ATTACHMENT B

FINISH SCHEDULE

ROOMS		FLOORS					
Number	Name	Floor Finish	Wall Material	Wall Finish	Ceiling Material	Ceiling Finish	Comments
100	ENTRY	CONCRETE SEALER	CMU	GRAFFITI GUARD	T & G CEDAR	STAIN	
101	WOMEN	CONCRETE SEALER	CMU	PAINT	GROOVED PLYWOOD	STAIN	
102	MEN	CONCRETE SEALER	CMU	PAINT	GROOVED PLYWOOD	STAIN	
103	CHASE	CONCRETE SEALER	CMU	PAINT	GROOVED PLYWOOD	STAIN	
104	SHELTER	CONCRETE SEALER	CMU	GRAFFITI GUARD	T & G CEDAR	STAIN	
105	GARAGE	CONCRETE SEALER	CMU	PAINT	GROOVED PLYWOOD	STAIN	

EXTERIOR FINISHES

COLORED CMU 01	8x8x16 INTEGRAL COLORED, HONED CMU - "BUFF" COLOR BY BRICKYARD CO., OR EQUAL
COLORED CMU 02	8x8x16 INTEGRAL COLORED, HONED CMU - "MT. GARFIELD" COLOR BY BRICKYARD CO., OR EQUAL
METAL ROOFING	COLOR MATCHING MBCI "KOKO BROWN" OR "MEDIUM BRONZE" OR EQUAL COLOR AS APPROVED
PAINT	COLOR TO MATCH METAL ROOFING COLOR AS APPROVED, SIMILAR TO SHERWIN WILLIAMS SW0037 "STURDY BROWN"
STAIN	AS SELECTED FROM MANUFACTURER'S FULL RANGE OF COLORS

DOOR SCHEDULE

	Door Dimensions			Door		Frame		Hardware Set	Comments
Number	WD	HGT	THK	Material	Finish	Material	Finish		
101A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	HM	PAINT		INSULATED WITH 4" FRAME HEAD
102A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	HM	PAINT		INSULATED WITH 4" FRAME HEAD
103A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	HM	PAINT		INSULATED WITH 4" FRAME HEAD
105A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	HM	PAINT		INSULATED WITH 4" FRAME HEAD
105B	9' - 0"	9' - 0"	2"						
105C	8' - 0"	9' - 0"	2"						
105D	9' - 0"	9' - 0"	2"						

FLOOR PLAN KEYNOTES [#] — CJ = SIDEWALK CONTROL JOINT

1. TOP OF INTERIOR CONCRETE SLAB AT +100'-0", TOP OF EXTERIOR CONCRETE SLAB AT 1/2" BELOW INTERIOR CONCRETE SLAB AT DOOR, TYPICAL

CODE ANALYSIS

APPLICABLE CODES

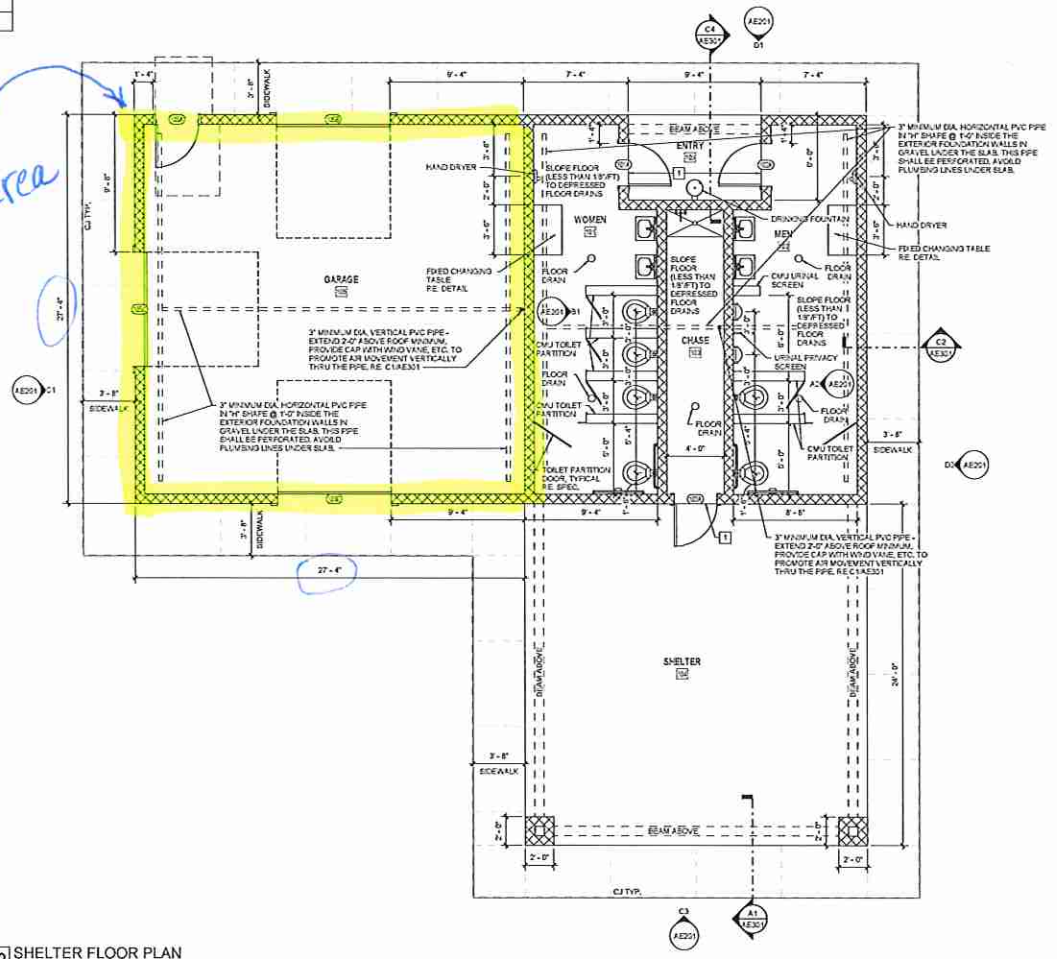
	Year		Year
International Building Code	2015	National Electrical Code	2014
International Mechanical Code	2015	Uniform Code for	
International Plumbing Code	2015	Building Conservation	
International Fire Code	2015	ADA Accessibility	
International Energy Conservation Code	2015	Guidelines	2010

A. Occupancy: GROUP B

B. Type of Construction (circle one):

I A | I B | II A | II B | III A | III B | IV HT | V A | V B

C: Total Interior Floor Area: 1,944 SF



A2 SHELTER FLOOR PLAN
1/4" = 1'-0"

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project:
Grand Junction Park Restrooms Large

project#: 18.060
date: 23 February 2019

revisions:

title:
Floor Plan

sheet:
AE101

SHEET KEYNOTES

1 EXTERIOR RECEPTACLES AND PLUG COVERS SHALL BE WEATHERPROOF TO COMPLY WITH NEC REQUIREMENTS. THEY SHALL BE MORTARBOX TYPE, FLUSH MOUNTED AND LOCKABLE. ALL EXTERIOR RECEPTACLE AND PLUG COVERS SHALL BE OPENED BY A SINGLE KEY. EXTERIOR RECEPTACLE AND PLUG COVERS SHALL BE MADE OF HEAVY-DUTY CAST ALUMINUM. COORDINATE COLOR WITH THE ARCHITECT/OWNER. INSTALL CONDUITS FEEDING THE SHELTER AREA RECEPTACLES UNDER THE FLOOR SLAB.

2 PROVIDE ELECTRICAL CONNECTIONS TO FAUCET AND FLUSH VALVES. COORDINATE EXACT LOCATION WITH THE PLUMBING INSTALLERS. ALL CONNECTIONS AND CONDUITS SHALL BE RECESSED AND ACCESSIBLE ONLY IN THE PLUMBING CHASE.

3 PROVIDE ELECTRICAL CONNECTIONS TO HAND DRYERS. CIRCUIT WITH 2#10, #10G IN 0.75" CONDUIT. COORDINATE EXACT LOCATION WITH INSTALLERS PRIOR TO ROUGH-IN.

4 PROVIDE LIGHTING CONTACTOR PANEL WITH ASTRONOMICAL CLOCK OR EXTERIOR RATED ROOM CONTROLLER WITH ASTRONOMICAL CLOCK FOR LIGHTING CONTROL. COORDINATE PROGRAMMING OF THE LIGHTING WITH THE OWNER.

5 STUB (3) 1" PVC CONDUITS AND (4) 2" PVC CONDUITS FROM PAVEBREAKS LOCATION TO 5' BEYOND ADJACENT CONCRETE. MARK GPS COORDINATES OF CONDUITS ON RECORD DRAWINGS FOR FUTURE USE.

6 PROVIDE VANDAL RESISTENT OCCUPANCY SENSOR. MOUNT SENSOR AS HIGH AS POSSIBLE TO AVOID VANDALISM. PROVIDE SENSOR WITH AUXILIARY RELAY. CONNECT AUXILIARY RELAY TO EXHAUST FAN FOR CONTROL.

7 MOUNT FIXTURE AT 10'-4".

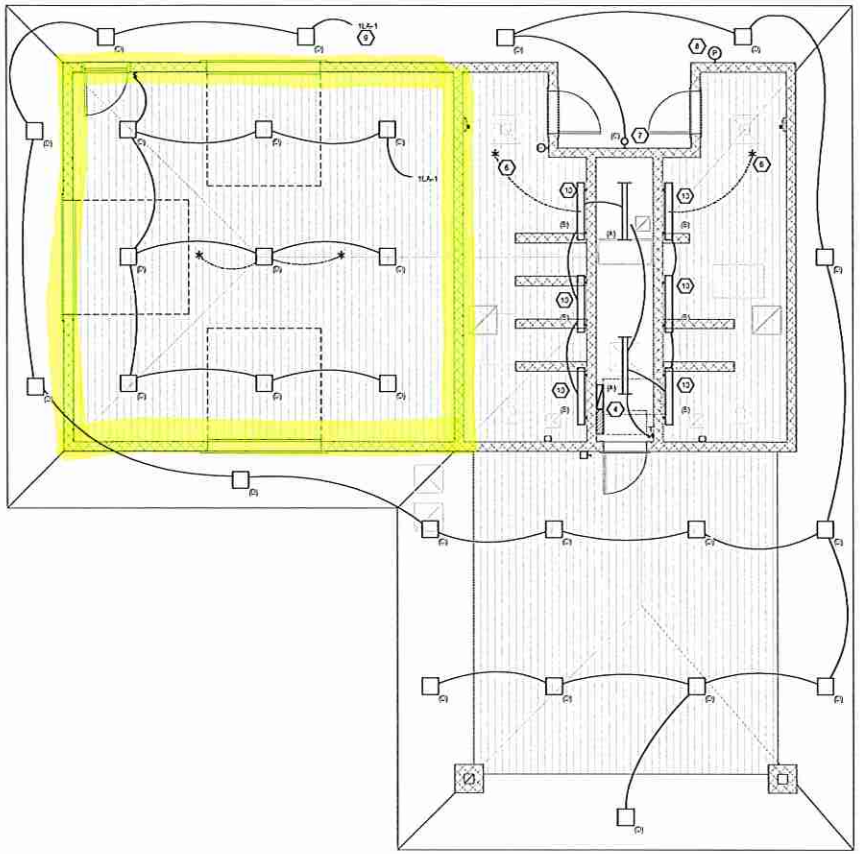
SHEET KEYNOTES

8 PROVIDE EXTERIOR RATED PHOTOCELL, FRECESION #T-168 OR APPROVED EQUIVALENT.

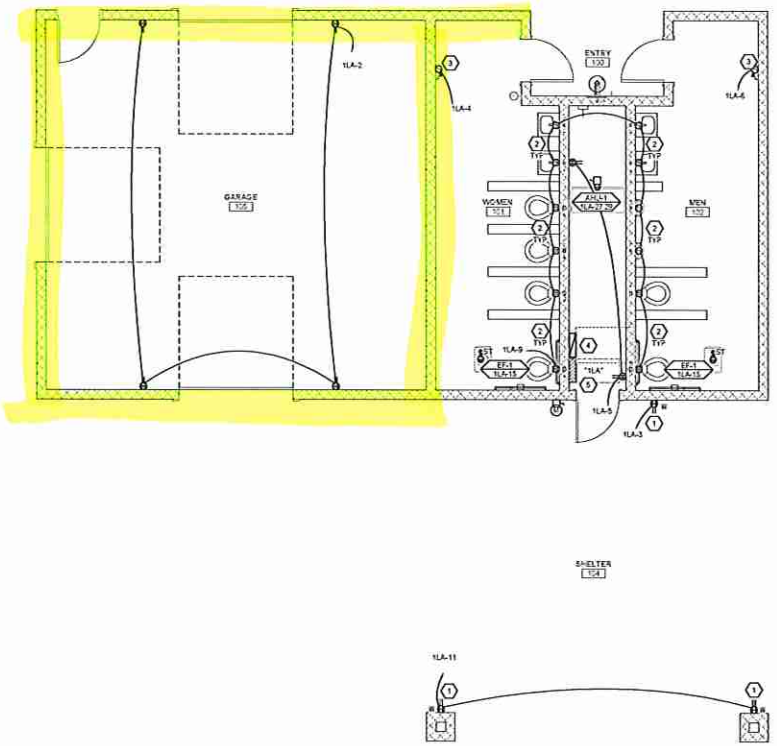
9 CIRCUIT THROUGH LIGHTING CONTROLLER. COORDINATE PROGRAMMING WITH THE OWNER.

10 MOUNT FIXTURES WITH THE TOP OF THE FIXTURE TIGHT AGAINST THE CEILING.

GENERAL SHEET NOTES



A1 LEVEL 1 LIGHTING PLAN
SCALE 1/4" = 1'-0"



A3 LEVEL 1 POWER PLAN
SCALE 1/4" = 1'-0"

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Grand Junction Park Restrooms Large

project#: 18.059
date:

revisions:

title:
ELECTRICAL PLANS

sheet:
EE101

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INTERIOR LIGHTING FIXTURE SCHEDULE

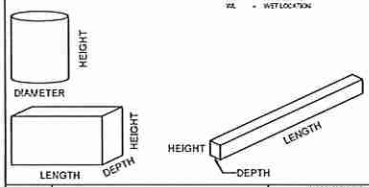
ABBREVIATIONS

MOUNTING

B - BASE
C - CEILING
F - FLANGE
G - GRID
P - PENDANT
PL - POLE
R - RECESSED
S - SURFACE
W - WALL

LUMINAIRE OPTIONS

ARHR - ANTI REFLECTIVE AND HEAT REJECTION
EL - EXIT LOCATION
EQC - EARTHQUAKE CLIPS
F - FUSED
HLD - HINGED AND LATCHED DOOR
HS - HOUSE SIDE SHIELD
PE - PHOTOCELL SWITCH
QRS - QUARTZ RESTRIKE
ST - STATIC
WG - WIRE GUARD
WL - WET LOCATION



FINISH

MW - MATTE WHITE
BL - BLACK
SL - SILVER
GL - GOLD
CL - CLEAR
PW - PAINTED WHITE
EA - ANTI-LACED ALUMINUM
S - STEEL
GS - GALVANIZED STEEL
C - CAST
CBA - COLOR BY ARCHITECT
SCBA - STANDARD COLOR BY ARCHITECT
CCA - CUSTOM COLOR BY ARCHITECT
FS - MEETS FEDERAL STANDARD 595D
TP - THERMALLY PROTECTED
FL - FLUSH
R - RECESS
M - MITERED

DIFFUSER/LENS

AA - ACRYLIC ATTACK
ACA - ACRYLIC ATTACK (OPAL)
CC - GLASS (CLEAR)
CO - GLASS (OPAL)
GF - GLASS (FROSTED)
EGL - EGFT GLOW LENS
HPL - HIGH PERFORMANCE LENS
OD - DROP OPAL
OGL - COOLER GLASS LENS
S - SATIN LENS

REFLECTOR

OP - NON-SPEC
SP - SPECULAR
SS - SEMI-SPECULAR
D - DIFFUSE (WHITE ENAMEL)
SC - SPECULAR (COLOR ET)
FR - FRESNATIC
FDR - FULL DEPTH REFLECTOR
DS - DIFFUSE (SEMI SPECULAR) SILVER
LI - LOW IRIDESCENT
IR - IRIDESCENT
SL - SILVER
GL - GOLD
CA - CLEAR ALZAK

NOTES

GENERAL NOTES

1. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EXPOSE THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER.
2. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED. CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.
3. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
4. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
5. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
6. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
7. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
8. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, DRIVERS, AND LAMPS.
9. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.

ID	DESCRIPTION	NOMINAL SIZE LENGTH	NOMINAL SIZE DEPTH	NOMINAL SIZE HEIGHT	NOMINAL SIZE DIAMETER/APERTURE	MOUNTING	LIGHT TYPE	COLOR TEMP	CRI	DRIVER CONFIGURATION	VOLTAGE	WATTS	FINISH	FIXTURE LUMENS	DIFFUSER/LENS	REFLECTOR	OPTIONS	NOTES	MANUFACTURER (CATALOG SERIES) OPTION 1	OPTION 2	OPTION 3
(A)	GENERAL PURPOSE LENSED LED STRIPLIGHT.	4'	5"	4"		P	LED	3500K		LED DRIVER	120V	42		5000					COLUMBIA (LCL-4-35-MVOLT-E-U)		
(B)	VANDAL RESISTANT CORNER MOUNT LINEAR LED FIXTURE.	4'	9"	9"			LED	3500K		LED DRIVER	120V	73		8500					FAIL-SAFE (FCO-X-4-L04-3-5-TD-35-1 20-840-65-EDO-MVL)		
(C)	PERIMETER LED WALL PACK.	12"	7"	6"		W	LED	5000K		LED DRIVER	120V	17		1720					HUBBELL (WPG-35SL-5K4U-FC)		
(D)	SURFACE MOUNT LED FIXTURE.	14"	14"	8"		GS	LED	5000K		LED DRIVER	120V	35		4400					HUBBELL (WRG-4-30-UL-5K4-35-SCB #)		

EQUIPMENT SCHEDULE

GRAND JUNCTION RESTROOM

EQUIPMENT SCHEDULE KEY
E - DIVISION 26
Q - FURNISHED WITH EQUIPMENT
* - COORDINATE WITH THE DIVISION 23 TEMPERATURE CONTROL INSTALLER
** - AUTOMATIC CONTROL WIRING BY DIVISION 23

NOTES:
1. NEMA 3R
2. TOGGLE SWITCH W/ THERMAL OVERLOAD
3. PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP
4. CONTRACTOR TO PERFOM FINAL CONNECTION TO LINE VOLTAGE THERMOSTATS
5. TOGGLE SWITCH W/ BACNET INTERFACE.
6. INDOOR UNITS FED FROM OUTDOOR UNIT, PROVIDE DISCONNECTS FOR BOTH.
7. PROVIDE SWITCH WITH BACNET MS/TP CAPABILITY.
8. PROVIDE LABEL ON DISCONNECT "DISCONNECT OUTDOOR UNIT PRIOR TO INDOOR."
9. LINE VOLTAGE THERMOSTAT ON WALL.
10. PROVIDE EXPLOSION PROOF DEVICES AND WIRING METHODS.
11. PROVIDE DUAL-REDUNDANT 100% RATED VFD'S FOR AIR HANDLER.
12. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL.

MARK	QTY	ITEM DESCRIPTION	LOAD DATA HP	kW	MCA	FLA	VOLT	PH	Hz	WIRE AND CONDUIT SIZE	OVERCURRENT PROTECTION FURN BY	DEVICE	LOCATION	DISCONNECT FURN BY	DEVICE	LOCATION	STARTER FURN BY	DEVICE	SIZES	SELECTOR SWITCH	PILOT LAMP	NORMALLY OPEN CONTACT	NORMALLY CLOSED CONTACT	PHASE FAILURE RELAY	NOTES	MARK
AHU-1	1	AIR HANDLING UNIT	-	6	-	27	240	1	60	2 #8, #10 GR 1" CND	E	30/2 CB	1LA	E	30A/2P NF	ADJ TO EQUIP	Q	-	-	-	-	-	-	-		AHU-1
EF-1	2	EXHAUST FAN	1/6	-	-	4.4	120	1	60	2 #12, #12 GR 0.75" CND	E	20/1 CB	1LA	E	TOGGLE SWITCH	ADJ TO EQUIP	Q	-	-	-	-	-	-	-		EF-1

PANEL: "1LA"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/240 V, 1 PH 3 WIRE	22" W x 6" D, BOLT-ON	125 AMPERE		SURFACE	CHASE 133	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR — AIC RATING:

CKT NO	OCP AMP	OCP POLE	OCP B/R	LOAD (VA) LTG	LOAD (VA) PWR	LOAD (VA) CO	DESCRIPTION	PHASE LOAD A	PHASE LOAD B	DESCRIPTION	LOAD (VA) CO	LOAD (VA) PWR	LOAD (VA) LTG	OCP B/R	OCP POLE	OCP AMP	CKT NO
1	20	1		1.3	0.0	0.0	AREA LIGHTING	1.3	0.7	CO GARAGE 105	0.7	0.0	0.0		1	20	2
3	20	1		0.0	0.0	0.2	CO SHELTER 104		0.2	1.0 PWR HAND DRYER	0.0	1.0	0.0		1	25	4
5	20	1		0.0	0.0	0.4	CO ROOM 105, 103	0.4	1.0	PWR HAND DRYER	0.0	1.0	0.0		1	25	6
7	20	1		–	–	–	SPARE		0.0	0.0 SPARE	–	–	–		1	20	8
9	20	1		0.0	0.1	0.0	PWR SENSORS	0.1	0.0	SPARE	–	–	–		1	20	10
11	20	1		0.0	0.0	0.4	CO SHELTER 104		0.4	0.0 SPARE	–	–	–		1	20	12
13	20	1		–	–	–	SPARE	0.0	0.0	SPARE	–	–	–		1	20	14
15	20	1		0.0	0.6	0.0	PWR EF-1		0.6	0.0 SPARE	–	–	–		1	20	16
17	20	1		–	–	–	SPARE	0.0	0.0	SPARE	–	–	–		1	20	18
19	20	1		–	–	–	SPARE		0.0	0.0 SPARE	–	–	–		1	20	20
21	20	1		–	–	–	SPARE	0.0	0.0	SPARE	–	–	–		1	20	22
23	20	1		–	–	–	SPARE		0.0	0.0 SPARE	–	–	–		1	20	24
25	20	1		–	–	–	SPARE	0.0	0.0	SPARE	–	–	–		1	20	26
27	30	2		0.0	2.0	0.0	PWR AHU-1		1.0	0.0 SPARE	–	–	–		1	20	28
29	–	–		–	–	–	–	1.0	0.0	SPARE	–	–	–		1	20	30

TOTALS: CONNECTED VA PER PHASE: A 4, B 3 — CONNECTED TOTAL VA = 8
CONNECTED AMPS PER PHASE: A 37, B 26 — AVERAGE CONNECTED AMPS PER PHASE = 32

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS: 1.3 kVA @ 125% = 1.6 kVA - 100% CONNECTED LOAD PLUS 25%
RECEPTACLES: 1.6 kVA @ 100% = 1.6 kVA - FIRST 10kVA @ 100%, REMAINDER @ 50%
ALL OTHER LOADS @ 100%: 5.2 kVA - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC
DIVERSIFIED TOTAL VA = 8
AVERAGE AMPS PER PHASE = 35

B/R: GF=GFCI, GF30=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, CA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI

NOTES:

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ELECTRICAL SCHEDULES

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