PRE-ENGINEERED METAL BUILDING NOTES

- 1. CONSTRUCTION MANUAL, LATEST EDITION. 2
- 3. SUPPLEMENT 1.
- 4. BRACING TO ENSURE GOOD BRACING FOR THE OVERHEAD BRIDGE CRANE. 5.
- PROVIDER. ROOF PURLINS SHOWN AT TYPICAL SPACING, METAL BUILDING ACCOMMODATE FOR ROOF PENETRATIONS. 6.
- MORE MEMBERS ARE GALVANIZED. 7.
- OVERHEAD CRANES UTILIZING UNDER RUNNING TROLLEY HOIST.

8.

14.

- UNDER THE STRUCTURAL DESIGN CRITERIA ON S0.1 SHEET. 9. ACCOMMODATE A TEMPERATURE DIFFERENTIAL OF 100°F.
- 10. REGISTERED IN THE STATE OF ARKANSAS.
 - SCREW CONVEYOR MOTOR LOAD = 1,300 LBS
 - CRANE) SPAN = 60'
 - LIFTING LOAD = 3 TON WEIGHT OF BRIDGE = 14,500 LBS WEIGHT OF TROLLEY & HOIST = 1,500 LBS
 - CRANE DRIVE GROUP = CMAA C VERTICAL IMPACT = 25% PER ASCE 7-16 HORIZONTAL LOAD = 20% PER ASCE 7-16
- LONGITUDINAL LOAD = 10% PER ASCE 7-16 MAXIMUM BUMPER FORCE OF 6,000 LBS FOR EACH RAIL 13. ALLOWABLE DEFLECTION IS AS FOLLOWS: (SEE SPECIFICATION)
 - PRIMARY FRAMING MEMBERS: TOTAL LOAD L/360 Α. SECONDARY FRAMING MEMBERS: TOTAL LOAD - L/240 METAL PANELS, TOTAL LOAD - L/240
 - 2" USING DESIGN WIND LOAD OR CRANE LATERAL LOAD ALLOWABLE DEFLECTION FOR THE BRIDGE CRANE RUNWAY BEAMS
 - VERTICAL L/600 FOR UNDERHUNG CMAA CLASS C.
- HORIZONTAL L/400 FOR ALL CMAA CLASSES

