

	FOUNDATION NOTES	CONCRETE NOTES								
	1) DESIGN CRITERIA: THE GEOTECHNICAL REPORT PREPARED BY OLSSON, PROJECT NUMBER 025-04977, DATED 02/04/2026 PROVIDED CRITERIA FOR THE FOUNDATION DESIGN FOR THE PROJECT. 2) FOOTINGS: 2A) FOOTING DESIGN CRITERIA: - ALLOWABLE BEARING PRESSURE, COLUMN = 2,500 psf - ALLOWABLE BEARING PRESSURE, CONTINUOUS = 2,000 psf - MINIMUM CONTINUOUS FOOTING WIDTH = 2.5 ft - MINIMUM SPREAD FOOTING WIDTH = 3 ft - COEFFICIENT OF FRICTION TO RESIST LATERAL LOADS = 0.3 - FROST DEPTH TO BOTTOM OF FOUNDATION = 24 in 3) SITE PREPARATION: 3A) ALL EXISTING FILL MATERIAL BELOW BUILDING FOOTPRINT AND 5 FEET BEYOND BUILDING FOOTPRINT SHALL BE REMOVED DOWN TO SUITABLE NATIVE MATERIAL PER THE GEOTECHNICAL REPORT AND REPLACE WITH PROPERLY COMPACTED, MOISTURE CONDITIONED STRUCTURAL FILL MATERIAL. 3B) PROVIDE A MINIMUM OF 12" OF PROPERLY COMPACTED, MOISTURE CONDITIONED STRUCTURAL FILL MATERIAL BELOW SLAB ON GRADE. 3C) REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS	1) GENERAL: 1A) ALL WORK SHALL CONFORM WITH ACI 301-10, UNLESS NOTED OTHERWISE IN DRAWINGS OR PROJECT SPECIFICATIONS. 1B) DETAIL BARS IN ACCORDANCE WITH THE DRAWINGS, PROJECT SPECIFICATIONS, AND ACI PUBLICATION SP-66 (2004): "ACI DETAILING MANUAL" 2) REINFORCING MATERIALS: 2A) TYP REINFORCING: ASTM A615, Fy=60 KSI 2B) WELDED AND FIELD BENT REINFORCING: ASTM A706, Fy=60 KSI 2C) WELDED WIRE REINFORCING, SMOOTH: ASTM A1064, Fy=65 KSI 3) REINFORCING FABRICATION: 3A) SPLICES: - NO SPLICING OF REINFORCEMENT PERMITTED EXCEPT AS NOTED ON DRAWINGS. MAKE BARS CONTINUOUS AROUND CORNERS WHERE DETAIL NOT PROVIDED. WHERE PERMITTED, SPLICES MAY BE MADE BY CONTACT LAPS - SEE LAP SPLICE SCHEDULE FOR LAP LENGTHS. 3B) MISCELLANEOUS REINFORCING REQUIREMENTS: - PROVIDE ADDITIONAL BARS OR STIRRUPS REQUIRED TO SECURE REINFORCING IN PLACE DURING CONCRETE PLACEMENT. - MAKE ALL REINFORCING BAR BENDS IN THE FABRICATOR'S SHOP UNLESS NOTED. - NO WELDING OF REINFORCING PERMITTED UNLESS NOTED ON DRAWINGS. WHERE PERMITTED, PERFORM WELDING IN ACCORDANCE WITH AWS D1.4-2011. - PROVIDE ADDED REINFORCING TO TRIM ALL OPENINGS, NOTCHES, AND REENTRANT CORNERS AS NOTED IN TYPICAL DETAILS. 4) STRUCTURAL CONCRETE MIX REQUIREMENTS: 4A) SEE "CONCRETE MIX TABLE" 5) SLAB-ON-GRADE: 5A) TAKE PRECAUTIONS TO MINIMIZE SLAB CURLING. GRIND SLAB OR USE LEVELING COMPOUND IF FLOOR FLATNESS AND LEVELNESS VALUES ARE NOT ACCEPTABLE TO THE ARCHITECT. 6) NON-SHRINK GROUT: 6A) CONFORM TO ASTM C1107 6B) ACHIEVE 6000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. 7) PLACING REINFORCEMENT: 7A) REINFORCEMENT PROTECTION (COVER): - SEE 'REBAR COVER TABLE' - SEE ACI 117-10 FOR REINFORCEMENT PLACING TOLERANCES 7B) PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING AND WELDED WIRE REINFORCEMENT AT POSITIONS SHOWN ON PLANS. ALL REINFORCING, DOWELS, BOLTS, AND EMBEDDED PLATES SHALL BE SET AND TIED IN PLACE BEFORE THE CONCRETE IS POURED. "STABBING" INTO PREVIOUSLY PLACED CONCRETE IS NOT PERMITTED. 8) CONSTRUCTION/CONTROL JOINTS: 8A) SUBMIT DRAWINGS SHOWING CONSTRUCTION AND CONTROL JOINT LOCATIONS ALONG WITH THE SEQUENCE OF POURS. CONSTRUCTION JOINT LOCATIONS AND CASTING SEQUENCE SHALL BE ARRANGED TO MINIMIZE THE EFFECTS OF ELASTIC AND LONG-TERM SHORTENING/SHRINKAGE 8B) CONSTRUCTION JOINTS IN SLABS-ON-DECK, SLABS-ON-GRADE, AND STRUCTURAL SLABS SHALL BE LOCATED TO ACCOMMODATE THE MAXIMUM LENGTH AND AREA THE CONTRACTOR CAN REASONABLY POUR, FINISH, AND JOINT IN THE SAME DAY. 8C) CONCRETE CONSTRUCTION JOINT SURFACE SHALL BE CLEANED AND ALL LAITANCE AND LOOSE MATERIAL REMOVED PRIOR TO SECOND CONCRETE PLACEMENT. 9) MODIFICATIONS TO HARDENED OR EXISTING CONCRETE 9A) UNLESS NOTED ON THE STRUCTURAL DOCUMENTS MODIFICATIONS AS LISTED BELOW SHALL NOT BE MADE TO HARDENED OR EXISTING CONCRETE WITHOUT APPROVAL OF THE ARCHITECT: - SAW CUTTING - CORING - CHIPPING 9B) DO NOT CUT OR DAMAGE ANY REINFORCING WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER 10) SLEEVES, OPENINGS, AND EMBEDDED PIPE/CONDUITS: 10A) GENERAL - REFER TO TYPICAL DETAILS FOR SPACING AND LAYOUT LIMITATIONS FOR SLEEVES AND OPENINGS - FORM OPENINGS AND PROVIDE SLEEVES BEFORE PLACING CONCRETE, CORING OF CONCRETE IS NOT PERMITTED 10B) REINFORCING - REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS AT SLEEVES, OPENINGS OR CONDUIT - DO NOT CUT REINFORCING WHICH MAY CONFLICT								
	WOOD NOTES 1) SHEATHING: 1A) PLYWOOD: - CONFORM TO U.S. DEPARTMENT OF COMMERCE STANDARDS PS 1-10. <table><tr><th colspan="2">APA RATED SHEATHING</th></tr><tr><th>PANEL SPAN RATING</th><th>PANEL THICKNESS</th></tr><tr><td>32/16</td><td>15/32", 1/2"</td></tr><tr><td>40/20</td><td>19/32", 5/8"</td></tr></table>	APA RATED SHEATHING		PANEL SPAN RATING	PANEL THICKNESS	32/16	15/32", 1/2"	40/20	19/32", 5/8"	
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	DEFERRED SUBMITTAL NOTES 1) GENERAL: 1A) THE FOLLOWING PORTIONS OF THE STRUCTURAL DESIGN WILL NOT BE SUBMITTED AT THE TIME OF PERMIT APPLICATION. WHEN RECEIVED AND REVIEWED, THESE DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL BY THE CONTRACTOR: - PREFABRICATED BUILDINGS - METAL STAIRS - METAL RAILINGS - NON-LOAD BEARING INTERIOR COLD-FORMED FRAMING REQUIRING ENGINEERING - ANCHORAGE, BRACING, AND ATTACHMENT OF REQUIRED ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLERS, AND OTHER EQUIPMENT AND SYSTEMS 1B) CONNECTION OF DEFERRED SUBMITTAL ITEMS TO PRIMARY STRUCTURE BY DEFERRED SUBMITTAL SUPPLIER. DEFERRED SUBMITTAL SUPPLIER TO PROVIDE CONNECTIONS AND FRAMING ARRANGEMENT TO AVOID LOADING WHICH EXCEEDS THE CAPACITY OF THE ELEMENT BEING ATTACHED TO. GC COORDINATE LOADING FROM DEFERRED SUBMITTAL ITEMS WITH PRE-ENGINEERED METAL BUILDING SUPPLIER / DESIGNER. 1C) ALL DEFERRED SUBMITTALS TO BE ATTACHED TO PRIMARY STRUCTURE WITH A PINNED CONNECTION. MOMENT CONNECTIONS TO PRIMARY STRUCTURE NOT PERMITTED. 1D) LOADING AND LOCATION FOR ATTACHMENT OF DEFERRED SUBMITTAL ITEMS ARE NOTED ON DRAWINGS AND ARE NOT TO BE RE-LOCATED OR INCREASED WITHOUT WRITTEN APPROVAL.									

CONCRETE MIX TABLE						
INTENDED USE	28 DAY STRENGTH f'c (KSI)	CONC WEIGHT	MAX W/C RATIO, INCLUDING FLY ASH	MAX AGGREGATE SIZE, IN (ASTM C33)	TOTAL AIR CONTENT (%), NOTE 4	OTHER REQTS
FOOTINGS	4	NWC	0.50	1 (#57)	-	-
INTERIOR SLAB ON GRADE	4	NWC	0.50	3/4 (#67)	NP	-

- CONCRETE MIX TABLE NOTES:**
- 1) CONCRETE MIX DESIGNS ARE A PERFORMANCE SPECIFIED ITEM DESIGNED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A CONCRETE MIX MEETING THE PERFORMANCE REQUIREMENTS SPECIFIED IN THE "CONCRETE MIX TABLE" IN ADDITION TO THE REQUIREMENTS BELOW
- 2) PROPORTIONS OF MATERIALS IN CONCRETE MIXES SHALL BE ESTABLISHED TO:
- 2A) PROVIDE THE MINIMUM COMPRESSIVE STRENGTH AS INDICATED IN THE MIX TABLE. DO NOT EXCEED THE MAXIMUM WATER-CEMENT RATIO
- 2B) PROVIDE WORKABILITY AND CONSISTENCY FOR SLAB FINISHING AND TO PERMIT CONCRETE TO BE WORKED READILY INTO FORMS AND AROUND REINFORCEMENT UNDER CONDITIONS OF PLACEMENT TO BE EMPLOYED WITHOUT SEGREGATION OR EXCESSIVE BLEEDING. CONTRACTOR SHALL SELECT APPROPRIATE SLUMP. USE ADMIXTURES AS REQUIRED TO OBTAIN DESIRED RESULTS
- 2C) FOR CONCRETE PLACED BY PUMPING, PROVIDE CONCRETE MIX FLOWABILITY TO FACILITATE PUMPING. ENTRAINED AIR MAY BE USED TO FACILITATE PUMPING SUBJECT TO THE PROVISIONS OF NOTE 4 BELOW
- 3) FOR THE MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS PER ASTM C33:
- 3/4": #67 AGGREGATE
 - 1": #57 AGGREGATE
- 4) WHERE AIR CONTENT IS INDICATED IN THE MIX TABLE, PROVIDE AIR ENTRAINING ADMIXTURE TO MEET THE SPECIFIED AIR PERCENTAGE. TOTAL AIR CONTENT LIMITS INCLUDE BOTH ENTRAINED AND ENTRAPPED AIR ±1 1/2%. "NP" IN COLUMN INDICATES ADDITION OF ENTRAINED AIR IS NOT PERMITTED EXCEPT WHERE CONTRACTOR CAN DEMONSTRATE SLABS WITH ENTRAINED AIR WILL HAVE A FINISH ACCEPTABLE TO THE ARCHITECT WITHOUT BLISTERS. AIR CONTENT NOTED IS BASED ON 3/4" AGGREGATE.
- 5) USE PORTLAND CEMENT TYPE III OR BLENDED HYDRAULIC CEMENT ASTM C595 TYP II.

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 19889
BENJAMIN W DOWNEY
05-08-2026

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GENERAL NOTES

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5/08/2026 62425