



SPECIFICATIONS

SECTION 26050 - COMMON WORK RESULTS FOR ELECTRICAL
1.1 PERFORMANCE REQUIREMENTS
A. Seismic Performance: Electrical equipment shall withstand the effects of earthquake motions determined according to SEIASCSE 7.

SECTION 26051 - LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES
1.1 CONDUCTORS AND CABLES
A. Conductor Insulation: Comply with NEMA WC 70/CSEA S-95-658 for Type THHN-2-THWN-2 or Type XHHW-2.

SECTION 26052 - GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
1.1 CONDUCTORS
A. Insulated Conductors: Copper wire or cable insulated for 600 V unless otherwise required by applicable Code or authorities having jurisdiction.

SECTION 26052.9 - HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
1.1 PERFORMANCE REQUIREMENTS
A. Design equipment supports capable of supporting combined operating weight of supported equipment and connected systems and components.

C. Conduit and Cable Support Devices: Steel and malleable-iron hangers, clamps, and associated fittings, designed for types and sizes of raceway or cable to be supported.
D. Structural Steel for Fabricated Supports and Restraints: ASTM A 36/A 36M, steel plates, shapes, and bars; black and galvanized.
E. Mounting, Anchoring, and Attachment Components: Items for fastening electrical items or their supports to building surfaces include the following:

SECTION 26053 - RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS
1.1 METAL CONDUITS, TUBING, AND FITTINGS
A. Listing and Labeling: Metal conduits, tubing, and fittings shall be listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

SECTION 26054 - PANELBOARDS
1.1 ACTION SUBMITTALS
A. Product Data: For each type of product indicated.
B. Shop Drawings: For each panelboard and related equipment.

SECTION 26055 IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 INSTALLATION
A. Location: Install identification materials and devices at locations for most convenient viewing without interference with operation and maintenance of equipment.

SECTION 26056 - LIGHTING CONTROL DEVICES
1.1 SUBMITTALS
A. Product Data: For each type of product.
B. Operation and maintenance data.

SECTION 26213 - LOW-VOLTAGE DISTRIBUTION TRANSFORMERS
1.1 SUBMITTALS
A. Product Data: For each type of product indicated.
B. Shop Drawings: For each transformer and related equipment.

SECTION 26214 - 6 - PANELBOARDS
1.1 ACTION SUBMITTALS
A. Product Data: For each type of product indicated.
B. Shop Drawings: For each panelboard and related equipment.

SECTION 26241 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26246 - LIGHTING CONTROL DEVICES
1.1 SUBMITTALS
A. Product Data: For each type of product.
B. Operation and maintenance data.

SECTION 26253 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

SECTION 26253.9 - IDENTIFICATION FOR ELECTRICAL SYSTEMS
1.1 IDENTIFICATION SCHEDULE
A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor type to identify the phase.

CENTER STREET ARCHITECTS
170 E. CENTER STREET
LOGAN, UTAH 84321
CENTERSTREETARCH.COM

SINE SOURCE ENGINEERING
95 West Golf Course Road
Suite 102
Logan, UT 84321
office: (435) 707-1445
fax: 1-877-207-3199
www.sinesource.net

Table with 4 columns: TITLE, PROJECT, CLIENT, ADDRESS. Rows include LOGAN HIGH SCHOOL, SOFTBALL PRESS BOX, LOGAN CITY SCHOOL DISTRICT, 162 WEST 100 SOUTH, LOGAN, UTAH 84321.

Table with 3 columns: NO., DATE, DESCRIPTION. Rows for REVISIONS.

DATE: 12.04.24
JOB NO.: SSE# - 2024069
SCALE: AS NOTED
DRAWING: -
SHEET E002

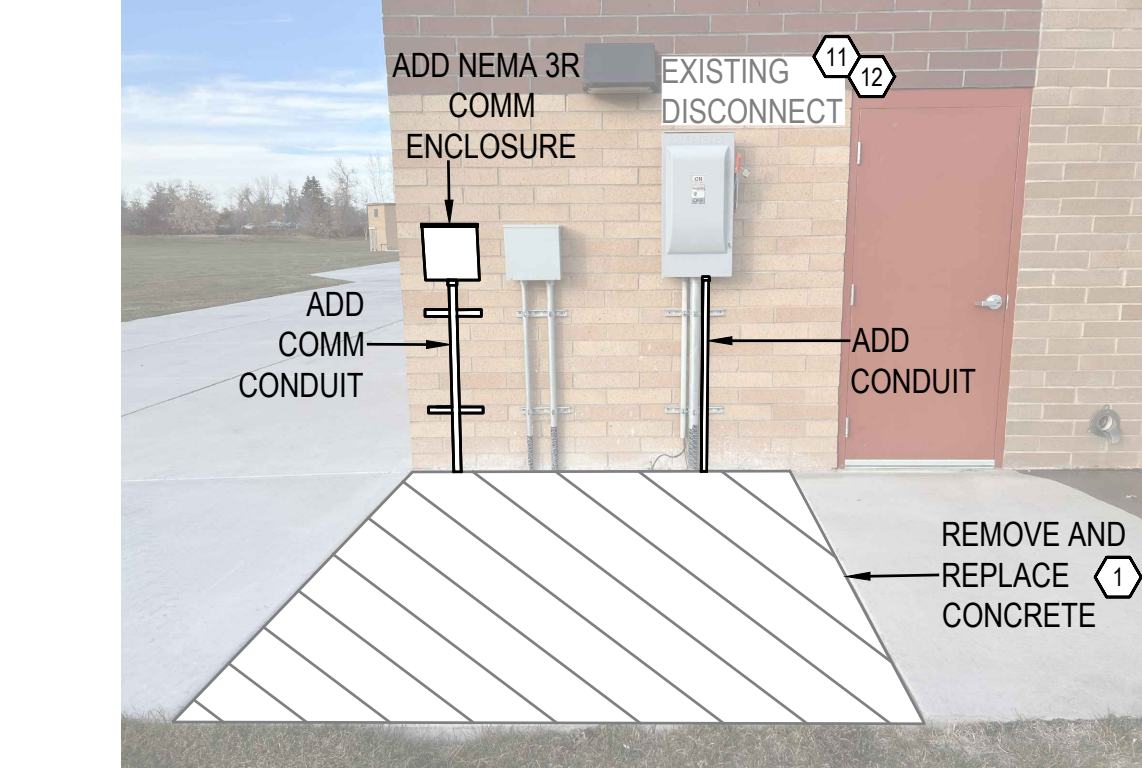
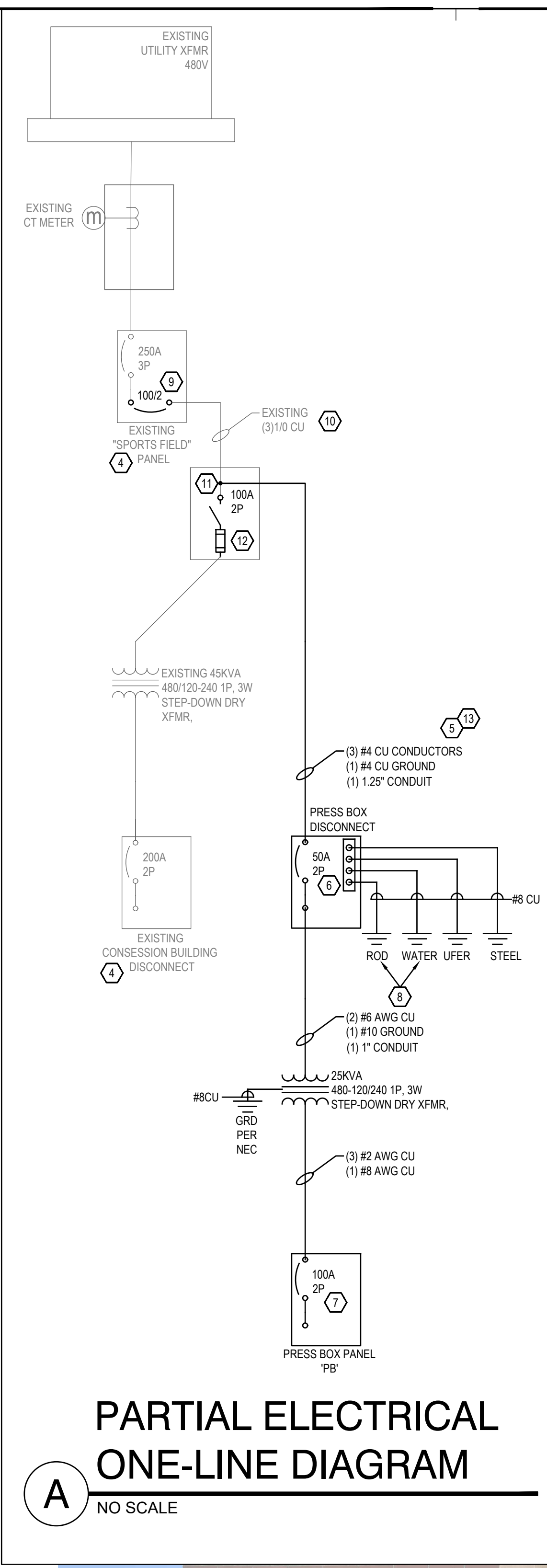
ALL DRAWINGS, SPECIFICATIONS, DESIGNS, AND IDEAS REPRESENTED HEREIN ARE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. NO PART THEREOF SHALL BE COPIED, REPRODUCED, OR DISCLOSED TO OTHERS OR USED IN CONJUNCTION WITH ANY OTHER PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER. WRITTEN DIMENSIONS OF THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THEIR DRAWINGS. "COPYRIGHT © 2018 CENTER STREET ARCHITECTS P.L.L.C."



LAST SAVE: 12/04/24 11:08:53 AM LOGAN HIGH SOFTBALL PRESSBOX01 ELECTRICAL SITE PLAN.DWG  
LAST SAVED: 04 Dec 24



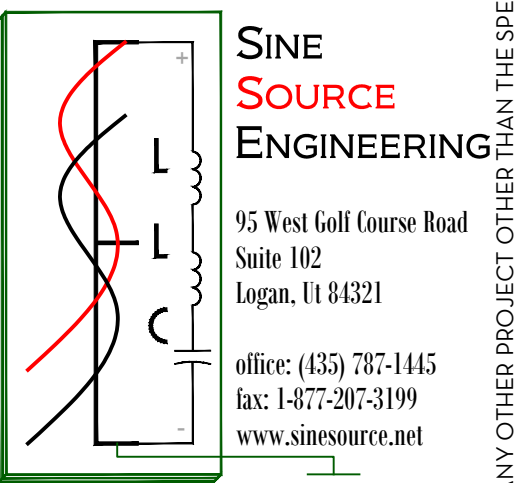
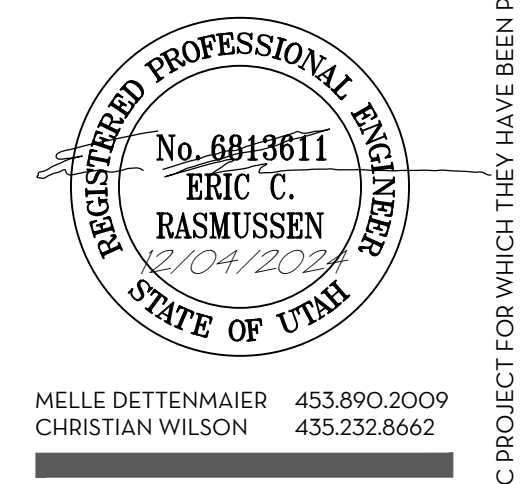
**1 ELECTRICAL SITE PLAN**  
Scale: 1"=32'-0"



**B CONCESSION BLDG DISCONNECT**  
N.T.S.

- SHEET KEYED NOTES**
- CUT, PATCH AND REPAIR EXISTING HARDSCAPE FOR NEW CONDUIT INSTALLATION.
  - BORE UNDER EXISTING FIELD FOR NEW CONDUIT INSTALLATION.
  - PROVIDE IN-GRADE J-BOX FOR POWER AND COMMUNICATIONS.
  - EXISTING PANEL TO REMAIN.
  - PROVIDE UNDERGROUND FEEDER COMPLETE FROM EXISTING DISCONNECT SERVING CONCESSION STAND TO NEW DISCONNECT ON PRESS BOX.
  - PROVIDE GROUNDING AND BONDING PER NEC 250.32(B)(1) FOR SEPARATE STRUCTURES. DO NOT BOND NEUTRAL AND GROUND AT THIS LOCATION.
  - LOCATE DISCONNECT WITHIN 10' OF TRANSFORMER WHERE PANELS CANNOT BE LOCATED IN COMPLIANCE WITH NEC 240.21(B)(3) AND 240.21(C)(3).
  - PROVIDE WATER & GROUND ROD GROUNDING ELECTRODE CONNECTIONS WHEN METALLIC WATERLINE ENTERS BUILDING, OTHERWISE OMIT.
  - REPLACE EXISTING BREAKER WITH NEW.
  - VERIFY EXISTING WIRING. NOTIFY ELECTRICAL ENGINEER OF DISCREPANCY.
  - PROVIDE FEEDER TAP WITH UL LISTED INSULATED MULTI-TAP CONNECTOR (POLARIS LUGS OR EQUIVALENT).
  - REPLACE EXISTING FUSE WITH NEW.
  - TAPPED CONDUCTORS SHALL COMPLY WITH NEC 240.21(B)(5) FOR OUTSIDE TAPS OF UNLIMITED LENGTHS.

- GENERAL SHEET NOTES**
- EXISTING ITEMS TO BE REMOVED ARE INDICATED AS BOLD/DASHED. ITEMS TO REMAIN ARE SHOWN AS LIGHT/SOLID.
  - CIRCUIT ROUTING IS SCHEMATIC UNLESS OTHERWISE NOTED.



TITLE	ELECTRICAL SITE PLAN
PROJECT	LOGAN HIGH SCHOOL, SOFTBALL PRESS BOX
CLIENT	LOGAN CITY SCHOOL DISTRICT
ADDRESS	162 WEST 100 SOUTH, LOGAN, UTAH 84321

**REVISIONS**

NO.	DATE	DESCRIPTION

DATE: 12.04.24  
JOB NO: SSE# - 2024069  
SCALE: AS NOTED  
DRAWN: -

SHEET  
**ES101**

ALL DRAWINGS, SPECIFICATIONS, DESIGNS AND IDEAS REPRESENTED HEREIN ARE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. NO PART THEREOF SHALL BE COPIED AND/OR DISCLOSED TO OTHERS OR USED IN CONNECTION WITH ANY OTHER PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER. WRITTEN DIMENSIONS OF THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. NOTIFY DESIGNER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THEIR DRAWINGS. COPYRIGHT 2018 CENTER STREET ARCHITECTS P.L.L.C.



CENTER STREET ARCHITECTS

170 E. CENTER STREET  
LOGAN, UTAH 84321  
CENTERSTREETARCH.COM



MELLE DETTENMAIER 453.890.2009  
CHRISTIAN WILSON 435.232.8662

**SINE SOURCE ENGINEERING**

95 West Golf Course Road  
Suite 102  
Logan, UT 84321

office: (435) 787-1145  
fax: 1-877-207-3199  
www.sinesource.net

**SHEET KEYED NOTES**

1. PROVIDE COLD-WEATHER EM BATTERY BACKUP FOR FIXTURES NOTED. CONNECT BATTERY TO UNSWITCHED CIRCUIT CONDUCTOR OF CIRCUIT SERVING FIXTURE. CONNECT FIXTURE TO OPERATE WITH SWITCH(S) IN NORMAL MODE.
2. PROVIDE ELECTRIC HEATER. LOCATE HEATER TO COMPLY WITH MANUFACTURER'S CLEARANCE REQUIREMENTS.
3. OUTLETS MOUNTED IN MILLWORK. COORDINATE WITH CABINET SUPPLIER.
4. PAINT DISCONNECT TO MATCH EXTERIOR BUILDING COLORS.
5. FIELD VERIFY RACK EQUIPMENT LOCATION WITH OWNER'S IT DEPARTMENT. PROVIDE RECESSED GUTTER (20"W X 8"H X 6"D BEHIND RACK FOR LOW VOLTAGE CONDUIT.
6. PROVIDE LOCKABLE WP-IN-USE, METALLIC BOX (TAYMAC MX3200 OR EQUIVALENT).
7. PROVIDE J-BOX AND 3/4" CONDUIT TO AUDIO RACK FOR MICROPHONE. WIRE BY OTHERS.
8. PROVIDE J-BOX FOR WALL MOUNTED SPEAKER 1' BELOW EYES WITH 3/4" CONDUIT TO COMM RACK.
9. PROVIDE CEILING MOUNTED BOX FOR WIRELESS ACCESS POINT WITH 3/4" CONDUIT TO COMM RACK.
10. PROVIDE J-BOX FOR CAMERA. FIELD VERIFY LOCATION WITH OWNER'S SECURITY REP. PROVIDE 3/4" CONDUIT FROM JUNCTION BOX TO COMM RACK.
11. PROVIDE POWER TO RACK. FIELD VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.
12. EXTEND UNSWITCHED CIRCUIT CONDUCTOR TO FIXTURES WITH INTERNAL LIGHTING CONTROL.
13. PROVIDE SWITCH AND EXTERIOR PHOTOCELL FOR EXTERIOR RECESS CANS LIGHTING CONTROL.

**GENERAL SHEET NOTES**

1. CONTRACTOR TO FURNISH OCCUPANCY SENSORS WITH COVERAGE PATTERNS APPROPRIATE FOR THEIR INSTALLED LOCATIONS. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO BID.
2. CONNECT OCCUPANCY SENSORS TO ENABLE ALL SWITCHES IN CONTROLLED SPACE.
3. CONNECT OCCUPANCY SENSORS, BATTERY BALLASTS, EXIT SIGNS, ETC. TO UNSWITCHED SOURCE CONDUCTOR.
4. ALL EMERGENCY LIGHTING BATTERIES SHALL PROVIDE A MINIMUM OF 90 MINUTES ILLUMINATION PER NEC 700.12(A) AND IBC 1006. SEE SPEC SECTION 265100 FOR ADDITIONAL REQUIREMENTS.
5. COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH-IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONAL INFORMATION.
6. PROVIDE 4SD J-BOX WITH 1 GANG MUD RING AND 1" CONDUIT TO ACCESSIBLE CEILING SPACE FOR ALL VOICE/DATA/COMBO OUTLETS SHOWN ON FLOOR PLANS. PROVIDE INSULATED THROAT CONNECTORS ON BOTH ENDS OF CONDUIT. COMMUNICATIONS CABLING PROVIDED BY OWNER.
7. SEE SYMBOL SCHEDULE AND COMMUNICATIONS RISER DIAGRAM FOR COMMUNICATIONS CABLING AND ROUGH-IN REQUIREMENTS.

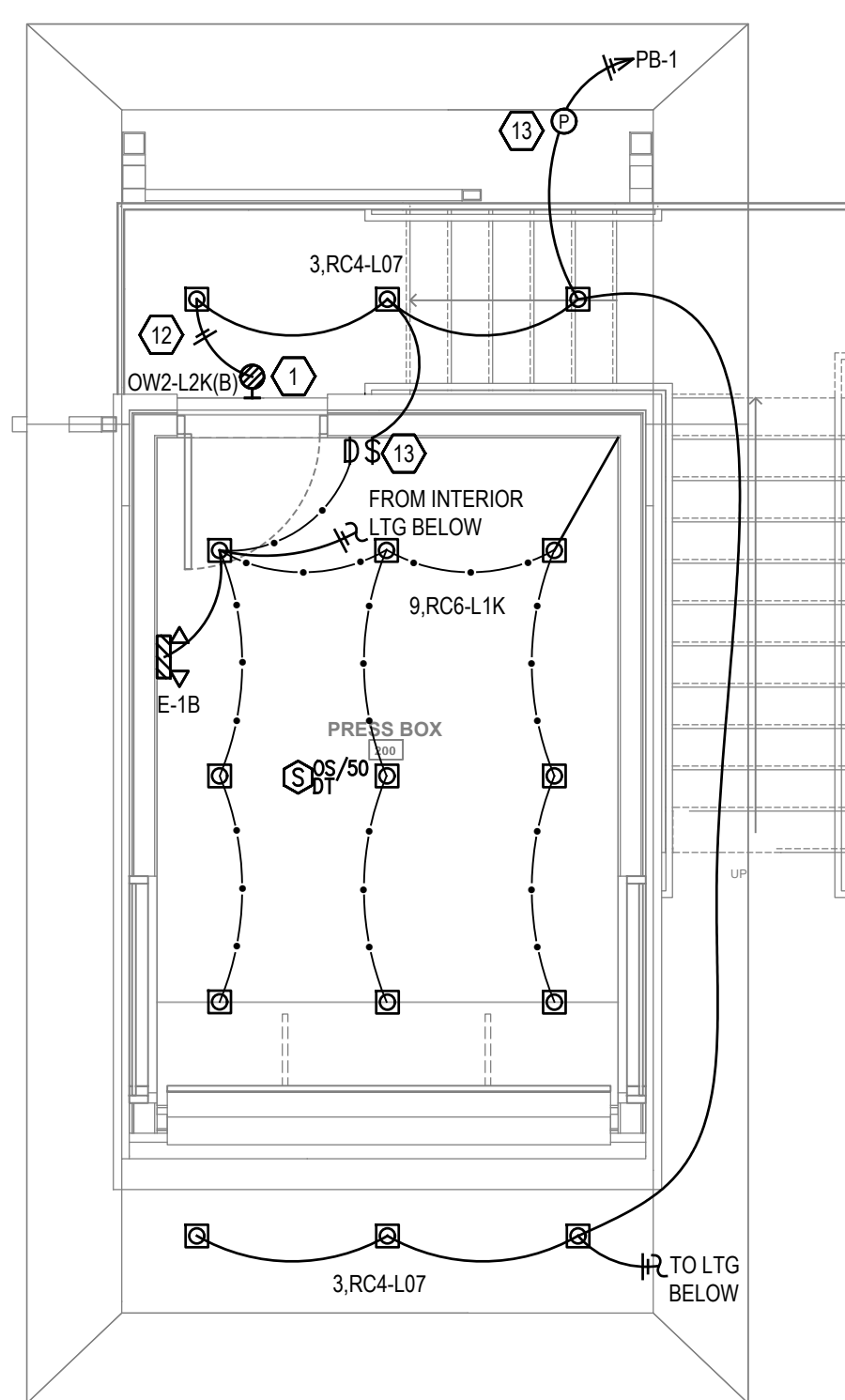
TITLE	ELECTRICAL PLANS
PROJECT	LOGAN HIGH SCHOOL, SOFTBALL PRESS BOX
CLIENT	LOGAN CITY SCHOOL DISTRICT
ADDRESS	162 WEST 100 SOUTH, LOGAN, UTAH 84321

REVISIONS		
NO.	DATE	DESCRIPTION

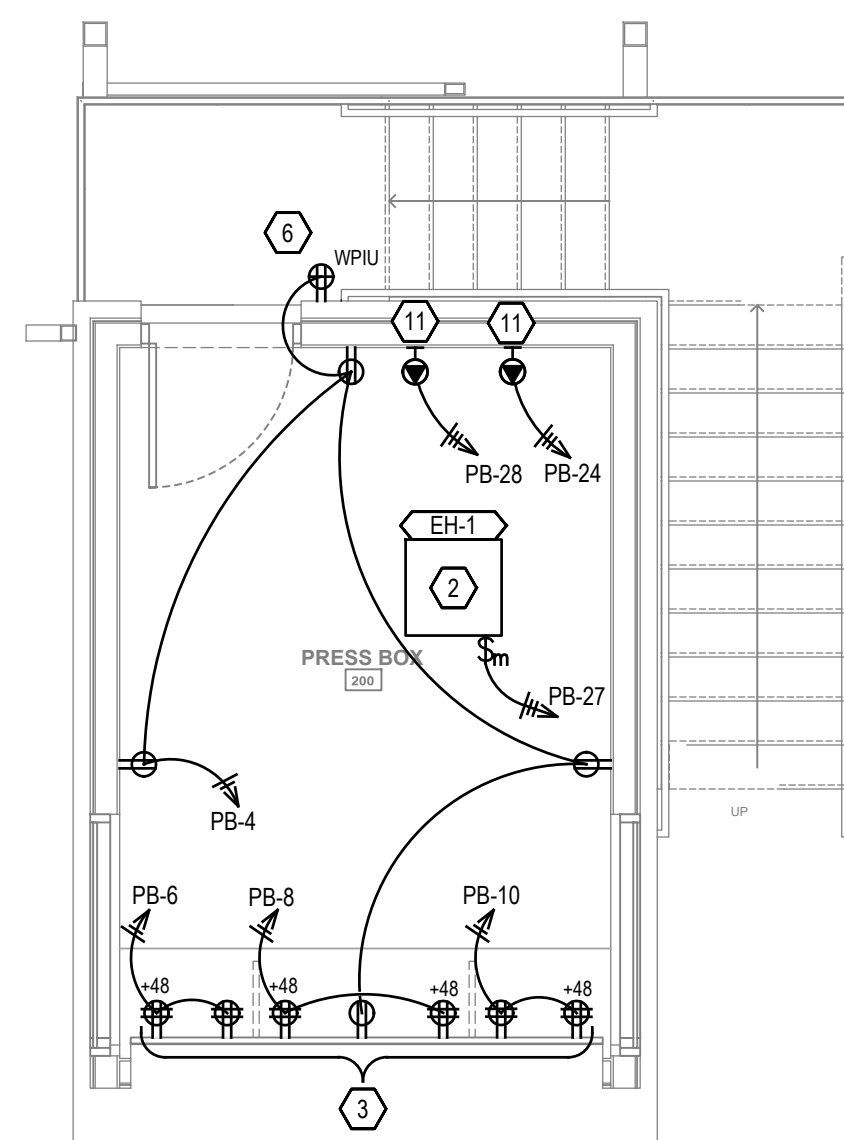
DATE: 12.04.24  
 JOB NO: SSE# - 2024069  
 SCALE: AS NOTED  
 DRAWN:

SHEET  
**E101**

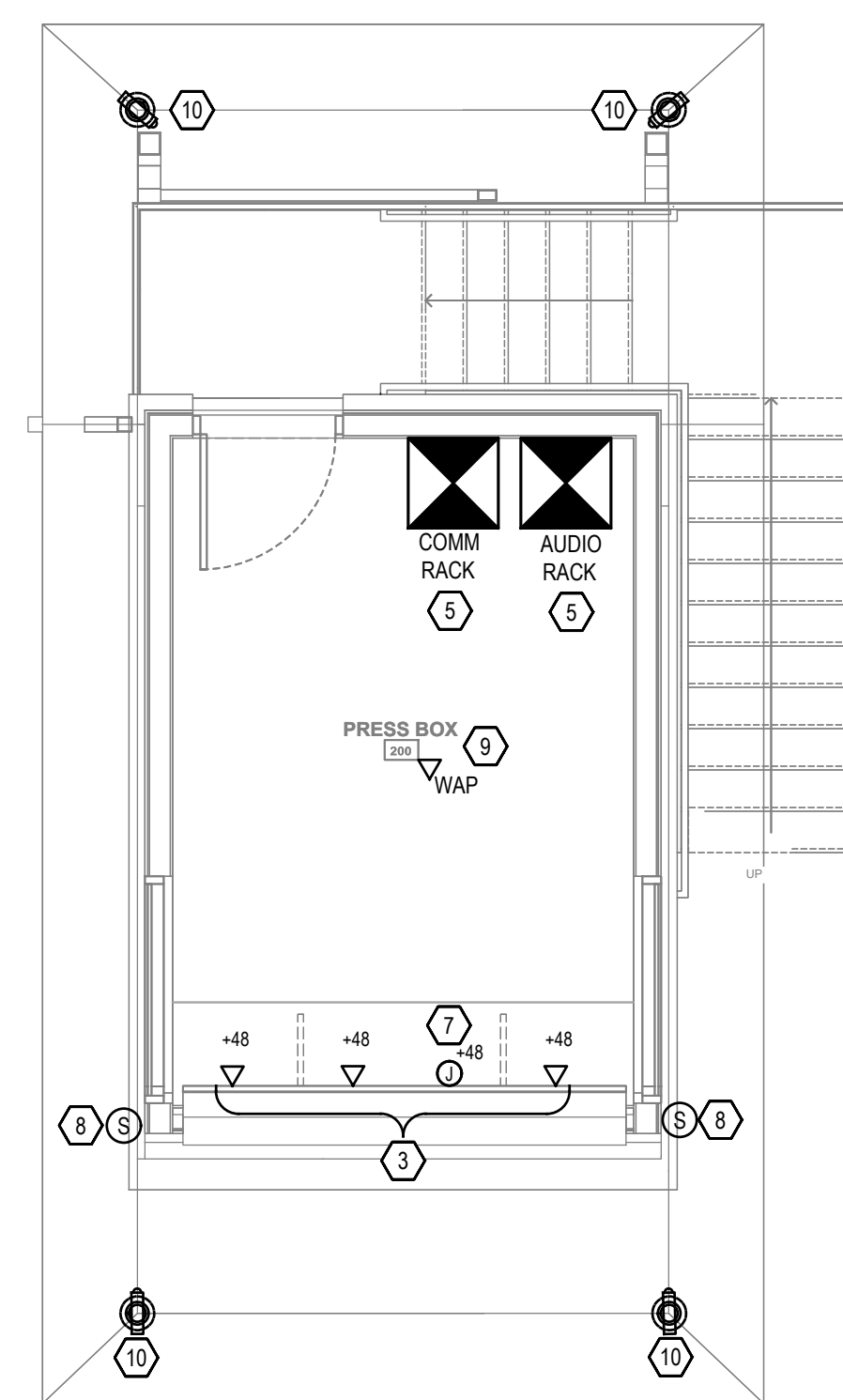
ALL DRAWINGS, SPECIFICATIONS, DESIGNS AND IDEAS REPRESENTED HEREIN ARE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. NO PART THEREOF SHALL BE COPIED AND/OR DISCLOSED TO OTHERS OR USED IN CONJUNCTION WITH ANY OTHER PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER. WRITTEN DIMENSIONS OF THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. NOTIFY DESIGNER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THEIR DRAWINGS. COPYRIGHT 2018 CENTER STREET ARCHITECTS P.L.L.C.



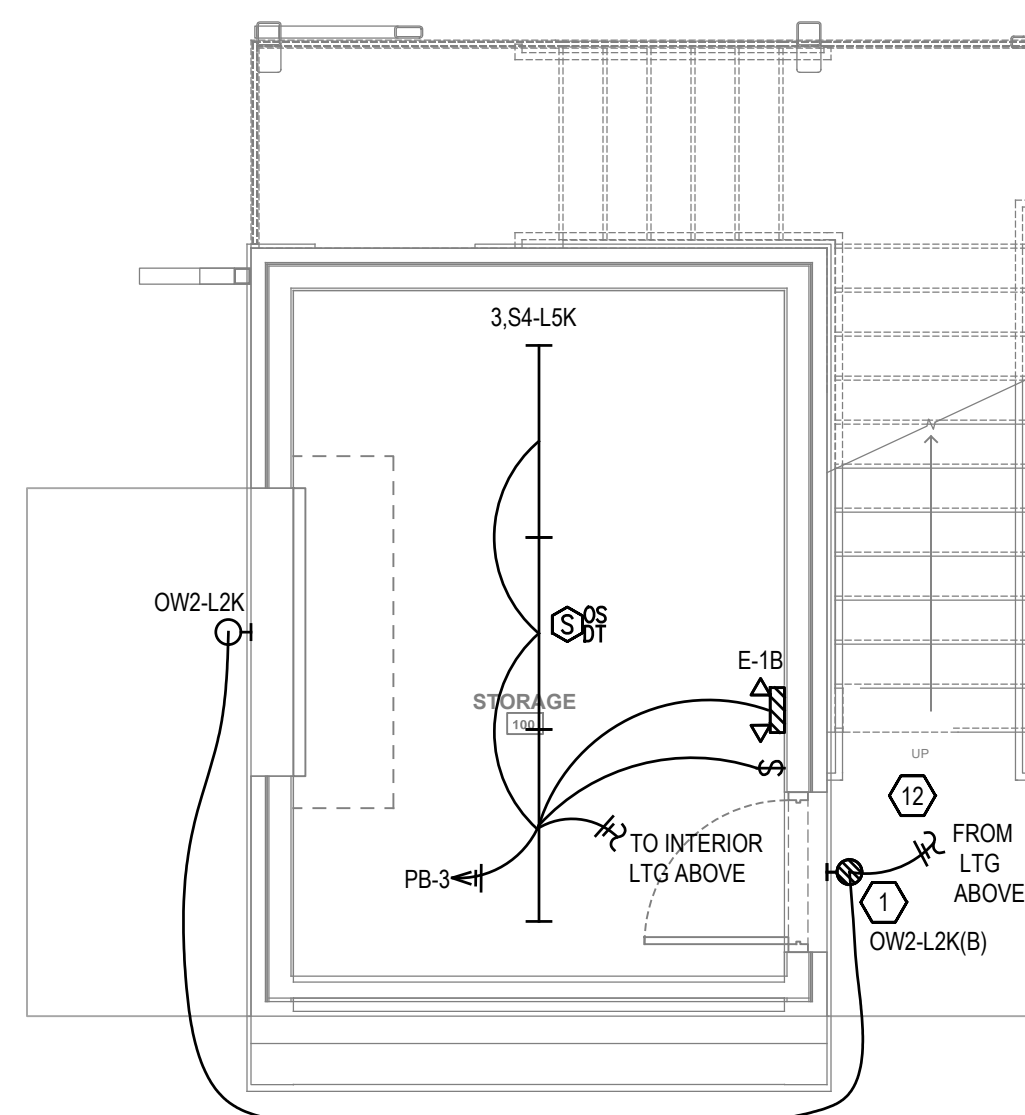
**C1 LIGHTING PLAN:UPPER LEVEL**  
 Scale: 1/4"=1'-0"



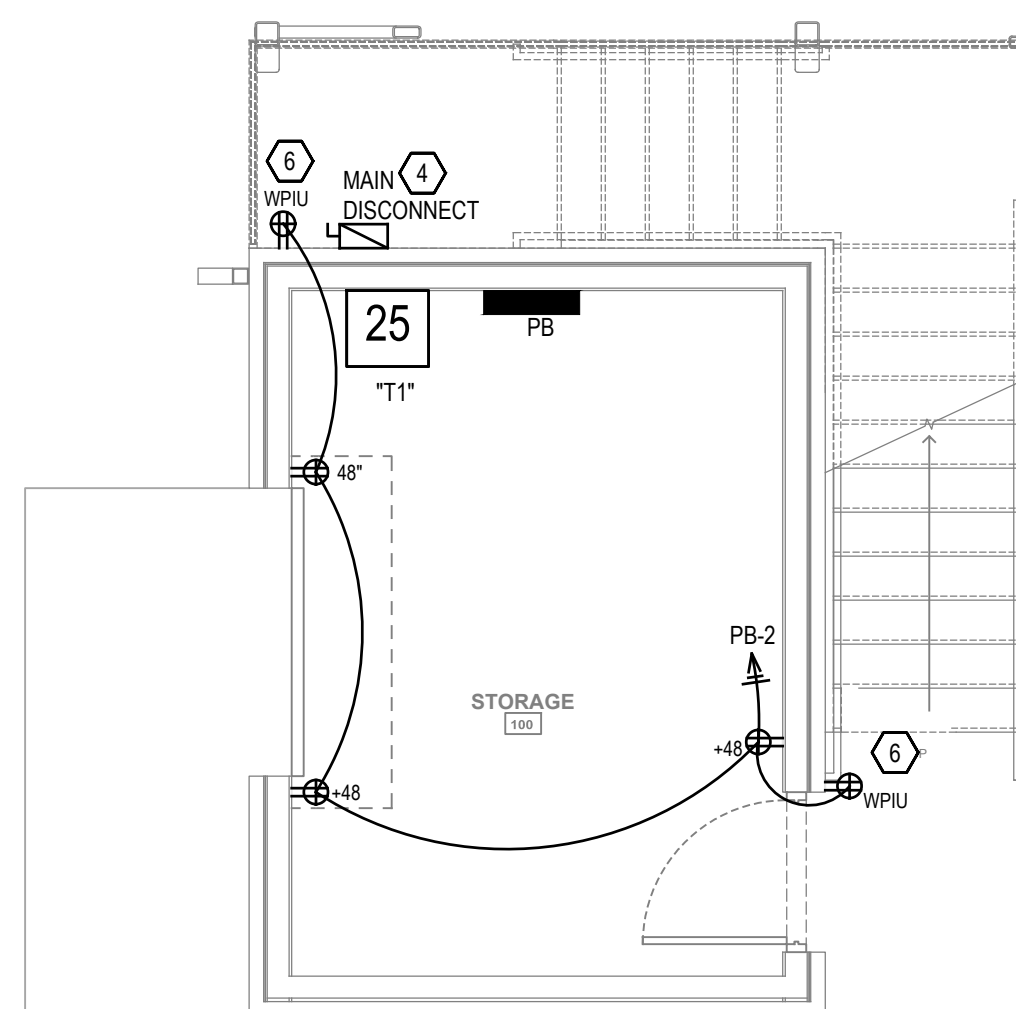
**C2 POWER PLAN:UPPER LEVEL**  
 Scale: 1/4"=1'-0"



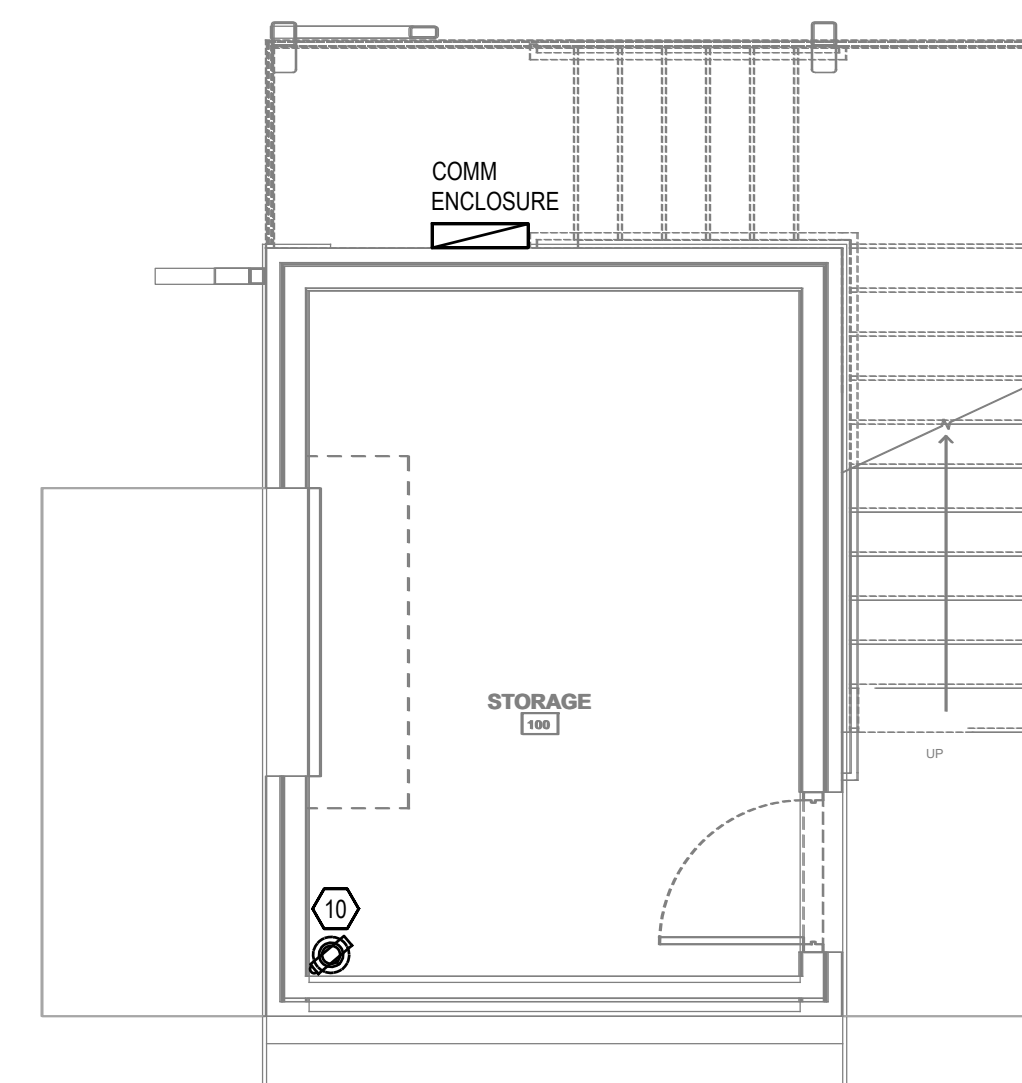
**C4 ELECTRONIC SYSTEMS PLAN:UPPER LEVEL**  
 Scale: 1/4"=1'-0"



**A1 LIGHTING PLAN:LOWER LEVEL**  
 Scale: 1/4"=1'-0"



**A2 POWER PLAN:LOWER LEVEL**  
 Scale: 1/4"=1'-0"



**A4 ELECTRONIC SYSTEMS PLAN:LOWER LEVEL**  
 Scale: 1/4"=1'-0"

LAST SAVE 12/04/2024 11:08:55 2024069.LOGAN HIGH SOFTBALL PRESSBOX01.DRAWINGS05 ELECTRICAL/SINE SOURCE PROJECTS/SHEETS/011 ELECTRICAL PLANS.DWG  
 LAST SAVED: 04 Dec 24

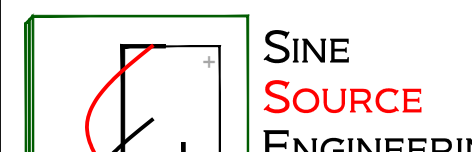


CENTER STREET ARCHITECTS

170 E. CENTER STREET  
LOGAN, UTAH 84321  
CENTERSTREETARCH.COM



MELLE DETTENMAIER 453.890.2009  
CHRISTIAN WILSON 435.232.8662



95 West Golf Course Road  
Suite 102  
Logan, UT 84321

office: (435) 787-1145  
fax: 1-877-207-3199  
www.sinesource.net

ELECTRICAL DETAILS & SCHEDULES

LOGAN HIGH SCHOOL, SOFTBALL PRESS BOX

LOGAN CITY SCHOOL DISTRICT

162 WEST 100 SOUTH, LOGAN, UTAH 84321

TITLE

PROJECT

CLIENT

ADDRESS

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 12.04.24  
JOB NO: SSE# - 2024069  
SCALE: AS NOTED  
DRAWN:

SHEET  
**E501**

ALL DRAWINGS, SPECIFICATIONS, DESIGNS AND IDEAS REPRESENTED HEREIN ARE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. NO PART THEREOF SHALL BE COPIED AND/OR DISCLOSED TO OTHERS OR USED IN CONJUNCTION WITH ANY OTHER PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER. WRITTEN DIMENSIONS OF THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. NOTIFY DESIGNER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THEIR DRAWINGS. COPYRIGHT 2018 CENTER STREET ARCHITECTS P.L.L.C.

PANEL	PB	TYPE	NOOB	1	Ø	3	WIRE	120/240	VOLTS	LOCATION	MOUNTING

No.	BRKR	CIRCUIT DESCRIPTION	L	O	M	PH	N	G	C	CIRC. LOAD	A	B	CIRC. LOAD	PH	N	G	C	L	O	M	CIRCUIT DESCRIPTION	BRKR	No.	
1	20	1	EXTERIOR LIGHTING	14			12S	12S	12S	3/4S	220	1120	900	12S	12S	12S	3/4S	5			PLUGS: LOWER LEVEL	20	1	2
3	20	1	INTERIOR LIGHTING	17			12S	12S	12S	3/4S	340	1060	720	12S	12S	12S	3/4S	4			PLUGS: UPPER LEVEL	20	1	4
5	20	1	SPARE									720	720	12S	12S	12S	3/4S	4			PLUGS: COUNTER	20	1	6
7	20	1	SPARE									720	720	12S	12S	12S	3/4S	4			PLUGS: COUNTER	20	1	8
9	20	1	SPARE									720	720	12S	12S	12S	3/4S	4			PLUGS: COUNTER	20	1	10
11	20	1	SPARE									0	0								SPARE	20	1	12
13	20	1	SPARE									0	0								SPARE	20	1	14
15	20	1	SPARE									0	0								SPARE	20	1	16
17	20	1	SPARE									0	0								SPARE	20	1	18
19	20	1	SPARE									0	0								SPARE	20	1	20
21	20	1	SPARE									0	0								SPARE	20	1	22
23	20	1	SPARE									1200	1200	10	10	10	3/4				AUDIO RACK	30	2	24
25	20	1	SPARE									1200	1200	10							-	-	-	26
27	25	2	HEATER EH-1				10	10	10	3/4	2000	3200	1200	10	10	10	3/4				COMM RACK	30	2	28
29	-	-	-				10				2000	3200	1200	10							-	-	-	30
TOTALS											6960	6180												

FEEDER	SEE ONE-LINE	AMPS/PHASE	58	52	AIC	10000	SCCR	10000	PARALLEL RUNS	SEE ONE-LINE
--------	--------------	------------	----	----	-----	-------	------	-------	---------------	--------------

**BREAKER CODES**  
A=ARC-FAULT; G=GROUND FAULT; H=HACR; L=LOCKING HANDLE; S=SHUNT TRIP; R=RED PAINTED HANDLE

**WIRE CODES**  
I=ADD'L ISO GROUND TO MATCH SAFETY GROUND; S=UNLESS OTHERWISE SPECIFIED

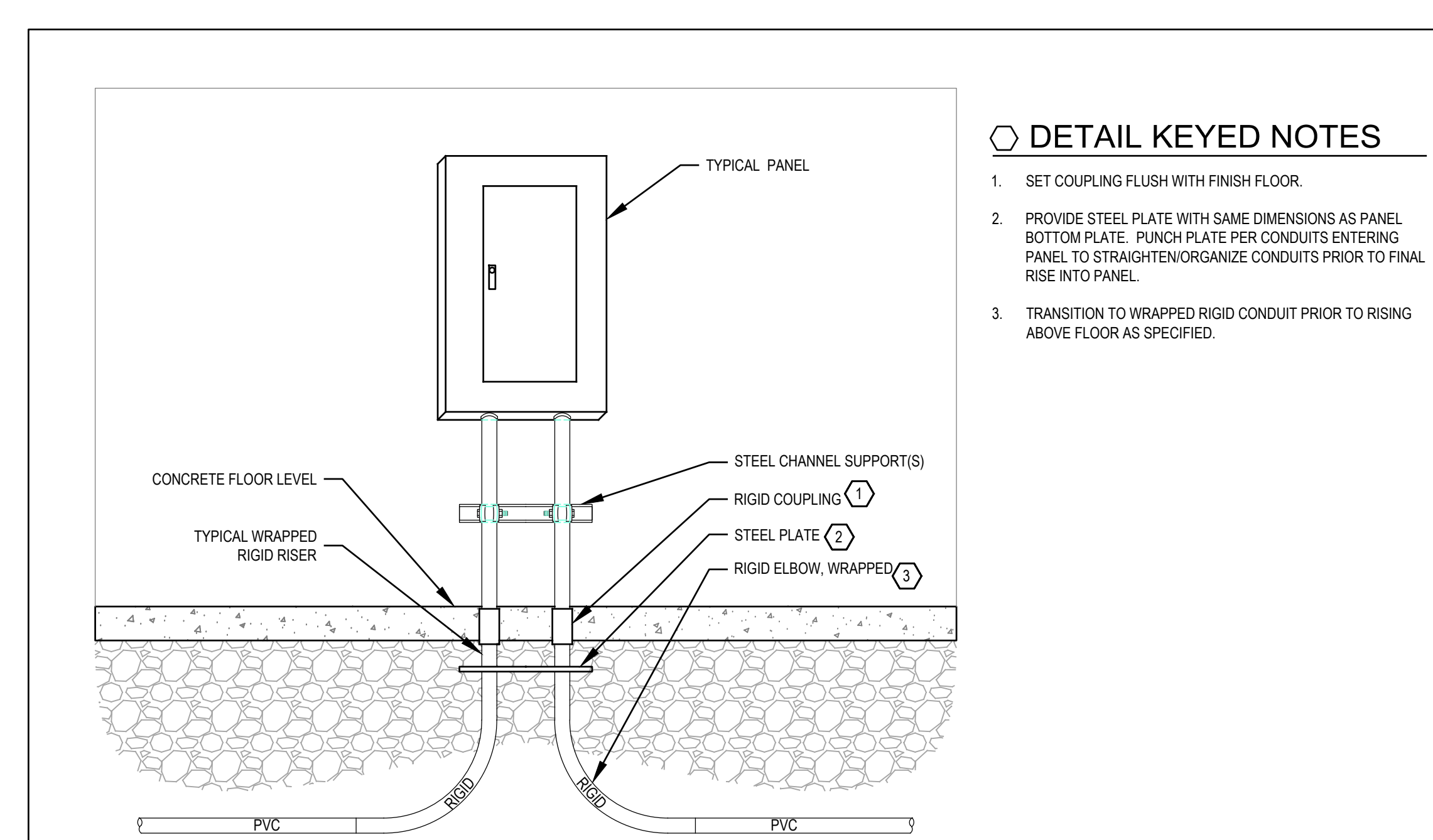
**GENERAL CODES**  
1LIN=SEE ONE-LINE DIAGRAM; AS=AS SPECIFIED

SYM	DESCRIPTION	LOAD	VOLTS	PHASE	EQUIPMENT CALLOUT	CONTROL CIRCUITS BY	STARTER BY	SAFETY DISCONNECT BY	REMARKS
EH-1	ELECTRIC HEATER-SURFACE CEILING MOUNTED	4 KW	240	1 PHASE	OMARK CDF-542-SE-T-DS-TK OR EQUIVALENT	ELEC	EQUIP	ELEC	PROVIDE ELECTRIC HEATER WITH INTEGRAL THERMOSTAT, DISCONNECT, SURFACE MOUNT KIT, AND TRIM RING

\* ELECTRICAL CONTRACTOR VERIFY SINGLE SPEED OR TWO SPEED STARTERS WITH MECHANICAL DRAWINGS.

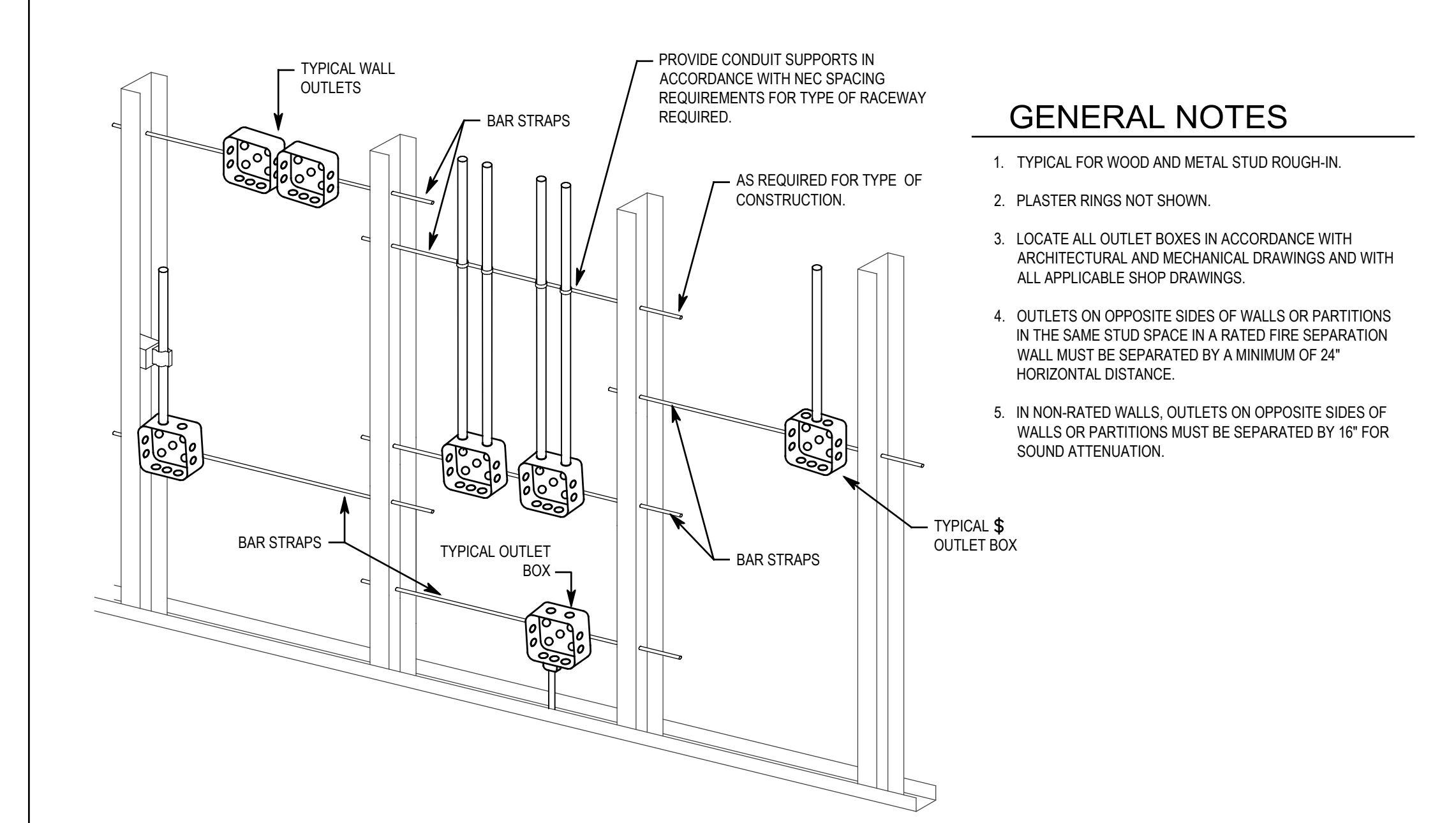
TYPE	MANUFACTURER/CATALOG NO.	DESCRIPTION	MOUNTING	POWER	LAMPS
E-1B	LITHONIA ELM2LF-SCBO-SDRT OR EQUIVALENT	LED EMERGENCY LIGHT HOUSING COLOR BY OWNER, NICKEL CADMIUM BATTERY SELF DIAGNOSTICS	WALL	2.5W	LED
OW2- L2K OW2- L2K(B)	LITHONIA WDG2E LED-P2-35K-70CRI-T2M-MVOLT-PIR1FC3V-SCBO-(EM: E20WC) OR EQUIVALENT WITH PRIOR APPROVAL	EXTERIOR WALL TRAPEZOID AREA LIGHT; LED LAMPING; TYPE 2 OPTICAL DISTRIBUTION MULTI-VOLT, DIMMABLE DRIVER; SCBO=STANDARD COLOR BY OWNER INTEGRAL BI-LEVEL MOTION SENSOR WITH PHOTOCELL ENABLED FOR DUSK TO DAWN OPERATION MOTION=100%; AFTER 15 MIN NO MOTION=20% EM COLD WEATHER BATTERY PACK WHERE INDICATED ON DRAWING BY FIXTURE APPEND (B)	WALL CENTERED OVER DOOR	19 W	2087 LUMEN NOMINAL LED 3500K
RC4- L07	JUNO-WF4-SWW5-MVOLT-90CRI-SCBA-WF4 PAN R12-CABLES OR EQUIVALENT	COVERED EXTERIOR CANLESS LED 4" ROUND FIXTURE SCBA=COLOR BY ARCHITECT BASED ON OPTIONS FOR MATTE WHITE, MATTE BLACK, OR BRONZE NEW CONSTRUCTION PAN AND CABLES	RECESS	9 W	700 LUMEN NOMINAL LED 3500K
RC6- L1K	LITHONIA LDN6-AL1-SWW1-L06-AR-LD-MVOLT-UGZ1- OR EQUIVALENT	LED 6" ROUND FIXTURE; IC RATED; 120/277, 0-10V DIMMING TO 1% DRIVER	RECESS	13 W	1100 LUMEN NOMINAL LED 3500K
S4- L5K	LITHONIA CLX-L48-5000LM-SEF-FDL-MVOLT-GZ10-40K-80CRI-SCBA OR EQUIVALENT	4' LINEAR LED STRIP FIXTURE; 0-10V 120/277 DRIVER; FLAT DIFFUSE LENS	SURFACE	34.8 W	5000 LUMEN NOMINAL LED 4000K

B	AS SPECIFIED	APPENDED TO FIXTURE TYPE: 1100 LUMEN EM BATTERY SUPPLY	AS SPECIFIED	PER FIXTURE TYPE
NOTES	-FIXTURE APPENDS ARE ADDED TO STANDARD FIXTURE TYPES. APPENDS ARE INTENDED TO MODIFY FIXTURE CATALOG NUMBERS GIVEN ABOVE AS NOTED IN APPEND DESCRIPTION			



- DETAIL KEYED NOTES**
- SET COUPLING FLUSH WITH FINISH FLOOR.
  - PROVIDE STEEL PLATE WITH SAME DIMENSIONS AS PANEL BOTTOM PLATE. PUNCH PLATE PER CONDUITS ENTERING PANEL TO STRAIGHTEN/ORGANIZE CONDUITS PRIOR TO FINAL RISE INTO PANEL.
  - TRANSITION TO WRAPPED RIGID CONDUIT PRIOR TO RISING ABOVE FLOOR AS SPECIFIED.

**B CONDUIT RISER DETAIL**  
SCALE: NO SCALE



- GENERAL NOTES**
- TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
  - PLASTER RINGS NOT SHOWN.
  - LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
  - OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.
  - IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

**A TYPICAL ROUGH-IN DETAIL**  
SCALE: NO SCALE

LAST SAVE 12/04/2024 11:00:55 AM LOGAN HIGH SOFTBALL PRESSBOX01.DWG PROJECTSHEETS/E501 ELECTRICAL DETAILS & SCHEDULES.DWG  
LAST SAVED: 04 Dec 24