

REVISION	COMMENTS

**UNIVERSITY OF SOUTH FLORIDA  
 SOUTH EAST CHILLER PLANT  
 BR-590 COMPONENT #6**

12225 USF MAPLE DRIVE  
 TAMPA, FLORIDA 33620

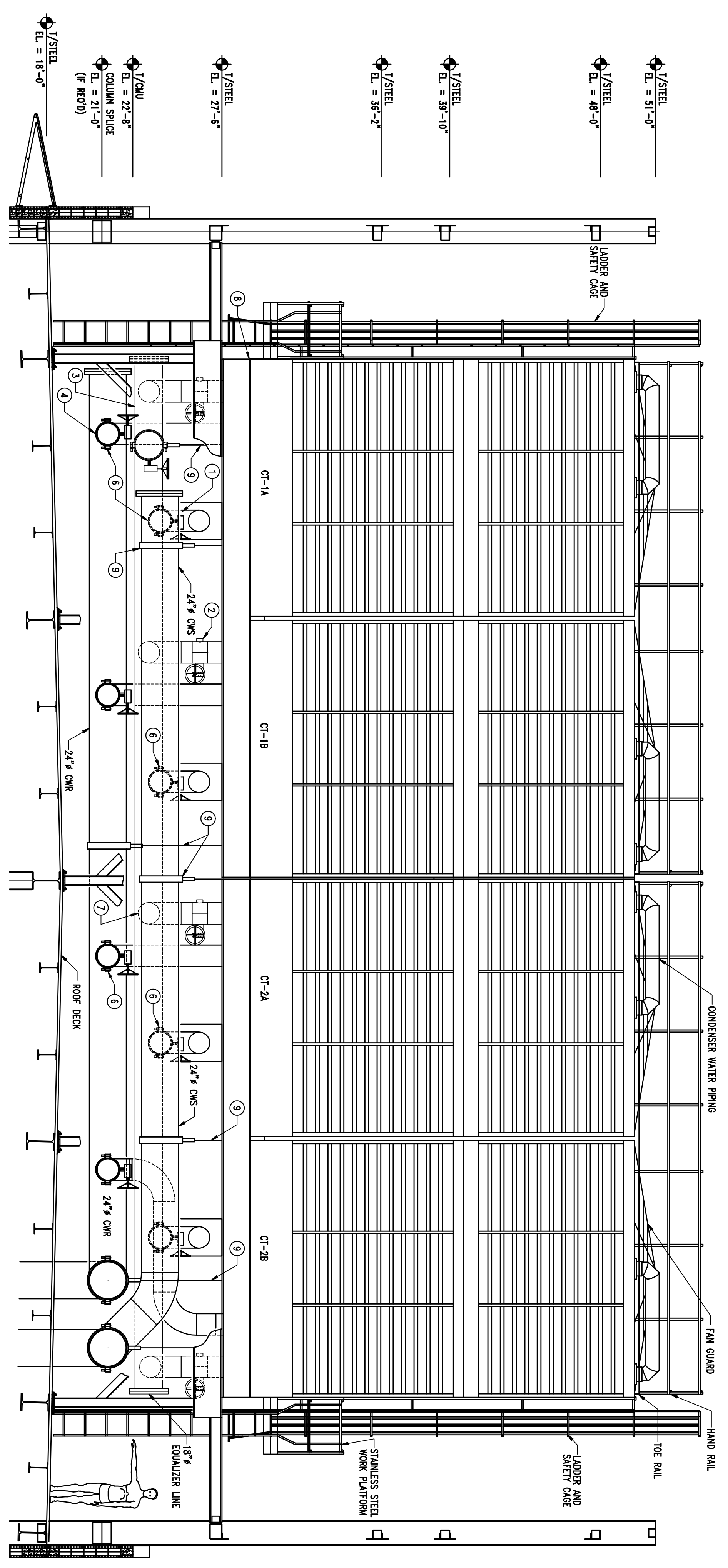
DRAWING TITLE :  
**CROSS FLOW COOLING TOWER SECTION**

Drawing Progress: 100% CONSTRUCTION DOCUMENTS

FILE NAME: 081106\_M-15-15.dwg  
 DATE: 03-31-2009  
 PLOT SIZE: AS NOTED  
 CADD BY: RBS  
 DESIGNED BY: TSH  
 CHECKED BY: TSH

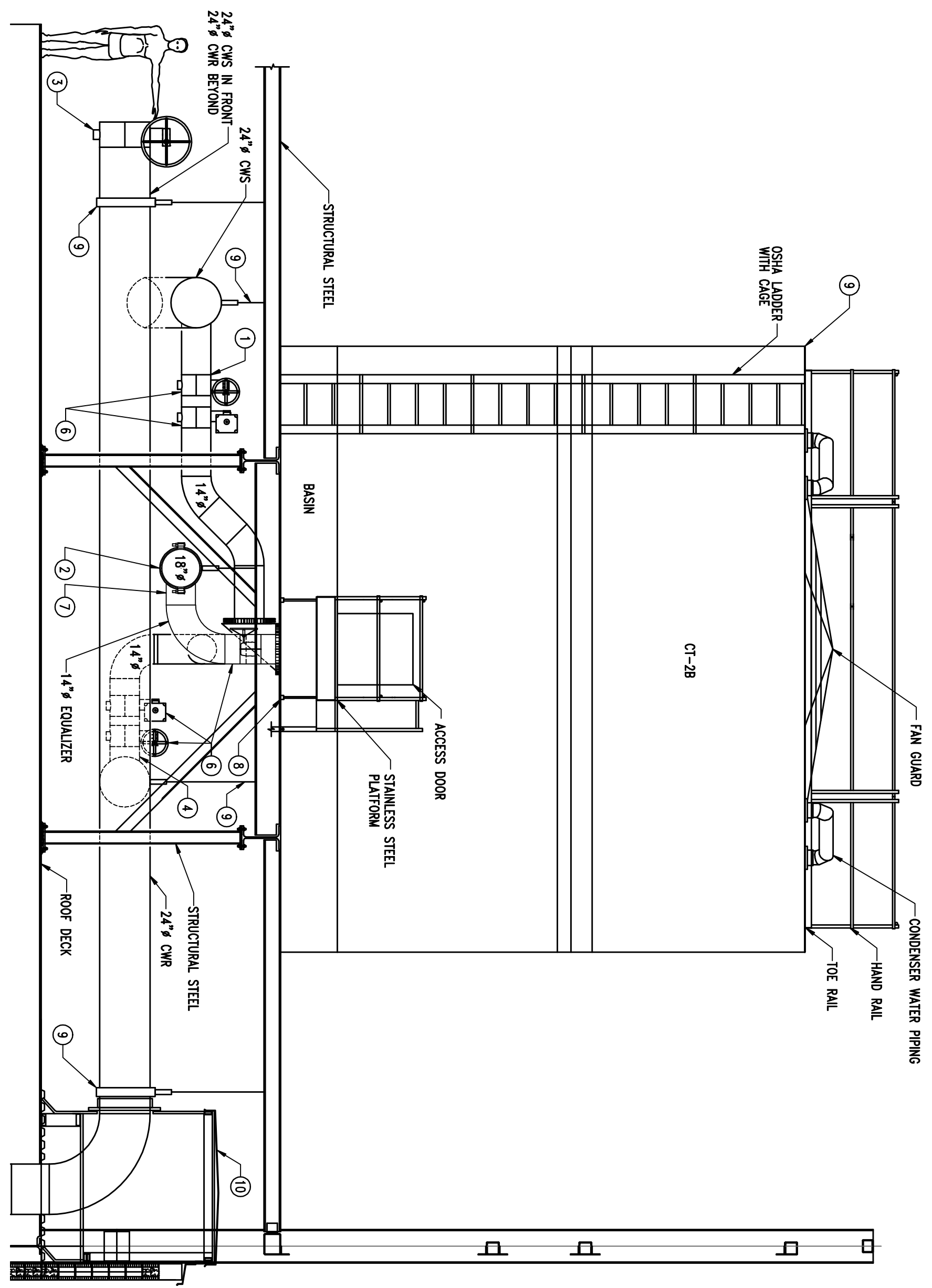
PROJECT NO.  
 081106

SHEET NO.  
 M-15



**CROSS FLOW COOLING TOWER SECTION**  
 SCALE: 1/4"=1'-0"

5  
 9 | 15



**CROSS FLOW COOLING TOWER SECTION**  
 SCALE: 1/4"=1'-0"

6  
 9 | 15

- MECHANICAL NOTES:**
- ROUTE CWS FROM SIDE OF CWS HEADER TO SIDE OF CONNECTION BOX AT BOTTOM OF COOLING TOWER.
  - THE EACH EQUALIZER LINE AT SIDE OF MAIN EQUALIZER PIPING.
  - PROVIDE A VALVE AND BLIND FLANGE FOR FUTURE CONNECTIONS.
  - ROUTE CWS FROM SIDE OF CWS HEADER TO BOTTOM OF COOLING TOWER.
  - PROVIDE A BLIND FLANGE.
  - PROVIDE SHUT-OFF VALVE AND CONTROL VALVES IN EACH CONDENSER WATER SUPPLY AND RETURN PIPING.
  - PROVIDE SHUT-OFF VALVE IN EACH EQUALIZER LINE TAKE-OFF.
  - FOR MAKE-UP WATER, OVERFLOW DRAIN, AND BLOW DOWN SEE PLUMBING DRAWINGS.
  - PROVIDE TRAPEZE PIPE HANGERS TO SUPPORT CONDENSER WATER PIPING. SEE MECHANICAL AND STRUCTURAL DRAWINGS FOR DETAILS.
  - DO NOT HOIST ENCLOSURE OVER OVER PIPE ELBOW WITH CLIBB AT PIPE PENETRATION. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.

- 1/STEEL EL. = 51'-0"
- 1/STEEL EL. = 48'-0"
- 1/STEEL EL. = 39'-10"
- 1/STEEL EL. = 36'-2"
- 1/STEEL EL. = 27'-9"
- 1/STEEL EL. = 22'-8"
- 1/STEEL EL. = 21'-0"
- 1/STEEL EL. = 18'-0"