ADDENDUM NO 01

6/15/2021

ISSUED BY
Henderson Engineers, Inc.
8345 Lenexa Dr. Suite 300
Lenexa, KS 66214

ISSUED FOR
Pittsburg State
1701 Broadway St.
Pittsburg, KS 66762

NOTICE TO ALL BIDDERS FOR THE
PSU Weede Fieldhouse HVAC

You are instructed to read and to note the following described changes, corrections, clarifications, omissions, deletions, additions, approvals, and statements pertinent to the Contract Bid and Construction Documents.

This addendum is part of the Contract Bid and Construction Documents and shall govern in the performance of the Work.

SUMMARY

1. G0.00 – **ADD** note regarding floor protection.
2. E1.01A.A – ELECTRICAL POWER PLAN
    A. **CLARIFICATION** (2) new double duplex receptacles, located on south gym wall (under bleachers) to each be dedicated circuits to panelboard noted.
3. E1.02A.A & E1.02A.B – ELECTRICAL POWER PLAN
    A. **CLARIFICATION** videoboard, scoreboard, and aux scoreboards to be located per Daktronics and PSU. Coordinate connections with final locations.

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SUMMARY

1. G0.00 – **ADD** note regarding floor protection.
2. S1.00 – **ADD** detail for light pole base.
3. E1.00 – ELECTRICAL SITE PLAN
    A. **ADD** scope associate with site lighting relocation. Refer to revised sheet included in this addendum.
4. M1.01A & M1.01B – MECHANICAL HVAC PLAN
    A. **REMOVE** bollards.

PITTSBURG STATE UNIVERSITY

1701 BROADWAY ST
PITTSBURG, KS

WEEDE FIELDHOUSE

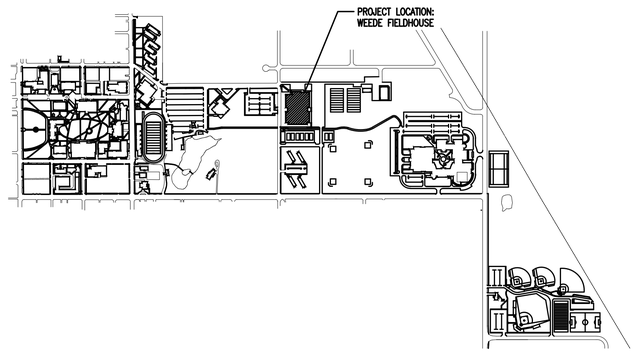
HVAC UPGRADES

PROJECT NUMBERS
A-014285

2150001628

FLOOR PROTECTION

CONTRACTOR SHALL PROVIDE FLOORING PROTECTION. PSU TO FURNISH CARPETS TO CONTRACTOR. CONTRACTOR TO PROVIDE PLYWOOD. CONTRACTOR SHALL INSTALL CARPET WITH PLYWOOD OVERLAY TO PROTECT GYMNASIUM WOOD FLOOR. CONTRACTOR TO RETURN CARPET TO PSU.



1 PROJECT LOCATION MAP
SCALE: NO SCALE

N

DRAWING INDEX - PACKAGE 1 (DAKTRONICS)

GENERAL
G0.00	COVER SHEET

ELECTRICAL
E0.00.A	ELECTRICAL LEGEND
E1.01A.A	ELECTRICAL POWER PLAN
E1.01B.A	ELECTRICAL POWER PLAN
E1.01C.A	ELECTRICAL POWER PLAN
E1.01D.A	ELECTRICAL POWER PLAN
E1.02A.A	ELECTRICAL POWER PLAN
E1.02B.A	ELECTRICAL POWER PLAN
E1.02C.A	ELECTRICAL POWER PLAN
E8.00.A	ELECTRICAL ONE-LINES

DRAWING INDEX - PACKAGE 2 (HVAC)

GENERAL
G0.00	COVER SHEET

STRUCTURAL
S0.00	STRUCTURAL PLANS AND SECTIONS

MECHANICAL
M0.00	MECHANICAL COVER SHEET
M1.01A	MECHANICAL HVAC PLAN
M1.01B	MECHANICAL HVAC PLAN
M1.02A	MECHANICAL HVAC PLAN
M1.02B	MECHANICAL HVAC PLAN
M3.00	MECHANICAL DETAILS
M4.00	MECHANICAL SCHEDULES
M5.00	MECHANICAL CONTROLS
MD1.01A	MECHANICAL HVAC DEMO PLAN
MD1.01B	MECHANICAL HVAC DEMO PLAN
MD1.02A	MECHANICAL HVAC DEMO PLAN
MD1.02B	MECHANICAL HVAC DEMO PLAN
MD1.02C	MECHANICAL HVAC DEMO PLAN
MD1.02D	MECHANICAL HVAC DEMO PLAN

ELECTRICAL
E0.00	ELECTRICAL LEGEND
E1.00	ELECTRICAL SITE PLAN
E1.01A	ELECTRICAL POWER PLAN
E1.01B	ELECTRICAL POWER PLAN
E1.01C	ELECTRICAL POWER PLAN
E1.01D	ELECTRICAL POWER PLAN
E1.01F	ELECTRICAL POWER PLAN
E1.02A	ELECTRICAL POWER PLAN
E1.02B	ELECTRICAL POWER PLAN
E1.02D	ELECTRICAL POWER PLAN
E8.00	ELECTRICAL ONE-LINES
ED1.02A	ELECTRICAL POWER DEMO PLAN
ED1.02B	ELECTRICAL POWER DEMO PLAN
ED1.02C	ELECTRICAL POWER DEMO PLAN
ED1.02D	ELECTRICAL POWER DEMO PLAN

PLUMBING
P0.00	PLUMBING GENERAL NOTES AND DETAILS
P1.00	PLUMBING SITE PLAN
PD1.02A	PLUMBING DEMO FLOOR PLAN
PD1.02B	PLUMBING DEMO FLOOR PLAN
PD1.02C	PLUMBING DEMO FLOOR PLAN
PD1.02D	PLUMBING DEMO FLOOR PLAN
PD1.02B	PLUMBING DEMO FLOOR PLAN

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LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
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DATE: 05-28-2021 DRAWN BY:

REVISIONS

#	NAME	DATE
1	ADDENDUM 1	06.15.21

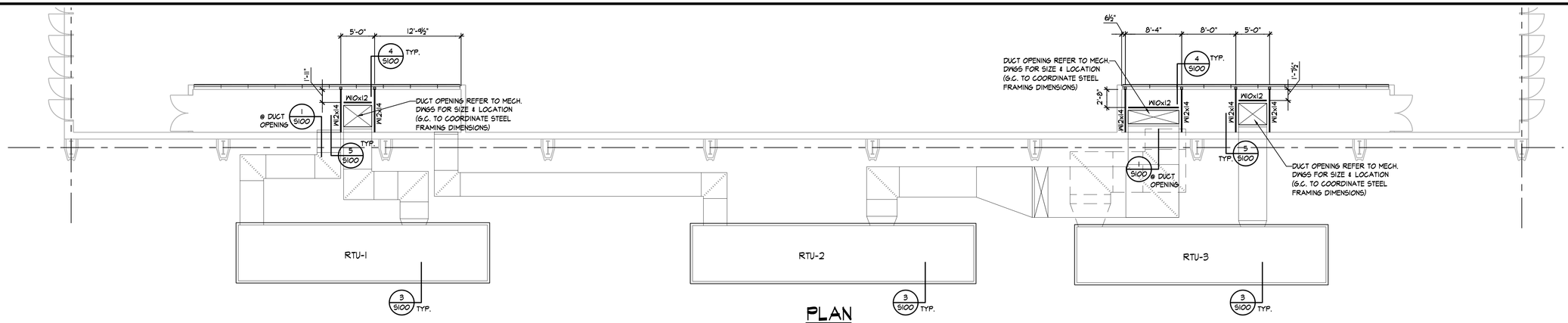
COVER SHEET

A-014285

G0.00

100% BID AND PERMIT

CURTIS A. OLDS



PLAN
⅛" = 1'-0"

1. General Information

A. The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.
B. The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural, mechanical, or electrical drawings. In the case of work in an existing building the contractor shall scan existing structure to locate all rebar in the area of the new core/opening using ground penetrating radar and notify the engineer of record for review prior to coring/cutting. Conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.
C. All design and construction work for this project shall conform to the requirements of the following governing design codes:
   1.) International Building Code (IBC 2018) as amended by the city of Pittsburg, Kansas.
   2.) Minimum Design Loads for Buildings and Other Structures (ASCE7-16)
   3.) Specification for Structural Steel Buildings (AISC 360-16)
   Member Design Basis is Allowable Stress Design (ASD)
   Connection Design Basis is Allowable Stress Design (ASD)
   4.) Structural Welding Code (AWS D1.3-98)
   5.) Building Code Requirements for Structural Concrete (ACI 318-14)
   6.) Building Code Requirements for Masonry Structures (TMS 402/602-16)
   7.) North American Specification for the Design of Cold-Formed Steel Structural Members (AISI S100-07/S1-1)
   8.) National Design Specification (NDS) for Wood Constriction with 2012 Supplements (ANSI/AWC NDS-2012)
   9.) Special Design Provisions for Wind and Seismic (AWC SDPWS-2008)
D. These drawings are for this specific project and no other use is authorized.

2. Structural Load Design Criteria

A. Roof Live = 30 psf; Roof Dead = 15 psf
B. Snow: Pg = 20 psf, Pf =14psf, Is = 1.0, Ce = 1.0, Ct = 1.0, Drift per ASCE/SEI 7
C. This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the International Building Code.

3. Concrete

A. All concrete shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.
B. The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability.
C. The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced.
D. Combined aggregate (coarse plus fine) for all concrete shall be well graded from coarsest to finest with no more than 18 percent and not less than 8 percent retained on an individual sieve, except that less than 8 percent may be retained on coarsest sieve and on No. 50 and finer sieves. Submit this gradation report with the concrete mix design shop drawings.
E. All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current editions.
F. Control joints in dirt formed slab to be as shown on plans. Where not shown, limit controlled areas to not more than 144 square feet, or 12 feet on any side. Slab panel side ratio shall not exceed 1 1/2 to 1.
G. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
H. No aluminum items shall be embedded in any concrete.

4. Reinforcing Steel

A. All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A185.
B. Clear minimum coverage of concrete over reinforcing steel shall be as follows:
   1.) Slabs: 1"
   2.) Other 2"
   All coverage shall be nominal bar diameter minimum.
C. All dowels shall be the same size and spacing as adjoining main bars (splice lap 48 bar diameters or 24" minimum unless noted otherwise).
D. At corners of all walls, beams, and grade beams supply corner bars (minimum 2'-0" in each direction or 48 bar diameters) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 - #4 vertical support bars for corner bars.
E. Bars marked continuous and all vertical steel shall be lapped 48 bar diameters (2'-0" minimum) at splices and embedments, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise.
F. Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet.

5. Structural Steel

A. All structural steel beams and columns shall be ASTM A992, grade 50 steel and all miscellaneous steel shall be ASTM A36 grade steel (except at moment connections where plates shall be ASTM A572, grade 50). Hollow Structural Sections (HSS) shall be ASTM A500, grade B. Fabrication and erection shall be in accordance with AISC 303-05 "Code of Standard Practice for Steel Buildings and Bridges" in the 13th Edition of the AISC Steel Construction Manual.
B. All welding shall conform to the recommendations of the AWS.
C. All exterior steel and connections, and brick relief angles shall be hot-dip galvanized.
D. All openings in steel existing joist roof to have 3x3x1/4 angle frame set between joists. Support mechanical equipment with 4x4x5/16 angles laid between joists framed to 4x4x5/16 angles (length equals mechanical unit dimension plus distance each end to next panel point) laid parallel to and welded to top and/or bottom cord of joists to distribute load to joist panel points.

6. Shop Drawing Review

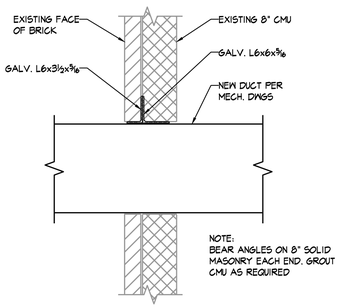
A. Bob D. Campbell and Company, Inc. will review the General Contractor 's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc.
B. Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:
   1.) Review each submission for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.
   2.) Review and approve each submission.
   3.) Stamp each submission as approved.
C. Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.
D. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions without GC approval stamp.
E. Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the GC.
   1.) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement.
   2.) Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.
   3.) Structural steel shop drawings including erection drawings and piece details. Include joist, decking and connector submittals. Include miscellaneous framing specified on the structural drawings, but do not submit framing specified on non-structural drawings for Bob D. Campbell and Company, Inc. review.

7. Statement of Structural Special Inspections

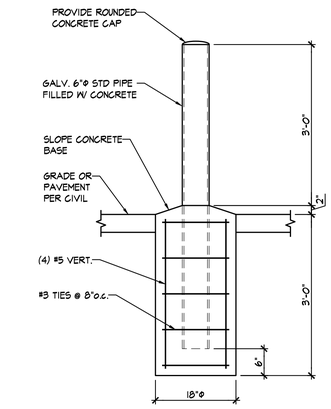
A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
B. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.
C. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
D. The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code.
E. The following inspections and tests are required with the frequency (continuous or periodic) as defined within the referenced section or standard listed below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those inspections.
1. Shop Fabrication – structural steel and steel bar joist per Section 1704.2.5 unless AISC certified shop
2. Steel Construction per Section 1705.2 and the quality assurance requirements of AISC 341 Chapter J (as referenced by AISC 360)
3. Concrete Construction per Section 1705.3 and Table 1705.3
   a. Reinforcing Steel Placement
   b. Design Mix Verification
   c. Concrete Sampling and Testing
   d. Concrete Placement
   e. Concrete Curing
   f. Formwork Shape, Location and Dimensions

8. Copyright and Disclaimer

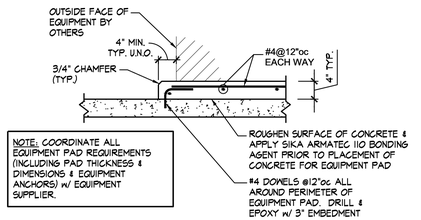
A. All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner.
B. I, Wayne E. Davis, P.E., registered engineer and a representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.



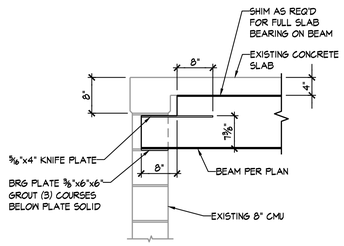
SECTION 1 S100
¾" = 1'-0"



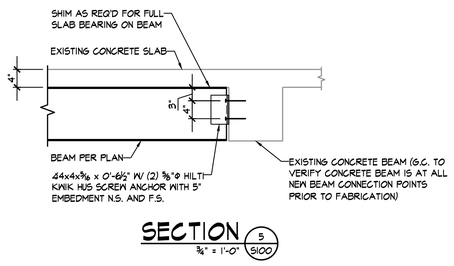
TYPICAL PIPE BOLLARD DETAIL 2 S100
¾" = 1'-0"



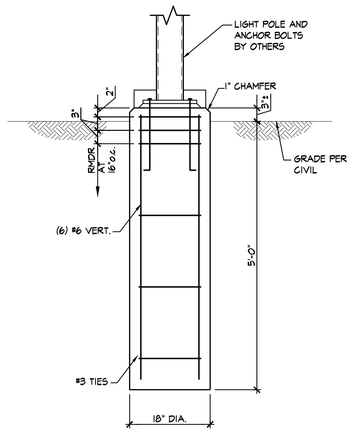
TYPICAL EQUIPMENT PAD 3 S100
¾" = 1'-0"



SECTION 4 S100
¾" = 1'-0"



SECTION 5 S100
¾" = 1'-0"



TYPICAL LIGHT POLE BASE
NOTE: MAX. POLE HEIGHT = 15'-0"

SECTION 6 S100
¾" = 1'-0"

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8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2150001628
KS. CORPORATE NUMBER E-325
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DATE: 05-28-2021 DRAWN BY: WED

REVISIONS

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BOB D. CAMPBELL & CO.
Structural Engineers Since 1957
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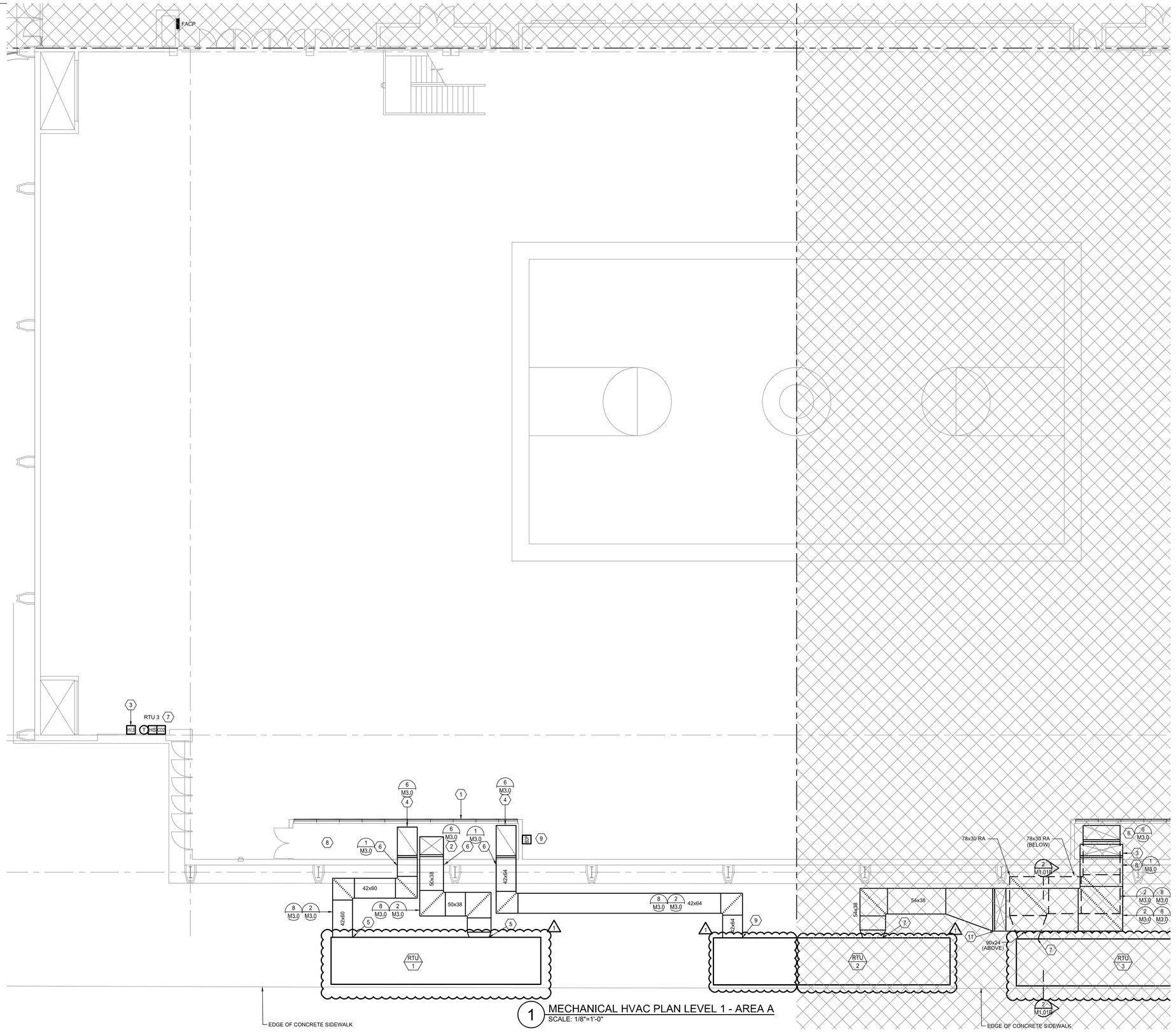
STRUCTURAL PLANS AND SECTIONS

A-014285

S100

100% BID AND PERMIT

BERKLEY R. OSBORN

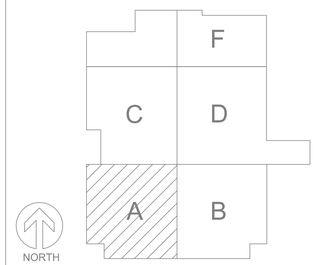


1 MECHANICAL HVAC PLAN LEVEL 1 - AREA A
SCALE: 1/8"=1'-0"

MECHANICAL PLAN NOTES:

1. REUSE EXISTING 48"x34" GRILLES MOUNTED LOW IN WALL FOR RETURN AIR. VACUUM GRILLES AND WIPE THEM CLEAN OF ANY DUST OR DEBRIS.
2. 50x38 SUPPLY AIR UP WALL AND THRU CEILING OF STORAGE ROOM TO TRUSS SPACE. RE: M1.02A FOR CONTINUATION.
3. LOCATE HVLS 1 CONTROLLER ON WALL ADJACENT TO RTU 1 THERMOSTAT, HUMIDITY SENSOR, AND CARBON DIOXIDE SENSOR.
4. TURN RETURN AIR DUCT UP IN STORAGE ROOM AND ROUTE UP TO 4FT BELOW CEILING. COVER RETURN AIR OPENING IN RETURN AIR DUCT WITH 1/2" GALVANIZED STEEL BIRD SCREEN. STICK PIN 2" THINK FIBROUS BLACK DUCT LINER TO THE UNDERSIDE OF THE CEILING ABOVE RETURN DUCT FOR SOUND ABSORPTION.
5. TRANSITION FROM UNIT OPENING SIZE TO DUCT SIZE INDICATED ON PLAN. BOTTOM OF DUCT SHALL BE MINIMUM 24" ABOVE GRADE.
6. ROUTE DUCT THROUGH PERIMETER WALL INTO STORAGE ROOM. REFER TO STRUCTURAL DRAWINGS FOR EXTERIOR WALL PENETRATION REQUIREMENTS.
7. PROVIDE SURFACE MOUNTED 1" CONDUIT FOR CONTROL WIRE FROM RTU CONTROLLER TO EACH RTU SENSOR. PAINT TO MATCH ADJACENT SURFACE.
8. COORDINATE WITH DIVISION 28 CONTRACTOR TO RELOCATE EXISTING STORAGE ROOM LIGHTS AS NEEDED TO ROUTE DUCTWORK IN STORAGE ROOM.
9. PROVIDE SURFACE MOUNTED CONDUIT FOR CONTROL WIRE FROM RTU CONTROLLERS TO BUILDING PRESSURE SENSOR. PAINT TO MATCH ADJACENT SURFACE.

KEY PLAN



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8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
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DATE: 05-28-2021 DRAWN BY: HEI

REVISIONS

#	NAME	DATE

KELLEY PATRICIA CRAMM LICENSED 13408 KANSAS PROFESSIONAL ENGINEER

06/15/2021

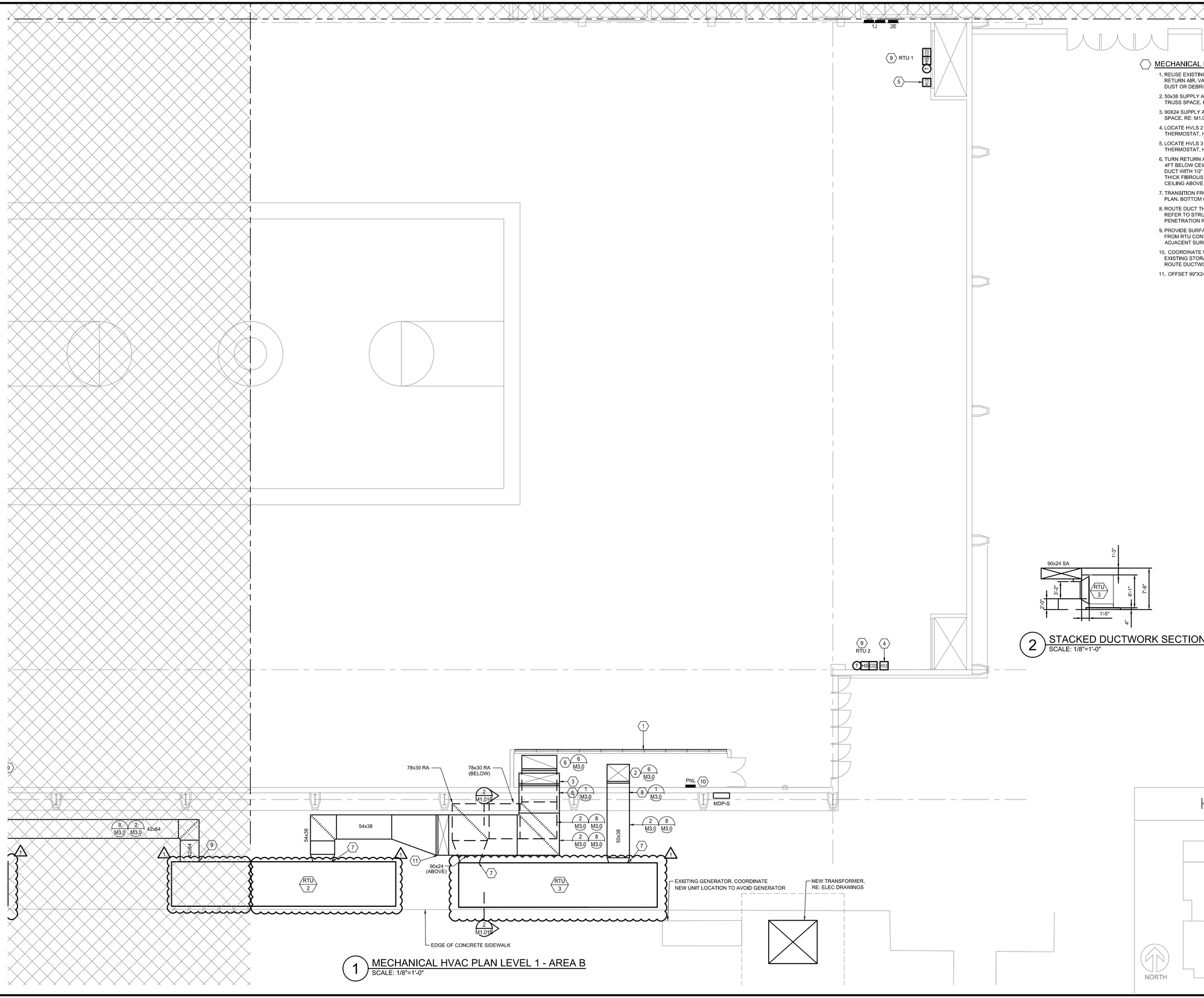
MECHANICAL HVAC PLAN

A-014285

M1.01A

100% BID AND PERMIT

KELLEY P. CRAMM



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215001628
KS. CORPORATE NUMBER: E-325
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KELLEY PATRICIA CRAMM LICENSED 13408 KANSAS PROFESSIONAL ENGINEER
06/15/2021

MECHANICAL
HVAC PLAN

A-014285

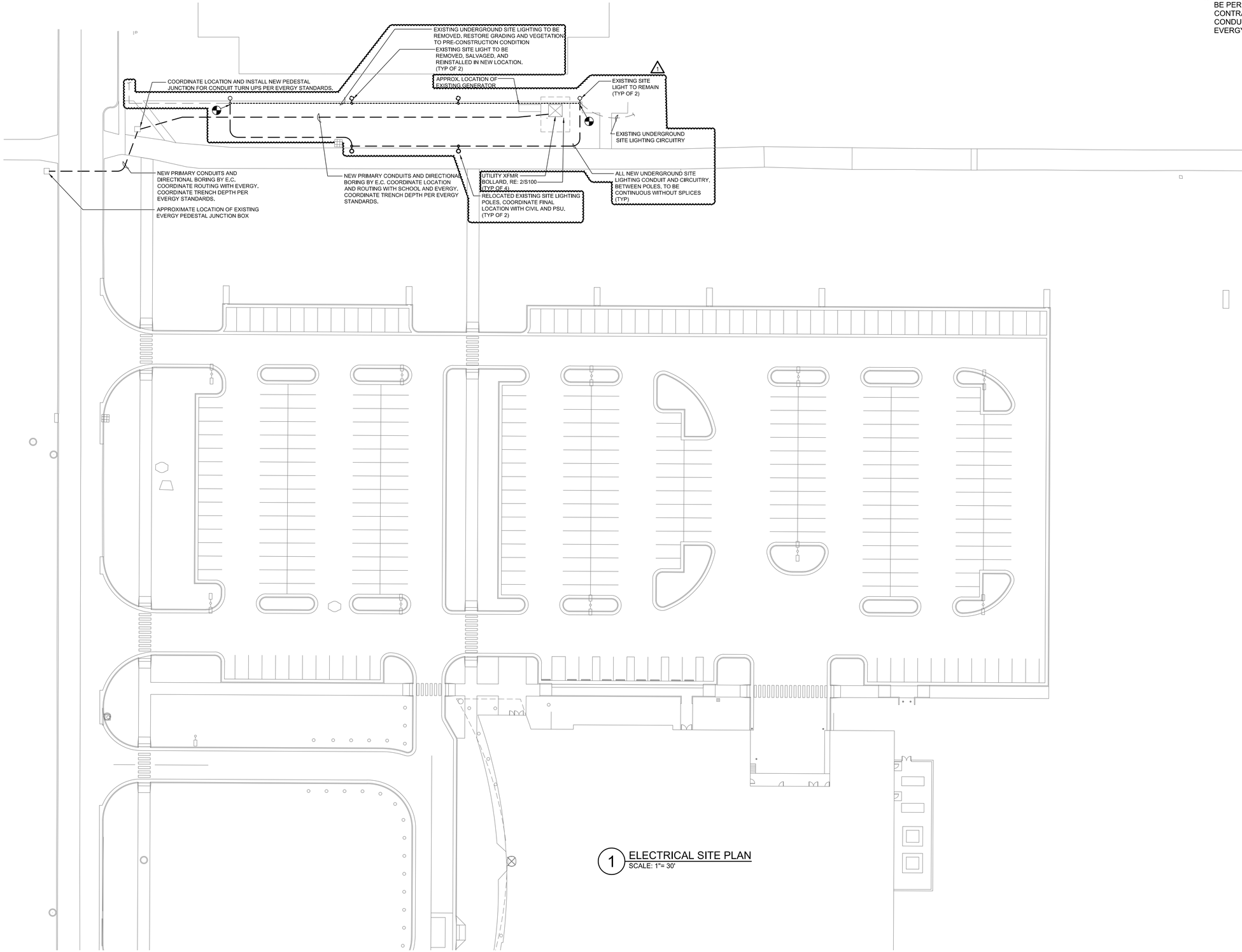
M1.01B

100% BID AND PERMIT

KELLEY P. CRAMM

ELECTRICAL GENERAL NOTES:

1. ALL SITE (PRIMARY) ELECTRICAL WORK TO BE PERFORMED BY AN EVERGY CERTIFIED CONTRACTOR ONLY. PRIMARY CONDUCTORS AND TERMINATIONS BY EVERGY.



1 ELECTRICAL SITE PLAN
SCALE: 1"= 30'

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8345 LENEXA DRIVE, SUITE 300
LENEXA, KANSAS 66214
TEL 913.742.5000 FAX 913.742.5001
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CURTIS A. OLDS LICENSED 26555 KANSAS PROFESSIONAL ENGINEER

06/14/2021

ELECTRICAL SITE PLAN

A-014285

E1.00

100% BID AND PERMIT

CURTIS A. OLDS