GENERAL NOTES:

1. ALL FOUNDATION WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AND ACI 318

2. PRIOR TO CONSTRUCTION ALL VEGETATION, STUMPS, ROOTS, FOREIGN MATERIAL AND SURFICIAL TOPSOIL SHALL BE REMOVED FROM THE AREA UNDER THE FOUNDATION AND TO A MINIMUM DISTANCE OF 5 FEET BEYOND THE LIMITS OF THE PROPOSED BUILDING. AFTER THIS STRIPING AND CLEARING HAS BEEN COMPLETED THE EXPOSED NATURAL SOILS SHALL BE COMPACTED TO 98% OF MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D 1557.

3. GROUNDWATER LEVELS SHALL BE CONTROLLED TO A MINIMUM OF 2 FEET BELOW THE CONSTRUCTION LEVEL. GROUNDWATER ELEVATIONS MAY FLUCTUATE DURING CONSTRUCTION THEREFORE TEMPOARY DEWATERING MAY BE NESSASARY TO CONTROL THE GROUNDWATER LEVELS.

4. ALL FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 6 INCHES AND SHALL BE COMPACTED TO 98% OF MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D 1557.

5. IF "PUMPING" OF THE NEAR SURFACE SOILS OR FILL MATERIAL OCCURS DURING CONSTRUCTION WHICH RESULTS IN STRENGTH LOSS OF THE SUBSEQUENT SOIL, WORK SHALL BE TERMINATED IN THESE AREAS AND THE DISTURBED SOILS REMOVED. IN LEU OF REMOVING THE DISTURBED SOILS THE EXCESS MOISTURE MAY BE ALLOWED TO DISSAPATE AND THE SOIL RE-COMPACTED.

6. ALL FOOTINGS HAVE BEEN DESIGNED FOR THE FOLLOWING ASSUMED SOIL PROPERTIES:
   BEARING CAPACITY = 2,000 PSF
   ANGLE OF INTERNAL FRICTION = 28 DEGREES
   COEFFICIENT OF FRICTION = 0.45
   SOIL WEIGHT = 110 LBS PER CUBIC FOOT
   IF IT IS DETERMINED AFTER THE SOILS SURVEY THAT THE ACTUAL SOIL PROPERTIES ARE DIFFERENT THAN THESE ASSUMED VALUES, THE CONTRACTOR SHALL FOLLOW THE RECCOMENDATIONS OF THE GEOTECHNICAL ENGINEER.

7. THE OUTLYING PERIMETER AREAS OF THE PROPOSED BUILDING SHALL BE GRADED IN SUCH A WAY AS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE PROPSED BUILDING.

8. A VAPOR RETARDER SHALLBE INSTALLED UNDERNEATH THE SLAB CONSISTING OF 6 MIL MINIMUM POLYETHYLENE WITH JOINTS LAPPED NOT LESS THAN 6 INCHES AND SEALED.

9. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.

10. ALL CONCRETE SHALL CONTAIN 2.5% TO 6% ENTRAINED AIR TO ENHANCE FROST RESISTANCE.

11. THE MAXIMUM WATER CEMENT RATIO OF THE CONCRETE SHALL BE 0.55

12. THE SLUMP LIMITS OF ALL CONCRETE SHALL BE 2 - 4 INCHES.

13. ALL CONCRETE SHALL BE MIXED UNTIL THEIRE IS A UNIFORM DISTRIBUTION OF MATERIALS IN ACCORDANCE WITH ACI 318.

14. FOOTINGS SHALL BE CONSTRUCTED UTILIZING FORMS TO INSURE MINIMUM REBAR COVER IS MAINTAINED.

15. ALL REINFORCING BARS THAT DO NOT REQUIRE WELDING SHALL CONFORM TO ASTM-615, GRADE 60. ALL REINFORCING BARS THAT ARE TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM-185.

16. THE NUMBER 4 REBAR IN THE SLAB TURN DOWN SHALL BE CONTINUOUS FOR THE ENTIRE PERIMETER OF THE FOUNDATION AND SHALL BE LAPED SPLICED AT TERMINAL POINTS IN ORDER TO MAINTAIN CONTINUITY.

17. THE SLAB REINFORCING INCLUDING THE WELDED WIRE FABRIC AND HAIRPINS SHALLNOT BE CUT DURING OR ANYTIME AFTER CONSTRUCTION SINCE THIS REINFORCEMENT PROVIDES STRUCTURAL STABILITY FOR THE BUILDING.

18. SINCE PASSIVE RESISTANCE OF THE SOIL IS AN INTEGRAL PART OF THE ABILITY OF THE FOUNDATION TO RESIST HORIZONTAL FORCES THAT WILL BE PRESENT WHEN THE DESIGN LOADS ARE APPLIED TO THE BUILDING SYSTEM, FUTURE EXCAVATION SHOULD NOT TAKE PLACE WITHIN 50 FEET OF THE BUILDING.

19. CONTROL JOINTS SHALL BE INSTALLED IN THE FOUNDATION AT INTERVALS NOT TO EXCEED 15 FEET.

20. MAINTAIN 3 INCHES MINIMUM CLEARANCE FOR ALL REBAR AND ANCHOR BOLTS UNLESS OTHERWISE NOTED.

STRUCTURAL DESIGN LOADS

BUILDING CODE: IBC 18

WIDTH (FT)	= 48.0/20.0
LENGTH (FT)	= 100.0/30.0
EAVE HEIGHT (FT)	= 12.0/12.0/14.0/14.0
ROOF SLOPE (RISE/12)	= 4.0/3.0
DEAD LOAD (PSF)	= 2.19/2.91
COLLATERAL LOAD (PSF)	= 5.0/1.0
ROOF LIVE LOAD (PSF)	= 20.0
LIVE LOAD REDUCTION	= YES
GROUND SNOW LOAD (PSF)	= 0.0
ROOF SNOW LOAD (PSF)	= 0.0
THERMAL COEFFICIENT (Ct)	= 1.0
IMPOATANCE - SNOW	= 1.0
SNOW EXPOSURE (Ce)	= 1.0
ULTIMATE WIND (ULT) (MPH)	= 130.0
NOMINAL WIND (ASD) (MPH)	= 100.7
RISK CATEGORY	= II-NORMAL
WIND EXPOSURE	= B
CLOSED/OPEN/PARTIAL	= CLOSED/OPEN
INTERNAL GCpi	= 0.18/-0.18/0.00/0.00

RISK CATEGORY	= II-NORMAL
SEISMIC SITE CLASS	= D
SEISMIC COEFFICIENT	= 0.28
MAPPED RESPONSE (Ss)	= 0.1731
MAPPED RESPONSE (S1)	= 0.0777
DESIGN CATEGORY (SDC)	= B
IMPORTANCE - SEISMIC	= 1.00
SITE COEFFICIENT (Fa)	= 1.6
SITE COEFFICIENT (FV)	= 2.4
DESIGN RESPONSE (Sms)	= 0.2770
DESIGN RESPONSE (Sm1)	= 0.1865
DESIGN RESPONSE (Sds)	= 0.1846
DESIGN RESPONSE (Sd1)	= 0.1243
RES MOD FACTOR (Mom) R	= 3.0
APP PERIOD (MOMENT) Ta	= 0.2573/2476
RES MOD FACTOR (Brc) R	= 3.0
APP PERIOD (BRACED) Ta	= 0.1600/0.1543
TRANSVERSE SYSTEM	= MOMENT FRAMES
LONGITUDINAL SYSTEM (ROOF)	= BRACED FRAMES
LONGITUDINAL SYSTEM (FSW)	= MOMENT FRAMES/CANT. COLUMN
LONGITUDINAL SYSTEM (BSW)	= MOMENT FRAMES/CANT. COLUMN

* THE SEISMIC ANALYSIS PROCEDURE USED ON THIS STRUCTURE IS THE EQUILIVIENT LATERAL FORCE PROCEDURE

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NO	REVISION	DATE

FOUNDATION PLANS

WOODMAN BUILDERS, INC.
500 WEST POPLAR STREET
JESUP, GEORGIA 31545
LOCATION: JESUP, GEORGIA

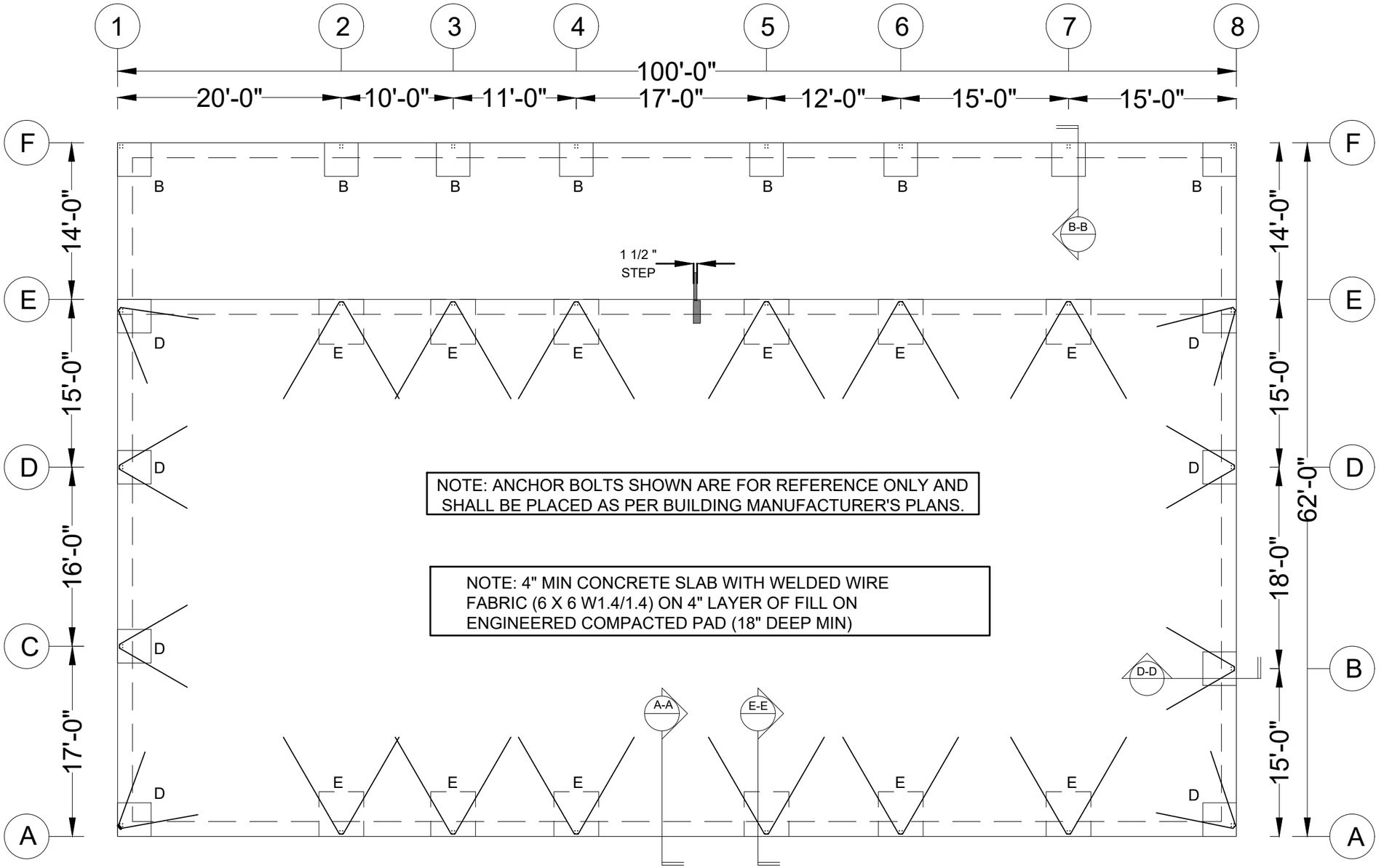
JOB # 25-11-346

R&A ENGINEERING LLC
211 Sand Ridge Lane
Nashville, GA 31639
randaengineeringllc@gmail.com

GEORGIA
REGISTERED
No. PE036165
PROFESSIONAL
ENGINEER
RANDY RATHBURN JR

SHEET NO. 1 OF 6

11/23/2025



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JOB # 25-11-346

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GEORGIA REGISTERED No. PE036165 PROFESSIONAL ENGINEER RANDY RATHBURN JR

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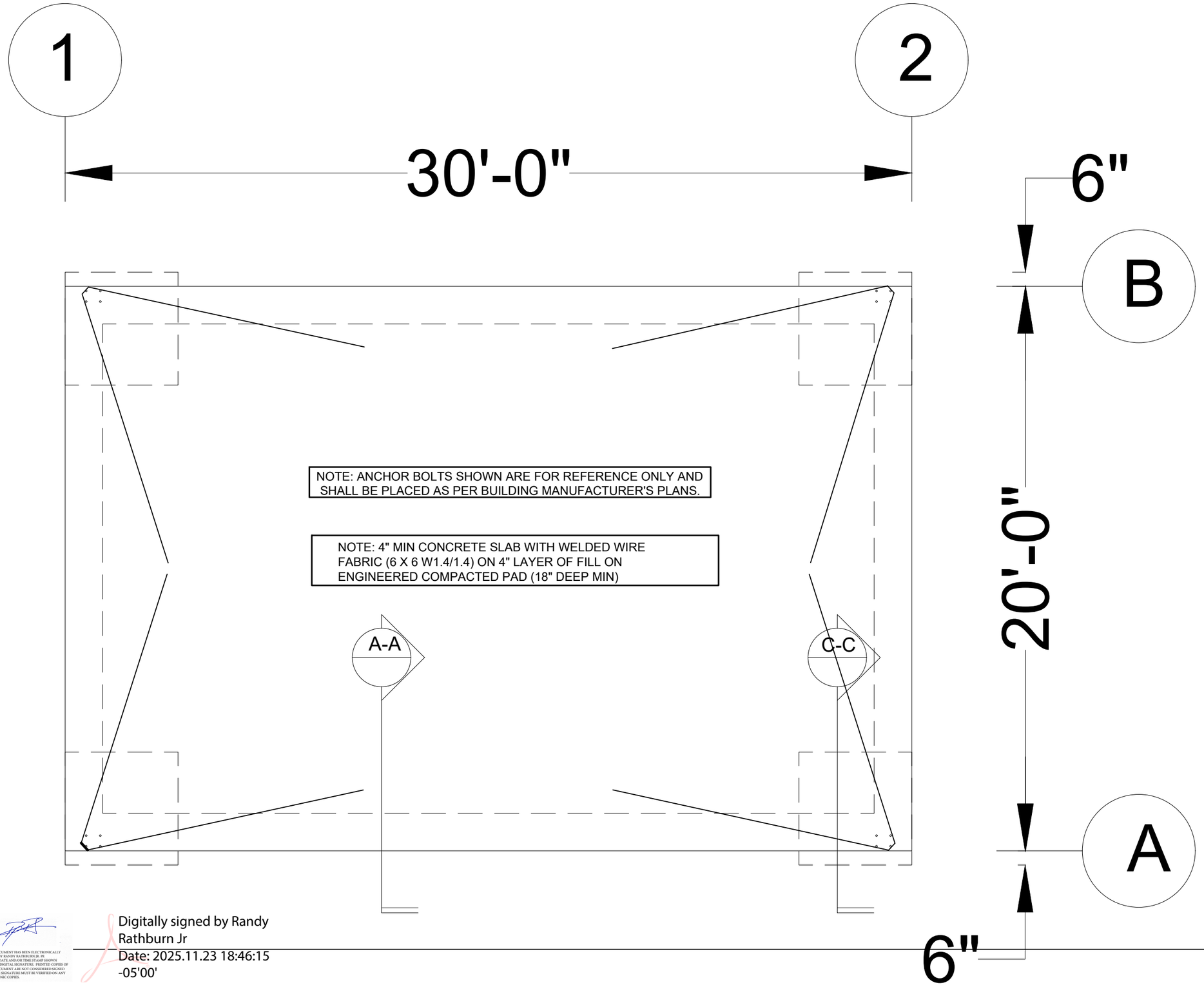

NOTE: ANCHOR BOLTS SHOWN ARE FOR REFERENCE ONLY AND SHALL BE PLACED AS PER BUILDING MANUFACTURER'S PLANS.

NOTE: 4" MIN CONCRETE SLAB WITH WELDED WIRE FABRIC (6 X 6 W1.4/1.4) ON 4" LAYER OF FILL ON ENGINEERED COMPACTED PAD (18" DEEP MIN)

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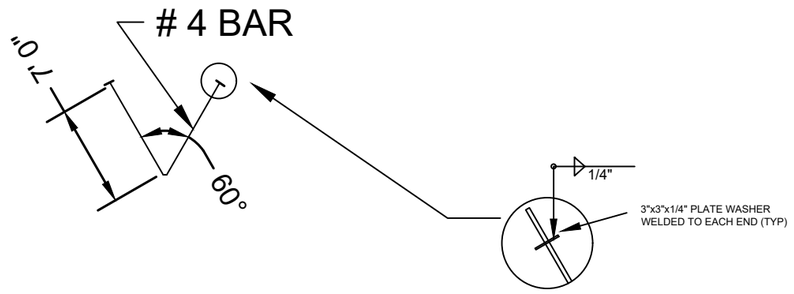
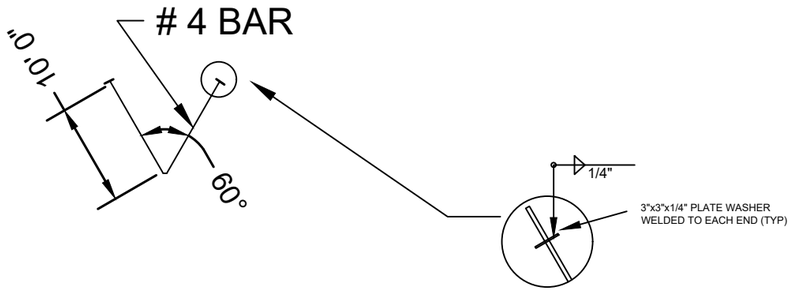
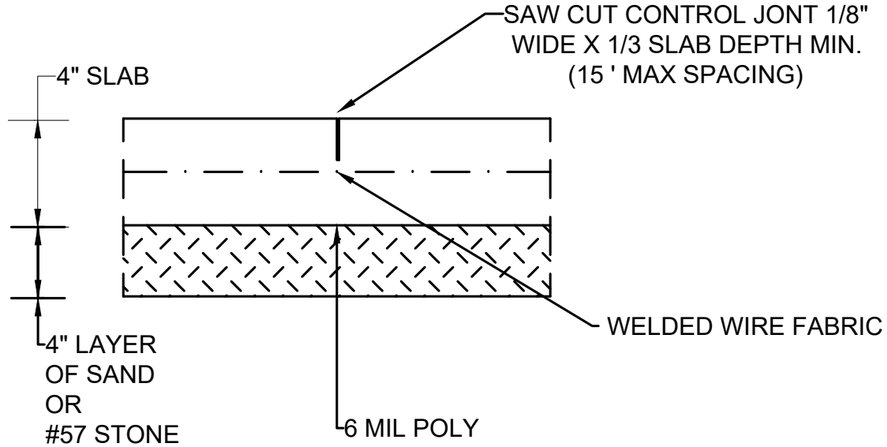
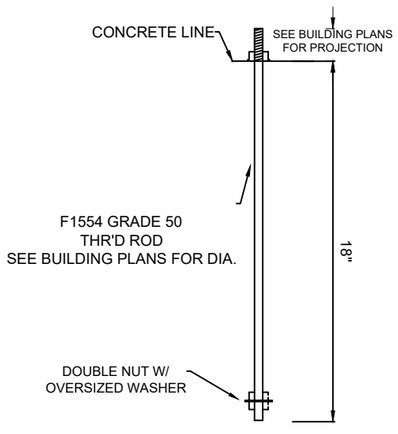


HAIRPIN DETAIL A

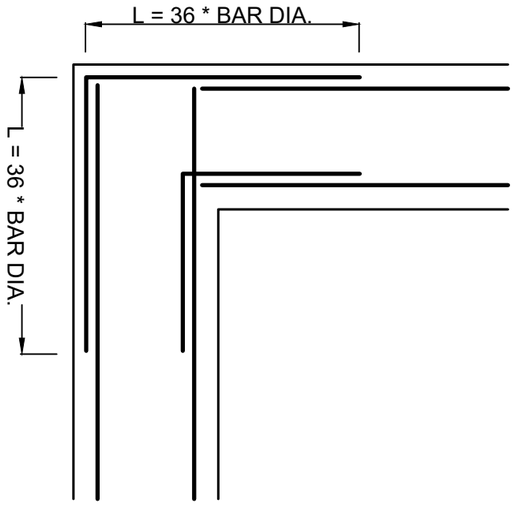


HAIRPIN DETAIL B





ANCHOR BOLT DETAIL



BAR SPLICE DETAIL

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FOUNDATION PLANS

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LOCATION: JESUP, GEORGIA

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SHEET NO. 4 OF 6
11/23/2025

FOOTING	SIZE (LXWXD)	REBAR REQ.	HAIRPIN REQ
B-B	3' X 3' X 2'	(4) #4 BARS TOP & BOTTOM EACH WAY EQ SP	NONE
C-C	4.5' X 4.5' X 2.5'	(6) #5 BARS TOP & BOTTOM EACH WAY EQ SP	SEE HAIRPIN DETAIL B
D-D	3' X 3' X 2'	(4) #4 BARS TOP & BOTTOM EACH WAY EQ SP	SEE HAIRPIN DETAIL A
E-E	4' X 4' X 2.5'	(6) #5 BARS TOP & BOTTOM EACH WAY EQ SP	SEE HAIRPIN DETAIL B

FOOTING SCHEDULE

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SHEET NO. 5 OF 6

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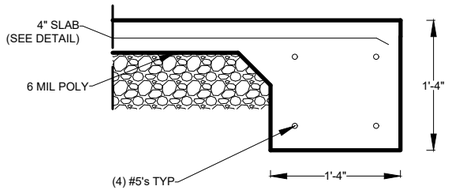
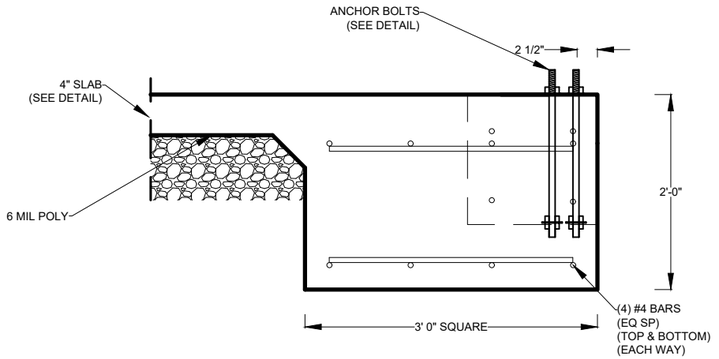
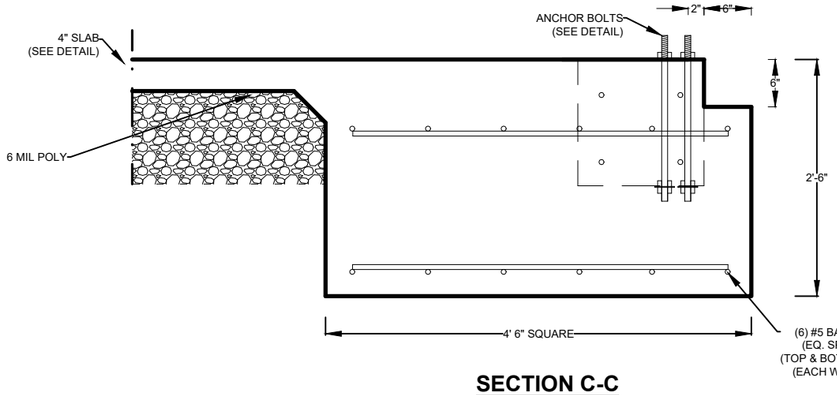


SECTION A-A



SECTION B-B



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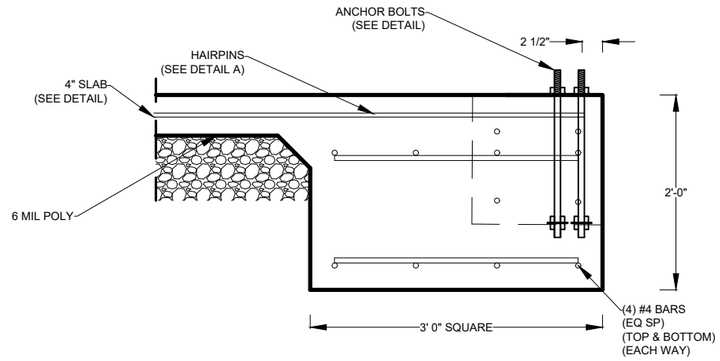

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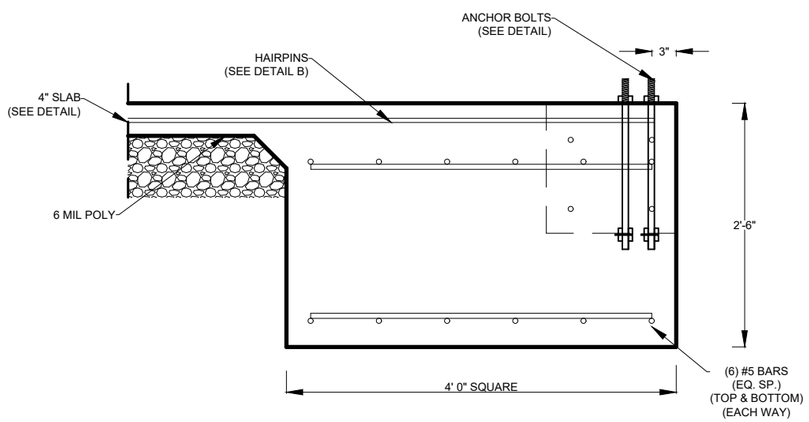

SECTION E-E

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