DESIGN CRITERIA

1. GOVERNING BUILDING CODE USED IN DESIGN: 2006 INTERNATIONAL BUILDING CODE

2. LIVE LOADS: NEW COOLING TOWER OPERATING WEIGHT = 20,000 LBS.

GENERAL NOTES

1. GENERAL:
   1A. NOTES ON THIS SHEET SERVE AS THE PROJECT SPECIFICATIONS.
   1B. DO NOT SCALE DRAWINGS.

2. EXISTING STRUCTURES:
   2A. CONTRACT DOCUMENTS HAVE BEEN PREPARED USING AVAILABLE DRAWINGS AND SITE OBSERVATION AS PERMITTED BY ACCESS RESTRICTIONS DURING DESIGN.
   2B. DURING CONSTRUCTION, THE CONTRACTOR MAY ENCOUNTER EXISTING CONDITIONS WHICH ARE NOT NOW KNOWN OR ARE AT VARIANCE WITH PROJECT DOCUMENTATION (DISCOVERY).

3. TEMPORARY CONDITIONS:
   3A. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR’S CONSTRUCTION METHODS AND SEQUENCES.

4. SUBMITTALS AND SUBSTITUTIONS:
   4A. THE FOLLOWING SUBMITTALS ARE REQUIRED:
   4B. SUBSTITUTIONS: IF THE CONTRACTOR REQUESTS A CHANGE FROM THE STRUCTURAL DRAWINGS, IT SHALL BE APPROVED BY THE ENGINEER AND DESIGNED BY MARTIN/MARTIN, INC. CONTRACTOR SHALL COMPENSATE MARTIN/MARTIN, INC. FOR MAKING THE CHANGE.
   4C. NONCONFORMANCE: NOTIFY ARCHITECT OF CONDITIONS NOT CONSTRUCTED PER THE CONTRACT DOCUMENTS PRIOR TO PROCEEDING WITH CORRECTIVE WORK. SUBMIT PROPOSED REPAIR TO THE ARCHITECT FOR ACCEPTANCE. CONTRACTOR SHALL COMPENSATE MARTIN/MARTIN, INC. FOR DESIGNING THE REPAIR.

TESTING & INSPECTION NOTES

1. SPECIAL INSPECTION:
   1A. COORDINATE TESTING AND SPECIAL INSPECTIONS WITH THE UNIVERSITY’S TESTING AGENCY FOR THE FOLLOWING:

STEEL NOTES

1. CONNECTIONS:
   1A. PROVIDE CONNECTIONS AS SHOWN IN THE DETAILS.

2. WELDING REQUIREMENTS:
   2A. WELDERS: HAVE IN POSSESSION CURRENT EVIDENCE OF PASSING THE APPROPRIATE A.W.S. QUALIFICATION TESTS.
   2B. MINIMUM WELDS: AISC SPECIFICATION, NOT LESS THAN 3/16” FILLET, CONTINUOUS UNLESS OTHERWISE NOTED.
   2C. WELD SIZES AND LENGTHS CALLED FOR ON THE DRAWINGS ARE THE NET EFFECTIVE REQUIRED. INCREASE WELD SIZE IF GAPS EXIST AT THE FAYING SURFACE.

3. STRUCTURAL MATERIAL:
   3A. W-BEAMS: ASTM A992, GR 50.

4. MATERIAL FINISHES:
   4A. STEEL FRAMING: GALVANIZED, G60.

KEY NOTES

1. CONSTRUCTION:
   1A. PROGRESS DRAWINGS SHOULD SHOW ALL WORK DONE AT EACH INTERMEDIATE STAGE TO DATE. DRAWINGS SHOULD BE REVISED ACCORDINGLY.
   1B. CONTRACTOR IS RESPONSIBLE FOR REVISIONS.

2. DIMENSIONS:
   2A. DIMENSIONS SHOWN ARE FOR DIMENSIONAL CHECKS ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.

3. MATERIALS:
   3A. ALL MATERIALS TO BE SUPPLIED BY CONTRACTOR.

4. HATCHING:
   4A. HATCHING INDICATES MATERIAL OR FINISH.

5. HATCHING COVERS MATERIAL OR FINISH.

PARTIAL PENTHOUSE ROOF FRAMING PLAN AT COOLING TOWER(S)