

ADDENDUM NUMBER 2

CHILDREN'S COURT CENTER  
INDEPENDENT COOLING SYSTEM  
Site #360, Bldg. #5000  
10201 West Watertown Plank Road  
Wauwatosa, WI 53226

Project Number: O115-13415

Date of Addendum: May 28, 2013

This Addendum to the Contract Documents is issued to modify, explain or correct the original documents, dated May 3, 2012, and is hereby made part of the Contract Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form, or bid may be rejected.

This Addendum consists of 3 pages and the attached documents:

- Document 00400 Bid Form – 5 pages
- Section 01230 Alternatives – 1 page
- ESK-02 Detail 2/E301 Electrical Block Diagram – 1 page
- ESK-03 Detail 2/E302 Electrical Block Diagram – 1 page

BIDDING DOCUMENTS

1. Document 00400 Bid Form  
DELETE – Document 00400 Bid Form from project manual.  
ADD – Document 00400 Bid form (attached) to project manual.

GENERAL REQUIREMENTS (DIVISION 01):

2. Section 01230 Alternatives:  
DELETE – Section 01230 from project manual  
ADD – Section 01230 (attached) to the project manual.

SPECIFICATIONS (DIVISIONS 02 THRU 33):

3. None

DRAWINGS

4. Sheet T001, Project Scope and General Notes:
  - a. DELETE Paragraphs C, D and E referencing Alternate Bids.
  - b. ADD Paragraph C;  
"C. ALTERNATIVE NO. 1A: ADD COST TO BASE BID NO. 1, CONTRACT (1) WORK. PROVIDE TWO HIGH EFFICIENCY VARIABLE FREQUENCY DRIVE CHILLERS EACH WITH A MINIMUM EFFICIENCY OF 10.7 EER AND 18.5 IPLV/NPLV."
  - c. ADD Paragraph D;  
"D. ALTERNATIVE NO. 2A: ADD COST TO BASE BID NO. 2, CONTRACT (2) WORK. PROVIDE ONE HIGH EFFICIENCY VARIABLE FREQUENCY DRIVE CHILLER WITH A MINIMUM EFFICIENCY OF 9.1 EER AND 18.3 IPLV/NPLV."
  - d. ADD Paragraph E;  
"E. WORK INCLUDING JACK HAMMERING AND SAW CUTTING/CORING SHALL BE COMPLETED PRIOR TO 8 AM OR AFTER 5 PM DURING WEEKDAY HOURS."

5. Sheet A120, A121, New Work Key Notes:  
CHANGE Key note #1;  
#1 – FORM & POUR 4" CONC. PADS FOR NEW MEP. COORDINATE EXACT SIZE & CONDITIONS WITH RESPECTIVE CONTRACTOR. ANCHOR PADS INTO EXISTING SLAB WITH # 4 HOOK DOWELS. ONE DOWEL FOR EVERY 2 SF OF PAD. MIN 4 PER PAD. REINFORCE PADS WITH 4X4 WWF.
6. Sheet A120, A121, New Work Key Notes:  
CHANGE Key note #19;  
#19 - COORDINATE EXCAVATIONS & CORE DRILLS THROUGH EXISTING 16" CONCRETE FOUNDATION WALL, FOR ELECTRICAL. 6 – 4" DIA CONDUITS. 3 ON TOP 3 ON BOTTOM. SPACING OF CORES MUST NOT BE LESS THAT 3 x DIA OF CORES BEING DRILLED. CONDUITS MUST FIT IN BETWEEN COLUMN PILASTER & EXISTING CMU WALL. CORE DRILLS SHALL NOT CUT INTO COLUMN PILASTER, OR BUILDING FOOTINGS BELOW. TOP OF FOOTINGS, 3' BELOW THE TOP OF EXISTING SLAB ON GRADE. EC WILL PERFORM CORE DRILL & SEAL THEIR WORK. SEE SHEET E201, 202 FOR SCOPE OF WORK. CUT & PATCH FOUNDATION WALL DAMPROOFING PRIOR TO BACKFILLING. CONTRACTOR SHALL XRAY WALL TO HELP VERIFY UNKNOWNNS IN THE WALL. REVIEW ALL CONDITIONS WITH A RCHITECT PRIOR TO COMMENCING WORK.
7. Sheet A120, A121, New Work Key Notes:  
CHANGE Key note #5;  
#5 – CORE DRILL NOMINAL 12" DIA HOLES IN 16" CONCRETE FOUNDATION WALL FOR NEW CHILLED WATER PIPES. COORDINATE EXACT SIZE & LOCATION WITH MECH. CONTRACTOR. SPACING OF CORES SHALL NOT BE LESS THAT 3 X THE DIA. OF HOLE BEING CORED. GENERAL CONTRACTOR SHALL XRAY WALL TO HELP VERIFY UNKNOWNNS IN THE WALL. REVIEW ALL CONDITIONS AND CORE HOLE LOCATIONS WITH ARCHITECT PRIOR TO COMMENCING WORK.
8. Sheet A150, A151, Detail #2:
  - a. ADD - Bituminous dampproofing note (requirement) to the back of the retaining wall, top of retaining wall footing & the side of footing.
  - b. ADD - retaining wall weeps, 4'-0" oc. To daylight 4" above top of slab on grade
9. Sheet M120, New Work Keyed Notes:  
DELETE Keyed Notes 21 and 22 referencing work associated with Alternate Bid 1A and 1B.
10. Sheet M140, Air Cooled Chiller Schedule:
  - a. ADD Keyed Note 3 in Remarks for nominal 255 ton Chillers CH-1/CH-2;  
"3. ALTERNATE BID 1A - PROVIDE HIGH EFFICIENCY VARIABLE FREQUENCY DRIVE CHILLER EACH WITH A MINIMUM EFFICIENCY OF 10.7 EER AND 18.5 IPLV/NPLV."
  - b. ADD Keyed Note 4 in Remarks for nominal 425 ton Chiller CH-1;  
"4. ALTERNATIVE NO. 2A - PROVIDE HIGH EFFICIENCY VARIABLE FREQUENCY DRIVE CHILLER WITH A MINIMUM EFFICIENCY OF 9.1 EER AND 18.3 IPLV/NPLV."
11. Sheet E201, E202, New Work Note:  
Add the following note describing the underground electrical work through the foundation wall;  
"INSTALL (6) 4" DIAMETER CONDUITS (3W X 2H ARRANGEMENT) THROUGH 4.5" CORE DRILLS SPACED AT 13.5". CORE HOLES SHALL BE LOCATED APPROXIMATELY 8" BELOW THE SLAB AND 8" ABOVE THE FOOTING TO MAINTAIN THE REQUIRED SPACING. CONTRACTOR SHALL SEAL PENETRATIONS WITH HYDRAULIC CEMENT.

CONDUIT SWEEPS SHALL BE PROVIDED TO MEET WE ENERGIES DUCT BANK CONDUIT DEPTHS AND CONFIGURATIONS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE XRAY OF WALL TO IDENTIFY REBAR LOCATIONS. REVIEW ALL CONDITIONS AND CORE HOLE LOCATIONS WITH ARCHITECT PRIOR TO COMMENCING WORK."

12. Sheet E201, E202, New Work Plans:  
Delete –Thruwall and floor Conduit Seals Detail indicated by ESK-01 in Addendum No. 1.
13. Sheet E301, Electrical Details:  
REVISE- Detail 2/E301 indicated by ESK-02. Change wire/conduit sizes as indicated.
14. Sheet E302, Electrical Details:  
REVISE- Detail 2/E302 indicated by ESK-03. Change wire /conduit sizes as indicated.

End of Addendum No. 2

DOCUMENT 00400  
BID FORM  
for  
CHILDREN'S COURT CENTER  
INDEPENDENT COOLING SYSTEM  
Site #360, Bldg. #5000  
10201 West Watertown Plank Road  
Wauwatosa, WI 53226

Project No. O115-13415

Bids Due: June 5, 2013 at 2:00 P.M.

Contract 1: Cooling System (two chillers)

Contract 2: Cooling System (one chiller)

At the Office of: MILWAUKEE COUNTY CLERK  
Room 105 - Courthouse  
901 North 9th Street  
Milwaukee, Wisconsin 53233

We, \_\_\_\_\_  
(A Corporation)(A Partnership)(An Individual)(Cross Out Inapplicable)

of \_\_\_\_\_  
Street

\_\_\_\_\_ City State Zip Code

\_\_\_\_\_ Telephone No. Fax Number email address

hereby agree to execute contract and furnish a satisfactory surety bond in the amount specified to complete the above project in strict accordance with Contract Documents dated May 3, 2013.

**CONTRACT 1: Cooling System (two chillers)**

Base Bid No.1: The Work for the sum of:

\_\_\_\_\_ (In words)

\_\_\_\_\_ Dollars \$ \_\_\_\_\_ (In figures)

Miscellaneous Allowance (Add to Base Bid from Section 01210) \$ 60,000.00

**TOTAL BASE BID CONTRACT 1:** \_\_\_\_\_ (In words)

\_\_\_\_\_ Dollars \$ \_\_\_\_\_ (In figures)

**ALTERNATIVES**

Fill in Alternatives as listed. Where no change in base Bid occurs for Alternative, mark "No Change" or if "Add to or Deduct from base Bid occurs, cross out the description that does not apply. See Section 01230. If an Alternative is left blank it shall mean Contractor shall perform the Work without addition or deduction in the Contract sum.

**ALTERNATIVE 1A:**

Add cost of two high efficiency variable frequency drive chillers to Base Bid No. 1, Contract (1) Work as indicated in Section 01230-Alternatives, the sum of:

\_\_\_\_\_  
(In words)  
\_\_\_\_\_  
Dollars \$ \_\_\_\_\_  
(In figures)

**CONTRACT 2: Cooling System (one chiller)**

Base Bid No. 2: The Work for the sum of:

\_\_\_\_\_  
(In words)  
\_\_\_\_\_  
Dollars \$ \_\_\_\_\_  
(In figures)

Miscellaneous Allowance (Add to Base Bid from Section 01210) \$ 60,000.00

**TOTAL BASE BID CONTRACT 2:** \_\_\_\_\_  
(In words)  
\_\_\_\_\_  
Dollars \$ \_\_\_\_\_  
(In figures)

**ALTERNATIVE 2A:**

Add cost of one high efficiency variable frequency drive chiller to Base Bid No. 2, Contract (2) Work as indicated in Section 01230-Alternatives, the sum of:

\_\_\_\_\_  
(In words)  
\_\_\_\_\_  
Dollars \$ \_\_\_\_\_  
(In figures)

SUBSTITUTION OF MATERIALS

For use by Bidders at their option the following substitutions from specifically named materials or items.

MANUFACTURER'S NAME	MATERIAL	ADD/DEDUCT
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ADDENDUM RECEIPT

We acknowledge the receipt of Addendum \_\_\_\_\_ to \_\_\_\_\_ inclusive.

BID SECURITY ACCOMPANYING PROPOSAL

**NOTE! See Instructions to Bidders - Article 9, Bid Security, subparagraph 9.1.1, filing original bid bond.**

The amount and type of bid security is as follows:

\_\_\_\_\_

COMMENCEMENT AND COMPLETION OF CONTRACT WORK

The undersigned agrees, if signatory to the Contract, to commence work upon receipt of Notice to Proceed and achieve Substantial Completion of the Work within 180 calendar days.

**NOTE! See Document 00800 - Supplementary Conditions – 8.2.3, for Liquidated Damages associated with the contract work.**

**CONTRACTORS WHO ARE SUBMITTING A BID ON WORK ARE REQUIRED TO VISIT THE SITE AND ATTEND THE MANDATORY PRE-BID CONFERENCE. FAILURE TO ATTEND THE MANDATORY PRE-BID CONFERENCE WILL RESULT IN BID BEING RETURNED UNOPENED. REFER TO DOCUMENT 00250 - PRE-BID MEETING.**

**BIDDERS SHALL SUBMIT SPECIAL QUALIFICATION DOCUMENTATION WITH BID. SEE DOCUMENT 00200 - INSTRUCTIONS TO BIDDERS, ARTICLE 16.**

BIDDER'S CERTIFICATE - Section 66.0901(7), Wisconsin Statutes

\_\_\_\_\_ certifies that they have examined and carefully prepared this bid from Bid Documents and have checked same in detail before submitting bid to Milwaukee County.

In submitting this bid, the bidder also acknowledges, understands and agrees that the submission of a bid shall commit the bidder to comply with Milwaukee County's requirements as outlined in the Contractor Residency Program provisions. The bidder also agrees to comply with the specific requirements as follows:

The bidder's commitment for the Contractor Residency Program Participation on this project is 50%.

\_\_\_\_\_  
(Signature of Authorized Representative)

\_\_\_\_\_  
(Title)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_,  
20\_\_\_\_\_.

My commission expires \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
(Notary Public)

**AFFIDAVIT**

State of \_\_\_\_\_

County of \_\_\_\_\_

\_\_\_\_\_ being duly sworn, deposes and states that  
(Name)

they are the \_\_\_\_\_ of  
(Official Capacity)

\_\_\_\_\_  
(Name of Firm)

and that Contractors Qualification Statement filed with County Clerk on

\_\_\_\_\_ for said firm remains true and correct. I understand that the willful falsification of information may result in a civil or criminal penalty pursuant to Chapter 101 Statutes.

\_\_\_\_\_  
(Signature and Title)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

My commission expires \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
(Notary Public)

If a qualification statement has been filed more than 3 years before the opening of this bid, submit a new qualification statement not less than five days before the opening of this bid.

SECTION 01230  
ALTERNATIVES

PART 1 GENERAL

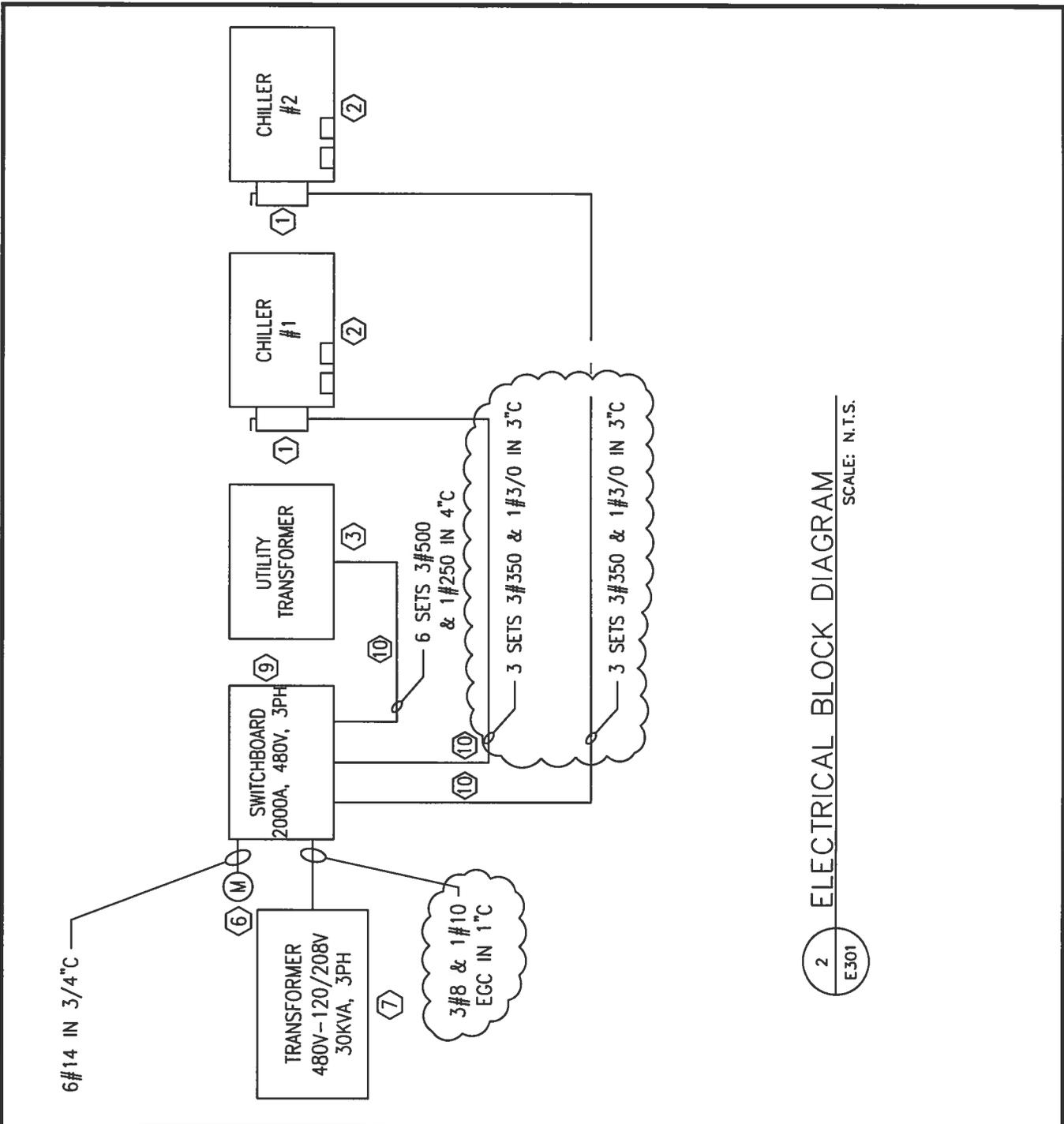
1.1 ALTERNATIVES

- A. Alternatives quoted on Bid Forms will be reviewed and accepted or rejected at the Owner's option and in the Owner's sole discretion up to and including the date the Owner-Contractor Agreement is presented to an identified bidder for signature. The Alternatives selected by the Owner will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work as required.
- C. Schedule of Alternatives:
  - 1. Alternative No. 1A: Add cost to Base Bid No. 1, Contract (1) Work. Provide two high efficiency variable frequency drive chillers each with a minimum efficiency of 10.7 EER and 18.5 IPLV/NPLV.
  - 2. Alternative No. 2A: Add cost to Base Bid No. 2, Contract (2) Work. Provide one high efficiency variable frequency drive chiller with a minimum efficiency of 9.1 EER and 18.3 IPLV/NPLV.

PART 2 PRODUCTS - Not Used.

PART 3 EXECUTION - Not Used.

END OF SECTION



2 ELECTRICAL BLOCK DIAGRAM  
SCALE: N.T.S.

**CHILDREN'S COURT CENTER**  
WEST WATERTOWN PLANK ROAD, WAUWATOSA, WI 53226

Milwaukee County Dept. of Administrative Services  
FACILITIES MANAGEMENT DIVISION  
Architectural, Engineering & Environmental Services  
CITY CAMPUS 2711 W. WELLS ST, 2ND FLOOR MILWAUKEE, WI 53208



PROJECT **COOLING SYSTEMS FOR CHILDREN'S COURT**

TITLE **ADDENDUM #2 - ELECTRICAL DETAILS CHANGES TO DRAWING E301**

Grumman/Butkus Associates  
Energy Efficiency Consultants and Sustainable Design Engineers  
1011 North Mayfair Road  
Suite 300  
Wauwatosa, Wisconsin 53226  
414.476.8980

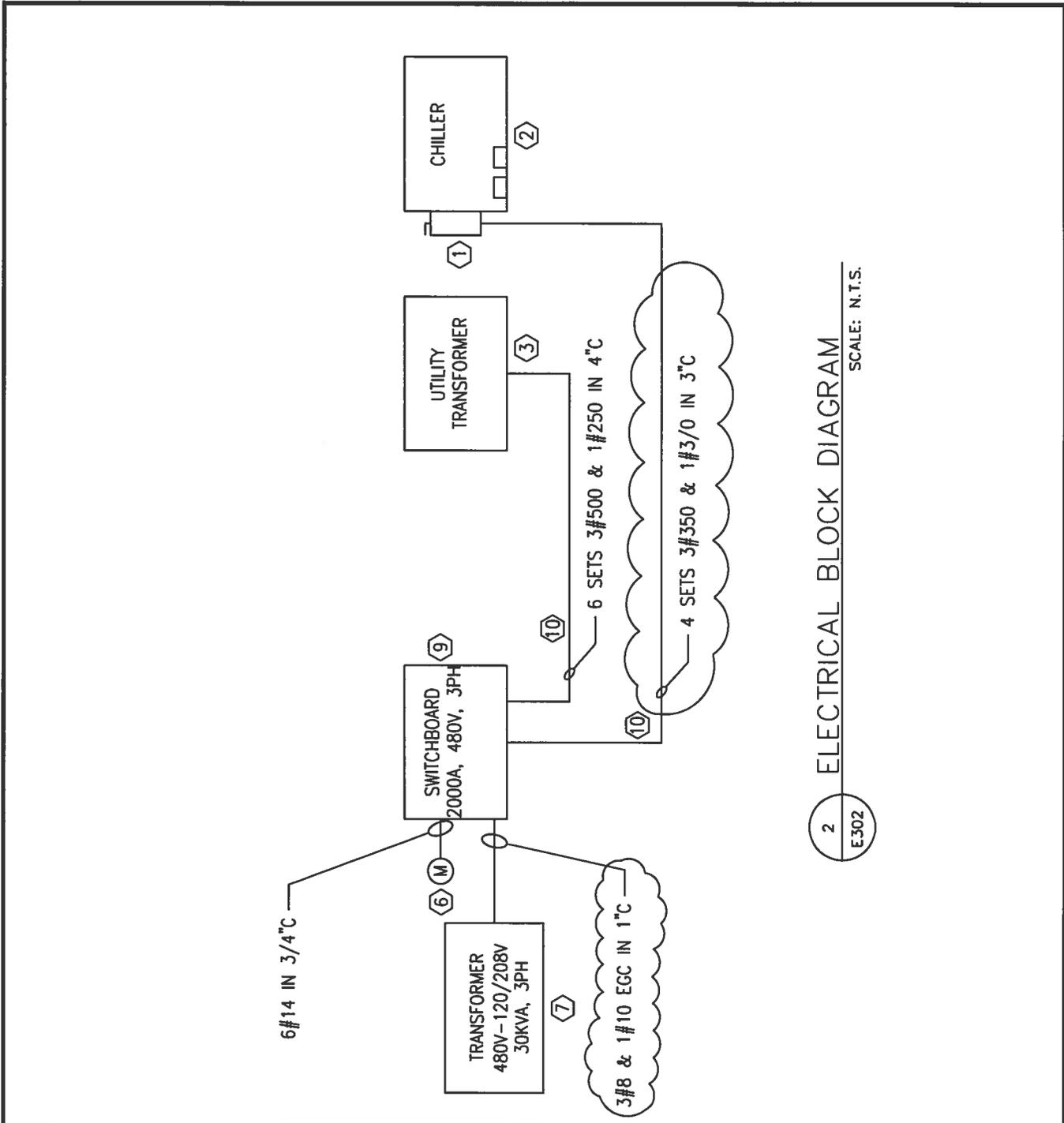


**SINGH**  
SINGH + ASSOCIATES, INC.  
CONSULTING ENGINEERS

DRAWN  
HS  
APPROVED  
AG

DATE  
05-28-13  
JOB NO  
13052

SHEET NO  
**ESK-02**



2  
E302

ELECTRICAL BLOCK DIAGRAM  
SCALE: N.T.S.

**CHILDREN'S COURT CENTER**  
WEST WATERTOWN PLANK ROAD, WAUWATOSA, WI 53226

Milwaukee County Dept. of Administrative Services  
FACILITIES MANAGEMENT DIVISION  
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PROJECT COOLING SYSTEMS FOR CHILDREN'S COURT		TITLE ADDENDUM #2 - ELECTRICAL DETAILS CHANGES TO DRAWING E302			
Grumman/Butkus Associates Energy Efficiency Consultants and Sustainable Design Engineers 1011 North Mayfair Road Suite 300 Wauwatosa, Wisconsin 53226 414.476.8980 <small>Copyright © 2008 Grumman/Butkus Associates</small>			DRAWN HS	DATE 05-28-13	SHEET NO <b>ESK-03</b>
			APPROVED AG	JOB NO 13052	