

GRADING NOTES

1.

CONSTRUCT SITE TO PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN USING SUITABLE MATERIAL. GRADES SHOWN ARE TOP OF FINAL GRADE.
2.

CONTRACTOR SHALL BE AWARE OF EXISTING UTILITY LINE(S) DURING DRIVEWAY CULVERT INSTALLATION.
3.

ALL NEW PAVEMENT/GRAVEL ABUTTING EXISTING PAVEMENTS/GRAVEL SHALL MATCH THE ELEVATION OF THE EXISTING.
4.

CONTRACTOR TO ENSURE POSITIVE DRAINAGE OF ALL FINISHED GRADE SURFACES.
5.

SEE GENERAL NOTES, SHEET 2.

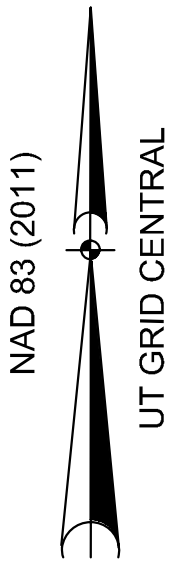
LEGEND

ECR - END OF CURVE RADIUS  
EOC - EDGE OF CONCRETE  
EOG - EDGE OF GRAVEL  
EG - EXISTING GROUND ELEVATION (TIE TO EXISTING POINT)



LEGEND

	WORK LIMIT LINE
	PROPERTY LINE
	RIGHT OF WAY LINE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED EASEMENT LINE
	EXISTING WETLANDS
	FENCE LINE
	GRAVEL
	CONCRETE



Point Table				
Point #	Description	Elevation	Northing	Easting
1	EOG	4553.60	7370223.9058	1537068.2754
2	EOG	4553.87	7370223.5672	1537114.3617
3	EOG	4554.18	7370223.2287	1537160.4481
4	EOG	4553.89	7370282.3236	1537160.8822
5	EOG	4553.91	7370307.8263	1537148.7109
6	EOG	4553.94	7370334.0175	1537138.1016
7	EOG	4553.71	7370333.9470	1537098.2224
8	EOG	4553.59	7370333.9117	1537078.2224
9	EOG	4553.54	7370333.8952	1537068.8903
10	EOG	4553.29	7370285.3717	1537068.0771
11	EOG	4553.01	7370341.6426	1537078.2088
12	EOG	4552.91	7370341.5712	1537098.2089
13	EOC	4553.72	7370274.5113	1537122.1575
14	EOC	4553.84	7370274.3374	1537145.8235
15	EOC	4554.18	7370238.3384	1537145.5590
16	EOC	4553.94	7370238.5123	1537121.8930
17	EOC	4553.87	7370238.6225	1537106.8934
18	EOC	4553.75	7370238.7963	1537083.2274
19	EOC	4553.53	7370274.7954	1537083.4922
20	EOC	4553.65	7370274.6215	1537107.1579
21	EOC	4553.59	7370284.6112	1537108.6026
22	EOC	4553.48	7370284.7655	1537087.6031
23	EOC	4553.68	7370303.6107	1537108.7421
24	EOC	4553.58	7370303.7650	1537087.7427
25	EOC	4553.73	7370303.5372	1537118.7419
26	EOC	4553.64	7370284.5377	1537118.6023
27	EOC	4553.78	7370284.3834	1537139.6017
28	EOC	4553.88	7370303.3829	1537139.7413
29	BOLLARD	4553.57	7370320.9154	1537080.1668
30	BOLLARD	4553.60	7370330.9152	1537080.2277
31	BOLLARD	4553.69	7370330.9435	1537096.2277
32	BOLLARD	4553.36	7370336.9152	1537080.2171
33	BOLLARD	4553.38	7370336.9435	1537096.2171
34	EOG	4553.31	7370337.7591	1537098.2157
35	PEDESTAL	4553.58	7370345.7656	1537100.2378
36	PEDESTAL	4553.58	7370327.1652	1537079.6417



PROJECT

MMI - ILA SHELTER  
SLC1.17  
SANDY, UT

PARCEL ID: 28-17-355-012-0000  
10935 S 700 E  
SANDY, UT 84070

CLIENT

Middle Mile Infrastructure

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REGISTRATION

ISSUE/REVISION

I/R	DATE	DESCRIPTION

PROJECT NUMBER

60645418

SHEET TITLE

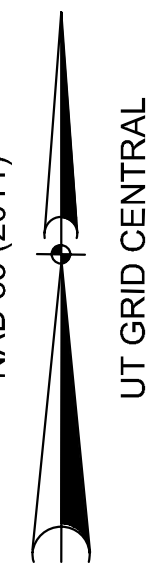
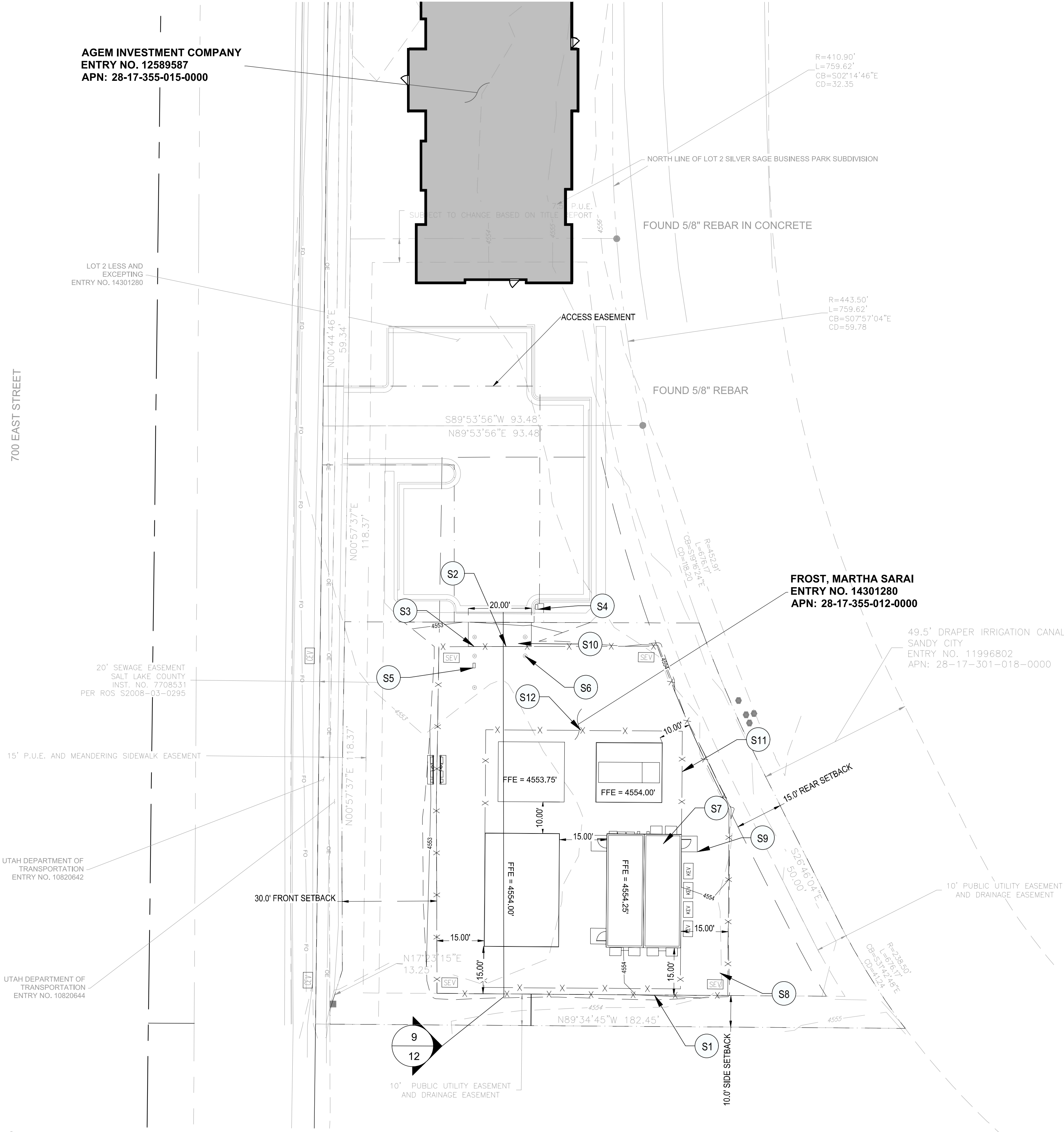
GRADING PLAN

SHEET NUMBER

5

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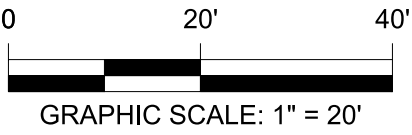
LEGEND	
	WORK LIMIT LINE
	PROPERTY LINE
	RIGHT OF WAY LINE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED EASEMENT LINE
	SETBACK LINE
	PROPOSED FIBER
	FENCE LINE
	GRAVEL
	CONCRETE
	EXISTING WETLANDS

SITE NOTES

- DIMENSIONS AND RADII ARE TO EDGE OF PAVEMENT, CONCRETE & GRAVEL PAD UNLESS SHOWN OTHERWISE.
- ALL NEW PAVEMENT ABUTTING EXISTING PAVEMENTS SHALL MATCH THE ELEVATION OF THE EXISTING.
- SEE GENERAL NOTES, SHEET 2.
- SITE DETAILS, SEE SHEET 10 - 13.
- PROPOSED PURCHASE EXHIBIT, SEE SHEET 8.

SITE DATA:

SITE ADDRESS:	10935 S 700 E SANDY, UT 84070
PIN/MAP #:	28-17-355-012-0000
LEGAL DESCRIPTION:	LOT 2, SILVER SAGE BUSINESS PARK SUB; LESS & EXCEPT BEG AT NE COR LOT 2, SD SUB;
ZONING:	SD (PO SILVER SAGE)
LAND USE:	VACANT
PROPERTY ACREAGE:	0.57 AC / 24,829 SF
PROPOSED DISTURBED AREA:	0.24 AC / 10,458 SF
PROPOSED EASEMENT LAND USE:	TELECOMMUNICATIONS SUPPORT STRUCTURE (UTILITY)
SETBACKS:	FRONT: 30' SIDE: 10' REAR: 15'



**ISSUE FOR BID**  
DATE OF ISSUE: 06/24/2025

CONSTRUCTION NOTES

<b>S1</b>	CONSTRUCT 8' ROD IRON FENCE, SEE DETAIL	<b>1</b> 10	<b>S4</b>	CONSTRUCT KEYPAD ACCESS CONTROL, PEDESTAL, AND KNOX BOX	<b>3/5</b> 11	<b>S7</b>	CONSTRUCT CONCRETE SHELTER FOUNDATION, SEE DETAIL	<b>1</b> 15	<b>S10</b>	CONSTRUCT GRAVEL DRIVEWAY, SEE DETAIL	<b>8</b> 12
<b>S2</b>	CONSTRUCT MANUAL SLIDING GATE, SEE DETAIL	<b>2</b> 13	<b>S5</b>	CONSTRUCT REX EXIT BUTTON AND PEDESTAL	<b>4/5</b> 11	<b>S8</b>	CONSTRUCT GRAVEL PAVEMENT THROUGHOUT SITE, SEE DETAIL	<b>10</b> 12	<b>S11</b>	CONSTRUCT TREX FENCING, SEE DETAIL	<b>3</b> 10
<b>S3</b>	INSTALL WEATHER-PROOF SINGLE MAGNETIC GATE LOCK	<b>4</b> 10	<b>S6</b>	CONSTRUCT BOLLARDS AROUND GATE CONTROLLER AND GATE, 36IN SPACING, SEE DETAIL	<b>6</b> 11	<b>S9</b>	CONCRETE APRON, SEE DETAIL	<b>7</b> 12	<b>S12</b>	CONSTRUCT TREX FENCING GATE, SEE DETAIL	<b>5</b> 10



PROJECT

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PROJECT NUMBER

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SHEET TITLE

SITE PLAN

SHEET NUMBER

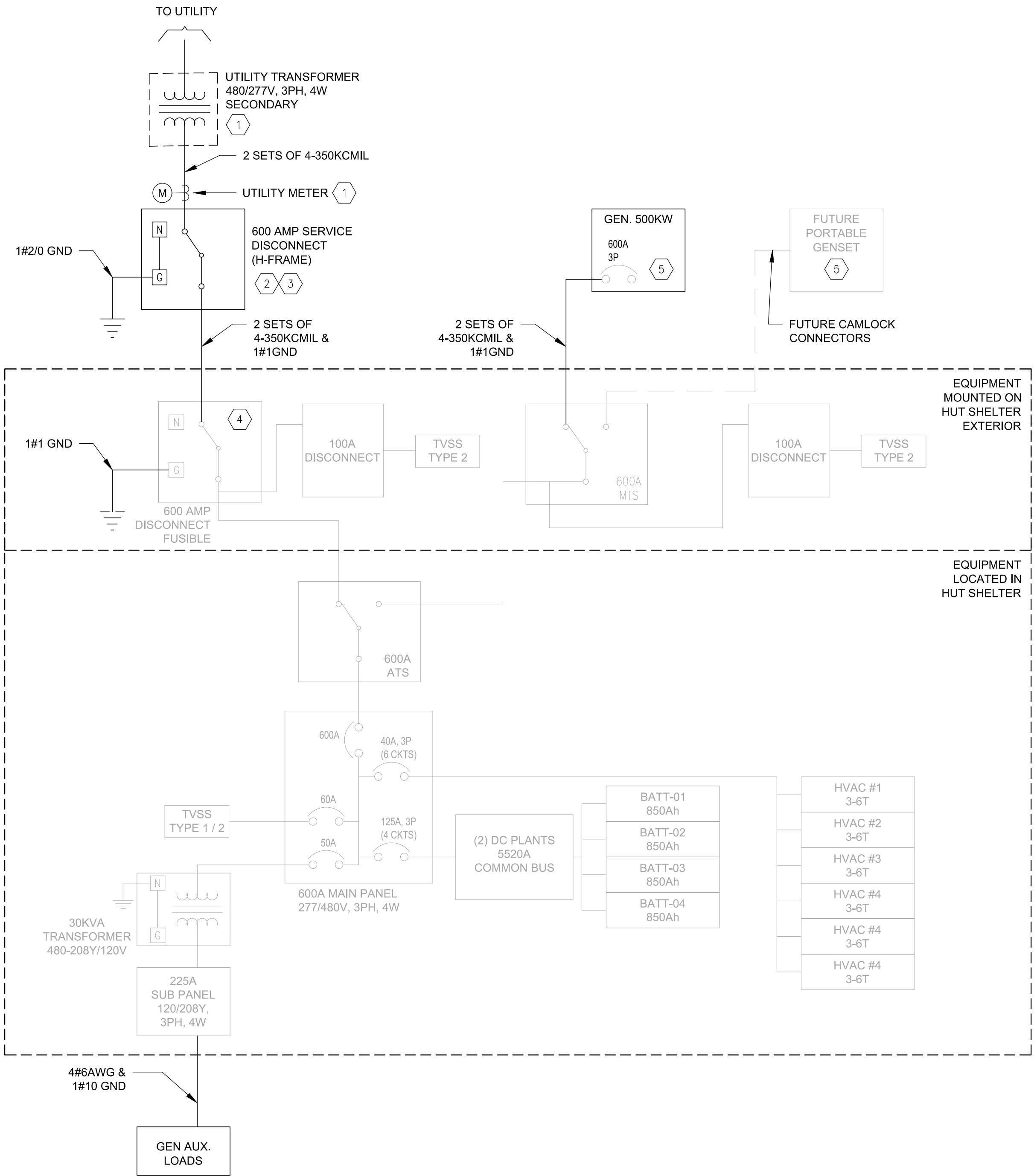
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GENERAL NOTES

- A. REFER TO SITE PLAN ON SHEET 17 FOR EQUIPMENT LAYOUT AND CONDUIT SIZES.
- B. BLACK LINES INDICATE CONTRACTOR PROVIDED EQUIPMENT.
- C. HALFTONE LINES INDICATE OWNER FURNISHED EQUIPMENT.
- D. ELEMENTS WITHIN THE DASHED OUTLINE SHOULD BE PROVIDED WITH THE HUT SHELTER SHIPMENT AND ARE SHOWN FOR REFERENCE ONLY. REFER TO THE META - VEGA ILA DRAWING PACKAGE FOR CONDUIT SIZES, CONDUCTOR SIZES, PANEL SCHEDULES AND ADDITIONAL INFORMATION.
- E. THE HUT SHELTER ELECTRICAL SYSTEM IS RATED AT 65,000 A.I.C. IF HIGHER RATINGS ARE REQUIRED IT IS THE RESPONSIBILITY OF THE SITE CONTRACTOR TO MEET SUCH REQUIREMENTS.
- F. CONTRACTOR SHALL PROVIDE ARC FLASH STUDY AND POST INCIDENT ENERGY ON ALL EQUIPMENT REQUIRED BY NFPA 70E.
- G. ALL LUGS THAT HOLD MORE THAN ONE WIRE SHALL BE LISTED FOR MULTI-BARRELL CONNECTIONS.
- H. ALL CONDUCTORS SHALL BE COPPER.

KEYNOTES

1. CONTRACTOR SHALL COORDINATE WITH THE UTILITY CO. FOR TRANSFORMER CONNECTION REQUIREMENTS AND DELINEATION OF WORK.
2. LABEL SERVICE ENTRANCE DISCONNECT WITH RED TAG.
3. NEUTRAL TO GROUND BOND SHALL ONLY BE MADE IN THE H-FRAME SERVICE DISCONNECT.
4. SERVICE RATED DISCONNECT SWITCH SHIPPED WITH HUT SHELTER SHALL NOT BE USED FOR UTILITY SERVICE CONNECTION. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT NO NEUTRAL TO GROUND BOND IS TERMINATED IN THE DISCONNECT.
5. NEUTRAL TO GROUND BOND SHALL NOT BE MADE AT THE GENERATOR DISCONNECT



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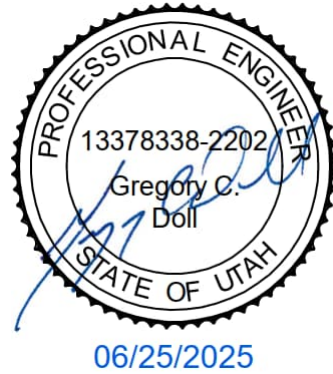
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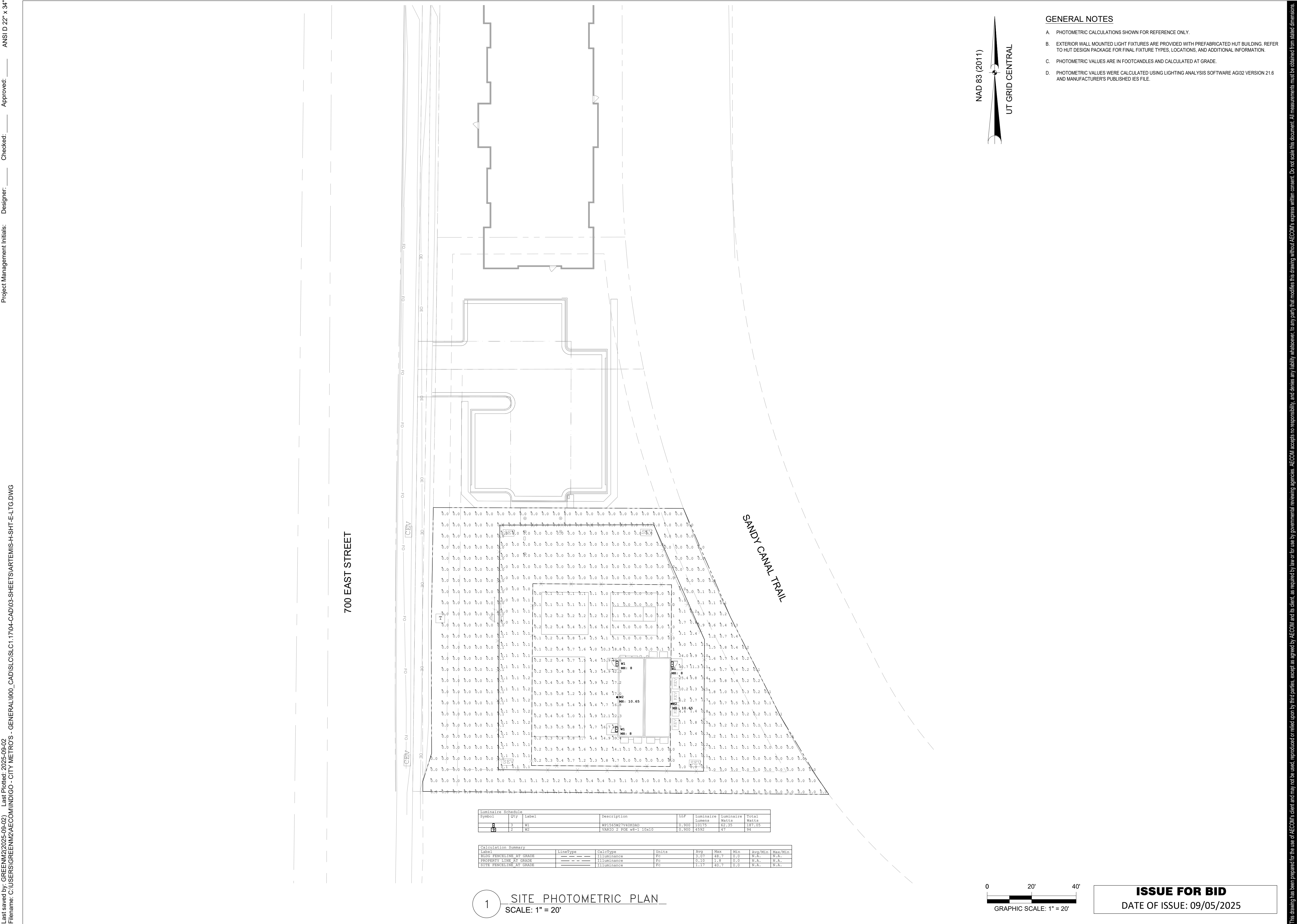
SHEET TITLE

ELECTRICAL ONE-LINE DIAGRAM

SHEET NUMBER

21

ISSUE FOR BID  
DATE OF ISSUE: 06/24/2025



Luminaire Schedule				MF	Luminaire Lumens	Luminaire Watts	Total Watts
Symbol	Qty	Label	Description				
W1	3	W1	WP1565N2V40R0AD	0.900	10375	62.35	187.05
W2	2	W2	VAR10-2 POB w8-1 10x10	0.900	4592	47	94

Calculation Summary							
Label	LineType	CalcType	Units	Avg	Max	Min	Avg/Min
ROAD PAVEMENT AT GRADE	---	ILLUMINANCE	Fc	11.3	49.7	0.0	N/A
PROPERTY LINE AT GRADE	---	ILLUMINANCE	Fc	0.10	1.8	0.0	N/A
SIDE PAVEMENT AT GRADE	---	ILLUMINANCE	Fc	2.1	40.7	0.0	N/A

- GENERAL NOTES
- A. PHOTOMETRIC CALCULATIONS SHOWN FOR REFERENCE ONLY.
  - B. EXTERIOR WALL MOUNTED LIGHT FIXTURES ARE PROVIDED WITH PREFABRICATED HUT BUILDING. REFER TO HUT DESIGN PACKAGE FOR FINAL FIXTURE TYPES, LOCATIONS, AND ADDITIONAL INFORMATION.
  - C. PHOTOMETRIC VALUES ARE IN FOOTCANDLES AND CALCULATED AT GRADE.
  - D. PHOTOMETRIC VALUES WERE CALCULATED USING LIGHTING ANALYSIS SOFTWARE AGI32 VERSION 21.6 AND MANUFACTURER'S PUBLISHED IES FILE.

# AECOM

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I/R	DATE	DESCRIPTION

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**SHEET TITLE**

SITE PHOTOMETRIC PLAN

**SHEET NUMBER**

22

**ISSUE FOR BID**

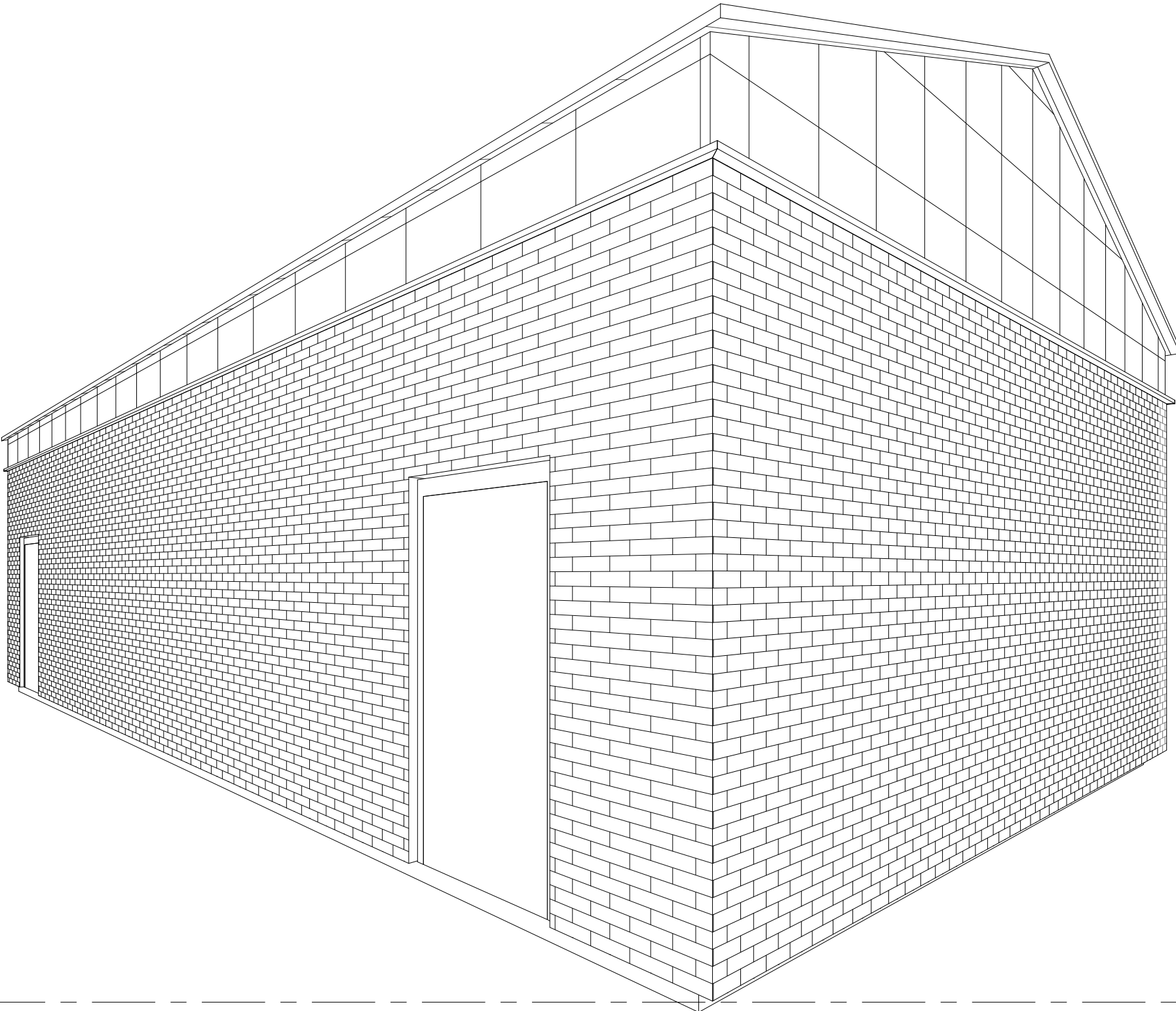
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# MIDDLE MILE INFRASTRUCTURE

## IMM ILA FIBER - SLC1.17 HUT MODIFICATION

**PARCEL ID: 28-17-355-012-0000 10935 S 700 E SANDY, UT 84070**  
**PROJECT NUMBER.:60645418**  
**CONSTRUCTION SET**  
**08/04/2025**



### RENDER AREA/VICINITY MAP

SHEET INDEX	
SHEET NUMBER	SHEET NAME
GENERAL	
G000	COVER SHEET
G001	ABBREVIATIONS, SYMBOLS AND GENERAL NOTES
ARCHITECTURE	
A101	ARCHITECTURAL PLANS AND ELEVATIONS
A102	ARCHITECTURAL DETAILS



## PROJECT

## IMM ILA FIBER - SLC1.17 HUT MODIFICATION

PARCEL ID: 28-17-355-012-0000 10935 S 700 E  
SANDY, UT 84070

## CLIENT

**MIDDLE MILE INFRASTRUCTURE**  
SANDY, UT 84070

## CONSULTANTS

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**ISSUE/REVISION**

[illegible]

## PROJECT NUMBER

60645418

**SHEET TITLE**

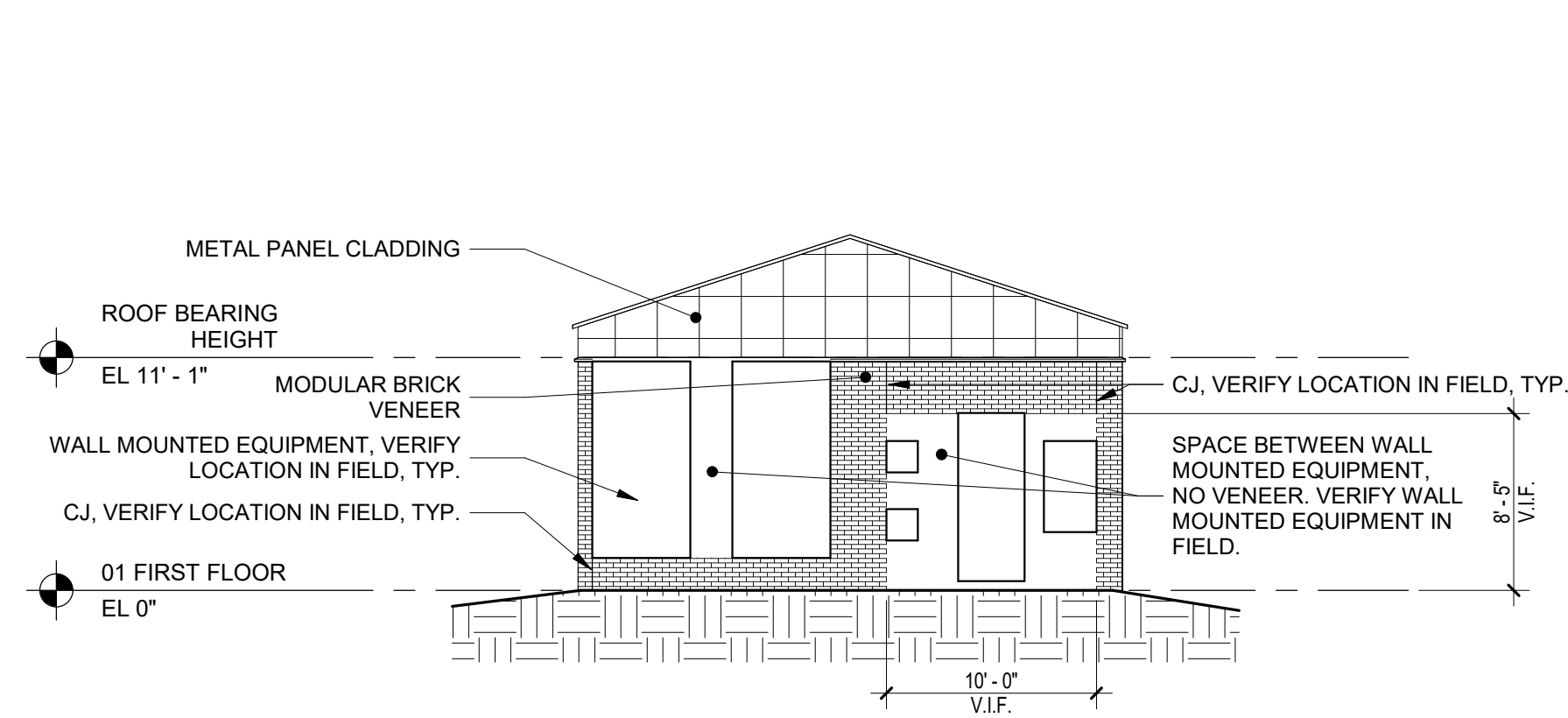
## COVER SHEET

**SHEET NUMBER**

**G000**

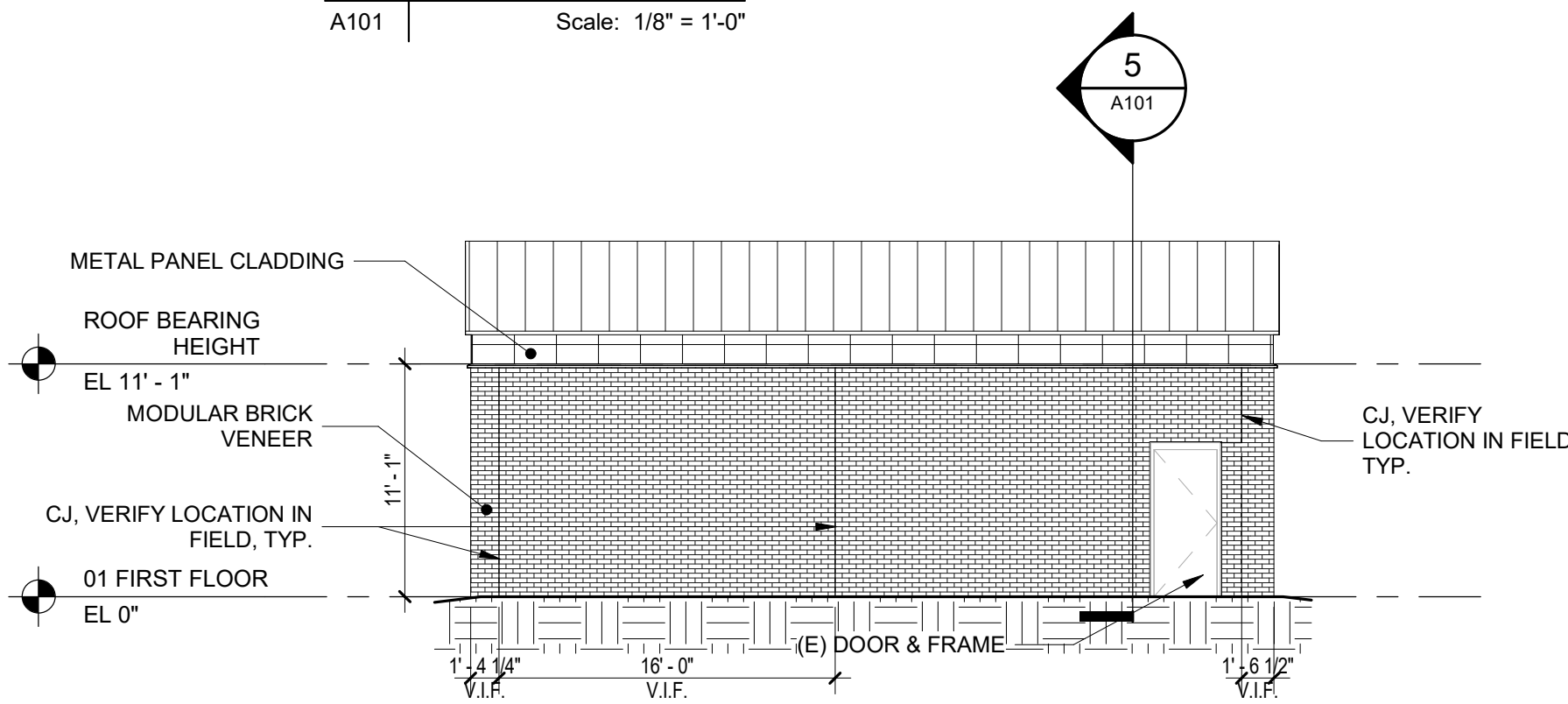




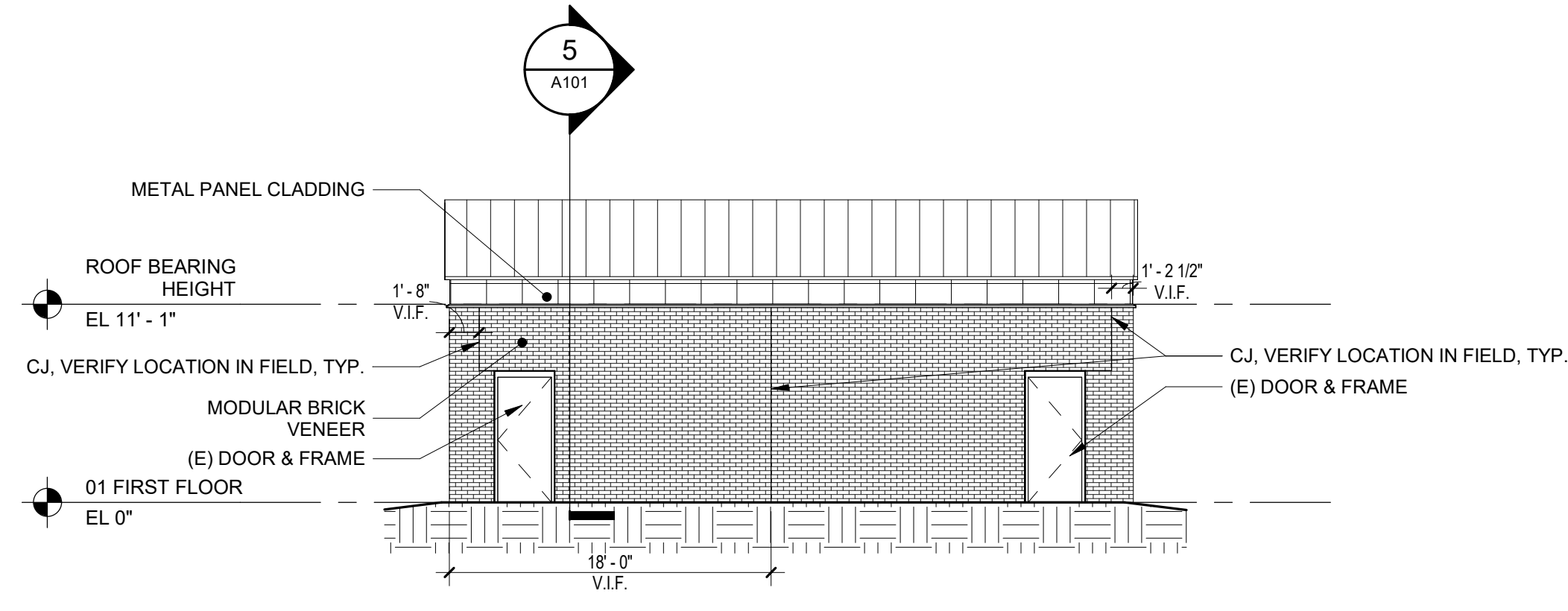


**7** | **NORTH EXTERIOR ELEVATION**

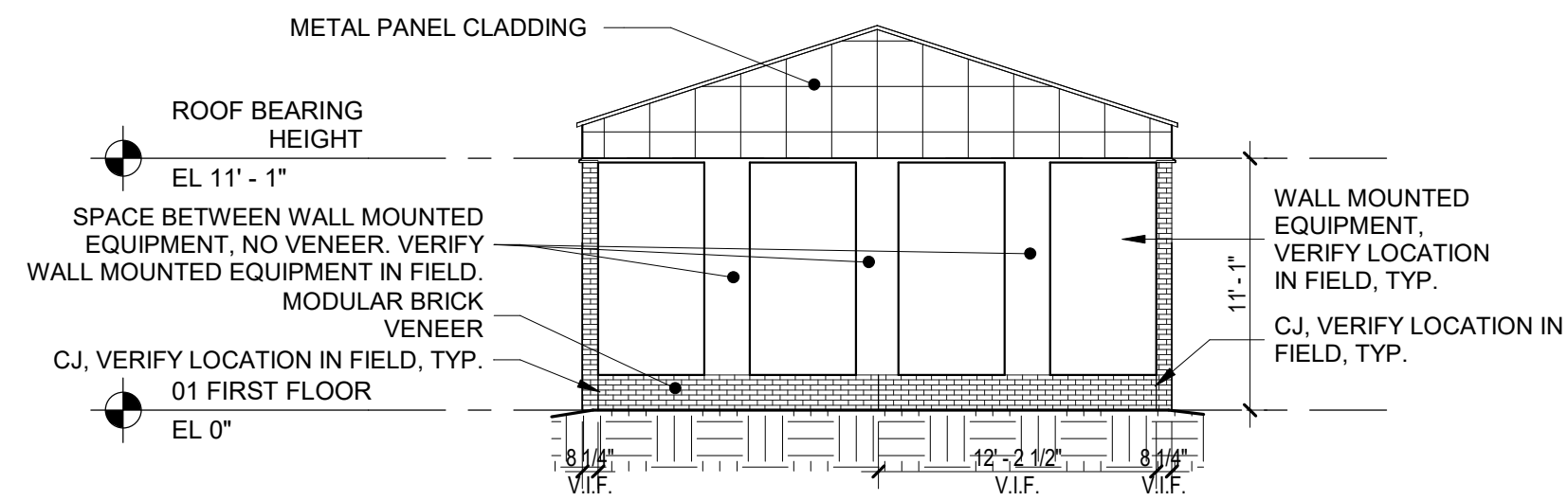
A101 | Scale: 1/8" = 1'-0"



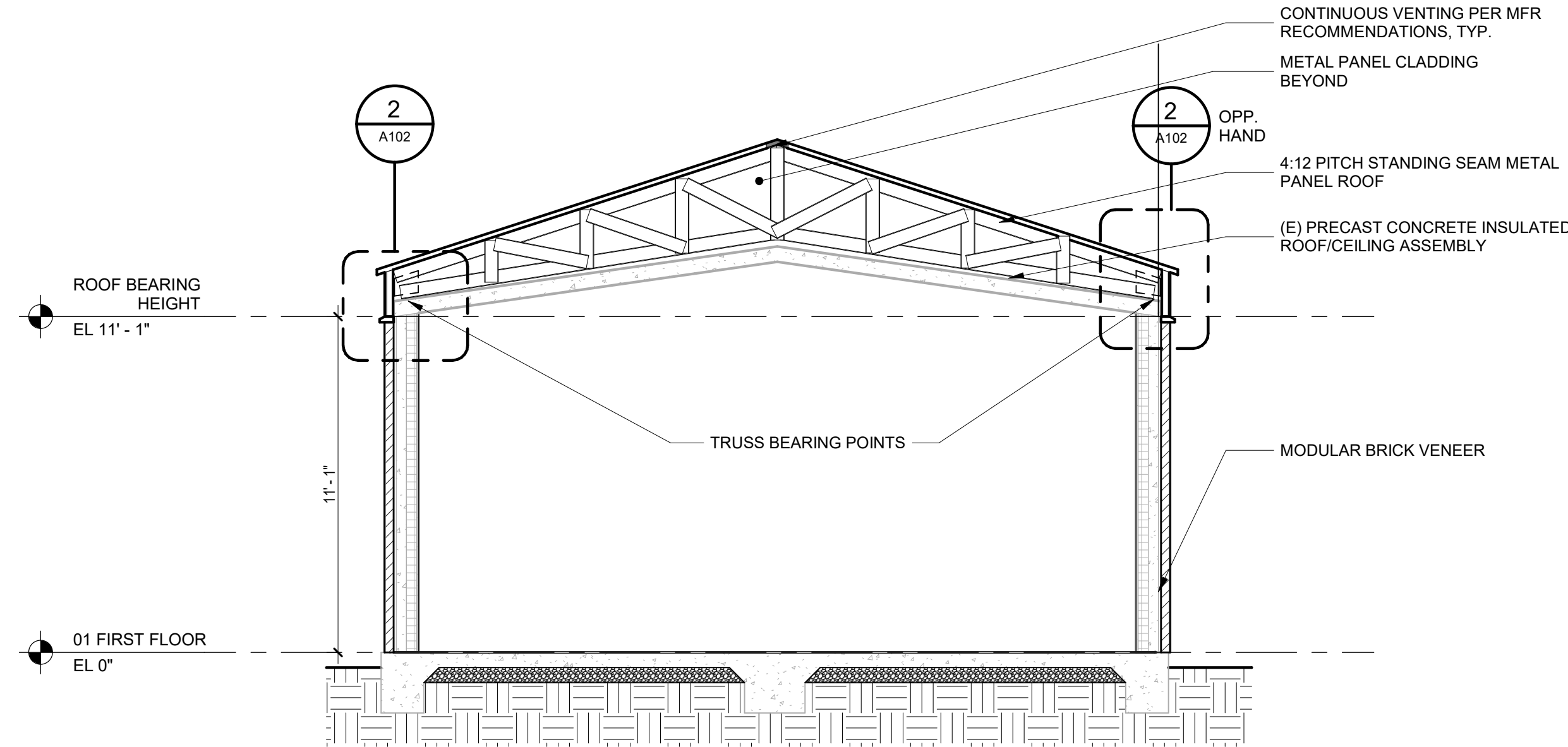
<b>6</b>	<b>EXTERIOR EAST ELEVATION</b>
A101	Scale: 1/8" = 1'-0"



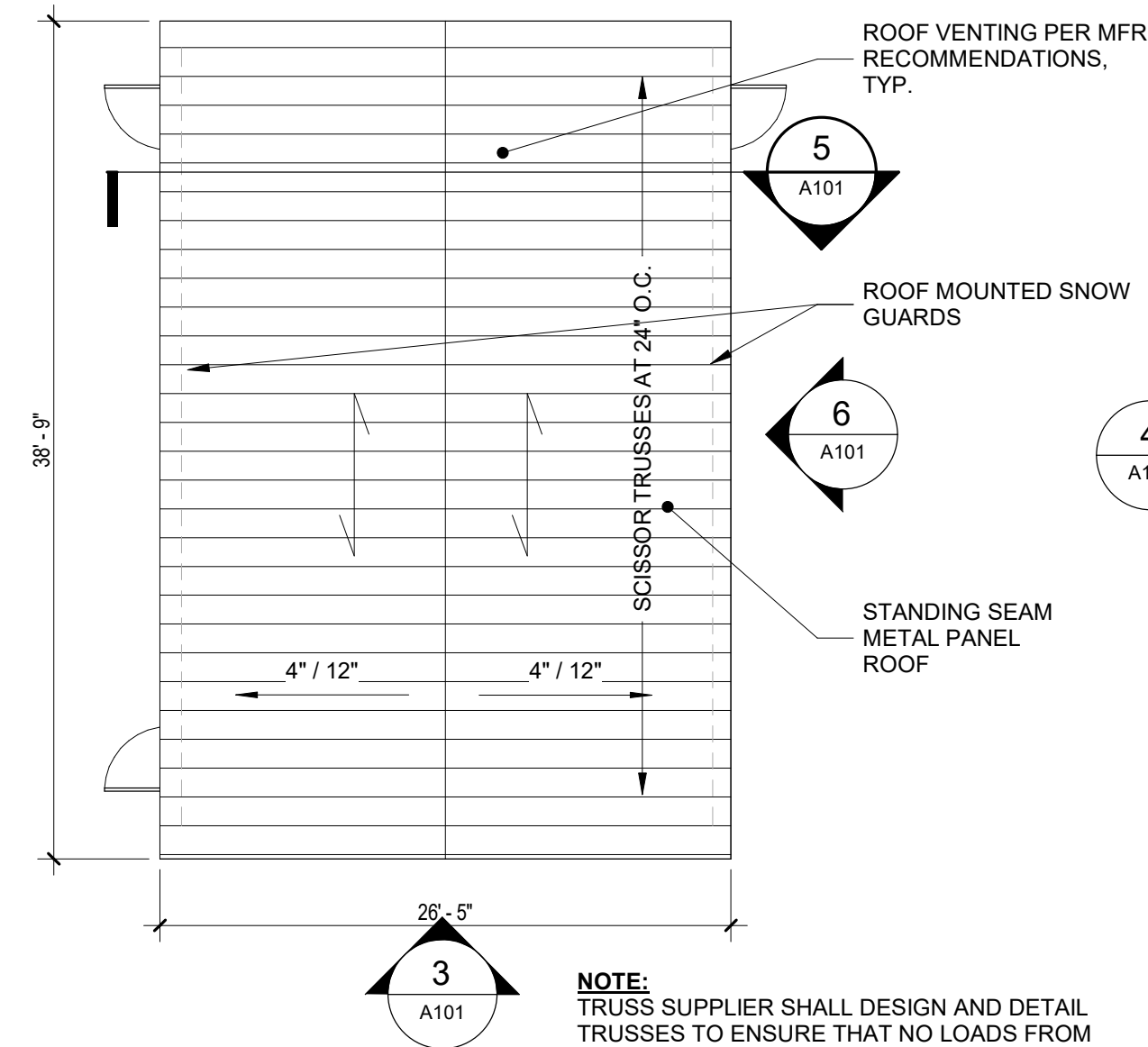
**4** | **EXTERIOR WEST  
ELEVATION**



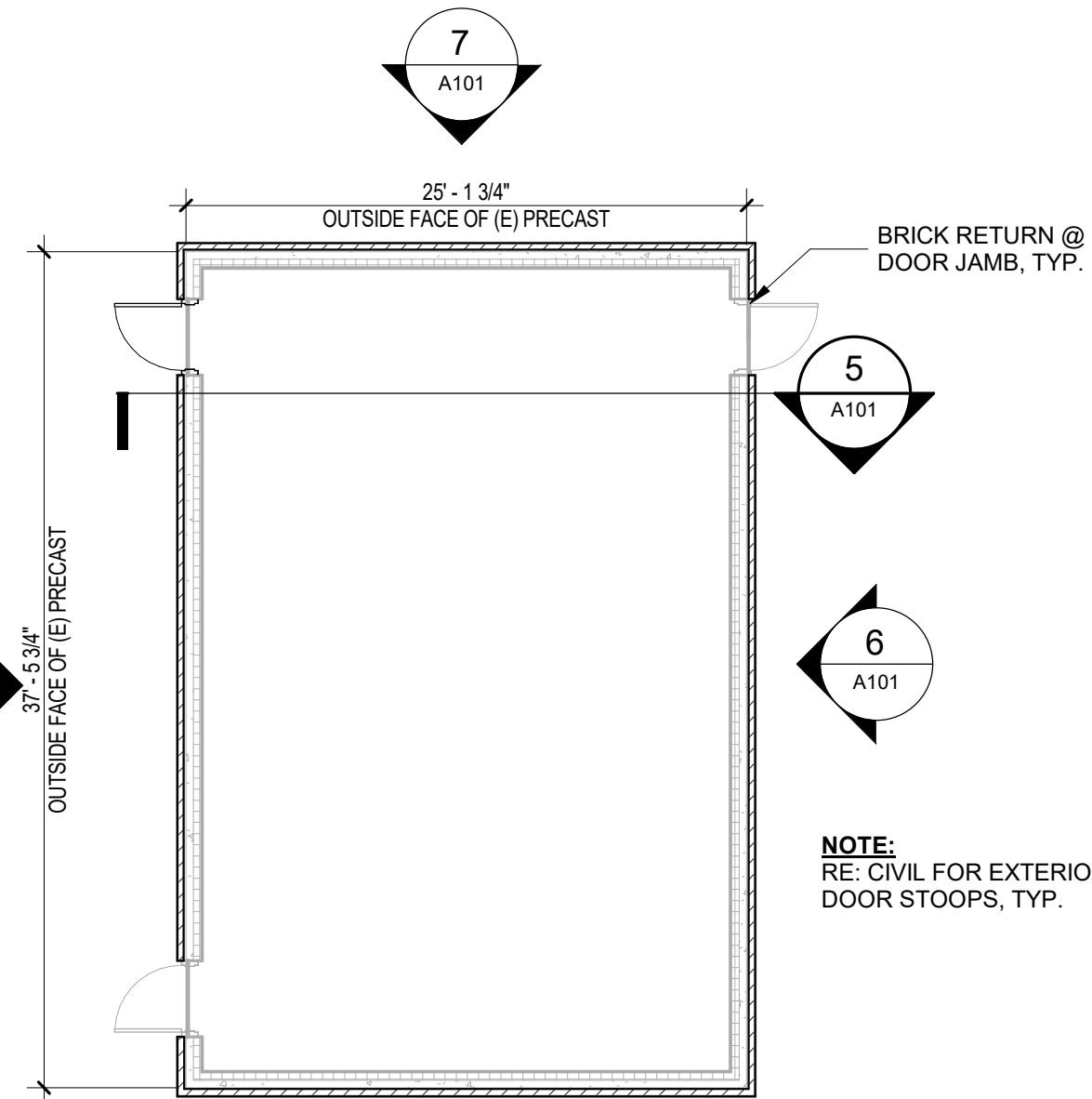
**3** | **SOUTH EXTERIOR  
ELEVATION**



<b>5</b>	<b>BUILDING SECTION</b>
A101	Scale: 1/4" = 1'-0"



<b>2</b>	<b>ROOF PLAN</b>
A101	Scale: 1/8" = 1'-0"



**1** | **LEVEL 01 - FLOOR PLAN**

**COLD-FORMED METAL TRUSS FRAMING NOTES:**

1. ALL COLD-FORMED METAL TRUSS WORK SHALL CONFORM TO PROJECT SPECIFICATION 05 4400.
2. ACTION SUBMITTALS AS OUTLINED IN PROJECT SPECIFICATION 05 4400 SHALL BE PREPARED AND SEALED BY A LICENSED DESIGN PROFESSIONAL REGISTERED IN THE STATE OF ILLINOIS WHERE THESE TRUSSES WILL BE CONSTRUCTED.
3.            INDICATES SPAN DIRECTION OF WIDE RIB METAL ROOF DECK AS DEFINED BY THE STEEL DECK INSTITUTE. PROFILE SHALL BE 1 1/2" TALL WITH VALLEYS 6 INCHES ON CENTER. THICKNESS (GAUGE) OF METAL DECK SHALL BE SELECTED BASED ON ENVIRONMENTAL LOADING, BUT NOT LIMITED TO WIND AND SNOW. FASTENING OF METAL DECK SHALL CONFORM TO THE PERFORMANCE REQUIREMENTS LISTED IN 05 4400 SPECIFICATION. COORDINATE WITH SPECIFICATION 05 3100.

**GENERAL CONDITIONS:**

1. THE STRUCTURE SHALL BE DESIGNED FOR MINIMUM ENVIRONMENTAL LOADINGS INCLUDING BUT NOT LIMITED TO WIND, SNOW, RAIN, SEISMIC, AND THERMAL EFFECTS PRESCRIBED BY THE INTERNATIONAL BUILDING CODE AS WELL AS STANDARD ASCE 7-16. SECTION 7-22 AS ADOPTED AND ENFORCED BY THE AUTHORITY HAVING JURISDICTION. LOCAL ORDINANCES AND THE GOVERNING BUILDING CODE SHALL ALSO BE CONSIDERED.
2. THE DESIGN IS BASED SOLELY ON THE PRECAST CONCRETE STRUCTURE IN ITS COMPLETED STATE. CONTRACTORS AND THEIR SUBCONTRACTORS SHALL TAKE APPROPRIATE PRECAUTIONS NECESSARY TO WITHSTAND ALL HORIZONTAL AND VERTICAL LOADS THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING TEMPORARY SHORING, BRACING, AND STABILIZATION AS REQUIRED.
3. UNLESS OTHERWISE DIRECTED BY THE AHJ, INSPECTIONS OF STRUCTURAL MATERIALS SHALL CONFORM TO CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
4. REFER TO DIVISION 05 SPECIFICATIONS FOR QUALITY CRITERIA, ACTION SUBMITTALS, EXECUTION, AND QUALITY ASSURANCE. ALL CONSTRUCTION SUBMITTALS SHALL BE PREPARED WITH CALCULATIONS AND DETAILS SEALED BY A REGISTERED DESIGN PROFESSIONAL LICENSED TO PRACTICE STRUCTURAL ENGINEERING IN THE STATE WHERE THIS PROJECT WILL BE CONSTRUCTED.

**PRECAST CONCRETE WALL FRAMING NOTES:**

1. DESIGN AND DETAILING OF STRUCTURAL PRECAST WALLS SHALL CONFORM TO CHAPTER 19 OF THE INTERNATIONAL BUILDING CODE INCLUDING BUT NOT LIMITED TO REFERENCE STANDARDS ASCE 7 AND ACI 318. ENVIRONMENTAL LOADINGS AS DESCRIBED IN GENERAL CONDITIONS MUST BE CONSIDERED.
2. WHERE PRECAST CONCRETE PANELS PROVIDE OUT-OF-PLANE LATERAL SUPPORT TO MASONRY VENEER, DESIGN AND DETAILING SHALL CONFORM TO CHAPTER 14 AND CHAPTER 21 OF THE INTERNATIONAL BUILDING CODE INCLUDING BUT NOT LIMITED TO REFERENCE STANDARDS THE MASONRY SOCIETY (TMS) 402.
3. FABRICATE PRECAST WALL PANELS. PRECASTER SHALL INCORPORATE VERTICAL AND HORIZONTAL FORCES APPLIED TO THE WALL PANELS INCLUDING BUT NOT LIMITED TO LOADS IMPARTED BY THE ROOF TRUSSES AND THE MASONRY VENEER.
4. COORDINATE ALL OPENINGS AND EQUIPMENT LOCATIONS WITH PRECASTER TO ENSURE MASONRY MODULE IS ADHERED TO VERTICALLY AND HORIZONTALLY.



## PROJECT

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**MIDDLE MILE INFRASTRUCTURE**  
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**ISSUE/REVISION**

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**SHEET TITLE**

## ARCHITECTURAL PLANS AND ELEVATIONS

**SHEET NUMBER**

A101



