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G100 COVER SHEET, GENERAL NOTES, SYMBOLS,

& DRAWING INDEX

MECHANICAL DETAILS

ELECTRIC WATER COOLER

ELECTRIC WATER HEATER

EXHIBIT RAIL (LENGTH)

EXISTING

ER-(26)

EXIST

PARTITION

PAVEMENT

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

PERMANENT FLOOR MAT

PIECE

THE MATERIALS, ABBREVIATIONS, AND DRAFTING SYMBOLS LEGEND ARE EACH AN

PAV'T

LEGENDS ARE INCORPORATED INTO THIS PROJECT.

W 0

> MISCELLANEOUS CIP & ANNUAL **PROJECT** IMPROVEMENT PROJECTS

> > MAIN CAMPUS 1215 HOUBOLT ROAD **JOLIET, IL 60431**

ROMEOVILLE CAMPUS 1125 W. 135TH STREET ROMEOVILLE, IL 60446

OWNER JOLIET JUNIOR COLLEGE 1215 HOUBOLT ROAD **JOLIET, IL 60431**

ARCHITECT/ **ENGINEER**

AGGREGATE

BACKFILL IN

UNDISTURBED

EARTH BACKFILL

SECTION

EARTH

BALLAST, FILL OR

KLUBER ARCHITECTS + ENGINEERS 10 S. SHUMWAY AVE. BATAVIA, ILLINOIS 60510 TEL 630-406-1213 630-406-9472 www.kluberinc.com

BUILDING CODE DATA

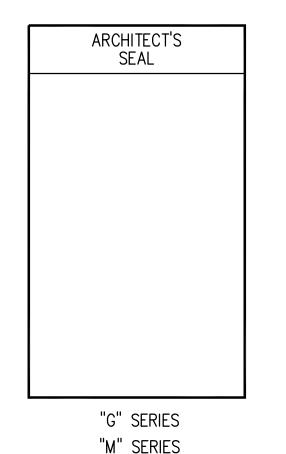
2015 INTERNATIONAL BUILDING CODE 2014 ILLINOIS STATE PLUMBING CODE 2015 INTERNATIONAL MECHANICAL CODE 2015 INTERNATIONAL FUEL AND GAS CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2015 INTERNATIONAL FIRE PREVENTION CODE 2018 IL ACCESSIBILITY CODE 2014 NATIONAL ELECTRIC CODE

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

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



MECHANICAL ENGINEER'S

SEAL

"G" SERIES "M" SERIES ELECTRICAL ENGINEER'S SEAL

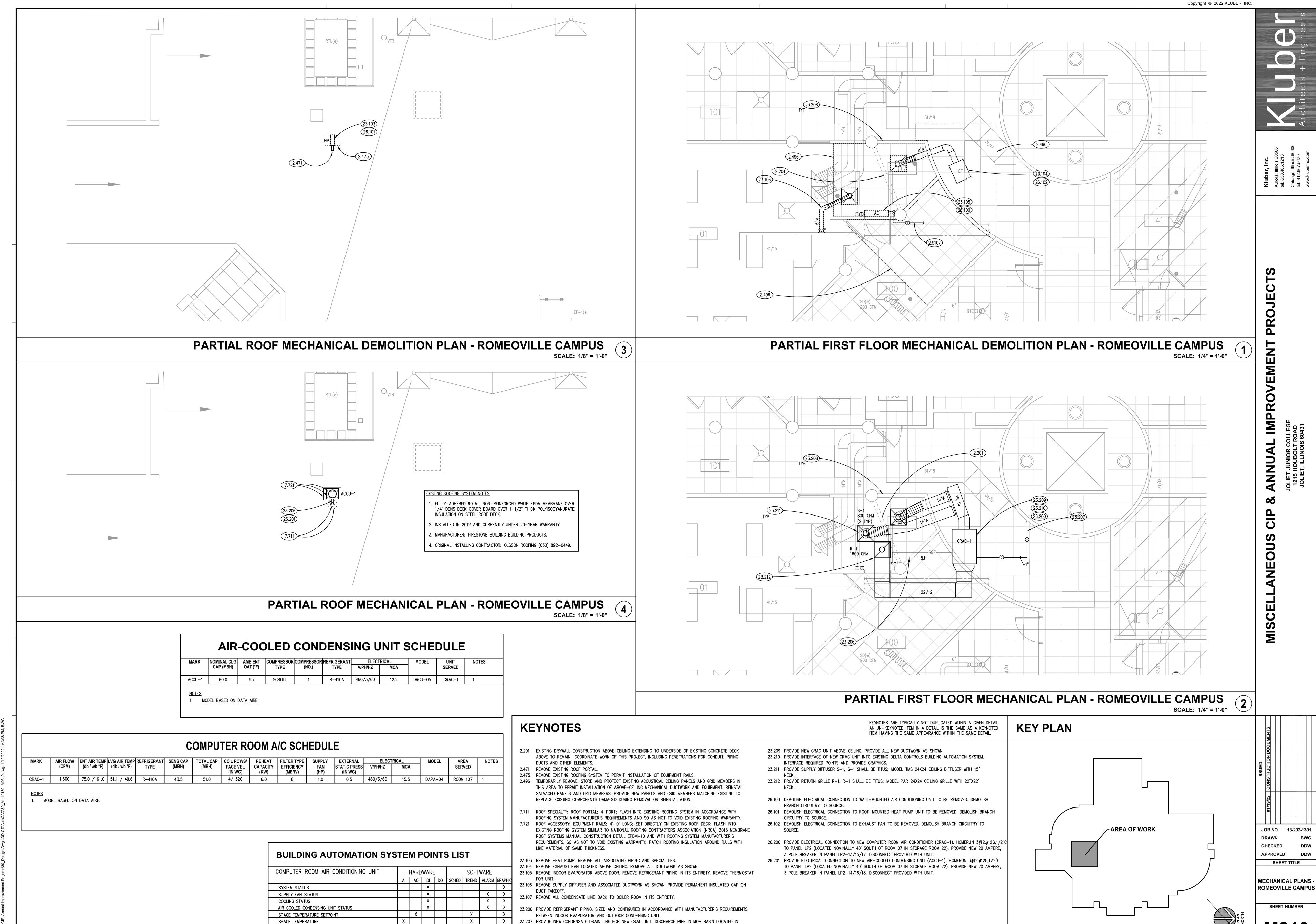
> "G" SERIES "E" SERIES

ANN

JOB NO. 18-292-1391 CHECKED APPROVED

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

SHEET NUMBER



BOILER ROOM.

| x | x |

| X | X

| X | X

| X |

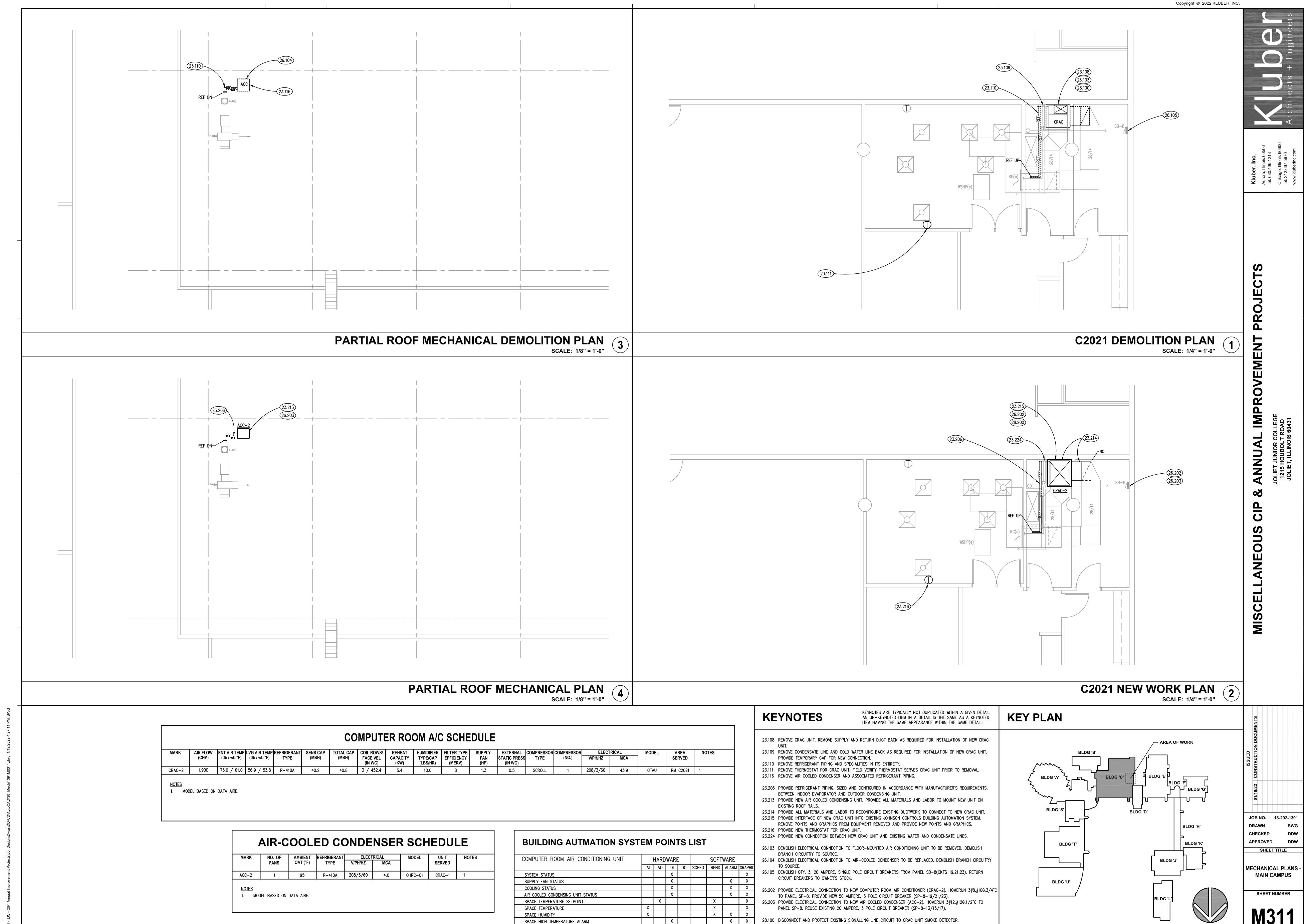
23.208 PROTECT ALL IT TECHNOLOGY EQUIPMENT IN ROOM THROUGHOUT ALL PHASES OF CONSTRUCTION.

NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES.

SPACE HUMIDITY

FILTER STATUS

SPACE HIGH TEMPERATURE ALARM
SPACE LOW TEMPERATURE ALARM



X

| | X | |

X X 28.200 EXTEND EXISTING SIGNALLING LINE CIRCUIT TO NEW CRAC UNIT SMOKE DETECTOR TO ENSURE A COMPLETE

NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES.

AND OPERATIONAL SYSTEM.

SPACE LOW TEMPERATURE ALARM

FILTER STATUS

THICKNESS OF THE CONCRETE DECK; APPLY SEALANT AT UNDERSIDE AND TOPSIDE SURFACES OF THE DECK, OVER THE MINERAL WOOL, TO CREATE AN AIR-TIGHT SEAL BETWEEN THE EDGES OF THE CONCRETE DECK AND THE SURFACES OF ITEMS PENETRATING THE DECK; SURVEY THE EXISTING ROOM AND SURROUNDING SPACES PRIOR TO BIDDING TO FULLY UNDERSTAND THE EXTENT OF THE GAPS.

8.715 DOOR HARDWARE: PERIMETER GASKETING, FLAT PLATE THRESHOLD AND AUTO DOOR BOTTOM TO SEAL GAPS BETWEEN PERIMETER OF EXISTING HOLLOW METAL DOOR LEAF AND EXISTING HOLLOW METAL DOOR FRAME AGAINST THE PASSAGE OF AIRBORNE SOUND.

9.219 GYPSUM BOARD ASSEMBLY: ACOUSTICAL FUR-OUT; 1/2" RESILIENT CHANNELS @ 24" O.C. - MOUNT HORIZONTALLY TO EXISTING CONCRETE MASONRY; ACOUSTICAL SHIELDING MEMBRANE - ATTACH TO RESILIENT CHANNELS; 5/8" TYPE 'X' GYPSUM BOARD - ATTACH TO RESILIENT CHANNELS; SEAL PERIMETER OF FUR-OUT TO ADJACENT WALLS, FLOOR SLAB AND UNDERSIDE OF FLOOR DECK ABOVE; EXTEND ELECTRICAL DEVICE BACK BOXES TO SURFACE OF GYPSUM BOARD AND SEAL PERIMETER OF BOXES TO GYPSUM BOARD; SEAL GAPS AROUND EXISTING ITEMS PENETRATING FUR-OUT AGAINST PASSAGE OF AIRBORNE SOUND.

9.654 PROVIDE 4" RESILIENT COVE BASE IN THIS ROOM TO MATCH EXISTING; PREP WALL TO ADEQUATELY REMOVE OLD BASE ADHESIVE BEFORE APPLYING NEW ADHESIVE AND BASE.

23.112 REMOVE RETURN GRILLE.

23.113 DISCONNECT AND PROTECT AIR COMPRESSOR FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION. EXISTING COMPRESSOR AND PIPING SPECIALITIES TO REMAIN.

23.212 PROVIDE RETURN GRILLE R-1, R-1 SHALL BE TITUS; MODEL PAR 24X24 CEILING GRILLE WITH 22"X22"

PROVIDE NEW VIBRATION ISOLATION PADS UNDER COMPRESSOR. ALL EXISTING SPECIALITIES TO REMAIN AS IS. PROVIDE NEW PRESSURE GAGE, ISOLATION VALVE AND FLEXIBLE PIPE CONNECTION AT AIR COMPRESSOR.

COMPRESSOR LOCATION. 23.219 PROVIDE NEW AIR TRANSFER DUCT IN EXISTING TRANSFER OPENING. COMPLETELY SEAL DUCT JOINTS AND OPENING AROUND DUCT TO PREVENT SOUND TRANSFER. PROVIDE ALL MATERIALS AND LABOR TO MODIFY

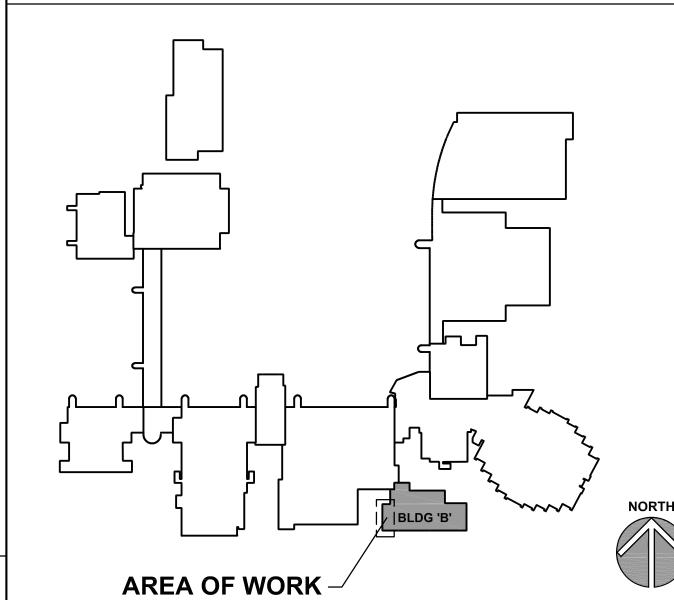
DISCONNECT SWITCH FOR REUSE.

26.204 PROVIDE PERMANENT SPLICE AND EXTEND FEEDER FOR AIR COMPRESSOR TO NEW LOCATION AS SHOWN. REINSTALL EXISTING DISCONNECT SWITCH. ENSURE A COMPLETE AND OPERATIONAL SYSTEM.

REQUIRED FOR INSTALLATION OF NEW AIR TRANSFER DUCT.

23.212 M312 7.928 7.929 9.510 9.654 9.219 23.217 26.204 AIR COMPRESSOR(r) --REGULATOR(ETR) 14"ø

KEY PLAN



SHEET TITLE

MECHANICAL PLANS **MAIN CAMPUS**

SHEET NUMBER

WELDING LAB NEW WORK PLAN SCALE: 1/4" = 1'-0"

RETURN AIR GRILLE BOOT DETAIL SCALE: NTS

2.495 2.498

/-REGULATOR(ETR)

COMPRESSOR

AIR TRANSFER DUCT DETAIL
SCALE: NTS

NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES

WELDING LAB DEMOLITION PLAN SCALE: 1/4" = 1'-0" 14/14 SCREENED OPENING IN TOP OF DUCT UNLESS OTHERWISE NOTED

7.929 SEAL GAPS AROUND PENETRATIONS THROUGH CONCRETE FLOOR DECK ABOVE AGAINST PASSAGE OF AIRBORNE SOUND; SOLIDLY FILL GAPS WITH TIGHTLY-PACKED MINERAL WOOL; FILL THESE CAVITIES FOR THE FULL

9.510 ACOUSTICAL CEILING: REFER TO SPECIFICATIONS. 9.901 PAINT GYPSUM BOARD WALL SURFACE(S).

23.114 REMOVE COMPRESSED AIR PIPING MAIN BACK TO EXISTING FILTER TO REMAIN AS SHOWN. PROVIDE TEMPORARY CAP ON PIPING.

23.217 PROVIDE ALL MATERIALS AND LABOR TO RELOCATE EXISTING AIR COMPRESSOR TO LOCATION AS SHOWN. 23.218 PROVIDE ALL MATERIALS AND LABOR TO MODIFY EXISTING COMPRESSED AIR PIPING TO CONNECT TO NEW

EXISTING OPENING AS REQUIRED FOR INSTALLATION OF AIR TRANSFER DUCT.

26.106 DISCONNECT AND PROTECT EXISTING ELECTRICAL CONNECTION TO AIR COMPRESSOR TO BE RELOCATED. SALVAGE

26.205 PROVIDE ALL MATERIALS AND LABOR TO RELOCATE CONDUIT AND JUNCTION BOX OVER TRANSFER DUCT AS

M312

7.926 FOR ALL FOUR WALLS SURROUNDING THIS ROOM, SEAL GAPS AT HEAD OF WALLS AND AROUND PENETRATIONS THROUGH WALLS AGAINST PASSAGE OF AIRBORNE SOUND; APPLY SEALANT TO CREATE AN AIR-TIGHT SEAL BETWEEN THE EDGES OF THE GYPSUM BOARD AND THE UNDERSIDE OF THE CONCRETE DECK ABOVE AND THE SURFACES OF ITEMS PENETRATING THE WALLS; SURVEY THE EXISTING ROOM PRIOR TO BIDDING TO FULLY

7.927 SEAL GAPS AROUND PENETRATIONS THROUGH CONCRETE FLOOR DECK ABOVE AGAINST PASSAGE OF AIRBORNE SOUND; APPLY SEALANT AT UNDERSIDE SURFACE OF THE DECK TO CREATE AN AIR-TIGHT SEAL BETWEEN THE EDGES OF THE CONCRETE DECK AND THE SURFACES OF ITEMS PENETRATING THE DECK; SURVEY THE EXISTING

8.716 DOOR HARDWARE: PERIMETER GASKETING, FLAT PLATE THRESHOLD AND AUTO DOOR BOTTOM TO SEAL GAPS BETWEEN PERIMETER OF EXISTING SOLID CORE WOOD DOOR LEAF AND EXISTING HOLLOW METAL DOOR FRAME

TO SURFACE OF EXISTING DRYWALL - ATTACH THROUGH EXISTING GYPSUM BOARD TO EXISTING STUDS; ACOUSTICAL SHIELDING MEMBRANE - ATTACH TO RESILIENT CHANNELS; 5/8" TYPE 'X' GYPSUM BOARD -ATTACH TO RESILIENT CHANNELS; SEAL PERIMETER OF FUR-OUT TO ADJACENT WALLS, FLOOR SLAB AND UNDERSIDE OF FLOOR DECK ABOVE; TEMPORARILY REMOVE SURFACE-MOUNTED ITEMS AND DETACH ANCHORS AND CLIPS SUPPORTING SURFACE-MOUNTED PIPING AND CONDUIT; PROVIDE SOLID BLOCKING BEHIND GYPSUM BOARD FOR RE-MOUNTING OF SURFACE-MOUNTED ITEMS AND ANCHORS AND CLIPS SUPPORTING PIPING AND CONDUIT; SEAL GAPS AROUND EXISTING ITEMS PENETRATING FUR-OUT AGAINST PASSAGE OF AIRBORNE SOUND; RE-INSTALL SURFACE-MOUNTED ITEMS AND RE-ATTACH ANCHORS AND CLIPS SUPPORTING SURFACE-MOUNTED PIPING AND CONDUIT; SURVEY EXISTING ROOM PRIOR TO BIDDING TO FULLY UNDERSTAND THE EXTENT OF SURFACE-MOUNTED

9.221 GYPSUM BOARD ASSEMBLY: ACOUSTICALLY ISOLATED CEILING; RESILIENT SOUND ISOLATION CLIPS MECHANICALLY FASTENED TO UNDERSIDE OF EXISTING CONCRETE FLOOR DECK ABOVE AT 24" O.C. EACH WAY; 7/8" FURRING CHANNELS ATTACHED TO ISOLATION CLIPS; ACOUSTICAL SHIELDING MEMBRANE - ATTACH TO FURRING CHANNELS; 5/8" TYPE 'X' GYPSUM BOARD — ATTACH TO FURRING CHANNELS; SEAL PERIMETER OF CEILING TO ADJACENT WALLS; TEMPORARILY REMOVE SURFACE-MOUNTED ITEMS AND DETACH ANCHORS AND CLIPS SUPPORTING SURFACE-MOUNTED PIPING AND CONDUIT; PROVIDE SOLID BLOCKING BEHIND GYPSUM BOARD FOR RE-MOUNTING OF SURFACE-MOUNTED ITEMS AND ANCHORS AND CLIPS SUPPORTING PIPING AND CONDUIT; SEAL GAPS AROUND EXISTING ITEMS PENETRATING CEILING AGAINST PASSAGE OF AIRBORNE SOUND; RE-INSTALL SURFACE-MOUNTED ITEMS AND RE-ATTACH ANCHORS AND CLIPS SUPPORTING SURFACE-MOUNTED PIPING AND CONDUIT; SURVEY EXISTING ROOM PRIOR TO BIDDING TO FULLY UNDERSTAND THE EXTENT OF SURFACE-MOUNTED ITEMS.

9.902 PAINT GYPSUM BOARD CEILING SURFACE.

23.220 PROVIDE ALL MATERIALS AND LABOR TO REMOVE EXHAUST GRILLE AND EXTEND DUCT TO FACE OF NEW FURRED

23.222 PROVIDE NEW 14-INCH DEEP 1" LINED DUCT ON EXISTING WALL LOUVER. RUN DUCT UP 36-INCHES BEYOND

23.223 PROVIDE NEW LINED AIR TRANSFER DUCT OVER THROUGH EXISTING WALL OPENING. COMPLETELY SEAL DUCT JOINTS AND OPENING AROUND DUCT TO PREVENT SOUND TRANSFER.

C1013 - DEMOLITION PLAN (1) SCALE: 1/4" = 1'-0"

9.221 AIR COMPRESSOR(e)

AIR COMPRESSOR(e)

2.499

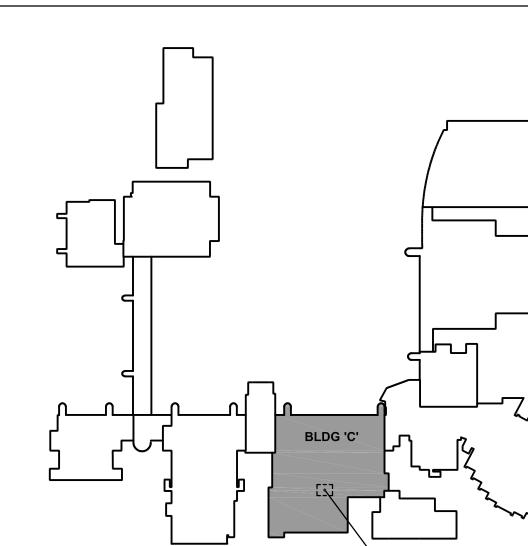
24/24 WL(e)

24/10 TRANSFER

C1013 NEW WORK PLAN
SCALE: 1/4" = 1'-0"

2

KEY PLAN



SHEET TITLE

MECHANICAL PLANS **MAIN CAMPUS**

SHEET NUMBER

— 22/22 SCREENED OPENING IN TOP OF DUCT UNLESS OTHERWISE NOTED 22/22 SCREENED OPENING IN TOP OF DUCT UNLESS OTHERWISE NOTED AIR TRANSFER DUCT DETAIL (3)

ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

2.499 REMOVE EXISTING RESILIENT BASE IN THIS ROOM.

UNDERSTAND THE EXTENT OF THE GAPS.

AGAINST THE PASSAGE OF AIRBORNE SOUND.

ROOM PRIOR TO BIDDING TO FULLY UNDERSTAND THE EXTENT OF THE GAPS.

9.220 GYPSUM BOARD ASSEMBLY: ACOUSTICAL FUR-OUT; 1/2" RESILIENT CHANNELS @ 24" O.C. - MOUNT HORIZONTALLY

9.655 PROVIDE 4" RESILIENT COVE BASE IN THIS ROOM TO MATCH EXISTING. 9.901 PAINT GYPSUM BOARD WALL SURFACE(S).

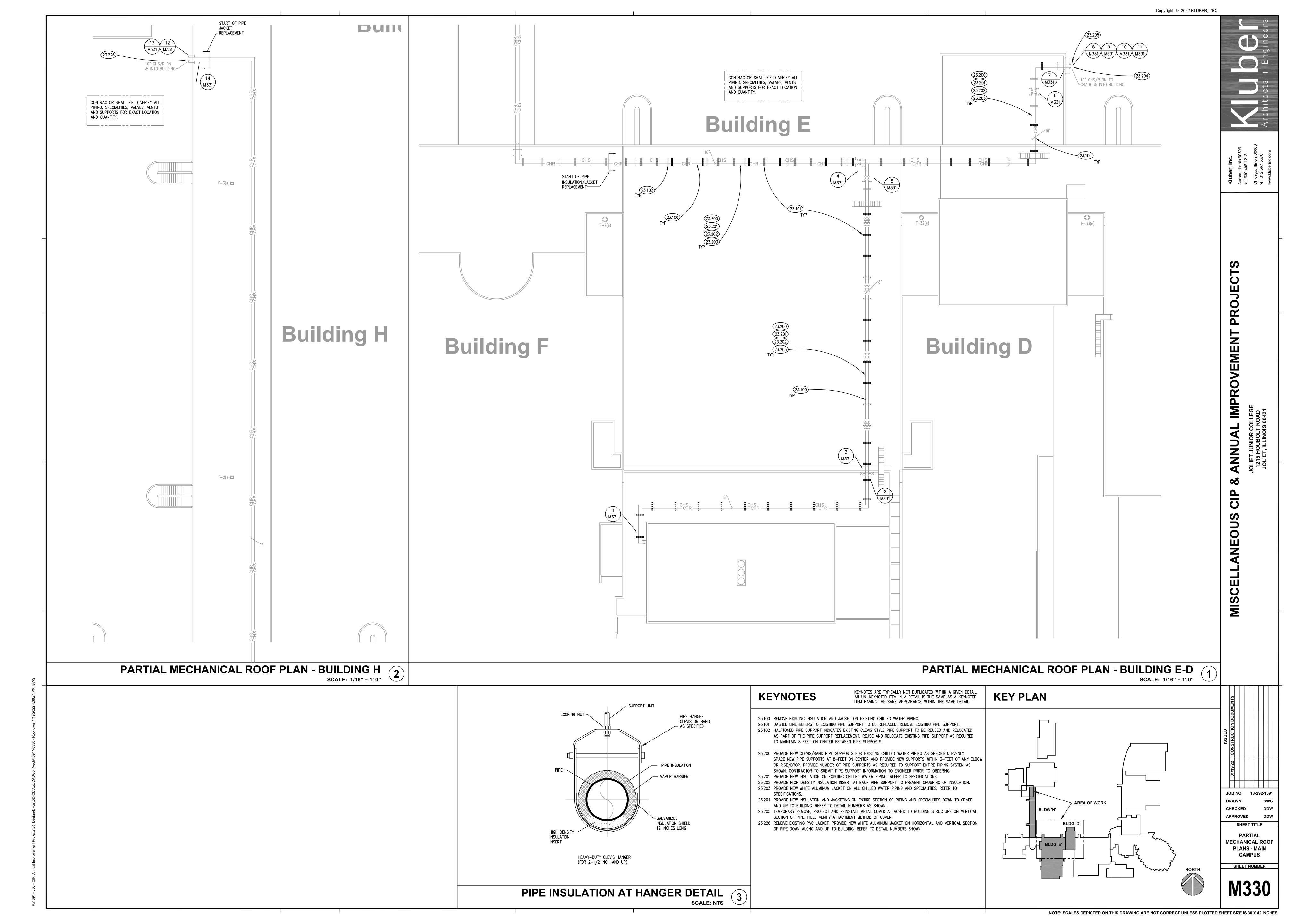
23.115 REMOVE AIR TRANSFER GRILLE.

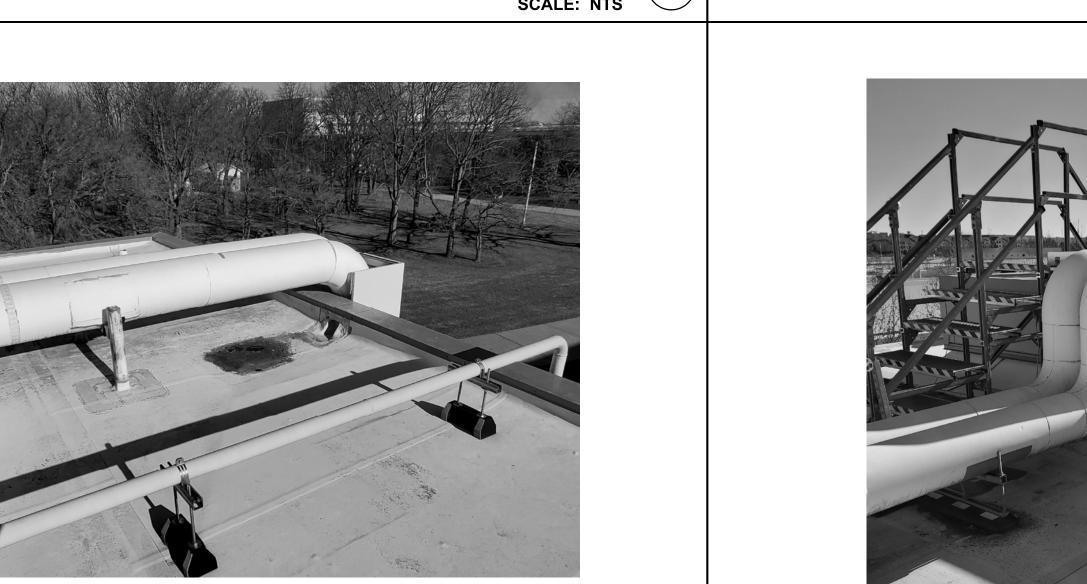
OUT WALL. COMPLETELY SEAL ALL GAPS AROUND DUCT.

THE TOP OF THE LOUVER AND TERMINATE WITH SCREENED OPENING.

23.225 PROVIDE ALL MATERIALS AND LABOR TO MODIFY EXISTING METAL STUD OPENING TO ALLOW INSTALLATION OF NEW AIR TRANSFER DUCT.

NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES.

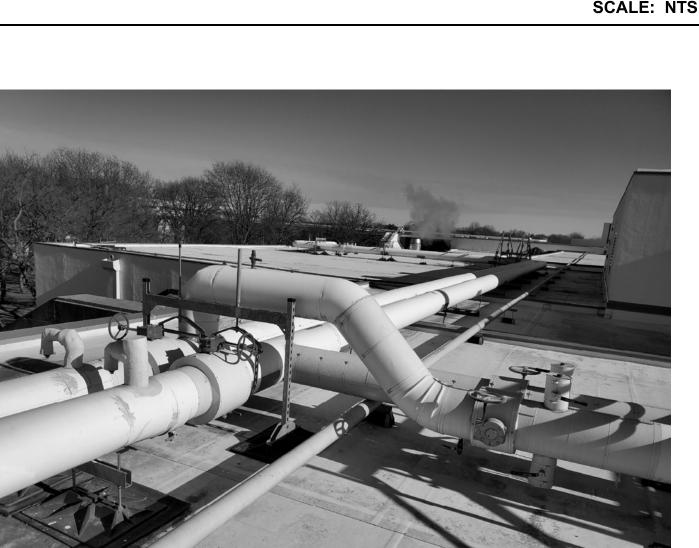




ROOF PIPING PHOTO SCALE: NTS 7



ROOF PIPING PHOTO SCALE: NTS



SHEET TITLE **MECHANICAL**

MISCELL

DETAILS SHEET NUMBER

NOT USED SCALE: NTS

NOT USED SCALE: NTS

ROOF PIPING PHOTO SCALE: NTS

ROOF PIPING PHOTO SCALE: NTS

NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES.

ROOF PIPING PHOTO SCALE: NTS 8

ROOF PIPING PHOTO (4)