

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY 2009 IBC AND SHALL CONFORM TO ALL OTHER APPLICABLE MUNICIPAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE ILLINOIS ACCESSIBILITY CODE (1997) AND THE AMERICANS WITH DISABILITIES ACT.

B: MISCELLANEOUS AND DEMOLITION NOTES

- 1. ALL CONTRACTORS ARE REQUIRED TO VISIT THE SITE AND BE KNOWLEDGEABLE REGARDING EXISTING CONDITIONS AND THEIR EFFECT ON THE PROPOSED WORK. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE PROJECT.
2. NOTIFY THE OWNER'S REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO THE INTERRUPTION OF ANY UTILITY.
3. CONTRACTORS AND SUBCONTRACTORS SHALL COORDINATE THEIR WORK WITH THAT OF OTHER TRADES.
4. NO WORK WILL BE PERMITTED TO BE INSTALLED WITHOUT RECEIPT AND SUBSEQUENT REVIEW OF FULL AND COMPLETE SUBMITTALS BY THE ARCHITECT/ENGINEER.
5. DO NOT SCALE DRAWINGS, DIMENSIONS INDICATED TAKE PRECEDENCE OVER SCALE.
6. VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. WHERE DISCREPANCIES ARE FOUND BETWEEN DIMENSIONS OR ELEVATIONS SHOWN AND ACTUAL FIELD CONDITIONS, NOTIFY ARCHITECT/ENGINEER.
7. DEFINITIONS:
7.1. FURNISH: SUPPLY, DELIVER TO AND UNLOAD AT PROJECT SITE READY FOR ASSEMBLY AND INCORPORATION INTO THE WORK.
7.2. INSTALL: AT THE PROJECT SITE, UNPACK/UNCRATE ASSEMBLE, PLACE, ANCHOR, FINISH, PROTECT, CLEAN, AND PERFORM ALL OTHER SIMILAR OPERATIONS REQUIRED TO FULLY AND PROPERLY INCORPORATE AN ITEM INTO THE WORK. LEGALLY DISPOSE OF OR RECYCLE PACKAGING AND EXTRA MATERIAL OFF-SITE.
7.3. PROJECT SITE: THE SPACE AVAILABLE TO THE CONTRACTOR FOR PERFORMANCE OF CONSTRUCTION ACTIVITIES. THE EXTENT OF THE PROJECT SITE IS THE AREAS TO BE REMODELED AS INDICATED ON THE DRAWINGS, AND EXTENDS TO SUCH AREAS AS CONTAIN TERMINATIONS FOR POWER, DATA AND OTHER SERVICES.
7.4. OFF-SITE: OUTSIDE THE PROPERTY IN WHICH THE PROJECT SITE IS LOCATED.
7.5. PROVIDE: FURNISH AND INSTALL, AS DEFINED ABOVE.
8. WHERE CONFLICTS MAY EXIST BETWEEN THE REQUIREMENTS OF PORTIONS OF THE CONTRACT DOCUMENTS, THE GREATER QUANTITY, HIGHER QUALITY OR MORE STRINGENT REQUIREMENT SHALL GOVERN. THEREFORE, BY EXECUTING A CONTRACT FOR CONSTRUCTION, THE CONTRACTOR AGREES THAT IF IT RAISED NO QUESTIONS REGARDING SUCH CONFLICTS DURING THE BIDDING PROCESS, AND IN THE ABSENCE OF A CLARIFYING ADDENDUM ISSUED DURING THE BIDDING PROCESS, IT HAS VOLUNTEERED TO COMPLY WITH THE MORE EXPENSIVE REQUIREMENT AS PART OF ITS BASE BID AND IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION TO RESOLVE THE CONFLICT.
9. THE CONTRACT DOCUMENTS REQUIRE THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE PRODUCTS, SYSTEMS AND SERVICES BY EXECUTING A CONTRACT FOR CONSTRUCTION. THE CONTRACTOR AGREES THAT THE DRAWINGS SET FORTH THE DESIGN INTENT AND, THEREFORE, MAY NOT EXPRESSLY DEPICT EVERY LENGTH, SEGMENT, PIECE, PART, COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE. THE CONTRACTOR FURTHER AGREES THAT, AS PART OF ITS BID, IT MUST FURNISH AND INSTALL EVERY LENGTH, SEGMENT, PIECE, PART, COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE AND, CONSEQUENTLY, THE CONTRACTOR IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION FOR ANY LENGTH, SEGMENT, PIECE, PART COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE BECAUSE IT IS NOT EXPRESSLY DEPICTED HEREIN.
10. ARCHITECT SHALL BE NAMED AS ADDITIONAL INSURED ON ALL REQUIRED INSURANCE POLICIES.

C: BIDDING NOTES

- 1. GENERAL CONTRACTOR TO PROVIDE A \$3,500 ALLOWANCE IN HIS/HER BID FOR UNFORESEEN MISCELLANEOUS CONDITIONS. WHEN FIGURING THIS ALLOWANCE IN THE BID, CONTRACTOR IS TO INCLUDE ALL NECESSARY OVERHEAD AND PROFIT. THIS ALLOWANCE IS NOT FOR THE CONTRACTOR'S BENEFIT, AND IS ONLY AUTHORIZED TO CHARGE AGAINST THIS ALLOWANCE WHEN DIRECTED AND APPROVED BY JOLIET JUNIOR COLLEGE. THE CONTRACTOR WILL BE ALLOWED TO INVOICE FOR MATERIAL AND RAW LABOR COST ONLY.
2. CONSTRUCTION SCHEDULE: CONSTRUCTION START AND SUBSTANTIAL COMPLETION IN ACCORDANCE WITH JJC FRONT-END DOCUMENTS.
3. ALL LOUD AND DISRUPTIVE WORK IS TO BE PERFORMED BETWEEN THE HOURS OF 10:00 PM AND 6:00 AM.

STANDARD ABBREVIATIONS

Table with 4 columns of abbreviations and their corresponding full names. Includes terms like AT (Anchor Bolt), EXP (Expansion), PL (Plate), and many others.

THE MATERIALS, ABBREVIATIONS, AND DRAFTING SYMBOLS LEGEND ARE EACH AN ALL INCLUSIVE MASTER LIST USED BY THIS FIRM. THE INCLUSION OF THESE LEGENDS INTO THESE DOCUMENTS DOES NOT IMPLY THAT ALL THE SYMBOLS OR MATERIALS INCLUDED IN THESE LEGENDS ARE INCORPORATED INTO THIS PROJECT.

Drafting symbols and materials legend table. Includes detail numbers (8, 23, 2, 1), column number (26), location elevation (T/1ST FLR, 100'-0"), room number (204), door numbers (203.2, 203.1X), nominal thickness, keynote identification (15, 21), window type identification (X), toilet accessory identification (A), spot elevation (T/1ST FLR, 100'-0"), and material symbols for concrete, brick masonry, stone masonry, steel, wood, insulation, gypsum board, and earth backfill.

DRAFTING SYMBOLS AND MATERIALS LEGEND



PROJECT

ELECTRICAL PANEL REPLACEMENT
JOLIET JUNIOR COLLEGE
1215 HOUBOLT ROAD
JOLIET, IL 60431

OWNER

JOLIET JUNIOR COLLEGE
1215 HOUBOLT ROAD
JOLIET, IL 60431

ARCHITECT/ENGINEER

KLUBER ARCHITECTS + ENGINEERS
10 S. SHUMWAY AVE.
BATAVIA, ILLINOIS 60510
TEL 630-406-1213
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www.kluberinc.com

INDEX OF DRAWINGS

Table listing drawing numbers and titles: G100 COVER SHEET, GENERAL NOTES, SYMBOLS, & DRAWING INDEX; E300 PANEL REPLACEMENT LOCATION PLANS; E620 PANEL SCHEDULES; E621 PANEL SCHEDULES.

BUILDING CODE DATA

2009 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL ENERGY CODE
2009 INTERNATIONAL FIRE PREVENTION CODE
1997 IL ACCESSIBILITY CODE
2011 NATIONAL ELECTRIC CODE
LOCAL AMENDMENTS TO THE ABOVE CODES

SEALS & CERTIFICATES

I HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH IBC 2009 EDITION, THE ENVIRONMENTAL BARRIERS ACT AND THE ILLINOIS ACCESSIBILITY CODE.

KLUBER, INC. ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-001284

ELECTRICAL ENGINEER'S SEAL box with fields for name, title, and date.

"G" SERIES
"E" SERIES



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Joliet, Illinois 60431
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ELECTRICAL PANEL REPLACEMENT

JOLIET JUNIOR COLLEGE
1215 HOUBOLT ROAD
JOLIET, ILLINOIS 60431

Table with 2 columns: ISSUED, 1/11/2017 BID DOCUMENTS

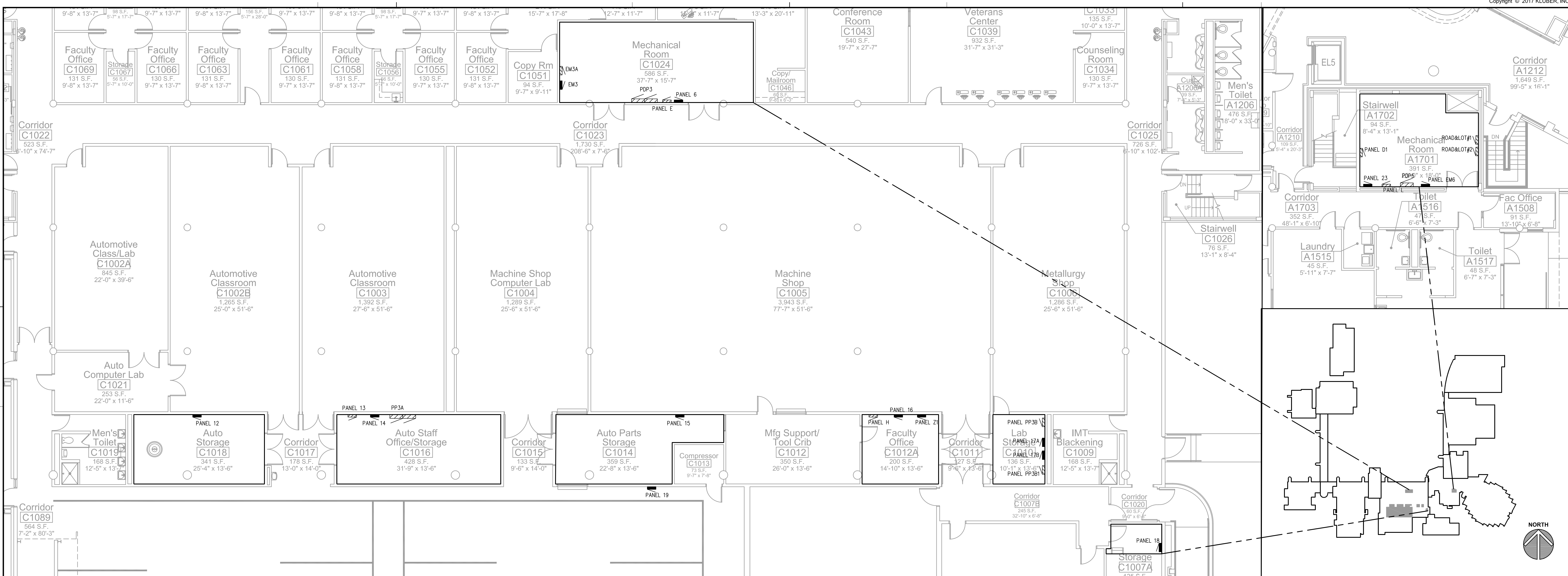
JOB NO. 17-292-1141
DRAWN ATR
CHECKED MTK
APPROVED MTK

SHEET TITLE
COVER SHEET, GENERAL NOTES, SYMBOLS AND DRAWING INDEX

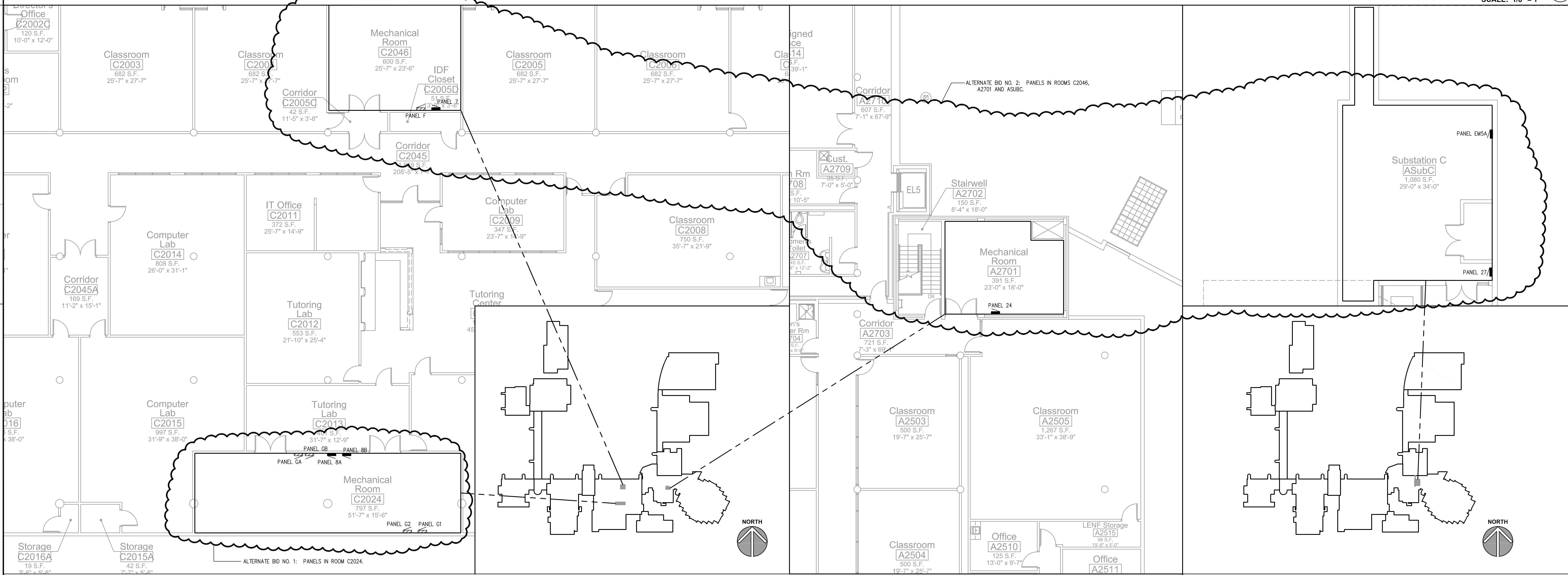
SHEET NUMBER

G100





**FIRST LEVEL PANEL LOCATION PLAN** ②  
SCALE: 1/8" = 1'



**SECOND LEVEL PANEL LOCATION PLAN** ③  
SCALE: 1/8" = 1'

**LOWER LEVEL PANEL LOCATION PLAN** ①  
SCALE: 1/8" = 1'

ISSUED	
11/13/2017	BID DOCUMENTS
JOB NO.	17-292-1141
DRAWN	ATR
CHECKED	MTK
APPROVED	MTK
SHEET TITLE	ELECTRICAL PANEL LOCATION PLANS
SHEET NUMBER	E300



PANEL PP3B 225 AMPERE, 277/480 VOLT, 3 PHASE, 3 WIRE, FRONT ACCESSIBLE, NEMA1 ENCLOSURE, BOTTOM FEED

POP5 600 AMPERE, 277/480 VOLT, 3 PHASE, 4 WIRE, FRONT ACCESSIBLE, NEMA1 ENCLOSURE, BOTTOM FEED

PANEL PP3A 400 AMPERE, 277/480 VOLT, 3 PHASE, 3 WIRE, FRONT ACCESSIBLE, NEMA1 ENCLOSURE, BOTTOM FEED

PANEL 13 600 AMPERE, 277/480 VOLT, 3 PHASE, 3 WIRE, FRONT ACCESSIBLE, NEMA1 ENCLOSURE, BOTTOM FEED

PDP-3 800 AMPERE, 277/480 VOLT, 3 PHASE, 4 WIRE, FRONT ACCESSIBLE, NEMA1 ENCLOSURE, BOTTOM FEED, 65kAIC SERVICE-ENTRANCE RATED

PANEL REPLACEMENT SCHEDULE

Table with columns: PANEL NAME, LOCATION, AMPACITY, VOLTAGE, POLES, MOUNTING, ENCLOSURE, PANEL TYPE, NOTES. Lists panels 18 through 23.

PANEL EM3A 100 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL EM3 100 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL 6 225 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL E 225 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL 18 225 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL F 225 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL 7 225 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL 19 100 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL 15 100 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL 14 100 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL 12 100 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL 8B 225 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL 8A 225 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL GB 600 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL GA 600 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL G2 100 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.

PANEL G1 100 AMPERE MAIN LUG ONLY. Table with columns: CKT NO., BRKR, DESCRIPTION, PHASE, DESCRIPTION, BRKR, CKT NO.



PANEL : 11A 225 AMPERE MAIN BREAKER W/ FEED THRU. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like LIGHTING, REC, CONTROL FEED, etc.

PANEL : 11B 225 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like SPARE, LIGHTING, REC, etc.

PANEL : 27 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like SLURP PUMP, REC, PUMP, FAN, etc.

PANEL : EM5A 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like LIGHTING, REC, FAN, etc.

PANEL : EM6 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like LIGHTING, REC, FIRE ALARM, etc.

PANEL : 27 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like LIGHTING, REC, FIRE ALARM, etc.

PANEL : 23 225 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like LIGHTING, REC, TIME CLOCK, etc.

PANEL : D1 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like EXISTING, SPACE, BLOWER CONTROLLER, etc.

PANEL : ROAD&LOT#1 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like LIGHTING, SPACE, etc.

PANEL : ROAD&LOT#2 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like LIGHTING, SPACE, etc.

PANEL : 24 225 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like EXISTING, SPACE, etc.

PANEL : PP-3B1 50 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like MAIN BREAKER, EXISTING, SPACE, etc.

PANEL : 17A 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like REC, EXISTING, SPACE, etc.

PANEL : 17B 100 AMPERE MAIN BREAKER. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like EXISTING, REC, SPACE, etc.

PANEL : 16 100 AMPERE MAIN BREAKER. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like REC, EXISTING, SPACE, etc.

PANEL : H 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like BUS DUCT, EXISTING, SPACE, etc.

PANEL : Z1 225 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO. Includes items like SPACE, EXISTING, etc.