urethane repair material generously in and around pitted areas.
  2. Immediately trowel repair material flush with slab surface and repeat troweling in opposite directions until material begins to thicken (approximately 2 minutes). If material sticks to trowel, wipe with denatured alcohol.
     - a. Provide thin, uniform layer of repair material over pitted areas. Refill low spots as needed.
  3. Grind overfill until repair material is flush with slab surface.
  4. Repeat repairs in areas as required if repair material pulls out of defects.

PROTECTION
- A. Protect surfaces of finished floor.
- B. Prohibit traffic until floor repairs have received final approval by Owner.

05400 - COLD FORM METAL FRAMING

SUMMARY
- A. Section Includes:
  1. Cold formed steel stud exterior and interior framing 20 gauge and heavier.

SUBMITTAL
- A. Submit informations per the requirements in Division 01 Section "01330-Submittal Procedures and Requirements. "
- B. Add any requirements beyond section 01330 for review and approval.

QUALITY ASSURANCE
- A. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "01310-Project Management and Coordination. "
- B. Installer Qualifications: Company specializing in the installation of cold formed metal framing components with minimum five years documented experience.
- C. Qualifications for Welding Work: Qualify welding operators in accordance with Standard Qualification Procedures as required by AWS D1.1.
- D. Required Qualifications.

PRODUCT
- A. Comply with AISI North American Specification for the Design of Cold-Formed Steel Structural Members and Standard for Cold-Formed Steel Framing.
- B. Material Thickness: Gauge shown on Drawings shall have the following minimum base metal thickness.
  1. 20 gauge: 33 mils.
  2. 18 gauge: 43 mils.
  3. 16 gauge: 54 mils.
  4. 14 gauge: 68 mils.
- C. Finishes:
  1. Protective Coating: CP 60: G60 (Z180), A60 (ZF180), AZ50 (AZM150), or GF30 (ZGF90).
  2. Galvanizing Repair Paint: SSPC-Paint 20, Type II - organic.

EXAMINATION
- A. Examine surfaces and adjacent areas where products will be installed and verify that surfaces conform to product manufacturer's requirements for substrate conditions.
- B. Beginning of installation indicates acceptance of substrate conditions.

INSTALLATION
- A. Install cold-formed metal framing in accordance with ASTM C 1007 and AISI North American Standard for Cold-Formed Steel Framing and to manufacturer's written instructions unless more stringent requirements are shown or specified.
- B. Install system to provide for movement of components without damage, failure of joint seals, undue stress on fasteners, or other detrimental effects when subject to seasonal or cyclic day/night temperature ranges.
- C. Install system to accommodate construction tolerances, deflection of building structural members, and clearances of intended openings.
- D. Install cold-formed metal framing and accessories plumb, square, and true to line, and with connections securely fastened.
- E. Install framing members in one-piece lengths.
- F. Perform field welding in accordance with AWS D1.3.
- G. Coordinate erection of studs with hollow metal door frames and overhead coiling door frames.
- H. Coordinate installation of anchors, supports, and blocking for mechanical, electrical, and building accessory items installed within framing.

FIELD QUALITY CONTROL
- A. Field quality control shall be the responsibility of the Subcontractor in accordance with Section 01452. Field quality control testing and inspection shall be at the discretion of the Contractor as necessary to assure compliance with Contract requirements.

06100 - ROUGH CARPENTRY

SUMMARY
- A. Section Includes:
  1. Blocking and nailers for roofing system and related metal flashings.
  2. Concealed blocking behind wall mounted items.
  3. Structural panel products.
  4. Non-structural panel products including the following:
     - a. Backing for electrical and telephone equipment.
     - b. Panels concealed within gypsum board and metal stud partitions.
     - c. Panels used as finish material; walls, ceilings, wainscots, and bases.

QUALITY ASSURANCE
- A. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination. "
- B. Lumber Grading Agency: Lumber to be grade stamped by an agency certified by the Board of Review of the American Lumber Standards Committee (ALSC).
- C. Plywood Grading Agency: Certified by APA.
- D. Regulatory Requirements: Conform to applicable codes for fire retardant treatment of wood surfaces for flame/smoke ratings.

DELIVERY, STORAGE, AND HANDLING
- A. Transport, handle, store, and protect products in compliance with the requirements of Section 01600.
- B. Provide proper facilities for handling and storage of materials to prevent damage to edges, ends and surfaces.
- C. Keep materials dry. Stack materials off ground a minimum of 12 inches or if on concrete slab-on-grade a minimum of 1-1/2 inches, fully protected from weather. Provide for air circulation around stacks and under coverings.

MATERIALS AND PRODUCTS
- A. Lumber: PS 20; S4S. Maximum of 19 percent moisture content, surfaced dry, No. 2 any species graded under WWPA grading rules or No. 3 Grade Southern Pine graded under SPIB grading rules.
- B. Nonstructural Panel: DOC PS 1 or PS 2.
  1. Type 1 (Interior): Grade C-D Plugged veneer plywood, Exposure 1, locations and thickness indicated on the Drawings. Fire treated.
- C. Structural Panels: DOC PS 1 or PS 2.
  1. Plywood Wall Sheathing: Exterior for exterior, Exposure 1 for interior, span rating required to support spacing indicated on Drawings. Thickness: Indicated on Drawings.
  2. Plywood Roof Sheathing: Exposure 1, Structural I, span rating as required to suit support spacing indicated on Drawings. Thickness: As indicated on Drawings.

EXAMINATION
- A. Examine areas to receive rough carpentry work and verify following:
  1. That installation of building components to receive rough carpentry work is complete.
  2. That surfaces are satisfactory to receive work.
  3. That spacing, direction and details of supports are correct to accommodate installation of blocking, backing, stripping, furring and nailing strips.

INSTALLATION
- A. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit. Locate furring, nailers, blocking, grounds, and similar supports to comply with requirements for attaching other construction.
  1. Construct members of continuous pieces of longest possible lengths.
  2. Do not splice structural members between supports, unless otherwise indicated.
- B. Provide blocking and framing indicated and necessary to support facing materials, fixtures, specialty items, and trim.
  1. Provide metal clips for fastening gypsum board or lath at corners and intersections where framing or blocking does not provide a surface for fastening edges of panels. Space clips not more than 16 inches o.c.
- C. Secure members in place with specified fastener. Select fasteners of size that will not fully penetrate members where opposite side will be exposed to view or will receive finish materials. Make tight connections between members. Install fasteners without splitting wood. Do not countersink nail heads unless otherwise indicated.
- D. Wood Ground, Sleeper, Blocking, and Nailer: Install where indicated and where required for screeding or attaching other work. Form to shapes indicated and cut as required for true line and level of attached work. Coordinate locations with other work involved.
  1. Attach items to substrates to support applied loading. Recess bolts and nuts flush with surfaces, unless otherwise indicated.
  2. Recess heads of fasteners below surface of wood members.
- E. Wood Furring: Install level and plumb with closure strips at edges and openings. Shim with wood as required for tolerance of finish work.
- F. Install firestopping complying with Section 07840 in concealed spaces with wood blocking, horizontally and vertically in accordance with drawings, minimum 2 inches thick where space is not blocked by framing members.
- G. Tapered Wood Shim (edge strip) at Parapet Cap:
  1. Provide shaped high density wood fiber or wood material as indicated at the optional Parapet Detail.
  2. Shape wood material for continuous support of metal coping.
- H. Fasteners: Install fasteners with manufacturer's recommended power tool for each type of fastener.

PROTECTION
- A. Protect rough carpentry from weather throughout construction period.

06200 - FINISH CARPENTRY

SUMMARY
- A. Section Includes but not limited to:
  1. Interior standing and running trim.
  2. Wood Shelving.
  3. Moldings.
  4. Miscellaneous Items.

QUALITY ASSURANCE
- A. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination. "

DELIVERY, STORAGE AND HANDLING
- A. Section 01600 - Material and Equipment: Transport, handle, store, and protect products.

MATERIAL
- A. All woodwork materials shall be new and shall conform to the Premium Grade requirements of the AWI Quality Standards, latest edition.
- B. All lumber shall be kiln-dried to the average moisture content as recommended by the AWI Quality Standards, latest edition appropriate for the regional climatic conditions of the project site.
- C. All solid wood elements shall be clear, straight-grain lumber of the best grade of specified species as listed by the NHLA. Lumber shall be free of any defects which might impair serviceability, aesthetics, and/or finish. Solid wood elements shall also be according to the following, unless indicated otherwise.

HARDWARE
- A. All required hardware and accessories shall be furnished and installed by Interior Contractor and shall be as indicated on drawings and specifications. Where specific products are not specified in the Contract Documents the Interior Contractor shall recommend hardware to provide the function or condition indicated in the Contract Documents. Hinges, screws, clips and other mounting, attachments or fasteners to be concealed unless otherwise noted on drawings.

FABRICATION
- A. All work shall be performed in such manner as to fulfill the intent of the drawings and specifications.
- B. All items to be mill fabricated per AWI Premium Grade specifications and according to the sizes and designs indicated on the drawings and specifications, and assembled in single and complete units insofar as the dimensions thereof will permit shipment to and installation at the building. Large pieces requiring sectional construction shall have their several parts accurately fitted and aligned with each other and be provided with ample screws, glue and bolt blocks, tongues, grooves and splines, dowels, mortises and tenons, screws, bolts, or suitable means of concealed fastening, as required to render the work substantial, rigid and permanently secured in proper position to each related section.

INSTALLATION
- A. Install woodwork plumb, level, and straight without distortion; use concealed shims. Scribe and cut woodwork to fit adjoining work. Anchor woodwork items to nailers or blocking or directly to substrate using concealed fasteners.

CLEANING AND PROTECTION
- A. Clean shop finished work, touch-up finish as required and remove and refinish damaged or soiled areas of finish.
- B. Protect installed Finish Carpentry from damage by work of other trades until Owner's acceptance of the work. Subcontractor to advise Interior Contractor of procedures and precautions for protection of materials and installed work from damage and of the required temperature/humidity conditions which must be maintained during the remainder of the construction period in areas of Finish Carpentry installations.

06400 - ARCHITECTURAL WOODWORK

SUMMARY
- A. Section Includes:
  1. Millwork/Cabinets
  2. Countertops

QUALITY ASSURANCE
- A. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination. "
- B. Perform work in accordance with AWI - Architectural Woodwork Standards for custom grade, flush overlay cabinets.

SUBMITTALS:
- A. Submittal Procedures: Unless otherwise specified herein, submit in accordance with procedures specified in Section 01330.
  1. Submit shop drawings indicating materials, component profiles & elevations, assembly methods, joint details fastener methods, schedule of finishes (stain or laminate), hardware schedule and hardware location.

DELIVERY, STORAGE AND HANDLING
- A. Transport, handle, store, and protect products in compliance with the requirements of Section 01600. Receive Owner Furnished products in accordance with the requirements of Section 01600.
- B. Trades and Sub-Contractor Items: Schedule delivery of items to installation areas that are in proper condition to receive them. Place items neatly and systematically to avoid damage, store in clean, dry, enclosed, and secure storage area.
- C. Owner Items: Owner's Supplier will deliver Owner furnished products to site to be received by Contractor. Contact Owner's Supplier to coordinate product delivery and installation.
- D. Product Packaging: Products will be delivered in manufacturer's original packaging with identification markings on each component or package.
- E. Acceptance at Site: Inspect products upon delivery to Site to verify quantity, and report discrepancies in quantity delivered or damage.

PROJECT CONDITIONS
- A. Environmental Limitations: Do not deliver or install architectural woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.

INSTALLATION
- A. Install woodwork plumb, level, and straight without distortion; use concealed hardwood shims. Scribe and cut woodwork to fit adjoining work. Anchor woodwork items to nailers or blocking or directly to substrate using concealed fasteners.
- B. Casework: Provide well-fitting and smooth operating doors and drawers.
- C. Install laminate with directional pattern or grain oriented vertically. Install laminate on horizontal surfaces with directional pattern or grain oriented parallel to length of countertop.
- D. Countertops:
  1. Anchor countertops securely to base units.
  2. Fabricate countertop & backsplash as large as practicable, top surfaces of joints flush w/ concealed fasteners.
  3. Plastic laminate countertops to be PVC edge banded with radiused bevel, WilsonArt pattern match where possible. Architect to approve edge banding color match where pattern match is not available.
  4. Securely attach countertops to cabinets with concealed fasteners. Block between top and cabinet at each section and at ends. Securely attach back-splash to cabinets or wall with concealed fasteners/adhesive. Use compatible, colored sealant at joints
- E. Solid Surface: Install solid surfacing true in line and plane, level, rigid, and solidly adhered to substrate. Adjust supports to make fit. Align joints over support framing. Install with minimum number of joints practical, using full-length pieces from maximum lengths available. Cope at returns and square at corners to produce tight-fitting joints with full-surface contact throughout length of joint. All connections - including flush joints in plane, connections to solid surface lavatories, interior corners, and exterior corners, including joints between tops and backsplashes - to be filled with coordinating joint filler and finished to make joints inconspicuous. All corners and edges to be radiused.
  1. Material: Refer to drawings.
  2. Sealant: Where necessary, sealant to be color matched, not clear silicone
- F. Finish Wood: All planar surfaces to be fabricated to with single uninterrupted sheets where possible. Where use of continuous sheets is not possible, coordinate joints with architect and align wood grain to give appearance of continuity.
  1. Material: Refer to drawings for species, thickness, and stain. Wood fabricated from old growth timber is not permitted. All exposed surfaces to be free of knots or holes. Filled knots or holes are not permitted.
  2. Corners: All exterior corners where two wood panels meet to be mitered with no exposed end grains visible.
- G. Adjustable Shelf Support: Standard side-mounted type using multiple holes for pin supports and coordinated self rests. Satin chrome finish. Nominal 1" spacing adjustments.
- H. Drawers and Door Pulls: As indicated in Drawing Documents
- I. Support Brackets: Installed as needed to support countertops, recommended 36" center to center. Support arms longest length to fit countertop. Factory primed and field painted to match surroundings. Paint color to be approved by architect where adjacent materials are not painted.
  1. Solid Surface Tops: Steel angle standard type countertop support brackets, unless noted otherwise.
  2. Plastic Laminate Tops: Concealed steel workstation type or concealed flat type brackets. A&M Hardware concealed bracket, concealed flat bracket, or equal. Where mounted to gypsum board wall, brackets to be installed prior to gypsum board finish.
- J. Other Hardware: All hardware not specified to be submitted and approved by architect prior to fabrication.

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REGISTERED ARCHITECT
Jeremy R. Raymond
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STATE OF ARKANSAS
04/20/2026

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Project Number: 260050
HOMEGROWN
417 MLK JR BLVD
FAYETTEVILLE, AR

Issue:
FOR PERMIT
Date:
04.20.26

REVISIONS

#	Description	Date

SP.2
SPECIFICATIONS