

§ - DENOTES STRUCTURAL LINE  
 F<sub>C</sub> - DENOTES FACE OF COLUMN  
 B - DENOTES BLOCK LINE  
 C - DENOTES CENTER LINE

**METAL BUILDING LEGEND**  
1" = 1'-0"

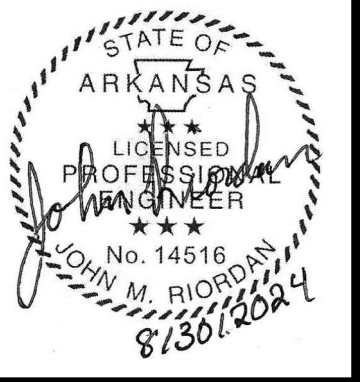
**PRE-ENGINEERED METAL BUILDING NOTES**

1. DETAILING, FABRICATION, AND ERECTION, SHALL CONFORM TO THE AISC STEEL CONSTRUCTION MANUAL, LATEST EDITION.
2. ALL WELDS TO BE MADE BY CERTIFIED WELDERS TO AWS STANDARDS WITH E70 ELECTRODES AND MEET THE REQUIREMENTS OF THE IBC 2021 SECTION 2204.1.
3. UNLESS NOTED OTHERWISE, ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GRADE 55 SUPPLEMENT 1.
4. DO NOT USE CABLES FOR X-BRACING. PROVIDE RODS OR HEAVIER MEMBER FOR ALL PROVIDED X-BRACES.
5. ROOF AND WALL OPENING FRAMES TO BE PROVIDED BY THE METAL BUILDING SYSTEM PROVIDER.
6. ALL STEEL SHALL BE PRIMED AND PAINTED PER SPECIFICATIONS.
7. PRE-ENGINEERED BUILDING SHALL BE DESIGNED TO RESIST THE DESIGN LOADS AS REQUIRED BY THE 2021 ARKANSAS FIRE PREVENTION CODE (IBC, 2021) AND AS SHOWN UNDER THE STRUCTURAL DESIGN CRITERIA ON S0.1 SHEET.
8. PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL SUBMIT CALCULATIONS, INCLUDING COLUMN REACTIONS AND DEFLECTIONS TO THE FOUNDATION ENGINEER FOR APPROVAL. CALCULATIONS SHALL BE STAMPED BY AN PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS.
9. ALLOWABLE DEFLECTION IS AS FOLLOWS:
  - A. ALLOWABLE DEFLECTION OF ROOF MEMBERS LIVE LOAD - L/360 & (TOTAL LOAD) - L/180.
  - B. ALLOWABLE DEFLECTION OF WALL GIRTS (TOTAL LOAD) - L/180
  - C. ALLOWABLE STORY DRIFT USING DESIGN WIND LOAD AND/OR CRANE LATERAL LOAD - H/200 WITH 2" MAXIMUM.
  - D. ALLOWABLE SEISMIC STORY DRIFT SHALL BE ACCORDING TO TABLE 12.12-1, ASCE 7-16

**1 ROOF FRAMING PLAN**  
3/16" = 1'-0"

ONE INCH AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

REVISION	DATE



**HAWKINS WEIR ENGINEERS, INC.**  
**CSE CORNERSTONE** STRUCTURAL ENGINEERING, INC.

ROGERS, ARKANSAS  
ROGERS POLLUTION CONTROL FACILITY (PCF)  
SOLIDS HANDLING IMPROVEMENTS, PHASE II  
**MAINTENANCE BUILDING BUILDING ROOF FRAMING PLAN**  
ROGERS WATER UTILITIES

DATE: AUGUST 2024  
SCALE: As indicated  
DESIGNED BY: JMR  
DRAWN BY: TPL  
HWEI NO.: 2020043  
FILENAME: SB-05

SHEET NO. **SB-05**