PRE-ENGINEERED BUILDING:

- Design and fabricate building according to SBCCI, AISC, MBMA and AISI latest specifications.
- Provide column depth to comply with architectural constraints. See Architectural Plans.
- Design Roof to support all curb mounted mechanical units, see mechanical plans for weight, provide all needed for support and flashing of roof curbs.
- Provide calculations stamped by an engineer registered in the state of Arkansas.
- Provide for 7 psf superimposed roof dead load.
- Metal building manufacturer shall provide a complete system including Porte Cochere, canopies, wall system eave girts, rake girts, etc..
- The Metal Building Manufacturer shall be AISC Certified.
- Submit metal building column reactions with rebar shop drawings for final foundation system check.
- Metal building manufacturer shall be in possession of entire A/E set for architectural constraints and structural and mechanical loads.
- Metal building manufacturer shall provide for support of hanging of M E P and Observation Platform.

MISC.STRUCTURAL STEEL

1. TOLERANCE REQUIREMENTS – STRUCTURAL DRAWINGS INDICATE MISCELLANEOUS STEEL ELEMENTS SUCH AS SHELF ANGLES, LINTELS, SUPPORT MEMBERS FOR CURTAIN WALLS OR MASONRY, AND EDGE ANGLES FOR OPENINGS AND PERIMETER CONDITIONS WHICH ARE INTENDED TO SUPPORT OR BE COORDINATED WITH MATERIALS FURNISHED BY OTHER TRADES. IT IS THE INTENT OF THESE DRAWINGS THAT THESE ELEMENTS BE FIELD ATTACHED BY FIELD WELDING OR BOLTING TO MEET THE TOLERANCES REQUIRED BY OTHER TRADES, WHICH MAY BE MORE STRINGENT THAN A.I.S.C. TOLERANCES FOR STRUCTURAL STEEL. CONTRACTOR SHALL COORDINATE TRADES AND FIELD INSTALL MISCELLANEOUS STEEL ELEMENTS AND THE STRUCTURAL STEEL FRAME TO COMPLY WITH THE TOLERANCE CRITERIA FOR PROPER INSTALLATION OF MATERIALS BY OTHER TRADES.
2. STRUCTURAL STEEL MATERIAL SHALL CONFORM TO THE FOLLOWING DESIGNATIONS:

WIDE FLANGE (W) SHAPES AND TEES	A 992 (50 KSI YIELD)
OTHER ROLLED SHAPES, PLATES AND RODS	A 36 (36 KSI YIELD)
STRUCTURAL TUBES	A 500, GRADE B (46 KSI YIELD)
BOLTS FOR CONNECTIONS	A 325N
ANCHOR BOLTS	A 307
WELDING ELECTRODES	E 70 XX
GALVANIZING	A 123 / A 123 M

3. TEMPORARY CONSTRUCTION BRACING OF STRUCTURAL STEEL FRAME SHALL REMAIN IN PLACE UNTIL AFTER ALL PERMANENT BRACING COMPONENTS HAVE BEEN COMPLETED.
4. CONNECT MISCELLANEOUS STEEL MEMBERS USING FILLET WELDS SUFFICIENT TO DEVELOP THE TENSILE STRENGTH OF THE SMALLER MEMBER AT THE JOINT UNLESS SHOWN OTHERWISE.
5. ALL STEEL SHALL BE FURNISHED WITH SHOP COAT OF RUST INHIBITIVE PRIMER.
6. ALL WELDING SHALL PERFORMED BY WELDERS CERTIFIED WITHIN THE LAST 6 MONTHS.
7. ALL FIELD PENETRATION WELDS SHALL BE TESTED.
8. ALL FIELD WELDS SHALL BE ON "BARE METAL TO BARE METAL". GRIND ALL PAINT AND IRON OXYDE PAINT.