

DEAN S. KENYON, P.E.  
 FL LIC. No. 44072

Signature \_\_\_\_\_ Date \_\_\_\_\_

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

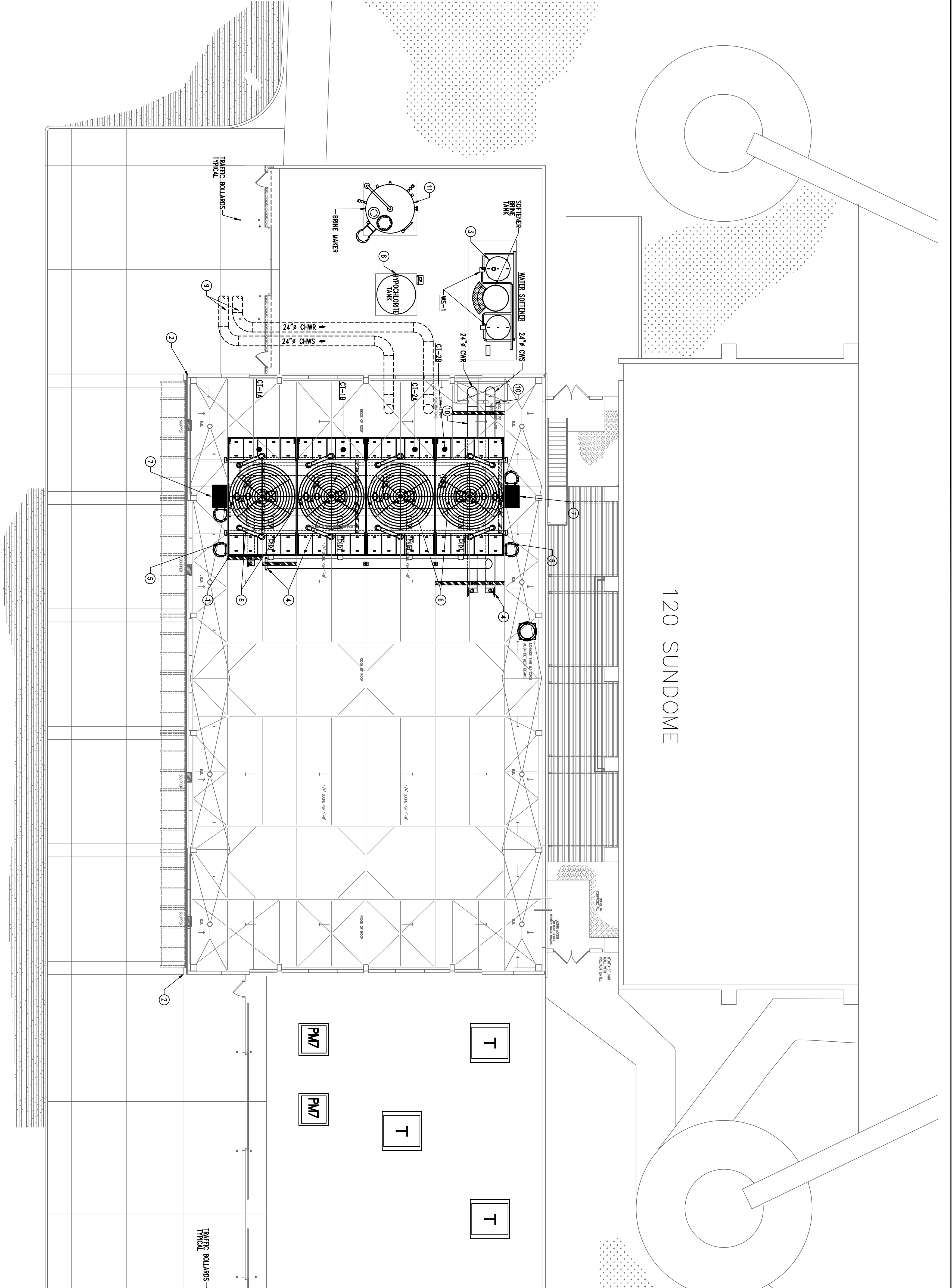
12225 USF MAPLE DRIVE  
 TAMPA, FLORIDA 33620

DRAWING TITLE :  
**MECHANICAL CHILLER PLANT YARD  
 CROSS FLOW COOLING TOWER  
 BASE BID**

Drawing Progress: 100% CONSTRUCTION DOCUMENTS

TITLE NAME: 081106\_M-2JMG  
 DATE: 03-31-2008  
 PLOT SIZE: AS NOTED  
 CALOBER BY: SKM  
 DESIGNED BY: TSH  
 CHECKED BY: TSH  
 PROJECT NO.  
 081106  
 SHEET NO.

- MECHANICAL NOTES:**
- MECHANICAL CONTRACTOR TO INSTALL NEW, OWNER FURNISHED CROSS FLOW COOLING TOWERS, EACH WITH ITS OWN BASIN AND MOTOR INSIDE OF THE AIR STREAM.  
 SEE ARCHITECTURAL FOR CONSTRUCTION NOTES.
  - CONSTRUCTION MANAGER SHALL PROVIDE BUILDING FOR NEW CHILLER PLANT.  
 SEE ARCHITECTURAL FOR CONSTRUCTION NOTES.
  - MECHANICAL CONTRACTOR TO INSTALL RETURNTUBED, OWNER FURNISHED WATER SOFTENER FOR MAKE-UP WATER TO EACH COOLING TOWER AND CHEMICAL SINKS. SEE MECHANICAL EQUIPMENT YARD LAYOUT FOR DETAILS.
  - MECHANICAL CONTRACTOR TO ROUTE CONDENSER WATER PIPING ON COOLING TOWER SUPPORT STRUCTURE. HANG CONDENSER WATER PIPING FROM STEEL SUPPORT FOUNDATION. SEE STRUCTURAL DRAWINGS FOR FOUNDATIONS AND SUPPORTS.
  - MECHANICAL CONTRACTOR TO INSTALL NEW OSHA APPROVED LADDERS FOR COOLING TOWER. LADDER SHALL BE FURNISHED BY THE COOLING TOWER MANUFACTURER.
  - MECHANICAL CONTRACTOR SHALL INSTALL ALL CONDENSER WATER CONNECTIONS BELOW THE COOLING TOWER. COORDINATE EXACT LOCATION AND TE-IN POINTS WITH CM CONTRACTOR.
  - MECHANICAL CONTRACTOR TO INSTALL NEW OSHA APPROVED ACCESS PLATFORM AND LADDER FOR COOLING TOWER. ACCESS PLATFORM AND LADDER SHALL BE FURNISHED BY THE COOLING TOWER MANUFACTURER.
  - GENERAL CONTRACTOR TO PROVIDE ROUGH WALL, CHANGING GENERAL TANK MADE OF 1/2" RESISTANT REBAR. ALL STRUCTURE SHALL BE CONCRETE. ALL STRUCTURE SHALL BE PLACED ON CONCRETE PAD. SEE STRUCTURAL FOR CONCRETE PAD DETAILS.
  - MECHANICAL CONTRACTOR SHALL ROUTE NEW 24" PRE-INSULATED CHILLED WATER SUPPLY AND RETURN PIPING UNDERGROUND. COORDINATE EXACT LOCATION AND TE-IN POINTS WITH CM AND MECHANICAL CONTRACTOR.
  - MECHANICAL CONTRACTOR SHALL INSTALL OWNER FURNISHED USED BRINE MAKER. SEE MECHANICAL EQUIPMENT YARD LAYOUT FOR DETAILS.



**MECHANICAL CHILLER PLANT YARD  
 CROSS FLOW COOLING TOWER**

SCALE: 3/32"=1'-0"

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