










- NOTES:**
1. WHERE MULTIPLE LINE VOLTAGE DEVICES ARE SHOWN ADJACENT TO EACH OTHER, THEY ARE ALL TO SHARE THE SAME JUNCTION BOX, UP TO FOUR GANGS.
 2. WHERE MORE THAN FOUR DEVICES ARE SHOWN ADJACENT TO EACH OTHER, DEVICES ARE TO STACK VERTICALLY ABOVE ONE ANOTHER IN TWO ROWS IN AS SMALL OF GANG BOXES AS POSSIBLE. I.E. SIX DEVICES WILL USE TWO THREE GANG BOXES, FIVE DEVICES WILL USE ONE THREE GANG AND ONE TWO GANG BOX.
 3. SEPARATELY GANGED DEVICES ARE NOT ALLOWED TO BE INSTALLED ADJACENT TO ONE ANOTHER HORIZONTALLY WITHIN THE SAME STUD BAY.
 4. AUDIBLE/VISUAL FIRE ALARM DEVICES SHOWN ARE TO BE MOUNTED AT 90° OR 6° BELOW CEILING, WHICHEVER IS LOWER. ADA STROBES TO BE MOUNTED AT 80° AFF OR 6° BELOW CEILING, WHICHEVER IS LOWER.
 5. THE E.C. SHALL REFER TO INTERIOR DESIGN ELEVATIONS TO COORDINATE ALL COUNTER HEIGHTS. ALL "AC" DEVICES SHALL HAVE BOTTOM OF BACK-BOX MOUNTED 4" ABOVE THE BACK/SIDE FLASH.

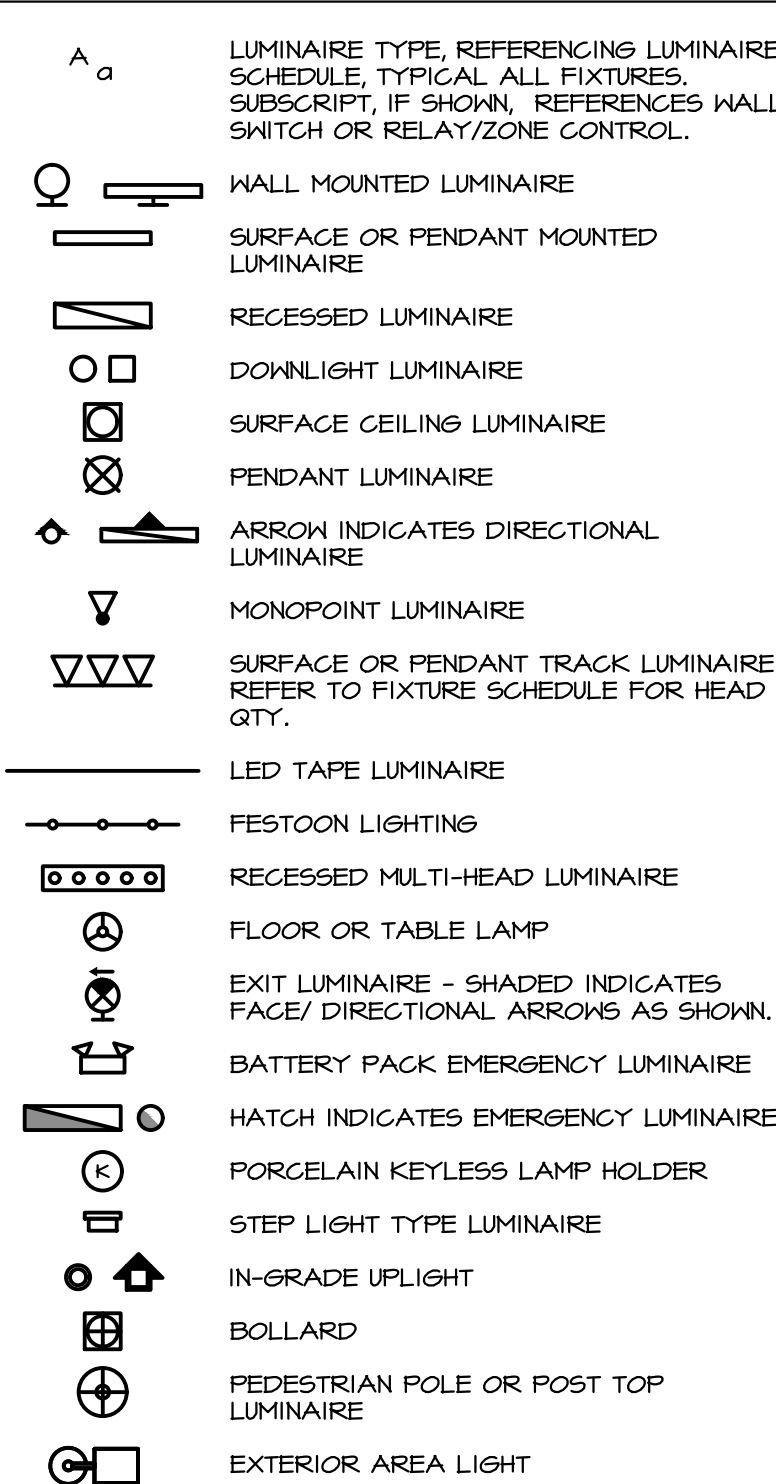
1 | MOUNTING HEIGHTS DETAIL

E000	SCALE: N.T.S.
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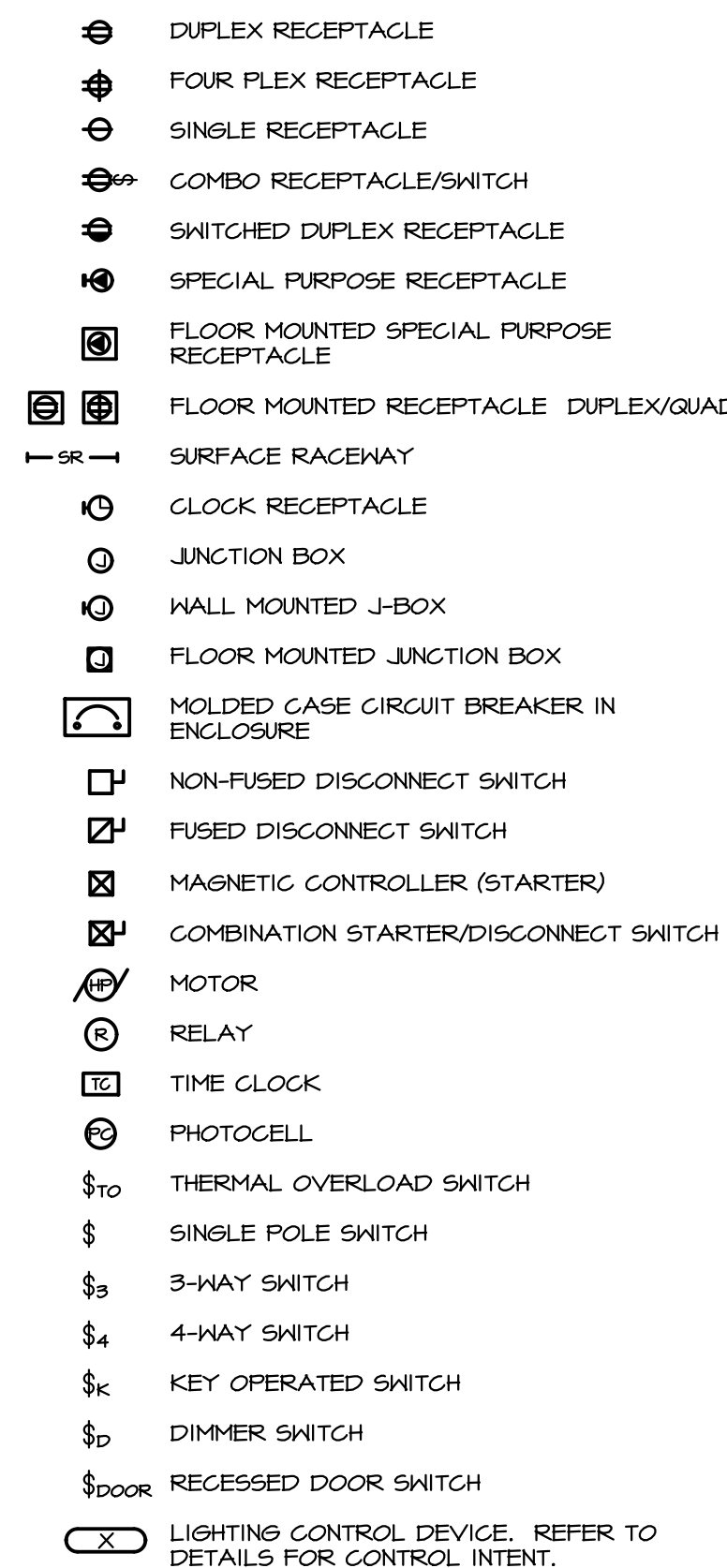
ABBREVIATIONS AND SYMBOLS

A	AMPERES(S)
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERES INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
BFF	BELOW FINISHED FLOOR
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCT	CORRELATED COLOR TEMPERATURE
CLS	CEILING
CT	CURRENT TRANSFORMER
DED	DEDICATED CIRCUIT
DISC	DISCONNECT
DW	DISHWASHER
DWS(S)	DRAIN(S)
(E)	EXISTING TO REMAIN
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
(ER)	EXISTING TO BE RELOCATED
EM	EMERGENCY
EPO	EMERGENCY POWER OFF
EW	ELECTRIC WATER COOLER
F	FUSE
FLA	FULL LOAD AMPS
G	GROUND
GC	GENERAL CONTRACTOR
GD	GARBAGE DISPOSAL
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HP	HORSEPOWER
IDF	INTERMEDIATE DISTRIBUTION FACILITY
IS	ISOLATED GROUND
ISC	SHORT CIRCUIT CURRENT
KVA	KILOVOLT AMPERE(S)
KW	KILOWATT(S)
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPERE(S)
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION CENTER
MDF	MAIN DISTRIBUTION FACILITY
MLO	MAIN LUGS ONLY
MTS	MANUAL TRANSFER SWITCH
MW	MICROWAVE
NC	NORMALLY CLOSED
NL	NIGHT LIGHT - SEE GENERAL NOTES
NO	NORMALLY OPEN
OAE	OR APPROVED EQUAL
OH	OVERHEAD
P	POLE
PART	PARTIAL CIRCUIT
PH, Ø	PHASE
PNL	PANEL
(R)	REMOVED, EXISTING TO BE REMOVED
RCP	RECEPTACLE
REF	REFRIGERATOR
(RL)	RELOCATED LOCATION
SPD	SURGE PROTECTION DEVICE
UC	UNDER COUNTER/CABINET
UG	UNDERGROUND
UN	UNLESS OTHERWISE NOTED
V	VOLT(S)
W	WATT(S) OR WIRE
WG	WIRE GUARD
WP	WEATHERPROOF
XFM	TRANSFORMER
	POOL EQUIPMENT SCHEDULE NOTED
	KITCHEN EQUIPMENT SCHEDULE NOTED
	MECHANICAL EQUIPMENT SCHEDULE NOTED
	DETAIL NOTE
	DELTA REVISION NOTE
	ELECTRICAL WIRE SIZE
	LIGHTING CONTROLS SEQUENCE OF OPERATION
	DETAIL REFERENCE TAG
	CENTER LINE DESIGNATION

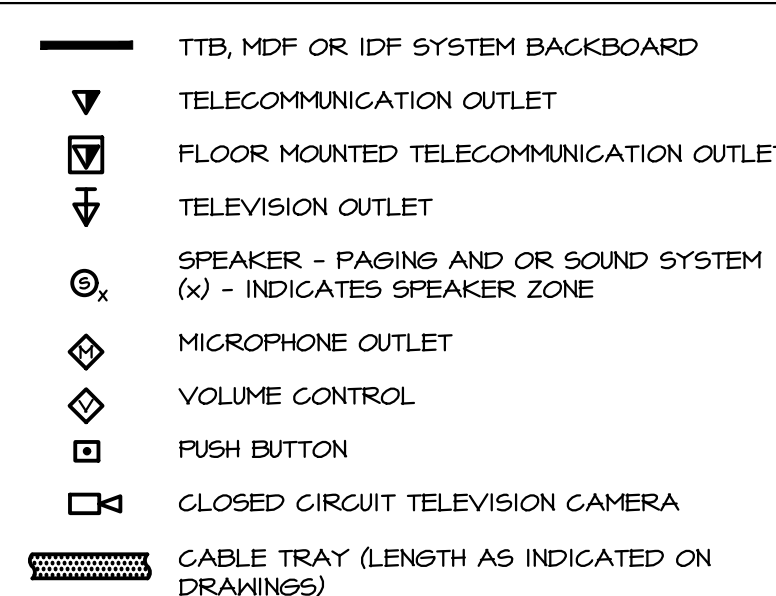
LIGHTING FIXTURES



WIRING DEVICES



SYSTEMS



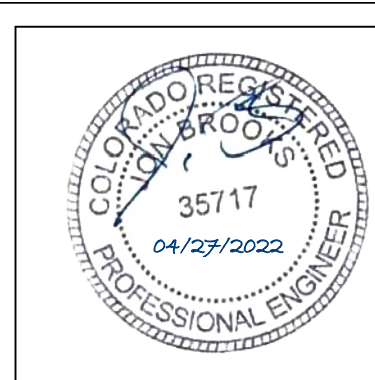
ELECTRICAL GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM.
2. MATERIALS AND INSTALLATION SHALL COMPLY WITH CODES, LAWS AND ORDINANCES OF FEDERAL, STATE AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
3. MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY UL, ETL, CSA OR ANOTHER RECOGNIZED TESTING LAB.
4. ALL WORK REQUIRED FOR THE INSTALLATION AS SHOWN ON DRAWINGS INCLUDING LABOR, EQUIPMENT AND MATERIALS SHALL BE IN STRICT CONFORMANCE WITH THE BUILDING STANDARDS, EXCEPT AS NOTED OTHERWISE.
5. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE ELECTRICAL WORK.
6. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES AND UTILITY COMPANIES SHOP DRAWINGS, WHICH ARE REQUIRED BY THESE AGENCIES, FOR THEIR APPROVAL.
7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/OWNER OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
8. FOR ALL JOBS THAT INCLUDE DEMOLITION WORK BY THE ELECTRICAL CONTRACTOR, DURING AND AFTER DEMOLITION, EC SHALL MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING DEVICES THAT ARE TO REMAIN, EC SHALL SHIELD, AND/OR REWORK ANY CONDUIT AND WIRING TO FACILITATE THE NEW CONSTRUCTION SCOPE OF WORK. FOR ALL LUMINAIRES THAT ARE EXISTING TO REMAIN OR EXISTING TO BE RELOCATED, EC SHALL CLEAN LENSES AND REPLACE ALL EXHAUSTED LAMPS, UON.
9. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT.
10. ALL MATERIALS, AND EQUIPMENT SHALL BE ERECTED, INSTALLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
11. ALL CUTTING, DRILLING AND PATCHING OF MASONRY, STEEL OR IRON WORK BELONGING TO THE BUILDING MUST BE DONE BY THIS CONTRACTOR IN ORDER THAT HIS WORK MAY BE PROPERLY INSTALLED, BUT UNDER NO CIRCUMSTANCES MAY STRUCTURAL WORK BE CUT EXCEPT AT THE DIRECTION OF THE ARCHITECT-DESIGNER OR THEIR REPRESENTATIVE.
12. E.C. IS TO REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ALL FIRE RATED PENETRATION INSTALLATION REQUIREMENTS. E.C. IS TO NOTIFY ENGINEER AND ARCHITECT PRIOR TO INSTALLING ANY FIXTURES WITHIN A FIRE RATED CEILING OR WALL. FIRE RATING MUST BE MAINTAINED FOR THIS TYPE OF INSTALLATION WITH DRYWALL TENTING.
13. E.C. SHALL PROVIDE COORDINATION STUDY OF NEW AND/OR NEW GEAR COMBINED WITH EXISTING GEAR DURING THE SUBMITTAL PROCESS.
14. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOCAL, GROUND OR FIELD. ALL LIGHTING FIXTURES, PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
15. SUBMIT (3) COPIES OF THE FOLLOWING SHOP DRAWINGS FOR REVIEW:
A. SWITCH BOARD, PANELBOARDS, AND METERING EQUIPMENT
B. DISCONNECTS
C. FIRE ALARM SYSTEM
D. LIGHT FIXTURES
E. LIGHTING CONTROLS
F. TRANSFORMERS
G. PROVIDE "AS-BUILT" DRAWINGS AND SUBMIT TO ARCHITECT/DESIGNER.
16. PROVIDE THE FOLLOWING INFORMATION, PER IECC 2015 C408.2.5.2 TO THE PARTY RESPONSIBLE FOR PROJECT COMMISSIONING PLAN (COMMISSIONING AGENT/ MECHANICAL ENGINEER) AND ELECTRICAL ENGINEERING:
a. SHEETS/FEES FOR ALL INSTALLED LIGHTING AND LIGHTING CONTROLS.
b. OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF INSTALLED LIGHTING AND LIGHTING CONTROLS. ACTIONS, CLEANING AND RECOMMENDED RELAYS SHALL BE CLEARLY IDENTIFIED.
c. SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS. INSPECTION OF ALL LIGHTING CONTROLS SHALL BE PERFORMED PRIOR TO ELECTRICAL ENGINEER'S COMMISSIONING SITE VISIT. RECALIBRATION OF LIGHTING CONTROLS SHALL BE PERFORMED FOLLOWING SITE VISIT AND SHALL BE BASED UPON THE RECOMMENDATIONS OF THE ELECTRICAL ENGINEER.
17. ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW, UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED.
18. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS. ELECTRICAL CONTRACTOR IS TO SUBMIT A COMPLETE CONSTRUCTION DRAWING SET TO THE ELECTRICAL UTILITY COMPANY WITHIN 10 DAYS OF AWARD OF CONTRACT. COORDINATE TIMELINE OF THE REVIEW, APPROVAL, ALL ASSOCIATED DOWN TIME, CONSTRUCTION SCHEDULING, DELIVERY, AND INSTALLATION OF THE UTILITY TRANSFORMER. NOTIFY OWNER OF SCHEDULING CONFLICTS.
19. ALL NEW CIRCUIT BREAKERS FOR NEW OR EXISTING PANELBOARDS SHALL MATCH EXISTING BUILDING PANELBOARD MANUFACTURER AND BREAKER TYPE. THE CONTRACTOR SHALL PROVIDE NEW TYPE WRITTEN PANEL DIRECTS FOR ALL NEW PANELS AND EXISTING PANELS WHICH HAVE CHANGED. PANELBOARD SHALL BE MARKED WHERE THE SOURCE OF POWER SUPPLY ORIGINATES, AND IF SERIES COMBINATION SYSTEMS ARE UTILIZED AND THEIR LISTED AMPERE RATING.
20. DO NOT SHARE NEUTRAL CONDUCTORS FOR MULTIWIRE BRANCH CIRCUITS, WHERE SHARED NEUTRAL CONDUCTORS ARE REQUIRED (SUCH AS POWERED FURNITURE SYSTEMS), HANDLE TIES SHALL BE PROVIDED ON THE CIRCUIT BREAKER, SHARED NEUTRALS, SUCH THAT IT WILL NOT UNDESIRABLY DISCONNECT ALL UNGROUNDED CONDUCTORS. ALL HANDLE TIES ARE REQUIRED TO BE INDICATED ON THE PANELBOARD SHOP DRAWINGS.
21. SHOULD ACTUAL FIELD CONDITIONS REQUIRE INDICATED CIRCUIT DESIGNATIONS TO VARY, INDICATE THE CIRCUIT NUMBER USED ON THE "AS-BUILT" DRAWINGS.
22. ALL SERVICE EQUIPMENT (OTHER THAN DIEHLING UNITS) SHALL BE LEGIBLY MARKED IN THE FIELD BY THE ELECTRICAL CONTRACTOR WITH THE MAXIMUM AVAILABLE FAULT CURRENT AS INDICATED WITHIN THESE DOCUMENTS. THE FIELD MARKING(S) SHALL COMPLY WITH ELECTRICAL CODE REQUIREMENTS.
23. ALL NEW CIRCUITS SHALL HAVE A GROUND WIRE INSTALLED.
24. ALL WIRING NOT INSTALLED IN CONDUIT AND INSTALLED IN THE CEILING SPACE SHALL BE PLENUM RATED.
25. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SPECIAL OUTLET BOXES THAT MAY BE REQUIRED TO ENCLOSE RECEPTACLES.
26. EACH SWITCH, LIGHT, RECEPTACLE AND OTHER MISCELLANEOUS DEVICE SHALL BE PROVIDED WITH A GALVANIZED OR PRESSED STEEL OUTLET BOX OF THE KNOCKOUT TYPE, OF NOT LESS THAN NO. 14 U.S. GAUGE STEEL. CONDUITS SHALL BE FASTENED WITH LOCKWASCS AND BUSHINGS AND ALL UNUSED KNOCKOUTS MUST BE LEFT SEALED. THERE MUST BE SUFFICIENT ROOM FOR WIRES AND BUSHINGS AND DEEP BOXES SHALL BE INSTALLED WHERE REQUIRED. BOXES SHALL BE SECURELY AND ADEQUATELY SUPPORTED.
27. IN EXPOSED AND SUSPENDED CEILING APPLICATIONS, ROUTE CONDUIT AS CLOSE TO STRUCTURAL SLAB OR DECK AS POSSIBLE, AND SUPPORT CONDUIT AND JUNCTION BOXES DIRECTLY FROM THE STRUCTURAL SLAB, DECK, OR FRAMING PROVIDED FOR THAT PURPOSE. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO THE CEILING SYSTEM HAS BEEN SPECIFICALLY DESIGNED FOR THAT PURPOSE.
28. ALL EXPOSED CONDUIT SHALL BE CONCEALED TO THE GREATEST EXTENT POSSIBLE, AND SHALL BE INSTALLED PARALLEL AND CLOSE TO STRUCTURAL MEMBER FROM WHICH THE GENERAL CONTRACTOR SHALL PAINT CONDUIT TO MATCH ADJACENT FINISHES.
29. WHERE FLOOR FITTINGS REQUIRE PENETRATION OF THE FLOOR SLAB, THEY SHALL BE INSTALLED IN ACCORDANCE WITH THE FLOOR FINISHING AND HAVE A UL FIRE RATING EQUAL TO THE FLOOR RATING. FLOOR SERVICE BOXES SHALL BE MODULAR, ADJUSTABLE FLUSH TYPE, DUAL SERVICE UNITS SUITABLE FOR WIRING METHOD USED. COMPARTMENT BARRIERS SHALL SEPARATE POWER FROM LOW VOLTAGE CABLING. PROVIDE RECTANGULAR SERVICE PLATE WITH SATIN FINISH.
30. ALL RECEPTACLES SHALL BE SPECIFICATION GRADE NEMA 5-20R, UNLESS OTHERWISE NOTED.
31. ALL LIGHT SWITCHES SHALL BE SPECIFICATION GRADE, QUIET OPERATION RATED 120/277 VOLT, 20 AMPS, UNLESS OTHERWISE NOTED.
32. ALL FACE PLATE AND DEVICE COLORS SHALL BE APPROVED BY ARCHITECT OR OWNER/LEASEE.
33. PROVIDE LUMINAIRES SHOWN AS SHADED WITH EMERGENCY BATTERY BACKUP POWER. EMERGENCY LUMINAIRES SHALL SENSE UNSIGHTED POWER TO THE SPACE AND OPERATE AUTOMATICALLY UPON LOSS OF NORMAL POWER. ALL EMERGENCY LUMINAIRES WITH LED SOURCES SHALL BE PROVIDED WITH 90 MINUTES OF BATTERY BACKUP POWER. ALL EMERGENCY LUMINAIRES SHALL HAVE INTEGRAL OR REMOTE TEST SWITCHES AS INDICATED IN THE FIXTURE SCHEDULE AND VISIBLE INDICATING LIGHTS. CONNECT THE EMERGENCY BATTERY TO THE UN-SWITCHED LEG OF THE LIGHTING CIRCUIT INDICATED.
34. ALL EXIT SIGNAGE LUMINAIRES SHALL BE CONNECTED TO THE LIGHTING CIRCUIT FEEDING THE ADJACENT AREA AND WIRED AHEAD OF ANY LOCAL SWITCHING, UON.
35. UNLESS OTHERWISE NOTED, LUMINAIRES DESIGNATED AS NIGHT LIGHT (NL) SHALL BE CONNECTED AHEAD OF LOCAL SWITCHING AND REMAIN ON 24 HOURS A DAY.
36. ALL DIMMED LIGHTING CIRCUITS ARE TO RECEIVE DEDICATED NEUTRALS, DO NOT SHARE NEUTRALS ON DIMMED LIGHTING CIRCUITS.
37. WHERE DUAL LEVEL SWITCHING IS INDICATED, THE SWITCH CLOSEST TO THE DOOR SHALL CONTROL ALL OUTER LAMPS IN THE INDICATED LUMINAIRE AND THE ADJACENT SWITCH SHALL CONTROL ALL INNER LAMPS IN THE INDICATED LUMINAIRES, UON.
38. PROVIDE OWNER WITH A COMPLETE LISTING OF ALL LAMPS UTILIZED ON THE PROJECT AND INDICATE THE MANUFACTURER AND LOCAL INFORMATION. PROVIDE A SUGGESTED SOURCE, INCLUDING CONTACT NAME AND PHONE NUMBER, FOR REORDERING.
39. THE CONTRACTOR SHALL VERIFY THE CEILING TYPE BEFORE ORDERING LIGHTING FIXTURES.
40. ROUGH-IN FOR MECHANICAL EQUIPMENT SHALL ONLY OCCUR AFTER MECHANICAL EQUIPMENT SUBMITTALS ARE THOROUGHLY REVIEWED FOR CHANGES. NOTIFY ENGINEER OF ANY DISCREPANCIES.
41. FINAL LAYOUT AND QUANTITY OF ALL FIRE ALARM DEVICES SUBJECT TO APPROVAL OF LOCAL AUTHORITY HAVING JURISDICTION.
42. THE POWER AND CONTROL REQUIREMENTS FOR ALL EQUIPMENT CONNECTIONS SHALL BE CONFIRMED WITH APPROVED SHOP DRAWINGS PRIOR TO ELECTRICAL ROUGH-IN. FINAL POWER REQUIREMENTS, DIMENSIONED ROUGH-IN LOCATIONS, LOW VOLTAGE SYSTEM CONNECTIONS, ETC. SHALL BE CONFIRMED AND MODIFIED AS REQUIRED.
43. ALL DEVICES IN OR ABOVE COUNTERS SHALL HAVE LOCATIONS AND MOUNTING HEIGHTS CONFIRMED WITH ARCHITECTURAL ELEVATIONS & OWNER PRIOR TO ROUGH-IN. ANY ADJUSTMENTS TO MOUNTING HEIGHTS REQUIRED BY LACK OF COORDINATION WILL BE AT THE CONTRACTOR'S EXPENSE.
44. ALL EXISTING ELECTRICAL SERVICES NOT SPECIFICALLY INDICATED TO BE REMOVED OR ALTERED SHALL REMAIN AS THEY PRESENTLY EXIST.
45. G.C. SHALL INCLUDE IN HIS COST THE REMOVAL OF ALL EXISTING ELECTRICAL DEVICES, CONDUITS, FIXTURES AND EQUIPMENT. TURN EQUIPMENT OVER TO OWNER AS INDICATED OR RECYCLE/DISCARD ALL EQUIPMENT AS REQUIRED. E.C. SHALL BE RESPONSIBLE FOR THE USE OF DISCONNECTING PRIMARY SERVICE AND TEMPORARY POWER.
46. WHERE EXISTING CEILINGS ARE REVISED FROM ACCESSIBLE TO NON-ACCESSIBLE, CONTRACTOR IS TO INCLUDE IN HIS BID THE COSTS ASSOCIATED WITH RELOCATING ALL ELECTRICAL EQUIPMENT REQUIRING ACCESS ABOVE THE EXISTING CEILING TO A NEW ACCESSIBLE CEILING LOCATION APPROVED BY ARCHITECT AND ENGINEER. THE USE OF ACCESS PANELS IN THE NEW CEILING TO AVOID RELOCATION OF THIS EQUIPMENT IS NOT ACCEPTABLE.
47. CONTRACTOR TO CONDUCT FUNCTIONAL TESTS OF LIGHTING CONTROLS EQUIPMENT AS REQUIRED BY IECC 2012/2015, SECTION C408.3. AFTER THIS TESTING IS OBSERVED AND COMPLETED, THE COMMISSIONING AUTHORITY SHALL PROVIDE DOCUMENTATION TO THE AHI THAT CERTIFIES THAT THE INSTALLATION MEETS THE DOCUMENTED PERFORMANCE CRITERIA OF SECTION C408A.
48. IDENTIFY EACH RECEPTACLE WITH PANELBOARD IDENTIFICATION AND CIRCUIT NUMBER. USE HOT, STAMPED, OR ENGRAVED MACHINE PRINTING WITH BLACK-FILLED LETTERING ON FACE OF PLATE, AND DURABLE WIRE MARKERS OR TAGS INSIDE OUTLET BOXES.
49. UNLESS OTHERWISE NOTED, ALL GFCI RECEPTACLES SHALL HAVE TEST/RESET SWITCHES INTEGRAL TO RECEPTACLE DEVICE.



AE DESIGN

Integrated Lighting and Electrical Solutions
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aedesign-inc.com Project #:5377.00



NOTICE: DUTY OF COOPERATION

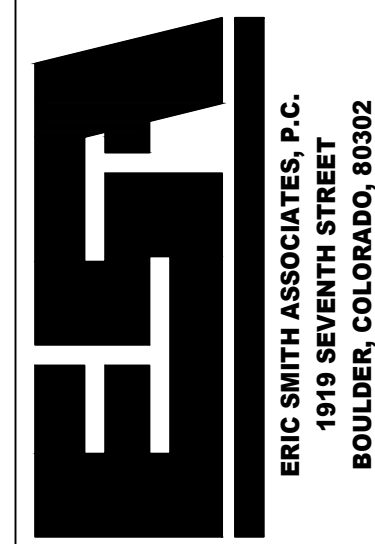
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Eric Smith Associates, P.C.

REVISIONS

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SSRC CHRISTIE PEAK
EXPRESS CHAIRLIFT
LOWER TERMINAL & MID-STATION
STEAMBOAT SPRINGS, CO



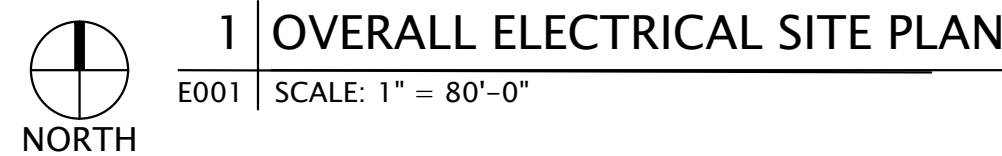
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Date:	3/1/20
Drawn By:	ENM, SP
Checked By:	TPK

Project Phase
CONSTRUCTION DOCUMENTS

Sheet Title
ELECTRICAL COVER SHEET

Sheet Number

E000



KEYNOTE LEGEND	
KEY	VALUE
◇	<ol style="list-style-type: none"> 1. CONTRACTOR TO DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND TURN OVER TO OWNER. 2. OWNER/SRGC TO DISCONNECT AND REMOVE EXISTING NIGHT SKI LIGHTING FIXTURE AT LOCATION SHOWN. 3. OWNER TO INSTALL NIGHT SKI LIGHTING FIXTURE ON NEW CPX SKI LIFT TOWER. 4. EC SHALL RECONNECT RELOCATED NIGHT SKI LIGHTING FIXTURE TO EXISTING CIRCUIT ON PANEL M' AND EXISTING LIGHTING CONTROL RELAY AT EXISTING MID-STATION. LIGHTING FIXTURE TO BE RE-INSTALLED AT NEW TOWER LOCATION BY OWNER/SRGC. EC SHALL EXTEND EXISTING CIRCUIT WIRING AND CONDUIT TO NEW LOCATION AS NECESSARY TO MAINTAIN EXISTING POWER AND CONTROLS AND MAKE ALL FINAL TERMINATIONS AT RELOCATED LIGHT FIXTURE. EXISTING CIRCUIT SHOWN FOR REFERENCE.

[illegible]

**SSRC CHRISTIE PEAK
EXPRESS CHAIRLIFT
LOWER TERMINAL & MID-STATION
STEAMBOAT SPRINGS, CO**

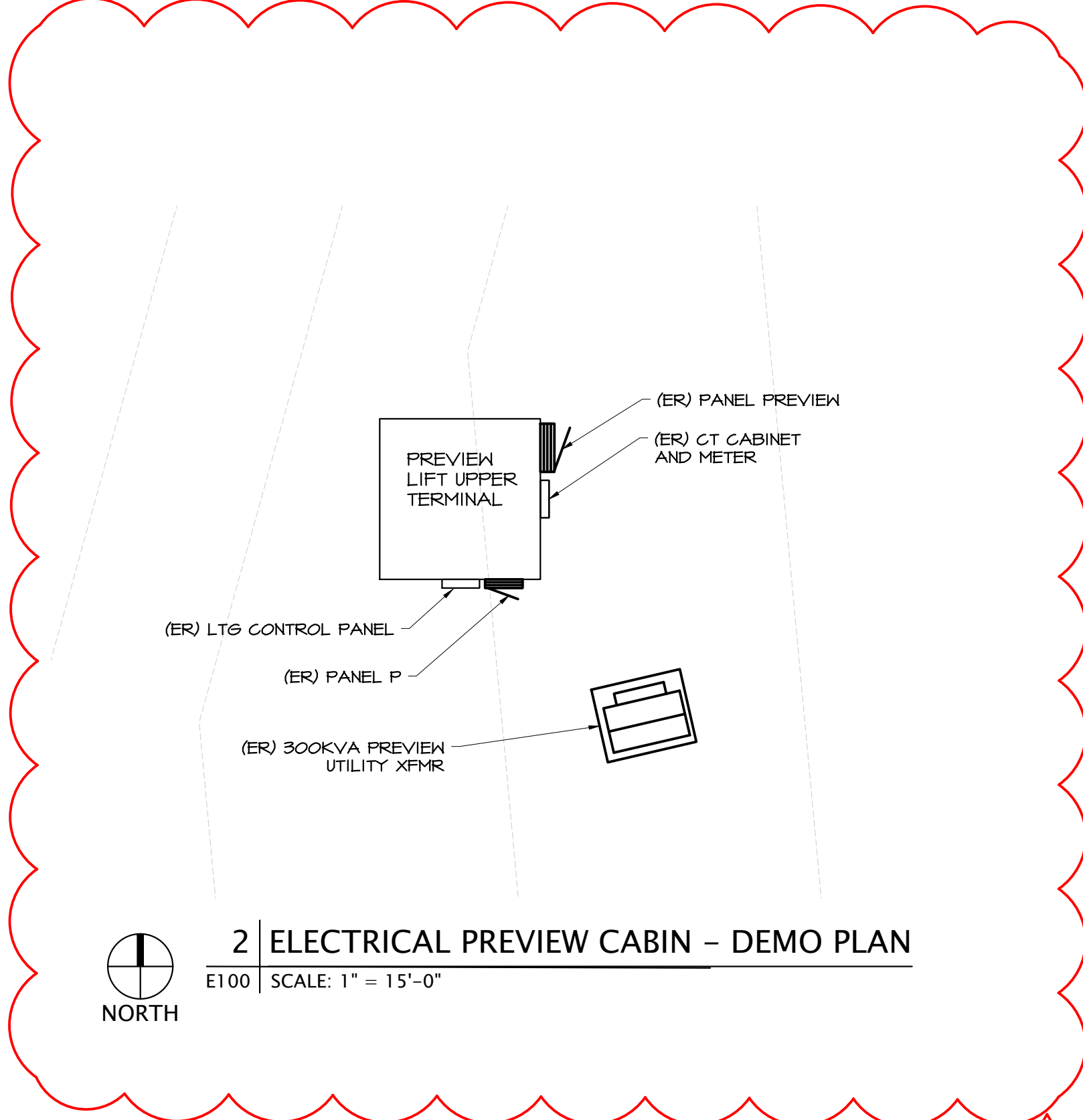
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Checked By:	TPK

Project Phase
CONSTRUCTION DOCUMENTS

Sheet Title
ELECTRICAL SITE PLAN

Sheet Number
E001

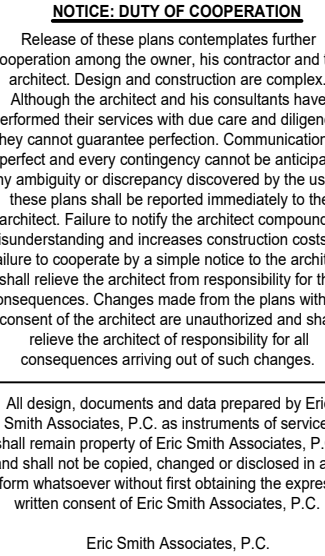
REVIEWED FOR CODE COMPLIANCE 07/06/2022



2	ELECTRICAL PREVIEW CABIN – DEMO PLAN
E100	SCALE: 1" = 15'-0"

KEYNOTE LEGEND	
KEY VALUE	

- REVIEWED FOR CODE COMPLIANCE**
07/06/2022



SSRC CHRISTIE PEAK
EXPRESS CHAIRLIFT
LOWER TERMINAL & MID-STATION
STEAMBOAT SBINGS CO



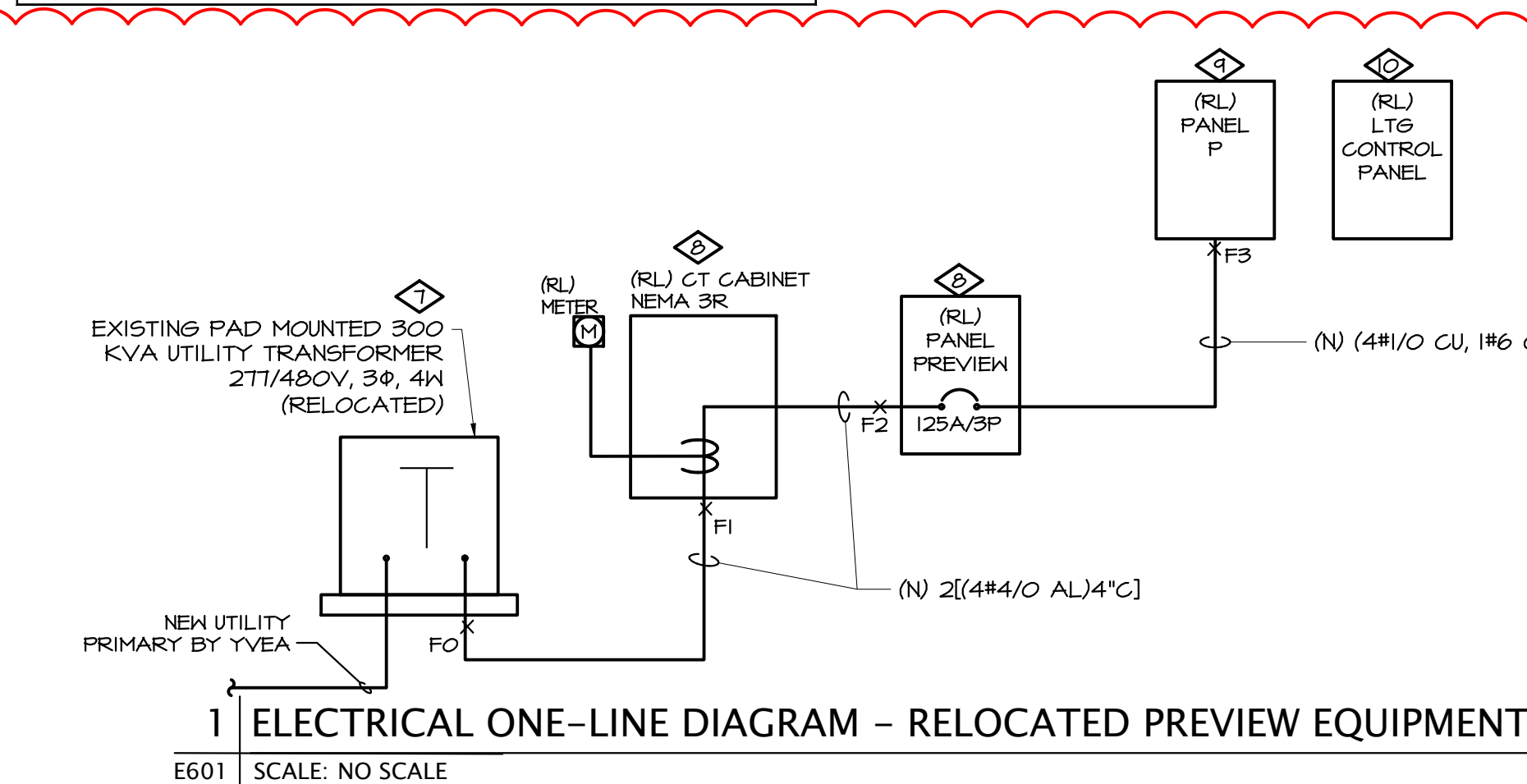
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Drawn By:	ENM, S
Checked By:	TPK

Project Phase
CONSTRUCTION DOCUMENTS

Sheet Title
ELECTRICAL POWER PLAN

Sheet Number
E100

KEY/ FEEDER CONDUIT AMPS AND CONDUCTORS	KEY/ FEEDER CONDUIT AMPS AND CONDUCTORS	KEY/ FEEDER CONDUIT AMPS AND CONDUCTORS
SERVICE ENTRANCE FEEDERS	SDS XFMR FEEDERS (NOTE 1)	
A400N 2(4#250, 3/4")	A150S 4(3/4", 1#1/0S, 2-1/2" C)	
A600N 2(4#500, 3-1/2" C)	A250S 4(3#50, 1#1/0S, 3/4")	
A800N 3(4#400, 3/4")	A400S 2(4#250, 1#3/0S, 3/4")	
A1000N 4(4#500, 3/4")	A500S 2(4#500, 1#3/0S, 3/4")	
A1200N 4(4#500, 3-1/2" C)	A800S 3(4#400, 1#250S, 3/4")	
A1600N 6(4#400, 3/4")	A1000S 4(4#350, 1#3/0S, 3/4")	
A2000N 8(4#350, 3/4")	A1600S 6(4#400, 1#3/0S, 3/4")	
A2500N 10(4#500, 3-1/2" C)	A2500S 1(4#500, 1#3/0S, 3-1/2" C)	
A3000N 12(4#500, 3-1/2" C)		
A3500N 15(4#500, 3-1/2" C)		
A4000N 18(4#500, 3-1/2" C)		
EQUIPMENT FEEDERS (COPPER) (NOTE 4)		
20NS 4#12, 1#1/2S, 3/4" C	20S 3#12, 1#1/2S, 3/4" C	
30NS 4#10, 1#1/0S, 3/4" C	30S 3#10, 1#1/0S, 3/4" C	
40NS 4#8, 1#1/0S, 1/4" C	40S 3#8, 1#1/0S, 1/4" C	
50NS 4#6, 1#1/0S, 1-1/4" C	50S 3#6, 1#1/0S, 1/4" C	
60NS 4#4, 1#1/0S, 1-1/4" C	60S 3#4, 1#1/0S, 1/4" C	
70NS 4#4, 1#6S, 1-1/4" C	70S 3#4, 1#6S, 1-1/4" C	
80NS 4#3, 1#6S, 1-1/4" C	80S 3#3, 1#6S, 1-1/4" C	
90NS 4#2, 1#6S, 1-1/2" C	90S 3#2, 1#6S, 1-1/4" C	
EQUIPMENT FEEDERS (ALUMINUM) (NOTE 2)		
A100NS 4#1, 1#6S, 1-1/2" C	A100S 3#1, 1#6S, 1-1/2" C	
A100NS 4#1/0, 1#6S, 1-1/2" C	A100S 3#1/0, 1#6S, 1-1/2" C	
A120NS 4#2/0, 1#4S, 2" C	A120S 3#2/0, 1#4S, 2" C	
A150NS 4#3/0, 1#4S, 2" C	A150S 3#3/0, 1#4S, 2" C	
A175NS 4#4/0, 1#4S, 2-1/2" C	A175S 3#4/0, 1#4S, 2-1/2" C	
A200NS 4#250, 1#4S, 2-1/2" C	A200S 3#250, 1#4S, 2-1/2" C	
A225NS 4#300, 1#2S, 2-1/2" C	A225S 3#300, 1#2S, 2-1/2" C	
A250NS 4#350, 1#2S, 3" C	A250S 3#350, 1#2S, 3" C	
A300NS 4#500, 1#2S, 3-1/2" C	A300S 3#500, 1#2S, 3-1/2" C	
A350NS 2(4#4/0, 1#1S, 2-1/2" C)	A350S 2(3#4/0, 1#1S, 2-1/2" C)	
A400NS 2(4#250, 1#1S, 2-1/2" C)	A400S 2(3#250, 1#1S, 2-1/2" C)	
A450NS 2(4#300, 1#1/0S, 2-1/2" C)	A450S 2(3#300, 1#1/0S, 2-1/2" C)	
A500NS 2(4#350, 1#1/0S, 3" C)	A500S 2(3#350, 1#1/0S, 3" C)	
A600NS 2(4#500, 1#2/0S, 3-1/2" C)	A600S 2(3#500, 1#2/0S, 3-1/2" C)	
A700NS 3(4#350, 1#3/0S, 3" C)	A700S 3(3#350, 1#3/0S, 3" C)	
A800NS 3(4#400, 1#3/0S, 3" C)	A800S 3(3#400, 1#3/0S, 3" C)	
A1000NS 4(4#350, 1#4/0S, 3" C)	A1000S 4(3#350, 1#4/0S, 3" C)	
A1200NS 4(4#400, 1#500S, 3" C)	A1200S 4(3#400, 1#500S, 3" C)	
A2000NS 1(4#500, 1#400S, 3-1/2" C)	A2000S 1(3#500, 1#400S, 3-1/2" C)	
GROUNDING CONDUCTORS (COPPER)	ABBREVIATIONS	
G6 1#6, 3/4" C	MECH SEE MECH SCHEDULE	
G6 1#6, 3/4" C	XFMR SEE XFMR SCHEDULE	
G4 1#4, 3/4" C		
G2 1#2, 3/4" C		
G10 1#10, 3/4" C		
G20 1#20, 3/4" C		
G30 1#30, 3/4" C		



KEY/ FEEDER CONDUIT AMPS AND CONDUCTORS	KEY/ FEEDER CONDUIT AMPS AND CONDUCTORS	KEY/ FEEDER CONDUIT AMPS AND CONDUCTORS
SERVICE ENTRANCE FEEDERS	SDS XFMR FEEDERS (NOTE 1)	
400N 2(4#50, 2" C)	30S 4#10, 1#6S, 3/4" C	
600N 2(4#250, 3/4")	50S 4#6, 1#6S, 1-1/4" C	
800N 2(4#500, 3-1/2" C)	100S 4#1, 1#6S, 1-1/2" C	
1000N 3(4#400, 3-1/2" C)	150S 4#1/0, 1#6S, 2" C	
1200N 4(4#350, 3/4")	250S 4#250, 1#2S, 3" C	
1600N 5(4#400, 3-1/2" C)	400S 2(4#50, 1#2S, 2-1/2" C)	
2000N 6(4#400, 3-1/2" C)	500S 2(4#250, 1#1/0S, 3" C)	
2500N 7(4#500, 3-1/2" C)	800S 2(4#500, 1#2/0S, 3" C)	
3000N 8(4#500, 3-1/2" C)	1000S 3(4#400, 1#3/0S, 3-1/2" C)	
3500N 10(4#500, 3-1/2" C)	1600S 5(4#400, 1#3/0S, 3-1/2" C)	
4000N 11(4#500, 3-1/2" C)	2500S 7(4#500, 3-1/2" C)	
EQUIPMENT FEEDERS		
20NS 4#12, 1#1/2S, 3/4" C	20S 3#12, 1#1/2S, 3/4" C	
30NS 4#10, 1#1/0S, 3/4" C	30S 3#10, 1#1/0S, 3/4" C	
40NS 4#8, 1#1/0S, 1/4" C	40S 3#8, 1#1/0S, 1/4" C	
50NS 4#6, 1#1/0S, 1-1/4" C	50S 3#6, 1#1/0S, 1/4" C	
60NS 4#4, 1#1/0S, 1-1/4" C	60S 3#4, 1#1/0S, 1/4" C	
70NS 4#4, 1#6S, 1-1/4" C	70S 3#4, 1#6S, 1-1/4" C	
80NS 4#3, 1#6S, 1-1/4" C	80S 3#3, 1#6S, 1-1/4" C	
90NS 4#2, 1#6S, 1-1/2" C	90S 3#2, 1#6S, 1-1/4" C	
100NS 4#1, 1#6S, 2" C	100S 3#1, 1#6S, 1-1/2" C	
125NS 4#1/0, 1#6S, 2" C	125S 3#1/0, 1#6S, 1-1/2" C	
150NS 4#1/0, 1#6S, 2" C	150S 3#1/0, 1#6S, 1-1/2" C	
175NS 4#2/0, 1#4S, 2" C	175S 3#2/0, 1#4S, 2" C	
200NS 4#3/0, 1#4S, 2-1/2" C	200S 3#3/0, 1#4S, 2" C	
225NS 4#4/0, 1#4S, 2-1/2" C	225S 3#4/0, 1#4S, 2" C	
250NS 4#250, 1#4S, 2" C	250S 3#250, 1#4S, 2-1/2" C	
300NS 4#350, 1#4S, 3" C	300S 3#350, 1#4S, 3" C	
350NS 4#500, 1#4S, 3" C	350S 3#500, 1#4S, 3" C	
400NS 2(4#3/0, 1#3S, 2-1/2" C)	400S 2(3#3/0, 1#3S, 2" C)	
450NS 2(4#4/0, 1#2S, 2-1/2" C)	450S 2(3#4/0, 1#2S, 2" C)	
500NS 2(4#500, 1#2S, 3" C)	500S 2(3#500, 1#2S, 2" C)	
600NS 2(4#350, 1#1S, 2-1/2" C)	600S 2(3#350, 1#1S, 2-1/2" C)	
700NS 2(4#500, 1#1/0S, 3-1/2" C)	700S 2(3#500, 1#1/0S, 3" C)	
800NS 2(4#500, 1#1/0S, 3-1/2" C)	800S 2(3#500, 1#1/0S, 3" C)	
1000NS 3(4#400, 1#2/0S, 3-1/2" C)	1000S 3(3#400, 1#2/0S, 3" C)	
1200NS 4(4#350, 1#3/0S, 3" C)	1200S 4(3#350, 1#3/0S, 3" C)	
1600NS 5(4#400, 1#4/0S, 3-1/2" C)	1600S 5(3#400, 1#4/0S, 3" C)	
2000NS 6(4#400, 1#500S, 3-1/2" C)	2000S 6(3#400, 1#500S, 3" C)	
GROUNDING CONDUCTORS	ABBREVIATIONS	
G6 1#6, 3/4" C	MECH SEE MECH SCHEDULE	
G6 1#6, 3/4" C	XFMR SEE XFMR SCHEDULE	
G4 1#4, 3/4" C		
G2 1#2, 3/4" C		
G10 1#10, 3/4" C		
G20 1#20, 3/4" C		
G30 1#30, 3/4" C		

1. FEEDER FOR SECONDARY OF SEPARATELY DERIVED SYSTEM (SDS). GROUND SIZE PER NEC TABLE INCLUDED IN ARTICLE 250.66.
2. ALL CONDUCTORS ARE SINGLE CONDUCTOR COPPER THIN UNLESS NOTED OTHERWISE. AMPACITY BASED ON THE NEC TABLE INCLUDED IN ARTICLE 310.
3. ALL CONDUITS ARE EMT UNLESS NOTED OTHERWISE, FILL RATIOS BASED ON NEC ANNEX C TABLE C1.

POINT	LOCATION DESCRIPTION	LENGTH (L) (ft)	LOAD ON FEEDER (Amps)	Power Factor (%)	VOLTAGE (EL-L)	PHASE	WIRE SIZE	CONDUCTOR MATERIAL	CONDUCTOR TYPE	CONDUIT MATERIAL	VOLTAGE CLASS	Conductor Volt Loss	C VALUE	# OF PARALLEL RUNS	IsC AVAILABLE UPSTREAM	F L-L	M L-L	IsC AT EQUIP (3P) OR (L-L)	% OF VOLTAGE DROP	VOLTAGE AT START (M-L)	VOLTAGE AT END (M-L)	POINT
FO	(RL) UTILITY XFMR	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	FO
F1	(RL) CT CABINET	30	400	40%	480	3	4X	ALUMINUM	THREE SINGLE CONDUCTORS	NONMAGNETIC	600V	156	11174	2	15500	0.08	0.98	14.418	0.2%	480	471	F1
F2	(RL) PANEL PREVIEW	5	400	40%	480	3	4X	ALUMINUM	THREE SINGLE CONDUCTORS	STEEL	600V	194	10740	2	14,418	0.01	0.91	14,245	0.0%	471	471	F2
F3	(RL) PANEL P	5	21	40%	480	3	1X	ALUMINUM	THREE SINGLE CONDUCTORS	STEEL	600V	359	5777	1	14,245	0.04	0.96	13,628	0.0%	471	471	F3
F4	(N) SNOWMAKING (TYP)	800	36	40%	480	3	1	ALUMINUM	THREE SINGLE CONDUCTORS	STEEL	600V	482	4645	1	14,245	0.25	0.75	1,446	2.6%	471	466	F4

- NOTES:
1. ALL CALCULATIONS WERE DONE USING BUSMAN "POINT-TO-POINT" METHOD.
 2. LET THRU TAKEN FROM BUSMAN "CURRENT LIMITATION CURVES."
 3. ALL YELLOW SQUARES REQUIRE USER INPUT.
 4. VERIFY THAT THIS CELL REFERENCES THE CORRECT VALUE UPSTREAM OF THE EQUIPMENT.

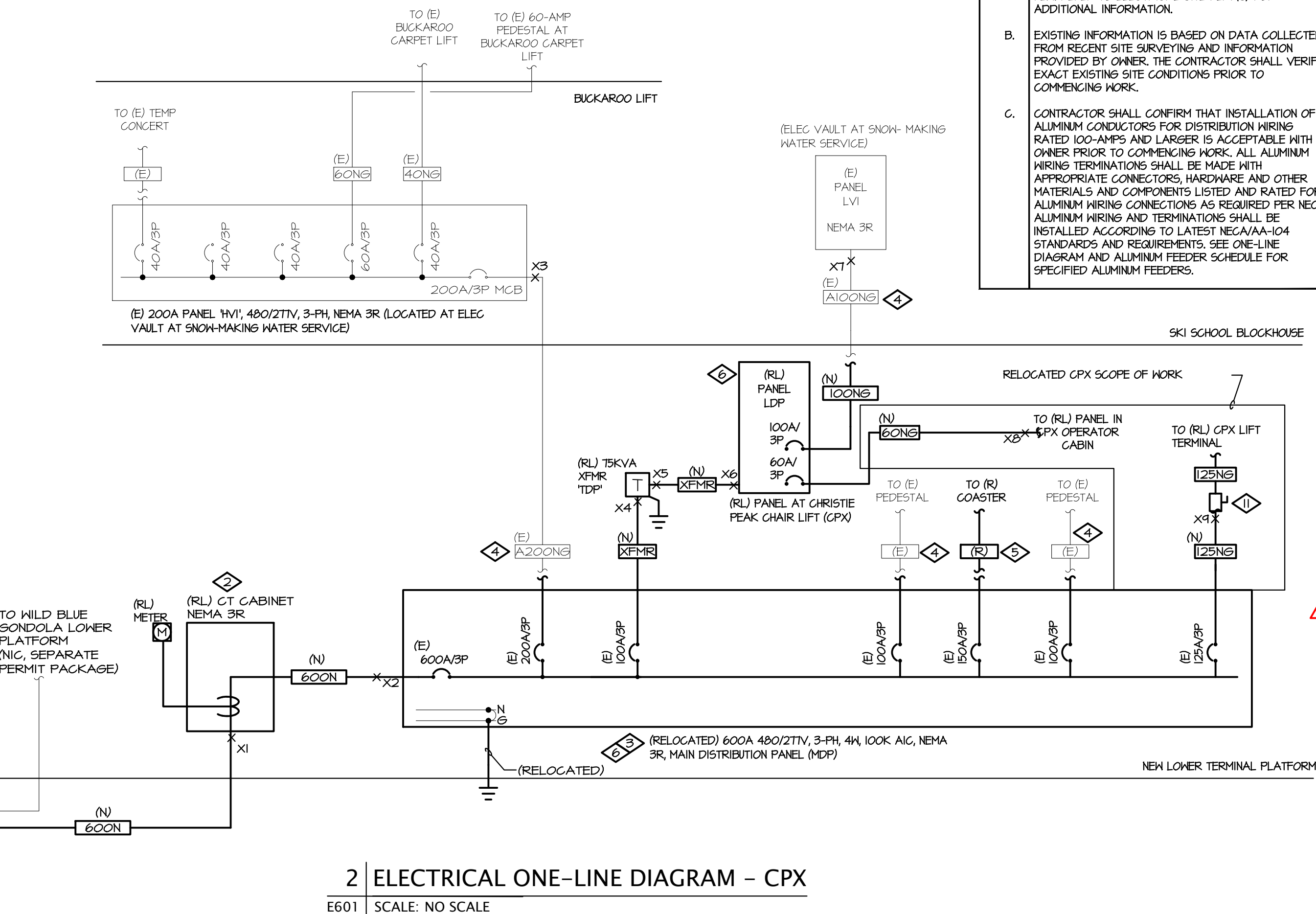
POINT	LOCATION DESCRIPTION	LENGTH (L) (ft)	LOAD ON FEEDER (Amps)	Power Factor (%)	VOLTAGE (EL-L)	PHASE	WIRE SIZE	CONDUCTOR MATERIAL	CONDUCTOR TYPE	CONDUIT MATERIAL	VOLTAGE CLASS	Conductor Volt Loss	C VALUE	# OF PARALLEL RUNS	IsC AVAILABLE UPSTREAM	F L-L	M L-L	IsC AT EQUIP (3P) OR (L-L)	% OF VOLTAGE DROP	VOLTAGE AT START (M-L)	VOLTAGE AT END (M-L)	POINT
X0	UTILITY XFMR	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	X0
X1	(RL) CT CABINET	30	255	40%	480	3	500	ALUMINUM	THREE SINGLE CONDUCTORS	NONMAGNETIC	600V	46	21910	2	15500	0.04	0.92	14,200	0.0%	480	471	X1
X2	(RL) 600A MDP	5	255	40%	480	3	500	ALUMINUM	THREE SINGLE CONDUCTORS	STEEL	600V	106	18755	2	14,200	0.01	0.91	14,024	0.0%	471	461	X2
X3	(E) PNL LV1	5	180	40%	480	3	250	ALUMINUM	THREE SINGLE CONDUCTORS	STEEL	600V	178	12122	1	14,024	0.25	0.75	4,345	3.3%	471	462	X3
X4	(RL) TSKVA XFMR PRI	5	180	40%	480	3	1	COPPER	THREE SINGLE CONDUCTORS	STEEL	600V	242	1242	1	4,345	0.01	0.91	4,291	0.1%	471	471	X4
X5	(RL) TSKVA XFMR SEC	0	180	40%	208	3	250	COPPER	THREE SINGLE CONDUCTORS	STEEL	600V	123	16483	1	4,291	0.00	1.00	4,291	0.0%	207	207	X5
X6	(RL) PNL LDP	10	180	40%	208	3	250	ALUMINUM	THREE SINGLE CONDUCTORS	STEEL	600V	178	12122	1	4,291	0.03	0.97	4,175	0.1%	207	207	X6
X7	(E) PNL LV1	535	36	40%	208	3	1	ALUMINUM	THREE SINGLE CONDUCTORS	STEEL	600V	482	4645	1	4,175	4.00	0.20	834	4.2%	207	198	X7
X8	(RL) CPX CABIN PNL	50	30	40%	208	3	4	COPPER	THREE SINGLE CONDUCTORS	STEEL	600V	526	3806	1	4,175	0.01	0.92	3,826	0.1%	207	206	X8
X9	(RL) CPX TERMINAL	50	30	40%	480	3	1	COPPER	THREE SINGLE CONDUCTORS	STEEL	600V	242	1242	1	14,024	0.17	0.83	2,958	2.6%	471	466	X9

- NOTES:
1. ALL CALCULATIONS WERE DONE USING BUSMAN "POINT-TO-POINT" METHOD.
 2. LET THRU TAKEN FROM BUSMAN "CURRENT LIMITATION CURVES."
 3. ALL YELLOW SQUARES REQUIRE USER INPUT.
 4. VERIFY THAT THIS CELL REFERENCES THE CORRECT VALUE UPSTREAM OF THE EQUIPMENT.

KVA RATINGS	PRIMARY FLA	SECONDARY FLA	PRIMARY PROTECTION	PRIMARY FEEDER	SECONDARY PROTECTION	SECONDARY FEEDER	GROUNDING ELECTRODE CONDUCTOR (SEC)	TRANSFORMER IMPEDANCE	APPROX. DIMENSIONS	APPROX. WEIGHT	SPECIFIC NOTES
15	18.1	41.7	25A/3P	3#10, 1#1/0S, 3/4" C	50A/3P	4#6, 1#6S, 1-1/4" C	1#8, 3/4" C	2.88%	26 21.88 17.75	250LBS	
30	36.1	83.3	45A/3P	3#6, 1#1/0S, 1/4" C	100A/3P	4#1, 1#6S, 1-1/2" C	1#6, 3/4" C	2.56%	36.88 24.88 21.13	415LBS	
45	54.2	125.0	70A/3P	3#4, 1#6S, 1-1/4" C	150A/3P	4#1/0, 1#6S, 2" C	1#6, 3/4" C	3.44%	36.88 24.88 21.13	471LBS	
75	90.3	208.3	125A/3P	3#1, 1#6S, 1-1/2" C	250A/3P	4#250MCM, 1#2S, 3" C	1#2S, 3/4" C	3.21%	43 30.54 24	676LBS	
112.5	135.4	312.5	175A/3P	3#2/0, 1#6S, 2" C	400A/3P	2(4#3/0, 1#2S, 2-1/2" C)	1#2S, 3/4" C	3.63%	51 34.5 31.5	1263LBS	

- GENERAL NOTES:
- ALL TRANSFORMERS ARE 480V, 3PHASE, DELTA PRIMARY AND 208Y/120V, 3PHASE SECONDARY.
 - ALL CONDUCTORS ARE THIN COPPER. SEE PLANS FOR INCREASED CONDUCTOR SIZE DUE TO VOLTAGE DROP.
 - BONDING AND GROUNDING CONDUCTORS ARE TO BE INSTALLED PER NEC 250.30 - GROUNDING SEPARATELY DERIVED ALTERNATING CURRENT SYSTEMS.
 - HEIGHT SHOWN FOR REFERENCE ONLY, AND MAY VARY BY MANUFACTURER.
- SPECIFIC NOTES:
1. TRANSFORMER IMPEDANCE IS THE ASSUMED VALUE AND IS USED FOR FAULT-CURRENT CALCULATIONS. IF SUBMITTED TRANSFORMER IS OF A DIFFERENT VALUE, REVISED CALCULATIONS MAY BE REQUIRED.
 2. EG TO FIELD VERIFY HEIGHTS OF NON DOE 2016 AS THEY MAY VARY BY MANUFACTURER.

GENERAL NOTES	
A.	ALL EQUIPMENT DENOTED AS (E) SHALL BE EXISTING TO REMAIN. ALL EQUIPMENT DENOTED (RL) SHALL BE RELOCATED. ALL EQUIPMENT DENOTED (N) SHALL BE NEW. REFER TO ELECTRICAL SITE PLANS FOR ADDITIONAL INFORMATION.
B.	EXISTING INFORMATION IS BASED ON DATA COLLECTED FROM RECENT SITE SURVEYING AND INFORMATION PROVIDED BY OWNER. THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS PRIOR TO COMMENCING WORK.
C.	CONTRACTOR SHALL CONFIRM THAT INSTALLATION OF ALUMINUM CONDUCTORS FOR DISTRIBUTION WIRING RATED 100-AMPS AND LARGER IS ACCEPTABLE WITH OWNER PRIOR TO COMMENCING WORK. ALL ALUMINUM WIRING TERMINATIONS SHALL BE MADE WITH APPROPRIATE CONNECTORS, HARDWARE AND OTHER MATERIALS AND COMPONENTS LISTED AND RATED FOR ALUMINUM WIRING CONNECTIONS AS REQUIRED PER NEC. ALUMINUM WIRING AND TERMINATIONS SHALL BE INSTALLED ACCORDING TO LATEST NECA/IAA-104 STANDARDS AND REQUIREMENTS. SEE ONE-LINE DIAGRAM AND ALUMINUM FEEDER SCHEDULE FOR SPECIFIED ALUMINUM FEEDERS.



2 ELECTRICAL ONE-LINE DIAGRAM - CPX
E601 SCALE: NO SCALE



NOTICE-DUTY OF COOPERATION

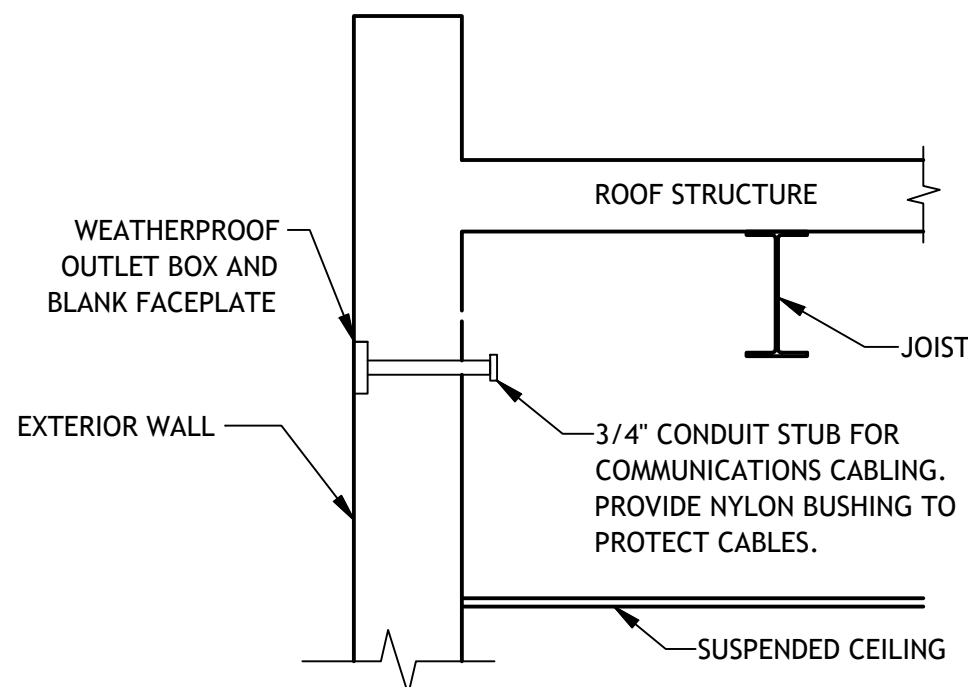
Release of these plans contemplates further cooperation among the owner, his contractor and the architect. Design and construction are complex. Although the architect and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Construction is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds misunderstanding and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for the consequences. Changes made from the plans without consent of the architect are unauthorized and shall relieve the architect of responsibility for all consequences arising out of such changes.

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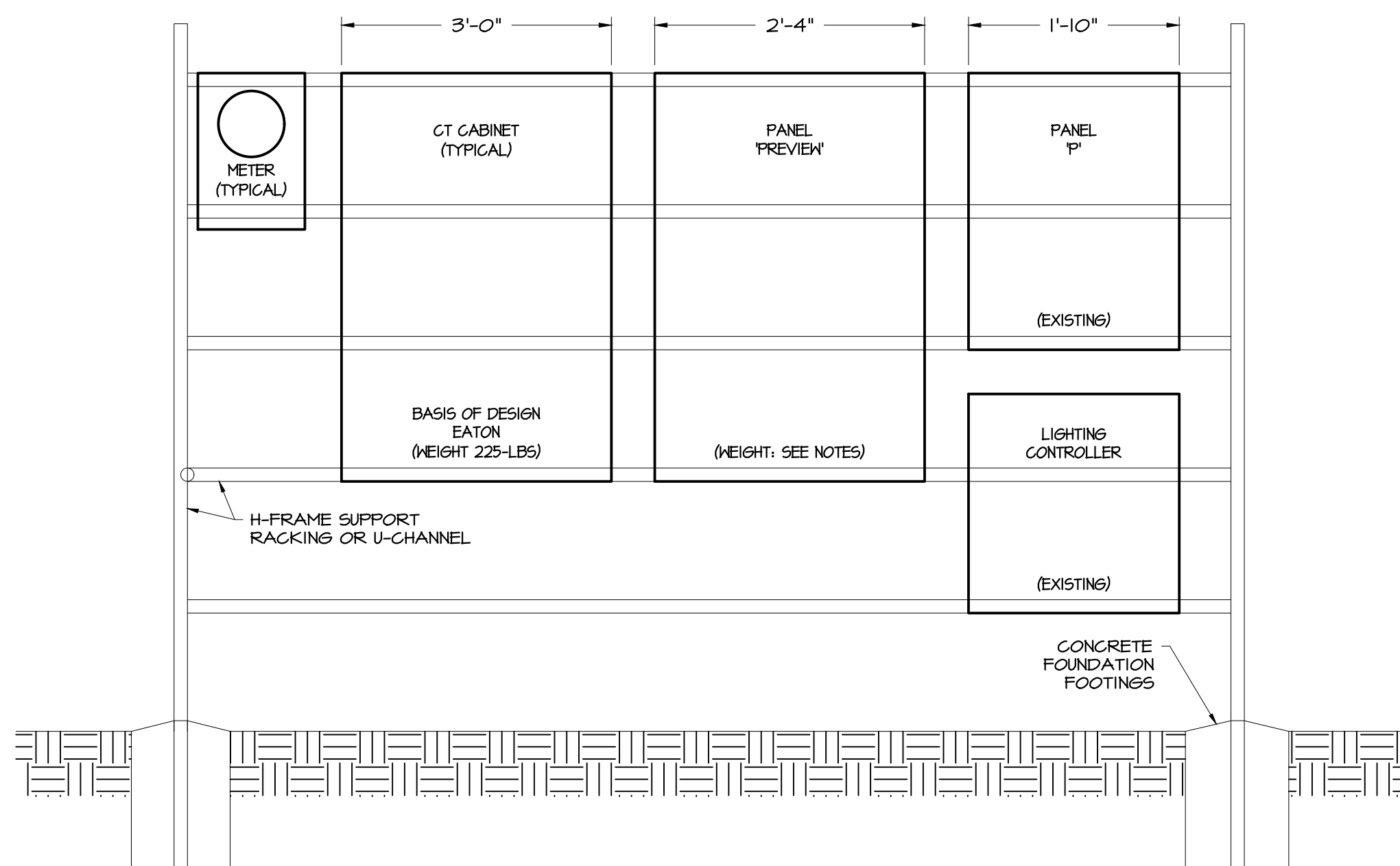
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OWNER EQUIPMENT SCHEDULE									
KEY	DESCRIPTION	VOLTS	PH	LOAD HP/VA	MCCB/ MPS	BRANCH CIRCUIT (WIRE AND CONDUIT)	DISCONNECT	CIRCUIT NUMBER	NOTES
S-1	SNOWMAKING GUN NEW	480	3	30KVA	60A/3P	#4#, 1B&G, 1-1/2" C	INTEGRAL 60A/3P BY MANUF.	SEE PANEL SCHEDULE	1,2
S-2	SNOWMAKING GUN NEW	480	3	30KVA	60A/3P	#4#, 1B&G, 1-1/2" C	INTEGRAL 60A/3P BY MANUF.	SEE PANEL SCHEDULE	1,2
S-3	SNOWMAKING GUN NEW	480	3	30KVA	60A/3P	#4#, 1B&G, 1-1/2" C	INTEGRAL 60A/3P BY MANUF.	SEE PANEL SCHEDULE	1,2
S-4	SNOWMAKING GUN NEW	480	3	30KVA	60A/3P	#4#, 1B&G, 1-1/2" C	INTEGRAL 60A/3P BY MANUF.	SEE PANEL SCHEDULE	1,2
S-5	SNOWMAKING GUN (FUTURE)	480	3	30KVA	60A/3P	#4#, 1B&G, 1-1/2" C (FUTURE)	INTEGRAL 60A/3P BY MANUF. (FUTURE)	SEE PANEL SCHEDULE (FUTURE)	1,2
GENERAL NOTES:									
A. ALL CONDUCTORS ARE COPPER UNLESS OTHERWISE NOTED.									
B. PRIOR TO ROUGH-IN, REFER TO OWNER EQUIPMENT SHOP DRAWINGS FOR FINAL CONNECTION REQUIREMENTS INCLUDING ROUGH-IN HEIGHTS AND LOCATIONS, SPECIFIC POWER REQUIREMENTS, AND RECEPTACLE NEMA CONFIGURATIONS.									
C. PROVIDE ALL 120V CONTROL WIRING, REFER TO SPECIFICATIONS FOR FURTHER CONTROL WIRING CLARIFICATION.									
D. EXTERIOR DISCONNECT SWITCHES ARE TO BE PROVIDED AS NEMA 3R EQUIPMENT UNLESS OTHERWISE NOTED.									
E. ALL EQUIPMENT INDUSTRIAL CONTROL PANELS SHALL BE MARKED IN COMPLIANCE WITH NEC 409.110. ALL MOTOR CONTROLLERS AND MOTOR CONTROL CENTERS SHALL BE MARKED IN COMPLIANCE WITH NEC 430.8 AND 430.9B. ALL AIR BREAKERS SHALL BE MARKED IN COMPLIANCE WITH NEC 240.83. PRIOR TO INSTALLATION, THE EC SHALL VERIFY THAT ALL EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL LISTED SHORT CIRCUIT CURRENT RATINGS AND MARKINGS AS REQUIRED PER THE CODE.									
F. EC TO PROVIDE HAND/OFF/AUTO STARTERS FOR ALL MOTORS WHEN NOT INDICATED AS TO BE PROVIDED BY THE MECHANICAL CONTRACTOR ON THE MECHANICAL PLANS - SIZE OF STARTER TO BE BASED UPON SIZE OF MOTOR HORSEPOWER INDICATED.									
SPECIFIC NOTES:									
1. SNOWMAKING GUNS PROVIDED WITH DEDICATED CIRCUIT. REFER TO PANEL SCHEDULES FOR MORE INFORMATION.									
2. EC SHALL COORDINATE EXACT EQUIPMENT CONNECTION REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO COMMENCING WORK. EACH SNOWMAKING GUN TO BE PROVIDED WITH INTEGRAL 60-AMP CIRCUIT BREAKER DISCONNECT BY MANUFACTURER.									
2. FEEDER UPSIZED DUE TO VOLTAGE DROP.									



2	CAMERA EXTERIOR WALL MOUNTING DETAIL
E610	SCALE: N.T.S.


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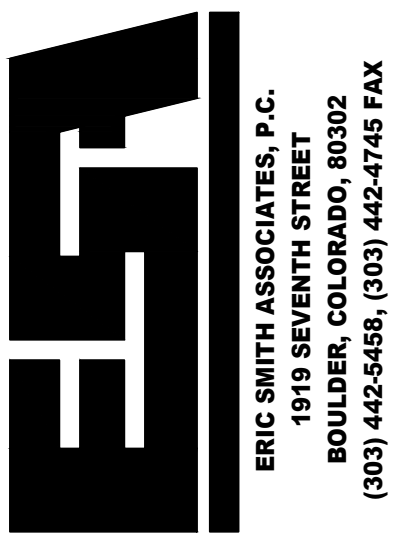
1	ELECTRICAL H-FRAME DETAIL 'FRONT'
E610	SCALE: N.T.S.

GENERAL NOTES

- A. ELECTRICAL EQUIPMENT SIZES AND INFORMATION INDICATED ARE APPROXIMATE PER SIMILAR PRODUCT/EQUIPMENT SIZING. CONTRACTOR SHALL VERIFY EXISTING ELECTRICAL HEIGHTS IN FIELD AS REQUIRED FOR ALL RELOCATED AND RE-USED ELECTRICAL GT CABINETS, PANELS AND LIGHTING RELAY CONTROLLERS. ASSIGNMENT INDICATED FOR EACH PURPOSES ONLY. CONTRACTOR SHALL COORDINATE EXACT INSTALLATION WITH FIELD VERIFIED EQUIPMENT DIMENSIONS, HEIGHTS, AND REQUIREMENTS PRIOR TO COMMENCING WORK. REFER TO ELECTRICAL PLANS AND ONE-LINE DIAGRAM FOR SPECIFIC EQUIPMENT QUANTITIES AND SIZES/REQUIREMENTS.
- B. CONTRACTOR SHALL PROVIDE ALL H-FRAME STRUCTURAL SUPPORTS, U-CHANNELING, RACKING, AND/OR FOUNDATIONS AS REQUIRED TO MOUNT ELECTRICAL EQUIPMENT. CONTRACTOR SHALL INCLUDE DESIGN-BUILD SERVICES AND SCOPE AS REQUIRED TO PROVIDE STRUCTURAL SUPPORT SYSTEMS FOR ELECTRICAL EQUIPMENT. CONTRACTOR SHALL DETERMINE ALL REQUIRED SUPPORT STRUCTURAL SPECIFICATIONS AND INSTALLATION REQUIREMENTS INCLUDING OVERALL RACKING DIMENSIONS, SPACING, CONNECTIONS, FOUNDATIONS, FOOTINGS, AND MATERIAL SPECIFICATIONS AND STRENGTH CHARACTERISTICS AS NECESSARY FOR COMPLETE INSTALLATION. CONTRACTOR SHALL PROVIDE ANY STRUCTURAL DETAILS AND SHOP DRAWINGS FOR CONSTRUCTION, INSTALLATION, OR INSPECTIONS/APPROVALS (IF REQUIRED).
- C. PANEL/BOARDS AND DISCONNECT SWITCHES() MOUNTING HEIGHTS SHALL COMPLY WITH NEC REQUIREMENTS FOR MAXIMUM CIRCUIT BREAKER OR SWITCH HANDLE HEIGHT ABOVE FINISHED GRADE (6'-1") FOR ACCESS OPERATION PER NEC ARTICLE 404.8.

		35717 6/24/2022 CONVEYANCE
NOTICE OF WORK OF COOPERATION <p> Release of these plans contemplates further cooperation by the owner, his agents and the architect. Design and construction are complex. Although the architect and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds misunderstanding and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for the consequences. Changes made from the plans without consent of the architect are unauthorized and shall relieve the architect of responsibility for all consequences arising out of such changes. </p> <p> All design, documents and data prepared by Eric Smith Associates, P.C. as instruments of service shall remain property of Eric Smith Associates, P.C. and shall not be copied, changed or disclosed in any form whatsoever without first obtaining the express written consent of Eric Smith Associates, P.C. </p> <p style="text-align: center;">Eric Smith Associates, P.C.</p>		
REVISIONS		
1	RLD0 PERMIT REVY	4/27/2022
2	ASI#1	6/21/2022

**SSRC CHRISTIE PEAK
EXPRESS CHAIRLIFT
LOWER TERMINAL & MID-STATION
STEAMBOAT SPRINGS, CO**



Job Number:	20037.00
Date:	6/10/22
Drawn By:	ENM, SPM
Checked By:	IPK

Project Phase
CONSTRUCTION DOCUMENTS
Sheet Title
ELECTRICAL SCHEDULES
Sheet Number
E610

REVIEWED FOR CODE COMPLIANCE 07/06/2022

AE DESIGN 
Integrated Lighting and Electrical Solutions
1900 Wazee Street #205 | Denver, CO 80202 | 303.296.3034
aedesign-inc.com Project #:5377.00