THE LINE SHOWN ABOVE IS ENGINEERING SCALE 1" = 10'0" SHEETS ORIGINAL PAGE SIZE

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## RCP LEGEND AND SYMBOLS

**C-1**
24" x 48" SUSPENDED ACOUSTICAL CEILING

**C-2**
CEMENT BOARD, PRE-FINISHED

**C-3**
GYPSUM WALL BOARD ON METAL FURRING, PAINTED P-5

**C-4**
OPEN TO STRUCTURE, PAINTED P-6

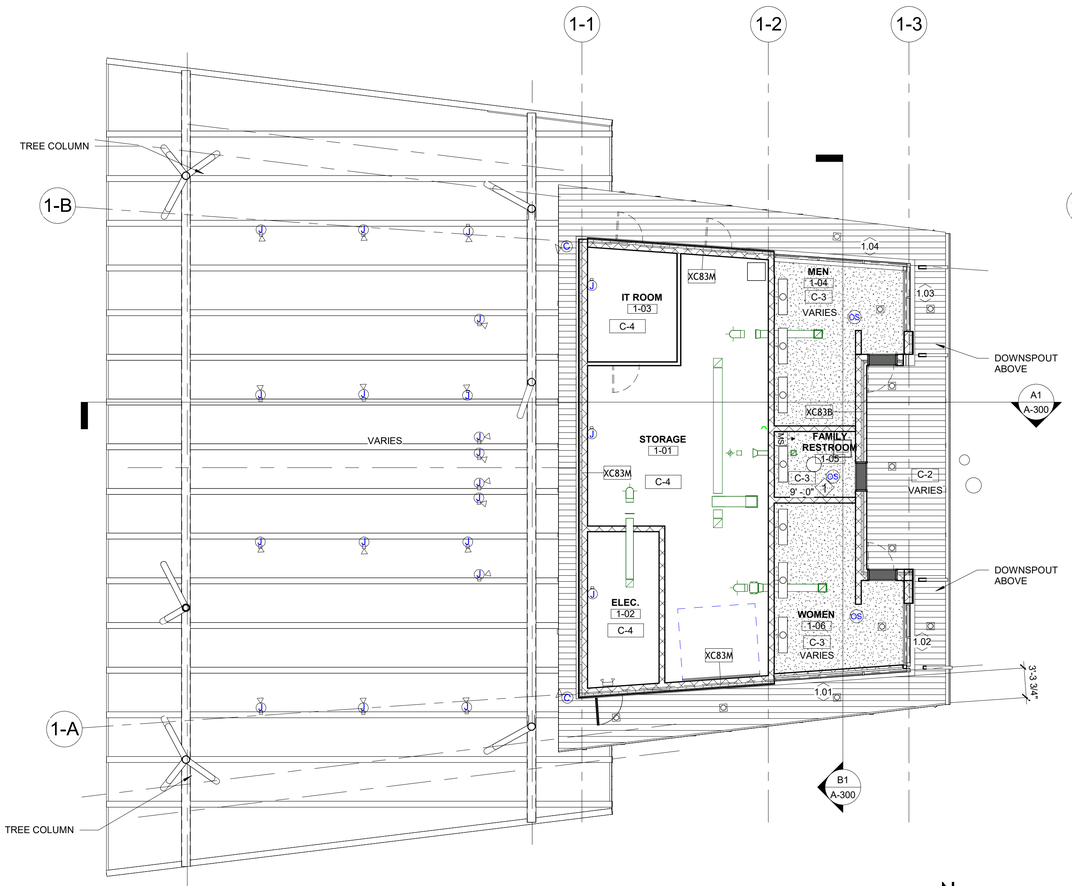
**C-5**
OPEN TO STRUCTURE, UNFINISHED

## RCP GENERAL NOTES

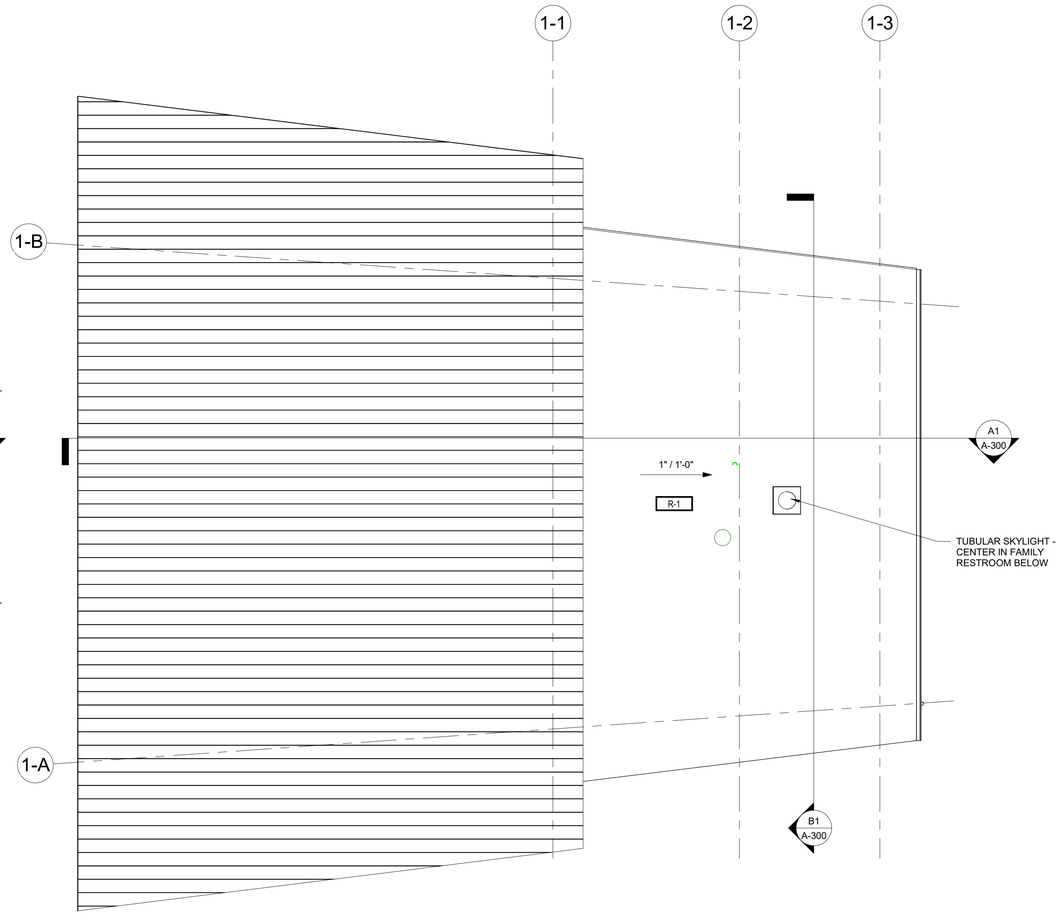
1. ALL CEILING ELEVATIONS TO BE DIMENSIONED FROM SLAB ELEVATION BELOW.
2. REFER TO CEILING PLAN FOR DIMENSIONED LOCATIONS OF ALL LIGHTS, DIFFUSERS, ETC.
3. PROVIDE CONTINUOUS SOUND BATT INSULATION ABOVE TOILET ROOM CEILINGS.
4. PAINT ALL EXPOSED STRUCTURE (BEAMS, JOISTS, DECK), EXPOSED CONDUIT, EXPOSED DUCT AND PIPING (INCLUDING INSULATION). REFER TO FINISH LEGEND FOR COLOR.

## SHEET NOTES - REFLECTED CEILING PLANS

| NOTE # | NOTE |
|---|---|
| 1 | 21" TUBULAR SKYLIGHT |




A1 COMMUNITY HUB BUILDING - RELFECTED CEILING PLAN - PHASE 1
A-121A 1/8" = 1'-0"




A3 COMMUNITY HUB BUILDING - ROOF PLAN - PHASE 1
A-121A 1/8" = 1'-0"

N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|---|---|
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| **Sheet Issue Date:** | 2024-11-22 |
| **Drawn By:** | ST |
| **Checked By:** | LG |

**Key Map**

**Drawing**
COMMUNITY HUB - REFLECTED CEILING & ROOF PLANS

# A-121A

SITE PLAN SUBMITTAL


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## RCP LEGEND AND SYMBOLS

**C-1**
24" x 48" SUSPENDED ACOUSTICAL CEILING

**C-2**
CEMENT BOARD, PRE-FINISHED

**C-3**
GYPSUM WALL BOARD ON METAL FURRING, PAINTED P-5

**C-4**
OPEN TO STRUCTURE, PAINTED P-6

**C-5**
OPEN TO STRUCTURE, UNFINISHED

## RCP GENERAL NOTES

1. ALL CEILING ELEVATIONS TO BE DIMENSIONED FROM SLAB ELEVATION BELOW.
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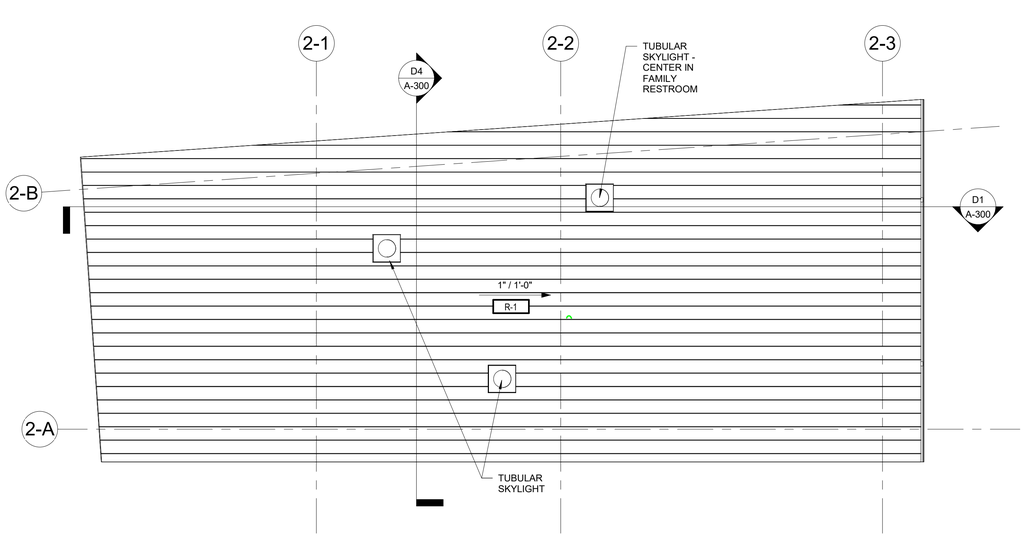
## SHEET NOTES - REFLECTED CEILING PLANS

| NOTE # | NOTE |
|---|---|
| 1 | 21" TUBULAR SKYLIGHT |

A1 HEADQUARTERS & RESTROOM BUILDING - REFLECTED CEILING PLAN
A-121B 1/8" = 1'-0"




A3 HEADQUARTERS & RESTROOM BUILDING - ROOF PLAN
A-121B 1/8" = 1'-0"

N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| Δ | DATE | DESCRIPTION |
|---|---|---|

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**Checked By:** LG

**Key Map**

**Drawing**
HEADQUARTERS & RESTROOM - REFLECTED CEILING & ROOF PLANS

# A-121B

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# FINISH LEGEND

| FINISH DIVISION | CSI SECTION NUMBER | CSI SECTION NAME | TYPE | CODE | MANUFACTURER | PRODUCT | SIZE | COLOR | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| DIVISION 3 | | | | | | | | | |
| DIVISION 3 | 03 3000 | CAST-IN-PLACE CONCRETE | LIQUID FLOOR TREATMENT (DENSIFIED CONCRETE) | DC-1 | TBD | RE: SPECS | - | NATURAL | |
| DIVISION 6 | | | | | | | | | |
| DIVISION 6 | 06 6400 | PLASTIC PANELING | FIBER-REINFORCED PANEL | FRP-1 | MARLITE | SMOOTH TEXTURE | 4' SHEETS | WHITE | |
| DIVISION 9 | | | | | | | | | |
| DIVISION 9 | 09 6513 | RESILIENT BASE AND ACCESSORIES | RESILIENT BASE | RB-1 | ROPPE | RUBBER BASE | 4" COVE, ROLLED GOODS | LUNAR DUST 114 | |
| DIVISION 9 | 09 6723 | POURED RESINOUS FLOORING | EPOXY FLOORING SYSTEM | EPF-1 | STONHARD | STONSHIELD SLT | - | GLACIER MEDIUM TEXTURE | 4" INTEGRAL BASE |
| DIVISION 9 | 09 9123 | INTERIOR PAINTING | PAINT (FIELD) | P-1 | SHERWIN WILLIAMS | SEMI-GLOSS | - | CREAMY SW7012 | |
| DIVISION 9 | 09 9123 | | EPOXY PAINT (TOILET ROOM FIELD) | P-1A | SHERWIN WILLIAMS | SEMI-GLOSS | - | CREAMY SW7012 | |
| DIVISION 9 | 09 9123 | | EPOXY PAINT TOILET ROOM ACCENT | P-2A | SHERWIN WILLIAMS | SEMI-GLOSS | | DUTCH TILE BLUE SW0031 | |
| DIVISION 9 | 09 9123 | | PAINT (CEILING) | P-3 | SHERWIN WILLIAMS | FLAT (EGGSHELL AT TOILET ROOMS) | - | CEILING BRIGHT WHITE SW7007 | |
| DIVISION 9 | 09 9123 | | PAINT (OPEN STRUCTURE, METAL DOORS & HM DOOR FRAMES) | P-4 | SHERWIN WILLIAMS | SEMI-GLOSS | - | DOVETAIL SW7018 | |
| DIVISION 12 | | | | | | | | | |
| DIVISION 12 | 12 3216 | MANUFACTURED PLASTIC-LAMINATE-FACED CASEWORK | PLASTIC-LAMINATE CASEWORK (UPPER & BASE CABINETS) | PL-1 | FORMICA | HPL PLASTIC LAMINATE | - | BEIGE ELM 5794-NG | |
| DIVISION 12 | 12 3616 | METAL COUNTERTOPS | STAINLESS STEEL COUNTERTOP | SST-1 | TBD | TBD | | STAINLESS STEEL | CONCESSIONS |
| DIVISION 12 | 12 3661.16 | SOLID SURFACING COUNTERTOPS | SOLID SURFACE COUNTERTOP | SS-1 | CORIAN | SOLID SURFACE | - | ELEGANT GRAY | |

# ROOM FINISH SCHEDULE

| ROOM NUMBER | ROOM NAME | FINISH | | | MILLWORK | | MISCELLANEOUS | REMARKS |
|---|---|---|---|---|---|---|---|---|
| | | FLOOR | BASE | WALL | HORIZ. | VERT. | | |
| 1-01 | STORAGE | DC-1 | RB-1 | P-1, FRP-1 (AROUND PERIMETER UP TO 48" A.F.F) | | | | P-1, RB-1, FRP-1 AT GYPSUM BOARD WALLS ONLY.EXPOSED CMU TO REMAIN UNPAINTED. |
| 1-02 | ELEC. | DC-1 | - | - | | | | EXPOSED CMU TO REMAIN UNPAINTED |
| 1-03 | IT ROOM | DC-1 | RB-1 | P-1 | | | | |
| 1-04 | MEN | EPF-1 | EPF-1, 4" INTEGRAL BASE | P-1A, P-2A | | | | |
| 1-05 | FAMILY RESTROOM | EPF-1 | EPF-1, 4" INTEGRAL BASE | P-1A, P-2A | | | | |
| 1-06 | WOMEN | EPF-1 | EPF-1, 4" INTEGRAL BASE | P-1A, P-2A | | | | |
| 2-01 | OFFICE | DC-1 | RB-1 | P-1 | SS-1 | PL-1 | | |
| 2-02 | IT | DC-1 | - | P-1 | | | | |
| 2-03 | FAMILY RESTROOM | EPF-1 | EPF-1, 4" INTEGRAL BASE | P-1A, P-2A | | | | |
| 2-04 | WOMEN | EPF-1 | EPF-1, 4" INTEGRAL BASE | P-1A, P-2A | | | | |
| 2-05 | UTILITY | DC-1 | - | - | | | | EXPOSED CMU TO REMAIN UNPAINTED |
| 2-06 | MEN | EPF-1 | EPF-1, 4" INTEGRAL BASE | P-1A, P-2A | | | | |
| 2-07 | ELEC. | DC-1 | - | - | | | | EXPOSED CMU TO REMAIN UNPAINTED |
| 2-08 | STORAGE | DC-1 | - | - | | | | EXPOSED CMU TO REMAIN UNPAINTED |
| E-03 | CONCESSION | - | - | - | SST-1 | - | | STAINLESS STEEL COUNTER WHERE SPECIFIED |
| E-04 | MEN'S | EPF-1 | EPF-1, 4" INTEGRAL BASE | P-1A, P-2A | | | | PAINT CEILING P-5 |
| E-05 | WOMENS | EPF-1 | EPF-1, 4" INTEGRAL BASE | P-1A, P-2A | | | | PAINT CEILING P-5 |

# TOILET ACCESSORY SCHEDULE

| ITEM | Description | Manufacturer | Model | PROVIDED BY | INSTALLED BY |
|---|---|---|---|---|---|
| BC1 | BABY CHANGING STATION | KOALA KARE | KB110-SSRE | CONTRACTOR | CONTRACTOR |
| BC2 | CHILD PROTECTION SEAT | KOALA KARE | KB102-01 | CONTRACTOR | CONTRACTOR |
| GB1 | 36", 42", 12" GRAB BARS | BOBRICK | B-5806 | CONTRACTOR | CONTRACTOR |
| HD1 | ELECTRIC HAND DRYER | GLOBAL INDUSTRIAL | 641565 | CONTRACTOR | CONTRACTOR |
| MI1 | MIRROR | BOBRICK | B-165 | CONTRACTOR | CONTRACTOR |
| SD1 | SOAP DISPENSER | BOBRICK | B-2111 | OWNER | CONTRACTOR |
| TP1 | TOILET PAPER DISPENSER | BOBRICK | B-2892 | <varies> | <varies> |


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**Key Map**

**Drawing**
FINISH SCHEDULE

**A-140**

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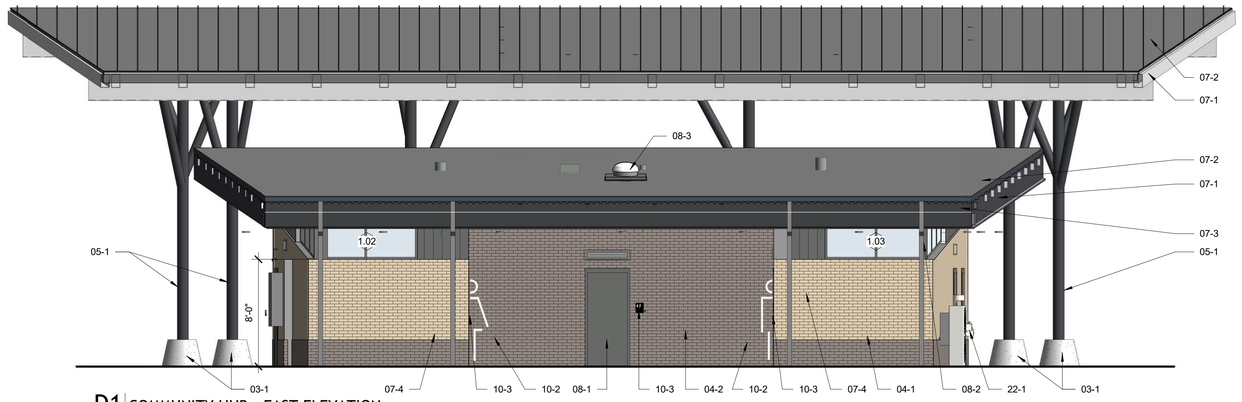
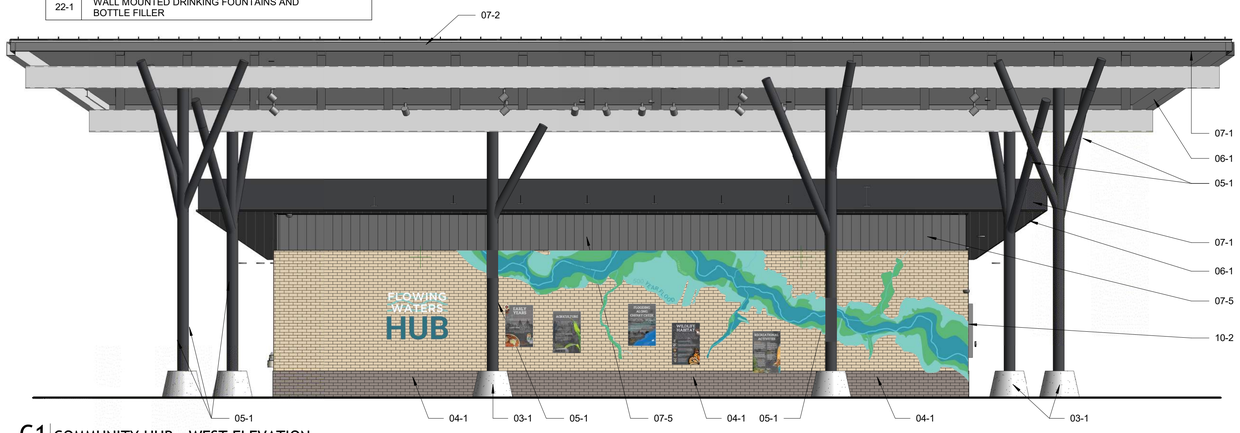
## MATERIALS LEGEND

| | DESCRIPTION |
|---|---|
| 03-1 | CAST-IN-PLACE STRUCTURAL CONCRETE COLUMN BASE |
| 04-1 | BRICK VENEER - MODULAR (2-1/4X4X8), INTERSTATE BRICK, COLOR: ALMOND |
| 04-2 | BRICK VENEER - MODULAR (2-1/4X4X8), INTERSTATE BRICK, COLOR: PLATINUM |
| 05-1 | STRUCTURAL STEEL PIPE COLUMN PAINTED WITH HIGH PERFORMANCE COATING |
| 07-1 | PRE-FINISHED SHEET METAL FASCIA, COLOR TO MATCH MORIN ZINC GRAY |
| 07-2 | PRE-FINISHED SHEET METAL STANDING SEAM BOD: MORIN SYMMETRY SYM-12-0 WITH 2" SEAMS, 22 GA |
| 07-3 | PRE-FINISHED SHEET METAL GUTTER |
| 07-4 | PRE-FINISHED SHEET METAL DOWNSPOUT, COLOR TO MATCH FASCIA |
| 07-5 | PRE-FINISHED METAL PANEL, BOD: MORIN MATRIX MX-6, 22 GA. COLOR: ZINC GRAY |
| 07-6 | CEMENT BOARD SOFFIT |
| 08-1 | HOLLOW METAL DOOR AND FRAME, PAINTED |
| 08-2 | HOLLOW METAL FRAME AND GLAZING, PAINTED |
| 08-3 | 21" TUBULAR SKYLIGHT |
| 08-4 | INSULATED STEEL SECTIONAL DOOR 9'-4"W X 8'H |
| 08-5 | INSULATED SST SECTIONAL COUNTER DOOR 8'W X 4'H |
| 10-1 | ALUMINUM DIMENSIONAL LETTER SIGNAGE |
| 10-2 | PROPOSED ENVIRONMENTAL GRAPHIC |
| 10-3 | ACRYLIC ROOM PANEL SIGNAGE |
| 22-1 | WALL MOUNTED DRINKING FOUNTAINS AND BOTTLE FILLER |



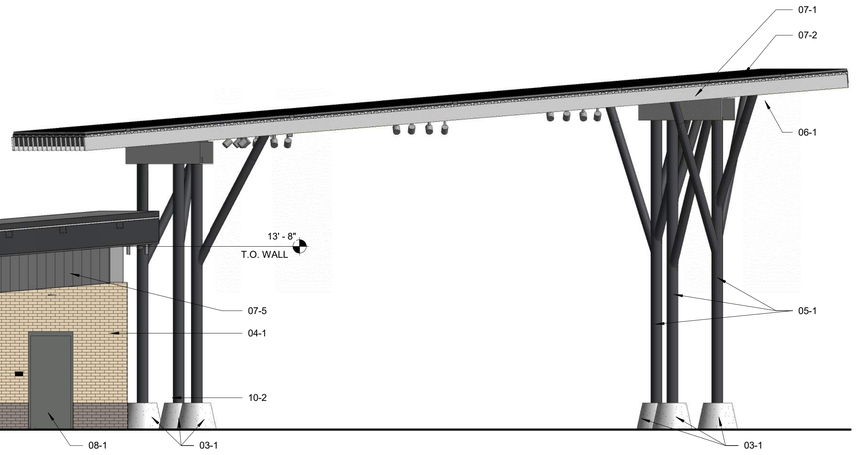

D1 COMMUNITY HUB - EAST ELEVATION

A-111A A-201A 3/16" = 1'-0"




C1 COMMUNITY HUB - WEST ELEVATION

A-111A A-201A 3/16" = 1'-0"

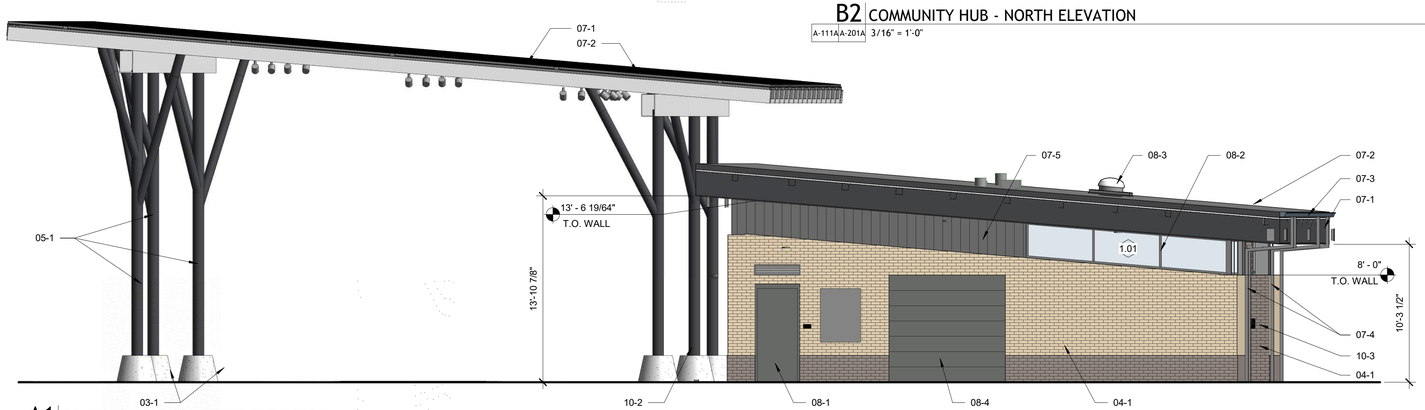






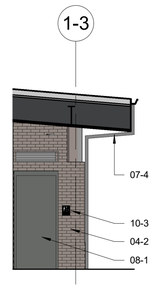
B2 COMMUNITY HUB - NORTH ELEVATION

A-111A A-201A 3/16" = 1'-0"



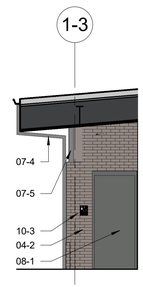

A1 COMMUNITY HUB - SOUTH ELEVATION

A-111A A-201A 3/16" = 1'-0"




A4 HUB TOILET ROOM - SOUTH ELEVATION

A-111A A-201A 3/16" = 1'-0"




A5 HUB TOILET ROOM - NORTH ELEVATION

A-111A A-201A 3/16" = 1'-0"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| **Checked By:** | LG |

**Key Map**

**Drawing**

COMMUNITY HUB - EXTERIOR ELEVATIONS

# A-201A

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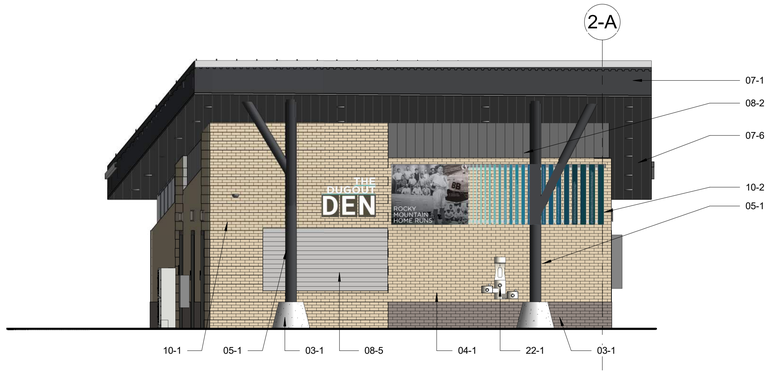
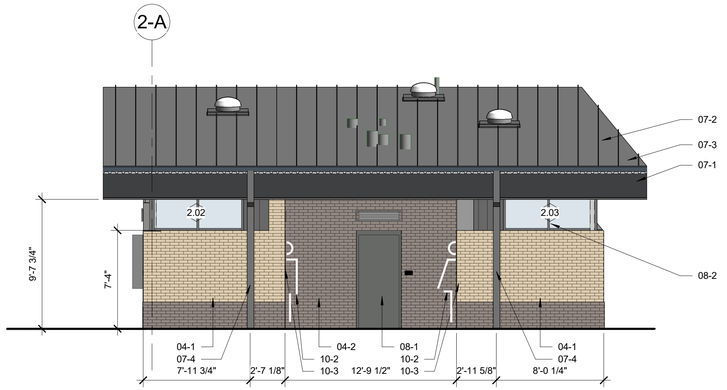



## A1 HEADQUARTERS & RESTROOM - WEST ELEVATION

A-111B A-201B 3/16" = 1'-0"




## A3 HEADQUARTERS & RESTROOM - EAST ELEVATION

A-111B A-201B 3/16" = 1'-0"

## MATERIALS LEGEND

| | DESCRIPTION |
|---|---|
| 03-1 | CAST-IN-PLACE STRUCTURAL CONCRETE COLUMN BASE |
| 04-1 | BRICK VENEER - MODULAR (2-1/4X4X8), INTERSTATE BRICK, COLOR: ALMOND |
| 04-2 | BRICK VENEER - MODULAR (2-1/4X4X8), INTERSTATE BRICK, COLOR: PLATINUM |
| 05-1 | STRUCTURAL STEEL PIPE COLUMN PAINTED WITH HIGH PERFORMANCE COATING |
| 07-1 | PRE-FINISHED SHEET METAL FASCIA, COLOR TO MATCH MORIN ZINC GRAY |
| 07-2 | PRE-FINISHED SHEET METAL STANDING SEAM BOD: MORIN SYMMETRY SYM-12-0 WITH 2" SEAMS, 22 GA |
| 07-3 | PRE-FINISHED SHEET METAL GUTTER |
| 07-4 | PRE-FINISHED SHEET METAL DOWNSPOUT, COLOR TO MATCH FASCIA |
| 07-5 | PRE-FINISHED METAL PANEL, BOD: MORIN MATRIX MX-6, 22 GA. COLOR: ZINC GRAY |
| 07-6 | CEMENT BOARD SOFFIT |
| 08-1 | HOLLOW METAL DOOR AND FRAME, PAINTED |
| 08-2 | HOLLOW METAL FRAME AND GLAZING, PAINTED |
| 08-3 | 21" TUBULAR SKYLIGHT |
| 08-4 | INSULATED STEEL SECTIONAL DOOR 9'-4"W X 8'H |
| 08-5 | INSULATED SST SECTIONAL COUNTER DOOR 8'W X 4'H |
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| 10-2 | PROPOSED ENVIRONMENTAL GRAPHIC |
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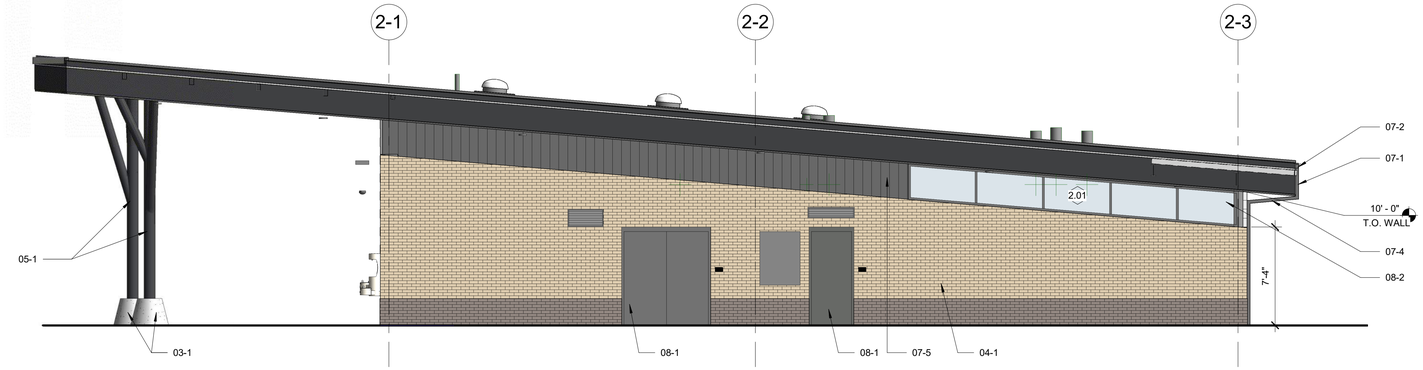
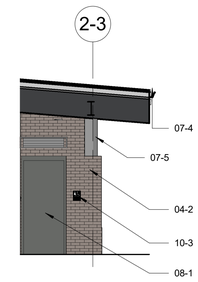


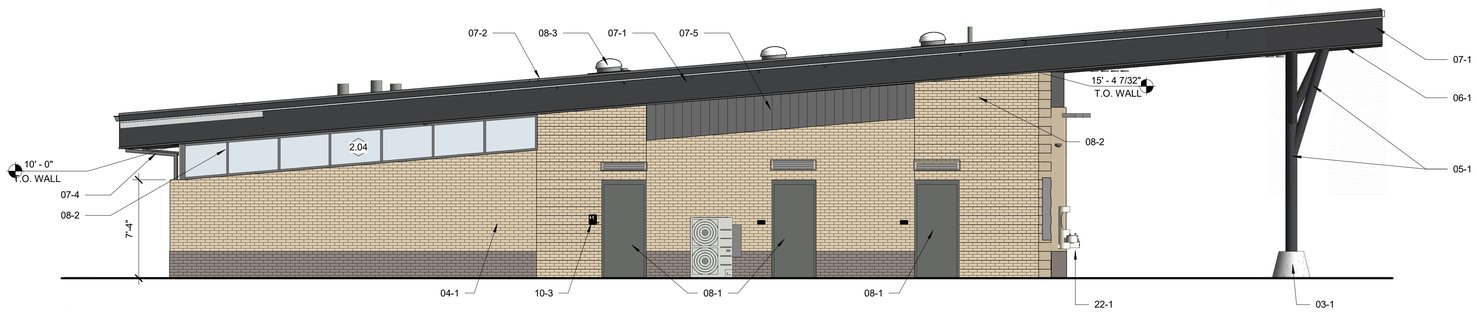

## B1 HEADQUARTERS & RESTROOM - SOUTH ELEVATION

A-111B A-201B 3/16" = 1'-0"



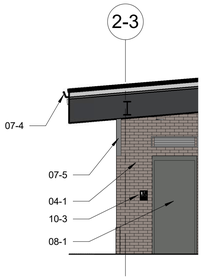

## B4 HQ TOILET ROOM ENTRY - SOUTH ELEVATION

A-111B A-201B 3/16" = 1'-0"




## D1 HEADQUARTERS & RESTROOM - NORTH ELEVATION

A-111B A-201B 3/16" = 1'-0"




## A4 HQ TOILET ROOM ENTRY - NORTH ELEVATION

A-111B A-201B 3/16" = 1'-0"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Town of Parker
# SALISBURY PARK NORTH - PHASE 1
11700 MOTSENBOCKER RD
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**Key Map**

**Drawing**

HEADQUARTERS & RESTROOM BUILDING - EXTERIOR ELEVATIONS

# A-201B

SITE PLAN SUBMITTAL



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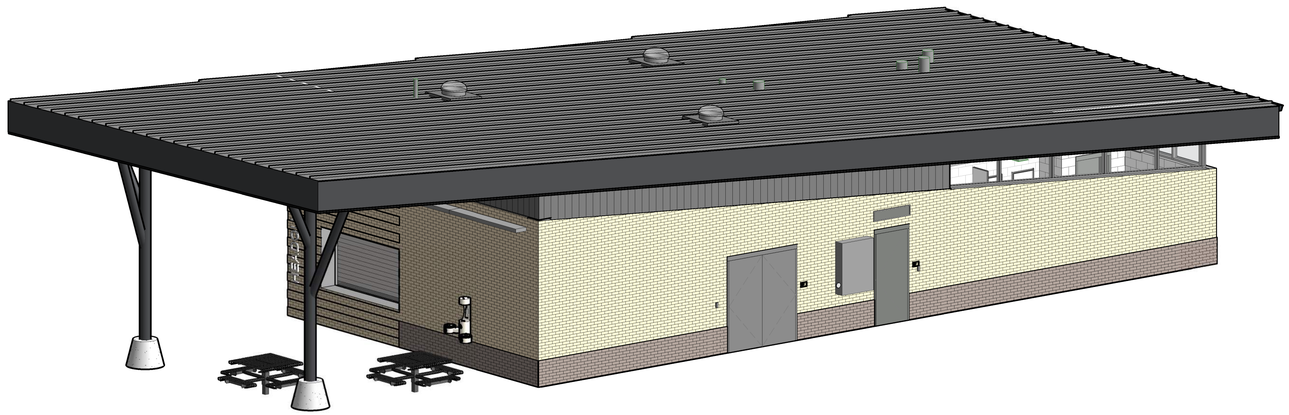
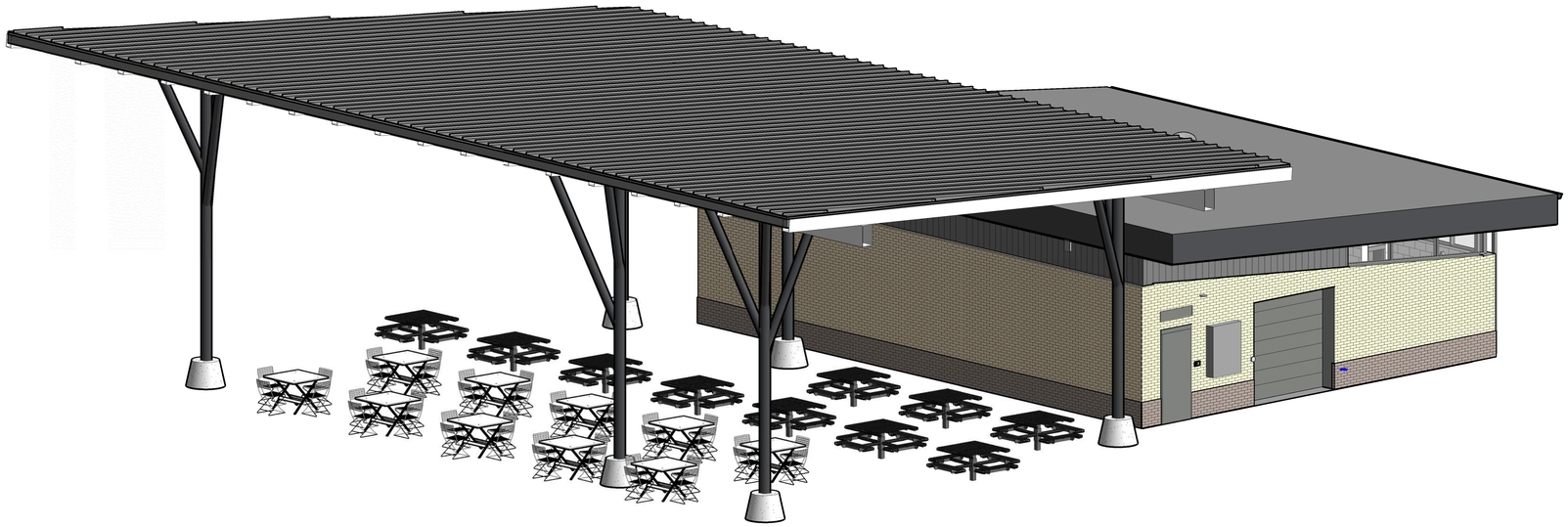


C3 HEADQUARTERS & RESTROOM 3D VIEW

A-202



A1 COMMUNITY PAVILION 3D VIEW

A-202

11/20/2024 4:45:07 PM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**Key Map**

**Drawing**

HEADQUARTERS & COMMUNITY HUB PAVILION 3D VIEWS

# A-202

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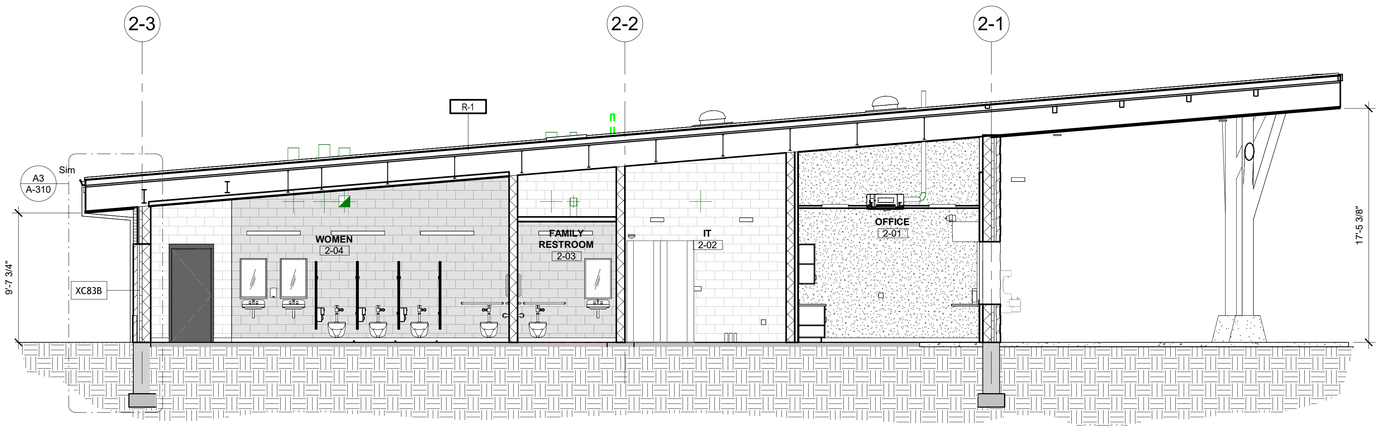
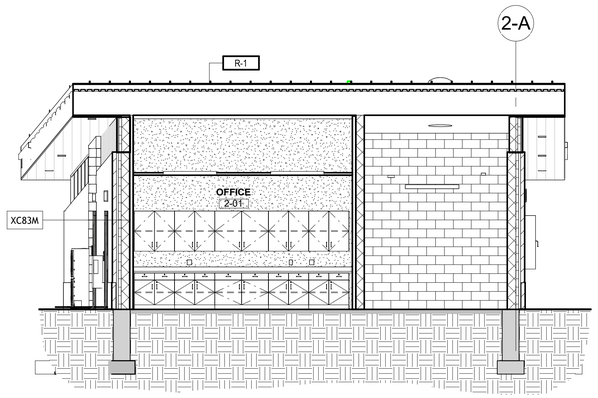



D1 HEADQUARTERS EAST/WEST BUILDING SECTION

A-111B A-300 3/16" = 1'-0"

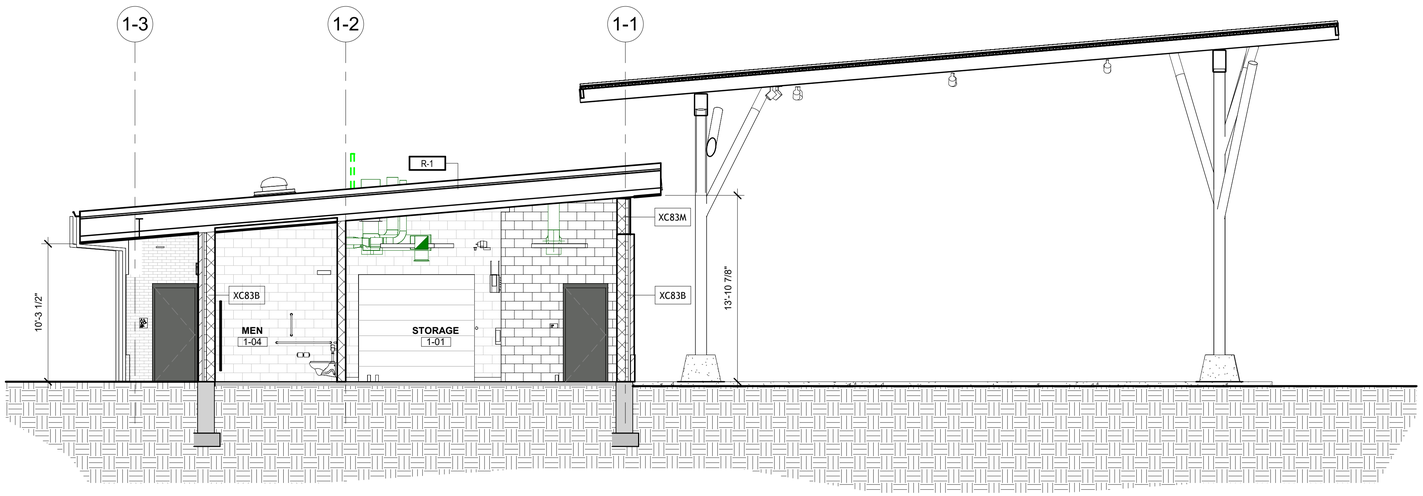



D4 HEADQUARTERS NORTH/SOUTH BUILDING SECTION

A-111B A-300 3/16" = 1'-0"

B1 COMMUNITY HUB NORTH/SOUTH BUILDING SECTION

A-111A A-300 3/16" = 1'-0"




A1 COMMUNITY HUB EAST/WEST BUILDING SECTION

A-111A A-300 3/16" = 1'-0"

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Town of Parker
# SALISBURY PARK NORTH - PHASE 1
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**Key Map**

**Drawing**

BUILDING SECTIONS

# A-300

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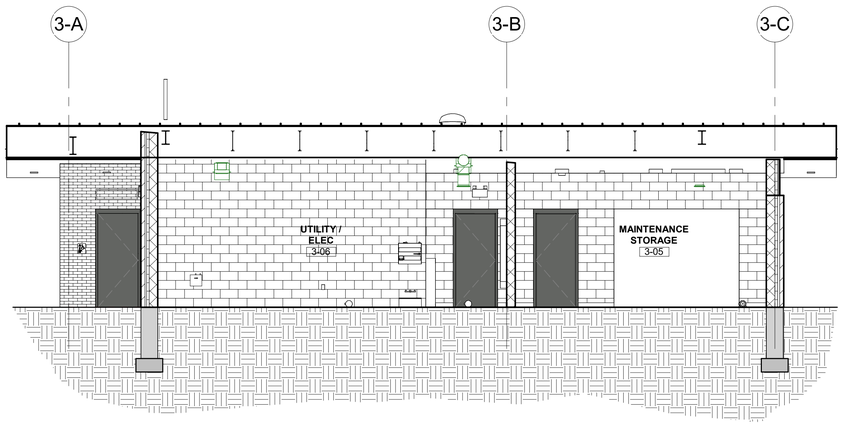
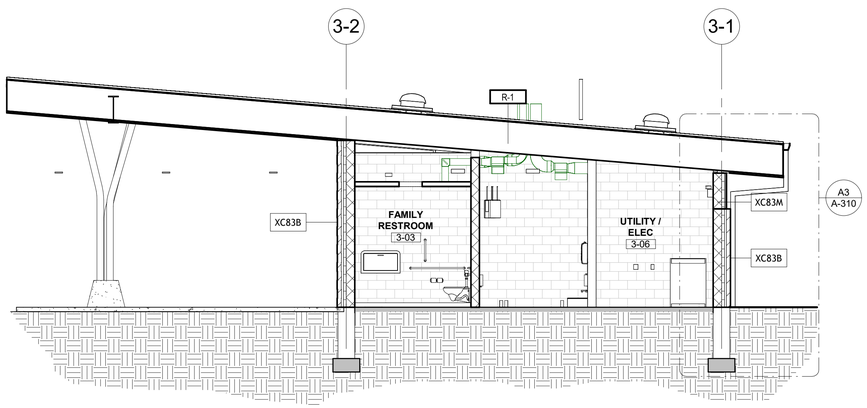


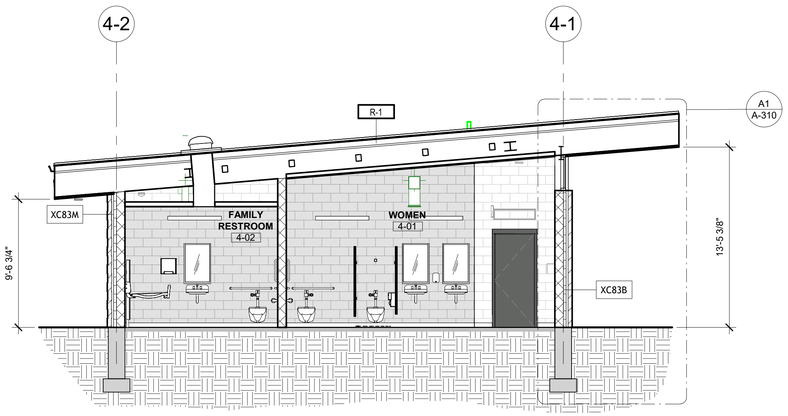

B1 SPORTS COURT NORTH/SOUTH BUILDING

A-111D-P2A-301 3/16" = 1'-0"




B3 SPORTS COURT NORTH/SOUTH BUILDING SECTION

A-111D-P2A-301 3/16" = 1'-0"




A1 PLAYGROUND RESTROOM EAST/WEST BUILDING SECTION

A-101B A-301 3/16" = 1'-0"

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Town of Parker
# SALISBURY PARK NORTH - PHASE 1
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**Key Map**

**Drawing**

BUILDING SECTIONS - P2,3

# A-301

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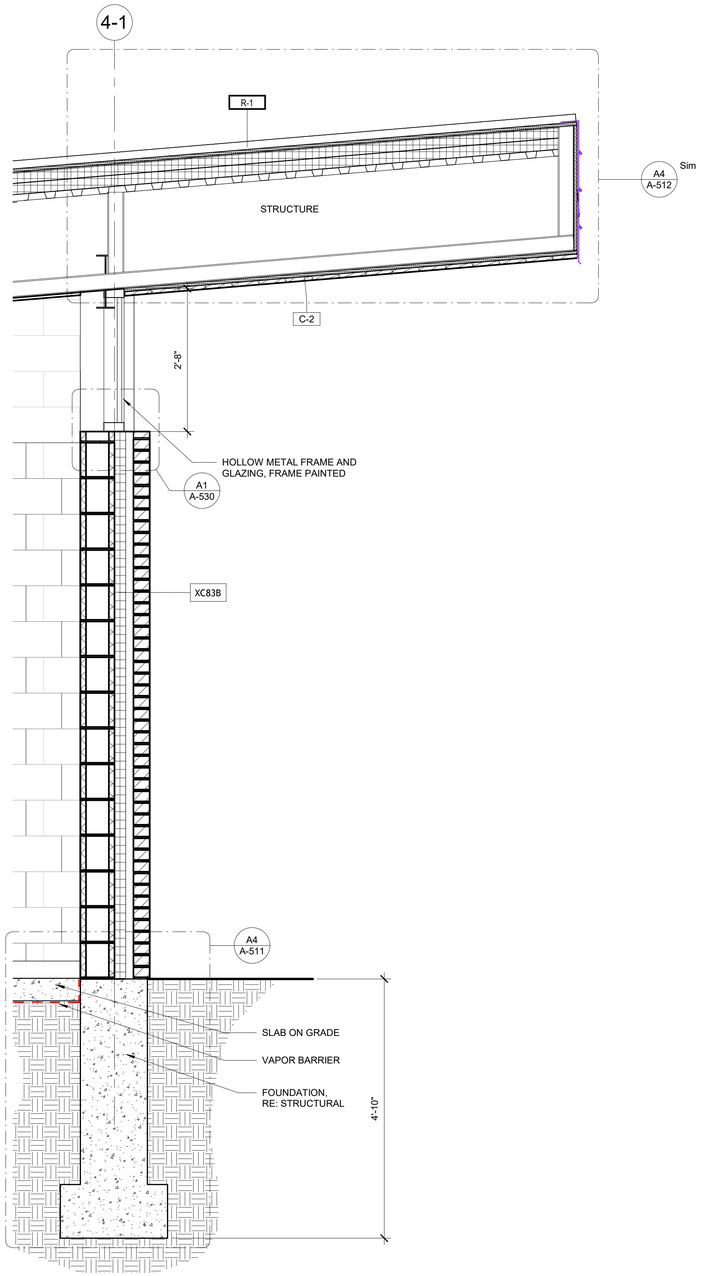
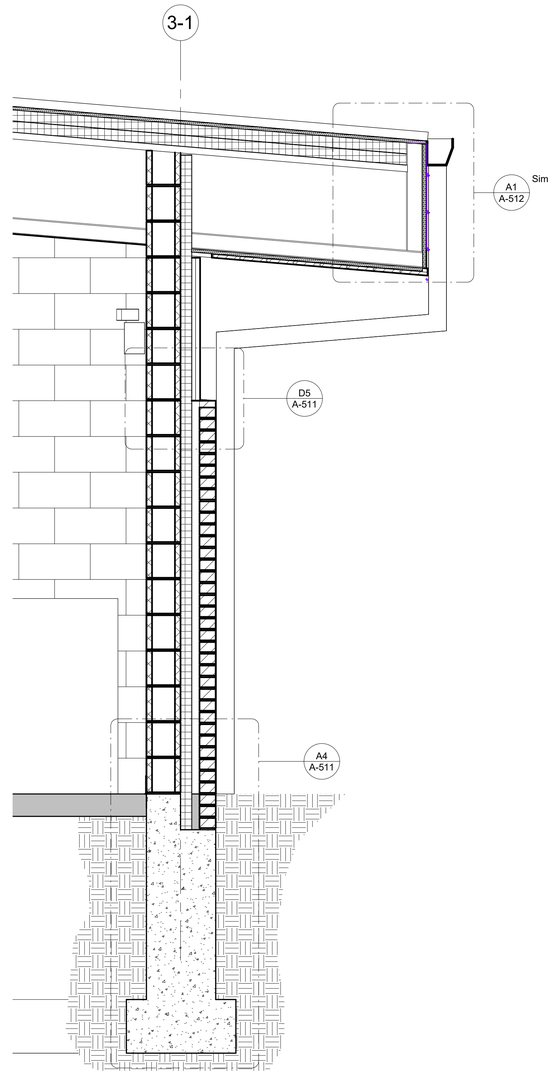



A1 TYPICAL WALL SECTION - HIGH SIDE ROOF SLOPE

A-301 | A-310 3/4" = 1'-0"




A3 TYPICAL WALL SECTION - LOW SIDE ROOF SLOPE

A-300 | A-310 3/4" = 1'-0"

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**Key Map**

**Drawing**

WALL SECTIONS

# A-310

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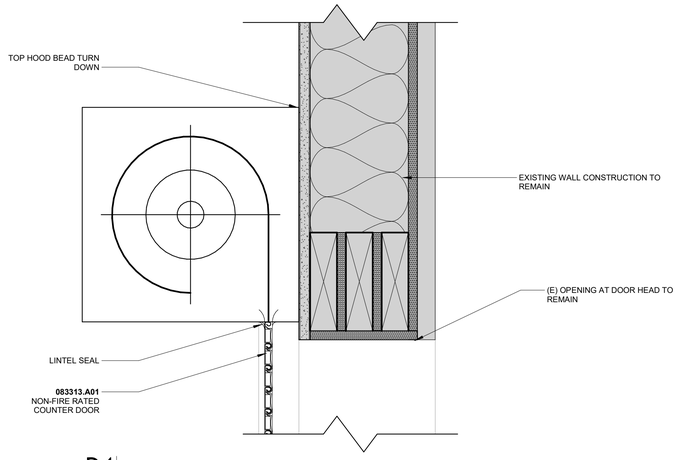
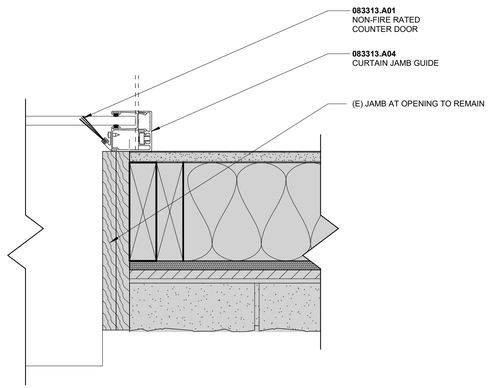


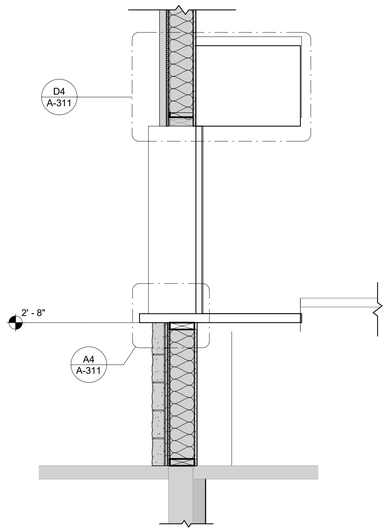

D4 COILING DOOR HEAD DETAIL

A-311 | A-311 3" = 1'-0"



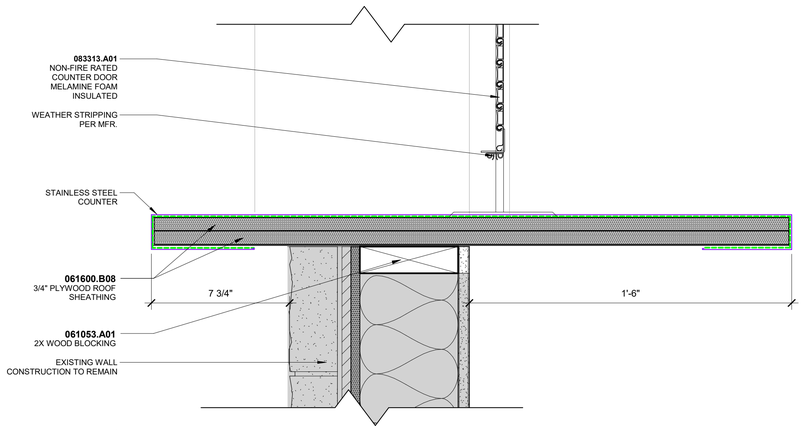

B4 COILING DOOR JAMB DETAIL

A-311 3" = 1'-0"




A2 EXISTING CONCESSIONS BUILDING - NEW COILING ROLL-UP DOOR

A-111C | A-311 3/4" = 1'-0"




A4 COILING DOOR SILL DETAIL

A-311 | A-311 3" = 1'-0"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EXISTING CONCESSIONS BLDG. - WALL SECTION & DETAILS

# A-311

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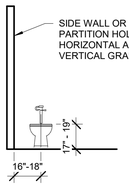
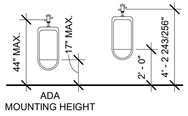
# TYPICAL ADULT MOUNTING HEIGHTS

## WATER CLOSET
224000.A02



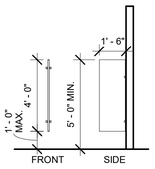

RE: ARCH PLAN FOR HORIZONTAL PLACEMENT.

## URINAL
224000.A03



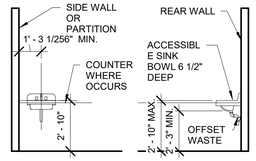

RE: ARCH PLAN FOR HORIZONTAL PLACEMENT.

## URINAL SCREEN




DEPTH OF SCREEN TO BE 18" MIN. OR 6" BEYOND FRONT LIP OF URNINAL MEASURED FROM THE FINISHED BACK WALL SURFACE, WHICHEVER IS GREATER.

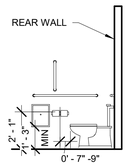
## LAVATORY
224000.A04
224000.A05




HOT WATER PIPE AND DRAIN MUST BE INSULATED.

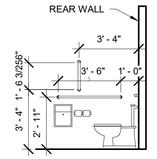
## TOILET PAPER DISPENSER
102800.A01

## SANITARY NAPKIN DISPOSAL
102800.A09




SURFACE MOUNT TOILET TISSUE DISPENSER MOUNT 7" MIN. TO 9" MAX IN FRONT OF WC MEASURED TO THE CENTER LINE OF THE DISPENSER.

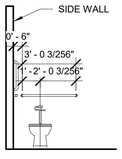
## 42" HORIZONTAL GRAB BAR 18" VERTICAL GRAB BAR
102800.A08




SIDE WALL:
42" MIN. LENGTH, MOUNT 12" MAX. FROM REAR WALL.

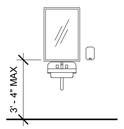
18" MIN. VERTICAL BAR: MOUNT 40" FROM REAR WALL AND 40" (FROM BOTTOM OF BAR) A.F.F.

## 36" HORIZONTAL GRAB BAR
102800.A08




REAR WALL:
36" MIN. LENGTH, EXTEND FROM CENTER LINE OF WC 12" MIN. ON SIDE CLOSEST TO WALL & 24" MIN. ON TRANSFER SIDE.

## MIRROR
102800.A12




24" X 36" MIRROR. MIRRORS NOT LOCATED ABOVE LAVS OR COUNTERTOPS SHOULD BE INSTALLED WITH BOTTOM BASE OF REFLECTING SURFACE AT 35"A.F.F.

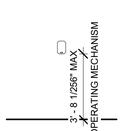
## ELECTRIC HAND DRYER

MOUNT 38" TO OPERATING MECHANISM FOR FRONT APPROACH.

## PAPER TOWEL DISPENSER
102800.A04

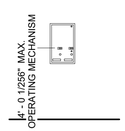
MOUNT 48" TO OPERATING MECHANISM FOR FRONT APPROACH.

## SOAP DISPENSER
102800.A07



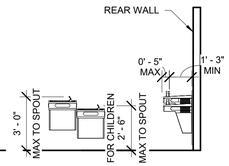

MOUNT 44" MAX TO OPERATING MECHANISM FOR FRONT APPROACH.

## SANITARY NAPKIN DISPENSER
102800.A34



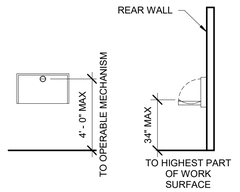

MOUNT 48" TO OPERATING MECHANISM FOR FRONT APPROACH.

## DRINKING FOUNTAIN
224000.A07



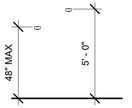

RE: ARCH PLAN FOR HORIZONTAL PLACEMENT.

## BABY CHANGING STATION



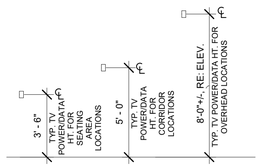

SURFACE MOUNTED

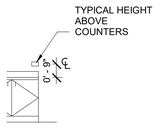
## ROBE HOOK
102800.N06

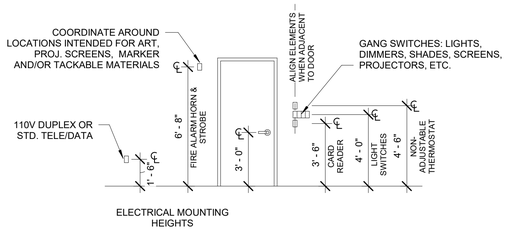



ADA:
MOUNT 48" MAX AFF.

STANDARD HT.:
MOUNT 60" AFF.




ELECTRICAL MOUNTING HEIGHTS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| **Project Number:** | 223072.00 |
| **Sheet Issue Date:** | 2024-11-22 |
| **Drawn By:** | ST |
| **Checked By:** | LG |

**Key Map**

**Drawing**

TYPICAL MOUNTING HEIGHTS

**A-410**

SITE PLAN SUBMITTAL
Page 266 of 311


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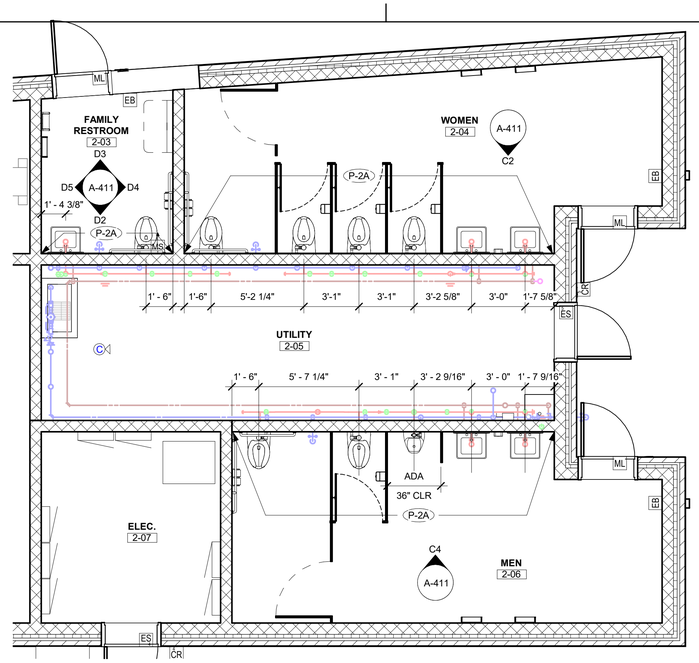
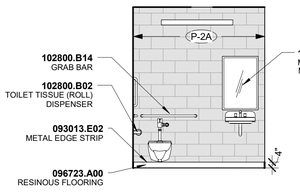


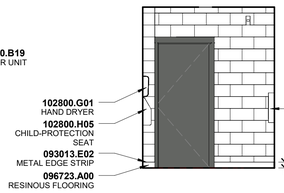

## C1 HEADQUARTERS & RESTROOM BUILDING - FLOOR PLAN

A-111A | A-411 1/4" = 1'-0"



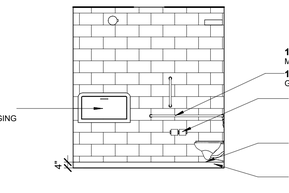

## D2 FAMILY TOILET 2-03 - S. ELEV.

A-411 | A-411 1/4" = 1'-0"



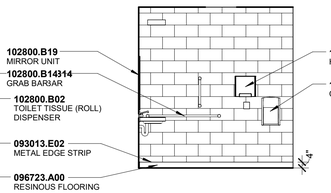

## D3 FAMILY TOILET 2-03 - N. ELEV.

A-411 | A-411 1/4" = 1'-0"



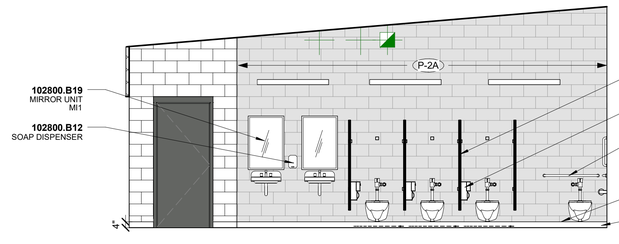

## D4 FAMILY TOILET 2-03 - E. ELEV.

A-411 | A-411 1/4" = 1'-0"



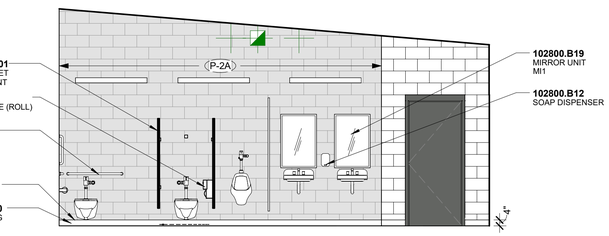

## D5 FAMILY TOILET 2-03 - W. ELEV.

A-411 | A-411 1/4" = 1'-0"



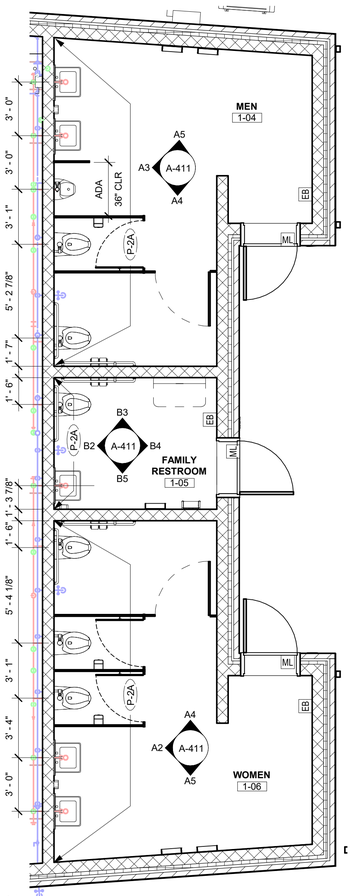

## C2 WOMENS TOILET 2-04

A-411 | A-411 1/4" = 1'-0"



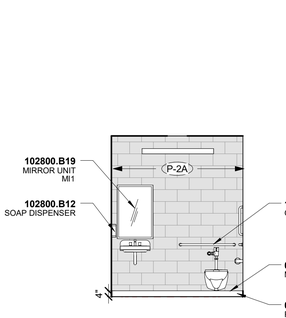

## C4 MENS TOILET 2-06

A-411 | A-411 1/4" = 1'-0"



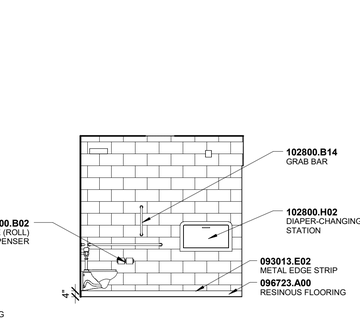

## A1 COMMUNITY HUB BUILDING - ENLARGED RESTROOM PLAN

A-111A | A-411 1/4" = 1'-0"



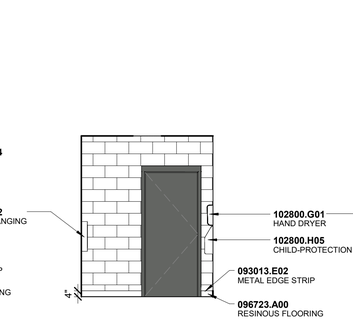

## B2 FAMILY TOILET 1-05 - NW ELEV.

A-411 | A-411 1/4" = 1'-0"



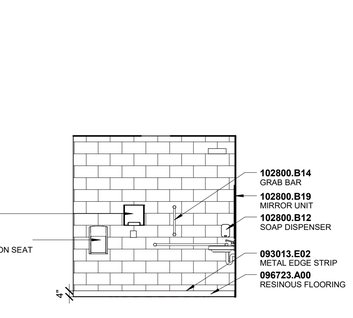

## B3 FAMILY TOILET 1-05 - NE ELEV.

A-411 | A-411 1/4" = 1'-0"



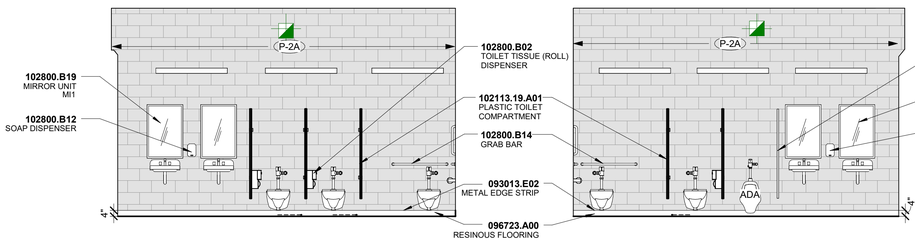

## B4 FAMILY TOILET 1-05 - SE ELEV.

A-411 | A-411 1/4" = 1'-0"



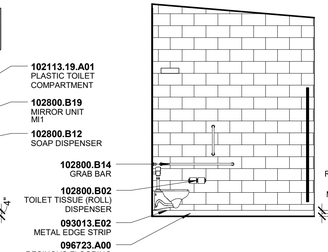

## B5 FAMILY TOILET 1-05 - SW ELEV.

A-411 | A-411 1/4" = 1'-0"



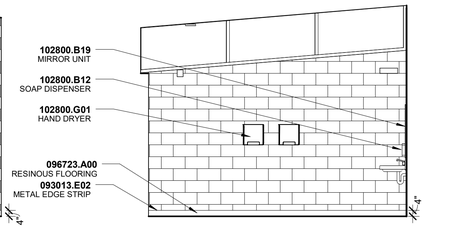

## A2 WOMENS TOILET 1-06

A-411 | A-411 1/4" = 1'-0"




## A3 MENS TOILET 1-04

A-411 | A-411 1/4" = 1'-0"




## A4 ADA TOILET STALL TYP. OF 1-04 & 1-06

A-411 | A-411 1/4" = 1'-0"

## A5 TOILET ROOM DRYERS TYP. OF 1-04 & 1-06

A-411 | A-411 1/4" = 1'-0"

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| **Project Number:** | 223072.00 |
| **Sheet Issue Date:** | 2024-11-22 |
| **Drawn By:** | MB |
| **Checked By:** | LG |

**Key Map**

**Drawing**

ENLARGED TOILET ROOM PLANS AND ELEVATIONS

# A-411

SITE PLAN SUBMITTAL


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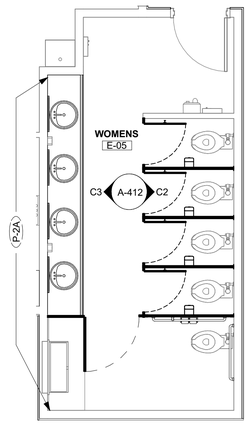
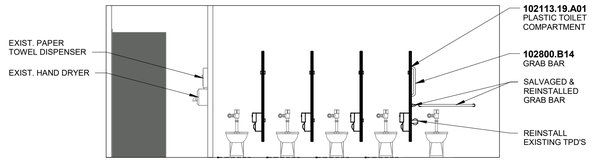


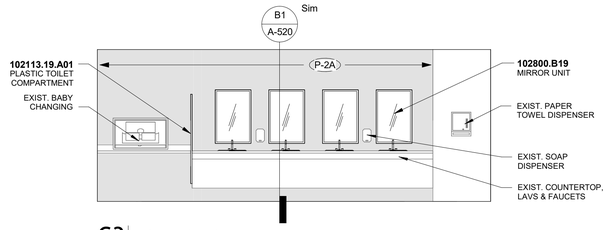

## C1 EXISTING CONCESSIONS BUILDING - WOMENS RESTROOM PLAN

A-111C | A-412 1/4" = 1'-0"



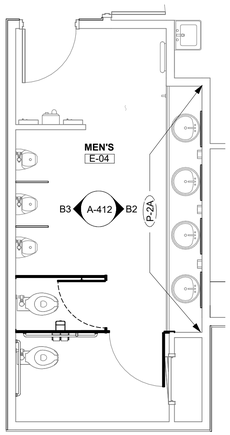

## C2 WOMENS E-05 - E. ELEV

A-412 | A-412 1/4" = 1'-0"



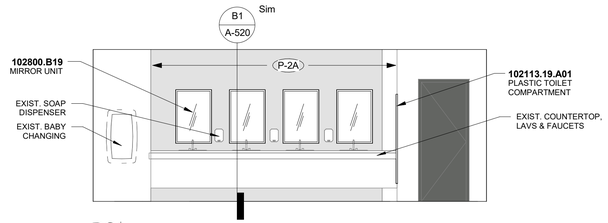

## C3 WOMENS E-05 - W. ELEV

A-412 | A-412 1/4" = 1'-0"



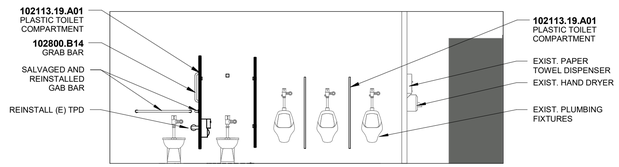

## B1 EXISTING CONCESSIONS BUILDING - MENS RESTROOM PLAN

A-111C | A-412 1/4" = 1'-0"



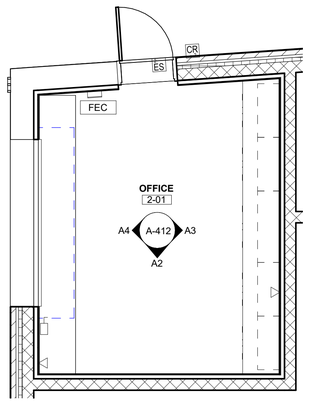

## B2 MENS E-04 - EAST ELEV.

A-412 | A-412 1/4" = 1'-0"



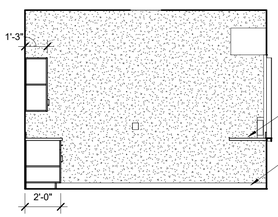

## B3 MENS E-04 - WEST ELEV.

A-412 | A-412 1/4" = 1'-0"



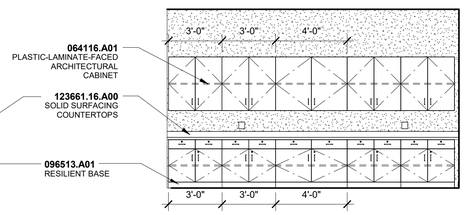

## A1 HEADQUARTERS BUILDING - OFFICE FLOOR PLAN

A-412 1/4" = 1'-0"



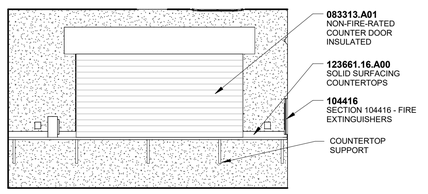

## A2 OFFICE 2-01 - SOUTH ELEV.

A-412 | A-412 1/4" = 1'-0"




## A3 OFFICE 2-01 - EAST ELEV.

A-412 | A-412 1/4" = 1'-0"




## A4 OFFICE 2-01 - WEST ELEV.

A-412 | A-412 1/4" = 1'-0"

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**Project Number:** 223072.00

**Sheet Issue Date:** 2024-11-22

**Drawn By:** ST

**Checked By:** LG

**Key Map**

**Drawing**

INTERIOR ENLARGED PLANS AND ELEVATIONS

# A-412

SITE PLAN SUBMITTAL
Page 268 of 311

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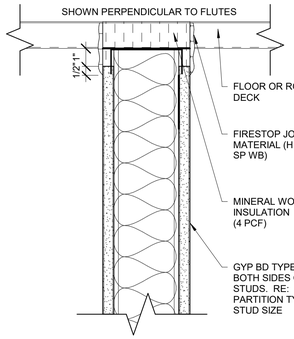
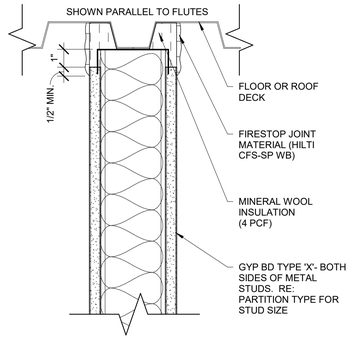
## HEAD CONDITION - RATED

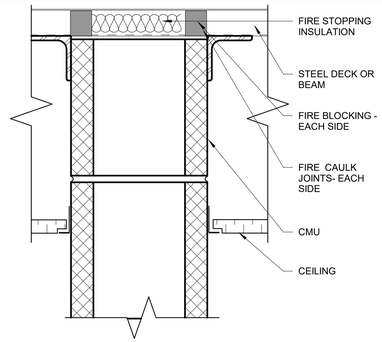



1 HOUR RATED HEAD

1---R

SEE GENERAL PARTITION TYPE FOR REQUIRED STUD SIZE AND LAYERS OF GYP. BD.
UL HW-D-1067

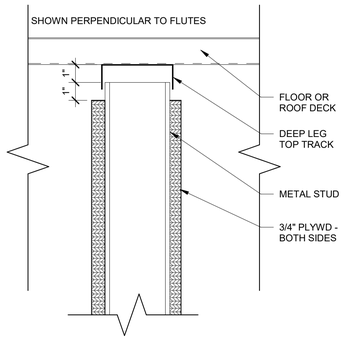



RATED CMU PARTITION HEAD

SEE GENERAL PARTITION TYPE FOR MASONRY WIDTH

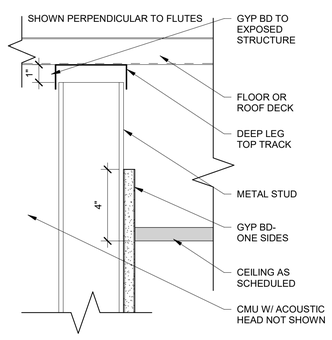
## HEAD CONDITION - NON-RATED




NON-RATED PARTITION HEAD

---N

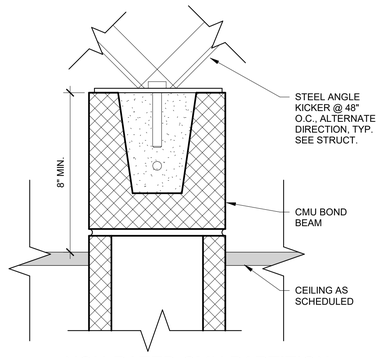
SEE GENERAL PARTITION TYPE FOR REQUIRED STUD SIZE AND LAYERS OF GYP. BD. (2 LAYERS SHOWN)




NON-RATED PARTITION HEAD

---N

SEE GENERAL PARTITION TYPE FOR REQUIRED STUD SIZE AND LAYERS OF GYP. BD.

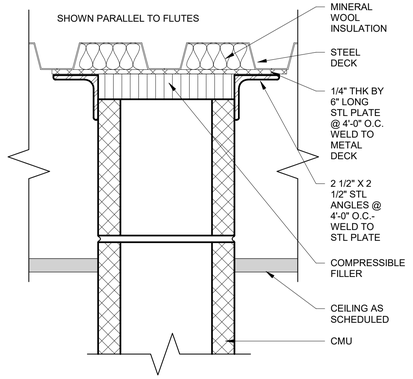


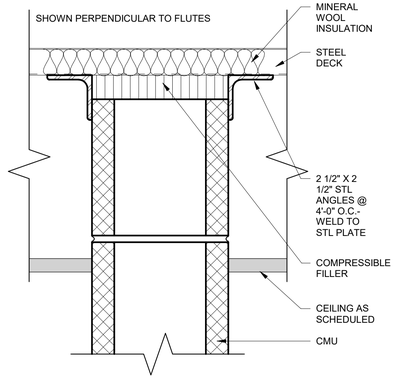

NON-RATED CMU PARTITION HEAD

---N

SEE GENERAL PARTITION TYPE FOR MASONRY WIDTH

## HEAD CONDITION - ACOUSTICAL

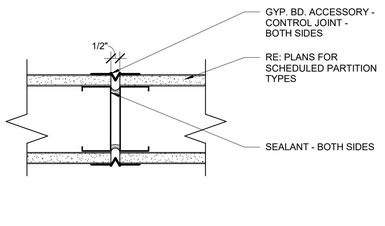


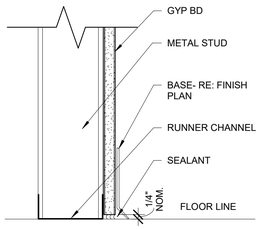

ACOUSTICAL CMU PARTITION HEAD

---A

SEE GENERAL PARTITION TYPE FOR MASONRY WIDTH



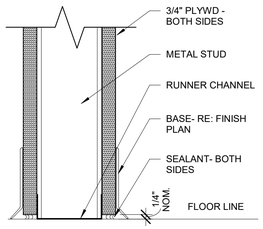

PLAN DETAIL - NON-RATED CONTROL JOINT




PARTITION TYPE 1

M21-

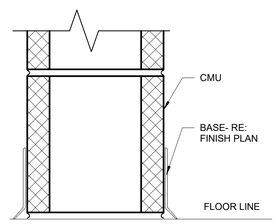
WITH 2-1/2" METAL STUD
(NOMINAL WIDTH 2)
PARTITION WIDTH = 3-1/8"




PARTITION TYPE 2

M32-

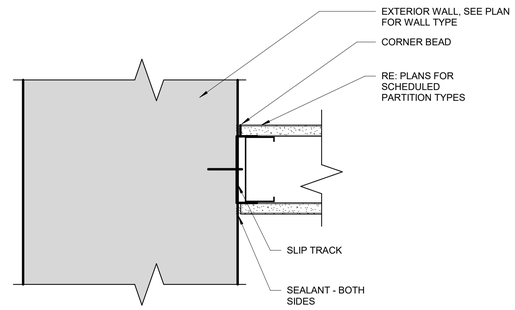
WITH 3-5/8" METAL STUD
(NOMINAL WIDTH 2)
PARTITION WIDTH = 5-1/8"




PARTITION TYPE 7 - CMU

C87-
U906

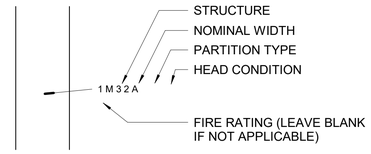
8"x8"x16" C.M.U.
(NOMINAL WIDTH 8)
U.L. DESIGN = U906




PLAN DETAIL @ EXTERIOR PERIMETER WALL

1 PARTITION TYPES- Salisbury
3" = 1'-0"

### PARTITION TYPES LEGEND




### PARTITION STRUCTURE LEGEND

| | |
|---|---|
| (M) STEEL STUD | XMXXX |
| (W) WOOD STUD | XWXXX |
| (C) CONCRETE BLOCK | XCXXX |
| (P) PRE-CAST CONCRETE | XPXXX |
| (S) SITE-CAST CONCRETE | XSXXX |

### PARTITION TYPES NOTES

1. PARTITION TYPES ARE INDICATED ON THE FLOOR PLANS.
2. ALL PARTITIONS SHALL EXTEND STRUCTURE TO STRUCTURE UNLESS NOTED OTHERWISE.
3. CONSTRUCTION OF FIRE-RATED PARTITIONS, INCLUDING TAPING AND FINISHING OF GYP. BD. FOR FULL HEIGHT TO STRUCTURE ABOVE, SHALL BE IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS TO ACHIEVE THE RATING INDICATED.
4. SOUND ISOLATION PARTITIONS SHALL BE SEALED AIRTIGHT FOR FULL HEIGHT TO PREVENT PASSAGE OF AIRBORNE SOUND. TAPE AND FINISH ALL GYP. BD. JOINTS AND FASTENERS, PROVIDE SEALANT AT PERIMETER AND AT ALL PENETRATIONS.
5. PROVIDE FIRE-RETARDANT TREATED WOOD BLOCKING FOR PARTITION MOUNTED EQUIPMENT AND CASEWORK.
6. PARTITION TYPES DESCRIBE THE PRIMARY MEMBER AND SHEATHING. REFER TO FINISH SCHEDULE FOR ALL PARTITION FINISH DESIGNATIONS.
7. PROVIDE SLIP JOINT CONNECTIONS AT THE TOPS OF ALL PARTITIONS WHICH INTERSECT THE STRUCTURE ABOVE. PROVIDE FIRE SAFING AT ALL SLIP JOINT CONNECTIONS IN FIRE RATED PARTITIONS.
8. PROVIDE GYP. BD. CONTROL JOINTS WHERE DESIGNATED ON THE INTERIOR ELEVATIONS (A-400 SHEETS) AND ANYWHERE THERE IS A CONTINUOUS RUN OF GYP. BD. THAT IS GREATER THAN 30'-0" IN LENGTH. CONFIRM THE LOCATION OF ADDITIONAL CONTROL JOINTS WITH THE ARCHITECT PRIOR TO INSTALLATION.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**Key Map**

**Drawing**

PARTITION TYPES

**A-510**

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Page 269 of 311

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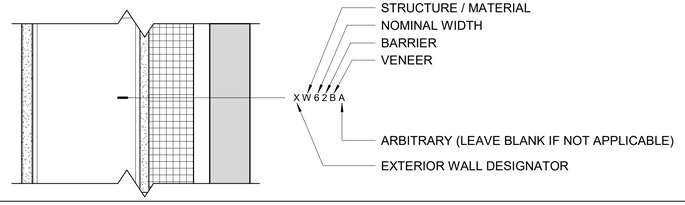
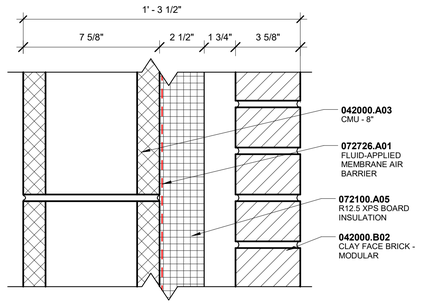
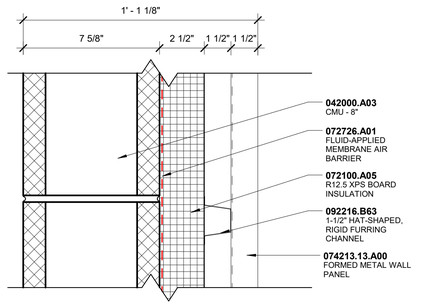
# ASSEMBLY TYPES LEGEND




POLY-ISO + AIR BARRIER

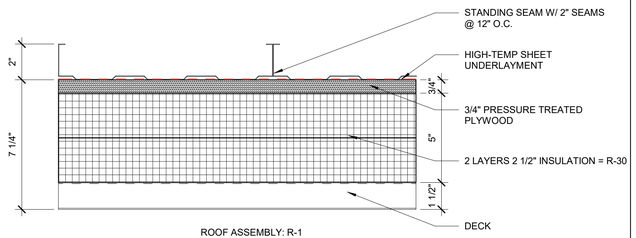
XC83B



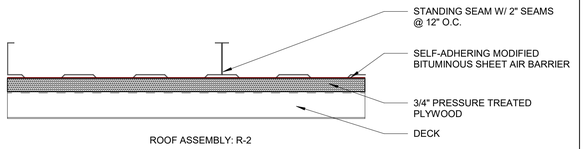

POLY-ISO + AIR BARRIER

XC83M

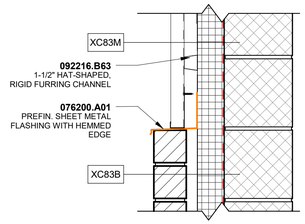
# ROOF TYPES LEGEND




ROOF ASSEMBLY: R-1

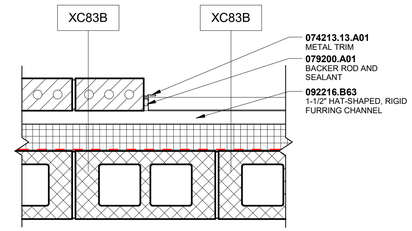



ROOF ASSEMBLY: R-2



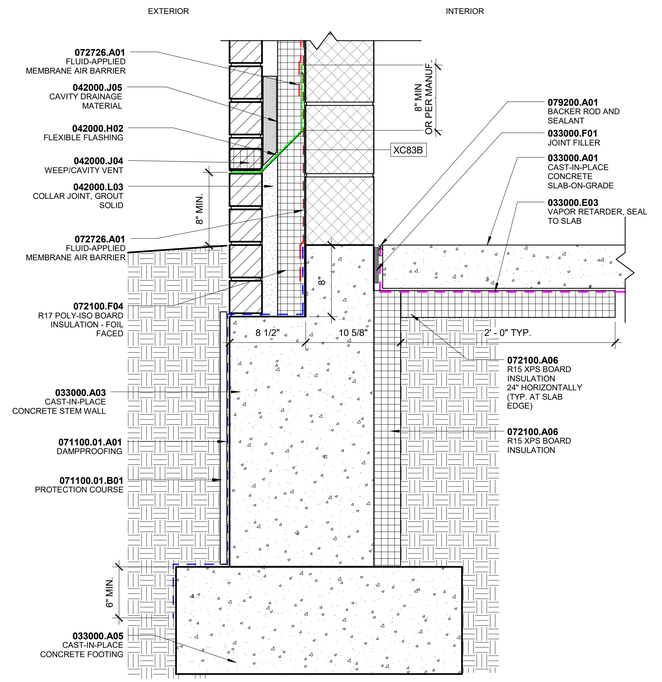

## D5 SECTION DETAIL - TRANSITION - BRICK AND METAL PANEL

A-310 | A-511 1 1/2" = 1'-0"




## C5 PLAN DETAIL - TRANSITION - BRICK AND METAL PANEL

A-511 1 1/2" = 1'-0"




## A4 FOUNDATION - XC123B

A-310 | A-511 1 1/2" = 1'-0"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**Key Map**

**Drawing**

ASSEMBLY SYSTEMS & EXTERIOR DETAILS

# A-511

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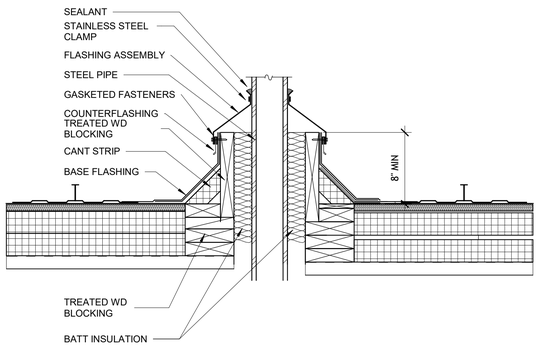
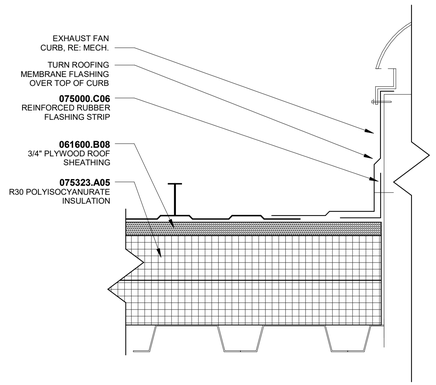



ROOF ASSEMBLY: R-1

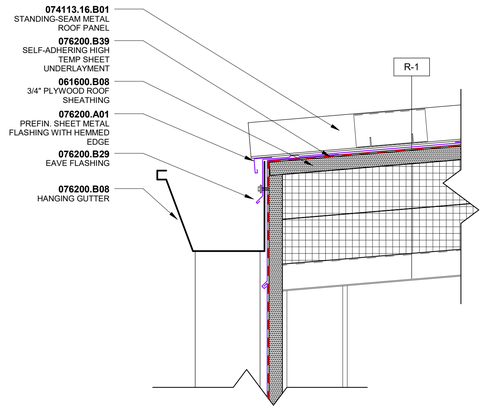
## C1 ROOF EXHAUST PIPE PENETRATION

A-512 | 1 1/2" = 1'-0"



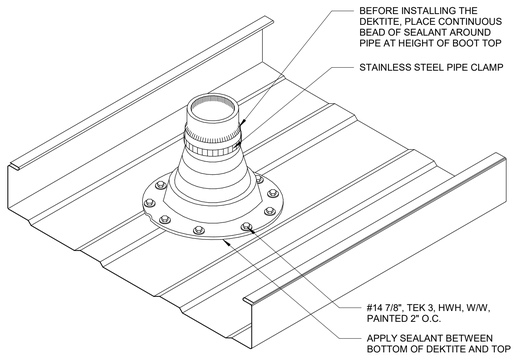

## C2 ROOF DETAIL - EXHAUST FAN CURB

A-512 | 3" = 1'-0"



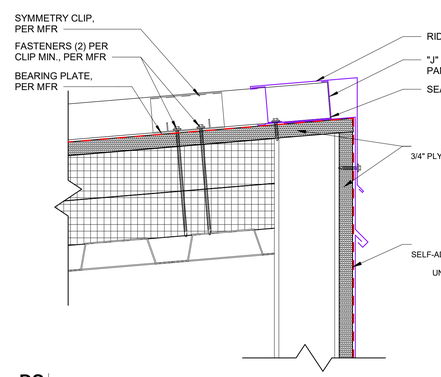

## C3 OVERHANG - GUTTER

A-310 | A-512 | 3" = 1'-0"



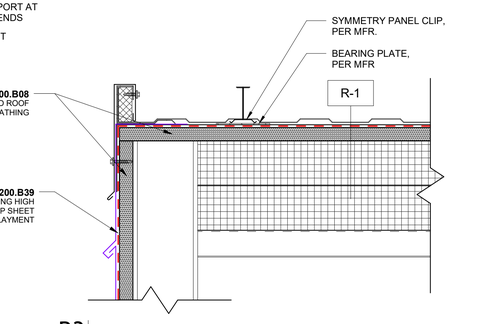

## B1 ROOF DETAIL - PIPE PENETRATION AXON

A-512 | 3" = 1'-0"



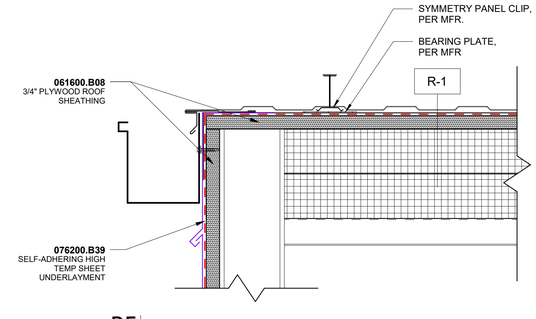

## B2 ROOF DETAIL - HIGH EAVE FIXED

A-512 | A-512 | 3" = 1'-0"



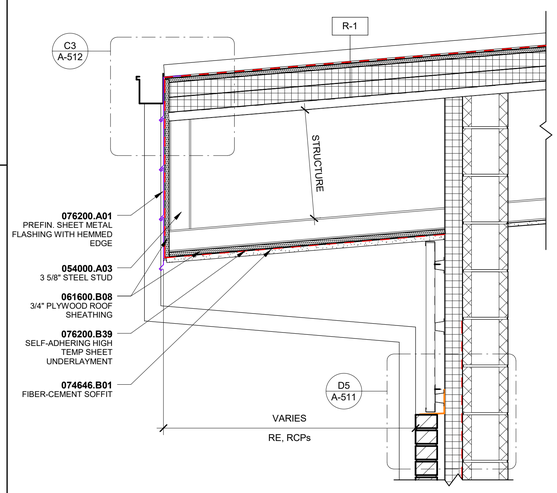

## B3 ROOF DETAIL - RAKE EDGE

A-512 | A-512 | 3" = 1'-0"



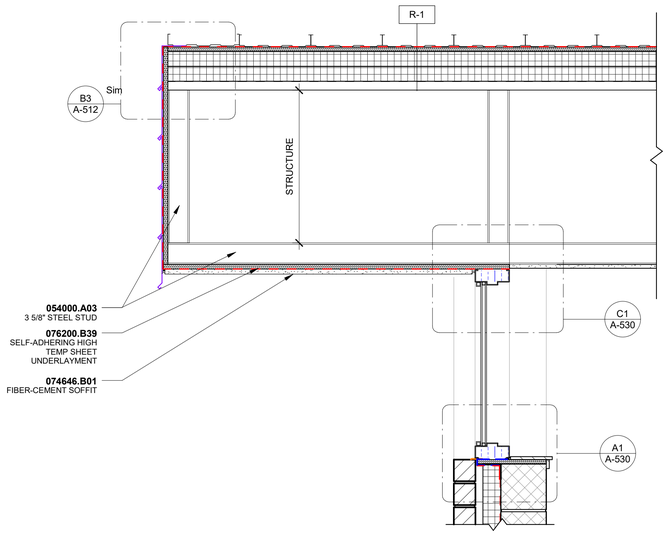

## B5 ROOF DETAIL - RAKE EDGE GUTTER

A-512 | 3" = 1'-0"



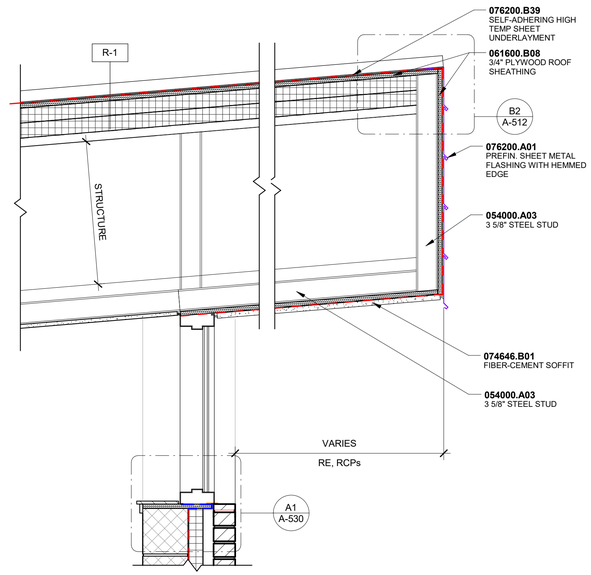

## A1 OVERHANG - LOW SIDE SLOPED ROOF

A-310 | A-512 | 1" = 1'-0"




## A2 CLERESTORY @ ROOF OVERHANG

A-300 | A-512 | 1" = 1'-0"




## A4 OVERHANG - HIGH SIDE SLOPED ROOF

A-310 | A-512 | 1" = 1'-0"

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EXTERIOR DETAILS - ROOFING

# A-512

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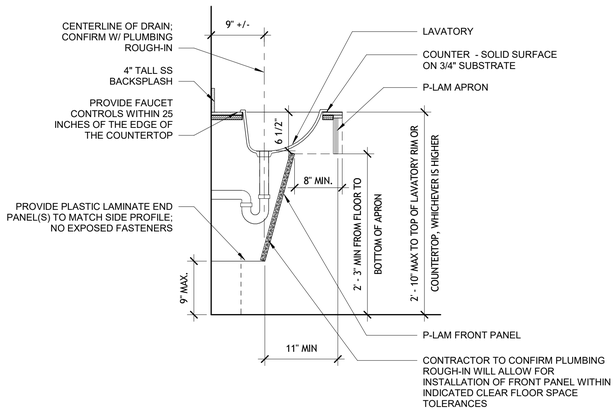
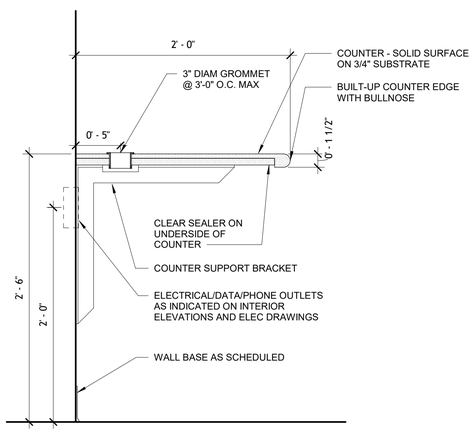


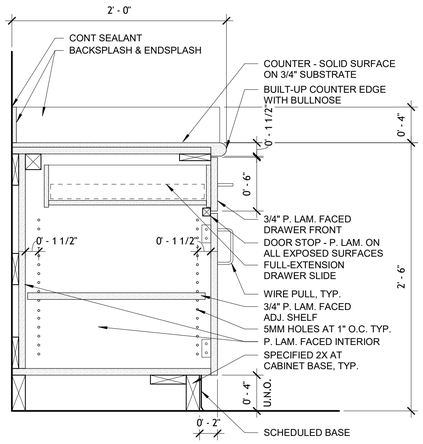

**B1** ACCESSIBLE LAVATORY DETAIL-GRANITE OR SOLID SURFACE COUNTER

A-412 | A-520 1" = 1'-0"



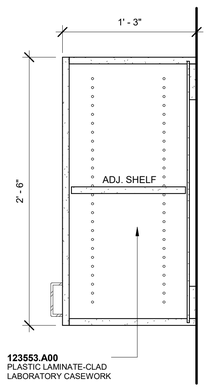

**A1** TYP. COUNTER SUPPORT

A-520 1 1/2" = 1'-0"



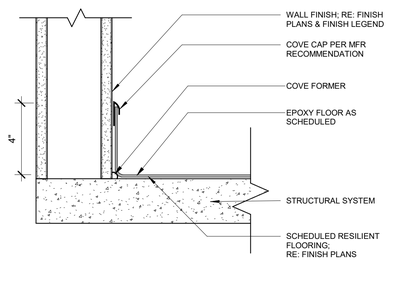

**A2** BCC/BCD/BCE.1 BASE CABINET W/ DRAWER

A-520 1 1/2" = 1'-0"




**A3** CASEWORK SECTION - UPPER CABINET

A-520 1 1/2" = 1'-0"




**A4** FLOORING TRANSITION - EPOXY FLOORING INTEGRAL BASE

A-520 3" = 1'-0"

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**Key Map**

**Drawing**

INTERIOR DETAILS

# A-520



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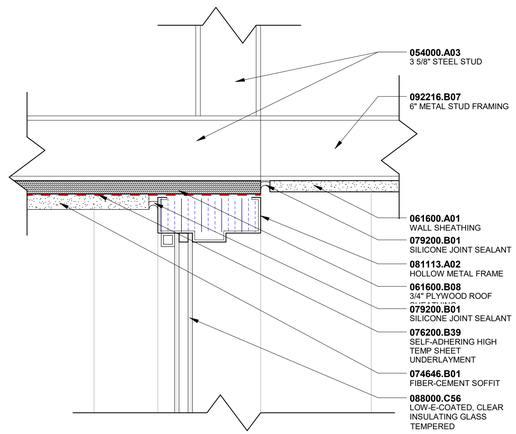
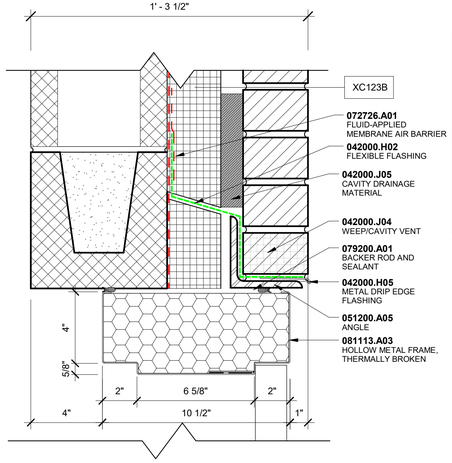


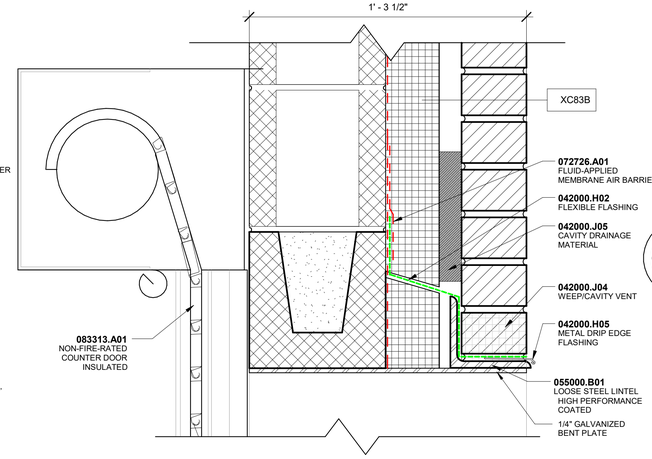

## C1 HM HEAD @ SOFFIT

A-512 | A-530 3" = 1'-0"



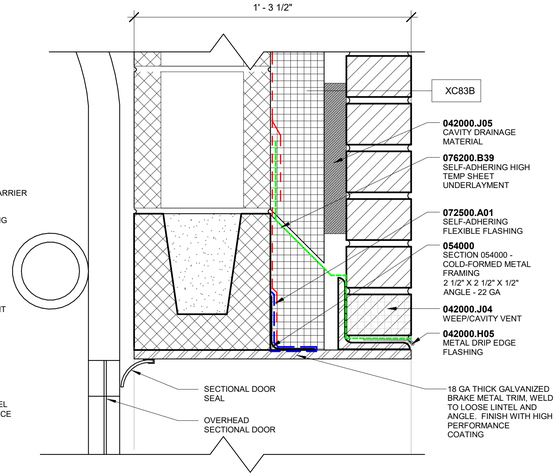

## C2 HM HEAD @ XC83B

A-530 3" = 1'-0"



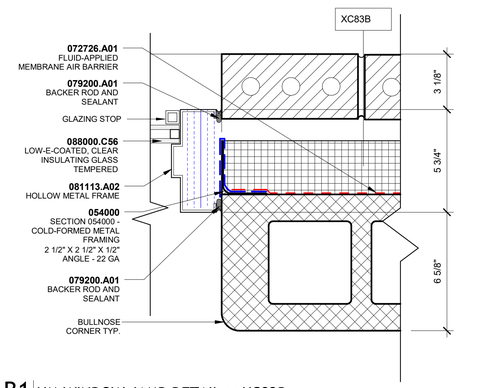

## C3 COILING DOOR HEAD @ XC8B3

A-530 3" = 1'-0"



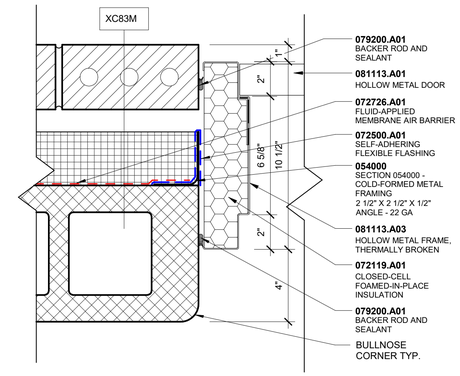

## C4 OVERHEAD SECTIONAL DOOR @ XC83B

A-530 3" = 1'-0"



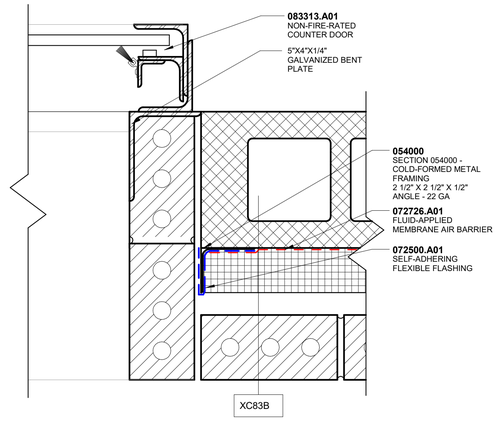

## B1 HM WINDOW JAMB DETAIL @ XC83B

A-530 3" = 1'-0"



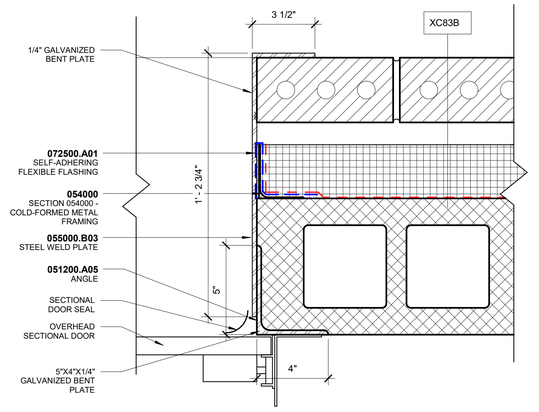

## B2 HM JAMB XC83B

A-530 3" = 1'-0"



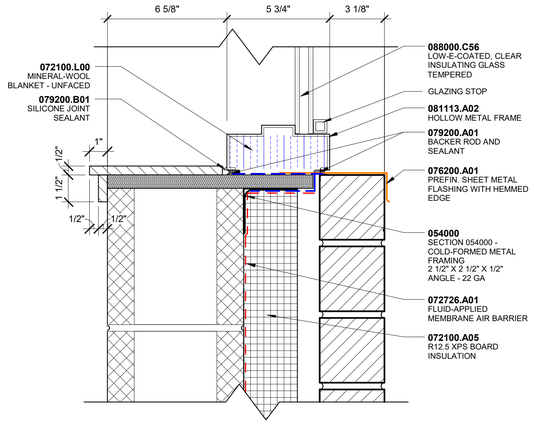

## B3 COILING DOOR JAMB @ XC8B3

A-530 3" = 1'-0"



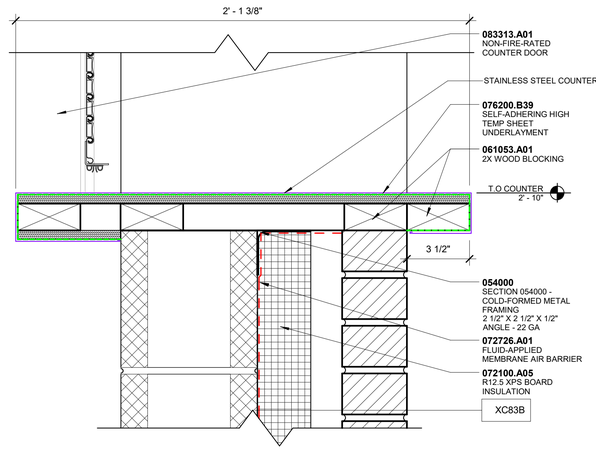

## B4 GARAGE SECTIONAL DOOR @ XC83B

A-530 3" = 1'-0"



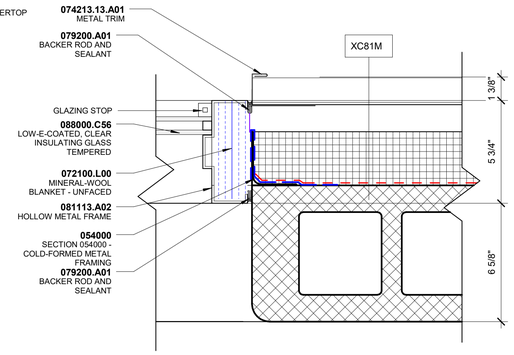

## A1 EXT. SILL DETAIL @ XC83B

A-310 | A-530 3" = 1'-0"




## A2 COILING DOOR SILL @ XC8B3

A-530 3" = 1'-0"




## A4 HM WINDOW JAMB DETAIL @ XC81M

A-530 3" = 1'-0"

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Town of Parker
# SALISBURY PARK NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134

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|---|---|
| **Project Number:** | 223072.00 |
| **Sheet Issue Date:** | 2024-11-22 |
| **Drawn By:** | ST |
| **Checked By:** | LG |

**Key Map**

**Drawing**

DOOR & WINDOW DETAILS

# A-530

SITE PLAN SUBMITTAL


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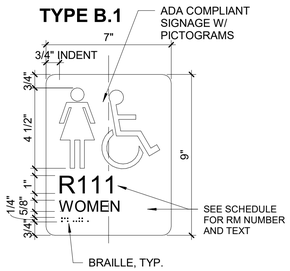
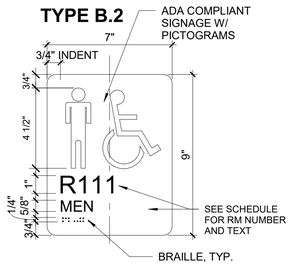
## SIGNAGE SCHEDULE

| Signage Door Mark | Signage Type | Signage Number | Signage Text | Signage Placement | Comments |
|---|---|---|---|---|---|
| 1-01.2 | D | 1-01 | 1-01 | EXTERIOR | |
| 1-02.0 | D | 1-02 | 1-02 | EXTERIOR | |
| 1-02.2 | D | 1-02 | 1-02 | STORAGE | |
| 1-03.1 | D | 1-03 | 1-03 | EXTERIOR | |
| 1-04 | B.2 | 1-04 | MEN | EXTERIOR | |
| 1-05 | B.3 | 1-05 | FAMILY RESTROOM | EXTERIOR | |
| 1-06 | B.1 | 1-06 | WOMEN | EXTERIOR | |
| 2-01 | D | 2-01 | 2-01 | EXTERIOR | |
| 2-02 | D | 2-02 | 2-02 | EXTERIOR | |
| 2-03 | B.3 | 2-03 | FAMILY RESTROOM | EXTERIOR | |
| 2-04 | B.1 | 2-04 | WOMEN | EXTERIOR | |
| 2-05 | D | 2-05 | 2-05 | EXTERIOR | |
| 2-06 | B.2 | 2-06 | MEN | EXTERIOR | |
| 2-07 | D | 2-07 | 2-07 | EXTERIOR | |
| 2-08 | D | 2-08 | 2-08 | EXTERIOR | |

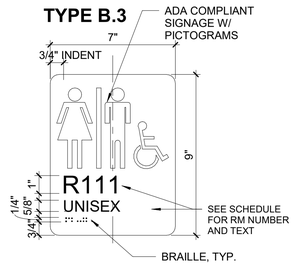
**TYPE B.1**



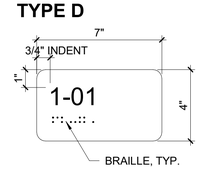

**TYPE B.2**




**TYPE B.3**




**TYPE D**





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PLANNING

INTERIOR DESIGN

| Δ | DATE | DESCRIPTION |
|---|---|---|
| | | |

**Project Number:** 223072.00
**Sheet Issue Date:** 2024-11-22
**Drawn By:** ST
**Checked By:** LG

**Key Map**

**Drawing**

ROOM SIGNAGE

# A-600

SITE PLAN SUBMITTAL


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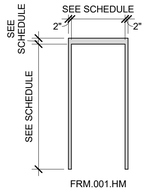
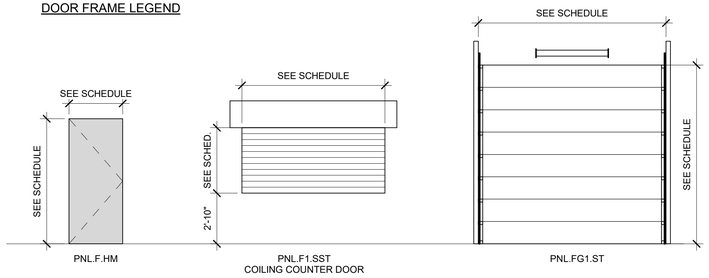
# DOOR SCHEDULE

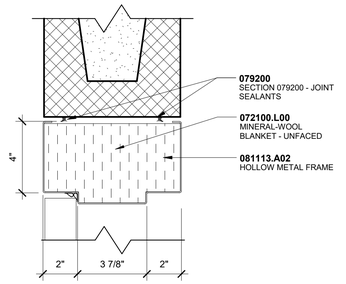
| MARK | ROOM NAME | DOOR | | | | | | | FRAME | | | DETAILS | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PANEL 1 WIDTH | PANEL 2 WIDTH | PANEL TYPE | HEIGHT | MATERIAL | PANEL THICKNESS | HARDWARE SET | TYPE | FRAME HEAD HT | FIRE RATING | HEAD | JAMB | |
| 1-01.1 | STORAGE | 8' - 8" | | PNL.F. STL | 8' - 0" | STEEL | 0' - 1" | MANUF. | FRM.FG1.ST | | | C4/A-530 | B4/A-530 | |
| 1-01.2 | STORAGE | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 04 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 1-02.1 | ELEC. | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 05 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 1-02.2 | ELEC. | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 06 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 1-03.1 | IT ROOM | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 04 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 1-04 | MEN | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 02 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 1-05 | FAMILY RESTROOM | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 01 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 1-06 | WOMEN | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 02 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 2-01 | OFFICE | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 04 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 2-01.1 | OFFICE | 9' - 4" | | PNL.F1.STL | 4' - 8" | STEEL | 0' - 1" | MANUF. | FRM.F1.ST | | - | C3/A-530 | B3/A-530 | INSULATED COUNTER DOOR |
| 2-02 | IT | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 04 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 2-03 | FAMILY RESTROOM | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 01 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 2-04 | WOMEN | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 02 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 2-05 | UTILITY | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 04 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 2-06 | MEN | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 02 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 2-07 | ELEC. | 3' - 0" | | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 05 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| 2-08 | STORAGE | 3' - 2" | 3' - 2" | PNL.F.HM | 7' - 0" | HM | 0' - 1 3/4" | 03 | FRM.001.HM1 | 0' - 4" | | C2/A-530 | B2/A-530 | |
| E-03.1 | CONCESSION | 8' - 0" | | PNL.F1.STL | 3' - 8" | STEEL | 0' - 1" | MANUF. | FRM.F1.ST | | - | D4/A-311 | B4/A-311 | INSULATED COUNTER DOOR |



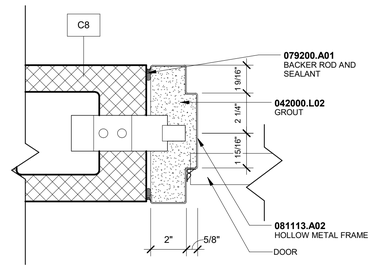

DOOR FRAME LEGEND




DOOR PANEL LEGEND



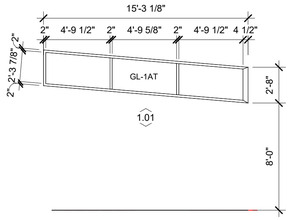

D5 HM HEAD C87A
A-610 3" = 1'-0"

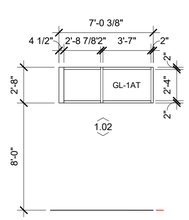


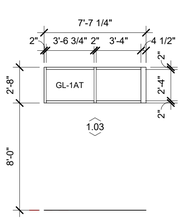

C5 HM JAMB C87A
A-610 3" = 1'-0"

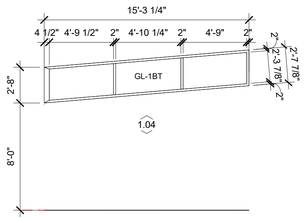
## GLAZING LEGEND

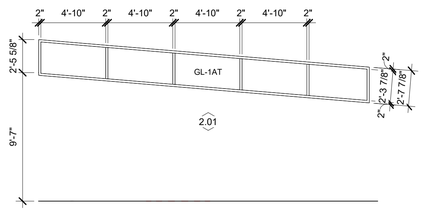
GL-1AT: 1" VISION GLASS, TEMPERED (SOUTH/WEST/EAST)
GL-1BT: 1" VISION GLASS, TEMPERED (NORTH)

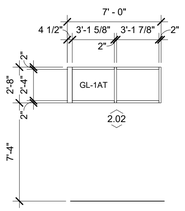


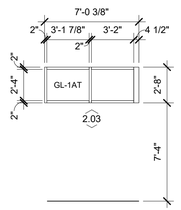



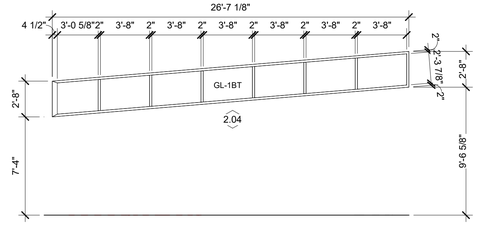



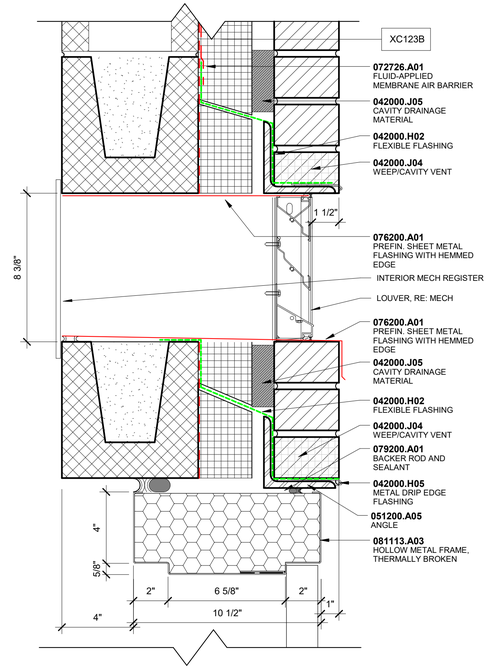




A4 HM HEAD @ XC83B WITH MECH LOUVER
A-610 3" = 1'-0"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Town of Parker
**SALISBURY PARK NORTH - PHASE 1**
11700 MOTSENBOCKER RD
PARKER, CO 80134

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ARCHITECTURE
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| Δ | DATE | DESCRIPTION |
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|---|---|
| **Project Number:** | 223072.00 |
| **Sheet Issue Date:** | 2024-11-22 |
| **Drawn By:** | ST |
| **Checked By:** | LG |

**Key Map**

**Drawing**

DOOR & CLERESTORY SCHEDULE AND TYPES

# A-610

SITE PLAN SUBMITTAL
Page 275 of 311

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# FAN SCHEDULE

| SYMBOL | AREA SERVED | MANUFACTURER MODEL | TYPE | CFM @ 5,400' | ESP IN WC @5,400' | DRIVE TYPE | SONES [DBA] | FAN RPM | HP | ELECTRICAL DATA V / PH | CONTROL | WEIGHT (LBS.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EF-1 | MEN/WOMAN ROOM | GREENHECK CSP-A-510 | IN-LINE CABINET | 350 | 0.40 | DIRECT | 0.9 | 1182 | 66W | 115 / 1 | LIGHT INTERLOCK | 40 | 2,4 |
| EF-2 | FAMILY RESTROOM | GREENHECK CSP-A200 | IN-LINE CABINET | 100 | 0.40 | DIRECT | 1.4 | 825 | 96W | 115 / 1 | LIGHT INTERLOCK | 30 | 2 |
| EF-3 | 1-01 STORAGE | GREENHECK G-100 | CENTRIFUGAL ROOF | 1,000 | 0.40 | DIRECT | 8.4 | 1480 | 1/4 | 115 / 1 | WALL TIMER | 65 | 1 |
| EF-4 | ELEC/IT | GREENHECK CSP-A-510 | IN-LINE CABINET | 350 | 0.40 | DIRECT | 0.9 | 1182 | 66W | 115 / 1 | 24V T-STAT | 40 | 2,3 |

REMARKS:
1. PROVIDE WITH GRAVITY BACKDRAFT DAMPER, ECM MOTOR, AND ROOF CURB.
2. PROVIDE WITH GRAVITY BACKDRAFT DAMPER, DAMPER TRAY, ECM MOTOR, MANUFACTURER'S ROOF CAP
3. PROVIDE EF-4 IN STORAGE ROOM 2-08 WITH A LINE VOLTAGE WALL TIMER IN LIEU OF A THERMOSTAT.
4. PROVIDE EF-1 IN UTILITY ROOM 2-05 WITH A LINE VOLTAGE WALL TIMER IN LIEU OF A THERMOSTAT.

# ELECTRIC CABINET UNIT HEATER SCHEDULE

| SYMBOL | AREA SERVED | MANUF. MODEL | CABINET TYPE | INLET / DISCHARGE CONFIGURATION | CFM @ 5,400' | OUTPUT (MBH) | KW | MOTOR HP | ELECTRICAL DATA | | | CONTROL | WEIGHT (LBS.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | V / PH | MCA | MOCP | | | |
| ECUH-1 | RESTROOM | QMARK CDF558 | CEILING RECESSED | BOTTOM/ BOTTOM | 100 | 17 | 5 | 1 / 100 | 208/1 | 24 | - | UNIT T-STAT | 30 | 1 |
| ECUH-2 | FAMILY RESTROOM | QMARK CDF548 | CEILING RECESSED | BOTTOM/ BOTTOM | 100 | 7 | 2 | 1 / 100 | 208/1 | 10 | - | UNIT T-STAT | 30 | 1 |

REMARKS:
1. SEE SPECIFICATIONS FOR OPTIONS, ACCESSORIES, CONTROLS AND SEQUENCE OF OPERATION.

# ELECTRIC UNIT HEATER SCHEDULE

| SYMBOL | AREA SERVED | MANUF. MODEL | MOUNTING TYPE | DISCHARGE TYPE | CFM@ 5,400' | OUTPUT (MBH) | KW | MOTOR HP | ELECTRICAL | | | CONTROL | WEIGHT (LBS.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | V / PH | MCA | MOCP | | | |
| EUH-1 | STORAGE SPACES | QMARK MUH05-81 | VERTICAL | HORIZONTAL | 350 | 17 | 5 | 1 / 100 | 208 / 1 | 24 | - | UNIT T-STAT | 30 | 1, 2 |

REMARKS:
1. SELECTION BASED ON 50°F. EAT
2. PROVIDE WITH MOUNTING BRACKETS, SUPPORTS MOUNTING TYPE.

# LOUVER SCHEDULE

| SYMBOL | SERVICE | MANUFACTURER MODEL | CFM | SIZE W" x H" | FREE AREA SQ. FT. | MAX APD IN WC | ACCESSORIES | FRAME | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| LVR-1 | INTAKE | GREENHECK ESD-202 | 350 | 40x8 | 0.6 | 0.05 | BIRDSCREEN | FLANGED | 1,2 |
| LVR-2 | INTAKE | GREENHECK ESD-202 | 100 | 40x8 | 0.6 | 0.05 | BIRDSCREEN | FLANGED | 1,2 |
| LVR-3 | INTAKE | GREENHECK ESD-635 | 1000 | 28x16 | 0.6 | 0.05 | BIRDSCREEN | FLANGED | 1,2 |

REMARKS:
1. PROVIDE WITH FACTORY APPLIED BAKED ENAMEL FINISH, COORDINATE COLOR WITH ARCHITECT.
2. PROVIDE WITH 1/2"x1/2" ALUMINUM BIRDSCREEN ON INTERIOR FACE OF LOUVER AND BAROMETRIC BACKDRAFT DAMPER.

# DUCTLESS SPLIT AIR CONDITIONING SYSTEM SCHEDULE

| SYMBOL | AREA SERVED | MANUFACTURER MODEL | ASSOCIATED CONDENSING UNIT | COOLING CAPACITY (MBH) | CFM | MIN. EFF SEER @AHRI | REFRIGERANT DATA | | | | ELECTRICAL | | WEIGHT (LBS.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | RL(IN) | RS(IN) | TYPE | LBS | V / PH | MCA | | |
| AC-1 | IT ROOM | LG ARNU303SVA4 | CU-1 | 30 | 706 | 23 | 3/8 | 5/8 | R410A | 3.5 | 208/1 | 0.5 | 40 | 1,2 |
| AC-2 | IT ROOM | LG ARNU303SVA4 | CU-1 | 30 | 706 | 23 | 3/8 | 5/8 | R410A | 3.5 | 208/1 | 0.5 | 40 | 1,2 |
| AC-3 | IT ROOM | LG ARNU303SVA4 | CU-2 | 30 | 706 | 23 | 3/8 | 5/8 | R410A | 3.5 | 208/1 | 0.5 | 40 | 1,2 |
| AC-4 | OFFICE | LG ARNU283TAA4 | CU-2 | 28 | 770 | 23 | 3/8 | 5/8 | R410A | 3.5 | 208/1 | 1.6 | 65 | 1,2 |
| AC-5 | IT ROOM | LG LSN303HLV3 | CU-3 | 30 | 601 | 20.5 | 3/8 | 5/8 | R410A | 5.3 | 208/1 | 0.25 | 45 | 1,2 |

REMARKS:
1. WALL-MOUNTED UNIT AT MINIMUM 8' AFF.
2. PROVIDE WITH REFRIGERATION LINE KIT, FACTORY CONDENSATE PUMP AND WIRED THERMOSTAT.

# DUCTLESS SPLIT SYSTEM CONDENSING UNIT SCHEDULE

| SYMBOL | AREA SERVED | MANUFACTURER MODEL | ASSOCIATED INDOOR UNIT | COOLING CAPACITY (MBH) | MIN. EFF SEER @AHRI | REFRIGERANT DATA | | | | ELECTRICAL | | | | WEIGHT (LBS.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | RL(IN) | RS(IN) | TYPE | LBS | V / PH | MCA | MOCP | SCCR | | |
| CU-1 | IT ROOM | LG ARUN060GSS4 | AC-1, AC-2 | 64 | 23 | 3/8 | 3/4 | R410A | 7.7 | 208/1 | 25 | 40 | - | 260 | 1,2 |
| CU-2 | IT ROOM/ OFFICE | LG ARUN060GSS4 | AC-3, AC-4 | 64 | 23 | 3/8 | 3/4 | R410A | 7.7 | 208/1 | 25 | 40 | - | 260 | 1,2 |
| CU-3 | IT ROOM | LG LSU303HLV3 | AC-5 | 30 | 20.5 | 3/8 | 5/8 | R410A | 5.3 | 208/1 | 23 | 30 | - | 150 | 1,2 |

REMARKS:
1. PROVIDE WITH PATE MODEL SCEB ROOF BASE WITH SOLID COVER AND SSC-1 PIPING BOOTS. RE: DETAIL X/XXX
2. PROVIDE WITH LOW AMBIENT KIT.

# 2021 CODE NOTES

CODE NOTES
ABBREVIATIONS USED WITHIN INCLUDE:

| YEAR | ABBREV. | CODE TYPE |
|---|---|---|
| 2021 | IBC | INTERNATIONAL BUILDING CODE |
| 2021 | IEBC | INTERNATIONAL EXISTING BUILDING CODE |
| 2021 | IMC | INTERNATIONAL MECHANICAL CODE |
| 2021 | IECC | INTERNATIONAL ENERGY CONSERVATION CODE |
| 2021 | IPC | INTERNATIONAL PLUMBING CODE |
| 2021 | CPC | COLORADO PLUMBING CODE |
| 2021 | IFC | INTERNATIONAL FIRE CODE |
| 2021 | IFGC | INTERNATIONAL FUEL GAS CODE |
| 2021 | CFGC | COLORADO FUEL GAS CODE |
| 2023 | NEC | NATIONAL ELECTRIC CODE |
| 2017 | ICC | INTERNATIONAL CODE COUNCIL (A117.1) |
| 2017 | ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE |
| 2021 | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |

1. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AS NOTED ABOVE.
2. AN AIR BALANCE REPORT SHALL BE PROVIDED TO THE BUILDING INSPECTOR TO ASSURE THAT PROPER AIRFLOWS AND SYSTEM BALANCE IS ACHIEVED AT TIME OF FINAL INSPECTIONS.
3. ALL MATERIALS INSTALLED WITHIN A PLENUM SHALL MEET THE FLAME/SMOKE LISTED INDEX OF 25/50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723, OR BE INSTALLED TO COMPLY THE WITH REQUIREMENTS OF SECTION 703.3 OF THE IBC.
4. PIPE SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 305.4, AND ANSI/MSS SP-58.
5. ALL EQUIPMENT INSTALLED ON ELEVATED ROOFS SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ROOF EDGE PER 2021 IMC SECTION 306.
6. BUILDING HEATING AND COOLING LOADS ARE PERFORMED IN ACCORDANCE WITH ASHRAE/ACCA STANDARD 183, THROUGH THE USE OF COMPUTER LOAD CALCULATION PROCEDURES IN ACCORDANCE WITH 2021 IMC 312, AND 2021 IECC CHAPTER 3. THE METHODOLOGY UTILIZED IN LOAD CALCULATIONS IS TETD-TA1 IN ACCORDANCE WITH ASHRAE STANDARD 183 APPENDIX A. BUILDING PROPERTIES UTILIZED FOR HEATING AND COOLING LOAD CALCULATIONS HAVE BEEN PERFORMED BASED ON DESIGN ENVELOPE, FENESTRATION, LIGHTING, OCCUPANCY AS OUTLINED ON THE CONSTRUCTION DOCUMENTS, AND WEATHER CONDITIONS PER 2021 IECC SECTION 402.
7. ALL DUCTWORK SHALL BE CONSTRUCTED, INSTALLED, AND SEALED PER 2021 IMC SECTION 603.
8. PIPING SHALL BE INSTALLED AS TO PREVENT DETRIMENTAL STRAINS AND STRESSES PER 2021 IMC SECTION 1206.
9. DUCT AND TRANSFER OPENINGS SHALL BE INSTALLED IN ACCORDANCE WITH 2021 IMC SECTION 607. FIRE DAMPERS, SMOKE DAMPERS, AND COMBINATION FIRE/SMOKE DAMPERS SHALL BE INSTALLED WHERE REQUIRED IN 2021 IBC SECTIONS 714.2 THROUGH 714.4.
10. BUILDING PROPERTIES UTILIZED FOR BUILDING HEATING AND COOLING LOAD CALCULATIONS SHALL BE PERFORMED BASED ON DESIGN ENVELOPE, FENESTRATION, LIGHTING, OCCUPANCY, AND WEATHER CONDITIONS AS OUTLINED ON THE CONSTRUCTION DOCUMENTS PER 2021 IECC SECTION C402. REFER TO ARCHITECTURAL AND ELECTRICAL FOR REPRESENTATIVE ENVELOPE AND LIGHTING INFORMATION.
11. BUILDING MECHANICAL HEATING AND COOLING EQUIPMENT SHALL MEET MINIMUM ENERGY EFFICIENCIES OUTLINED IN 2021 IECC SECTION C403.

# HVAC ABBREVIATIONS

| SYMBOL | DESCRIPTION |
|---|---|
| ABV | ABOVE |
| AC | AIR CONDITIONER / CONDITIONING |
| AFF | ABOVE FINISHED FLOOR |
| AP | ACCESS PANEL |
| ALT | ALTITUDE |
| APD | AIR PRESSURE DROP |
| APPROX | APPROXIMATE, APPROXIMATELY |
| ARCH | ARCHITECT, ARCHITECTURAL |
| BLW | BELOW |
| BTUH | BRITISH THERMAL UNITS PER HOUR |
| CAP | CAPACITY |
| CFM | CUBIC FEET PER MINUTE |
| CLG | CEILING |
| ΔT °F | CHANGE IN TEMPERATURE DEGREES FAHRENHEIT |
| CONC | CONCRETE |
| CONT | CONTINUE |
| CONST | CONSTRUCT, CONSTRUCTION |
| COORD | COORDINATE |
| DDC | DIRECT DIGITAL CONTROL |
| DIA | DIAMETER |
| DN | DOWN |
| EAT | ENTERING AIR TEMPERATURE |
| EWT | ENTERING WATER TEMPERATURE |
| EA | EACH |
| EC | ELECTRICAL CONTRACTOR |
| ELEC | ELECTRIC, ELECTRICAL |
| (E) | EXISTING |
| ESP | EXTERNAL STATIC PRESSURE |
| °F | DEGREES FAHRENHEIT |
| FT | FEET |
| FLR | FLOOR |
| GC | GENERAL CONTRACTOR |
| GPM | GALLONS PER MINUTE |
| HZ | HERTZ |
| HORIZ | HORIZONTAL |
| HP | HORSEPOWER |
| IN | INCHES |
| LAT | LEAVING AIR TEMPERATURE |
| LBS | POUNDS |
| LWT | LEAVING WATER TEMPERATURE |
| MAX | MAXIMUM |
| MBH | 1,000 BTUH |
| MFG | MANUFACTURER |
| MC | MECHANICAL CONTRACTOR |
| MCA | MINIMUM CIRCUIT AMPACITY |
| MIN | MINIMUM |
| MTD | MOUNTED |
| (N) | NEW |
| NC | NORMALLY CLOSED, NOISE CRITERIA |
| NO | NORMALLY OPEN |
| NTS | NOT TO SCALE |
| OA | OUTSIDE AIR |
| OAT | OUTSIDE AIR TEMPERATURE |
| OBD | OPPOSED BLADE DAMPER |
| PSIG | POUNDS PER SQUARE INCH GAUGE |
| PD | PRESSURE DROP |
| PRV | PRESSURE REDUCING VALVE |
| (R) | RELOCATED |
| RA | RETURN AIR |
| RL | REFRIGERANT LIQUID |
| RS | REFRIGERANT SUCTION |
| RPM | REVOLUTIONS PER MINUTE |
| Ø | ROUND, PHASE |
| SA | SUPPLY AIR |
| SEER | SEASONAL ENERGY EFFICIENCY RATING |
| SL | SEA LEVEL |
| SS | STAINLESS STEEL |
| TCC | TEMPERATURE CONTROL CONTRACTOR |
| TEMP | TEMPERATURE |
| TSP | TOTAL STATIC PRESSURE |
| TSTAT | THERMOSTAT |
| TYP | TYPICAL |
| VAV | VARIABLE AIR VOLUME |
| VFD | VARIABLE FREQUENCY DRIVE |
| V | VOLTS |
| WC | WATER COLUMN |
| WPD | WATER PRESSURE DROP |
| WT | WEIGHT |

# GENERAL

| SYMBOL | DESCRIPTION |
|---|---|
| | CONNECT NEW TO EXISTING |
| *<br>#<br>SHEET | REFERENCE BUBBLE * SECTION NUMBER # SHEET NUMBER |
| # | REVISION NUMBER |
| *<br>#<br>SHEET | SECTION OR ELEVATION BUBBLE * SECTION OR ELEVATION LETTER # REFERENCE DRAWING NUMBER |
| *<br>#<br>SHEET | ISOMETRIC OR ELEVATION BUBBLE * ISOMETRIC OR ELEVATION LETTER # REFERENCE DRAWING NUMBER |
| # | DRAWING NOTE |
| # | DEMOLITION NOTE |
| X | DEMOLITION NOTE, ALTERNATE |
| # | DRAWING NOTE, ALTERNATE |

# HVAC LEGEND

ALL SYMBOLS MAY NOT BE USED

| SYMBOL | DESCRIPTION |
|---|---|
| HS | HOT WATER SUPPLY |
| HR | HOT WATER RETURN |
| CHS | CHILLED WATER SUPPLY |
| CHR | CHILLED WATER RETURN |
| LPS | LOW PRESSURE STEAM |
| LPC | LOW PRESSURE CONDENSATE |
| PC | PUMPED CONDENSATE |
| D | EQUIPMENT DRAIN |
| RL | REFRIGERANT LIQUID |
| RS | REFRIGERANT SUCTION |
| G | GAS, LOW-PRESSURE |
| MG | GAS, MEDIUM-PRESSURE |
| HG | GAS, HIGH-PRESSURE |
| GV | GAS VENT |
| H | HUMIDISTAT |
| P | PRESSURE SENSOR |
| S | SENSOR |
| C | CO2 SENSOR |
| $C_x$ | CO SENSOR |
| T | WALL MOUNTED THERMOSTAT |
| T | UNIT MOUNTED THERMOSTAT |
| $I_x$ | SWITCH |
| | FIRE DAMPER |
| | COMBINATION FIRE / SMOKE DAMPER |
| | MANUAL VOLUME DAMPER WITH LOCKING QUADRANT |
| M | MOTORIZED DAMPER |
| | DIRECTION OF FLOW |
| | INDICATES PIPE SLOPE DOWN |
| | PIPING CAP |
| | PIPING UP |
| | PIPING DOWN |
| | BOTTOM OF PIPE CONNECTION |
| | CONCENTRIC REDUCER |
| | ECCENTRIC REDUCER |
| | EXPANSION JOINT |
| | FLEXIBLE CONNECTOR |
| | PIPE ANCHOR |
| | PIPE GUIDE |
| | FLOW MEASURING DEVICE |
| | PLUG VALVE |
| | COMBINATION FLOW MEASURING DEVICE AND BALANCING VALVE |
| S | AUTOMATIC 2-WAY TEMPERATURE CONTROL VALVE |
| S | AUTOMATIC 3-WAY TEMPERATURE CONTROL VALVE |
| S | SOLENOID VALVE |
| | PRESSURE REDUCING VALVE |
| P/T | PRESSURE/TEMPERATURE PORT |
| | FLOW SWITCH |
| | SHUTOFF VALVE |
| | GLOBE VALVE |
| | CHECK VALVE |
| | BUTTERFLY VALVE |
| | BALL VALVE |
| | HOSE END DRAIN VALVE |
| | STRAINER WITH BLOW-OFF VALVE |
| | STRAINER |
| | UNION |
| | PRESSURE GAUGE |
| | THERMOMETER |
| | SAFETY RELIEF VALVE |
| | IN-LINE PUMP |
| | MANUAL AIR VENT |
| | RECTANGULAR SUPPLY AIR DUCT UP |
| | RECTANGULAR SUPPLY AIR DUCT DOWN |
| | RECTANGULAR RETURN / EXHAUST AIR DUCT UP |
| | RECTANGULAR RETURN / EXHAUST AIR DUCT DOWN |
| | ROUND DUCT UP |
| | ROUND DUCT DOWN |
| | BRANCH DUCT 45° TAKE-OFF |
| | RECTANGULAR DUCT ELBOW WITH TURNING VANES |
| | RADIUS ELBOW RECTANGULAR / ROUND DUCT |
| | DUCT TRANSITION |
| | FLEX CONNECTION |
| | MANUAL VOLUME DAMPER WITH LOCKING QUADRANT |
| | CONICAL SPIN-IN FITTING |
| | CONICAL SPIN-IN FITTING WITH DAMPER |
| | FLEXIBLE DUCT |
| | INDICATES ITEMS TO BE REMOVED |


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**Key Map**

**Drawing**
MECHANICAL CODE SHEET

# M-001

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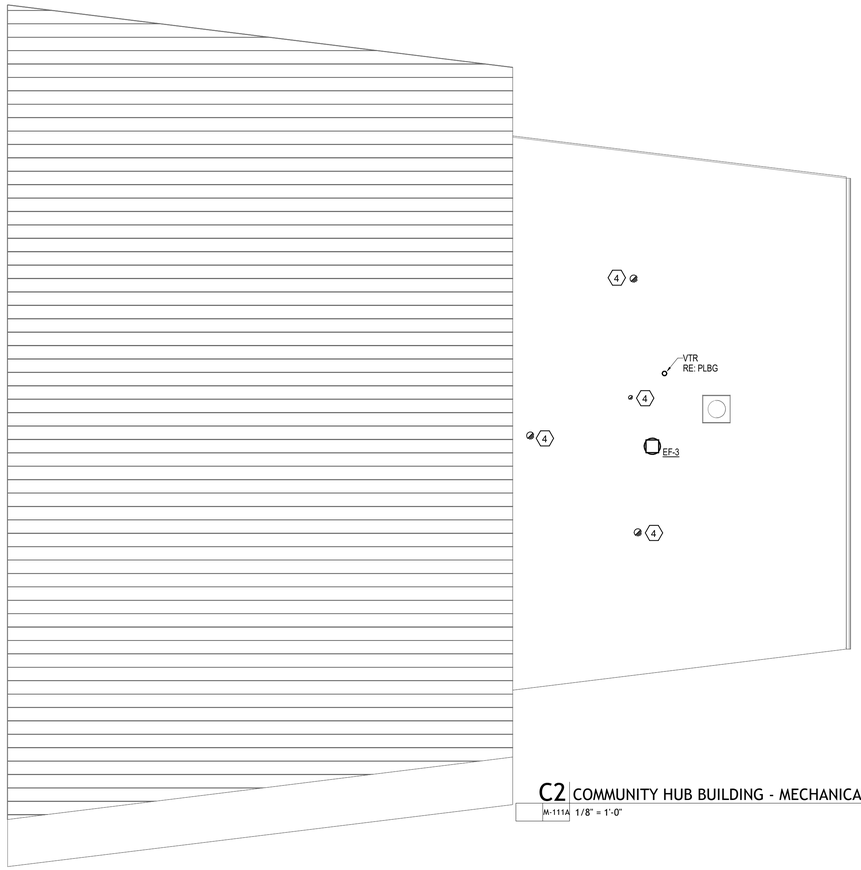
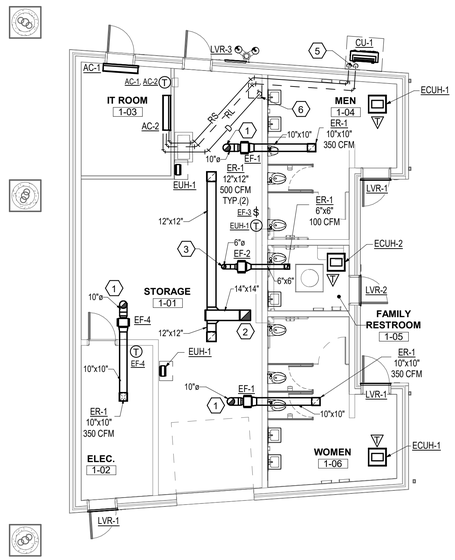



## C2 COMMUNITY HUB BUILDING - MECHANICAL ROOF PLAN

M-111A 1/8" = 1'-0"

## DRAWING NOTES

1. 10"Ø EXHAUST DUCT UP TO MANUFACTURER'S ROOF CAP TERMINATION ON ROOF.
2. 14x14 EXHAUST DUCT UP TO EF-3 ON ROOF.
3. 6"Ø EXHAUST DUCT UP TO MANUFACTURER'S ROOF CAP TERMINATION ON ROOF.
4. PROVIDE MANUFACTURER'S ROOF CAP AT EXHAUST TERMINATION.
5. RS/RL PIPING DOWN ALONG EXTERIOR WALL TO CONDENSING UNIT CONNECTION.
6. CONDESATE DRAIN PIPING DOWN ALONG WALL TO TERMINATION IN MOP SINK.




## A1 COMMUNITY HUB BUILDING - MECHANICAL FLOOR PLAN

M-111A 1/8" = 1'-0"

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| **Checked By:** | JKB |

**Key Map**

**Drawing**

COMMUNITY HUB - MECHANICAL PLANS

# M-111A

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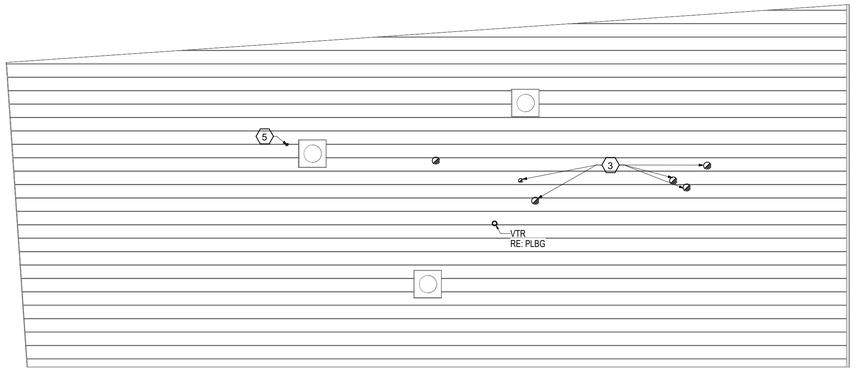


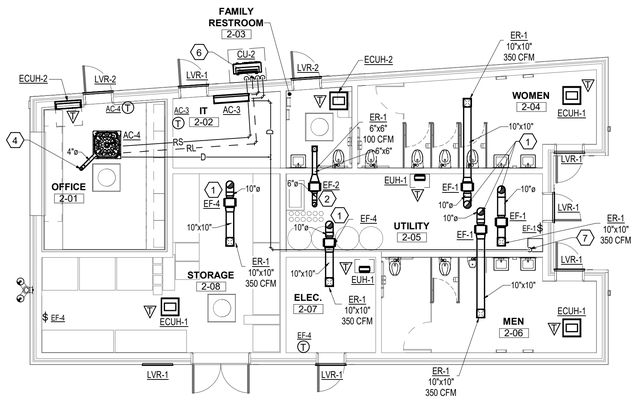

C1 HEADQUARTERS & RESTROOM BUILDING - MECHANICAL ROOF PLAN

M-111B 1/8" = 1'-0"

N

## DRAWING NOTES

1. 10"Ø EXHAUST DUCT UP TO MANUFACTURER'S ROOF CAP TERMINATION ON ROOF.
2. 6"Ø EXHAUST DUCT UP TO MANUFACTURER'S ROOF CAP TERMINATION ON ROOF.
3. PROVIDE MANUFACTURER'S ROOF CAP AT EXHAUST TERMINATION.
4. 4"Ø OUTSIDE AIR DUCT UP THROUGH ROOF AND TERMINATE AT MANUFACTURER'S INTAKE CAP.
5. 4"Ø OUTSIDE AIR DUCT DOWN TO AC-4 BELOW.
6. RS/RL PIPING DOWN ALONG EXTERIOR WALL TO CONDENSING UNIT CONNECTION.
7. CONDENSATE DRAIN PIPING DOWN ALONG WALL TO TERMINATION IN MOP SINK.




A1 HEADQUARTERS & RESTROOM BUILDING - MECHANICAL FLOOR PLAN

M-111B 1/8" = 1'-0"

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HEADQUARTERS & RESTROOM - MECHANICAL PLANS

# M-111B

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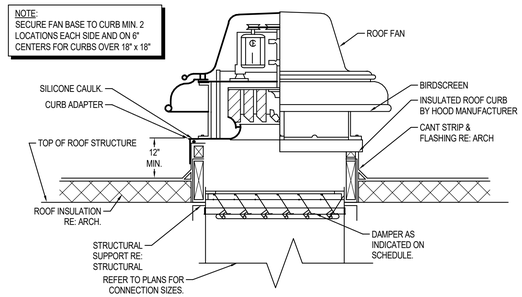
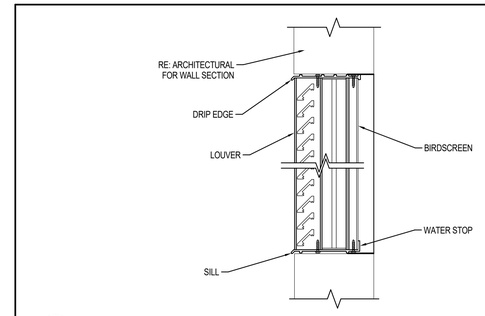
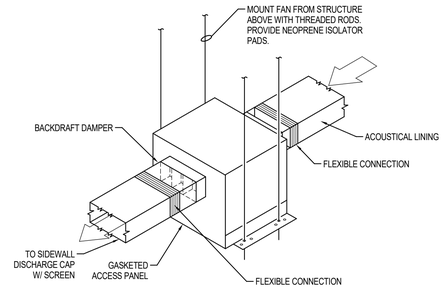
NOTE:
SECURE FAN BASE TO CURB MIN. 2 LOCATIONS EACH SIDE AND ON 6" CENTERS FOR CURBS OVER 18" x 18"



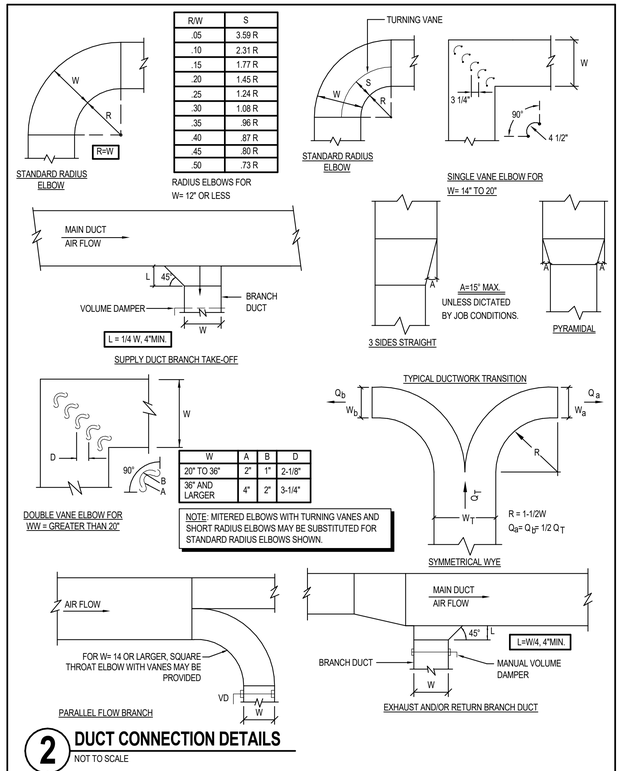

## 4 ROOF EXHAUST FAN DETAIL
NOT TO SCALE



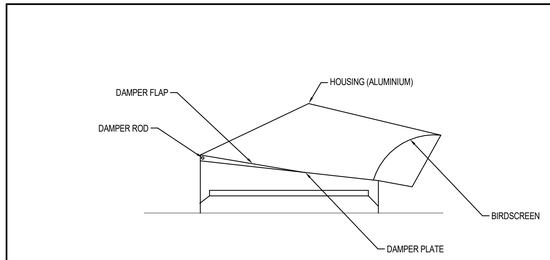

## 1 LOUVER DETAIL
NOT TO SCALE



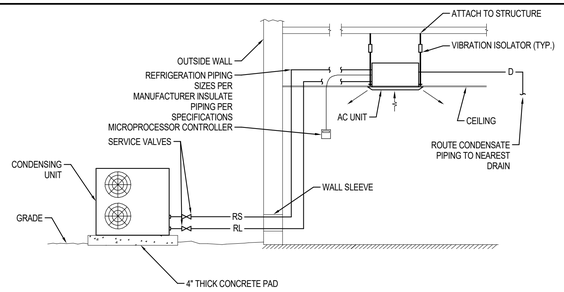

## 5 IN-LINE CEILING EXHAUST FAN DETAIL
NOT TO SCALE



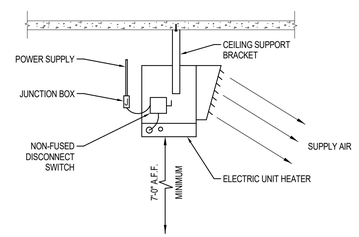

## 2 DUCT CONNECTION DETAILS
NOT TO SCALE




## 6 PITCHED ROOF CAP DETAIL
NOT TO SCALE




## 7 DUCTLESS SPLIT SYSTEM DIAGRAM
NOT TO SCALE




## 3 ELECTRIC UNIT HEATER MOUNTING DETAIL
NOT TO SCALE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Town of Parker
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1700 MOTSENBOCKER RD
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

| Δ | DATE | DESCRIPTION |
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|---|---|
| **Project Number:** | 223072.00 |
| **Sheet Issue Date:** | 2024-11-22 |
| **Drawn By:** | IPS |
| **Checked By:** | JKB |

**Key Map**

**Drawing**
MECHANICAL DETAILS

# M-501

SITE PLAN SUBMITTAL


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# PIPE INSULATION SCHEDULE

| SERVICE | LOCATION | INSULATION MATERIAL | VAPOR BARRIER | JACKET | OPERATING TEMPERATURE ( ° F ) | INSULATION CONDUCTIVITY | | NOMINAL PIPE SIZE (IN) | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | CONDUCTIVITY BTU * IN / ( H * FT² * ° F ) | MEAN TEMP RATING ( ° F ) | < 1 | 1 TO 1-1/2 | 1-1/2 TO 4 | 4 TO 8 | ≥ 8 | |
| DOMESTIC COLD WATER | INTERIOR | GLASS FIBER WITH ASJ-SSL | YES | NONE | 40 - 60 | 0.21 - 0.27 | 75 | 0.5 | 0.5 | 1 | 1 | 1 | - |
| DOMESTIC HOT WATER & RECIRC. | INTERIOR | GLASS FIBER WITH ASJ-SSL | NONE | NONE | 120 - 140 | 0.21 - 0.28 | 100 | 1 | 1.5 | 1.5 | 1.5 | 1.5 | - |

**NOTES:**
1. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INSULATION REQUIREMENTS.
2. (ASTM E84) ALL INSULATION MATERIALS INSTALLED WITHIN THE PLENUM SHALL MEET THE FLAME/SMOKE REQUIREMENTS OF 25/50.

**REMARKS:**
1. FOR PIPING SMALLER THAN 1-1/2" INSTALLED WITHIN A BUILDING PARTITION WITHIN A CONDITIONED SPACE. INSULATION REDUCTION OF UP TO 1" BUT NOT LESS THAN 1" PER IECC TABLE C403.12.3, NOTE A.

Job Title: Salisbury Park North - Community Hub Restrooms and Storage
Job #: 023-039
Date 9/9/2024

## 2021 IPC DOMESTIC WATER SIZING
PER APPENDIX E

| FIXTURE TYPE | OCCUPANCY | TYPE OF SUPPLY CONTROL | QTY | WATER SUPPLY FIXTURE UNIT LOAD VALUES (1) CW PER FIX. | CW TOTAL | HW PER FIX. | HW TOTAL | COMBINED HW & CW PER FIX. | COMBINED HW & CW TOTAL | WASTE FIX. DFU | WASTE TOTAL DFU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Drinking Fountain | Public | Faucet | 1 | 0.25 | 0.25 | 0 | 0 | 0.25 | 0.25 | 0.5 | 0.5 |
| Lavatory | Public | Faucet | 5 | 1.5 | 7.5 | 1.5 | 7.5 | 2 | 10 | 1 | 5 |
| Service Sink/Basin | Offices | Faucet | 1 | 2.25 | 2.25 | 2.25 | 2.25 | 3 | 3 | 2 | 2 |
| Urinal | Public | 3/4" Flush Valve | 1 | 5 | 5 | 0 | 0 | 5 | 5 | 2 | 2 |
| Water Closet | Public | Flush Valve | 6 | 10 | 60 | 0 | 0 | 10 | 60 | 4 | 24 |
| Floor Drains- 2" | | | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 |
| Indirect Waste-2" | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Indirect Waste-4" | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| ***TOTAL FU*** | | | | | 75 | | 10 | | 78.25 | | 54.50 |
| ***TOTAL GPM*** (From Hunter's Curve or Demand Estimate Table) | | | | | 59.5 | | 27 | | 60.6 | | 52 |

| | | |
|---|---|---|
| ***WATER SERVICE SIZE*** | 1" | Per 2021 IPC Table E104.1: 250'-0" Maximum Length, over 60 psig pressure range. |
| ***WATER METER SIZE*** | 1" | Per 2021 IPC Table E104.1: 250'-0" Maximum Length, over 60 psig pressure range. |
| ***DISTRIBUTION SIZE*** | 1-1/2" | Per 2021 IPC Table E104.1: 250'-0" Maximum Length, over 60 psig pressure range. |
| ***SANITARY SEWER SIZE*** | 4" | Per 2021 IPC Table 710.1(1) at 1/8" per foot slope |

Job Title: Salisbury Park North - Headquarters and Restrooms
Job #: 023-039
Date 9/9/2024

## 2021 IPC DOMESTIC WATER SIZING
PER APPENDIX E

| FIXTURE TYPE | OCCUPANCY | TYPE OF SUPPLY CONTROL | QTY | WATER SUPPLY FIXTURE UNIT LOAD VALUES (1) CW PER FIX. | CW TOTAL | HW PER FIX. | HW TOTAL | COMBINED HW & CW PER FIX. | COMBINED HW & CW TOTAL | WASTE FIX. DFU | WASTE TOTAL DFU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Drinking Fountain | Public | Faucet | 1 | 0.25 | 0.25 | 0 | 0 | 0.25 | 0.25 | 0.5 | 0.5 |
| Kitchen Sink | Hotel/Restaurant | Faucet | 0 | 3 | 0 | 3 | 0 | 4 | 0 | 2 | 0 |
| Lavatory | Public | Faucet | 5 | 1.5 | 7.5 | 1.5 | 7.5 | 2 | 10 | 1 | 5 |
| Service Sink/Basin | Offices | Faucet | 1 | 2.25 | 2.25 | 2.25 | 2.25 | 3 | 3 | 2 | 2 |
| Urinal | Public | 3/4" Flush Valve | 1 | 5 | 5 | 0 | 0 | 5 | 5 | 2 | 2 |
| Water Closet | Public | Flush Valve | 7 | 10 | 70 | 0 | 0 | 10 | 70 | 4 | 28 |
| Floor Drains- 2" | | | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 |
| Indirect Waste-2" | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Indirect Waste-4" | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| Handsink | Public | Faucet | 1 | 1.5 | 1.5 | 1.5 | 1.5 | 2 | 2 | 1 | 1 |
| ***TOTAL FU*** | | | | | 87 | | 11 | | 90.25 | | 56.50 |
| ***TOTAL GPM*** (From Hunter's Curve or Demand Estimate Table) | | | | | 64 | | 27.8 | | 64.4 | | 52 |

| | | |
|---|---|---|
| ***WATER SERVICE SIZE*** | 1-1/2" | Per 2021 IPC Table E104.1: 100'-0" Maximum Length, over 60 psig pressure range. |
| ***WATER METER SIZE*** | 1-1/2" | Per 2021 IPC Table E104.1: 100'-0" Maximum Length, over 60 psig pressure range. |
| ***DISTRIBUTION SIZE*** | 1-1/2" | Per 2021 IPC Table E104.1: 100'-0" Maximum Length, over 60 psig pressure range. |
| ***SANITARY SEWER SIZE*** | 4" | Per 2021 IPC Table 710.1(1) at 1/8" per foot slope |

# PLUMBING ABBREVIATIONS

| SYMBOL | DESCRIPTION |
|---|---|
| ABV | ABOVE |
| A.D.A. | AMERICANS WITH DISABILITIES ACT |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| ANT | ACID NEUTRALIZATION TANK |
| AP | ACCESS PANEL |
| ARCH | ARCHITECT, ARCHITECTURAL |
| AVTR | ACID VENT THROUGH ROOF |
| BFP | BACK FLOW PREVENTER |
| BLW | BELOW |
| BV | BALL VALVE |
| C | COMMON |
| CFH | CUBIC FEET PER HOUR |
| C.I. | CAST IRON PIPING |
| CLG | CEILING |
| COL | COLUMN |
| CMV | COMBINATION WASTE & VENT |
| CONC | CONCRETE |
| CONN | CONNECT |
| CONT | CONTINUE |
| CONST | CONSTRUCT, CONSTRUCTION |
| COOR | COORDINATE |
| CS | CRAWLSPACE |
| CV | CHECK VALVE |
| DN | DOWN |
| DW | DISHWASHER |
| (E) | EXISTING |
| EA | EACH |
| EC | ELECTRICAL CONTRACTOR |
| ELEC | ELECTRIC, ELECTRICAL |
| ELEV | ELEVATION |
| EWC | ELECTRIC WATER COOLER |
| F | FAHRENHEIT |
| FLR | FLOOR |
| GC | GENERAL CONTRACTOR |
| GPM | GALLONS PER MINUTE |
| HDR | HEADER |
| HORIZ | HORIZONTAL |
| HP | HORSEPOWER |
| IE | INVERT ELEVATION |
| IW | INDIRECT WASTE |
| INT | INTEGRAL |
| JST(S) | JOIST(S) |
| KEC | KITCHEN EQUIPMENT CONTRACTOR |
| LOC | LOCATION |
| MANUF | MANUFACTURE |
| MAX | MAXIMUM |
| MBH | THOUSAND BRITISH THERMAL UNIT PER HOUR |
| MC | MECHANICAL CONTRACTOR |
| MG | MEDIUM PRESSURE GAS |
| MIN | MINIMUM |
| MS | MEMORY STOP |
| (N) | NEW |
| NC | NORMALLY CLOSED |
| NO | NORMALLY OPEN / NUMBER |
| NTS | NOT TO SCALE |
| OA | OUTSIDE AIR |
| PC | PLUMBING CONTRACTOR |
| PH | PHASE |
| P.O.C. | POINT OF CONNECTION |
| PROV | PROVIDE |
| PRV | PRESSURE REDUCING VALVE |
| PSIG | PRESSURE PER SQUARE INCH GAUGE |
| PTR | PRESSURE AND TEMPERATURE RELIEF |
| PVC | POLYVINYL CHLORIDE PIPING |
| (R) | RELOCATED |
| RE | REFERENCE |
| REQD | REQUIRED |
| SAN | SANITARY PIPING |
| SHT | SHEET |
| SQ | SQUARE |
| SIM | SIMILAR |
| SRV | SAFETY RELIEF VALVE |
| SS | STAINLESS STEEL |
| TCC | TEMPERATURE CONTROL |
| TYP | TYPICAL |
| V | VENT PIPING |
| VERT | VERTICAL |
| VB | VACUUM BREAKER |
| VTR | VENT THROUGH ROOF |
| W | WITH |

# PLUMBING GENERAL NOTES

CODE NOTES
ABBREVIATIONS USED WITHIN INCLUDE:

| YEAR | ABBREV. | CODE TYPE |
|---|---|---|
| 2021 | IBC | INTERNATIONAL BUILDING CODE |
| 2021 | IEBC | INTERNATIONAL EXISTING BUILDING CODE |
| 2021 | IMC | INTERNATIONAL MECHANICAL CODE |
| 2021 | IECC | INTERNATIONAL ENERGY CONSERVATION CODE |
| 2021 | IPC | INTERNATIONAL PLUMBING CODE |
| 2021 | IFC | INTERNATIONAL FIRE CODE |
| 2021 | IFGC | INTERNATIONAL FUEL GAS CODE |
| 2023 | NEC | NATIONAL ELECTRICAL CODE |
| 2017 | ICC | INTERNATIONAL CODE COUNCIL (A117.1) |
| 2017 | ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE |
| 2021 | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |

1. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AS NOTED ABOVE.
2. ALL INFORMATION SHOWN ON THESE DRAWINGS INCLUDING LOCATION AND SIZES ARE BASED ON THE BEST INFORMATION AVAILABLE. INFORMATION SHOWN IS TO INDICATE THE INTENT OF THE PLUMBING SYSTEM WORK BUT MAY NOT REFLECT THE EXACTROUTING AND LOCATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING EQUIPMENT, PIPING, CONNECTIONS, STRUCTURE, ELECTRICAL, LIGHTING AND ARCHITECTURAL INFLUENCES PRIOR TO INSTALLATION OF THE NEW WORK TO AVOID ANY CONFLICTS WITH SYSTEMS REQUIRING MODIFICATIONS. NOTIFY ENGINEER OF ANY CONFLICTS, PRIOR TO PERFORMING WORK.
3. OFFSET ALL PIPING AS REQUIRED TO AVOID STRUCTURAL MEMBERS, FLASHING, MECHANICAL AND ELECTRICAL EQUIPMENT.
4. DO NOT SCALE DRAWINGS, SEE ARCHITECTURAL DRAWINGS FOR FINAL LOCATIONS OF ALL PLUMBING FIXTURES, GENERAL PURPOSE FLOOR DRAINS, AND ADDITIONAL EQUIPMENT REQUIRING PLUMBING CONNECTIONS.
5. COORDINATE SANITARY DRAINAGE UTILITY LOCATIONS AND INVERT ELEVATIONS PRIOR TO COMMENCING WORK, NOTIFY ARCHITECT IMMEDIATELY IF CONDITIONS DISCOVERED WILL NOT ALLOW SYSTEM INSTALLATION AS DESIGNED.
6. SEE ISOMETRICS AND DIAGRAMS FOR BRANCH PIPE SIZES NOT INDICATED IN PLAN.
7. SEE ARCHITECTURAL PLANS AND DETAILS FOR MOUNTING ELEVATIONS OF ALL PLUMBING FIXTURES.
8. MOUNT WALL HYDRANTS AND HOSE BIBBS AT 18" ABOVE SURROUNDING GRADE OR FINISHED FLOOR ELEVATIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
9. COORDINATE EXACT ROUGH-IN CONNECTION LOCATIONS AND SIZES WITH EQUIPMENT SUPPLIER PRIOR TO COMMENCING WORK ASSOCIATED WITH EQUIPMENT BEING FURNISHED BY OTHERS.
10. SEE HVAC PLANS FOR FINAL LOCATION OF ALL HVAC EQUIPMENT, INSTALLATION.
11. ALL WORK SHALL AT A MINIMUM COMPLY WITH THE REQUIREMENTS OF THE 2021 INTERNATIONAL PLUMBING AND THE 2021 INTERNATIONAL FUEL GAS CODES.
12. ALL MATERIALS IN THE PLENUM SPACE SHALL MEET THE FLAME SPREAD AND SMOKE DEVELOPMENT INDEX PER 2021 INTERNATIONAL MECHANICAL CODE SECTION 602.2.1. AND SHALL BE LISTED AND LABELED FOR INSTALLATION WITHIN A PLENUM.
13. ALL EQUIPMENT AND MATERIALS USED IN THE DISTRIBUTION OF DOMESTIC POTABLE WATER SHALL BE APPROVED AND TESTED FOR SUCH APPLICATION WITH DOCUMENTED LISTINGS AND LABELING IN ACCORDANCE WITH THE LATEST EDITION OF THE COLORADO PLUMBING CODE AND THE INTERNATIONAL PLUMBING CODE, PUBLIC LAW 111-380 AND ANSI/NSF-61, ANNEX G.
14. EXTEND ALL VENT TERMINATIONS THROUGH THE ROOF A MINIMUM OF 20' FROM ALL OUTSIDE AIR INTAKES, AND OTHER BUILDING OPENINGS.
15. DOMESTIC HOT WATER RECIRCULATION PIPING SHALL MEET IECC/21- 404.5 REQUIREMENTS FOR MAXIMUM PIPING LENGTHS AS SHOWN IN TABLE C404.5.1.

# PLUMBING LEGEND
ALL SYMBOLS MAY NOT BE USED

| SYMBOL | DESCRIPTION |
|---|---|
| SD | STORM DRAIN, RAINWATER DRAIN |
| OD | OVERFLOW STORM DRAIN |
| SSD | SUBSOIL DRAIN, FOOTING DRAIN |
| SAN | SOIL, WASTE, OR SANITARY SEWER |
| SD | STORM / RAINWATER DRAIN BELOW FLOOR |
| SAN | SOIL / WASTE / SANITARY SEWER BELOW FLR |
| GD | GREASE DRAIN |
| | VENT |
| D | INDIRECT DRAIN |
| PD | PUMP DISCHARGE LINE |
| | COLD WATER |
| | HOT WATER SUPPLY (140° F) |
| | HOT WATER RECIRCULATING (140° F) |
| TW | TEMPERED HOT WATER (110° F) |
| TWR | TEMPERED HW RECIRCULATING (110° F) |
| CD | CONDENSATE DRAIN |
| F | FIRE PROTECTION WATER SUPPLY |
| G | GAS, LOW-PRESSURE |
| MG | GAS, MEDIUM-PRESSURE |
| | ISOLATION VALVE |
| | GLOBE VALVE |
| | ANGLE VALVE |
| | BALL VALVE |
| | BUTTERFLY VALVE |
| | GAS COCK, GAS STOP |
| | COMBINATION FLOW MEASURING DEVICE AND BALANCING VALVE |
| | THERMOSTATIC BALANCING VALVE |
| | CHECK VALVE |
| | PLUG VALVE |
| S | SOLENOID VALVE |
| M | MOTOR-OPERATED VALVE [SPECIFY TYPE] |
| | PRESSURE REDUCING VALVE |
| P | PRESSURE-RELIEF VALVE |
| T | TEMPERATURE-PRESSURE-RELIEF VALVE |
| | HOSE BIBB |
| | VALVE IN YARD BOX (VALVE TYPE SYMBOL AS REQUIRED FOR VALVE USE) |
| | RECESSED-BOX HOSE BIBB OR WALL HYDRANT |
| | UNION (SCREWED) |
| | UNION (FLANGED) |
| | STRAINER |
| | PIPE ANCHOR |
| | PIPE GUIDE |
| | EXPANSION JOINT |
| | FLEXIBLE CONNECTOR |
| | TEE |
| | CONCENTRIC REDUCER |
| | ECCENTRIC REDUCER |
| | AQUASTAT |
| | FLOW SWITCH |
| | PRESSURE SWITCH |
| | WATER HAMMER ARRESTER |
| | PRESSURE GAUGE WITH GAUGE COCK |
| | THERMOMETER |
| | VALVE IN RISER |
| | RISER DOWN (ELBOW) |
| | RISER UP (ELBOW) |
| | AIR CHAMBER |
| | RISE OR DROP |
| | BRANCH-TOP CONNECTION |
| | BRANCH-BOTTOM CONNECTION |
| | BRANCH-SIDE CONNECTION |
| | CAP ON END OF PIPE |
| | CLEANOUT PLUG |
| | CIRCULATION PUMP |
| | FLOOR CLEANOUT |
| | WALL CLEANOUT |
| | YARD CLEANOUT OR CLEANOUT TO GRADE |
| | FLOOR DRAIN |
| | FLOOR SINK |
| | CONDUCTOR NOZZLE |
| | DIRECTION OF FLOW |
| | INDICATES PIPE SLOPE DOWN |
| | NEW TO EXISTING CONNECTION |
| | INDICATES ITEMS TO BE REMOVED |
| | GAS TURRET |

# GENERAL

| SYMBOL | DESCRIPTION |
|---|---|
| | CONNECT NEW TO EXISTING |
| * / # | REFERENCE BUBBLE * SECTION NUMBER # SHEET NUMBER |
| # | REVISION NUMBER |
| * / # | SECTION OR ELEVATION BUBBLE * SECTION OR ELEVATION LETTER # REFERENCE DRAWING NUMBER |
| * / # | ISOMETRIC OR ELEVATION BUBBLE * ISOMETRIC OR ELEVATION LETTER # REFERENCE DRAWING NUMBER |
| # | DRAWING NOTE |
| # | DEMOLITION NOTE |
| X | DEMOLITION NOTE, ALTERNATE |
| # | DRAWING NOTE, ALTERNATE |


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**Sheet Issue Date:** 2024-11-22
**Drawn By:** CMD
**Checked By:** JCF

**Key Map**

**Drawing**
PLUMBING CODE SHEET

# P-001

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Page 280 of 311

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# DOMESTIC WATER PRESSURE REDUCING VALVE SCHEDULE

| SYMBOL | SERVES | MANUF. | MODEL NUMBER | INLET SIZE | OUTLET SIZE | INLET PRESSURE PSIG | OUTLET PRESSURE PSIG | FALL-OFF PRESSURE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| PRV-1 | BLDG | WATTS | LF25AUB-Z3 | 1-1/2" | 1-1/2" | 112 | 75 | 17.5 | 1 |

REMARKS:
1. INTEGRAL STRAINER, DOUBLE UNION NPT INLET AND OUTLET, LEAD-FREE

# ELECTRIC WATER HEATER SCHEDULE

| SYMBOL | SERVICE | MANUF. | MODEL NUMBER | STORAGE CAP | KW INPUT | AMPS | VOLTAGE / PHASE | RECOVERY RATE @ DEGREE RISE | WEIGHT (LBS.) | MINIMUM EFFICIENCY | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EWH-1 | HUB BLDG HQ BLDG. | A.O. SMITH | DEL-30 | 33 GAL. | 6.0 | 7.25 | 480 / 3 | 24 GPH @ 100° F | 420 | 0.92 UEF | 1, 2 |

REMARKS:
1. LOW BOY STORAGE ELECTRIC HEATER WITH DUAL ELEMENTS, SIMULTANEOUS OPERATION, MANUAL RESET HIGH AND LOW PRESSURE TEMPERATURE CUTOFF, DUAL ANODE RODS, TEMPERATURE AND PRESSURE RELIEF VALVE, DRAIN VALVE.
2. PROVIDE HOLDRITE MODEL 50-SWHP - WALL MOUNTED WATER HEATER PLATFORM WITH PVC DRAIN FITTING.

# DOMESTIC WATER CIRCULATION PUMP SCHEDULE

| SYMBOL | MANUFACTURER | MODEL NUMBER | INLET SIZE | OUTLET SIZE | FLOW RATE | HEAD | WATTS | RPM | ELECTRICAL CHARACTER | SERVICE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CP-1 | B&G | ECOCIRC 20-18 | 3/4" | 3/4" | 3 GPM | 15 FT. | 0-70 | 3800 | 115 VOLT / 1 PHASE | EWH-1 | 1, 2 |

REMARKS:
1. WATER TEMP: 120° F.
2. CONSTANT PRESSURE OPERATING MODE, PROVIDE WITH 24 HOUR TIME CLOCK AND REMOTE TEMPERATURE SENSING BULB.

# DOMESTIC WATER EXPANSION TANK SCHEDULE

| SYMBOL | SERVES | MANUF. | MODEL NUMBER | INLET SIZE | TOTAL VOLUME (GALLONS) | ACCEPTANCE VOLUME IN GALLONS | DIAMETER (INCHES) | HEIGHT (INCHES) | INITIAL CHARGE PRESSURE | WEIGHT (LBS.) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DET-1 | EWH-1 | AMTROL | ST-5 | 3/4" | 2.0 | 0.9 | 8 | 13 | 60 PSI | - | 1 |

REMARKS:
1. WATER TEMP: 120° F. INITIAL CHARGE PRESSURER SHALL MATCH DOMESTIC WATER SYSTEM STATIC PRESSURE.

# WATER MIXING VALVE SCHEDULE

| SYMBOL | SERVICE | MANUF. | MODEL NUMBER | INLET SIZE | OUTLET SIZE | INLET TEMPERATURE ( ° F ) | | OUTLET TEMPERATURE ( ° F ) | MINIMUM FLOW (GPM) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | CW | HW | | | |
| TMV-1 | LAVATORY | WATTS | LFUSG-B-M3 | 3/8" | 3/8" | 40 | 120 | 110 | 0.5 | 1,2,3 |

REMARKS:
1. SURFACE MOUNTED, PROVIDE COMPLETE WITH WALL MOUNTING BRACKET; LEAD FREE DESIGN, INLET STRAINER CHECKSTOPS.
2. MINIMUM FLOW OF 0.5 GPM WITH OPERATIONAL CIRCULATION.
3. THERMOSTATIC MIXING VALVE TO MEET ASSE 1070.

# PLUMBING EQUIPMENT SCHEDULE

| SYMBOL | DESCRIPTION | MANUFACTURER | MODEL NUMBER | REMARKS |
|---|---|---|---|---|
| BFP-1 | REDUCED PRESSURE BACKFLOW PREVENTER | WILKINS | 975XL3 | EXTEND FUNNEL DRAIN FULL SIZE TO FLOOR SINK. NSF-61. 2" SIZE |
| BFP-2 | REDUCED PRESSURE BACKFLOW PREVENTER | WILKINS | 975XL3 | EXTEND FUNNEL DRAIN FULL SIZE TO FLOOR SINK. NSF-61. 3/4" SIZE. |
| FCO-1 | FLOOR CLEANOUT | J.R. SMITH | 4220 | CAST IRON ADJUSTABLE CLEANOUT WITH ROUND BRONZE TOP AND ABS PLUG. |
| FD-1 | FLOOR DRAIN (GENERAL) | J.R. SMITH | 2005Y | 6"Ø STRAINER W/ VANDAL RESISTANT SCREWS. PROVIDE WITH TRAP GUARD. |
| FS-1 | FLOOR SINK | J.R. SMITH | 3430Y-PDBS-12 | 12" SQ. 8" DEEP W/ ALUMINUM DOME BOTTOM STRAINER AND 1/2 A.R.C. GRATE. PROVIDE WITH TRAP GUARD. |
| GCO-1 | 2-WAY GRADE CLEANOUT | J.R. SMITH | 4261-L | (2) REQ'D. PROVIDE TYLER #003519 2-WAY CLEANOUT FITTING, VANDAL RESISTANT SCREWS. |
| HB-1 | HOSE BIBB | WOODFORD | B75 | BOX TYPE, 1/2" INLET, POLISHED CHROME |
| TG-1 | TRAP GUARD | J.R. SMITH | 2" = 2692-02<br>3" = 2692-03<br>4" = 2692-04 | BARRIER TRAP SEAL GUARD (ASSE 1072). PROVIDE SIZE AS REQUIRED. |
| WCO-1 | WALL CLEANOUT | J.R. SMITH | 4710-U | STAINLESS STEEL SHALLOW COVER, ROUND FACE W/ VANDAL RESISTANT CENTER SCREW. |
| WH-1 | WALL HYDRANT | WOODFORD | B67 | BOX TYPE, 3/4" INLET, POLISHED CHROME |
| WHA-1 | WATER HAMMER ARRESTOR | PPP | SC-500A | COMPLETE WITH SERVICE ISOLATION VALVE AND ACCESS PANEL. |
| WHA-2 | WATER HAMMER ARRESTOR | PPP | SC-750B | COMPLETE WITH SERVICE ISOLATION VALVE AND ACCESS PANEL. |
| WHA-3 | WATER HAMMER ARRESTOR | PPP | SC-1000C | COMPLETE WITH SERVICE ISOLATION VALVE AND ACCESS PANEL. |
| WHA-4 | WATER HAMMER ARRESTOR | PPP | SC-1250D | COMPLETE WITH SERVICE ISOLATION VALVE AND ACCESS PANEL. |

# PLUMBING FIXTURE SCHEDULE

| SYMBOL | DESCRIPTION | MANUFACTURER | MODEL NO. | ROUGH-IN CONNECTIONS | | | | | | GPF | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TRAP | W | V | CW | HW | FLOW | | |
| DF-1 | DRINKING FOUNTAIN | HAWS | 1119FR-1920FR | 1-1/4" | 2" | 2" | 1/2" | - | 0.13 | - | 1, 2 |
| L-1 | WALL HUNG LAVATORY | ACORN | 1652LRB | 1-1/4" | 2" | 2" | 1/2" | 1/2" | 0.5 | - | 1, 3 |
| MSB-1 | MOP SERVICE BASIN FAUCET | FIAT CHICAGO | TSB3000 540-LD897SXKCCP | 3" | 3" | 2" | 1/2" | 1/2" | - | - | 4 |
| UR-1 | WALL HUNG URINAL FLUSH VALVE CARRIER | ACORN ZURN J.R. SMITH | 1707 ZER6195AV 0617 | INT. | 2" | 2" | 3/4" | - | - | 1.0 | 1, 5 |
| WC-1 | WALL MTD. WATER CLOSET FLUSH VALVE CARRIER | ACORN ZURN J.R. SMITH | 2105BAR ZER6152AV 211Y-M54-XK-BS | INT. | 4" | 2" | 1" | - | - | 1.6 | 6 |
| WC-2 | WALL MTD. WATER CLOSET ADA FLUSH VALVE CARRIERR | ACORN ZURN J.R. SMITH | 2105BAR AER6152AV 211Y-M54-XK-BS | INT. | 4" | 2" | 1" | - | - | 1.6 | 1, 6 |

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHT ELEVATIONS OF ALL PLUMBING FIXTURES PRIOR TO INSTALLATION.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION WHICH MAY NOT BE NOTED HERE.
3. ALL EQUIPMENT AND MATERIALS USED IN THE DISTRIBUTION OF DOMESTIC POTABLE WATER SHALL BE APPROVED AND TESTED FOR SUCH APPLICATION WITH DOCUMENTED LISTINGS AND LABELING IN ACCORDANCE WITH THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE, PUBLIC LAW 111-380 AND ANSI/NSF-61, ANNEX G.
4. PROVIDE FRESH SET OF BATTERIES FOR ALL BATTERY POWERED COMPONENTS AT TIME OF PROJECT FINAL CLOSEOUT.

REMARKS:
1. FIXTURE DESIGNATED TO BE IN COMPLIANCE WITH ANSI-A117.1.
2. WALL MOUNTED, VANDAL RESISTANT DUAL HEIGHT FOUNTAIN AND BOTTLE FILLER, LEAD-FREE, PNEUMATIC-OPERATED, FREEZE RESISTANT VALVES AND TRAP MOUNTED IN CABINET, CHROME PLATED, VANDAL-RESISTANT BUBBLERS, VANDAL-RESISTANT STRAINERS, VANDAL-RESISTANT BOTTOM PLATES.
3. WALL HUNG, 18" WIDE ADA COMPLIANT WITH RECTANGULAR BOWL, 14 GA. 304 STAINLESS STEEL, SEEMLESS WELDED, SATIN FINISH, DECK MOUNTED SPOUT, ELECTRONIC, BATTERY POWERED FAUCET CONTROLLER, SINGLE TEMPERED METERING ELECTRONIC SOLENOID VALVE, THROUGH WALL WASTE EXTENSION WITH P-TRAP, METAL TEMPLATE AND WALL SLEEVE. FURNISH COMPLETE WITH HEAVY DUTY WALL MOUNTING HARDWARE.
4. 24" SQUARE BY 12" DEEP TERRAZZO WITH DROP FRONT, STAINLESS STEEL RIM GUARDS ALL SIDES, PROVIDE WITH STAINLESS STEEL WALL GUARDS AND INTEGRAL STRAINER; WALL MOUNTED FAUCET WITH VACUUM BREAKER SPOUT, PAIL HOOK, WALL BRACE, 1/4 TURN CERAMIC CARTRIDGES WITH INTEGRAL CHECK VALVES, PROVIDE IN-LINE STRAIGHT PATTERN STOPS WITH THROUGH WALL EXTENSION.
5. 14 GA., 304 STAINLESS STEEL WALL HUNG WASHOUT URINAL WITH CONCEALED BACK INLET, INTEGRAL, WELDED DRAIN STRAINER, FULLY ENCLOSED P-TRAP; CONCEALED DIAPHRAGM TYPE FLUSH VALVE WITH ELECTRONIC BATTERY POWERED, REMOTE SENSOR AND MANUAL OVERRIDE BUTTON; HEAVY DUTY FLOOR MOUNTED SUPPORT CARRIER.
6. WALL HUNG, SIPHON JET, 16 GA. TYPE 304 STAINLESS STEEL WITH BLACK HINGED SEAT, BACK INLET FOR CONCEALED DIAPHRAGM TYPE FLUSH VALVE WITH ELECTRONIC BATTERY POWERED, REMOTE SENSOR AND MANUAL OVERRIDE BUTTON; HEAVY DUTY, BARIATRIC RATED OFF FLOOR SUPPORT WITH HORIZONTAL DRAIN FITTING.


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**Checked By:** JCF

**Key Map**

**Drawing**
PLUMBING SCHEDULES

**P-002**

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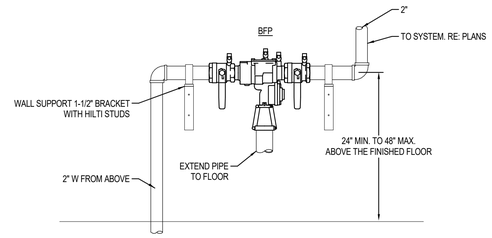


**5 BACKFLOW PREVENTER DETAIL**
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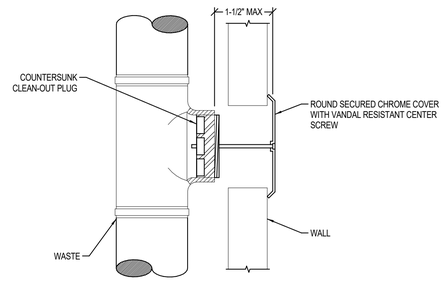


**1 WALL CLEANOUT DETAIL**
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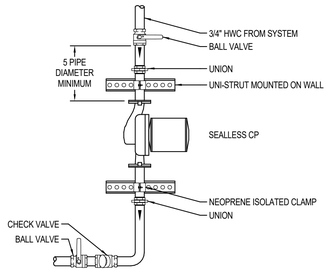


**6 CIRCULATION PUMP DETAIL**
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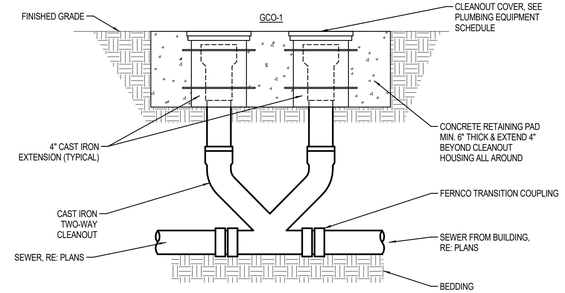


**2 2-WAY GRADE CLEANOUT**
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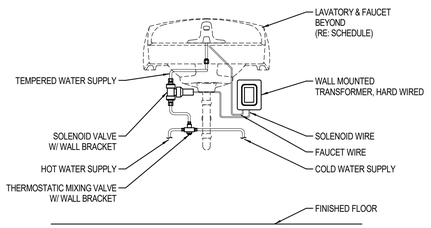


**7 LAVATORY MIXING VALVE DETAIL**
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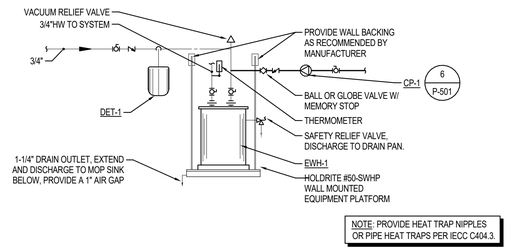
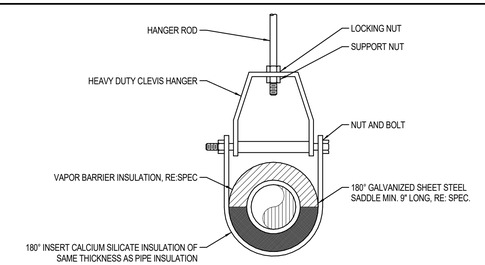



NOTE: PROVIDE HEAT TRAP NIPPLES OR PIPE HEAT TRAPS PER IECC C404.3.

**3 ELECTRIC WATER HEATER PIPING DIAGRAM**
NOT TO SCALE




**4 CLEVIS HANGER DETAIL**
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**Key Map**

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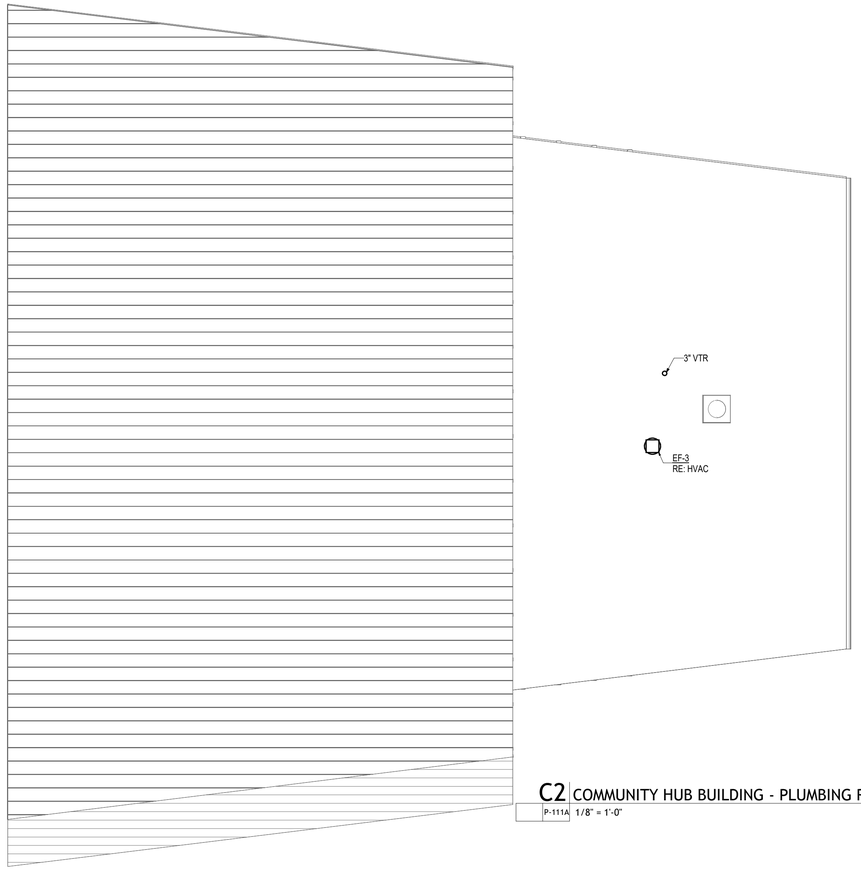
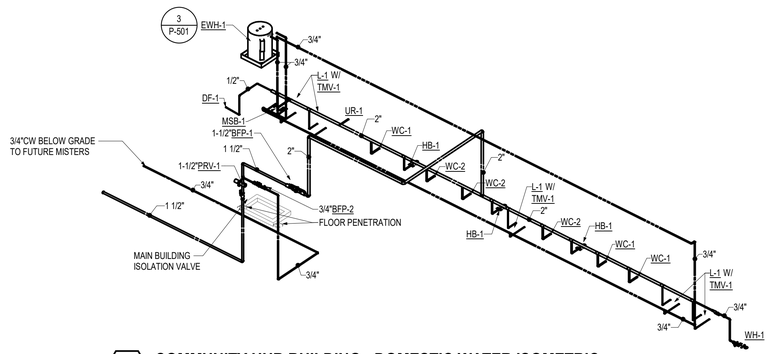
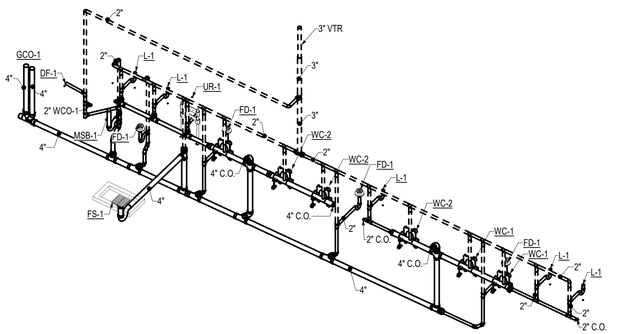



C2 COMMUNITY HUB BUILDING - PLUMBING ROOF PLAN
P-111A 1/8" = 1'-0"



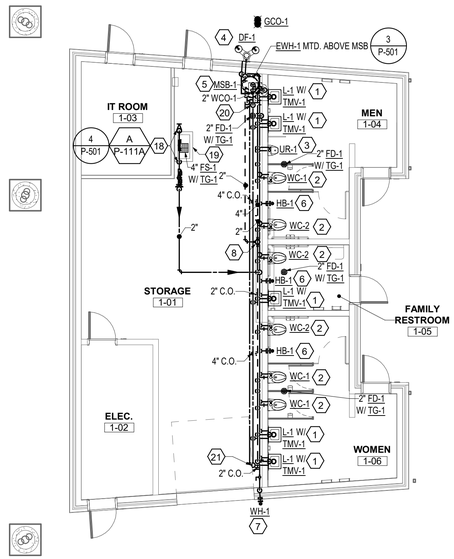

A COMMUNITY HUB BUILDING - DOMESTIC WATER ISOMETRIC
NOT TO SCALE



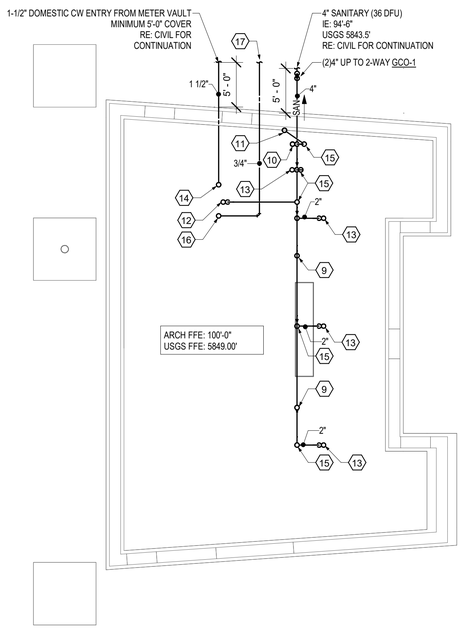

B COMMUNITY HUB BUILDING - SAN/VENT ISOMETRIC
NOT TO SCALE

## DRAWING NOTES

1. 1/2" CW, 1/2" HW, 2" SANITARY AND 2" VENT TO LAVATORY / SINK.
2. 1" CW, 4" SANITARY, AND 2" VENT TO WATER CLOSET.
3. 3/4" CW, 2" SANITARY, AND 2" VENT TO URINAL.
4. 1/2" CW, 2" SANITARY, AND 2" VENT TO DRINKING FOUNTAIN.
5. 1/2" CW, 1/2" HW, 3" SANITARY AND 2" VENT TO MOP SERVICE BASIN.
6. 3/4" CW TO HOSE BIBB.
7. 3/4" CW TO WALL HYDRANT.
8. 2" VENT UP TO 3"VTR.
9. 4" SANITARY UP THROUGH FLOOR ABOVE.
10. 3" SANITARY WITH P-TRAP UP TO MOP SERVICE BASIN.
11. 2" SANITARY UP TO DRINKING FOUNTAIN ABOVE.
12. 4" SANITARY WITH P-TRAP UP TO FLOOR SINK ABOVE.
13. 2" SANITARY WITH P-TRAP UP TO FLOOR DRAIN ABOVE.
14. 1-1/2" CW UP TO BACKFLOW PREVENTER ABOVE.
15. 2" VENT UP THROUGH FLOOR ABOVE.
16. 3/4" COLD WATER UP THROUGH FLOOR TO BFP-2, EXTEND SOFT COPPER BELOW FLOOR TO EXTERIOR, NO JOINTS.
17. 3/4" COLD WATER STUB OUT 5'-0" OUTSIDE BUILDING CAP AND MARK FOR FUTURE EXTENSION TO PEDESTAL MISTERS.
18. 1-1/2" METERED COLD WATER UP FROM BELOW FLOOR, OFFSET AND PROVIDE 1-1/2" BFP-1, 3/4" BFP-2 AND PRV-1.
19. 4" THICK CAST-IN-PLACE CONTAINMENT CURB, 4" DEEP.
20. 3/4" HOT WATER DROP ALONG WALL AND OFFSET TO LAVATORY CONNECTIONS.
21. 3/4" HOT WATER CIRCULATION, RISE AND OFFSET HIGH BACK TO CIRCULATION PUMP AT WATER HEATER.




A1 COMMUNITY HUB BUILDING - PLUMBING FLOOR PLAN
P-111A 1/8" = 1'-0"




A4 COMMUNITY HUB BUILDING - PLUMBING UNDERGROUND PLAN
P-111A 1/8" = 1'-0"

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**Key Map**

**Drawing**

COMMUNITY HUB - PLUMBING PLANS

# P-111A

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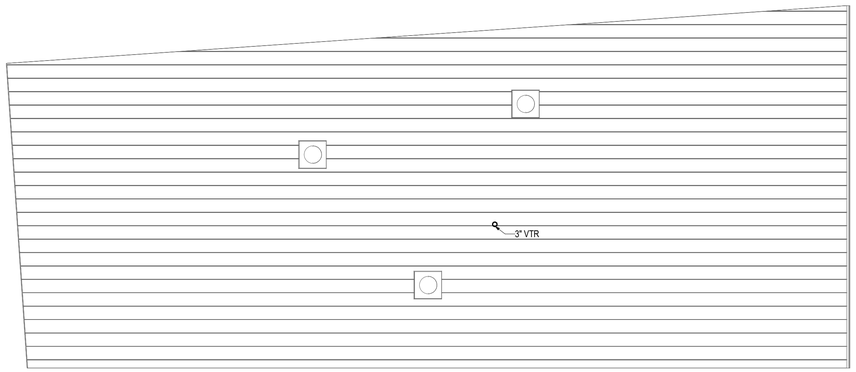


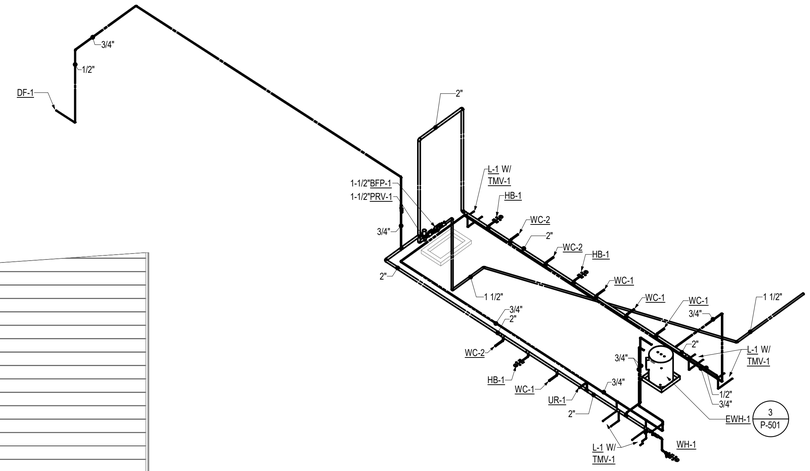


## A HEADQUARTERS & RESTROOM BLDG - DOMESTIC WATER ISOMETRIC

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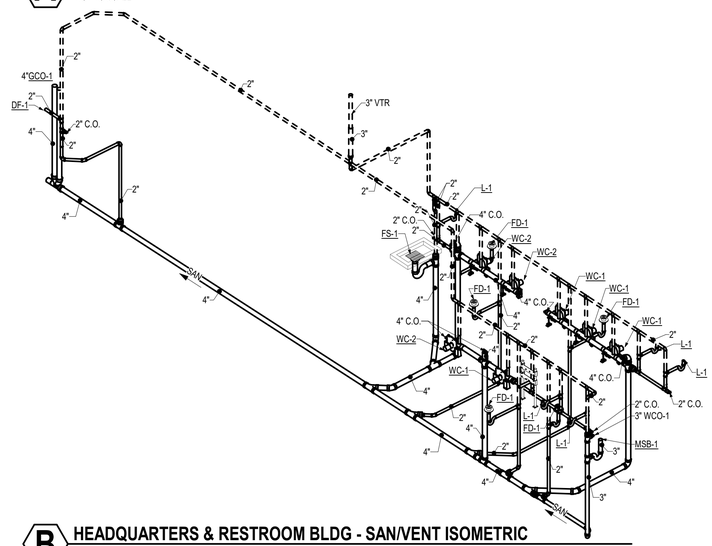


## B HEADQUARTERS & RESTROOM BLDG - SAN/VENT ISOMETRIC

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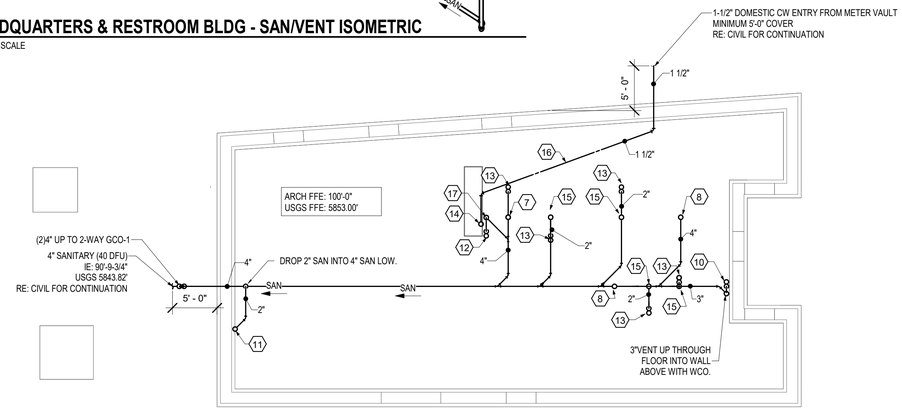



## C1 HEADQUARTERS & RESTROOM BUILDING - PLUMBING ROOF PLAN

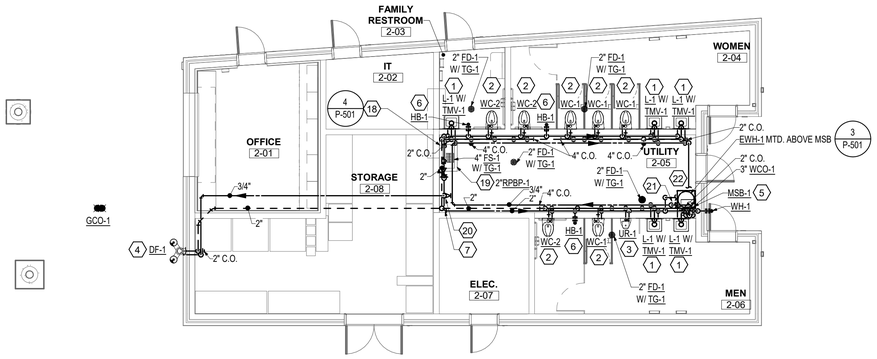
P-111B 1/8" = 1'-0"




## A1 HEADQUARTERS & RESTROOM BUILDING - PLUMBING FLOOR PLAN

P-111B 1/8" = 1'-0"




## A3 HEADQUARTERS & RESTROOM BUILDING - PLUMBING UNDERGROUND PLAN

P-111B 1/8" = 1'-0"




## DRAWING NOTES

1. 1/2" CW, 1/2" HW, 2" SANITARY AND 2" VENT TO LAVATORY / SINK.
2. 1" CW, 4" SANITARY, AND 2" VENT TO WATER CLOSET.
3. 3/4" CW, 2" SANITARY, AND 2" VENT TO URINAL.
4. 1/2" CW, 2" SANITARY, AND 2" VENT TO DRINKING FOUNTAIN.
5. 1/2" CW, 1/2" HW, 3" SANITARY AND 2" VENT TO MOP SERVICE BASIN.
6. 3/4" CW TO HOSE BIBB.
7. 2" VENT UP TO 3"VTR.
8. 4" SANITARY UP THROUGH FLOOR ABOVE.
9. 4" SANITARY UP TO FLOOR CLEANOUT ABOVE.
10. 3" SANITARY WITH P-TRAP UP TO MOP SERVICE BASIN.
11. 2" SANITARY UP TO DRINKING FOUNTAIN ABOVE.
12. 4" SANITARY WITH P-TRAP UP TO FLOOR SINK ABOVE.
13. 2" SANITARY WITH P-TRAP UP TO FLOOR DRAIN ABOVE.
14. 1-1/2" CW UP TO BACKFLOW PREVENTER ABOVE.
15. 2" VENT UP THROUGH FLOOR ABOVE.
16. 1-1/2" SOFT (TYPE K) COPPER BELOW SLAB, NO JOINTS.
17. 2" VERTICAL WET VENT UP TO LAVATORY ABOVE.
18. 1-1/2" METERED COLD WATER UP FROM BELOW FLOOR, OFFSET AND PROVIDE 1-1/2" BFP-1 AND PRV-1 IN HORIZONTAL.
19. 4" THICK CAST- IN-PLACE CONTAINMENT CURB, 4" DEEP.
20. 3/4" COLD WATER RISE WITH ISOLATION VALVE, OFFSET HIGH NEAR ROOF STRUCTURE TO DF-1 CONNECTIONS.
21. 3/4" HOT WATER DROP ALONG WALL AND OFFSET TO LAVATORY CONNECTIONS.
22. 3/4" HOT WATER CIRCULATION, RISE AND OFFSET HIGH BACK TO CIRCULATION PUMP AT WATER HEATER.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| **Checked By:** | JCF |

**Key Map**

**Drawing**

HEADQUARTERS & RESTROOM - PLUMBING PLANS

# P-111B

SITE PLAN SUBMITTAL


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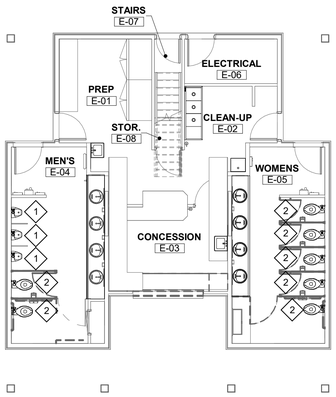
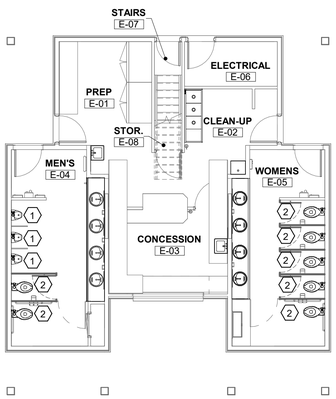



B1 EXISTING CONCESSIONS BUILDING - PLUMBING DEMOLITION FLOOR PLAN

P-111E 1/8" = 1'-0"




A1 EXISTING CONCESSIONS BUILDING - PLUMBING FLOOR PLAN

P-111E 1/8" = 1'-0"

## GENERAL SHEET NOTES

1. PRIOR TO COMMENCING DEMOLITION, FIELD VERIFY EXISTING LAVATORY DIMENSIONS, INCLUDING CUT-OUTS. AGREE WITH NEW LAVATORY REQUIREMENTS. NOTIFY ARCHITECT IF DIMENSIONS DIFFER AND WILL NOT ALLOW FOR LAVATORY REPLACEMENT IN EXISTING COUNTERTOP.
2. PRIOR TO COMMENCING DEMOLITION, FIELD VERIFY COLD WATER ROUGH-IN DIMENSIONS TO EXISTING WATER CLOSET SPUD WILL ALLOW FOR THE SPECIFIED FLUSH VALVE INSTALLATION, NOTIFY ARCHITECT IF AVAILABLE DIMENSIONS WILL NOT ALLOW FOR THE SPECIFIED FLUSH VALVE TO BE INSTALLED.
3. PRIOR TO ORDERING FLUSH VALVES, CONFIRM FLUSH VOLUMES OF EXISTING URINALS AND WATER CLOSETS AND ORDER FLUSH VALVES TO MATCH GALLON PER FLUSH RATING ACCORDINGLY.
4. HOLD ALL BELOW DECK FAUCET COMPONENTRY AS HIGH AS POSSIBLE BELOW THE FAUCET CONNECTIONS TO MINIMIZE POTENTIAL VANDALISM.

## DEMOLITION NOTES

1. REMOVE EXPOSED URINAL FLUSHOMETER VALVE, EXISTING COLD WATER ROUGH-IN TO REMAIN.
2. REMOVE EXPOSED WATER CLOSET FLUSHOMETER VALVE, EXISTING COLD WATER ROUGH-IN TO REMAIN.

## DRAWING NOTES

1. PROVIDE NEW URINAL FLUSHOMETER VALVE, ZURN ZER6003AV-CPM SENSOR OPERATED, BATTERY POWERED WITH FRONT MOUNTED MANUAL OVERRIDE BUTTON AND SOLID RING TAILPIECE PIPE SUPPORT, CONNECT TO EXISTING URINAL TOP SPUD AND COLD WATER ROUGH-IN AT WALL.
2. PROVIDE NEW WATER CLOSET FLUSHOMETER VALVE, ZURN ZER6000AV-CPM SENSOR OPERATED, BATTERY POWERED WITH FRONT MOUNTED MANUAL OVERRIDE BUTTON AND SOLID RING TAILPIECE PIPE SUPPORT, CONNECT TO EXISTING WATER CLOSET TOP SPUD AND COLD WATER ROUGH-IN AT WALL.

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**Key Map**

**Drawing**

EXISTING CONCESSIONS BUILDING - PLUMBING PLANS

# P-111E

SITE PLAN SUBMITTAL


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# SITE PLAN GENERAL NOTES

ALL WIRING SHALL BE IN COMPLIANCE WITH THE NEC LATEST EDITION: ALL MULTI-WIRE BRANCH CIRCUITS (120V OR 277V SINGLE PHASE CIRCUITS) IDENTIFIED IN THE PANEL SCHEDULES ORIGINATING FROM SINGLE POLE BREAKER SHALL BE INSTALLED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. THE NEUTRAL CONDUCTOR SHALL HAVE A TRACER STRIPE (THE STRIPE COLOR SHALL MATCH THE COLOR OF THE PHASE CONDUCTOR).

REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INSTALLATION, CONDUIT DEPTHS, AND SPECIFICATION REQUIREMENTS. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE TO THE MOST CURRENT LOCAL CODES AND THE NEC LATEST EDITION.

ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC WITH PVC COATED GRC ELBOWS AND RISERS TO 4 FEET ABOVE GRADE AND 1 INCH MINIMUM DIAMETER, UNLESS NOTED OTHERWISE.

ALL UNDERGROUND COMMUNICATION, ELECTRICAL FEEDER, AND BRANCH CIRCUITS SHALL BE INSTALLED A MINIMUM OF 30 INCHES BELOW GRADE WITH BURIED ELECTRICAL WARNING TAPE INSTALLED DIRECTLY ABOVE BETWEEN 6 AND 12 INCHES BELOW GRADE. CONTRACTOR SHALL PROVIDE PULL BOXES AS REQUIRED TO MINIMIZE THE NUMBER OF BENDS TO MEET CODE.

ALL ELECTRICAL DEVICE LOCATIONS SHALL BE COORDINATED WITH THE LANDSCAPE AND CIVIL DRAWINGS/ARCHITECT PRIOR TO ROUGH-IN TO DETERMINE TYPICAL INSTALLATION REQUIREMENTS/LOCATIONS IN RELATION TO THE SITE LANDSCAPE AND CIVIL ELEMENTS. REFER TO LANDSCAPE PLANS FOR EXACT LOCATIONS OF POLES, BOLLARDS, AND/OR INGRADE LUMINAIRES. LOCATIONS ARE COORDINATED WITH SIDEWALKS AND CONCRETE PAVING.

UNDERGROUND CONDUIT IS INDICATED BY DASHED LINES, UBE, USE, UPE, OR UC. ROUTE ALL CONDUIT/CIRCUITING ON FINISHED SPACES CONCEALED IN WALLS, ABOVE CEILINGS, OR BELOW FLOORS. ALL CONDUIT/CIRCUITING SHALL BE RUN PARALLEL TO BUILDING WALLS. ANY SURFACE MOUNTED CONDUIT IN FINISHED SPACES OR MOUNTED ON FINISHED SURFACES SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH IT IS MOUNTED.

ALL NEW CIRCUITS SHALL HAVE GROUNDING CONDUCTORS IN ALL FEEDERS AND BRANCH CIRCUITS.

FOR ALL WEATHERPROOF RECEPTACLE COVERS PROVIDE CAST ALUMINUM, WHILE-IN-USE WEATHERPROOF TYPE COVERS, HUBBELL-MG58XX SERIES OR EQUAL.

ALL EXTERIOR RECEPTACLES SHALL BE GFI PROTECTED DEVICES AND HAVE WEATHERPROOF COVERS.

# SECURITY SYSTEM REQUIREMENTS

BUILDING SECURE ACCESS DOOR HARDWARE, MATERIALS, AND INSTALLATION SHALL BE COORDINATED WITH DOOR HARDWARE VENDOR AND THE GENERAL CONTRACTOR
BUILDING SECURE ACCESS SYSTEM EQUIPMENT, MATERIALS, WIRING, TERMINATIONS, PROGRAMMING, COMMISIONING, AND TRAINING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

THE BUILDING SECURE ACCESS SYSTEM SHALL INCLUDE THE FOLLOWING:
SECUITRON MAGNALOCK SERIES M32 DOOR LOCKS
COMELIT PAC ACCESS 2-DOOR CONTROLLERS
SECURITRON PB SERIES EXIT LOCK RELEASE PUSH BUTTONS
MOTION SENSORS TO RELEASE DOORS IN THE FAMILY RESTROOMS ONLY
INPUT / OUTPUT CONTROLLERS / RELAYS
SECURITRON BPS SERIES POWER SUPPLY UNITS WITH BATTERY BACKUP
INPUT/OUTPUT READER MODULES, NEMA 1 EQUIPMENT ENCLOSURES.
HID RP40 ICLASS SE CARD READERS

RESTROOM DOORS SHALL BE CONTROLLED VIA PROGRAMMABLE TIME OF DAY LOCK/UNLOCK SECURITRON DT-7 DIGITAL TIMER. THE UTILITY, STORAGE, I.T., ELECTRICAL, (AND OFFICE) ROOM DOORS SHALL BE CONTROLLED VIA ADJACENT CARD READER/KEYPAD. INTERIOR MOTION SENSORS AND EXIT BUTTONS SHALL UNLOCK ASSOCIATED ROOM DOORS WHERE INDICATED ON PLAN.

PROVIDE SYSTEM SHOP DRAWINGS INCLUDING: BILL OF MATERIALS, PRODUCT DATA CUT SHEETS, SYSTEM LAYOUT DRAWINGS, AND WIRING DIAGRAMS

# LIGHTING CONTROL NOTES

LIGHTING CONTROL SYSTEM SHALL BE IN COMPLIANCE WITH THE FOLLOWING: INTERNATIONAL ENERGY CONSERVATION CODE (IECC) LOCAL ENFORCED EDITION.

FOR THE FOLLOWING DEVICES, REFER TO THE MANUFACTURER'S WIRING DIAGRAMS, INSTALLATION INSTRUCTIONS, AND REVIEWED/APPROVED SUBMITTAL SHOP DRAWINGS. PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS FOR A COMPLETE AND OPERATIONAL LIGHTING CONTROL SYSTEM.

PROVIDE SPECIFICATION GRADE DEVICES BY COOPER (EATON), HUBBELL, LEVITON, LUTRON, NOVITAS, NLIGHT, SENSOR SWITCH OR WATTSTOPPER.

LOWER CASE LETTERS DENOTE SWITCHING/CONTROL ZONES.

ALL LIGHTING CONTROL CABLE/WIRE SHALL BE STANDARD COLOR AND AS RECOMMENDED BY SYSTEMS MANUFACTURER, ROUTED PARALLEL/PERPENDICULAR TO BUILDING WALLS AND LINES, AND SUPPORTED INDEPENDENTLY FROM OTHER SYSTEMS.

ELECTRICAL CONTRACTOR OR LIGHTING CONTROLS COMMISSIONING AGENT SHALL PROVIDE ALL PROGRAMMING AND COMMISSIONING OF THE LIGHTING CONTROL SYSTEM. ALL LIGHTING SYSTEM PROGRAMMING SHALL BE BASED ON ACTUAL FIELD MEASURED LIGHT LEVELS TO ACHIEVE THE DISTRICT REQUIRED LIGHT LEVELS INDICATED IN THE SPECIFICATIONS. PROGRAMMING AND CALIBRATION OF SYSTEM SHALL BE READILY ACCESSIBLE.

PROGRAM OCCUPANCY SENSORS FOR MANUAL ON / AUTO OFF (VACANCY MODE), UNLESS INSTALLED IN A RESTROOM WHERE AUTO ON/OFF IS ACCEPTABLE, UNLESS NOTED OTHERWISE. PROGRAM TIME OUT AS FOLLOWS, UNLESS NOTED OTHERWISE:

| | |
|---|---|
| STORAGE, CUSTODIAL ROOMS, ETC.: | 5 MINUTES |
| OFFICES AND ASSOC. SPACES: | 15 MINUTES |
| TOILET ROOMS: | 15 MINUTES |

$S_{OS}$ PROVIDE WALL MOUNTED SWITCH PIR OCCUPANCY SENSOR WITH SINGLE ZONE CONTROL. SENSOR SHALL BE CONFIGURED FOR MANUAL ON / AUTO OFF. CONFIGURE FOR 3-WAY SWITCHING WHERE REQUIRED ON DRAWINGS.

$S_{OD}$ PROVIDE WALL MOUNTED SWITCH DUAL TECHNOLOGY OCCUPANCY SENSOR WITH 0-10V DIMMING. SENSOR SHALL BE CONFIGURED FOR MANUAL ON / AUTO OFF. PROGRAM TO TURN ON LIGHTS TO LAST PROGRAMMED LIGHTING LEVEL OR ALLOW TO AUTOMATICALLY COME ON TO LESS THAN 49% FULL LIGHT OUTPUT.

(OS)1 PROVIDE DUAL TECHNOLOGY LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR, WITH 2,000 SQ FT COVERAGE. LOCATE ON CEILING IN CENTER OF ROOM (AWAY FROM THE DOOR) AND AIM INTO ROOM. CONNECT TO ROOM CONTROLLER.

(OS)2 PROVIDE DUAL TECHNOLOGY CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR WITH 2,000 SQ. FT. COVERAGE. LOCATE CENTERED WITHIN SPACE AND WHERE IT WILL DETECT MOTION FROM DOORWAY.

(P)1 PROVIDE CEILING MOUNTED PHOTOCELL FOR INTERIOR DAYLIGHT HARVESTING. PHOTOCELL SHALL PROVIDE DIMMING CAPABILITIES OF THE LIGHTING ZONE INDICATED AS WELL AS COMPLETE SHUT-OFF OF THE LIGHTS. PHOTOCELL SHALL MEASURE THE DAYLIGHT CONTRIBUTION FROM SIDE WINDOWS. CONNECT TO ROOM CONTROLLER OR POWER PACK.

RC #D #S PROVIDE ROOM CONTROLLER, ON/OFF/0-10V DIMMING, TO CONTROL UP TO THE NUMBER OF RELAYS INDICATED. # REFERS TO THE NUMBER OR RELAYS/ZONES CONTROLLED. #D OR #S INDICATES NUMBER OF DIMMED OR SWITCHED ZONES, RESPECTIVELY. LOCATE ROOM CONTROLLER ABOVE ACCESSIBLE CEILING, UP WITHIN THE JOIST/TRUSS CEILING CAVITY ABOVE WALL STATION(S), OR WITHIN UTILITY ROOM. WHERE LOCATED ABOVE CEILING, PROVIDE TYPED LABEL ON CEILING TEE GRID "LIGHTING CONTROLLER ABOVE". CONNECT ROOM CONTROLLER VIA MANUFACTURER'S RECOMMENDED CABLING TO OTHER LIGHTING CONTROL DEVICES IN ROOM. ROOM CONTROLLER SHALL BE RETURN AIR PLENUM RATED.

RC-P # PROVIDE ROOM CONTROLLER (POWER PACK) FOR RECEPTACLE CONTROL. # INDICATES THE NUMBER OF CIRCUITS CONTROLLED. LOCATE ABOVE ACCESSIBLE CEILING, INTERFACE WITH LIGHTING OCCUPANCY SENSOR(S). PROVIDE TYPED LABEL ON CEILING TEE GRID "CONTROLLED RECEPTACLE CONTROLLER ABOVE". CONNECT DEVICE VIA MANUFACTURER'S RECOMMENDED CABLING.

$S_{LV}$ PROVIDE LOW VOLTAGE SWITCH WALL STATION PER MANUFACTURER'S SYSTEM. REFER TO LIGHTING CONTROL FLAG NOTES FOR MORE INFORMATION.

# LIGHTING CONTROL NOTES

1. PROVIDE LOW VOLTAGE SWITCH FOR ON/OFF CONTROL OF LIGHTS
2. PROVIDE LOW VOLTAGE SWITCH FOR ON/OFF/RAISE/LOWER CONTROL OF LIGHTS.

# ELECTRICAL GENERAL NOTES

REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

THE ELECTRICAL INSTALLATION SHALL BE IN COMPLIANCE WITH THE FOLLOWING: NATIONAL ELECTRICAL CODE (NEC) LOCAL ENFORCED EDITION.

CIRCUITING ROUTING SHOWN IS DIAGRAMMATIC. CIRCUIT DESIGNATIONS ARE INDICATED AND SHALL BE STRICTLY FOLLOWED. ALL CIRCUITING SHALL BE COPPER CONDUCTORS IN CONDUIT (3/4" MINIMUM). LUMINAIRES MAY BE CONNECTED VIA MANUFACTURER PROVIDED FLEXIBLE CONDUIT/CONDUCTOR WHIPS. CONTRACTOR SHALL PROVIDE ALL WIRE, CONDUIT, JUNCTION/PULL BOXES, AND SUPPORTS ETC. FOR A COMPLETE ELECTRICAL SYSTEM.

ALL NEW (120V OR 277V SINGLE PHASE) BRANCH CIRCUIT WIRING SHALL ORIGINATE AT SINGLE POLE BREAKERS AND SHALL BE INSTALLED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. THE NEUTRAL CONDUCTOR SHALL HAVE A TRACER STRIPE (THE STRIPE COLOR SHALL MATCH THE COLOR OF THE PHASE CONDUCTOR).

ALL DISTRIBUTION AND BRANCH CIRCUIT FEEDERS SHALL BE PROVIDED WITH AN INSULATED, GREEN GROUND WIRE.

ROUTE ALL CONDUIT/CIRCUITING IN FINISHED SPACES CONCEALED IN WALLS, ABOVE CEILINGS, OR BELOW FLOORS. ALL CONDUIT/CIRCUITING SHALL BE RUN PARALLEL TO BUILDING WALLS AND LINES. ANY SURFACE MOUNTED CONDUIT MOUNTED TO FINISHED SURFACES OR LOCATED IN FINISHED SPACES SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH IT IS MOUNTED.

SURFACE MOUNTED CONDUIT IN FINISHED SPACES AND/OR SPACES NORMALLY OCCUPIED SHALL MOUNTED TIGHT AGAINST THE WALL WITH SINGLE OR DOUBLE HOLE STRAPS.

MOUNTING HEIGHTS ARE AS FOLLOWS UNLESS NOTED OTHERWISE OR A PREVIOUS BUILDING STANDARD HAS BEEN ESTABLISHED.

| | |
|---|---|
| POWER RECEPTACLES | +18" |
| TELEPHONE AND DATA OUTLETS | +18" |
| SWITCHES | +44" |

ALL DIMENSIONS ARE TO THE CENTER OF THE DEVICE.

NEW TELEPHONE, DATA, AND TELE/DATA COMBINATION OUTLETS SHALL CONSIST OF A 4" SQUARE BACK BOX, SINGLE GANG PLASTER RING, AND 1" CONDUIT TO ABOVE THE CEILING. PROVIDE A RUBBER CABLE PROTECTION BUSHING ON THE END OF THE CONDUIT STUBBED OUT ABOVE THE CEILING. THE NUMBER ADJACENT TO THE OUTLET SYMBOL ON THE DRAWINGS INDICATES THE QUANTITY OF OUTLET DEVICE JACKS AND ASSOCIATED CABLES TO BE INSTALLED AT THAT LOCATION.

COORDINATE EXACT POWER AND INSTALLATION REQUIREMENTS OF MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR AND THE MANUFACTURER'S INSTALLATION LITERATURE.

ALL CEILING MOUNTED AND SUSPENDED LUMINAIRES SHALL HAVE A MINIMUM OF TWO SUPPORTS CONNECTED DIRECTLY TO STRUCTURAL COMPONENTS OF THE BUILDING.

CONNECT ALL EXIT SIGNS AND EMERGENCY LUMINAIRES TO UNSWITCHED CONDUCTOR OF THE INDICATED CIRCUIT.

INSULATION COLOR: ALL INSULATED CONDUCTORS (SERVICE ENTRANCE, FEEDER, AND BRANCH CIRCUIT) SHALL HAVE FULL COLORED INSULATION, COLORS AS SPECIFIED IN SECTION 26 05 53 IDENTIFICATION FOR ELECTRICAL SYSTEMS, FOR THE ENTIRE LENGTH OF THE CONDUCTOR. NEUTRAL CONDUCTORS INSTALLED, IN COMPLIANCE WITH THE NEC-LATEST EDITION FOR EACH SINGLE POLE BREAKER, SHALL HAVE A TRACER STRIPE TO MATCH THE CORRESPONDING PHASE CONDUCTOR COLOR.

USE OF MC CABLE IS PROHIBITED EXCEPT FOR LUMINAIRE CONNECTION WHIPS (MAXIMUM OF 6FT ROUTED FROM A HOMERUN CONDUIT J-BOX TO AN INDIVIDUAL LUMINAIRE).

USE OF AC, NM, ENT, OR OTHER MANUFACTURED PRE-WIRED SYSTEMS CABLE IS PROHIBITED.

FOR STEEL CONDUIT LARGER THAN 1/2-INCH SIZE, PROVIDE STEEL INSULATED TYPE BUSHINGS, DESIGNED TO PREVENT ABRASION OF WIRES WITHOUT IMPAIRING THE CONTINUITY OF THE CONDUIT GROUNDING SYSTEM. GROUNDING BUSHINGS SHALL BE LOCKING TYPE AND SHALL BE PROVIDED WITH A FEED-THROUGH COMPRESSION LUG FOR SECURING THE GROUND CABLES. PROVIDE LISTED WATERPROOF FITTINGS FOR ALL CONDUIT IN WET LOCATIONS, SUCH AS EXPOSED TO WEATHER.

GROUNDING BUSHINGS SHALL BE STEEL AND INSTALLED AT BOTH ENDS OF THE CONDUIT ON ALL FEEDERS, AS WELL AS ALL TRANSFORMER, MOTOR, MOTOR CONTROLLER, KITCHEN, AND TVSS EQUIPMENT BRANCH CIRCUITS.

LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE PROVIDED IN SUFFICIENT LENGTHS FOR MAKEUP OF MOTORS, TRANSFORMERS, OR EQUIPMENT, AND/OR RACEWAY CONNECTIONS WHERE ISOLATION OF SOUND AND VIBRATION TRANSMISSION IS REQUIRED.

BOXES SHALL BE PRESSED STEEL, GALVANIZED OR CADMIUM-PLATED (4-INCH X 2 1/8" DEEP MINIMUM SQUARE FOR ALL WALL LOCATIONS, 4 11/16-INCH X 2 1/8" DEEP MINIMUM SQUARE FOR ALL ABOVE CEILING LOCATIONS). SURFACE-MOUNTED DEVICE BOXES MOUNTED BELOW 8 FEET AFF SHALL BE (BELL) CAST-TYPE BOXES WITH THREADED KNOCK-OUTS (PROVIDE WITH KNOCK-OUTS ONLY AS REQUIRED BY CONDUIT ENTERING/LEAVING).

DEVICE COVERPLATES: PROVIDE IDENTIFICATION OF CIRCUITS AT ALL INDIVIDUAL WALL SWITCHES, RECEPTACLES, AND CONTROL DEVICE STATIONS. IDENTIFY CIRCUITS WITH PREPRINTED LABEL ON THE FRONT SIDE OF THE COVERPLATE AS WELL AS IDENTIFY CIRCUITS WITH PERMANENT INK MARKER ON THE BACKSIDE OF THE COVERPLATE.

EQUIPMENT IDENTIFICATION LABELS: ENGRAVED PLASTIC LAMINATE. INSTALL ON EACH UNIT OF EQUIPMENT, INCLUDING CENTRAL OR MASTER UNIT OF EACH SYSTEM. APPLY LABELS FOR EACH UNIT OF THE FOLLOWING CATEGORIES OF EQUIPMENT USING MECHANICAL FASTENERS:

1. DISTRIBUTION AND CONTROL EQUIPMENT
   - A. IDENTIFY EQUIPMENT AS WELL AS LOADS SERVED
   - B. 1/4 INCH LETTERING FOR EQUIPMENT DESIGNATION
   - C. 1/8 INCH LETTERING TO IDENTIFY VOLTAGE & FAULT CURRENT RATING
   - D. 1/8 INCH LETTERING TO IDENTIFY FUSE RATING/TYPE
   - E. 1/8 INCH LETTERING TO IDENTIFY FEEDER (CONDUIT & WIRE SIZE)
   - F. 1/8 INCH LETTERING TO IDENTIFY FEEDER SOURCE
2. INDIVIDUAL CIRCUIT BREAKERS AND SWITCHES IN PANELBOARDS AND SWITCHBOARDS:
   - A. 1/8 INCH LETTERING TO IDENTIFY CIRCUIT AND LOAD SERVED, INCLUDING LOCATION.
   - B. 1/8 INCH LETTERING TO IDENTIFY FEEDER INFORMATION
3. PANELBOARDS, SWITCHBOARDS, ELECTRICAL CABINETS, INDIVIDUAL CIRCUIT BREAKERS, DISCONNECT SWITCHES, AND MOTOR STARTERS:
   - A. 1/4 INCH LETTERING FOR EQUIPMENT DESIGNATION
   - B. 1/8 INCH LETTERING TO IDENTIFY VOLTAGE & FAULT CURRENT RATING
   - C. 1/8 INCH LETTERING TO IDENTIFY FEEDER (CONDUIT & WIRE SIZE)
   - D. 1/8 INCH LETTERING TO IDENTIFY FEEDER SOURCE
4. TRANSFORMERS:
   - A. 1/4 INCH LETTERING TO IDENTIFY EQUIPMENT DESIGNATION.
   - B. 1/8 INCH LETTERING TO IDENTIFY PRIMARY AND SECONDARY VOLTAGES, PRIMARY SOURCE, AND SECONDARY LOAD AND LOCATION.
   - C. 1/8 INCH LETTERING TO IDENTIFY LOAD SERVED
   - D. 1/8 INCH LETTERING TO IDENTIFY FEEDER (CONDUIT & WIRE SIZE)
   - E. 1/8 INCH LETTERING TO IDENTIFY FEEDER SOURCE
5. DEVICES ABOVE CEILINGS (ATTACH LABEL TO T-GRID / ACCESS PANEL):
   - A. 1/4 INCH LETTERING TO IDENTIFY EQUIPMENT DESIGNATION.
   - B. MECHANICALLY FASTENED TO CEILING BELOW DEVICE.

## POWER, LIGHTING, AND TELECOM

- J-BOX
- (M) MOTOR
- CEILING RECEPTACLE
- FLOOR RECEPTACLE
- DUPLEX RECEPTACLE
- FOUR-PLEX RECEPTACLE
- SPLIT DUPLEX RECEPTACLE WITH ONE-HALF CONTROLLED LOAD
- 4-PLEX WITH ONE NON-CONTROLLED LOAD DUPLEX AND ONE CONTROLLED LOAD DUPLEX
- (G) BLANK FACE GFI DEVICE
- GFI 4-PLEX WITH ONE GFI DUPLEX AND ONE GFI PROTECTED STANDARD DUPLEX
- GFI 4-PLEX WITH ONE NON-CONTROLLED LOAD GFI DUPLEX AND ONE CONTROLLED LOAD GFI DUPLEX
- SPECIAL NEMA RECEPTACLE
- HEAVY DUTY DISCONNECT SWITCH
- MOTOR STARTER / CONTACTOR
- HEAVY DUTY STARTER-DISCONNECT
- VFD VFD MOTOR STARTER
- VFD VFD HEAVY DUTY STARTER-DISCONNECT
- T TRANSFORMER
- SPD SURGE SUPPRESSION DEVICE
- M METER
- THERMAL OVERLOAD SW
- BRANCH CIRCUIT PANEL
- TELEPHONE OUTLET
- TELE-DATA OUTLET
- # DATA OUTLET - # INDICATES NUMBER OF DATA DROPS
- TELEPHONE OUTLET FLOOR
- TELE-DATA OUTLET FLOOR
- TV OUTLET
- EMERGENCY BATTERY LIGHT
- WALL MOUNTED EXIT SIGN
- CEILING MOUNT EXIT SIGN
- CLG MNT EX/EM LT COMBO
- SURFACE WALL LUMINAIRE
- SURFACE CEILING LUMINAIRE
- KEYLESS LAMP HOLDER
- RECESSED DOWNLIGHT
- RECESSED WALL WASHER
- LUMINAIRE STRIP
- SURFACE OR WALL LUMINAIRE
- RECESSED LUMINAIRE
- RECESSED LUMINAIRE 1x4
- TRACK LIGHTING
- PARKING LOT POLE LIGHT
- PEDESTRIAN POLE LUMINAIRE
- FLOOD LUMINAIRE
- S SWITCH
- $S_3$ 3-WAY SWITCH
- $S_{OS}$ OCCUPANCY SENSOR SWITCH
- $S_{OD}$ OCC. SENSOR DIMMER SWITCH
- $S_{LV}$ LOW VOLTAGE SWITCH
- D DIMMER SWITCH
- (P) PHOTOCELL
- OS OCCUPANCY SENSOR
- PP OCC. SEN. POWER PACK
- RC ROOM CONTROLLER
- RCN NETWORK ROOM CONTROLLER
- RC-P ROOM CONTROLLER FOR CONTROLLED PLUG LOADS
- TC TIME CLOCK
- (C) CLOCK-WALL MOUNT
- CS CLOCK/SPEAKER IN COMBINATION BACK-BOX
- (S) SPEAKER-WALL MOUNT
- (S) SPEAKER HORN-WALL MOUNT
- S SPEAKER-RECESSED CEILING (HARD CEILING)
- S SPEAKER-RECESSED CEILING (LAYIN GRID CEILING)
- (S) SPEAKER-SURFACE OR PENDANT MOUNT CEILING
- C CALL STATION
- PUSH BUTTON STATION

## GENERAL

- SECTION BUBBLE
  - SECTION LETTER
  - # REFERENCE DWG NUMBER
- REFERENCE BUBBLE
  - SECTION NUMBER
  - # REFERENCE NUMBER
- # REVISION NUMBER
- # EQUIPMENT TAG
- # DRAWING NOTE
- # FLAG NOTE
- ~ BREAKLINE
- MATCHLINE
- WM WIREMOLD
- OPE OVERHEAD PRIMARY ELECTRIC
- OSE OVERHEAD SECONDARY ELECTRIC
- UPE UNDERGROUND PRIMARY ELECTRIC
- USE UNDERGROUND SECONDARY ELECTRIC
- UBE UNDERGROUND BRANCH ELECTRIC
- OBE OVERHEAD BRANCH ELECTRIC
- UC UNDERGROUND COMMUNICATION
- SEC UNDERGROUND SECURITY
- N BOLD LINEWEIGHT AND/OR "N" INDICATES NEW DEVICE OR EQUIPMENT
- R BOLD LINEWEIGHT AND/OR "R" INDICATES DEVICE OR EQUIPMENT TO BE REPLACED
- E LIGHT LINEWEIGHT AND/OR "E" INDICATES EXISTING DEVICE TO REMAIN
- D DASHED LINETYPE AND/OR "D" INDICATES DEVICE TO BE REMOVED / DEMOLISHED

## ELECTRONIC SAFETY AND SECURITY

- MAGNETIC DOOR HOLD
- $(S)_S$ SMOKE DETECTOR
- $(S)_T$ THERMAL DETECTOR
- $(S)_V$ VAPE DETECTOR
- D DUCT SMOKE DETECTOR
- F MANUAL PULL STATION
- COMBO SPEAKER/STROBE
- CEILING ALARM STROBE LIGHT
- WALL ALARM STROBE LIGHT
- S H ALARM SPEAKER OR HORN
- (R) REMOTE INDICATOR LIGHT
- FS FLOW SWITCH
- TS TAMPER SWITCH
- CM CONTROL MODULE
- MM MONITOR MODULE
- BTR BEAM DETECTION TRANSMITTER
- BR BEAM DETECTION RECEIVER
- $(B)_{CO}$ CARBON MONOXIDE DETECTOR
- S REMOTE TEST SWITCH
- A AIPHONE MONITOR STATION
- (S) AIPHONE INTERCOM STATION
- DH ELECTRIC DOOR HARDWARE
- GB GLASS BREAK DETECTOR
- (C) CAMERA
- (C) 90 DEGREE CAMERA
- (C) 180 DEGREE CAMERA
- (C) 270 DEGREE CAMERA
- (C) 360 DEGREE CAMERA
- MS MOTION SENSOR
- CR CARD READER
- ML MAGNETIC LOCK
- DS DOOR SWITCH
- KP SECURITY CONTROL KEYPAD
- EB EXIT BUTTON
- ES ELECTRIC STRIKE
- REX REQUEST TO EXIT
- DC DOOR CONTROLLER

## DEFINITIONS

| | |
|---|---|
| AC | INDICATES ABOVE COUNTER, COORDINATE EXACT HEIGHT |
| BC | INDICATES BELOW COUNTER, COORDINATE EXACT HEIGHT |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| GFI | INDICATES GROUND FAULT CIRCUIT INTERRUPT DEVICE |
| D | INDICATES EXISTING DEVICE TO BE REMOVED |
| E | INDICATES EXISTING DEVICE TO REMAIN AS IS |
| ELEC | ELECTRICAL / ELECTRONIC |
| EC GC SSC TC | ELECTRICAL CONTRACTOR GENERAL CONTRACTOR ELEC SECURITY CONTRACTOR TELECOM CABLING CONTRACTOR |
| R | INDICATES EXISTING DEVICE TO BE REPLACED |
| RL | INDICATES EXISTING DEVICE TO BE RELOCATED TO POSITION SHOWN |
| SPD | INDICATES SURGE SUPRESSION DEVICE |
| USB | INDICATES UNIVERSAL SERIAL BUS DEVICE |
| VFD | INDICATES VARIABLE FREQUENCY MOTOR DRIVE |
| WP | INDICATES WEATHERPROOF EQUIPMENT/DEVICE |
| EMT | ELECTRICAL METALLIC CONDUIT |
| FMC | FLEXIBLE METALLIC CONDUIT |
| LFC | LIQUIDTIGHT FLEXIBLE CONDUIT |
| PVC | POLYVINYL CHLORIDE CONDUIT |
| RNC | RIGID NONMETALLIC CONDUIT |
| RSC | RIGID STEEL CONDUIT |
| CT | CURRENT TRANSFORMER |
| HVAC | HEATING, VENTILATION AIR CONDITIONING |
| LED | LIGHT EMITTING DIODE |
| AIC | AMPS INTERRUPTING CAPACITY |
| Isc | SHORT CIRCUIT CURRENT |
| FLA | FULL LOAD AMPS |
| MCA | MINIMUM CIRCUIT AMPS |
| MCCB | MOLDED-CASE CIRCUIT BREAKER |
| MCP | MOTOR CIRCUIT PROTECTOR |
| MOCP | MAXIMUM OVERCURRENT PROTECTION |
| OCPD | OVERCURRENT PROTECTIVE DEVICE |
| N.C. | NORMALLY CLOSED |
| N.O. | NORMALLY OPEN |
| NL | NIGHT LIGHT |
| NEC | NATIONAL ELECTRICAL CODE NFPA 70 |
| NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| UL | UNDERWRITERS LABORATORY |
| ACS | ACCESS CONTROL SYSTEM |
| SDS | SECURITY DETECTION SYSTEM |
| VSS | VIDEO SURVEILLANCE SYSTEM |
| ANN | FIRE ALARM ANNUNCIATOR PANEL |
| DACT | DIGITAL ALARM COMMUNICATOR TRANSMITTER |
| EOL | END-OF-LINE |
| FACP | FIRE ALARM CONTROL PANEL |
| NAC | NOTIFICATION APPLIANCE CIRCUIT |
| SLC | SIGNALING LOOP CIRCUIT |
| AV | AUDIOVISUAL |
| MDF | MAIN DISTRIBUTION FACILITY |
| IDF | INTERMEDIATE DISTRIBUTION FACILITY |
| LAN | LOCAL AREA NETWORK |
| WAN | WIDE AREA NETWORK |
| TBB | TELECOMMUNICATIONS BONDING BACKBONE |
| TGB | TELECOMMUNICATIONS GROUNDING BUS BAR |
| TMGB | TELECOMMUNICATIONS MAIN GROUNDING BUS BAR |
| UPS | UNINTERRUPTIBLE POWER SUPPLY |
| DLZ# | DAYLIGHT ZONE AREA |

# CODE REFERENCES

DFPC ADOPTED CODES:

| | |
|---|---|
| 2021 | INTERNATIONAL BUILDING CODE (IBC) |
| 2021 | INTERNATIONAL EXISTING BUILDING CODE (IEBC) |
| 2021 | INTERNATIONAL FIRE CODE (IFC) |
| 2021 | INTERNATIONAL MECHANICAL CODE (IMC) |
| 2021 | INTERNATIONAL ENERGY CONSERVATION CODE (IECC) |
| 2021 | NFPA 170 |
| 2017 | INTERNATIONAL CODE COUNCIL (ICC) A117.1 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES |

DORA ADOPTED CODES:

| | |
|---|---|
| 2021 | COLORADO PLUMBING CODE (CPC) |
| 2021 | COLORADO FUEL GAS CODE (CFGC) |
| 2023 | NATIONAL ELECTRICAL CODE (NEC) |


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| Drawn By: | AEI |
| Checked By: | AEI |

Key Map

Drawing

ELECTRICAL LEGEND AND NOTES

E-000

SITE PLAN SUBMITTAL
Page 286 of 311

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THE SQUARES ABOVE ARE (FROM LEFT TO RIGHT) BLACK, YELLOW, MAGENTA & CYAN (FROM TOP TO BOTTOM)

- DIGITAL SIGN: PROVIDE POWER. PROVIDE "UC" PATHWAY.
- HANDHOLE #1.2
- HANDHOLE #0.1
- HANDHOLE #1.1
- HANDHOLE #0.2
- HANDHOLE #1.0
- ELECTRICAL SERVICE #2: BASE BID: PANELS MOUNTED ON STANCHION AT THIS LOCATION.
- ELECTRICAL GRADE BOX
- HANDHOLE #0.3
- HANDHOLE #2.0
- HANDHOLE #2.1
- SECURITY HANDHOLE #4.2b
- ELECTRICAL SERVICE #1 480Y/277V/600A-PAD MOUNT TRANSFORMER BY CORE
- ELECTRICAL SERVICE #4 480Y/277V/200A-PAD MOUNT TRANSFORMER BY CORE
- ELECTRICAL MAINTENANCE HOLE - BY TOWN OF PARKER
- HANDHOLE #3.0
- TELECOM ROOM
- HANDHOLE #0.4
- HANDHOLE #4.2
- HANDHOLE #4.1
- HANDHOLE #0.5
- HANDHOLE #4.2a
- HEADQUARTERS BLDG REFER TO E-111B FOR BLDG ELEC PLANS
- HANDHOLE #4.0
- HANDHOLE #3.1
- HANDHOLE #5.0
- ELECTRICAL SERVICE #3 480Y/277V/200A-PAD MOUNT TRANSFORMER BY CORE
- HANDHOLE #5.1
- OVERALL SITE ELECTRICAL PLAN MATCH LINE

## SITE PLAN FLAG NOTES:

1. ROUTE UNDERGROUND COMMUNICATIONS CONDUITS AND SECURITY CONDUITS BELOW CONCRETE SIDEWALK.

Site Electrical Plan - South
SCALE: 1" = 80'
0 40 80 160 240
SCALE IN FEET
2 E-100A

Site Electrical Plan
SCALE: 1" = 80'
0 40 80 160 240
SCALE IN FEET
1 E-100A

## SITE PLAN GENERAL NOTES

ALL WIRING SHALL BE IN COMPLIANCE WITH THE NEC LATEST EDITION: ALL MULTI-WIRE BRANCH CIRCUITS (120V OR 277V SINGLE PHASE CIRCUITS) IDENTIFIED IN THE PANEL SCHEDULES ORIGINATING FROM SINGLE POLE BREAKER SHALL BE INSTALLED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. THE NEUTRAL CONDUCTOR SHALL HAVE A TRACER STRIPE (THE STRIPE COLOR SHALL MATCH THE COLOR OF THE PHASE CONDUCTOR).

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ALL EXTERIOR RECEPTACLES SHALL BE GFI PROTECTED DEVICES AND HAVE WEATHERPROOF COVERS.

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES


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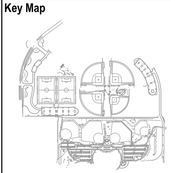
| **Checked By:** | HFR |

**Key Map**



**Drawing**

OVERALL SITE ELECTRICAL PLAN - BASE BID

# E-100A

SITE PLAN SUBMITTAL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THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE EITHER A PRINTED OR SCAN ISSUE

C M Y K

DIGITAL SIGN: PROVIDE POWER. PROVIDE "UC" PATHWAY.

HANDHOLE #1.2

ALTERNATE 1: COMMUNITY HUB BLDG REFER TO E-111A FOR BLDG ELEC PLANS

ELECTRICAL SERVICE #2: ALTERNATE #1: IF ALT #1 IS ACCEPTED THEN THE ELEC SERVICE #2 PANELS WILL BE MOUNTED IN THE ELEC ROOM AT THE COMMUNITY HUB BUILDING.

TELECOM ROOM

HANDHOLE #2.1

HANDHOLE #0.1

HANDHOLE #1.1

HANDHOLE #0.2

ELECTRICAL GRADE BOX

HANDHOLE #0.3

HANDHOLE #2.0

HANDHOLE #1.0

ELECTRICAL SERVICE #2: BASE BID: PANELS MOUNTED ON STANCHION AT THIS LOCATION.

ELECTRICAL MAINTENANCE HOLE - BY TOWN OF PARKER

HANDHOLE #3.0

ELECTRICAL SERVICE #1 480Y/277V/600A-PAD MOUNT TRANSFORMER BY CORE

ELECTRICAL SERVICE #4 480Y/277V/200A-PAD MOUNT TRANSFORMER BY CORE

SECURITY HANDHOLE #4.2b

TELECOM ROOM

HANDHOLE #0.4

HANDHOLE #4.2

HANDHOLE #4.1

HANDHOLE #0.5

HANDHOLE #4.2a

HEADQUARTERS BLDG REFER TO E-111B FOR BLDG ELEC PLANS

HANDHOLE #4.0

HANDHOLE #3.1

HANDHOLE #5.0

ELECTRICAL SERVICE #3 480Y/277V/200A-PAD MOUNT TRANSFORMER BY CORE

HANDHOLE #5.1

OVERALL SITE ELECTRICAL PLAN MATCH LINE

OVERALL SITE ELECTRICAL PLAN MATCH LINE

## SITE PLAN FLAG NOTES:

1. ROUTE UNDERGROUND COMMUNICATIONS CONDUITS AND SECURITY CONDUITS BELOW CONCRETE SIDEWALK.

Site Electrical Plan - South
SCALE: 1" = 80'
2 / E-100B

Site Electrical Plan
SCALE: 1" = 80'
1 / E-100B

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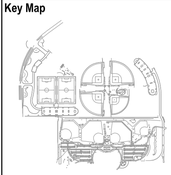

**Drawing**

OVERALL SITE ELECTRICAL PLAN - ALTERNATES

# E-100B

SITE PLAN SUBMITTAL
Page 288 of 311


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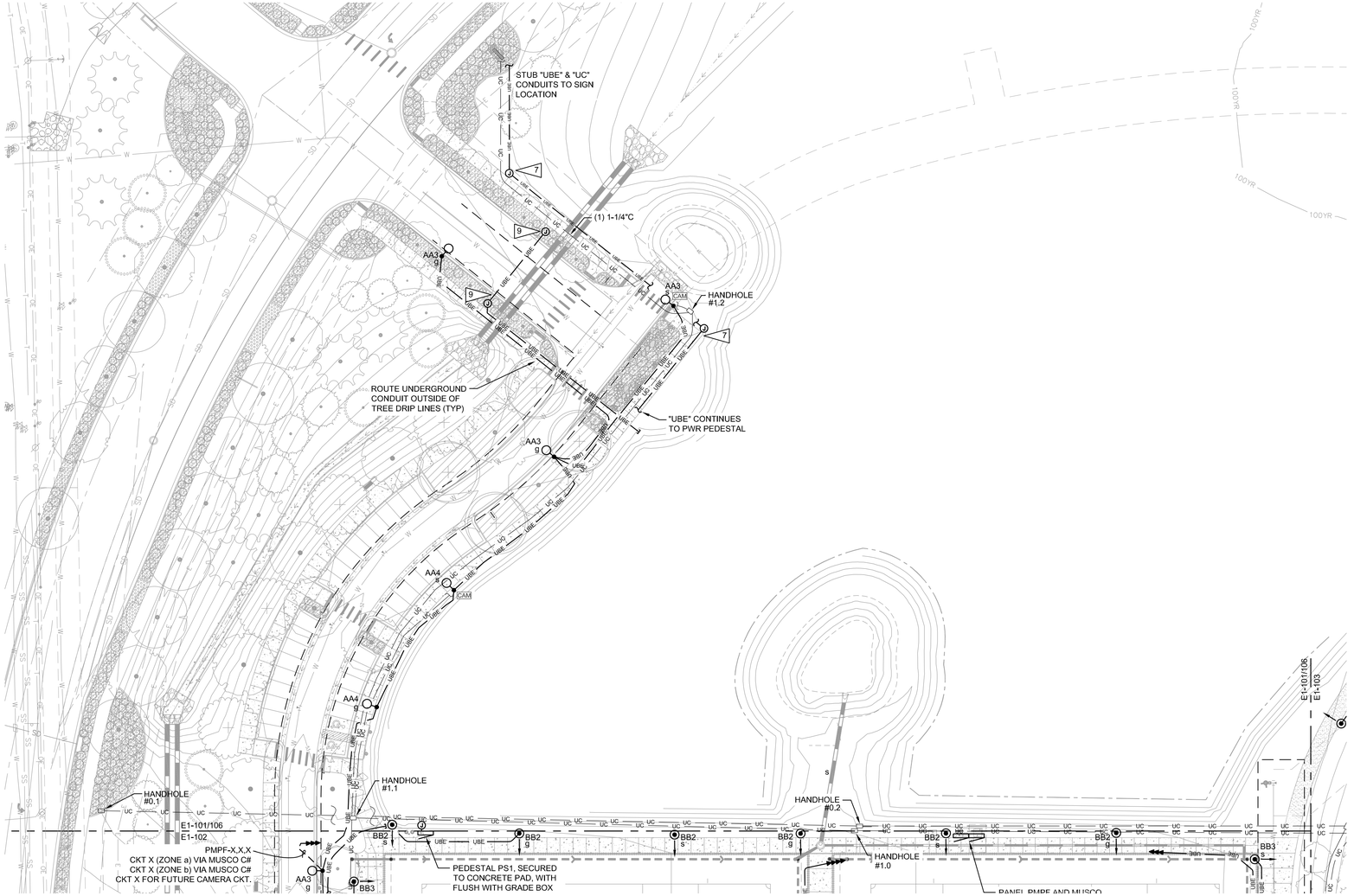
COLORADO 811 — CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES




Site Electrical Plan

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

1 / E1-101

## PLAN GENERAL NOTES:

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL NOTES, AND LIGHTING FLAG NOTES. (TYPICAL FOR ALL SHEETS).

SITE LIGHTING CONTROL ZONES: s = SECURITY, g = GENERAL. REFER TO LIGHTING CONTROL SCHEDULES FOR MORE INFORMATION ON BRANCH CIRCUITING.

## FLAG NOTES:

NOT ALL FLAG NOTES MAY BE USED ON EACH SHEET.

1. PROVIDE WHILE IN-USE WEATHERPROOF, GFI RECEPTACLE MOUNTED ON POST WITHIN BACKFLOW PREVENTOR ENCLOSURE. REFER TO DETAIL ON DETAILS SHEET.
2. PROVIDE WEATHERPROOF, GFI DUPLEX RECEPTACLE IN DUGOUT. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCH.
3. PROVIDE 120V CIRCUIT FOR SCOREBOARD POWER. PROVIDE LIGHTNING PROTECTION FOR SCOREBOARD.
4. PROVIDE PEDESTAL FOR FOOD TRUCK VENDORS. REFER TO DETAIL ON E-500 SERIES.
5. PROVIDE WEATHERPROOF, GFI DUPLEX RECEPTACLE ON BACKSIDE OF BACKSTOP FENCE FOR SCOREBOARD CONTROLLER.
6. - - NOT USED - -
7. POWER FOR DIGITAL SIGN.
8. PROVIDE FLUSH WITH GRADE J-BOX, WITHIN 2' OF BACK OF CURB, WITH 1-1/4"C BACK TO NEAREST EV CHARGING PEDESTAL.
9. PROVIDE EXTERIOR FLUSH WITH GRADE GROUND BOX (12"x18"x30"D) WITH 1" CONDUIT EXTENDING TO LIMITS OF WORK BOUNDARY, AS INDICATED. CAP AND STAKE CONDUIT. PROVIDE PULL STRING. FOR FUTURE HOLIDAY LIGHTING RECEPTACLES TO BE EXTENDED TO AND FED FROM HUB BLDG.
10. PROVIDE EXTERIOR GROUND BOX WITH TWO (2) 20A DUPLEX RECEPTACLES IN A WEATHERPROOF GRADE BOX WITH WHILE IN-USE COVER, LEGRAND WIREMOLD XB814C520GY GRAY. PROVIDE 20A GFI PROTECTED CIRCUIT AS INDICATED.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**MECHANICAL ENGINEER**
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9777 Pyramid Court, #200
Englewood, CO 80112
p. 303.688.0223


Town of Parker
# SALISBURY PARK NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134


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LANDSCAPE ARCHITECTURE

PLANNING

INTERIOR DESIGN

| | DATE | DESCRIPTION |
|---|---|---|

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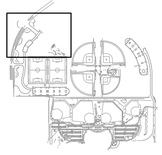
|---|---|
| **Project Number:** | 223072.00 |
| **Sheet Issue Date:** | 2024-11-22 |
| **Drawn By:** | AEI |
| **Checked By:** | HFR |

**Key Map**



**Drawing**

SITE ELECTRICAL PLAN

# E1-101

SITE PLAN SUBMITTAL



CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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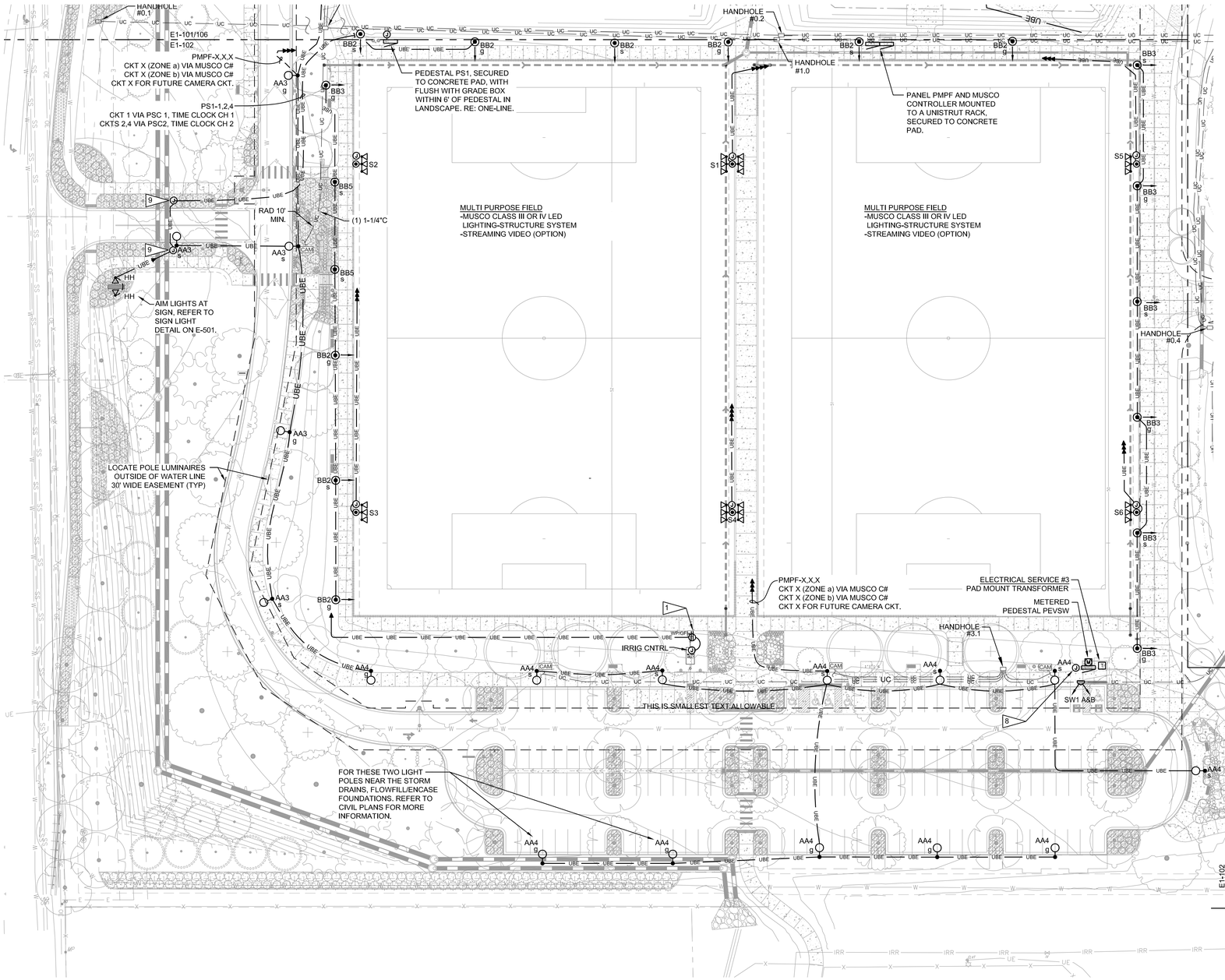
THE SQUARES ABOVE ARE (FROM L-R) WHITE, BLACK AND SPOT COLOR IF PRINTED CORRECTLY

THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED AT FULL SIZE ON ARCH E1 SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE EQUIVALENTS WHEN PLOTTED




## Site Electrical Plan

SCALE: 1" = 40'

1
E1-102

0 20 40 80 120

SCALE IN FEET

## PLAN GENERAL NOTES:

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL NOTES, AND LIGHTING FLAG NOTES. (TYPICAL FOR ALL SHEETS).

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2. PROVIDE WEATHERPROOF, GFI DUPLEX RECEPTACLE IN DUGOUT. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCH.
3. PROVIDE 120V CIRCUIT FOR SCOREBOARD POWER. PROVIDE LIGHTNING PROTECTION FOR SCOREBOARD.
4. PROVIDE PEDESTAL FOR FOOD TRUCK VENDORS. REFER TO DETAIL ON E-500 SERIES.
5. PROVIDE WEATHPROOF, GFI DUPLEX RECEPTACLE ON BACKSIDE OF BACKSTOP FENCE FOR SCOREBOARD CONTROLLER.
6. - - NOT USED - -
7. POWER FOR DIGITAL SIGN.
8. PROVIDE FLUSH WITH GRADE J-BOX, WITHIN 2' OF BACK OF CURB, WITH 1-1/4"C BACK TO NEAREST EV CHARGING PEDESTAL.
9. PROVIDE EXTERIOR FLUSH WITH GRADE GROUND BOX (12"x18"x30"D) WITH 1" CONDUIT EXTENDING TO LIMITS OF WORK BOUNDARY, AS INDICATED. CAP AND STAKE CONDUIT. PROVIDE PULL STRING. FOR FUTURE HOLIDAY LIGHTING RECEPTACLES TO BE EXTENDED TO AND FED FROM HUB BLDG.
10. PROVIDE EXTERIOR GROUND BOX WITH TWO (2) 20A DUPLEX RECEPTACLES IN A WEATHERPROOF GRADE BOX WITH WHILE IN-USE COVER, LEGRAND WIREMOLD XB814C520GY GRAY. PROVIDE 20A GFI PROTECTED CIRCUIT AS INDICATED.


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INTERIOR DESIGN

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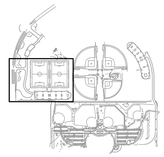
| **Checked By:** | HFR |

**Key Map**



**Drawing**

SITE ELECTRICAL PLAN

# E1-102

SITE PLAN SUBMITTAL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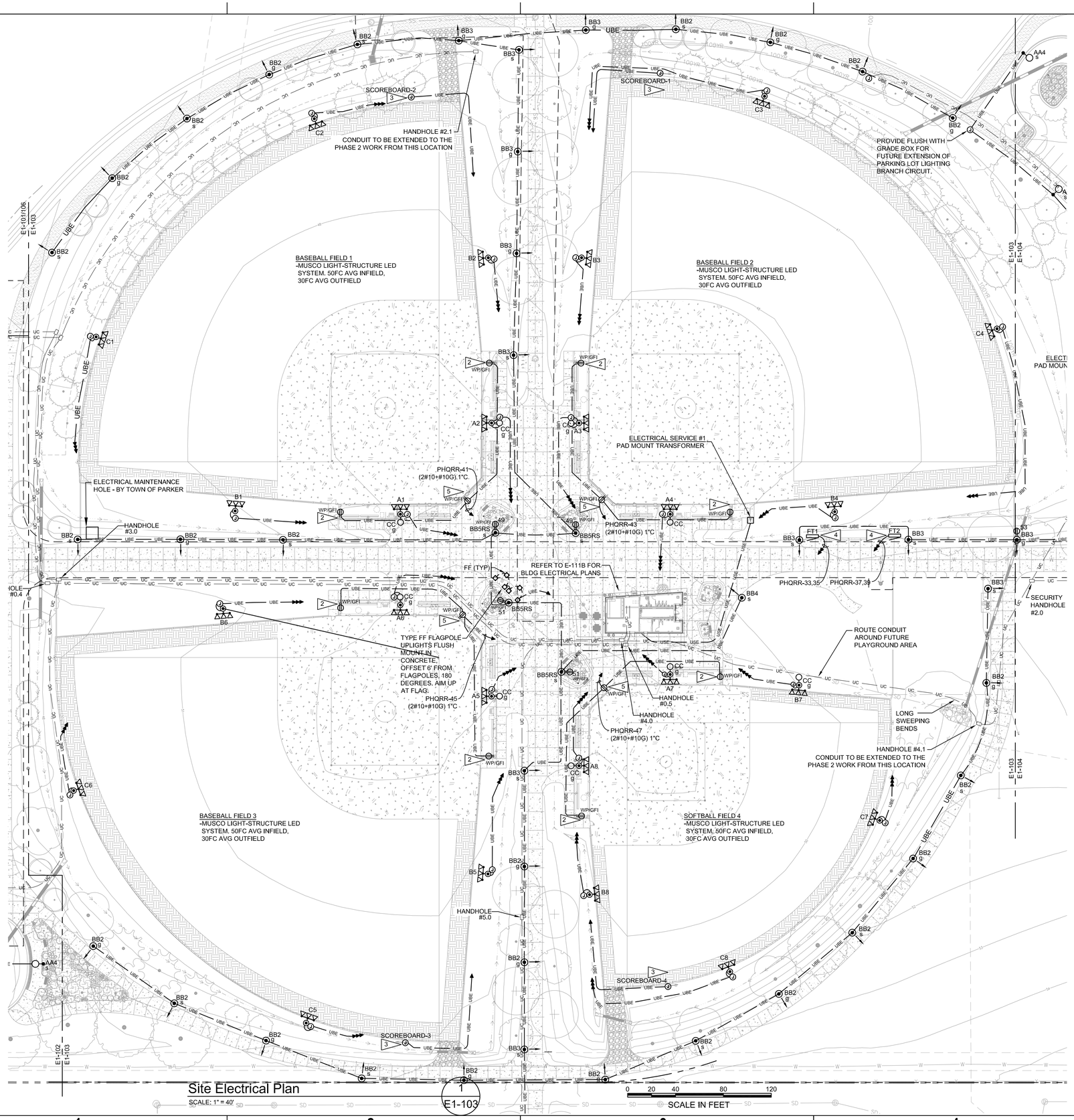


Site Electrical Plan

SCALE: 1" = 40'

E1-103

## PLAN GENERAL NOTES:

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL NOTES, AND LIGHTING FLAG NOTES. (TYPICAL FOR ALL SHEETS).

SITE LIGHTING CONTROL ZONES: s = SECURITY, g = GENERAL. REFER TO LIGHTING CONTROL SCHEDULES FOR MORE INFORMATION ON BRANCH CIRCUITING.

## FLAG NOTES:

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1. PROVIDE WHILE IN-USE WEATHERPROOF, GFI RECEPTACLE MOUNTED ON POST WITHIN BACKFLOW PREVENTOR ENCLOSURE. REFER TO DETAIL ON DETAILS SHEET.
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4. PROVIDE PEDESTAL FOR FOOD TRUCK VENDORS. REFER TO DETAIL ON E-500 SERIES.
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6. - - NOT USED - -
7. POWER FOR DIGITAL SIGN.
8. PROVIDE FLUSH WITH GRADE J-BOX, WITHIN 2' OF BACK OF CURB, WITH 1-1/4"C BACK TO NEAREST EV CHARGING PEDESTAL.
9. PROVIDE EXTERIOR FLUSH WITH GRADE GROUND BOX (12"x18"x30"D) WITH 1" CONDUIT EXTENDING TO LIMITS OF WORK BOUNDARY, AS INDICATED. CAP AND STAKE CONDUIT. PROVIDE PULL STRING. FOR FUTURE HOLIDAY LIGHTING RECEPTACLES TO BE EXTENDED TO AND FED FROM HUB BLDG.
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COLORADO 811
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Town of Parker
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PARKER, CO 80134

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PLANNING

INTERIOR DESIGN

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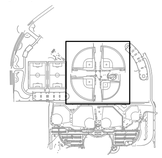
**Key Map**



**Drawing**

SITE ELECTRICAL PLAN

# E1-103

SITE PLAN SUBMITTAL
Page 291 of 311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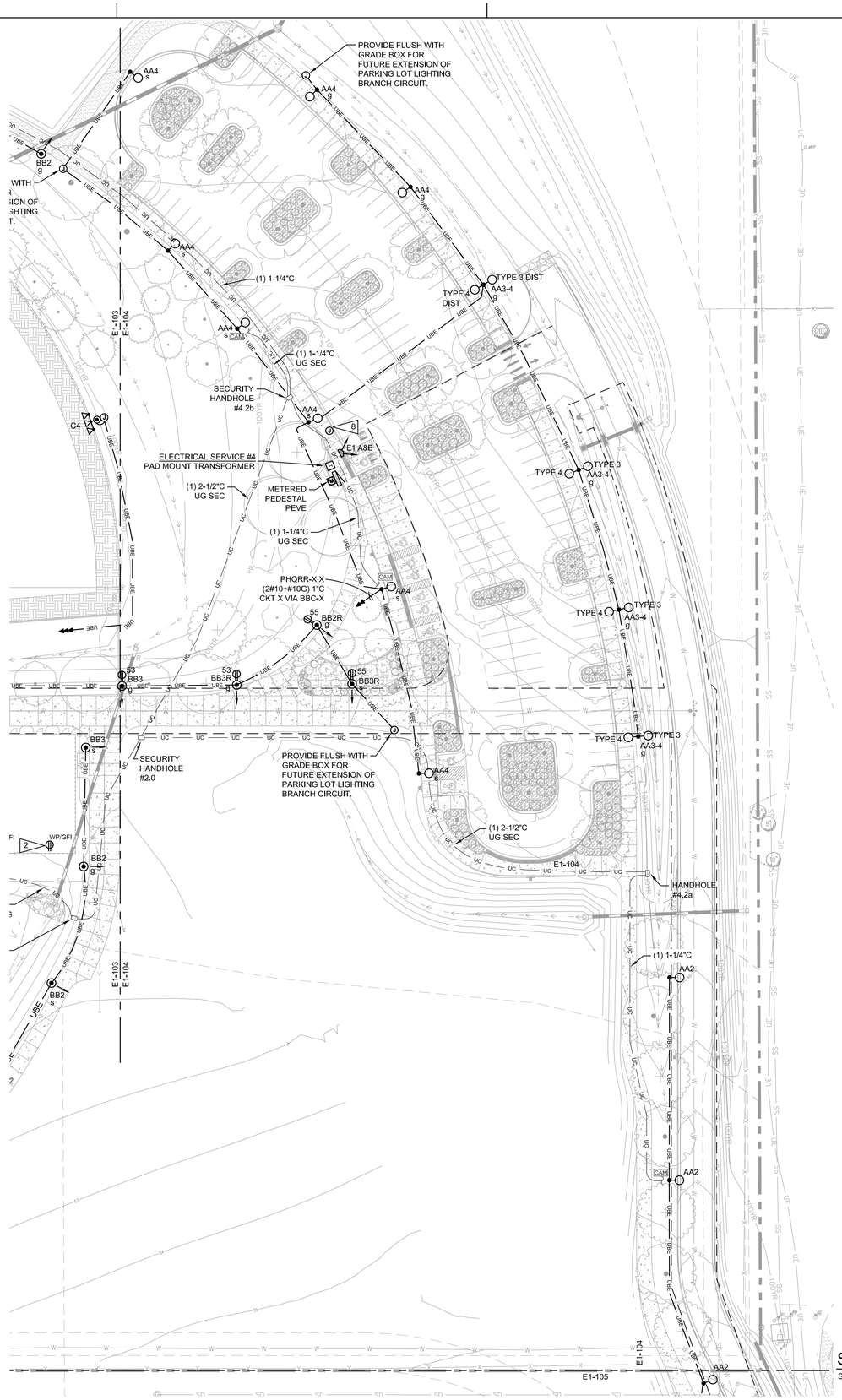


## PLAN GENERAL NOTES:

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL NOTES, AND LIGHTING FLAG NOTES. (TYPICAL FOR ALL SHEETS).

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Site Electrical Plan
SCALE: 1" = 40'

1
E1-104

0 20 40 80 120
SCALE IN FEET

COLORADO 811
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Town of Parker
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11700 MOTSENBOCKER RD
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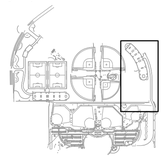
**Key Map**



**Drawing**

SITE ELECTRICAL PLAN

# E1-104

SITE PLAN SUBMITTAL
Page 292 of 311

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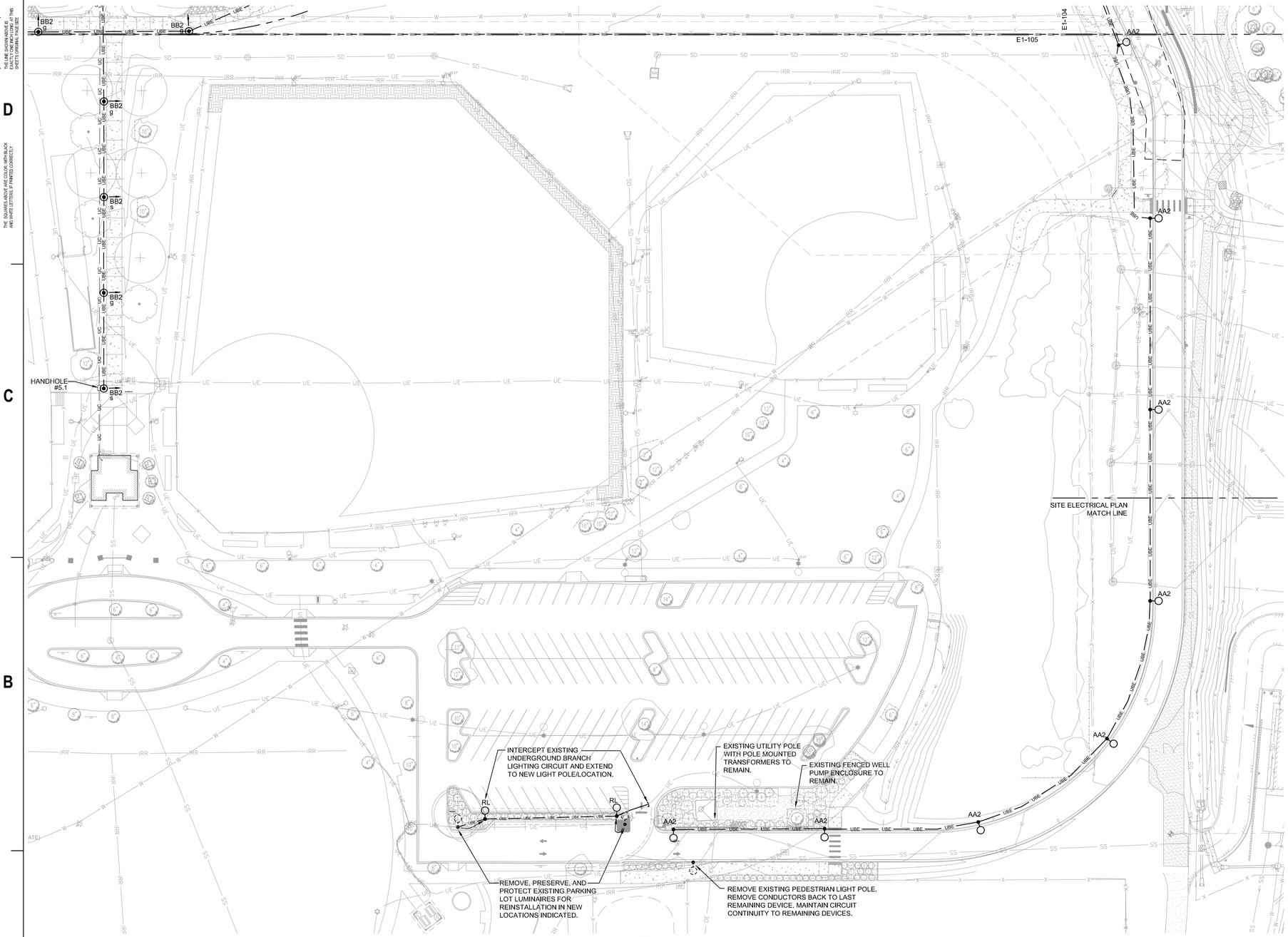


Site Electrical Plan
SCALE: 1" = 40'

0 20 40 80 120
SCALE IN FEET

1
E1-105

## PLAN GENERAL NOTES:

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL NOTES, AND LIGHTING FLAG NOTES. (TYPICAL FOR ALL SHEETS).

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Town of Parker
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ARCHITECTURE

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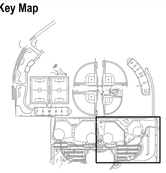
**Key Map**



**Drawing**

SITE ELECTRICAL PLAN

# E1-105

SITE PLAN SUBMITTAL
Page 293 of 311

COLORADO 811
CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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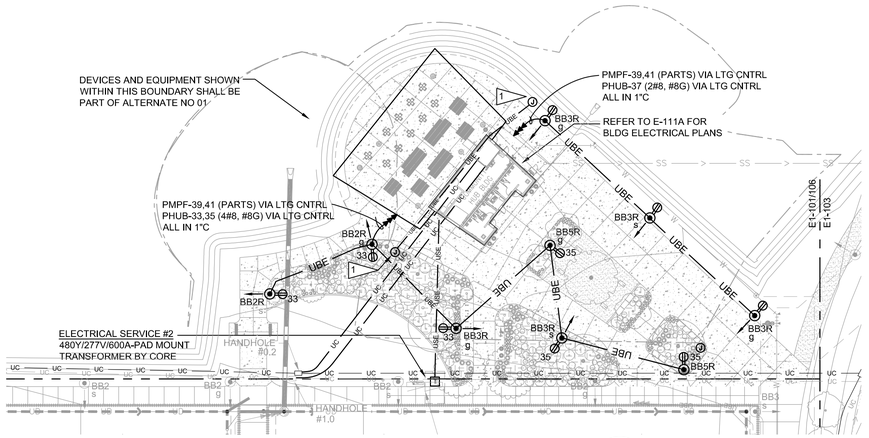
## FLAG NOTES - ALTERNATES:

NOT ALL FLAG NOTES MAY BE USED ON EACH SHEET.

1. PROVIDE FLUSH WITH GRADE PULL BOX WITH (2) 3-1/2" CONDUITS TO SUPPORT FUTURE PHASE 3 PARK BUILD-OUT. RE: FLUSH WITH GRADE PULL BOX DETAIL, DRAWING SHEET E-501.

2. ALTERNATE NO. 04 - BATTING CAGES: PROVIDE WEATHPROOF, GFI DUPLEX RECEPTACLE ALONG INSIDE OF FENCING FOR PITCHING MACHINE.



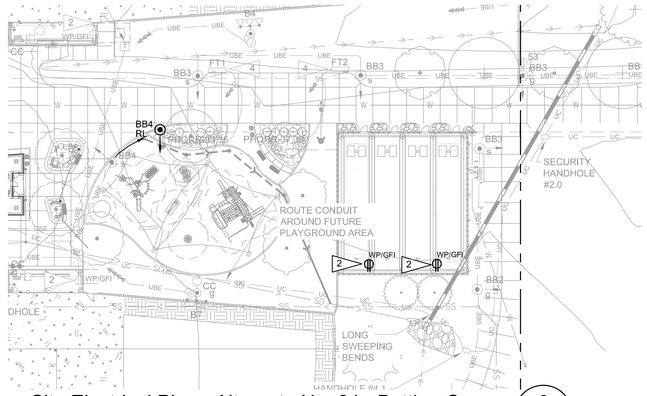

Site Electrical Plan - Alternate No. 01 - HUB Bldg

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

1 E1-106




Site Electrical Plan - Alternate No. 04 - Batting Cages

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

2 E1-106

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES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Town of Parker
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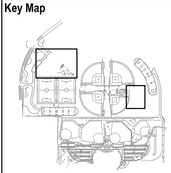

**Drawing**

SITE ELECTRICAL PLAN - ALTERNATES

# E1-106

SITE PLAN SUBMITTAL


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THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LEFTOVER, IF PRINTED CORRECTLY

## Salisbury Park - HUB Restroom Building - Equipment Electrical Connection Schedule

| | Description | Electrical Load | Volt | Ph | AIC | Feeder Conductors & Conduit All Conductors shall be Copper | Protection | Notes |
|---|---|---|---|---|---|---|---|---|
| EF-1A | Exhaust Fan - Mens RR | 66 W | 120 | 1 | NA | Panel PHUB-13, Share with Lts Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse | 1,3 |
| EF-1B | Exhaust Fan - Womens RR | 66 W | 120 | 1 | NA | Panel PHUB-13, Share with Lts Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse | 1,3 |
| EF-2 | Exhaust Fan - Family RR | 96 W | 120 | 1 | NA | Panel PHUB-13, Share with Lts Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse | 1,3 |
| EF-3 | Exhaust Fan - Storage (on Roof) | 1/4 HP 5.8 FLA | 120 | 1 | NA | Panel PHUB-20 (15A1P) Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 8A Fuse | 3,7 |
| EF-4 | Exhaust Fan - Electrical Rm | 66 W | 120 | 1 | NA | Panel PHUB-30 Brkr (15A1P) Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse | 3,8 |
| ECUH-1A | Electric Cabinet Unit Heater - Mens | 5.0 kVA 24.0 MCA | 208 | 1 | NA | Panel PHUB-12,14 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 25FRS-R | 2 |
| ECUH-1B | Electric Cabinet Unit Heater - Womens | 5.0 kVA 24.0 MCA | 208 | 1 | NA | Panel PHUB-8,10 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 25FRS-R | 2 |
| ECUH-2 | Electric Cabinet Unit Heater - Family | 2.0 kVA 10.0 MCA | 208 | 1 | NA | Panel PHUB-16,18 Brkr (20A2P) Feeder (2#12+1#12G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 12FRS-R | 2 |
| EUH-1A | Electric Unit Heater - Chase | 5.0 kVA 24 MCA | 208 | 1 | NA | Panel PHUB-22,24 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 30FRS-R | 2 |
| EUH-1B | Electric Unit Heater - Chase | 5.0 kVA 24 MCA | 208 | 1 | NA | Panel PHUB-26,28 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 25FRS-R | 2 |
| AC-1 | Ductless Split AC Fan Coil Unit - IT Rm | 0.5 MCA | 208 | 1 | NA | Panel PHUB-3,5 Brkr (15A2P) Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A2P / 2A Fuse | 3,4,5 |
| AC-2 | Ductless Split AC Fan Coil Unit - IT Rm | 0.5 MCA | 208 | 1 | NA | Panel PHUB-3,5 Share with AC-1 Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A2P / 2A Fuse | 3,4,5 |
| CU-1 | Ductless Split AC Condensing Unit | 25.0 MCA 40.0 MOCP | 208 | 1 | NA | Panel PHUB-7,9 Brkr (40A2P) Feeder (2#8+1#10G) 3/4"C | Heavy Duty Safety Disc @ Unit 60A2P / 40FRS-R | 2 |
| EWH-1 | Electric Water Heater | 6.0 kW 12.5 A | 480 | 3 | NA | Panel PMPF-32,34,36 Brkr (20A3P) Feeder (3#12+1#12G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 15FRN-R | 2 |
| CP-1 | Circulation Pump | 70W 1A | 120 | 1 | NA | Panel PHUB-1 (20A1P) Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 20A1P / 5A Fuse | 3 |
| OHD | Overhead Door | 3/4 HP 13.8 FLA | 120 | 1 | NA | Panel PHUB-11 Brkr (20A2P) Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 20A1P / 20A Fuse | 3,6 |
| HD | Hand Dryer | 1620 W | 120 | 1 | NA | Panel PHQRR-Ckts on Plans (20A1P) Feeder (2#12+1#12G) 1/2"C | | |

Notes (All notes may not be used in the schedule aboved):

| | |
|---|---|
| 1 | Control with lighting controller in room (occupancy sensor on with lights in each room) < |
| 2 | Provide a new NEMA-3R Heavy Duty Safety Disconnect at the unit and provide a new power feeder from the indicated Electrical Panel to the equipment as indicated < |
| 3 | Provide a new Thermal Overload Safety Disconnect at the unit and provide a new power feeder from the indicated Electrical Panel to the new equipment as indicated < |
| 4 | Unit power and control provided from associated Condensing Unit (CU) by Div 26, verify exact wiring requirements with equipment manufacturer, supplier, and installer < |
| 5 | Unit furnished with Condensate Pump, Provide NEMA 5-20R Recept for Condensate Pump Power Connection - Share branch Circuit with nearest convenience receptacle < |
| 6 | Overhead Door Operator furnished and installed by Div 11 Contractor, Power and line voltage control Wiring by Div 16 Contractor (EC). Install 3-button controller, Open / Close / Stop. < |
| 7 | Provide connection to line voltage switch or variable speed control switch, refer to Mechanical Plans and coordinate with Div 23 Contractor for Switch location. Standard Toggle Switch furnished by Div 26 / Variable Speed Switch furnished by Div 23 / all line voltage wiring and terminations by Div 26 < |
| 8 | Provide conduit to for low voltage thermostat, refer to Mechanical Plans and coordinate with Div 23 Contractor for thermostat location. T-Stat by Div 23 < |

COORDINATE EXACT REQUIREMENTS FOR ALL ELECTRICAL WORK, ASSOCIATED WITH THE MECHANICAL EQUIPMENT MODIFICATIONS, WITH THE MECHANICAL CONTRACTOR, MANUFACTURERS' NAMEPLATES AND LITERATURE PRIOR TO ROUGH-IN. REFER TO THE MECHANICAL PLANS (HVAC & PLUMBING) FOR ALL EQUIPMENT LOCATIONS

Name: **PHUB - Hub Bldg - Alternate 1** Mnt Method: **Surface**
Volt: **208/120** Bus Rating: **1200**
Ph: **3** Main Breaker: **1000**
Wire: **4** AIC Rating: **10,000**

| | Code | Description | Load VA | Bkr | P | Ph A | Ph B | Ph C | P | Bkr | Load VA | Description | Code | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | Circ Pump | 70 | 20 | 1 | * | | | 1 | 20 | | SPARE | | 2 |
| 3 | 3 | AC-1 & AC-2 IT Room | 208 | 15 | 2 | | * | | 1 | 20 | | SPARE | | 4 |
| 5 | | ----- | / | / | | | | * | 1 | 20 | | SPARE | | 6 |
| 7 | 6 | CU-1 for AC-1 & AC-2 | 5200 | 40 | 2 | * | | | 2 | 30 | 4800 | ECUH-1B Women RR | 4 | 8 |
| 9 | | ----- | / | | | | * | | / | | | ----- | | 10 |
| 11 | 6 | Overhead Door | 1656 | 20 | 1 | | | * | 2 | 30 | 4800 | ECUH-1A Men RR | 4 | 12 |
| 13 | 1 | Lighting Int, Efs | 912 | 20 | 1 | * | | | / | | | ----- | | 14 |
| 15 | | Lighting Exterior | 885 | 20 | 1 | | * | | 2 | 20 | 2000 | ECUH-2 Family RR | 4 | 16 |
| 17 | 2 | Recep Ded 4-plex | 1000 | 20 | 1 | | | * | / | | | ----- | | 18 |
| 19 | 2 | Recep Ded 4-plex | 1000 | 20 | 1 | * | | | 1 | 15 | 696 | EF-3 Storage (Roof) | 3 | 20 |
| 21 | 2 | Recep | 2000 | 20 | 2 | | * | | 2 | 30 | 5000 | EUH-1A Storage (Chase) | 4 | 22 |
| 23 | | / | | 1 | | | | * | / | | | ----- | | 24 |
| 25 | 2 | Recep | 720 | 20 | 1 | * | | | 2 | 30 | 5000 | EUH-1B Storage (Chase) | 4 | 26 |
| 27 | 2 | Recep | 720 | 20 | 1 | | * | | / | | | ----- | | 28 |
| 29 | 2 | Recep IT Rm | 720 | 20 | 1 | | | * | 1 | 15 | 66 | EF-4 Elec Room | 3 | 30 |
| 31 | 2 | Recep IT Rm | 540 | 20 | 1 | * | | | 1 | 20 | 1620 | Hand Dryer-Mens | 6 | 32 |
| 33 | 2 | Rec Exterior Bldg | 720 | 20 | 1 | | * | | 1 | 20 | 1620 | Hand Dryer-Mens | 6 | 34 |
| 35 | 2 | Rec Pedestrian | 800 | 20 | 1 | | | * | 1 | 20 | 1620 | Hand Dryer-Womens | 6 | 36 |
| 37 | 2 | Rec Pedestrian | 800 | 20 | 1 | * | | | 1 | 20 | 1620 | Hand Dryer-Womens | 6 | 38 |
| 39 | 2 | Rec Pedestrian | 1200 | 20 | 1 | | * | | 1 | 20 | 1620 | Hand Dryer-Family | 6 | 40 |
| 41 | | SPARE | | 20 | 1 | | | * | 1 | 20 | | SPACE | | 42 |
| 43 | | SPARE | | 20 | 1 | * | | | 3 | 100 | 28000 | CAMLock - Co Switch | 6 | 44 |
| 45 | | SPARE | | 20 | 1 | | * | | / | | | ----- | | 46 |
| 47 | | SPARE | | 20 | 1 | | | * | / | | | ----- | | 48 |
| 49 | | SPARE | | 20 | 1 | * | | | 3 | 100 | 28000 | CAMLock - Co Switch | 6 | 50 |
| 51 | | SPARE | | 20 | 1 | | * | | / | | | ----- | | 52 |
| 53 | | SPARE | | 20 | 1 | | | * | / | | | ----- | | 54 |
| 55 | | SPARE | | 20 | 1 | * | | | - | | | Space Only | | 56 |
| 57 | | SPARE | | 20 | 1 | | * | | - | | | Space Only | | 58 |
| 59 | | SPARE | | 20 | 1 | | | * | - | | | Space Only | | 60 |
| 61 | | Space Only | | - | | * | | | - | | | Space Only | | 62 |
| 63 | | Space Only | | - | | | * | | - | | | Space Only | | 64 |
| 65 | | Space Only | | - | | | | * | - | | | Space Only | | 66 |
| 67 | | Space Only | | - | | * | | | - | | | Space Only | | 68 |
| 69 | | Space Only | | - | | | * | | - | | | Space Only | | 70 |
| 71 | | Space Only | | - | | | | * | - | | | Space Only | | 72 |
| 73 | | Space Only | | - | | * | | | - | | | Space Only | | 74 |
| 75 | | Space Only | | - | | | * | | - | | | Space Only | | 76 |
| 77 | | Space Only | | - | | | | * | - | | | Space Only | | 78 |
| 79 | 7 | Pnl PPRR - Playground | 100088 | 350 | 3 | * | | | - | | | Space Only | | 80 |
| 81 | | (Future) | / | / | | | * | | - | | | Space Only | | 82 |
| 83 | | | | / | | | | * | - | | | Space Only | | 84 |

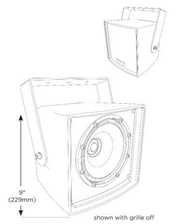
| Code | Description | Load VA | Dem |
|---|---|---|---|
| 1 | Lighting | **1797** | 125% |
| 2 | Rec up to 10,000 | **10000** | 100% |
| | Rec over 10,000 | **220** | 50% |
| 3 | Motor | **274** | 100% |
| | Largest Motor | **696** | 125% |
| 4 | Heater | **21600** | 100% |
| 5 | Kitchen | | 100% |
| 6 | Miscellaneous | **71026** | 100% |
| 7 | Sub Panel | **100088** | 100% |

Load Summary

| Per | Phase | | |
|---|---|---|---|
| Ph A | **69907** | VA | |
| Ph B | **70898** | VA | |
| Ph C | **64895** | VA | |
| Connected | | **205700.5** | VA |
| Code | Demand | **206214** | VA |
| Code | Demand | **573.07** | Amps |

**COMMUNITY R Series**

# R.15COAX




Speaker PA (Typical)
N.T.S.

**COMMUNITY**

# W2-218

Speaker Special Events (Typical)
N.T.S.

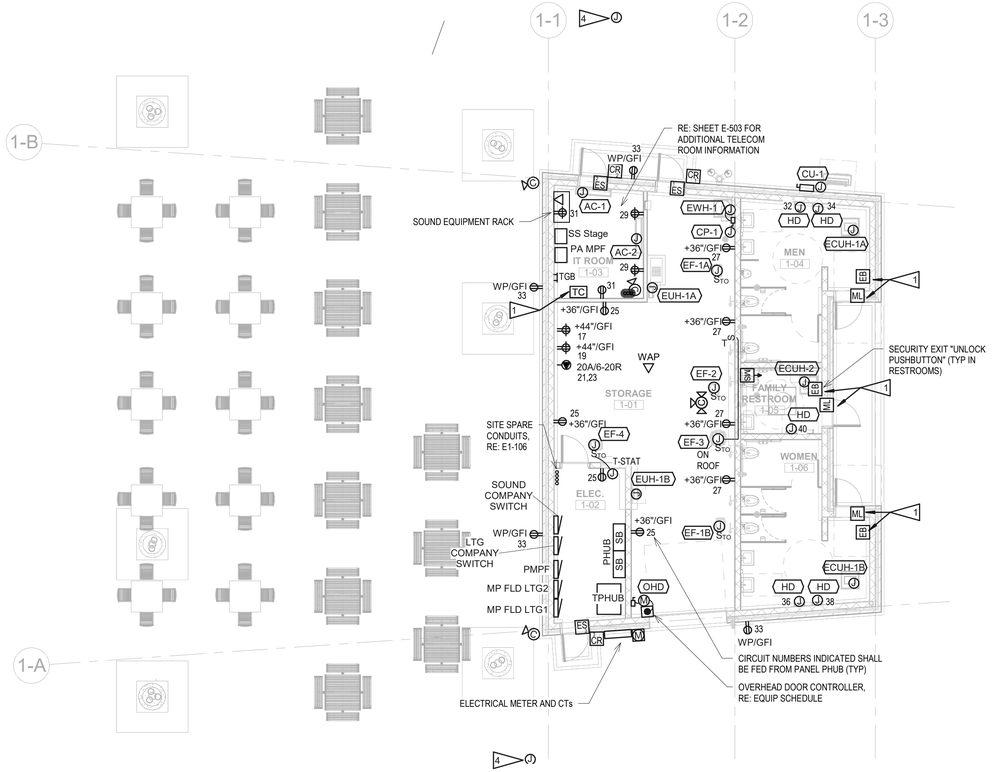
## ELECTRICAL NOTES

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL GENERAL NOTES, AND LIGHTING CONTROL NOTES.

## FLAG NOTES

NOT ALL FLAG NOTES MAY BE USED ON EACH SHEET.

1. PROVIDE DOOR LOCKS INTEGRATED WITH PARK SECURITY SYSTEM. RESTROOM DOORS SHALL BE CONTROLLED VIA PROGRAMMABLE TIME OF DAY LOCK/UNLOCK SECURITRON DT-7 DIGITAL TIMER. THE UTILITY, STORAGE, I.T., ELECTRICAL, (AND OFFICE) ROOM DOORS SHALL BE CONTROLLED VIA ADJACENT CARD READER/KEYPAD. REFER TO DRAWING SHEET E-000 FOR MORE INFORMATION REGARDING SECURITY SYSTEM REQUIREMENTS.
2. PROVIDE POWER TO BACKLIT SIGNAGE SPECIFIED BY ARCHITECT. COORDINATE WITH SIGN MANUFACTURER ON POWER CONNECTION LOCATIONS AND QUANTITIES. REFER TO ARCHITECTURAL PLANS FOR ELEVATIONS AND FOR MORE INFORMATION ON SIGNAGE.
3. LOCATE, AIM, AND FOCUS LUMINAIRES TO HIGHLIGHT LETTER SIGNAGE AND PLACARDS.
4. FLUSH WITH GRADE BOX WITH SPARE CONDUITS FROM ELECTRICAL PANELS IN BUILDING TO BE UTILIZED FOR FUTURE PARK BUILD-OUT. REFER TO SITE ELECTRICAL PLAN FOR MORE INFORMATION ON SIZING AND LOCATION(S).




**1 COMMUNITY HUB BUILDING POWER PLAN - ALTERNATE NO. 01**
1/8" = 1'-0"

**2 COMMUNITY HUB BUILDING LIGHTING PLAN - ALTERNATE NO. 1**
1/8" = 1'-0"


**hord | coplan | macht**

LANDSCAPE ARCHITECT / ARCHITECT
1800 Wazee Street, Suite 450
Denver, CO 80202
p.303.607.0977

CIVIL ENGINEER / STRUCTURAL ENGINEER
JVA Incorporated
1675 Larimer Street, #500
Denver, CO 80202
p. 303.444.1951

ELECTRICAL ENGINEER
Ackerman Engineering, Inc.
3000 Youngfield Street, #264
Wheat Ridge, CO 80215
p. 303.278.7297

IRRIGATION
Avocet Irrigation
11757 W. Ken Caryl Ave., Suite F-509
Littleton, CO 80127
p. 303.986.2175

MECHANICAL ENGINEER
ENVISION Mechanical Engineers, Inc.
9777 Pyramid Court, #260
Englewood, CO 80112
p. 303.680.0223


Town of Parker
SALISBURY PARK
NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134

**hord | coplan | macht**

ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

| Δ | DATE | DESCRIPTION |
|---|---|---|

| | |
|---|---|
| Project Number: | 223072.00 |
| Sheet Issue Date: | 2024-11-22 |
| Drawn By: | HFR |
| Checked By: | AEI |

Key Map

Drawing

COMMUNITY HUB ELECTRICAL PLANS - ALTERNATE NO. 01

# E-111A

SITE PLAN SUBMITTAL
Page 295 of 311

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11/20/2024 2:28:08 PM

# Salisbury Park - Headquarters Restroom Building - Equipment Electrical Connection Schedule

| | Description | Electrical Load | Volt | Ph | AIC | Feeder Conductors & Conduit All Conductors shall be Copper | Protection | Notes |
|---|---|---|---|---|---|---|---|---|
| EF-1A | Exhaust Fan - Mens RR | 66 W | 120 | 1 | NA | Panel PHQRR-27, Share with Lts Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse | 1,3 |
| EF-1B | Exhaust Fan - Womens RR | 66 W | 120 | 1 | NA | Panel PHQRR-27, Share with Lts Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse | 1,3 |
| EF-1C | Exhaust Fan - Chase | 66 W | 120 | 1 | NA | Panel PHQRR-27, Share with Lts Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse | 3,7 |
| EF-2 | Exhaust Fan - Family RR | 96 W | 120 | 1 | NA | Panel PHQRR-27, Share with Lts Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse | 1,3 |
| EF-4A | Exhaust Fan - Electrical Rm | 66 W | 120 | 1 | NA | Panel PHQRR-2, Brkr (20A1P) Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse | 3,7 |
| EF-4B | Exhaust Fan - Storage Rm | 66 W | 120 | 1 | NA | Panel HPHQRR-2 Share with EF-4A Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse | 3,7 |
| ECUH-1A | Electric Cabinet Unit Heater - Mens | 5kW 24 MCA | 208 | 1 | NA | Panel PHQRR-12,14 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 30FRN-R | 2 |
| ECUH-1B | Electric Cabinet Unit Heater - Womens | 5kW 24 MCA | 208 | 1 | NA | Panel PHQRR-8,10 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 30FRN-R | 2 |
| ECUH-1C | Electric Cabinet Unit Heater - Storage | 5kW 24 MCA | 208 | 1 | NA | Panel PHQRR-22,24 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 30FRN-R | 2 |
| ECUH-2A | Electric Cabinet Unit Heater - Family | 2kW 10 MCA | 208 | 1 | NA | Panel PHQRR-16,18 Brkr (20A2P) Feeder (2#12+1#12G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 15FRN-R | 2 |
| ECUH-2B | Electric Cabinet Unit Heater - Office | 2kW 10 MCA | 208 | 1 | NA | Panel PHQRR-4,6 Brkr (20A2P) Feeder (2#12+1#12G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 15FRN-R | 2 |
| EUH-1A | Electric Unit Heater - Chase | 5.0 kW 24 MCA | 208 | 1 | NA | Panel PHQRR-36,38 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 30FRN-R | 2 |
| EUH-1B | Electric Unit Heater - Electrical Rm | 5.0 kW 24 MCA | 208 | 1 | NA | Panel PHQRR-3,5 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 30FRN-R | 2 |
| AC-3 | Ductless Split AC Fan Coil Unit - IT Rm | 0.5 MCA | 208 | 1 | NA | Panel PHQRR-11,13 Brkr (15A2P) Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A2P / 2A Fuse | 3,4,5 |
| AC-4 | Ductless Split AC Fan Coil Unit - Office | 1.6 MCA | 208 | 1 | NA | Panel PHQRR-11,13 Share with AC-3 Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 15A2P / 4A Fuse | 3,4,5 |
| CU-2 | Ductless Split AC Condensing Unit | 25.0 MCA 40.0 MOCP | 208 | 1 | NA | Panel PHQRR-15,17 Brkr (40A2P) Feeder (2#8+1#10G) 3/4"C | Heavy Duty Safety Disc @ Unit 60A2P / 40FRS-R | 2 |
| EWH-1 | Electric Water Heater | 6.0 kW 12.5 A | 480 | 3 | NA | Panel PBBF-74,76,78 Brkr (20A3P) Feeder (3#12+1#12G) 1/2"C | Heavy Duty Safety Disc @ Unit 30A2P / 15FRN-R | 2 |
| CP-1 | Circulation Pump | 70W 1A | 120 | 1 | NA | Panel PHQRR-1 (20A1P) Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 20A1P / 5A Fuse | 3 |
| OHD | Overhead Door | 3/4 HP 13.8 FLA | 120 | 1 | NA | Panel PHQRR-31 Brkr (20A1P) Feeder (2#12+1#12G) 1/2"C | Thermal Overload Safety Disc @ Unit 20A1P / 20A Fuse | 3,6 |
| HD | Hand Dryer | 1620 W | 120 | 1 | NA | Panel PHQRR-Ckts on Plans (20A1P) Feeder (2#12+1#12G) 1/2"C | | |

Notes (All notes may not be used in the schedule aboved):

| | |
|---|---|
| 1 | Control with lighting controller in room (occupancy sensor on with lights in each room) < |
| 2 | Provide a new NEMA-3R Heavy Duty Safety Disconnect at the unit and provide a new power feeder from the indicated Electrical Panel to the equipment as indicated < |
| 3 | Provide a new Thermal Overload Safety Disconnect at the unit and provide a new power feeder from the indicated Electrical Panel to the new equipment as indicated < |
| 4 | Unit power and control provided from associated Condensing Unit (CU) by Div 26, verify exact wiring requirements with equipment manufacturer, supplier, and installer < |
| 5 | Unit furnished with Condensate Pump, Provide NEMA 5-20R Recept for Condensate Pump Power Connection - Share branch Circuit with nearest convenience receptacle < |
| 6 | Overhead Door Operator furnished and installed by Div 11 Contractor, Power and line voltage control Wiring by Div 16 Contractor (EC). Install 3-button controller, Open / Close / Stop. < |
| 7 | Provide connection to line voltage switch or variable speed control switch, refer to Mechanical Plans and coordinate with Div 23 Contractor for Switch location. Standard Toggle Switch furnished by Div 26 / Variable Speed Switch furnished by Div 23 / all line voltage wiring and terminations by Div 26 < |
| 8 | Provide conduit to for low voltage thermostat, refer to Mechanical Plans and coordinate with Div 23 Contractor for thermostat location. T-Stat by Div 23 < |

COORDINATE EXACT REQUIREMENTS FOR ALL ELECTRICAL WORK, ASSOCIATED WITH THE MECHANICAL EQUIPMENT MODIFICATIONS, WITH THE MECHANICAL CONTRACTOR, MANUFACTURERS' NAMEPLATES AND LITERATURE PRIOR TO ROUGH-IN. REFER TO THE MECHANICAL PLANS (HVAC & PLUMBING) FOR ALL EQUIPMENT LOCATIONS

Name: **PHQRR - Headquarters**
Volt: **208/120**
Ph: **3**
Wire: **4**

Mnt Method: **Surface**
Bus Rating: **400**
Main Breaker: **350**
AIC Rating: **10,000**

| | Code | Description | Load VA | Bkr | P | Ph A | Ph B | Ph C | P | Bkr | Load VA | Description | Code | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | Circ Pump | 200 | 20 | 1 | * | | | 1 | 20 | 132 | EF-4A & 4B | 3 | 2 |
| 3 | 4 | EUH-1B Elec Rm | 5000 | 40 | 2 | | * | | 2 | 20 | 2000 | ECUH-2B Office | 4 | 4 |
| 5 | | ----- | | / | | | | * | | / | | ----- | | 6 |
| 7 | 2 | Rec IT | 720 | 20 | 1 | * | | | 2 | 30 | 4800 | ECUH-1B Women | 4 | 8 |
| 9 | 2 | Rec IT | 540 | 20 | 1 | | * | | | / | | ----- | | 10 |
| 11 | 3 | AC-3, AC-4 | 436.8 | 15 | 2 | | | * | 2 | 30 | 4800 | ECUH-1A Men | 4 | 12 |
| 13 | | ----- | | / | | * | | | | / | | ----- | | 14 |
| 15 | 6 | CU-2 | 5200 | 40 | 2 | | * | | 2 | 20 | 2000 | ECUH-2A Family | 4 | 16 |
| 17 | | ----- | | / | | | | * | | / | | ----- | | 18 |
| 19 | 2 | Rec-Stor, Elec,Chase | 900 | 20 | 1 | * | | | 1 | 20 | | Spare | | 20 |
| 21 | 2 | Rec-Exterior | 540 | 20 | 1 | | * | | 2 | 30 | 4800 | ECUH-1C Storage | 4 | 22 |
| 23 | 2 | Rec-Office | 900 | 20 | 1 | | | * | | / | | ----- | | 24 |
| 25 | 2 | Rec-Office | 720 | 20 | 1 | * | | | 1 | 20 | | SPARE | | 26 |
| 27 | 1 | Ltg - Bldg Int, RR EFs | 1053 | 20 | 1 | | * | | 1 | 20 | | SPARE | | 28 |
| 29 | 1 | Ltg - Bldg Exterior | 400 | 20 | 1 | | | * | 3 | 60 | 15000 | Concessions Equip | 5 | 30 |
| 31 | 6 | Overhead Door | 1656 | 20 | 1 | * | | | | / | | ----- | | 32 |
| 33 | 6 | Food Truck FT1 | 7000 | 50 | 2 | | * | | | / | | ----- | | 34 |
| 35 | | | | / | | | | * | 2 | 40 | 5000 | EUH-1A Chase | 4 | 36 |
| 37 | 6 | Food Truck FT2 | 7000 | 50 | 2 | * | | | | / | | ----- | | 38 |
| 39 | | | | / | | | | * | 1 | 20 | 1620 | Hand Dryer-Womens | 6 | 40 |
| 41 | 2 | Rec BB Field 1 Backstp | 540 | 20 | 1 | | | * | 1 | 20 | 1620 | Hand Dryer-Womens | 6 | 42 |
| 43 | 2 | Rec BB Field 2 Backstp | 540 | 20 | 1 | * | | | 1 | 20 | 1620 | Hand Dryer-Mens | 6 | 44 |
| 45 | 2 | Rec BB Field 3 Backstp | 540 | 20 | 1 | | * | | 1 | 20 | 1620 | Hand Dryer-Mens | 6 | 46 |
| 47 | 2 | Rec BB Field 4 Backstp | 540 | 20 | 1 | | | * | 1 | 20 | 1620 | Hand Dryer-Family | 6 | 48 |
| 49 | 2 | Rec Pedestrian Lts | 800 | 20 | 1 | * | | | 1 | 20 | | SPARE | | 50 |
| 51 | 2 | Rec Pedestrian Lts | 800 | 20 | 1 | | * | | 1 | 20 | | SPARE | | 52 |
| 53 | 2 | Rec Pedestrian Lts | 800 | 20 | 1 | | | * | 1 | 20 | | SPARE | | 54 |
| 55 | 2 | Rec Pedestrian Lts | 800 | 20 | 1 | * | | | | - | | Space Only | | 56 |
| 57 | | SPARE | | 20 | 1 | | * | | | - | | Space Only | | 58 |
| 59 | | SPARE | | - | | | | * | | - | | Space Only | | 60 |
| 61 | | SPARE | | - | | * | | | | - | | Space Only | | 62 |
| 63 | | SPARE | | - | | | * | | | - | | Space Only | | 64 |
| 65 | | SPARE | | - | | | | * | | - | | Space Only | | 66 |
| 67 | | Space Only | | - | | * | | | | - | | Space Only | | 68 |
| 69 | | Space Only | | - | | | * | | | - | | Space Only | | 70 |
| 71 | | Space Only | | - | | | | * | | - | | Space Only | | 72 |
| 73 | | Space Only | | - | | * | | | | - | | Space Only | | 74 |
| 75 | | Space Only | | - | | | * | | | - | | Space Only | | 76 |
| 77 | | Space Only | | - | | | | * | | - | | Space Only | | 78 |
| 79 | 7 | Pedestal PS1 | 5450 | 60 | 3 | * | | | | - | | Space Only | | 80 |
| 81 | | ----- | | / | | | * | | | - | | Space Only | | 82 |
| 83 | | ----- | | / | | | | * | | - | | Space Only | | 84 |

| Code | Description | Load VA | Dem |
|---|---|---|---|
| 1 | Lighting | **1453** | 125% |
| 2 | Rec up to 10,000 | **9680** | 100% |
| | Rec over 10,000 | | 50% |
| 3 | Motor | **132** | 100% |
| | Largest Motor | **437** | 125% |
| 4 | Heater | **28400** | 100% |
| 5 | Kitchen | **15000** | 100% |
| 6 | Miscellaneous | **29156** | 100% |
| 7 | Sub Panel | **5450** | 100% |

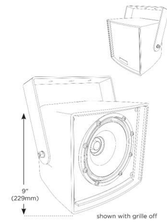
Load Summary

Per Phase
Ph A **25923** VA
Ph B **32430** VA
Ph C **31355** VA

Connected **89707.8** VA
Code Demand **90180** VA

Code Demand **250.61** Amps

## COMMUNITY R Series
# R.15COAX




Speaker PA (Typical)
N.T.S.

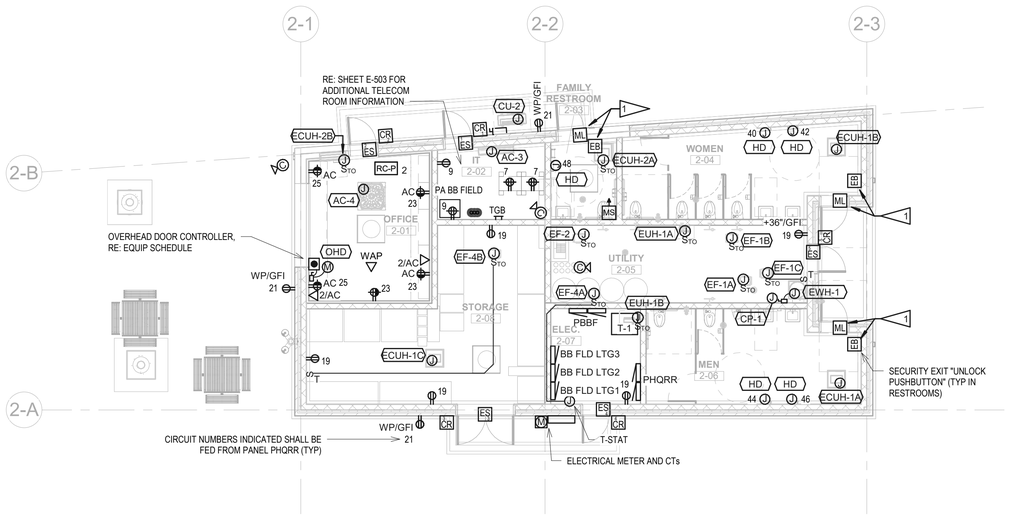
# ELECTRICAL NOTES

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL GENERAL NOTES, AND LIGHTING CONTROL NOTES.

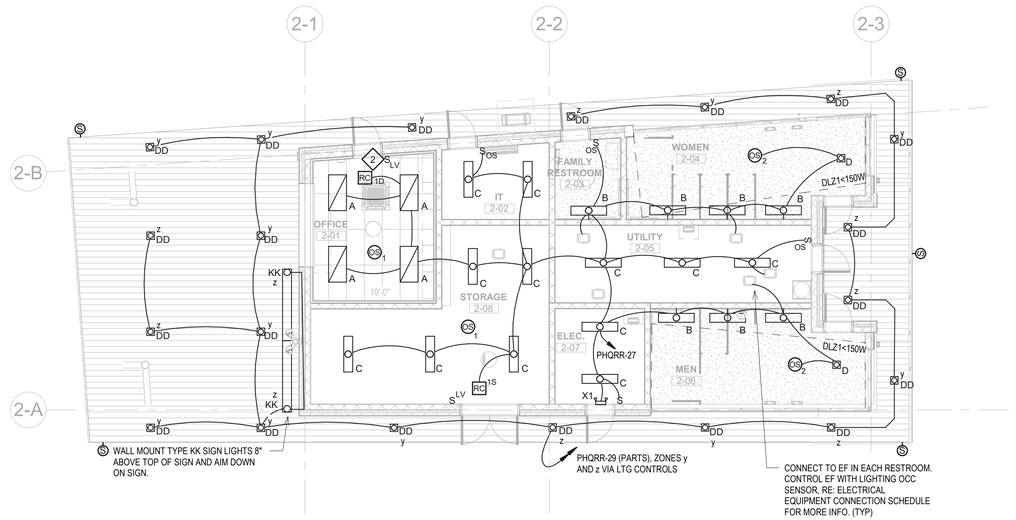
# FLAG NOTES

NOT ALL FLAG NOTES MAY BE USED ON EACH SHEET.

1. PROVIDE DOOR LOCKS INTEGRATED WITH PARK SECURITY SYSTEM. RESTROOM DOORS SHALL BE CONTROLLED VIA PROGRAMMABLE TIME OF DAY LOCK/UNLOCK SECURITRON DT-7 DIGITAL TIMER. THE UTILITY, STORAGE, I.T., ELECTRICAL, (AND OFFICE) ROOM DOORS SHALL BE CONTROLLED VIA ADJACENT CARD READER/KEYPAD. REFER TO DRAWING SHEET E-000 FOR MORE INFORMATION REGARDING SECURITY SYSTEM REQUIREMENTS.
2. PROVIDE POWER TO BACKLIT SIGNAGE SPECIFIED BY ARCHITECT. COORDINATE WITH SIGN MANUFACTURER ON POWER CONNECTION LOCATIONS AND QUANTITIES. REFER TO ARCHITECTURAL PLANS FOR ELEVATIONS AND FOR MORE INFORMATION ON SIGNAGE.
3. LOCATE, AIM, AND FOCUS LUMINAIRES TO HIGHLIGHT LETTER SIGNAGE AND PLACARDS.
4. FLUSH WITH GRADE BOX WITH SPARE CONDUITS FROM ELECTRICAL PANELS IN BUILDING TO BE UTILIZED FOR FUTURE PARK BUILD-OUT. REFER TO SITE ELECTRICAL PLAN FOR MORE INFORMATION ON SIZING AND LOCATION(S).




1 HEADQUARTERS & RESTROOM BUILDING POWER PLAN
1/8" = 1'-0"




2 HEADQUARTERS & RESTROOM BUILDING LIGHTING PLAN
E-111B 1/8" = 1'-0"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|---|---|
| Project Number: | 223072.00 |
| Sheet Issue Date: | 2024-11-22 |
| Drawn By: | HFR |
| Checked By: | AEI |

Key Map

Drawing

HEADQUARTERS AND RESTROOM ELECTRICAL PLANS

# E-111B

SITE PLAN SUBMITTAL


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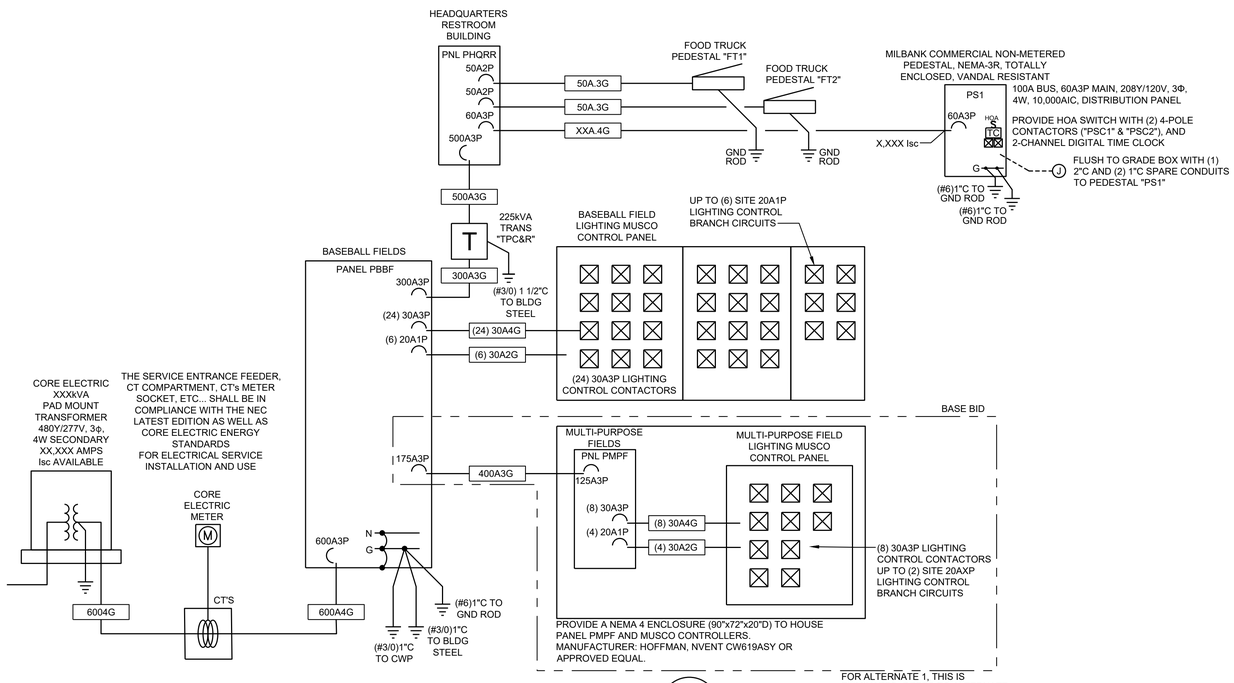
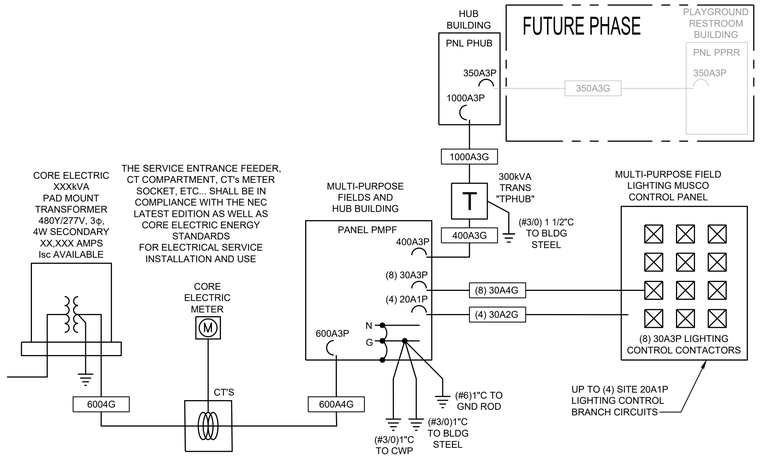
11/20/2024 2:28:22 PM




## BALLFIELD ELECTRICAL ONE-LINE DIAGRAM

1 / E-500

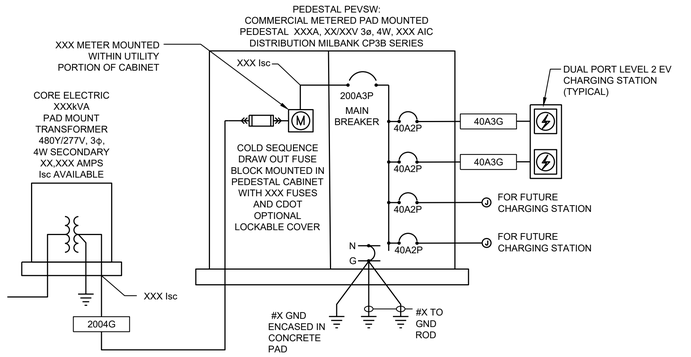
SCALE: NTS




## ALTERNATE 1: HUB BUILDING ELECTRICAL ONE-LINE DIAGRAM

2 / E-500

SCALE: NTS

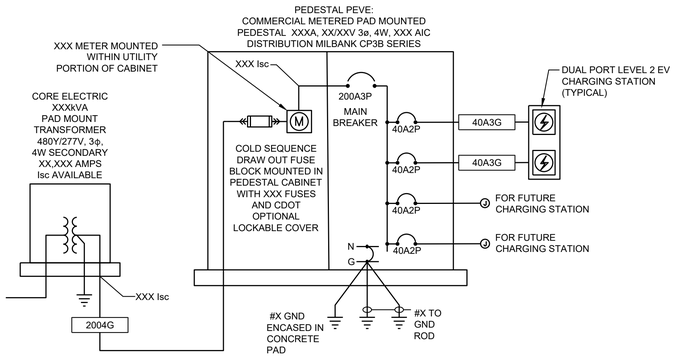



## MULTI-PURPOSE EV ELECTRICAL ONE-LINE DIAGRAM

3 / E-500

SCALE: NTS

SITE SOUTHWEST




## BALLFIELD EV ELECTRICAL ONE-LINE DIAGRAM

4 / E-500

SCALE: NTS

SITE EAST

## FEEDER SCHEDULE

ALL WIRE SHALL BE COPPER UNLESS NOTED OTHERWISE

| Feeder Key | # of Runs | Wire Size | Ground | Conduit | Notes |
|---|---|---|---|---|---|
| 20A.3G | 1 Set | 3#12 | +1#12G | 3/4"C | 1 |
| 20A.4G | 1 Set | 4#12 | +1#12G | 3/4"C | 1 |
| 30A.3G | 1 Set | 3#10 | +1#10G | 3/4"C | 1 |
| 30A.4G | 1 Set | 4#10 | +1#10G | 3/4"C | 1 |
| 40A.3G | 1 Set | 3#8 | +1#8G | 3/4"C | 1 |
| 40A.4G | 1 Set | 4#8 | +1#8G | 3/4"C | 1 |
| 50A.3G | 1 Set | 3#6 | +1#8G | 1"C | |
| 50A.4G | 1 Set | 4#6 | +1#8G | 1"C | |
| 60A.3G | 1 Set | 3#4 | +1#8G | 1 1/4"C | |
| 60A.4G | 1 Set | 4#4 | +1#8G | 1 1/4"C | |
| 70A.3G | 1 Set | 3#4 | +1#8G | 1 1/4"C | |
| 70A.4G | 1 Set | 4#4 | +1#8G | 1 1/4"C | |
| 80A.3G | 1 Set | 3#3 | +1#8G | 1 1/4"C | |
| 80A.4G | 1 Set | 4#3 | +1#8G | 1 1/4"C | |
| 100A.3G | 1 Set | 3#1 | +1#8G | 1 1/2"C | |
| 100A.4G | 1 Set | 4#1 | +1#8G | 1 1/2"C | |
| 125A.3G | 1 Set | 3#1 | +1#6G | 1 1/2"C | |
| 125A.4G | 1 Set | 4#1 | +1#6G | 1 1/2"C | |
| 150A.3G | 1 Set | 3#1/0 | +1#6G | 2"C | |
| 150A.4G | 1 Set | 4#1/0 | +1#6G | 2"C | |
| 175A.3G | 1 Set | 3#2/0 | +1#6G | 2"C | |
| 175A.4G | 1 Set | 4#2/0 | +1#6G | 2"C | |
| 200A.3G | 1 Set | 3#3/0 | +1#6G | 2 1/2"C | |
| 200A.4G | 1 Set | 4#3/0 | +1#6G | 2 1/2"C | |
| 225A.3G | 1 Set | 3#4/0 | +1#4G | 2 1/2"C | |
| 225A.4G | 1 Set | 4#4/0 | +1#4G | 2 1/2"C | |
| 250A.3G | 1 Set | 3-250kcmil | +1#4G | 2 1/2"C | |
| 250A.4G | 1 Set | 4-250kcmil | +1#4G | 2 1/2"C | |
| 300A.3G | 1 Set | 3-350kcmil | +1#4G | 3"C | |
| 300A.4G | 1 Set | 4-350kcmil | +1#4G | 3"C | |
| 350A.3G | 1 Set | 3-500kcmil | +1#3G | 3 1/2"C | |
| 350A.4G | 1 Set | 4-500kcmil | +1#3G | 3 1/2"C | |
| 400A.3G | 2 Sets | 3#3/0 | +1#3G | 2 1/2"C | |
| 400A.4G | 2 Sets | 4#3/0 | +1#3G | 2 1/2"C | |
| 500A.3G | 2 Sets | 3-250kcmil | +1#2G | 2 1/2"C | |
| 500A.4G | 2 Sets | 4-250kcmil | +1#2G | 2 1/2"C | |
| 600A.3G | 2 Sets | 3-350kcmil | +1#1G | 3"C | |
| 600A.4G | 2 Sets | 4-350kcmil | +1#1G | 3"C | |
| 800A.3G | 3 Sets | 3-300kcmil | +1#1/0G | 3"C | |
| 800A.4G | 3 Sets | 4-300kcmil | +1#1/0G | 3"C | |
| 1000A.4G | 4 Sets | 4-250kcmil | +1#2/0G | 2 1/2"C | |
| 1200A.4G | 4 Sets | 4-350kcmil | +1#3/0G | 3"C | |

Refer to Electrical Equipment Connection Schedule for Mechanical and Bldg Equipment Feeder Ratings <

NOTES:

1 Minimum 1" Conduit for all underground installations

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Project Number: 223072.00

Sheet Issue Date: 2024-11-22

Drawn By: AEI

Checked By: HFR

Key Map

Drawing

ELECTRICAL ONE-LINE DIAGRAMS

E-500

SITE PLAN SUBMITTAL



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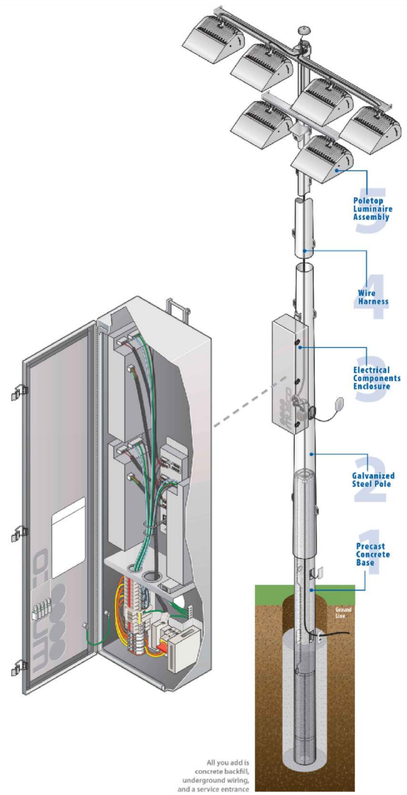
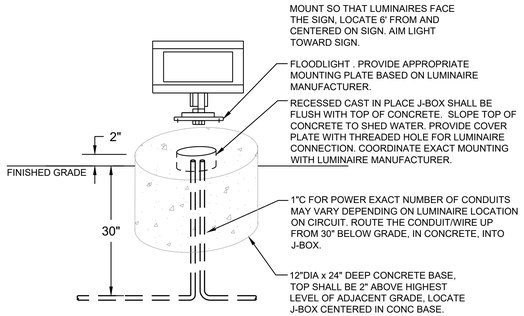
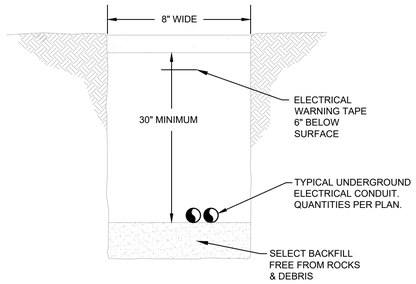



## SIGN LIGHT MOUNTING DETAIL

SCALE: N/A

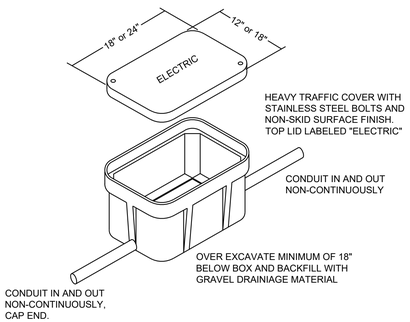
4 / E-501




## TYPICAL CONDUIT TRENCH DETAIL

SCALE: NTS

1 / E-501

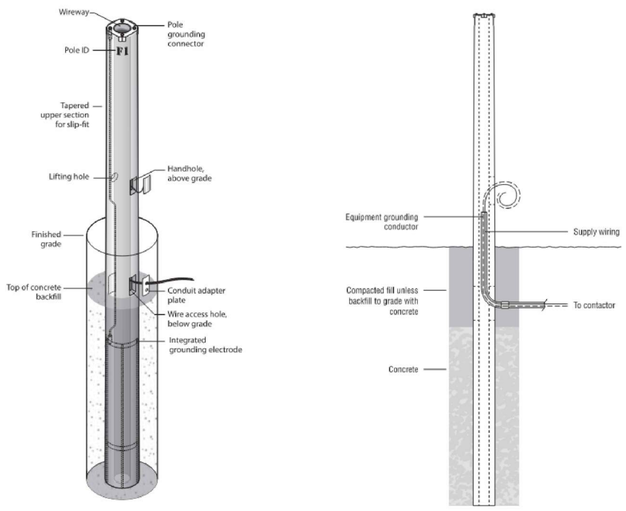



## TYPICAL FLUSH WITH GRADE PULL BOX DETAIL

SCALE: NTS

TYPICAL POWER FEEDER PULLBOX (18"x24"x36"DEEP) QUAZITE PG STYLE SERVICE BOX WITH HEAVY DUTY BOLT ON COVER AS MANUFACTURED BY STRONGWELL. STACK MULTIPLE BOXES TO ACHIEVE THE OVERALL INDICATED DEPTH.

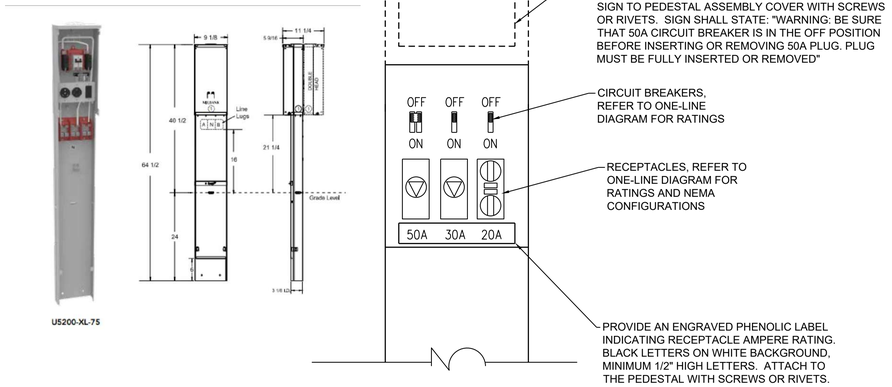
2 / E-501




## MUSCO POLE INSTALLATION INFORMATION

SCALE: NONE

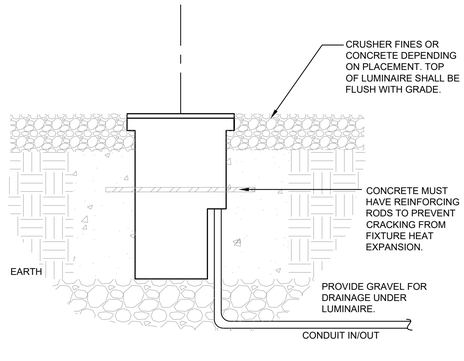
6 / E-501




## TYPICAL FOOD TRUCK POWER PEDESTAL CONFIGURATION DETAIL

SCALE: NTS

5 / E-201




## FLAG POLE UPLIGHT MOUNTING DETAIL

SCALE: NONE

3 / E-501

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| Drawn By: | AEI |
| Checked By: | HFR |

Key Map

Drawing

ELECTRICAL DETAILS

E-501

SITE PLAN SUBMITTAL
Page 298 of 311

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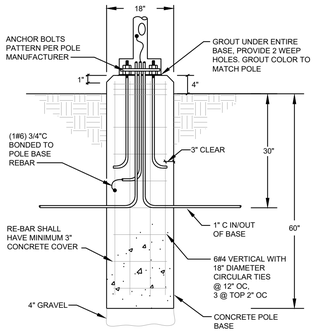
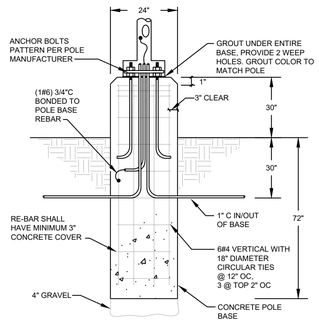



## PEDESTRIAN LIGHT POLE BASE

SCALE: NONE

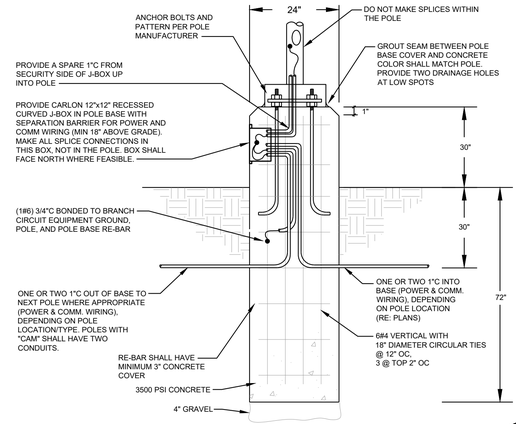
7 / E-502




## PARKING LOT POLE BASE DETAIL - NO JBOX

SCALE: NONE

4 / E-502

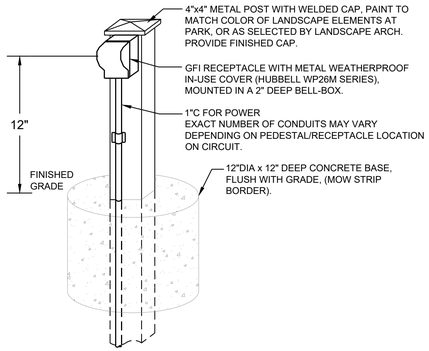



## PARKING LOT POLE BASE DETAIL - CARLON JBOX

SCALE: NONE

FOR LUMINAIRE POLE BASES WHERE CAMERAS ARE TO BE MOUNTED ON LIGHT POLES.

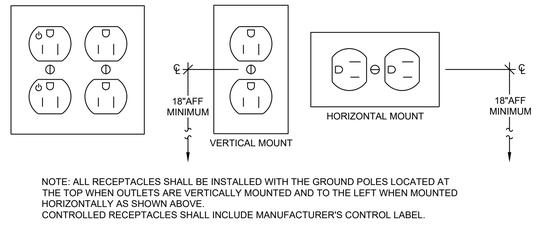
1 / E-502




## POST MOUNT RECEPTACLE DETAIL

SCALE: NONE

8 / E-502

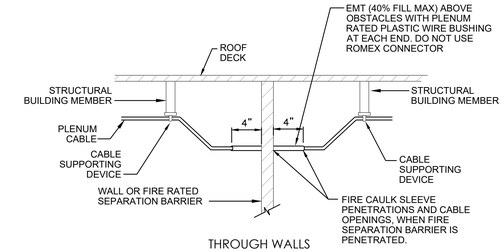



NOTE: ALL RECEPTACLES SHALL BE INSTALLED WITH THE GROUND POLES LOCATED AT THE TOP WHEN OUTLETS ARE VERTICALLY MOUNTED AND TO THE LEFT WHEN MOUNTED HORIZONTALLY AS SHOWN ABOVE.
CONTROLLED RECEPTACLES SHALL INCLUDE MANUFACTURER'S CONTROL LABEL.

## RECEPTACLE INSTALLATION DETAIL

SCALE: NONE

5 / E-502

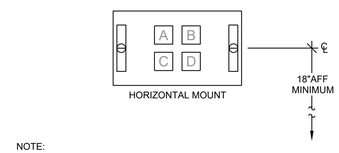



THROUGH WALLS

## PLENUM RATED CABLE INSTALLATION DETAIL

SCALE: NONE

2 / E-502

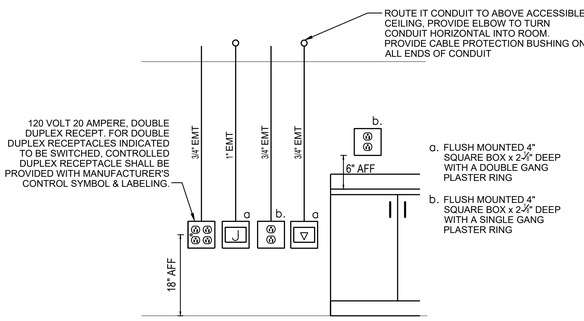



NOTE:
BACK BOXES FOR TELE-DATA FACEPLATE LOCATIONS SHALL BE INSTALLED IN HORIZONTAL ORIENTATION.

## TYPICAL I.T. FACEPLATE INSTALLATION DETAIL ( TOWN OF PARKER I.T. DESIGN STANDARD)

SCALE: NONE

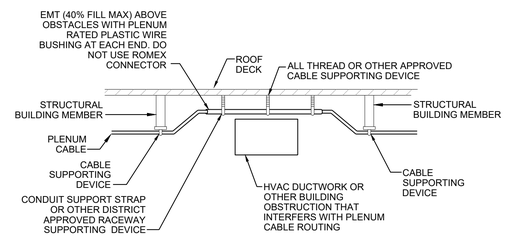
9 / E-502




## TYPICAL DEVICE ROUGH-IN INSTALLATION DETAIL

SCALE: NONE

6 / E-502




OVER OBSTACLES

## PLENUM PLENUM RATED CABLE INSTALLATION DETAIL

SCALE: NONE

3 / E-502

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MECHANICAL ENGINEER
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p. 303.688.0223

Town of Parker
SALISBURY PARK
NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

| | DATE | DESCRIPTION |
|---|---|---|

| | |
|---|---|
| Project Number: | 223072.00 |
| Sheet Issue Date: | 2024-11-22 |
| Drawn By: | AEI |
| Checked By: | HFR |

Key Map

Drawing

ELECTRICAL DETAILS

E-502

SITE PLAN SUBMITTAL
Page 299 of 311

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CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

THE LINE SHOWN ABOVE IS 1" WHEN PRINTED ON ANSI D SIZED SHEETS ORIGINAL PAGE SIZE

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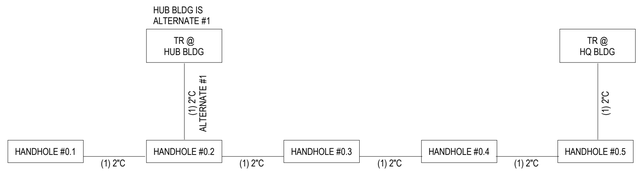
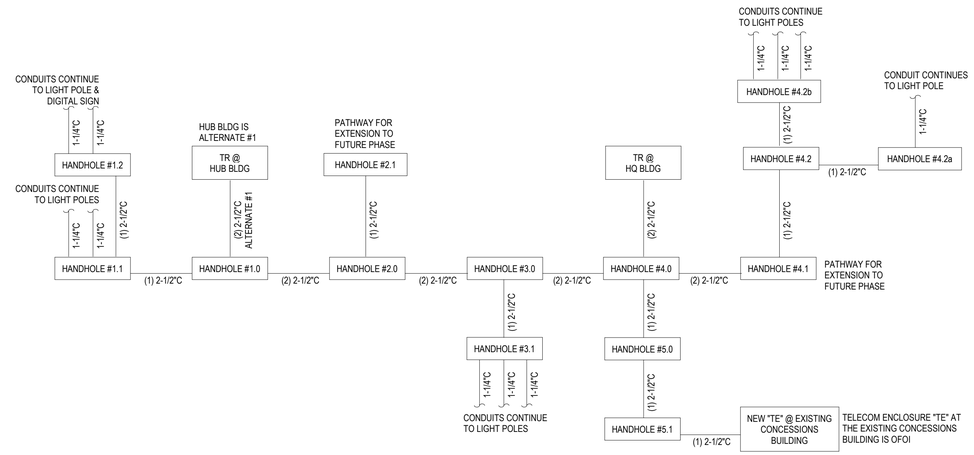



1 OSP PATHWAY DIAGRAM - COMCAST UC SERVICE ENTRANCE
N.T.S.




2 OSP PATHWAY DIAGRAM - TOP UC PATHWAYS PHASE 1
N.T.S.

## Backbone Cable Distribution Schedule

| Location A | Location B | Service Entrance Cable | MM Fiber OM4 | Notes |
|---|---|---|---|---|
| HANDHOLE 0.1 | TR @ HQ BLDG (MDF) | Service Entrance Cables by COMCAST | | 1,2 |
| TR @ HQ BLDG (MDF) | TR @ HUB Building | | 12-strand, rated for installation in underground duct | 3 |
| TR @ HQ BLDG (MDF) | TE @ Existing Concession Bldg | | 12-strand, rated for installation in underground duct | 3 |
| TR @ HQ BLDG (MDF) | TR @ Sport Courts Building (FUTURE-PHASE 2) | | 12-strand, rated for installation in underground duct | 3 |
| TR @ HQ BLDG (MDF) | TR @ Playground Building (FUTURE-PHASE 4) | | 12-strand, rated for installation in underground duct | 3 |
| | | | | |

Notes:
• Refer to Town of Parker Information Technology Department Infrastructure Design Standards for addition information.

1. Comcast to provide service entrance cables using Town of Parker (TOP) provided underground OSP pathways.<
2. TOP to provide 2"C and handholes for use by Comcast . <
3. Multimode OM4 fiber shall be terminated with LC type connectors at both locations. <

## Telecom Handhole Schedule

| HANDHOLE I.D. | BASIS OF DESIGN | DESCRIPTION | NOTES |
|---|---|---|---|
| COMCAST #0.1 #0.2 #0.3 #0.4 #0.5 | QUAZITE PG STYLE | POLYMER CONCRETE ASSEMBLY, 24" X 36" X 24" DEEP, TIER 22 RATED BOX: PG2436BA24, TIER 22 RATED COVER WITH BOLTS: PG2436HH00** | 1 |
| COMMUNICATIONS #1.0 #4.0 | QUAZITE PG STYLE | POLYMER CONCRETE ASSEMBLY, 24" X 36" X 24" DEEP, TIER 22 RATED BOX: PG2436BA24, TIER 15 RATED SPLIT COVER: PG2436HS0012 | 2 |
| COMMUNICATIONS #1.1 #2.0 #3.0 #4.1 | QUAZITE PG STYLE | POLYMER CONCRETE ASSEMBLY, 17" X 30" X 24" DEEP, TIER 22 RATED. BOX: PG1730BA24, COVER: PG1730HH0012 | 2 |
| COMMUNICATIONS #1.2 #2.1 #3.1 #4.2 #4.2a #4.2b #5.0 #5.1 | QUAZITE PG STYLE | POLYMER CONCRETE ASSEMBLY, 13" X 24" X 24" DEEP, TIER 22 RATED. BOX: PG1324BA24, COVER: PG1324HH0012 | 2 |

Notes:
• Refer to Town of Parker Information Technology Department Infrastructure Design Standards for addition information. <
• Communications conduits shall turn up into bottom of handhole(s) with conduit openings located 6" above grade located at bottom of box at box interior. <
• Underground Communication (UC) conduits that are routed below concrete slab(s) into telecom room(s) shall be PVC coated GRC. <
• Install 400# rated pull lines in all OSP Communications and Security conduits. Pull lines shall have factory applied length markings. <
• Provide COPPER TRACER WIRE for all underground Comcast and Communications pathways. <
1. The polymer concrete handhole covers for the Telco UC Service Entrance pathway shall be factory labeled "COMCAST" **<
2. The polymer concrete handhole covers for the T.O.P. UC telecommunications pathways shall be factory labeled "COMMUNICATIONS" <

## TELECOM ROOM GENERAL NOTES

• WALLS SHALL BE COVERED WITH 3/4" THICK, 4' WIDE x 8' HIGH AC-GRADE PLYWOOD BACKBOARDS ON ALL WALLS, UNLESS NOTED OTHERWISE. PLYWOOD SHALL BE MOUNTED WITH A-SIDE OUT. BACKBOARDS SHALL NOT BE PAINTED.

• 12" WIDE X 4" TALL BASKET STYLE CABLE TRAY SHALL BE INSTALLED ALONG ROOM PERIMETER WALLS AND ABOVE THE LINEUP OF EQUIPMENT RACK(S). CABLE TRAY SHALL BE LOCATED 6" ABOVE TOP OF RACKS, TYPICAL.

• PROVIDE RADIUS DROPOUT DEVICES TO ROUTE CABLING INTO EQUIPMENT RACK VERTICAL WIRE MANAGERS.

• POWER RECEPTACLE OUTLETS FOR EQUIPMENT RACKS SHALL BE MOUNTED TO THE OUTSIDE OF THE CABLE TRAY, OR ON A UNISTRUT FRAME ABOVE THE RACKS, SITUATED SO AS NOT TO INTERFERE WITH CABLE TRAY OR ROUTING OF CABLING.

• CONTRACTOR SHALL INSTALL TELECOMMUNICATIONS GROUNDING BUSBARS IN EACH TELECOM ROOM, WITH BONDING CONDUCTORS TO SERVING ELECTRICAL PANEL AND BUILDING STEEL. RE: TIA-607-D.

• PROVIDE AT LEAST ONE 208V/30A CIRCUIT FOR TR EQUIPMENT RACKS.

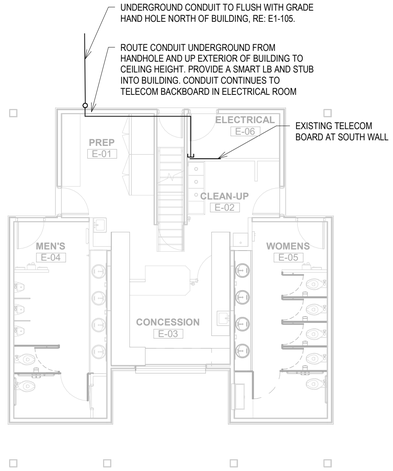
• PROVIDE AT LEAST ON SECURITY CAMERA IN EACH TR.

• TOWN OF PARKER STANDARD IS SUPERIOR ESSEX CATEGORY 6 UTP CABLING, TERMINATED IN ORTRONICS CLARITY-6 PATCH PANELS.

• PROVIDE ORTRONICS MIGHTY-MO 2-POST RACKS WITH 6.4 INCH CHANNEL DEPTH, AND 6" VERTICAL WIRE MANAGERS INSTALLED ON BOTH SIDES OF RACK.

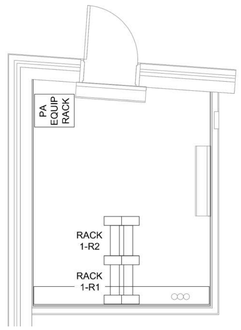
• ALL FACEPLATES FOR TELECOMMUNICATIONS SHALL BE MOUNTED HORIZONTALLY AND TRIMMED WITH 4-PORT FACEPLATES.

• REFER TO DOCUMENT "TOWN OF PARKER INFORMATION TECHNOLOGY DEPARTMENT INFRASTRUCTURE DESIGN STANDARDS" FOR ADDITIONAL INFORMATION.

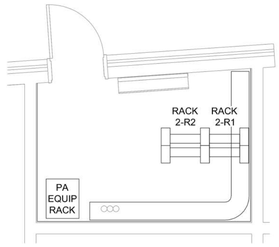



5 EXISTING CONCESSIONS BUILDING ELECTRICAL PLAN
1/8" = 1'-0"

EXISTING TELECOM BOARD IN EXISTING CONCESSIONS BLDG




4 TR103 @ HUB BUILDING (ALT. 1)
1/4" = 1'-0"




3 TR202 @ HQ BUILDING (MDF)
1" = 4'-0"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| Δ | DATE | DESCRIPTION |
|---|---|---|
| | | |

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: CH
Checked By: AEI

Key Map

Drawing
TELECOMMUNICATION SPACES & CONNECTIVITY

E-503

SITE PLAN SUBMITTAL



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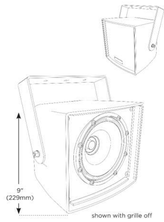
**COMMUNITY**

# W2-218

Speaker Special Events (Typical)
N.T.S.

**COMMUNITY R Series**

# R.15COAX




Speaker PA (Typical)
N.T.S.

## SOUND SYSTEM EQUIPMENT SCHEDULE - COMMUNITY HUB BUILDING

| DEVICE | MANUFACTURER | MODEL NO. | NOTES |
|---|---|---|---|
| FLOOR STANDING EQUIPMENT RACK, WITH:<br>• LOCKING FRONT AND REAR DOORS, VENTED<br>• LOCKING REMOVABLE SIDE PANELS<br>• TOP PANEL W/(4) 4.5" COOLING FANS<br>• CASTER BASE | MIDDLE ATLANTIC | MRK-2426, WITH VENTED FRONT DOOR LVFD-24, VENTED REAR DOOR MW-VLRD-24, SIDE PANELS SPN-24-267, TOP PANEL MW-4FT, CASTER BASE CBS-MRK-26 | |
| 3 RU UTILITY DRAWER | MIDDLE ATLANTIC | UD3 | |
| 3 RU RACK MOUNT VENTED SHELF | MIDDLE ATLANTIC | U3V | |
| BLUETOOTH RECEIVER, RACK MOUNT | DENON | DN-300BR | |
| WIRELESS MIC SYSTEM -<br>WITH HANDHELD MICROPHONE | SHURE | SLXD24 / SM58, WITH SBC203 CHARGER, SB900A RECHARGABLE BATTERIES | |
| WIRELESS REMOTE RECEIVE ANTENNA | RF VENUE | DFINB | |
| DIGITAL SIGNAL PROCESSOR, DANTE | BIAMP | TESIRAFORTE DAN AI | |
| 4-CHANNEL AMPLIFIER, DANTE | COMMUNITY | ALC-1604D | |
| ROOM CONNECTION DEVICE WITH DANTE | BIAMP | TESIRAFORTE TC-5D | |
| LOUDSPEAKER - 70V | COMMUNITY | R.15COAX | QUAN (7) |
| LOUDSPEAKER - 70V | COMMUNITY | W2-218 | QUAN (3) |
| POWER SEQUENCER, 120V/20A | FURMAN | CN-2400S, WITH RS-1 REMOTE SWITCH | |
| 16/2 AWG LOUDSPEAKER WIRE | ANY SUITABLE MANUFACTURER | | |
| 22 AWG SHIELDED SIGNAL CABLE | PRO CO, OR EQUIVALENT | | |
| WIRELESS CONTROL: CONTROL SOFTWARE | BIAMP | BIAMP CANVAS | |
| WIRELESS CONTROL: WAP | LINKSYS | LAPAC1300C | |
| WIRELESS CONTROL: TABLET | SAMSUNG 10.4" | | |
| | | | |

## SOUND SYSTEM EQUIPMENT SCHEDULE - HEADQUARTERS BUILDING

| DEVICE | MANUFACTURER | MODEL NO. | NOTES |
|---|---|---|---|
| FLOOR STANDING EQUIPMENT RACK, WITH:<br>• LOCKING FRONT AND REAR DOORS, VENTED<br>• LOCKING REMOVABLE SIDE PANELS<br>• TOP PANEL W/(4) 4.5" COOLING FANS<br>• CASTER BASE | MIDDLE ATLANTIC | MRK-2426, WITH VENTED FRONT DOOR LVFD-24, VENTED REAR DOOR MW-VLRD-24, SIDE PANELS SPN-24-267, TOP PANEL MW-4FT, CASTER BASE CBS-MRK-26 | |
| 3 RU UTILITY DRAWER | MIDDLE ATLANTIC | UD3 | |
| 3 RU RACK MOUNT VENTED SHELF | MIDDLE ATLANTIC | U3V | |
| BLUETOOTH RECEIVER, RACK MOUNT | DENON | DN-300BR | |
| WIRELESS MIC SYSTEM -<br>WITH HANDHELD MICROPHONE | SHURE | SLXD24 / SM58, WITH SBC203 CHARGER, SB900A RECHARGABLE BATTERIES | |
| WIRELESS REMOTE RECEIVE ANTENNA | RF VENUE | DFINB | |
| DIGITAL SIGNAL PROCESSOR, DANTE | BIAMP | TESIRAFORTE DAN AI | |
| 4-CHANNEL AMPLIFIER, DANTE | COMMUNITY | ALC-1604D | |
| ROOM CONNECTION DEVICE WITH DANTE | BIAMP | TESIRAFORTE TC-5D | |
| LOUDSPEAKER - 70V | COMMUNITY | R.15COAX | QUAN (5) |
| POWER SEQUENCER, 120V/20A | FURMAN | CN-2400S, WITH RS-1 REMOTE SWITCH | |
| 16/2 AWG LOUDSPEAKER WIRE | ANY SUITABLE MANUFACTURER | | |
| 22 AWG SHIELDED SIGNAL CABLE | PRO CO, OR EQUIVALENT | | |
| WIRELESS CONTROL: CONTROL SOFTWARE | BIAMP | BIAMP CANVAS | |
| WIRELESS CONTROL: WAP | LINKSYS | LAPAC1300C | |
| WIRELESS CONTROL: TABLET | SAMSUNG 10.4" | | |
| | | | |

NOTES:

INFORMATION PROVIDED IS PROGRAMMATIC AND MAY NOT INCLUDE ALL ANCILLARY EQUIPMENT. CONTRACTOR SHALL PROVIDE ALL APPURTENANCES, INTERCONNECTS, AND COMPONENTS NECESSARY FOR A FULLY OPERATIONAL SYSTEM READY FOR THE OWNERS USE. POWER, MOUNTING, CABLE MANAGEMENT, AND OTHER MISCELLANEOUS COMPONENTS REQUIRED FOR A FULLY FUNCTIONING SYSTEM ARE ASSUMED AND SHALL BE PROVIDED BY THE CONTRACTOR.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| Project Number: | 223072.00 |
| Sheet Issue Date: | 2024-11-22 |
| Drawn By: | CH |
| Checked By: | HFR |

Key Map

Drawing

SOUND SYSTEMS

E-504




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# Parker Salisbury Park Luminaire Schedule

| Key | Wattage, LED Color | Delivered Lumens | Driver & Dimming | Description | Finish | Mount | Specification: Manufacturer | Specification: Catalog Number | Specification: Volt | Max Input Wattage | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 28W LED 4000K 80 CRI | 3450 | 0-10V 1% DIM | RECESSED 2x4 LED FLAT PANEL, BACK-LIT SMOOTH DIFFUSE OPAL LENS, INTEGRAL DRIVER | STANDARD WHITE | RECESSED <2" DEEP | COLUMBIA METALUX LITHONIA | CBT24-A-LSCS-EDD | 120 | 30 | |
| B | 36W LED 4000K 80 CRI | 1200 PER FOOT | 0-10V 1% DIM | WALL MOUNTED LED LUMINAIRE, 3"W x 4'L, HIGH IMPACT FROST DR ACRYLIC LENS, INTEGRAL DRIVER | STANDARD BY ARCH | WALL ABOVE VANITY RE: ARCH ELEV | KENALL FAILSAFE OR EQUAL | MLHA3-48-F-XX-FA-1200LF-40K8-DIM1-DV- | 120 | 36 | |
| C | 34W LED 4000K 80 CRI | 4250 | 0-10V NON-DIM | ENCLOSED AND GASKETED 4' LONG VAPOR-TIGHT, RIBBED FROSTED ACRYLIC LENS, STAINLESS STEEL CLIPS, INTEGRAL DRIVER | STANDARD WHITE | SURFACE / PENDANT RE: DWGS | COLUMBIA METALUX LITHONIA | LXEM4-40LW-RFA--ED-U | 120 | 35 | |
| D | 19W 4000K 80 CRI | 1520 | 0-10V 1% DIM | RECESSED 4" DIA VANDAL DOWNLIGHT, REGRESSED LEDs, HIGH ABUSE RATED, FLUSH LENS, INTEGRAL DRIVER | CLEAR DIFFUSE REFL WHITE TRIM | RECESSED 6" DEEP | LUMINAIRE LED OR APPR EQ | VRDL4-GB-MIN1-ZT-1500LM-MD-40K-80CRI-MVOLT-CPL-AMF | 120 | 20 | |
| X1 | LEDs INCLUDED | N/A | N/A | EMERGENCY BATTERY LUMINAIRE, TWO ADJUSTABLE HEADS, NICAD BATTERY, INTEGRAL TEST SWITCH | WHITE | WALL ABOVE DOOR | COMPASS SURELITES LITHONIA | CU2 | 120 | N/A | |
| AA2 | 114W LED 4000K 70 CRI | 16600 | 0-10V T.B.D. | **PARKER STANDARD: PARKING LOT POLE** LUMINAIRE, SINGLE HEAD, FULL CUT-OFF B3-U0-G3, TYPE 2 DIST, 20' TALL STRAIGHT ROUND POLE | BLACK | 20' POLE ON 2'-6" CONC BASE | GARDCO LYTEPOLE | P26-64L-600-NW-G2-AR-2-UNV-BK 401-4011-20-20'-AB-D1-TBK-CO | UNV | 120 | |
| AA3 | 114W LED 4000K 70 CRI | 16060 | 0-10V T.B.D. | **PARKER STANDARD: SAME AS TYPE AA2,** EXCEPT TYPE 3 DIST | BLACK | 20' POLE ON 2'-6" CONC BASE | GARDCO LYTEPOLE | P26-64L-600-NW-G2-AR-3-UNV-BK 401-4011-20-20'-AB-D1-TBK-CO | UNV | 120 | |
| AA4 | 114W LED 4000K 70 CRI | 16670 | 0-10V T.B.D. | **PARKER STANDARD: SAME AS TYPE AA2,** EXCEPT TYPE 4 DIST | BLACK | 20' POLE ON 2'-6" CONC BASE | GARDCO LYTEPOLE | P26-64L-600-NW-G2-AR-4-UNV-BK 401-4011-20-20'-AB-D1-TBK-CO | UNV | 120 | |
| AA3-4 | 114W LED 4000K 70 CRI PER HEAD | 16060 & 16670 | 0-10V T.B.D. | **PARKER STANDARD: SAME AS TYPE AA** SERIES, EXCEPT DOUBLE HEAD POLE LUMINAIRE (180 DEG MTG), ONE TYPE 3 AND ONE TYPE TYPE 4 DIST | BLACK | 20' POLE ON 2'-6" CONC BASE | GARDCO LYTEPOLE | P26-64L-600-NW-G2-AR-(1) 3 & (1) 4 DIST-UNV-BK 401-4011-20-20'-AB-D2@180-TBK-CO | UNV | 240 TOTAL | |
| BB2 | 35W LED 4000K 70 CRI | 3740 | 0-10V T.B.D. | **PARKER STANDARD: POST TOP PEDESTRIAN** LUMINAIRE, DECORATIVE HEAD, FULL CUT-OFF, B1-U0-G1, 12' TALL ROUND ST POLE | BLACK | 12' RND ST POLE ON CONC BASE | AAL | PROV2-36L-295-4K7-2-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS | UNV | 35 | |
| BB2R | 35W LED 4000K 70 CRI | 3740 | 0-10V T.B.D. | **PARKER STANDARD: SAME AS TYPE BB2,** EXCEPT PROVIDE GFI RECEPTACLE WITH METAL WEATHERPROOF IN-USE COVER 10" DOWN FROM TOP OF POLE | BLACK | 12' RND ST POLE ON CONC BASE | AAL | PROV2-36L-295-4K7-2-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS RECEPT IN POLE @ 11'-2"AFG | UNV | 35 | |
| BB3 | 35W LED 4000K 70 CRI | 3600 | 0-10V T.B.D. | **PARKER STANDARD: SAME AS TYPE BB2,** EXCEPT TYPE 3 DIST | BLACK | 12' RND ST POLE ON CONC BASE | AAL | PROV2-36L-295-4K7-3-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS | UNV | 35 | |
| BB3R | 35W LED 4000K 70 CRI | 3600 | 0-10V T.B.D. | **PARKER STANDARD: SAME AS TYPE BB3** EXCEPT PROVIDE GFI RECEPTACLE WITH METAL WEATHERPROOF IN-USE COVER 12" DOWN FROM TOP OF POLE | BLACK | 12' RND ST POLE ON CONC BASE | AAL | PROV2-36L-295-4K7-3-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS RECEPT IN POLE @ 11'-2"AFG | UNV | 35 | |
| BB4 | 35W LED 4000K 70 CRI | 2640 | 0-10V T.B.D. | **PARKER STANDARD: SAME AS TYPE BB2,** EXCEPT TYPE 4 DIST | BLACK | 12' RND ST POLE ON CONC BASE | AAL | PROV2-36L-295-4K7-4-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS | UNV | 35 | |
| BB5 | 35W LED 4000K 70 CRI | 3670 | 0-10V T.B.D. | **PARKER STANDARD: SAME AS TYPE BB2,** EXCEPT TYPE 5W DIST | BLACK | 12' RND ST POLE ON CONC BASE | AAL | PROV2-36L-295-4K7-5W-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS | UNV | 35 | |
| BB5R | 35W LED 4000K 70 CRI | 3670 | 0-10V T.B.D. | **PARKER STANDARD: SAME AS TYPE BB5** EXCEPT PROVIDE GFI RECEPTACLE WITH METAL WEATHERPROOF IN-USE COVER 12" DOWN FROM TOP OF POLE | BLACK | 12' RND ST POLE ON CONC BASE | AAL | PROV2-36L-295-4K7-5W-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS RECEPT IN POLE @ 11'-2"AFG | UNV | 35 | |
| BB5RS | 35W LED 4000K 70 CRI | 3670 | 0-10V T.B.D. | **PARKER STANDARD: SAME AS TYPE BB5R,** EXCEPT SHORTER POLE, RECEPTACLE AT 10" BELOW TOP OF POLE (INSTALLED IN RAISED PLANTER) | BLACK | 10.5' RND ST POLE ON CONC BASE | AAL | PROV2-36L-295-4K7-5W-BLS-STND-MNT-UNV POLE: PR4-4R10.5-226-BLS RECEPT IN POLE @ 9'-8" | UNV | 35 | |
| CC | 74W LED 4000K 70 CRI | 10400 | 0-10V NON-DIM | SPORT POLE MOUNTED LED AREA LIGHT, FULL CUT-OFF CAST ALUM HSNG, TYPE 3 DIST, MATCH TYPE AA# LUMINAIRE HEAD | BY ARCH | ARM TO SPORT POLE +20' AFG | GARDCO | P26-48L-500-NW-G2-AR-3-UNV ARM MOUNT TO SPORT POLE | UNV | 75 | |
| DD | 19W LED 4000K 80 CRI | 1520 | 0-10V 1% DIM | RECESSED 4" DIA VANDAL DOWNLIGHT, REGRESSED LEDs, HIGH ABUSE RATED, FLUSH LENS, INTEGRAL DRIVER, DAMP LOC | CLEAR DIFFUSE BLACK TRIM | RECESSED 6" DEEP | LUMINAIRE LED OR APPR EQ | VRDL4-GB-MIN1-ZT-1500LM-MD-40K-80CRI-MVOLT-CPL-BLK | 120 | 20 | |
| EE | 35W LED 4000K 80 CRI | 3600 | 0-10V T.B.D. | SURFACE MOUNTED ADJUSTABLE EXT LUMINAIRE HEAD, FULL ADJUSTABILITY INTEGRAL DRIVER, FLOOD DIST | BY ARCH | SURFACE SIDE MOUNT TO BEAM | BK LTG OR EQUAL | HU LED TR SERIES | 120 | 40 | |
| EE1 | 35W LED 4000K 80 CRI | 3200-3600 | 0-10V T.B.D. | SAME AS TYPE EE, EXCEPT SPOT DIST | BY ARCH | SURFACE SIDE MOUNT TO BEAM | BK LTG OR EQUAL | HU LED TR SERIES | 120 | 40 | |
| FF | 22W LED 4000K 80 CRI | 23000 | 0-10V 1% DIM BLUETOOTH | INGRADE FLAG POLE UPLIGHT, FLAT LENS, SPOT DIST, STAINLESS STEEL TRIM BLUETOOTH CNTRL, REBAR CAGE, 10" DIA | STAINLESS STEEL | RECESSED FLUSH WITH GRADE | KIM OR APROVE EQ | LTV82-SS-SP-18L-4K-UV-SR-RCA82 | UNV | 20 | |
| HH | 16W LED 4000K 70 CRI | 2000 | NON-DIM | GROUND MOUNTED SIGN LIGHT, WIDE-NARROW DIST, CAST ALUM HOUSING, | BRONZE | ON FLUSH WITH GRADE CONC | KIM HYDREL | LSP-LSCS | UNV | 25 | |
| KK | 48W LED 4000K 70 CRI | 4000 | NON-DIM | WALL MOUNTED 8' LINEAR SIGN LIGHT, CAST ALUM HSNG, 12" ARMS, REMOTE DRIVER WET LOCATION, AIM DOWNWARD | BLACK | WALL, ARM ABOVE SIGNAGE | COLE LTG KIM OR APROVE EQ | SL-8-ARM/STR (12")-WP | UNV | 25 PER 4' | 1 |

Not all parts and pieces may be identified in the catalog number. It shall be the Contractor's and Supplier/Manufacturer's responsibility to ensure all necessary parts, pieces, and hardware are provided with the luminaire for a complete installation.

Notes:
1. Remote driver above accessible ceiling or within plenum of space behind wall. Provide label on driver "Sign Lighting Driver".

Name: **PMPF - Multi Purpose - Base Bid** Volt: **480/277** Ph: **3** Wire: **4** | Mnt: **Surface** Method: Bus Rating: **600** Main Breaker: **600** AIC Rating: **10,000**

| | Code | Description | Load | Bkr | P | Ph A | Ph B | Ph C | P | Bkr | Load | Description | Code | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | VA | | | | | | | | VA | | | |
| 1 | 1 | Ltg S1W Field | 7200 | 20 | 3 | * | | | 3 | 20 | 7200 | Ltg S1E Field | 1 | 2 |
| 3 | | ----- | | / | | | * | | | / | | ----- | | 4 |
| 5 | | ----- | | / | | | | * | | / | | ----- | | 6 |
| 7 | 1 | Ltg S2 Field | 7200 | 20 | 3 | * | | | 3 | 20 | 7200 | Ltg S4E Field | 1 | 8 |
| 9 | | ----- | | / | | | * | | | / | | ----- | | 10 |
| 11 | | ----- | | / | | | | * | | / | | ----- | | 12 |
| 13 | 1 | Ltg S3 Field | 7200 | 20 | 3 | * | | | 3 | 20 | 7200 | Ltg S5 Field | 1 | 14 |
| 15 | | ----- | | / | | | * | | | / | | ----- | | 16 |
| 17 | | ----- | | / | | | | * | | / | | ----- | | 18 |
| 19 | 1 | Ltg S4W Field | 7200 | 20 | 3 | * | | | 3 | 20 | 7200 | Ltg S6 Field | 1 | 20 |
| 21 | | ----- | | / | | | * | | | / | | ----- | | 22 |
| 23 | | ----- | | / | | | | * | | / | | ----- | | 24 |
| 25 | | SPARE | | 20 | 1 | * | | | 1 | 20 | | SPARE | | 26 |
| 27 | | SPARE | | 20 | 1 | | * | | 1 | 20 | | SPARE | | 28 |
| 29 | | SPARE | | 20 | 1 | | | * | 1 | 20 | | SPARE | | 30 |
| 31 | 1 | West Drv Ltg-Sec/Cam | 920 | 20 | 3 | * | | | 1 | 20 | | SPARE | | 32 |
| 33 | 1 | SW Prkg Ltg-Sec/Cam | 920 | / | | | * | | 1 | 20 | | SPARE | | 34 |
| 35 | 1 | Ltg Pedestrian-Sec | 360 | / | | | | * | 1 | 20 | | SPARE | | 36 |
| 37 | 1 | West Drive Ltg-Gen | 600 | 20 | 3 | * | | | | - | | Space Only | | 38 |
| 39 | 1 | SW Parking Ltg-Gen | 360 | / | | | * | | | - | | Space Only | | 40 |
| 41 | 1 | Ltg Pedestrian-Gen | 360 | / | | | | * | | - | | Space Only | | 42 |

| Code | Description | Load VA | Dem |
|---|---|---|---|
| 1 | Lighting | **61120** | 125% |
| 2 | Rec up to 10,000 | | 100% |
| | Rec over 10,000 | | 50% |
| 3 | Motor | | 100% |
| | Largest Motor | | 125% |
| 4 | Heater | | 100% |
| 5 | Kitchen | | 100% |
| 6 | Miscellaneous | | 100% |
| 7 | Sub Panel | | 100% |

Load Summary

| | | |
|---|---|---|
| Per | Phase | |
| Ph A | **19707** | VA |
| Ph B | **19707** | VA |
| Ph C | **19707** | VA |
| Connected | | **61120** VA |
| Code | Demand | **76400** VA |
| Code | Demand | **92.00** Amps |

Name: **PMPF - Multi Purpose - Alternate 1** Volt: **480/277** Ph: **3** Wire: **4** | Mnt: **Surface** Method: Bus Rating: **600** Main Breaker: **600** AIC Rating: **10,000**

| | Code | Description | Load | Bkr | P | Ph A | Ph B | Ph C | P | Bkr | Load | Description | Code | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | VA | | | | | | | | VA | | | |
| 1 | 1 | Ltg S1W Field | 7020 | 20 | 3 | * | | | 3 | 20 | 7020 | Ltg S1E Field | 1 | 2 |
| 3 | | ----- | | / | | | * | | | / | | ----- | | 4 |
| 5 | | ----- | | / | | | | * | | / | | ----- | | 6 |
| 7 | 1 | Ltg S2 Field | 7020 | 20 | 3 | * | | | 3 | 20 | 7020 | Ltg S4E Field | 1 | 8 |
| 9 | | ----- | | / | | | * | | | / | | ----- | | 10 |
| 11 | | ----- | | / | | | | * | | / | | ----- | | 12 |
| 13 | 1 | Ltg S3 Field | 7020 | 20 | 3 | * | | | 3 | 20 | 7020 | Ltg S5 Field | 1 | 14 |
| 15 | | ----- | | / | | | * | | | / | | ----- | | 16 |
| 17 | | ----- | | / | | | | * | | / | | ----- | | 18 |
| 19 | 1 | Ltg S4W Field | 7020 | 20 | 3 | * | | | 3 | 20 | 7020 | Ltg S6 Field | 1 | 20 |
| 21 | | ----- | | / | | | * | | | / | | ----- | | 22 |
| 23 | | ----- | | / | | | | * | | / | | ----- | | 24 |
| 25 | 1 | Ltg Basketball/Fitness | 3240 | 20 | 3 | * | | | 3 | 20 | 1080 | Ltg Basketball North | 1 | 26 |
| 27 | | (Future Phase) | | / | | | * | | | / | | (Future Phase) | | 28 |
| 29 | | (2 zones) | | / | | | | * | | / | | (1 zone) | | 30 |
| 31 | 1 | Ltg W Drive-Sec/Cam | 920 | 20 | 3 | * | | | 3 | 20 | 6000 | EWH-1 (Alt No 1) | 4 | 32 |
| 33 | 1 | Ltg SW Prkg-Sec/Cam | 920 | / | | | * | | | / | | ----- | | 34 |
| 35 | 1 | Ltg Pedestrian-Sec | 360 | / | | | | * | | / | | ----- | | 36 |
| 37 | 1 | Ltg W Drive-Gen | 600 | 20 | 3 | * | | | 1 | 20 | | SPARE | | 38 |
| 39 | 1 | Ltg SW Prkg-Gen | 360 | / | | | * | | 1 | 20 | | SPARE | | 40 |
| 41 | 1 | Ltg Pedestrian-Gen | 360 | / | | | | * | 1 | 20 | | SPARE | | 42 |
| 43 | | SPARE | | 20 | 1 | * | | | 1 | 20 | | SPARE | | 44 |
| 45 | | SPARE | | 20 | 1 | | * | | 1 | 20 | | SPARE | | 46 |
| 47 | | SPARE | | 20 | 1 | | | * | 1 | 20 | | SPARE | | 48 |
| 49 | | SPARE | | 20 | 1 | * | | | 1 | 20 | | SPARE | | 50 |
| 51 | | SPARE | | 20 | 1 | | * | | 1 | 20 | | SPARE | | 52 |
| 53 | | SPARE | | 20 | 1 | | | * | 1 | 20 | | SPARE | | 54 |
| 55 | | Space Only | | - | | * | | | | - | | Space Only | | 56 |
| 57 | | Space Only | | - | | | * | | | - | | Space Only | | 58 |
| 59 | | Space Only | | - | | | | * | | - | | Space Only | | 60 |
| 61 | | Space Only | | - | | * | | | | - | | Space Only | | 62 |
| 63 | | Space Only | | - | | | * | | | - | | Space Only | | 64 |
| 65 | | Space Only | | - | | | | * | | - | | Space Only | | 66 |
| 67 | | Space Only | | - | | * | | | | - | | Space Only | | 68 |
| 69 | | Space Only | | - | | | * | | | - | | Space Only | | 70 |
| 71 | | Space Only | | - | | | | * | | - | | Space Only | | 72 |
| 73 | | Space Only | | - | | * | | | | - | | Space Only | | 74 |
| 75 | | Space Only | | - | | | * | | | - | | Space Only | | 76 |
| 77 | | Space Only | | - | | | | * | | - | | Space Only | | 78 |
| 79 | | Space Only | | - | * | | | | 3 | 400 | 250000 | Panel PHUB Bldg | 7 | 80 |
| 81 | | Space Only | | - | | * | | | | / | | via Trans TPHUB | | 82 |
| 83 | | Space Only | | - | | | * | | | / | | (Alternate No 1) | | 84 |

| Code | Description | Load VA | Dem |
|---|---|---|---|
| 1 | Lighting | **64000** | 125% |
| 2 | Rec up to 10,000 | | 100% |
| | Rec over 10,000 | | 50% |
| 3 | Motor | | 100% |
| | Largest Motor | | 125% |
| 4 | Heater | **6000** | 100% |
| 5 | Kitchen | | 100% |
| 6 | Miscellaneous | | 100% |
| 7 | Sub Panel | **250000** | 100% |

Load Summary

| | | |
|---|---|---|
| Per | Phase | |
| Ph A | **106000** | VA |
| Ph B | **106000** | VA |
| Ph C | **106000** | VA |
| Connected | | **320000** VA |
| Code | Demand | **336000** VA |
| Code | Demand | **404.62** Amps |

Name: **PBBF - Baseball - Base Bid** Volt: **480/277** Ph: **3** Wire: **4** | Mnt: **Surface** Method: Bus Rating: **600** Main Breaker: **600** AIC Rating: **22,000**

| | Code | Description | Load | Bkr | P | Ph A | Ph B | Ph C | P | Bkr | Load | Description | Code | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | VA | | | | | | | | VA | | | |
| 1 | 1 | Ltg A1 Field 1 | 5500 | 20 | 3 | * | | | 3 | 20 | 5500 | Ltg A2 Field 1 | 1 | 2 |
| 3 | | ----- | | / | | | * | | | / | | ----- | | 4 |
| 5 | | ----- | | / | | | | * | | / | | ----- | | 6 |
| 7 | 1 | Ltg B1 Field 1 | 7010 | 20 | 3 | * | | | 3 | 20 | 7010 | Ltg B2 Field 1 | 1 | 8 |
| 9 | | ----- | | / | | | * | | | / | | ----- | | 10 |
| 11 | | ----- | | / | | | | * | | / | | ----- | | 12 |
| 13 | 1 | Ltg C1 Field 1 | 5840 | 20 | 3 | * | | | 3 | 20 | 5840 | Ltg C2 Field 1 | 1 | 14 |
| 15 | | ----- | | / | | | * | | | / | | ----- | | 16 |
| 17 | | ----- | | / | | | | * | | / | | ----- | | 18 |
| 19 | 1 | Ltg A3 Field 2 | 5500 | 20 | 3 | * | | | 3 | 20 | 5500 | Ltg A4 Field 2 | 1 | 20 |
| 21 | | ----- | | / | | | * | | | / | | ----- | | 22 |
| 23 | | ----- | | / | | | | * | | / | | ----- | | 24 |
| 25 | 1 | Ltg B3 Field 2 | 8130 | 20 | 3 | * | | | 3 | 20 | 8130 | Ltg B4 Field 2 | 1 | 26 |
| 27 | | ----- | | / | | | * | | | / | | ----- | | 28 |
| 29 | | ----- | | / | | | | * | | / | | ----- | | 30 |
| 31 | 1 | Ltg C3 Field 2 | 7000 | 20 | 3 | * | | | 3 | 20 | 7000 | Ltg C4 Field 2 | 1 | 32 |
| 33 | | ----- | | / | | | * | | | / | | ----- | | 34 |
| 35 | | ----- | | / | | | | * | | / | | ----- | | 36 |
| 37 | 1 | Ltg A5 Field 3 | 5500 | 20 | 3 | * | | | 3 | 20 | 5500 | Ltg A6 Field 3 | 1 | 38 |
| 39 | | ----- | | / | | | * | | | / | | ----- | | 40 |
| 41 | | ----- | | / | | | | * | | / | | ----- | | 42 |
| 43 | 1 | Ltg B5 Field 3 | 8130 | 20 | 3 | * | | | 3 | 20 | 8130 | Ltg B6 Field 3 | 1 | 44 |
| 45 | | ----- | | / | | | * | | | / | | ----- | | 46 |
| 47 | | ----- | | / | | | | * | | / | | ----- | | 48 |
| 49 | 1 | Ltg C5 Field 3 | 7000 | 20 | 3 | * | | | 3 | 20 | 7000 | Ltg C6 Field 3 | 1 | 50 |
| 51 | | ----- | | / | | | * | | | / | | ----- | | 52 |
| 53 | | ----- | | / | | | | * | | / | | ----- | | 54 |
| 55 | 1 | Ltg A7 Field 4 | 4040 | 20 | 3 | * | | | 3 | 20 | 4040 | Ltg A8 Field 4 | 1 | 56 |
| 57 | | ----- | | / | | | * | | | / | | ----- | | 58 |
| 59 | | ----- | | / | | | | * | | / | | ----- | | 60 |
| 61 | 1 | Ltg B7 Field 4 | 4670 | 20 | 3 | * | | | 3 | 20 | 4670 | Ltg B8 Field 4 | 1 | 62 |
| 63 | | ----- | | / | | | * | | | / | | ----- | | 64 |
| 65 | | ----- | | / | | | | * | | / | | ----- | | 66 |
| 67 | 1 | Ltg C7 Field 4 | 4380 | 20 | 3 | * | | | 3 | 20 | 4380 | Ltg C8 Field 4 | 1 | 68 |
| 69 | | ----- | | / | | | * | | | / | | ----- | | 70 |
| 71 | | ----- | | / | | | | * | | / | | ----- | | 72 |
| 73 | | SPARE | | 20 | 1 | * | | | 3 | 20 | 6000 | EWH-1 | 4 | 74 |
| 75 | | SPARE | | 20 | 1 | | * | | | / | | | | 76 |
| 77 | | SPARE | | 20 | 1 | | | * | | / | | | | 78 |
| 79 | 3 | Panel PMPF | 76400 | 175 | 3 | * | | | 3 | 150 | 90380 | Panel PHQRR HQ Bldg | 7 | 80 |
| 81 | | (Base Bid, Eliminate as part of Alt 1) | | / | | | * | | | / | | ----- | | 82 |
| 83 | | | | / | | | | * | | / | | ----- | | 84 |
| 85 | 1 | Ltg NE Prkg-Sec/Cam | 1200 | 20 | 2 | * | | | 1 | 20 | | SPARE | | 86 |
| 87 | 1 | Ltg SE Drive-Sec/Cam | 1200 | / | | | * | | 1 | 20 | | SPARE | | 88 |
| 89 | 1 | Ltg N Ped-Sec | 1200 | 20 | 2 | | | * | 1 | 20 | | SPARE | | 90 |
| 91 | 1 | Ltg S Ped-Sec | 1200 | / | | * | | | 1 | 20 | | SPARE | | 92 |
| 93 | 1 | Ltg NE Prkg-Gen | 1200 | 20 | 2 | | * | | 1 | 20 | | SPARE | | 94 |
| 95 | 1 | Ltg SE Drive-Gen | 1200 | / | | | | * | 1 | 20 | | SPARE | | 96 |
| 97 | 1 | Ltg N Ped-Gen | 1200 | 20 | 2 | * | | | - | - | | Space Only | | 98 |
| 99 | 1 | Ltg S Ped-Gen | 1200 | / | | | * | | - | - | | Space Only | | 100 |
| 101 | | SPARE | | 20 | 1 | | | * | - | - | | Space Only | | 102 |
| 103 | | SPARE | | 20 | 1 | * | | | - | - | | Space Only | | 104 |
| 105 | | SPARE | | 20 | 1 | | * | | - | - | | Space Only | | 106 |
| 107 | | SPARE | | 20 | 1 | | | * | - | - | | Space Only | | 108 |
| 109 | | Space Only | | - | | * | | | - | - | | Space Only | | 110 |
| 111 | | Space Only | | - | | | * | | - | - | | Space Only | | 112 |
| 113 | | Space Only | | - | | | | * | - | - | | Space Only | | 114 |
| 115 | | Space Only | | - | * | | | | - | - | | Space Only | | 116 |
| 117 | | Space Only | | - | | * | | | - | - | | Space Only | | 118 |
| 119 | | Space Only | | - | | | * | | - | - | | Space Only | | 120 |
| 121 | | Space Only | | - | * | | | | - | - | | Space Only | | 122 |
| 123 | | Space Only | | - | | * | | | - | - | | Space Only | | 124 |
| 125 | | Space Only | | - | | | * | | - | - | | Space Only | | 126 |

| Code | Description | Load VA | Dem |
|---|---|---|---|
| 1 | Lighting | **155000** | 125% |
| 2 | Rec up to 10,000 | | 100% |
| | Rec over 10,000 | | 50% |
| 3 | Motor | | 100% |
| | Largest Motor | **76400** | 125% |
| 4 | Heater | **6000** | 100% |
| 5 | Kitchen | | 100% |
| 6 | Miscellaneous | | 100% |
| 7 | Sub Panel | **90380** | 100% |

Load Summary

| | | |
|---|---|---|
| Per | Phase | |
| Ph A | **107860** | VA |
| Ph B | **107860** | VA |
| Ph C | **107260** | VA |
| Connected | | **327780.25** VA |
| Code | Demand | **385630** VA |
| Code | Demand | **464.39** Amps |

Name: **PS1** Volt: **208/120** Ph: **3** Wire: **4** | Mnt: **Pedestal (NEMA 3R)** Method: Bus Rating: **100** Main Breaker: **60** AIC Rating:

| | Code | Description | Load | Bkr | P | Ph A | Ph B | Ph C | P | Bkr | Load | Description | Code | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | VA | | | | | | | | VA | | | |
| 1 | 1 | Ltg West Entry Sign | 200 | 20 | 1 | * | | | 1 | 20 | 1000 | Rec West Entry | 2 | 2 |
| 3 | 1 | Pwr NW Entry Sign | 400 | 20 | 1 | | * | | 1 | 20 | 1000 | Rec West Entry | 2 | 4 |
| 5 | 2 | Irrigation Cntrl / Rec | 500 | 20 | 1 | | | * | 1 | 20 | 1000 | Rec NW Entry | 2 | 6 |
| 7 | | Spare | | 20 | 1 | * | | | 1 | 20 | 1000 | Rec NW Entry | 2 | 8 |
| 9 | | Spare | | 20 | 1 | | * | | - | - | | Space | | 10 |
| 11 | | Spare | | 20 | 1 | | | * | - | - | | Space | | 12 |
| 13 | | Spare | | 20 | 1 | * | | | - | - | | Space | | 14 |
| 15 | | Spare | | 20 | 1 | | * | | - | - | | Space | | 16 |
| 17 | | Spare | | 20 | 1 | | | * | 1 | 20 | 200 | Time Clock Control | 6 | 18 |

| Code | Description | Load VA | Dem |
|---|---|---|---|
| 1 | Lighting | **600** | 125% |
| 2 | Rec up to 10,000 | **4500** | 100% |
| | Rec over 10,000 | | 50% |
| 3 | Motor | | 100% |
| | Largest Motor | | 125% |
| 4 | Heater | | 100% |
| 5 | Kitchen | | 100% |
| 6 | Miscellaneous | **200** | 100% |
| 7 | Sub Panel | | 100% |

Load Summary

| | | |
|---|---|---|
| Per | Phase | |
| Ph A | **2200** | VA |
| Ph B | **1400** | VA |
| Ph C | **1700** | VA |
| Connected | | **5300** VA |
| Code | Demand | **5450** VA |
| Code | Demand | **15.15** Amps |


**hord | coplan | macht**
LANDSCAPE ARCHITECT / ARCHITECT
1800 Wazee Street, Suite 450
Denver, CO 80202
p.303.607.0977

**CIVIL ENGINEER / STRUCTURAL ENGINEER**
**JVA Incorporated**
1675 Larimer Street, #550
Denver, CO 80202
p. 303.444.1951

**ELECTRICAL ENGINEER**
**Ackerman Engineering, Inc.**
3000 Youngfield Street, #264
Wheat Ridge, CO 80215
p. 303.278.7297

**IRRIGATION**
**Avocet Irrigation**
11757 W. Ken Caryl Ave., Suite F-509
Littleton, CO 80127
p. 303.986.2175

**MECHANICAL ENGINEER**
**ENVISION Mechanical Engineers, Inc.**
3777 Pyramid Court, #260
Englewood, CO 80112
p. 303.665.0223

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN


Town of Parker
SALISBURY PARK
NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134

| Δ | DATE | DESCRIPTION |
|---|---|---|

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: HFR
Checked By: AEI

Key Map

Drawing
ELECTRICAL SCHEDULES

E-600

SITE PLAN SUBMITTAL


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11/20/2024 2:28:26 PM

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ALL ORIGINAL SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LETTER, IF PRINTED CORRECTLY

K Y M C

## Salisbury Multi-Purpose Field Lighting Electrical Connection & Control Schedule

| | Description | Electrical Load | Volt | Ph | Branch Circuit | Feeder & Conduit | Control Contactor | Rating | Zone | Notes | Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S1 (Z1) | Zone 1 (Multipurpose Field 1 NE)<br>(6) TLC-LED Luminaires | 7200 VA<br>8.7 Amps | 480 | 3 | Pnl PMPF-1,3,5<br>20A3P | (3#8+1#10G)<br>Shared 1 1/4"C | M1 | 30A3P | 1 | 1,2 | Base Bid |
| S2 | Zone 1 (Multipurpose Field 1 NW)<br>(6) TLC-LED Luminaires | 7200 VA<br>8.7 Amps | 480 | 3 | Pnl PMPF-7,9,11<br>20A3P | (3#8+1#10G)<br>1 1/4"C | M2 | 30A3P | 1 | 1,2 | Base Bid |
| S3 | Zone 1 (Multipurpose Field 1 SW)<br>(6) TLC-LED Luminaires | 7200 VA<br>8.7 Amps | 480 | 3 | Pnl PMPF-13,15,17<br>20A3P | (3#8+1#10G)<br>1 1/4"C | M3 | 30A3P | 1 | 1,2 | Base Bid |
| S4 (Z1) | Zone 1 (Multipurpose Field 1 SE)<br>(6) TLC-LED Luminaires | 7200 VA<br>8.7 Amps | 480 | 3 | Pnl PMPF-19,21,23<br>20A3P | (3#8+1#10G)<br>Shared 1 1/4"C | M4 | 30A3P | 1 | 1,2 | Base Bid |
| S1 (Z2) | Zone 2 (Multipurpose Field 2 NW)<br>(6) TLC-LED Luminaires | 7200 VA<br>8.7 Amps | 480 | 3 | Pnl PMPF-2,4,6<br>20A3P | (3#8+1#10G)<br>Shared 1 1/4"C | M5 | 30A3P | 2 | 1,2 | Base Bid |
| S5 | Zone 2 (Multipurpose Field 1 NE)<br>(6) TLC-LED Luminaires | 7200 VA<br>8.7 Amps | 480 | 3 | Pnl PMPF-14,16,18<br>20A3P | (3#8+1#10G)<br>1 1/4"C | M6 | 30A3P | 2 | 1,2 | Base Bid |
| S6 | Zone 2 (Multipurpose Field 1 SE)<br>(6) TLC-LED Luminaires | 7200 VA<br>8.7 Amps | 480 | 3 | Pnl PMPF-20,22,24<br>20A3P | (3#8+1#10G)<br>1 1/4"C | M7 | 30A3P | 2 | 1,2 | Base Bid |
| S4 (Z2) | Zone 2 (Multipurpose Field 2 SW)<br>(6) TLC-LED Luminaires | 7200 VA<br>8.7 Amps | 480 | 3 | Pnl PMPF-8,10,12<br>20A3P | (3#8+1#10G)<br>Shared 1 1/4"C | M8 | 30A3P | 2 | 1,2 | Base Bid |
| | Site Lighting Security<br>(Select Parking lot and pedestrian poles) | XXX VA<br>XXX Amps | 277 | 1 | 20AXP<br>PMPF-X,X,X | (X#10+#10G)<br>1"C | M9 | 20AXP | 3 | | Base Bid |
| | Site Lighting General<br>(Select Parking lot and pedestrian poles) | XXX VA<br>XXX Amps | 277 | 1 | 20AXP<br>PMPF-X,X,X | (X#10+#10G)<br>1"C | M10 | 20AXP | 4 | | Base Bid |
| | Pedestrian Light Pole Receptacles<br>(for holiday lighting) | XXX VA<br>XXX Amps | 120 | 1 | 20AXP<br>PHUB-X,X,X | (X#8+#8G)<br>1"C | M11 | 20AXP | 5 | | Base Bid |
| | Building Mounted Lighting Security<br>(Select bldg lts, zone z) | XXX VA<br>XXX Amps | 120 | 1 | 20AXP<br>PHUB-X (PART) | (X#12+#12G)<br>3/4"C | M12 | 20AXP | 3 | | Base Bid |
| | Building Mounted Lighting General<br>(Select bldg lts, zone y & w) | XXX VA<br>XXX Amps | 120 | 1 | 20AXP<br>PHUB-X (PART) | (X#12+#12G)<br>3/4"C | M13 | 20AXP | 4 | | Base Bid |
| BA1 | Zone 3 (Basketball Court N)<br>(2) TLC-LED-550 Luminaires | 1100 VA<br>1.3 Amps | 480 | 3 | 20A3P | T.B.D.<br>1 1/4"C | M14 | 30A3P | TBD | 1,2,3 | Future (TBD) |
| BA2 (Z4) | Zone 4 (Basketball Court SW)<br>(3) TLC-LED-550 Luminaires | 1650 VA<br>2.0 Amps | 480 | 3 | Share with BA2 | T.B.D.<br>1 1/4"C | M15 | 30A3P | TBD | 1,2,3 | Future (TBD) |
| BA2 (Z5) | Zone 5 (Fitness Court SW)<br>(3) TLC-LED-550 Luminaires | 1650 VA<br>2.0 Amps | 480 | 3 | Share with BA2 | T.B.D.<br>1 1/4"C | M16 | 30A3P | TBD | 1,2,3 | Future (TBD) |
| | Shelter Lighting | | 120 | 1 | | | M17 | 20A1P | TBD | 3,4 | Future (TBD) |
| | Site Lighting Security<br>(Select Parking lot and pedestrian poles) | | 277 | 1 | | | M18 | | | 5 | Future (TBD) |
| | Site Lighting General<br>(Select Parking lot and pedestrian poles) | | 277 | 1 | | | M19 | | | 5 | Future (TBD) |
| | Pedestrian Light Pole Receptacles<br>(for holiday lighting) | | 120 | 1 | | | M20 | | | 5 | Future (TBD) |

Notes:

1. Remote Lighting Control System: The Lighting Control System shall control the lighting associated with each field or court independently. >
2. Route new lighting branch circuit feeders via new flush with grade pull box near panel and at each light pole. Route all new branch circuit feeders 30" below grade from panel to pull box, to Musco controller, to pull box at each field/court light pole, and to light pole. >
3. Provide as a placeholder. Provide contactor for future lighting zone. >
4. Branch circuit for shelter lighting and receptacles shall share conduit. >
5. Provide as a placeholder. Provide space in controller to accommodate future Contactors. >

COORDINATE EXACT REQUIREMENTS FOR ALL ELECTRICAL WORK ASSOCIATED WITH THE FIELD LIGHITNG AND CONTROL EQUIPMENT
WITH THE MANUFACTURERS' INSTALLATION REQUIREMENTS AND INSTALLING CONTRACTOR PRIOR TO ROUGH-IN.
REFER TO THE CIVIL AND LANDSCAPE ARCHITECUTURAL PLANS AND MANUFACTURER'S PHOTOMETRIC PLANS FOR ALL LIGHT POLE LOCATIONS

## Salisbury Baseball Field Lighting Electrical Connection & Control Schedule

| | Description | Electrical Load | Volt | Ph | Branch Circuit | Feeder & Conduit | Control Contactor | Rating | Zone | Notes | Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A1 | Baseball Field 1 Home Plate<br>TLC-LED Luminaires | 5500 VA<br>6.6 Amps | 480 | 3 | Pnl PBBF-1,3,5<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B1 | 30A3P | 1 | 1,2 | Base Bid |
| A1 | Baseball Field 1 Home Plate<br>(1) Type CC | VA<br>0.0 Amps | 277 | 1 | Pnl PBBF-X<br>20AXP | (2#X+#XG)<br>Share A1 Conduit | B# | 20A1P | 6 | 3 | Base Bid |
| A2 | Baseball Field 1 Home Plate<br>TLC-LED Luminaires | 5500 VA<br>6.6 Amps | 480 | 3 | Pnl PBBF-2,4,6<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B2 | 30A3P | 1 | 1,2 | Base Bid |
| A2 | Baseball Field 1 Home Plate<br>(1) Type CC | VA<br>0.0 Amps | 277 | 1 | Pnl PBBF-X<br>20AXP | (2#10+#10G)<br>Share A2 Conduit | B# | 20A1P | 6 | 3 | Base Bid |
| B1 | Baseball Field 1 3rd Base<br>TLC-LED Luminaires | 7010 VA<br>8.4 Amps | 480 | 3 | Pnl PBBF-7,9,11<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B3 | 30A3P | 1 | 1,2 | Base Bid |
| B2 | Baseball Field 1 1st Base<br>TLC-LED Luminaires | 7010 VA<br>8.4 Amps | 480 | 3 | Pnl PBBF-8,10,12<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B4 | 30A3P | 1 | 1,2 | Base Bid |
| C1 | Baseball Field 1 Left Field<br>TLC-LED Luminaires | 5840 VA<br>7.0 Amps | 480 | 3 | Pnl PBBF-13,15,17<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B5 | 30A3P | 1 | 1,2 | Base Bid |
| C2 | Baseball Field 1 Right Field<br>TLC-LED Luminaires | 5840 VA<br>7.0 Amps | 480 | 3 | Pnl PBBF-14,16,18<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B6 | 30A3P | 1 | 1,2 | Base Bid |
| A3 | Baseball Field 2 Home Plate<br>TLC-LED Luminaires | 5500 VA<br>6.6 Amps | 480 | 3 | Pnl PBBF-19,21,23<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B7 | 30A3P | 2 | 1,2 | Base Bid |
| A3 | Baseball Field 2 Home Plate<br>(1) Type CC | VA<br>0.0 Amps | 277 | 1 | Pnl PBBF-X<br>20AXP | (2#10+#10G)<br>Share A3 Conduit | B# | 20A1P | 6 | 3 | Base Bid |
| A4 | Baseball Field 2 Home Plate<br>TLC-LED Luminaires | 5500 VA<br>6.6 Amps | 480 | 3 | Pnl PBBF-20,22,24<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B8 | 30A3P | 2 | 1,2 | Base Bid |
| A4 | Baseball Field 2 Home Plate<br>(1) Type CC | VA<br>0.0 Amps | 277 | 1 | Pnl PBBF-X<br>20AXP | (2#10+#10G)<br>Share A4 Conduit | B# | 20A1P | 6 | 3 | Base Bid |
| B3 | Baseball Field 2 3rd Base<br>TLC-LED Luminaires | 8130 VA<br>9.8 Amps | 480 | 3 | Pnl PBBF-25,27,29<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B9 | 30A3P | 2 | 1,2 | Base Bid |
| B4 | Baseball Field 2 1st Base<br>TLC-LED Luminaires | 8130 VA<br>9.8 Amps | 480 | 3 | Pnl PBBF-26,28,30<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B10 | 30A3P | 2 | 1,2 | Base Bid |
| C3 | Baseball Field 2 Left Field<br>TLC-LED Luminaires | 7000 VA<br>8.4 Amps | 480 | 3 | Pnl PBBF-31,33,35<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B11 | 30A3P | 2 | 1,2 | Base Bid |
| C4 | Baseball Field 2 Right Field<br>TLC-LED Luminaires | 7000 VA<br>8.4 Amps | 480 | 3 | Pnl PBBF-32,34,36<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B12 | 30A3P | 2 | 1,2 | Base Bid |
| A5 | Baseball Field 3 Home Plate<br>TLC-LED Luminaires | 5500 VA<br>6.6 Amps | 480 | 3 | Pnl PBBF-37,39,41<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B13 | 30A3P | 3 | 1,2 | Base Bid |
| A5 | Baseball Field 3 Home Plate<br>(1) Type CC | VA<br>0.0 Amps | 277 | 1 | Pnl PBBF-X<br>20AXP | (2#10+#10G)<br>Share A5 Conduit | B# | 20A1P | 6 | 3 | Base Bid |
| A6 | Baseball Field 3 Home Plate<br>TLC-LED Luminaires | 5500 VA<br>6.6 Amps | 480 | 3 | Pnl PBBF-38,40,42<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B14 | 30A3P | 3 | 1,2 | Base Bid |
| A6 | Baseball Field 3 Home Plate<br>(1) Type CC | VA<br>0.0 Amps | 277 | 1 | Pnl PBBF-X<br>20AXP | (2#10+#10G)<br>Share A6 Conduit | B# | 20A1P | 6 | 3 | Base Bid |
| B5 | Baseball Field 3 3rd Base<br>TLC-LED Luminaires | 8130 VA<br>9.8 Amps | 480 | 3 | Pnl PBBF-43,45,47<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B15 | 30A3P | 3 | 1,2 | Base Bid |
| B6 | Baseball Field 3 1st Base<br>TLC-LED Luminaires | 8130 VA<br>9.8 Amps | 480 | 3 | Pnl PBBF-44,46,48<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B16 | 30A3P | 3 | 1,2 | Base Bid |
| C5 | Baseball Field 3 Left Field<br>TLC-LED Luminaires | 7000 VA<br>8.4 Amps | 480 | 3 | Pnl PBBF-49,51,53<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B17 | 30A3P | 3 | 1,2 | Base Bid |
| C6 | Baseball Field 3 Right Field<br>TLC-LED Luminaires | 7000 VA<br>8.4 Amps | 480 | 3 | Pnl PBBF-50,52,54<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B18 | 30A3P | 3 | 1,2 | Base Bid |
| A7 | Baseball Field 4 Home Plate<br>TLC-LED Luminaires | 4040 VA<br>4.9 Amps | 480 | 3 | Pnl PBBF-55,57,59<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B19 | 30A3P | 4 | 1,2 | Base Bid |
| A7 | Baseball Field 4 Home Plate<br>(1) Type CC | VA<br>0.0 Amps | 277 | 1 | Pnl PBBF-X<br>20AXP | (2#10+#10G)<br>Share A7 Conduit | B# | 20A1P | 6 | 3 | Base Bid |
| A8 | Baseball Field 4 Home Plate<br>TLC-LED Luminaires | 4040 VA<br>4.9 Amps | 480 | 3 | Pnl PBBF-56,58,60<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B20 | 30A3P | 4 | 1,2 | Base Bid |
| A8 | Baseball Field 4 Home Plate<br>(1) Type CC | VA<br>0.0 Amps | 277 | 1 | Pnl PBBF-X<br>20AXP | (2#10+#10G)<br>Share A8 Conduit | B# | 20A1P | 6 | 3 | Base Bid |
| B7 | Baseball Field 4 3rd Base<br>TLC-LED Luminaires | 4670 VA<br>5.6 Amps | 480 | 3 | Pnl PBBF-61,63,65<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B21 | 30A3P | 4 | 1,2 | Base Bid |
| B7 | Baseball Field 4 Left Field<br>(1) Type CC | VA<br>0.0 Amps | 277 | 1 | Pnl PBBF-X<br>20AXP | (2#10+#10G)<br>Share B7 Conduit | B# | 20A1P | 6 | 3 | Base Bid |
| B8 | Baseball Field 4 1st Base<br>TLC-LED Luminaires | 4670 VA<br>5.6 Amps | 480 | 3 | Pnl PBBF-62,64,66<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B22 | 30A3P | 4 | 1,2 | Base Bid |
| C7 | Baseball Field 4 Left Field<br>TLC-LED Luminaires | 4380 VA<br>5.3 Amps | 480 | 3 | Pnl PBBF-67,69,71<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B23 | 30A3P | 4 | 1,2 | Base Bid |
| C8 | Baseball Field 4 Right Field<br>TLC-LED Luminaires | 4380 VA<br>5.3 Amps | 480 | 3 | Pnl PBBF-68,70,72<br>20A3P | (3#8+1#10G)<br>1 1/4"C | B24 | 30A3P | 4 | 1,2 | Base Bid |
| | Site Lighting Security (Zone s)<br>(Select Parking lot and pedestrian poles) | XXX VA<br>XXX Amps | 208 | 1 | 20AXP<br>PBBF-X,X,X | (X#10+#10G)<br>1"C | B25 | 20AXP | 5 | | Base Bid |
| | Site Lighting General (Zone g)<br>(Select Parking lot and pedestrian poles) | XXX VA<br>XXX Amps | 208 | 1 | 20AXP<br>PBBF-X,X,X | (X#10+#10G)<br>1"C | B26 | 20AXP | 6 | | Base Bid |
| | Pedestrian Light Pole Receptacles<br>(for holiday lighting) | XXX VA<br>XXX Amps | 120 | 1 | 20AXP<br>PHQRR-X,X,X | (X#8+#8G)<br>1"C | B27 | 20AXP | 7 | | Base Bid |
| | Building Mounted Lighting Security<br>(Select bldg lts, zone z) | XXX VA<br>XXX Amps | 120 | 1 | 20AXP<br>PHQRR-X (PART) | (X#12+#12G)<br>3/4"C | B28 | 20AXP | 5 | | Base Bid |
| | Building Mounted Lighting General<br>(Select bldg lts, zone y & w) | XXX VA<br>XXX Amps | 120 | 1 | 20AXP<br>PHQRR-X (PART) | (X#12+#12G)<br>3/4"C | B29 | 20AXP | 6 | | Base Bid |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Notes:

1. Remote Lighting Control System: The Lighting Control System shall control the lighting associated with each ballfield independently. >
2. Route new field lighting branch circuit feeders via new flush with grade pull box near panel and at each light pole. Route all new branch circuit feeders 30" below grade from panel to pull box, to Musco controller, to pull box at each light pole, and to light pole. >
3. Mount Type CC luminaire on backside of sports light pole, 20' AFG. >

COORDINATE EXACT REQUIREMENTS FOR ALL ELECTRICAL WORK ASSOCIATED WITH THE COURT LIGHITNG AND CONTROL EQUIPMENT
WITH THE MANUFACTURERS' INSTALLATION REQUIREMENTS AND INSTALLING CONTRACTOR PRIOR TO ROUGH-IN.
REFER TO THE CIVIL AND LANDSCAPE ARCHITECUTURAL PLANS AND MANUFACTURER'S PHOTOMETRIC PLANS FOR ALL LIGHT POLE LOCATIONS


hord | coplan | macht
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IRRIGATION
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Littleton, CO 80127
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MECHANICAL ENGINEER
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9777 Pyramid Court, #260
Englewood, CO 80112
p. 303.688.0223


Town of Parker
SALISBURY PARK
NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

| Δ | DATE | DESCRIPTION |
|---|---|---|

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: HFR
Checked By: HFR

Key Map

Drawing
ELECTRICAL SCHEDULES

E-601

SITE PLAN SUBMITTAL


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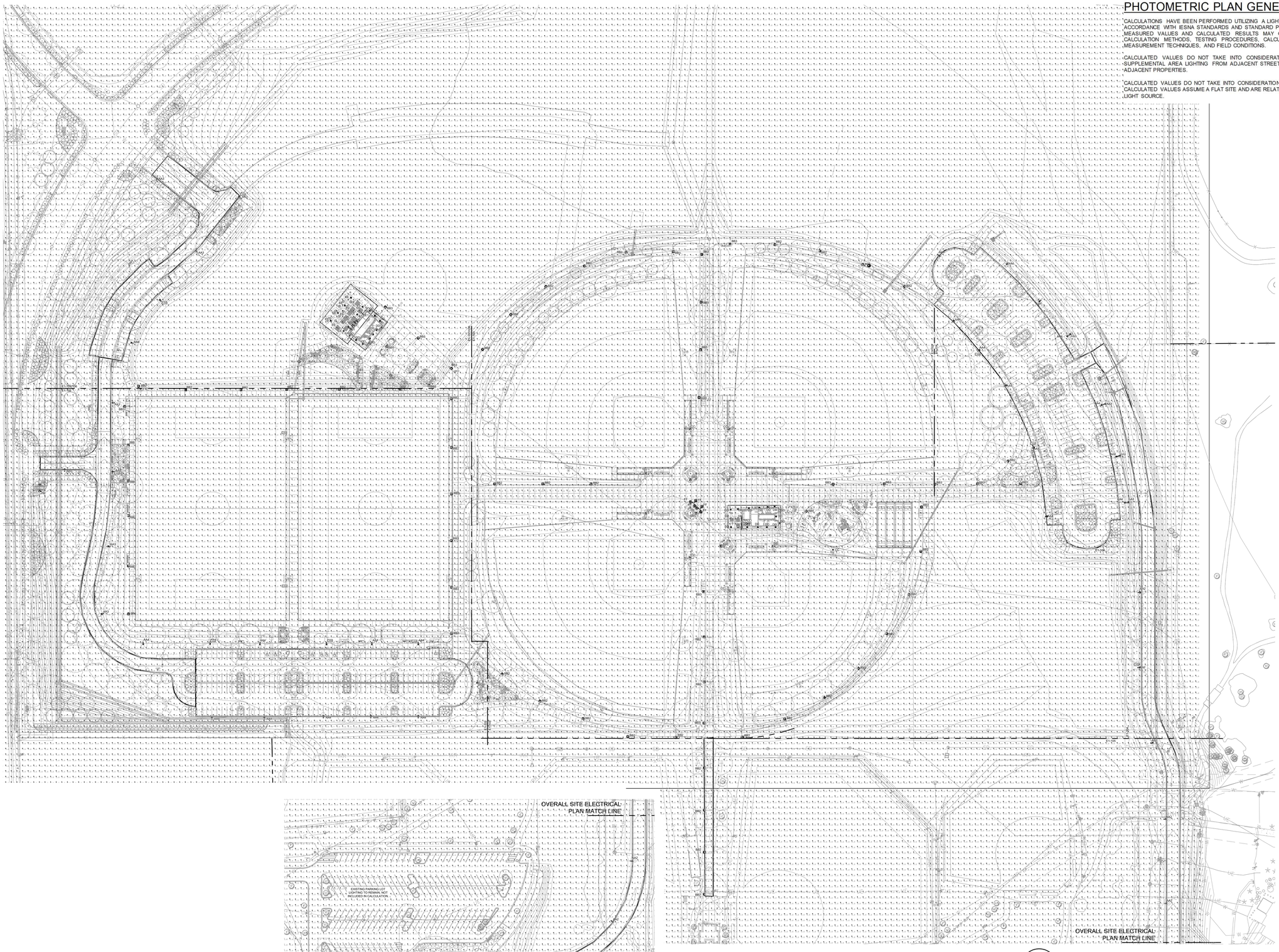
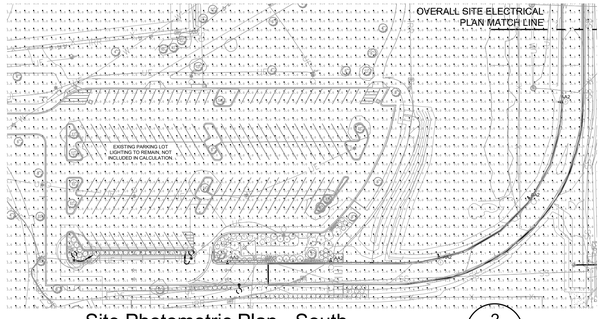
THE SQUARES ABOVE ARE COLOR: WITH BLACK AND WHITE EQUIVALENTS WHEN PLOTTED

## PHOTOMETRIC PLAN GENERAL NOTES

1. CALCULATIONS HAVE BEEN PERFORMED UTILIZING A LIGHTING CALCULATION SOFTWARE, IN ACCORDANCE WITH IESNA STANDARDS AND STANDARD PRACTICE. DIFFERENCES BETWEEN MEASURED VALUES AND CALCULATED RESULTS MAY OCCUR DUE TO TOLERANCES IN CALCULATION METHODS, TESTING PROCEDURES, CALCULATION SOFTWARE LIMITATIONS, MEASUREMENT TECHNIQUES, AND FIELD CONDITIONS.
2. CALCULATED VALUES DO NOT TAKE INTO CONSIDERATION AMBIENT LIGHT LEVELS OR SUPPLEMENTAL AREA LIGHTING FROM ADJACENT STREET LIGHTS OR LIGHTS LOCATED ON ADJACENT PROPERTIES.
3. CALCULATED VALUES DO NOT TAKE INTO CONSIDERATION THE TOPOGRAPHY OF THE SITE. CALCULATED VALUES ASSUME A FLAT SITE AND ARE RELATIVE TO THEIR DISTANCE FROM THE LIGHT SOURCE.




Site Photometric Plan
SCALE: 1" = 80'
1 EP-100B




Site Photometric Plan - South
SCALE: 1" = 80'
2 EP-100B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Town of Parker
# SALISBURY PARK NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134

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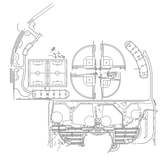
ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

| | DATE | DESCRIPTION |
|---|---|---|

| | |
|---|---|
| Project Number: | 223072.00 |
| Sheet Issue Date: | 2024-11-22 |
| Drawn By: | AEI |
| Checked By: | HFR |

Key Map



Drawing

OVERALL SITE PHOTOMETRIC PLAN - ALTERNATES

# EP-100B

SITE PLAN SUBMITTAL



COLORADO 811
CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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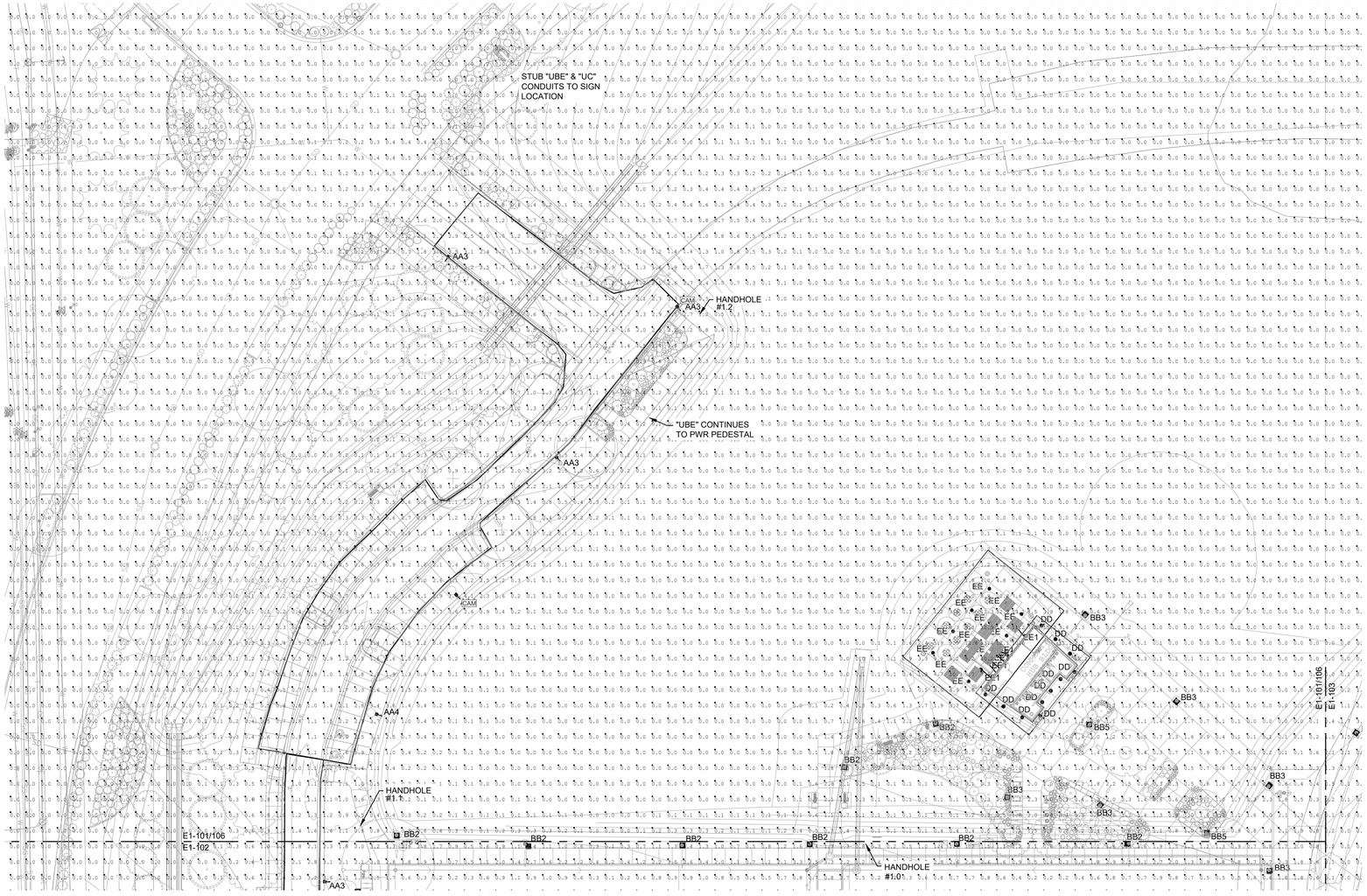
THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE TOTAL 4 PRINT REPRODUCTIONS




## Site Photometric Plan

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

1 EP-101

| Luminaire Schedule | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Project: Phase 1 | | | | | | | | |
| Symbol | Tag | Qty | Lum. Lumens | Lum. Watts | Mounting Height | LLF | Label | Description |
| | AA2 | 10 | 16617 | 114.2447 | 25 | 0.880 | Gardco-P26-64L-600-NW-G2-2 | Parking lot luminaire, LED, Type 2 Dist, Black finish |
| | AA3 | 12 | 16069 | 114.2447 | 25 | 0.880 | Gardco-P26-64L-600-NW-G2-3 | Parking lot luminaire, LED, Type 3 Dist, Black finish |
| | AA4 | 26 | 16670 | 114.2447 | 25 | 0.880 | Gardco-P26-64L-600-NW-G2-4 | Parking lot luminaire, LED, Type 4 Dist, Black finish |
| | BB2 | 42 | 3741 | 34.1 | 14 | 0.880 | AAL-PROV2-36L-295-4K7-2 | Pedestrian luminaire, post top mount, LED, Type 2 Dist, Black finish |
| | BB3 | 26 | 3611 | 34.1 | 14 | 0.880 | AAL-PROV2-36L-295-4K7-3 | Pedestrian luminaire, post top mount, LED, Type 3 Dist, Black finish |
| | BB4 | 1 | 3642 | 34.1 | 14 | 0.880 | AAL-PROV2-36L-295-4K7-4W | Pedestrian luminaire, post top mount, LED, Type 4 Dist, Black finish |
| | BB5 | 8 | 3671 | 34.1 | 14 | 0.880 | AAL-PROV2-36L-295-4K7-5W | Pedestrian luminaire, post top mount, LED, Type 5 Dist, Black finish |
| | CC | 9 | 10401 | 74.35753 | 20 | 0.880 | Gardco-P26-48L-500-NW-G2-3 | Area luminaire, mounted to sport poles, Type 3 Dist, Black finish |
| | DD | 28 | 1545 | 19.3854 | 9.5, 10, 10.2, 10.25, 10.5, 11.5, 12, 12.75, 13, 13.5, 14.25, 14.5, 16, 16.8 | 0.880 | Luminaire LED-VRDL4 1500LM MD 40K 80CRI CPL | Recessed LED downlight, 4in aperture, Black trim |
| | EE | 12 | 3576 | 34.2436 | 22, 23, 24 | 0.880 | BK Ltg-HU-LED-TR-X116-FL-WHP-9-C-1-INC-120-4000K | Canopy mounted, adjustable LED flood light, Black finish |
| | EE1 | 6 | 395 | 19.85 | 22 | 0.880 | HK Ltg-ZXL16-IP | Canopy Mounted adjustable signage luminaire, Black finish |
| | FF | 6 | 1873 | 21 | 0.5 | 0.880 | Current-LTV82FF-SP-18L4K | Ground mounted flag pole light, spot dist |
| | HH | 2 | 2009 | 16.1 | 0.5 | 0.880 | Current-LSP-LSCS-2000LM-4000K | Ground Mounted Sign Light, LED, Bronze finish |
| | KK(3') | 3 | 531 | 10.23 | 12.5 | 0.880 | Cole Ltg-SL-36-LED-LED | Wall mounted sign light, Black finish |

| Calculation Summary | | | | | | | |
|---|---|---|---|---|---|---|---|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| North Site | Illuminance | Fc | 0.32 | 14.5 | 0.0 | N.A. | N.A. |
| South Site | Illuminance | Fc | 0.18 | 6.1 | 0.0 | N.A. | N.A. |
| Parking Lot & Drive NW | Illuminance | Fc | 1.45 | 3.5 | 0.5 | 2.90 | 7.00 |
| Parking Lot NE | Illuminance | Fc | 1.57 | 4.3 | 0.3 | 5.23 | 14.33 |
| Parking Lot SW | Illuminance | Fc | 1.73 | 4.0 | 1.0 | 1.73 | 4.00 |
| South Drive | Illuminance | Fc | 1.95 | 5.5 | 0.5 | 3.90 | 11.00 |
| South Walk | Illuminance | Fc | 1.65 | 3.4 | 0.7 | 2.36 | 4.86 |
| West Drive | Illuminance | Fc | 1.58 | 3.6 | 0.6 | 2.63 | 6.00 |

All site light poles and luminaire heads will be black or bronze, except for the sports lighting poles. Sports light poles will be the manufacturer's standard gray.

## PHOTOMETRIC PLAN GENERAL NOTES

CALCULATIONS HAVE BEEN PERFORMED UTILIZING A LIGHTING CALCULATION SOFTWARE, IN ACCORDANCE WITH IESNA STANDARDS AND STANDARD PRACTICE. DIFFERENCES BETWEEN MEASURED VALUES AND CALCULATED RESULTS MAY OCCUR DUE TO TOLERANCES IN CALCULATION METHODS, TESTING PROCEDURES, CALCULATION SOFTWARE LIMITATIONS, MEASUREMENT TECHNIQUES, AND FIELD CONDITIONS.

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**Site Lumens per Site Area**

| | Sq Ft | | | |
|---|---|---|---|---|
| North Site Area | 3,291,294 | General Site: | 0.39 | Lumens/Sq Ft |
| South Site Area | 42,744 | With Sports Lights: | 7.50 | Lumens/Sq Ft |
| Total | 3,334,038 Sq Ft | | | |

**Specified Luminaires:**

| Luminaire Type | Lumens | Qnty Lts | Total Lumens |
|---|---|---|---|
| AA2 | 16617 | 10 | 166,170 |
| AA3 | 16069 | 12 | 192,828 |
| AA4 | 16670 | 26 | 433,420 |
| BB2 | 3741 | 42 | 157,122 |
| BB3 | 3611 | 26 | 93,886 |
| BB4 | 3642 | 1 | 3,642 |
| BB5 | 3671 | 8 | 29,368 |
| CC | 10401 | 9 | 93,609 |
| DD | 1545 | 28 | 43,260 |
| EE | 3576 | 9 | 32,184 |
| EE1 | 3500 | 5 | 17,500 |
| FF | 1911 | 6 | 11,466 |
| HH | 2000 | 2 | 4,000 |
| KK | 4000 | 2 | 8,000 |
| Total: | | | 1,286,455 |

**Baseball Field Lighting**

| Luminaire Type | Total Lumens |
|---|---|
| A1 | 606,000.00 |
| A2 | 606,000.00 |
| B1 | 808,000.00 |
| B2 | 808,000.00 |
| C1 | 358,000.00 |
| C2 | 358,000.00 |
| A3 | 606,000.00 |
| A4 | 952,000.00 |
| B3 | 952,000.00 |
| B4 | 952,000.00 |
| C3 | 854,000.00 |
| C4 | 854,000.00 |
| A5 | 606,000.00 |
| A6 | 606,000.00 |
| B5 | 952,000.00 |
| B6 | 952,000.00 |
| C5 | 854,000.00 |
| C6 | 854,000.00 |
| A7 | 410,000.00 |
| A8 | 410,000.00 |
| B7 | 560,000.00 |
| B8 | 560,000.00 |
| C7 | 514,000.00 |
| C8 | 514,000.00 |
| Total | 16,506,000.00 |

**Multipurpose Fields**

| Luminaire Type | Total Lumens |
|---|---|
| S1 | 1,800,000.00 |
| S2 | 900,000.00 |
| S3 | 900,000.00 |
| S4 | 1,800,000.00 |
| S5 | 900,000.00 |
| S6 | 900,000.00 |
| Total | 7,200,000.00 |

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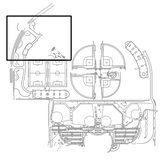
Checked By: HFR

Key Map



Drawing

SITE PHOTOMETRIC PLAN

EP-101

SITE PLAN SUBMITTAL
Page 305 of 311

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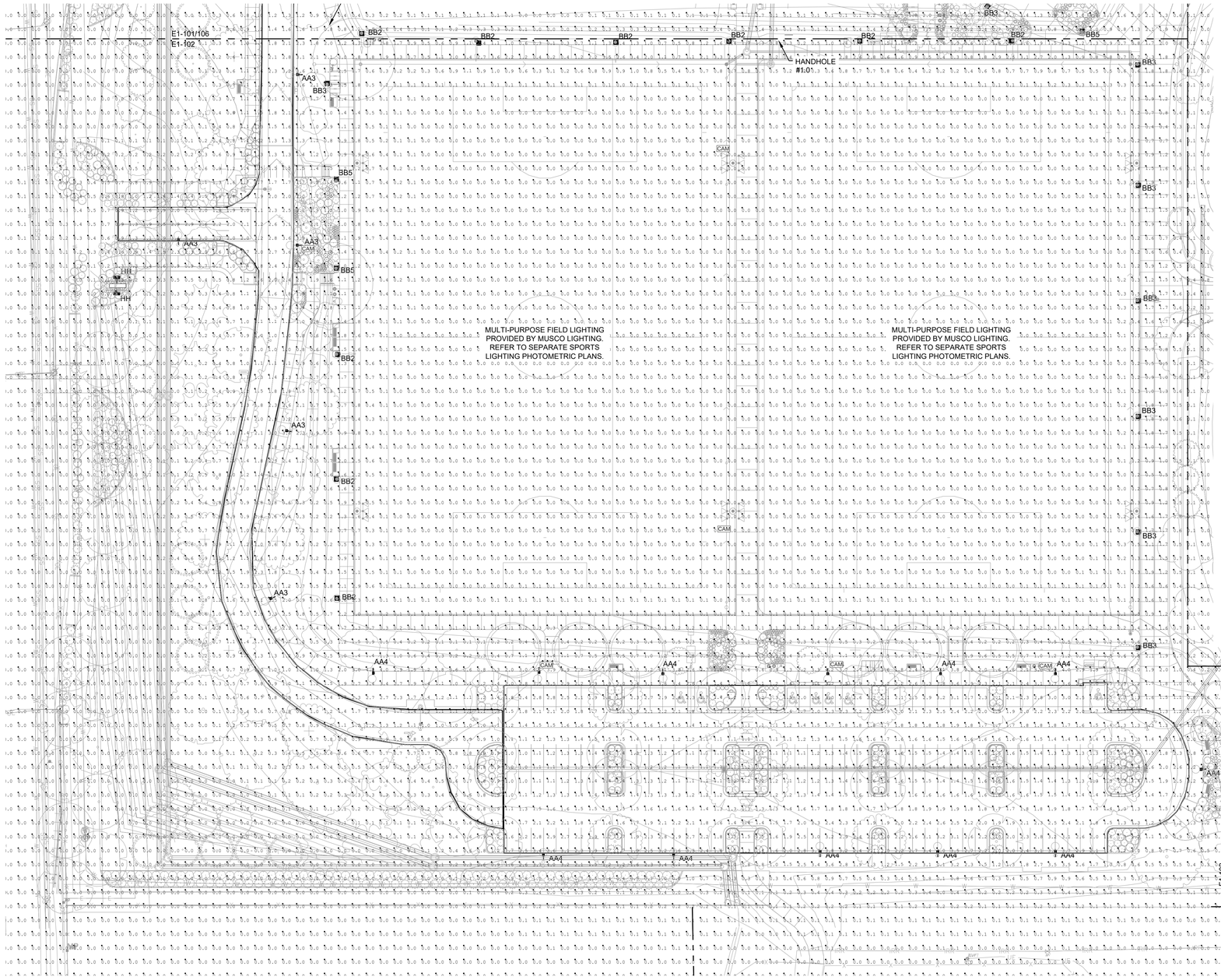


Site Photometric Plan

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

1
EP-102

# PHOTOMETRIC PLAN GENERAL NOTES

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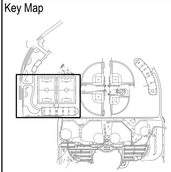
Key Map



Drawing

SITE PHOTOMETRIC PLAN

EP-102

SITE PLAN SUBMITTAL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THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED ON ARCH D SHEETS ORIGINAL IMAGE SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE TO FOLLOW PRINTED CORRECTLY

THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED ON ANSI D SHEETS ORIGINAL IMAGE SIZE

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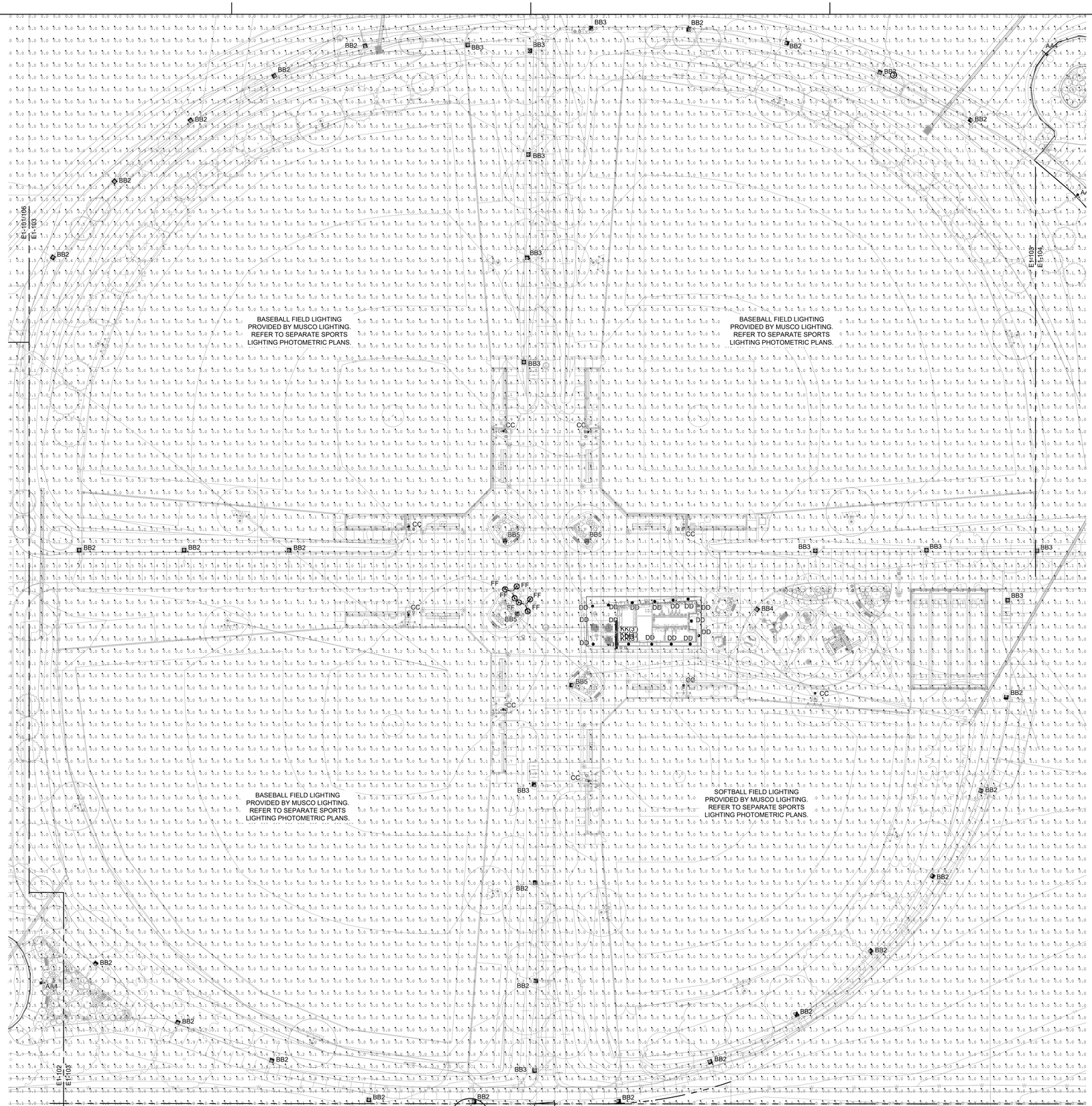


Site Photometric Plan
SCALE: 1" = 40'

1
EP-103

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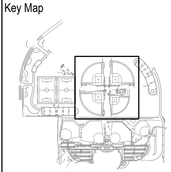

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SITE PHOTOMETRIC PLAN

EP-103

SITE PLAN SUBMITTAL
Page 307 of 311


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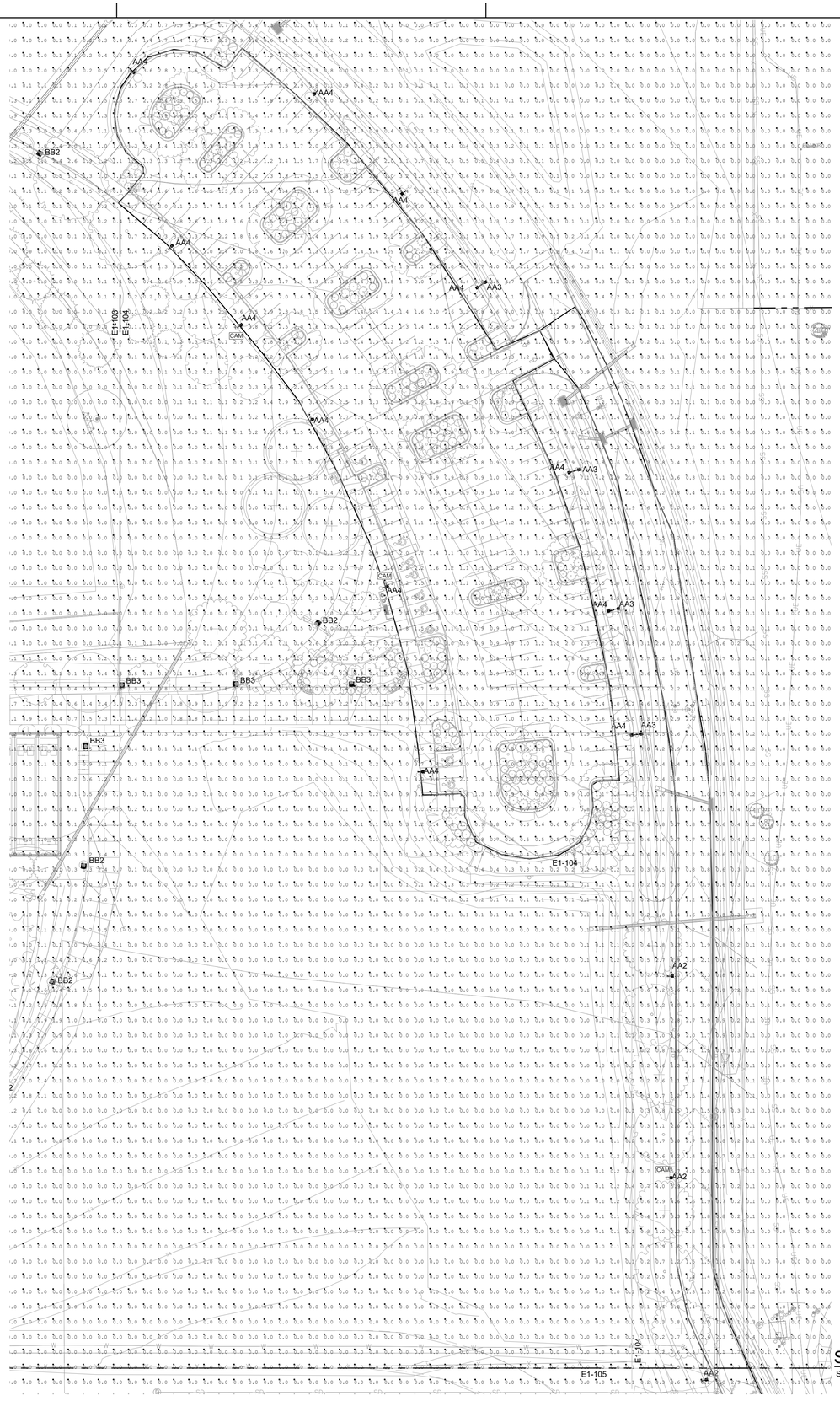


Site Photometric Plan
SCALE: 1" = 40'

0 20 40 80 120
SCALE IN FEET

1
EP-104

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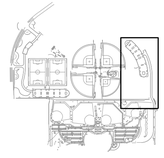

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SITE PHOTOMETRIC PLAN

EP-104

SITE PLAN SUBMITTAL
Page 308 of 311

COLORADO 811
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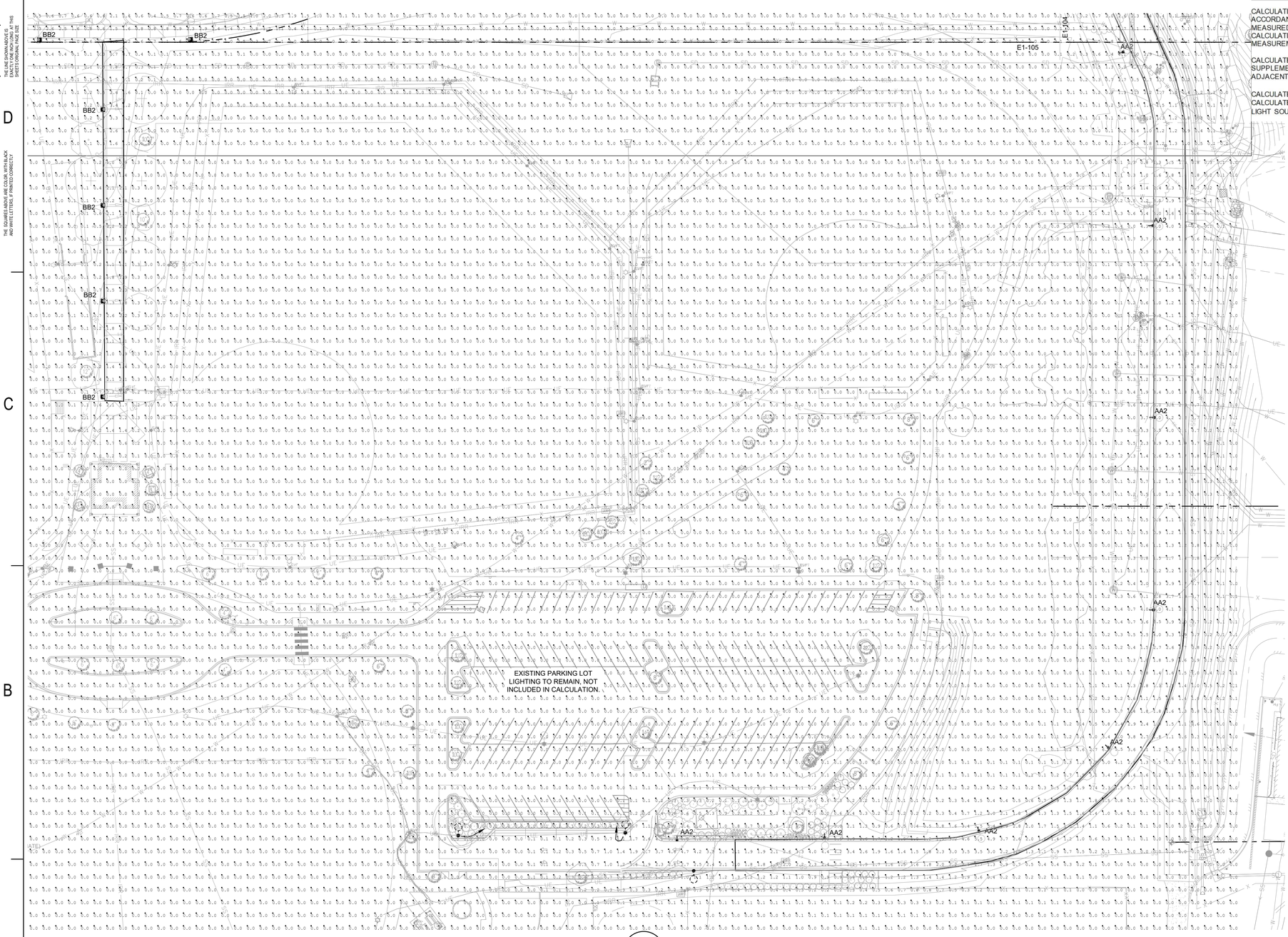


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0 20 40 80 120
SCALE IN FEET

1
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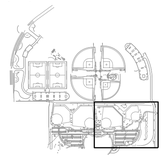

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SITE PHOTOMETRIC PLAN

EP-105

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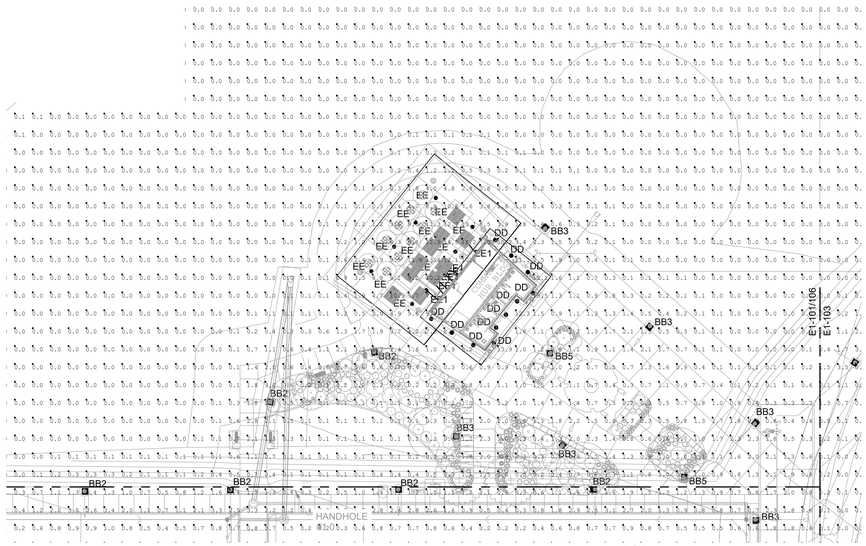


Site Photometric Plan - Alternate No. 01 - HUB Bldg

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

1
EP-106

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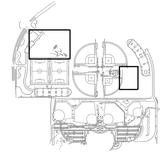

Drawing

SITE PHOTOMETRIC PLAN - ALTERNATES

EP-106

SITE PLAN SUBMITTAL


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TYPE AA2, AA3, AA4: PARKING LOT AND DRIVE LUMINAIRES:
SINGLE OR DOUBLE HEAD MOUNTING, 115W PER HEAD, 4000K, 22.5' TALL POLE ON 2.5' CONCRETE BASE.
TYPE AA2 = TYPE 2 DIST, 16600 LUMENS; TYPE AA3 = TYPE 3 DIST, 16070 LUMENS; TYPE AA4 = TYPE 4 DIST, 16670 LUMENS.

GARDCO

Site & Area

PureForm

P26 medium area light

Type AA# Series

**Gardco PureForm LED area medium P26** features a sleek, low profile design and optimal performance. PureForm area medium is designed to achieve maximum pole spacing, with lumen output up to 28,900 lumens. Multiple distribution and shielding options are available to achieve maximum control. A full range of control options provides additional energy savings.

Project:
Location:
Cat.No:
Type:
Lumens: Qty:
Notes:

Ordering guide

**Example:** P26-64L-800-NW-G2-AR-3-120-HIS-MGY

| Prefix | Number of LEDs | Drive Current | LED Color - Generation | Mounting | Distribution | Voltage |
|---|---|---|---|---|---|---|
| P26 | | | | | | |
| P26 PureForm area medium, 26" | 48L 48 LEDs (3 modules) | 400 400mA | WW-G2 Warm White 3000K, 70 CRI Generation 2 | AR Arm Mount (standard)[2] | Type 2 2 Type 2 2-90 Rotated at 90° 2-270 Rotated at 270° | Type 5 5 Type 5 5W Type 5W |
| | | 500 500mA | | | | |
| | | 600 600mA | NW-G2 Neutral White 4000K, 70 CRI Generation 2 | The following mounting kits must be ordered separately (See accessories) | | AFB Auto Front Row |
| | | 700 700mA | | | | AFB-90 Auto Front Row, rotated at 90° |
| | 64L 64 LEDs (4 modules) | 600 600mA | CW-G2 Cool White 5000K, 70 CRI Generation 2 | | Type 3 3 Type 3 3-90 Rotated at 90° 3-270 Rotated at 270° | AFB-270 Auto Front Row, rotated at 270° |
| | | 700 700mA | | SF Slip Fitter Mount[1] (Fits to 2¼" O.D. tenon) | | BLC Back Light Control |
| | | 800 800mA | WY-G2 Warm Yellow 2700K, 80 CRI Generation 2 | | Type 4 4 Type 4 4-90 Rotated at 90° 4-270 Rotated at 270° | BLC-90 Back Light Control rotated at 90° |
| | 80L 80 LEDs (5 modules) | 700 700mA | BW-G2 Balanced White 3500K 80CRI Generation 2[1] | WS Wall mount with surface conduit rear entry permitted | | BLC-270 Back Light Control rotated at 270° |
| | | 800 800mA | | | | |
| | | 900 900mA | AM-G2 Direct Amber (590nm) Generation 2[1,4] | RAM Retrofit: are mount kit[1] | | |

Voltage: 120 120V; 208 208V; 240 240V; 277 277V; 347 347V; 480 480V; UNV 120-277V (50/60Hz); HVU 347-480V (50/60Hz)

TYPE BB2, BB3, BB5: PARK PEDESTRIAN LUMINAIRES:
POST TOP MOUNTING, 35W PER HEAD, 4000K, LUMINAIRE HEAD MOUNTED ON A 12' TALL POLE, ~14' OVERALL POLE HEIGHT ABOVE GRADE.
TYPE BB2 = TYPE 2 DIST, 3740 LUMENS, TYPE BB3 = TYPE 3 DIST, 3600 LUMENS, TYPE BB5 = TYPE 5W DIST, 3670 LUMENS.

Type BB#

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

architectural arealighting

PROV2

ARCHITECTURAL AREA/SITE

PROVIDENCE®

**FEATURES**

- Reliable, uniform, glare free illumination
- Types 1, 2, 3, 4W, 5Q, and 5W distributions
- Amber, 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral Surge protection: 10k in parallel, 20k in series
- Upgrade Kits

| | WEIGHT | EPA |
|---|---|---|
| PROV2 | 29 lbs / 13.15 kg | 1.33 |

architectural arealighting

PROV2

ARCHITECTURAL AREA/SITE

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

**ORDERING GUIDE**

**Example:** PROV2-36L-325-3K7-4W-BL-SLA1-DF-HS-AD5-UNV

CATALOG #

**ORDERING GUIDE**

**HOUSING**

| Housing | LED Quantity | Lumen output | CCT/CRI | Distribution | Finish |
|---|---|---|---|---|---|
| PROV2 | | | | | |
| PROV2 Providence Medium 2.0 | 36L 36 LED | 295 456mA Microcore Equivalent | AMB Amber-595nm Peak[1] | 1 Type I | BLS Black Gloss Smooth |
| | | 325 325mA, 4500 Lumens | 3K7 3000K, 70 CRI | 2 Type II | BLT Black Matte Textured |
| | | 510 510mA, 6500 Lumens | 4K7 4000K, 70 CRI | 3 Type III | DBS Dark Bronze Gloss Smooth |
| | | 525 700mA Microcore Equivalent | 5K7 5000K, 70 CRI | 4W Type IV Wide | DBT Dark Bronze Matte Textured |
| | | 615 615mA, 7500 Lumens | Contact factory for options listed below | 5Q Type V Square | GTT Graphite Matte Textured |
| | | | 27K8 2700K, 80 CRI | 5W Type V Wide | LGS Light Grey Gloss Smooth |
| | | | 80 or 90 CRI for standard color temperatures | | LGT Light Grey Matte Textured |
| | | | | | PSS Platinum Silver Gloss Smooth |
| | | | | | VGT Verde Green Matte Textured |
| | | | | | WHS White Gloss Smooth |
| | | | | | WHT White Matte Textured |
| | | | | | Color Option |
| | | | | | CC[4] Custom Color |

| Mounting | Optional Lens | Options | Mounting Options | Voltage |
|---|---|---|---|---|
| Pole Mount | CL Clear Lens | HS House Side Shield[4,5] | AD5 Adaptor 5" OD Pole | UNV 120-277V |
| STND_MNT[3] Standard Mount | DL Diffused Lens[2] | PFN Brass Colored Finish | PCA-C Photocontrol Adaptor Contemporary | |
| PT23 2 3/8" tenon | | SPK Cast Spikes | PCA-T Rotatable photocell housing. The housing slips over a 4"/100mm o.d. pole.a fixture slips over the 4"/100mm O.D. tenon Includes an internal twist | |
| PT3 3" tenon | | BPS Brass Colored Shafts | | |
| PT4 4" tenon | | SF Single Fuse (120, 277) | | |

TYPE CC: SPORT POLE MOUNTED AREA LUMINAIRE:
TYPE 3 DISTRIBUTION; SINGLE ARM MOUNT TO BACKSIDE OF SPORT POLES, 74W, 4000K, 10400 LUMENS, 20' MOUNTING HEIGHT ABOVE GRADE

GARDCO

Site & Area

PureForm

P26 medium area light

Type CC Series

**Gardco PureForm LED area medium P26** features a sleek, low profile design and optimal performance. PureForm area medium is designed to achieve maximum pole spacing, with lumen output up to 28,900 lumens. Multiple distribution and shielding options are available to achieve maximum control. A full range of control options provides additional energy savings.

Project:
Location:
Cat.No:
Type:
Lumens: Qty:
Notes:

Ordering guide

**Example:** P26-64L-800-NW-G2-AR-3-120-HIS-MGY

| Prefix | Number of LEDs | Drive Current | LED Color - Generation | Mounting | Distribution | Voltage |
|---|---|---|---|---|---|---|
| P26 | | | | | | |
| P26 PureForm area medium, 26" | 48L 48 LEDs (3 modules) | 400 400mA | WW-G2 Warm White 3000K, 70 CRI Generation 2 | AR Arm Mount (standard)[2] | Type 2 2 Type 2 2-90 Rotated at 90° 2-270 Rotated at 270° | Type 5 5 Type 5 5W Type 5W |
| | | 500 500mA | | | | |
| | | 600 600mA | NW-G2 Neutral White 4000K, 70 CRI Generation 2 | The following mounting kits must be ordered separately (See accessories) | | AFB Auto Front Row |
| | | 700 700mA | | | | AFB-90 Auto Front Row, rotated at 90° |
| | 64L 64 LEDs (4 modules) | 600 600mA | CW-G2 Cool White 5000K, 70 CRI Generation 2 | | Type 3 3 Type 3 3-90 Rotated at 90° 3-270 Rotated at 270° | AFB-270 Auto Front Row, rotated at 270° |
| | | 700 700mA | | SF Slip Fitter Mount[1] (Fits to 2¼" O.D. tenon) | | BLC Back Light Control |
| | | 800 800mA | WY-G2 Warm Yellow 2700K, 80 CRI Generation 2[1] | | Type 4 4 Type 4 4-90 Rotated at 90° 4-270 Rotated at 270° | BLC-90 Back Light Control rotated at 90° |
| | 80L 80 LEDs (5 modules) | 700 700mA | BW-G2 Balanced White 3500K 80CRI Generation 2[1] | WS Wall mount with surface conduit rear entry permitted | | BLC-270 Back Light Control rotated at 270° |
| | | 800 800mA | | | | |
| | | 900 900mA | AM-G2 Direct Amber (590nm) Generation 2[1,4] | RAM Retrofit: are mount kit[1] | | |

Voltage: 120 120V; 208 208V; 240 240V; 277 277V; 347 347V; 480 480V; UNV 120-277V (50/60Hz); HVU 347-480V (50/60Hz)

TYPE DD: EXTERIOR BUILDING LUMINAIRES:
RECESSED LED DOWNLIGHT, VANDAL RESISTANT, REGRESSED LENS, 11W LED, 4000K.
HEADQUARTERS BUILDING: MOUNTING HEIGHT VARIES WITH BUILDING ROOF SLOPE, FROM ~9.5' TO ~16' ABOVE GRADE.
ALTERNATE HUB BUILDING: MOUNTING HEIGHT VARIES WITH BUILDING ROOF SLOPE, FROM ~9.5' TO ~14' ABOVE GRADE.

VRDL4

Type DD

Vandal Resistant

VRDL4 Series STWH

Fixture Type: Date:
Job Name: Approved By:
Catalog Number:

66 IP RATED; DLC LISTED; IK10; NSF; cULus; BAA; BABA

SPECIFICATIONS

| | |
|---|---|
| **Description** | The VRDL recessed downlight features a ligature-resistant construction suitable for behavioral institutions and vandal-prone areas. |
| **Lens** | Impact resistant polycarbonate lens with 0.25" nominal thickness. Available with patent pending flangled or flangeless (GB) trim. If IP66 rating is required, no-pick caulk (or vandal resistant equivalent caulk) is recommended. See Installation Instructions for more detail. Lens and trim secured with tamper resistant center pin reject TORX fasteners to prevent intrusion and mitigate ligature. |
| **LED Drivers** | Factory tuned constant current electronic dimming driver is standard. Flicker free dimming available down to <1%. Electrical specifications, PF >.9 and THD <20%. Meets FCC Title 47 Class A or Class B. Other available drivers include Lutron and DALI protocol drivers. |
| **LED** | Static white in 1800K, 2700K, 3000K, 3500K, 4000K, or 5000K in either 80CRI or 90CRI standard. Optional RED LED. All LED within a 2.5 step MacAdam ellipse. |
| **Controls and System Networking Options** | Optional integrated nLight® controls make each fixture addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors, and photocontrols. Connection to nLight is simple. It can be accomplished with remote nLight AIR wireless or through standard Cat-5 cabling, (cabling "by others") nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other, while nLight AIR is commissioned easily through an intuitive mobile app. |
| **Listing** | CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750) and CAN/CSA C22.2 No. 250.0. Standard is wet location and IP66 @ IK10. Certified for NSF Splash Zone 2 with AMF and BSS finish. Non-IC rated. |
| **Government Procurement** | **BAA – Buy America(n) Act:** Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.<br>**BABA – Build America Buy America:** Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.<br>Please refer to www.acuitybrands.com/buy-american for additional information. |
| **Warranty** | Lifetime warranty against vandalism. Luminaire LED will repair or replace any fixture damaged due to vandalism for the lifetime of the installation. 10-year warranty on LED boards against operational defects. Tested in accordance with LM-80. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. |
| **Note** | Actual performance may differ as a result of end-user environment and application.<br>All values are design or typical values, measured under laboratory conditions at 25 °C.<br>Specifications subject to change without notice. |

ORDERING INFORMATION

Example: VRDL4 MIN1 ZT 1500LM MD 40K 90CRI 120 CAL BLK

| Series* | Mounting* | Driver* | Control Input* | Lumens* | Distribution* |
|---|---|---|---|---|---|
| VRDL4 Vandal Resistant 4" Recessed Downlight Luminaire | <BLANK> If used with Flanged or Grid | MIN1 Constant Current, Dimming to 1% | ZT 0-10V Dimming | <BLANK> When Selecting RED | MD Medium (1.0 s/mh) |
| | GB[1] Gypsum Board (Sheetrock) | DARK[2] Constant Current, Dimming to <1% | DALI DALI | 1000LM 1000 lumens | WD Wide (1.2 s/mh) |
| | | | ECOS[1] Lutron Ecosystem | 1500LM 1500 lumens | |
| | | | NLIGHT[4,5,7,10] nLight Enabled | 2000LM 2000 lumens | |
| | | | NLTAIR2[4,7,10] nLight Air 2 Wireless Enabled | 2500LM 2500 lumens | |
| | | | | 3000LM[3,6] 3000 lumens | |

| CCT* | CRI* | Voltage* | Lens* | Finish* |
|---|---|---|---|---|
| 18K[1] 1800K | <BLANK> When Selecting RED | 120 120 Volt | CPL Clear Polycarbonate | AMF White Antimicrobial Finish |
| 27K 2700K | 80CRI 80 CRI | 277 277 Volt | CAL Clear Acrylic | BLK Black |
| 30K 3000K | 90CRI 90 CRI | 347[1,7,9] 347 Volt | | BSS Brushed Stainless Steel |
| 35K 3500K | | MVOLT 120-277 Volt | | BRZ Bronze |
| 40K 4000K | | | | SIL Silver |
| 50K 5000K | | | | CUST Custom Color, Consult Factory |
| RED[1,8] Red | | | | RALTBD RALTBD |
| | | | | *RALTBD for pricing only. Replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options.* |

| Emergency | Territory Compliance |
|---|---|
| EMB310T20[1,4,7,10] Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Meets CA Title 20 standards | CP[1] Chicago Plenum |

| Fusing | EMI Filter | Controls | Mounting Hardware | Visible Hardware[11] |
|---|---|---|---|---|
| GLR[1] Fuse and Fuse Holder | RFI[1,7] Radio Frequency Interference Filter | GTD[1,4,10] Integral Generator Transfer Device | <BLANK> For Ceilings up to 1 1/4" thick | <BLANK> TORX® Screws to Match Luminaire Finish |
| | | | CTA Ceiling Thickness Adapter | |

*Required

TYPE EE: ALTERNATE: HUB BUILDING CANOPY LUMINAIRE:
SURFACE MOUNTED ADJUSTABLE LED FLOOD LIGHT, 35W, 3575 LUMENS, FLOOD. MOUNTING HEIGHT VARIES FROM ~22' TO ~25' ABOVE FINISHED GRADE.

HUME LED

IP66 RATED

DATE: PROJECT: TYPE:

CATALOG NUMBER LOGIC:

*120V only

**CATALOG NUMBER LOGIC**
Example: HU - LED - TR - x113 - FL - BLP - 12 - 11 - A - 2 - INC - MT

**MATERIAL**
Aluminum

**SERIES**
HU - Hume Floodlight

**SOURCE**
LED - Cold Phosphor Technology

**HOUSING**
TR - Integral Driver

**LED TYPE**

| Available with Narrow Spot Optic | Available with NFL, FL, and WFL Optics |
|---|---|
| x105 - 36W/2.7K/80CRI | x109 - 36W/2.7K/90CRI |
| x106 - 36W/3K/80CRI | x110 - 36W/3K/90CRI |
| x107 - 36W/3.5K/80CRI | x111 - 36W/3.5K/90CRI |
| x108 - 36W/4K/80CRI | x112 - 36W/4k/90CRI |
| x113 - 34W/2.7K/80CRI | x117 - 34W/2.7K/90CRI |
| x114 - 34W/3K/80CRI | x118 - 34W/3K/90CRI |
| x115 - 34W/3.5K/80CRI | x119 - 34W/3.5K/90CRI |
| x116 - 34W/4K/80CRI | x120 - 34W/4K/90CRI |

**OPTICS**
NSP - Narrow Spot (11°) NFL - Narrow Flood (25°) FL - Flood (43°) WFL - Wide Flood (56°)

**FINISH (See page 2 for full-color swatches)**
Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)
Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRM, HUG, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)
Also available in RAL Finishes

**LENS TYPE**
9 - Clear (Standard) 12 - Soft Focus 13 - Rectilinear

**SHIELDING**
11 - Honeycomb Baffle

**CAP STYLE**
A - 45°
B - 90°
C - Flush
D - 45° Less Weep Hole (Downward Aiming Only)
E - 90° Less Weep Hole (Downward Aiming Only)

**KNUCKLE OPTIONS**
1 - Rear Knuckle 2 - Side Knuckle

**CONTROL TYPE**
ELV - Dimming Driver (For use with Electronic Low Voltage Dimmer)*
INC - Dimming Driver (For use with Incandescent Dimmer)*
010 - 0-10V Dimming Driver (Dimming 1 - 100% )

**INPUT VOLTAGE**
MT - 120-277 VAC

**OPTIONS**
TE - Tamper-Resistant

B-K LIGHTING | MADE IN THE USA | 559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

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12/06/2022 SKU-1340
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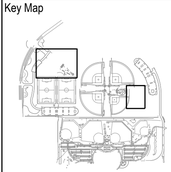
ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

| | DATE | DESCRIPTION |
|---|---|---|

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: AEI
Checked By: HFR

Key Map



Drawing

SITE PHOTOMETRIC LUMINAIRE SPECIFICATIONS

EP-107

SITE PLAN SUBMITTAL
Page 311 of 311

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COLORADO 811

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED AT 24"x36" SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE TESTING PURPOSES ONLY

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1 2 3 4 5