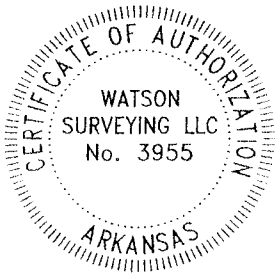
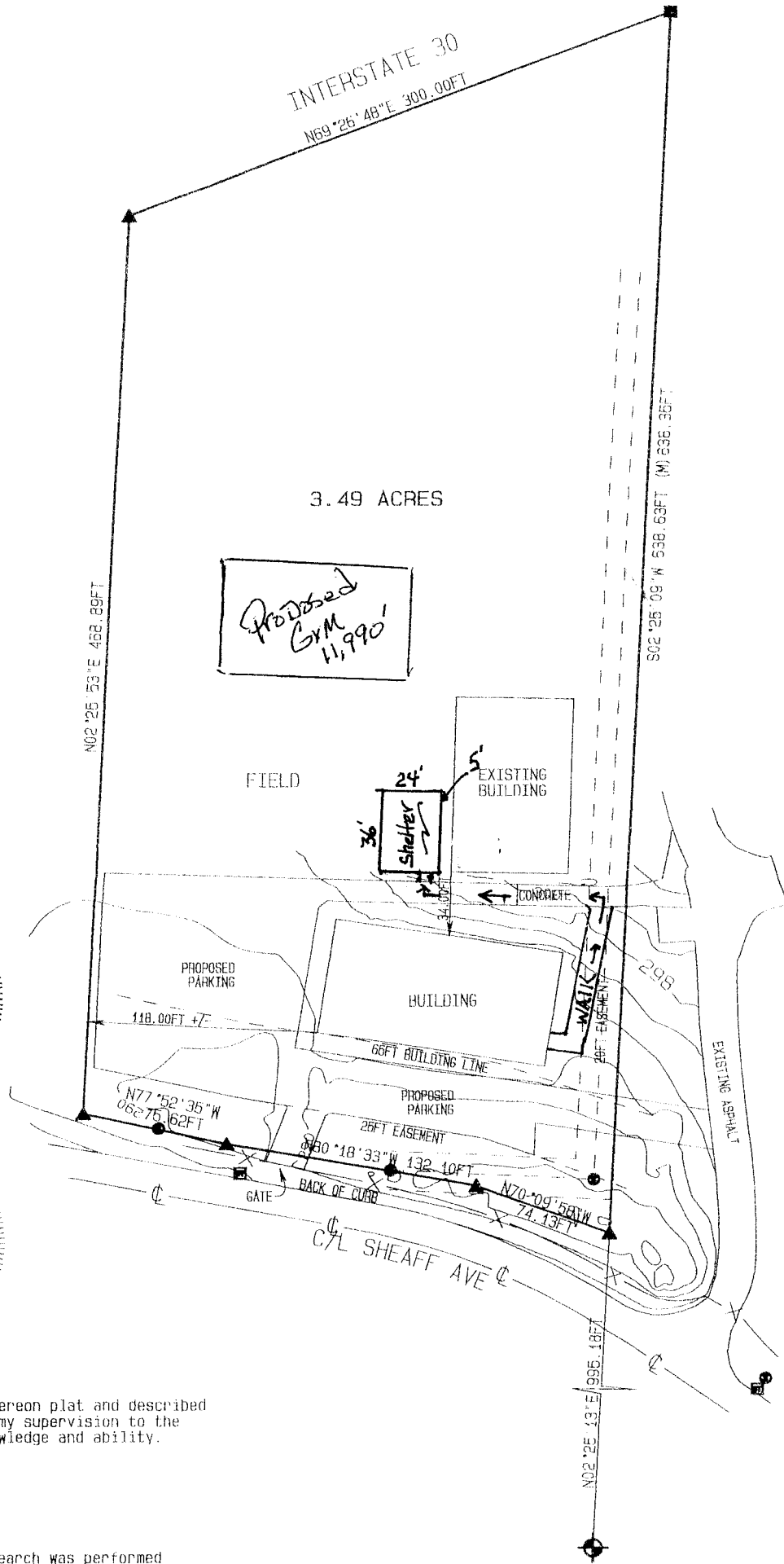


DEEDED LEGAL DESCRIPTION:

Part of the Southeast Quarter of the Northeast Quarter and part of the Northeast Quarter of the Northeast Quarter of Section 29, Township 1 South, Range 14 West, City of Bryant, Saline County, Arkansas, more particularly described as follows: Commencing at the Southeast corner of said Southeast Quarter Northeast Quarter; thence North 02 deg. 25 min. 15 sec. East along the East line thereof for 996.18 feet to the Point of Beginning being on the North right-of-way line of the Springhill Overpass extension road; thence North 70 deg. 09 min. 58 sec. West for 74.13 feet; thence North 80 deg. 18 min. 33 sec. West for 132.10 feet; thence North 77 deg. 52 min. 35 sec. West for 75.62 feet; thence North 02 deg. 25 min. 53 sec. East for 468.89 feet to the South right-of-way line of Interstate #30; thence North 69 deg. 26 min. 48 sec. East for 300.00 feet to the East line of said Northeast Quarter Northeast Quarter; thence South 02 deg. 25 min. 09 sec. West for 637.63 feet to the Point of Beginning, containing 3.49 acres, more or less



I hereby certify that the hereon plat and described survey was completed under my supervision to the best of my professional knowledge and ability.

Brian J. Watson
BRIAN J. WATSON
P.L.S. #1864

No investigation or other search was performed for easements or other records that an accurate and current title search may disclose

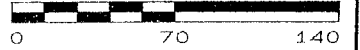
DATE: 27 JULY 2023
SCALE: 1IN. = 70FT.
JOB#23-134
DRAWN BY: BW

**PLOT PLAN
FOR THE USE AND BENEFIT OF
DESTINED TO WIN**



BEARINGS BASED ON EAST LINE FROM ORIGINAL DEED

SCALE 1" = 70'



Symbol	Description
	STORM DRAIN
	SEWER
	COMPUTED
	REBAR
	FENCE (X) LINE
	CENTER LINE
	PROPERTY LINE



Building Code Requirements

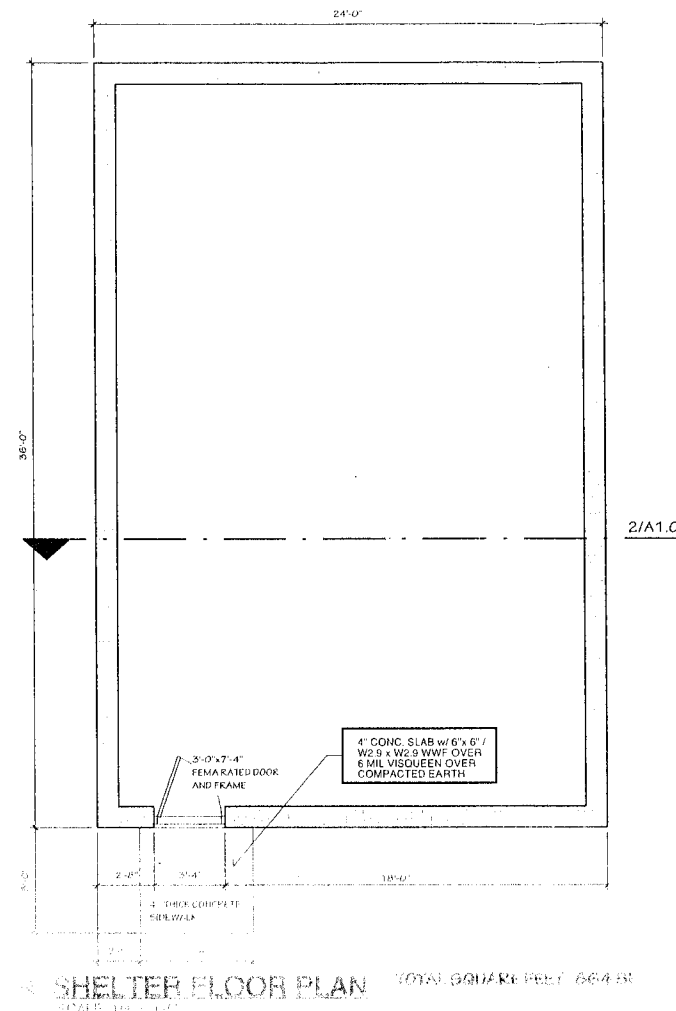
2012 International Building Code (IBC)

OCCUPANCY TYPE:	TYPE E
BUILDING CONSTRUCTION:	TYPE III
CONSTRUCTION:	UNSPRINKLERED
ALLOWABLE SQ. FT.:	14,500 SQ. FT.
ACTUAL BUILDING SQ. FT.:	864 SQ. FT.
NET AREA:	748 SQ. FT.
ALLOWABLE HEIGHT:	2 STORIES, 55'-0"
ACTUAL HEIGHT:	1 STORY, 14'-8"
EXITS:	
TRAVEL DISTANCE (UNSPRINKLERED)	200
ACTUAL DISTANCE:	38
0.2 WIDTH REQUIRED PER OCCUPANT:	50"
1.5'-0" DOOR REQUIRED, ACTUAL WIDTH:	34"
FIRE EXTINGUISHERS REQUIRED:	1
OCCUPANTS ALLOWED:	5 PER NET SF
748 NET SF	150 OCCUPANTS

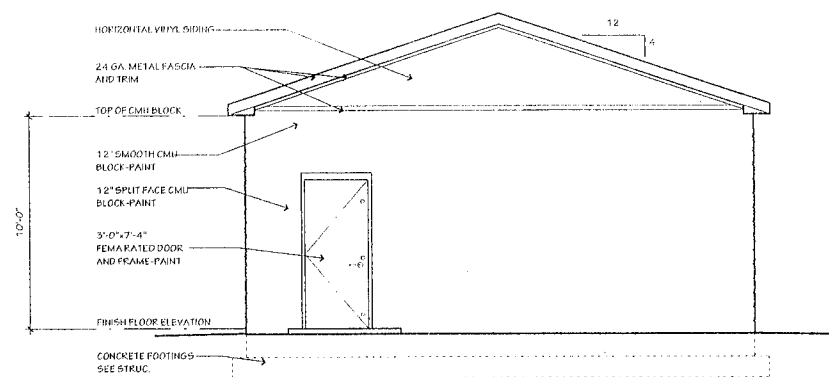
DRAWING INDEX

A1.0 FLOOR PLAN, EXTERIOR ELEVATIONS & BUILDING SECTION

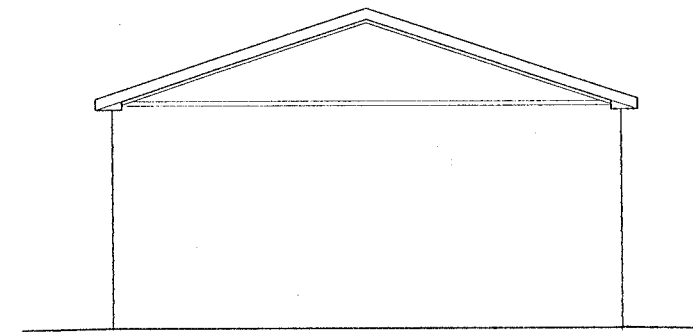
- S0.0 GENERAL NOTES
- S0.1 GENERAL NOTES CONTINUED
- S1.1 FOUNDATION & FRAMING PLANS
- S2.1 TYPICAL DETAILS
- S2.2 TYPICAL DETAILS
- S2.3 TYPICAL DETAILS
- S3.1 FRAMING SECTIONS



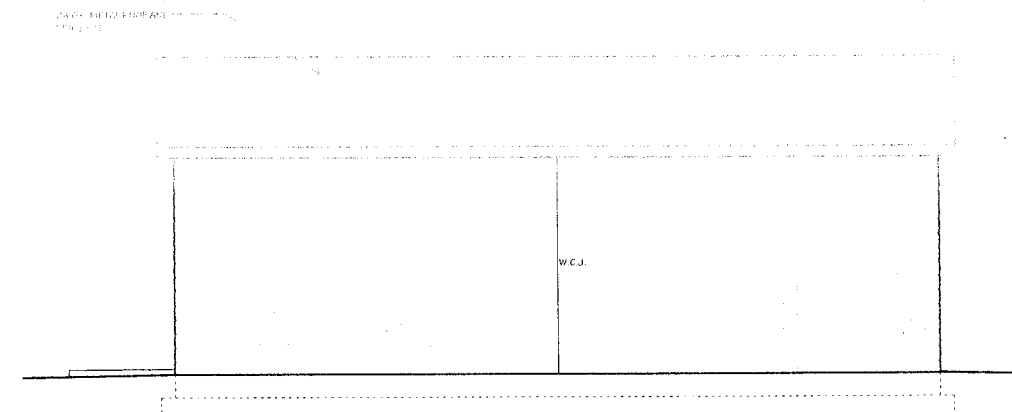
SHelter FLOOR PLAN TOTAL SQUARE FEET 864 SF



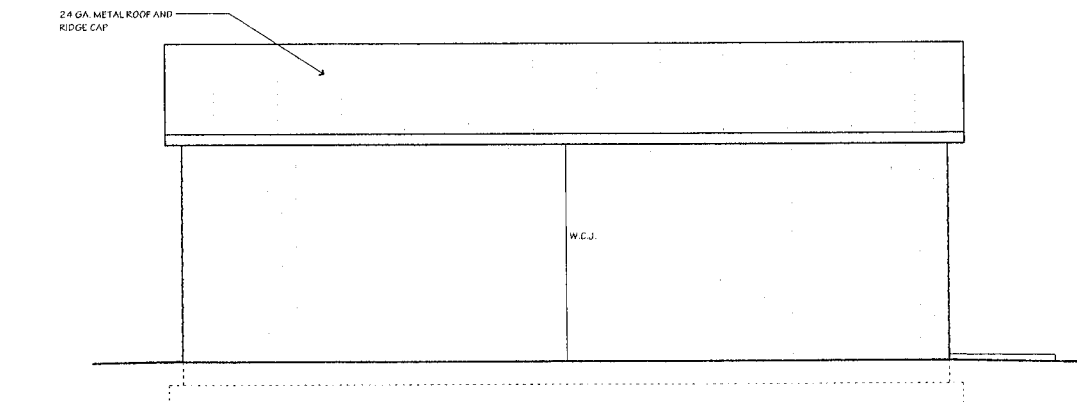
3 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



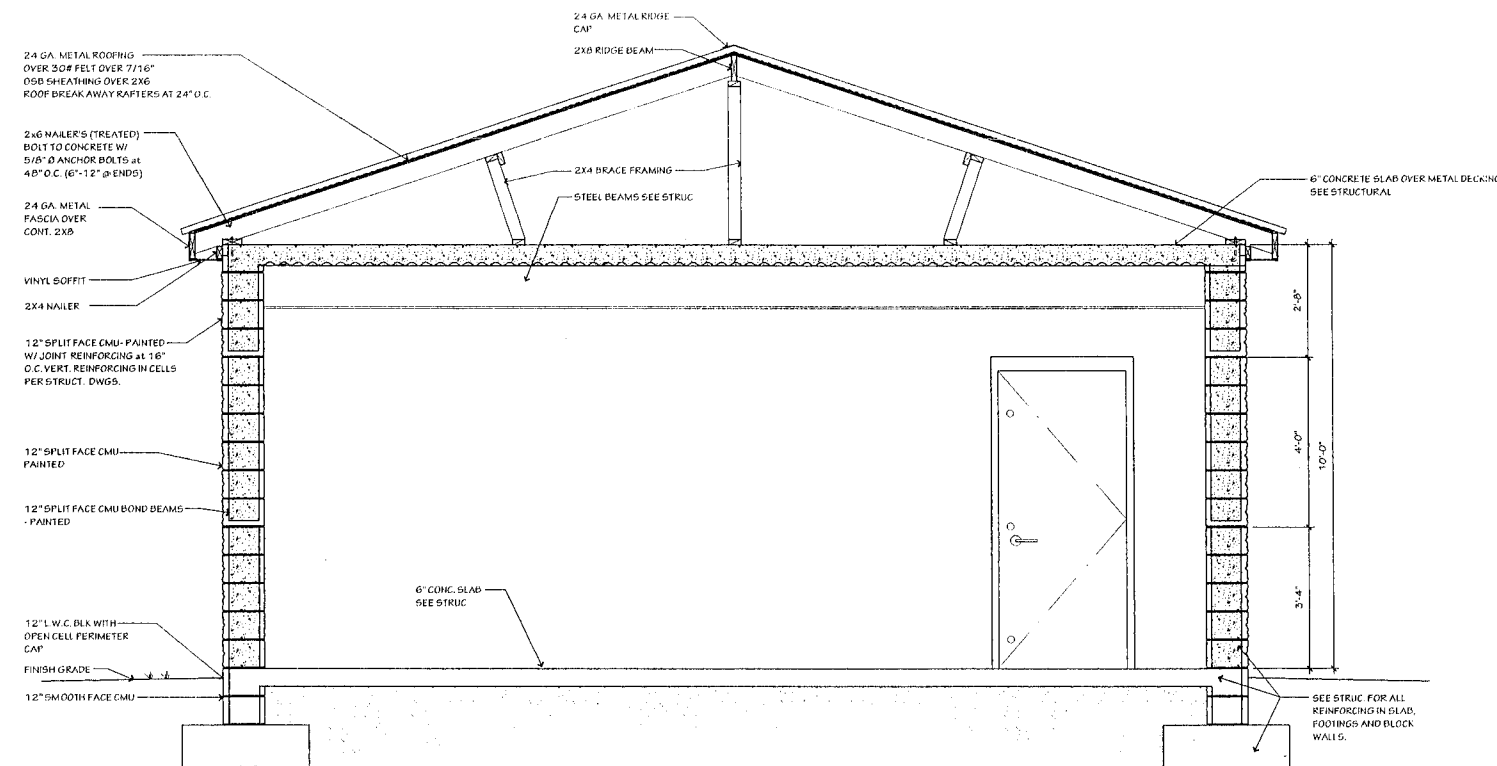
4 REAR ELEVATION
SCALE: 1/4" = 1'-0"



5 SIDE ELEVATIONS
SCALE: 1/4" = 1'-0"



6 SIDE ELEVATIONS
SCALE: 1/4" = 1'-0"



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



HUGHES ARCHITECTURAL DESIGNS

1202 N STATE LINE AVE
SUITE #102
TEXARKANA, AR 71864
501-627-2448

michae@hughes72a77@gmail.com

New Storm Shelter Facility for
Arkansas Christian Academy
 Bryant, Arkansas

Revisions:

Professional Stamps:

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

Date: 12-04-2023
Sheet Number:

A1.0

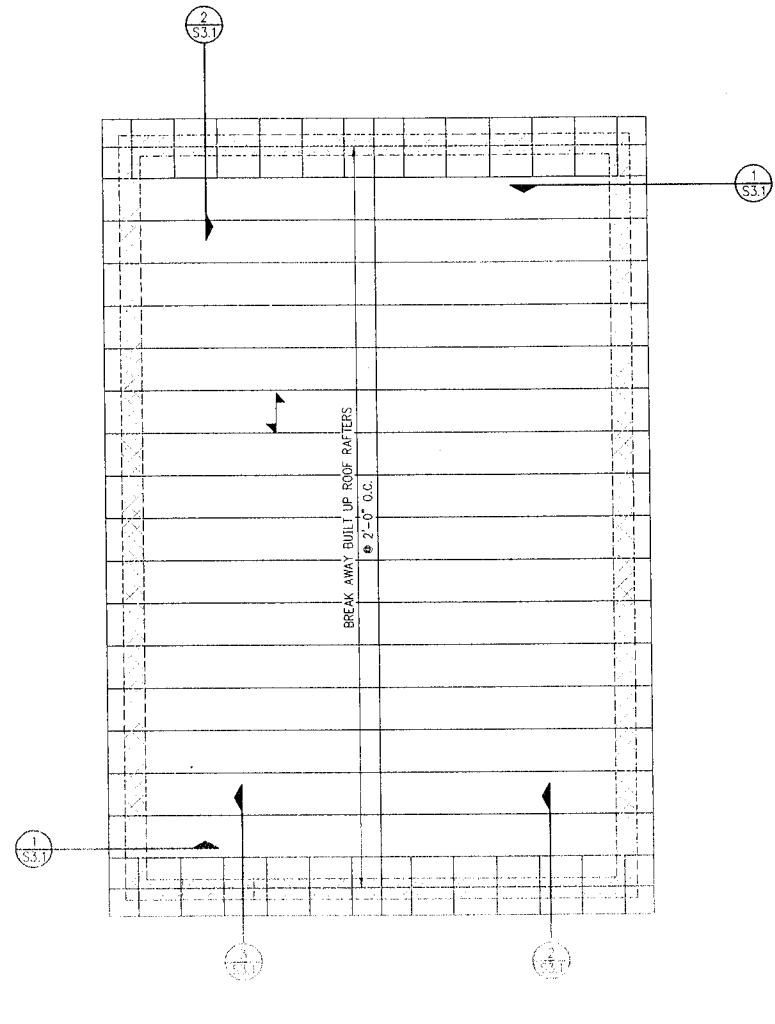
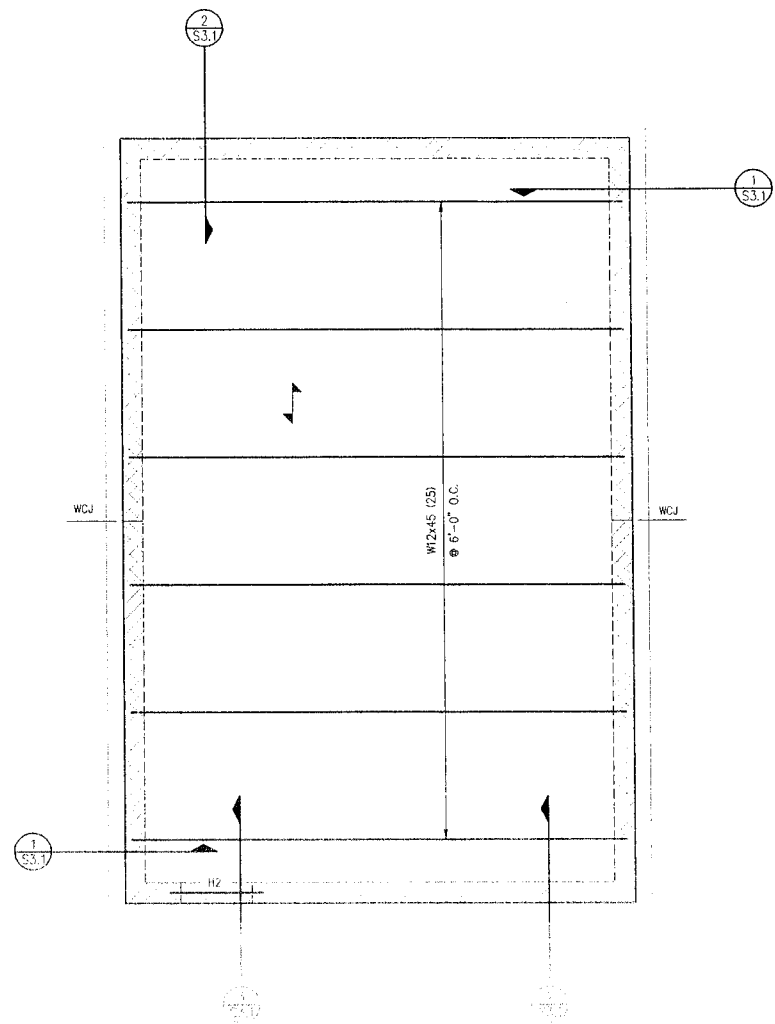
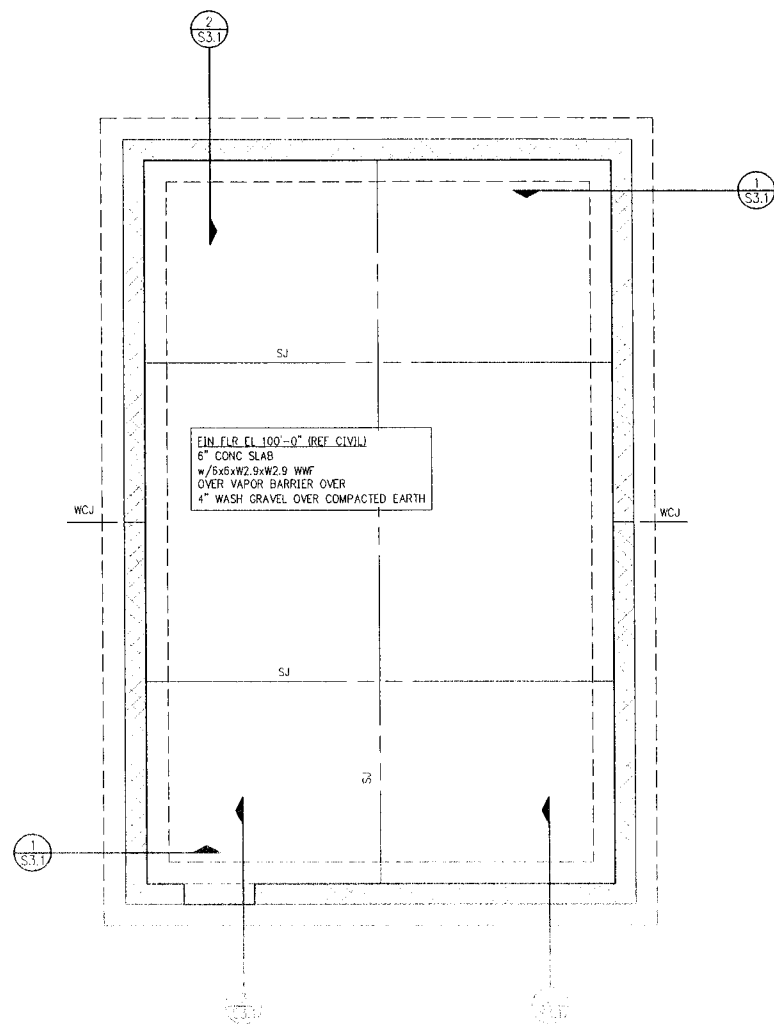


HUGHES ARCHITECTURAL DESIGNS

1202 N STATE LINE AVE SUITE #102 TEXARKANA, AR 71854 501-627-2448

michal@hughes72477@gmail.com

New Storm Shelter Facility for: Arkansas Christian Academy Bryant, Arkansas



LEGEND:
SJ - SAW JOINT, SEE 1/S2.1
WCJ - MASONRY WALL CONTROL JOINT, SEE 7/S2.1
↔ - DECK SPAN DIRECTION

- 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 SHALL BE SPACED AT 24' O.C.
 - REINFORCEMENTS DISCONTINUOUS ACROSS CONTROL JOINTS.
 - FOR 12" WALL 2-#5 @ 16" O.C.
 - 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.
 - GROUT SOLID ALL MASONRY BELOW GRADE.

- FOUNDATION PLAN NOTES:
- ALL DIMENSIONS ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWING BEFORE CONSTRUCTION IS TO BEGIN. SEE ARCHITECTURAL DRAWING FOR DIMENSIONS NOT SHOWN.
 - SEE 1/S2.1 FOR SLAB ON GRADE CONSTRUCTION JOINT, 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 S.O.D FOR ADDITIONAL REQUIREMENTS.

LEGEND:
H? - MASONRY HEADER, SEE 3/S2.2
WCJ - MASONRY WALL CONTROL JOINT, SEE 7/S2.1
↔ - DECK SPAN DIRECTION

A FOUNDATION PLAN 1/4"=1'-0"

B CONC LID FRAMING PLAN 1/4"=1'-0"

C ROOF FRAMING PLAN 1/4"=1'-0"

Revisions

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10449
DATE SIGNED: 12-04-2023
FOR 3rd PARTY REVIEW
NOT FOR CONSTRUCTION

Sheet Title
Foundation & Framing Plans

Date:
Sheet Number:
S1.1



LIVE OAK ENGINEERING
2509 7TH AVENUE SOUTH
BIRMINGHAM, AL 35233
205-637-3115
LOE# 258-1

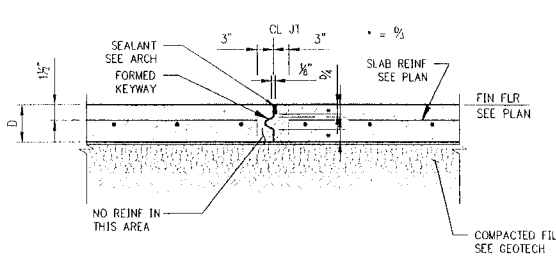


HUGHES ARCHITECTURAL DESIGNS

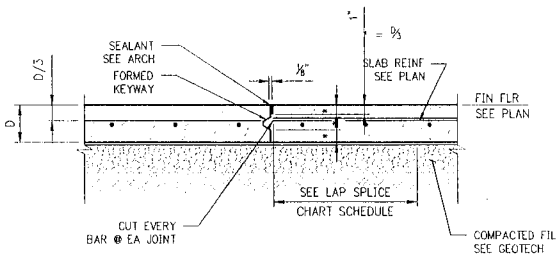
1202 N STATE LINE AVE SUITE #102 TEXARKANA, AR 71854 501-627-2448

micha@hughes72572@gmail.com

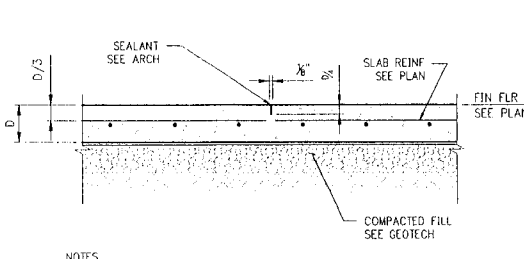
New Storm Shelter Facility for: Arkansas Christian Academy Bryant, Arkansas



EXPANSION JOINT

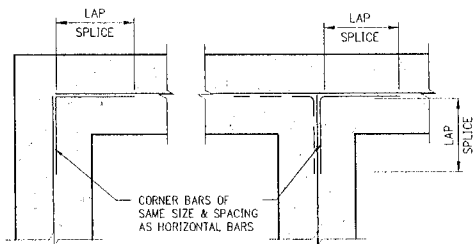


CONSTRUCTION JOINT

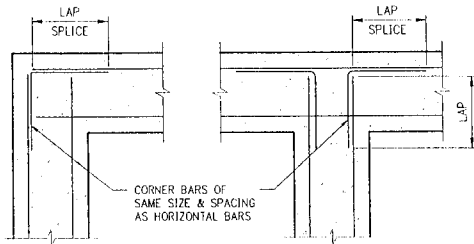


SAWCUT CONTROL JOINT

NOTES: 1. SEE FOUNDATION PLANS FOR SLAB THICKNESS AND REIN. 2. 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.



SINGLE LAYER REINFORCEMENT

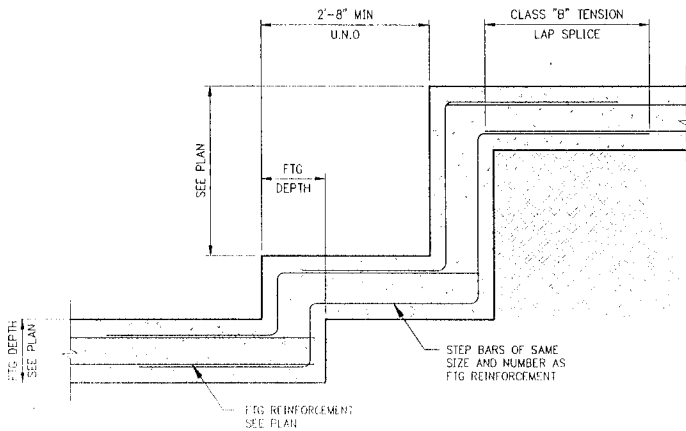


DOUBLE LAYER REINFORCEMENT

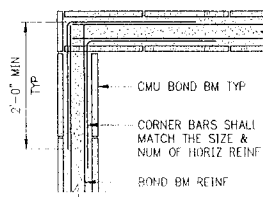
NOTE: ALL LAP SPLICES CLASS "B" TENSION

1 DETAIL-TYP SLAB JOINTS S2.1 NTS

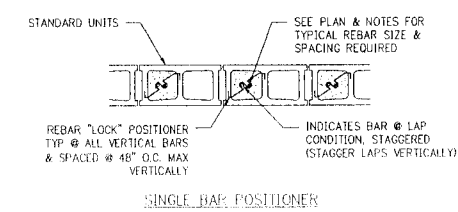
2 DETAIL - REINFORCING AT CORNERS & INTERSECTIONS NTS



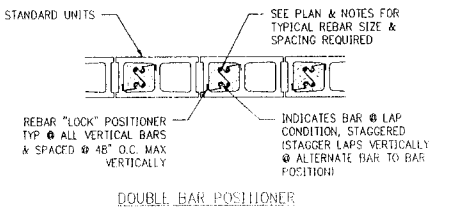
3 DETAIL-STEPPED FOOTING S2.1



4 DETAIL-TYP BOND BM CORNER REIN S2.1

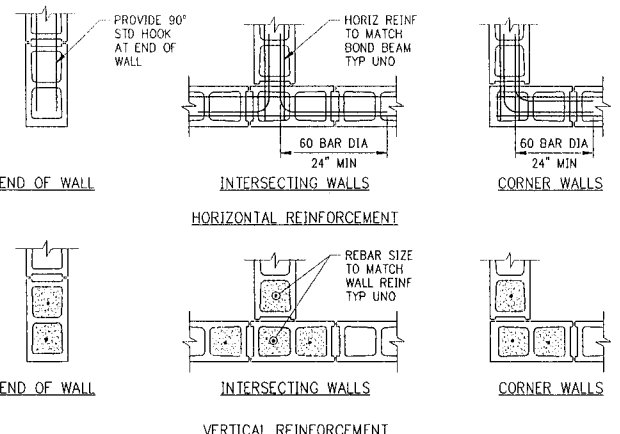


SINGLE BAR POSITIONER



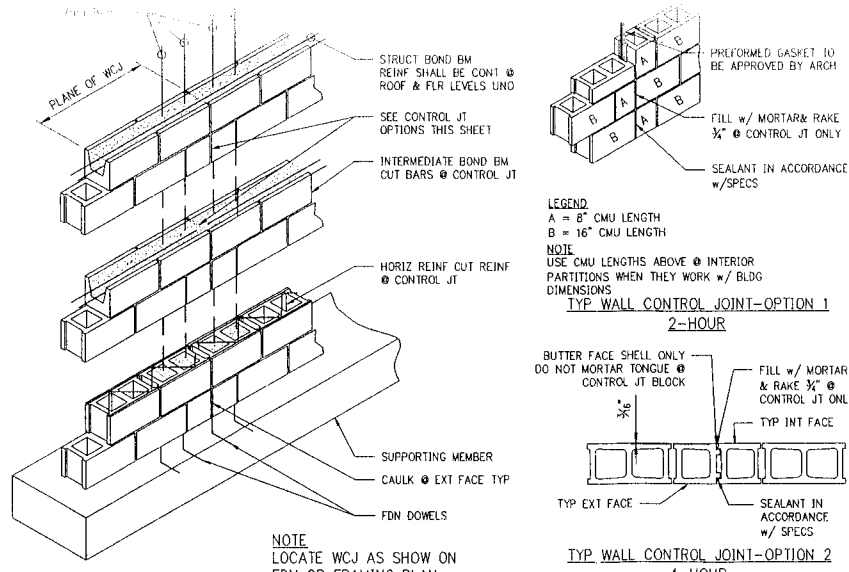
DOUBLE BAR POSITIONER

5 DETAIL-TYP MASONRY WALL REINFORCEMENT POSITIONERS S2.1



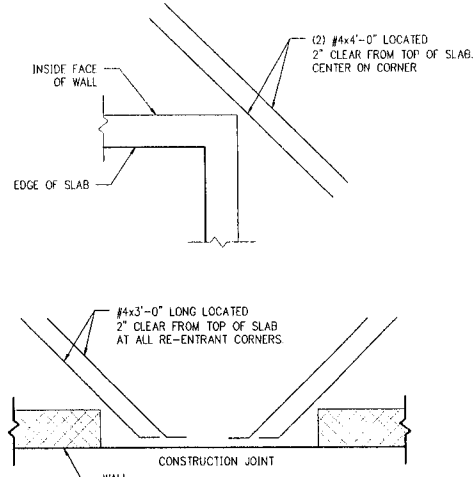
NOTES: 1. REINFORCEMENT SHOWN IS IN ADDITION TO MINIMUM WALL REINFORCEMENT SHOWN IN FOUNDATION DETAILS. 2. REINFORCING TO BE CONTINUOUS FROM FOOTING TO TOP OF WALL. FILL CORES SOLID WITH GROUT AS NOTED IN THE SPECIFICATIONS OR GENERAL NOTES.

6 DETAIL-TYP CMU WALL INTERSECTIONS S2.1 NTS

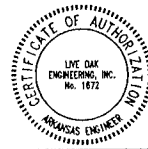


NOTE: LOCATE WCJ AS SHOW ON FDN OR FRAMING PLAN MAX 24'-0" SPACING UNO

7 DETAIL-TYP CMU WALL CONTROL JOINT (WCJ) S2.1 3/4"x1'-0"



8 DETAIL-TYP RE-ENTRANT CORNER REIN S2.1 NTS



LIVE OAK ENGINEERING 2509 7TH AVENUE SOUTH BIRMINGHAM, AL 35233 205.637.3115 LEX# 258-1

Revisions table with columns for revision number, description, and date.

Professional stamp: STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 10449 Patrick M. Plouffe DATE SIGNED: 12-04-2023 FOR 3rd PARTY REVIEW NOT FOR CONSTRUCTION

Sheet Title: Typical Details

Date: Sheet Number:

S2.1

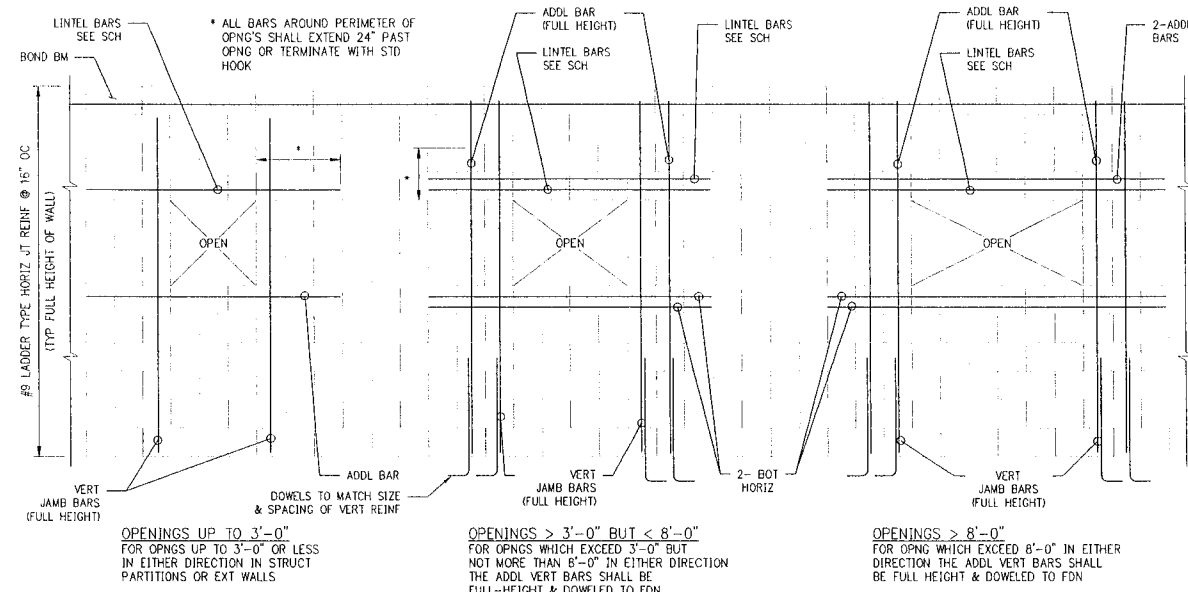


**HUGHES
ARCHITECTURAL
DESIGNS**

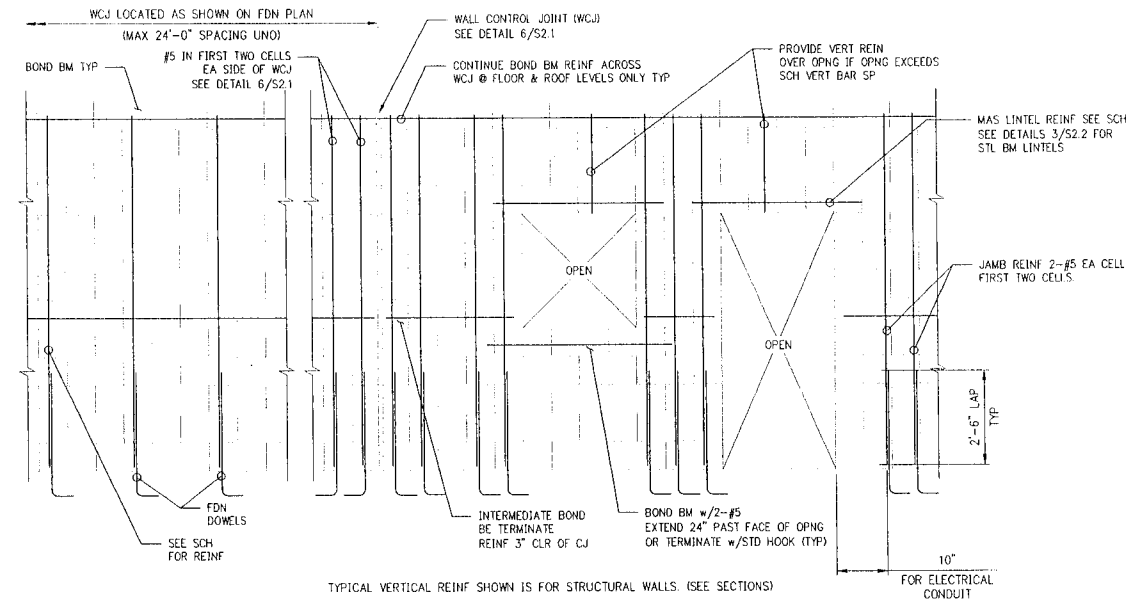
1202 N STATE LINE AVE
SUITE #102
TEXARKANA, AR 71854
501-627-2448

michal@hughes77277@gmail.com

New Storm Shelter Facility for:
Arkansas Christian Academy
Bryant, Arkansas

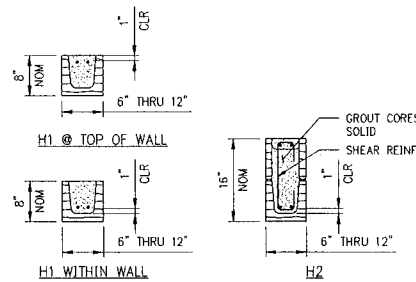


1 **DETAIL-TYP ADDL REINF AROUND WALL OPNGS**
S2.2 NTS



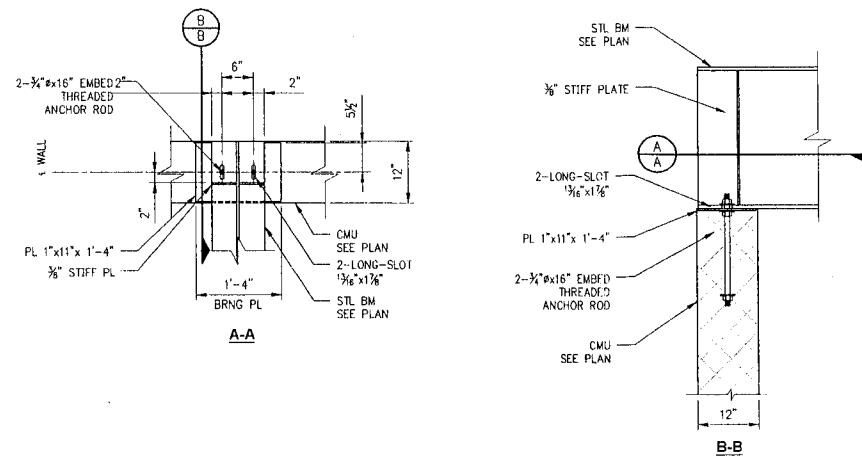
2 **DETAIL-TYP BOND BM, CONTROL JT & WALL REINF**
S2.2 NTS

HEADER SCHEDULE				
MARK	WALL	REINFORCEMENT	SHEAR REINFORCEMENT	REMARKS
H1	8"	2-#5 CONT	N/A	-
	12"	2-#5 CONT	-	-
H2	8"	2-#5 CONT TAB	-	-
	12"	2-#5 CONT TAB	-	-

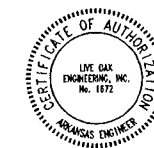


- NOTE**
- SEE STRUCT DWGS FOR GENERAL LOCATION OF HEADERS - SEE ARCH FOR SPECIFIC LOCATION & CLEAR SPAN.
 - LINTELS SHALL SPAN CONT BTWN BRNGS EACH SIDE.
 - PROVIDE 8" (MIN) BRNG FOR CLEAR SPAN 8'-0" OR LESS, 16" (MIN) BRNG FOR CLEAR SPAN GREATER THAN 8'-0".
 - EXTEND BOT REINF TO END OF BRNG EACH SIDE - 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**
S2.2 3/4" = 1'-0"



4 **EXTERIOR CORRIDOR BEARING PLATE**
S2.2 3/4" = 1'-0"



**LIVE OAK
ENGINEERING**

2509 7TH AVENUE SOUTH
BIRMINGHAM, AL 35233
205.637.3116
LOG# 256-1

Revisions

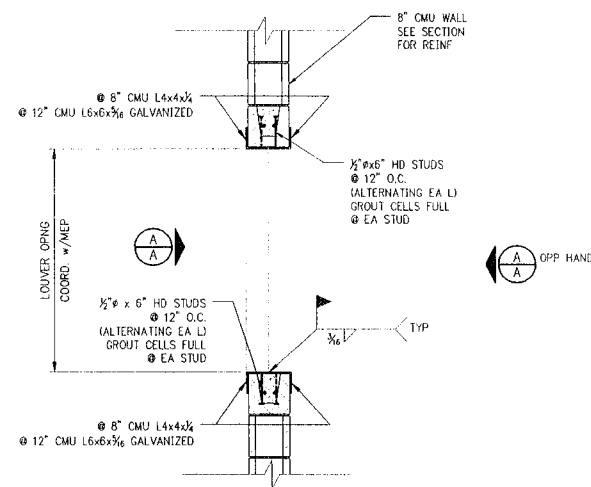
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REGISTERED PROFESSIONAL ENGINEER
No. 10449
P. M. FLOUDE
DATE SIGNED: 12-04-2023
FOR 3rd PARTY REVIEW
NOT FOR CONSTRUCTION

Sheet Title:

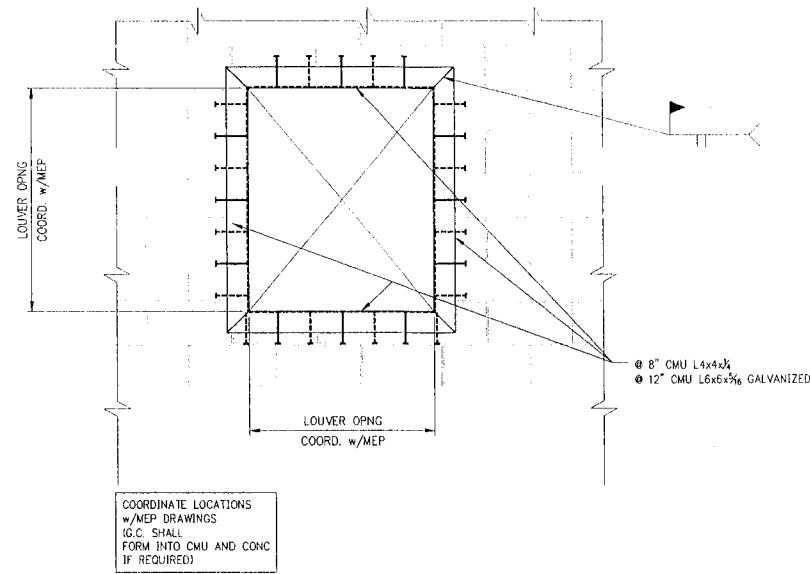
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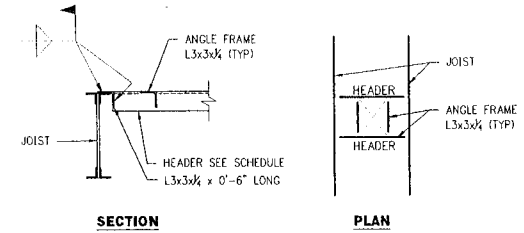


1
S2.3
DETAIL-OPNG IN MASONRY
TORNADO SHELTER WALL
NTS



2
S2.3
DETAIL-TYPICAL OPENING THRU ROOF DECK
3/4" = 1'-0"

HEADER SCHEDULE	
JOIST SPACING	SIZE
UP TO 4'-6"	L2 1/2 x 2 1/2 x 1/2
4'-6" TO 6'-6"	L3 1/2 x 3 1/2 - LLV
6'-7" TO 8'-0"	L4 x 3 1/2 - LLV



SECTION
PLAN
NOTES
VERIFY EXACT NUMBER, SIZE & LOCATION OF OPENINGS w/ ARCHITECTURAL & MECHANICAL.

STEEL JOIST FRAMING

New Storm Shelter Facility for:
Arkansas Christian Academy
Bryant, Arkansas

Revisions:

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Typical Details

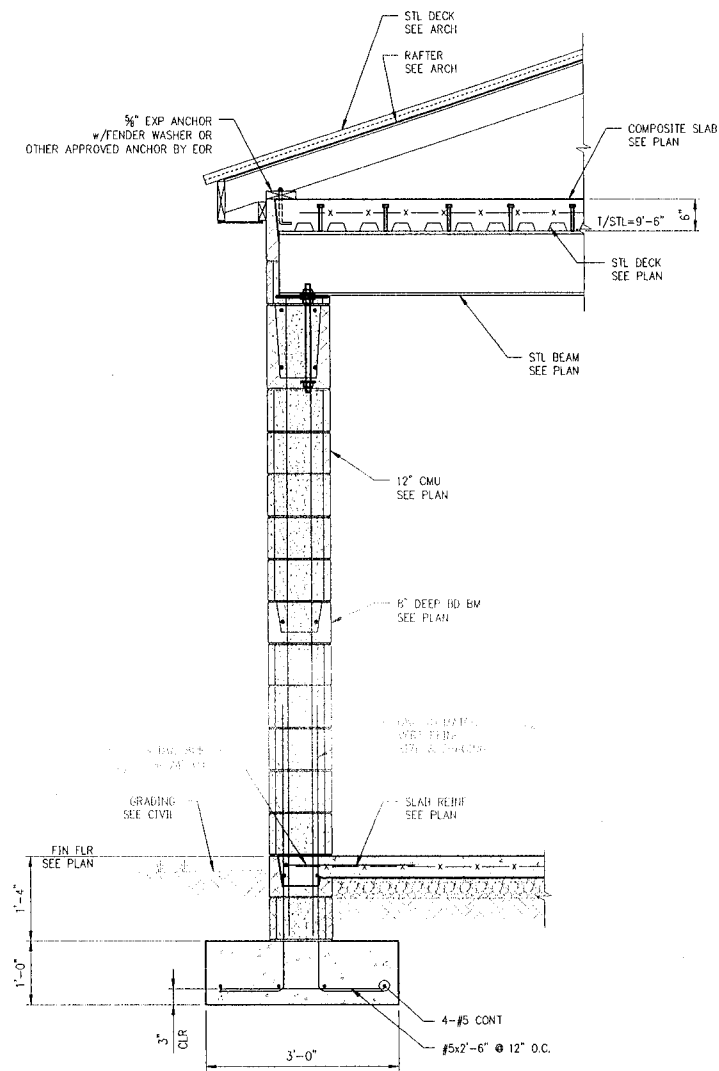
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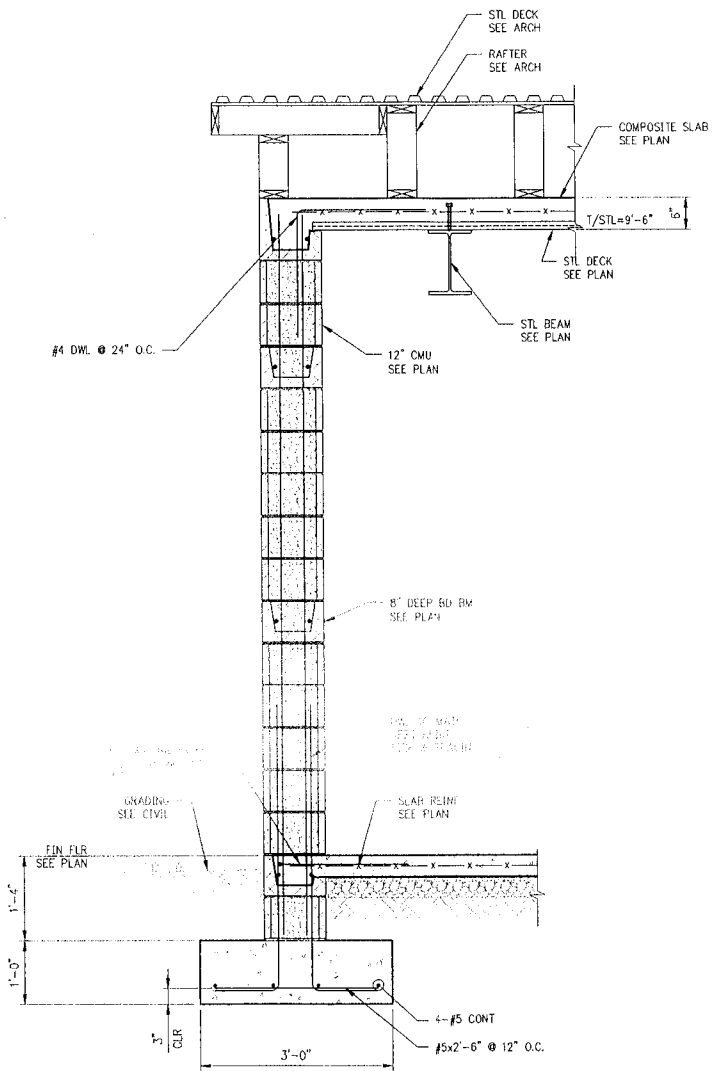


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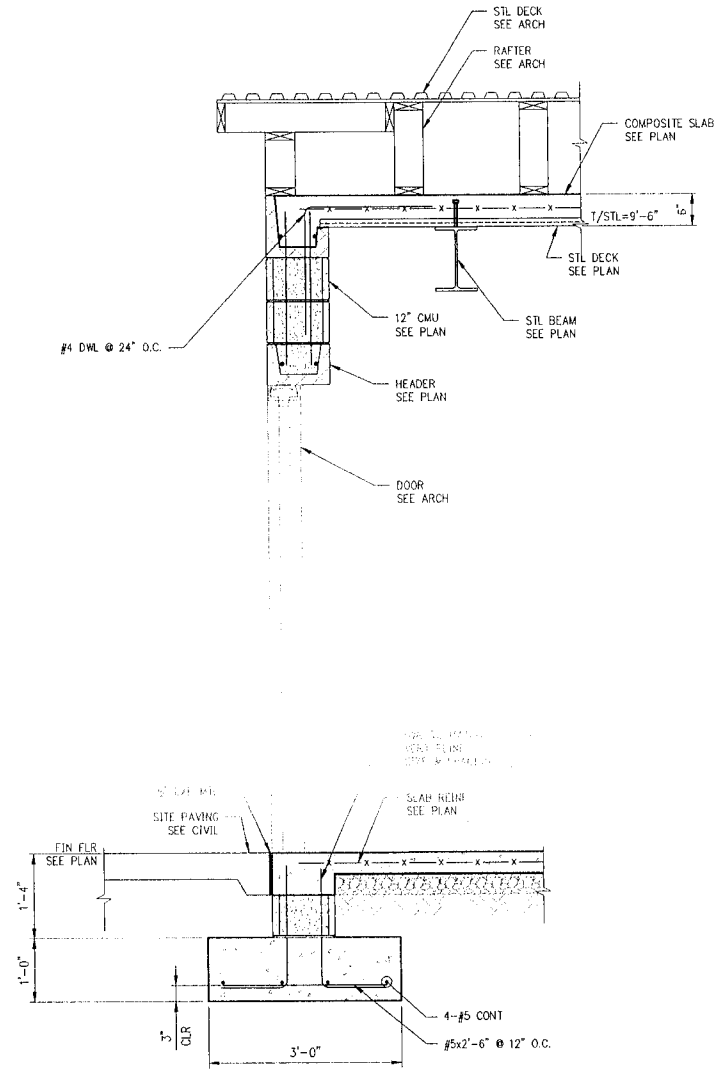
1202 N STATE LINE AVE
SUITE #102
TEXARKANA, AR 71854
501-627-2448
micha@hughes7277@gmail.com



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



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



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

New Storm Shelter Facility for:
Arkansas Christian Academy
Bryant, Arkansas

Revisions:

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ENGINEER
No. 10449
PATRICK M. PLOURDE
DATE SIGNED:
12-04-2023
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NOT FOR CONSTRUCTION

Sheet Title:
Framing
Sections

Date:
Sheet Number:

S3.1



LIVE OAK
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2509 7TH AVENUE SOUTH
BIRMINGHAM, AL 35233
205-637-5115
LOE# 258-1