ADDENDUM NO: 01 PROJECT NAME: Benton County Justice Center PROJECT ADDRESS: 1301 Melissa Dr Bentonville AR

DATE: 5.16.2025 HIGHT JACKSON ASSOCIATES ARCHITECTS AND PLANNERS

PROJECT NO:2508

Contractor shall attach this and other addenda to the specifications and they shall be considered a part thereof. Where changes are required by this addendum, they shall nullify any conflicting specifications as may be affected.

SPECIFICATIONS

Item No. 1: **Working Hours – For Clarification:** It is not expected that after hours work will be required. Work schedule will need to be coordinated with the staff to minimize interruptions to ongoing activities.

Item No. 2: Refer to Attached Specification Section 08 88 53 – Security Glazing.

- a) Type 1 Security Glazing at Door Type H
- b) Type 2 Security Glazing at Frame 15
- c) Type 3 Security Glazing at Frame 14
- d) Type 4 Security Glazing at Frame 13

Item No. 3: Refer to Specifications Section 10 73 16 Aluminum Canopies

a) Archetype Canopies, 5432 South 103rd East Avenue, Tulsa Oklahoma is an approved alternate manufacturer. *Approval does not relieve contractor or supplier from full compliance with specifications and drawings*.

Item No. 4: Refer to Specifications Section 22 40 00, Plumbing Fixtures:

b) Remove paragraph 2.2 B 1 from specifications.

Item No. 5: Refer to Specifications Section 23 09 23, DDC Controls Systems:

c) Add the following to paragraph 3.2 J: Conduit and conduit installation to be provided by electrical contractor.

ARCHITECTURAL

Item No. 1: Refer to Architectural Sheet A2.1A. For Clarification: Doors 121 and 132. Holding Cell Doors are to swing into the corridor as shown on this architectural sheet.

Item No. 2: **Refer to Architectural Sheets A2.3A and A2.8A:** For Clarification – ceilings at rooms 121, 127, 128 and 132 are to be high impact gypsum board with epoxy paint.

Item No. 3: **Refer to Architectural Sheets A2.3A Finish Legend.** For Clarification – EF-1 as listed on the finish legend is the same as the notation EF as a floor finish on the Specialty Plans. EF and EF-1 are the same epoxy flooring.

Item No. 4: **Refer to Architectural Sheet A2.3C:** Add Window Shades to Exterior Windows at Room 300, 308, 309, 315 and 316.

-1-Addendum No. 01 Benton County Justice Center



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STRUCTURAL

Item No. 1:	Refer to Attached Revised Structural Sheet S1.1a) Revised footing mark in footing scheduleb) Add note to footing schedule
Item No. 2:	Refer to Attached Revised Structural Sheet S2.1A a) Revised several footing marks
Item No. 3:	Refer to Attached Revised Structural Sheet S2.1B a) Revised several footing marks
Item No. 4:	Refer to Attached Revised Structural Sheet S2.1C a) Revised several footing marks
Item No. 5:	 Refer to Attached Revised Structural Sheet S3.1A a) Revised several beam sizes b) Revised several column tags

Item No. 6: Refer to Attached Revised Structural Sheet S3.1B

- a) Revised several beam sizes
- b) Revised several column tags

Item No. 7: Refer to Attached Revised Structural Sheet S3.1C

- a) Revised several beam sizes
- b) Revised several column tags

PLUMBING

- Item No. 1: Refer to Attached Revised Plumbing Sheet P5.1:
 - a) Updated Plumbing Fixture Schedule information for P-28 fixture to reflect new selection.

MECHANICAL

Item No. 1: Refer to Attached Revised Mechanical Sheet M1.1:

- a) Added man bar symbol to mechanical legend.
- b) Added motorized symbol to mechanical legend.

Item No. 2: Refer to Attached Revised Mechanical Sheet M2.1C:

a) Added man bar symbol to MUA-1 supply duct drop.

Item No. 3: Refer to Attached Revised Mechanical Sheet M2.1D:

- a) Added man bar symbol to RTU supply and return duct drops.
- b) Added man bar symbol to supply fan and exhaust fan duct drops.
- c) Added man bar details to sheet.

END OF ADDENDUM NO. 01

-2-Addendum No. 01 Benton County Justice Center



SECTION 08 88 53

SECURITY GLAZING

PART 1 GENERAL

1.1 SUMMARY

- A. GENERAL DESCRIPTION: This section includes security glazing and glazing accessories for steel detention doors, sidelight and borrowed light frames.
- B. THE GENERAL PROVISIONS of the Contract including General and Supplementary Conditions, Division 1 General Requirements, and Instructions to Bidders apply to the Work included in this Division.

1.2 REFERENCES

- A. H.P. White Laboratory, Inc.; HPW TP-0500.03.
- B. American Society for Testing and Materials; ASTM F1233-08.
- C. American Society for Testing and Materials; ASTM C1048-12.
- D. Underwriter's Laboratories, Inc.; UL 752, UL 972.
- E. ASTM F1915-05

1.3 SUBMITTALS

A. PRODUCT DATA

- 1. Product data for each security glazing type, including type of materials, thickness, installation requirements, method of test, and performance. Submit 2 copies of the most recent literature & cleaning instructions and any other documentation deemed necessary to demonstrate compliance to the specification.
- 2. Test reports showing compliance with specified requirements.
- 3. Certification by manufacturer that products supplied comply with performance requirements specified.
- 4. Maintenance data covering cleaning and protection requirements to be included in the Operation and Maintenance Manual.
- B. SAMPLES Upon request of the Architect, submit 2 samples, 12" square, of each type of security glazing product.
- C. CLOSE OUT DOCUMENTS Refer to Section 01 77 00 for the General requirements for Contract Close-out.
 - 1. Maintenance data covering cleaning and protection requirements to be included in the Operation and Maintenance Manual.

- D. WARRANTY
 - 1. Warranty: Submit a written warranty, executed by manufacturer, agreeing to replace laminates that delaminate within 5 years from date of Substantial Completion.
 - 2. Warranty shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and will be in addition to and run concurrent with other warranties made by the Contractor under requirements of the Contract Documents.
- E. DESIGN DATA/ REGULATORY REQUIREMENTS/ TEST REPORTS/ MANUFACTURER'S INSTRUCTIONS:
 - 1. Test reports showing compliance with specified requirements.
 - 2. Certification by manufacturer that products supplied comply with performance requirements specified.
 - 3. Submit compatibility testing approval from glazing manufacturer that all proposed sealant, setting block and caulk are approved for use with their products.

1.4 QUALITY ASSURANCE

A. QUALIFICATIONS

- 1. Manufacturer Qualifications: Firm with minimum 5 years' experience in manufacturing security glazing products that are similar to those indicated for this Project and that have a record of successful in-service performance.
- 2. Installer Qualifications: Engage an experienced Installer who has a minimum of 5 years' experience in installing security glazing similar to that required for this Project.

B. CERTIFICATIONS

1. Certified Safety Glazing: Category II products complying with test requirements of 16 CFR 1201 and ANSI Z97.1, certified by Safety Glazing Certification Council, and permanently labeled.

1.5 SYSTEM DESCRIPTION

- A. EXTENT OF WORK As identified in the drawings and schedules as it relates to this section.
- B. DESIGN / PERFORMANCE REQUIREMENTS
 - 1. Provide security glazing that complies with the requirements listed below as indicated by the test ratings for specific glazing types.
 - a. H.P. White Laboratory, Inc.; HPW TP-0500.03.
 - b. American Society for Testing and Materials; ASTM F1233-08.
 - c. Underwriter's Laboratories, Inc.; UL 752, UL 972.
 - d. Bayer Material Science

- 1.6 OWNER'S INSTRUCTIONS AND MAINTENANCE Refer to Section 01 77 00 for the General requirements for Contract Close-out.
 - A. Have manufacturers' maintenance instructions on hand at time of instruction.
 - B. Instruct designated Owner personnel on maintaining security glazing.

PART 2 PRODUCTS

2.1 MATERIALS

A. CLEAR HEAT – STRENGTHENED GLASS:

- 1. ASTM C1048, Condition A (uncoated surfaces), Class 1 (clear), Kind HS (heat-strengthened).
- 2. MANUFACTURERS: Unless pre-approved prior to bidding, provide the products specified by the following:
 - a. Global Security Glazing, https://security-glazing.com/
 - b. LTI Smart Glass, Inc., https://www.ltisg.com/
 - c. McGrory Glass, Inc., http://www.mcgrory.com
 - d. Old Castle Glass, https://obe.com/
 - e. Sheffield Plastics, http://www.sheffieldplastics.com/

B. TINTED HEAT-STRENGTHERENED GLASS:

- 1. ASTM C 1048, Condition A (uncoated surfaces), Class 2 (tinted, heatabsorbing, and light-reducing), Kind HS (heat-strengthened), tint color as specified with security glazing type.
- 2. MANUFACTURERS: see 2.01, A, 2.
- C. CLEAR TEMPERED GLASS:
 - 1. ASTM C 1048, Condition A (uncoated surfaces), Class 1 (clear), Kind FT (fully tempered).
 - a. Chemically Tempered Glass: ASTM C 1036, Class 1 (clear) chemically tempered; edges seamed prior to tempering.
 - 2. MANUFACTURERS: see 2.01, A, 2.

D. POLYCARBONATE SHEET:

- 1. Rigid, flat polycarbonate sheet; thicknesses as indicated.
 - a. Relative Burning Characteristics: Average extent of burning less than 1 inch, when tested per ASTM D 635, using the thickness of material indicated for Project.
- 2. MANUFACTURERS: see 2.01, A, 2.
- E. GLASS TYPES
 - 1. Type 1: 1/4" MARGARD shall be 1-ply, clear, extruded LEXAN monolithic polycarbonate of LEXAN monolithic sheet with a MARGARD surface, or approved equal.

- 2. Type 2: 5/16" (8mm) thick laminated fire-rated and impact safety-rated glazing material. Listed for use in doors, sidelites, transoms and borrowed lites with fire rating requirements ranging from 20 minutes to 3 hours as provided by TGP equal to FireLite Plus or Vetrotech Kerolite. Install with UL classified Rectorseal BlazeSeal.
- Type 3: 9/16" (Nominal) clear glass clad polycarbonate laminate, HP White TP-0500 Level I forced entry, ASTM F1915 Grade 4 – 10 minute containment, HP White TP-0100 Level A ballistics, equal to Global Security Glazing Secur-Tem + Poly 2117, or approved equal;
 - a. 1/8" Clear heat strengthened glass
 - b. .050" Urethane
 - c. 1/4" Polycarbonate
 - d. .050" Urethane
 - e. 1/8" Clear heat strengthened glass
- 4. Type 4: Ballistic insulated glass. UL 752 level 1. Security glazing on exterior side. Abrasion resistant polycarbonate on interior side.

2.2 ACCESSORIES

- A. Installation Materials-General: Select products that have appropriate performance characteristics as recommended by glazing manufacturer and that are compatible with materials they will contact.
 - 1. Glazing Tape: Equal to Tremco 440. DEC to ensure that the glazing tape used is fabricated with material compatible with polycarbonate glazing material. At fire rated openings, provide Rectorseal Blaze Seal.
 - Glazing Sealant: Equal to GE 1200, Dow Corning 999 sealants. DEC to ensure that the glazing sealant used is compatible with polycarbonate glazing material.
 a. Color: As selected by the Architect-Engineer from manufacturer's standard colors.
 - 3. Security Glazing Sealant: Dynaflex SC. One part non-sag tamper resistant elastomeric STPU meeting Federal Specifications TT-S-230C, Type II, Class B and ASTM C920-14, Type S, Grade NS, Class 12.5 as manufactured Picora Dynaflex. When applying directly to polycarbonate surface, application area must be primed with P-120 primer prior to use as required per published manufacturer recommendations.
 - 4. Setting Blocks: TPR (Thermoplastic Rubber) with 70-90 shore "A" durometer hardness. DEC to ensure that the glazing blocks used is fabricated with material compatible with polycarbonate material. Dynaflex should not be allowed to come in contact with the unsealed exposed edge of polycarbonate.

2.3 FABRICATION

- A. Cut tempered glass to size and shape and drill any required holes prior to tempering.
- B. Fabricate glazing with bite and edge clearance dimensions, including tolerances, as

recommended by manufacturer and Glass Association of North America (GANA) "Glazing Manual." Exception: Where specific bite dimensions are indicated on drawings, as required for proper securement of glazing in frames, comply with those dimensions.

- C. Cut or drill holes in laminated units as required or indicated.
- D. Grind exposed edges smooth, using methods recommended by manufacturer

PART 3 EXECUTION

3.1 EXAMINATION OF SITE

A. REVIEW OF EXISTING CONDITIONS

- 1. Examine frames and rabbets in which glazing is to be installed for possible damaging conditions. In particular, check for conditions that would void the manufacturer's warranty.
 - a. Verify that minimum edge engagement of framing is 1 inch (25 mm).
- 2. Submit Installer's report describing unacceptable conditions.
- 3. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 DELIVERY, STORAGE AND HANDLING

- A. Packing, Shipping, Handling, and Unloading NOT USED
- B. Storage and Protection
 - 1. Protect products according to manufacturer's recommendations. Specifically, avoid damage to glass edges and prevent damage from temperature changes, sunlight, and moisture.
 - a. Furnish polycarbonate materials with a strippable water resistant masking paper on exposed surfaces

3.3 PREPARATION

- A. JOB CONDITIONS Clean surfaces to receive glazing just before installing glazing.
- B. SURFACE PREPARATIONS
 - 1. Environmental Conditions: Do not install glazing when either air or substrate temperature exceeds the range recommended by sealant manufacturer or when substrate is wet, damp, or covered with snow, ice, or frost.
 - 2. Install glazing sealants only at air and substrate temperatures above 40 deg F (4 deg C).

3.4 CONSTRUCTION

A. CONSTRUCTION / INSTALLATION

1. GENERAL

- a. Comply with recommendations for installation contained in the Glass Association of North America (GANA) "Glazing Manual" and "Sealant Manual" except when specifically not recommended or prohibited by the glazing or glazing accessory manufacturer; comply with manufacturers' recommendations.
- b. Protect glazing from edge and surface damage during handling and installation.
- c. Do not install glazing that has edge or surface damage or defects.
- d. Permanently adhere setting and edge blocks to frame.
- e. Do not block weep holes.
- f. Applied Stops: Fasten as indicated after glazing has been set in frame. Do not exert excess force on glazing and glazing spacers.
- g. Remove protective masking paper on polycarbonate materials only as required to set glazing.
- 2. TAPE GLAZING
 - a. Install tape continuously, placed so that when compressed the exposed face will be 1/8 inch (3 mm nominal) below face of framing.
 - b. After installation of stops, install security sealant over exposed tape on both sides of all glass/polycarbonate in the dayroom and cell area. This includes but is not limited to doors and windows in the cells, multipurpose rooms, offices, special use rooms, video visitation, and dayrooms. The dayroom windows between the dayroom and corridor will require security sealant on the dayroom side only.
 - c. Apply fillet bead of glazing sealant over exposed tape on exterior side of exterior glazing.
 - d. Do not use joints in tape, except at corners; seal joints with compatible sealant. Tremco 440 or approved equal.

3.5 ADJUSTING, CLEANING, AND PROTECTION OF WORK

- A. Apply warning tape or bands across opening without touching glazing, immediately after installing glazing in frames.
- B. Do not apply tape or labels to glazing; remove temporary labels.
- C. Protect glazing during subsequent construction operations; remove dirt, contaminants, staining agents and other deposits promptly using manufacturer's recommended procedures.
- D. Replace glazing that is damaged.

- E. Provide final protection and maintain conditions in a manner acceptable to manufacturer and Installer that ensures that security glazing is without damage or deterioration at the time of Substantial Completion.
- F. Remove protective masking paper from polycarbonate glazing just prior to cleaning.
- G. This contractor shall wash both sides of glazing not more than 10 days before inspections for Substantial Completion.
- H. It is the responsibility of the Contractor to provide manufacturer approved cleaning instructions to the owner, assuring the use of compatible cleaning agents for all security glazing.

END OF SECTION

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٧	CONSTRUCTION SAFETY GENERAL NOTE THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TEMPORARY SHORING/BRACING, OR FOR SAFETY	Concrete 1. All cc units	<u>Masonry</u> oncrete ma: shall confc	General Notes conry units shall rm to ASTM C9	4100: be lightweig 0, with a min
	PRECAUTIONS AND PROGRAMS, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.	assei 2. Morta morta morta to AS	mblage. All ar at exteric ar and have ar at masor STM C270.	concrete masor r walls, all load- a minimum cor ry veneer shall Neither mason	nry shall be la bearing walls npressive st be Type N m y cement nc
N	 All detailing, fabrication and placing of reinforcing steel shall conform to the ACI Standard "Details and Detailing of Concrete Reinforcement" (ACI 315). Concrete at slab-on-grade shall develop a 28-day minimum compressive strength of 3,500 psi. 	3. All gr psi ai day c	out shall be nd a desigr compressiv	e ready-mix cono slump between e strength of 2,0	crete, with 3/ 8" to 10". or 00 psi and a
	 All concrete at rootings, pedestals and walls shall typically develop a 28-day minimum compressive strength of 3,000 psi. All concrete for footings, walls and slab-on-grade shall have a 5" maximum slump. All reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60. 	 All 8" of bai diam All re 	CMU bond rs for vertic eters.	al wall reinforce eel shall be defo	all be reinford ment and bo prmed bars c
	 All reinforcing bar splices shall be 44 bar diameters for #6 and smaller diameter bars. Reinforcing bar splices shall be 48 bar diameters for #7 and larger bar diameters. All reinforcing bar hooks shall be ACI standard 90 degree hook, unless noted otherwise. 	6. All bo 7. All re	olts, anchor	s, reinforcement ar splices shall b	and embed e 48 bar dia
-	 8. Provide two #4 x 4'-0" long diagonal bars centered in slab, at all re-entrant corners and any other locations designated on the plans. 9. Provide corner bars in footings, concrete stemwall and turn-down slab same size and spacing as longitudinal reinforcing. 	o. At an corne See f to Sp	a CMO wa ars and on a Masonry W pecification	ans, provide (1) each side of wal all Reinforceme Section 04 22 00	l openings, u nt Schedule).
	 10. Provide (1) #4 hoop with 8" lap in slab-on-grade around floor drains, columns and all slab penetrations 3" in diameter or greater. Also install around electrical conduit groupings 3" in diameter or greater. 11 Limit the width of conduit groups to 3'-0" as they pass under wall footings. As much as possible, align the conduit perpendicular. 	 9. Provi 10. Provi 11. Provi 	ide control j	oints in brick ve oints in CMU wa	alls where sh
C	 to the footing as it passes under the footing. Provide a minimum spacing of 2'-0" between conduit groups as the conduit passes under a footing. Do not extend conduits under column footings or spread footings. 12. Plate dowel system shall be Diamond Dowel System by PNA Construction Technologies, the Speed Plate System by SIKA Corp. or approved equal. Install plate dowels at slab construction joints at 18" o.c. 	galva	inized to 1.	5 oz. width shall	be 1 1/2" les
1					-

TYPICAL STRUCTURAL ABBREVIATIONS

13. Welded wire fabric shall conform to ASTM A1064. Provide mesh in flat sheets.

14. Wire fabric reinforcing shall lap 6" and be securely wired at each side and end.

18. Epoxy for doweling reinforcement shall be HY-200 by Hilti, unless noted otherwise.

Report No. 24-15130 dated September 27, 2024 by GTS, Inc.

16. All slots, sleeves and other embedded items shall be set before concrete is placed. See Architectural, Electrical, Mechanical,

17. Bar supports at footings, slabs-on-grade and elevated slabs shall be factory made wire bar supports, type "SBU" linear

19. Maximum net allowable bearing pressure = 2,000 psf. for continuous footings and 2,500 psf for isolated spread footings.

subgrade. Slabs-On-Grade have been designed for a modulus of subgrade reaction (k-value) of 100 psi/in.

Footings shall bear on native, stiff to very stiff clays (Stratum I) or tested and approved select fill as described in the Soils

20. Use of compacted, free-draining pea gravel, crushed stone, or coarse sand underneath the building slab is recommended by

TSW, Inc. Consult Geotechnical Engineer regarding potential substitution of free-draining coarse materials with approved

15. Smooth dowels shall be steel conforming to ASTM A36.

and Vendor's drawings for size and locations.

supports.

A.R.	ANCHOR ROD	F.V.	FIELD VERIFY	PLF	POUNDS PER FOOT
ACI	AMERICAN CONCRETE	FDN	FOUNDATION	PROJ	PROJECTION
		FIN	FINISH	PSF	POUNDS PER SQUARE
AISC	AMERICAN INSTITUTE OF	FLR	FLOOR	DOL	
ARCH	ARCHITECT	FTG	FOOTING	P51	NCH
ASTM		GA	GAUGE	R	RADIUS
AOTM	TESTING AND MATERIALS	GALV	GALVANIZED	REINE	REINFORCEMENT
BLDG	BUILDING	H.S.A.	HEADED STUD ANCHOR		REQUIRED
BM	BEAM	HK	HOOK	RTU	
BOTT	ВОТТОМ	HORIZ	HORIZONTAL	SOG	SLAB ON GRADE
BRG	BEARING	J.B.E.		SCHED	SCHEDULE
BTWN	BETWEEN	IST	IOIST	SECT	SECTION
CFS	COLD-FORMED STEEL	1T		SEOR	STRUCTURAL ENGINEER
CL	CENTER LINE	I	ANGLE		OF RECORD
CLR	CLEAR	LG	LONG	SIM	SIMILAR
COL.	COLUMN	LO		SJI	STEEL JOIST INSTITUTE
CONC	CONCRETE			SPA	SPACING
CONN	CONNECTION	LONG	LONGITUDINAL	SPECS	SPECIFICATIONS
CONT	CONTINUOUS	MAX	MAXIMUM	STD	STANDARD
DEFL.	DEFLECTION	MBM	METAL BUILDING	STIFF	STIFFENER
DIA, or Ø	DIAMETER		MANUFACTURER	STL	STEEL
DIM	DIMENSION	MECH	MECHANICAL	TOC	TOP OF CONCRETE
DN	DOWN	MFR	MANUFACTURER	TOF	TOP OF FOOTING
do	DITTO	MIN	MINIMUM	TOS	TOP OF STEEL
DTL	DETAIL	MISC	MISCELLANEOUS	TOW	TOP OF WALL
DWG	DRAWING	MTL	METAL	TRANS	TRANSVERSE
E.F.	EACH FACE	N.S.	NEAR SIDE	TYP	TYPICAL
E.W.	EACH WAY	O.C.	ON CENTER	U.N.O.	UNLESS NOTED
EA	EACH	0.F.	OUTSIDE FACE	VEDT	VERTICAL
EL	ELEVATION	OPNG	OPENING	VERI	
EQ	EQUAL	P.A.F.	POWDERED ACTUATED		
EXIST	EXISTING		FASTENER		
EXP	EXPANSION	PED	PEDESTAL		WELDED WIKE FABRIC
F.S.	FAR SIDE	PL	PLATE		

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lls, walls below grade and non-load-bearing walls higher than 20'-0" shall be Type S trength of 1,800 psi. Mortar at interior non-load-bearing walls not higher than 20'-0" and mortar and have a minimum compressive strength of 750 psi. All mortar shall conform or air entrained portland cement/lime shall be used for mortar.

3/8" diameter max. aggregate, have a minimum 28-day compressive strength of 2,000 r preblended product (Core Fill Grout, Coarse CF-02, by Spec Mix) with a minimum 28a design slump between 8" to 10".

ced with one bar. See Masonry Wall Reinforcement Schedule on Drawing S3.0 for size ond beam requirements. Provide corner bars and lap bond beam reinforcing 48 bar

conforming to ASTM A615, Grade 60.

ded items shall be grouted in place.

ameters, U.N.O.

each cell for the first (2) cells adjacent to control joints in walls, at ends of walls, wall unless noted otherwise. Vertical bars shall match reinforcement for remainder of wall. e on Drawing S3.0 for size of reinforcement. Install using rebar centering supports. Refer

shown on Architectural Drawings.

hown on Architectural Drawings. Place joints for CMU walls max. 24'-0" o.c.

" o.c. Reinforcement shall be ladder design, min. 9 gage welded steel wire, hot dipped ess than wall thickness.

|--|

MADK		FOOTING SIZE	1	REINEORCINC	DEMADKS
	В	L	t	REINFORCING	REIMARNO
E13	8'-0"	8'-0"	2'-0"	(9) #5 E.W., BOTT.	
F3	3'-0"	3'-0"	1'-4"	(4) #5 E.W., BOTT.	
F4	4'-0"	4'-0"	1'-4"	(7) #5 E.W., BOTT.	
F5	5'-0"	5'-0"	1'-4"	(6) #5 E.W., BOTT.	

FOOTING SCHEDULE NOTES: 2. FOOTING MARK F2 IS NOT USED





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	JUSTICE	F
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	PROJECT NO. 2311 REVISION DATES 05/16/2025	
АТАТИМ С міт н	FOUNDATION PLAN - AREA "B" S H E E T	
NELCHER TRUCTURAL ENGINEERS 79) 621-6128 SW #: 24190 PM: BLO DE: RJD 16	SZ2.1B COPYRIGHT 2025 THESE DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF HIGHT JACKSON ASSOCIATES.PA. USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN CONSENT 17	A

		ARKANSAS ARKANSAS LICENSED PROFESSIONAL ARKANSAS
	LEGEND: – DENOTES COLUMN MARK (SEE COL SCHED ON DWG, S1.3)	Tatum Smith Welcher
O.F.	DENOTES OUTSIDE FACE	Engineers, Inc. No. 218
JBE	DENOTES JOIST BEARING ELEVATION	ANSAS ENGINE
TOS	DENOTES TOP OF STEEL	
[128'-9"]	DENOTES TOP OF BEAM ELEVATION	
*	DENOTES L2 x 2 x 3/16 BRACE EXTENDING FROM JOIST TOP CHORD TO BEAM BOTT. FLANGE (WELD EA. END)	ATE hjarch.cc
	DENOTES FRAMED OPENING IN ROOF- COORDINATE SIZE & LOCATION W/ MECH. CONTRACTOR (SEE DTL. 2 / S1.2)	
	DENOTES LIMITS OF 1 1/2" x 22 GA. ROOF DECK (SEE PLAN NOTES)	SS 64-496
	DENOTES NEW ROOF EQUIPMENT SUSPENDED BY STRUCTURE	(479) 4
SLOPE	DENOTES DIRECTION OF ROOF SLOPE (COORD. PITCH W/ ARCH.)	2758-
(2,500#)	DENOTES EQUIPMENT WEIGHT IN POUNDS	sas 7
	DENOTES BEAM SPLICE (SEE DTL. 5 / S1.3)	Arkans
🕱 PT1	DENOTES HSS4 x 4 x 3/16 POST	lers,
38 PT2	DENOTES HSS3 x 3 x 1/4 POST AT ELEVATED ROOF. WELD TO SUPPORTING BEAM	300 - Rog
JM1	DENOTES JOIST MODIFICATION. SEE SCHEDULE AND DETAILS ON S6.2	uite 3

PLAN NOTES:

- 1. ROOF DECK: 1 1/2" DEEP, 22 GA. PAINTED WIDE RIB STEEL DECK (SEE STEEL DECK GENERAL NOTES FOR ATTACHMENT REQUIREMENTS).
- 2. TOP OF STEEL DENOTES TOP OF MAIN STEEL.
- TOP OF STEEL EL. VARIES, SEE PLAN. . TOP OF "K" SERIES JOISTS (+2 1/2") TYP., (U.N.O.)
- 5. ALL ELEVATIONS BASED ON MAIN LEVEL FINISH FLOOR EL. 100'-0". ACTUAL FIN. FLR. EL. 1283.70' AS ESTABLISHED BY CIVIL DRAWINGS.
- 6. SEE DWGS. S1.2 & S1.3 FOR GENERAL NOTES AND TYPICAL DETAILS.
- 7. SEE DWG. S1.3 FOR COLUMN SCHEDULE. 8. SEE ARCH. DWGS. & FOUNDATION PLANS FOR DIMENSIONS NOT SHOWN.

SSOCIAT Ac.4.4965 1 www.hjarc \mathbf{A} R _ Ы С Ш AN ADDITION FOR BENTON COUNTY JUSTICE AR **BENTONVILLE**, DRAWN BY. CHECK BY. BLO ISSUE DATE 04/28/2025 PROJECT NO. 2311 REVISION DATES 05/16/2025 ROOF FRAMING PLAN -AREA "A" S H E E T

16

S3.1A

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NOTE: SEE DRAWING S3.1A FOR LEGEND AND PLAN NOTES

		4 5 6	7 8	9		PLUME	BING FIX	TURE SCHEDULE
						00	NNECTION	
		MARKFIXTUREP-1ACCESSIBLE WATER CLOSET	MANUFACTURER 1 AMERICAN STANDARD 3	MODEL 3043.102	MOUNT FLOOR	CM 1-1/2	ΗM -	 REMARKS / ACCESSORIES 4 WHITE VITREOUS CHINA, LOW CONSUMPTION, ELONGATED BOWL, FLUSH VALVE TOILET. PROVIDE SLOAN MODEL SLOAN #111-DFB FLUSH VALVE, OL SONITE #10, SCC. OPEN SEAT AND SLOAN Y LITYPE PIPE SUPPORT. PROVIDE BLOCKING IN WALL AS REQUIRED FOR INSTALLATION OF YE PIPE
		P-2 WATER CLOSET	AMERICAN STANDARD 2	2234.001	FLOOR	1-1/2	-	 4 WHITE VITREOUS CHINA, LOW CONSUPTION, ELONGATED BOWL, FLUSH VALVE TOILET, PROVIDE SLOAN MODEL SLOAN #111-DFB FLUSH VALVE, CLOANTE #10 SCC OPEN SEAT AND SLOAN X LEIPE SUPPORT. PROVIDE RECOVERED FOR INSTALL ATION OF X LEIPE SUPPORT.
		P-3 ACCESSIBLE URINAL	AMERICAN STANDARD 6	6550.001	MALL	3/4	-	2 WHITE VITREOUS CHINA, LOW CONSUMPTION URINAL. PROVIDE SLOAN MODEL SLOAN #186-DFB FLUSH VALVE, WADE #400 WALL CARRIER AND SLO YJ PIPE SUPPORT. PROVIDE BLOCKING IN WALL AS REQUIRED FOR INSTALLATION OF YJ PIPE SUPPORT. INSTALL 17 IN. A.F.F. TO TOP OF LIP.
		P-4 ACCESSIBLE LAVATORY	AMERICAN STANDARD C	0355.012	MALL	1/2	1/2	2 WHITE VITREOUS CHINA LAVATORY WITH FAUCET LEDGE AND BACKSPLASH. PROVIDE AMERICAN STANDARD RELIANT 7385.050 SINGLE LEVER, O. GPM, FAUCET WITH EXTRA LONG HANDLE, BASE PLATE, GRID DRAIN, WADE #520 WALL CARRIER, HANDILAV MOLDED DRAIN & SUPPLY INSULATION MOUNT 34 IN. A.F.F. TO TOP OF RIM. PROVIDE WATTS LFMMV UNDER COUNTER THERMOSTATIC MIXING VALVE. SET WATER TEMPERATURE AT 105 DEGREES F.
		P-5 LAVATORY	AMERICAN STANDARD C	0355.012	MALL	1/2	1/2	2 WHITE VITREOUS CHINA LAVATORY WITH FAUCET LEDGE AND BACKSPLASH. PROVIDE AMERICAN STANDARD RELIANT 7385.050 SINGLE LEVER, 0.5 GPM FAUCET WITH EXTRA LONG HANDLE, BASE PLATE, GRID DRAIN, WADE #520 WALL CARRIER, HANDILAV MOLDED DRAIN & SUPPLY INSULATION H MOUNT 31 IN. A.F.F. TO TOP OF RIM. PROVIDE WATTS LFMMV UNDER COUNTER THERMOSTATIC MIXING VALVE. SET WATER TEMPERATURE TO 105 DEGREES F
		P-6 SERVICE SINK	FIAT	TSB-100	FLOOR	3/4	3/4	3 TERRAZZO 24x24x12 SERVICE SINK. PROVIDE T&S BRASS B-0665-BSTP CHROME PLATED FAUCET WITH INTEGRAL SERVICE STOPS, ETERNA CARTRIDGES WITH SPRING CHECKS, TOP BRACE, AND B-0963 VACUUM BREAKER, FIAT #832-AA HOSE AND BRACKET, 3 IN. GRID DRAIN AND STRAINER, 3 MOP HOLDER, AND TWO STAINLESS STEEL WALL GUARDS. MOUNT MOP HOLDER AT 60 IN. A.F.F.
		P-7 ACCESSIBLE DRINKING FOUNTAIN WITH BOTTI	TLE FILLER ELKAY EZ	ZSTL&WSLK	MALL	1/2	-	2 WALL MOUNTED, HI-LO SPLIT LEVEL, BARRIER FREE ELECTRIC WATER COOLER, WITH BOTTLE FILLING UNIT; 8.0 GPH AT ARI STANDARDS, 115 VOLT SINGLE PHASE, 1/4 HP, 4.0 FULL LOAD AMPS. COORDINATE LOCATION OF ELECTRICAL OUTLET WITH ELECTRICAL CONT. MOUNT LOW SPOUT 36 IN. A.F.F. TO TOP OF SPOUT. MOUNT HI SPOUT 40 IN. A.F.F TO TOP OF SPOUT UNLESS NOTED OTHERWISE. RE: TO ARCHITECTURAL SHEETS FOR SPEC MOUNTING HEIGHTS.
		P-8 FLOOR DRAIN	WADE	1100	FLOOR	-	-	* *CAST IRON FLOOR DRAIN, SIZE AS INDICATED ON PLANS OR MATCH INDICATED WASTE LINE. PROVIDE DEEP SEAL TRAP. COORDINATE DRAIN TOF MATERIAL WITH SPECIFIED FLOOR FINISH.
	-		MADE		FLOOR	-	-	* *CAST IRON FLOOR SINK WITH NICKEL BRONZE GRATE. SIZE AS INDICATED ON PLANS OR MATCH WASTE LINE SIZE WHEN NOT INDICATED. PROVIDE GRATE AND DEEP SEAL TRAP.
		P-10 MALL CLEAN OUT P-11 CLEAN OUT TO GRADE	MADE WADE	6000Z	GRADE	-	-	 * "SIZE TO MATCH WASTE LINE, MAXIMUM TO 4 INCHES. PROVIDE WADE 8304 STAINLESS STEEL WALL ACCESS COVER. * SIZE TO MATCH WASTE LINE MAXIMUM TO 4 INCHES. PROVIDE HEAVY DUTY TRACTOR TYPE COVER.
		P-12 WATER HAMMER ARRESTOR	WADE BELLOWS SI	HOKSTOP A	ACCESSIBLE LOCATION	*	*	- *SIZE WATER HAMMER ARRESTOR PER MANUFACTURER'S RECOMMENDATIONS. ALL STAINLESS STEEL CONSTRUCTION WITH WELDED NESTED BELLC PROVIDE BALL VALVE FOR SHUT-OFF.
		P-13FREEZE PROOF HOSE BIBP-14ICE MAKER WALL BOX	WOODFORD GUY GRAY	B67 BIM875	MALL MALL	3/4 1/2	-	 FREEZE PROOF HOSE BIB IN LOCKING BOX. PROVIDE VACUUM BREAKER AND BACKFLOW PREVENTION. WALL MOUNTED ICE MAKER HOOK UP WITH ANGLE VALVE.
	_	P-15 ACCESSIBLE STAINLESS STEEL SINK	IK JUST MFG. SL_	_2125_A_GR	COUNTER	1/2	1/2	2 SINGLE COMPARTMENT STAINLESS STEEL SINK (15.75 x 21 x 5.5 ID). PROVIDE JUST J-1174-R GOOSENECK FAUCET WITH WRIST BLADES AND JUST JO35-SSF STAINLESS STEEL GRID DRAIN, AND HANDILAV MOLDED DRAIN WITH CENTER REAR DRAIN LOCATION. MECHANICAL CONTRACTOR TO PROVIDE ALL MATERIALS TO MAKE FINAL CONNECTIONS, INCLUDING TAIL PIECE AND ANGLE STOP VALVES. PROVIDE WATTS LFMMV THERMOSTAT MIXING VALVE SET WATER TEMPERATURE TO 105 DEGREES F. SINK MUST BE ADA COMPLIANT, MOUNT 34 IN, A F.F. TO TOP OF RIM
		P-16 ACCESSIBLE COMBI FIXTURE	EXISTING FIXTURE	-	VERIFY	1-1/2	1/2	4 EXISTING FIXTURE PROVIDED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL REPLACE DIAPHRAGN FLUSH VALVES. AND O-RINGS IN SALVAGED PLUMBING FIXTURES. VERIFY FUNCTIONALITY OF SALVAGED PLUMBING FIXTURES PRIOR TO INSTALLAT IF FUNCTIONALITY ISSUES ARE DISCOVERED, CONTRACTOR MUST NOTIFY ARCHITECT IN A TIMELY MANNER AS NOT TO IMPEDE CONSTRUCTION SCHEDULE. MECHANICAL CONTRACTOR SHALL PROVIDE ALL MATERIALS REQUIRED FOR INSTALLATION.
		P-17 STANDARD COMBI FIXTURE ANGLED RI	RIGHT EXISTING FIXTURE	-	VERIFY	1-1/2	1/2	4 EXISTING FIXTURE PROVIDED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL REPLACE DIAPHRAGN FLUSH VALVES. AND O-RINGS IN SALVAGED PLUMBING FIXTURES. VERIFY FUNCTIONALITY OF SALVAGED PLUMBING FIXTURES PRIOR TO INSTALLAT IF FUNCTIONALITY ISSUES ARE DISCOVERED, CONTRACTOR MUST NOTIFY ARCHITECT IN A TIMELY MANNER AS NOT TO IMPEDE CONSTRUCTION
	_	P-18 STANDARD COMBI FIXTURE ANGLED L	LEFT EXISTING FIXTURE	-	VERIFY	1-1/2	1/2	 SCHEDULE. MECHANICAL CONTRACTOR SHALL PROVIDE ALL MATERIALS REQUIRED FOR INSTALLATION 4 EXISTING FIXTURE PROVIDED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL REPLACE DIAPHRAGN FLUSH VALVES. AND O-RINGS IN SALVAGED PLUMBING FIXTURES. VERIFY FUNCTIONALITY OF SALVAGED PLUMBING FIXTURES PRIOR TO INSTALLAT IF FUNCTIONALITY ISSUES ARE DISCOVERED, CONTRACTOR MUST NOTIFY ARCHITECT IN A TIMELY MANNER AS NOT TO IMPEDE CONSTRUCTION
$\frac{1}{10} = \frac{1}{10} \frac{1}{10}$		P-19 PRISON CELL FLOOR DRAIN	MIFAB	F1160C	FLOOR	-	-	2 PRISON CELL FLOOR DRAIN WITH LACQUERED CAST IRON BODY AND ANCHOR FLANGE, WEEPHOLES, NO HUB SIDE OUTLET, INTEGRAL DEEP SEAL TRAP WITH CLEANOUT PLUG AND AD JUSTABLE STRAINER WITH T-20 TORX AND PIN SECURITY SCREWS
		P-20 LAUNDRY WALL BOX P-21 ROOF DRAIN	GUY GRAY E WADE 30	BB200TS 000-AE-53	WALL ROOF	1/2	1/2	 2 WASHING MACHINE WALL BOX WITH TOP SUPPLY AND 2 INCH DRAIN. MOUNT BOTTOM OF BOX MINIMUM 36" AFF. * *SIZE AS INDICATED ON PLANS. CAST IRON ROOF DRAIN WITH FLASHING RING FLANGE GRAVEL STOP CAST IRON DOME LINDER DECK CLAMP
		P-22 OVERFLOW DRAIN	WADE 30	000-AE-53	ROOF	_	-	 * *SIZE AS INDICATED ON PLANS. CAST IRON ROOF DRAIN WITH FLASHING RING, FLANGE, GRAVEL STOP, CAST IRON DOME, UNDER DECK CLAMP,
	_	P-23 OVERFLOW NOZZLE	MADE MAD	DE 3940-166	MALL	-	-	ADJUSTABLE EXTENSION AND VANDAL PROOF SCREWS. * *SIZE TO MATCH OVERFLOW DRAIN PIPING. CAST BRONZE DOWNSPOUT NOZZLE WITH INLET AND FLANGE TO SECURE NOZZLE TO WALL. FASTENING
		P-24 ROOF HYDRANT	WOODFORD	SRH-MS	ROOF	3/4	-	HARDWARE TO MATCH NOZZLE. MOUNT 12" A.F.F. PROVIDE WITH BIRD SCREEN WITH MATCHING FINISH. - AUTOMATIC DRAINING, BACKFLOW PROTECTED, FREEZE PROOF ROOF HYDRANT.
		P-25 ACCESSIBLE SECURITY SHOWER UNIT	NIT ACORN MFG. LR17	141ADAFA-RD	MALL	1/2	1/2	RECESSED, FRONT ACCESS STAINLESS STEEL LIGATURE RESISTANT ADA COMPLIANT WALL SHOWER UNIT. PROVIDE WITH CONICAL SHOWERHEADS I BOTH UPPER AND LOWER FIXED HEADS. PROVIDE WITH REGULARLY FURNISHED ADA COMPLIANT METERING AIR CONTROL VALVE FOR HOT AND C WATER, LIGATURE RESISTANT HEMISPHERICAL PUSHBUTTON, RECESSED SOAP DISH AND ALL NECESSARY FASTENERS. MECHANICAL CONTRACTOR PROVIDE ALL REQUIRED MOUNTING HARDWARE. REINSTALL AT EXISTING LOCATION AND RECONNECT TO EXISTING UTILITIES. FIELD VERIFY AS REQUIRED. FIXTURE MUST BE ADA ACCESSIBLE
	_	P-26 SECURITY SHOWER UNIT	ACORN MFG. 1	741FA-RD	MALL	1/2	1/2	 RECESSED, FRONT ACCESS STAINLESS STEEL LIGATURE RESISTANT WALL SHOWER UNIT. PROVIDE WITH CONICAL SHOWERHEAD. PROVIDE WITH REGULARLY FURNISHED METERING AIR CONTROL, NON-HOLD-OPEN VALVE, FOR HOT AND COLD WATER, LIGATURE RESISTANT HEMISPHERICAL PUSHBUTTON, RECESSED SOAP DISH AND ALL NECESSARY FASTENERS. MECHANICAL CONTRACTOR TO PROVIDE ALL REQUIRED MOUNTING HARDMARE, REINSTALL AT EXISTING LOCATION AND RECONNECT TO EXISTING UTILITIES FIELD VERIEY AS REQUIRED.
A Control of the second secon		ADDENDUM 1 05-16-2025 P-27 P-27 HOSE BIB ACCESSIBLE COMBI FIXTURE	ACORN LR	B75 R1418FA-CT	FLOOR	3/4 1-1/2	- 1/2	 HOSE BIBYIN LOCKING BOX. PROVIDE VACUUM BREARER, BACKFLOW AND AUTOMATIC DRAIM. FIELD VERIFY ROUGH IN DIMENSIONS. INSTALL 18" A.F STAINLESS STEEL LIGATURE RESISTANT LAV/TOILET COMBINATION UNIT WITH HEMISPHERICAL CABINET DESIGN. FIXTURE SHALL BE FLOOR MOUNTED WITH FRONT ACCESS DESIGN. PROVIDE OVAL SHAPED LAVATORY BOWL WITH AIR-TROL PNEUMATICALLY OPERATED PUSHBUTTON VALVE. PROVID HEMISPHERICAL PENAL BUBBLER AND HEMISPHERICAL PENAL PUSHBUTTON. TOILET SHALL BE CONCEALED BLOWOUT JET TYPE WITH AN ELONGATE BOWL, HYDRAULIC FLUSH VALVE, SELF-DRAINING FLUSHING RIM, AND INTEGRAL CONTOURED SEAT. CABINET SHALL BE SOUND-DEADENED WITH FIRE BOWL, HYDRAULIC FLUSH VALVE, SELF-DRAINING FLUSHING RIM, AND INTEGRAL CONTOURED SEAT. CABINET SHALL BE SOUND-DEADENED WITH FIRE BOWL, HYDRAULIC FLUSH VALVE, SELF-DRAINING FLUSHING RIM, AND INTEGRAL CONTOURED SEAT. CABINET SHALL BE SOUND-DEADENED WITH FIRE BOWL, HYDRAULIC FLUSH VALVE, SELF-DRAINING FLUSHING RIM, AND INTEGRAL CONTOURED SEAT. CABINET SHALL BE SOUND-DEADENED WITH FIRE BOWL, HYDRAULIC FLUSH VALVE, SELF-DRAINING FLUSHING RIM, AND INTEGRAL CONTOURED SEAT. CABINET SHALL BE SOUND-DEADENED WITH FIRE BOWL, HYDRAULIC FLUSH VALVE, SELF-DRAINING FLUSHING RIM, AND INTEGRAL CONTOURED SEAT. CABINET SHALL BE SOUND-DEADENED WITH FIRE BOWL, HYDRAULIC FLUSH VALVE, SELF-DRAINING FLUSHING RIM, AND INTEGRAL CONTOURED SEAT. CABINET SHALL BE SOUND-DEADENED WITH FIRE BOWL.
Prod Libre of AHTER LANDE PHEN Libre of AHTER LANDE PHEN Libre of AHTER LANDE PHENO TO JOINT TO J		P-29 ELECTRIC WATER HEATER	RHEEM	ELD530	PLATEORM	1-1/2	1-1/2	RESISTANT MATERIAL. FIXTURE SHALL BE FURNISHED WITH NECESSART FASTENERS, SLEEVES, TEMPLATES, AND HARDWARE FOR PROPER INSTALLATION. FIXTURE MUST BE ADA AGCESSIBLE, COMMERICAL ELECTRIC WATER HEATER, 30 GALLON TANK CARAGITY, 208 VOLT, LEHASE, DUAL 3000 WATT ELEMENTS, SIMULTANEOUS WIRING FU LOAD AMPS 25.0 (TERM L3)/ 14.4 (TERMS L1 & L2). SET TEMPERATURE AT 115 DEGREES F. RECOVERY RATE 30 GPH @ 80 DEGREE F RISE. PROVID MANUEACTURER'S CATCH PAN AND SERVICE VALVE KIT, RE-2/P3 2 EOR DETAIL
P 0 LLOTER ANTE HATER BHEM LOBO PATTERN 1 Conversol, Lotor 20, onter -onter, 20, onter, 20,		P-30 ELECTRIC WATER HEATER	RHEEM	ELDS30	PLATFORM	1-1/2	1-1/2	 COMMERICAL ELECTRIC WATER HEATER, 30 GALLON TANK CAPACITY, 208 VOLT, 3000 WATTS, SIMULTANEOUS WIRING FULL LOAD AMPS 25.0 (TER L3)/ 14.4 (TERMS L1 & L2). SET TEMPERATURE AT 115 DEGREES F. RECOVERY RATE 30 GPH @ 80 DEGREE F RISE. PROVIDE MANUFACTURER'S CAT PAN AND SERVICE VALVE KIT. RE:1/P3.2 FOR DETAIL.
P-32 ELECTIC MATTE VIENTER BVED/ ELOSS2 PLATORIN 1//4 <td></td> <td>P-31 ELECTRIC WATER HEATER</td> <td>RHEEM</td> <td>ELD530</td> <td>PLATFORM</td> <td>1</td> <td>1</td> <td> COMMERICAL ELECTRIC WATER HEATER, 30 GALLON TANK CAPACITY, 208 VOLT, 3000 WATTS, SIMULTANEOUS WIRING FULL LOAD AMPS 25.0 (TER L3)/ 14.4 (TERMS L1 & L2). SET TEMPERATURE AT 115 DEGREES F. RECOVERY RATE 30 GPH @ 80 DEGREE F RISE. PROVIDE MANUFACTURER'S CAT PAN AND SERVICE VALVE KIT. RE:3/P3.2 FOR DETAIL. </td>		P-31 ELECTRIC WATER HEATER	RHEEM	ELD530	PLATFORM	1	1	 COMMERICAL ELECTRIC WATER HEATER, 30 GALLON TANK CAPACITY, 208 VOLT, 3000 WATTS, SIMULTANEOUS WIRING FULL LOAD AMPS 25.0 (TER L3)/ 14.4 (TERMS L1 & L2). SET TEMPERATURE AT 115 DEGREES F. RECOVERY RATE 30 GPH @ 80 DEGREE F RISE. PROVIDE MANUFACTURER'S CAT PAN AND SERVICE VALVE KIT. RE:3/P3.2 FOR DETAIL.
 		P-32 ELECTRIC WATER HEATER	RHEEM	ELDS52	PLATFORM	1-1/4	1-1/4	- COMMERICAL ELECTRIC WATER HEATER, 47 GALLON TANK CAPACITY, 208 VOLT, 1 PHASE, DUAL 5000 WATT ELEMENTS, SIMULTANEOUS WIRING FU LOAD AMPS 41.7 (TERM L3)/ 24.0 (TERMS L1 & L2). SET TEMPERATURE AT 115 DEGREES F. RECOVERY RATE 61 GPH @ 80 DEGREE F RISE. PROVID MANUFACTURER'S CATCH PAN AND SERVICE VALVE KIT. MOUNT WATER HEATER ON PLATFORM. RE:2/P3.2 FOR DETAIL.
P24 BCORN 1 BCORS BCORS <td></td> <td>P-33 GREASE INTERCEPTOR</td> <td>SCHIER PRODUCTS</td> <td>GB-75</td> <td>BELOM GRADE</td> <td>-</td> <td>-</td> <td>4 15 GPM FLOW RATE GREASE INTERCEPTOR, 125 GALLON LIQUID CAPACITY, 861 LBS GREASE CAPACITY. PROVIDE POLYETHYLENE INTERCEPTOR M HEAVY DUTY GASKETED COVERS. PROVIDE EXTENSIONS TO GRADE AS REQUIRED FOR SERVICE. PROVIDE WITH PICKABLE CAST IRON COVER (16, LBS RATED) RE-5/P3 2 FOR DETAIL</td>		P-33 GREASE INTERCEPTOR	SCHIER PRODUCTS	GB-75	BELOM GRADE	-	-	4 15 GPM FLOW RATE GREASE INTERCEPTOR, 125 GALLON LIQUID CAPACITY, 861 LBS GREASE CAPACITY. PROVIDE POLYETHYLENE INTERCEPTOR M HEAVY DUTY GASKETED COVERS. PROVIDE EXTENSIONS TO GRADE AS REQUIRED FOR SERVICE. PROVIDE WITH PICKABLE CAST IRON COVER (16, LBS RATED) RE-5/P3 2 FOR DETAIL
P-05 Edu/Pertor Mult_ BOX G/Y GRAY BIM:05 Mult_ - /22 - Mult_ BOX/MET Torce Current Revenues Current Revenues Current Revenues Revenues Bit Addition Provenues Revenues Revenues <th< td=""><td></td><td>P-34 SECURITY HOSE BIB</td><td>ACORN 8</td><td>0104-SSLF</td><td>MALL</td><td>3/4</td><td>-</td><td> PROVIDE VANDAL RESISTANT COLD WATER HOSE BIB IN LOCKING BOX WITH INTEGRAL VACUUM BREAKER. VALVE SHALL BE A REPLACEABLE CARTRIDGE TYPE WITH VANDAL-RESISTANT LOCKSHIELD BONNET, REMOVABLE LOOSE KEY WHEEL HANDLE AND SCREWDRIVER OPERATED STOP. FIXTURE MUST BE STAINLESS STEEL LEAD FREE CONSTRUCTION. </td></th<>		P-34 SECURITY HOSE BIB	ACORN 8	0104-SSLF	MALL	3/4	-	 PROVIDE VANDAL RESISTANT COLD WATER HOSE BIB IN LOCKING BOX WITH INTEGRAL VACUUM BREAKER. VALVE SHALL BE A REPLACEABLE CARTRIDGE TYPE WITH VANDAL-RESISTANT LOCKSHIELD BONNET, REMOVABLE LOOSE KEY WHEEL HANDLE AND SCREWDRIVER OPERATED STOP. FIXTURE MUST BE STAINLESS STEEL LEAD FREE CONSTRUCTION.
P-31 ACCESSIBLE VANDAL, RESISTANT DRIVING FONTANI WTH DRIVING FORMANIS OASIB PGV0F88F-078-FVF MALL 1/2 - 2 MALL MONTED: ELECTRIC VATES COLD ELECTRI		P-35 EQUIPMENT WALL BOX P-36 DRAIN TEMPERING VALVE	GUY GRAY COOL DRAIN FLOW, INC.	BIM875 DTV20	MALL MALL	- 3/4	-	 MALL MOUNTED KITCHEN EQUIPMENT HOOK UP WITH ANGLE VALVE. FOR USE WITH OWNER PROVIDED DISHWASHER. PROVIDE MECHANICALLY ACTIVATED DRAIN WATER TEMPERING VALVE WHICH ACTIVATES AT 130 DEGREES F AND ABOVE, AND DEACTIVATES AT 10 DEGREES F AND BELOW. PROVIDE WITH MANUFACTURER'S CHECK VALVE AND WATER HAMMER ARRESTOR. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
Accessible: Construction for fixiture installation with million with		P-37 ACCESSIBLE VANDAL RESISTANT DRINKING I WITH BOTTLE FILLER	FOUNTAIN OASIS PGV8F	FSBF-BRB-FVF	MALL	1/2	-	2 WALL MOUNTED, ELECTRIC WATER COOLER, WITH BOTTLE FILLING UNIT; 8.0 GPH AT ARI STANDARDS, 115 VOLT, SINGLE PHASE, 5.0 FULL LOAD AN 500 WATTS. COORDINATE LOCATION OF ELECTRICAL OUTLET WITH ELECTRICAL CONTRACTOR. PROVIDE FIXTURE WITH SINGLE VANDAL RESISTANT PUSH BUTTON ACTIVATION FOR VANDAL RESISTANT BUBBLER. BOTTLE FILLER UNIT SHALL HAVE SINGLE VANDAL RESISTANT PUSH BUTTON WITH MECHANICAL ACTIVATION. FIXTURE MUST HAVE INTEGRAL WASTE DRAIN. PROVIDE WITH MANUFACTURER'S CANE APRON FIXTURE MUST BE ADA
 3. () DENOTES INDIRECT DRAIN. 4. MECHANICAL CONTRACTOR SHALL PROVIDE APPROVED TRAP GUARDS ON ALL FLOOR BINKS AND FLOOR DRAINS. CIRCULATING PUMP SCHEDULE MARK MFG MODEL GPM HEAD (FT) VLT / PH / HZ REMARKS / CP-1 BELL & GOSSETT NBF-36 12 20 115 / 1 / 60 210 1, 2, 3, 4 CP-3 BELL & GOSSETT NBF-36 12 20 115 / 1 / 60 210 1, 2, 3, 4 ACCESSORIES CP-3 BELL & GOSSETT NBF-36 12 20 115 / 1 / 60 210 1, 2, 3, 4 ACCESSORIES 12 20 115 / 1 / 60 210 1, 2, 3, 4 MEDIAL MARCHARCHAR ACCESSORIES MEDIAL MARCHARCHAR ACCESSORIES MEDIAL MEDIAL </td <td></td> <td>1. COORDINATE COUNTER TOP FIXTURE INSTALLATION 2. INSTALL ACCESSIBLE FLUSH VALVE TO THE ACCESS</td> <td>DN WITH MILLWORK. SSIBLE SIDE.</td> <td></td> <td></td> <td></td> <td></td> <td>ACCESSIBLE.</td>		1. COORDINATE COUNTER TOP FIXTURE INSTALLATION 2. INSTALL ACCESSIBLE FLUSH VALVE TO THE ACCESS	DN WITH MILLWORK. SSIBLE SIDE.					ACCESSIBLE.
CIRCULATING PUMP SCHEDULE MARK MFG MODEL GPM HEAD (FT) VLT / PH / HZ WATTS REMARKS / ACCESSORIES CP-1 BELL & GOSSETT NBF-36 12 20 115 / 1 / 60 270 1, 2, 3, 4 CP-2 BELL & GOSSETT NBF-36 12 20 115 / 1 / 60 270 1, 2, 3, 4 CP-3 BELL & GOSSETT NBF-36 12 20 115 / 1 / 60 270 1, 2, 3, 4 ACCESSORIES 12 20 115 / 1 / 60 270 1, 2, 3, 4 10 ACCESSORIES I Image: Construction For Hot Water Recirculation. 210 1, 2, 3, 4 10 1, 2, 3, 4		3. () DENOTES INDIRECT DRAIN. 4. MECHANICAL CONTRACTOR SHALL PROVIDE APPR	ROVED TRAP GUARDS ON ALL FLOOR SINKS AN	ND FLOOR DRAINS	5.			
MARK MFG MODEL GPM HEAD (FT) VLT / PH / HZ WATTS ACCESSORIES CP-1 BELL & GOSSETT NBF-36 12 20 115 / 1 / 60 270 1, 2, 3, 4 CP-2 BELL & GOSSETT NBF-36 12 20 115 / 1 / 60 270 1, 2, 3, 4 CP-3 BELL & GOSSETT NBF-36 12 20 115 / 1 / 60 270 1, 2, 3, 4 ACCESSORIES I. BRONZE CONSTRUCTION FOR HOT WATER RECIRCULATION. MATER RECIRCULATION. MATTS MATTS MATTS		C	CIRCULATING PUMP SCHEDULE		PEN	1ARKS /		
CP-3 BELL & GOSSETT NBF-36 12 20 115 / 1 / 60 270 1, 2, 3, 4 <u>ACCESSORIES</u> 1. BRONZE CONSTRUCTION FOR HOT WATER RECIRCULATION. Image: Construction for hot water recirculation. Image: Construction for hot water recirculation.		MARKMFGMODELCP-1BELL & GOSSETTNBF-36CP-2BELL & GOSSETTNBF-36	GPM HEAD (FT) VLT / PH / H 12 20 115 / 1 / 60 12 20 115 / 1 / 60	IZ WATTS 270 270	ACCE	2, 3, 4 2, 3, 4	>	
2. PROVIDE AQUASTAT.		CP-3 BELL & GOSSETT NBF-36 <u>ACCESSORIES</u> 1. BRONZE CONSTRUCTION FOR HOT WATER RECIRCU 2. PROVIDE AQUASTAT.	12 20 115 / 1 / 60	270	1,	2, 3, 4]	HSAEngineerin
3. PLUMBING CONTRACTOR TO PROVIDE TC-1 AUTOMATIC TIMER. 4. PROVIDE 3 SPEED MOTOR.		3. PLUMBING CONTRACTOR TO PROVIDE TC-1 AUTOM 4. PROVIDE 3 SPEED MOTOR.	MATIC TIMER.					479 / 452 / 8922 of 7405 Ellis St.
NOTES: RE:P1.1 FOR PLUMBING LEGEND, GENERAL AND KEYED NOTES. RE:P2.1 FOR PLUMBING PLANS. RE:P3.1-P3.2 FOR PLUMBING DETAILS.								NOTES: RE:P1.1 FOR PLUMBING LEGEND, GENERAL AND KEYED NOTES. RE:P2.1 FOR PLUMBING PLANS. RE:P3.1-P3.2 FOR PLUMBING DETAILS.

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ARKANSAS REGISTERED PROFESSIONAL ENGINEER ZANO.14057 G

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HVAC KEYED NOTES

1 SMOKE DETECTORS TO BE INSTALLED IN THE SUPPLY AND RETURN AIR DUCTS AND INTERLOCKED WITH AIR HANDLER FAN FOR SHUT-OFF PER N.F.P.A. 90 A & B ON ALL AIR HANDLERS GREATER THAN 15000 C.F.M. SUPPLY AIR DUCT SMOKE DETECTOR SHALL BE INSTALLED ON SUPPLY SIDE OF AIR HANDLING SYSTEM DOWN STREAM OF ANY AIR FILTERS AND PRIOR TO ANY BRANCH DUCT CONNECTIONS. EXCEPTION: THE SMOKE DETECTOR IN THE SUPPLY AIR STREAM MAY BE OMITTED IN SYSTEMS 15000 C.F.M. OR LESS CAPACITY. SMOKE DETECTORS SHALL BE PROVIDED INSTALLED AND WIRED BY FIRE ALARM CONTRACTOR. MECHANICAL CONTRACTOR SHALL WIRE SMOKE DETECTOR TO THE UNIT FAN SHUT OFF CONTACTS. MECHANICAL CONTRACTOR SHALL PROVIDE ALL ACCESSORIES REQUIRED TO MAKE THE FAN SHUT OFF CONNECTION. SMOKE DETECTORS TO BE LOCATED IN RETURN AIR DUCT PRIOR TO THE INTRODUCTION OF THE OUTSIDE AIR.

2 LOCATE THERMOSTAT OR HUMIDISTAT AS INDICATED WITH THE CENTER OF THE THERMOSTAT AT 48 IN. ABOVE FINISHED FLOOR. SEAL ALL THERMOSTAT CONDUITS AT TOP AND BOTTOM OF CONDUIT. PROVIDE INSULATED BACKING FOR MOUNTING THERMOSTATS.

MAINTAIN A MINIMUM OF 10 FT. CLEARANCE BETWEEN ALL EXHAUST OUTLETS, FLUES, PLUMBING VENTS AND ANY FRESH AIR INTAKES. IF 10 FT. CLEARANCE CAN NOT BE MAINTAINED EXHAUST OUTLET, FLUE, OR VENT MUST TERMINATE AT A POINT AT LEAST 36 IN. ABOVE HIGHEST FRESH AIR INTAKE WITHIN 10 FT. LIMIT.

4 MECHANICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT, FANS AND APPLIANCES A MINIMUM OF 10 FEET FROM A ROOF EDGE OR OPEN SIDE WHERE SUCH EDGE OR OPEN SIDE IS GREATER THAN 30 INCHES ABOVE A FLOOR, ROOF OR GRADE BELOW. GUARD RAILS A MINIMUM OF 42 INCHES THE ELEVATED SURFACE SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR AND EXTENDED A MINIMUM OF 30 INCHES BEYOND EACH END OF SUCH EQUIPMENT, FAN OR APPLIANCE WHERE APPLIANCES, EQUIPMENT, FANS OR OTHER COMPONENTS ARE LOCATED WITHIN THE REQUIRED 10 FOOT CLEARANCE REQUIREMENT. THE GUARD SHALL BE CONSTRUCTED SO AS TO PREVENT THE PASSAGE OF A 21 INCH DIAMETER SPHERE AND COMPLY WITH THE LOADING REQUIREMENTS FOR GUARDS SPECIFIED IN THE LATEST ACCEPTED INTERNATIONAL BUILDING CODE.

5 PROVIDE COMPATIBLE CLEAR PLASTIC THERMOSTAT LOCK BOX.

6 TYPICAL FOR GREASE DUCTWORK, PROVIDE ALL CLEANOUTS AS REQUIRED BY CODE IN GREASE DUCT. SLOP ALL GREASE DUCTWORK TOWARDS HOOD. REFER TO ARKANSAS MECHANICAL CODE FOR MINIMUM SLOPE OF GREASE DUCT.

7 SMOKE DETECTORS TO BE INSTALLED AS PART OF SMOKE CONTROL SYSTEM. REFER TO HVAC CONTROLS FOR DETAILS OF OPERATION. SMOKE DETECTORS SHALL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR AND WIRED BY FIRE ALARM CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE SMOKE DETECTORS COMPATIBLE WITH THE BUILDINGS'S EXISTING FIRE ALARM SYSTEM AND INSTALL THEM IN A LOCATION THAT IS ACCESSIBLE FOR MAINTENANCE.

8 PROVIDE SMOKE DAMPER EQUAL TO GREENHECK SMD-301 WITH 120V ACTUATOR EQUAL TO BELIMO AF-120 WITH END SWITCH, MOTORIZED SMOKE CONTROL DAMPERS LOCATED IN DUCT TO BE INTERLOCKED PER HVAC SMOKE CONTROL DIAGRAMS. DAMPERS TO BE LOCATED IN VERTICAL DUCT RUN FOR EXHAUST & SUPPLY SMOKE CONTROL FAN SERVING ZONE. MOTORIZED SMOKE CONTROL DAMPERS TO BE LOCATED IN SUPPLY & RETURN UNITS SERVING ZONE. REFER TO M4.1 FOR ZONE CONTROL DIAGRAMS AND NOTES.

PROVIDE 2FT X 2FT SECURITY ACCESS PANEL. COORDINATE LOCATION OF PANEL WITH MECHANICAL CONTRACTOR TO GIVE ACCESS TO DAMPERS AND OTHER MECHANICAL DEVICES ABOVE SECURITY PANEL CEILING.

PROVIDE COMBINATION FIRE/SMOKE DAMPER AT LOCATION INDICATED ON DRAWING PROVIDE WITH 120V ACTUATOR POWERED OPEN FAIL CLOSED. PROVIDE WITH 24V CONTROL RELAY TO CLOSE DAMPER AND ACTIVATE SMOKE CONTROL EXHAUST FAN WHEN FIRE ENCLOSURE SYSTEM IS ACTIVATED, COORDINATE REQUIRED RELAY WITH FIRE ALARM CONTRACTOR.

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MECHANICAL LEGEND

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EXHAUST DUCT SECTION

PPLY GRILLE

TURN GRILLE

HAUST GRILLE

SUPPLY OR RETURN GRILLE

NOTES

DAMPER

SUPPLY, RETURN, OR EXHAUST DUCT

EXISTING SUPPLY, RETURN, OR EXHAUST DUCT

RECTANGULAR DUCT FIRE DAMPER

ROUND DUCT FIRE DAMPER (NUMBER DENOTES FIRE RATING OF 1FD WALL. EXAMPLE: 1FD = ONE HR. RATED WALL)

FLEX DUCT CONNECTION MAXIMUM OF 5 FT.

RTU-1

THERMOSTAT. MOUNT AT 48" A.F.F TO TOP (NUMBER DENOTES ROOFTOP UNIT)

> \mathbf{M} Ш _____ \mathbf{O} JUSTICI COUNTY СĽ ENTON Ш **ADDITION** NO BENT AN Ω DCN CHECK BY NEW ISSUE DATE 04/28/2025 PROJECT NO 2311 REVISION DATES DATE DESCRIPTION 05/16/2025 ADDENDUM 1 HVAC NOTES & LEGEND S Н Е Е Т

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