



QUATTROCCHI KWOK  
ARCHITECTS

# LIBERTY HIGH SCHOOL Administration and Student Commons Modernization

## Addendum 03

DECEMBER 23, 2020

**DSA File Number: 7-H4**

**DSA Application Number: 01-119033**

**PTN: 61721-55**

**Owner:**

Liberty Union High School District  
20 Oak Street  
Brentwood, CA 94513

**Architect:**

Quattrocchi Kwok Architects  
636 Fifth Street  
Santa Rosa, California 95404  
P: 707.576.0829  
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**Architect's Project No.: 1783.00**

**To: Prospective Bidders**

The following changes, modifications and additions to Project Manual and Drawings described below are made a part thereof and are subject to all of the requirements thereof as if originally specified. The Bidder must acknowledge receipt of the Addendum in the space provided on the Bid Form; failure to do so may subject the Bidder to disqualification.

**Table of Contents - Addendum 03**

This Addendum consists of 6 pages and the attachments as listed below dated December 23, 2020.

Deleted Text is shown in ~~strikeout type~~.

Added Text is shown in ***bold italicized type***.

**ATTACHMENTS:**

**Project Manual**

None

**ADD Drawings** (8.5 inch by 11 inch & 11 inch by 17 inch):

None

**Drawings: (24 inch by 36 inch)**

ADD 03 A-B4.1	CAFETERIA BUILDING ROOF PLAN
ADD 03 M-1.1	MECHANICAL SCHEDULES & LEGENDS
ADD 03 M-B2.1	CAFETERIA MECHANICAL FLOOR PLAN
ADD 03 P-B3.0	CAFETERIA DEMOLITION ENLARGEMENT PLANS
ADD 03 E-0.1	SYMBOLS LIST, GENERAL NOTES AND LIST OF DRAWINGS
ADD 03 E-0.2	LUMINAIRE SCHEDULE
ADD 03 E-0.3	LUMINAIRE SCHEDULE
ADD 03 E-0.4	LIGHTING SEQUENCE OF OPERATION
ADD 03 E-1.0	SITE PLAN - ELECTRICAL
ADD 03 E-A2.1	ADMINISTRATION BUILDING - LIGHTING
ADD 03 E-B2.1	CAFETERIA KITCHEN PLAN - LIGHTING
ADD 03 E-A3.1	ADMINISTRATION BUILDING - POWER & SINGNAL
ADD 03 E-B3.1	CAFETERIA KITCHEN PLAN - POWER AND SIGNAL
ADD 03 E-5.1	SINGLE LINE DIAGRAM - POWER
ADD 03 E-5.2	LIGHTING CONTROL
ADD 03 E-5.3	DETAILS
ADD 03 E-6.1	PANEL AND SCHEDULES
ADD 03 E-7.3	DETAILS

**Project Record**

Prequalification List

**End of Table of Contents**

**A. CHANGES TO PREVIOUS ADDENDA**

**Item No. 3. 01**

**PREQUALIFIED CONTRACTORS**

The following document denoted **Addendum 03** supersedes and replaces previously issued document.

**B. CHANGES TO THE BIDDING AND CONTRACT REQUIREMENTS**

None.

**C. CHANGES/ ADDITIONS TO THE SPECIFICATIONS**

**Item No. 3. 02**

Section 07 2216 ROOF INSULATION

Revise of article 2.02.A.2 as follows.

- a. R-Value: Minimum ~~30~~ 11

**Item No. 3. 03**

Section 21 0000 FIRE PROTECTION GENERAL

Correct of article 3.3.B as follows.

The required acceptance documents shall be signed by a ~~licensed C-16 Contractor~~ *licensed appropriate for the work in this Section.*

**Item No. 3. 04**

Section 21 0500 OVERHEAD FIRE PROTECTION

Correct first sentence of article 1.7.A as follows.

The Contractor must be a ~~C-16 Contractor, licensed by the State of California Contractor's Licensing Board~~ *licensed appropriate for the work in this Section.*

**Item No. 3. 05**

Section 22 0000 PLUMBING

Correct first sentence of article 1.10.A as follows.

All plumbing systems shall be installed by a ~~C-36 Plumbing Contractor~~ *licensed appropriate for the work in this Section.*

**Item No. 3. 06**

Section 23 0000 HEATING, VENTILATING, AIR CONDITIONING

Correct article 3.11.B.3 as follows.

The contractor must be in possession of a ~~C-20 California State Contractors License~~ *construction license appropriate for the work in this Section.*

**Item No. 3. 07**

Section 23 0500 GENERAL MENCHANICAL

Correct article 1.04.A.1 as follows.

All HVAC work, which includes warm air heating systems and water heating pumps, ventilating systems, air conditioning systems, and ductwork, registers, flues, humidity, and thermostatic controls in connection with these systems, shall be performed by a ~~C-20 Warm Air Heating, Ventilating and Air Conditioning~~ Contractor *licensed appropriate for the work in this Section.*

**Item No. 3.08**

Section 23 0500 GENERAL MENCHANICAL

Correct first sentence of article 1.04.A.2 as follows.

All air and/or water balancing shall be performed by a ~~D-62~~ air and water balancing contractor *licensed appropriate for the work in this Section.*

**Item No. 3.09**

Section 27 0000 TELECOMMUNICATIONS SYSTEM

Correct the last sentence of article 1.05.B as follows.

Documentation must be ~~included with the bid documents submitted~~ *within 30 days following contract notice of award.*

**Item No. 3.10**

Section 08 7100 DOOR HARDWARE

Revise to add Hardware Groups 20 and 21

**D. CHANGES/ ADDITIONS TO THE DRAWINGS**

**Item No. 3.11**

The following drawing denoted Addendum 03 is added to the drawings.

ADD 03 E-0.4 LIGHTING SEQUENCE OF OPERATION

Revise Table of Contents accordingly.

**Item No. 3.12**

The following drawings dated December 23, 2020 denoted **Addendum 03** supersede and replace previous drawings with the same titles:

ADD 03 A-B4.1	CAFETERIA BUILDING ROOF PLAN
ADD 03 M-1.1	MECHANICAL SCHEDULES & LEGENDS
ADD 03 M-B2.1	CAFETERIA MECHANICAL FLOOR PLAN
ADD 03 P-B3.0	CAFETERIA DEMOLITION ENLARGEMENT PLANS
ADD 03 E-0.1	SYMBOLS LIST, GENERAL NOTES AND LIST OF DRAWINGS
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ADD 03 E-B2.1	CAFETERIA KITCHEN PLAN - LIGHTING
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ADD 03 E-5.3	DETAILS
ADD 03 E-6.1	PANEL AND SCHEDULES

ADD 03 E-7.3                      DETAILS

**E.            BIDDERS QUESTIONS**

**Item No. 3. 13**

Q:        In Section 06 4100 paragraph 2.07 the laminate materials are called off to be through color, but none of the laminate selections on sheet A-8.4 are available in through color (Solicor). Please advise if the finish schedule will supersede the specification.

A:        The finish schedule supersedes the specification for the reference paragraph.

**Item No. 3. 14**

Q:        What is the fiber strand count and type of fiber as well as copper pair count for the new OSP fiber and copper feeder cable that is to be installed outside in the hardscape area?

A:        Refer to Addendum 3 for telecom single line diagram.

**Item No. 3. 15**

Q:        Where is the campus MDF located and what is the pathway to get there from the new IDF-A in the Admin building? And what is the fiber strand count/type and copper pair count that needs to homerun between the MDF and IDF?

A:        Refer to Addendum 3 for telecom single line diagram.

**Item No. 3. 16**

Q:        Who is providing the wireless access points? Sentence 'C' in the spec says that I am to provide wifi access points but sentence 'D' say not to include active network components in the installation? If I am to provide them, where is the spec for said wireless access point?

A:        Wireless access points (active equipment) is by the District, per 1.02(D). Only the cabling and jacks are by this contract.

**Item No. 3. 17**

Q:        With Regards to the Administration Building shades Sheet A-A3.1 Note #18 says "TYP at all glazing, U.N.O." Is all glazing to be shaded, including the Reception and Attendance Lobby?

A:        No window shade at Reception and Attendance area.

**Item No. 3. 18**

Q:        Drawing A-A6.3 calls for motorized shades in the Principal's secretary & Principals office. Is this correct? Are all other openings to be manual shades noted as #18?

A:        Window shade larger than 6'-0" to be motorized window shades.

**Item No. 3. 19**

Q: The Principal's office and Secretary are calling for motorized shades. Is this the case? Only windows in remodeled building ASB, Student Book Store, Event Center are W13 in the student store? Are these and or any other windows in this remodel to be covered?

A: A-A2.1 Student Store AW100 only shows (2) windows to be replaced, provide new window shades.

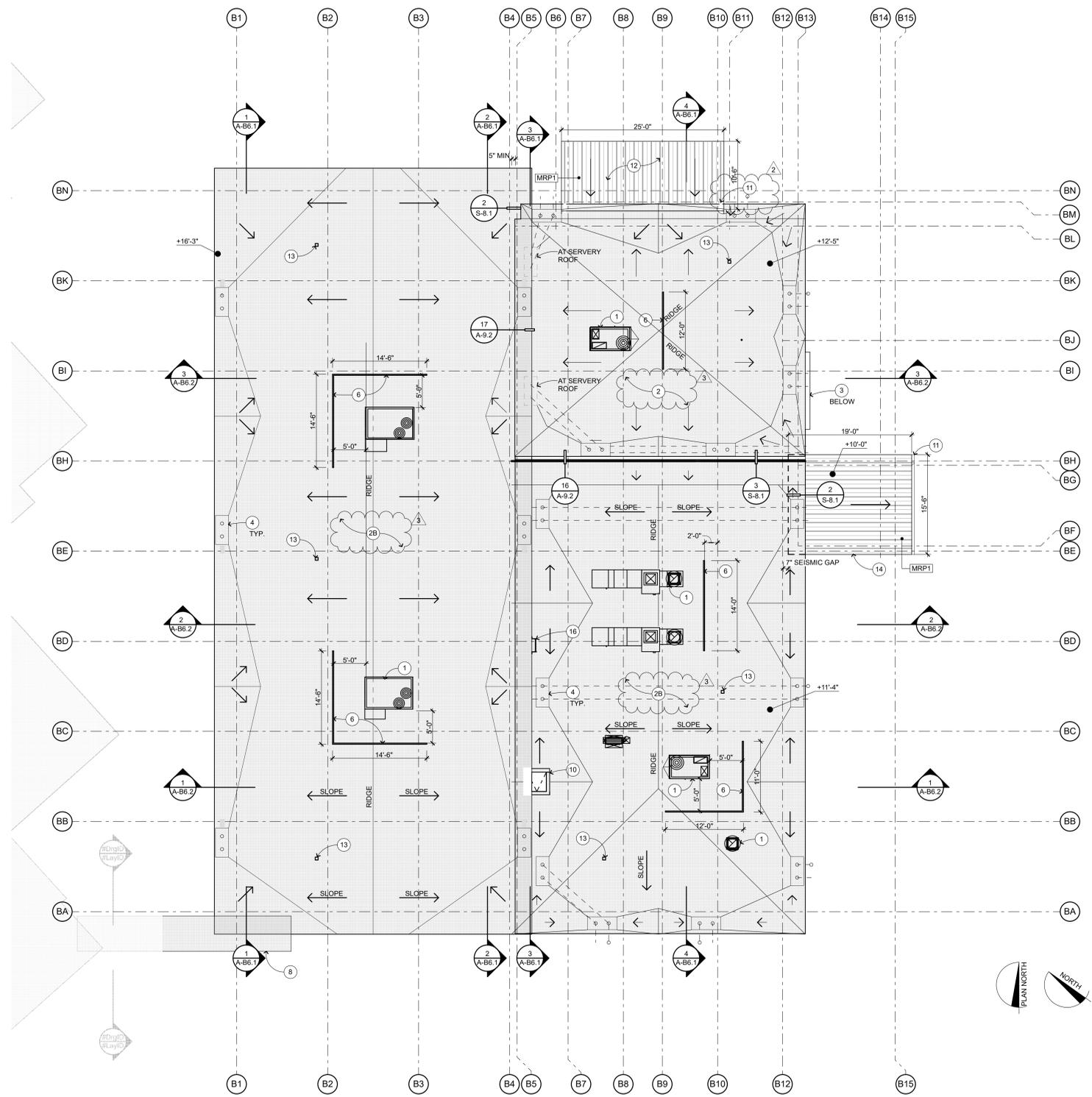
**Item No. 3. 20**

Q: On page A-1.1 Keynote 19 "Flagpole SLD". Nothing is shown on the L or C sheets and there isn't a specification for it. Is there a new flagpole on this project? Please Clarify

A: Flagpole information is included in both the drawings and specifications. Please see Detail 5 on Sheet L-1.2 and specification section 12 9300 Site Furnishings.

**END OF ADDENDUM**

P:\1783.00 - Liberty HS Admin - Staff Commons - LUISD\Drawings\05-CA\1783.00 - CA - Liberty HS Admin & Student Commons - 22.dwg, 12/23/2020, 7:35 AM



**CAFETERIA ROOF PLAN** 1  
1/8" = 1'-0"

**ROOF PLAN KEYNOTES**

- NOT ALL KEYNOTES MAY APPLY TO THIS SHEET
- 1 MECHANICAL ITEM (S.M.D.), FOR CURB SEE 3
  - 2 BUR CRICKETS OF SLOPED INSULATION  
UPPER ROOF: BUR W/ 2" THERMAL INSULATION MIN. W/ SLOPED INSULATION CRICKETS-SLOPED STRUCTURE-  
LOWER ROOF: BUR W/ SLOPED INSULATION CRICKETS - STRUCTURE SLOPED.
  - 3 RAIN CANOPY BELOW. SEE 1
  - 4 ROOF DRAIN, S.P.D. AND SEE 5
  - 5 TUBULAR SKYLIGHT (BLDG. A), SEE 5
  - 6 MECHANICAL SCREEN, SEE 26, 28
  - 7 PARAPET, SEE DETAIL 7
  - 8 MAIN ENTRY GATEWAY
  - 9 WALLS SHOWN IN GRAY BELOW
  - 10 ROOF ACCESS HATCH, SEE DETAIL 12
  - 11 GUTTER, SEE DETAIL 2
  - 12 ENTRY CANOPY, S.S.D. AND 18
  - 13 ROOF ANCHORAGE FOR SAFETY EQUIP. SEE 22
  - 14 TRASH ENCLOSURE ROOF (BLDG. B), S.S.D.
  - 15 RAIN WATER LEADER BELOW, SEE RCP, S.P.D.
  - 16 ROOF LADDER, ATTACHMENT SEE 23

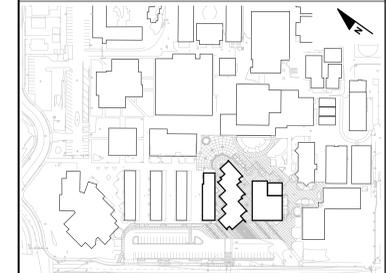
**ROOF PLAN GENERAL NOTES**

1. LOCATE ALL METAL ROOF PENETRATIONS IN THE CENTER OF THE PAN. DO NOT INTERRUPT STANDING SEAMS.
  2. MINIMUM THICKNESS OF TAPERED INSULATION TO BE 1" AT LOW POINT OF ROOF. SLOPE MIN 1/4"=12" TO DRAIN. ALL RIGID INSULATION OVERLAID WITH 1/2" COVER BOARD. CRICKETS TO SLOPE 1/2" IN 12" MIN.
  3. ALL ROOFING TO BE CLASS A.
  4. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ROOF PENETRATION LOCATIONS NOT OTHERWISE INDICATED. TYPICAL.
  5. MECHANICAL UNIT MOUNTING CURBS PER 3 S.M.D.
  6. MECHANICAL OR PLUMBING VENT FLASHING, 4
- BOOTS, SEE 4 B.U.R.

**ROOF PLAN LEGEND**

- SEE SHEET A-8.4 FOR FINISH INFORMATION
- +0'-0" DIMENSION INDICATING TOP OF ROOF LEVEL. SEE DETAILS FOR TOP OF ROOF LOCATION WITHIN ASSEMBLY
  - BUILT-UP ROOFING 1 ROOF SLOPE CREATED WITH TAPERED INSULATION
  - ▨ METAL DECK ROOFING 18

**KEYPLAN**



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**JIM THEISS**  
LICENSE # C22643  
EXP. JUNE 30, 2021  
SIGNED: DECEMBER 28, 2020

**LIBERTY HIGH SCHOOL**

**ADMINISTRATION & STUDENT COMMONS**

850 2ND STREET  
BRENTWOOD, CA 94513

LIBERTY UNION HIGH SCHOOL DISTRICT

2	12/18/20	ADD-02
3	12/23/20	ADD-03

DSA APP NO. 01-119033  
ARCH PROJECT NO: 1783.00  
DRAWN BY: CH. GRD  
DRAWING SCALE: 1/8" = 1'-0"  
PTN: 61721-75 FILE NO: 7-44

CD  
DECEMBER 28, 2020  
SHEET TITLE

**CAFETERIA BUILDING ROOF PLAN**

ADDENDUM 03  
**A-B4.1**



**GENERAL NOTES**

- FOR MECHANICAL GENERAL NOTES, LEGENDS, AND SYMBOLS, REFER TO SHEET M-1.1
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE MECHANICAL WORK WITH OTHER TRADES. MAKE ANY OFFSETS AS REQUIRED TO AVOID CONFLICT WITH PIPING, LIGHT FIXTURES, SKYLIGHTS, ETC.
- CONTRACTOR SHALL COORDINATE ALL GRILLE LOCATIONS AND CEILING TYPES PRIOR TO ORDERING GRILLES. SEE ARCHITECTURAL CEILING PLANS AND ELECTRICAL LIGHTING PLANS.
- WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWING OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, MECHANICAL ENGINEER AND FIELD INSPECTOR OF THE GOVERNING AUTHORITY.
- REFER TO ARCHITECTURAL GRAPHICS DRAWINGS FOR SIGNAGE NOT SHOW.

**SHEET NOTES**

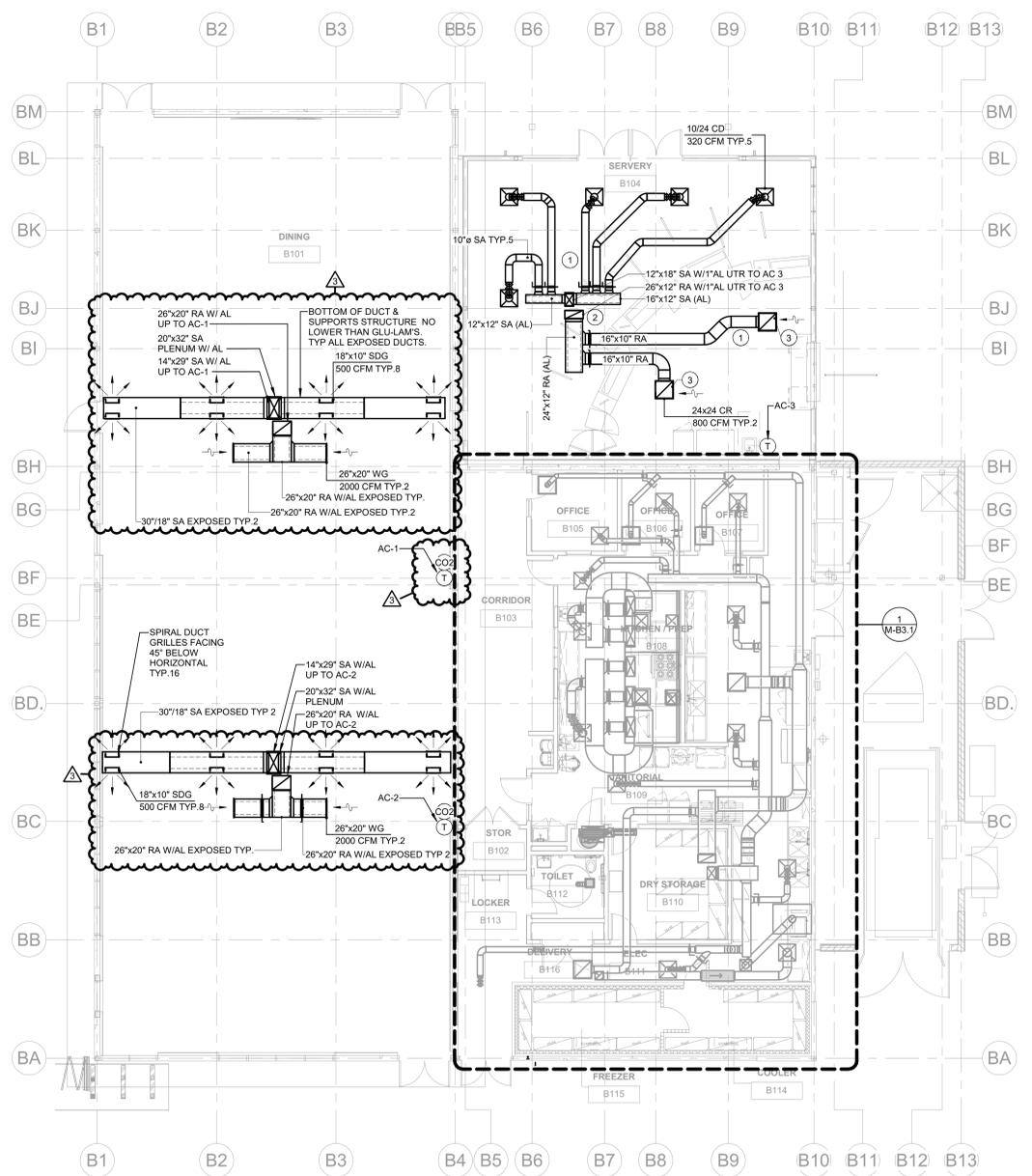
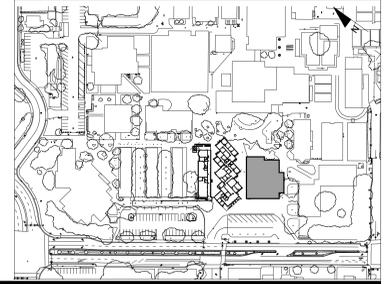
- ROUTE DUCT TO AVOID LIGHTING AND LIGHTING SUPPORTS.
- OFFSET SUPPLY AND RETURN AIR DUCTS UP THROU ROOF AS REQUIRED ON EACH SIDES OF BEAM.
- 24"x24" CAPPED PLENUM ABOVE RETURN AIR REGISTER.

**WALL LEGENDS**

NOTES:  
ALL METAL FRAMING IS 6" STUDS, U.O.N., S.S.D.

 METAL FRAMING - 1-HR RATED FIRE BARRIER  
 METAL FRAMING - NON RATED

**KEYPLAN**



**HVAC CAFETERIA BUILDING FLOOR PLAN**  
1/8" = 1'-0" **1**

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**GOSTA ENGINEERS INC.**  
3274 14th Ave, San Diego, CA 92161  
REGISTERED PROFESSIONAL ENGINEER  
No. 38600  
Exp. 12-31-20  
MECHANICAL  
STATE OF CALIFORNIA

**LIBERTY HIGH SCHOOL**  
**ADMINISTRATION & STUDENT COMMONS**

850 2nd STREET  
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LIBERTY UNION HIGH SCHOOL DISTRICT

REVISIONS

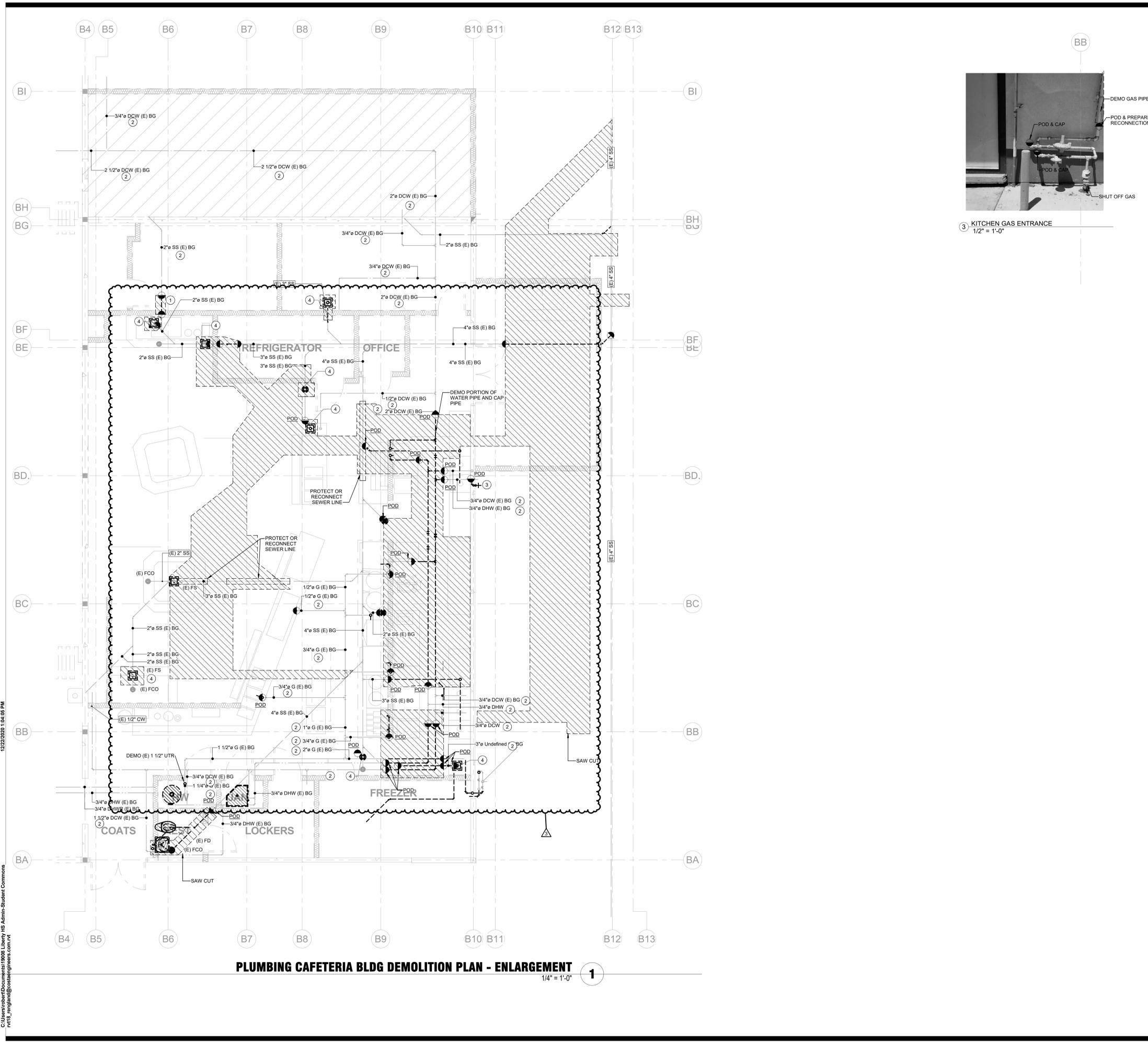
1	12/23/20	ADD-03

DSA APP NO. 01-119033  
ARCH PROJECT NO: 1783.00  
DRAWN BY: Author  
DRAWING SCALE: 1/8" = 1'-0"  
PTN: 61721-75 FILE NO: 7-H4

CD  
DECEMBER 2, 2020

ADDENDUM 03  
**CAFETERIA MECHANICAL FLOOR PLAN**

SHEET NUMBER  
ADDENDUM 03  
**M-B2.1**



**GENERAL DEMO NOTES**

- FOR PLUMBING GENERAL NOTES, LEGENDS, AND SYMBOLS, REFER TO SHEET P-1.1
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE PLUMBING WORK WITH OTHER TRADES.
- THIS CONTRACTOR SHALL RETAIN SPECIFIC EQUIPMENT AS DIRECTED BY OWNER AND DELIVER TO OWNER SPECIFIED LOCATION.
- ALL EQUIPMENT RENDERED USELESS BY THIS WORK SHALL BE DEMOLISHED AND REMOVED FROM THE SITE.
- LOCATION OF EXISTING PLUMBING EQUIPMENT, FIXTURES, PIPE SIZES, PIPE SYSTEM ETC. HAS BEEN BASED ON THE BEST AVAILABLE INFORMATION OBTAINABLE AT THE SITE AND THROUGH RECORD DRAWINGS. VERIFY EXACT LOCATIONS, SIZES, AND EXTENT OF EXISTING SYSTEMS PRIOR TO START OF DEMOLITION WORK.
- PATCH ALL WALLS, CEILINGS, ROOF AND OTHER SURFACES TO MATCH EXISTING CONDITIONS.
- ASBESTOS CONTAINING PRODUCTS MAY BE PRESENT IN THE EXISTING BUILDING CONSTRUCTION. IF SUSPECT MATERIALS ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE FOR INSTRUCTIONS PRIOR TO PROCEEDING WITH ADDITIONAL WORK. THE CONTRACTOR SHALL IMMEDIATELY POST NOTICES AND TAKE PRECAUTIONS NECESSARY TO ENSURE THE HEALTH AND SAFETY OF ALL WORKERS, THE STAFF, AND THE PUBLIC.



3 KITCHEN GAS ENTRANCE  
1/2" = 1'-0"

**SHEET NOTES**

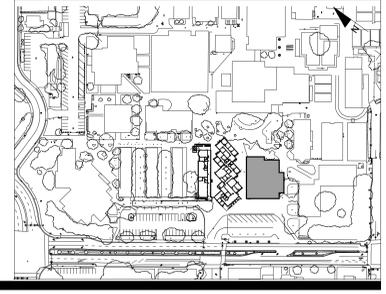
- SAW CUT, DEMO, CAP PIPE AND ABANDON PIPE BELOW GRADE. PATCH CONCRETE.
- ABANDON PIPE BELOW GRADE.
- REMOVE (E) HOSE BIBB & ABANDON PIPE BELOW GRADE.
- SAW CUT, DEMO & REMOVE FLOOR SINK OR FLOOR DRAIN. REPAIR SEWER PIPE FOR FUTURE USE & PATCH CONCRETE FLOOR
- REMOVE (E) GAS WATER HEATER & ALL ASSOCIATED APPURTENANCES.

**WALL LEGENDS**

NOTES:  
ALL METAL FRAMING IS 6" STUDS, U.O.N., S.S.D.

METAL FRAMING - 1-HR RATED FIRE BARRIER  
 METAL FRAMING - NON RATED

**KEYPLAN**



**PLUMBING CAFETERIA BLDG DEMOLITION PLAN - ENLARGEMENT**  
1/4" = 1'-0" **1**

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NO.	DATE	DESCRIPTION
1	12/23/20	ADD-03

DSA APP NO. 01-119033  
ARCH PROJECT NO: 1783.00  
DRAWN BY: Author  
DRAWING SCALE: As indicated  
PTN: 61721-75 FILE NO: 7-H4  
CD

DECEMBER 2, 2020

SHEET TITLE  
**ADDENDUM 03  
CAFETERIA  
DEMOLITION  
ENLARGEMENT  
PLANS**

SHEET NUMBER  
ADDENDUM 03  
**P-B3.0**

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### ELECTRICAL EQUIPMENT ANCHORAGE

**ELECTRICAL ANCHORAGE NOTES:**  
ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16, CHAPTER 13, 26, AND 30.

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

- A. COMPONENT WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM WALL.

THE ANCHORAGE OF ALL ELECTRICAL COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

**ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:**  
ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7.16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF ATTACHING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. OSHA), COPY THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL, SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

ELECTRICAL DISTRIBUTION SYSTEMS ARE: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

**LIGHT FIXTURES:**  
ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE, A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LIGHT FIXTURE, PER ASTM E580, SECTION 5.3.1.

SURFACE-MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES. THE CLAMPING DEVICES SHALL COMPLETELY SURROUND THE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14 GAUGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAUGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER OR EXCEED 56 LB. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.

LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE A MINIMUM OF ONE (1) #12 GAUGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. LIGHT FIXTURES WEIGHING GREATER THAN 10 LB. BUT LESS THAN OR EQUAL TO 56 LBS. MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO (2) #12 GAUGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE. EXCEPTION: ALL LIGHT FIXTURES GREATER THAN TWO (2) FEET WEIGHING LESS THAN 56 LBS. SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE AT EACH CORNER.

ALL LIGHT FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAUGE HANGERS (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT #12 GAUGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE.

### GENERAL DEMOLITION NOTES

- 1. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL LINES, LEVELS, DIMENSIONS AND EXISTING CONDITIONS. THE INFORMATION ON THE DRAWINGS REGARDING EXISTING ELECTRICAL EQUIPMENT AND BRANCH CIRCUITS IS THE RESULT OF FIELD SURVEY AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. IT IS INTENDED, HOWEVER, AS A GUIDE FOR USE IN VERIFICATION ONLY.
2. ANY EXISTING ELECTRICAL EQUIPMENT IN THE AREA OF NEW CONSTRUCTION NOT SHOWN ON THE EXISTING PLANS SHALL BE DOCUMENTED AND SUBMITTED TO THE ENGINEER FOR DETERMINATION OF ACTION REQUIRED.
3. WHEREVER THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT IS CALLED FOR AND ALL EQUIPMENT ON A PARTICULAR BRANCH CIRCUIT IS TO BE REMOVED, ALL CONDUIT AND WIRE BACK TO THE PANEL SHALL BE ENTERED AND REMOVED. THE PANEL SHALL BE MARKED "SPARE". THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT, AND WIRE AS WELL.
4. WHEREVER THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT IS CALLED FOR AND ALL EQUIPMENT ON A PARTICULAR BRANCH CIRCUIT IS NOT TO BE REMOVED, THE CIRCUIT SHALL BE MAINTAINED CONTINUOUS TO THE EXISTING EQUIPMENT IN USE WITH MINIMUM INTERRUPTIONS OF POWER. THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT, AND WIRE AS WELL.
5. WHENEVER THE REMOVAL OF EXISTING CONSTRUCTION REVEALS ELECTRICAL WORK THAT IS TO REMAIN, BUT IS IN CONFLICT WITH NEW CONSTRUCTION, RELOCATE THE EXISTING ELECTRICAL WORK AS NECESSARY TO AVOID ANY CONFLICT. RELOCATION WORK SHALL BE DONE TO MINIMIZE ANY INTERRUPTIONS OF POWER.
6. CARE SHALL BE TAKEN IN ORDER TO IDENTIFY AND PROTECT ALL EXISTING ELECTRICAL WORK THAT IS TO REMAIN.
7. ENSURE RECONNECTION OF EXISTING DEVICES WHOSE CIRCUITS HAVE BEEN INTERRUPTED BY DEMOLITION BY PROVIDING NEW CONNECTION TO ANOTHER EXISTING TO REMAIN DEVICE OR PANEL.
8. ALL EXISTING ELECTRICAL EQUIPMENT SHOWN ON THE PLANS FOR NEW WORK ARE THOSE WHICH ARE TO BE REUSED DURING SOME PHASE OF THE NEW CONSTRUCTION OR REQUIRE SOME SPECIAL CONSIDERATIONS.
9. WHENEVER THE REMOVAL OF EXISTING ELECTRICAL PANELBOARDS ARE CALLED FOR AND ALL EXISTING BRANCH CIRCUITS ARE NOT TO BE REMOVED, THE EXISTING BRANCH CIRCUITS SHALL BE CONNECTED TO OTHER EXISTING ELECTRICAL EQUIPMENT OR PANELS STILL IN USE WITH MINIMUM INTERRUPTIONS OF POWER. ALSO, IF REQUIRED, THESE SAME BRANCH CIRCUITS SHALL BE RECONNECTED TO RELOCATED EXISTING OR NEW PANELBOARDS AS PART OF THE NEW CONSTRUCTION. THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT AND WIRE AS WELL.
10. THE ELECTRICAL CONTRACTOR SHALL REVISE EXISTING PANEL SCHEDULES TO CORRESPOND TO ACTUAL CONDITIONS AFTER ALL DEMOLITION AND NEW WORK IS COMPLETED.
11. REMOVE ALL ABANDONED CONDUIT AND WIRE ABOVE CEILINGS.
12. WHEN ELECTRICAL EQUIPMENT OR DEVICE IS REMOVED FROM AN EXISTING WALL OR CEILING WHICH IS TO REMAIN, PATCH ABANDONED OPENINGS TO MATCH EXISTING FINISH.
13. IN GENERAL, THE DEMOLITION PLANS SHOW ALL EXISTING EQUIPMENT THAT IS TO BE REMOVED UNLESS OTHERWISE NOTED. HOWEVER, ELECTRICAL EQUIPMENT WHICH IS SHOWN ON THIS DRAWING OR NOT, WHERE LOCATED IN THE AREA SCHEDULED TO BE DEMOLISHED, SHALL BE REMOVED COMPLETELY (INCLUDING CONDUIT AND WIRES BACK TO THE LAST REMAINING FIXTURE, OUTLET, DEVICE, ETC.) UNLESS OTHERWISE NOTED. COORDINATE DEMOLITION WORK WITH ARCHITECT AND GENERAL CONTRACTOR.
14. EXISTING CONDUIT FEEDS UP THROUGH FLOOR SHALL BE CUT OFF AND PLUGGED FLUSH WITH FLOOR WHERE EXISTING WALLS, ETC., ARE REMOVED. REMOVE CONDUCTORS FROM THE POINT BACK TO LAST OUTLET REMAINING IN SERVICE.
15. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC. REMAINING IN OPERATION WHICH IS BEING FEED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING OF CONDUIT, WIRE, ETC. AS REQUIRED.
16. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF EXISTING CIRCUITS AND ADJUST CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF REQUIRED.
17. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS, IN AS-FOUND CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT. EQUIPMENT TO BE TEMPORARILY REMOVED DUE TO THE CONSTRUCTION SHALL BE CLEANED AND RE-INSTALLED IN ITS ORIGINAL CONDITION OR AS REQUIRED.
18. WHERE EXISTING WALLS HAVE BEEN REMOVED, AND THERE ARE EXISTING CONDUIT FEEDS WHICH HAVE BEEN CUT OFF AND CAPPED FLUSH WITH THE FLOOR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND DIMENSION ALL SUCH CONDUITS ON THE "AS-BUILT" DRAWINGS.
19. IF ANY EQUIPMENT THAT IS SCHEDULED TO REMAIN IN OPERATION IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPLACED TO ITS ORIGINAL CONDITION SATISFACTORY TO THE OWNER AT CONTRACTOR'S EXPENSE.

### SYMBOLS LIST

Table with 2 columns: Symbol and Description. Includes symbols for fire alarm system magnetic door hold-open, wall-mounted beam smoke detector, ceiling-mounted beam smoke detector, fire alarm system end-of-line resistor, fire alarm annunciator panel, weatherproof enclosure, and various conduit and wire concealment methods.

### ABBREVIATIONS

Table with 2 columns: Abbreviation and Description. Lists terms such as A.F.F. (Above Finished Floor), BMS (Building Management System), CATV (Cable TV), E.C. (Electrical Contractor), EQPT (Equipment), and various fire alarm system components.

### SYMBOLS LIST

Table with 2 columns: Symbol and Description. Includes symbols for main switchboard, flush mounted panelboard, surface mounted panelboard, fused equipment disconnect switch, motor disconnect switch, and various electrical control devices.

### SYMBOLS LIST

Table with 2 columns: Symbol and Description. Includes symbols for combined telephone/data outlet, terminal mounting backboard, fire alarm system manual pull station, fire alarm system horn/strobe, and various fire alarm system components.

CALIFORNIA GREEN BUILDING STANDARDS COMPLIANCE  
ALL EXTERIOR LUMINAIRES SPECIFIED IN THESE CONTRACT DOCUMENTS COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY CODE AND THE CALIFORNIA GREEN BUILDING STANDARDS CODE, SECTION AS.106.8 LIGHT POLLUTION REDUCTION. EXTERIOR LUMINAIRES COMPLY WITH BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS AS DEFINED IN IESNA TM-15-11 AND BUG RATINGS DO NOT EXCEED THE MAXIMUM ALLOWABLE RATINGS FOR THIS PROJECT.

### SYMBOLS LIST

Table with 2 columns: Symbol and Description. Includes symbols for recessed luminaire, surface ceiling mounted luminaire, pendant mounted luminaire, decorative ceiling mounted luminaire, recessed adjustable accent luminaire, recessed downlight luminaire, recessed wallwash luminaire, recessed or surface mounted linear wallwasher, recessed downlight with decorative trim, wall mounted luminaire, location of wall mounted luminaire, steplight recessed flush in wall, pole arm-mounted area luminaire, pole arm-mounted pedestrian-scale walkway or area luminaire, bollard luminaire, flush in-ground landscape or building uplight, flush in-ground wallwash uplight, stem mounted sign light, ceiling mounted exit sign, low level wall mounted exit sign, wall mounted emergency battery egress luminaire, line voltage single pole toggle switch, line voltage two pole toggle switch, line voltage three-way toggle switch, line voltage key operated toggle switch, line voltage motor rated toggle switch, line voltage toggle switch with pilot light, low voltage momentary contact switch, low voltage keyed momentary contact switch, wall mounted switch type infrared occupancy sensor, wall mounted dual technology occupancy sensor, wall mounted digital dual technology dimming occupancy sensor, wall mounted digital switch, wall mounted single or multi-zone digital dimmer switch, ceiling mounted dual technology digital occupancy sensor, wall mounted dual technology digital occupancy sensor, ceiling mounted line voltage dual technology occupancy sensor, single or multi-zone switching or dimming open loop digital daylighting sensor, wall mounted dual technology digital occupancy sensor, single zone switching or dimming closed loop digital daylighting sensor, daylight control photocell - bracket mounted, room controller, adjacent numeral refers to the number of zones to be controlled, plug load room controller, network bridge, master wireless border router, secondary wireless border router, isolated relay interface, emergency lighting control module, occupancy sensor power pack mounted in concealed accessible location.

### GENERAL NOTES

- 1. PRIOR TO BID THE CONTRACTOR SHALL VISIT THE SITE TO ADEQUATELY DETERMINE ALL PRE-EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE ALLOWANCES THEREFORE IN PREPARING THE BID.
2. PROVIDE PARITY SIZED GREEN GROUND WIRE IN ALL POWER CONDUITS, BRANCH CIRCUITS (LIGHTING & POWER) AND HOMERUNS. PROVIDE ADDITIONAL ISOLATED GROUND, GREEN WITH YELLOW STRIPE, TO ALL ISOLATED GROUND RECEPTACLES.
3. PROVIDE PULLROPE IN ALL EMPTY CONDUITS THROUGHOUT THE PROJECT.
4. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION & CONNECTION REQUIREMENTS OF ALL LUMINAIRE(S) AND ALL OUTLET, SWITCH, AND ELECTRICAL RELATED DEVICE MOUNTING HEIGHTS AND LOCATIONS. COORDINATE LOCATIONS OF ALL LUMINAIRE(S) AND JUNCTION BOXES WITH MECHANICAL DIVISION PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF ELECTRICAL DEVICES WITH FURNITURE PLANS PRIOR TO ROUGH-IN.
5. REFER TO MECHANICAL PLANS FOR EXACT LOCATION(S) OF ALL MECHANICAL EQUIPMENT, AND CONFIRM EXACT CONNECTION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DIVISION PRIOR TO ROUGH-IN. VERIFY EXACT REQUIREMENTS FOR VOLTAGE, PHASE, HORSE-POWER, OR KVA RATINGS, OF ALL MECHANICAL DIVISION EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
6. VERIFY EXACT CONNECTION REQUIREMENTS, OUTLET TYPE(S), MOUNTING HEIGHT(S) AND LOCATION(S) OF ALL OWNER-SUPPLIED EQUIPMENT, AND ALL EQUIPMENT PROVIDED UNDER OTHER SECTIONS OF THE SPECIFICATIONS, PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT LOCATIONS.
7. COORDINATE TRENCHING WITH OWNER AND OTHER TRADES BEFORE BEGINNING WORK.
8. ALL CONDUIT PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS SHALL BE SEALED AND EQUIPPED WITH U.L. LISTED FIRE PENETRATION ASSEMBLIES TO MAINTAIN FIRE SEPARATION RATING.
9. DO NOT INSTALL ANY OUTLETS BACK TO BACK IN STUD WALLS OR DE-MOUNTABLE PARTITIONS.
10. THE CONTRACTOR SHALL VERIFY ALL CEILING TYPES BEFORE ORDERING OF LUMINAIRE(S). ALSO VERIFY THAT ALL FEATURES CALLED FOR IN LUMINAIRE DESCRIPTIONS ON THE LUMINAIRE SCHEDULE ARE INCLUDED WITH CATALOG NUMBERS LISTED ON THE LUMINAIRE SCHEDULE WHEN LUMINAIRE ORDERS ARE PLACED, AND ARE INCLUDED AS PART OF THE LIGHTING SUBMITTALS FOR THIS PROJECT. IF A DISCREPANCY EXISTS, CONTACT THE ARCHITECT AND ELECTRICAL ENGINEER FOR CLARIFICATION PRIOR TO BID.
11. CIRCUITRY AND CONDUIT ROUTING SHOWN ON THE PLANS IS DIAGRAMMATIC ONLY. THIS CONTRACTOR IS RESPONSIBLE FOR BECOMING COMPLETELY FAMILIAR WITH THE ARCHITECTURAL AND STRUCTURAL CONDITIONS AND LIMITATIONS IN THE BUILDING AND TO PROVIDE ALL LABOR, TOOLS AND MATERIALS REQUIRED TO PRODUCE A COMPLETELY CONCEALED INSTALLATION WHEREVER INDICATED ON THE PLANS.
12. MAINTAIN "AS-BUILT" RECORDS AT ALL TIMES, SHOWING EXACT LOCATION OF ALL UNDERGROUND AND/OR CONCEALED CONDUITS AND SERVICES INSTALLED UNDER THIS CONTRACT, INCLUDING CIRCUIT IDENTIFICATION WHERE APPLICABLE. PROVIDE OWNER WITH AS-BUILT DOCUMENTS AS INDICATED IN THE SPECIFICATIONS, AND/OR CALLED FOR IN THE SPECIFICATIONS.
13. DRAWINGS INDICATE THE LOCATION(S) OF DEVICES, LUMINAIRE(S) AND EQUIPMENT, AND THE CIRCUIT NUMBER AND PANEL DESIGNATED TO SUPPLY THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY CONNECTING ALL ELECTRICAL DEVICES TO CIRCUITS INDICATED ON THE DRAWINGS.
14. UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON DRAWINGS IS NEW AND TO BE PROVIDED AND INSTALLED COMPLETE UNDER THIS CONTRACT.
15. ALL EQUIPMENT GROUNDING SHALL CONFORM TO ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
16. ALL EXTERIOR CONDUIT ABOVE GRADE, INCLUDING ALL ROOF MOUNTED CONDUIT, SHALL BE GALVANIZED RIGID STEEL, COAT ALL EXPOSED THREADS WITH GALVANIZING PAINT. PAINT ALL SURFACE MOUNTED RACEWAYS AND PULLBOXES TO MATCH SURROUNDING CONDITIONS, AS DIRECTED BY THE ARCHITECT.
17. ALL ELECTRICAL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C., AS WELL AS STATE, AND LOCAL CODES AND REQUIREMENTS.
18. ALL CONDUIT SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
19. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE AVAILABLE SHORT CIRCUIT CURRENT AT THE MAIN SWITCHBOARD INCOMING TERMINALS WITH THE UTILITY COMPANY, AND TO VERIFY THAT ALL POWER AND SIGNAL SERVICE PROVISIONS, INCLUDING CONCRETE EQUIPMENT PADS, CONDUITS, PULLBOXES AND CLEARANCES, MEET THE UTILITY COMPANY'S REQUIREMENTS, PRIOR TO INSTALLATION.
20. EQUIPMENT OVERLOADS AND FUSES SHALL BE PROVIDED AND INSTALLED AS PER NAME PLATE ON THE EQUIPMENT ACTUALLY PROVIDED.
21. THE CONTRACTOR SHALL PAY FOR ALL REQUIRED PERMITS AND INSPECTION FEES.
22. THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
23. ALL EXIT SIGNS SHALL COMPLY WITH THE RELEVANT PORTIONS OF SECTIONS 1008 AND 1013 OF THE CBC.
24. ALL MECHANICAL DIVISION EQUIPMENT LOW VOLTAGE CONTROL WIRING AND RACEWAY SHALL BE PROVIDED AND INSTALLED AS SPECIFIED IN MECHANICAL DIVISION U.O.N.
25. COORDINATE INSTALLATION OF ALL RECESSED LUMINAIRE(S) WITH MECHANICAL DIVISION PRIOR TO INSTALLATION OF HVAC DUCTS AND SPRINKLER HEADS. ENSURE AFTER INSTALLATION OF LUMINAIRE(S) THAT THERE IS NO CONTACT BETWEEN DUCTS AND LUMINAIRE(S) TO AVOID VIBRATION IN LUMINAIRE(S).
26. USE FLEXIBLE CONDUIT FOR ALL MOTOR, TRANSFORMER, RECESSED LUMINAIRE CONNECTIONS, AND CONNECTIONS BETWEEN TWO SEPARATE STRUCTURES AND FOR ALL FINAL CONNECTIONS TO "CRITICAL EQUIPMENT" AS DEFINED IN SPECIFICATIONS. MINIMUM 1/2" DIAMETER, LIQUID TIGHT TYPE USED OUTDOORS AND IN ALL WEAT LOCATIONS; PROVIDE WITH CODE-SIZE (MINIMUM #12) BARE GROUND WIRE IN ALL FLEXIBLE CONDUIT.
27. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS FEEDING OUTLETS AS NOTED ON THE DRAWINGS.
28. FOR FLUSH MOUNTED PANELBOARDS THE CONTRACTOR SHALL STUB A MINIMUM OF FOUR (4) 3/4" CONDUITS FROM THE PANEL UP INTO THE ACCESSIBLE CEILING ABOVE FOR FUTURE CIRCUITS.
29. ALL CONDUIT CONNECTORS TO OUTLET OR JUNCTION BOXES SHALL HAVE INSULATED THROATS (MANUFACTURED AS AN INTEGRAL PART OF THE CONNECTOR). AFTER MARKET INSERTABLE THROATS ARE NOT ACCEPTABLE.
30. ALL LOCATIONS IN ALL JUNCTION BOXES AND DEVICES SHALL BE CLEARLY IDENTIFIED BY MEANS OF "E2" NUMBERING TAGS OR EQUIVALENT, TO IDENTIFY THE CIRCUIT NUMBER OR RELAY SUPPLYING THE CONDUCTOR. ALL JUNCTION BOXES SHALL BE LABELED PER SPECIFICATIONS.
31. ALL SURFACE MOUNTED POWER AND SIGNAL BOXES IN FINISHED AREAS SHALL BE "WIREMOLD" TYPE, WITH MATCHING RACEWAYS. SURFACE MOUNTED STEEL JUNCTION BOXES AND/OR ENT ARE NOT ACCEPTABLE.
32. ALL LOCATIONS OF BARE METAL SURFACE MOUNTED CONDUIT, BOXES, PANEL COVERS, AND RELATED FITTINGS OR ACCESSORIES INSTALLED IN FINISHED AREAS (BOTH INTERIOR AND EXTERIOR) SHALL BE FINISH PAINTED TO MATCH THE SURFACE TO WHICH THEY ARE MOUNTED TO (AFTER INSTALLATION). PAINTING SHALL INCLUDE DIFFERENT COLORS AS REQUIRED TO MATCH EXISTING STRIPPING OR OTHER BUILDING FEATURES TO WHICH THE EQUIPMENT IS ATTACHED AND VISIBLE. VERIFY EXACT JUNCTION BOX LOCATION(S) AND ROUTING OF EXPOSED RACEWAYS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
33. PROVIDE A BLANK COVER PLATE (COLOR TO MATCH ADJACENT DEVICES OR AS SPECIFICALLY CALLED FOR IN SPECIFICATIONS) FOR ALL JUNCTION BOXES (NEW AND EXISTING) ON THE PROJECT WHEN NO DEVICE IS INSTALLED.
34. FOR OUTDOOR 15 AND 20-AMPERE, 125 AND 250-VOLT RECEPTACLES: RECEPTACLES LOCATED IN "WET" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES PROVIDED AND INSTALLED; RECEPTACLES LOCATED IN "DAMP" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES IN LOCATIONS DEEMED TO BE "IN-USE" WITH CORD AND PLUG ATTACHED.
35. TWO OR THREE DIFFERENT PHASES SUPPLIED BY A 3-PHASE PANEL MAY SHARE A SINGLE NEUTRAL ONLY IF CIRCUIT POSITIONS ARE ADJACENT IN THE PANEL, PROVIDE COMMON HANDLE-ON BREAKERS FOR MULTI-WIRE BRANCH CIRCUITS, WITH COMMON NEUTRAL, PER NEC REQUIREMENTS.

### LIST OF DRAWINGS

Table with 2 columns: Drawing Number and Description. Lists drawings such as E-0.1 SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS, E-0.2 LUMINAIRE SCHEDULE, E-0.3 LIGHTING - SEQUENCE OF OPERATIONS, E-0.4 SITE PLAN - LIGHTING, E-0.5 ADMINISTRATION BLDG - LIGHTING, E-0.6 ADMINISTRATION BLDG - POWER & SIGNAL, E-0.7 ADMINISTRATION BLDG - MECHANICAL EQUIPMENT ELECTRICAL, E-0.8 TITLE 24 DOCUMENTATION, E-0.9 TITLE 24 DOCUMENTATION, E-1.0 SITE PLAN - FIRE ALARM, FE-0.1 FIRE ALARM EQUIPMENT LIST AND GENERAL NOTES, FE-1.0 SITE PLAN - FIRE ALARM, FE-A2.1 ADMINISTRATION BLDG - LIGHTING, FE-B3.1 CAFETERIA KITCHEN PLAN - LIGHTING, FE-5.1 RISER DIAGRAM - FIRE ALARM, FE-6.1 CALCULATIONS - FIRE ALARM EQUIPMENT ELECTRICAL, E-83.1 CAFETERIA KITCHEN FLOOR PLAN - POWER & SIGNAL, E-84.1 ENLARGED KITCHEN PLAN - POWER & SIGNAL, E-5.1 SINGLE LINE DIAGRAM - POWER, E-5.2 LIGHTING CONTROL DIAGRAMS, E-5.3 DETAILS, E-6.1 PANEL SCHEDULES, E-7.1 DETAILS, E-7.2 DETAILS, E-7.3 DETAILS.

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### LIBERTY UNION HIGH SCHOOL DISTRICT

Table with 3 columns: Revision Number, Date, and Description. Shows revisions 3, 1921/20, and ADDENDUM 03.

DSA APP NO. 01-119033  
ARCH PROJECT NO. 1783.00  
DRAWN BY: LN  
DRAWING SCALE: AS NOTED  
PTN: 61721-75 FILE NO: 7-H4  
CD

DECEMBER 2, 2020

### ADDENDUM 03 SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS

SHEET NUMBER

### E-0.1

### LUMINAIRE SCHEDULE

TYPE	MOUNTING	DESCRIPTION	MANUFACTURER	CATALOG #	SOURCE DETAILS	POWER SUPPLY	VOLTS	INPUT WATTS
AG4	SURFACE RECESSED	SAME AS TYPE AG1 EXCEPT 16" LENGTH	FINELITE	HP-2-R-WW-D-16-H-835-K-96LG-277-SC-FC-10-(CEILING)-FE	LED 3500K 80 CRI 292 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	61
AG5	SURFACE RECESSED	SAME AS TYPE AG1 EXCEPT 17" LENGTH	FINELITE	HP-2-R-WW-D-17-H-835-K-96LG-277-SC-FC-10-(CEILING)-FE	LED 3500K 80 CRI 292 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	65
AJ1	RECESSED CEILING	EDGE-LIT DECORATIVE L.E.D. 2' x 2' RECESSED DOWNLIGHT WITH TWIN ANGLED ACRYLIC DIFFUSING PANELS & DECORATIVE CENTER TRIM BAND.	COLUMBIA LIGHTING	VSY22-35-HLHE-G-ED-U	LED 3500K 80 CRI 3755 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	26
AJ2	RECESSED CEILING	SAME AS TYPE AJ1 EXCEPT LOWER OUTPUT	COLUMBIA LIGHTING	VSYWW-35-LWHE-G-E-D-U	LED 3500K 80 CRI 1425 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	19
AK1	PENDANT	4' L x 7.5"W x 3"H LINEAR L.E.D. DIRECT/INDIRECT CABLE SUSPENDED UNIT WITH DIE FORMED STEEL HOUSING, FROSTED ACRYLIC BOTTOM LENS, 2-LED LIGHT ENGINES, INTEGRAL ELECTRONIC DIMMING DRIVER.	FINELITE	S16 LED 1D DCO-4-3E-B-B	LED 3500K 80 CRI 856LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	28
AK2	PENDANT MOUNTED	SAME AS TYPE AK1 EXCEPT 8" LENGTH	FINELITE	S16 LED 1D DCO-4-3E-B-B	LED 3500K 80 CRI 856LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	57
AL1	RECESSED CEILING	2'W x 2'L x 2-3/8" RECESSED LED FLAT PANEL 'FOOD SERVICE' RATED SEALED TROFFER, WITH FROSTED SHATTERPROOF/PROTECTIVE, 0.125" THICK POLYCARBONATE BOTTOM LENS, FORMED STEEL HOUSING, PAINTED AFTER FABRICATION HOUSING, INTEGRAL ELECTRONIC DIMMING DRIVER, BASKETS BETWEEN FRAME AND LENS, AND BETWEEN FRAME AND CEILING GRID MEMBERS, UL WET LOCATION AND NATIONAL SANITATION FOUNDATION (NSF) CERTIFIED, OPTIONAL EARTHQUAKE CLIPS.	FAILSAFE	FSP-22-2195-CP125-FP-EQ	LED 3500K 80 CRI 2100 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	21
AL2	RECESSED CEILING	SAME AS AL1 EXCEPT HIGHER OUTPUT	FAILSAFE	FSP-22-25HE35-CP125-FPEQ	LED 3500K 80+ CRI 4200 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	38
AM1	RECESSED CEILING	2' x 4' L.E.D. RECESSED FLAT PANEL TROFFER, WITH EDEGLIT OPAL WHITE ACRYLIC DIFFUSING LENS, FORMED STEEL HOUSING, PAINTED AFTER FABRICATION HOUSING, INTEGRAL ELECTRONIC DIMMING DRIVER, OPTIONAL EARTHQUAKE CLIPS AT EACH CORNER.	FAILSAFE	FSP-24-4735-CP125-FP-EQ	LED 3500K 80+ CRI 4700 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	41
AM2	RECESSED CEILING	SAME AS AM1 EXCEPT HIGHER WATTAGE & OUTPUT	FAILSAFE	FSP-24-6435-CP125-FP-EQ	LED 3500K 80+ CRI 6400 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	60
AN1	SURFACE WALL	6'L L.E.D. OVER MIRROR LUMINAIRE WITH EXTRUDED ALUMINUM LINEAR HOUSING, DIECAST ALUMINUM ENDCAPS, 'WRAP-AROUND' CONTINUOUS ACRYLIC DIFFUSER.	LITECONTROL	67L-W-D-6-(FINISH)-35K-D055-NDM-UNV	LED 3500K 80 CRI 3300 LM	INTEGRAL ELECTRONIC LED NON-DIMMING	UNV	24
AN2	SURFACE WALL	SAME AS AN1, EXCEPT 8'L, WATTAGE AND OUTPUT.	LITECONTROL	67L-W-D-8-(FINISH)-35K-D055-NDM-UNV	LED 3500K 80 CRI 4400 LM	INTEGRAL ELECTRONIC LED NON-DIMMING	UNV	32
AP1	RECESSED CEILING	ROUND 2'x2' RECESSED L.E.D. TROFFER UNIT, WITH OPTIONAL RAL COLOR PAINTED SQUARE SURROUND TRIM, CONVEX OPAL WHITE ACRYLIC DROPPED DISH DIFFUSER, RAL COLOR, PAINTED TRIM FINISH, AS SELECTED BY THE ARCHITECT	PRUDENTIAL LIGHTING	P9020-LED35-LO-(SHIELDING)-(FINISH)-SC-UNV-X1-DM10	LED 3500K 80 CRI 2100 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	35
AQ1	RECESSED DOWNLIGHT	4" DIAMETER L.E.D. DOWNLIGHT WITH DECORATIVE, FROSTED DROPPED ACRYLIC RING ELEMENT	LIGHTOLIER	4RN C4L10-835-W-210-U C4R-DL-(FINISH)-(FLAN GE) DA02-C4RDL-4RN	LED 3500K 80+ CRI 1000 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-1%	UNV	11
AQ2	RECESSED DOWNLIGHT	SAME AS TYPE AQ1 EXCEPT HIGHER OUTPUT	LIGHTOLIER	4RN C4L20-835-W-210-U C4R-DL-(FINISH)-(FLAN GE) DA02-C4RDL-4RN	LED 3500K 80+ CRI 2000 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-1%	UNV	21
AR1	RECESSED DOWNLIGHT	RECESSED L.E.D. DOWNLIGHT WITH 4" DIA. ROUND APERTURE - GYP BOARD MOUNT	LIGHTOLIER	4RN C4L10-835-W-210-U C4R-DL-(FINISH)-(FLAN GE)	LED 3500K 80+ CRI 1000 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-1%	UNV	11
AR2	RECESSED DOWNLIGHT	SAME AS AR1 EXCEPT MOUNTING FOR PERFORATED METAL CEILING.	LIGHTOLIER	4RN C4L10-835-W-210-U C4R-DL-(FINISH)-(FLAN GE)	LED 3500K 80+ CRI 1000 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-1%	UNV	11
AS1	SURFACE	2'L L.E.D. STRIP LUMINAIRE WITH FORMED STEEL HOUSING, NOM. 3-5/16"W x 2-9/16"W, PAINTED AFTER FABRICATION FINISH, HEAVY GAGE WIRE GUARD.	HE WILLIAMS	75R-2-L20-8-35-WG	LED 3500K 80 CRI 2000 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	15
AS2	SURFACE	SAME AS TYPE AS1 EXCEPT 4' LENGTH, WATTAGE & OUTPUT.	HE WILLIAMS	75R-4-L50-8-35	LED 3500K 80 CRI 5000 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	31
AS3	SURFACE	SAME AS TYPE AS1 EXCEPT 8' LENGTH	HE WILLIAMS	75R-8-L100-8-35	LED 3500K 80 CRI 10000 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	63
AS4	SURFACE	SAME AS TYPE AS1 EXCEPT 4' LENGTH AND LOWER OUTPUT	HE WILLIAMS	75R-4-L30-8-35	LED 3500K 80 CRI 3000 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	20
AT1	RECESSED DOWNLIGHT	4" DIAMETER RECESSED L.E.D. DOWNLIGHT WITH DROPPED DECORATIVE GLASS ELEMENT	FOCAL POINT	FLS2DD-RF-700L-NFL-1-20-L11-SH-LS2-RD-35K-DNC-NFL-CD-(FINISH)	LED 3500K 80+ CRI 700 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-1%	120	8
AU3	TRACK SPOT LIGHT	TRACK MOUNTED L.E.D. ADJUSTABLE ACCENT LUMINAIRE WITH FORMED ALUMINUM HOUSING, NOMINAL 7-1/4" WIDE X 8" TALL; LSI CT1 FITTING FOR CONTROL TRACK; WITH 26 DEGREE BREAM SPREAD; FINISH AS SELECTED BY THE ARCHITECT	LIGHTING SERVICES INC	LP2-ZE8 22-80 35 25 CT1-10 120 (FINISH) ACCESSORIES: LP2 CROSS BAFFLE, BACKER RING E, (SPREAD GELS)	LED 3500K 80 CRI 2180 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER, 0-10V, 100%-10%.	120	30
AU4	SURFACE TRACK	ONE CIRCUIT CONTROL TRACK EXTRUDED ALUMINUM, MUSEUM-GRADE LIGHT TRACK, NOMINAL 1-7/16" DEEP X 1-13/16" WIDE X 8 FT LENGTH WITH 1.5A CURRENT LIMITER. PROVIDE WITH ALL PARTS AND ACCESSORIES TO COMPRISE A FULLY FUNCTIONING TRACK SYSTEM; FINISH AS SELECTED BY THE ARCHITECT.	LIGHTING SERVICES INC	TRACK: TRK-SC-(LENGTH)-120-(FINISH) (OUT TO LENGTH); JOINTER: TRK-XC-MJ1-120 END FEED: TRK-SC-EFC1-120 (FINISH) END CAP: TRK-S-ACC-EC-(FINISH) CURRENT LIMITER: TCL-2-1.5-(FINISH)	NA NA	NA NA	120	180

### LUMINAIRE SCHEDULE

TYPE	MOUNTING	DESCRIPTION	MANUFACTURER	CATALOG #	SOURCE DETAILS	POWER SUPPLY	VOLTS	INPUT WATTS
AA1	AIRCRAFT CABLE SUSPENDED	S.S. AIRCRAFT CABLE SUSPENDED LINEAR L.E.D. LUMINAIRE WITH EXTRUDED ALUMINUM HOUSING, NOM. 4" H x 4" W x 8' L DOWNLIGHT-ONLY, VERY HIGH OUTPUT; INTEGRAL ELECTRONIC DIMMING DRIVERS, DROPPED FROSTED ACRYLIC 'BOTTOM GLOW' DIFFUSERS.	FINELITE	HP4-P-D-8-V-835-BG-96 LG-120-SC-FC-10%-FAxx-C4-FE-(FINISH)	LED 3500K 80 CRI 926 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	75
AA2	AIRCRAFT CABLE SUSPENDED	SIMILAR TO AA1, EXCEPT NOM 10' L; ONE 4' LONG EMERGENCY INVERTER-POWERED SECTION IN LUMINAIRES INDICATED ON THE PLANS.	FINELITE	HP4-P-D-10-V-835-BG-9 6LG-120-SC-FC-10%-FAxx-C4-FE-(FINISH)-EM/GEN(WHERE SHOWN)	LED 3500K 80 CRI 926 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	93
AA3	AIRCRAFT CABLE SUSPENDED	SIMILAR TO AA1, EXCEPT NOM 10' L; WITH WIRING FOR (2) CONTROL ZONE SHALL BE 16' L, THE REMAINING ZONE SHALL BE 6' L.	FINELITE	HP4-P-D-10-V-835-BG-9 6LG-120-MC1(4' + 6')-FC-10%-FAxx-C4-FE-(FINISH)	LED 3500K 80 CRI 926 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	93
AA4	AIRCRAFT CABLE SUSPENDED	SIMILAR TO AA1, EXCEPT NOM 12' L; ONE 4' LONG EMERGENCY INVERTER-POWERED SECTION IN LUMINAIRES INDICATED ON THE PLANS.	FINELITE	HP4-P-D-12-V-835-BG-9 6LG-120-SC-FC-10%-FAxx-C4-FE-(FINISH)-EM/GEN(WHERE SHOWN)	LED 3500K 80 CRI 926 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	112
AA5	AIRCRAFT CABLE SUSPENDED	SIMILAR TO AA1, EXCEPT NOM 12' L; WITH WIRING FOR (2) CONTROL ZONES TO ACCOMMODATE DAYLIGHT ZONES, ONE CONTROL ZONE SHALL BE 6' L, THE REMAINING ZONE SHALL BE 6' L.	FINELITE	HP4-P-D-12-V-835-BG-9 6LG-120-MC1(6' + 6')-FC-10%-FAxx-C4-FE-(FINISH)	LED 3500K 80 CRI 926 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	112
AA6	AIRCRAFT CABLE SUSPENDED	SIMILAR TO AA1, EXCEPT NOM 16' L; ONE 4' LONG EMERGENCY INVERTER-POWERED SECTION IN LUMINAIRES INDICATED ON THE PLANS.	FINELITE	HP4-P-D-16-V-835-BG-9 6LG-120-SC-FC-10%-FAxx-C4-FE-(FINISH)-EM/GEN(WHERE SHOWN)	LED 3500K 80 CRI 926 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	149
AA7	AIRCRAFT CABLE SUSPENDED	SIMILAR TO AA1, EXCEPT NOM 20' L; ONE 4' LONG EMERGENCY INVERTER-POWERED SECTION IN LUMINAIRES INDICATED ON THE PLANS.	FINELITE	HP4-P-D-20-V-835-BG-9 6LG-120-SC-FC-10%-FAxx-C4-FE-(FINISH)-EM/GEN(WHERE SHOWN)	LED 3500K 80 CRI 926 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	185
AA8	AIRCRAFT CABLE SUSPENDED	SIMILAR TO AA1, EXCEPT NOM 20' L; WITH WIRING FOR (2) CONTROL ZONES TO ACCOMMODATE DAYLIGHT ZONES; ONE CONTROL ZONE SHALL BE 16' L, THE REMAINING ZONE SHALL BE 4' L; ONE 4' LONG EMERGENCY INVERTER-POWERED SECTION IN LUMINAIRES INDICATED ON THE PLANS; SUSPENSION CABLES IN EXACT LOCATIONS SHOWN ON THE PLANS.	FINELITE	HP4-P-D-20-V-835-BG-9 6LG-120-MC1(16' + 4')-FC-10%-FAxx-C4-FE-(FINISH)-EM/GEN(WHERE SHOWN)	LED 3500K 80 CRI 926 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	185
AB1	AIRCRAFT CABLE SUSPENDED	SUSPENDED LINEAR L.E.D. DIRECT/INDIRECT RUN, 6'-3" L x 4" H x 4" W, WITH OPEN, WIDESPREAD DISTRIBUTION 'UP' FLAT FROSTED ACRYLIC DIFFUSER 'DOWN', INTEGRAL ELECTRONIC DIMMING DRIVERS(S), WITH EMERGENCY INVERTER POWER CORD DROP IN LUMINAIRES OR SECTIONS OF LUMINAIRES SHOWN ON PLANS.	FINELITE	HP4-P-ID-6'3"-H-S-835-WSO-F-96LG-SC-FAXX-C1-FE-(FINISH)-EM/GEN(WHERE SHOWN ON PLANS)	LED 3500K 80 CRI 1222 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	67
AB2	AIRCRAFT CABLE SUSPENDED	SAME AS AB1, EXCEPT 7'-0" L RUN, INCREASED WATTAGE AND OUTPUT.	FINELITE	HP4-P-ID-7'-H-S-835-WSO-F-96LG-SC-FAXX-C1-FE-(FINISH)	LED 3500K 80 CRI 1222 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	75
AB3	AIRCRAFT CABLE SUSPENDED	SAME AS AB1, EXCEPT 10'-11" L RUN, INCREASED WATTAGE AND OUTPUT.	FINELITE	HP4-P-ID-10'-11"-H-S-835-WSO-F-96LG-SC-FAXX-C1-FE-(FINISH)	LED 3500K 80 CRI 1222 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	127
AB4	AIRCRAFT CABLE SUSPENDED	SAME AS AB1, EXCEPT 10'-9" L RUN, INCREASED WATTAGE AND OUTPUT.	FINELITE	HP4-P-ID-10'-9"-H-S-835-WSO-F-96LG-SC-FAXX-C1-FE-(FINISH)	LED 3500K 80 CRI 1222 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	126
AB5	PENDANT MOUNTED	SAME AS AB1, EXCEPT 14'-10" L RUN, INCREASED WATTAGE AND OUTPUT.	FINELITE	HP4-P-ID-14'-10"-H-S-835-WSO-F-96LG-SC-FAXX-C1-FE-(FINISH)	LED 3500K 80 CRI 1222 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	158
AB6	AIRCRAFT CABLE SUSPENDED	SAME AS AB1, EXCEPT 20'-8" L RUN, INCREASED WATTAGE AND OUTPUT.	FINELITE	HP4-P-ID-20'8"-H-S-835-WSO-BG-96LG-SC-FAXX-C1-FE-(FINISH)-EM/GEN(WHERE SHOWN ON PLANS)	LED 3500K 80 CRI 1222 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	218
AB8	AIRCRAFT CABLE SUSPENDED	SAME AS AB1, EXCEPT 6'-0" L RUN, WATTAGE AND WITH BOOSTED 'UP', STANDARD 'DOWN' OUTPUTS.	FINELITE	HP4-P-ID-6'-B-S-835-WSO-F-96LG-SC-FAXX-C1-FE-(FINISH)	LED 3500K 80 CRI 939 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	49
AB9	AIRCRAFT CABLE SUSPENDED	SAME AS AB1, EXCEPT 8'-0" L RUN, WATTAGE AND WITH BOOSTED 'UP', STANDARD 'DOWN' OUTPUT.	FINELITE	HP4-P-ID-8'-B-S-835-WSO-F-96LG-SC-FAXX-C1-FE-(FINISH)	LED 3500K 80 CRI 939 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	65
AB10	AIRCRAFT CABLE SUSPENDED	NOT USED						
AB11	AIRCRAFT CABLE SUSPENDED	SAME AS AB1, EXCEPT 12'-0" L RUN, WATTAGE AND WITH BOOSTED 'UP', STANDARD 'DOWN' OUTPUT.	FINELITE	HP4-P-ID-12'-B-S-835-WSO-F-96LG-SC-FAXX-C1-FE-(FINISH)	LED 3500K 80 CRI 939 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	97
AB12	AIRCRAFT CABLE SUSPENDED	SAME AS AB1, EXCEPT 14'-0" L RUN, WATTAGE AND WITH BOOSTED 'UP', STANDARD 'DOWN' OUTPUT.	FINELITE	HP4-P-ID-14'-B-S-835-WSO-F-96LG-SC-FAXX-C1-FE-(FINISH)	LED 3500K 80 CRI 939 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	113
AC1	AIRCRAFT CABLE SUSPENDED	SUSPENDED LINEAR L.E.D. DIRECT/INDIRECT RUN, 8' L x 4" H x 2"W, WITH OPEN, WIDESPREAD DISTRIBUTION 'UP', FLAT FROSTED ACRYLIC DIFFUSER 'DOWN', INTEGRAL ELECTRONIC DIMMING DRIVER(S).	FINELITE	HP-2-P-ID-8-B-S-835-WSO-F-96LG-SC-FA50-C1-FE-SW-	LED 3500K 80 CRI 1120 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	65
AC2	AIRCRAFT CABLE SUSPENDED	SAME AS AC1, EXCEPT 10'-0" L RUN, WATTAGE AND OUTPUT.	FINELITE	HP-2-P-ID-10-B-S-835-WSO-F-96LG-SC-FA50-C1-FE-SW-	LED 3500K 80 CRI 1120 LM/FT	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	81
AD1	RECESSED	RECESSED LINEAR L.E.D. DOWNLIGHT, 4" W x 4" H x 4" LENGTH, WITH DROPPED OPAL WHITE ACRYLIC DIFFUSER, EXTRUDED ALUMINUM HOUSING.	FINELITE	HP-4-R-D-4-B-835-DL-96 LG-120-SC-FC-10%-C1-FE-SW	LED 3500K 80 CRI 423LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	18
AD2	RECESSED	SAME AS AD1, EXCEPT 6' L, WATTAGE & OUTPUT.	FINELITE	HP-4-R-D-6-B-835-DL-96 LG-120-SC-FC-10%-C1-FE-SW	LED 3500K 80 CRI 423LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	28
AD3	RECESSED	SAME AS AD1, EXCEPT 8' L, WATTAGE & OUTPUT.	FINELITE	HP-4-R-D-8-B-835-DL-96 LG-120-SC-FC-10%-C1-FE-SW	LED 3500K 80 CRI 423LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	37
AD4	RECESSED	SAME AS AD1, EXCEPT 12' L, WATTAGE & OUTPUT.	FINELITE	HP-4-R-D-12-B-835-DL-9 6LG-120-SC-FC-10%-C1-FE-SW	LED 3500K 80 CRI 423LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	55
AD5	RECESSED	SAME AS AD1, EXCEPT 16' L, WATTAGE & OUTPUT	FINELITE	HP-4-R-D-16-B-835-DL-9 6LG-120-SC-FC-10%-C1-FE-SW	LED 3500K 80 CRI 423LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	74
AD6	RECESSED	SAME AS AD1, EXCEPT 20' L, WATTAGE & OUTPUT - 12' MAXIMUM SECTION LENGTH PLUS 8' SECTION	FINELITE	HP-4-R-D-20-B-835-DL-9 6LG-120-SC-FC-10%-C1-FE-SW	LED 3500K 80 CRI 423LM/LFM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	92
AD7	RECESSED	SAME AS AD1, EXCEPT 28' L, WATTAGE & OUTPUT - (2) 12' MAXIMUM SECTION LENGTH PLUS 2 SECTION; 4' LONG EMERGENCY INVERTER-POWERED SECTIONS IN LOCATIONS INDICATED ON THE PLANS.	FINELITE	HP-4-R-D-28-B-835-DL-9 6LG-120-SC-FC-10%-C1-FE-SW-2 EM/GEN(SEE PLANS)	LED 3500K 80 CRI 423LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	129
AG1	SURFACE RECESSED	RECESSED LINEAR L.E.D. WALL WASH LUMINAIRE, 2' L x 4" HIGH x 2 1/4" WIDE, WITH DROPPED 'KICK' REFLECTOR, INTEGRAL ELECTRONIC DIMMING DRIVER EXTRUDED ALUMINUM RECESSED HOUSING.	FINELITE	HP-2-R-WW-D-2-H-835-K-96LG-277-SC-FC-10%-(CEILING)-FE	LED 3500K 80 CRI 292 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	8
AG2	SURFACE RECESSED	SAME AS TYPE AG1 EXCEPT 8' LENGTH	FINELITE	HP-2-R-WW-D-8-H-835-K-96LG-277-SC-FC-10%-(CEILING)-FE	LED 3500K 80 CRI 292 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	31
AG3	SURFACE RECESSED	SAME AS TYPE AG1 EXCEPT 10' LENGTH	FINELITE	HP-2-R-WW-D-10-H-835-K-96LG-277-SC-FC-10%-(CEILING)-FE	LED 3500K 80 CRI 292 LM/LF	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	38

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REVISIONS

3	12/21/20	ADDENDUM 03

DSA APP NO. 01-119033  
 ARCH PROJECT NO. 1783.00  
 DRAWN BY: LN  
 DRAWING SCALE: AS NOTED  
 P/N: 61721-75 FILE NO: 7-H4  
**CD**  
**DECEMBER 2, 2020**

SHEET TITLE

**ADDENDUM 03**

**LUMINAIRE SCHEDULE**

SHEET NUMBER

**E-0.2**

### LUMINAIRE SCHEDULE

TYPE	MOUNTING	DESCRIPTION	MANUFACTURER	CATALOG #	SOURCE DETAILS	POWER SUPPLY	VOLTS	INPUT WATTS
BJ1	RECESSED	4" ROUND RECESSED EXTERIOR L.E.D. DOWNLIGHT, U.L. WET LOCATION LISTED, ENCLOSED & GASKETED, WITH NOM. 3" D ENAMELED ALUMINUM HOUSING, REGRESSED LENS PROVIDING MEDIUM FLOOD DISTRIBUTION, GASKET BETWEEN TRIM & CEILING	KIRRLIN	LRR-04006-1500L-120-2-3-45	LED 3500K 80+ CRI 1500 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-1%	120	21
BK1	PEDESTRIAN POST TOP	DECORATIVE POST-TOP L.E.D. WALKWAY LUMINAIRE, WITH 20" DIA. x 2.5"H DIE-CAST ALUMINUM 'DISC HOUSING' WITH MATCHING DIECAST ALUM. 17"H TWIN SUPPORT ARMS, DIFFUSING 'COMFORT' LENS OBSCURES LED ARRAY, I.E.S. SYMMETRIC MEDIUM TYPE V LIGHT DISTRIBUTION, ROUND STRAIGHT, 4" DIA. x 12"H ALUMINUM POLE, FULL BASE COVER, MATCHING FACTORY-STANDARD FINISH FOR LUMINAIRE AND POLE AS SELECTED BY ARCHITECT.	GARDCO	PPT-140L-650-BW/G2-T 3-2-UNV-(FINISH) POLE SRS-14-4.0-T4-(FINISH)	LED 3500K 70CRI 2910 LM	NON-DIMMING	UNV	30
BK2	PEDESTRIAN POST TOP	SAME AS TYPE BK1, EXCEPT IES TYPE II ASYMMETRIC DISTRIBUTION PATTERN	GARDCO	PPT-140L-650-WW/G2-T 3-2-UNV-(FINISH) POLE SRS-14-4.0-T4-(FINISH)	LED 3500K 70CRI 2910 LM	NON-DIMMING	UNV	30
BK3	PEDESTRIAN POST TOP	SAME AS TYPE BK1 EXCEPT TYPE III ASYMMETRIC DISTRIBUTION PATTERN	GARDCO	PPT-140L-650-WW/G2-T 3-3-UNV-(FINISH) POLE SRS-14-4.0-T4-(FINISH)	LED 3500K 70CRI 2910 LM	NON-DIMMING	UNV	30
BK4	PEDESTRIAN POST TOP	SAME AS TYPE BK1 EXCEPT TYPE III ASYMMETRIC DISTRIBUTION PATTERN	GARDCO	PPT-140L-650-WW/G2-T 3-4-UNV-(FINISH) POLE SRS-14-4.0-T4-(FINISH)	LED 3500K 70CRI 2910 LM	NON-DIMMING	UNV	30
EX1	SURFACE WALL OR CEILING	DIECAST ALUMINUM SINGLE FACE LED EXIT SIGN WITH GREEN STENCIL LETTERS, ARROWS AS SHOWN ON THE PLANS, VANDAL RESISTANT LENS, VERIFY FINISH WITH THE ARCHITECT	ISOLITE	TL2-AC-G-1-(FINISH)-M TEB-VR	NA	NON-DIMMING	UNV	2
EX2	SURFACE WALL OR CEILING	SAME AS EX1 EXCEPT DOUBLE FACE.	ISOLITE	TL2-AC-G-2-(FINISH)-M TEB-VR	NA	NON-DIMMING	UNV	2
EX3	SURFACE WALL	NON-ELECTRIC SINGLE FACE EXIT SIGN WITH 20-YR. RATED TRITIUM LIGHT SOURCE, POLYCARBONATE LENS, VANDAL RESISTANT EXTRUDED ALUMINUM FRAME, ARROWS AS INDICATED, BACK-MOUNTED ON WALL, FINISH AS SELECTED BY THE ARCHITECT.	ISOLITE	2040-95-1-G-(FINISH)-M B	NA	NA	NA	0
EX4	SURFACE CEILING	SAME AS EX3 EXCEPT DOUBLE FACE, TOP MOUNTED TO CEILING.	ISOLITE	2040-95-2-G-(FINISH)-M T	NA	NA	NA	0
EX5	SURFACE CEILING	SAME AS EX3, EXCEPT TOP MOUNTED TO CEILING.	ISOLITE	2040-95-2-G-(FINISH)-M T	NA	NA	NA	0

### LUMINAIRE SCHEDULE

TYPE	MOUNTING	DESCRIPTION	MANUFACTURER	CATALOG #	SOURCE DETAILS	POWER SUPPLY	VOLTS	INPUT WATTS
AU5	SURFACE TRACK	ONE CIRCUIT CONTROL TRACK EXTRUDED ALUMINUM, MUSEUM-GRADE LIGHT TRACK, NOMINAL 1-7/16" DEEP X 1-13/16" WIDE X 7 FT LENGTH WITH 1.5A CURRENT LIMITER. PROVIDE WITH ALL PARTS AND ACCESSORIES TO COMPRISE A FULLY FUNCTIONING TRACK SYSTEM; FINISH AS SELECTED BY THE ARCHITECT.	LIGHTING SERVICES INC	TRACK: TRK-3C-(LENGTH)-120-(FINISH) (CUT TO LENGTH) JOINTER: TRK-XC-MJ1-120 END FEED: TRK-SC-EFC1-120 (FINISH) END CAP: TRK-S-AC-EC-(FINISH) CURRENT LIMITER: TCL-2-1.5-(FINISH)	NA	NA	120	180
AV1	PENDANT	24" DIA DECORATIVE L.E.D. DIRECT/INDIRECT CABLE-SUSPENDED 'RING' PENDANT UNIT WITH EXTRUDED ALUMINUM HOUSING, OPTIONAL 50% REDUCED OUTPUT (OPTION PR1), REMOTE ELECTRONIC DIMMING DRIVER MOUNTED IN NEMA 1 ENCLOSURE ABOVE TBAR CEILING, POWER OVER SUSPENSION CABLE, PREMIUM RAL PAINTED FINISH AS SELECTED BY THE ARCHITECT. VERIFY REMOTE DRIVER LOCATION & REQUIRED WIRING HARNESS LENGTH, PRIOR TO RELEASE OF ORDER.	BETA CALCO	953105-D35-N35-S1-D1-PR1-RAL METALLIC	LED 3500K 80 CRI 2250LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-1%	UNV	21
AW1	SURFACE WALL MOUNT	ROUNDED DECORATIVE L.E.D. WALL SCONCE WITH HEAVY GAGE FORMED STEEL HOUSING, 8-7/8" WIDE X 16" HIGH X 4" DEEP. PREMIUM METALLIC RAL POWDER COAT PAINT FINISH AS SELECTED BY THE ARCHITECT.	VISA LIGHTING	CB3660-L35K-H-MVOLT -(FINISH)	LED 3500K CRI 1000LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-1%	UNV	14
AZ1	SURFACE UNDERCABINET	3L x 5"W x 1"H L.E.D. UNDERCABINET UNIT WITH ACRYLIC PRISMATIC LENS, SOLID FRONT, FORMED STEEL HOUSING; COORDINATE PROVISION OF CONCEALING FACIA AT BASE OF UPPER CABINETS & SHELVES WHERE UNITS ARE TO BE INSTALLED, PRIOR TO RELEASE OF CASEWORK ORDERS.	HE WILLIAMS 1SF	1SF-3-L18-835-AF12125 -DIM	LED 3500K 80 CRI 1800 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	21
AZ2	SURFACE UNDERCABINET	SAME AS AZ1 EXCEPT 4L, WATTAGE, OUTPUT.	HE WILLIAMS 1SF	1SF-4-L24-835-AF12125 -DIM	LED 3500K 80 CRI 2400LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	29
BA1	SURFACE ROOF EAVE	2"W x 2.5"H x 6'L EXTERIOR LINEAR L.E.D. DOWNLIGHT WALL-GRAZING LUMINAIRE, WITH EXTRUDED ALUMINUM ENCLOSED & GASKETED HOUSING, UL WET LOCATION LABEL, 10deg. x 60deg OPTICS, INTEGRAL ELECTRONIC DIMMING DRIVER, ADJUSTABLE HINGED MOUNTING BRACKETS, FACTORY STANDARD FINISH, SLANTED GLARE BAFFLE.	BOCA FLASHER	HPNLS-HO-5W-3000K-10X60-120-(FINISH)-H)-E-H-S-SSB-6FT-	LED 3000K 90+ CRI	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	30
BA2	SURFACE AT ROOF EAVE, W/ADJUSTABLE BRACKETS	SAME AS BA1 EXCEPT 12L, 'WALL WASH' OPTICS.	BOCA FLASHER	HPNLS-HO-5W-3000K-30X60-120-D-E-S -(LENS)-SSB-12FT	LED 3000K 80 CRI	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	60
BA3	SURFACE AT ROOF EAVE, W/ADJUSTABLE BRACKETS	SAME AS BA1 EXCEPT 13L, INCREASED WATTAGE, OUTPUT.	BOCA FLASHER	HPNLS-HO-16W-3000K-10X60-120-(FINISH)-E-H -S-SSB-13FT-	LED 3000K 90+ CRI	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	200
BA4	SURFACE AT ROOF EAVE, W/ADJUSTABLE BRACKETS	SIMILAR TO BA1, EXCEPT 16'L, LED GRAZE OPTICS, WITH BLADE BAFFLE - FOR METAL PANEL - SERVERY	BOCA FLASHER	HPNLS-HO-16W-3000K-30X60-120-(FINISH)-E-S -(LENS)-SSB-16FT	LED 3000K 90+ CRI	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	243
BB1	SURFACE WALL	DECORATIVE EXTERIOR L.E.D. WALL SCONCE, UL WET LOCATION LISTED, WITH CUTOFF IES TYPE III 'DIFFUSE' DOWNLIGHT DISTRIBUTION PATTERN, NOM. 3"W x 10"H x 4"D 'TRIANGLE/WEDGE' FABRICATED ALUMINUM HOUSING, FACTORY PREMIUM FINISH AS SELECTED BY THE ARCHITECT, OPTIONAL DIECAST MOUNTING ADAPTER FOR SURFACE CONDUIT CONNECTION WHERE INDICATED ON THE PLANS OR REQUIRED.	ARCHITECTURAL AREA LIGHTING	CY1-25-3K8-1-3D-UNV-(PREMIUM FINISH)-MOUNTING ADAPTER	LED 3000K 80 CRI 2500 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	25
BB2	SURFACE WALL	SAME AS BB1, EXCEPT WITH 'PRECISION' IES TYPE III DISTRIBUTION OPTICS.	ARCHITECTURAL AREA LIGHTING	CY1-25-3K8-1-3D-UNV-(PREMIUM FINISH)-MOUNTING ADAPTER	LED 3000K 80 CRI 2500 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	25
BB3	SURFACE WALL	SIMILAR TO BB1, EXCEPT LARGER HOUSING, HIGHER WATTAGE & OUTPUT.	ARCHITECTURAL AREA LIGHTING	CY2-25-3K8-1-2D-UNV-(PREMIUM FINISH)-MOUNTING ADAPTER WHERE SPEC'D	LED 3000K 80 CRI 2500 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	25
BB4	SURFACE WALL	SIMILAR TO BB1, EXCEPT LARGER HOUSING, HIGHER WATTAGE & OUTPUT, IES TYPE 4 DISTRIBUTION PATTERN	ARCHITECTURAL AREA LIGHTING	CY2-25-3K8-1-2D-UNV-(PREMIUM FINISH)-MOUNTING ADAPTER WHERE SPEC'D	LED 3000K 80 CRI 2500 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	UNV	25
BD1	SURFACE CANOPY	3" DIAMETER, UL WET LOCATION LISTED, ADJUSTABLE L.E.D. EXTERIOR ROOF CANOPY-MOUNTED DOWNLIGHT, WITH INTEGRAL ELECTRONIC DIMMING DRIVER IN CYLINDRICAL MACHINED ALUMINUM HOUSING, FACTORY PREMIUM FINISH AS SELECTED BY THE ARCHITECT, 45deg ANGLED GLARE SNOOT, OPTIONAL ROTATING KNUCKLE, MATCHING DIECAST ALUMINUM GASKETED J-BOX CANOPY COVERPLATE.	BK LIGHTING	DELED-X65-WFL-(FINISH)-12-(CAP)-PC-360HD-	3000K	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	27
BF1	POLE MOUNT AREA	POLE MOUNTED L.E.D. CUTOFF PARKING LOT/AREA LUMINAIRE WITH SINGLE ARM-MOUNTED, 5"H x 27.5"L x 14.9"W DIECAST ALUMINUM LUMINAIRE HEAD WITH ROTATABLE OPTICAL SYSTEM PROVIDING IES TYPE III DISTRIBUTION AS INDICATED ON THE PLANS, WITH UNIFORM LUMINAIRE HEAD ALIGNMENT, AS SHOWN ON THE PLANS, INTERNAL HOUSE SIDE SHIELD, MOUNTED ON 23" HIGH ROUND STRAIGHT STEEL POLE WITH BOLTED BASEPLATE, FULL BASEPLATE COVER, MATCHING FACTORY STANDARD FINISH FOR LUMINAIRE AND POLE, AS SELECTED BY THE ARCHITECT.	GARDCO	GARDCO ECF-S-32L-700-WW-G2-AR-3-UNV-(FINISH)-HIS-32 POLE: SRS-23-4-D1-(FINISH)	LED 3000K 70 CRI 7795 LUMENS	NON-DIMMING	UNV	73
BF2	POLE MOUNT AREA	SAME AS TYPE BF1 EXCEPT WITH OPTICS ROTATED 90deg/HEAD ALIGNED WITH OTHER UNITS.	GARDCO	GARDCO ECF-S-32L-700-WW-G2-AR-3-270-UNV-(FINISH)-HIS-3 2-V POLE: SRS-23-4-D1-(FINISH)	LED 3000K 70 CRI 7795 LUMENS	NON-DIMMING	UNV	73
BF3	POLE MOUNT AREA	SAME AS TYPE BF1 EXCEPT WITH 2 HEADS AT 180deg TO ONE ANOTHER, ONE HEAD TYPE III ON THE NORTH SIDE OF POLE, AND TYPE IV ON THE SOUTH SIDE HEAD.	GARDCO	GARDCO (1) ECF-S-32L-700-WW-G2-AR-3-UNV-IMR13-(FINISH) H) (1) ECF-S-32L-700-WW-G2-AR-4-UNV-IMR13-(FINISH) H) POLE: SRS-20-4-D2-(FINISH)	LED 3000K 70 CRI 15590 LUMENS	NON-DIMMING	UNV	146
BF4	POLE MOUNT AREA	SAME AS TYPE BF1 EXCEPT WITH 2 HEADS AT 90deg TO ONE ANOTHER	GARDCO	GARDCO (2) ECF-S-32L-700-WW-G2-AR-3-UNV-IMR13-(FINISH) H) POLE: SRS-20-4-D2@90-(FINISH) H)	LED 3000K 70 CRI 15590 LUMENS	NON-DIMMING	UNV	146
BG1	SURFACE MOUNTED	SURFACE CEILING MOUNTED L.E.D. DOWNLIGHT WITH 'BEVELLED BLOCK'DIECAST ALUMINUM HOUSING, NOM. 5" SQUARE X 7" H, INTEGRAL SURFACE CONDUIT ADAPTER BACKBOX WITH CUTOUS, STANDARD FACTORY FINISH AS SELECTED BY THE ARCHITECT, REGRESSED FROSTED BOROSILICATE GLASS DIFFUSER, 90° BEAM SPREAD	USAI	BLSDS-24C3-35KS-90-B F-(FINISH)-CC-UNVD2, W/KEY ACCESSORIES AS REQUIRED AT EACH UNIT.	LED 3500K 80+ CRI	NON-DIMMING	UNV	24
BG2	SURFACE MOUNTED	SAME AS BG1 EXCEPT REDUCED WATTAGE & OUTPUT.	USAI	BLSDS-12C3-35KS-90-B F-(FINISH)-CC-UNVD2, W/KEY ACCESSORIES AS REQUIRED AT EACH UNIT.	LED 3500K 80+ CRI	NON-DIMMING	UNV	12
BH1	RECESSED	4" SQUARE RECESSED EXTERIOR L.E.D. DOWNLIGHT, U.L. WET LOCATION LISTED, ENCLOSED & GASKETED, WITH NOM. 3" D ENAMELED ALUMINUM HOUSING, REGRESSED LENS PROVIDING MEDIUM FLOOD DISTRIBUTION, GASKET BETWEEN TRIM & CEILING/RECESSED DOWNLIGHT MEDIUM FLOOD OPTICS	KIRRLIN	LRS-04503-2500L-120-2-3-45-	LED 3500K 80+ CRI 2500 LM	INTEGRAL ELECTRONIC LED DIMMING DRIVER 0-10V, 100%-10%	120	36



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### LIBERTY UNION HIGH SCHOOL DISTRICT

#### REVISIONS

NO.	DATE	DESCRIPTION
3	12/21/20	ADDENDUM 03

DSA APP NO. 01-119033  
ARCH PROJECT NO. 1783.00  
DRAWN BY: LN  
DRAWING SCALE: AS NOTED  
PTN: 61721-75 FILE NO: 7-H4

CD  
DECEMBER 2, 2020

### ADDENDUM 03 LUMINAIRE SCHEDULE

SHEET NUMBER

## E-0.3

LIGHTING CONTROL SEQUENCE OF OPERATIONS										
SPACE TYPE	OCC SENSOR SETPOINT	PHOTOCELL SETPOINT	NORMAL BUSINESS HOURS		AFTER HOURS		OVERRIDE			AUTOMATIC DEMAND RESPONSE
			LIGHTING	RECEPTACLES	LIGHTING	RECEPTACLES	LIGHTING	RECEPTACLES	DURATION	
<b>ADMINISTRATION BUILDING</b>										
CORRIDORS	AUTO ON/OFF IN 20 MIN	NA	OCCUPANCY SENSOR BRINGS LIGHT TO 100%, LIGHT GOES TO 50% WHEN NO ONE IS DETECTED	NOT REQUIRED TO BE CONTROLLED	OCCUPANCY SENSOR BRINGS LIGHT TO 100%, LIGHT GOES TO 0% WHEN NO ONE IS DETECTED	NA	ON/DIM/OFF VIA MANUAL CONTROL	NA	NA	NOT REQUIRED
STAFF LOUNGE	AUTO ON/OFF IN 20 MIN	50FC AT WORKPLANE	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	CONTROLLED BY OCCUPANCY SENSOR	SAME AS DURING NORMAL BUSINESS HOURS	CONTROLLED BY OCCUPANCY SENSOR				NOT REQUIRED
STAFF WORKROOM	AUTO ON/OFF IN 20 MIN	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	CONTROLLED BY OCCUPANCY SENSOR	SAME AS DURING NORMAL BUSINESS HOURS	CONTROLLED BY OCCUPANCY SENSOR				NOT REQUIRED
RECEPTION	AUTO ON/OFF IN 20 MIN	50FC AT WORKPLANE	OCCUPANCY SENSOR BRINGS LIGHT TO 100%, LIGHT GOES TO 50% WHEN NO ONE IS DETECTED	NOT REQUIRED TO BE CONTROLLED	OCCUPANCY SENSOR BRINGS LIGHT TO 100%, LIGHT GOES TO 0% WHEN NO ONE IS DETECTED	NA	ON/DIM/OFF VIA MANUAL CONTROL	NA	NA	NOT REQUIRED
AP SEC	AUTO ON/OFF IN 20 MIN	75FC AT WORKPLANE	OCCUPANCY SENSOR BRINGS LIGHT TO 100%, LIGHT GOES TO 50% WHEN NO ONE IS DETECTED	NOT REQUIRED TO BE CONTROLLED	OCCUPANCY SENSOR BRINGS LIGHT TO 100%, LIGHT GOES TO 0% WHEN NO ONE IS DETECTED	NA	ON/DIM/OFF VIA MANUAL CONTROL	NA	NA	NOT REQUIRED
CONFERENCE	MANUAL ON/OFF IN 20 MINUTES	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	CONTROLLED BY OCCUPANCY SENSOR	SAME AS DURING NORMAL BUSINESS HOURS	CONTROLLED BY OCCUPANCY SENSOR				NOT REQUIRED
TOILET	MANUAL ON/OFF IN 20 MINUTES	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
STORAGE	MANUAL ON/OFF IN 20 MINUTES	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
LOCKER	MANUAL ON/OFF IN 20 MINUTES	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
CUSTODIAN	MANUAL ON/OFF IN 20 MINUTES	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
MAIL ROOM	AUTO ON/OFF IN 20 MIN	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
REGISTRATION	AUTO ON/OFF IN 20 MIN	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
CUM FILES	AUTO ON/OFF IN 20 MIN	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
ELECTRICAL EQUIPMENT ROOMS	MANUAL ON/OFF	NA	ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
NURSE	MANUAL ON/OFF IN 20 MINUTES	75FC AT WORKPLANE	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
OFFICE	MANUAL ON/OFF IN 20 MINUTES	75FC AT WORKPLANE	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	CONTROLLED BY OCCUPANCY SENSOR	SAME AS DURING NORMAL BUSINESS HOURS	CONTROLLED BY OCCUPANCY SENSOR				NOT REQUIRED
<b>CAFETERIA BUILDING B</b>										
DINING	AUTO ON/OFF IN 20 MIN	60FC AT WORKPLANE	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
KITCHEN/PREP	AUTO ON/OFF IN 20 MIN	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
SERVERY	AUTO ON/OFF IN 20 MIN	75FC AT WORKPLANE	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
OFFICE	MANUAL ON/OFF IN 20 MINUTES	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	CONTROLLED BY OCCUPANCY SENSOR	SAME AS DURING NORMAL BUSINESS HOURS	CONTROLLED BY OCCUPANCY SENSOR				NOT REQUIRED
DRY STORAGE	MANUAL ON/OFF IN 20 MINUTES	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
ELECTRICAL EQUIPMENT ROOMS	MANUAL ON/OFF	NA	ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
CLASSROOM	MANUAL ON/OFF IN 20 MIN	75FC AT WORKPLANE	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
CUSTODIAN, STORAGE	MANUAL ON/OFF IN 15 MIN	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
ELECTRICAL EQUIPMENT ROOMS	MANUAL ON/OFF	NA	ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
CORRIDOR, HALLWAY, VESTIBULE	AUTO ON/OFF IN 20 MIN	NA	OCCUPANCY SENSOR BRINGS LIGHT TO 100%, LIGHT GOES TO 50% WHEN NO ONE IS DETECTED	NOT REQUIRED TO BE CONTROLLED	OCCUPANCY SENSOR BRINGS LIGHT TO 100%, LIGHT GOES TO 0% WHEN NO ONE IS DETECTED	NA	ON/DIM/OFF VIA MANUAL CONTROL	NA	NA	NOT REQUIRED
MECHANICAL, PLUMBING, IDF ROOMS	MANUAL ON/OFF IN 20 MIN	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
CONFERENCE ROOM	MANUAL ON/OFF IN 20 MIN	NA	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS	CONTROLLED BY OCCUPANCY SENSOR	SAME AS DURING NORMAL BUSINESS HOURS	CONTROLLED BY OCCUPANCY SENSOR				NOT REQUIRED
RECEPTION AREA	MANUAL ON/OFF IN 20 MIN	75FC AT WORKPLANE	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS AND PHOTOSENSOR	CONTROLLED BY OCCUPANCY SENSOR	SAME AS DURING NORMAL BUSINESS HOURS	CONTROLLED BY OCCUPANCY SENSOR				NOT REQUIRED
OFFICE	MANUAL ON/OFF IN 20 MIN	NA	ON/OFF PER OCCUPANCY SENSOR, DIM VIA MANUAL CONTROLS	CONTROLLED BY OCCUPANCY SENSOR	SAME AS DURING NORMAL BUSINESS HOURS	CONTROLLED BY OCCUPANCY SENSOR				NOT REQUIRED
RESTROOMS	CEILING SENSOR AUTO ON/OFF IN 20 MIN, WALL SENSOR MANUAL ON/OFF IN 20 MIN	NA	ON/OFF PER OCCUPANCY SENSOR, ON/OFF VIA MANUAL CONTROLS	NOT REQUIRED TO BE CONTROLLED	SAME AS DURING NORMAL BUSINESS HOURS	NA				NOT REQUIRED
<b>EXTERIOR LIGHTING</b>										
EXTERIOR LIGHTS ZONE SB3 TRASH ENCLOSURE	NA	NA	MANUAL ON/OFF USING LOCAL TIMECLOCK OVERRIDE SWITCH	NOT REQUIRED TO BE CONTROLLED	CONTROLLED BY ASTRONOMICAL TIME CLOCK, PROGRAMMED TO BE OFF AT ALL TIMES.	NA	ON/OFF VIA LOCAL MANUAL CONTROL		2 HR	NOT REQUIRED
EXTERIOR LIGHTS ZONE SB5 LOGO AND METAL PANELS	NA	NA		NOT REQUIRED TO BE CONTROLLED	CONTROLLED BY ASTRONOMICAL TIME CLOCK, ON DUSK TO LATE EVENING. OBTAIN SCHEDULE FROM OWNER.	NA	ON/OFF VIA LOCAL MANUAL CONTROL		2 HR	NOT REQUIRED
EXTERIOR LIGHTS ZONES SB1, SB6, SB9, SA1, SA3, SA5	NA	NA		NOT REQUIRED TO BE CONTROLLED	CONTROLLED BY ASTRONOMICAL TIME CLOCK, ON DUSK TO LATE EVENING. OBTAIN SCHEDULE FROM OWNER.	NA	ON/OFF VIA LOCAL MANUAL CONTROL		2 HR	NOT REQUIRED
EXTERIOR LIGHTS ZONES SB2, SB7, SB9, SA2, SA4, SA6	NA	NA		NOT REQUIRED TO BE CONTROLLED	CONTROLLED BY ASTRONOMICAL TIME CLOCK, ON DUSK TO DAWN	NA	ON/OFF VIA LOCAL MANUAL CONTROL		2 HR	NOT REQUIRED
NOTES:										
1. THE INTENT OF THIS SCHEDULE IS TO CLARIFY THE PROGRAMMING AND FUNCTION OF CONTROLS THAT MAY BE LOCATED IN EACH SPACE TYPE.										
2. THIS SCHEDULE IS NOT INTENDED TO DEFINE WHICH CONTROLS ARE TO BE INSTALLED IN EACH SPACE TYPE.										
3. FOR ACTUAL CONTROL DEVICES TO BE INSTALLED IN EACH SPACE, REFER TO PLANS.										
4. ALL SETPOINTS AND TIME SCHEDULES TO BE VERIFIED WITH OWNER PRIOR TO PROGRAMMING.										
5. ALL LIGHTING CONTROL DEVICES TO BE CALIBRATED AND COMPLIANCE PERFORMANCE TESTED PER SPECIFICATION SECTION 26 0800 PARAGRAPH 3.2.										



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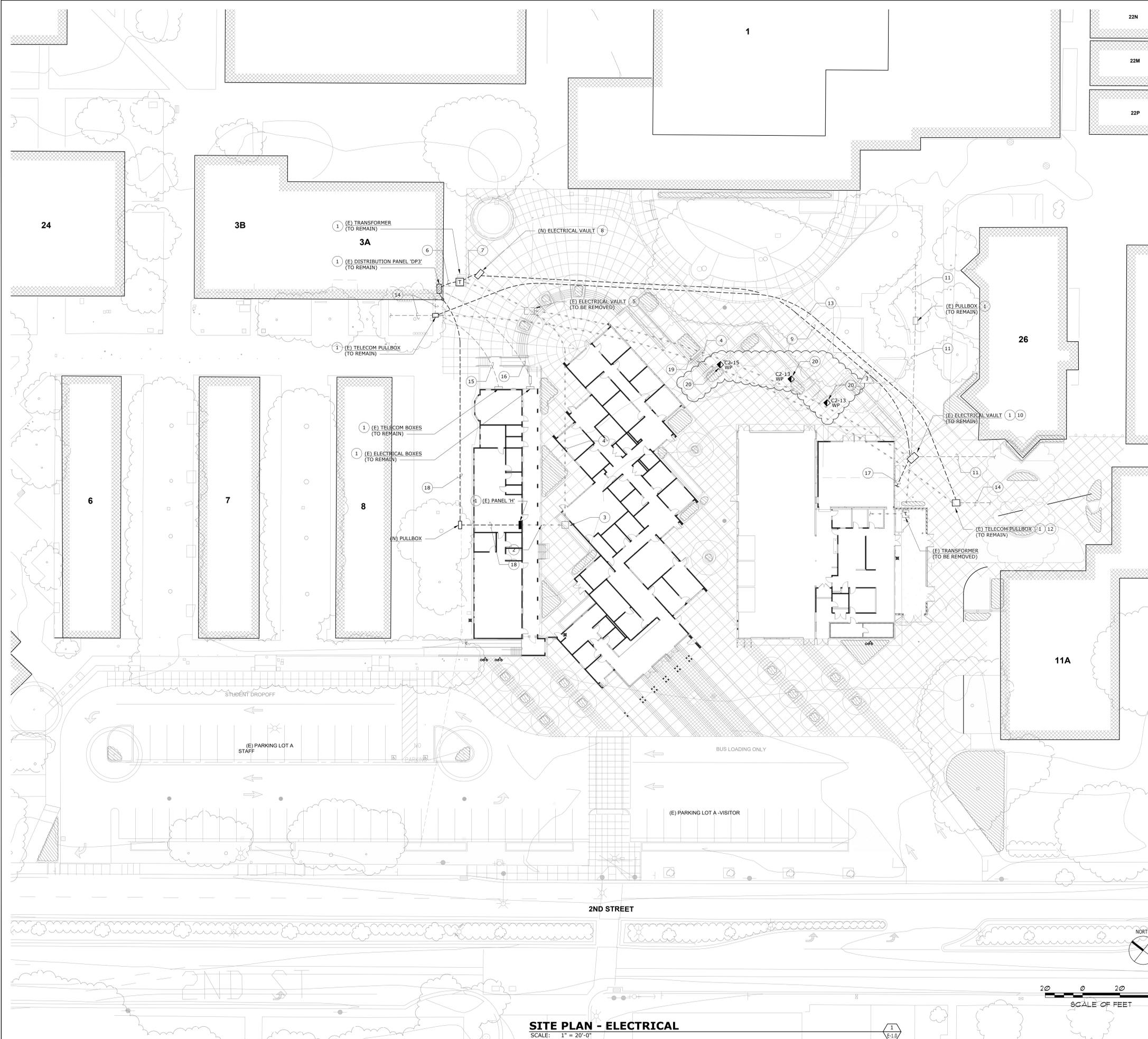
REVISIONS		
3	12/21/20	ADDENDUM 03

DSA APP NO. 01-119033  
 ARCH PROJECT NO. 1783.00  
 DRAWN BY: LN  
 DRAWING SCALE: AS NOTED  
 PTN: 61721-75 FILE NO: 7-H4

CD  
 DECEMBER 2, 2020

**ADDENDUM 03  
 LIGHTING - SEQUENCE OF OPERATIONS**

SHEET NUMBER  
**E-0.4**



**NUMBERED SHEET NOTES**

- 1 (E) EQUIPMENT, VAULT, OR UNDERGROUND LINES TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 2 (E) POWER FEEDER INTO BUILDING TO (E) PANEL 'H'. DISCONNECT AND REMOVE. PANEL 'H' TO REMAIN AND BE RECONNECTED WITH A NEW FEEDER FROM (E) DISTRIBUTION PANEL 'DP3'. SEE NOTE 18.
- 3 (E) IN-GROUND POWER VAULT TO BE REMOVED. DISCONNECT AND REMOVE (E) PANEL 'H' FEEDER RUNNING THROUGH BOX, BACK TO SOURCE AND LOAD.
- 4 (E) UNDERGROUND PANEL 'H' FEEDER TO BE REMOVED BETWEEN (E) DISTRIBUTION PANEL 'DP3' AND (E) PANEL 'H'.
- 5 (E) IN-GROUND POWER VAULT TO BE REMOVED. DISCONNECT AND REMOVE (E) POWER FEEDERS FOR (E) DISTRIBUTION PANEL 'DP3' AND (E) PANEL 'H', RUNNING THROUGH BOX.
- 6 (E) 208V FEEDER FROM TRANSFORMER TO PANEL 'DP3' TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 7 PROVIDE AND INSTALL (N) TRANSFORMER FEEDER FROM PRIMARY SIDE OF (E) TRANSFORMER TO SPLICE POINT AT SOUTH SIDE OF WORK AREA (NOTE 10).
- 8 PROVIDE AND INSTALL (N) FLUSH IN-GROUND POWER VAULT (3'x5') WITH STEEL LID LABELED "POWER". COORDINATE EXACT LOCATION WITH NEW HARDSCAPE DESIGN AND ORIENT PARALLEL AND PERPENDICULAR TO NEW HARDSCAPE LINES AND FEATURES.
- 9 PROVIDE AND INSTALL NEW 4" UNDERGROUND SCHEDULE 40 PVC TRANSFORMER PRIMARY SIDE FEEDER - (3)#500 KCMIL + (1)#26 - THROUGH (N) HARDSCAPE AREA, FROM PRIMARY SIDE OF (E) TRANSFORMER TO SPLICE POINT AT SOUTH SIDE OF WORK AREA (NOTE 10). RECONNECT TRANSFORMER COMPLETE.
- 10 INTERCEPT (E) TRANSFORMER FEEDER FOR PANEL 'DP3' AT THIS PULLBOX AND SPLICE (E) 500 KCMIL CONDUCTORS FOR EXTENSION OF NEW AS SHOWN (SEE NOTE 9). UTILIZE LONG BARREL HIGH COMPRESSION BUT SPLICES AND 3M COLD SHRINK INSULATION FOR SPLICING OF EACH PHASE CONDUCTOR AND GROUND, FOR A COMPLETELY WATER-TIGHT SPLICE.
- 11 (E) UNDERGROUND ELECTRICAL FEEDERS TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 12 INTERCEPT (E) TELECOM FEEDERS AT THIS PULLBOX AND SPLICE FOR EXTENSION OF NEW AS SHOWN, WITH COMPLETELY WATER-TIGHT FIBER AND COPPER SPLICE CASES IN (E) VAULT.
- 13 PROVIDE AND INSTALL (N) COPPER AND FIBER TELECOM FEEDERS TO REPLACE (E) LINES THROUGH (N) HARDSCAPE AREA, FROM TELECOM BOXES AT NORTH AND SOUTH SIDES OF WORK AREA.
- 14 (E) TELECOM FEEDERS TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 15 (E) TELECOM FEEDERS TO BUILDING A TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 16 (E) POWER WIRING TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 17 PROVIDE AND INSTALL NEW UNDERGROUND FEEDER TO (N) TRANSFORMER, FED FROM (E) 480V SERVICE PANEL TO THE SOUTH.
- 18 PROVIDE AND INSTALL NEW 3" UNDERGROUND SCHEDULE 40 PVC PANEL 'H' FEEDER - (4)#350 KCMIL + (1)#4G - THROUGH (N) HARDSCAPE AREA, FROM (E) DISTRIBUTION PANEL 'DP3' TO (E) PANEL 'H'. RECONNECT PANEL COMPLETE.
- 19 (E) UNDERGROUND TELECOM FEEDERS TO BE REMOVED BETWEEN (E) PULL BOXES SHOWN. FIELD IDENTIFY EACH CONDUCTOR - CABLE, TAG, AND SPLICE (N) PER NOTE 13.
- 20 LOW PROFILE CUSTOM TUBE STEEL POWER PEDESTAL. SEE 2/E-5.3.

**GENERAL SITE NOTES**

ALL CONDUIT ROUTING SHOWN ON THIS PLAN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY ALL (E) UNDERGROUND CONDITIONS IN THE AREA OF WORK, PRIOR TO DIGGING. MAINTAIN A MINIMUM LATERAL CLEARANCE FROM ALL NEW AND EXISTING TREES. REFER TO PLANTING PLAN L4.1 AND TREE PRESERVATION STANDARDS ON L4.1. INSTALL ALL (N) WORK TO BEST ACCOMMODATE (E) AND (N) OBSTRUCTIONS, INCLUDING BIO-RETENTION AREAS.



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LIBERTY UNION HIGH SCHOOL DISTRICT

REVISIONS	
3	12/21/20 ADDENDUM 03

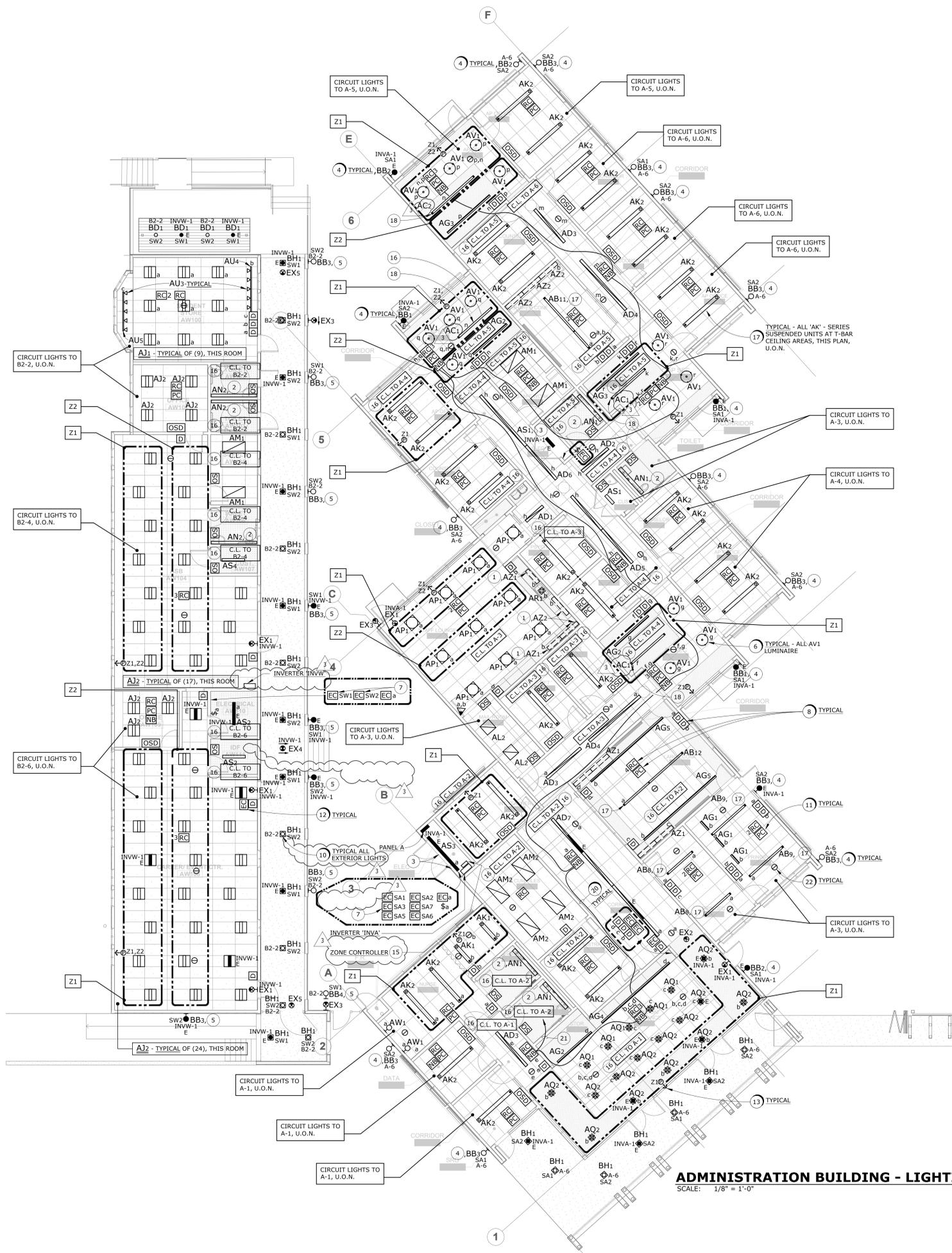
DSA APP NO. 01-119033  
 ARCH PROJECT NO. 1783.00  
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 DRAWING SCALE: AS NOTED  
 PTN: 61721-75 FILE NO: 7-44

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 DECEMBER 2, 2020

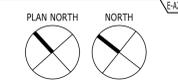
SHEET TITLE  
**ADDENDUM 03**  
**SITE PLAN - ELECTRICAL**

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SHEET NUMBER  
**E-1.0**



**ADMINISTRATION BUILDING - LIGHTING**  
SCALE: 1/8" = 1'-0"



**NUMBERED SHEET NOTES**

- 1 TYPE 'AZ' UNITS MOUNTED AT BOTTOMS OF UPPER CABINETS; COORDINATE CONCEALING FACIA AT CASEWORK BOTTOMS, MIN. 2" DEEP; SEE DETAIL 5/E7.3.
- 2 WALL MOUNTED AT 7'-6" A.F.F.; COORDINATE WITH MIRROR INSTALLER TO PROVIDE MIN. 2" CLEAR ABOVE TOP OF MIRRORS TO BOTTOMS OF AN-SERIES LUMINAIRES; COORDINATE WITH FRAMING CONTRACTOR FOR BLOCKING IN WALL AS REQUIRED TO PREVENT SAGGING OF LUMINAIRES AFTER INSTALLATION; SEE DETAIL 5/E7.2.
- 3 MOUNT ON VERTICAL HEADER WALL, ABOVE DOOR, WITH MIN. 3" CLEAR BETWEEN BOTTOM OF LUMINAIRE AND TOP OF THE DOOR OPENING.
- 4 MOUNT ALL 'BB' SERIES UNITS ON ADMIN BUILDING ON EXTERIOR WALLS AT 9'-0" TO BOTTOM, U.O.N.
- 5 MOUNT ALL 'BB3' SERIES UNITS ON A-WING BUILDING ON EXTERIOR WALLS AT +13'-0" TO BOTTOM, U.O.N. CONFIRM ROUTING OF ALL EXPOSED R.S.C. SERVING 'BB'-SERIES UNITS WITH THE ARCHITECT, PRIOR TO ROUGH-IN; PROVIDE ALL 'BB'-SERIES UNITS WITH SURFACE RACEWAYS WITH OPTIONAL SURFACE BACKBOX ADAPTER.
- 6 MOUNT REMOTE DRIVER ABOVE ACCESSIBLE CEILING.
- 7 LABEL EMERGENCY LIGHTING CONTROL MODULES FOR SA1-SA6, SW1, SW2 "EXTERIOR".
- 8 PROVIDE AND INSTALL DIMMER SWITCH(ES), OCCUPANCY SENSOR(S), ISOLATED RELAY(S), PLUG CONTROLLER(S), PHOTOSENSOR(S), ROOM CONTROLLERS AND NETWORK BRIDGES WHERE SHOWN. SEE DETAILS ON SHEET E-5-5.2. MOUNT ROOM CONTROLLER ABOVE ACCESSIBLE CEILING WHEREVER POSSIBLE.
- 9 SEE E-5.3 FOR INVERTER SPECIFICATIONS.
- 10 ROUTE ALL EXTERIOR LIGHTING CIRCUITS HOME VIA CONTROL CONTACTS PROVIDED BY DIV. 23 FOR CONTROL OF EXTERIOR LIGHTING (LOCATED IN THE ELECTRIC ROOM FOR EACH BUILDING). DIVISION 23 SHALL PROVIDE THE TIMELOCK BYPASS SWITCH REQUIRED BY TITLE 24. SEE DETAIL 5/E-5.3. TYPICAL FOR ALL EXTERIOR BUILDING-MOUNTED LUMINAIRES.
- 11 NUMERAL ADJACENT TO ROOM CONTROLLER INDICATES NUMBER OF CONTROL ZONES REQUIRED. VENDOR OR CONTRACTOR TO PROVIDE QUANTITY OF ROOM CONTROLLERS REQUIRED FOR THE NUMBER OF CONTROLLED ZONES.
- 12 PROVIDE AN EMERGENCY LIGHTING CONTROL MODULE FOR ALL SWITCHED LIGHT FIXTURES ON EMERGENCY INVERTER. THIS INCLUDES EMERGENCY FIXTURES CONTROLLED BY OCCUPANCY SENSORS. SEE 5/E-5.2. MOUNT CONTROL MODULE/TTEST SWITCH 7'-6" A.F.F. AND ALIGN WITH LIGHT SWITCH BELOW WHEREVER POSSIBLE, OR ELSE LABEL EXACT MODULE WITH CORRESPONDING ROOM NAME.
- 13 COORDINATE WITH ALL OTHER TRADES TO ENSURE UNOBSTRUCTED PHOTOCELL "VIEW" OUT WINDOW.
- 14 ENGRAVE "EXT LTS".
- 15 WATTSTOPPER LMCZ-301 ZONE CONTROLLER TO PROVIDE SCHEDULED CONTROL OF CORRIDOR LIGHTING. MOUNT TO WALL ABOVE INVERTER. SEE DIAGRAM 5/E-5.2. CIRCUIT TO A-9. MOUNT TO WALL ABOVE INVERTER.
- 16 "BOXED" NOTE ("C.L. TO LPXX-X" INDICATES: "CONNECT LUMINAIRES IN THIS ROOM TO BRANCH CIRCUIT "LPXX-X" U.O.N."; SEE PANELBOARD SCHEDULE.
- 17 SEE DETAIL 8/E7.2 FOR MOUNTING.
- 18 SEE DETAIL 9/E7.2 FOR MOUNTING.
- 19 NOT USED.
- 20 MS/TP DATA CABLE CONNECTING NETWORK BRIDGES.
- 21 TO ZONE CONTROLLER IN ELECTRICAL ROOM A112. SEE 5/E-5.2.
- 22 MOUNT OCCUPANCY SENSOR AT LEAST 6'-0" FROM SUPPLY AIR AND COOLING AIR VENTS. TYPICAL ALL SENSORS U.O.N.

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REVISIONS	
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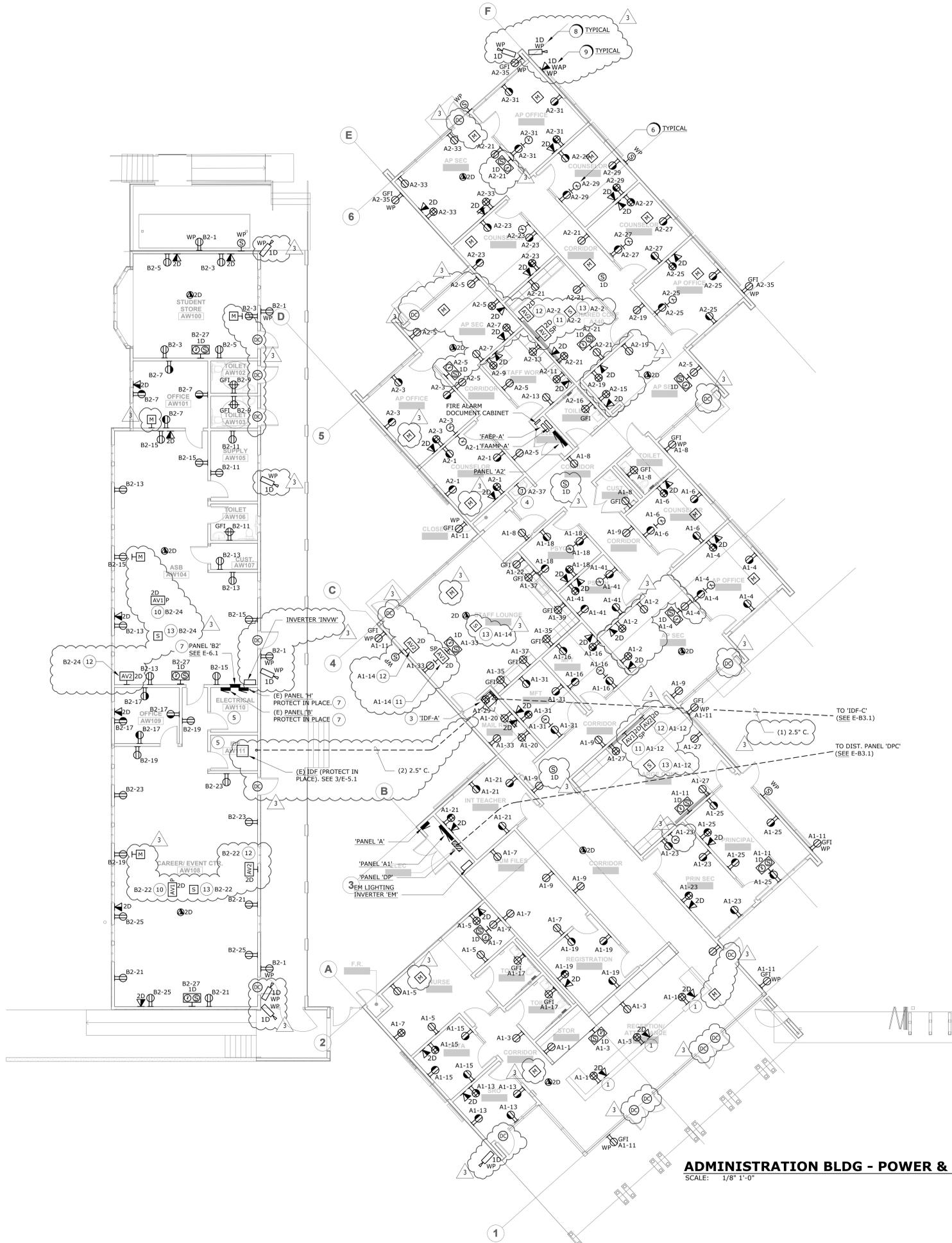
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ARCH PROJECT NO. 1783.00  
DRAWN BY: LN  
DRAWING SCALE: AS NOTED  
PTN: 61721-75 FILE NO. 7-H4

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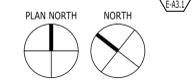
**ADDENDUM 03**  
**ADMINISTRATION BLDG - LIGHTING**

SHEET NUMBER  
**E-A2.1**





**ADMINISTRATION BLDG - POWER & SIGNAL**  
SCALE: 1/8" 1'-0"



**NUMBERED SHEET NOTES**

- 1 FLUSH MOUNTED IN CUSTOM CASEWORK S.A.D. FOR EXACT LOCATIONS.
- 2 NOT USED.
- 3 'IDF-A', WALL MOUNTED, FLOOR SUPPORTED ON CASTERS, SWING-OUT STYLE; 6'H x 30'D (15" RACK FRAME).
- 4 DRINKING FOUNTAIN WITH COOLER.
- 5 PROTECT IN PLACE ALL (E) EQUIPMENT.
- 6 FOR ALL CLOCKS PROVIDE 120V CIRCUIT.
- 7 IN PANEL 'H', REPLACE (E) 90A BREAKER WHICH SUB-FEEDS (E) PANEL 'B' WITH 100A BREAKER. SUB FEED PANEL 'B2' WITH THIS NEW 100A BREAKER. SUB-FEED (E)PANEL 'B' FROM PANEL 'B2'. SEE PANEL SCHEDULE ON E-6.1.
- 8 PROVIDE RED CATEGORY 6A CABLE AND WP DATA JACK FOR DISTRICT PROVIDED IP SECURITY CAMERA TO BE POLE MOUNTED ON INTERIOR SIDE OF PARAPET. COORDINATE EXACT ROUGH-IN LOCATION WITH SECURITY CAMERA INSTALLER PRIOR TO ROUGH-IN.
- 9 PROVIDE YELLOW CATEGORY 6A CABLE AND WP DATA JACK FOR DISTRICT PROVIDED EXTERIOR WI-FI ACCESS POINT. COORDINATE EXACT ROUGH-IN LOCATION WITH DISTRICT PRIOR TO ROUGH-IN.
- 10 AV1 'P': PROVIDE SURFACE MOUNT DOUBLE DUPLEX 120V OUTLET, DATA JACK, AND AV PASS THRU CABLING WHIPS, FOR CONNECTION TO CEILING MOUNT PROJECTOR ASSEMBLY. PROJECTOR AND MOUNT BY OTHERS. PROJECTOR WEIGHT IS LESS THAN 20LB.
- 11 AV1 'SP': PROVIDE 4-GANG HUBBELL AV BACKBOX #NSAV124M DOUBLE DUPLEX 120V OUTLET, DATA JACK, AND AV PASS THRU CABLING WHIPS, FOR CONNECTION TO SHORT THROW PROJECTOR ASSEMBLY. PROJECTOR AND MOUNT BY OTHERS. PROJECTOR WEIGHT IS LESS THAN 20LB.
- 12 AV2: PROVIDE 4-GANG HUBBELL AV BACKBOX #NSAV124M WITH DOUBLE DUPLEX 120V OUTLET, DATA JACK, AND AV INPUT PASS THRU CABLING ((2) HDMI, (1) 3.5mm AUDIO), INSET INTO WALL. COORDINATE LOCATION WITH ARCHITECT. CONTINUE 1-1/4" CONDUIT FROM AV INPUTS TO AV1 LOCATION.
- 13 'TOPCAT' ACCESS AUDIO SYSTEM WITH MEDIA CONNECTOR BY LIGHTSPEED. ALSO PROVIDE 1/2" C. TO PROJECTOR AND TERMINATE 3.5mm AUDIO CABLE COMPLETE.

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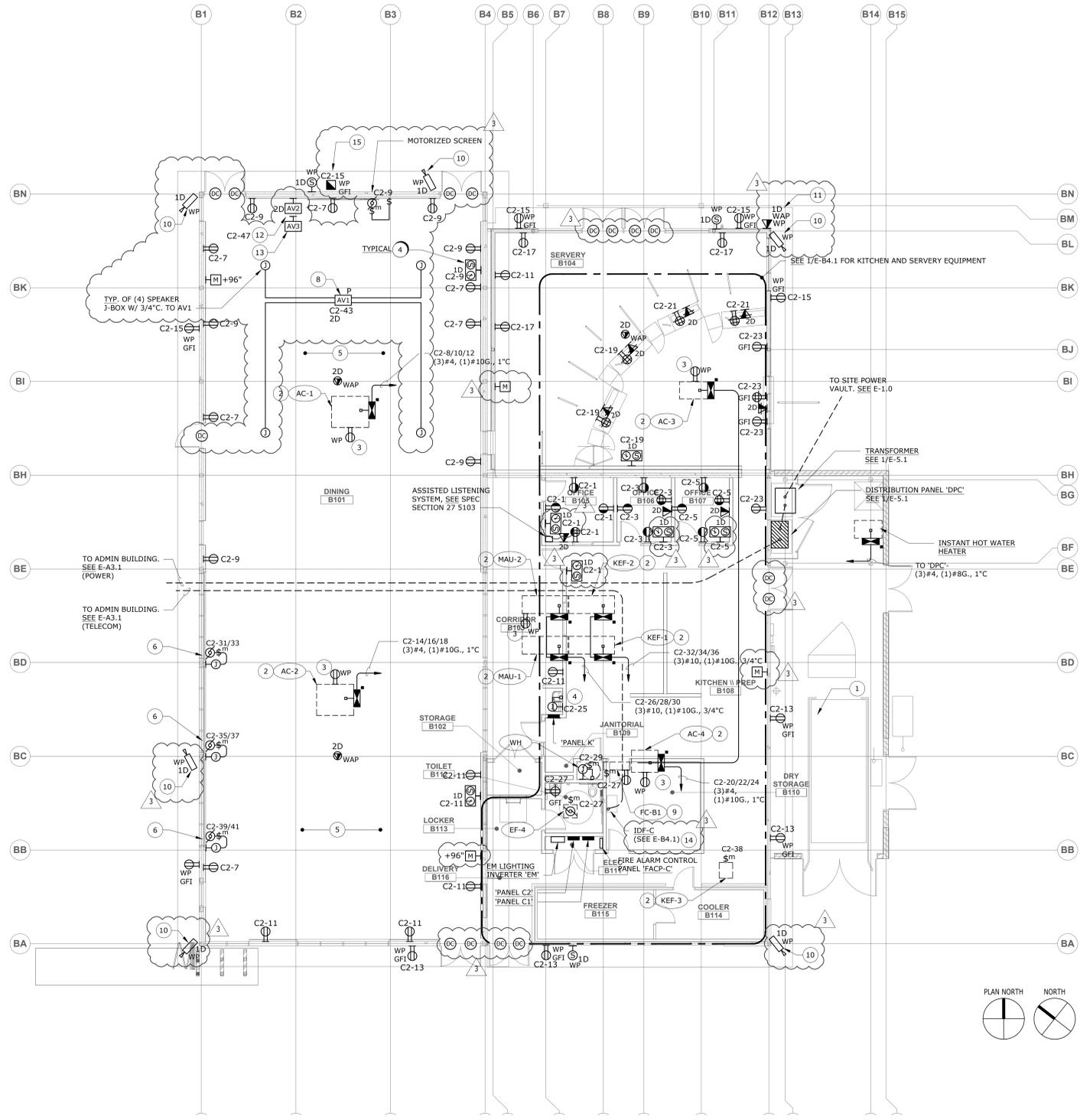
REVISIONS

3	12/21/20	ADDENDUM 03

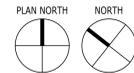
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SHEET TITLE  
ADDENDUM 03  
**ADMINISTRATION BLDG - POWER & SIGNAL**

SHEET NUMBER  
**E-A3.1**



**CAFETERIA KITCHEN PLAN - POWER & SIGNAL**  
SCALE: 1/8" = 1'-0"



**NUMBERED SHEET NOTES**

- 1 PROVIDE TEMPORARY POWER SOURCE FOR COMPACTOR AND CARDBOARD BAILER DURING DEMOLITION AND CONSTRUCTION PROCESS.
- 2 MECHANICAL EQUIPMENT LOCATED ON ROOF.
- 3 WEATHERPROOF OUTLET LOCATED ON ROOF. CONNECT TO CIRCUIT C2-40.
- 4 CHILLED WATER FILLING STATION.
- 5 FOR ALL ELECTRICAL / LIGHTING / LOW VOLTAGE ITEMS MOUNTED IN, ON, OR FROM THE HIGH CEILING AREA, PROVIDE MC CABLE (POWER) AND METALLIC FLEX CONDUIT (LOW VOLTAGE) UP SOUTH PERIMETER WALL FURRING AND INTO AND THROUGH CEILING CAVITY SPACE. REFER TO ARCHITECTURAL SECTIONS FOR PROFILE OF LIMITED WALL AND CEILING TRANSITION SPACE. FOR RACEWAYS IN CEILING, MAINTAIN A MINIMUM OF 1.5" CLEAR FROM THE BOTTOM OF ANY ROOFING MATERIALS, PER NEC 300.4(E).
- 6 ELECTRIC ROLL UP DOOR (208, 1PH, 30A). PROVIDE AND INSTALL PUSH BUTTON CONTROLS WITH 'UP', 'DOWN' AND 'STOP' FUNCTIONS. WIRING/CONDUIT: (2) #8 + (1) #10G. IN 3/4" C.
- 7 FOR ALL CLOCKS PROVIDE 120V CIRCUIT.
- 8 AV2: PROVIDE 4-GANG HUBBELL AV BACKBOX #NSAV124M WITH DOUBLE DUPLEX 120V OUTLET, DATA JACK, AND AV INPUT PASS THRU CABLING (2) HDMI, (1) 3.5mm AUDIO). INSET INTO WALL. COORDINATE LOCATION WITH ARCHITECT. CONTINUE 1-1/4" CONDUIT FROM AV INPUTS TO PROJECTOR LOCATION.
- 9 PROVIDE CIRCUIT C2-44/46 FOR FC-B1. ADDITIONALLY CO-LOCATE 120V OUTLET FOR CONDENSATE PUMP.
- 10 PROVIDE RED CATEGORY 6A CABLE AND WP DATA JACK FOR DISTRICT PROVIDED IP SECURITY CAMERA TO BE SURFACE MOUNTED ON UNDERSIDE OF ROOF SOFFIT BEYOND EDGE OF GLAZING BELOW. COORDINATE EXACT ROUGH-IN LOCATION WITH SECURITY CAMERA INSTALLER PRIOR TO ROUGH-IN.
- 11 PROVIDE YELLOW CATEGORY 6A CABLE AND WP DATA JACK FOR DISTRICT PROVIDED EXTERIOR WI-FI ACCESS POINT. COORDINATE EXACT ROUGH-IN LOCATION WITH DISTRICT PRIOR TO ROUGH-IN.
- 12 AV1 'P': PROVIDE SURFACE MOUNT DOUBLE DUPLEX 120V OUTLET, DATA JACK, AND AV PASS THRU CABLING WHIPS, FOR CONNECTION TO CEILING MOUNT PROJECTOR ASSEMBLY. PROJECTOR AND MOUNT BY OTHERS. PROJECTOR WEIGHT IS LESS THAN 20LB.
- 13 AV3: PROVIDE FLUSH 2-GANG AV BACKBOX FOR MEDIA SWITCHING INPUTS WITH 3/4" C. TO PROJECTOR ASSEMBLY.
- 14 'IDF-C', WALL MOUNTED, SWING-OUT STYLE; 3'H x 30"D (19" RACK FRAME).
- 15 LOW PROFILE CUSTOM TUBE STEEL POWER PEDESTAL. SEE 2/E-5.3.

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SHEET TITLE  
**ADDENDUM 03  
CAFETERIA  
KITCHEN PLAN -  
POWER &  
SIGNAL**

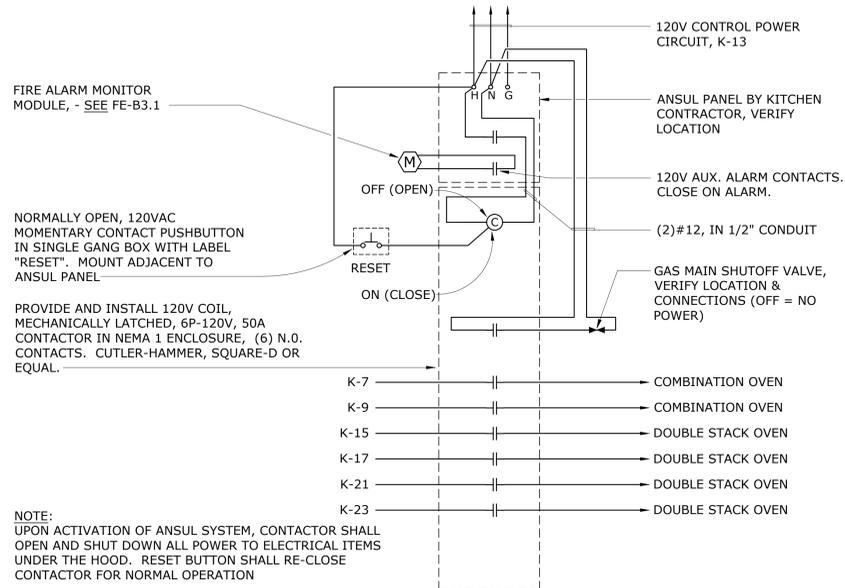
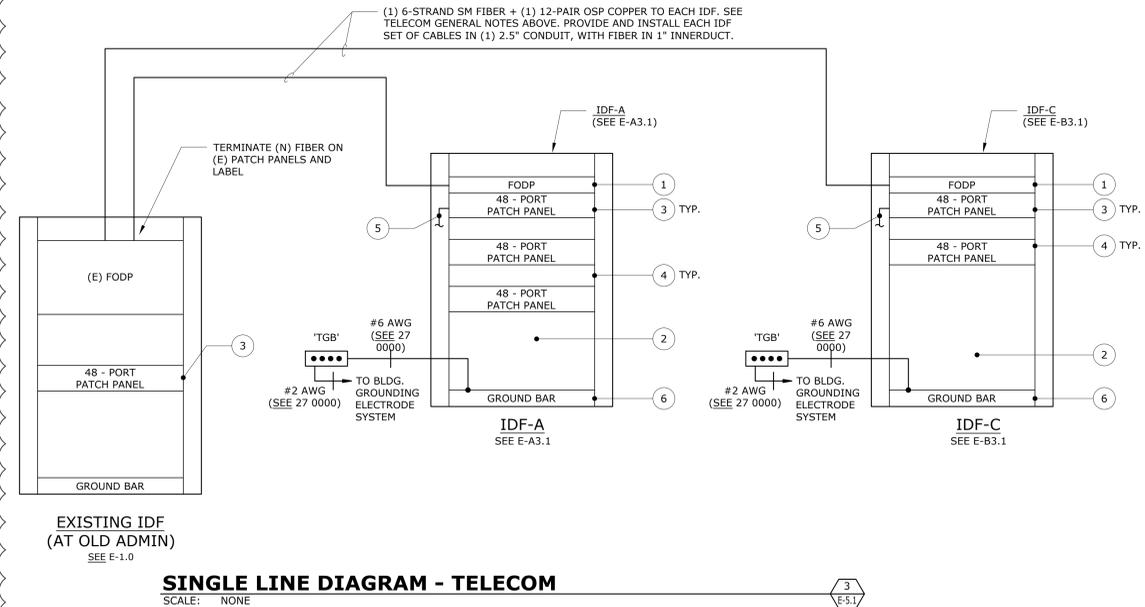
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**E-B3.1**

### TELECOM GENERAL NOTES

1. ALL NEW FIBER OPTIC SITE CABLING SHALL BE 6-STRAND SINGLE MODE (OS2) FOR 10GB OPERATION. U.S.N.
2. COPPER CABLING TO BE TERMINATED ON 110 BLOCKS ON EACH END AND LABELED AS SPARE (FOR ANY REQUIRED ANALOG LINES THAT MAY BE NECESSARY NOW OR IN THE FUTURE).
3. ALL COPPER CABLING ROUTED OUTDOORS OR IN SLAB SHALL BE RATED FOR OUTDOOR WET LOCATION USE. IN-SLAB COPPER CABLING MAY BE RATED INDOOR/OUTDOOR TYPE.
4. ALL FIBER CABLES SHALL BE INSTALLED IN INNER-DUCT. IF NOT INSTALLED IN INNER-DUCT, CABLES SHALL BE ARMORED CABLE TYPE.
5. PROVIDE QUANTITY OF FULLY TERMINATED PATCH PANEL PORTS AT EACH IDF TO SUPPORT THE QUANTITY OF TELECOM JACKS/CABLES AS INDICATED IN PLANS.

### TELECOM NUMBERED NOTES

- 1 FIBER OPTIC DISTRIBUTION PANEL, 12-PORT / LC CONNECTORS. PROVIDE 30' SERVICE LOOP.
- 2 SPACE FOR ACTIVE NETWORK EQUIPMENT BY DISTRICT.
- 3 48-PORT PATCH PANEL (2RU) - CATEGORY 6A RATED.
- 4 HORIZONTAL WIRE MANAGEMENT - 3RU.
- 5 CATEGORY 6A PATCH CORDS - CONTRACTOR TO PROVIDE COMPLETE CONNECTIONS BETWEEN ALL PASSIVE AND ACTIVE EQUIPMENT.
- 6 RACK MOUNTED UNIVERSAL COPPER GROUND BAR. PROVIDE #6AWG GROUNDING STRAPS) WITH CRIMPED LUG CONNECTORS AT EACH END TO EACH RACK MOUNTED PIECE OF EQUIPMENT, LENGTHS AS REQUIRED. NO DAISY CHAIN ALLOWED.



### GENERAL ELECTRICAL NOTES

1. CONTRACTOR TO RETAIN INDEPENDENT TESTING COMPANY (EMERSON OR EQUAL) TO PREPARE A SHORT-CIRCUIT AND COORDINATION STUDY (INCLUDING GROUND FAULT), AND ARC-FLASH STUDY FOR DISTRIBUTION SYSTEM, INCLUDING ALL ADJUSTABLE TRIP BREAKERS - SET BREAKER TRIP SETTING AS PER STUDY RECOMMENDATIONS AND IDENTIFY ALL ARC FLASH HAZARD LEVELS ON NEW AND EXISTING EQUIPMENT.
2. PER NEC 110.06, PROVIDE AND INSTALL ELECTRIC ARC FLASH WARNING SIGNS ON SWITCHBOARD AND ALL PANELBOARDS, TRANSFORMERS, CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROLS.

### COPPER FEEDER SCHEDULE

FEEDER	CONDUIT	CONDUCTORS
10004	(1) 3"	(4)350 MCM & (1)#2/0 G.
4003	(1) 3"	(3)500 MCM & (1)#2 G.
4004	(1) 3.5"	(4)500 MCM & (1)#2 G.
2254	(1) 3"	(4)#4/0 & (1)#4 G.
1004	(1) 1.5"	(4)#2 & (1)#8 G.
703	(1) 1"	(3)#4 & (1)#8 G.

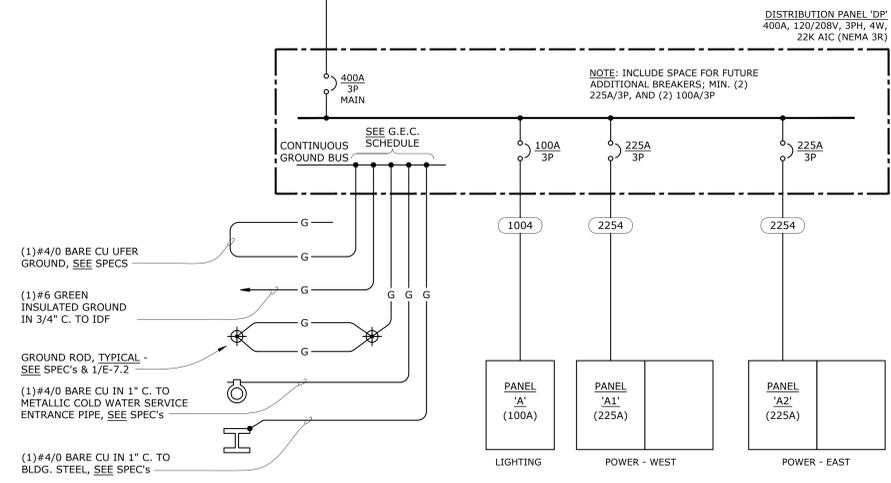
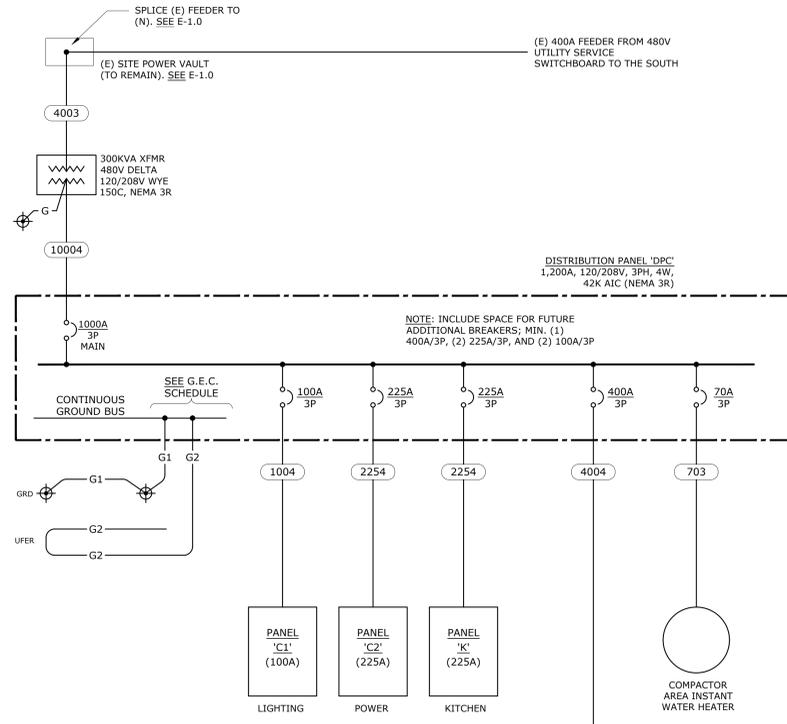
### FEEDER TAG KEY



NOTE: NOT ALL FEEDERS ON THIS SCHEDULE ARE NECESSARILY USED ON THIS PROJECT.

### GROUNDING ELECTRODE SCHEDULE

G1	(1)#4/0 CU TO GROUND RODS
G2	(1)#4/0 CU UFER GROUND (MIN. 30 LF IN PAD)



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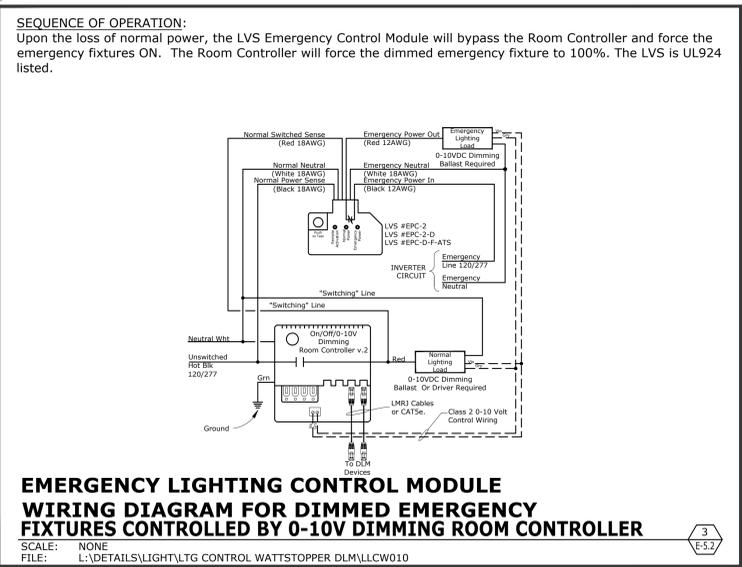
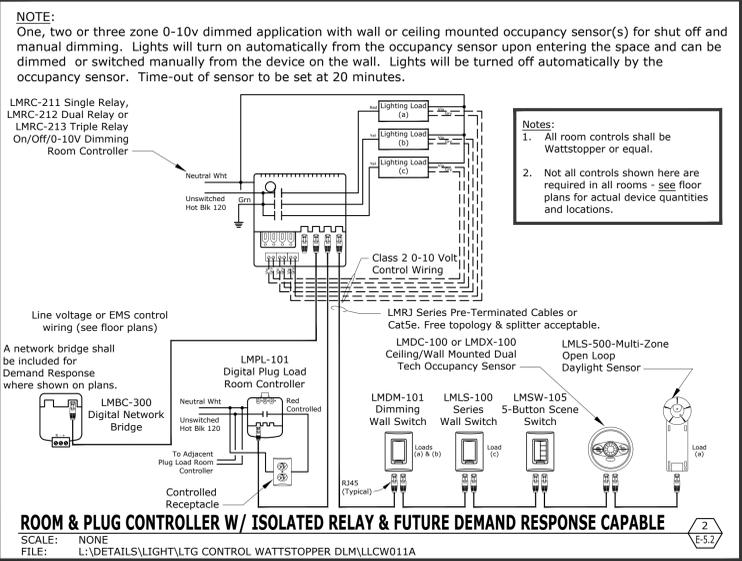
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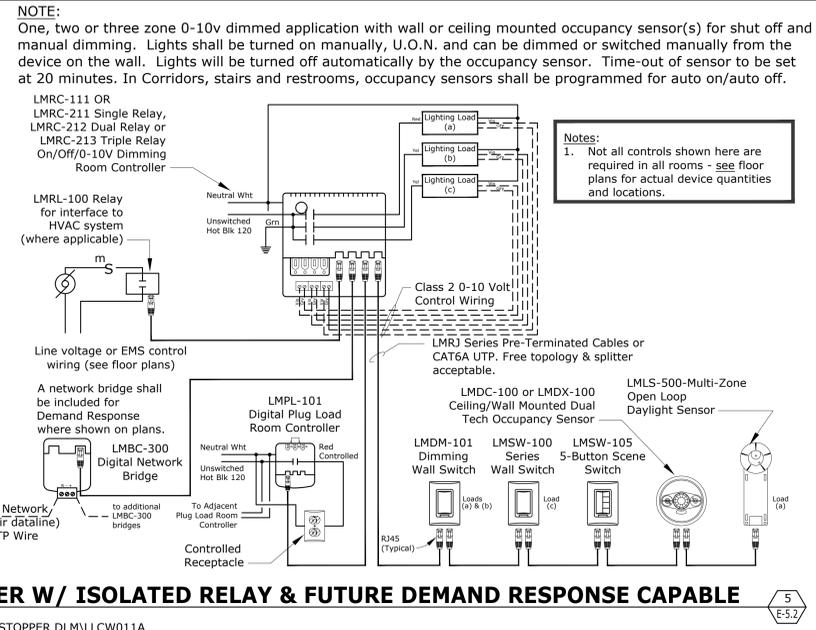
ADDENDUM 03  
**SINGLE LINE DIAGRAM - POWER**

SHEET NUMBER

**E-5.1**



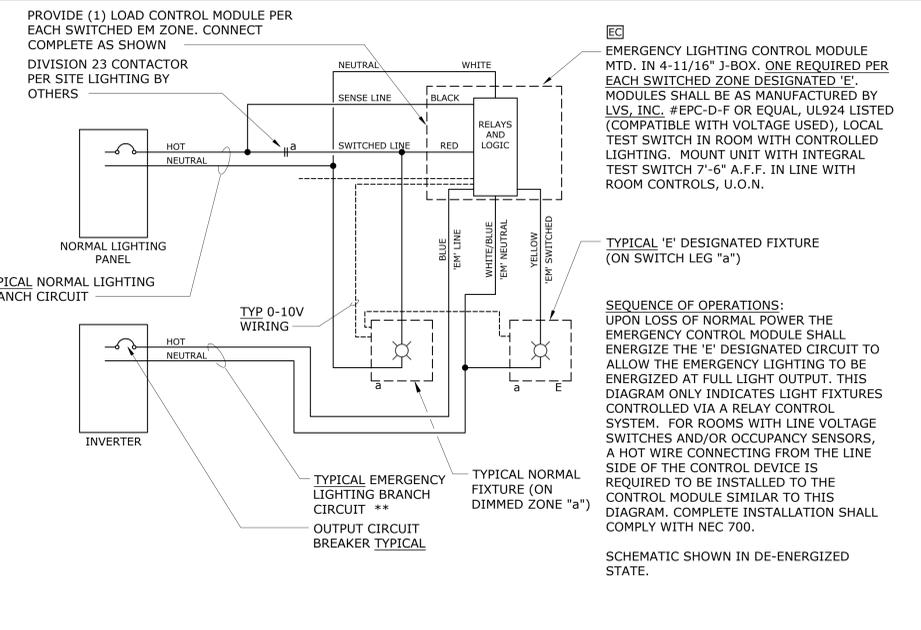
**CORRIDORS & STAIRWAYS:**  
Run Cat6A UTP cable from room controller to Segment Manager. Multi-zone 0-10v dimmed application with ceiling mounted occupancy sensors for Partial Off w/ Auto Off and manual dimming. Lights will turn on automatically from the occupancy sensor upon entering the space, and can be dimmed manually from the device on the wall. Lights will dim down to a 50% light level when the space is un-occupied during the buildings "Occupied Hours". Upon entering the "After-Hours" mode, the same occupancy sensors will automatically turn the lights off when the space is unoccupied. Time-out of sensor to be set at 20 minutes.



**NORMAL AND EMERGENCY LIGHTING STATUS**

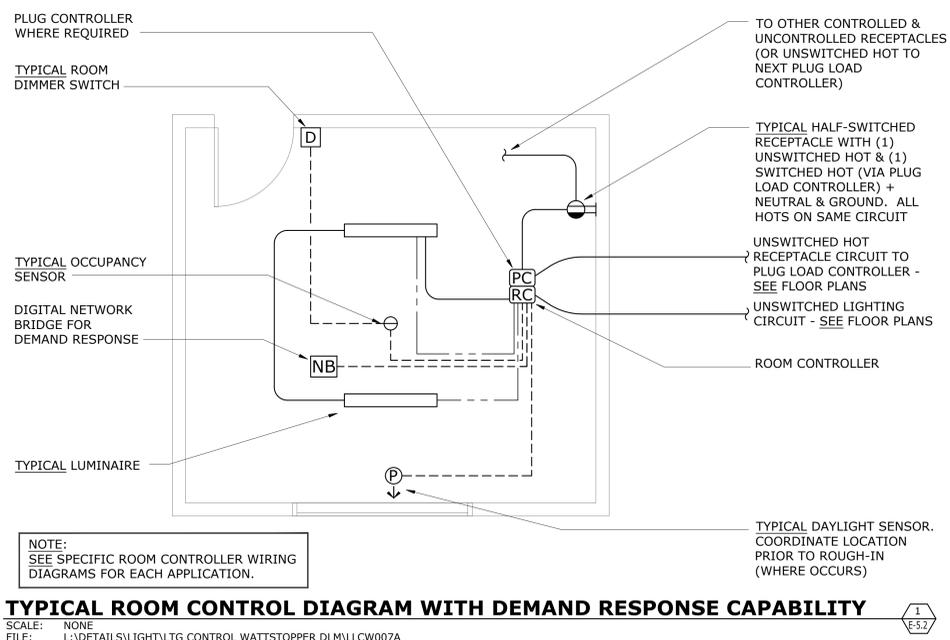
NORMAL POWER LINE IN	RELAY "a" STATUS	NORMAL "a" LIGHTING	EMERGENCY LIGHTING
120/277VAC	ON	ON	ON
120/277VAC	OFF	OFF	OFF
NONE	EITHER	OFF (NO POWER)	ON

**\*\* ALL EMERGENCY SOURCE CIRCUITS SHALL BE INSTALLED IN SEPARATE RACEWAYS (FROM NORMAL POWER), PER 2014 NEC 700.10(B), OR APPLICABLE CODE AT THE TIME OF PERMITTING.**



**WIRING LEGEND**

- BRANCH CIRCUIT WIRING - PROVIDED AND INSTALLED BY CONTRACTOR. EXACT QTY., TYPE AND SIZE VARIES
- - - CAT5e CABLING - PROVIDED AND INSTALLED BY CONTRACTOR. VERIFY WIRE TYPE WITH LIGHTING CONTROL MANUFACTURER
- - - 0-10V DIMMING CONTROL WIRING



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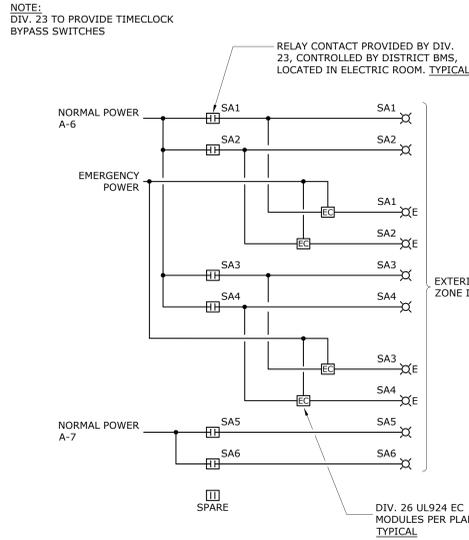
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SHEET TITLE: **ADDENDUM 03**  
**LIGHTING CONTROL DIAGRAMS**

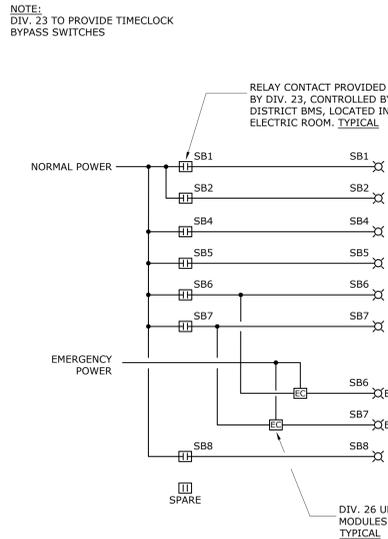
### INVERTER UNIT SPECIFICATIONS

- ALL EMERGENCY SOURCE CIRCUITS SHALL BE INSTALLED IN SEPARATE RACEWAYS (FROM NORMAL POWER), PER 2014 NEC 700.10(B), OR APPLICABLE CODE AT THE TIME OF PERMITTING.
- REFER ALSO TO SPECIFICATIONS SECTION 265101. UNITS SHALL BE MYERS POWER PRODUCTS ILLUMINATOR SERIES EM OR APPROVED EQUAL:  
INVA: 1-EM-1-S-BA2004-M-Z-2YW  
INVB: 1-EM-1-S-BA2003-M-Z-2YW  
INVC: 1-EM-1-S-BA2003-M-Z-2YW
- UNITS SHALL BE 120V 1PH 2W INPUT, 120V OUTPUT WITH 20AMP OUTPUT CIRCUIT BREAKER, RATED AS FOLLOWS:  
INVA: 1.0KVA  
INVB: 1.0KVA  
INVC: 1.0KVA
- INPUT SHALL BE EQUIPPED WITH ANSI 62.41 SURGE PROTECTION AND 1HZ NOMINAL SYNCHRONIZING SLEW RATE.
- OUTPUT VOLTAGE STATIC REGULATION SHALL BE +/- 5% FOR 100% RESISTIVE LOAD.
- OUTPUT DISTORTION SHALL BE 5% THD MAXIMUM.
- OVERLOAD RATING: 150% MOMENTARY; 120% FOR 5 MINUTES.
- TRANSFER TIME: NO BREAK
- BATTERY SHALL BE SEALED LEAD CALCIUM, 10 YEAR LIFE, 90 MINUTE RUN TIME, WITH AUTO-DISCONNECT FOR LOW BATTERY VOLTAGE.
- PROVIDE RS232 PORT FOR EXTERNAL COMMUNICATIONS.
- INVERTER SHALL BE PWM TYPE.
- PROVIDE MAINTENANCE BYPASS.
- PROVIDE IN NEMA 1 ENCLOSURE, FRONT ACCESS ONLY.
- PROVIDE FACTORY STARTUP AND TEST OF UNIT TO THE SATISFACTION OF BUILDING INSPECTION AUTHORITIES AND WITH MAXIMUM 4 HOURS OF PERSONNEL TRAINING FOLLOWING STARTUP.
- AUTO SELF TESTING.
- PROVIDE OUTPUT CIRCUIT BREAKERS RATED 20AMPS EACH WITH DEDICATED CIRCUITS FOR EACH OF THE EMERGENCY LIGHTING LOADS:  
INVA: 4 OUTPUT BREAKERS  
INVB: 3 OUTPUT BREAKERS  
INVC: 3 OUTPUT BREAKERS
- SEISMIC QUALIFIED.
- SUBMIT FOR REVIEW AND APPROVAL.



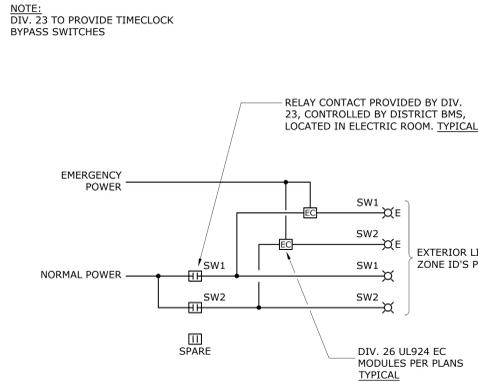
**EXTERIOR LIGHTING CONTROL DETAIL - BUILDING A**

SCALE: NONE  
FILE: E53



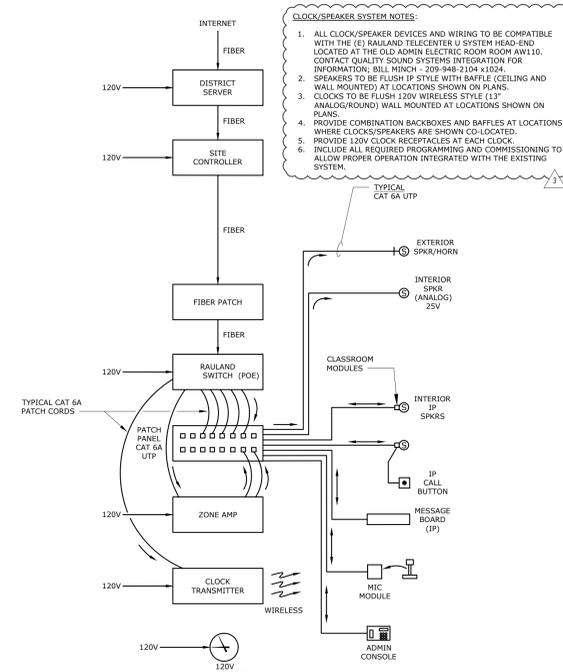
**EXTERIOR LIGHTING CONTROL DETAIL - BUILDING B**

SCALE: NONE  
FILE: E53



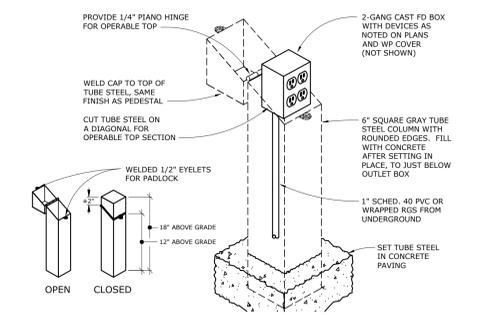
**EXTERIOR LIGHTING CONTROL DETAIL - BUILDING A-WING**

SCALE: NONE  
FILE: E53



**CLOCK SPEAKER CONNECTION DIAGRAM**

SCALE: NA  
FILE: E53



**EVENT POWER PEDESTAL**

SCALE: NONE  
FILE: L:\DETAILS\POWER\RECEPT\PRECE025

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**LIBERTY HIGH SCHOOL**

**ADMINISTRATION & STUDENT COMMONS**

850 2ND STREET,  
BRENTWOOD CA 94513

LIBERTY UNION HIGH SCHOOL DISTRICT

REVISIONS	
3	12/21/20 ADDENDUM 03

DSA APP NO. 01-119033  
ARCH PROJECT NO. 1783.00  
DRAWN BY: LN  
DRAWING SCALE: AS NOTED  
PTN: 61721-75 FILE NO: 7-H4

CD  
DECEMBER 2, 2020

SHEET TITLE  
ADDENDUM 03

DETAILS

SHEET NUMBER

**E-5.3**

PANEL C1. Main Brkr: MAIN LUG ONLY. Feeder: SEE SINGLE LINE. Conduit: SEE SINGLE LINE. Mounted: SURFACE. AIC Rating: 42 KAIC. Includes load description table and demand load summary.

PANEL A2 (SECTION 1 - RIGHT HAND SIDE). Main Brkr: MLO. Feeder: SEE SINGLE LINE. Conduit: SEE SINGLE LINE. Mounted: SURFACE. AIC Rating: 22K. Includes load description table and demand load summary.

PANEL A. Main Brkr: MAIN LUG ONLY. Feeder: SEE SINGLE LINE. Conduit: SEE SINGLE LINE. Mounted: SURFACE. AIC Rating: 22 KAIC. Includes load description table and demand load summary.

PANEL C2. Main Brkr: 225A MCB. Feeder: SEE SINGLE LINE. Conduit: SEE SINGLE LINE. Mounted: SURFACE. AIC Rating: 42K AIC. Includes load description table and demand load summary.

PANEL A2 (SECTION 2 - LEFT HAND SIDE). Main Brkr: SUB FED, FEED THRU LUGS. Feeder: SEE SINGLE LINE. Conduit: SURFACE. AIC Rating: 22K. Includes load description table and demand load summary.

PANEL A1 (SECTION 1 - RIGHT HAND SIDE). Main Brkr: MLO. Feeder: SEE SINGLE LINE. Conduit: SURFACE. AIC Rating: 22K. Includes load description table and demand load summary.

PANEL B2. Main Brkr: MAIN LUG ONLY. Feeder: SEE SINGLE LINE. Conduit: SEE SINGLE LINE. Mounted: SURFACE. AIC Rating: 22 KAIC. Includes load description table and demand load summary.

PANEL A1 (SECTION 2 - LEFT HAND SIDE). Main Brkr: SUB FED, FEED THRU LUGS. Feeder: SEE SINGLE LINE. Conduit: SURFACE. AIC Rating: 22K. Includes load description table and demand load summary.

PANEL A1 (SECTION 2 - LEFT HAND SIDE). Main Brkr: SUB FED, FEED THRU LUGS. Feeder: SEE SINGLE LINE. Conduit: SURFACE. AIC Rating: 22K. Includes load description table and demand load summary.



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LIBERTY UNION HIGH SCHOOL DISTRICT

REVISIONS table with columns for revision number, date, and description.

ARCH PROJECT NO: 1783.00. DRAWN BY: LN. DRAWING SCALE: AS NOTED. P/N: 61721-75. FILE NO: 7-44.

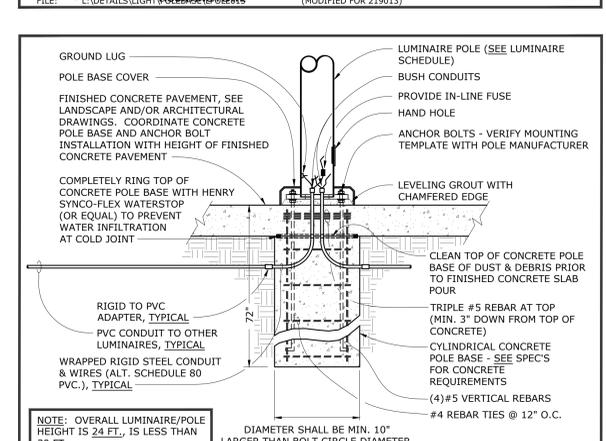
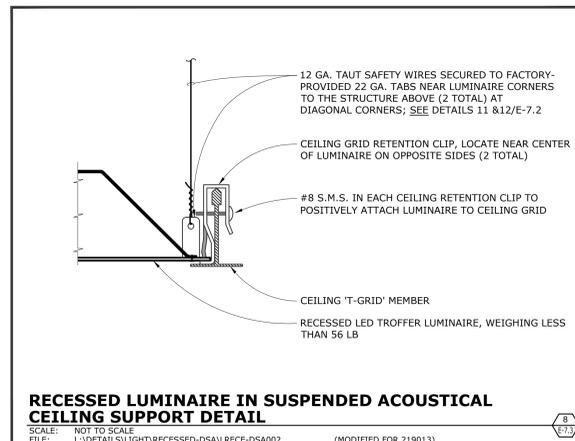
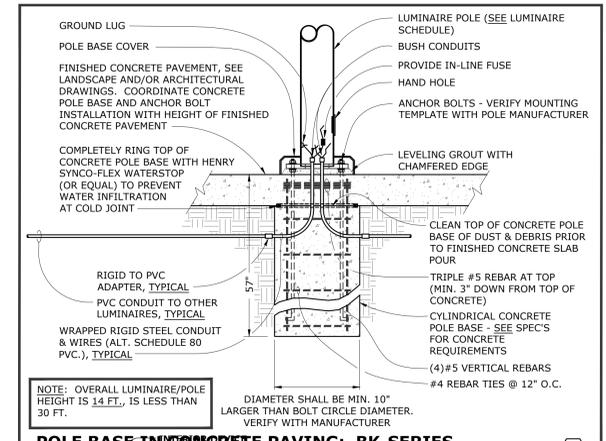
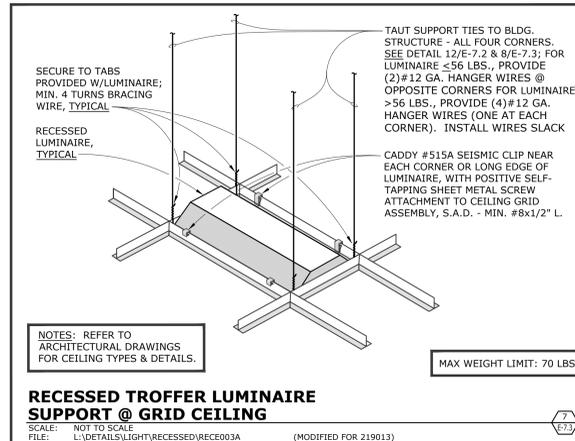
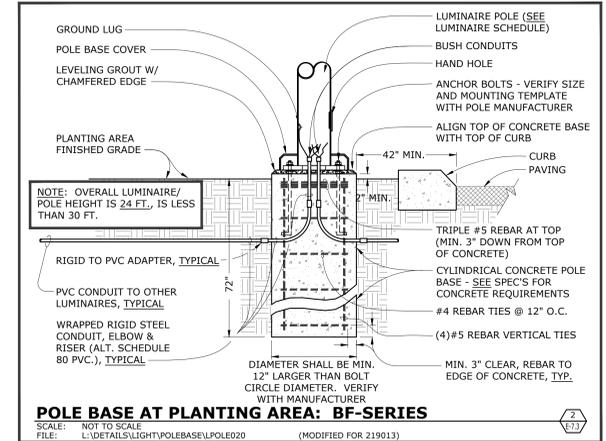
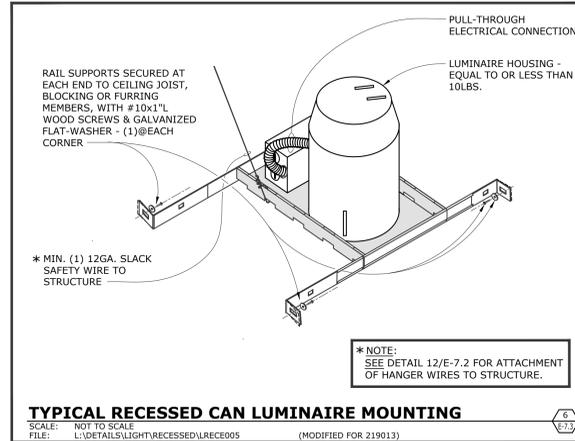
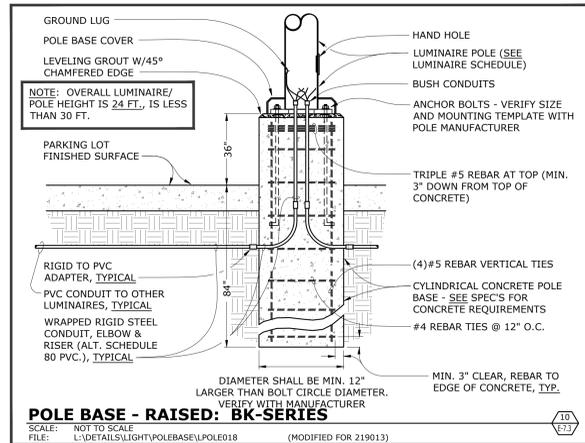
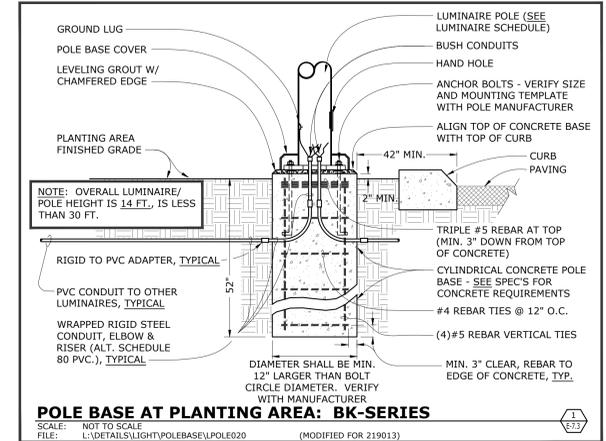
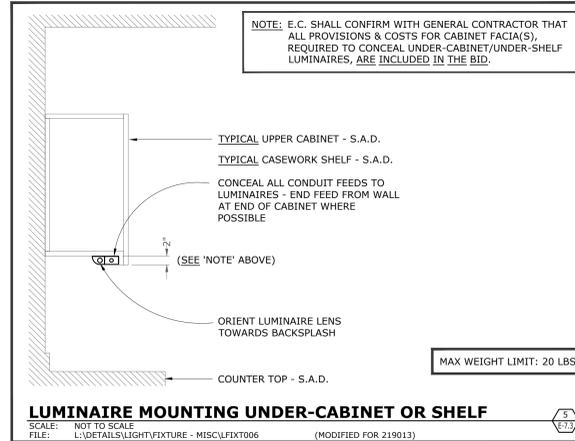
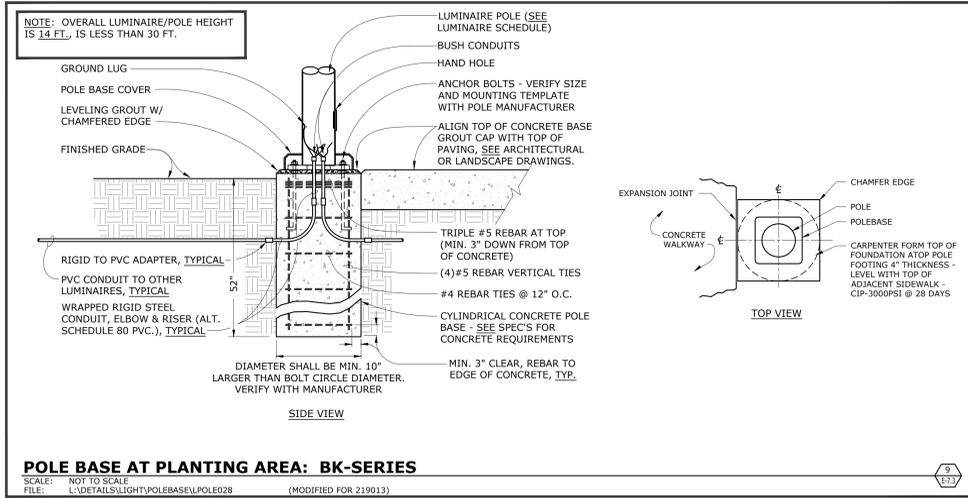
CD. DECEMBER 2, 2020. SHEET TITLE

ADDENDUM 03

PANEL SCHEDULES

SHEET NUMBER

E-6.1



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**REVISIONS**

3	12/21/20	ADDENDUM 03

DSA APP NO. 01-119033  
ARCH PROJECT NO. 1783.00  
DRAWN BY: LN  
DRAWING SCALE: AS NOTED  
PTN: 61721-75 FILE NO. 7-44

**ADDENDUM 03**

**DETAILS**

**E-7.3**

ADDENDUM 03

LIBERTY UNION HIGH SCHOOL DISTRICT  
 PREQUALIFIED CONTRACTORS AS OF DECEMBER 23, 2020  
 VALID THROUGH DECEMBER 31, 2021

\*This list is subject to change based on 11/20/20 applications that are still under review

<u>Contractor</u>	<u>Type of License</u>
3D Datacom	B, C7, C10
Airteks	C20
ALB	A, B
Alessandro Electric	C7, C10
Alten	A, B
American Air Conditioning, Plumbing, Heating	B, C4, C20, C36, C38, C43
American Plumbing	B, C4, C36
AMS Heating	C4, C20, C36, C43
Anaya Construction	B
Arntz	A, B
Asbestos Management Group (AMG)	A, B, C2, C21, C22
B&H Electric	C10
Bay Cities Fire Protection	B, C16
Bay City Mechanical	C4, C20, C36, C43
Beals Martin	A, B
Bel Aire Mechanical	B, C4, C10, C20, C36, C38
Bell Products	A, B, C4, C20, C36, C43
Best Contracting	A, B, C17, C39, C43
Bobo Construction	A, B, C8, C20, C36, C43
Bockmon & Woody Electric Co., Inc.	C10
Bothman	A, B, C8, C27
Bowen Engineering & Environmental	A, B, C10, C21, C22, C29, C33
Cal Pacific Systems	A, B, C4, C10, C20, C36
Charles Pankow Builders	B
Collins Electrical	A, B, C10, C31
Con J Franke	C10
Consolidated Engineering	A
CWS Construction Group	A, B
D.A. Bender	C36
DDK Mechanical	B, C20, C36, C43
DecoTech Systems	B, C7, C10
Del Monte	C10
Demolition Services and Grading	A, B, C12, C21
Diede	A, B, C8, C15, C27, C39, C61
Digital Networks Group	C7, C10
Dinelli	C36
Div 15 Tech, Inc.	B, C20
Diversified Power Corp	C10
DL Falk	B
Dowdle	A, B, C4, C20, C36
Du-Mor Fire Systems	C16
EF Brett	A, B
F & H	A, B
Fertado Heating	C20, C43

ContractorType of License

<u>Contractor</u>	<u>Type of License</u>
GCCI	B
GP Mechanical	C20, C43
Granite Rock Company	A, B
Hometown Construction	B, C20, C36
Kerex Engineering	A
KS Plumbing	C36
Lloyd F. McKinney	C7, C10
Marquee Fire Protection	C16, C41A
Matrix	B, C4, C10, C20, C36, C38, C43
McGuire & Hester	A, B, C21, C27, C31
McMillian Data Communications	C10
Meehlies	B
MK Pipelines, Inc.	A, B,
Pacific Coast General Engineering	A
Pacific Metro Electric	B, C10
Pacific Power & Systems	C7, C10
Paschke Electric	C10
PCD	C7, C10
Peterson Mechanical	B,C20,C16,C36,C38,C42,C43,C4, C34
Point One Electrical Systems	B, C7, C10
Presidential Fire Protection	C16
Prime Mechanical	B, C4, C20, C36, C38
Quality Sound	C7, C10
Red Top Electric	B, C7, C10
Rodan	A, B, C21
Saboo	A, B, C10, C20
Sausal Corp	B
Sebastian Corp.	A, B, C7, C10
Smith and Sons Electric	C10
Southern Bleacher	A
Sturdiesteel	A
SW Allen	A, B, C39, ASB
Teichert Construction	A, B, C10, C22, C27
Trahan Mechanical	C20, C43
Vanden Bos Electric	B, C7, C10
WA Thomas	A, B
Walker Telecomm	B ,C7, C10
W.C. Maloney	A, C21
Zapein Electric	C10, C38
Zovich & Sons	A, B, C8