



DATE ISSUED September 26, 2014

ADDENDUM # 2

ENGINEER Engineering Technologies, Inc.
825 M Street, Suite 200
Lincoln, NE 68508

PROJECT LPS Security/Technology Ready Facilities – Project F

ETI PROJECT # 2014-028

The Architect issues this Addendum to all known bidders before receipt of proposals. Bidder shall acknowledge the receipt of this addendum on their proposal sheet and all information contained herein shall become a part of the contract documents.

ADDENDUM:

GENERAL – TELECOMMUNICATIONS

- 1. Where HDMI cable is being installed in existing 3/4" conduit the following cable shall be utilized:
A. 30ft HDMI – Monoprice Ultra Slim Series #9430.
B. 40ft HDMI – Monoprice Ultra Slim Series #9431.
2. Provide a 5ft slack loop coiled above the ceiling for the HDMI and Cat 6 patch cable at all future projector locations.
3. At Kahoa, Zeman, and Rousseau provide a #6 grounding conductor to each data closet from the nearest panel board. Jumper to each rack in each closet.
4. Provide grounding for all new data racks installed in each school.
5. See attached Sign-In sheet for the pre-bid attendance.

SPECIFICATIONS – TELECOMMUNICATIONS

- 1. Section 00 1113 – ADVERTISEMENT FOR BIDS
A. SCOPE OF NOTICE
i. Change Anticipated Completion date to: May 1, 2015.
2. Section 00 4100 – BID FORM
A. Replace Bid Form with attached revised Bid Form.
3. Section 01 1000 – SUMMARY
A. Paragraph 1.05 – CONTRACTOR USE OF SITE AND PREMISIES
i. Line E – Time Restrictions
(a) Replace line 3 with the following: "All schools are open for construction activity between the hours of 5:00pm and 5:00am Monday through Sunday. No construction activity will be allowed outside of these hours."

DRAWINGS – TELECOMMUNICATIONS

Kahoa

- 1. Sheet 140.T01A
A. In Kindergarten 103 provide a Note 16 to the new receptacle circuit.
B. In Library 146 delete the new receptacle and new data outlet on the west wall.
2. Sheet 140.T01B
A. Kitchen 127 – The WAP should have 2,0 next to it.
B. Art 128B – Change Note 9 pointing to the WAP to Note 3.

Rousseau

1. General for Rousseau – All 4000 series wiremold locations that HDMI is running down to will require a different HDMI coupler and Keystone type 106 frame. The information for the coupler is HDMI F/F coupler Keystone – 90 degree part number 3615.
2. Sheet 165.T01A
 - A. In 3rd Grade 123 the receptacle circuit for the new receptacle on the north wall shall have a homerun with Note 5 attached to it.
3. Sheet 165.T01B
 - A. Kindergarten 112 – Change Note 15 to Note 11 at the west wall. Change Note 11 to Note 15 on the east wall.
4. Sheet 165.T21
 - A. Detail A9 - A new Cat 6 patch panel and a new horizontal wire management will be required in this rack for the new Cat 6 drops.

Zeman

1. Sheet 169.T01B
 - A. Multipurpose 105 – See attached drawing for clarification of projector cabling.
 - B. SPED 112
 - i. The Note 11 in the south end of this room does not have a leader arrow. The note shall point to the existing data outlet with two existing cables located on the east wall adjacent to ALE112A.
 - ii. Change the Gear Box to 2,1 in lieu of 2,2.
2. Sheet 169.T21
 - A. Detail A1 - Provide an additional wire management above new Cat6 patch panel.

North Star High School

1. General Notes
 - A. Change all Data Rooms to letters in lieu of numbers, 1 will be A, 2 will be B, etc.
 - B. Gyms equipped with Fire Alarm Smoke Beam on West wall and will set off alarm if tripped.
2. Sheet 305.T00B – In the center core all cabling north of the elevator, Rooms C101 thru C110, shall feed from Serv Comm C200A.
3. Sheet E305.T00C – See attached drawing for data boundaries.
4. Sheet 305.T02D – The gym WAP's should indicate 2,0.
5. Sheet E305.T02G – Reception C101 the WAP should indicated 2,0.
6. Sheet 306.T02F – The existing fire alarm strobe in new Telecom C114A shall be relocated to serve Stor-Gen C114 on the new wall. Provide blank cover over existing box.
7. Sheet E3058.T02G – Reception C101 the WAP should indicated 2,0.
8. Sheet E305.T03B
 - A. Relocate WAP from E200E to E200.
 - B. See attached drawing for new layout of WAPS in Auditorium.
9. Sheet 305.T21
 - A. Detail P18 – Provide a new free standing equipment rack with new fiber, data and management.
 - B. Detail G18 – Provide a new free standing equipment rack with new fiber, data and management.
 - C. Detail P11 – The wrong picture is shown. There is an existing rack that is empty and all new fiber, data, and management shall be installed in this empty rack.
 - D. Detail A1 – All new fiber, data, and management shall be installed in the left rack. LPS staff will move all of the existing switches to allow room.
 - E. Detail P1 – The fiber enclosure required to house all of the fiber from the “A” closet will require 4RU so the Contractor shall move other equipment down at least 4RU.
10. Sheet 305.TS00
 - A. The outside fiber cable indicated in Notes 2 and 4 shall be rated Indoor/Outdoor cable OM3 and OM4 respectively.
 - B. The circuits to the camera poles may be bored using Schedule 40 HDPE.
 - C. See attached details for camera pole and camera pole cabinet.

Southwest High School

1. General Notes
 - A. Change all Data Rooms to letters in lieu of numbers, 1 will be A, 2 will be B, etc.
 - B. Gyms equipped with Fire Alarm Smoke Beam on Northeast wall and will set off alarm if tripped.
2. Sheet 3.06T00B – The boundaries shall indicate all cabling east of the elevator shall feed to Serv Comm C200A, this is for rooms C101 thru C110.
3. Sheet 306.T02F – The existing fire alarm strobe in new Telecom C114A shall be relocated to serve Stor-Gen C114 on the new wall. Provide blank cover over existing box.
4. Sheet 306.T02D – The gym WAP's should indicate 2,0.
5. Sheet 306.T02G – is missing. See attached drawing.
6. Sheet 306.T03B
 - A. Relocate WAP from E200A to E200.
 - B. See attached drawing for new layout of WAPS in Auditorium.
7. Sheet 306.T21
 - A. Detail P1 – The fiber enclosure required to house all of the fiber from Closet "A" will require 4RU so the Contractor shall move all other equipment down at least 4RU.
 - B. Detail A1 – All new fiber, data, and management shall be installed in the right rack as indicated but at the top of rack. LPS will move all existing switches to allow room.
8. Sheet 306.TS00
 - A. The outside fiber cable indicated in Note 2 shall be rated Indoor/Outdoor cable OM3.
 - B. The circuits to the camera poles may be bored using Schedule 40 HDPE.
 - C. See attached details for camera pole and camera pole cabinet.

Attachments

END OF ADDENDUM

BID FORM

LPS Sealed Bid #7636-F

TO

Board of Education of Lancaster County School District 001 (the Owner)
Attention: Purchasing Office
Facilities and Maintenance
800 South 24th Street
Lincoln, NE 68510

FOR

Lincoln Public Schools Security/Technology Ready Facilities Projects – Project F Zeman Elementary School, Rousseau Elementary School, Kahoa Elementary School North Star High School, Southwest High School

BIDDER INFORMATION

Bidders Legal Name: _____ Dated _____
(a Corporation organized and existing under the laws of the State of _____)

Address _____

City, State, Zip _____

Phone No. _____ Fax No. _____

BID AMOUNT

We, the bidder, acknowledge receipt of the following Addendum or Addenda. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.

Addendum # _____ Date _____
Addendum # _____ Date _____
Addendum # _____ Date _____

The undersigned in compliance with your Invitation for Bids for the LPS Security/Technology Ready Facilities Projects – Project F, having examined the plans and specifications with related documents and the site of the proposed work and being familiar with all of the conditions surrounding the construction of the proposed project, including the availability of labor, hereby propose to furnish all labor, materials and supplies and to construct the project in accordance with the Contract Documents, at the prices stated below. The prices are to cover all expenses incurred in performing the work required under the Contract Documents of which this proposal is a part.

We have included the required 5% security Bid Bond as required by the Instruction to Bidders. Indicate in writing as “Yes” that security is enclosed with this Bid Form: _____.

BASE BID: For all work described in the specifications and shown on the plans for the project, we agree to perform all work for the Base Bid sum of:

_____ Dollars
(Amount written in words)

\$ _____
(Amount written in figures)

As part of Bid, the Bidder declares that he/she is and will comply with the Nebraska Fair Labor SS73-102 to 73-105 RRS Nebr. in pursuit of its business and in execution of this Contract.

UNIT PRICES

Unit Price 1:

Cost to add or delete two Category 6A cables to any location. Unit price shall include jack, cable, installation, termination, testing and labeling.

\$ _____ Dollars
(\$ _____)

Unit Price 2:

Cost to add or delete one Category 6A cables to any location. Unit price shall include jack, cable, installation, termination, testing and labeling.

\$ _____ Dollars
(\$ _____)

Unit Price 3:

Cost to add or delete a complete new outlet configured as a standard single port Category 6 outlet to any location in a classroom from a classroom Gearbox. Unit price shall include back box, conduit or surface raceway pathway, face plate, jacks, cable, installation, termination, testing and labeling.

\$ _____ Dollars
(\$ _____)

Unit Price 4:

Cost to add a complete new Classroom AV Gearbox configured with Two (2) Category 6A, Four (4) Category 6 and Four-Plex Receptacle and circuit to any location. Unit price shall include boxes, circuits, conduit pathways, face plate, jacks, cable, installation, termination, testing and labeling.

\$ _____ Dollars
(\$ _____)

Unit Price 5:

Cost to add or delete a 120 Volt NEMA 5-20R receptacle with a dedicated 20 amp circuit from an existing electrical panel.

\$ _____ Dollars
(\$ _____)

Unit Price 6:

Cost to add or delete a 1 1/4" fire-rated sleeve

\$ _____ Dollars
(\$ _____)

Unit Price 7:

Cost to add or delete a 2" fire-rated sleeve.

\$ _____ Dollars
(\$ _____)

Unit Price 8:

Cost to add or delete a 4" fire-rated sleeve.

\$ _____ Dollars
(\$ _____)

ATTACHMENTS

1. Bid Security
2. Communications Contractor Certifications (Per Section 27 0501 Common Work Result For Communications).

ACCEPTANCE

This offer shall be open to acceptance and is irrevocable for forty-five (45) days from the bid closing date.

If this bid is accepted by the Owner within the time period stated above, we will:

1. Execute the Agreement within seven days of receipt of Notice of Award.
2. Furnish the required Performance and Payment Bonds within seven days of receipt of Notice of Award.
3. Commence work within seven days after written Notice to Proceed of this bid.

If this bid is accepted within the time stated, and we fail to commence the Work or fail to provide the required Performance and Payment Bonds, the security deposit shall be forfeited as damages to the Owner by reason of failure, limited in amount to the lesser of the face value of the security deposit of the difference between this bid and the bid upon which a Contract is signed.

In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

CONTRACT TIME

If this bid is accepted, we will:

1. Substantially complete all work by May 1, 2015

BID FORM SIGNATURE

If the Bid is a joint venture or partnership, add additional forms of execution for each member of the joint venture in the appropriate form or forms as above.

The Corporate Seal of:

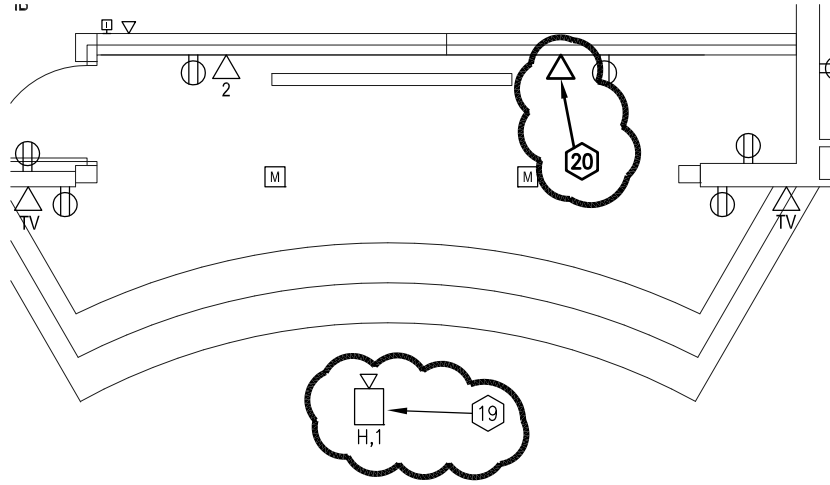
Bidder: _____

was hereunto affixed in the presence of:

Authorized Officer, Title: _____

Seal:

END OF SECTION



105 Multipurpose

LPS SECURITY & TECHNOLOGIES
UPGRADES PROJECT F - ZEMAN
FIRST FLOOR TELECOM PLAN
AREA "B"



SCALE: 1/8" = 1'-0"

MAB



Engineering Technologies Inc.
Mechanical & Electrical Building Solutions

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P 402.476.1273 | F 402.476.1274

1111 N. 13th Street, Suite 216 | Omaha, NE
68102 | P 402.330.2772 | F 402.330.2630

ETI Project No: (2014-028)

ADD #2

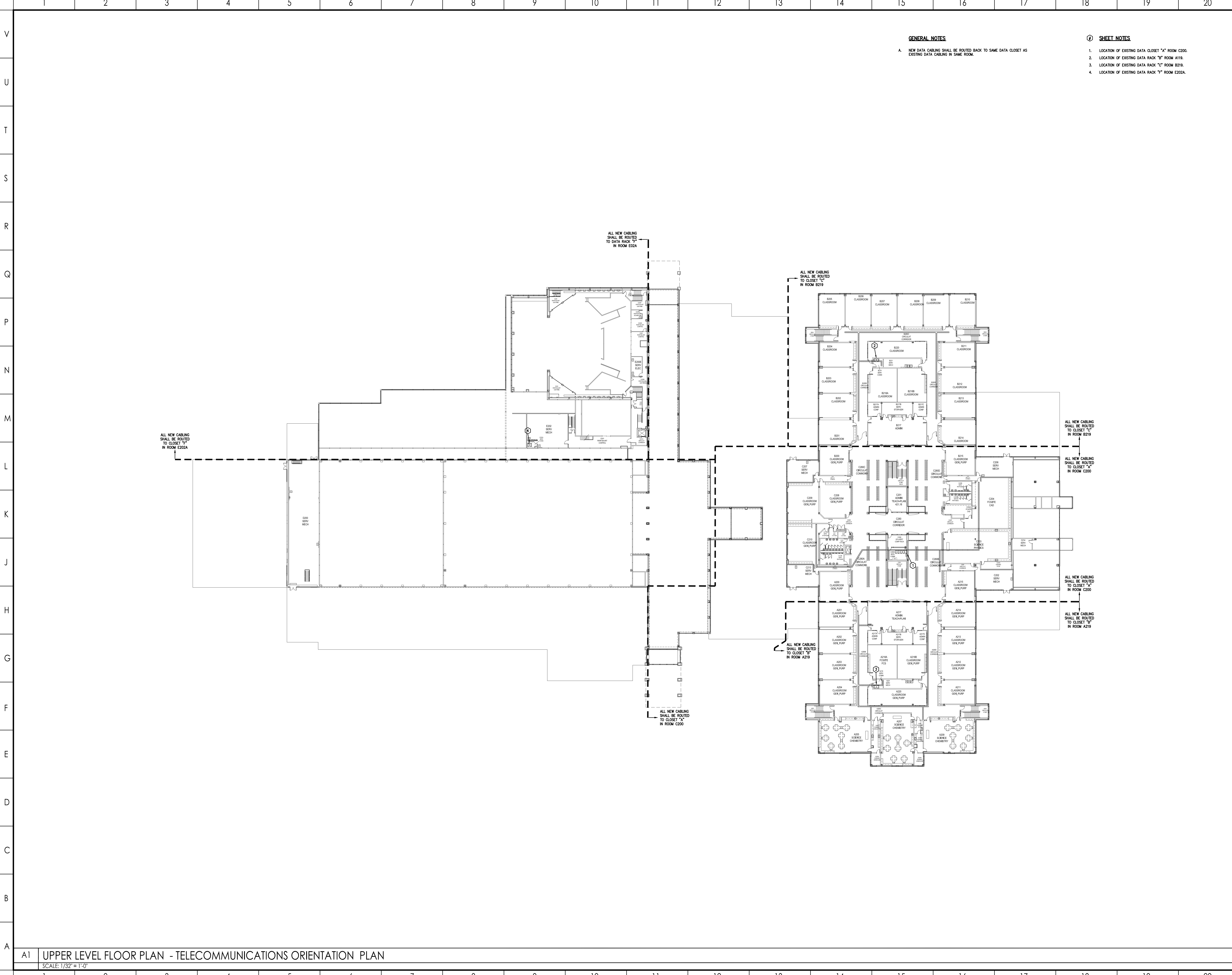
SHEET

169.T01B

ATTACHMENT NO.

1

09/26/2014

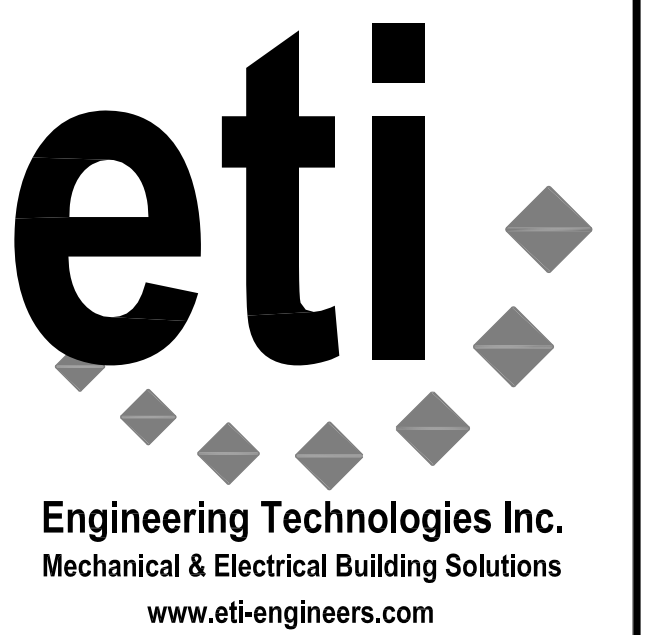


GENERAL NOTES

- A. NEW DATA CABLING SHALL BE ROUTED BACK TO SAME DATA CLOSET AS EXISTING DATA CABLING IN SAME ROOM.

SHEET NOTES

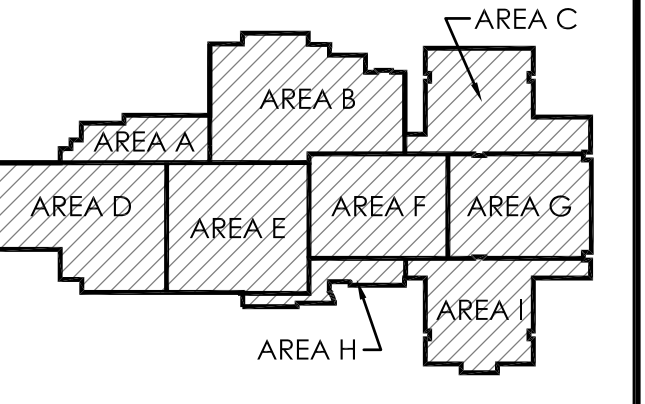
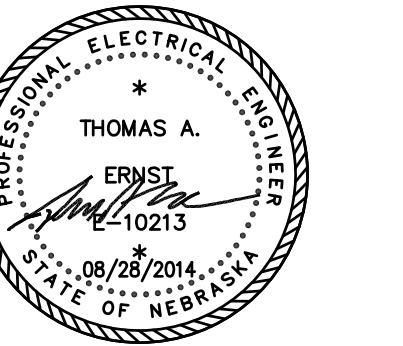
- 1. LOCATION OF EXISTING DATA CLOSET "A" ROOM C200.
- 2. LOCATION OF EXISTING DATA RACK "B" ROOM A119.
- 3. LOCATION OF EXISTING DATA RACK "C" ROOM B219.
- 4. LOCATION OF EXISTING DATA RACK "T" ROOM E202A.



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DATE: AUGUST 28, 2014	REVISION # - DATE
PROJECT NUMBER: 2014-028	
ELECT. ENGINEER: TAE	
MECH. ENGINEER: DLT	
ELECT. TECHNICIAN: MAB	
MECH. TECHNICIAN: TLD	



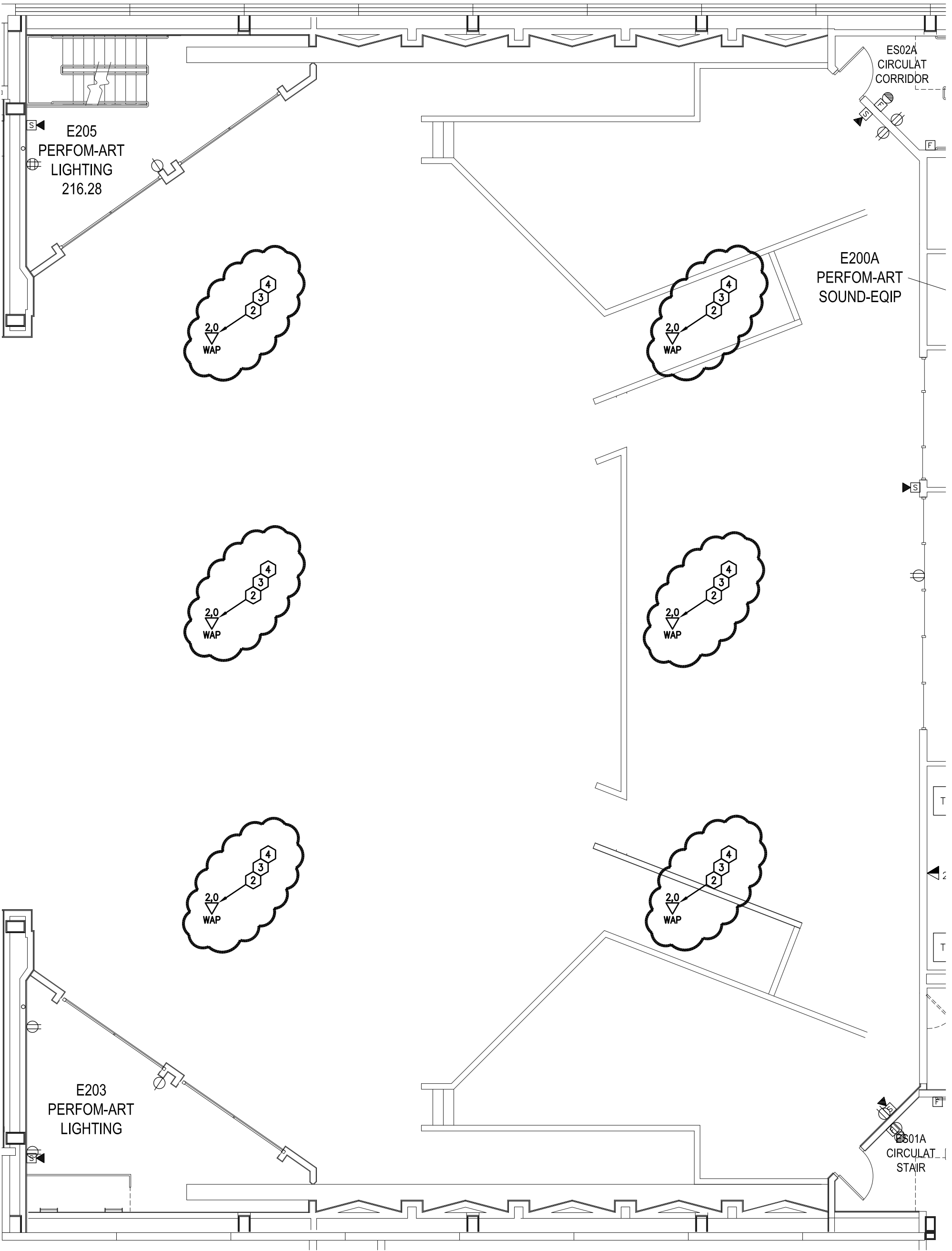
KEY PLAN
NO SCALE

LINCOLN PUBLIC SCHOOLS SECURITY AND TECHNOLOGY READY FACILITIES PROJECTS - PROJECT F
NORTH STAR HIGH SCHOOL UPPER LEVEL TELECOMMUNICATIONS ORIENTATION PLAN

A1 UPPER LEVEL FLOOR PLAN - TELECOMMUNICATIONS ORIENTATION PLAN
SCALE: 1/32" = 1'-0"

305.T00C

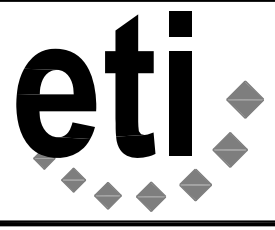
SHEET NOTES
 4. COORDINATE LOCATION OF WAP WITH OWNER.



LPS SECURITY & TECHNOLOGIES UPGRADES PROJECT F -
 NORTHSTAR HIGH SCHOOL UPPER LEVEL TELECOM PLAN
 AREA "B"

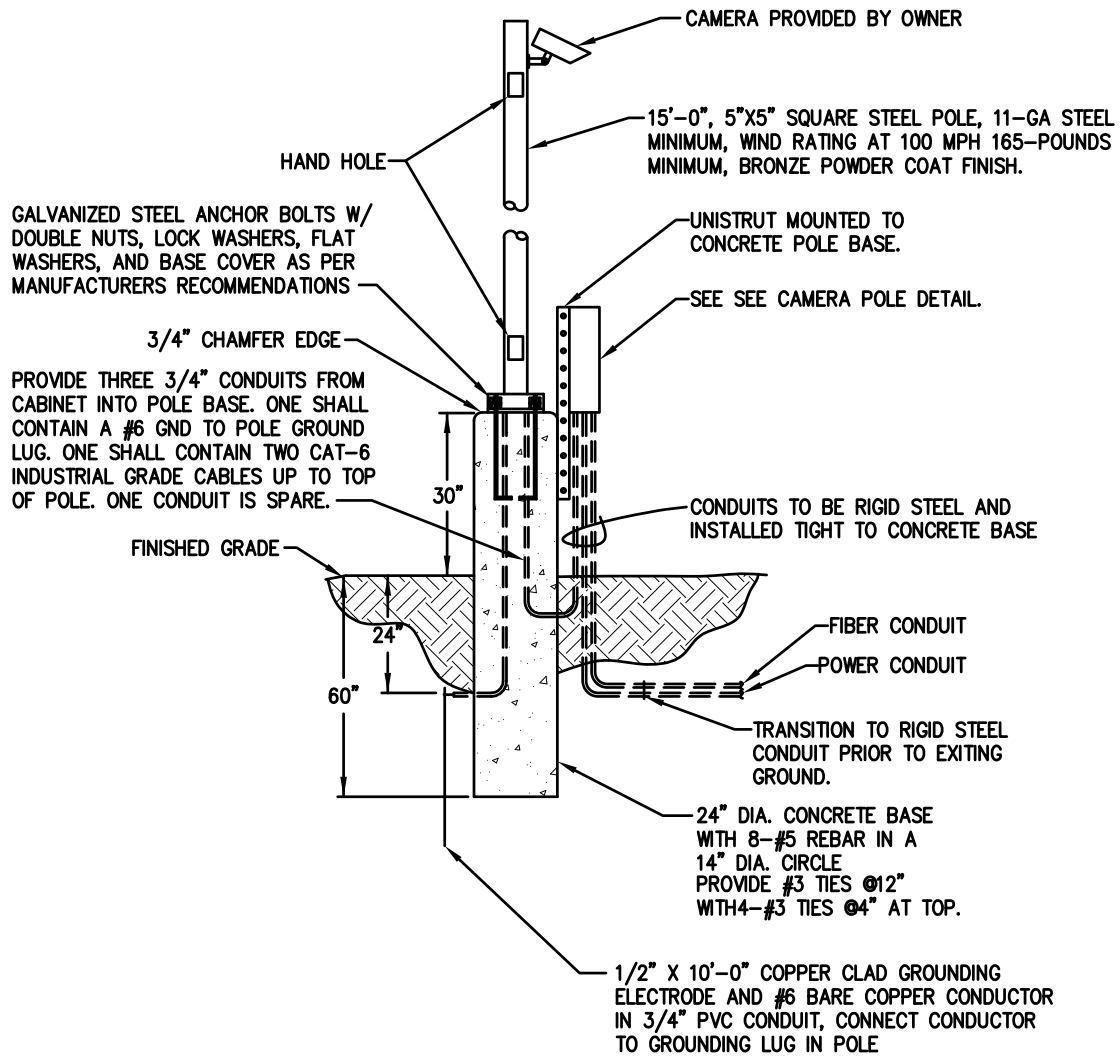
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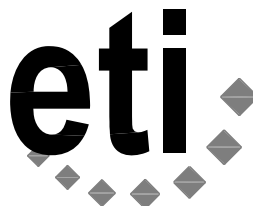
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 09/26/2014



TYPICAL POLE MOUNTED CAMERA DETAIL

NO SCALE

LPS SECURITY & TECHNOLOGIES
 UPGRADES PROJECT F -
 NORTHSTAR HIGH SCHOOL
 TELECOM SITE PLAN

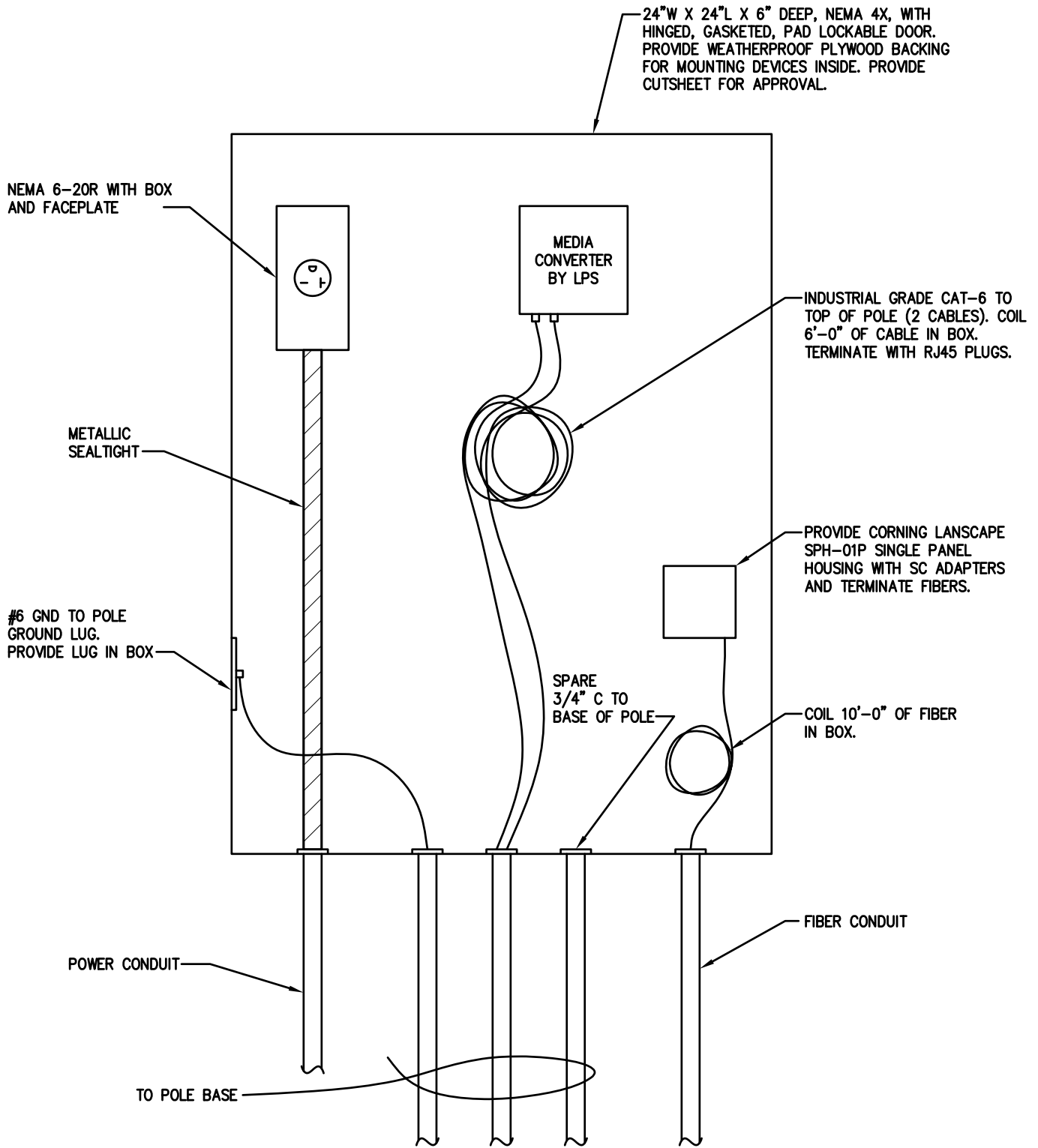


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 ETI Project No: (2014-028)

ADD #2
SHEET
305TS00
ATTACHMENT NO.
1
09/26/2014

SCALE: 1/8" = 1'-0"

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CAMERA POLE CABINET DETAIL

NO SCALE

LPS SECURITY & TECHNOLOGIES
 UPGRADES PROJECT F -
 NORTHSTAR HIGH SCHOOL
 TELECOM SITE PLAN



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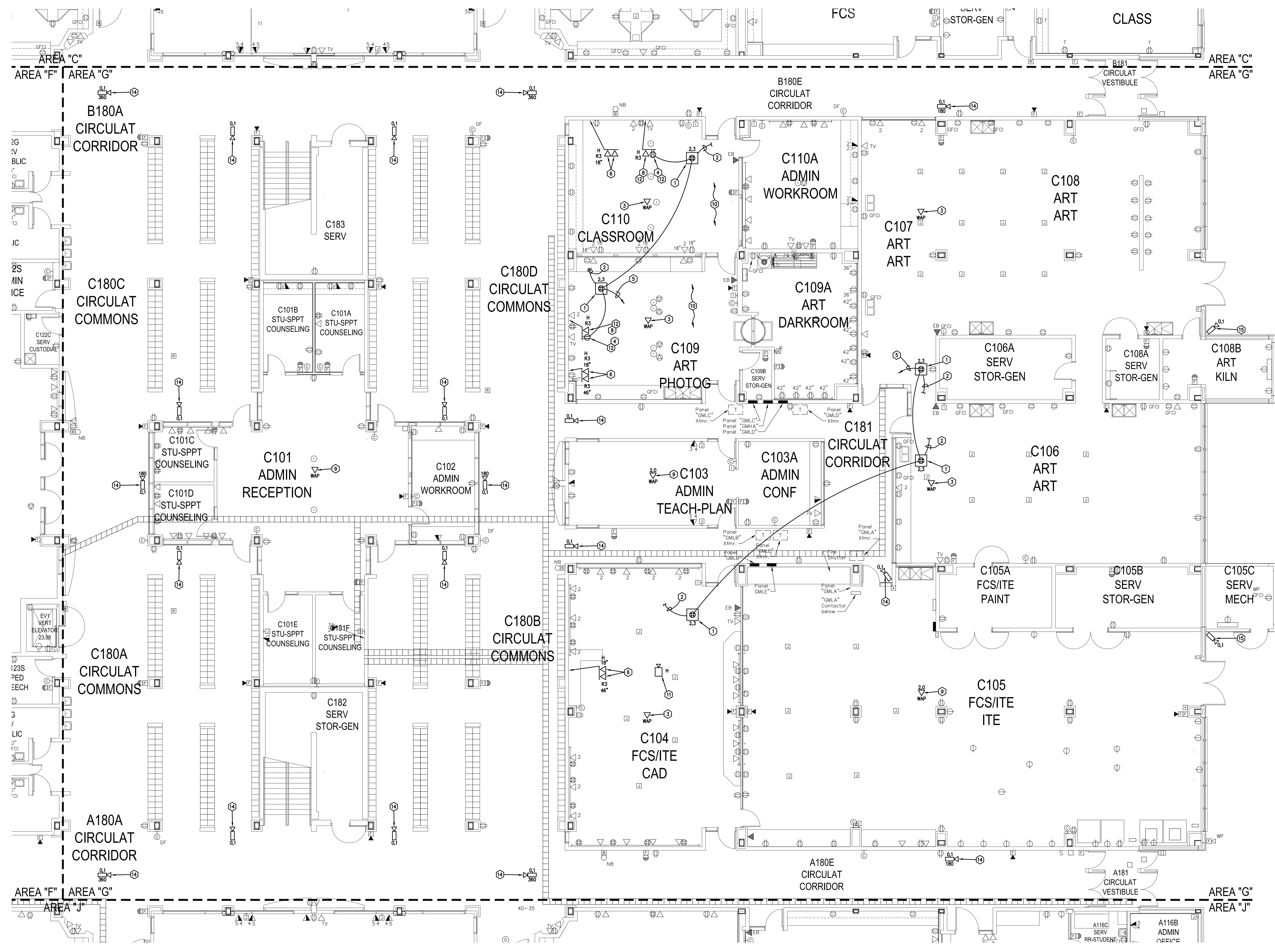
GENERAL NOTES

- A. ITEMS SHOWN IN BOLD PRINT ARE NEW.
- B. ITEMS SHOWN IN LIGHT PRINT ARE EXISTING.

SHEET NOTES

1. CEILING MOUNTED A/V GEAR BOX SHALL REPLACE ONE OF THE EXISTING 2'X2' ADJUSTABLE CEILING TILES. PROVIDE A QUAD-PLEX RECEPTACLE INSIDE THE A/V AND CIRCUIT AS SHOWN. REFER TO A/V GEAR BOX DETAIL ON SHEET 000.C106 AND SHEET 140.100 FOR DATA CLOSET LOCATION.
2. ROUTE TWO CAT-6A CABLES AND THREE CAT-6 CABLES TO CEILING MOUNTED A/V GEAR BOX FROM THE DESIGNATED TELECOM ROOM. SEE SHEET 305.100 FOR DATA CLOSET LOCATION.
3. WIRELESS ACCESS POINT. ROUTE TWO CAT-6A PATCH CABLES FROM A/V GEAR BOX TO WIRELESS ACCESS POINT. LOCATE WAP AS CLOSE TO CENTER OF ROOM AS EXISTING CONDITIONS WILL ALLOW. REFER TO DETAIL 8 AND DETAIL 12 ON SHEET 000.C106 FOR ADDITIONAL INFORMATION.
4. PROVIDE DUPLEX RECEPTACLE MOUNTED ABOVE WHITE BOARD FOR POWER CONNECTION TO WALL MOUNTED PROJECTOR AND CIRCUIT AS SHOWN. PROVIDE WIRELESS 2400 MHz RACKWAY AND ASSOCIATED BOX SURFACE MOUNTED TO WALL. REFER TO DETAIL 12 ON SHEET 000.C106 FOR ADDITIONAL INFORMATION.
5. ROUTE CIRCUIT TO EXISTING SPARE 20A/1P CIRCUIT BREAKER IN PANEL "OMLE" LOCATED IN CORRIDOR C181.
6. INSTALL A/V OUTLET AT 18" AFF AND PROVIDE A EMPTY 4-BOX AT 46" AFF WITH A BLANK COVER PLATE. ROUTE ONE HDMI CABLE FROM BOX AT 18" AFF TO THE PROJECTOR LOCATION. REFER TO DETAILS 2 AND 12 ON SHEET 000.C106 FOR ADDITIONAL INFORMATION.
7. TEACHING DESK LOCATION. ROUTE ONE CAT-6 PATCH CABLE FROM A/V GEAR BOX TO THIS LOCATION. REFER TO DETAIL 3 ON SHEET 000.C106 FOR ADDITIONAL INFORMATION.

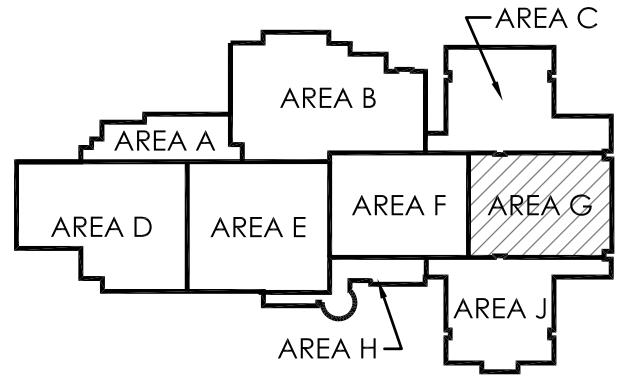
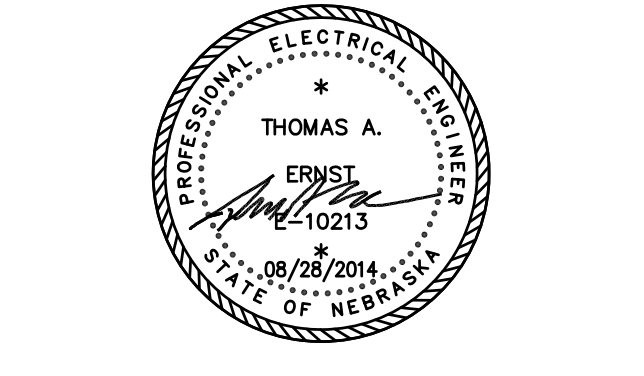
8. NEW WALL MOUNTED PROJECTOR LOCATION. ROUTE ONE CAT-6 PATCH CABLE FROM A/V GEAR BOX AND ROUTE ONE HDMI CABLE FROM BOX DESIGNATED BY NOTE #6 OR NOTE #7. REFER TO DETAIL 12 ON SHEET 000.C106 FOR ADDITIONAL INFORMATION.
9. WIRELESS ACCESS POINT. ROUTE TWO CAT-6A CABLES FROM THE TELECOM ROOM DATA RACK TO THE WIRELESS ACCESS POINT. REFER TO DETAIL 8 ON SHEET 000.C106 AND SHEET 140.100 FOR DATA CLOSET LOCATION.
10. REFER TO TECHNOLOGY READY CLASSROOM CABLING DETAIL, DETAIL 12 ON SHEET 000.C106 FOR ADDITIONAL INFORMATION.
11. EXISTING CEILING MOUNTED PROJECTOR LOCATION. ROUTE ONE CAT-6 CABLE FROM A/V GEAR BOX AND TERMINATE IN A SURFACE MOUNT BOX ABOVE ACCESSIBLE CEILING. PROVIDE CAT-6 PATCH CABLE FROM SURFACE BOX TO PROJECTOR. ROUTE ONE HDMI FROM A/V OUTLET LOCATED IN THIS ROOM REFER TO DETAIL 2 ON SHEET 000.C106 FOR ADDITIONAL INFORMATION.
12. CUT EXISTING TACK STRIP AS REQUIRED FOR INSTALLATION OF NEW WIREMOLD. REFER TO DETAIL 2 ON SHEET 000.C106 FOR ADDITIONAL INFORMATION.
13. LOCATION OF EXISTING SLEEVE THROUGH THE WALL ABOVE THE ACCESSIBLE CEILING.
14. INTERIOR SECURITY CAMERA ROUGH IN LOCATION. ROUTE ONE CAT-6 CABLE FROM THE TELECOM ROOM RACK TO CAMERA LOCATION. REFER TO DETAIL 7 ON SHEET 000.C106 FOR ADDITIONAL INFORMATION.
15. FUTURE EXTERIOR CAMERA. COIL 15' OF CAT-6 CABLE ABOVE ACCESSIBLE CEILING ON INSIDE OF THE WALL.



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DATE: AUGUST 28, 2014	REVISION # - DATE
PROJECT NUMBER: 2014-028	
ELECT. ENGINEER: TAE	
MECH. ENGINEER: DLT	
ELECT. TECHNICIAN: MAB	
MECH. TECHNICIAN: TLD	



KEY PLAN
NO SCALE

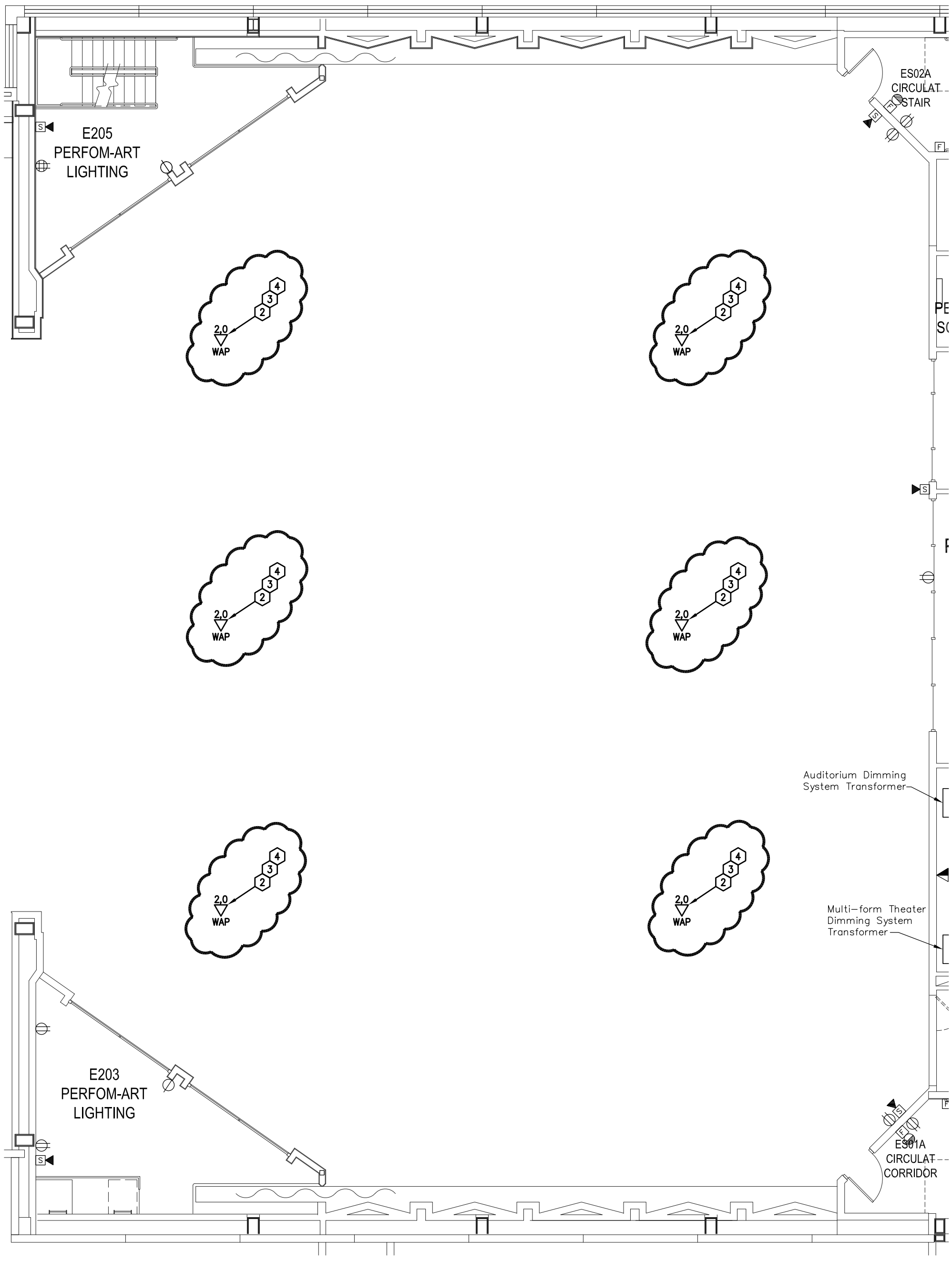
LINCOLN PUBLIC SCHOOLS SECURITY AND TECHNOLOGY READY
 FACILITIES PROJECTS - PROJECT F
 SOUTHWEST HIGH SCHOOL MAIN LEVEL TELECOMMUNICATIONS PLAN - AREA "G"

A1 MAIN LEVEL FLOOR PLAN AREA "G" - TELECOMMUNICATIONS

SCALE: 1/8" = 1'-0"

306.T02G

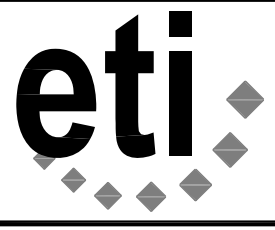
SHEET NOTES
 4. COORDINATE LOCATION OF WAP WITH OWNER.



LPS SECURITY & TECHNOLOGIES UPGRADES PROJECT F -
 SOUTHWEST HIGH SCHOOL UPPER LEVEL TELECOM PLAN
 AREA "B"

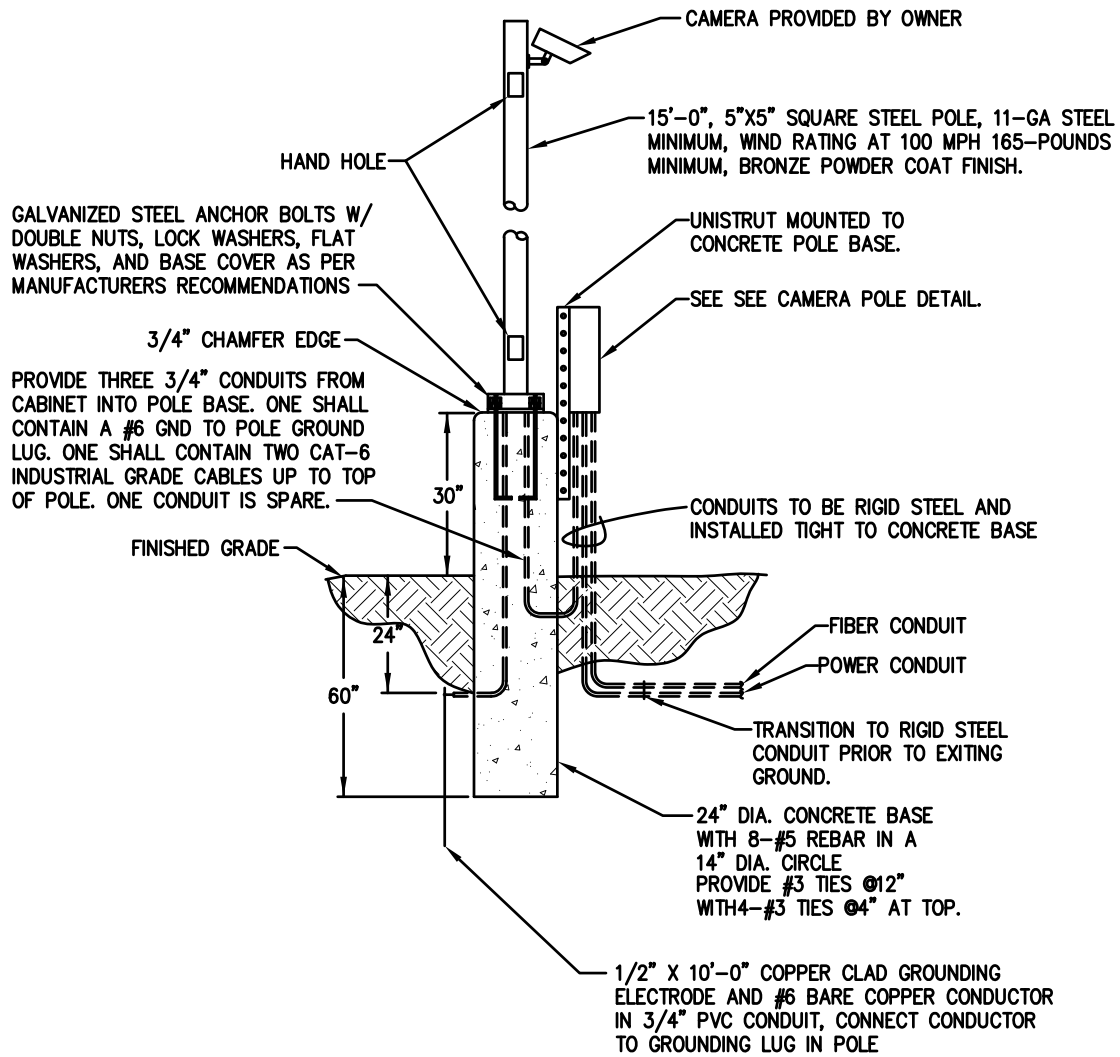
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 ETI Project No: (2014-028)

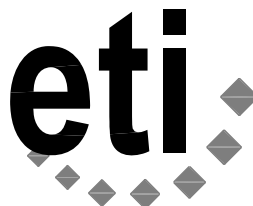
ADD #2
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 ATTACHMENT NO.
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TYPICAL POLE MOUNTED CAMERA DETAIL

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 SOUTHWEST HIGH SCHOOL
 TELECOM SITE PLAN



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306TS00

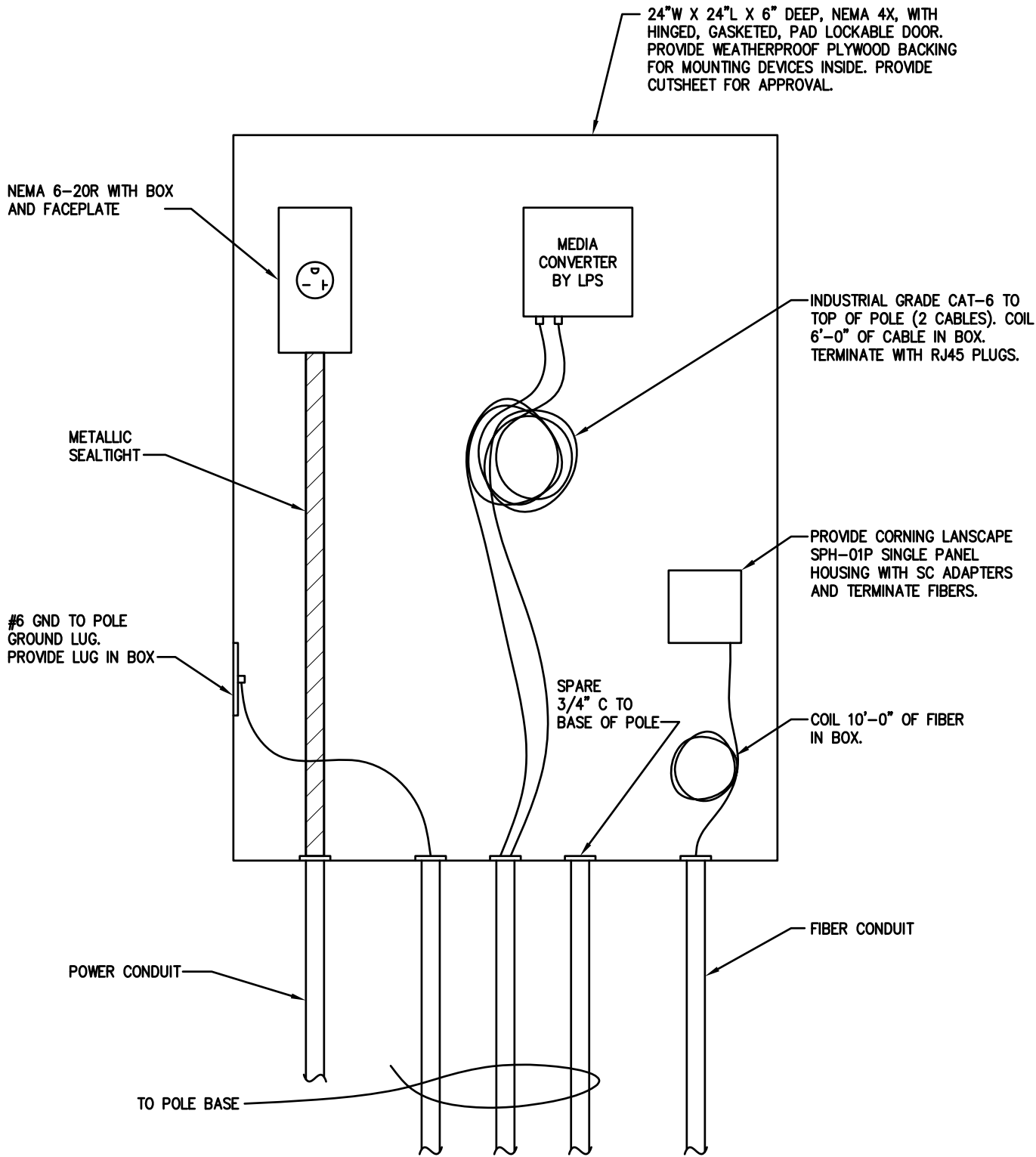
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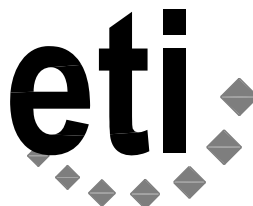
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CAMERA POLE CABINET DETAIL

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 SOUTHWEST HIGH SCHOOL
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