



MECHANICAL CROSS FLOW COOLING TOWER LAYOUT
 SCALE: 1/4"=1'-0"

MECHANICAL NOTES:

- ① MECHANICAL CONTRACTOR TO ROUTE CONDENSER WATER SUPPLY AND RETURN PIPING DOWN TO CHILLER PLANT FROM ROOF MOUNTED COOLING TOWERS.
- ② MECHANICAL CONTRACTOR TO ROUTE EQUALIZER LINE ABOVE ROOF AND BELOW COOLING TOWER.
- ③ MECHANICAL CONTRACTOR TO TIE EACH EQUALIZER LINE AT SIDE OF MAIN EQUALIZER PIPING.
- ④ MECHANICAL CONTRACTOR TO PROVIDE A VALVE AND BOND FLANGE FOR FUTURE CONNECTIONS.
- ⑤ MECHANICAL CONTRACTOR TO ROUTE CWR PIPING FROM SIDE OF MAIN PIPING TO BOTTOM OF COOLING TOWER.
- ⑥ PROVIDE SHUT-OFF VALVE AND CONTROL VALVES IN EACH CONDENSER WATER SUPPLY AND RETURN PIPING.
- ⑦ PROVIDE SHUT-OFF VALVE IN EACH EQUALIZER LINE TAKE-OFF FOR MAKE-UP WATER OVERFLOW DRAIN, AND BLOW DOWN SEE PLUMBING DRAWINGS.
- ⑧ PROVIDE TRAPEZE HANGERS TO SUPPORT CONDENSER WATER PIPING. SEE STRUCTURAL DRAWINGS FOR DETAILS.
- ⑨ MECHANICAL CONTRACTOR TO ROUTE CWS PIPING FROM SIDE OF MAIN PIPING TO SIDE OF INLET BOX AT BOTTOM OF COOLING TOWER.
- ⑩ MECHANICAL CONTRACTOR TO INSTALL NEW OSHA APPROVED LADDER FOR COOLING TOWER. ACCESS PLATFORM AND LADDER SHALL BE FURNISHED BY THE COOLING TOWER MANUFACTURER.
- ⑪ 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.
- ⑫ 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.
- ⑬ STRUCTURAL FRAMING BETWEEN COOLING TOWER AND SCREEN WALLS (TYP.)

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REVISION	COMMENTS

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

12225 USF MAPLE DRIVE
 TAMPA, FLORIDA 33620

DRAWING TITLE :
**MECHANICAL CROSS FLOW
 COOLING TOWER
 LAYOUT**

Drawing Progress: 100% CONSTRUCTION DOCUMENTS

TITLE NAME:	081106_M-4-10.DWG
DATE:	03-31-2009
PLANT SIZE:	AS NOTED
DRAWN BY:	SM
DESIGNED BY:	ISH
CHECKED BY:	ISH
PROJECT NO.:	081106
SHEET NO.:	M-9