

**01 SITE PLAN**  
SCALE: 1" = 40'-0"

**GENERAL INFORMATION**

THE MARY KAY NOC/COMPUTER ROOM REQUIRES THE ADDITION OF TWO NEW COOLING TOWERS TO PROVIDE COOLING TO THE EXISTING COMPUTER ROOM AIR CONDITION UNITS AND HEAT PUMPS, AND PROVIDE REDUNDANCY IN THE EVENT OF TOWER OR PUMP FAILURES.

THE PROJECT CONSISTS OF INSTALLING TWO NEW COOLING TOWERS AND CONDENSER WATER PUMPS INSIDE A NEW COOLING TOWER ENCLOSURE AND MODIFYING THE EXISTING CONDENSER WATER PIPING INSIDE THE EXISTING NOC/COMPUTER ROOM. THE CONSTRUCTION WILL OCCUR IN FOUR PHASES.

PHASE A INCLUDES THE INSTALLATION OF TWO NEW COOLING TOWERS IN A NEW TOWER ENCLOSURE, AND NEW UNDERGROUND CONDENSER WATER PIPING TO THE NORTH WALL OF THE EXISTING BUILDING. THE TOWERS WILL BE SET ON A NEW STEEL SUPPORT SYSTEM WITHIN THE ENCLOSURE. THE CONDENSER WATER LOOP WILL HAVE A 6 INCH DOMESTIC WATER EMERGENCY BACK-UP, WITH DISCHARGE TO A NEW 8 INCH SANITARY DRAIN PIPE.

PHASE B CONSISTS OF WORK INSIDE THE NOC/COMPUTER ROOM. THE NEW 4" CONDENSER WATER PIPING LOOP WILL BE CONNECTED TO THE EXISTING 6" CONDENSER WATER LOOP AND INSTALLED ABOVE THE COMPUTER ROOM CEILING. TEMPORARY, PORTABLE AC UNITS WILL PROVIDE TEMPORARY SPACE CONDITIONING.

PHASE C INCLUDES INSTALLING NEW ISOLATION VALVES TO ISOLATE THE NEW CONDENSER WATER LOOP FROM THE ORIGINAL CONDENSER WATER LOOP. THE FOUR EXISTING CRAC UNITS WILL BE RECONNECTED TO THE NEW 4 INCH PIPE LOOP.

PHASE D CONSISTS OF REMOVAL OF THE TEMPORARY COOLING TOWER AND PIPING, AND DEMOLITION OF THE REMAINING ABANDONED UNDERFLOOR CONDENSER PIPING.

ALL CONTROLS WORK SHALL BE PERFORMED BY ENTECH, AND ENTECH WILL CONTRACT DIRECTLY WITH MARY KAY FOR THIS WORK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH ENTECH.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THERMOWELLS REQUIRED BY ENTECH, AND FOR PROVIDING 110V POWER TO THE EXTERIOR CONTROL VALVES AND 110V POWER TO THE ENTECH CONTROL PANELS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PURCHASE AND INSTALLATION OF THE CONTROL SYSTEM MOTORIZED VALVES AND ACTUATORS.

ALL WATER TREATMENT WORK SHALL BE PERFORMED BY AQUATECH, AND SHALL BE UNDER THE GENERAL CONTRACTORS CONTRACT. AQUATECH POINT OF CONTACT IS JIRI VALES, 972-485-1171.

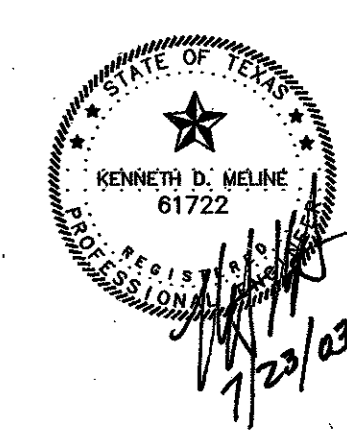
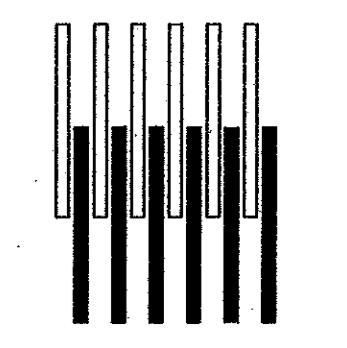
**APPLICABLE CODES:**

- 2000 INTERNATIONAL BUILDING CODE
- 2000 INTERNATIONAL PLUMBING CODE
- 2000 INTERNATIONAL MECHANICAL CODE
- 2000 INTERNATIONAL ENERGY CODE
- 2000 INTERNATIONAL FIRE CODE
- 2003 NATIONAL ELECTRIC CODE

**PROJECT INFORMATION**

LOCATION:  
16251 Dallas Parkway  
Addison, Tx 75379

**DFW Consulting Group, Inc.**  
8410 Sterling  
Irving, TX 75063  
(972) 929-1199



**Mary Kay, Inc.**  
Corporate 1  
Addison, Texas  
Cooling Tower Addition

Project Revisions

Project Number  
02110

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**GENERAL INFORMATION**

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