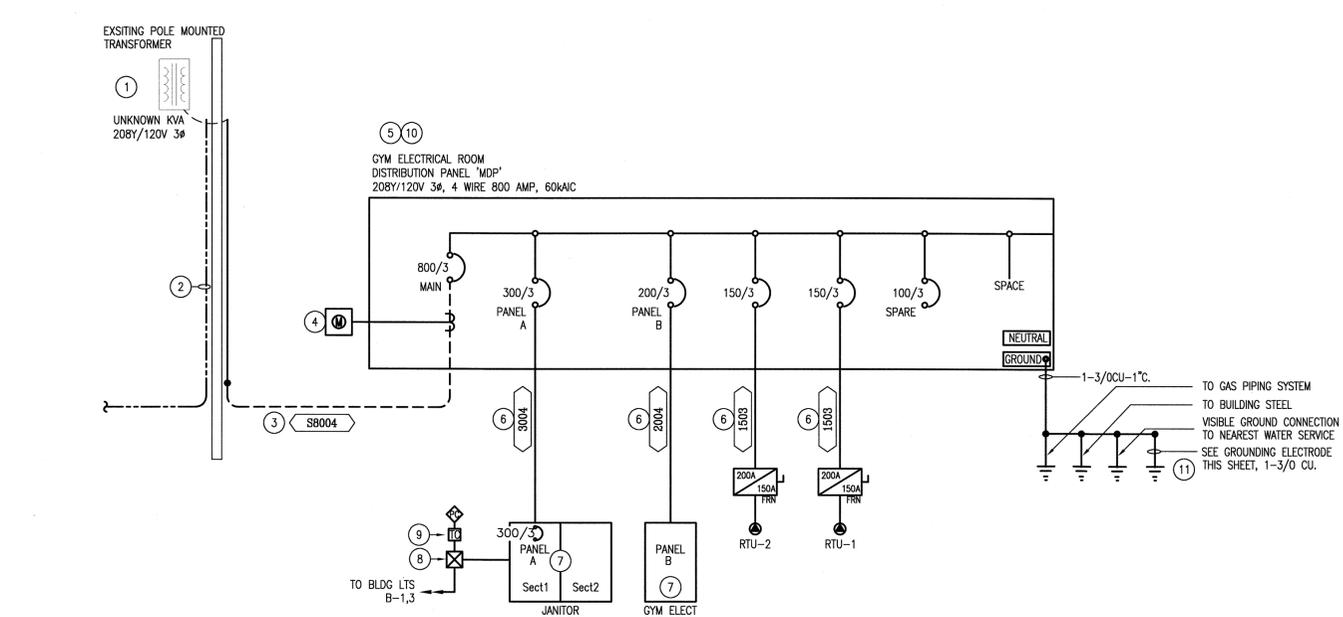


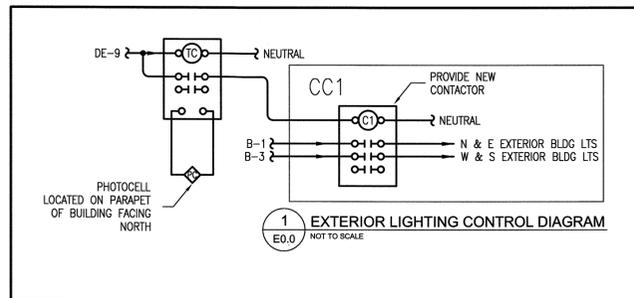
ELECTRICAL SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
○ OR □	RECESSED CEILING LIGHT FIXTURE
○	WALL LIGHT FIXTURE
⊗	RECESSED FIXTURE
⊗	EMERGENCY EGRESS RECESSED FIXTURE
▭	STRIP LIGHT FIXTURE
▭	EMERGENCY EGRESS FIXTURE
▭	STANDBY LIGHTING FIXTURE
□	EXTERIOR WALLPACK FIXTURE
○	HI-BAY LIGHT FIXTURE
S	SINGLE POLE SWITCH
St	THREE WAY SWITCH
Sw	MOTOR RATED SWITCH
Sms	MOTION SENSOR SWITCH
Sos	OCCUPANCY SENSOR SWITCH
St	TIMER SWITCH
SsSs	DESIGNATED SWITCH
□	DISCONNECT
□	COMBINATION DISCONNECT/STARTER
○	SIMPLEX OUTLET
○	SIMPLEX PENDANT OUTLET
○	DUPLEX CONVENIENCE OUTLET
○	CEILING MOUNT OUTLET TYPE AS INDICATED
○	GROUND FAULT INTERRUPTER RECEPTACLE
○	WEATHERPROOF RECEPTACLE
○	ISOLATED GROUND, SURGE SUPPRESSION RECEPTACLE
○	ISOLATED GROUND RECEPTACLE
○	QUADRAPLEX OUTLET
○	SPECIAL PURPOSE OUTLET, MATCH RECEPTACLE TO 'NEMA' PATTERN OF EQUIPMENT
○	DIRECT CONNECTION
○	FLOOR OUTLET
○	CONDUIT UP
○	CONDUIT DOWN
(D)	DENOTES DEMO CIRCUIT BACK TO SOURCE
(E)	DENOTES EXISTING
(N)	DENOTES NEW
(R)	DENOTES RELOCATED
(SC)	DENOTES SHARED CIRCUIT
UNO	UNLESS NOTED OTHERWISE
F	FAX
#	TELEPHONE W/ 3/4" C. TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED. P=PAY PHONE, W=WALL MOUNT +48", # INDICATES ADDRESS OR NUMBER
#	COMBINATION TELE/DATA OUTLET WITH 3/4" C. TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED. # INDICATES ADDRESS OR NUMBER COORDINATE EXACT REQUIREMENTS WITH NETWORK SERVICES
#	DATA OUTLET W/CONDUIT, # INDICATES ADDRESS OR NUMBER COORDINATE EXACT REQUIREMENTS WITH NETWORK SERVICES
#	TELEPHONE TERMINAL BOARD
■	PANELBOARD
○	PHOTOCELL: TORK NO. 2101,(120V) TORK NO. 2104,(277V)
○	MOTION SENSOR
○	JUNCTION BOX
○	MOTOR CONNECTION
○	CONTROL OR ETHERNET PANEL
○	PLUGMOLD STRIP, SIZE AND TYPE AS INDICATED
▲	TRANSFORMER
OS	OCCUPANCY SENSOR, CEILING MOUNT
OSH	OCCUPANCY SENSOR, WALL MOUNT
123	ARCHITECTURAL ROOM NO.
AC	ABOVE COUNTER
DC	DROP CORD
—	SOLID HEAVY LINE INDICATES RACEWAY AND/OR CONDUCTORS ABOVE FINISHED FLOOR.
- - -	DASH HEAVY LINE INDICATES RACEWAY AND/OR CONDUCTORS BELOW FINISHED FLOOR.
EF	MECHANICAL EQUIPMENT NO.
ESD	DETAIL NUMBER CALLOUT

TRANSFORMER GROUNDING	
KVA	GROUND WIRE SIZE
15	#8 CU
30	#8 CU
45	#6 CU
75	#6 CU
112.5	#2 CU
150	#1/0 CU
200	#1/0 CU
225	#2/0 CU
300	#3/0 CU
400	#3/0 CU
500	#3/0 CU
750	#3/0 CU

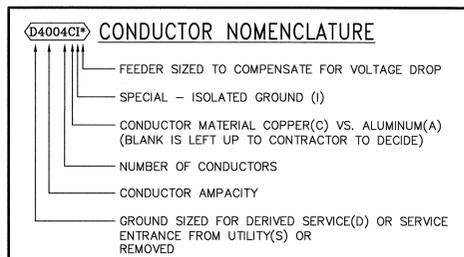
LEGEND	
---	TO BE DEMO'D
---	EXISTING TO REMAIN
---	RELOCATED
---	NEW



ONE LINE DIAGRAM
NOT TO SCALE



EXTERIOR LIGHTING CONTROL DIAGRAM
E0.0 NOT TO SCALE



LOCAL AND STATE BUILDING CODES

THE ELECTRICAL AND GENERAL CONTRACTOR SHALL REMAIN RESPONSIBLE TO MEET ALL MINIMUM CODE REQUIREMENTS FOR THE CITY OF COUNCIL, ADAMS COUNTY, HEALTH DEPARTMENT AND STATE OF IDAHO, INCLUDING BUT NOT LIMITED TO:

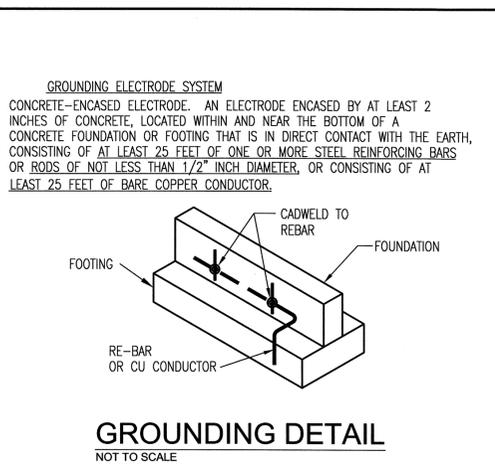
- 2003 INTERNATIONAL BUILDING CODE (IBC)
- 2012 INTERNATIONAL FIRE CODE (IFC)
- 2014 NATIONAL ELECTRICAL CODE (NEC)
- 2012 UNIFORM PLUMBING CODE (UPC)
- 2012 INTERNATIONAL MECHANICAL CODE (IMC)
- 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

THE ELECTRICAL CONTRACTOR AND GENERAL CONTRACTOR SHALL VERIFY ALL CODE REQUIREMENTS AND ORDINANCES PRIOR TO BID. THE FOLLOWING WEBSITE LISTS RELATIVE CODES WITH LINKS TO AMENDMENTS FOR THE CITY OF COUNCIL, ID: [HTTP://CO.ADAMS.ID.US/](http://co.adams.id.us/)

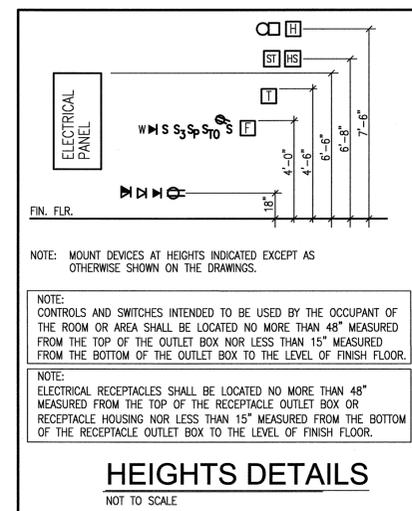
FEEDER SCHEDULE					
BRKR/COND	FEEDER	NUMBER	CONDUIT AND FEEDERS WITH COPPER CONDUCTORS	CONDUIT AND FEEDERS WITH ALUMINUM CONDUCTORS	
1503	3	150	(1) 1-1/2" C WITH 3-10CU, 1-6CU GND	(1) 2" C WITH 3-36(AL), 1-6CU GND	
2004	3	200	(1) 2" C WITH 3-30CU, 1-30CU NEU, 1-6CU GND	(1) 2-1/2" C WITH 3-250MCM(AL), 1-250MCM(AL) NEU, 1-6CU GND	
3004	3	310	(1) 3" C WITH 3-350MCM(CU), 1-350MCM(CU) NEU, 1-4CU GND	(1) 3-1/2" C WITH 3-500MCM(AL), 1-500MCM(AL) NEU, 1-4CU GND	
5004	3	820	(3) 2-1/2" C EACH WITH 3-300MCM(CU), 1-300MCM(CU) NEU	(4) 2-1/2" C EACH WITH 3-250MCM(AL), 1-250MCM(AL) NEU	

NOTE: SIZING METHOD : #14,12,10 CONDUCTORS PER 60 DEGREE COLUMN IN NEC 310.16. #8 CONDUCTORS AND LARGER ARE PER 75 DEGREE COLUMN IN NEC 310.16.

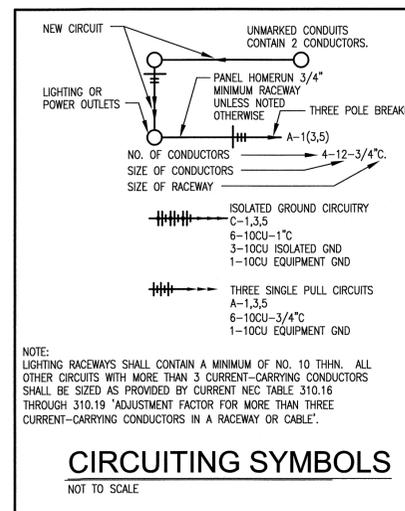
- D - PREFIX INDICATED SEPARATELY DERIVED FEEDER
- S - PREFIX INDICATED SERVICE FEEDER
- C - AFFIX INDICATED COPPER FEEDER ONLY
- I - AFFIX INDICATED ISOLATED GROUND FEEDER



GROUNDING DETAIL
NOT TO SCALE



HEIGHTS DETAILS
NOT TO SCALE



CIRCUITING SYMBOLS
NOT TO SCALE

ELECTRICAL SHEET INDEX:

E0.0	ELECTRICAL GENERAL NOTES / LEGEND / ONE LINE DIAGRAM
E0.1	ELECTRICAL ENERGY COMPLIANCE
E1.1	ELECTRICAL PLAN-OFFICES & KITCHEN
E1.2	ELECTRICAL PLAN-GYM
E2.1	ELECTRICAL HVAC PLAN-OFFICES
E2.2	ELECTRICAL HVAC PLAN-GYM
E3.1	LIGHTING PLAN-OFFICES
E3.2	LIGHTING PLAN-GYM
E4.0	PANEL SCHEDULES

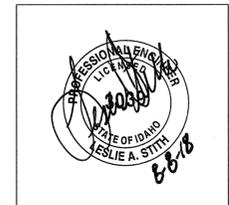
GENERAL POWER NOTES:

- DESIGN IS BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO THE SCOPE OF WORK AS SHOWN ON THESE PLANS. LACK OF CONTRACTOR VERIFICATION WILL NOT CONSTITUTE REQUEST FOR CHANGE ORDERS.
- ELECTRICAL CONTRACTOR TO COORDINATE ALL WORK WITH RELATED TRADES.
- ELECTRICAL CONTRACTOR SHALL PROVIDE NEW UPDATED TYPED DIRECTORIES FOR ALL PANELS TO INCLUDE DESCRIPTION AND LOADS OF EACH CIRCUIT.
- ELECTRICAL CONTRACTOR TO PROVIDE NEW CONDUCTORS AND RACEWAYS.
- REFER TO PROVIDED SPECIFICATIONS FOR MATERIALS AND INSTALLATION INSTRUCTIONS.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ARC FLASH STUDIES AND ARC FLASH LABELING AS REQUIRED.
- ALL INSTALLATION SHOULD BE IN ACCORDANCE WITH THE LATEST NEC CODE.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ANY EXPOSED AND DAMAGED CONDUCTORS DUE TO IMPROPER INSTALLATION.

KEY NOTES:

- EXISTING UTILITY POWER POLE WITH POLE MOUNTED TRANSFORMER. ELECTRICAL CONTRACTOR TO COORDINATE WITH IDAHO POWER COMPANY (IPC) FOR EXISTING TRANSFORMER SIZE AND FEEDER REQUIREMENTS. PROVIDE NEW FEEDER TO NEW PROJECT BUILDING. COORDINATE WITH IPC IF NEW TRANSFORMER IS REQUIRED. ELECTRICAL CONTRACTOR TO COORDINATE WITH UTILITY COMPANY IPC AND GET CURRENT AIC GROUND FAULT CURRENT AND PROVIDE AIC GROUND FAULT CALCULATIONS FOR NEW DISTRIBUTION PANEL AND PANELS.
- DISCONNECT AND REMOVE EXISTING UTILITY FEEDER TO OLD BUILDING. ELECTRICAL CONTRACTOR TO COORDINATE WITH UTILITY COMPANY IPC.
- PROVIDE NEW UTILITY FEEDER FROM UTILITY POLE TO NEW MAIN DISTRIBUTION PANEL. COORDINATE WITH UTILITY COMPANY IPC.
- PROVIDE NEW METER SOCKET BASE PER UTILITY COMPANY STANDARDS AND REQUIREMENTS (IPC). COORDINATE LOCATION AND INSTALLATION WITH UTILITY COMPANY (IPC).
- PROVIDE NEW MAIN DISTRIBUTION PANEL SIZED AS INDICATED AND PER SPECIFICATIONS. PROVIDE NEW PHENOLIC LABELS FOR PANEL. MOUNT PANEL AT NEC CODE REQUIRED HEIGHT.
- NEW FEEDER, PROVIDE CONDUIT AND CONDUCTORS AS INDICATED.
- PROVIDE NEW PANEL (REFER TO PANEL SCHEDULES ON SHEET E4.0).
- ELECTRICAL CONTRACTOR TO PROVIDE CONTACTOR ENCLOSURE (CC1) WITH CONTACTORS TO BE CONTROLLED BY TIMECLOCK. CAPABLE OF CONTROLLING EXTERIOR (2) CIRCUITS. SEE DETAIL 1 ON THIS SHEET AND PANEL SCHEDULES, SHEET E4.0 FOR CIRCUITS CONTROLLED.
- PROVIDE AND INSTALL INTERMATIC MODEL ET8215C DUAL CONTROLLED OUTPUT OR EQUIVALENT TIMECLOCK WITH PHOTOCELL CONTROL FOR EXTERIOR/SITE LIGHTING CONTROL.
- ELECTRICAL CONTRACTOR TO MAKE CONTACT WITH UTILITY ENGINEER TO GET AIC RATING AND PROVIDE LABEL ON MAIN SWITCH GEAR FOR AIC RATING PER NEC CODE 110.24.
- PROVIDE GROUND TO EQUIPMENT GROUND, WATER PIPE, GAS PIPE AND BUILDING STEEL PER NEC CODE.

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ADAMS COUNTY COMMUNITY CENTER
MICHIGAN STREET
COUNCIL, IDAHO

99U05
Date: 8/8/2018
Drawn By: JRR/KSL
Checked By: STJ
Revisions
▲
▲
▲
▲

E0.0
COVER SHEET/SYMBOLS

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