

#### **Bryant Development and Review Committee Meeting**

Boswell Municipal Complex - City Hall Conference Room 210 SW 3rd Street

**Date:** March 14, 2024 - **Time:** 9:00 AM

Call to Order

**Old Business** 

**New Business** 

1. Lombard Heights Ph. 3 - Plat

Hope Consulting - Requesting Discussion on Phase 3 of Subdivision Plat

· 20-1388-Final Plat-Phase 3-08-25-23.pdf

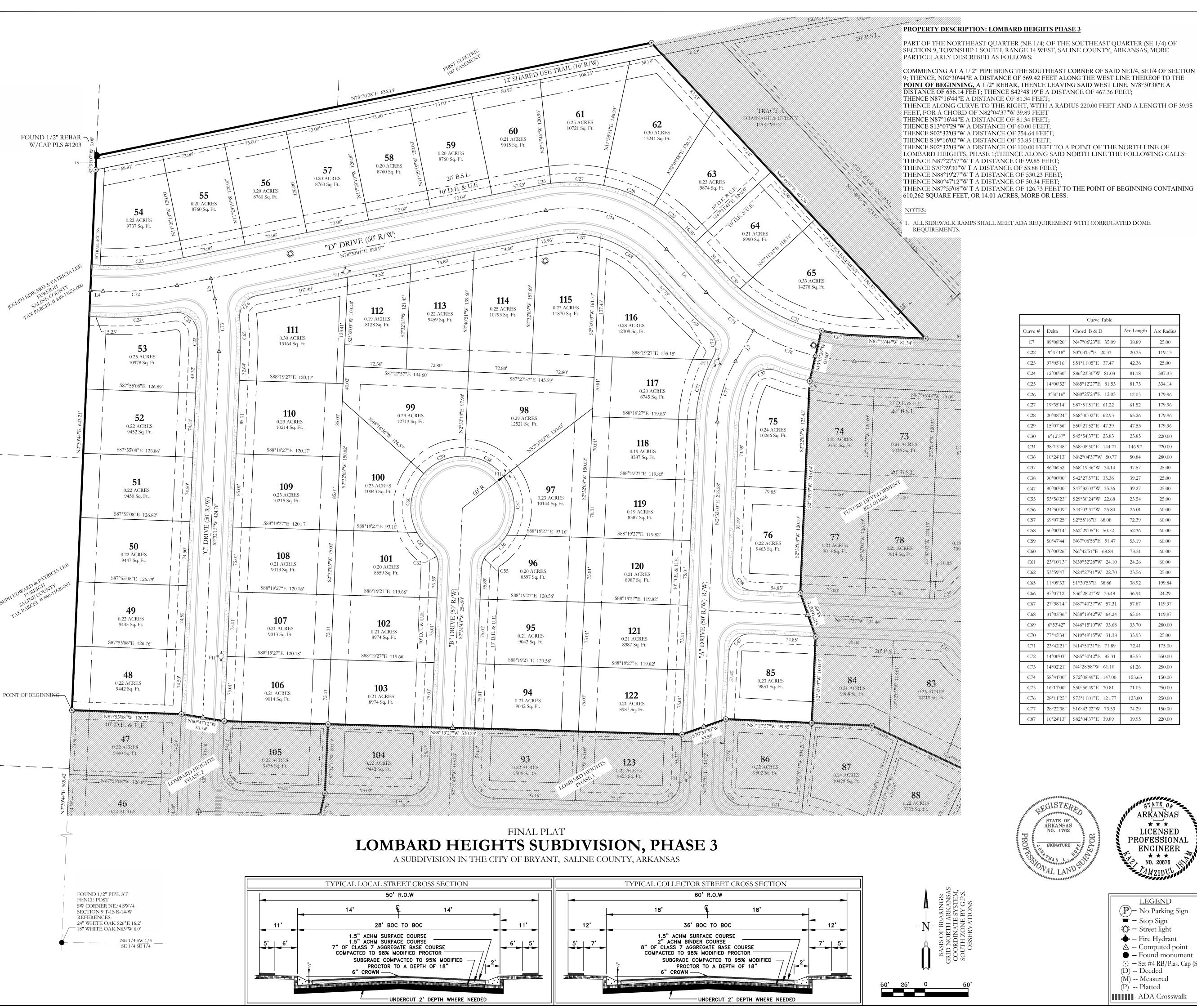
2. Arkansas Christian Academy - 21815 I-30 - Middle School - Storm Shelter

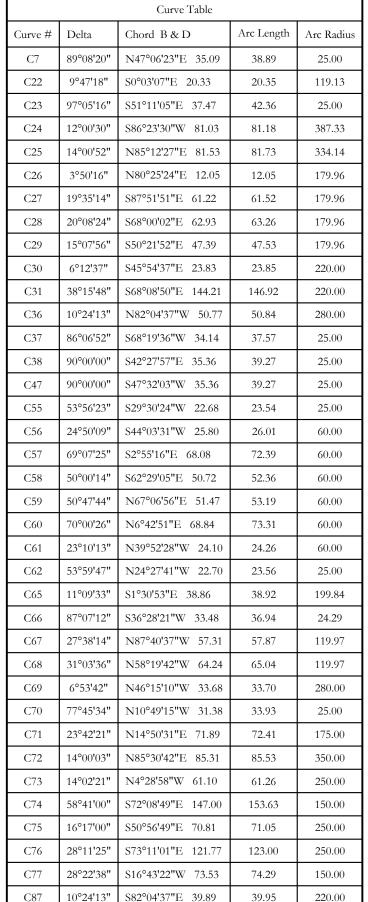
Perry Black - Requesting Site Plan Approval for Storm Shelter

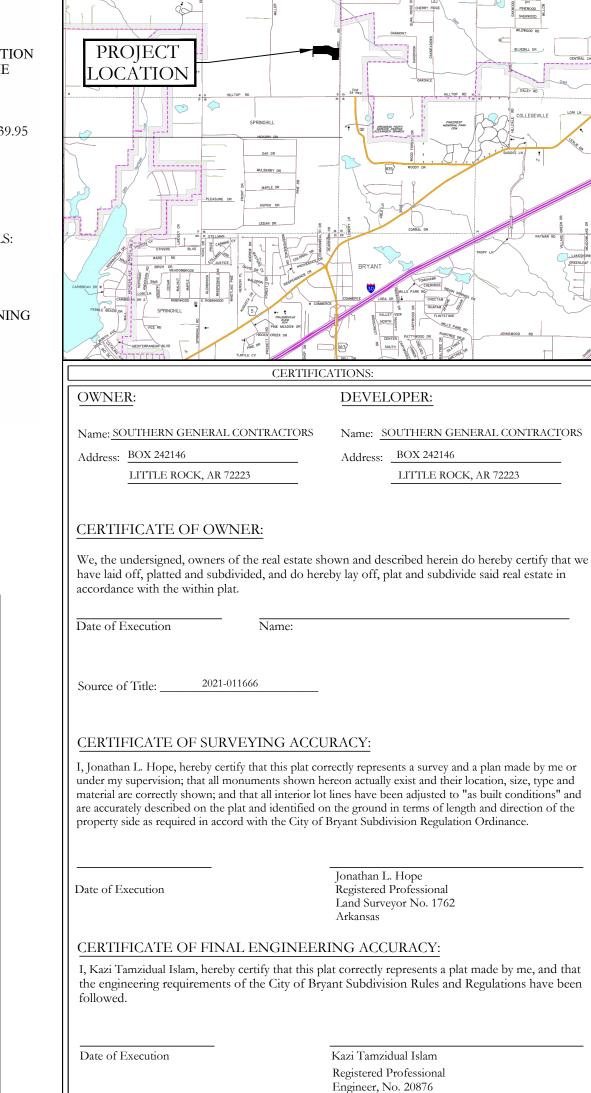
- · 0826-PLN-02.pdf
- 0826-PLN-03.pdf

#### **Permit Report**

**Adjournments** 







certify that this drawing correctly depicts a survey compiled under my supervision. NOTE: This survey was based on legal descriptions and title work furnished by others and does not represent a title search.

No portion of the property described hereon lies within the 100 year flood plane, according to the Flood Insurance Rate Map, panel # \_\_\_\_\_\_06/05/2020 Dated: 05125C0240E

By affixing my seal and signature, I Jonathan L. Hope, PLS No, 1762, hereby



CERTIFICATE OF FINAL APPROVAL

P.O. BOX 242146

LITTLE ROCK, AR 72223

LITTLE ROCK, AR 72223

117 S MARKET STREET

BENTON, AR 72015

NAME OF SUBDIVISION: LOMBARD HEIGHTS

Date of Execution

SUBDIVIDER P.O. BOX 242146

ZONING CLASSIFICATION: R-1.S

SOURCE OF TITLE: 2017-11245

OWNER:

ENGINEERS:

Pursuant to the City of Bryant Subdivision Rules and Regulations, this document was given

approval by the Bryant Planning Commission at a meeting held \_\_\_\_\_\_, 20 \_\_\_\_\_. All of

the document is hereby accepted, and this certificate executed under the authority of said rules

PROPERTY SPECIFICATIONS:

SOUTHERN GENERAL CONTRACTORS MIN. LOT SIZE:

DEVELOPER/: SOUTHERN GENERAL CONTRACTORS | SOURCE OF SEWER: CITY OF BRYANT

Rick Johnson,

Bryant Planning Commission

NUMBER OF LOTS: 48

BUILDING SETBACKS:

FRONT - 20' OR AS SHOWN

REAR - 20' OR AS SHOWN

SIDE - 8' OR AS SHOWN

FRONT - 10' OR AS SHOWN

REAR - 10' OR AS SHOWN

STREET WIDTH: 28' BOC TO BOC LOT CORNERS: SET 1/2" REBAR WITH CAP

SIDE - 5' OR AS SHOWN

SOURCE OF WATER: SALEM WATER USERS

SOURCE OF GAS: CENTERPOINT ENERGY

SOURCE OF ELECTRIC: FIRST ELECTRIC COOP

EASEMENTS: UTILITY & DRAINAGE (D.E. & U.E.)

STREET RIGHT OF WAYS: 50' OR AS SHOWN

ENGINEERS - SURVEYORS www.hopeconsulting.com

FOR USE AND BENEFIT OF: SOUTHERN GENERAL CONTRACTORS

## FINAL PLAT

#### LOMBARD HEIGHTS, PHASE 3

<ul> <li>Found monument</li> </ul>		A SUBDIVISION IN THE CITY OF BRYANT, SALINE COUNTY, ARKANSAS									
<ul><li>⊙ - Set #4 RB/Plas. Cap (SIP)</li><li>(D) Deeded</li></ul>	DATE:	DATE: 08/25/2023 C.A.D. BY: B.JOHNSON					DI	DRAWING NUMBER:			
(M) Measured	REVISED:			CHEC	CKEI	D BY:			20	)-1388	OJECT
(P) Platted	KE ( 13ED:	SCALE: 1"=50'				=50'		20-1300			N
IIIII- ADA Crosswalk	500	01S	14	W	0	9	210		62	1762	

STATE OF ARKANSAS SIGNATURE

ARKANSAS  $\star\star\star$ LICENSED **PROFESSIONAL ENGINEER** NO. 20876

LEGEND

P No Parking Sign

**■** - Stop Sign

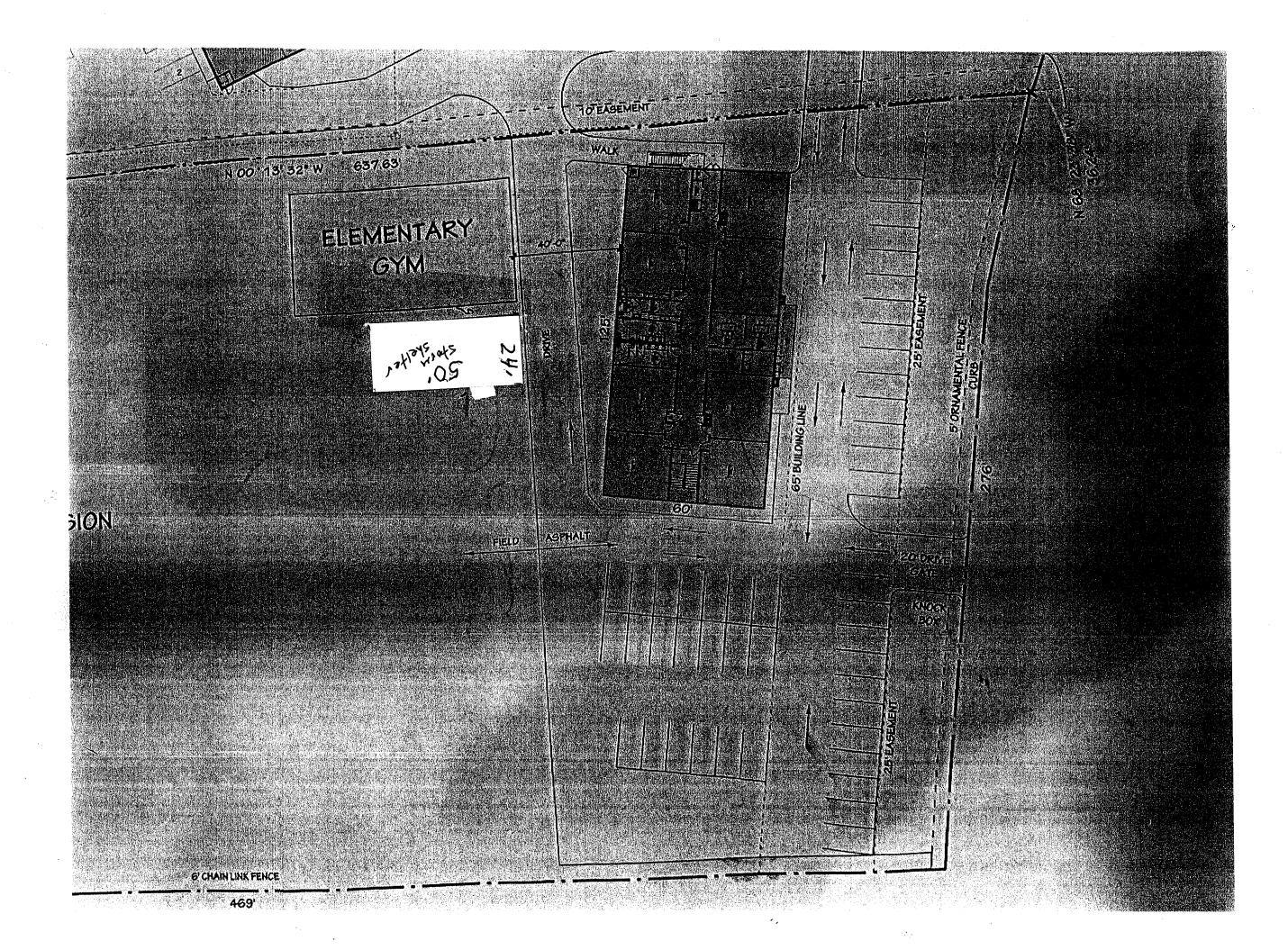
☆ − Street light

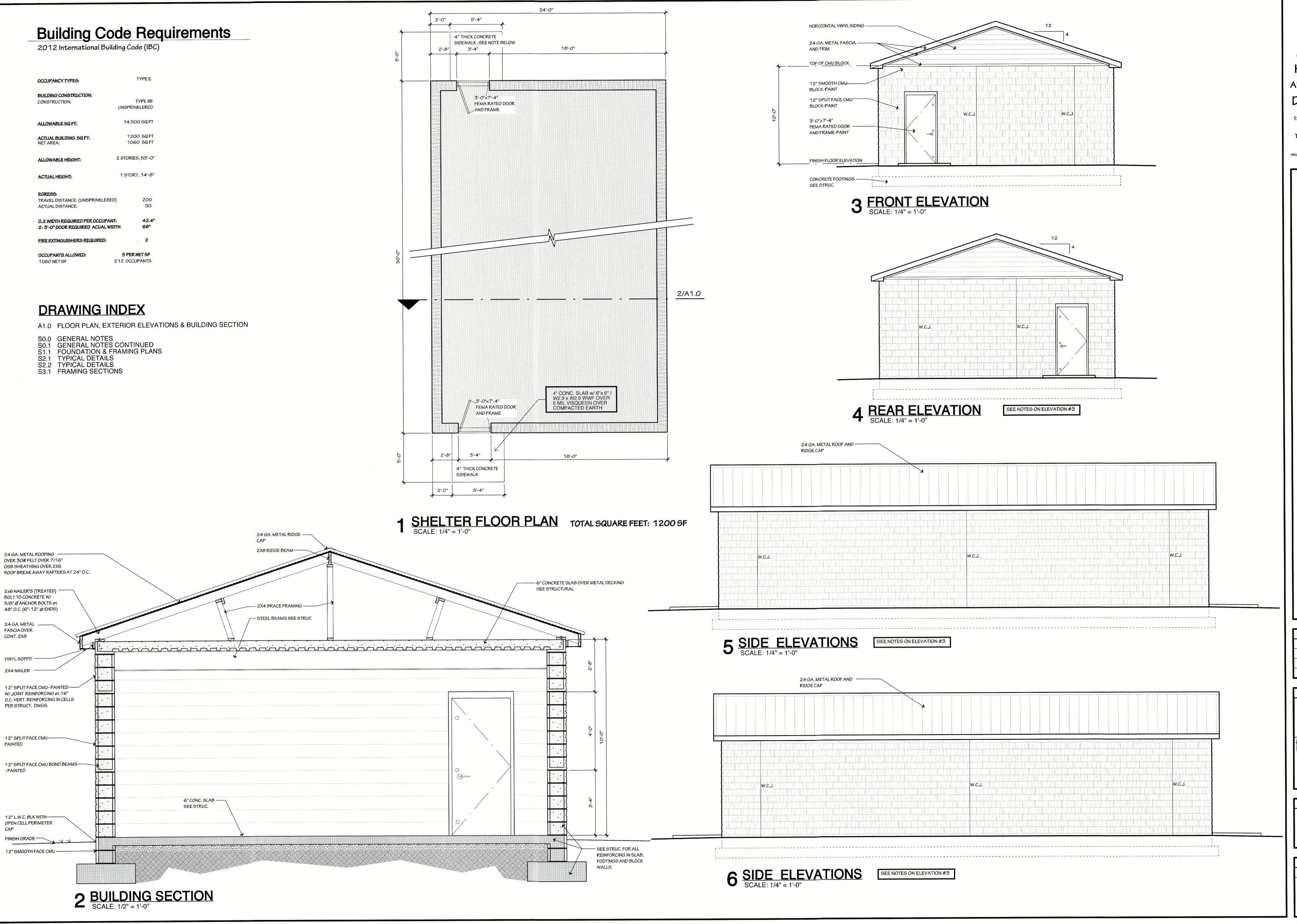
- ADA Crosswalk

**♣** – Fire Hydrant

△ - Computed point

Found monument





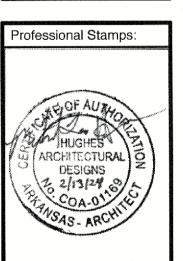


HUGHES ARCHITECTURAL DESIGNS

1202 N STATE LINE AVE
SUITE #102
TEXARKANA, AR 71854
501-627-2448
michaelhughes72s77@gmail.com

ademy

New Stolens:



Sheet Title:
Floor Plan,
Exterior Elev's
& Bldg Section

Date: 02-13-2024
Sheet Number:

### **GENERAL NOTES**

In case of conflict between the General Notes below and the Specifications, the more rigid requirement shall govern unless amended in writing by the Structural Engineer of Record. **DESIGN DATA** 

. Design Codes — (All latest editions unless noted otherwise.)

International Building Codes (IBC 2021)

- Arkansas Fire Prevention Code 2007 Edition (IBC 2012) with Amendments - American Society of Civil Engineers (ASCE 7-16) Minimum Design Loads for Buildings

and Other Structures American Concrete Institute (ACI)

American Institute of Steel Construction (AISC)

American Welding Society (AWS)

- American Iron and Steel Institute Specifications for the Design of Cold Formed Steel Structural Members (AISI)

- National Design Specification for Wood Construction (ANSI/AF&PA NDS-2018) Steel Deck Institute (SDI)

- Standard for the Design and Construction of Storm Shelters (2020 ICC 500)

- Safe Rooms for Tornadoes and Hurricanes (2021 FEMA P-361) 2. Design Loads (IBC & ASCE7)

 Dead Load Design Data 15 psf Roof Floor 127 psf of wall area Exterior CMU Wall Live Load Design Data Floor Distributed 100 psf (Not reducible) Lobby (1st Floor) Floor Concentrated

2000 lb Office wall area (Reducible per code) Partition Load 100 psf Slab-On-Grade Live Roof Load Design Data 100 psf Roof (Sloped) 100 psf Roof (Flat)

 Wind Design Data Risk Category 250mph Velocity - Wind Exposure Category  $0.55 \pm$ - Internal Pressure Coefficient, GCpi Wind Directional Factor, K<sub>d</sub>

1.0 - Topograph Factor, K<sub>zt</sub> Snow Design Data - Importance Factor for Snow, Is 10 psf Ground Snow Load, F 1.0 - Exposure Coefficient Ce Thermal Factor C<sub>t</sub> 1.0

 Roof Slope Factor, C<sub>s</sub> 9.1 psf (Use min 11 psf w/ Rain on Snow - Flat Roof Snow Load P Surcharge)

L/240

H/600

L/600

0.025 hsx

ASTM A615, GR 60

ASTM A706, GR 60

ASTM A497, (Defromed)

NA

5+1

ASTM A185, (Plain)

 Seismic Criteria Risk Category - Seismic Importance Factor, IF Site Soil Class

- Mapped Spectral Response Coefficients  $S_8 = 0.313$  /  $S_1 = 0.133$  $S_{ds} = 0.323 / S_{d1} = 0.207$  Seismic Design Category - Basic Seismic Force Resisting System A.7 Specially Reinforced Masonry Shear

- Design Base Shear - Seismic Response Coefficient, Cs 0.097 Response Modifications Factor, R Equivalent Lateral Force Analysis Procedure

 Flood Design Data Flood Design Class Flood Zone

 Deflection and Drift Limitations Roof/Floor Members

 Building Drift Max Wall Deflection Story Drift (Seismic) Material & Component Design Criteria

 Cast-In-Place Concrete Concrete Reinforcing — Bar (Typical) Concrete Reinforcing — Bar (Weldable) Concrete Reinforcing — Welded Wire Fabric Cement

ASTM C150 ASTM C33, ASTM C330 Aggregate Concrete Mix Criteria F'c, PSI WT, PCF AGG, IN AE. % Class Use Category F S W C I. FTG/FDN/PC 0 0 0 0 3500 II. Interior Slab 0 0 0 0 4000 145 III. Exterior Slab 1 0 0 0 4000 V. All Other 0 0 0 4000

Reference ACI 318 Chapter 4 For Additional Information Regarding Durability Category And Class Requirement

Concrete Mix Design Shall Be Submitted For Each Class In Accordance With The Procedure Outlined in ACI 301, Standard Specification For Structural Concrete. Documentation Submitted Shall Include The Mix Data. For Additional Submittal Requirements, Reference ACI 301. For Requirements On The Use Of Admixtures And Limits On The Water/Cementitious Materials Ratio For Durability, Reference The Project Manual/Specifications And ACI 318, Building Code Requirements For Structural Concrete.

Structural Masonry - Design Compressive Strength (F'm= 2000 PSI)

ASTM C90. NORMAL WT Concrete Masonry Units Reinforcing Steel (UNO): ASTM A615, GR 60 Bar Reinforcing (Typical) ASTM A706, GR 60 Bar Reinforcing (Weldable) ASTM A951 Joint Reinforcement ASTM C476 Grout (F'c= 3000 PSI, 8"-11" Slump) ASTM C1019 ASTM C270 or Mortar, Type S

ASTM C780 - Non-Shrink Grout Under Plates (F'c=8000 PSI) ASTM C1107, GR A

Structural Steel Structural Shapes (UNO)

ASTM A992 or ASTM A572 Wide Flange ASTM A36 or ASTM A572 - Channels, Angles and Plates Hollow Structural Sections

ASTM A500, GR C - HSS, (Fy = 46 KSI) ASTM A53, GR C - Pipe, (Fy = 35 KSI) ASTM A325 - Bolts And Fasteners (UNO) Structural/Anchor Rods

ASTM F1554, Grade 55 (Weldable) ASTM A108, AWS D1.1, Type B Headed Shear Studs 3. Design Soil Bearing Pressures

- Footings on natural soils or compacted structural fill are designed for a minimum

soil bearing pressure of 1,800 psf. - If the soil at the footing bearing elevations shown is of questionable bearing value, the Engineer or Architect shall be notified immediately. - After footing excavations are completed and before placing concrete, the excavated areas shall be inspected and approved by the Owner selected independent testing laboratory.

#### ICC 500 106.2.1 STORM SHELTER DESIGN INFORMATION

Community; Tornado Type of Storm Shelter: Building Occupants 2. Use of Community Storm Shelter:

3. Design conforms to the provisions of ICC 500 Standard for the Design and Construction of Storm Shelters, 2020.

V<sub>T</sub>, 250 mph 4. The Storm Shelter design wind speed: The wind exposure category.  $\pm 0.55$ 6. The internal pressure coefficient, (GCpi) 1.0 7. The topographic factor, (Kzt)

8. The directionality factor, (K<sub>d</sub>) 9. Design wind pressures and their applicable zones with dimensions neded for the specification of the components and cladding of the storm shelter envelope, (psf). 10. Where the storm shelter is subject to the requirements of Section 402.1, a

statement that the storm shelter has or has not been constructed in accordance with Chapter 4. Storm Shelter has been constructed follow 402.1.

11. Where storm shelter is subject to the requirements of Section Zone X n/a. Not located in a 500-year flood zone.

12. Documentation showing that components of the storm shelter envelope will meet the static and cyclic pressure and impact test requirements indentified in Chapters 3 and 8: Our design follows minimums placed by FEMA P-361 B8.2.3.3 and B8.2.3.4 to meet these requirements.

13. A floor plan drawing or picture indicating location of storm shelter on a site or in a building; including a drawing or image indicating the entire facility. See S1.1.

150 Occupants

 $22ft \times 34ft = 748ft^2$ 

14. A storm shelter section or elevation indicating the height of

the storm shelter. See S3.1. 15. A storm shelter section or elevation indicating the height of

the storm shelter. See S3.1. 16. The lowest storm shelter floor elevation and corresponding

datum. Reference Civil. 17. The design occupant capacity: 18. Calculations for the usable floor area:

19. Calculations for venting area provided and the locations: 20. Calculations for the number of sanitations facilities: 21. Minimum foundation capacity requirements: See Structural Documents.

22. Storm shelter installation requirements for all post installed N/A anchors.

#### **GENERAL INFORMATION**

1. All columns shall be centered on grid lines unless noted otherwise.

2. All column footings shall be centered on columns unless noted otherwise.

3. All wall footings shall be centered on walls unless noted otherwise. 4. Unless otherwise noted or detailed, concrete pads for mechanical equipment shall

be 4" thick (minimum) and reinforced with #3 @ 12" oc each way centered. 5. Substitution of expansion anchors for embedded anchors shall not be permitted.

6. Weights of mechanical equipment shown on the structural plans are for units specified by the Mechanical Engineer. Contractor shall verify weights and any substitutions that result in increased weight shall be approved by the Structural

7. Backfill both sides of all foundation and retaining walls equally until low side is up to finish grade. Do not backfill any walls until concrete has reached its specified 28-day compressive strength.

8. Permanent stability of the building and components is not provided until the erection is completed as shown on the contract drawings. "Temporary supports, such as temporary guys, braces, falsework, cribbing or other elements required for the erection operation will be determined, furnished and installed by the erector."

9. The contractor shall insure that no construction load exceeds the design live loads indicated on the structural drawings and that these loads are not put on the structural members prior to the time that all framing members and their connections are in place.

10. The Contractor shall be responsible for Verifying all existing conditions. The Contractor shall be responsible for coordinating architectural, structural, mechanical, and electrical details and dimensions. Any Discrepancies between such details and dimensions shall be reported to the EOR prior to proceeding with the work.

11. The Contractor shall be responsible for erection procedure and sequence to insure the integrity of the building and it's component parts during construction.

#### **SUBMITTALS**

1. Review of shop drawings and other submittals by the Structural Engineer does not relieve the Contractor of the responsibility to review and check shop drawings before submitting to the Structural Engineer. The Contractor remains solely responsible for errors and omissions associated with the preparation of shop drawings as they pertain to member sizes, details, and dimensions specified in the Contract Documents. All shop drawings must be stamped by the Contractor prior to

2. Shop Drawings: The Contractor shall submit for Structural Engineer review shop drawings for the following items. Items marked (\*) shall have shop drawings sealed by a Professional Engineer registered in the state in which the project is located. Items marked (#) shall be submitted for Structural Engineer's record only.

A. Structural Steel (\*) B. Steel Deck

C. Concrete Mix Designs D. CMU Reinforcing Steel

#### **FOUNDATIONS**

1. All soil preparation shall be in accordance with the recommendations given in the referenced Geotechnical Report.

2. Strip area of all gravel, surface vegetation, topsoil, and any debris. Remove all existing structures, foundations, and below grade site features. After stripping and making required cuts, exposed subgrade should be compacted. Overexcavate and stabilize any soft or unstable areas discovered by proof rolling.

3. The Geotechnical Engineer shall be present during proof rolling and shall inspect the subgrade prior to any fill operations. All compacted fill shall be continuously inspected by the Owner's selected independent testing laboratory.

4. If the soil at the bearing elevations shown is of questionable bearing value, the

Structural Engineer of Record or Architect shall be notified immediately. 5. All fill material under structure shall comply with requirements stated in

Geotechnical Report unless specifically noted otherwise. 6. After footing excavations are completed and before placing concrete, the excavated greas shall be inspected and approved by the Owner's selected independent testing

#### **CAST-IN-PLACE CONCRETE**

Arrangement and bending of reinforcing steel shall be in accordance with ACI Detailing Manual, latest edition.

Reinforcing steel shall be new and all bars shall be deformed.

3. Reinforcing Bars: ASTM A615 Grade 60 and ASTM A706 Grade 60 for weldable

4. Unless noted otherwise, bar laps shall be Class B tension laps and shall be lapped with minimum lengths as shown in Typical Details, where splices are required in reinforcing. Shorter laps may be acceptable if specific locations of alternate laps are shown on the reinforcement placement drawings and calculations are submitted

project is located, justifying the alternate lap lengths. Provide suitable wire spacers, chairs, ties, etc. for supporting reinforcing steel in the proper position while placing concrete. Do not "wet stick" dowels.

by a Registered Professional Engineer, licensed to practice in the state in which the

6. All Welded Wire Fabric (WWF): ASTM A185. Minimum lap and embedment to be the greater of one cross wire spacing plus 2" or 6". 7. Minimum concrete protective covering for reinforcement at surfaces not exposed

directly to the ground shall be 34" for slabs, joists, and walls and 11/6" for beam stirrups, column ties, or spirals unless noted otherwise. Before placing concrete, clean reinforcement for foreign particles or coatings. Place,

support, and secure reinforcement against displacement. For cast-in-place concrete, provide cover as shown below, unless noted otherwise on drawings, and as specified in ACI 318, building code requirements for structural concrete.

Application / condition Cast against and permanently exposed to earth

No.5 bar, W31 or D31 wire, and smaller Not exposed to weather or in contact with ground:

Exposed to earth or weather:

No.6 through No. 19 bars

Slab, walls, joints: No. 14 and No. 18 bars No. 11 bar and smaller Beam, columns: Primary reinforcements, ties, stirrups, spirals Shells, folded plate members: No.6 bar and larger

No.5 bar, W31 or D31 wire, and smaller 9. Locations and sizes of openings, sleeves, etc. required for other trades must be verified by these trades before placing concrete.

10. All slots, sleeves, trenches, and other embedded items shall be set and secured against movement before the concrete is placed. See Architectural, Electrical, Mechanical, Plumbing, and Vendor drawings for sizes and locations. Coordinate locations, spacings, and sizes with the Structural Engineer of Record prior to pouring concrete.

11. Conduits and pipes embedded in concrete slabs may be no larger than 1/3 of the slab thickness (based on the maximum outside diameter) and shall have a center-to-center spacing no less than three (3) conduit diameters. Regardless of diameter, the minimum clear spacing between conduits or reinforcing shall be one

12. No more than four conduits may be placed adjacent to each other without prior approval in writing from the Structural Engineer of Record.

13. No aluminum conduits, devices, or fixtures may be embedded into the concrete so that the aluminum is in direct contact with the concrete.

14. Corner bars shall be provided for all horizontal reinforcing bars at the intersections and corners of all strip footings, beams, and walls unless noted otherwise. Corner bars shall be of the same size and grade as the horizontal reinforcing they connect. Minimum lap lengths shall be as indicated with the Typical Details unless

15. For slabs-on-arade, provide saw-cut control joints at intervals of 15'-0" oc max across the width of the slab. Refer to the Structural Drawings for typical control joint layout and details.

16. Saw-cuts shall be made as soon as the concrete can support the saw without damaging the surface (eight (8) hours max from the start of the concrete pour). 17. Reinforcing steel shown in sections and detail are a schematic indication that

reinforcing exists. See schedules, section notes and General Notes for actual 18. Detail reinforcement in accordance with ACI 315. Reinforcement shall not be welded

unless noted or approved by the Structural Engineer. 19. Pedestal, Column and Wall Vertical Reinforcing: Dowel to foundation with hooked bars of same size and spacing as vertical reinforcing, terminate top of reinforcement with hooked bar of same size and spacing as vertical reinforcing.

20. Beam Horizontal Reinforcing: Terminate each end with standard. 21. Closed Tie and Stirrup Reinforcina: Terminate each end with standard hook. 22. Concrete design and detailing shall conform to the requirements of ACI 318 and

ACI 301, latest editions. 23. Contractor shall provide reinforcing shop drawings which adequately depict the reinforcing bar sizes and placement. Written description of reinforcement without

adequate sections, elevations and details is not acceptable. 24. Submit written reports of each proposed mix design for each class of concrete with

concrete cylinder test results at least 15 days prior to start of work.

25. All concrete that will be exposed to the weather shall have air entrainment. 26. All structural concrete exposed to view to be smooth formed finished with 34" chamfers at all exposed edges.

				Į.	\CI la	p spl	ice le	ength	(inch	ies)				
	D 4 D	F	'C = 3	000 PS	SI	Ī	$-^{\circ}C = 3$	500 PS	SI	F'C = 4000 PSI				
- 4	BAR SIZE	113	BARS	OTHER	BARS	TOP	BARS	OTHER BARS		TOP BARS		OTHER BARS		
	DIZE	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	
	#3	28	42	22	32	26	39	21	30	24	36	19	28	
	#4	37	56	29	43	35	52	27	40	32	48	25	37	
	#5	47	70	36	54	44	65	34	51	40	60	31	47	
	#6	56	84	43	64	52	78	40	60	48	72	37	56	
	#7	81	122	63	19	76	114	59	88	70	106	54	81	
	#8	93	139	72	107	87	130	67	100	80	121	62	93	
	#9	105	157	81	121	89	147	76	113	91	136	70	105	
	#10	118	177	91	136	110	165	85	127	102	153	79	118	
	#11	131	196	101	151	122	183	94	141	113	170	87	131	

											***************************************			
Bessesses	n 4 n	F	'C = 4	500 PS	SI	F	C = 5	000 PS	SI	F'C = 6000 PSI				
	BAR SIZE:	TOP	BARS	OTHER BARS		TOP	TOP BARS		OTHER BARS		TOP BARS		BARS	
dasasas	SIZE.	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	
Sections	#3	23	35	18	27	22	33	17	25	20	30	16	23	
OKOKONO	#4	31	46	24	35	29	43	22	33	26	40	20	31	
ONCONCOR	#5	38	57	30	45	36	54	28	42	33	49	25	38	
SONONOSO	#6	46	69	35	53	43	64	33	50	40	59	31	46	
REPAREMENT	#7	67	100	52	77	63	94	49	73	58	86	44	66	
000000000000000000000000000000000000000	#8	76	115	59	88	72	108	55	83	66	98	51	76	
destate	#9	86	129	67	100	81	122	63	94	74	111	57	85	
000000000	#10	97	145	75	112	91	137	70	105	83	125	64	96	
2000000	#11	107	161	83	124	101	152	78	117	93	139	71	107	

#### CAST-IN-PLACE CONCRETE CONT.

11/2"

1. Tabulated values are based on grade 60 bars and normal weight concrete. 2. Cases 1 and 2, which depend on the type of structural element, concrete cover, and the center-to-center spacing of the bars, are defined as:

Case 1: Cover at lease 1.0 db and C.C. spacing of at least 2.0 db. Case 2: Cover less than 1.0 db and C.C. spacing less than 2.0 db. All others:

Case 1: Cover at lease 1.0 db and C.C. spacing of at least 3.0 db. Case 2: Cover less than 1.0 db and C.C. spacing less than 3.0 db. 3. Top bars are horizontal beam and slab bars with more than 12" of concrete below

4. For lightweight aggregate concrete, multiply the tabulated values by 1.3.

5. For epoxy-coated bars, multiply the tabulated values by one of the following Concrete cover and spacing Top bars

Cover < 3.0 DB or C.C. spacing < 7.0 DB 1.7/1.3 = 1.31Cover > 3.0 DB or C.C. spacing > 7.0 DB

Bar development length = lap spliced length/ 1.3.

Lap all wire mesh cross wires one cross wire spacing plus 2", typical.

#### **CONCRETE MASONRY**

1. For product material specifications, reference the structural notes, material & component design criteria and the project specification.

Submit documentation demonstrating compliance with the specified strength of masonry, F'm, in accordance with the (prism test method or the unit strength method) as outlined in the TMS 402/602-16, Building Code Requirements for Masonry Structures, and the applicable building code. Submit product and test data as specified for level 1 quality assurance. This shall include verification of F'm both prior to construction and during as well as verification of materials and proportions for concrete masonry units, mortar and grout construction for every 5000 square feet of masonry placed.

Submit reinforcing shop drawings showing placement of all reinforcement and

embedments and the reinforcing fabrication dimensions and details. 4. Place concrete units such that the vertical cells to be grouted are aligned and provided unobstructed openings for grout placement. Face shells of bed joints shall be fully mortared, webs shall be fully mortared in all courses of piers, columns and pilasters, in the starting course on foundations, when necessary to confine grout or loose-fill insulation and when otherwise noted. Head joints are to be mortared a minimum distance from each face equal to the face shell thickness of the unit. Unless otherwise required, solidly fill collar joints less than 3/4" wide with mortar as the work progresses.

Place reinforcement and embedments in accordance with the drawings. Maintain a clear distance between the reinforcing bars and any face of masonry unit or formed surface of not less than 1/2" unless noted otherwise. Where reinforcing bar are spliced, provide a minimum lap as shown in chart below or a mechanical splice that provides 125% of the bar capacity. Tolerances for placement of reinforcing bars shall be +/-1/2 inch perpendicular to the face of the masonry unit and within 2-inches along the length of the wall unless note otherwise. Reinforcement shall be tied in place or otherwise supported to prevent displacement during grouting.

Place grout within 1 1/2 hours from introducing water in the mixture and prior to initial set. Grout pour height shall conform to the requirements as outlined in TMS 402/602-16, Specification for Masonry Structures, for grout type and grout space dimensions. In no case shall grout lift exceed 4 feet in height. Consolidate pours by mechanical vibration and reconsolidate by mechanical vibration after initial water loss and settlement has occurred.

Provide horizontal joint reinforcement in every bed joint (8-inch on center) for stack bond and every other joint (16-inch on center) for running bond masonry placement. Place such that longitudinal wires overlap 6-inches and are embedded in mortar with a minimum cover of 5/8". As a minimum, control joints in masonry walls shall be provided within 4-feet of

corners, at each change of wall height or thickness and at a maximum spacing of 25-feet unless noted otherwise on drawings. 9. Structural masonry shall be reinforced a specified on the drawings. All cells containing reinforcing shall be fully grouted. Provide dowels from the foundation to

match the vertical reinforcing. 10. Provide a bond beam with 2-#5 continuous bars where shown on the drawings and, at a minimum, at the tops of all masonry walls and at all slab or beam bearing locations where the wall is not already grouted solid below the bearing. Extend the

bond beam a minimum of 2-feet beyond the end of the bearing condition. 11. Provide jamb reinforcing for every masonry opening shown on drawings, as a minimum, for steel lintel beams provide 1-#5 vertical in first cell adjacent to the begring location form the top of footing for the full height of the wall. For masonry lintels, provide 1-#5 vertical in the first cell adjacent to the opening, from the top of the footing for the full height of the wall.

12. At beam bearing locations, reinforce each cell below the bearing plate with typical

vertical reinforcing to the top of the footing unless noted otherwise.

APPROVED STRUCTURAL ONLY ICC 500 REVIEW

Jacques A. Pierini, PE

2024.02.12 09:37:17 -06'00

13. No High lift Grouting.

#### CONCRETE MASONRY CONT.

13. At masonry control joints, reinforce the first cell either side of the joint with the typical wall reinforcing specified on the drawings. Also, at ends of walls, reinforce the last cell with the typical wall reinforcing specified. Horizontal joint reinforcing shall be discontinuous at control joints. Bond beam reinforcing shall be discontinuous at control joints. Bond beam reinforcing shall be discontinuous across

14. All cells containing reinforcing bars shall be fully grouted

15. All expansion bolts placed in masonry are to be Hilli Kwik Bolt III or approved equal are to be installed in grouted cells in accordance with the manufacturer's recommendations and inspected by the special inspector. All post-installed anchors shall be installed in the presence of the special inspector.

16. All post installed dowels placed in masonry are to be set in Hilti HIT-HY 70 adhesive or approved equal are to bed installed in accordance with the manufacturer's recommendations and inspected by the special inspector. All post-installed anchors shall be installed in the presence of the special inspector. 17. All mechanical anchors shall be installed in accordance with the product

manufacturer's recommendations and the installation shall be inspected by the special inspector. Individual products shall be submitted to the architect/engineer for approval prior to installation. All post-installed anchors shall be installed in the presence of the special inspector. 18. When the ambient temperature falls below 40F or the temperature of the masonry

units is below 40F, comply with the provisions of TMS 602, Section 1.8C, Specification for Masonry Structures, for cold weather construction.

19. When the ambient temperature exceeds 90F, comply with the provisions of TMS 602, Section 1.8D, Specification for Masonry Structures, for hot weather construction.

20. Brick Ties: (for stud backup)

21. Brick Ties: (for masonry backup)

There shall be a minimum of one brick tie for every 2.67 sq. ft. of wall area. These shall be spaced at a maximum of 18—inches on center. Ties shall be of a minimum 9 GA. corrosion resistant wire and shall be of an adjustable type such as DUR-O-WALL adjustable D/A 213 or equal. Corrugated galvanized sheet ties are not acceptable. All ties must be attached through the sheathing to the studs per manufacturer's recommendations.

There shall be a minimum of one brick tie for every 2.67 sq. ft. of wall area. These shall be spaced at a maximum of 18-inches vertical. Ties shall be a minimum of 3/16" diameter corrosion resistant wire. Corrugated galvanized sheet ties are not acceptable.

CMU Lap Splice Lengths Reinforcement Off-Centered 2 Bar Per Core

MINIMUM LAP SPLICE LENGTH (INCHE									
BAR SIZE	8" CMU	10" CMU	12" CMU	16" CMU					
#3	19	19	19	19					
#4	34	34	34	34					
#5	45	45	45	45					
#6	54	54	54	54					
<b>#</b> 7	63	63	63	63					
#8	N/P	72	72	72					
#9	N/P	N/P	82	82					

N/P= Not Permitted

P. E., INC.

**COMPOSITE BEAMS** Studs shall be end welded through the metal floor deck along centerline of beams.

2. Minimum distance from the base of the rib to the base of the stud shall be  $\frac{1}{2}$ " in

ribbed, formed steel deck unless noted otherwise. 3. The minimum center—to—center spacing of stud connectors shall be six times the stud diameter along the longitudinal axis of the beam and four times the stud diameter transverse to the longitudinal axis of the beam. In formed steel decks oriented perpendicular to the longitudinal axis of the beam, the minimum

center-to-center spacing shall be four times the stud diameter in any direction. 4. Studs may not be installed on the flanges of beams that are less than 0.4 times the stud diameter unless they are directly over the web. Should deck layout and stud spacing cause a conflict with this requirement, contact the Structural Engineer of Record for a resolution prior to installation of the shear studs.



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Q

HUGHES

ARCHITECTURAL

DESIGNS

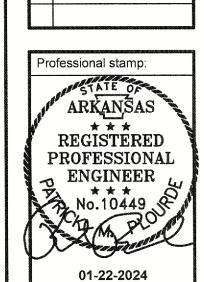
1202 N STATE LINE AVE

**SUITE #102** 

TEXARKANA, AR 71854

501-627-2448

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General Notes

Sheet Title:

01/22/2024 Sheet Number:

ENGINEERING **S0.0** 2509 7TH AVENUE SOUTH BIRMINGHAM, AL 35233 205.637.3115

IVE OAK

#### STEEL DECK

- 1. All deck shall be furnished and installed per the requirements of the Steel Deck Institute (SDI). The Contractor shall follow all recommended practices in the SDI
- 2. Steel Deck, galvanized steel deck unless noted otherwise on the drawings. 3. Where steel deck is part of a rated assembly, supply all deck and components, which comply with requirements of Underwriters Laboratories (UL) for each type of assembly specified, reference plans and specifications. Where deck is to receive
- 4. The deck shall be fastened to supporting steel as shown on the drawing.

or elements which will impair bond.

5. Alternate fastening options using mechanical fasteners, powder—actuated, or screws may be considered, if submitted by the Contractor. Alternate systems and documentation certifying that the proposed system provides at least the same uplift and diaphragm shear resistance as the system and pattern specified must be submitted to the Engineer.

spray fireproofing, finishes shall be compatible with fireproofing material and comply with UL assembly requirements. Before the fireproofing material is applied, the

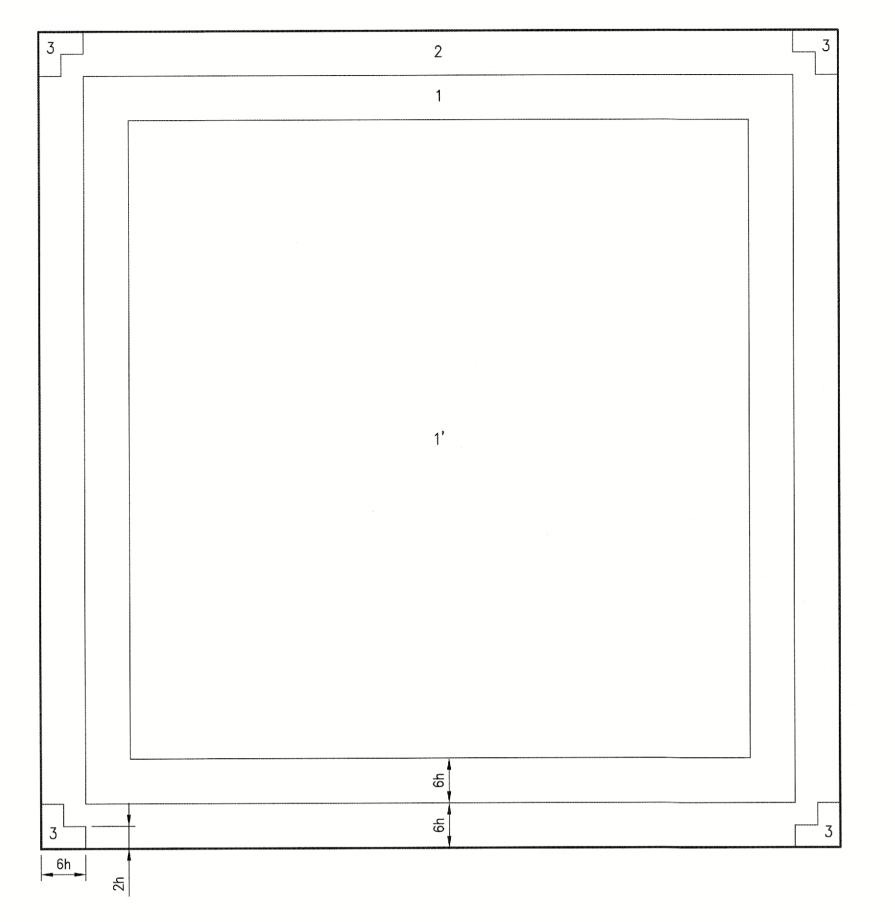
deck surface to be treated shall be free of rust, scale, oil, or other contaminants

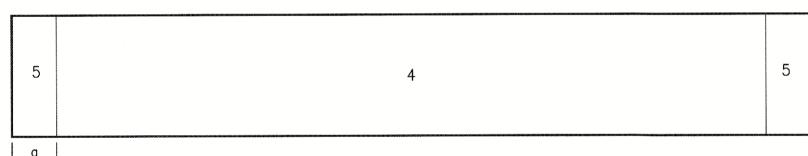
- 6. Provide a 2" minimum bearing and a 4" lap at the splice point of all pieces of
- 7. Where possible, all decking shall be 3—span continuous, minimum. Decking specified on this project assumes a 3-span condition unless noted otherwise. The Contractor shall provide heavier gauge deck, as required, for one or two span conditions to meet equivalent load capacity of the specified deck under a 3-span
- 8. Steel roof deck shall not be used to support load from plumbing HVAC ducts, light fixtures, architectural elements, or equipment of any kind unless specifically noted.
- 9. Hanging any loads directly from steel roof deck shall be avoided whenever possible. Nevertheless, normal suspended acoustical ceilings with a total weight per wire not exceeding 50 lbs may be hung from the steel roof deck in cases where hanging loads from the deck cannot be avoided. If possible, the attachment should be staggered to further distribute the load. If load is directly supported by the deck, tabs or other build—in devices should be provided for hanging referenced loads.
- 10. Where deck ribs are cut at penetrations, provide deck support angles or deck stiffeners as required.
- 11. Supply 8" wide, minimum, plates matching deck gauge or heavier for all ridge,
- valley, and change in deck direction locations, which do not fall over a supporting member at least 4" wide.

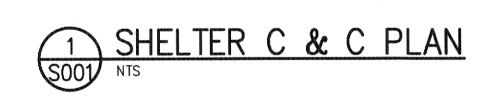
-					****	
	ABBRI	EV	IATIONS			
	AB		Anchor bolt(s)	LT WT		Lightweight
	ADDL		Additional	MAS		Masonry
			Above finish floor	MATL		Material
			Alternate	MAX	_	Maximum
			Architect, Architectural	MECH	_	Mechanical
	υ,		Back of	MFR		Manufacturer
			Building(s)	MIN	_	Minimum
			Block(s)	MISC		Miscellaneous
		_	Beam(s)	MO	_	Masonry opening
			Bottom of footing elevation	MPH		Miles per hour Metal
	50.		Bottom Bridging	MTL N		North
	20110		Bearing	NIC		Not-in-contract
			Brick(s)	NOM		Nominal
	ma 1987 1 4 5 5		Between	NS		Near side
			Built-up roof	NSG		Non-shrink grout
	CJ		Control joint, Contraction	NTS		Not-to-scale
			joint, Construction joint	NUM		Number
			Centerline	OC		
			Ceiling	OD	_	Outside diameter, Outside
		_	Clear	ΔП		dimension
		_	Concrete masonry unit(s)	OH OPNG		Opposite hand, Overhead
	COL	****	Column(s) Concrete	OPP		Opening(s) Opposite
			Connection(s)	PAR		Parallel
			Construction	PC		Precast, Precast concrete
		_	Continue, Continuous	PDF		Power driven fastener
	CTRD	-	Centered	PL		Plate, Property line
	DBA		Dowel bar anchor, Deformed	PLF		Pounds per linear foot
			bar anchor	PLYWD	****	Plywood
	DBL	_	Double	PNL		Panel
	DIA	_	Diameter	PROJ	_	Project, Projection
		-	Diagonal	PSF	_	, ,
	DIM		Dimension	PSI		Pounds per square inch
	DWG	****	Drawing	PTD		Painted
		_	Drawings Drawel(a)	PVMT QTY		Pavement Quantity
	DWL	_	Dowel(s)	R		Radius
	E/ EA		Edge of, End of Each	RAD	_	Radius
	EB	_	Expansion bolt(s)	RD		Roof drain
	EBC	••••	Extended bottom chord	REBAR		Reinforcing bar
	EF		Each face	REF	_	Reference
	EIFS	_	Exterior insulated finish system	REINF		Reinforce, Reinforcing,
	EJ		Expansion joint			Reinforcement
	EL	*****	Elevation	REQD	••••	Required
	ELEC	_	Electrical	REV		Revise, Revision
	ELEV	-	Elevator	RH	_	Right hand
	ENG		Engineer(ed)	RO		Rough opening
	EQ	****	Equal	S		South
	EXP		Expansion	SC		Slotted connection, Slip
	EQMT EW	-	Equipment Each way	SCH		connection Schedule
	EWIJ		Engineered wood I—joist	SECT		Section
	EXST	••••	Existing	SF		Square feet
	EXT		Exterior	SHT		Sheet
	F/		Face of	SHTG	_	Sheathing
	FD		Floor drain	SIM		Similar
	FDN		Foundation	SJ		Saw joint
	FIN FLR	-	Finish floor elevation	SK		Shear key
	FS	_	Far side	SP	_	Space(s), Southern Pine
	FT		Foot, Feet	SPECS	******	Specifications
	FTG	-	Footing	SQ		Square
	GA GALV	_	Gage, Gauge Galvanized	SS SSL	_	Stainless steel Short slotted hole
	GLB		Glue-laminated beam	STD		
	GR BM		Grade beam	STF		Stiffener
	GR		Grade	STL		Steel
	GYP BD	_	Gypsum board	STR	_	Straight
	HD		Headed, Heavy duty	STRUCT	-	Structural
	HDR		Header	SYM	*****	Symmetrical
	HI	~~~	High	T&B	*****	
	HK	***************************************	Hook	T&G	_	Tongue & groove
	HORIZ HP	_	Horizontal	THK THRD	_	Thick, Thickness Threaded
	HR		High point Handrail	THRU		
	HS		Headed stud	TM		Top—of—masonry elevation
	HSS		Hollow steel section	TOB		
	HVAC	_	Heating, ventilation, & air	TOC	_	Top-of-concrete elevation
			conditioning	TOF	_	Top-of-footing elevation
	ID	*****	Inside diameter	TOS	****	,
	IN		Inch, Inches	TP		
	INSUL		Insulate, Insulation	TWD	*****	
	INT	_	Interior	TYP	_	71
	INV JBE	****	Invert	UNO VERT		Unless noted otherwise Vertical
	JST		Joist bearing elevation Joist(s)	W/	****	With
	JT		Joint	w/o		Without
	K	*****	Kip(s) (1,000 pounds)	W/O		
	LF		Linear foot, Linear feet	WCJ	_	CMU wall control joint
	LG		Light Gauge	WD	****	Wood
	LLH		Long leg horizontal	WP		Working point
	LLO		Long leg outstanding	WPR		Waterproofing
	LLV	_	Long leg vertical	WS	-	Waterstop

LO — Low LP — Low point

LT - Left, Light







	ULT. ROOF WIND PRESSURE (PSF)										
	ZONE	1'	ZON	E 1	ZONE	2	ZONE 3				
AREA	+		+	-	+	_	+	_			
10SF	115.6	-197.2	115.6	-306.0	115.6	-387.6	115.6	-510.0			
20SF	108.8	-197.2	108.8	-292.4	108.8	-367.2	108.8	-469.2			
50SF	103.4	-197.2	103.4	-265.2	103.4	-340.0	103.4	-414.8			
100SF	102.0	-197.2	102.0	-251.6	102.0	-312.8	102.0	-360.4			
200SF	102.0	-176.8	102.0	-238.0	102.0	-292.4	102.0	-319.6			
500SF	102.0	-149.6	102.0	-210.8	102.0	-265.2	102.0	-265.2			
1000SF	gament .					_		_			

ULT. OVERHANG WIND PRESSURE (PSF)									
AREA	ZONE 1'	ZONE 1	ZONE 2	ZONE 3					
TOP &	BOTTOM	SURFACE	S COMBI	NED					
10SF	-306.0	-306.0	-387.6	-510.0					
20SF	-302.0	-302.0	-360.4	-462.4					
50SF	-295.8	-295.8	-319.6	-387.6					
100SF	-292.4	-292.4	-292.4	-340.0					
200SF	-251.6	-251.6	-258.4	-292.4					
500SF	-210.8	-210.8	-224.4	-224.4					

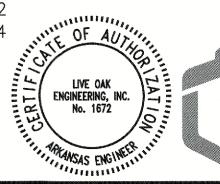
a= 5.6ft 0.2h= 3.33ft 0.6h= 10ft

ULT. WAL	ULT. PARAPET WIND PRESSURE (PSF)											
	ZONE 4		ZONE 5		ZONE 4&2e		ZONE 4&2n		ZONE 4&3r		ZONE	5 <b>&amp;</b> 3e
WIND AREA	WIN	LEE	WIN	LEE	WIN	LEE	WIN	LEE	WIN	LEE	WIN	LEE
10SF	189.8	-202.0	189.8	-238.7	434.6	-324.4	557.0	-324.4	630.4	-324.4	557.0	-361.1
20SF	183.6	-195.9	183.6	-225.3	428.4	-310.9	498.2	-310.9	557.0	-310.9	498.2	-341.5
50SF	175.1	-187.3	175.1	-208.1	314.6	-293.8	419.9	-293.8	461.5	-293.8	419.9	-315.8
100SF	167.7	-180.0	167.7	-195.9	228.9	-281.6	359.9	-281.6	388.0	-281.6	359.9	-296.2
200SF	161.6	-173.8	161.6	-182.4	222.8	-268.1	301.1	-268.1	381.9	-268.1	301.1	-276.7
500SF	153.0	-165.3	153.0	-165.3	214.2	-250.9	275.4	-250.9	275.4	-250.9	275.4	-251.0

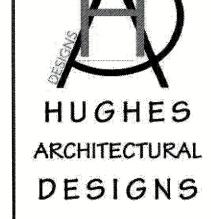
FOR WALLS: WIN IS WINDWARD FACE

LEE IS LEEWARD FACE

FOR PARAPETS: WIN IS CASE A = p1+p2LEE IS CASE B = p3+p4

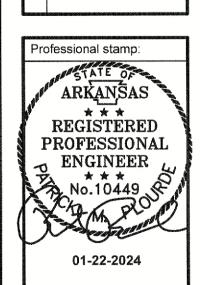






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ademy for: cility for S S New Storm Shelter **Arkansas Chr** Bryant, Arkansas



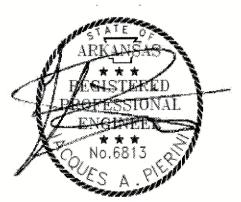
General Notes Continued

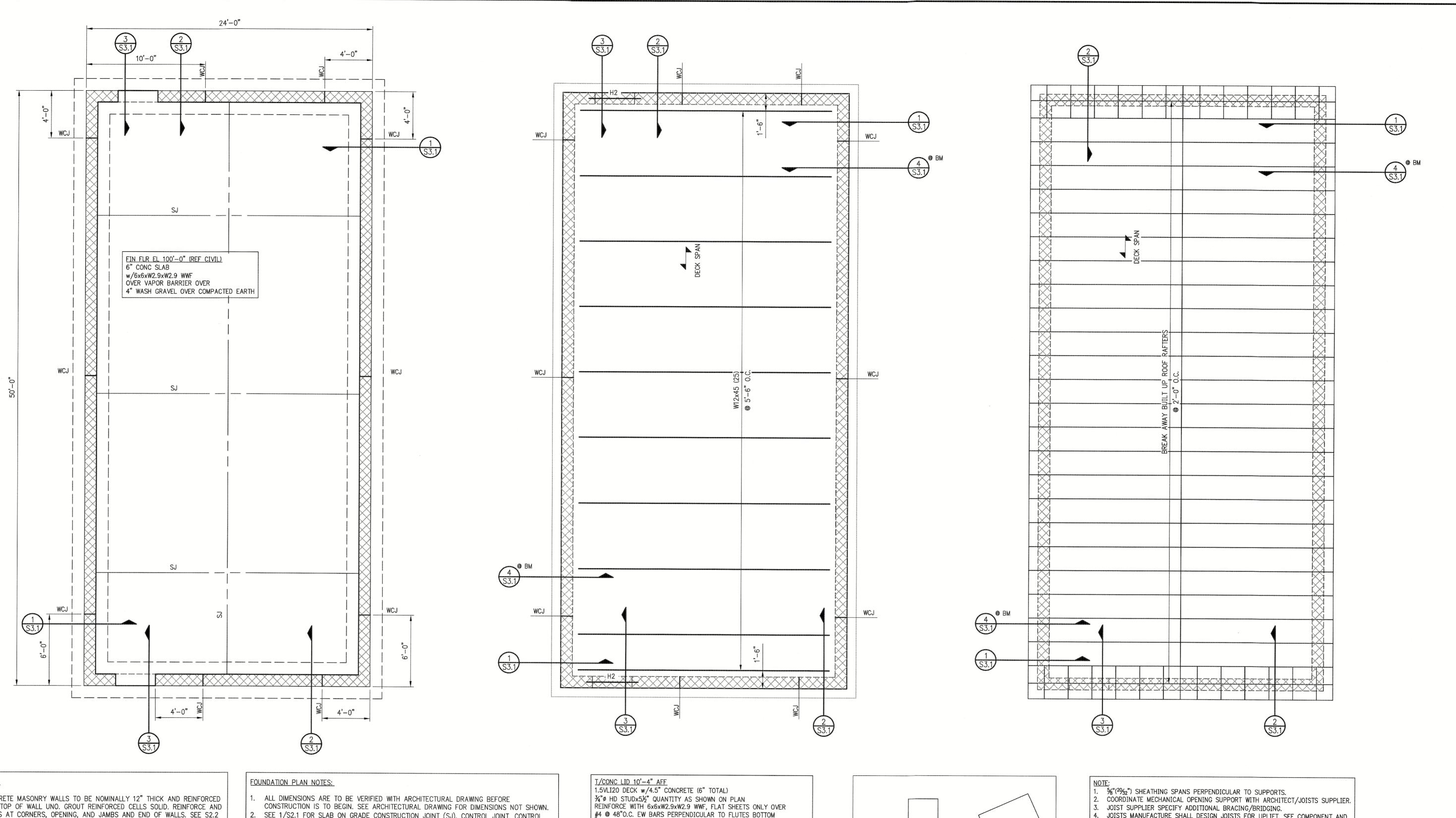
Sheet Number: **S0.1** 

APPROVED STRUCTURAL ONLY ICC 500 REVIEW.

Welded wire fabric

2024.02.12 09:38:57 -06'00





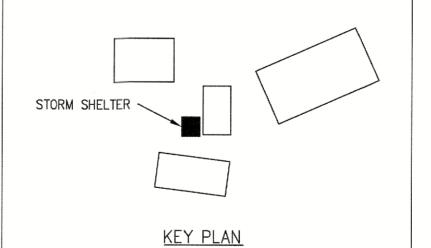
#### MASONRY WALL NOTES:

- STRUCTURAL CONCRETE MASONRY WALLS TO BE NOMINALLY 12" THICK AND REINFORCED FROM FOOTING TO TOP OF WALL UNO. GROUT REINFORCED CELLS SOLID. REINFORCE AND GROUT SOLID CELLS AT CORNERS, OPENING, AND JAMBS AND END OF WALLS. SEE S2.2 FOR TYPICAL DETAILS.
- DOWEL SPACING TO MATCH VERTICAL REINFORCEMENTS.
- MASONRY CONTROL JOINT (WCJ) SHALL BE SPACED AT 24' O.C. REINFORCEMENTS DISCONTINUOUS ACROSS CONTROL JOINTS.
- 5. FOR 12" WALL 2-#5 @ 16" O.C.
- 6. FOR 12" WALL CORNERS USE 2-#5 THREE CELLS.
- FOR 12" WALL CONTROL JOINT USE 2-#5 ONE CELL EA SIDE.
- PROVIDE CONT BOND BEAM AT 4'-0" VERTICAL ALL MASONRY WALL, BOND BEAMS TO BE REINFORCED WITH 2-#5 CONT.
- PROVIDE STANDARD HOOK AT THE TOP OF ALL VERTICAL REINFORCEMENT BARS. 10. GROUT SOLID ALL MASONRY BELOW GRADE.
- SEE 1/S2.1 FOR SLAB ON GRADE CONSTRUCTION JOINT (SJ), CONTROL JOINT, CONTROL JOINT PATTERN TO BE MAXIMUM 15'X15'.
- . PILASTER OR PIERS SHOWN WITHIN CMU WALLS ARE TO EXTEND FROM BEAM/GIRDER BEARING TO TOP OF FTG OR FOUNDATION WALL PILASTER.
- GENERAL CONTRACTOR TO COORDINATE WITH (MEP) MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS FOR ANY AND ALL LOCATIONS OF SLEEVED OPENINGS IN

FOUNDATION WALLS.

- WHERE SLAB IS SAWCUT FOR INSTALLATION OF NEW PLUMBING/ELECTRICAL WORK PATCH PER DETAIL 4/S2.1.
- DO NOT BEGIN DEMOLITION OR EXCAVATION WORK UNTIL EXISTING STRUCTURE HAS BEEN ADEQUATELY SHORED TO SUPPORT EVERY LEVEL. SHORING SHALL REMAIN IN PLACE UNTIL ALL NEW STRUCTURAL ELEMENTS SHOWN HAVE BEEN INSTALLED. REFER TO "EXISTING CONSTRUCTION" NOTES ON SO.O FOR ADDITIONAL REQUIREMENTS.

DECK FASTENING SHALL BE AS FOLLOWS: ATTACH TO SUPPORTING MEMBER USING HILTI X-ENP19 IN A 36/7 PATTERN. SIDE LAP SEAMS TO BE FASTENED WITH BUTTON PUNCHES AT 12" O.C. PERIMETER SUPPORTS TO BE FASTENED TO STRUCTURE WITH HILTI X-ENP19 @ 12"O.C. ALONG THE FULL LENGTH OF PANEL AND AROUND PERIMETER OF OPENINGS UNLESS NOTED OTHERWISE.



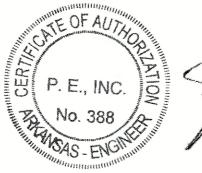
4. JOISTS MANUFACTURE SHALL DESIGN JOISTS FOR UPLIFT, SEE COMPONENT AND CLADDING S001.

DO NOT BEGIN DEMOLITION OR EXCAVATION WORK UNTIL EXISTING STRUCTURE HAS BEEN ADEQUATELY SHORED TO SUPPORT EVERY LEVEL. SHORING SHALL REMAIN IN PLACE UNTIL ALL NEW STRUCTURAL ELEMENTS SHOWN HAVE BEEN INSTALLED. REFER TO "EXISTING CONSTRUCTION" NOTES ON SO.O FOR ADDITIONAL REQUIREMENTS.



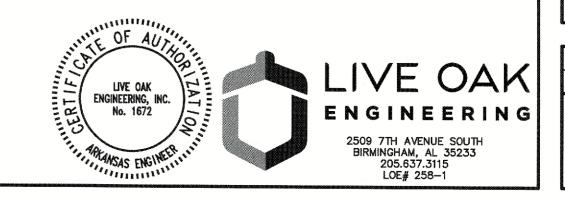








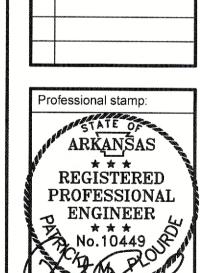




HUGHES ARCHITECTURAL DESIGNS 1202 N STATE LINE AVE

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ademy Shelter ss Chr New Storm Arkansa Bryant, Arka

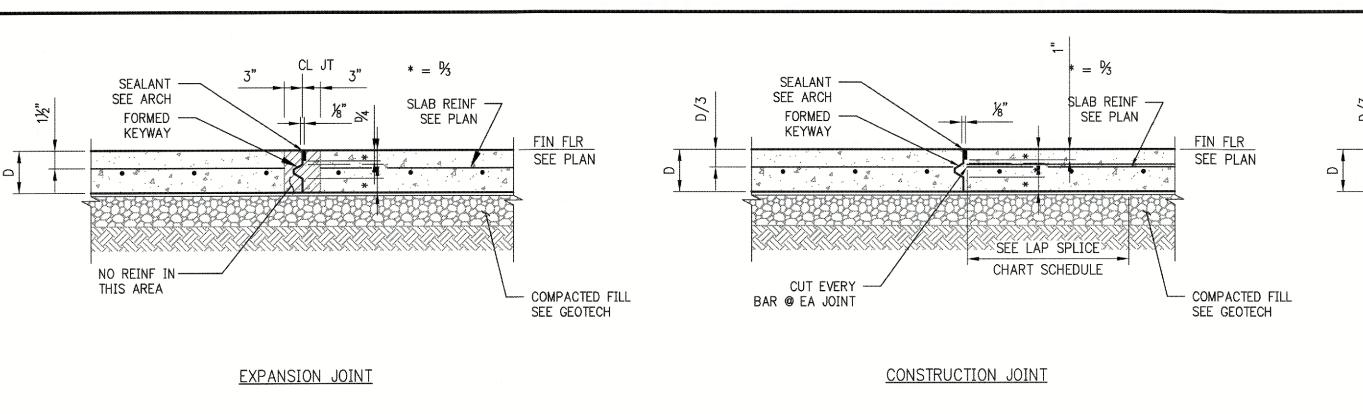


Sheet Title: Foundation & Framing Plans

01-22-2024

01/22/2024

Sheet Number: **S1.1** 



SEALANT — SEE ARCH SLAB REINF — SEE PLAN - COMPACTED FILL SEE GEOTECH

. SEE FOUNDATION PLAN(S) FOR SLAB THICKNESS AND REINF. CUT EVERY BAR @ EA JOINT. 3. THE SAWCUTTING SHALL BE DONE WITHIN 8 HOURS OF PLACEMENT OR AS SOON AS THE CONCRETE HAS SUFFICIENTLY CURED TO PERMIT CUTTING WITHOUT CHIPPING, SPALLING OR TEARING.

SAWCUT CONTROL JOINT

SPLICE SPLICE SPLICE SPLICE CORNER BARS OF CORNER BARS OF SAME SIZE & SPACING SAME SIZE & SPACING AS HORIZONTAL BARS AS HORIZONTAL BARS

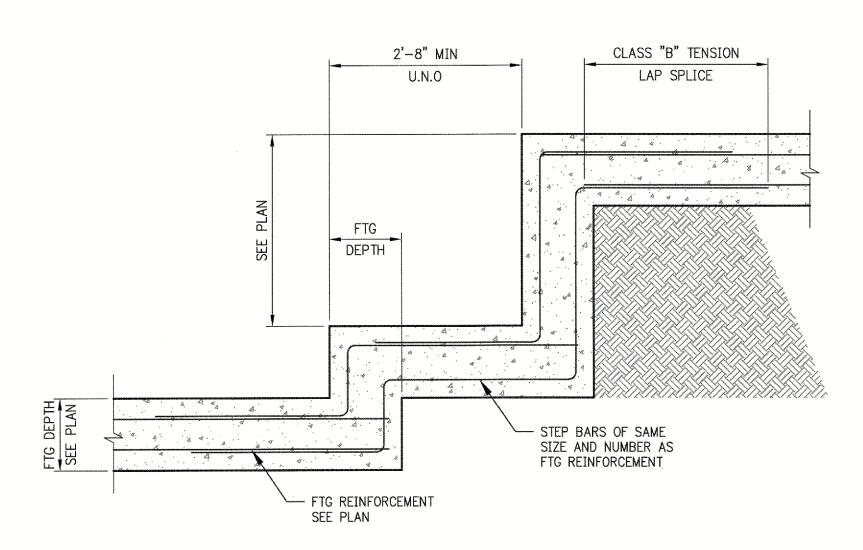
SINGLE LAYER REINFORCEMENT

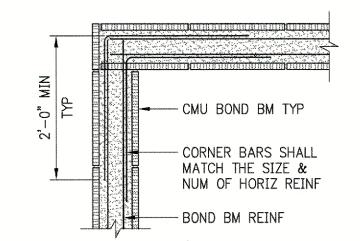
DOUBLE LAYER REINFORCEMENT

NOTE: ALL LAP SPLICES CLASS "B" TENSION

2 DETAIL - REINFORCING AT S2.1 CORNERS & INTERSECTIONS

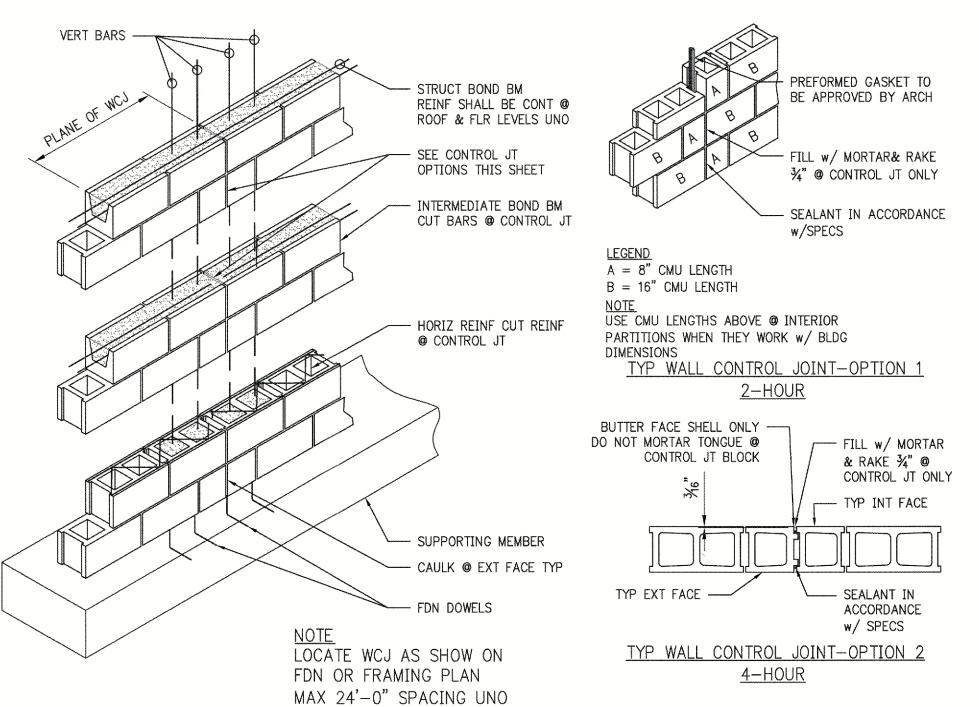
DETAIL-TYP SLAB JOINTS

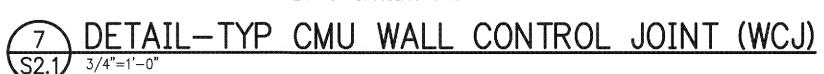


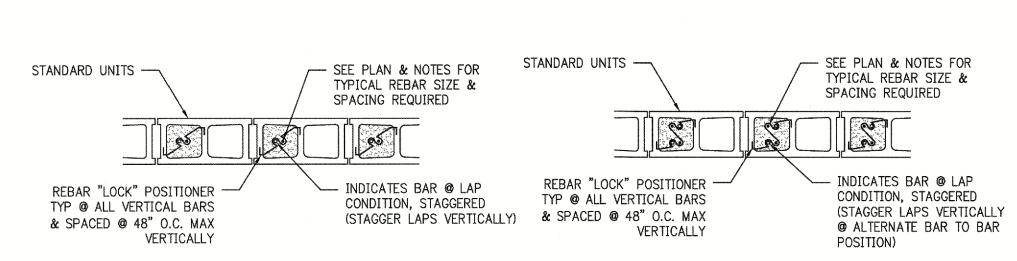


## 3 DETAIL—STEPPED FOOTING

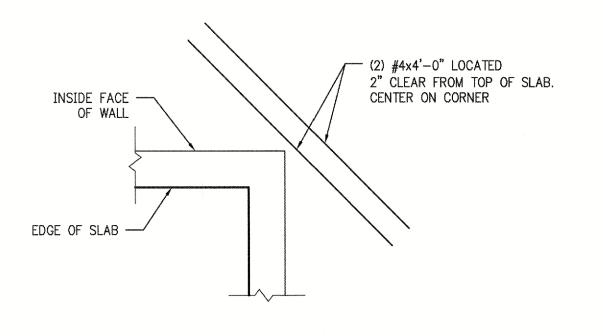
# DETAIL-TYP BOND BM CORNER REINF

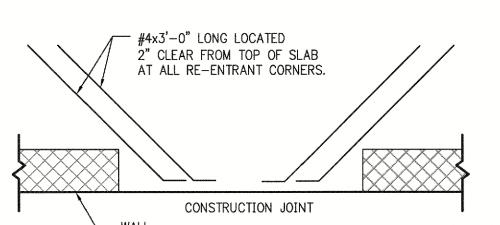




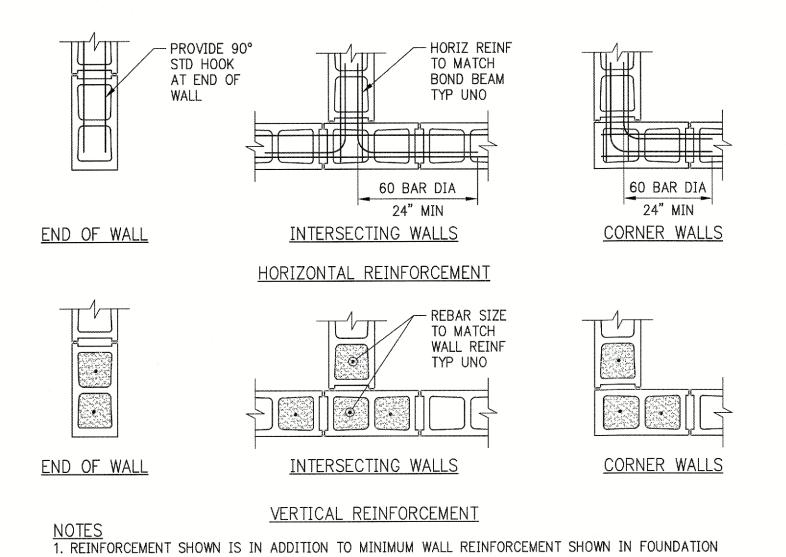


SINGLE BAR POSITIONER DOUBLE BAR POSITIONER





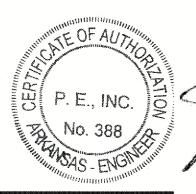




2. REINFORCING TO BE CONTINUOUS FROM FOOTING TO TOP OF WALL. FILL CORES SOLID WITH GROUT AS NOTED IN THE SPECIFICATIONS OR GENERAL NOTES.

DETAIL-TYP CMU WALL INTERSECTIONS

APPROVED STRUCTURAL ONLY ICC 500 REVIEW 2024.02.12 09:43:05 -06'00 Jacques A. Pierini, PE







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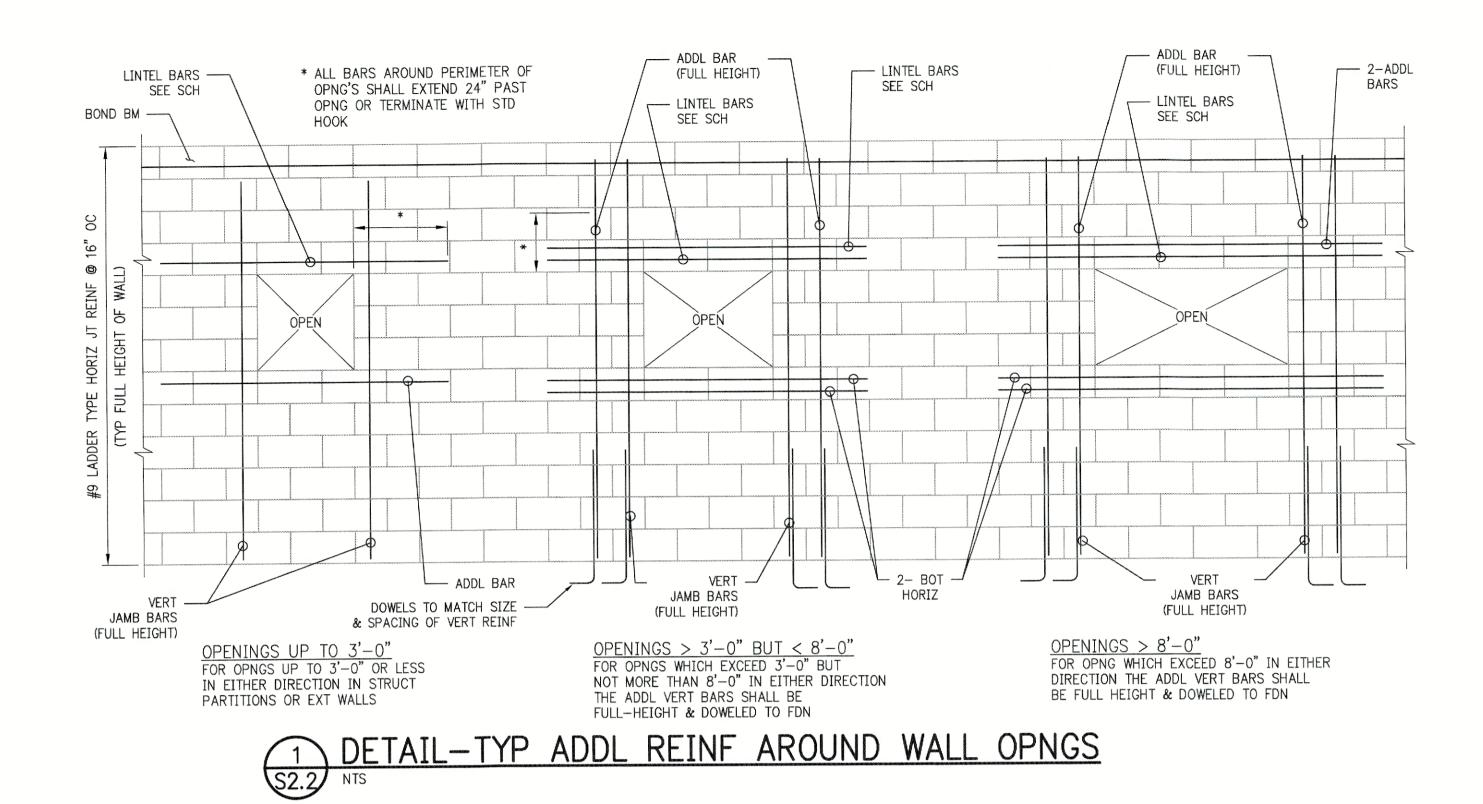
cademy for: r Facility for residential residual res n Shelter as Chi New Storm
Arkansa
Bryant, Arka

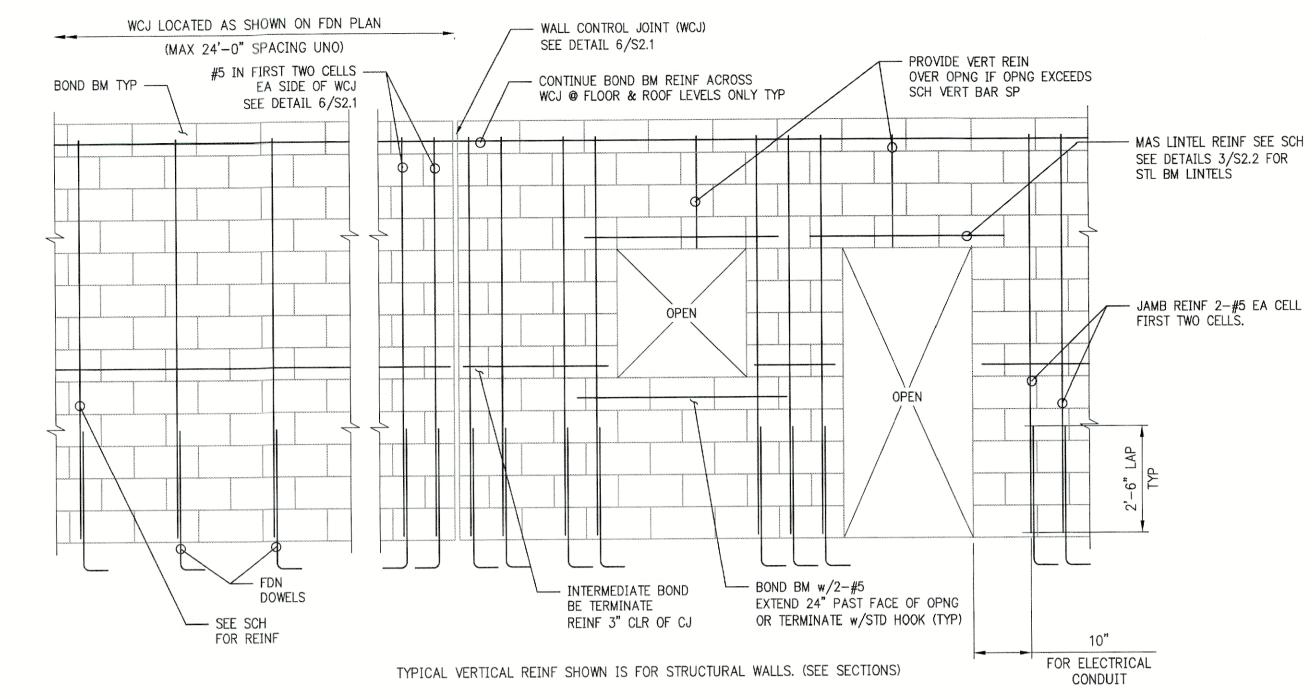
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01-22-2024

Sheet Title: **Typical** Details

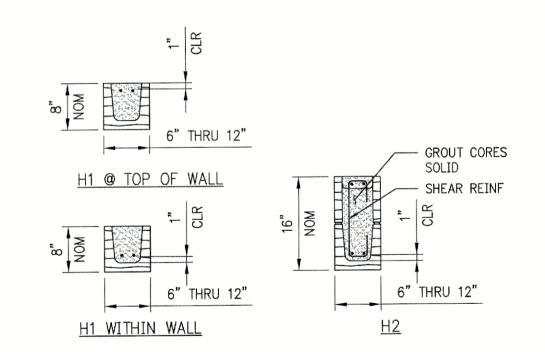
> 01/22/2024 Sheet Number: **S2.1**





DETAIL-TYP BOND BM, CONTROL JT & WALL REINF

	H	EADER SCHEDULE		
MARK	WALL	REINFORCEMENT	SHEAR REINFORCEMENT	REMARKS
H1	8"	2-#5 CONT	N/A	
	12"	2-#5 CONT		V0004
Н2	8"	2-#5 CONT T&B	AAAAA	
	12"	2#5 CONT T&B	- AMANA	MAA



NOTE

1. SEE STRUCT DWGS FOR GENERAL LOCATION OF HEADERS — SEE ARCH FOR SPECIFIC LOCATION & CLEAR SPAN.

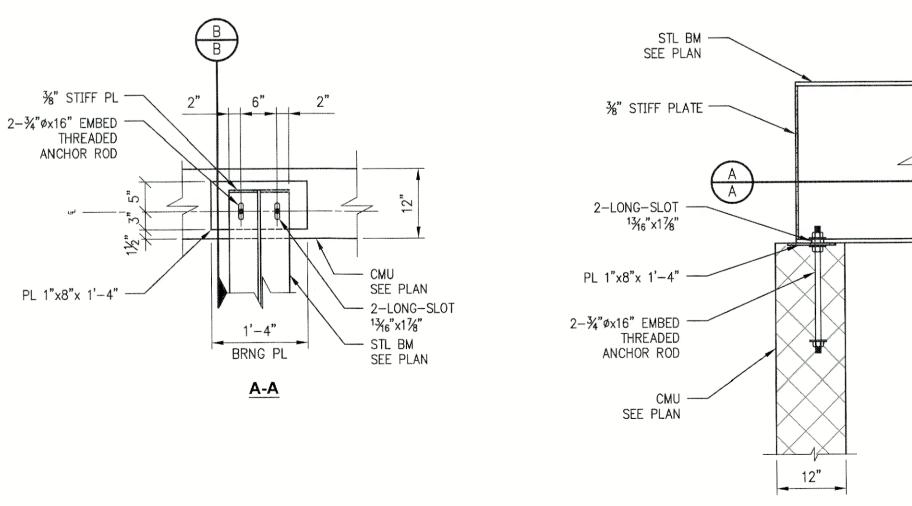
2. LINTELS SHALL SPAN CONT BTWN BRNGS EACH SIDE.

2. LINTELS SHALL SPAN GREATER THAN 8'-0" OR LESS 16"(MIN) RPNG FOR CLEAR SPAN GREATER THAN 8'-0"

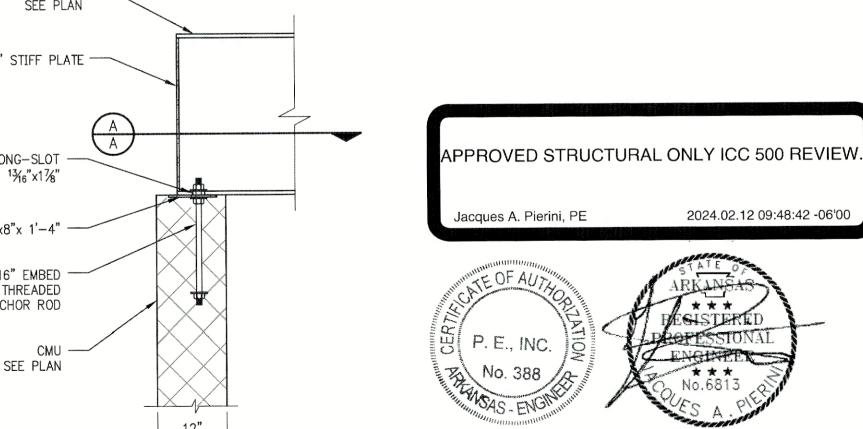
PROVIDE 8"(MIN) BRNG FOR CLEAR SPAN 8'-0" OR LESS, 16"(MIN) BRNG FOR CLEAR SPAN GREATER THAN 8'-0".
 EXTEND BOT REINF TO END OF BRNG EACH SIDE - EXTEND TOP REINF WHERE POSSIBLE - BASIC DEVELOPMENT LENGTH - TERMINATE TOP REINF w/STD HOOK AT CONTROL JTS OR FREE EDGES.
 PROVIDE SOLID GROUTED OF SOLID MAS JAMB UNDER LINTEL EA SIDE OF OPNG FOR CLEAR SPAN GREATER THAN

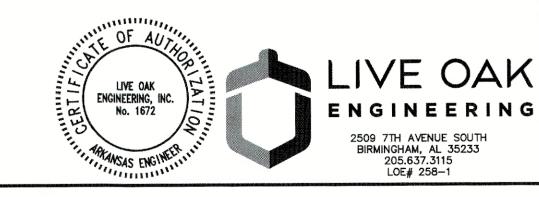
6'-0".

3 DETAIL-MASONRY LINTELS



EXTERIOR CORRIDOR BEARING PLATE





HUGHES ARCHITECTURAL DESIGNS

1202 N STATE LINE AVE SUITE #102 TEXARKANA, AR 71854 501-627-2448 michaelhughes72s77@gmail.com

r for: -acility for Shelter Storm

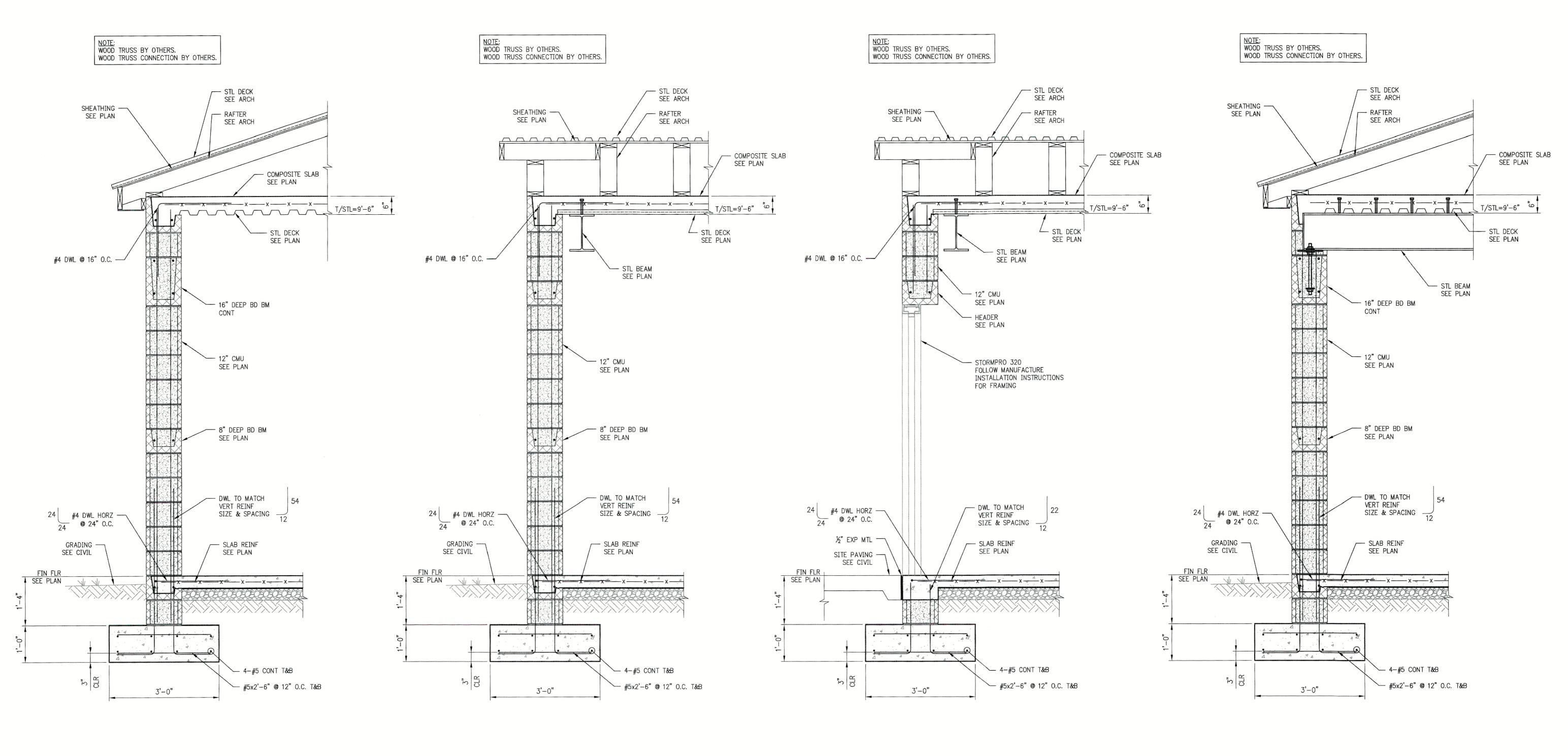
Professional stamp: ARKANŠAS REGÎSTÊRED **PROFESSIONAL** 

Revisions:

ENGINEER No.10449

Sheet Title: Typical Details

**S2.2** 

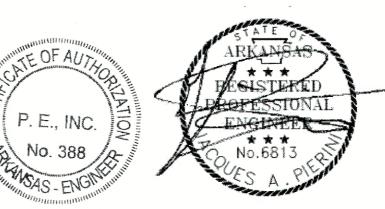


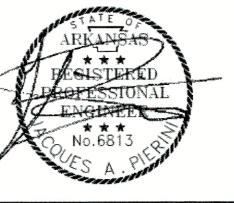
**SECTION** 3/4"=1'-0"

1 SECTION S3.1 3/4"=1'-0"

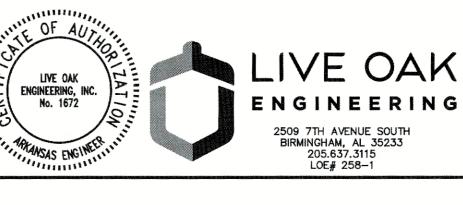
APPROVED STRUCTURAL ONLY ICC 500 REVIEW. No. 388 2024.02.12 09:51:12 -06'00 Jacques A. Pierini, PE

3 SECTION S3.1 3/4"=1'-0"





4 SECTION S3.1 3/4"=1'-0"



HUGHE ARCHITECTUR

DESIGN 1202 N STATE LINE **SUITE #102** TEXARKANA, AR 71

501-627-2448 michaelhughes72s77@gma

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Sheet Title:

01-22-2024

Framing Sections

Date: 01/22/2 Sheet Number:

**S3.1**