ADDENDUM ONE

Request for Proposal 19057

AIDEA/AEA Boardroom Audio/Video Buildout

May 16, 2019

EMAIL TO: All RFP recipients on record.

The Request for Proposal (RFP) is hereby clarified or changed as follows:

1. The RFP deadline remains unchanged.

QUESTIONS AND ANSWERS:

2. **Q:** What is the previous boardroom equipped with?

   A: Please see **Attachment One** for a list of equipment that was used in the previous boardroom. Please note: this list is for informational purposes only and these exact items are not required in your proposal.

3. **Q:** Can you please provide more information about the layout of the new boardroom?

   A: Please see **Attachment Two** (Five (5) Pictures).

4. **Q:** Are there any physical features being added, that are not currently visible?

   A: A raised platform is being added (see non-carpeted area in Picture Three). Electrical Conduit will run under this platform as needed.

5. **Q:** Is there a specific date that this project needs to be completed by?

   A: A Board Meeting scheduled for June 26th, 2019. It is preferred to have the new board room fully operational before this date. Proposers should address this in their technical proposal (Evaluation Criteria 1.)

6. **Q:** Can you please provide the Electrical Drawings for the boardroom?

   A: Please see **Attachment Three**.

7. **Q:** Can you please provide the dimensions of the owner-furnished tables?

   A: Please see **Attachment Four** (2 pages). Tables are equipped with Reef Power Unit. Attachment provides dimensions and specs.

8. **Q:** Why is a 2K camera being specified when most soft clients are only capable of 720 resolution?

   A: Required for longer term lifecycle (downward compatibility is required).

9. **Q:** By Video Conference Codec are room pc's acceptable to drive the variety of soft clients specified?

   A: Yes, the VC Camera and PC are expected to work together for WebEx, GoTo Meeting, and Skype meetings. The VC System is expected to connect directly to other VC codec such as Cisco, Polycom, Aver, and similar.

10. **Q:** The Cost Proposal includes Maintenance. What length of maintenance service needs to be provided?

    A: For Cost Proposal purposes, the Maintenance period shall be for 1-year. Renewal options can be provided in the Technical Proposal.

11. **Q:** What model displays are being provided (owner furnished)?

    A: **LG UHD 4K 70UJ6570** and **LG UHD 4K 65UK6090PUA**

12. **Q:** Is the Scope of Services/Work a general guideline or a hard requirement?

    A: Please see **Attachment Five** for clarification on the items listed in the Scope of Services/Work.

All other terms and conditions remain the same.

END OF ADDENDUM

We appreciate your participation in this solicitation.

Sincerely,

Jake Tibbe
Contracting Officer
jtibbe@aidea.org, 907-771-3990

ADDENDUM ONE
ATTACHMENT ONE

-70” AQUOS LCD Display

-70” Smart LCD Interactive Display

-Polycom HDX 7000

-Polycom Eagle Eye HD

-Extron Touchlink Controller

-Bridgit Server Software

-Half-height equipment rack

-Tascom Audio Recorder

-Polycom ceiling drop Microphone

-Ceiling Speaker x 1

-Under Table Speaker x 1

-Dell OptiPlex 9010 Mini Form Factor Computer

Addendum One
Attachment Two
Picture One
IT Closet

Addendum One
Attachment Two
Picture Two
IT Closet

Addendum One
Attachment Two
Picture Three
Board Members Area/Side

Addendum One
Attachment Two
Picture Four
Panoramic View

Addendum One
Attachment Two
Picture Five
Power/Data Drop

ELECTRICAL SYMBOLS

GENERAL LIGHTING

XX — LIGHT FIXTURE IDENTIFICATION TAG. REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.

- 2'x4' RECESSED FIXTURE
- 1'x4' RECESSED FIXTURE
- 2'x4' SURFACE MOUNTED FIXTURE
- 1'x4' SURFACE MOUNTED FIXTURE
- 2'x2' RECESSED FIXTURE
- 1'x2' SURFACE MOUNTED FIXTURE
- LINEAR PENDANT MOUNTED FIXTURE
- LINEAR WALL MOUNTED FIXTURE
- CEILING MOUNTED FIXTURE
- EXTERIOR WALL MOUNTED FIXTURE
- RECESSED DIRECTIONAL FIXTURE
- RECESSED DOWNLIGHT FIXTURE
- WALL MOUNTED DIRECTIONAL FIXTURE
- INDICATING LIGHT - TYPE AS NOTED
  A - AMBER B - BLUE G - GREEN
  R - RED W - WHITE
- WALL MOUNTED INDICATING LIGHT - TYPE AS NOTED
  A - AMBER B - BLUE G - GREEN
  R - RED W - WHITE
- WALL WASHER FIXTURE - AIM TOWARDS UNSHADED SIDE
- TRACK LIGHT FIXTURE HEAD - EX: INDICATES NUMBER OF HEADS
- POLE MOUNTED SINGLE AREA LIGHT
- POLE MOUNTED DOUBLE AREA LIGHT
- SITE LIGHT FIXTURE
- LOWER-CASE LETTER ADJACENT TO FIXTURE INDICATES SPECIFIC SWITCHING GROUP
- NL — INDICATES NIGHT LIGHT WIRED TO UNSWITCHED CIRCUIT.

EMERGENCY LIGHTING

NOTE: ANY OF THE ABOVE FIXTURE SYMBOLS WITH A BLACK FILLED REGION INDICATES FIXTURE PROVIDED WITH EMERGENCY BATTERY BALLAST OR DRIVER.

- EXIT SIGN - CEILING MOUNTED (ARROW INDICATES DIRECTION OF EGRESS)
- EXIT SIGN - WALL MOUNTED (ARROW INDICATES DIRECTION OF EGRESS)
- BATTERY POWERED EMERGENCY LIGHT - WALL
- BATTERY POWERED EMERGENCY LIGHT - CEILING
- REMOTE HEAD BATTERY POWERED EMERGENCY LIGHT
- COMBINATION EXIT SIGN/EMERGENCY LIGHT - WALL MOUNTED

LIGHTING CONTROL

- LIGHTING CONTROL STATION
- $? — WALL SWITCH - SUBSCRIPT INDICATES TYPE:
  2 - DOUBLE POLE; 3 - THREE WAY; 4 - FOUR WAY; D - DIMMER; EP - EXPLOSION PROOF; K - KEY OPERATED; LV - LOW VOLTAGE; LVM - LOW VOLTAGE MASTER; M - MANUAL MOTOR STARTER; MC - MOMENTARY CONTACT; P - SWITCH W/ PILOT LIGHT; T - TIMER; WP - WEATHERPROOF; O - OCCUPANCY SENSOR
- $a — LOWER-CASE LETTER ADJACENT TO SWITCH INDICATES SPECIFIC SWITCHING GROUP
- OS — OCCUPANCY SENSOR - DUAL TECHNOLOGY - CEILING MOUNTED

POWER GENERAL

- NEW MANHOLE OR HANDHOLE AS INDICATED
- EXISTING MANHOLE OR HANDHOLE AS INDICATED
- INDICATES FRONT
- PAD MOUNTED TRANSFORMER
- INDICATES FRONT
- EXISTING PAD MOUNTED TRANSFORMER
- NEW PAD MOUNTED SWITCH
- EXISTING PAD MOUNTED SWITCH
- J — JUNCTION BOX
- M — MOTOR CONNECTION
- G — GENERATOR
- EQUIPMENT CONNECTION
- EQUIPMENT CONNECTION - WALL MOUNTED
- T — THERMOSTAT
- PANELBOARD
- EQUIPMENT CABINET
- POWER POLE
- FLUSH FLOOR BOX
- POKE-THRU TYPE FITTING
- FLUSH FLOOR COUPLING
- EMERGENCY SHUT DOWN SWITCH
- PUSHBUTTON
- FURNITURE CONNECTION - PROVIDE FLUSH WALL MOUNT JUNCTION BOX FOR CONNECTIONS TO SYSTEM FURNITURE

XX-Y — EQUIPMENT TAG - REFER TO EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION.

POWER OUTLETS

- DUPLEX RECEPTACLE, SUBSCRIPT INDICATES TYPE:
  O - OCCUPANCY SENSOR CONTROLLED
  G - GFCI PROTECTED
  WP - WEATHERPROOF WHILE IN USE
  TV - OUTLET FOR FLAT PANEL TELEVISION
- A — SPECIAL PURPOSE RECEPTACLE, SEE SPECIAL RECEPTACLE SCHEDULE ON E-601 FOR TYPE
- DUPLEX RECEPTACLE - CEILING MOUNTED
- DOUBLE DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE - CEILING MOUNTED
- 3 WIRE RECEPTACLE - 208V
- SINGLE RECEPTACLE
- PEDESTAL DUPLEX RECEPTACLE
- PEDESTAL DOUBLE DUPLEX RECEPTACLE
- X:X — CIRCUIT IDENTIFIER (PANEL:CIRCUIT NUMBER)

DATA OUTLETS

- DATA OUTLET
  (4) PORT OUTLET: (2) CAT6 JACKS. MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED

FIRE ALARM

- Z — SMOKE DETECTOR - CEILING MOUNTED
- Z — SMOKE DUCT DETECTOR WITH AUXILLIARY CONTACTS
- HORN STROBE - CEILING MOUNTED
- HORN STROBE - WALL MOUNTED, MOUNT UP 80" AFF BUT NOT LESS THAN 6" FROM FINISHED CEILING

DISTRIBUTION

- STARTER, 3-POLE, NEMA SIZE 1 MINIMUM - UNLESS OTHERWISE NOTED
- COMBINATION STARTER/DISCONNECT
- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- CONTACTOR
- CB — CIRCUIT BREAKER
- POLE MOUNTED TRANSFORMER - SUBSCRIPTS INDICATE:
  #-## FIRST NUMBER: # OF TRANSFORMERS
  SECOND NUMBER: TRANSFORMER KVA RATING
- PAD MOUNTED TRANSFORMER - SUBSCRIPTS INDICATE:
  #-## FIRST NUMBER: # OF TRANSFORMERS
  SECOND NUMBER: TRANSFORMER KVA RATING
- DELTA CONNECTION
- WYE CONNECTION
- 20/1 — CIRCUIT BREAKER
- FUSE
- TRANSFORMER
- UGE — UNDERGROUND ELECTRIC
- A:2,4,6 — HOME RUN - NUMBER OF CONDUCTORS AS INDICATED. LONG HASH INDICATES A NEUTRAL, SHORT HASH INDICATES A 'HOT'. IF NO HASHES ARE SHOWN THEN ONE NEUTRAL AND ONE HOT ARE ASSUMED. ALL CONDUITS MUST HAVE A GROUND CONDUCTOR.
  -LETTER DESIGNATION INDICATES PANEL
  -NUMBER(S) INDICATE CIRCUIT

GENERAL

- ? — SHEET NOTE, SPECIFIC TO LOCATION INDICATED.
1. GENERAL NOTE, APPLIES TO ENTIRE SHEET.

LINETYPES:

- UGE — UNDERGROUND ELECTRICAL
- UGC — UNDERGROUND COMMUNICATIONS
- OHE — OVERHEAD ELECTRIC
- HT — HEAT TRACE
- USL — UNDERGROUND SECONDARY LINE
- X — AREA OF DEMOLITION, SEE SITE PLANS
- BUILDING SEISMIC JOINT

ABBREVIATIONS

A	AMPERE
AIC	AMPERE INTERRUPTING CURRENT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ARMS	ARC REVOLVING MAINTENANCE SWITCH
AS	AMPERE SWITCH
ASV	AIR SOLENOID VALVE
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BBO	BACKBOARD OPERATOR
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATION
BLDG	BUILDING
C	CONDUIT
CAT	CATEGORY
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CO	CONDUIT ONLY
CONT	CONTROLLER
COMM	COMMUNICATIONS
CR	CONTROL RECEPTACLE
CT	CURRENT TRANSFORMER
CU	COPPER
DET	DETAIL
DIA	DIAMETER
DISC	DISCONNECT
DN	DOWN
DO	DOOR OPERATOR
DPST	DOUBLE POLE SINGLE THROW
DW	DISHWASHER
DWG	DRAWING
E, (E)	EXISTING
EA	EACH
EBJ	EQUIPMENT BONDING JUMPER
EF	EXHAUST FAN
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FO	FIBER OPTIC
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR
FOIO	FURNISHED BY OWNER INSTALLED BY OWNER
FUor F	FUSE
FSD	FIRE SMOKE DAMPER
FVNR	FULL VOLTAGE NON-REVERSING
GALV	GALVANIZED
GEC	GROUNDING ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND,G	GROUND
GRS	GALVANIZED RIGID STEEL
GSV	GAS SOLENOID VALVE
HBO	HEAD BOLT OUTLET
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HT	HEAT TRACE
IDF	INTERMEDIATE DATA FRAME
IG	ISOLATED GROUND
IPLC	INTELLIGENT PARKING LOT CONTROLLER
J,JBOX	JUNCTION BOX
KAIC	AMPERE INTERRUPTING CAPACITY (THOUSANDS)
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLTAMPERES
KW	KILOWATT
KWH	KILOWATT HOUR
LCP	LIGHTING CONTROL PANEL
LMR	LAND MOBILE RADIO
LV	LOW VOLTAGE
LSIG	LONG SHORT INSTANTANEOUS GROUND TRIP SENSOR
LTG	LIGHTING
MBS	MAINTENANCE BYPASS SWITCH
MCB	MAIN CIRCUIT BREAKER
MDF	MAIN DATA FRAME
MDSB	MAIN DISTRIBUTION SWITCHBOARD
MECH	MECHANICAL
MFR	MANUFACTURER
MGB	MASTER GROUND BAR
MH	MANHOLE; METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
MW	MICROWAVE
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NC	NORMALLY CLOSED
NL	NIGHT LIGHT
NO	NUMBER OR NORMALLY OPEN
NRTL	NATIONALLY RECOGNIZED TESTING LABORATORY
NTS	NOT TO SCALE
OHD	OVERHEAD DOOR
OSP	OUTSIDE PLANT
PBB	PRIMARY BONDING BUS BAR (FORMERLY TMGB)
PH	PHASE
PLC	PROGRAMMABLE LOGIC CONTROLLER
PMA	PORTABLE MAINTENANCE AID
PNL	PANEL
PP	PATCH PANEL
PR	PAIR
PRS	PROGRAMMED RAPID START
PVC	POLYVINYL CHLORIDE
PWR	POWER
QTY	QUANTITY
REC	RECEPTACLE
REF	REFRIGERATOR
REQD	REQUIRED
RF	RETURN FAN
RH	RANGE HOOD
SBB	SECONDARY BONDING BUS BAR (FORMERLY TGB)
SF	SUPPLY FAN
SFD	SMOKE/FIRE DAMPER
SMF	SINGLE MODE FIBER
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATIONS
SPST	SINGLE POLE SINGLE THROW
ST	SHUNT TRIP OR STRAND
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
SV	SOLENOID VALVE
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TEL	TELEPHONE
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TEMP	TEMPORARY
TER	TELECOMMUNICATION EQUIPMENT ROOM (MDF)
TR	TELECOMMUNICATIONS ROOM (IDF)
TP	TRAP PRIMER
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UMH	UTILITY MANHOLE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
VA	VOLTAMPERE
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
W/	WITH
WAP	WIRELESS ACCESS POINT
WO	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER

MOUNTING HEIGHT SCHEDULE

DEVICE ON PLAN	MOUNTING HEIGHT	REFERENCE POINT					REMARKS
		FLOOR	CEILING	TO	CENTER	TOP	
	18"	•		•	•		24" IN HAZARDOUS LOCATIONS OR AS SHOWN ON PLANS
	42"	•		•	•		
	72"	•		•		•	TO TOP OF PANEL

ALL SYMBOLS AND ABBREVIATIONS DO NOT NECESSARILY APPEAR ON DRAWINGS

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STATE OF ALASKA — 49 TH — LOGAN R. HAINES — Aug.31, 2018 — No. EE12048 — REGISTERED PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

PROJECT TITLE: AIDEA / AEA NOISE CONTROL TENANT IMPROVEMENT
ADDRESS: 813 W. NORTHERN LIGHTS ANCHORAGE, AK 99503
OWNER: ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY
SHEET TITLE: ELECTRICAL LEGEND

NO	DESCRIPTION	DATE

DATE	2018.08.31
PROJECT NO	CEI 171996
DRAWN BY	ALM
CHECKED BY	LRH
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DWG NO: E001

GENERAL ELECTRICAL NOTES:

THE FOLLOWING CODES AND STANDARDS AND PROJECT NOTES APPLY TO THE ELECTRICAL AND TELECOMMUNICATION SYSTEM INSTALLATIONS UNLESS INDICATED OTHERWISE:

BUILDING CODES AND STANDARDS:

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE REGULATIONS, LOCAL AMMENDMENTS, AND STANDARDS LISTED BELOW. ALL ARE LISTED BY THEIR BASIC DESIGNATION ONLY. IF PUBLICATION DATES ARE NOT LISTED, THE LATEST EDITION SHALL BE USED. IN THE CASE OF CONFLICTING STANDARDS, THE MORE RESTRICTIVE STANDARD SHALL BE USED.

NFPA 70	2014 NATIONAL ELECTRICAL CODE.
NFPA 70E	STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE.
NFPA 101	LIFE SAFETY.
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE.
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION.
UL	UNDERWRITERS' LABORATORIES, INC.
IESNA	ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA LIGHTING HANDBOOK, 10TH EDITION.
ANSI/TIA-568C/D	COMMERCIAL BUILDING TELECOMMUNICATIONS WIRING STANDARD.
ANSI/TIA-569D	COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS AND SPACES.
ANSI/TIA-606B-1	ADMINISTRATION STANDARD FOR THE TELECOMMUNICATIONS INFRASTRUCTURE OF COMMERCIAL BUILDINGS.

PROJECT NOTES:

1. THE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE 2014 NATIONAL ELECTRICAL CODE, NFPA 72, STATE AND LOCAL AMENDMENTS, AND NECA STANDARDS OF INSTALLATION.
2. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE LISTED AND LABELED FOR THEIR INTENDED APPLICATION BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
3. EXISTING EQUIPMENT INFORMATION SHOWN ON THESE DRAWINGS SHOULD BE FIELD VERIFIED. CONFIRM NEW EQUIPMENT LOCATIONS WITH OWNER AND ADJUST AS REQUIRED.
4. MAINTAIN A RED-LINE SET OF CONSTRUCTION DOCUMENTS DURING CONSTRUCTION. RED-LINE DRAWINGS SHALL BE SUBMITTED TO THE OWNER UPON PROJECT COMPLETION.
5. ALL WIRING INSTALLED IN UNHEATED OR EXTERIOR SPACES SHALL BE XHHW, INTERIOR WIRING MAY BE THHW/THHN UNLESS NOTED OTHERWISE.
6. SURFACE MOUNT CONDUIT IS NOT ALLOWED EXCEPT IN MECHANICAL AND ELECTRICAL ROOMS.
7. PROVIDE A SEPARATE INSULATED GREEN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH NEC TABLE 250.122 IN ALL FEEDER AND BRANCH CIRCUIT RACEWAYS.
8. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE. MULTIWIRE BRANCH CIRCUITS WITH SHARED NEUTRALS ARE PROHIBITED.
9. MAINTAIN A MINIMUM 6" CLEARANCE BETWEEN CONDUIT AND PIPING. MAINTAIN A MINIMUM 12" CLEARANCE BETWEEN CONDUIT AND HEAT SOURCES SUCH AS FLUES, HEATING PIPES, AND HEATING APPLIANCES.
10. VERIFY CEILING TYPES THROUGHOUT THE PROJECT PRIOR TO ORDERING LUMINARIES. PROVIDE COMPATIBLE MOUNTING ACCESSORIES AND ALL TRIM, FLANGES, SUPPORTS, OUTLET BOXES, ETC. FOR A COMPLETE AND FINISHED INSTALLATION.
11. CIRCUIT NUMBERS ARE SHOWN NEXT TO LIGHTING FIXTURES AND ELECTRICAL DEVICES. REFER TO THE EQUIPMENT SCHEDULE IF A CIRCUIT ASSIGNMENT IS NOT SHOWN ON THE PLANS. PROVIDE WIRING AS SHOWN ON DRAWINGS AND LISTED IN THE SPECIFICATIONS.
12. PROVIDE MULTI-LEVEL SWITCHING AS INDICATED BY SWITCHING ARRANGEMENT. PROVIDE BALLAST OR LED DRIVER CONFIGURATIONS AS REQUIRED.
13. LOCATIONS OF LIGHT FIXTURES AND EQUIPMENT SHOWN ARE APPROXIMATE ONLY. COORDINATE EQUIPMENT LOCATIONS WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. COORDINATE WORK WITH OTHER TRADES AND SUB-CONTRACTORS.
14. PROVIDE TYPED, UPDATED PANEL SCHEDULES FOR NEW PANELS AND PANELS MODIFIED BY THIS PROJECT.
15. DRAWINGS ARE SCHEMATIC ONLY AND DO NOT SHOW ALL CONDUIT AND CONNECTIONS BETWEEN RESPECTIVE DEVICES AND FIXTURES. CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF CONDUIT, CABLE, AND WIRING CONNECTIONS BETWEEN RESPECTIVE DEVICES AND FIXTURES FOR A COMPLETE AND OPERATIONAL SYSTEM.
16. ALL FIRE ALARM CONDUIT, TERMINAL AND PULLING BOXES, AND COVERS IN UNFINISHED AREAS SHALL BE PAINTED RED AND BE IDENTIFIED BY THE ZONE AND CIRCUIT IT CONTAINS. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN 3/4" CONDUIT MINIMUM. FOR FINISHED AREAS, CONDUIT SHALL BE CONCEALED WITHIN THE WALL CAVITY OR ABOVE CEILINGS.
17. ALL FIRE ALARM DC WIRING SHALL BE 14 AWG MINIMUM. PROVIDE COLOR CODED WIRE/CABLING FOR DIFFERENT CIRCUIT TYPES. MAINTAIN COLOR CODE THROUGHOUT EACH CIRCUIT. OBSERVE ALLOWABLE NEC FILL RATIOS.

PROJECT SCOPE SUMMARY:

THIS PROJECT INCLUDES TENANT IMPROVEMENTS TO AN EXISTING FACILITY AND IS TO BE COMPLETED IN MULTIPLE PHASES. PHASE 1 INCLUDES WORK ASSOCIATED WITH THE FIRST LEVEL. PHASE 2 WORK INCLUDES WORK ASSOCIATED WITH THE SECOND LEVEL. THIS PROJECT INCLUDES (3) ADD ALTERNATIVES. ELECTRICAL SCOPE FOR EACH ADD ALTERNATIVE IS OUTLINED BELOW:

ADD ALTERNATIVE #1:
WORK UNDER THIS ADD ALTERNATIVE INCLUDES THE INSTALLATION OF NEW OFFICE 103. WORK INCLUDES THE INSTALLATION OF ADDITIONAL DATA, POWER AND LIGHTING FOR THE NEW OFFICE SPACE. IF SELECTED, THIS WORK WILL BE PERFORMED IN ADDITION TO THE BASE PROJECT.

ADD ALTERNATIVE #2:
WORK UNDER THIS ADD ALTERNATIVE INCLUDES THE INSTALLATION OF INDIVIDUAL OFFICE SPACES ON THE SECOND LEVEL. LIGHT FIXTURES AND POWER AND DATA RECEPTACLES ARE CONFIGURED FOR USE IN INDIVIDUAL OFFICE SPACES. IF SELECTED, ELECTRICAL WORK ASSOCIATED WITH ADD ALTERNATIVE 2 WILL BE PERFORMED INSTEAD OF WORK ASSOCIATED WITH PHASE 2 INDICATED ON DRAWINGS E101 AND E111.

ADD ALTERNATIVE #3:
THIS ALTERNATIVE INCLUDES THE INSTALLATION OF ARCHITECTURAL LIGHTING ON THE SECOND LEVEL ABOVE THE LOBBY AREA.

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CONSTRUCTION DOCUMENTS

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ADDRESS: 813 W. NORTHERN LIGHTS ANCHORAGE, AK 99503
OWNER: ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY
SHEET TITLE: ELECTRICAL PROJECT NOTES

NO	DESCRIPTION	DATE

DATE :	2018.08.31
PROJECT NO :	CEI 171996
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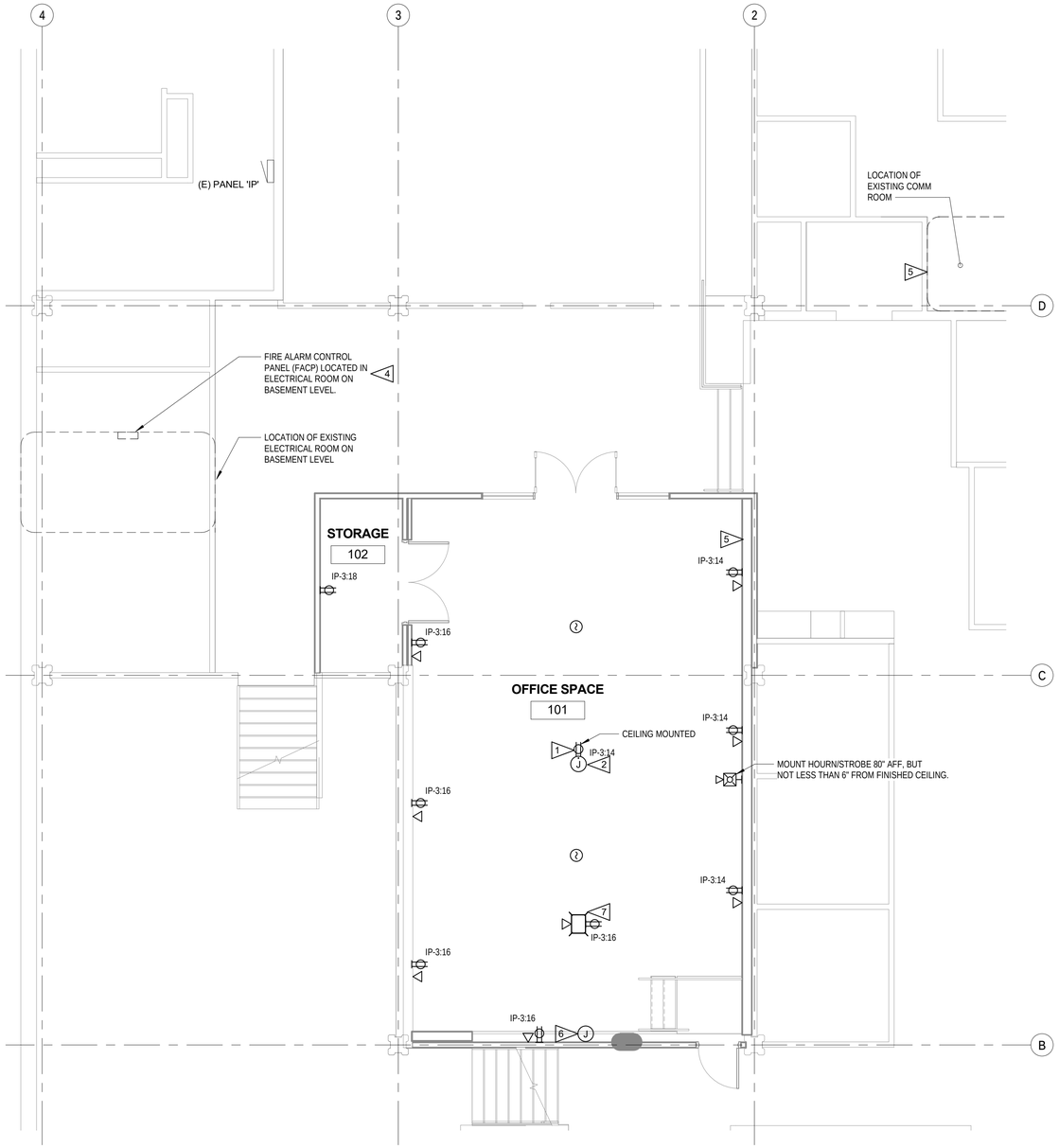
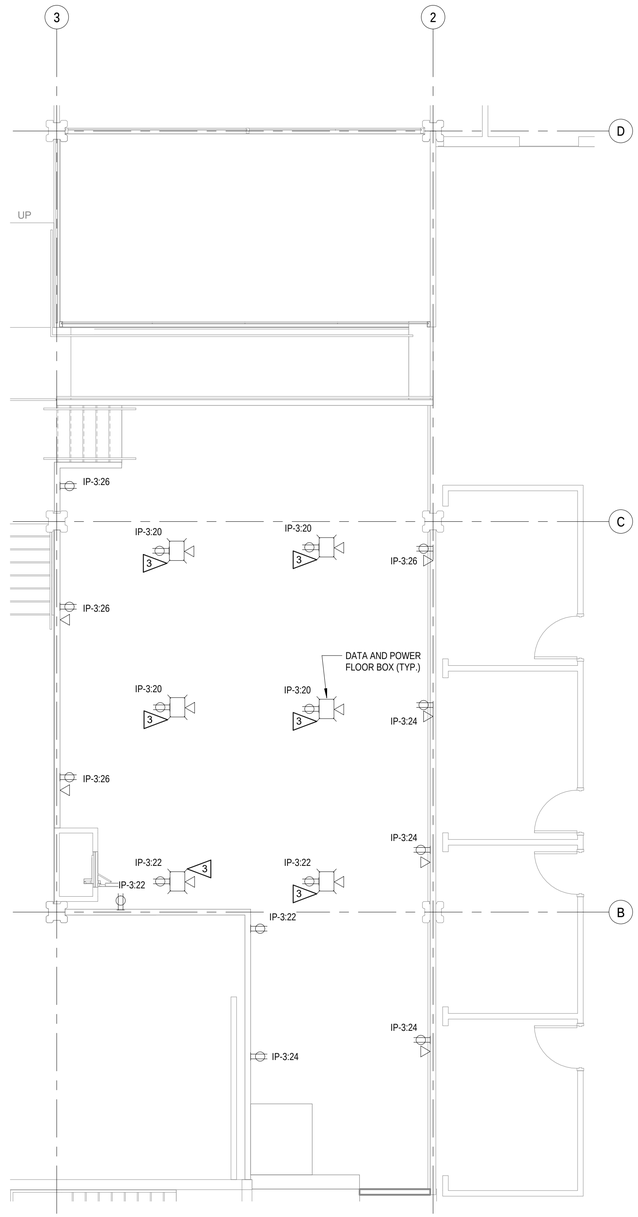
DWG NO:
E002



1 E101 FIRST FLOOR POWER AND DATA PLAN - PHASE 1

3/16" = 1'-0"

0 4' 8' 16'



2 E101 SECOND FLOOR POWER AND DATA PLAN - PHASE 2

3/16" = 1'-0"

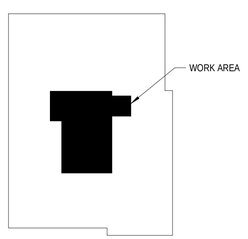
0 4' 8' 16'

GENERAL NOTES:

1. PROVIDE CAT6 CABLING TO EACH NEW TELECOM OUTLET JACK FROM EXISTING TELECOM RACK LOCATED ON THE FIRST LEVEL. INSTALL CABLING IN 3/4" CONDUIT TO DATA OUTLETS.
2. PROVIDE CONDUIT AND WIRING FOR EQUIPMENT AND RECEPTACLES. SEE PANEL SCHEDULES AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
3. ALL WALL MOUNTED POWER AND DATA RECEPTACLES LOCATED ON THE FIRST FLOOR SHALL BE LOCATED AT 36" AFF TO CENTER OF DEVICE.
4. ALL DATA RECEPTACLES SHALL BE LOCATED WITHIN 6" OF A POWER RECEPTACLE.
5. PER AS-BUILT DOCUMENTATION, THE EXISTING FIRE ALARM SYSTEM UTILIZES CLASS B WIRING. CONTRACTOR TO VERIFY DEVICE WIRING BEFORE CONSTRUCTION.
6. REFER TO E102 FOR ADD ALTERNATIVE 2 POWER AND DATA PLAN. IF SELECTED, ADD ALTERNATIVE 2 WILL REPLACE PHASE 2 WORK SHOWN ON THIS SHEET.

SHEET NOTES:

1. PROVIDE DUPLEX RECEPTACLE IN CEILING FOR FUTURE CEILING MOUNTED DISPLAY SCREENS.
2. PROVIDE CEILING MOUNTED 6"X6"X4" JUNCTION BOX FOR FUTURE AUDIO/VISUAL WIRING TO DISPLAY SCREENS.
3. PROVIDE RECESSED FOUR COMPARTMENT FLOOR BOXES.
4. EXISTING FACP IS A GE FIRESHIELD PLUS.
5. PROVIDE 4" CONDUIT FROM EXISTING COMM ROOM TO CEILING OF ENCLOSED SPACE. CONDUIT TO STUB OUT ABOVE GRID CEILING.
6. PROVIDE FLUSH WALL-MOUNTED 6"X6"X4" JUNCTION BOX LOCATED AT 36" AFF TO BOTTOM OF BOX FOR FUTURE A/V CABLING. PROVIDE 2" CONDUIT AND STUB OUT ABOVE GRID CEILING.
7. PROVIDE 2" CONDUIT FROM FLOOR BOX TO CEILING FOR FUTURE A/V CABLING. STUB CONDUIT ABOVE GRID CEILING.



COFFMAN ENGINEERS
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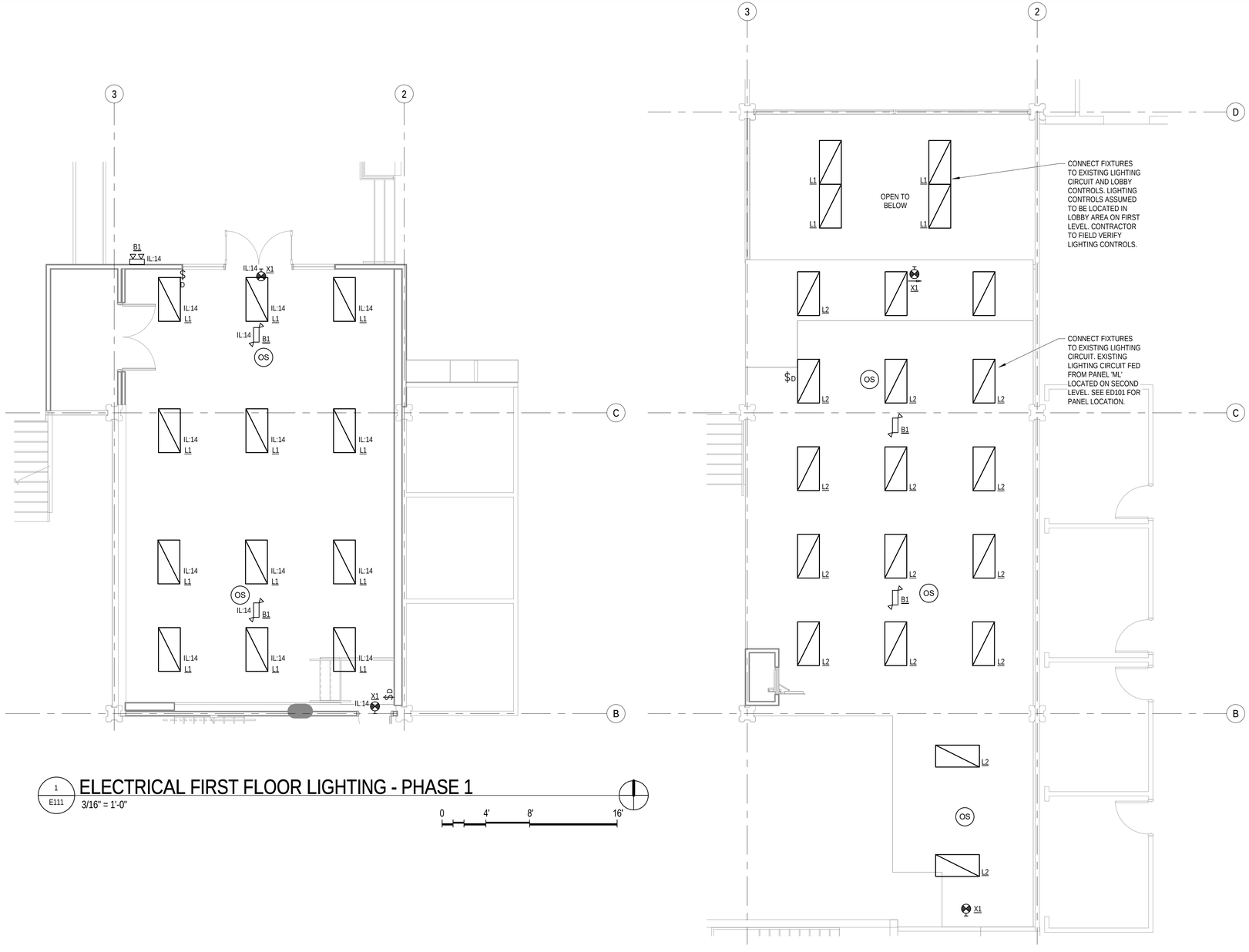
STATE OF ALASKA
40 TH
LOGAN R. HAINES
Aug 31, 2018
No. EEL2048
REGISTERED PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

PROJECT TITLE: AIDEA / AEA NOISE CONTROL TENANT IMPROVEMENT
ADDRESS: 813 W. NORTHERN LIGHTS
OWNER: ANCHORAGE, AK 99503 ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY
SHEET TITLE: POWER PLANS

NO	DESCRIPTION	DATE
DATE	:	2018.08.31
PROJECT NO	:	CEI 171996
DRAWN BY	:	ALM
CHECKED BY	:	LRH
COPYRIGHT	:	

DWG NO:
E101



1 E111 ELECTRICAL FIRST FLOOR LIGHTING - PHASE 1

3/16" = 1'-0"

0 4' 8' 16'

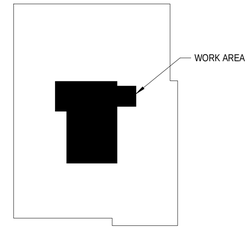
2 E111 ELECTRICAL SECOND FLOOR LIGHTING - PHASE 2

3/16" = 1'-0"

0 4' 8' 16'

GENERAL NOTES:

1. REFER TO SHEET E-201 FOR LIGHT FIXTURE SCHEDULE.
2. CONNECT ALL EXIT SIGNS AND EMERGENCY EGRESS LIGHT FIXTURES TO THE UNSWITCHED LEG OF THE LOCAL LIGHTING CIRCUIT.
3. PROVIDE ORLO (ON, RAISE, LOWER, OFF) DIMMER SWITCHING COMPATIBLE WITH THE 0-10V DRIVER IN THE LED FIXTURES.
4. PROVIDE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSORS FOR LIGHTING CONTROL. SENSORS SHALL BE AUTO ON/ AUTO OFF WITH 20 MINUTE SETBACK, WITH OVERRIDE ON/OFF AND RAISE/LOWER VIA DIMMING SWITCH. PROVIDE ALL DEVICES AND WIRING AS REQUIRED.
5. CEILING AND FIXTURE HEIGHTS EXCEED 20'-0" AFF. CONTRACTOR TO PROVIDE MEANS OF ACCESSING CEILING LOCATIONS.
6. FOR ADD ALTERNATIVE 2 LIGHTING PLAN SEE E112. IF SELECTED, ADD ALTERNATIVE 2 WILL REPLACE PHASE 2 WORK SHOWN ON THIS SHEET.



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REGISTERED PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

PROJECT TITLE: AIDEA / AEA NOISE CONTROL TENANT IMPROVEMENT
ADDRESS: 813 W. NORTHERN LIGHTS ANCHORAGE, AK 99503
OWNER: ALASKA INDUSTRIAL DEVELOPMENT AND EXPORT AUTHORITY
SHEET TITLE: LIGHTING PLANS

NO	DESCRIPTION	DATE

DATE :	2018.08.31
PROJECT NO :	CEI 171996
DRAWN BY :	ALM
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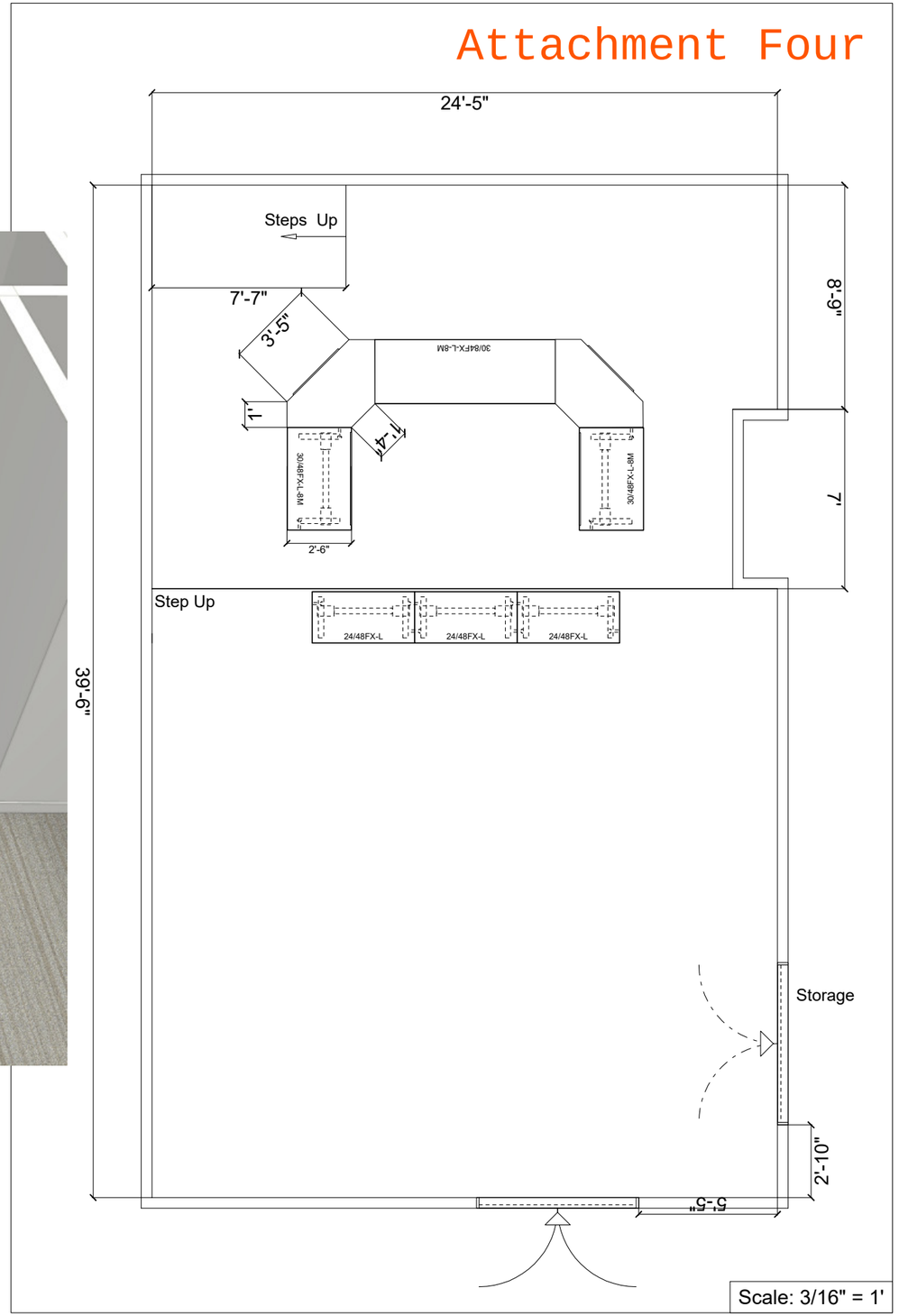
DWG NO:

E111

Addendum One
Attachment Four

Reef Multi Function Rectangular units will be field installed to insure proper placement.
1 Reef per Trapezoid
1 Reef per 24x28 Rectangle
1 Reef per 30x48 Rectangle
3 Reefs per 84"x 30" Rectangle



PLAN VIEW
SCALE: 1/4"=1'-0"

CAPITAL OFFICE
DEFINING WORKPLACE SUCCESS

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F: 907.777.1515

3201 Industrial Ave.
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F: 907.452.6257

124 Seward St.
Juneau, AK 99801
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Revision
05.06.19

Project Name: AIDEA Board Room
Project Number: 20197002.01
Project Contact: Kris Bentler
Contact Phone: 907.771.3035
Site Address: 813 W. Northern Lights Blvd
ANCHORAGE, ALASKA 99503

DATE: 05/06/2019
FILE: 20197002.01_Prelim
DRAWN BY: khth

SHEET NO.
F-1

Part Number	Description	Qty.		
7 BOARDROOM TABLES				
REF-4-1-3U-B	Reef Power Unit with 3 power, 2 USB, 1 cutout for 1 telecom plate(sold separately), 2 RJ45 Knock Outs, DaisyLink, black powder coat finish	7		
42 20AP1-72	72" single circuit power infeed with molded plug for DaisyLink System, 20 amp	1		
42FF-23	23" Female/Female Interconnecting Cable for the 4 wire 2 circuit DaisyLink System	4		
42FF-36	36" Female/Female Interconnecting Cable for the 4 wire 2 circuit DaisyLink System	2		
A-BL-C14	Black Telecom Plate with 1) 5-pin XLR, black with silver pins, female/solder	7		
RJ45-B	RJ-45 Cat 6 keystone style data connector, punchdown style, Siemon brand	14		
2 ED TABLES AND 1 PRESENTER TABLE				
REF-4-1-3U-B	Reef Power Unit with 3 power, 2 USB, 1 cutout for 1 telecom plate(sold separately), 2 RJ45 Knock Outs, DaisyLink, black powder coat finish	3		
42 20AP1-72	72" single circuit power infeed with molded plug for DaisyLink System, 20 amp	1		
42FF-60	60" Female/Female Interconnecting Cable for the 4 wire 2 circuit DaisyLink System	2		
A-BL-C14	Black Telecom Plate with 1) 5-pin XLR, black with silver pins, female/solder	2		
A-BL-C14C45C51	Black telecom plate with 1) with 1) 5-pin XLR, black with silver pins, female/solder 1 HDMI female/female with 36" patchcord, 1 15 Pin HD VGA with female/female with 72" patchcord	1		
RJ45-B	RJ-45 Cat 6 keystone style data connector, punchdown style, Siemon brand	6		

10 - table top wired microphones w/mute feature (7-board 3-presenter)	Required
1 - ceiling Mic (over audience to capture attendance roll call)	Required
1 - Tascam Audio Recorder (accepts SD and USB media types, captures modern recording formats, record meetings capturing audio from the VC, Room microphones, and Cisco phone system, w/dictation software)	Component and functions required. Device brand and model is bidders choice
4 - Ceiling Speakers (to be connected to the Computer, presenter box, Mics, and VC)(provides ample sound quality throughout the space)(to be mountable in ceiling tile grid)	Required component quantity based on bidders design but no less than 2.
2 - Digital Matrix Processors 12x8 (combine audio signals and direct to VC, Recorder, Cisco phone system and Ceiling speakers)	Required component. Device brand and model is bidders choice
1 - Video Conference Codec (Compatible with Cisco Unity Express, GoTo meeting, Polycom, Skype and WebEx room kit)	Component and function required
1 - Video Conference Camera (2K resolution or greater with a minimum bandwidth capable of communicating with remote Alaska communities) Zoom, Pan and Tilt	Component and function required
1 - Misc. Cables and converters as needed (Cat 6 or HDMI to interconnect devices) 1 - Control Processor (Backend needed to program control panel) 1 - 4x4 HDMI Matrix switcher (control image source)	As needed by bidders design
1 - Wall or desk mountable touch screen Control Panel (for VC, displays, computer, presenter table box and recording management control)	Component required device brand and model is bidders choice
1 - Locking IT Electronics cabinet (well vented)	Component required device brand and model is bidders choice
1 - Router (within scope of this project) 1 – Switch (within scope of this project)	Component required device brand and model is bidders choice