





NOTES THIS SHEET

- 1
- CIRCUIT VIA LIGHTING RELAY PANEL "LRP-2"
- 2
- REFER TO "DUCTBANK TRENCH DETAIL TYPE A (PAVEMENT) - COMM" AND "DUCTBANK TRENCH DETAIL TYPE A (SOIL) - COMM" ON SHEET E-501 FOR ADDITIONAL INFORMATION AS APPLICABLE.
- 3
- CIRCUIT VIA LIGHTING RELAY PANEL "LRP-1"
- 4
- LIGHT FIXTURES, ASSOCIATED POLES, CONCRETE BASES, CONDUIT AND WIRE SHALL BE PROVIDED AS PART OF "BID ALTERNATE 04". REFER TO SHEET G1001 FOR BID ALTERNATE DETAILS.



Craven  
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Training  
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525 Executive Pkwy  
New Bern, NC 28562

BID DOCUMENTS  
SCO # 24-27879-01A

| Revisions |      |
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Project Number  
2407.SAFE

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Drawing Title

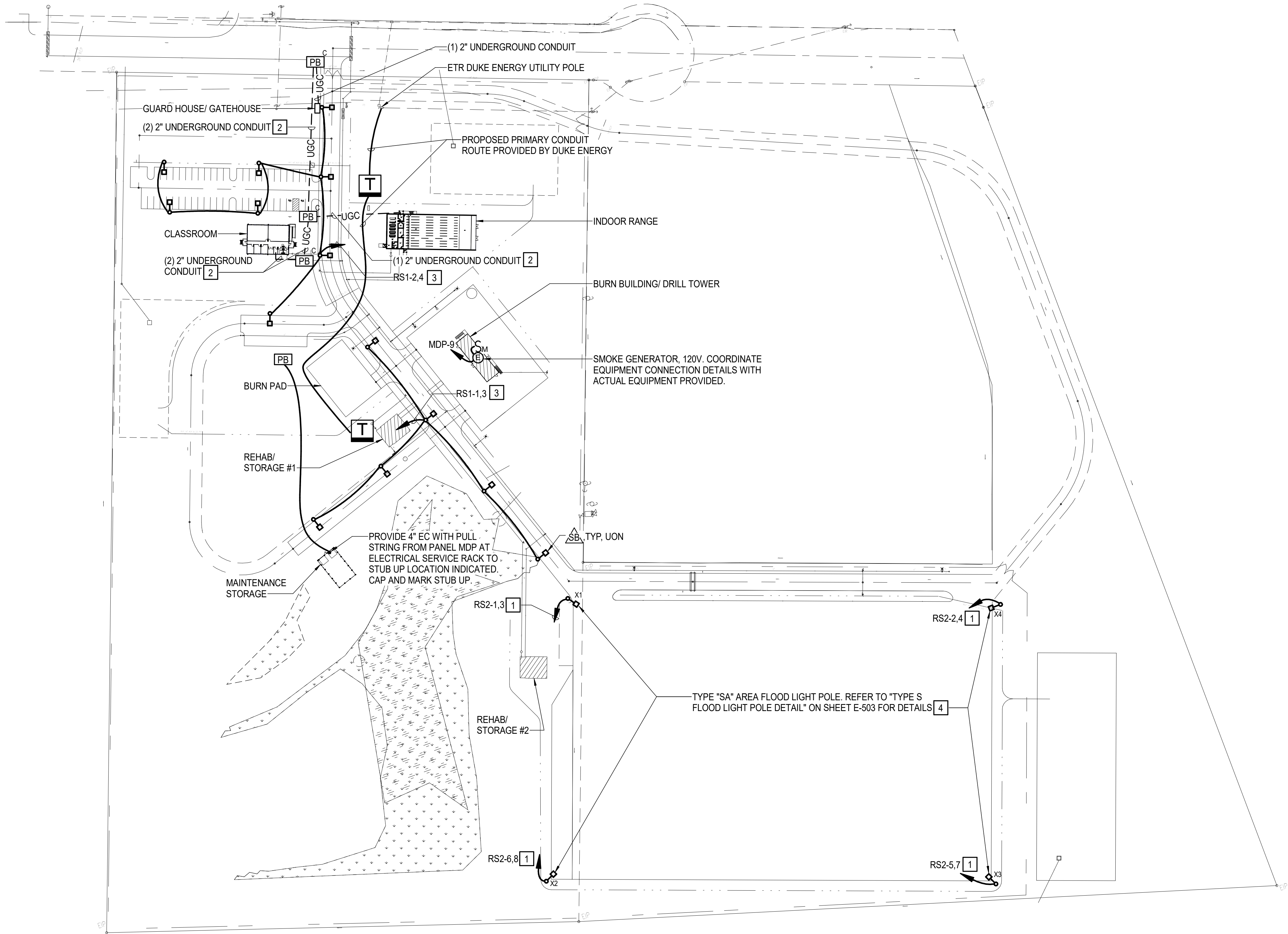
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07/28/25

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SITE PLAN

Sheet Number  
Or 157

Drawing Number  
E-002



BID ALTERNATES:

WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH MULTIPLE BID ALTERNATES. REFER TO SHEET G1001 SECTION "ADDITIVE BID ALTERNATES" FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE(S)



SITE PLAN  
SCALE: 1" = 80'-0"



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**BID DOCUMENTS**  
SCO # 24-27879-01A

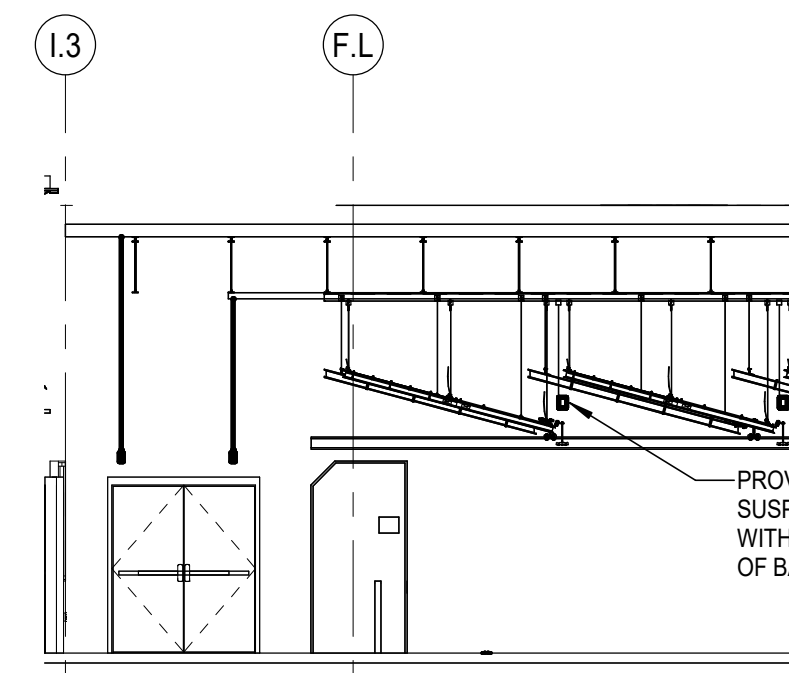
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AS NOTED  
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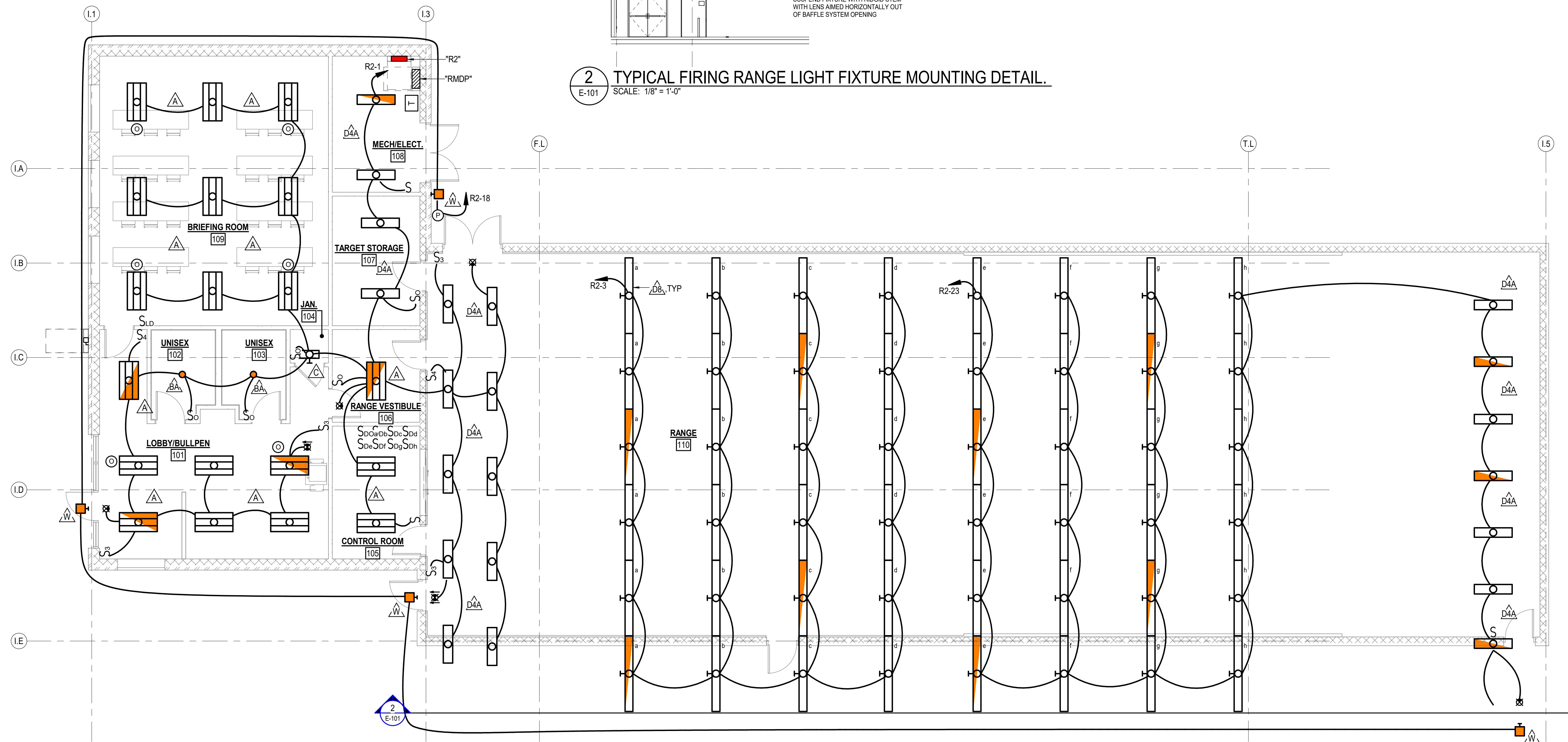
**INDOOR RANGE  
LIGHTING PLAN**

Sheet Number  
Or  
Drawing Number

**E-101**



**2** TYPICAL FIRING RANGE LIGHT FIXTURE MOUNTING DETAIL.  
E-101 SCALE: 1/8" = 1'-0"

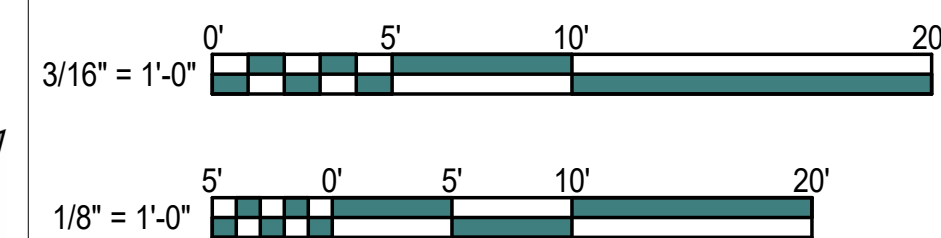


**INDOOR RANGE LIGHTING PLAN**  
SCALE: 3/16" = 1'-0"

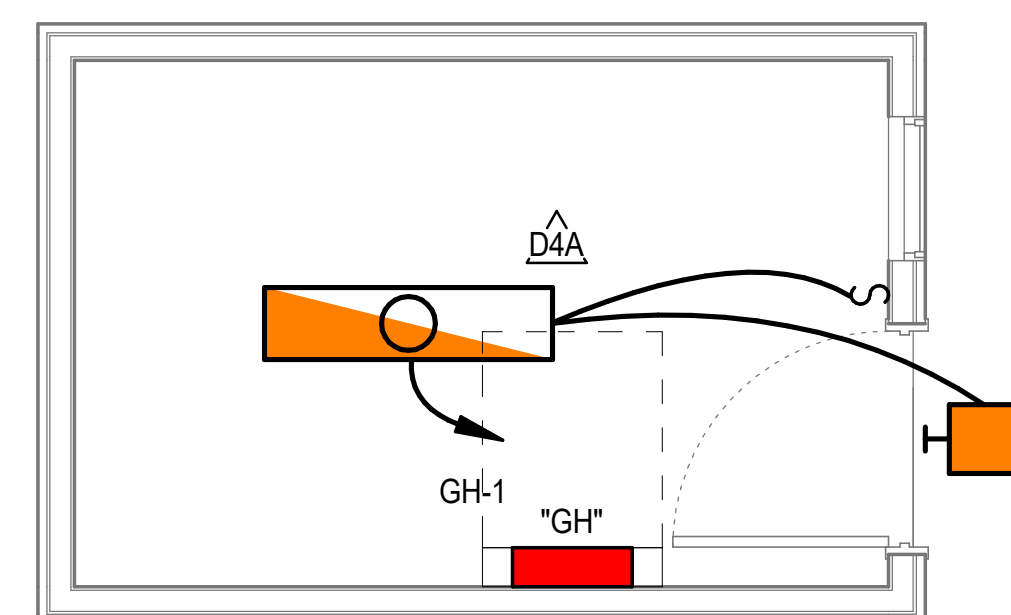
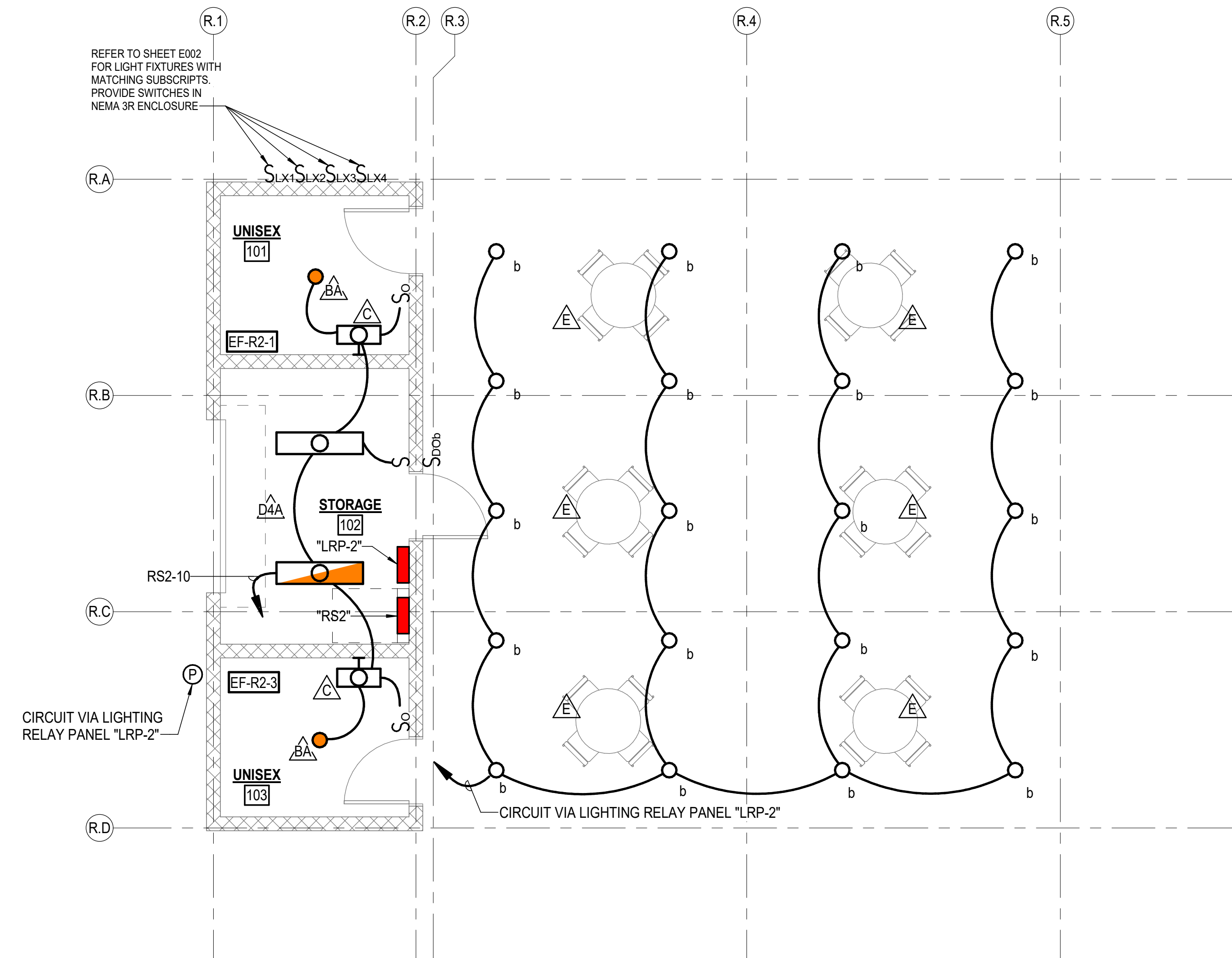
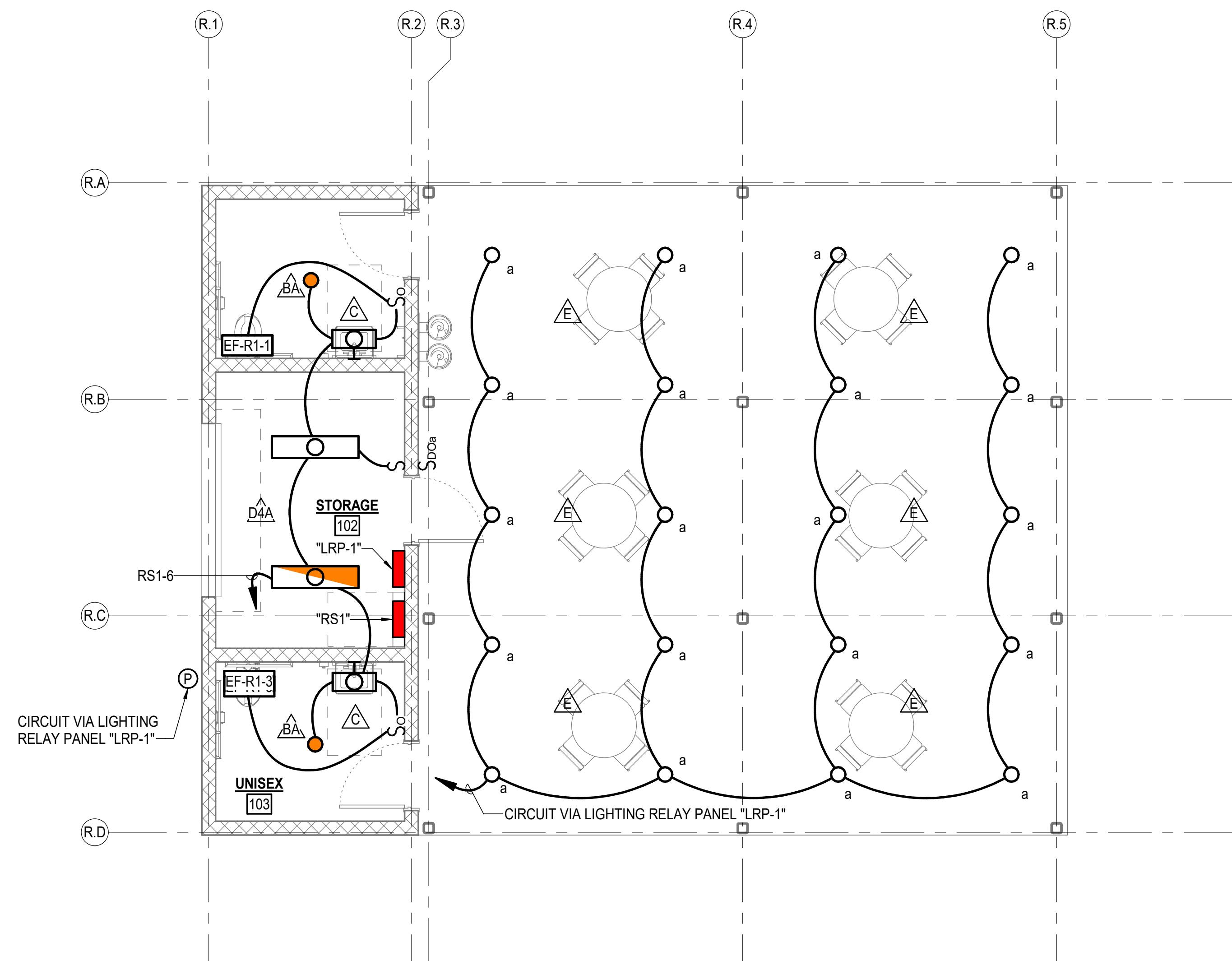
**BID ALTERNATE 06:**

WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH BID ALTERNATE 06. REFER TO SHEET G1001 SECTION "ADDITIVE BID ALTERNATES" FOR ADDITIONAL INFORMATION.

**GRAPHIC SCALE(S)**



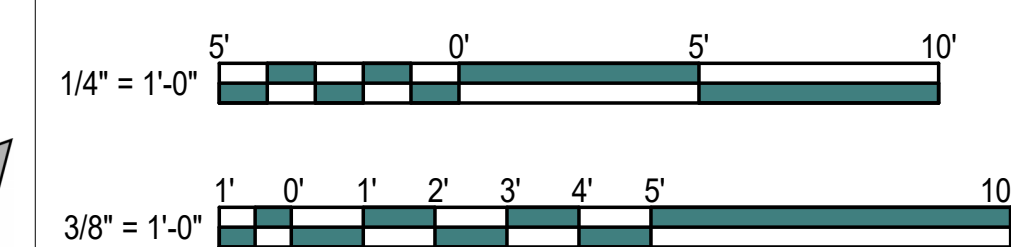




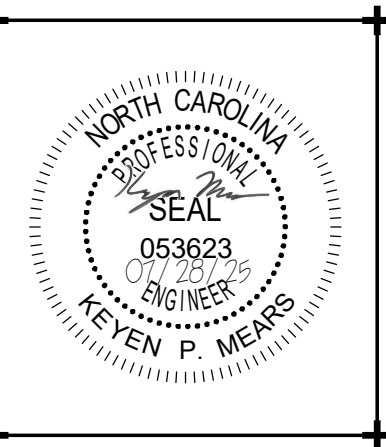
BID ALTERNATES 03 AND 05:

WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH BID ALTERNATES 03 AND 05. REFER TO SHEET G1001 SECTION "ADDITIVE BID ALTERNATES" FOR ADDITIONAL INFORMATION.

**GRAPHIC SCALE(S)**



**WALKER**  
the **GROUP**  
**ARCHITECTURE**  
i n c o r p o r a t e d  
PO BOX 541, NEW BERN, NC 28563  
252-636-8778



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**BID DOCUMENTS**  
**SCO # 24-27879-01A**

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| Project Number | Date     |
| 2407.SAFE      | 07/28/25 |
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## LIGHTING FLOOR PLANS

Sheet Number  
Of 157  
Drawing Number

**Drawing Number**

E-102



NOTES THIS SHEET

- 1

(1) 2" C., SCHEDULE 40 PVC WITH PULL STRING TO PULLBOX, REFER TO SITE PLAN, SHEET E-002 FOR ADDITIONAL INFORMATION.
- 2

PROVIDE (1) 1-1/4"C. WITH PULL STRING. INSTALL CONDUIT IN SLAB TO NEAREST WALL. TURN UP CONCEALED IN WALL TO ABOVE ACCESSIBLE CEILING AND TERMINATE WITH BUSHINGS.
- 3

EQUIPMENT LOCATED ON ROOF.
- 4

DEVICE TO BE MOUNTED ABOVE CEILING BAFFLES, COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO INSTALLATION.
- 5

DEVICE FOR MONITORING OF DDC, COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT MOUNTING LOCATION PRIOR TO INSTALLATION.

WALKER

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NORTH CAROLINA

PROFESSIONAL

SEAL

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BID DOCUMENTS  
SCO # 24-27879-01A

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2407.SAFE

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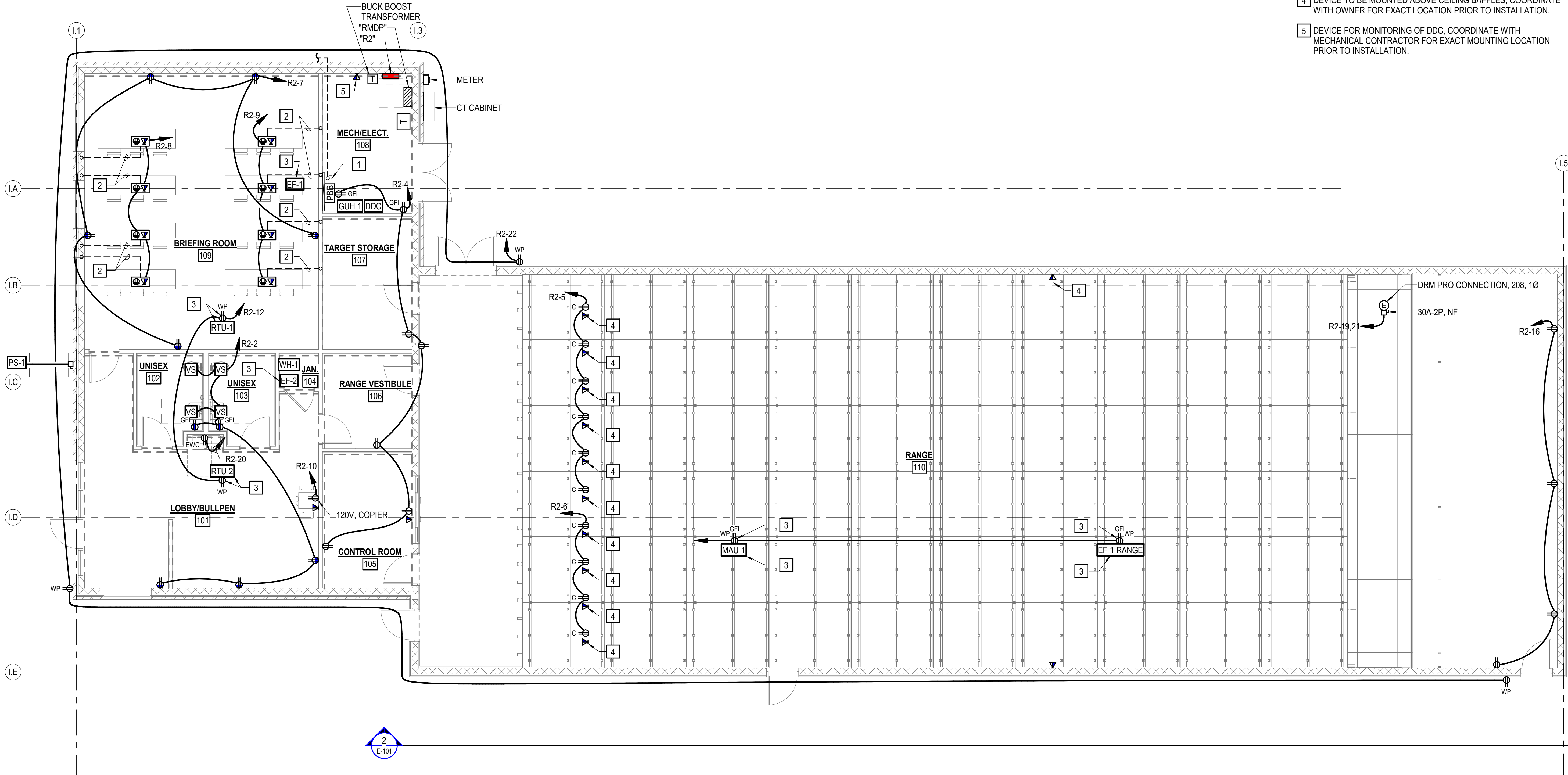
POWER AND SS  
FLOOR PLAN &  
SCHEDULES

Sheet Number

Or 157

Drawing Number

E-201



INDOOR RANGE POWER AND SPECIAL SYSTEMS FLOOR PLAN

SCALE: 3/16" = 1'-0"

| ELECTRICAL CONNECTION SCHEDULE - INDOOR RANGE |     |         |        |         |    |      |                |                      |       |
|---|-----|---------|--------|---------|----|------|----------------|----------------------|-------|
| TAG   | MCA | kW / HP | FLA    | VOLTAGE | Ø  | MOCP | CKT            | DISCONNECT           | NOTES |
| RTU-1   | 14  | -       | 11.2 A | 480 V   | 3Ø | 20   | RM DP-2,4,6    | 30A-2P, FU@20A, 3R   | 1     |
| RTU-2   | 11  | -       | 8.8 A  | 480 V   | 3Ø | 15   | RM DP-7,9,11   | 30A-2P, FU@15A, 3R   | 1     |
| EF-1  | -   | 1/8 HP  | 3 A    | 120 V   | 1Ø | -    | R2-11          | INTEGRAL DISCONNECT  | 1     |
| EF-2  | -   | 1/6HP   | 4.4 A  | 120 V   | 1Ø | -    | R2-13          | INTEGRAL DISCONNECT  | 1     |
| DDC   | -   | -       | 3 A    | 120 V   | 1Ø | -    | R2-25          | 30A-2P,NF            | 1     |
| EF-1-RANGE                                    | -   | 60 HP   | 77 A   | 480 V   | 3Ø | -    | RM DP-13,15,17 | 200A-3P, FU@150A, 3R | 1     |
| GUH-1   | -   | -       | 1 A    | 120 V   | 1Ø | -    | R2-14          | -                    | 1     |
| MAU-1   | 191 | -       | 183 A  | 480 V   | 3Ø | 200  | R2-24,26       | 200A-3P, FU@200A, 3R | 1     |
| PS-1  | -   | 2 HP    | 12 A   | 240 V   | 1Ø | -    | Buck boost-1   | 30A-2P,NF            | 1     |
| NOTES: I-1                                    | -   | 3KW     | 14.4 A | 208 V   | 1Ø | -    | R2-15,17       | 30A-2P,NF            | 1     |

1. COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH MECHANICAL SUB-CONTRACTOR AND APPROVED SHOP DRAWINGS.

2. PROVIDE WITH 208V - 240V BUCK BOOST TRANSFORMER.

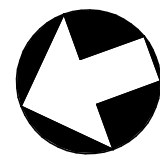
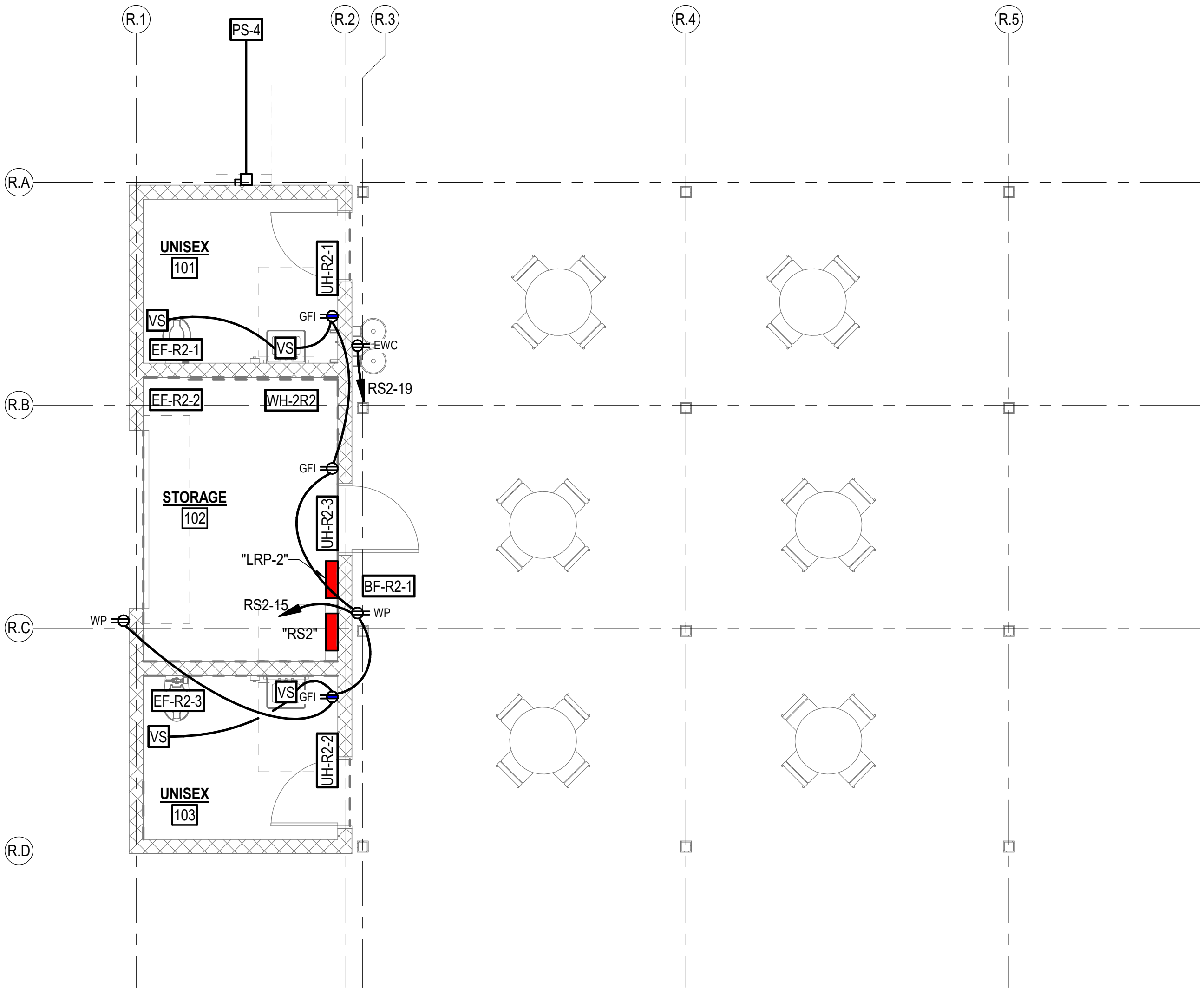
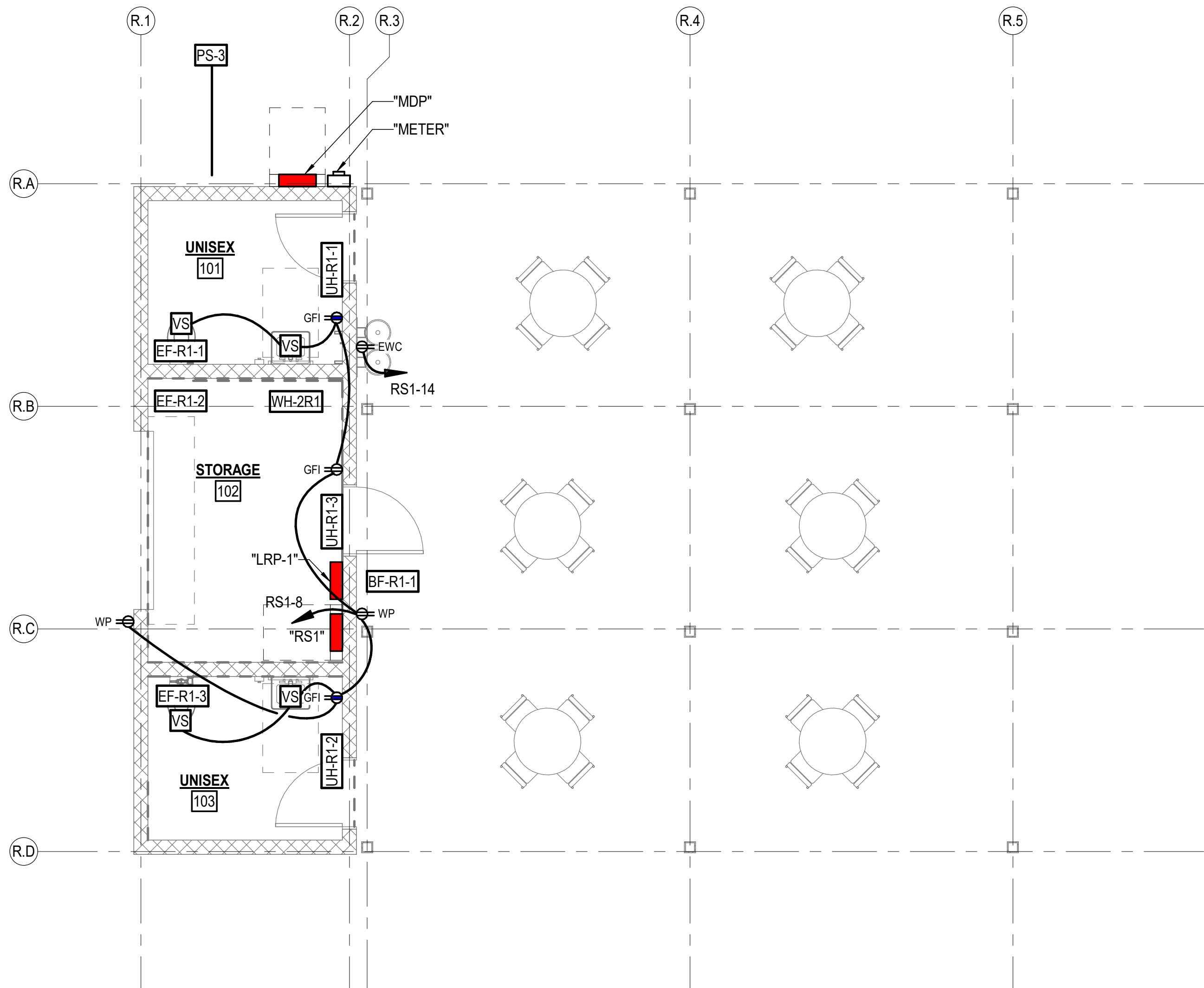
BID ALTERNATE 06:

WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH BID ALTERNATE 06. REFER TO SHEET G1001 SECTION "ADDITIVE BID ALTERNATES" FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE(S)

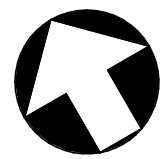






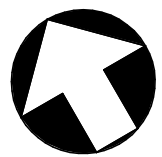
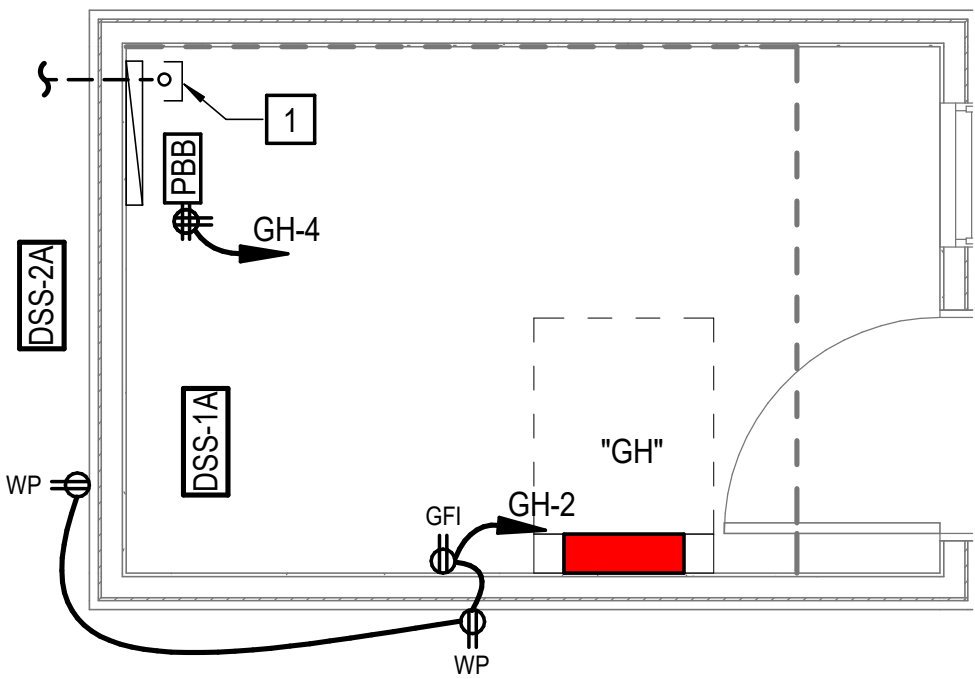
REHAB SHELTER 1 POWER PLAN

SCALE: 1/4" = 1'-0"



REHAB SHELTER 2 POWER PLAN

SCALE: 1/4" = 1'-0"



GATEHOUSE POWER AND SPECIAL SYSTEMS PLAN

SCALE: 3/8" = 1'-0"

| ELECTRICAL CONNECTION SCHEDULE - REHAB SHELTER 1 |     |         |        |         |    |      |           |                     |       |
|--|-----|---------|--------|---------|----|------|-----------|---------------------|-------|
| TAG  | MCA | kW / HP | FLA    | VOLTAGE | Ø  | MOCP | CKT       | DISCONNECT          | NOTES |
| BF-R1-1  | -   | 1/2 HP  | 9.8 A  | 120 V   | 1Ø | -    | RS1-12    | 30A-2P,NF           | 1     |
| UH-R1-1  | -   | -       | 7.5 A  | 120 V   | 1Ø | -    | RS1-5     | MOTOR RATED SWITCH  | 1     |
| UH-R1-2  | -   | -       | 7.5 A  | 120 V   | 1Ø | -    | RS1-7     | MOTOR RATED SWITCH  | 1     |
| UH-R1-3  | -   | -       | 10.4 A | 120 V   | 1Ø | -    | RS1-9     | MOTOR RATED SWITCH  | 1     |
| EF-R1-1  | -   | -       | 0.1 A  | 120 V   | 1Ø | -    | RS1-6     | INTEGRAL DISCONNECT | 1     |
| EF-R1-2  | -   | -       | 0.1 A  | 120 V   | 1Ø | -    | RS1-10    | INTEGRAL DISCONNECT | 1     |
| EF-R1-3  | -   | -       | 0.2 A  | 120 V   | 1Ø | -    | RS1-6     | INTEGRAL DISCONNECT | 1     |
| PS-3   | -   | 2 HP    | 12 A   | 240 V   | 1Ø | -    |           | 30A-2P,NF           | 1     |
| WH-2R1   | -   | 2KW     | 8.3 A  | 240 V   | 1Ø | -    | RS1-11,13 | 30A-2P,NF           | 1     |

NOTES:  
1. COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH MECHANICAL SUB-CONTRACTOR AND APPROVED SHOP DRAWINGS.

| ELECTRICAL CONNECTION SCHEDULE - REHAB SHELTER 2 |     |         |        |         |    |      |           |                     |       |
|--|-----|---------|--------|---------|----|------|-----------|---------------------|-------|
| TAG  | MCA | kW / HP | FLA    | VOLTAGE | Ø  | MOCP | CKT       | DISCONNECT          | NOTES |
| BF-R2-1  | -   | 1/2 HP  | 9.8 A  | 120 V   | 1Ø | -    | RS2-18    | 30A-2P,NF           | 1     |
| UH-R2-1  | -   | -       | 7.5 A  | 120 V   | 1Ø | -    | RS2-11    | MOTOR RATED SWITCH  | 1     |
| UH-R2-2  | -   | -       | 7.5 A  | 120 V   | 1Ø | -    | RS2-13    | MOTOR RATED SWITCH  | 1     |
| UH-R2-3  | -   | -       | 10.4 A | 120 V   | 1Ø | -    | RS2-17    | MOTOR RATED SWITCH  | 1     |
| EF-R2-1  | -   | -       | 0.1 A  | 120 V   | 1Ø | -    | RS2-10    | INTEGRAL DISCONNECT | 1     |
| EF-R2-2  | -   | -       | 0.1 A  | 120 V   | 1Ø | -    | RS2-12    | INTEGRAL DISCONNECT | 1     |
| EF-R2-3  | -   | -       | 0.2 A  | 120 V   | 1Ø | -    | RS2-10    | INTEGRAL DISCONNECT | 1     |
| PS-4   | -   | 2 HP    | 12 A   | 240 V   | 1Ø | -    |           | 30A-2P,NF           | 1     |
| WH-2R2   | -   | 2KW     | 8.3 A  | 240 V   | 1Ø | -    | RS2-14,16 | 30A-2P,NF           | 1     |

NOTES:  
1. COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH MECHANICAL SUB-CONTRACTOR AND APPROVED SHOP DRAWINGS.

| ELECTRICAL CONNECTION SCHEDULE - GUARD HOUSE |     |         |       |         |    |      |        |               |       |
|--|-----|---------|-------|---------|----|------|--------|---------------|-------|
| TAG  | MCA | kW / HP | FLA   | VOLTAGE | Ø  | MOCP | CKT    | DISCONNECT    | NOTES |
| DSS-1A                                       | -   | -       | 1 A   | 240 V   | 1Ø | -    |        | 30A-2P,NF     | 1,2   |
| DSS-2A                                       | 11  | -       | 8.8 A | 240 V   | 1Ø | 28   | GH-3,5 | 30A-2P,NF, 3R | 1,2   |

NOTES:  
1. COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH MECHANICAL SUB-CONTRACTOR AND APPROVED SHOP DRAWINGS.  
2. INTERCONNECT DSS-1A (INDOOR UNIT) TO DSS-2A (OUTDOOR UNIT) PER MANUFACTURER'S RECOMMENDATIONS

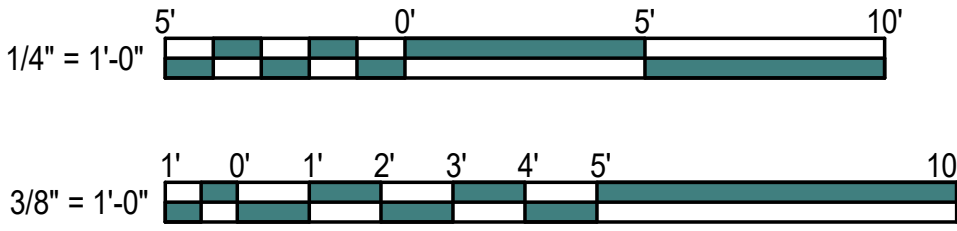
NOTES THIS SHEET

- 1 (1) 2" C., SCHEDULE 40 PVC WITH PULL STRING TO PULLBOX, REFER TO SITE PLAN, SHEET E-002 FOR ADDITIONAL INFORMATION.

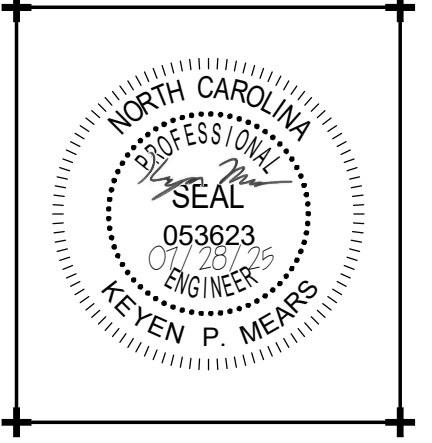
BID ALTERNATES 03 AND 05:

WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH BID ALTERNATES 03 AND 05. REFER TO SHEET G1001 SECTION "ADDITIVE BID ALTERNATES" FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE(S)



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BID DOCUMENTS  
SCO # 24-27879-01A

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Project Number  
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Drawing Title

POWER AND SS  
FLOOR PLANS &  
SCHEDULES

Sheet Number  
Or 157  
Drawing Number

E-202

NOTES THIS SHEET

- 1

(2) 2" C., SCHEDULE 40 PVC WITH PULL STRING TO PULLBOX, REFER TO SITE PLAN, SHEET E-002 FOR ADDITIONAL INFORMATION.
- 2

MODULAR CLASSROOM PANEL FEEDER FROM PANELBOARD MDP. REFER TO RISER DIAGRAM FOR FEEDER DETAILS. COORDINATE EXACT PANEL CONNECTION LOCATION WITH CLASSROOM PROVIDER.



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Date

07/28/25

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Drawing Title

MODULAR  
CLASSROOM  
POWER & SS PLAN

Sheet Number  
Or 157

Drawing Number  
E-203



MODULAR CLASSROOM POWER AND SPECIAL SYSTEMS PLAN

SCALE: 1/4" = 1'-0"

| ELECTRICAL CONNECTION SCHEDULE - PUMP STATION |     |         |      |         |    |      |     |            |       |
|---|-----|---------|------|---------|----|------|-----|------------|-------|
| TAG   | MCA | KW / HP | FLA  | VOLTAGE | Ø  | MOCP | CKT | DISCONNECT | NOTES |
| PS-2  | -   | 2 HP    | 12 A | 240 V   | 1Ø | -    |     | 30A-2P,NF  | 1     |

BID ALTERNATE 02:

WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH BID ALTERNATE 02. REFER TO SHEET G1001 SECTION "ADDITIVE BID ALTERNATES" FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE(S)







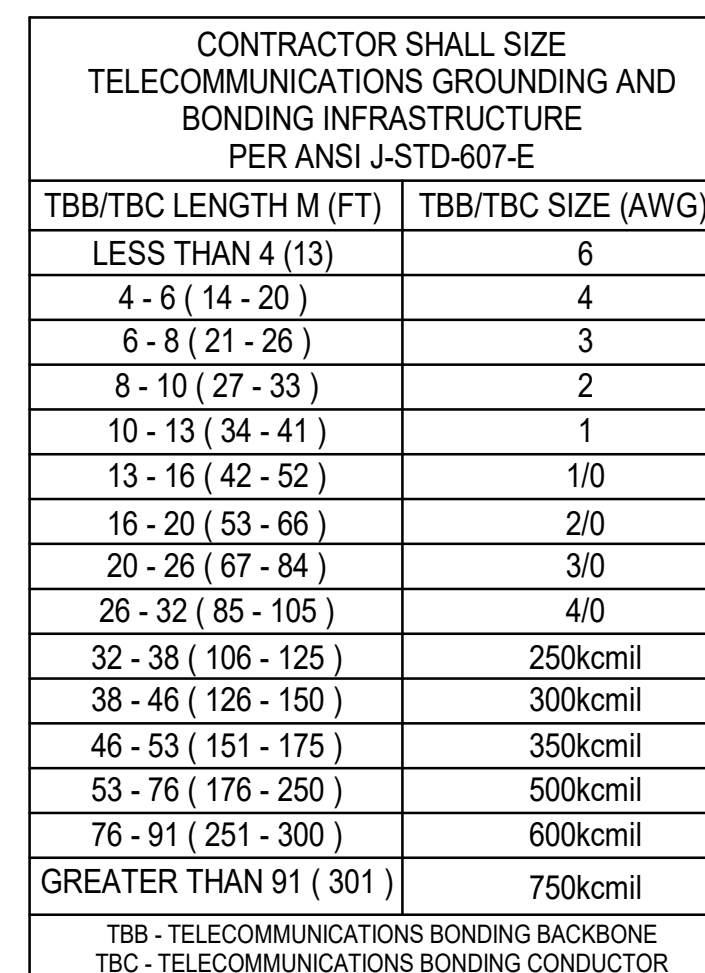
1. NOMINAL INSIDE DIMENSIONS: (18"W X 30L") X 24"D (BOX EXTENSIONS ARE ACCEPTABLE AS NECESSARY TO OBTAIN REQUIRED DEPTH).
2. CONSTRUCTED OF POLYMER CONCRETE OR REINFORCED FIBERGLASS.
3. LOAD DESIGN: 8000 LB LOAD OVER A 10" SQUARE.
4. STANDARD GREEN COLOR.

NO SCALE

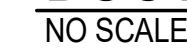


1. DO NOT EXCEED 80% OF THE MANUFACTURER'S MAXIMUM FILL CAPACITY. PROVIDE THIS INFORMATION WITHIN SUBMITTALS FOR VERIFICATION. PROVIDE ADDITIONAL TIERS AS REQUIRED TO ENSURE ALL CABLES ARE PROPERLY SUPPORTED.

NO SCALE



NO SCALE



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New Bern, NC 28562**

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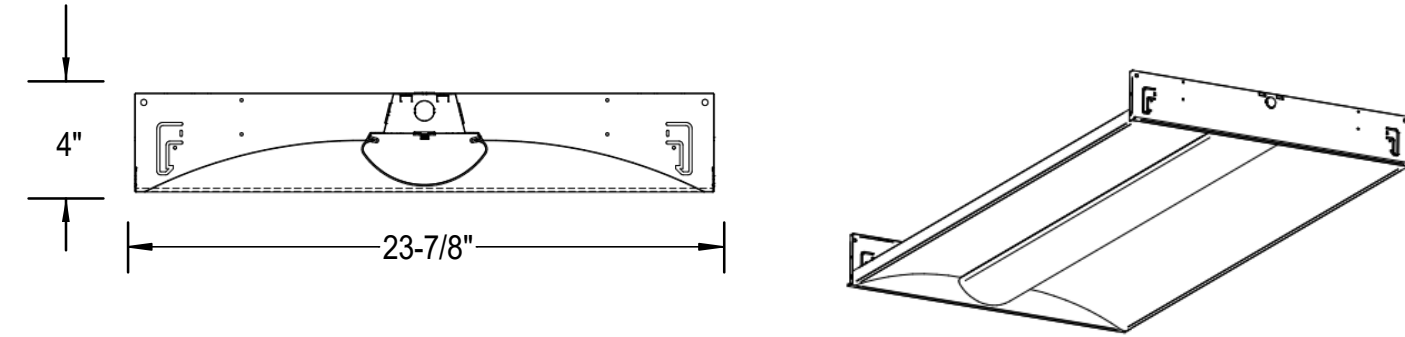
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## DETAILS


Sheet Number  
Of 157  
Drawing Number

E-501






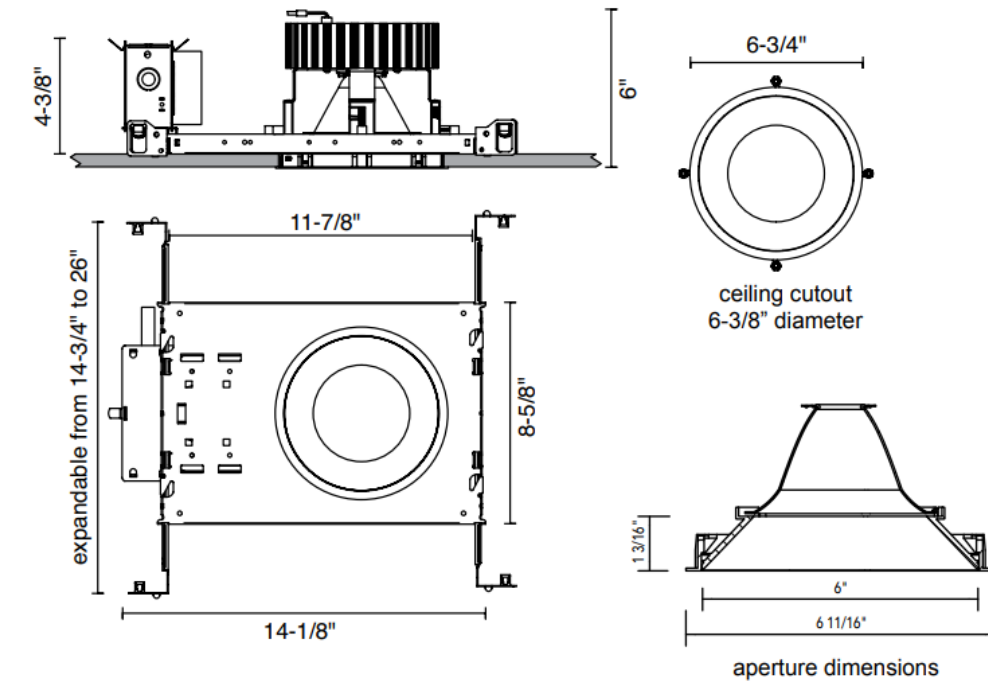
LUMINAIRE DESCRIPTION:

1. HOUSING SHALL BE DIE FORMED CODE GAUGE COLD ROLLED STEEL.
2. LENS SHALL BE CURVED ACRYLIC.
3. FINISH SHALL BE MATTE WHITE PAINT.
4. FIXTURE SHALL HAVE HIGH PERFORMANCE LED DRIVER.
5. FIXTURE SHALL BE UL LISTED, SUITABLE FOR DAMP LOCATIONS.
6. PROVIDE FIXTURE WITH 0-10VDC DIMMING TO 1%.
7. PROVIDE BATTERY BACK-UP WHERE INDICATED. 



DETAIL BASED ON COLUMBIA LIGHTING, "LCAT24" SERIES

| TYPE  | LUMENS | LAMP TYPE | INPUT WATTS | VOLTAGE | MOUNTING          |
|---|--------|-----------|-------------|---------|-------------------|
|  | 3,626  | 4000K LED | 26.4        | 120     | RECESSED, CEILING |


## LED RECESSED TROFFER



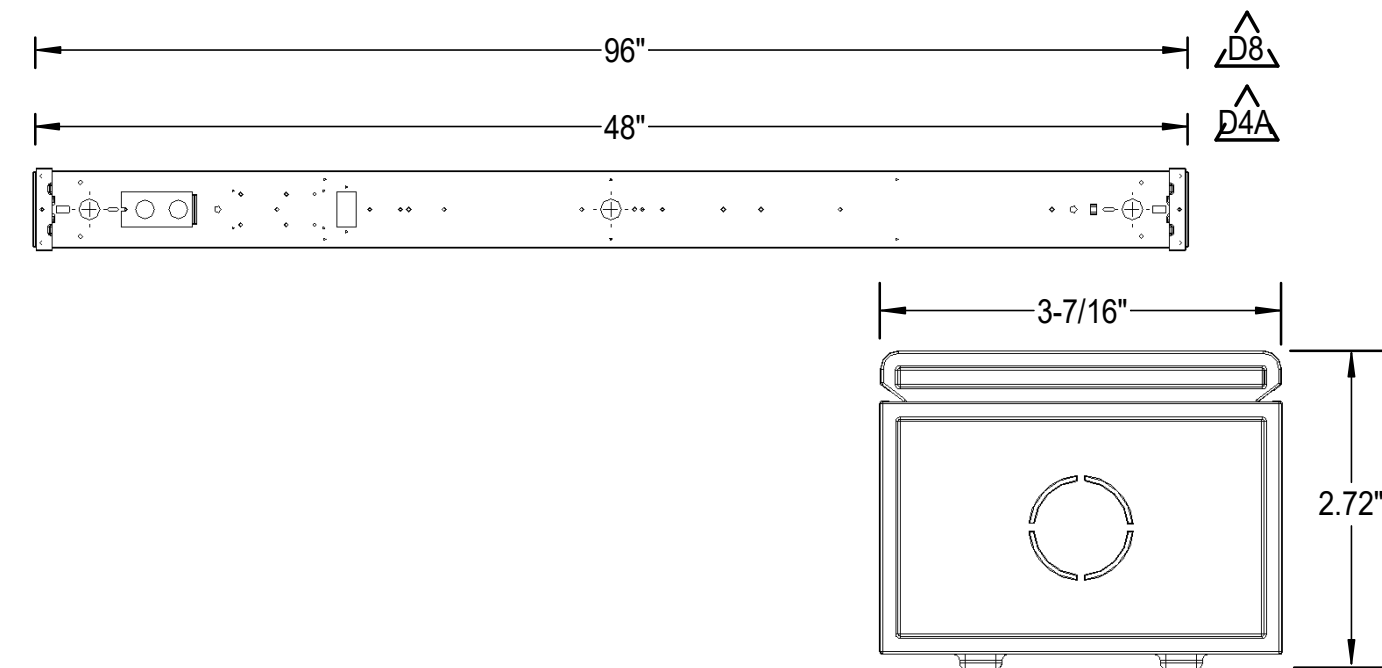
LUMINAIRE DESCRIPTION:

1. HOUSING SHALL BE 16 GAUGE COLD ROLLED STEEL.
2. PROVIDE REFLECTOR DIE-FORMED OF 0.40 LOW IRIDESCENT ALUMINUM AND SELF-FLANGED WITH 70° DISTRIBUTION.
3. FIXTURE TRIM AND BEZEL SHALL BE WHITE.
4. HIGH-EFFICIENCY, INTEGRAL ELECTRONIC LED DRIVER. PROVIDE WITH 0-10VDC DIMMING TO 10%.
5. FIXTURE SHALL BE UL LISTED, SUITABLE FOR DAMP LOCATION AND IC RATED.
6. PROVIDE BATTERY BACK-UP WHERE INDICATED. 
7. FIXTURE TYPE  SHALL BE ADJUSTABLE TYPE SUITABLE FOR SLANTED CEILINGS.

DETAIL BASED ON ALPHABET, "NU6RD" SERIES

| TYPE  | LUMENS | LAMP TYPE | INPUT WATTS | VOLTAGE | MOUNTING          |
|---|--------|-----------|-------------|---------|-------------------|
|  | 2,540  | 4000K LED | 26          | 120     | RECESSED, CEILING |



## RECESSED 6" LED OPEN DOWNLIGHT



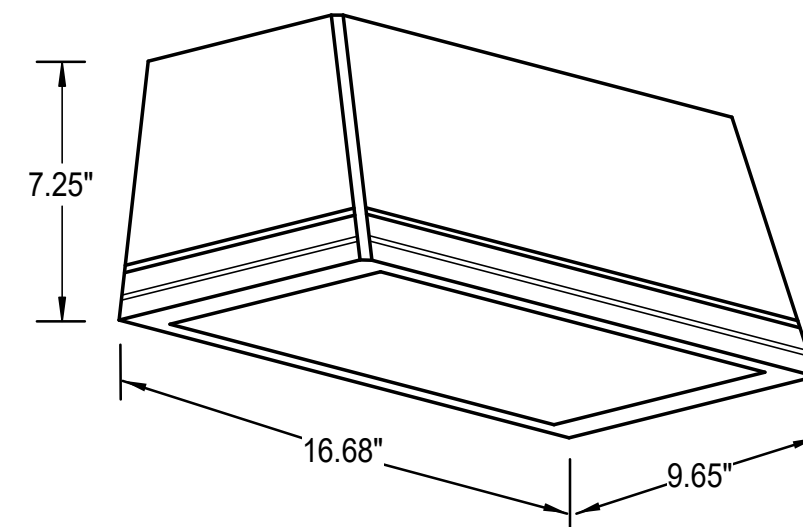
LUMINAIRE DESCRIPTION:

1. CHANNEL AND COVER ARE CODE GAUGE, COLD-ROLLED STEEL CONSTRUCTION. HOUSING AND LENS ENDOCARPS ARE MOLDED PLASTIC. FIXTURE SHALL HAVE A HIGH-GLOSS, BAKED, WHITE POLYESTER FINISH.
2. FIXTURE SHALL HAVE A FLAT DIFFUSE, ACRYLIC LENS.
3. LENS DRIVER SHALL BE STANDARD EFFICIENCY, ELECTRONIC, MULTIVOLT, DIMMABLE AT 0-10V, AND A MINIMUM OF CRI 80.
4. CSA CERTIFIED TO U.S. AND CANADIAN STANDARDS AND LISTED FOR USE IN DAMP LOCATIONS.
5. FIXTURE TYPE D4A SHALL BE 48"
6. FIXTURE TYPE D8 SHALL BE 96"

DETAIL BASED ON COLUMBIA LIGHTING, "MPS" SERIES

| TYPE  | LUMENS | LAMP TYPE | INPUT WATTS | VOLTAGE | MOUNTING                           |
|---|--------|-----------|-------------|---------|------------------------------------|
|  | 2,573  | 4000K LED | 18.1        | 120     | PENDANT MOUNTED CABLE AT 8'-0" AFF |
|  | 5,146  | 4000K LED | 36.2        | 120     | SURFACE, CEILING                   |


## LED LENSED STRIP



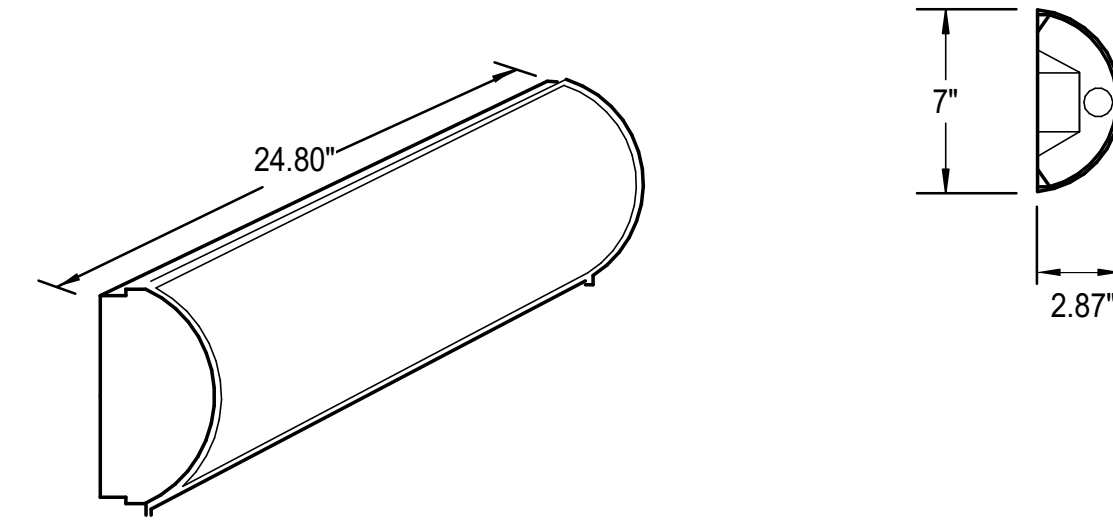
LUMINAIRE DESCRIPTION:

1. FIXTURE SHALL BE DIE-CAST ALUMINUM HOUSING.
2. FINISH SHALL BE SELECTED BY ARCHITECT.
3. FIXTURE SHALL HAVE TYPE IV DISTRIBUTION.
4. FIXTURE SHALL BE UL LISTED FOR WET LOCATIONS.
5. PROVIDE WITH BUTTON PHOTOCONTROL.
6. PROVIDE INTEGRAL BATTERY BACK-UP WHERE INDICATED.  
BATTERY BACK-UP SHALL HAVE INDEPENDENT SECONDARY  
DRIVER TO COMPLY WITH NEC 700.16

DETAIL BASED ON CURRENT LIGHTING, "TRP2" SERIES

| TYPE  | LUMENS | LAMP TYPE | INPUT WATTS | VOLTAGE | MOUNTING                  |
|---|--------|-----------|-------------|---------|---------------------------|
|  | 4,233  | 4000K LED | 32.1        | 120     | SURFACE, WALL, 12'-0" AFG |


## LED WALLPACK



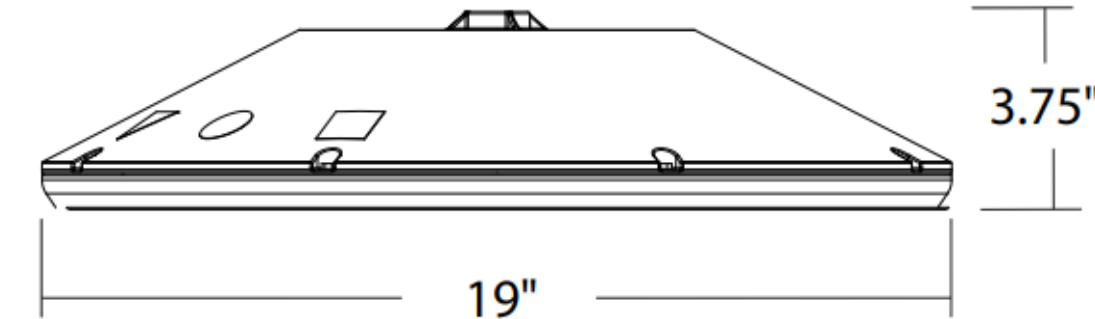
LUMINAIRE DESCRIPTION:

1. HOUSING SHALL BE PAINTED OR PLATED SOLID ALUMINUM WITH A 1/8" MATTE WHITE EXTRUDED ACRYLIC PANEL
2. FIXTURE SHALL UTILIZE AN ELECTRONIC DRIVER
3. THE LENS SHALL BE HIGH IMPACT PEARLESCENT ACRYLIC, SMOOTH EXTERIOR, LINEAR PRISMATIC INTERIOR, NOMINAL THICKNESS .156". LENS SHALL LOCK IN PLACE WITH TAMPER-RESISTANT STAINLESS STEEL POSIGRIP FASTENERS.
4. FIXTURE SHALL BE UL LISTED FOR DAMP LOCATIONS.

DETAIL BASED ON KENALL LIGHTING, "RHL7" SERIES

| TYPE  | LUMENS | LAMP TYPE | INPUT WATTS | VOLTAGE | MOUNTING            |
|---|--------|-----------|-------------|---------|---------------------|
|  | 2,702  | 4000K LED | 25          | 120     | SURFACE MOUNT, WALL |


2' LED VANITY



LUMINAIRE DESCRIPTION:

1. HOUSING SHALL BE DIE-CAST ALUMINUM.
2. LENS SHALL BE PRISMATIC ACRYLIC LENS.
3. DRIVER SHALL BE HIGH PERFORMANCE LED DRIVER.
4. FINISH SHALL POWDER COATED PAINTED.
5. FIXTURE SHALL BE IP 66 RATED.
6. PROVIDE FIXTURE WITH INTEGRAL MOTION SENSOR THAT DIMS THE TOTAL LIGHT OUTPUT OF THE FIXTURE BY 50%.

DETAIL BASED ON LITHONIA LIGHTING, "VCPG" SERIES

| TYPE  | LUMENS | LAMP TYPE | INPUT WATTS | VOLTAGE | MOUNTING         |
|---|--------|-----------|-------------|---------|------------------|
|  | 3,681  | 4000K LED | 27          | 120/277 | SURFACE, CEILING |

## PARKING GARAGE LIGHT



**CRAVEN  
COMMUNITY  
COLLEGE-  
PUBLIC SAFETY  
TRAINING  
CENTER**

**525 Executive Pkwy  
New Bern, NC 28562**

## BID DOCUMENTS

**SCO # 24-27879-01A**

[illegible]

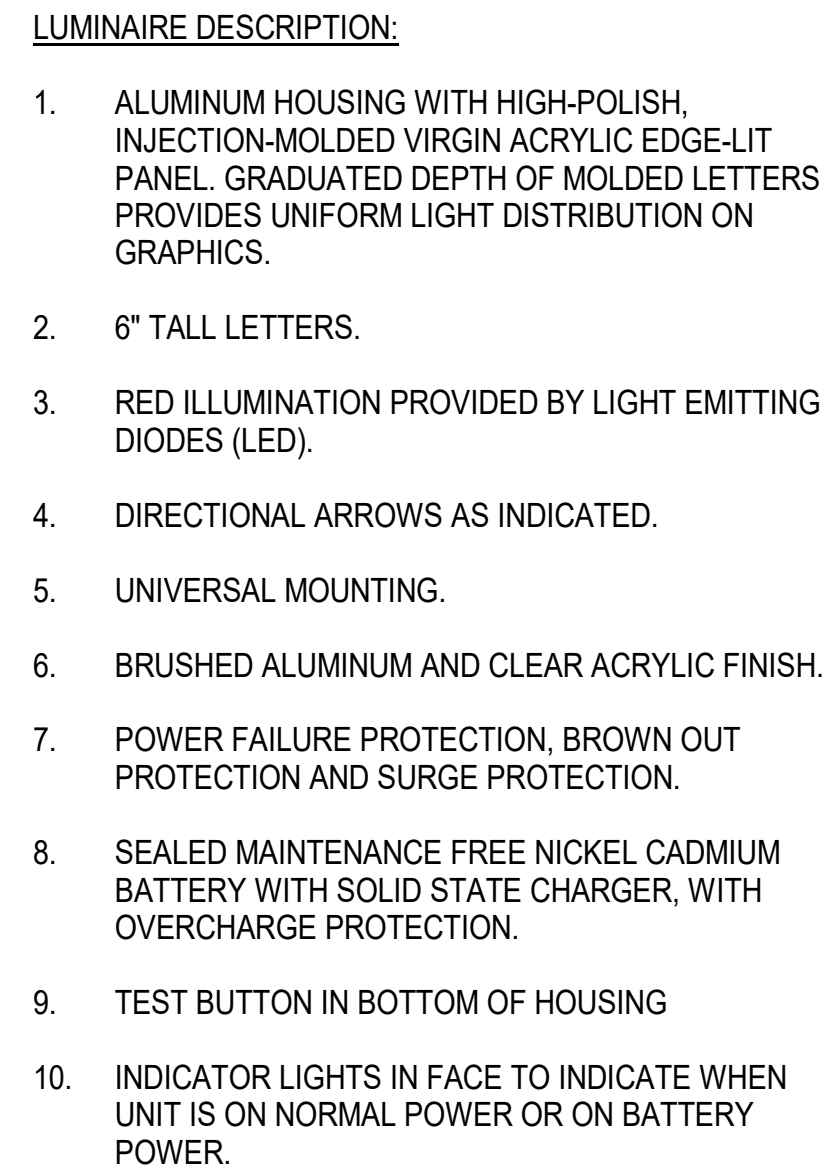
|                |          |
|----------------|----------|
| Project Number | Date     |
| 2407.SAFE      | 07/28/25 |
| Drawn          | Checked  |
| BWS            | JEB      |
| Scale          |          |
| AS NOTED       |          |
| Drawing Title  |          |

## DETAILS

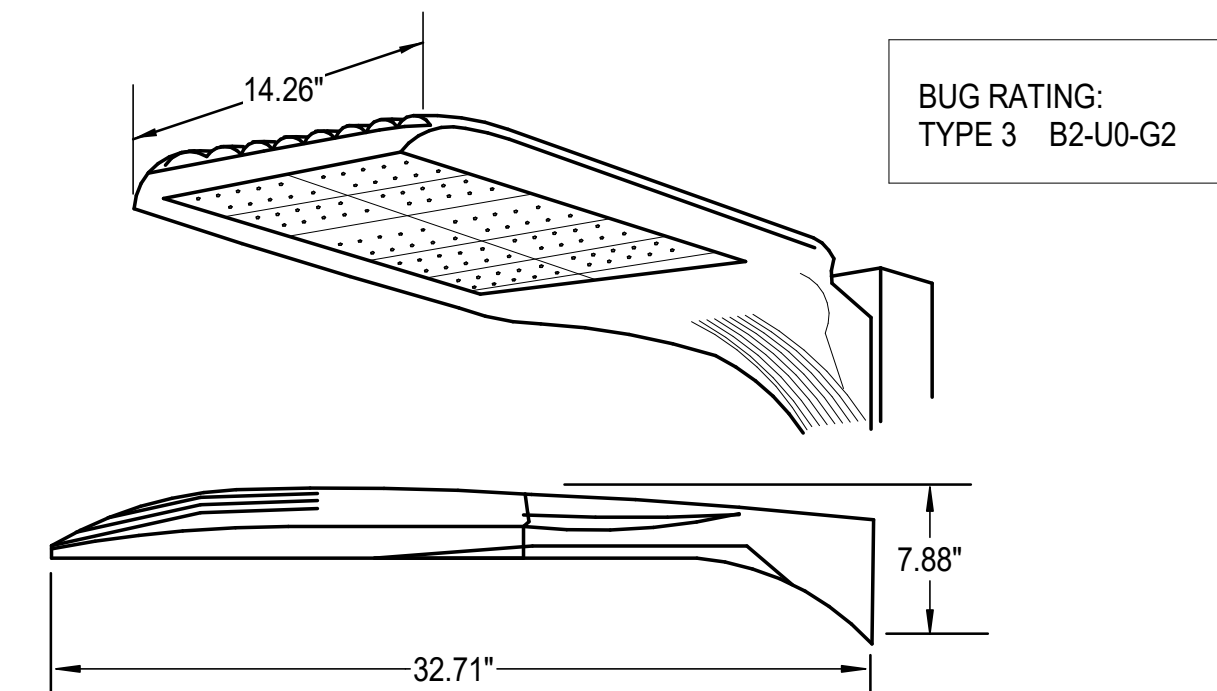
Sheet Number  
Of 157  
Drawing Number

E-502




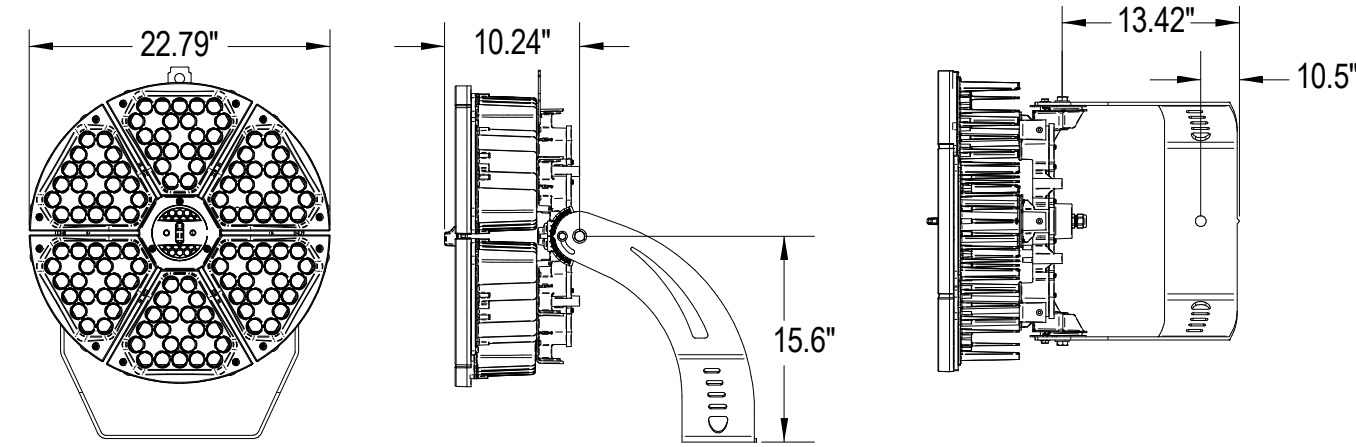


| TYPE  | LAMP TYPE | INPUT WATTS | VOLTAGE | MOUNTING                        |
|---|-----------|-------------|---------|---------------------------------|
|   | LED       | 5           | 120/277 | CEILING, WALL; UNIVERSAL MOUNT. |




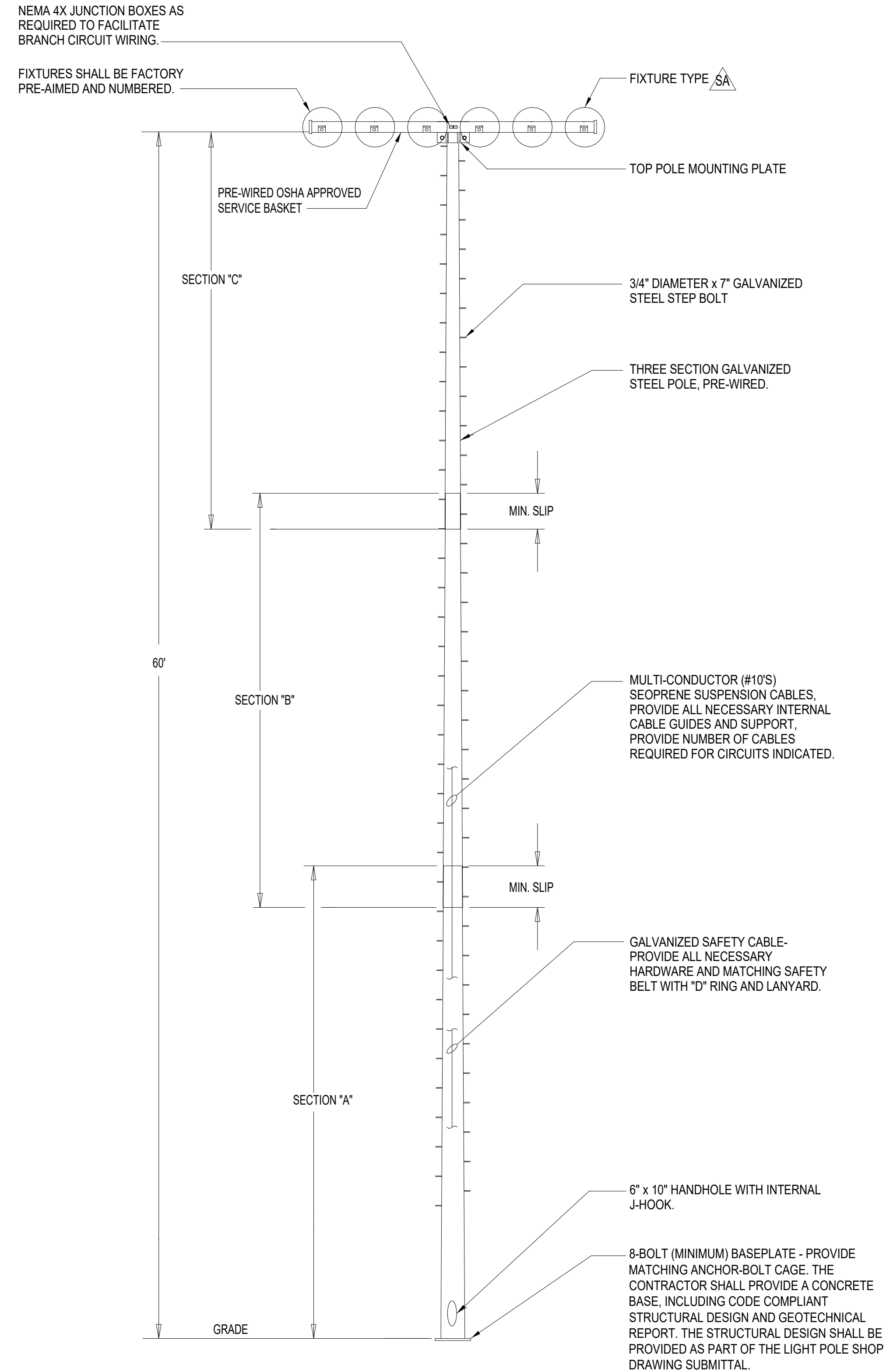
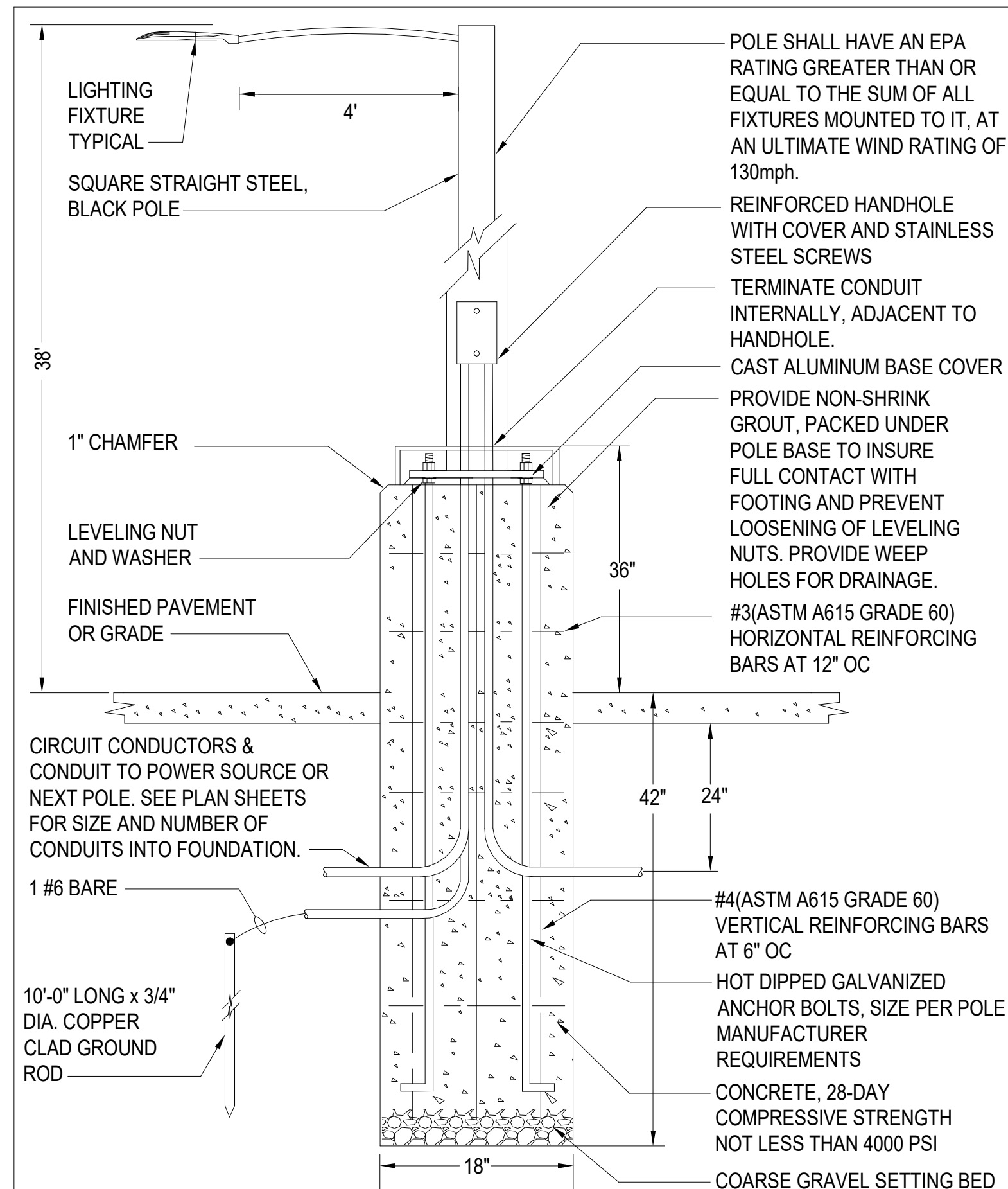
1. HOUSING: SINGLE PIECE DIE-CAST ALUMINUM.
2. DR1000MmA POWER FACTOR > 90% AND THD < 20%.
3. FIXTURE HAS 2 LIGHT ENGINES - 4000K, 70 CRI MOUNTED TO A METAL-CORE CIRCUIT BOARD AND ALUMINUM HEAT SINK.
4. REFLECTOR: FORMED ANODIZED ALUMINUM.
5. OPTICS: PRECISION-MOLDED ACRYLIC LENSES.
6. FINISH: ELECTROSTATIC POWDER COATING. FINISH COLOR SHALL BE BLACK.
7. RATINGS: UL LISTED FOR WET LOCATIONS. EPA: 1.2, ENCLOSURE CLASSIFIED IP66 PER IEC 529 AND TESTED IN ACCORDANCE WITH IESNA LM-79 AND LM-80 STANDARDS.

| TYPE  | LUMENS | DISTRIBUTION TYPE | INPUT WATTS | VOLTAGE  | MOUNTING              |
|---|--------|-------------------|-------------|----------|-----------------------|
|  | 26,597 | TYPE III          | 179         | 120/240V | POLE MOUNTED, 25' AFG |



1. HOUSING: DIE CAST ALUMINUM. ALL HARDWARE IS STAINLESS STEEL.
2. DRIVER: (1) REMOTE MOUNTED ENGINE WITH POWER FACTOR >90% AND THD <20%.
3. LEDS: MINIMUM CRI OF 70.
4. FINISH: UV STABILIZED POLYESTER POWDER COATING.
5. RATINGS: - 40°C TO 25° OPERATING TEMPERATURE RANGE. 20KA SURGE PROTECTION. LISTED TO UL1598. TESTED IN ACCORDANCE WITH IESNA LM-79 AND LM-80 STANDARDS.
6. MOUNTING: PROVIDE WITH HEAVY DUTY YOKE MOUNT TO ALLOW FOR HORIZONTAL AND VERTICAL AIMING.
7. PROGRAMMING OF CONTROLS SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE.

| TYPE  | LUMENS | LAMP TYPE | INPUT WATTS | VOLTS | MOUNTING  |
|---|--------|-----------|-------------|-------|---|
|  | 90,000 | 4000K LED | 740W        | 240   | POLAR MOUNTED. REFER TO ASSOCIATED POLE DETAIL FOR HEIGHT |



**525 Executive Pkwy  
New Bern, NC 28562**

[illegible]

# E-503









| PANELBOARD MDP SCHEDULE |           |
|-------------------------|-----------|
| 1                       | 10/1/2024 |
| 2                       | 10/1/2024 |
| 3                       | 10/1/2024 |
| 4                       | 10/1/2024 |
| 5                       | 10/1/2024 |
| 6                       | 10/1/2024 |
| 7                       | 10/1/2024 |
| 8                       | 10/1/2024 |
| 9                       | 10/1/2024 |
| 10                      | 10/1/2024 |
| 11                      | 10/1/2024 |
| 12                      | 10/1/2024 |
| 13                      | 10/1/2024 |
| 14                      | 10/1/2024 |
| 15                      | 10/1/2024 |
| 16                      | 10/1/2024 |
| 17                      | 10/1/2024 |
| 18                      | 10/1/2024 |
| 19                      | 10/1/2024 |
| 20                      | 10/1/2024 |
| 21                      | 10/1/2024 |
| 22                      | 10/1/2024 |
| 23                      | 10/1/2024 |
| 24                      | 10/1/2024 |
| 25                      | 10/1/2024 |
| 26                      | 10/1/2024 |
| 27                      | 10/1/2024 |
| 28                      | 10/1/2024 |
| 29                      | 10/1/2024 |
| 30                      | 10/1/2024 |
| 31                      | 10/1/2024 |
| 32                      | 10/1/2024 |
| 33                      | 10/1/2024 |
| 34                      | 10/1/2024 |
| 35                      | 10/1/2024 |
| 36                      | 10/1/2024 |
| 37                      | 10/1/2024 |
| 38                      | 10/1/2024 |
| 39                      | 10/1/2024 |
| 40                      | 10/1/2024 |
| 41                      | 10/1/2024 |
| 42                      | 10/1/2024 |
| 43                      | 10/1/2024 |
| 44                      | 10/1/2024 |
| 45                      | 10/1/2024 |
| 46                      | 10/1/2024 |
| 47                      | 10/1/2024 |
| 48                      | 10/1/2024 |
| 49                      | 10/1/2024 |
| 50                      | 10/1/2024 |
| 51                      | 10/1/2024 |
| 52                      | 10/1/2024 |
| 53                      | 10/1/2024 |
| 54                      | 10/1/2024 |
| 55                      | 10/1/2024 |
| 56                      | 10/1/2024 |
| 57                      | 10/1/2024 |
| 58                      | 10/1/2024 |
| 59                      | 10/1/2024 |
| 60                      | 10/1/2024 |
| 61                      | 10/1/2024 |
| 62                      | 10/1/2024 |
| 63                      | 10/1/2024 |
| 64                      | 10/1/2024 |
| 65                      | 10/1/2024 |
| 66                      | 10/1/2024 |
| 67                      | 10/1/2024 |
| 68                      | 10/1/2024 |
| 69                      | 10/1/2024 |
| 70                      | 10/1/2024 |
| 71                      | 10/1/2024 |
| 72                      | 10/1/2024 |
| 73                      | 10/1/2024 |
| 74                      | 10/1/2024 |
| 75                      | 10/1/2024 |
| 76                      | 10/1/2024 |
| 77                      | 10/1/2024 |
| 78                      | 10/1/2024 |
| 79                      | 10/1/2024 |
| 80                      | 10/1/2024 |
| 81                      | 10/1/2024 |
| 82                      | 10/1/2024 |
| 83                      | 10/1/2024 |
| 84                      | 10/1/2024 |
| 85                      | 10/1/2024 |
| 86                      | 10/1/2024 |
| 87                      | 10/1/2024 |
| 88                      | 10/1/2024 |
| 89                      | 10/1/2024 |
| 90                      | 10/1/2024 |
| 91                      | 10/1/2024 |
| 92                      | 10/1/2024 |
| 93                      | 10/1/2024 |
| 94                      | 10/1/2024 |
| 95                      | 10/1/2024 |
| 96                      | 10/1/2024 |
| 97                      | 10/1/2024 |
| 98                      | 10/1/2024 |
| 99                      | 10/1/2024 |
| 100                     | 10/1/2024 |

SEE POWER RISER DIAGRAM FOR RATINGS

| LOAD SERVED     | BRK TRP | NO. POLES | CKT NO. | WIRE AND CONDUIT SIZE      | A      | B      | A      | B      | WIRE AND CONDUIT SIZE | CKT NO. | NO. POLES | BRK TRP | LOAD SERVED       |
|-----------------|---------|-----------|---------|----------------------------|--------|--------|--------|--------|-----------------------|---------|-----------|---------|-------------------|
| RS1             | 20 A    | 2         | 1,3     | - SEE RISER DIAGRAM -      | 38.4 A |        | 54.8 A |        | - SEE RISER DIAGRAM - | 2,4     | 2         | 20 A    | RS2               |
| GH              | 20 A    | 2         | 5,7     | - SEE RISER DIAGRAM -      | 13.8 A |        | 0 A    | 46.5 A | --                    | 6       | 1         | 150 A   | MODULAR CLASSROOM |
|                 |         |           |         |                            |        | 11.8 A | 0 A    | 0 A    | --                    | 8       | 1         | 20 A    | SPARE             |
| SMOKE GENERATOR | 20 A    | 1         | 9       | 1-#4, 1-#4, 1-#4 GND - 1°C | 12 A   |        | 0 A    | 0 A    | --                    | 10      | 1         | 20 A    | SPARE             |
| SPD             | 60 A    | 2         | 11,13   | --                         |        | 0 A    | 0 A    | 0 A    | --                    | 12      | 1         | 20 A    | SPARE             |
|                 |         |           |         |                            |        | 0 A    | 0 A    | 0 A    | --                    | 14      | 1         | 20 A    | SPARE             |
| SPARE           | 20 A    | 1         | 15      | --                         |        | 0 A    | 0 A    | 0 A    | --                    | 16      | 1         | 20 A    | SPARE             |
| SPARE           | 20 A    | 1         | 17      | --                         | 0 A    |        | 0 A    |        | --                    | 18      | 1         | 20 A    | SPARE             |
| SPARE           | 20 A    | 1         | 19      | --                         | --     | 0 A    | 0 A    | 0 A    | --                    | 20      | 1         | 20 A    | SPARE             |
| SPARE           | 20 A    | 1         | 21      | --                         | 0 A    |        | 0 A    |        | --                    | 22      | 1         | 20 A    | SPARE             |
| SPARE           | 20 A    | 1         | 23      | --                         |        | 0 A    | 0 A    | 0 A    | --                    | 24      | 1         | 20 A    | SPARE             |

| TOTAL CONNECTED AMPS: A: 119 A B: 94.7 A |                |               |                  |                            |          |
|--|----------------|---------------|------------------|----------------------------|----------|
| Load Classification                      | Connected Load | Demand Factor | Estimated Demand | Panel Totals               |          |
| EXTERIOR LIGHTING                        | 4252 VA        | 125.00%       | 5315 VA          |                            |          |
| LIGHTING                                 | 10565 VA       | 100.00%       | 10565 VA         | Total Conn. Load:          | 25641 VA |
| LIGHTING                                 | 218 VA         | 125.00%       | 273 VA           | Total Est. Demand:         | 26759 VA |
| MISCELLANEOUS                            | 5520 VA        | 100.00%       | 5520 VA          | Total Conn. Current:       | 106.8 A  |
| PANELS                                   | 0 VA           | 0.00%         | 0 VA             | Total Est. Demand Current: | 111.5 A  |
| RECEPTACLES                              | 4980 VA        | 100.00%       | 4980 VA          |                            |          |
| VENTILATION                              | 106 VA         | 100.00%       | 106 VA           |                            |          |

**Notes:**

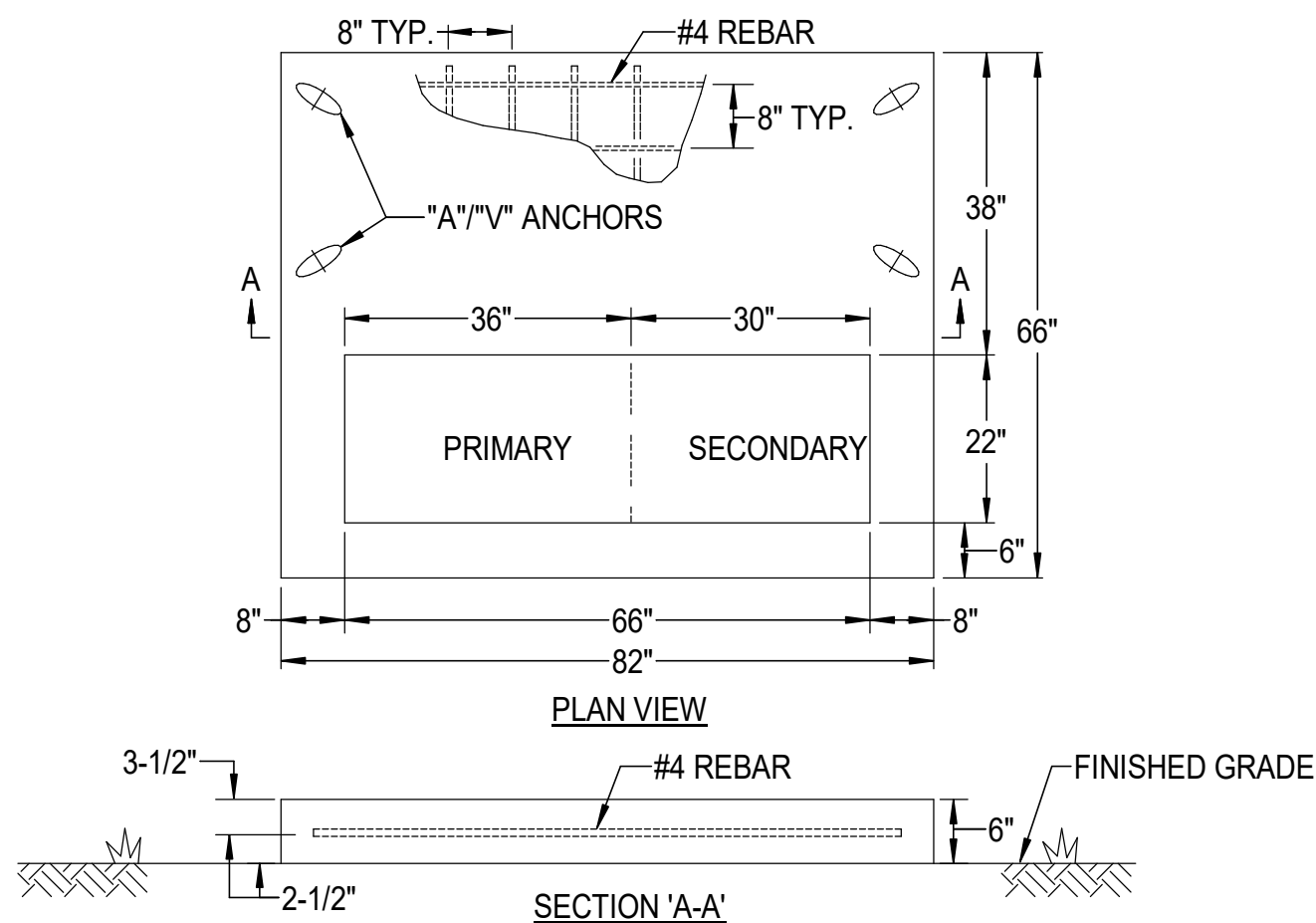
| PANELBOARD GH SCHEDULE |  |
|------------------------|--|
|------------------------|--|

SEE POWER RISER DIAGRAM FOR RATINGS

| LOAD SERVED | BRK TRP | NO. POLES | CKT NO. | WIRE AND CONDUIT SIZE          | A     | B   | A     | B | WIRE AND CONDUIT SIZE          | CKT NO. | NO. POLES | BRK TRP | LOAD SERVED            |
|-------------|---------|-----------|---------|--------------------------------|-------|-----|-------|---|--------------------------------|---------|-----------|---------|------------------------|
| LIGHTING    | 20 A    | 1         | 1       | 1-#12, 1-#12, 1-#12 GND - 1/2" | 0.5 A |     | 4.5 A |   | 1-#12, 1-#12, 1-#12 GND - 1/2" | 2       | 1         | 20 A    | RECEPTACLES            |
| DSS-2A/1A   | 25 A    | 2         | 3,5     | 2-#10, 1-#10 GND - 1/2"        | 8.8 A |     | 3 A   |   | 1-#12, 1-#12, 1-#12 GND - 1/2" | 4       | 1         | 20 A    | RECEPTACLES OFFICE 101 |
| SPARE       | 20 A    | 1         | 7       | --                             |       | 0 A | 0 A   |   | --                             | 6       | 1         | 20 A    | SPARE                  |
| SPARE       | 20 A    | 1         | 9       | --                             | 0 A   |     | 0 A   |   | --                             | 8       | 1         | 20 A    | SPARE                  |
| SPARE       | 20 A    | 1         | 11      | --                             |       | 0 A | 0 A   |   | --                             | 10      | 1         | 20 A    | SPARE                  |
| SPARE       | 20 A    | 1         | 13      | --                             | 0 A   |     | 0 A   |   | --                             | 12      | 1         | 20 A    | SPARE                  |
| SPARE       | 20 A    | 1         | 15      | --                             |       | 0 A | 0 A   |   | --                             | 14      | 1         | 20 A    | SPARE                  |
| SPARE       | 20 A    | 1         | 17      | --                             | 0 A   |     | 0 A   |   | --                             | 16      | 1         | 20 A    | SPARE                  |
| SPARE       | 20 A    | 1         | 19      | --                             |       | 0 A | 0 A   |   | --                             | 18      | 1         | 20 A    | SPARE                  |
| SPARE       | 20 A    | 1         | 21      | --                             | 0 A   |     | 0 A   |   | --                             | 20      | 1         | 20 A    | SPARE                  |
| SPARE       | 20 A    | 1         | 23      | --                             |       | 0 A | 0 A   |   | --                             | 22      | 1         | 20 A    | SPARE                  |
| SPARE       | 20 A    | 1         | 25      | --                             |       | 0 A | 0 A   |   | --                             | 24      | 1         | 20 A    | SPARE                  |

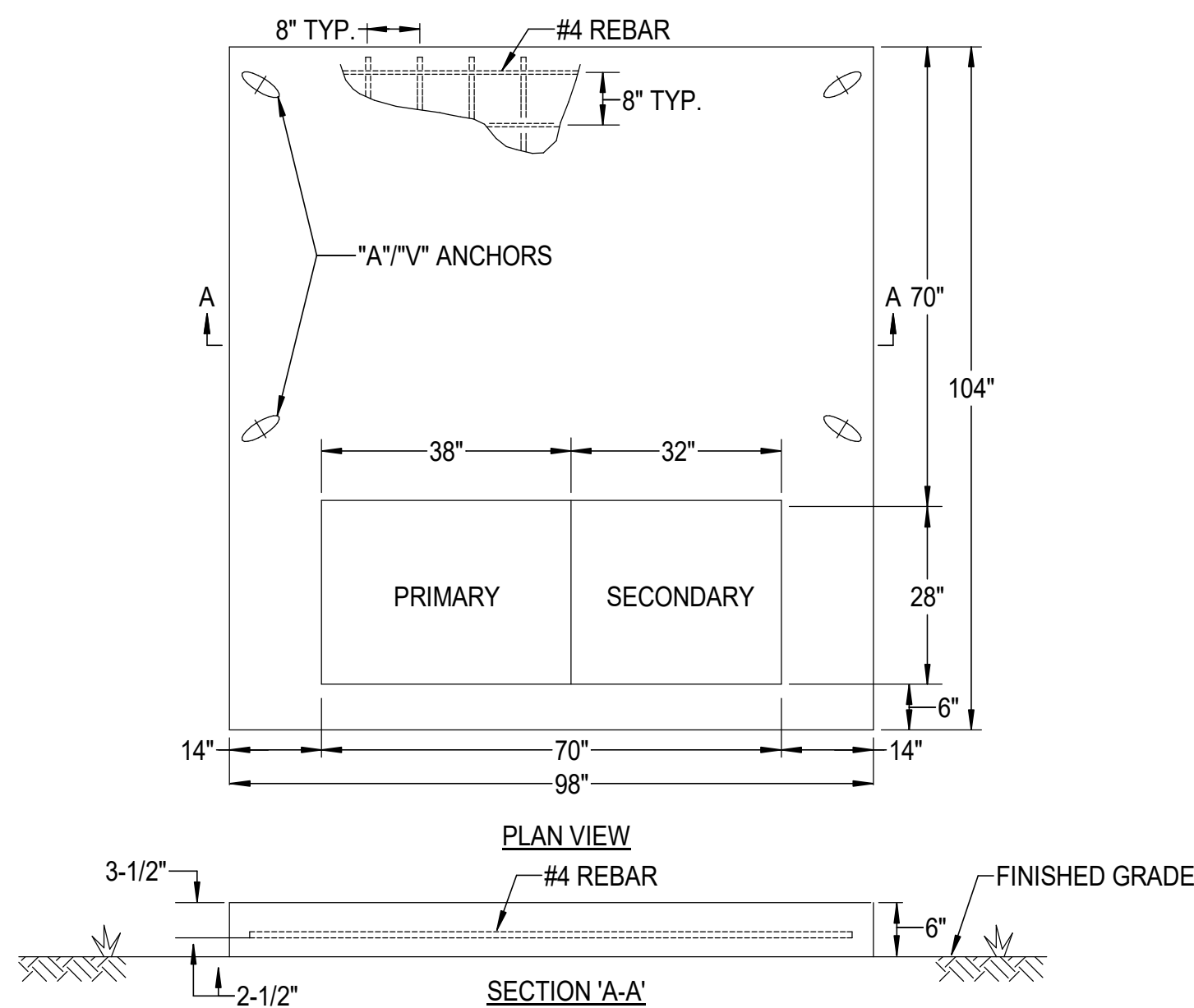
| TOTAL CONNECTED AMPS: A: 13.8 A B: 11.8 A |                |               |                  |  |
|---|----------------|---------------|------------------|--|
| Load Classification                       | Connected Load | Demand Factor | Estimated Demand | Panel Totals                             |
| EXTERIOR LIGHTING                         | 32 VA          | 125.00%       | 40 VA            |  |
| HEATING                                   | 2112 VA        | 100.00%       | 2112 VA          | <b>Total Conn. Load:</b> 3074 VA         |
| LIGHTING                                  | 30 VA          | 125.00%       | 38 VA            | <b>Total Est. Demand:</b> 3090 VA        |
| RECEPTACLES                               | 900 VA         | 100.00%       | 900 VA           | <b>Total Conn. Current:</b> 12.8 A       |
|   |                |               |                  | <b>Total Est. Demand Current:</b> 12.9 A |

**Notes:**



## CONCRETE PAD FOR SERVICE TRANSFORMER SERVING MDP

NO SCALE

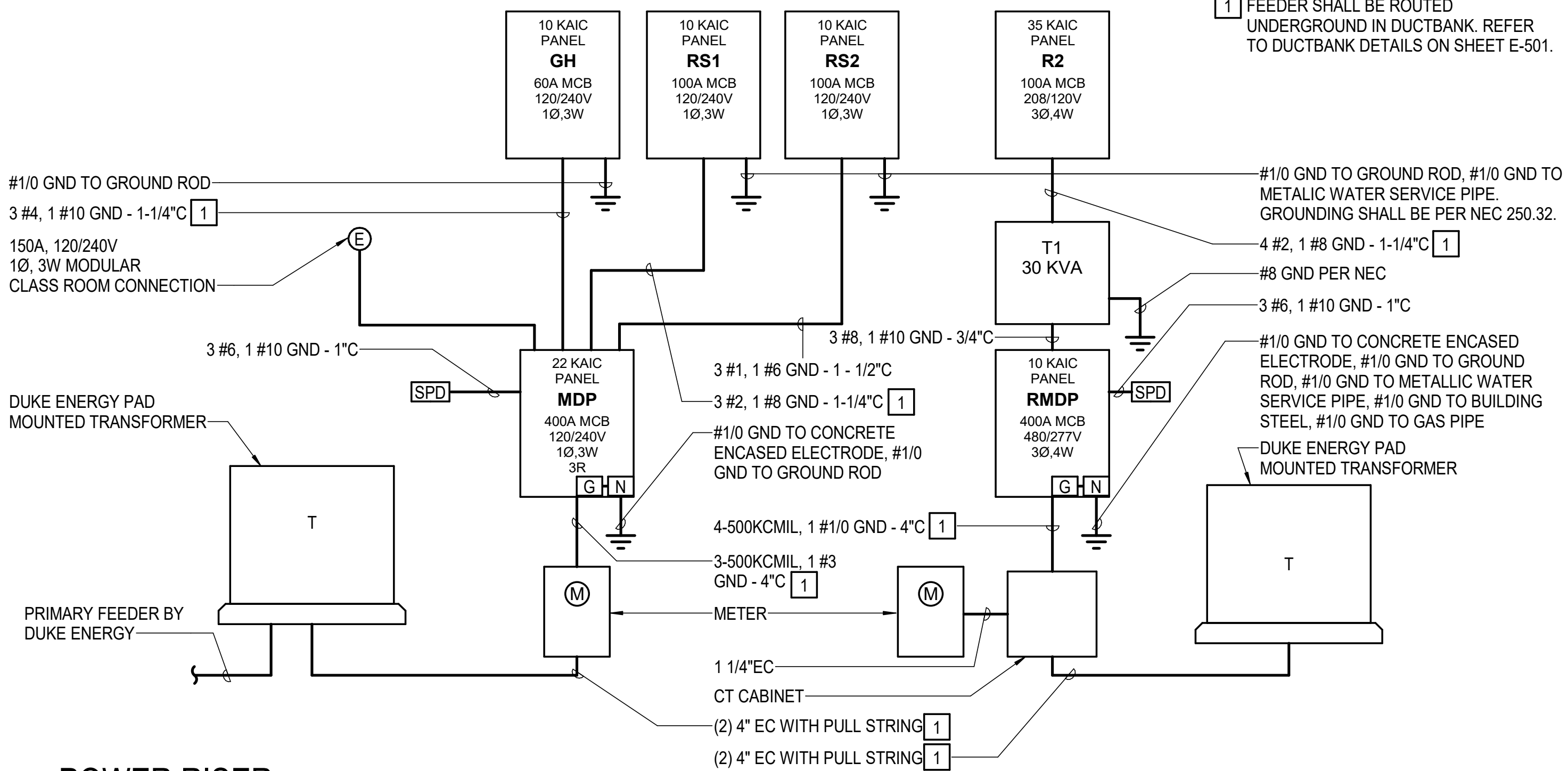


CONCRETE PAD FOR  
SERVICE TRANSFORMER SERVING RMDP

NO SCALE

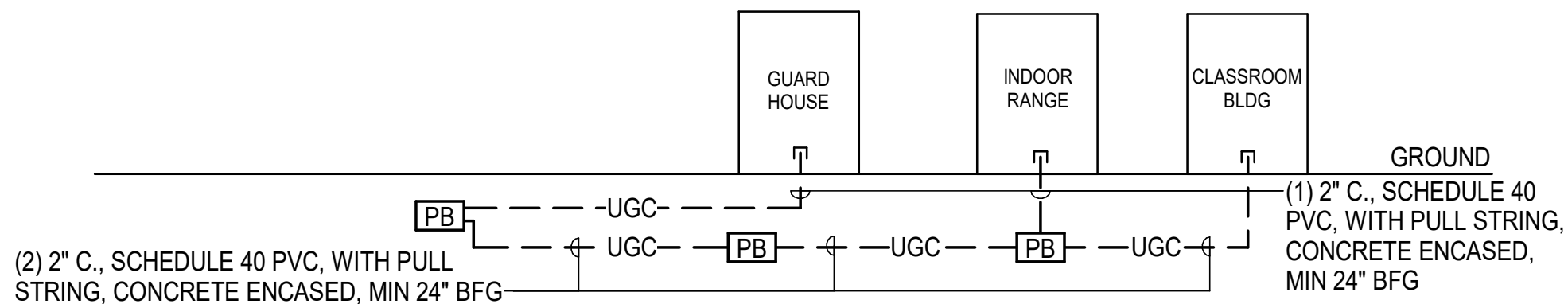
## NOTES THIS SHEET

- 1 FEEDER SHALL BE ROUTED UNDERGROUND IN DUCTBANK. REFER TO DUCTBANK DETAILS ON SHEET E-501.



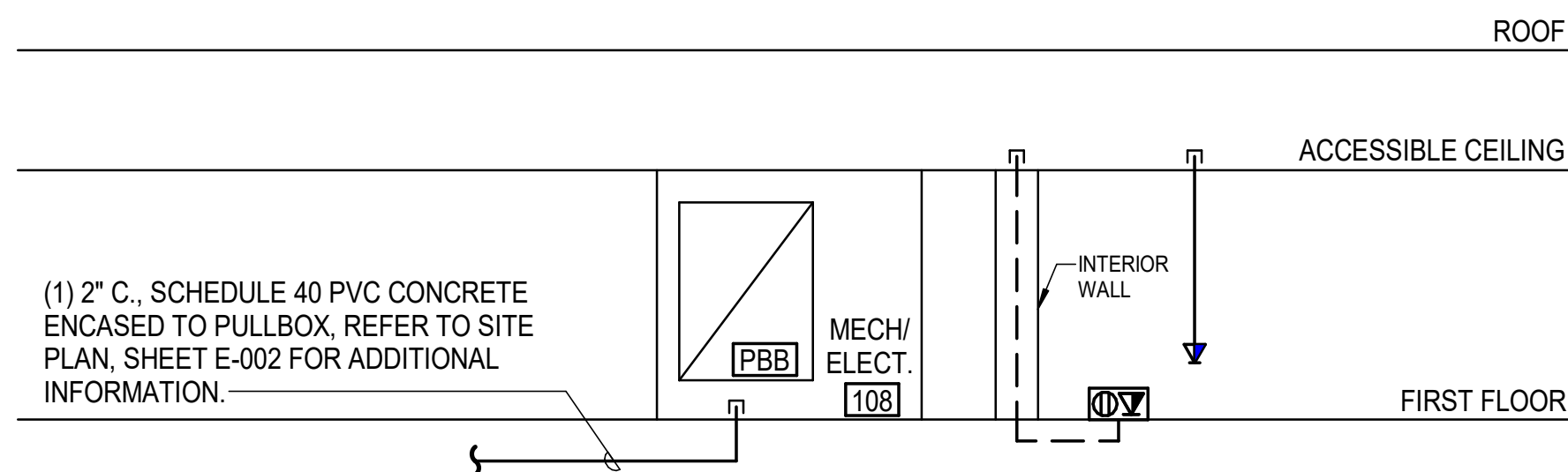
## POWER RISER

NO SCALE



## TELECOMMUNICATIONS RISER DIAGRAM

NO SCALE

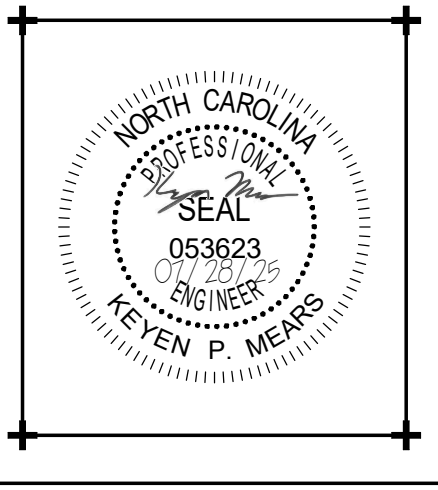


**NOTES:**

1. MINIMUM CONDUIT SIZE SHALL BE 1" UON.
2. PROVIDE CONDUIT SLEEVES WHERE CABLES PASS THROUGH WALLS, FLOORS, OR CEILINGS.

## INDOOR RANGE TELECOMMUNICATIONS RISER DIAGRAM

NO SCALE



**CRAVEN  
COMMUNITY  
COLLEGE-  
PUBLIC SAFETY  
TRAINING  
CENTER**

**525 Executive Pkwy  
New Bern, NC 28562**

## BID DOCUMENTS

**SCO # 24-27879-01A**

[illegible]

|                |          |
|----------------|----------|
| Project Number | Date     |
| 2407.SAFE      | 07/28/25 |
| Drawn          | Checked  |
| BWS            | JEB      |
| Scale          |          |
| AS NOTED       |          |
| Drawing Title  |          |

## RISER DIAGRAM & SCHEDULES

Sheet Number  
Of 157

Drawing Number

# E-601



| PANELBOARD RMDP SCHEDULE                                      |         |           |         |                            |        |               |        |                  |        |                                  |                         |         |           |         |             |
|---|---------|-----------|---------|----------------------------|--------|---------------|--------|------------------|--------|----------------------------------|-------------------------|---------|-----------|---------|-------------|
| SEE POWER RISER DIAGRAM FOR RATINGS                           |         |           |         |                            |        |               |        |                  |        |                                  |                         |         |           |         |             |
| LOAD SERVED   | BRK TRP | NO. POLES | CKT NO. | WIRE AND CONDUIT SIZE      | A      | B             | C      | A                | B      | C                                | WIRE AND CONDUIT SIZE   | CKT NO. | NO. POLES | BRK TRP | LOAD SERVED |
| R2  | 50 A    | 3         | 1       | - SEE RISER DIAGRAM -      | 25.9 A |               |        | 11.2 A           |        |                                  | 3-#12, 1-#12 GND - 1/2" | 2       | 3         | 20 A    | RTU-1       |
|   |         |           | 3       |                            |        | 24 A          |        |                  | 11.2 A |                                  |                         | 4       |           |         |             |
|   |         |           | 5       |                            |        |               | 23.4 A |                  |        | 11.2 A                           |                         |         |           |         |             |
| RTU-2   | 15 A    | 3         | 7       | 3-#12, 1-#12 GND - 1/2"    | 8.8 A  |               |        | 183 A            |        |                                  | 3-#3/0, 1-#6 GND - 2"C  | 8       | 3         | 200 A   | MAU-1       |
|   |         |           | 9       |                            |        | 8.8 A         |        |                  | 183 A  |                                  |                         | 10      |           |         |             |
|   |         |           | 11      |                            |        |               | 8.8 A  |                  |        | 183 A                            |                         |         |           |         |             |
| EF-1-RANGE  | 150 A   | 3         | 13      | 3-#1/0, 1-#6 GND - 1-1/4"C | 77 A   |               |        | 0 A              |        |                                  | --                      | 14      | 1         | 20 A    | SPARE       |
|   |         |           | 15      |                            |        | 77 A          |        |                  | 0 A    |                                  | --                      | 16      | 1         | 20 A    | SPARE       |
|   |         |           | 17      |                            |        |               | 77 A   |                  |        | 0 A                              |                         | --      | 18        | 1       | 20 A        |
| SPD   | 60 A    | 3         | 19      | --                         | 0 A    |               |        | 0 A              |        |                                  | --                      | 20      | 1         | 20 A    | SPARE       |
|   |         |           | 21      |                            |        | 0 A           |        |                  | 0 A    |                                  | --                      | 22      | 1         | 20 A    | SPARE       |
|   |         |           | 23      |                            |        |               | 0 A    |                  |        | 0 A                              |                         | --      | 24        | 1       | 20 A        |
| SPARE   | 20 A    | 1         | 25      | --                         | 0 A    |               |        | 0 A              |        |                                  | --                      | 26      | 1         | 20 A    | SPARE       |
| SPARE   | 20 A    | 1         | 27      | --                         |        | 0 A           |        |                  | 0 A    |                                  | --                      | 28      | 1         | 20 A    | SPARE       |
| SPARE   | 20 A    | 1         | 29      | --                         |        |               | 0 A    |                  |        | 0 A                              | --                      | 30      | 1         | 20 A    | SPARE       |
| SPARE   | 20 A    | 1         | 31      | --                         | 0 A    |               |        | 0 A              |        |                                  | --                      | 32      | 1         | 20 A    | SPARE       |
| SPARE   | 20 A    | 1         | 33      | --                         |        | 0 A           |        |                  | 0 A    |                                  | --                      | 34      | 1         | 20 A    | SPARE       |
| SPARE   | 20 A    | 1         | 35      | --                         |        |               | 0 A    |                  |        | 0 A                              | --                      | 36      | 1         | 20 A    | SPARE       |
| SPARE   | 20 A    | 1         | 37      | --                         | 0 A    |               |        | 0 A              |        |                                  | --                      | 38      | 1         | 20 A    | SPARE       |
| SPARE   | 20 A    | 1         | 39      | --                         |        | 0 A           |        |                  | 0 A    |                                  | --                      | 40      | 1         | 20 A    | SPARE       |
| SPARE   | 20 A    | 1         | 41      | --                         |        |               | 0 A    |                  |        | 0 A                              | --                      | 42      | 1         | 20 A    | SPARE       |
| TOTAL CONNECTED AMPS:    A: 305.9 A    B: 304 A    C: 303.4 A |         |           |         |                            |        |               |        |                  |        |                                  |                         |         |           |         |             |
| Load Classification   |         |           |         | Connected Load             |        | Demand Factor |        | Estimated Demand |        | Panel Totals                     |                         |         |           |         |             |
| AIR CONDITIONING  |         |           |         | 16620 VA                   |        | 100.00%       |        | 16620 VA         |        |                                  |                         |         |           |         |             |
| EXTERIOR LIGHTING   |         |           |         | 136 VA                     |        | 125.00%       |        | 170 VA           |        | Total Conn. Load: 252930 VA      |                         |         |           |         |             |
| LIGHTING  |         |           |         | 2463 VA                    |        | 125.00%       |        | 3079 VA          |        | Total Est. Demand: 253580 VA     |                         |         |           |         |             |
| MISCELLANEOUS   |         |           |         | 224543 VA                  |        | 100.00%       |        | 224543 VA        |        | Total Conn. Current: 304.2 A     |                         |         |           |         |             |
| RECEPTACLES   |         |           |         | 8280 VA                    |        | 100.00%       |        | 8280 VA          |        | Total Est. Demand Current: 305 A |                         |         |           |         |             |
| VENTILATION   |         |           |         | 888 VA                     |        | 100.00%       |        | 888 VA           |        |                                  |                         |         |           |         |             |
| Notes:  |         |           |         |                            |        |               |        |                  |        |                                  |                         |         |           |         |             |

| PANELBOARD R2 SCHEDULE                                   |         |           |         |                                |           |               |           |                  |         |                                |                                |              |           |                   |                     |
|--|---------|-----------|---------|--------------------------------|-----------|---------------|-----------|------------------|---------|--------------------------------|--------------------------------|--------------|-----------|-------------------|---------------------|
| SEE POWER RISER DIAGRAM FOR RATINGS                      |         |           |         |                                |           |               |           |                  |         |                                |                                |              |           |                   |                     |
| LOAD SERVED  | BRK TRP | NO. POLES | CKT NO. | WIRE AND CONDUIT SIZE          | A         | B             | C         | A                | B       | C                              | WIRE AND CONDUIT SIZE          | CKT NO.      | NO. POLES | BRK TRP           | LOAD SERVED         |
| LIGHTING   | 20 A    | 1         | 1       | 1-#12, 1-#12, 1-#12 GND - 1/2" | 7.6 A     |               |           | 7.9 A            |         |                                | 1-#12, 1-#12, 1-#12 GND - 1/2" | 2            | 1         | 20 A              | RECEPTACLES         |
| RANGE LIGHTING   | 20 A    | 1         | 3       | 1-#12, 1-#12, 1-#12 GND - 3/4" |           | 5.6 A         |           |                  | 10.5 A  |                                | 1-#12, 1-#12, 1-#12 GND - 1/2" | 4            | 1         | 20 A              | RECEPTACLES         |
| RECEPTACLES  | 20 A    | 1         | 5       | 1-#12, 1-#12, 1-#12 GND - 1/2" |           |               | 9 A       |                  |         | 6 A                            | 1-#12, 1-#12, 1-#12 GND - 1/2" | 6            | 1         | 20 A              | RECEPTACLES         |
| RECEPTACLES  | 20 A    | 1         | 7       | 1-#12, 1-#12, 1-#12 GND - 1/2" | 7.5 A     |               |           | 6 A              |         |                                | 1-#12, 1-#12, 1-#12 GND - 1/2" | 8            | 1         | 20 A              | RECEPTACLES         |
| RECEPTACLES  | 20 A    | 1         | 9       | 1-#12, 1-#12, 1-#12 GND - 1/2" |           | 6 A           |           |                  | 1.5 A   |                                | 1-#12, 1-#12, 1-#12 GND - 1/2" | 10           | 1         | 20 A              | COPIER / PRINTER    |
| EF-1   | 20 A    | 1         | 11      | 1-#12, 1-#12, 1-#12 GND - 1/2" |           |               | 3 A       |                  |         | 3 A                            | 1-#12, 1-#12, 1-#12 GND - 1/2" | 12           | 1         | 20 A              | ROOFTOP RECEPTACLES |
| EF-2   | 20 A    | 1         | 13      | 1-#12, 1-#12, 1-#12 GND - 1/2" | 4.4 A     |               |           | 1 A              |         |                                | 1-#12, 1-#12, 1-#12 GND - 1/2" | 14           | 1         | 20 A              | GUH-1               |
| WH-1   | 20 A    | 2         | 15      | 2-#12, 1-#12 GND - 1/2"        |           | 14.4 A        |           |                  | 6 A     |                                | 1-#10, 1-#10, 1-#10 GND - 1/2" | 16           | 1         | 20 A              | RECEPTACLES         |
|  | 17      |           |         |                                |           | 14.4 A        |           |                  | 1.1 A   | 1-#12, 1-#12, 1-#12 GND - 1/2" | 18                             | 1            | 20 A      | EXTERIOR LIGHTING |                     |
| DYNAMIC RANGE MOVER PRO                                  | 20 A    | 2         | 19      | 2-#12, 1-#12 GND - 1/2"        | 10 A      |               |           | 1.5 A            |         |                                | 1-#12, 1-#12, 1-#12 GND - 1/2" | 20           | 1         | 20 A              | RECEPTACLES *       |
|  |         |           |         |                                |           | 10 A          |           |                  | 4.5 A   | 1-#12, 1-#12, 1-#12 GND - 1/2" | 22                             | 1            | 20 A      | RECEPTACLES       |                     |
| RANGE LIGHTING   | 20 A    | 1         | 23      | 1-#10, 1-#10, 1-#10 GND - 1/2" |           |               | 7.4 A     |                  |         | 13.8 A                         | 2-#12, 1-#12 GND - 1/2"        | 24           | 2         | 20 A              | PS-1                |
| DDC PANEL  | 20 A    | 1         | 25      | 1-#12, 1-#12, 1-#12 GND - 1/2" | 3 A       |               |           | 13.8 A           |         |                                |                                | 26           |           |                   |                     |
| SPARE  | 20 A    | 1         | 27      | --                             |           | 0 A           |           |                  | 0 A     |                                | --                             | 28           | 1         | 20 A              | SPARE               |
| SPARE  | 20 A    | 1         | 29      | --                             |           |               | 0 A       |                  |         | 0 A                            | --                             | 30           | 1         | 20 A              | SPARE               |
| SPARE  | 20 A    | 1         | 31      | --                             | 0 A       |               |           | 0 A              |         |                                | --                             | 32           | 1         | 20 A              | SPARE               |
| SPARE  | 20 A    | 1         | 33      | --                             |           | 0 A           |           |                  | 0 A     |                                | --                             | 34           | 1         | 20 A              | SPARE               |
| SPARE  | 20 A    | 1         | 35      | --                             |           |               | 0 A       |                  |         | 0 A                            | --                             | 36           | 1         | 20 A              | SPARE               |
| SPARE  | 20 A    | 1         | 37      | --                             | 0 A       |               |           | 0 A              |         |                                | --                             | 38           | 1         | 20 A              | SPARE               |
| SPARE  | 20 A    | 1         | 39      | --                             |           | 0 A           |           |                  | 0 A     |                                | --                             | 40           | 1         | 20 A              | SPARE               |
| SPARE  | 20 A    | 1         | 41      | --                             |           |               | 0 A       |                  |         | 0 A                            | --                             | 42           | 1         | 20 A              | SPARE               |
| TOTAL CONNECTED AMPS:                                    |         |           |         |                                | A: 59.7 A |               | B: 55.4 A |                  | C: 54 A |                                |                                |              |           |                   |                     |
| Load Classification                                      |         |           |         | Connected Load                 |           | Demand Factor |           | Estimated Demand |         |                                |                                | Panel Totals |           |                   |                     |
| EXTERIOR LIGHTING  |         |           |         | 136 VA                         |           | 125.00%       |           | 170 VA           |         |                                |                                |              |           |                   |                     |
| LIGHTING   |         |           |         | 2463 VA                        |           | 125.00%       |           | 3079 VA          |         |                                |                                |              |           |                   |                     |
| MISCELLANEOUS  |         |           |         | 8483 VA                        |           | 100.00%       |           | 8483 VA          |         |                                |                                |              |           |                   |                     |
| RECEPTACLES  |         |           |         | 8280 VA                        |           | 100.00%       |           | 8280 VA          |         |                                |                                |              |           |                   |                     |
| VENTILATION  |         |           |         | 888 VA                         |           | 100.00%       |           | 888 VA           |         |                                |                                |              |           |                   |                     |
|  |         |           |         |                                |           |               |           |                  |         |                                |                                |              |           |                   |                     |
|  |         |           |         |                                |           |               |           |                  |         |                                |                                |              |           |                   |                     |
|  |         |           |         |                                |           |               |           |                  |         |                                |                                |              |           |                   |                     |
|  |         |           |         |                                |           |               |           |                  |         |                                |                                |              |           |                   |                     |
| Notes:   |         |           |         |                                |           |               |           |                  |         |                                |                                |              |           |                   |                     |
| * ^ * PROVIDE GFI TYPE CIRCUIT BREAKER AND CONNECT LOAD. |         |           |         |                                |           |               |           |                  |         |                                |                                |              |           |                   |                     |

| PANELBOARD RS1 SCHEDULE                                  |         |           |         |                                |               |       |                  |       |                                |                                   |           |         |                     |  |
|--|---------|-----------|---------|--------------------------------|---------------|-------|------------------|-------|--------------------------------|-----------------------------------|-----------|---------|---------------------|--|
| SEE POWER RISER DIAGRAM FOR RATINGS                      |         |           |         |                                |               |       |                  |       |                                |                                   |           |         |                     |  |
| LOAD SERVED  | BRK TRP | NO. POLES | CKT NO. | WIRE AND CONDUIT SIZE          | A             | B     | A                | B     | WIRE AND CONDUIT SIZE          | CKT NO.                           | NO. POLES | BRK TRP | LOAD SERVED         |  |
| SITE LIGHTING  | 20 A    | 2         | 1,3     | 2-#10, 1-#10 GND - 1" C        | 2.9 A         | 2.9 A | 0 A              | 0 A   | 2-#12, 1-#12 GND - 1" C        | 2,4                               | 2         | 20 A    | SITE LIGHTING       |  |
| UH-R1-1  | 20 A    | 1         | 5       | 1-#12, 1-#12, 1-#12 GND - 1/2" | 7.5 A         | 7.5 A | 1.1 A            | 7.9 A | 1-#12, 1-#12, 1-#12 GND - 1/2" | 6                                 | 1         | 20 A    | LIGHTING, EF-R1-1,3 |  |
| UH-R1-2  | 20 A    | 1         | 7       | 1-#12, 1-#12, 1-#12 GND - 1/2" |               |       |                  |       | 1-#12, 1-#12, 1-#12 GND - 1/2" | 8                                 | 1         | 20 A    | REC                 |  |
| UH-R1-3  | 20 A    | 1         | 9       | 1-#12, 1-#12, 1-#12 GND - 1/2" | 10.4 A        |       | 0.1 A            |       | 1-#12, 1-#12, 1-#12 GND - 1/2" | 10                                | 1         | 20 A    | EF-R1-2             |  |
| WH-2R1   | 20 A    | 2         | 11,13   | 2-#12, 1-#12 GND - 1/2"        |               | 8.3 A | 8.3 A            | 9.8 A | 1-#12, 1-#12, 1-#12 GND - 1/2" | 12                                | 1         | 20 A    | BF-R1-1             |  |
| SPARE  | 20 A    | 1         | 15      | --                             |               | 8.3 A | 8 A              |       | 1-#12, 1-#12, 1-#12 GND - 1/2" | 14                                | 1         | 20 A    | EWC ^               |  |
| SPARE  | 20 A    | 1         | 17      | --                             | 0 A           | 0 A   | 0 A              | 0 A   | 2-#12, 1-#12 GND - 1" C        | 16,18                             | 2         | 20 A    | PS-3                |  |
| SPARE  | 20 A    | 1         | 19      | --                             |               | 0 A   | 0 A              | 0 A   | --                             | 20                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 21      | --                             | 0 A           |       | 0 A              |       | --                             | 22                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 23      | --                             |               | 0 A   | 0 A              | 0 A   | --                             | 24                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 25      | --                             | 0 A           |       | 0 A              |       | --                             | 26                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 27      | --                             |               | 0 A   | 0 A              | 0 A   | --                             | 28                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 29      | --                             | 0 A           |       | 0 A              |       | --                             | 30                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 31      | --                             |               | 0 A   | 0 A              | 0 A   | --                             | 32                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 33      | --                             | 0 A           |       | 0 A              |       | --                             | 34                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 35      | --                             |               | 0 A   | 0 A              | 0 A   | --                             | 36                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 37      | --                             | 0 A           |       | 0 A              |       | --                             | 38                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 39      | --                             |               | 0 A   | 0 A              | 0 A   | --                             | 40                                | 1         | 20 A    | SPARE               |  |
| SPARE  | 20 A    | 1         | 41      | --                             | 0 A           |       | 0 A              |       | --                             | 42                                | 1         | 20 A    | SPARE               |  |
| TOTAL CONNECTED AMPS: A: 38.4 A B: 36.4 A                |         |           |         |                                |               |       |                  |       |                                |                                   |           |         |                     |  |
| Load Classification                                      |         |           |         | Connected Load                 | Demand Factor |       | Estimated Demand |       |                                | Panel Totals                      |           |         |                     |  |
| EXTERIOR LIGHTING  |         |           |         | 700 VA                         | 125.00%       |       | 875 VA           |       |                                |                                   |           |         |                     |  |
| HEATING  |         |           |         | 4226 VA                        | 100.00%       |       | 4226 VA          |       |                                | Total Conn. Load: 8973 VA         |           |         |                     |  |
| LIGHTING   |         |           |         | 94 VA                          | 125.00%       |       | 118 VA           |       |                                | Total Est. Demand: 9172 VA        |           |         |                     |  |
| MISCELLANEOUS  |         |           |         | 2040 VA                        | 100.00%       |       | 2040 VA          |       |                                | Total Conn. Current: 37.4 A       |           |         |                     |  |
| PANELS   |         |           |         | 0 VA                           | 0.00%         |       | 0 VA             |       |                                | Total Est. Demand Current: 38.2 A |           |         |                     |  |
| RECEPTACLES  |         |           |         | 1860 VA                        | 100.00%       |       | 1860 VA          |       |                                |                                   |           |         |                     |  |
| VENTILATION  |         |           |         | 53 VA                          | 100.00%       |       | 53 VA            |       |                                |                                   |           |         |                     |  |
| Notes:   |         |           |         |                                |               |       |                  |       |                                |                                   |           |         |                     |  |
| * A * PROVIDE GFI TYPE CIRCUIT BREAKER AND CONNECT LOAD. |         |           |         |                                |               |       |                  |       |                                |                                   |           |         |                     |  |





CRAVEN  
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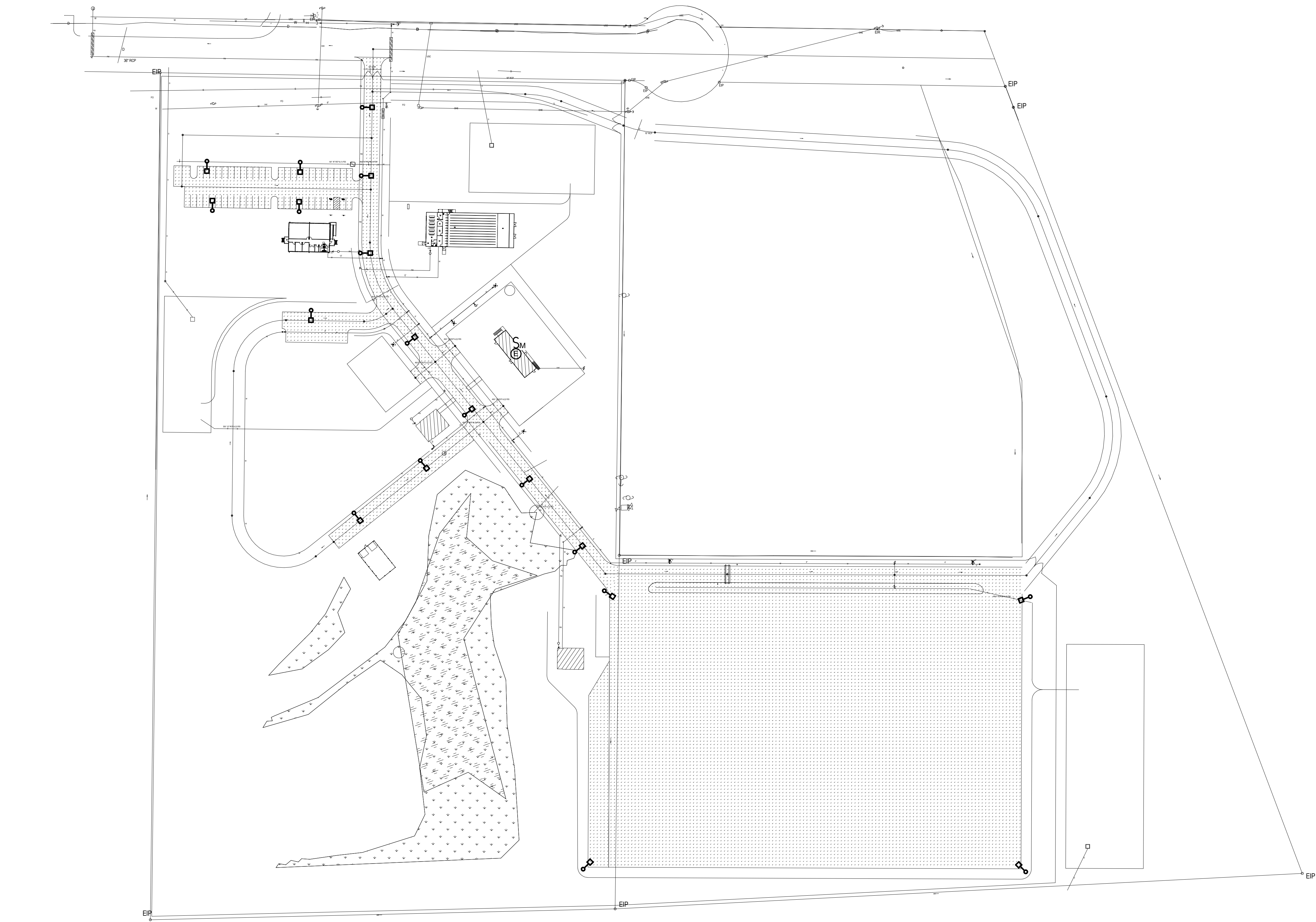
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| Revisions |     |      |  |  |  |  |  |  |  |  |
|-----------|-----|------|--|--|--|--|--|--|--|--|
|           | No. | Date |  |  |  |  |  |  |  |  |
|           |     |      |  |  |  |  |  |  |  |  |

Project Number  
2407.SAFE  
Date  
07/28/25  
Drawn  
BWS  
Checked  
JEB  
Scale  
AS NOTED  
Drawing Title

SITE PLAN -  
PHOTOMETRICS

Sheet Number  
Or  
Drawing Number  
E-901



SITE PLAN - PHOTOMETRICS  
SCALE: 1" = 80'-0"

