

SCURRY COUNTY EMS STATION SNYDER, TEXAS



**COUNTY JUDGE
COMMISSIONER PRECINCT 1
COMMISSIONER PRECINCT 2
COMMISSIONER PRECINCT 3
COMMISSIONER PRECINCT 4
EMS DIRECTOR**

**DAN HICKS
TERRY D. WILLIAMS
DOUG SCOTT
SHAWN McCOWEN
JEFF MITCHELL
JASON TYLER**

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GENERAL NOTES:

1. REFER TO PROJECT MANUAL FOR INSTRUCTIONS TO OFFERORS / BIDDERS, PROPOSAL DOCUMENTS, AND SPECIFICATIONS.
2. REFER TO CIVIL ENGINEERING DOCUMENTS FOR CIVIL / SITE REQUIREMENTS.
3. REFER TO STRUCTURAL ENGINEERING DOCUMENTS FOR STRUCTURAL REQUIREMENTS.
4. REFER TO MECHANICAL ENGINEERING DOCUMENTS FOR MECHANICAL SYSTEMS REQUIREMENTS.
5. REFER TO ELECTRICAL ENGINEERING DOCUMENTS FOR ELECTRICAL SYSTEMS REQUIREMENTS.
6. REFER TO PLUMBING DOCUMENTS FOR PLUMBING SYSTEMS REQUIREMENTS.
7. REFER TO FIRE PROTECTION DOCUMENTS FOR FIRE PROTECTION SYSTEMS REQUIREMENTS.

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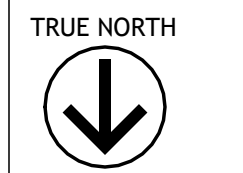
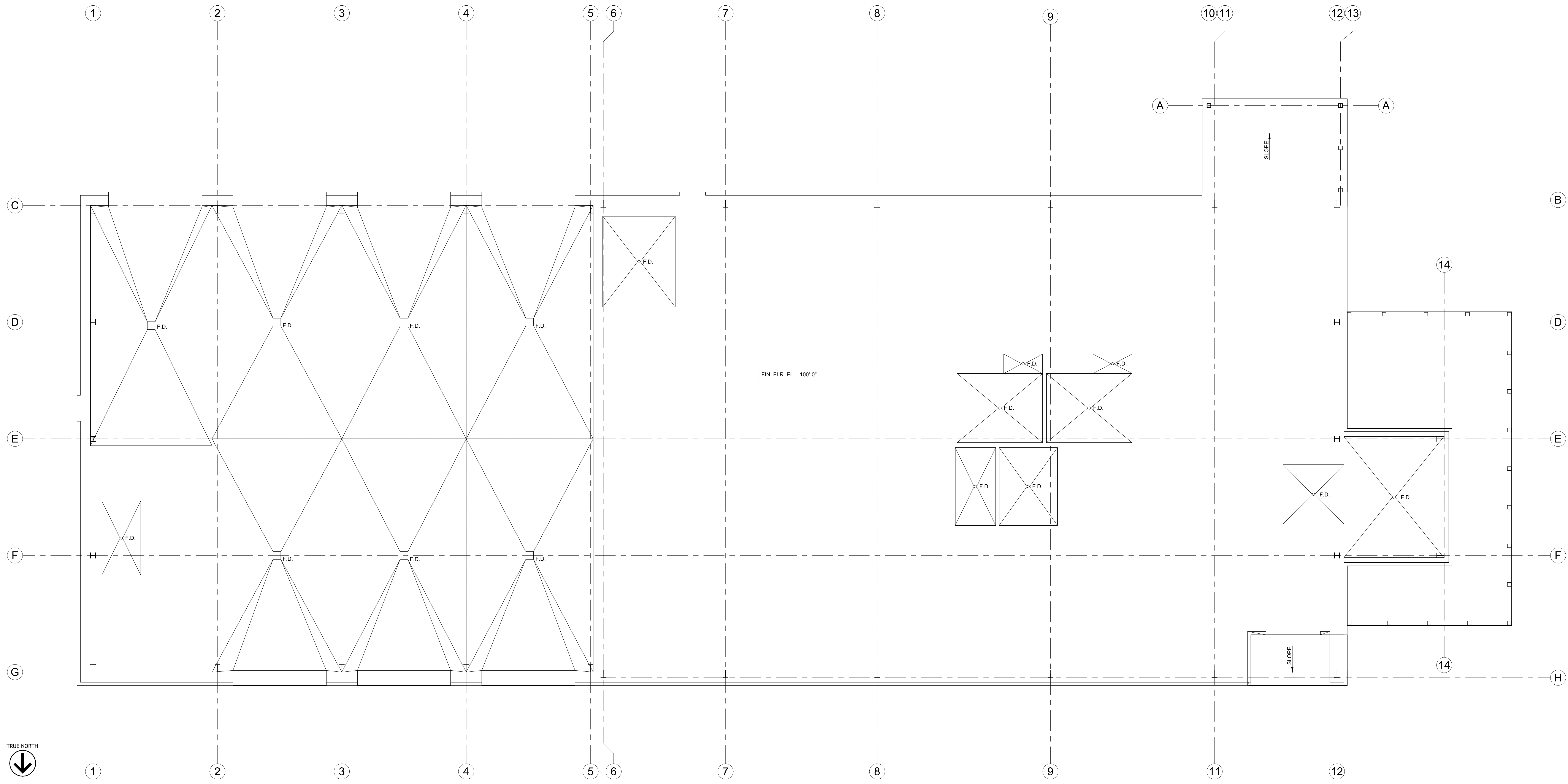
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Project Number: SCEMS-23
Date: 3/29/24
Scale: **COVER SHEET**

A0.0



1 SLAB PLAN
3/16" = 1'-0"



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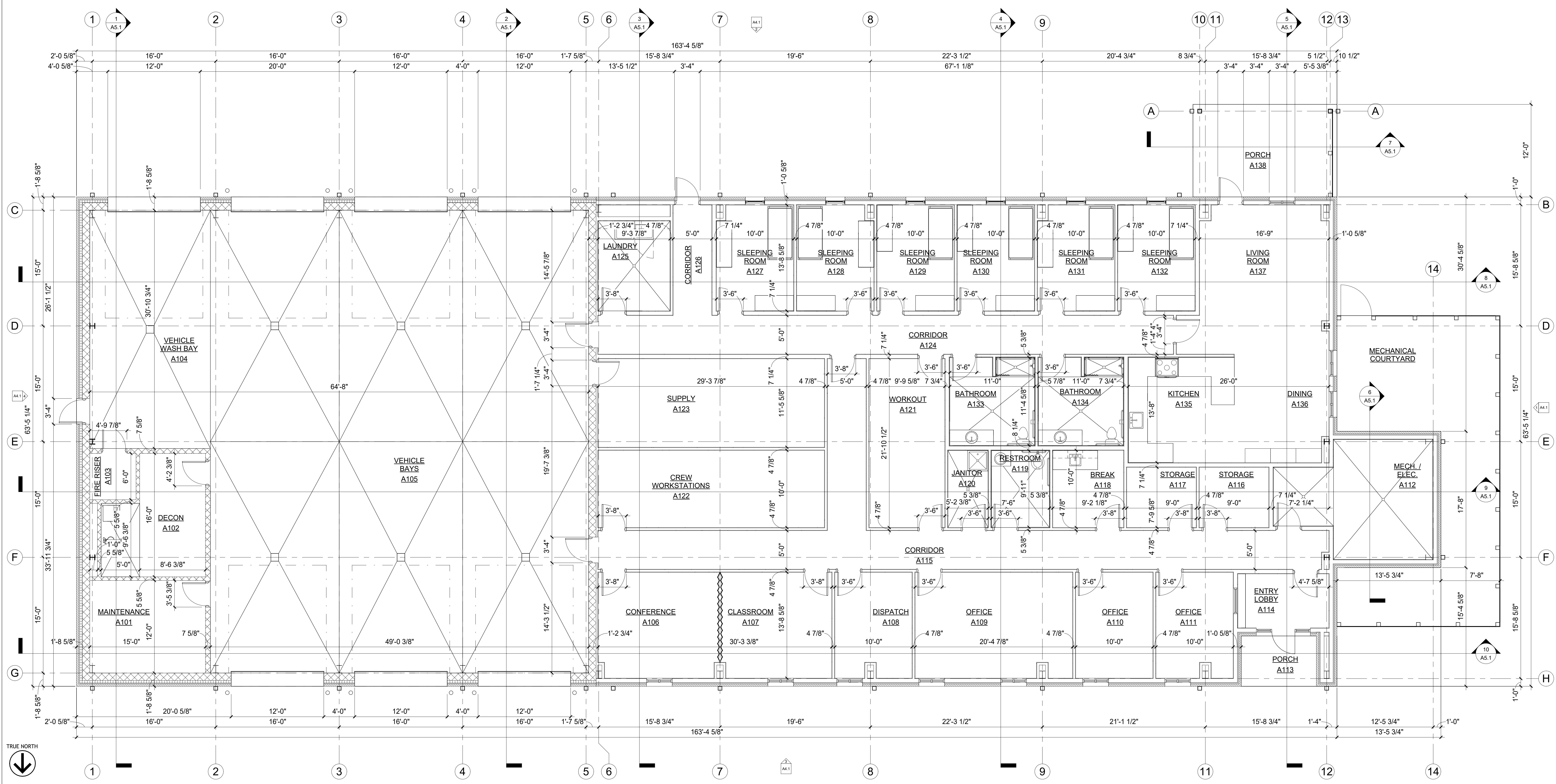
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Project Number: SCEMS-23
Date: 3/29/24
Scale: 3/16" = 1'-0"
SLAB PLAN

A0.2



1 FLOOR PLAN
3/16" = 1'-0"

**SCURRY COUNTY EMS STATION
BUILDING CODE ANALYSIS**

APPLICABLE CODES

- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL PLUMBING CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2023 NATIONAL ELECTRIC CODE
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE, CLIMATE ZONE 3B
- 2012 TEXAS ACCESSIBILITY STANDARDS

PROJECT DESCRIPTION

THE SCURRY COUNTY EMS STATION IS A NEW BUILDING CONTAINING AMBULANCE/APPARATUS BAYS, SLEEPING/LIVING QUARTERS, OFFICE SPACE AND OTHER SPACES RELATED TO THE FUNCTION OF AN EMERGENCY MEDICAL SERVICES (EMS) OPERATION.

STRUCTURE

AT AMBULANCE/APPARATUS BAYS AND SUPPORTING SPACES:

- CONCRETE SLAB-ON-GRADE AND FOUNDATION
- NON-LOAD BEARING CMU WALLS
- PRE-ENGINEERED METAL BUILDING STRUCTURE
- STANDING SEAM METAL ROOFING

AT SLEEPING/LIVING QUARTERS, OFFICE AND OTHER SUPPORTING SPACES:

- CONCRETE SLAB-ON-GRADE AND FOUNDATION
- PRE-ENGINEERED METAL BUILDING STRUCTURE
- STANDING SEAM METAL ROOFING

EXTERIOR FINISHES

- MASONRY VENEER-SPLIT FACE CMU AND BRICK
- METAL WALL PANELS

ANALYSIS

- BUSINESS GROUP B (OFFICE AREAS)
- RESIDENTIAL GROUP R-2 (SLEEPING/LIVING QUARTERS)
- STORAGE GROUP S-2 (AMBULANCE BAYS)

CHAPTER 5 – GENERAL BUILDING HEIGHTS AND AREAS:

- PROPOSED ONE STORY BUILDING.
 - GROUND FLOOR - 10,709 SF INCLUDING PORCHES

ALLOWABLE HEIGHTS AND AREAS, TABLE 504.3, 504.4 AND 506.2, TYPE IIB CONSTRUCTION

- ALLOWABLE HEIGHT: 4 STORIES, 75 FEET IN HEIGHT
- ALLOWABLE FLOOR AREA:

| | ALLOWABLE | ACTUAL | AREA RATIO |
|----------------------|------------|----------|------------|
| OCCUPANCY GROUP B: | 92,000 SF | 3,580 SF | .039 |
| OCCUPANCY GROUP R-2: | 64,000 SF | 2,856 SF | .045 |
| OCCUPANCY GROUP S-2: | 104,000 SF | 4,273 SF | .041 |
| SUM OF AREA RATIOS: | | | .125 |

- THE SUM OF THE RATIOS OF THE ACTUAL BUILDING AREA OF EACH SEPARATED OCCUPANCY DIVIDED BY THE ALLOWABLE BUILDING AREA OF EACH SEPARATED OCCUPANCY DOES NOT EXCEED 1. THEREFORE, TYPE IIB CONSTRUCTION IS ALLOWED.

- REQUIRED SEPARATION OF OCCUPANCIES, TABLE 508.4 OCCUPANCY GROUPS B AND S-2 MUST BE SEPARATED FROM OCCUPANCY GROUP R-2 AND EACH OTHER BY A ONE-HOUR RATED FIRE PARTITION.

CHAPTER 6 – TYPES OF CONSTRUCTION:

- CONSTRUCTION CLASSIFICATION TYPE IIB, TABLE 601

- 0-HOUR FIRE RESISTANCE RATING REQUIRED FOR BUILDING ELEMENTS EXCEPT WHERE REQUIRED BY SEPARATION OF OCCUPANCIES. SEE PLANS FOR 1-HOUR SEPARATION.

CHAPTER 7 – FIRE AND SMOKE PROTECTION FEATURES:

- FIRE PARTITIONS REQUIRED PER 708 ARE RATED DRYWALL WHICH EXTEND FROM THE GROUND FLOOR SLAB TO THE BOTTOM OF THE ROOF DECK PROVIDING A ONE-HOUR OCCUPANCY SEPARATION.

CHAPTER 9 FIRE PROTECTION SYSTEMS:

- AN AUTOMATIC SYSTEM IS REQUIRED PER SECTION 903.

CHAPTER 10 – MEANS OF EGRESS:

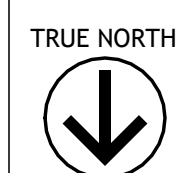
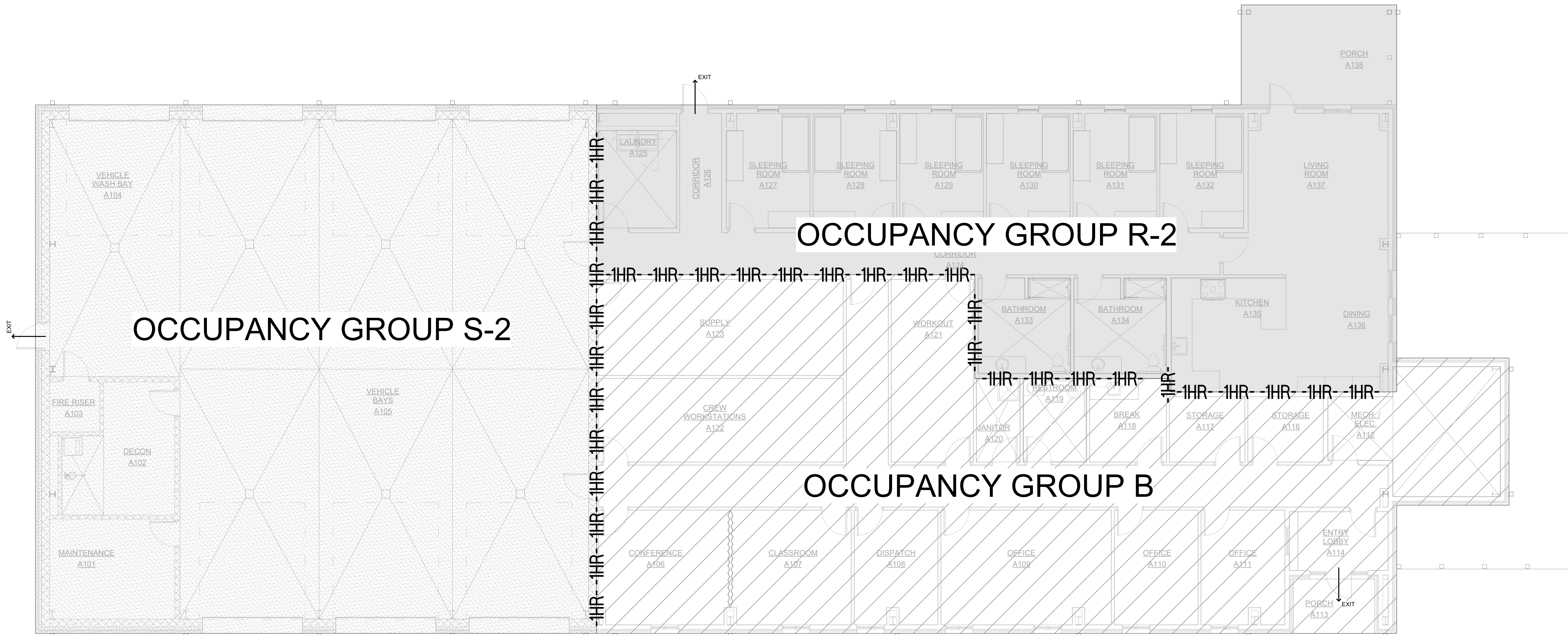
- MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT, PER TABLE 1004.5.
 - BUSINESS AREAS (B) – 150 GROSS
 - RESIDENTIAL (R-2) – 200 GROSS

PARKING GARAGES (S-2) 200 GROSS

EGRESS WIDTH

MINIMUM REQUIRED WIDTH

- BUSINESS AREAS (B) (2 INCHES PER OCCUPANT)
26 OCCUPANTS X .2 INCHES = 5.2 INCHES REQUIRED
WIDTH PROVIDED: 36 INCHES
- SLEEPING/LIVING AREAS (R-2) (2 INCHES PER OCCUPANT)
15 OCCUPANTS X .2 INCHES = 3.0 INCHES REQUIRED
WIDTH PROVIDED: 72 INCHES
- AMBULANCE/APPARATUS BAYS (S-2) (2 INCHES PER OCCUPANT)
22 OCCUPANTS X .2 = 4.4 INCHES REQUIRED
WIDTH PROVIDED: 36 INCHES
- EXIT ACCESS TRAVEL DISTANCE PER TABLE 1017.2
 - GROUP B OCCUPANCY: 300 FEET
 - GROUP R-2 OCCUPANCY: 250 FEET
 - GROUP S-2 OCCUPANCY: 400 FEET



1 CODE ANALYSIS PLAN
3/16" = 1'-0"



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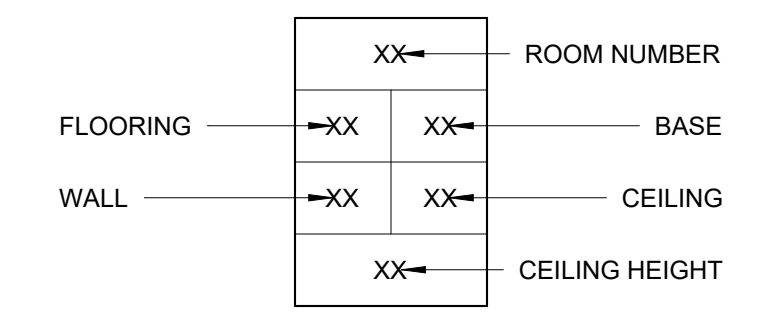
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Scale: 3/16" = 1'-0"
CODE ANALYSIS PLAN

A1.1

FINISH SCHEDULE LEGEND



| | |
|----|-------------------------------------------------------------------------------------------------------------|
| F1 | SEALED CONCRETE. REFER TO PLANS FOR AREAS TO RECEIVE RESINOUS COATING SYSTEM IN ADDITION TO SEALED CONCRETE |
| F2 | VCT |
| F3 | CERAMIC / PORCELAIN TILE |
| F4 | RESINOUS COATING SYSTEM |
| F5 | SAFETY PADDING |
| F6 | CARPET |
| F7 | ACCESS FLOOR SYSTEM WITH CARPET SQUARES |
| B1 | NONE |
| B2 | 4" VINYL |
| B3 | CERAMIC TILE |
| B4 | 6" COVERED RESINOUS COATING SYSTEM |
| B5 | 8" PAINTED CMU |
| B6 | 42" PAINTED CMU (WAINSCOT) |
| W1 | PAINTED DRYWALL |
| W2 | PAINTED CMU (EXCEPT AT WET AREAS DESIGNATED TO RECEIVE EPOXY COATING SYSTEM) |
| W3 | CERAMIC TILE TO 7'-0" A.F.F. PAINTED DRYWALL OR CMU ABOVE TO CEILING |
| W4 | RESINOUS COATING SYSTEM |
| W5 | 1" ACOUSTICAL PANEL FROM 8" A.F.F. TO CEILING ON DRYWALL OR CMU. OMIT PANEL BELOW COUNTERTOP AND PAINT WALL |
| W6 | SAFETY PADDING |
| W7 | EXTERIOR WALL MATERIALS |
| W8 | UNPAINTED CMU |
| W9 | CERAMIC TILE TO 7'-0" A.F.F. PAINTED CMU ABOVE TO CEILING |
| C1 | 2' X 2' ACOUSTICAL LAY-IN |
| C2 | PAINTED DRYWALL |
| C3 | PAINTED CONCRETE PLANK |
| C4 | PAINTED CONCRETE PLANK WITH GLUED-ON 12" X 12" ACOUSTICAL TILE |
| C5 | PRE-FINISHED METAL PANEL |
| C6 | EXTERIOR INSULATED FINISH SYSTEM - NOT USED |
| C7 | EXPOSED PAINTED STRUCTURE |
| C8 | UNPAINTED CONCRETE PLANK OR STRUCTURE |



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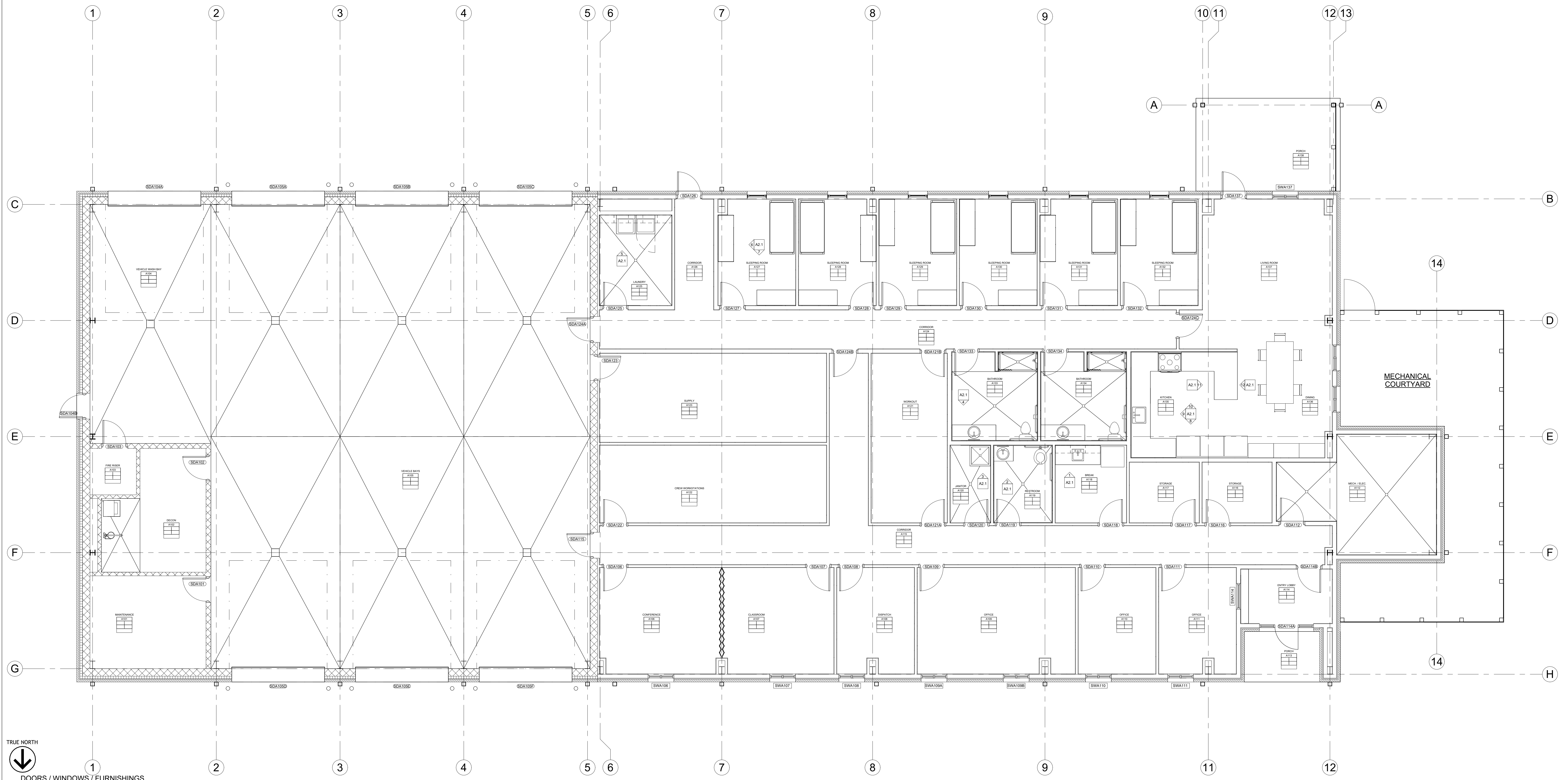
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Project Number: SCEMS-23
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 Scale: As indicated
DOORS / WINDOWS / FURNISHINGS PLAN

A1.2



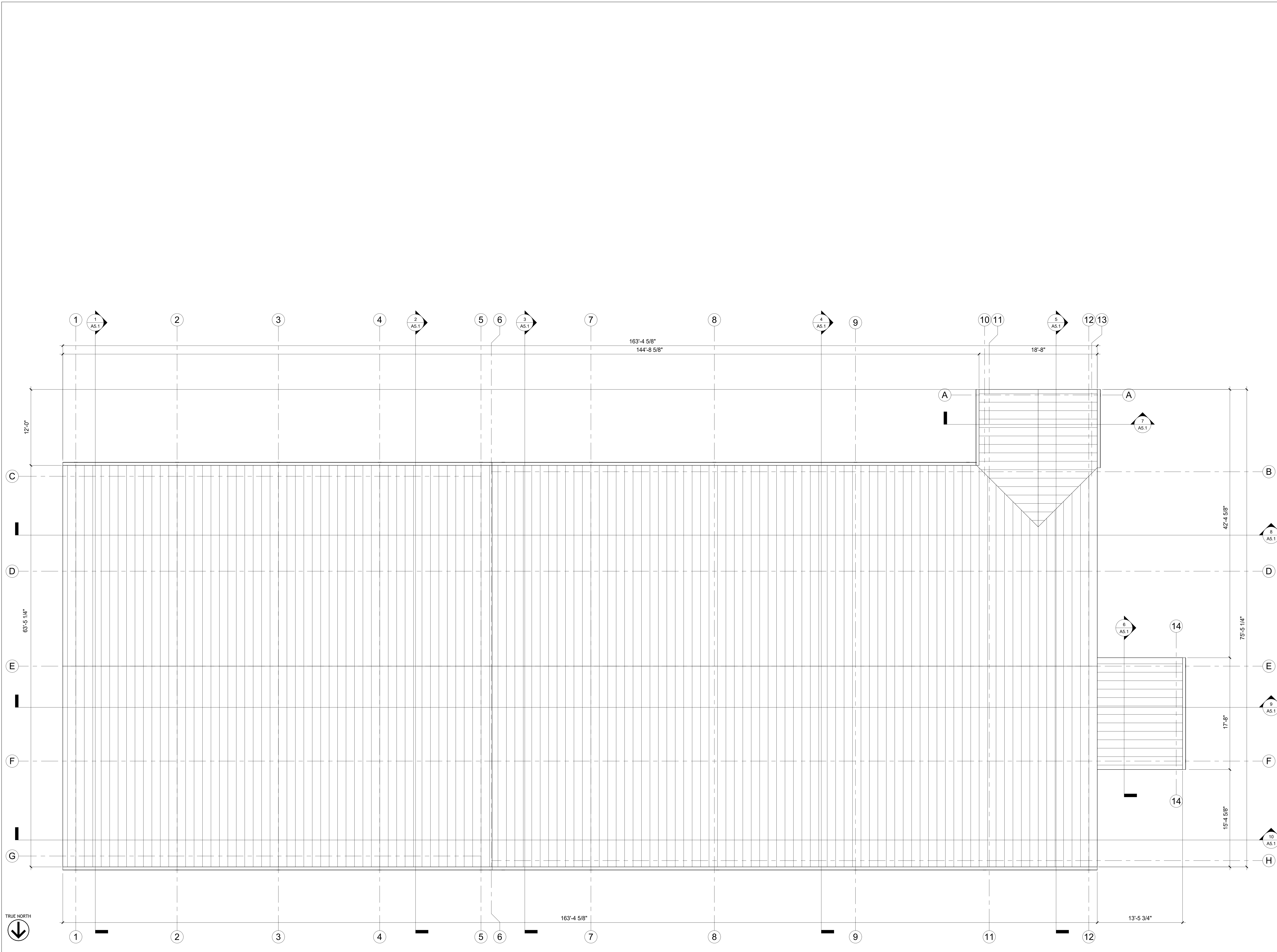
TRUE NORTH
 ↓
 DOORS / WINDOWS / FURNISHINGS
 PLAN
 1/316" = 1'-0"

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|----------------|---------------|
| Project Number | SCEMS-23 |
| Date | 3/29/24 |
| Scale | 3/16" = 1'-0" |

ROOF PLAN



1 ROOF PLAN
 3/16" = 1'-0"

| | |
|----|-------------------------------------------------------------------------------------------------------------|
| F1 | SEALED CONCRETE. REFER TO PLANS FOR AREAS TO RECEIVE RESINOUS COATING SYSTEM IN ADDITION TO SEALED CONCRETE |
| F2 | VCT |
| F3 | CERAMIC / PORCELAIN TILE |
| F4 | RESINOUS COATING SYSTEM |
| F5 | SAFETY PADDING |
| F6 | CARPET |
| F7 | ACCESS FLOOR SYSTEM WITH CARPET SQUARES |
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| C1 | 2' X 2' ACOUSTICAL LAY-IN |
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| C6 | EXTERIOR INSULATED FINISH SYSTEM - NOT USED |
| C7 | EXPOSED PAINTED STRUCTURE |
| C8 | UNPAINTED CONCRETE PLANK OR STRUCTURE |

| CEILING LEGEND | |
|----------------|------------------------------------|
| | 2' X 2' ACOUSTIC TILE GRID CEILING |
| | METAL SOFFIT PANEL |
| | GYPSUM BOARD CEILING |

| FINISH SCHEDULE LEGEND | |
|------------------------|----------------|
| XX | ROOM NUMBER |
| →XX | BASE |
| →XX | CEILING |
| XX← | CEILING HEIGHT |

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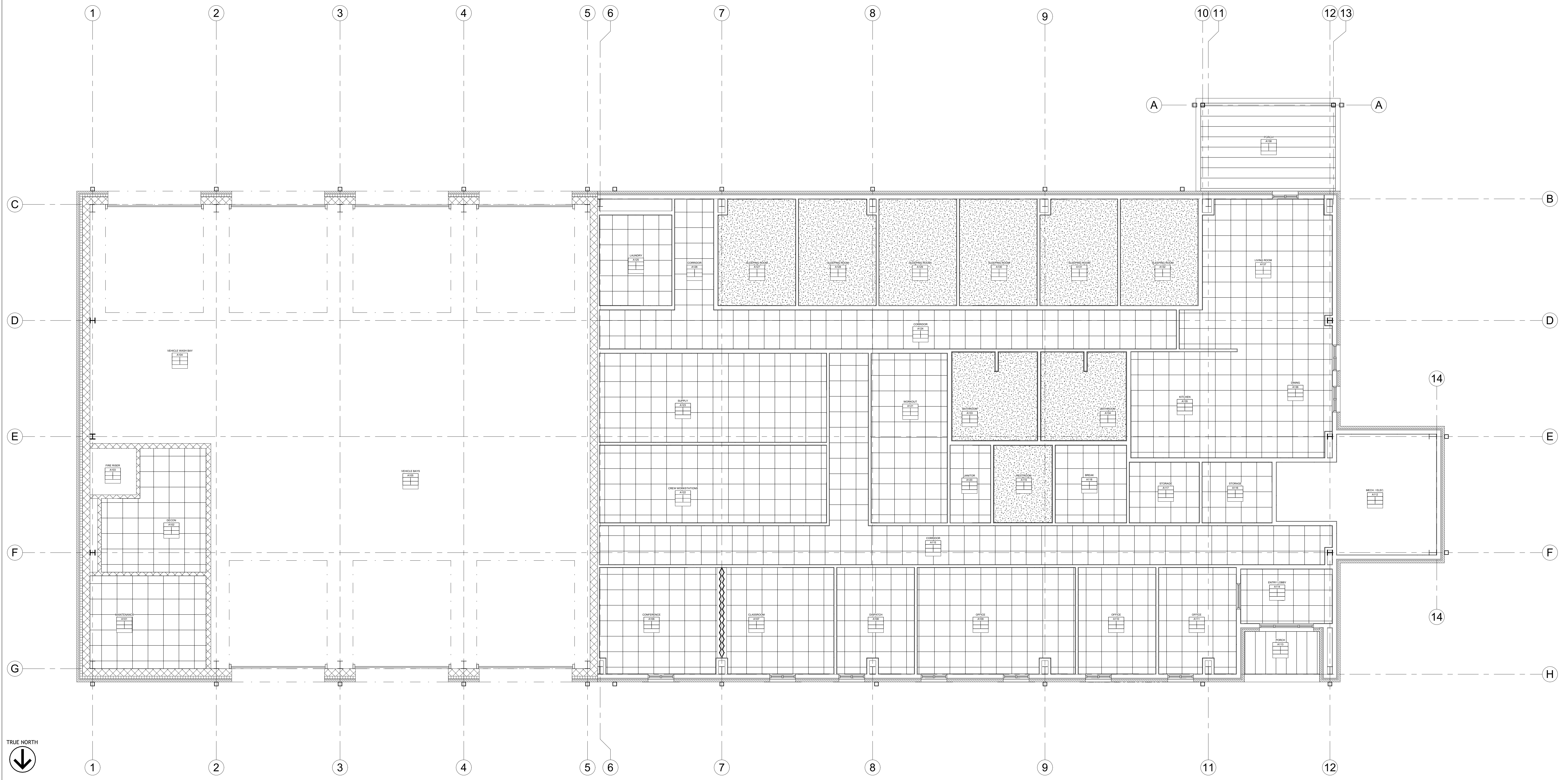
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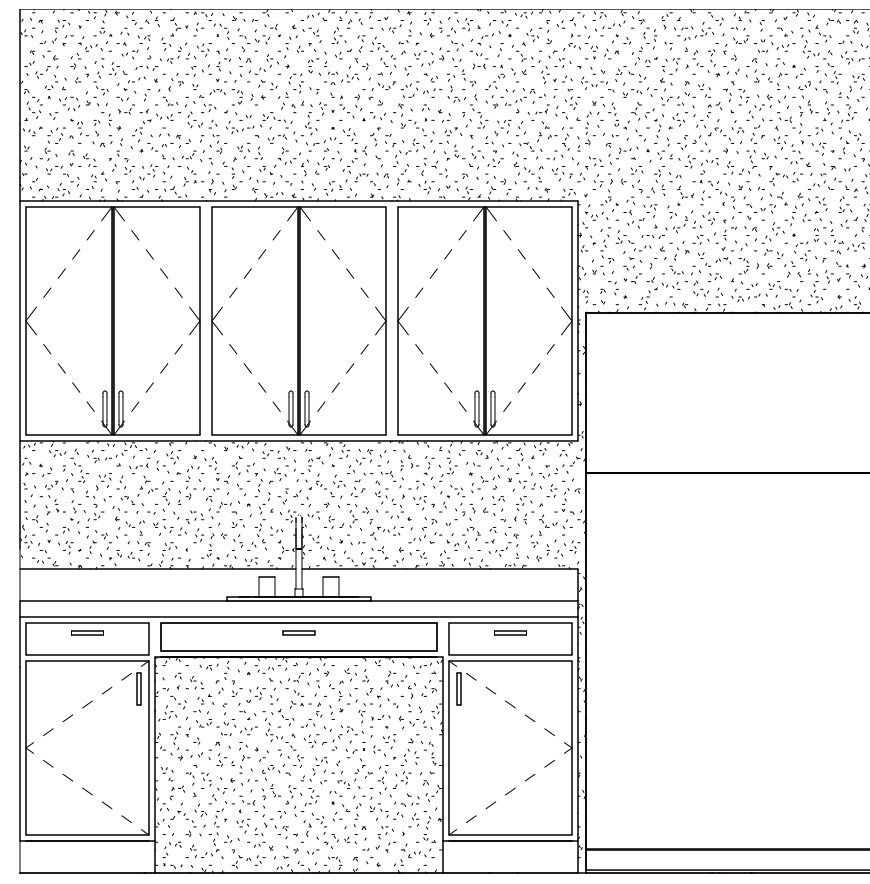
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REFLECTED CEILING PLAN

A1.4

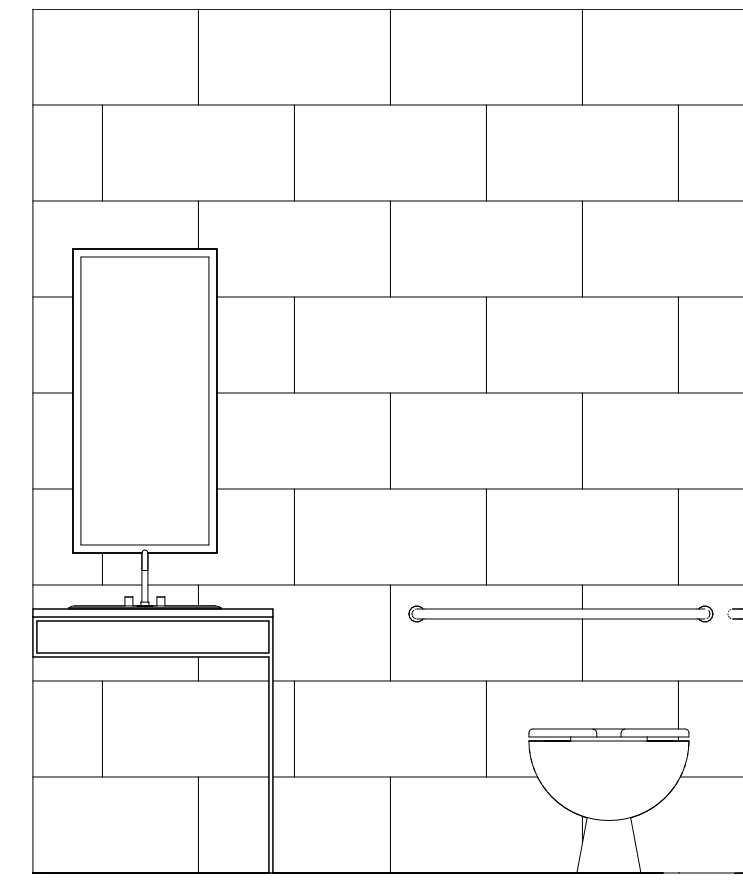


TRUE NORTH
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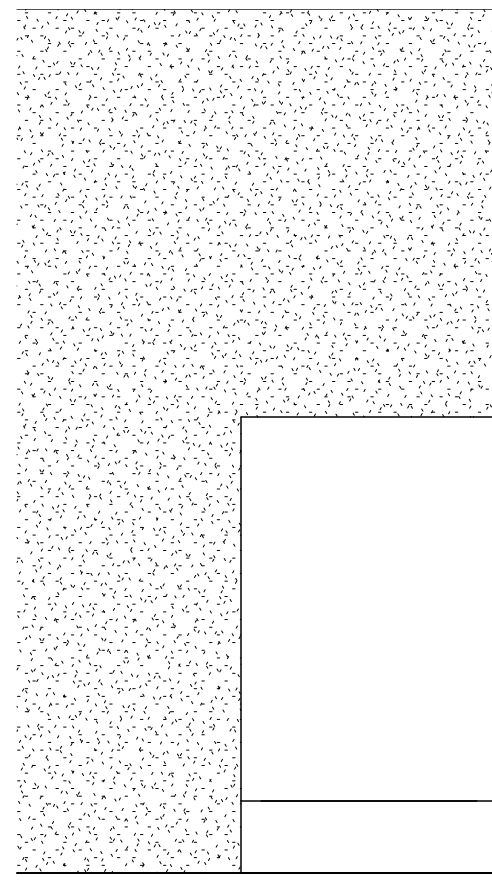
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3/16" = 1'-0"



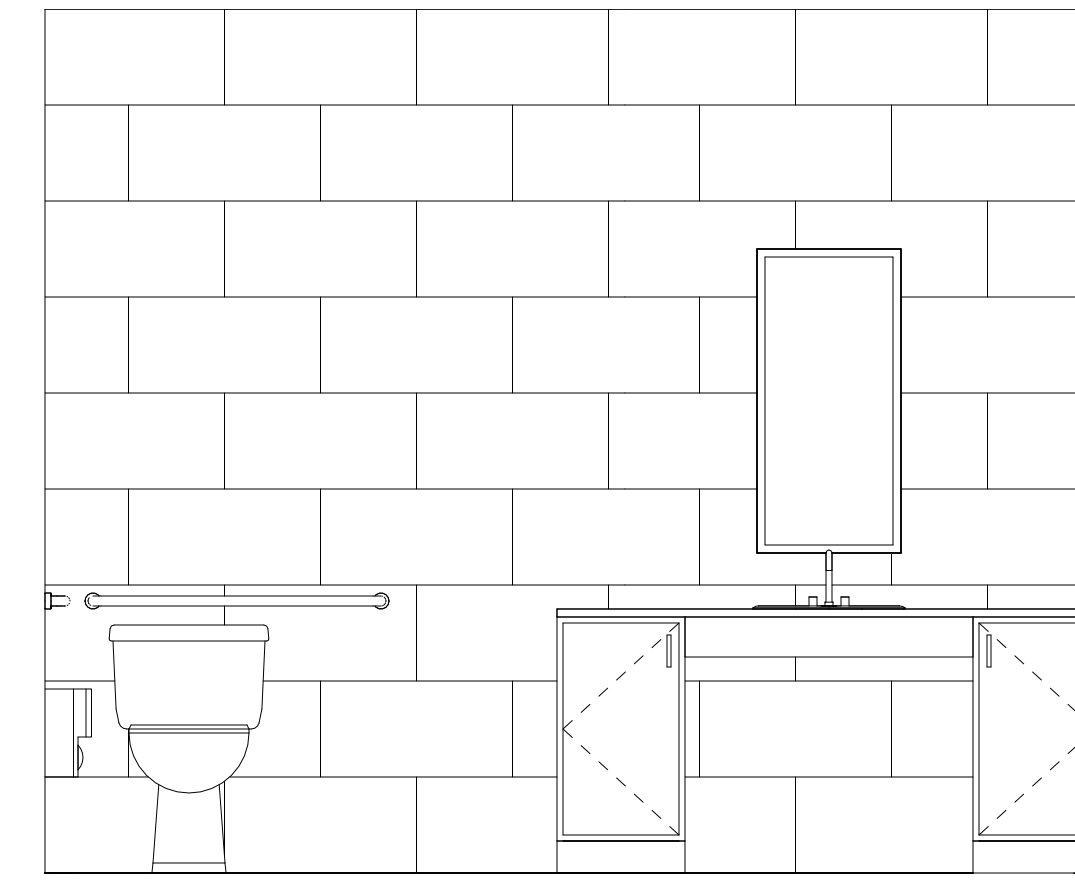
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1/2" = 1'-0"



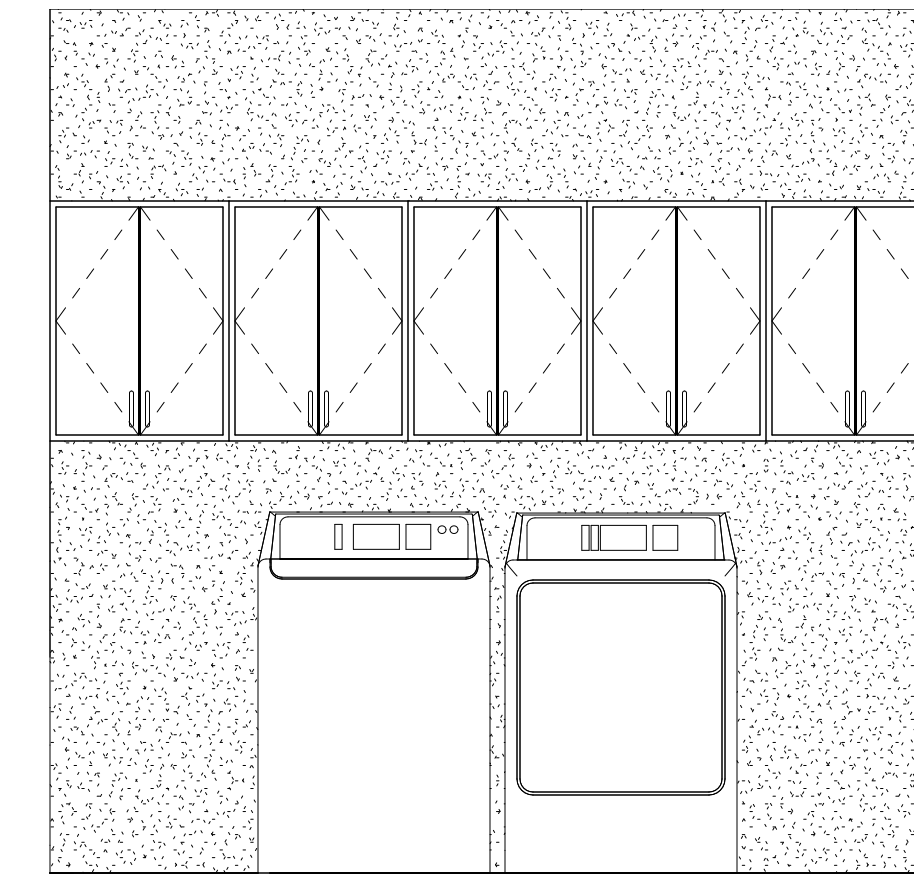
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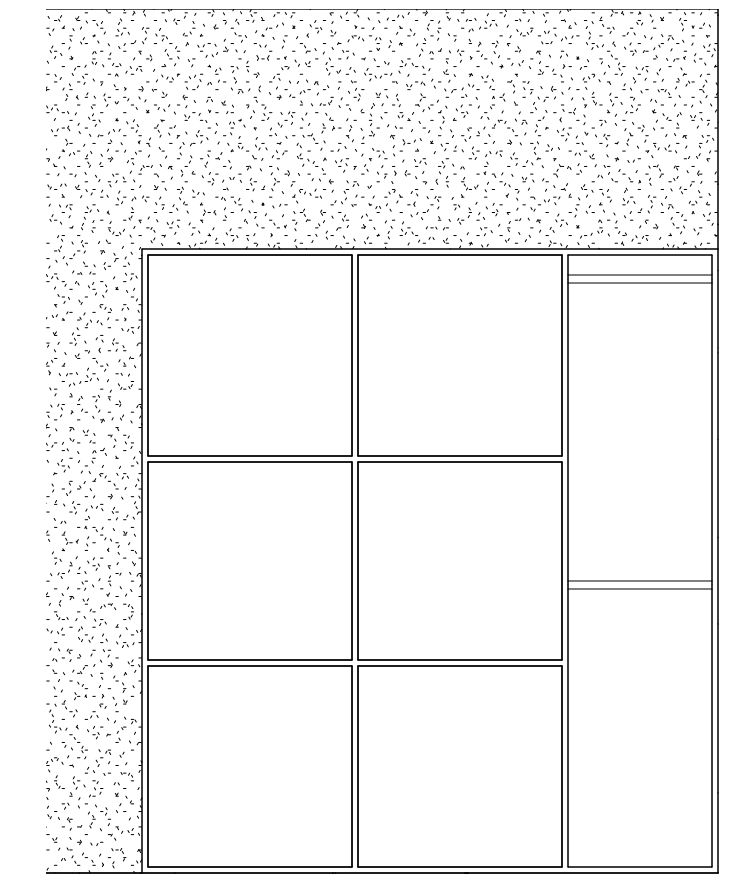
3 INTERIOR ELEVATION
1/2" = 1'-0"



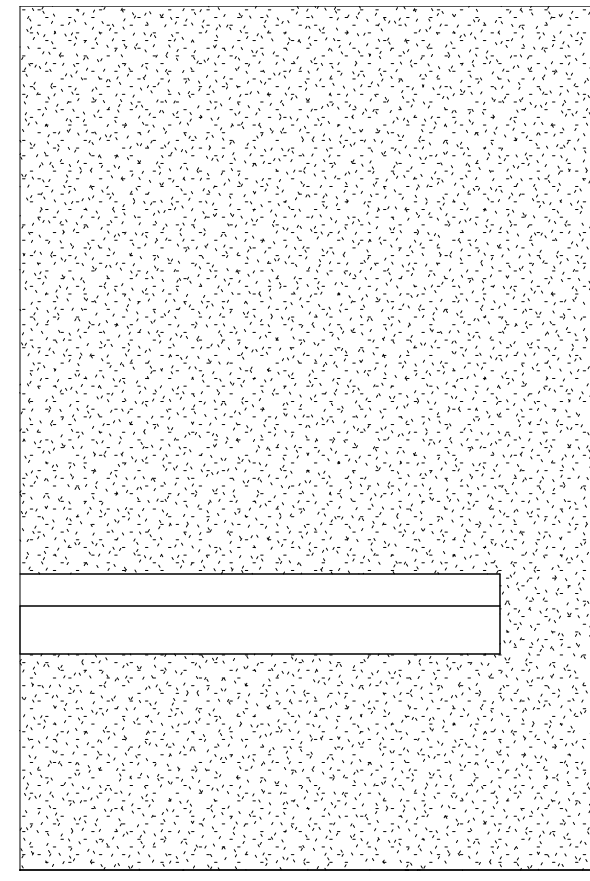
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1/2" = 1'-0"



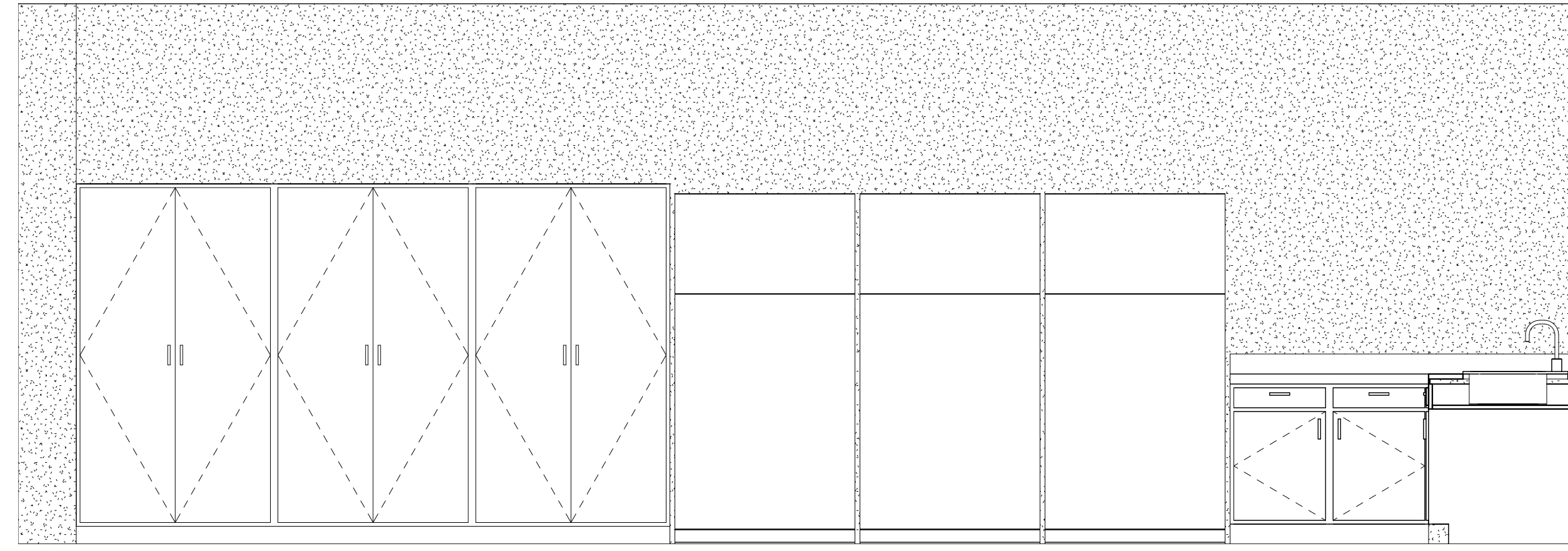
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1/2" = 1'-0"



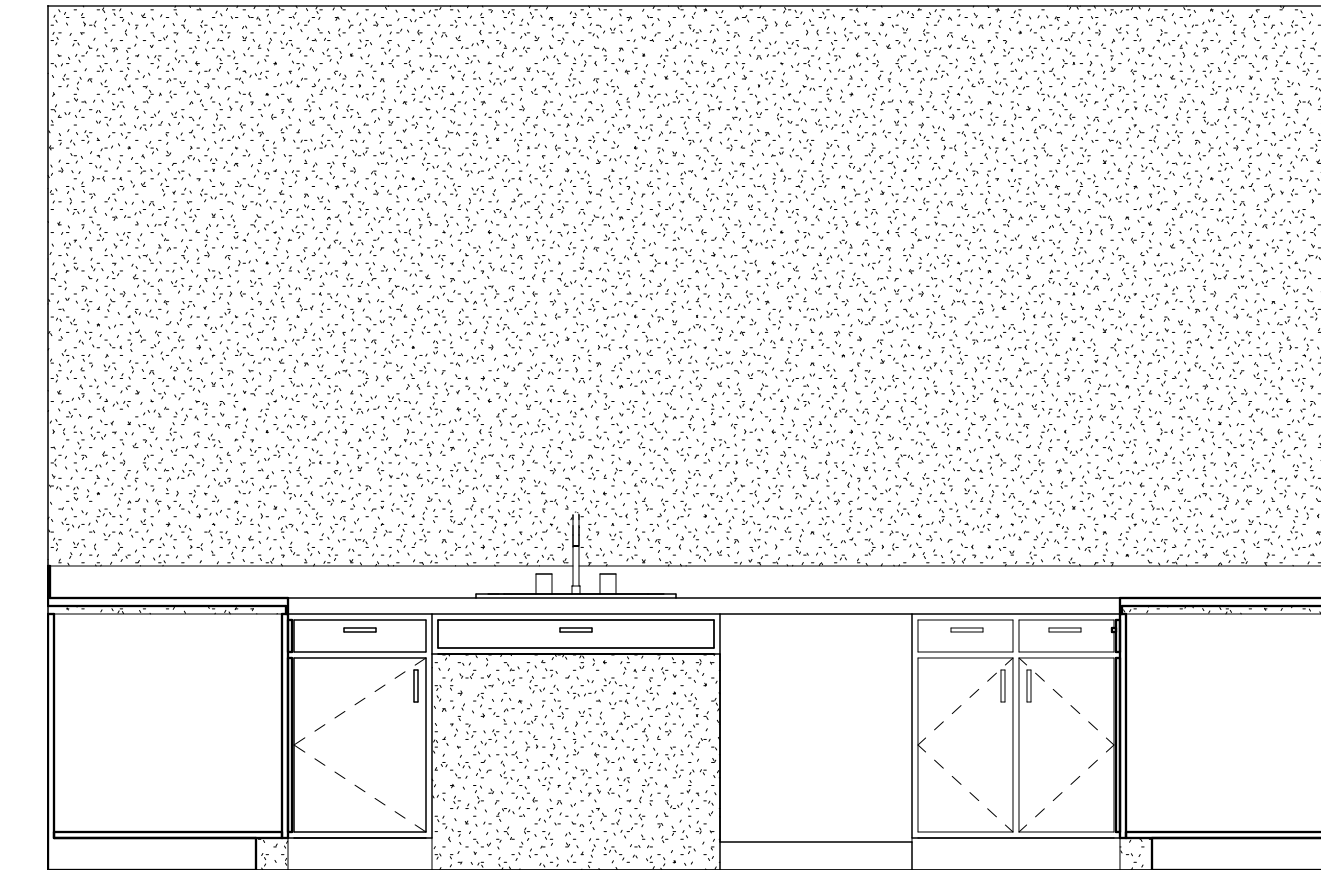
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1/2" = 1'-0"



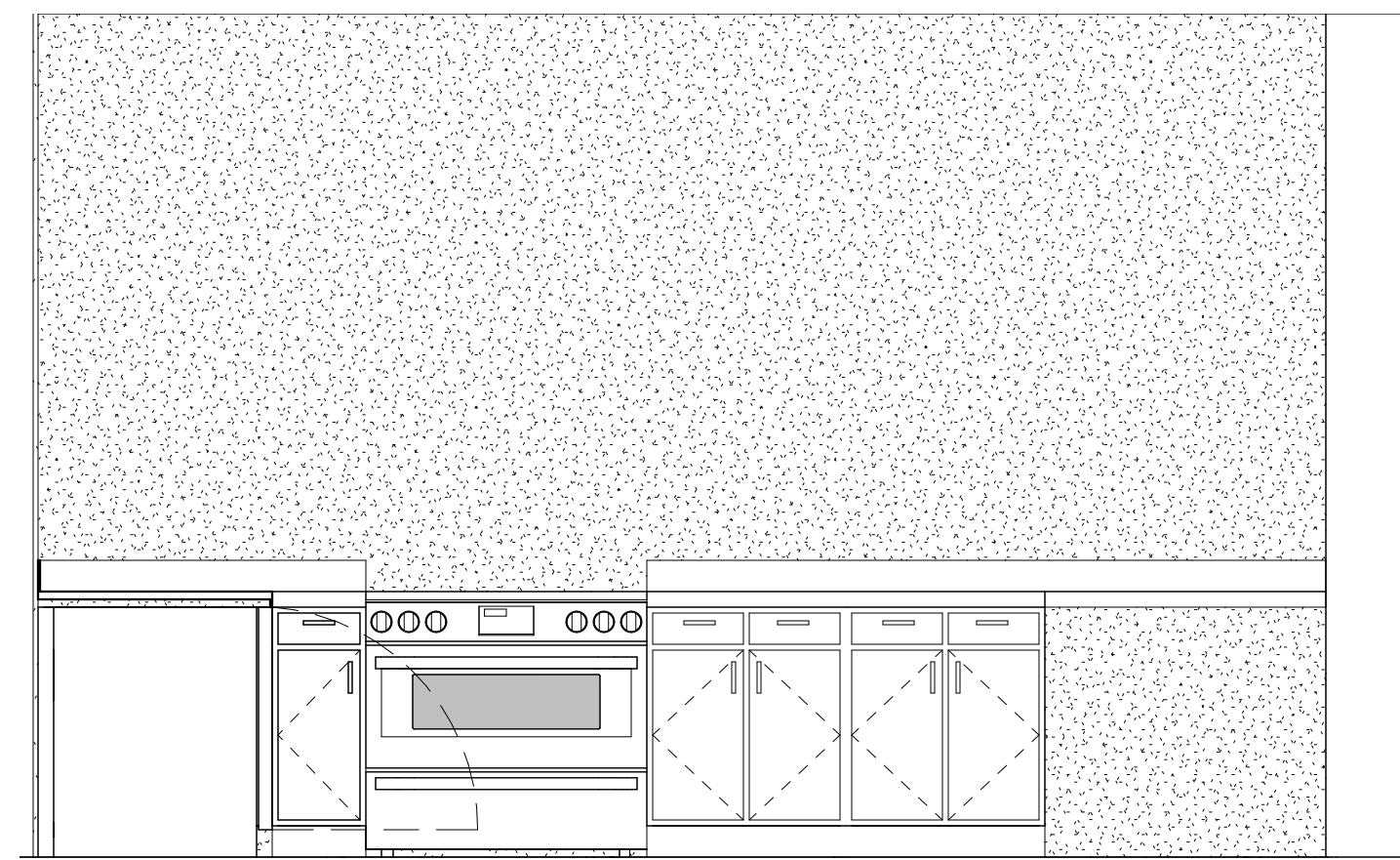
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1/2" = 1'-0"



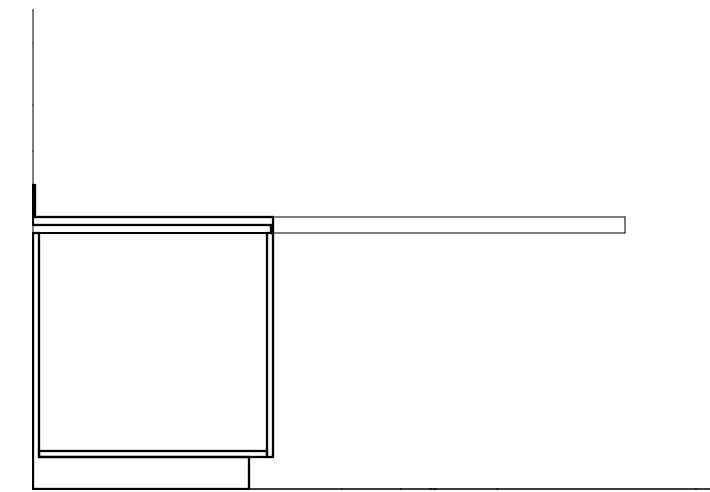
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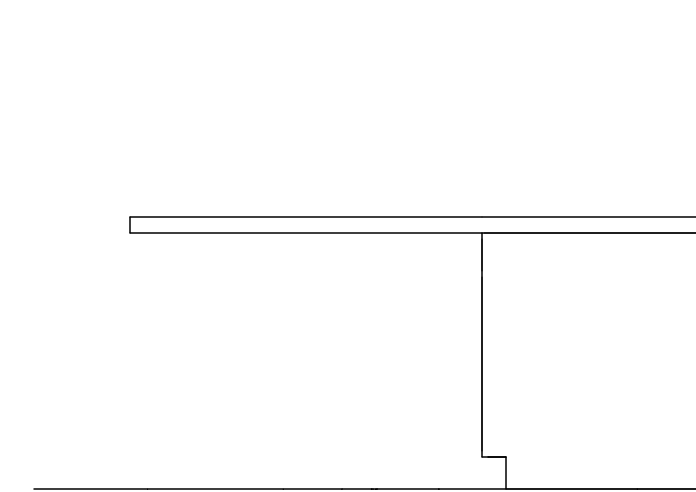
9 INTERIOR ELEVATION
1/2" = 1'-0"



10 INTERIOR ELEVATION
1/2" = 1'-0"



11 INTERIOR ELEVATION
1/2" = 1'-0"



12 INTERIOR ELEVATION
1/2" = 1'-0"

| NUMBERED NOTES | |
|----------------|------|
| NUMBER | NOTE |
| | |

Project Number: SCEMS-23
 Date: 3/29/24
 Scale: 1/2" = 1'-0"
**INTERIOR ELEVATIONS
 AND MILLWORK**

A2.1

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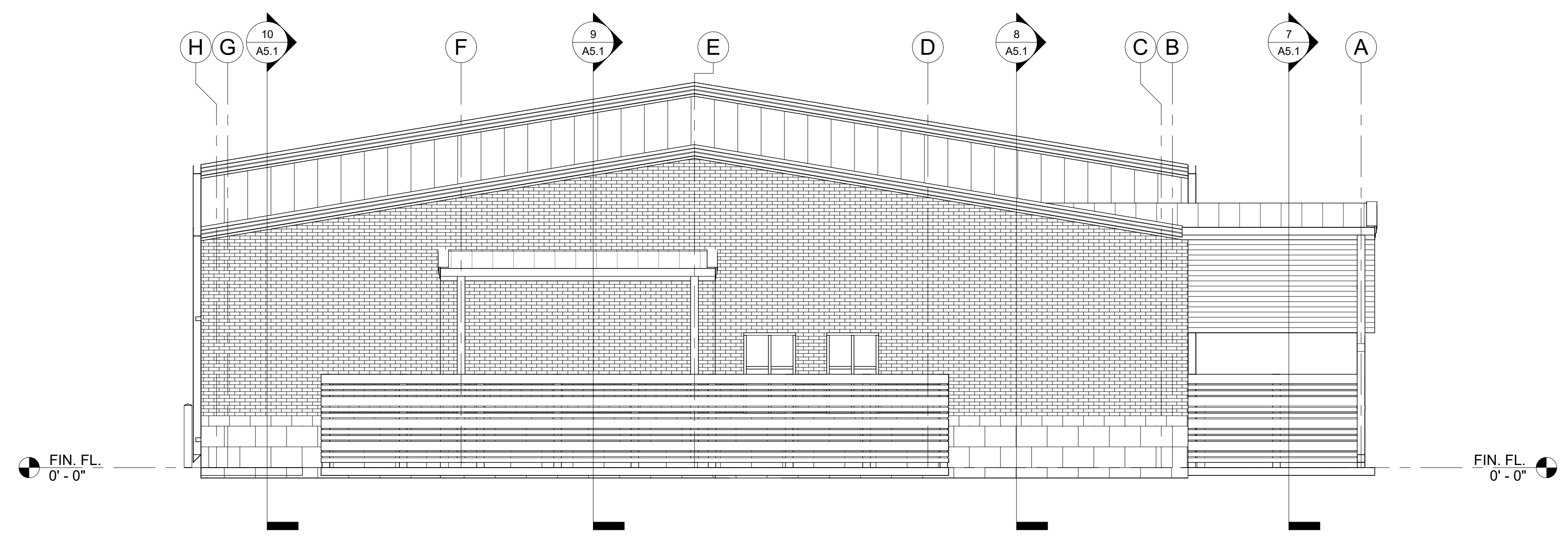
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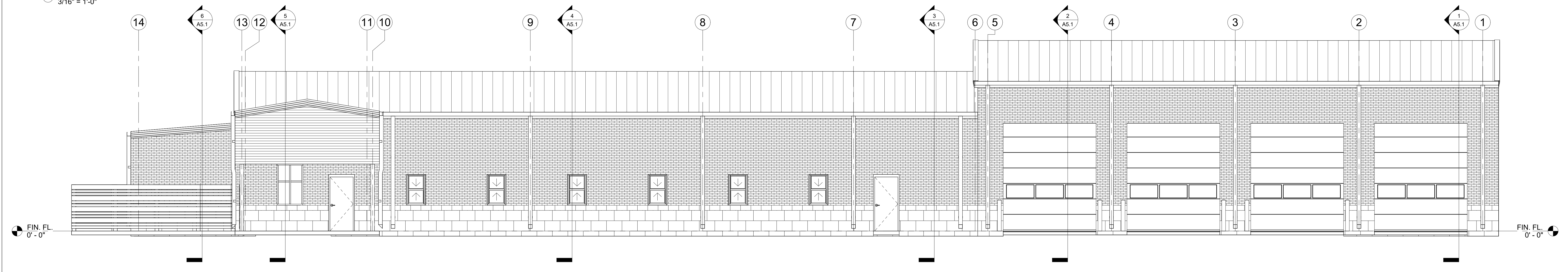
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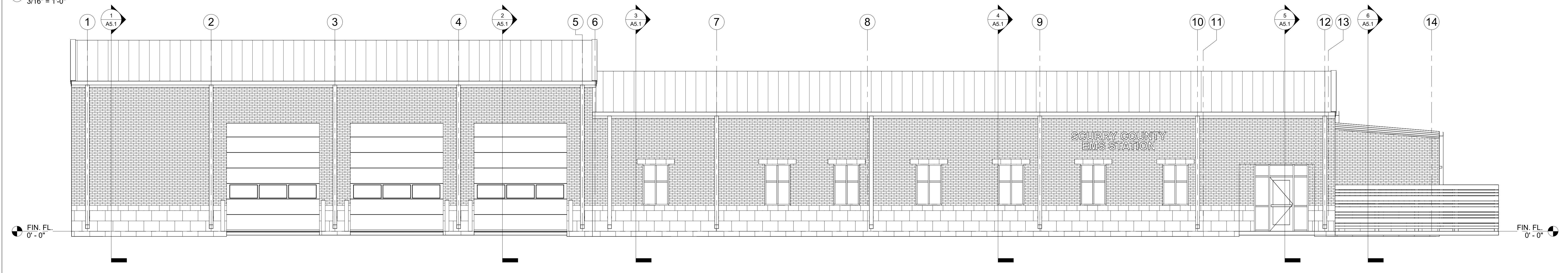
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| Scale | 3/16" = 1'-0" |



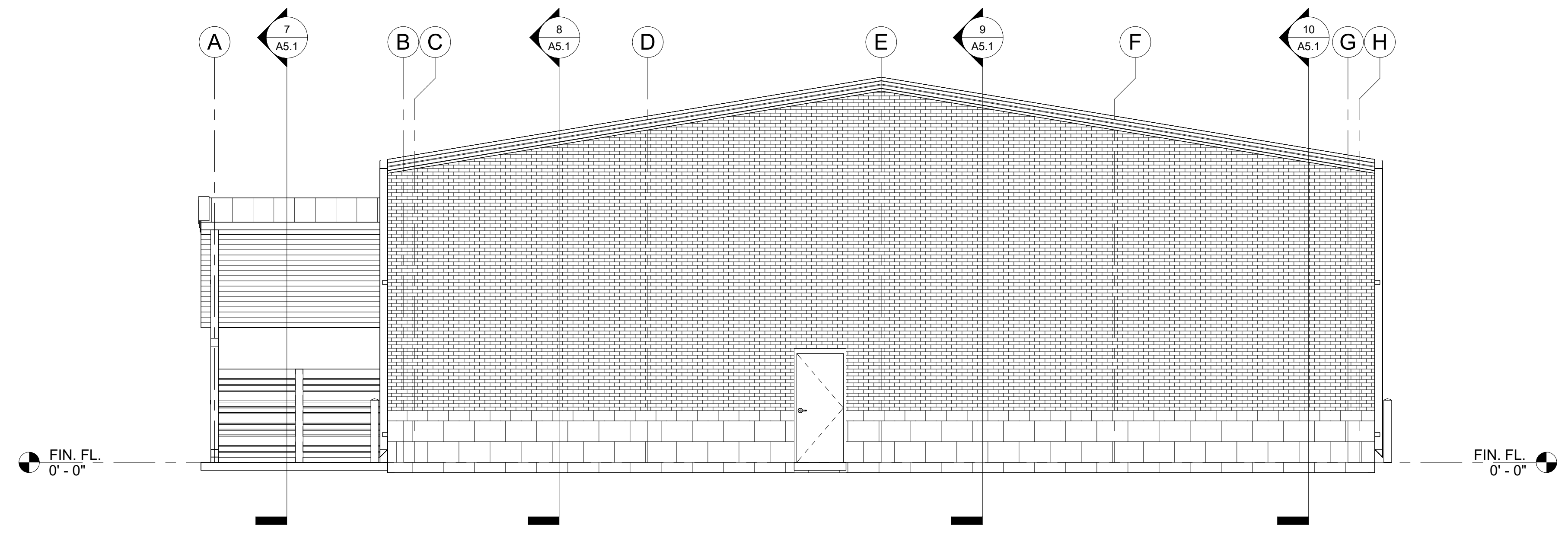
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3/16" = 1'-0"



2 NORTH ELEVATION
3/16" = 1'-0"



3 SOUTH ELEVATION
3/16" = 1'-0"

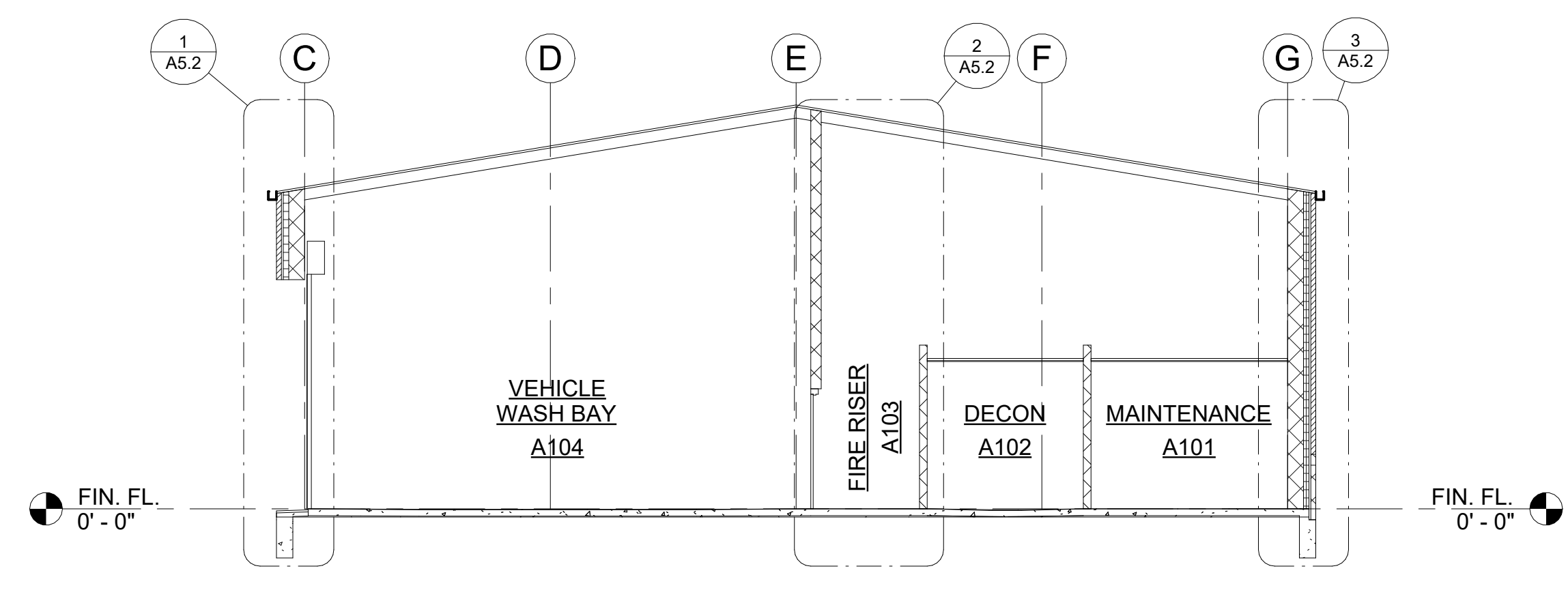


4 WEST ELEVATION
3/16" = 1'-0"

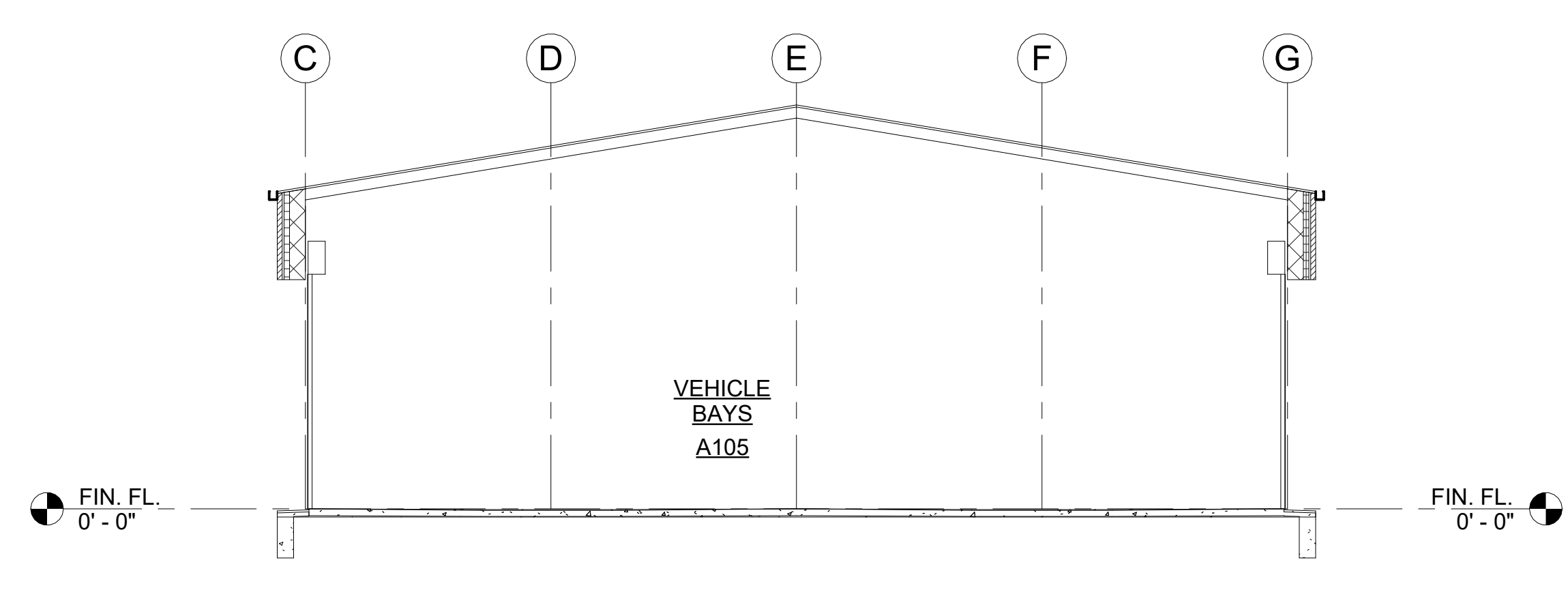
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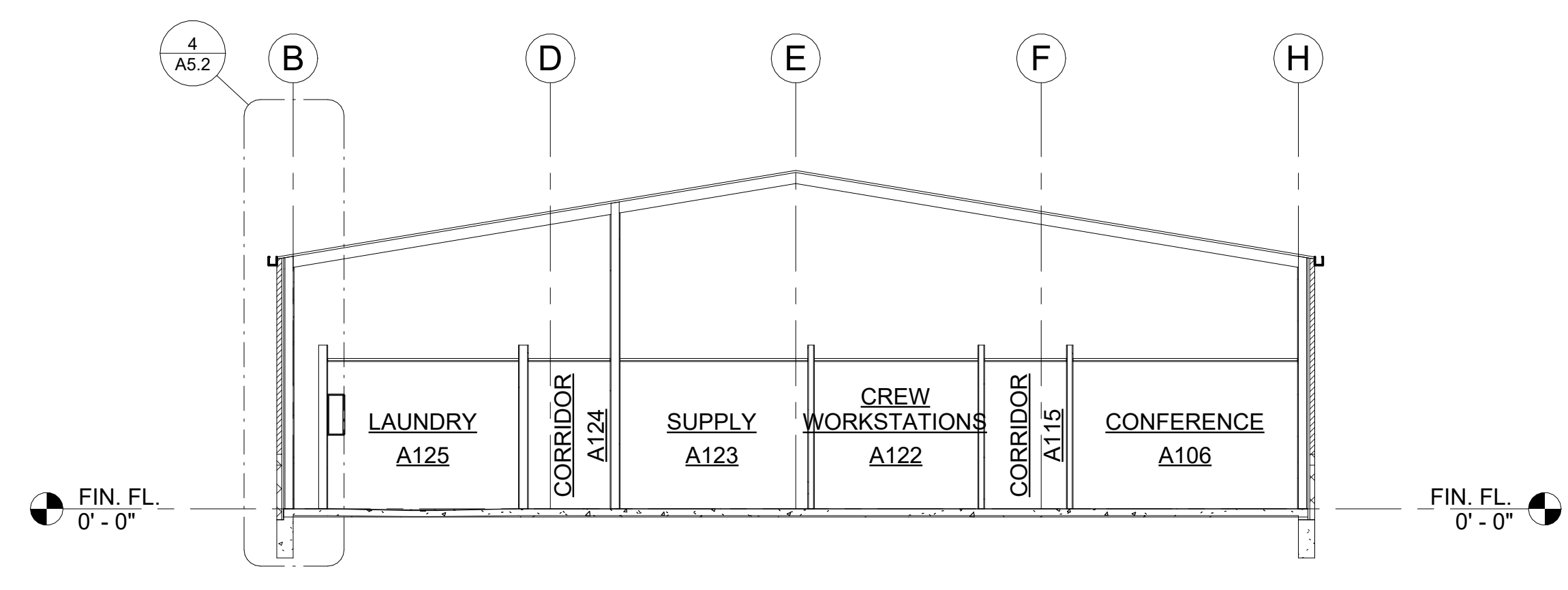
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| Scale | 1/8" = 1'-0" |



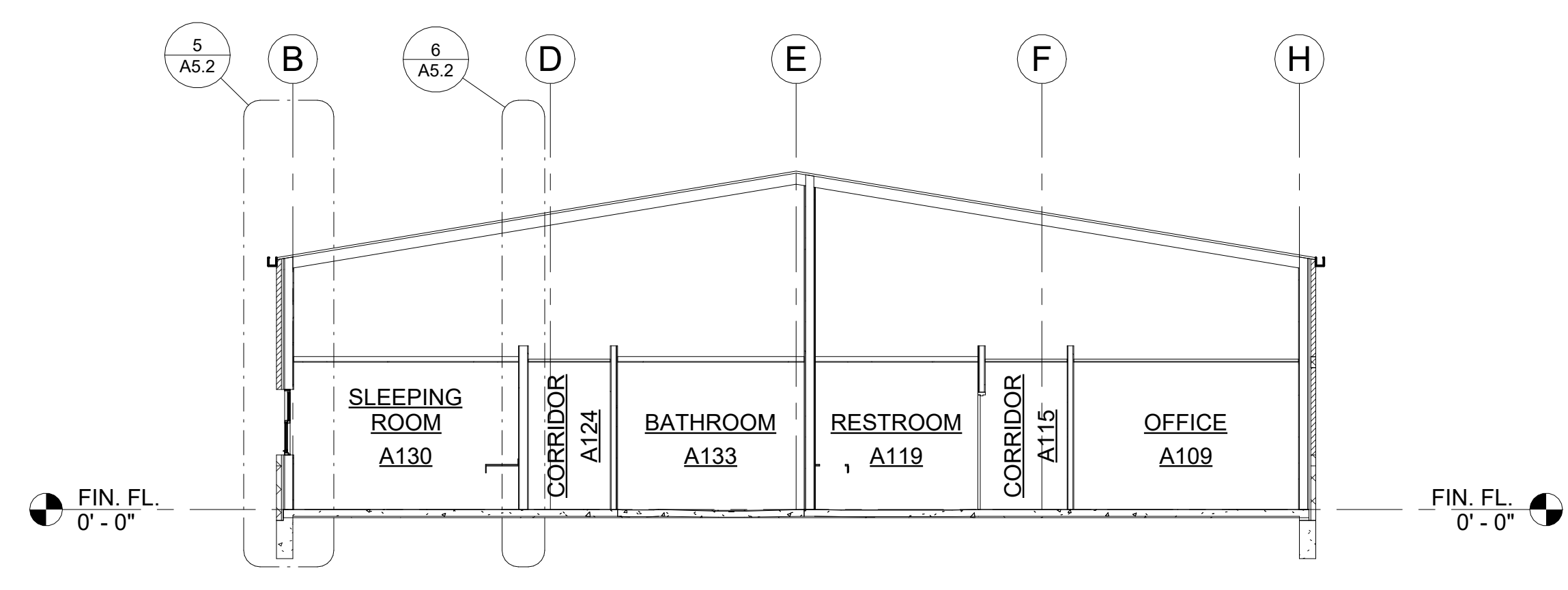
1 BUILDING SECTION
1/8" = 1'-0"



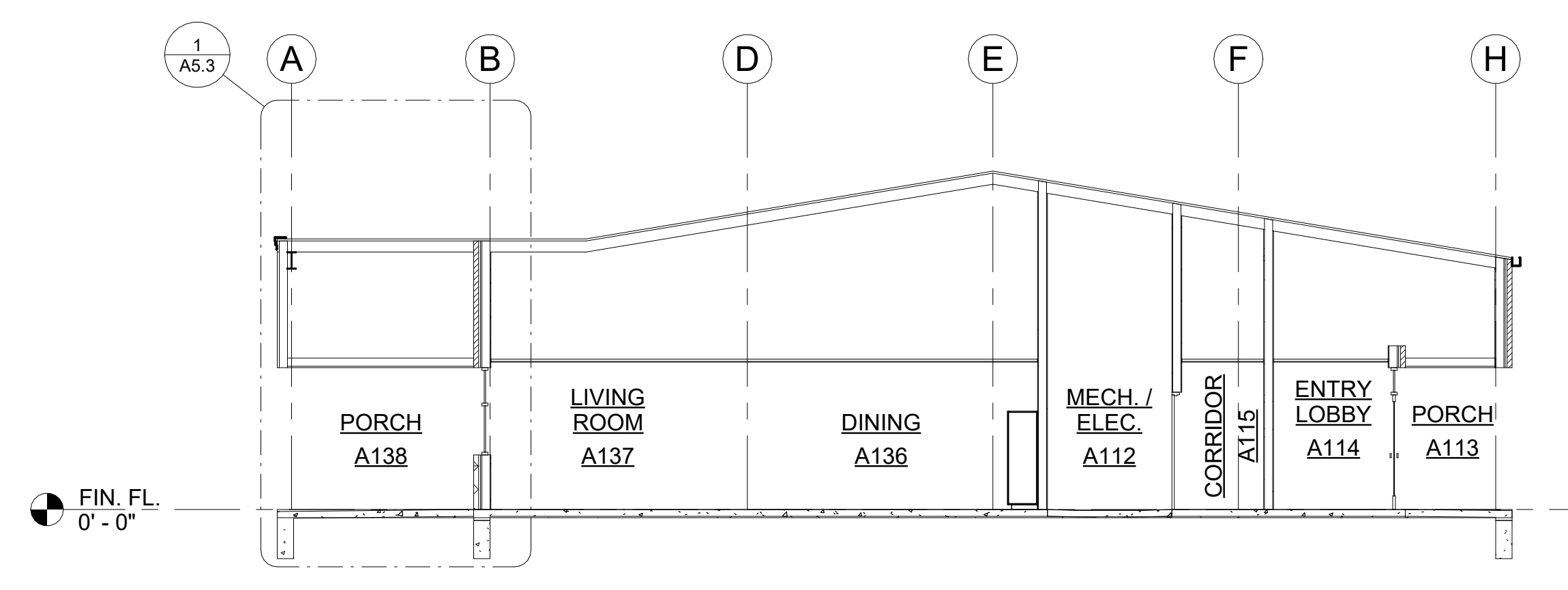
2 BUILDING SECTION
1/8" = 1'-0"



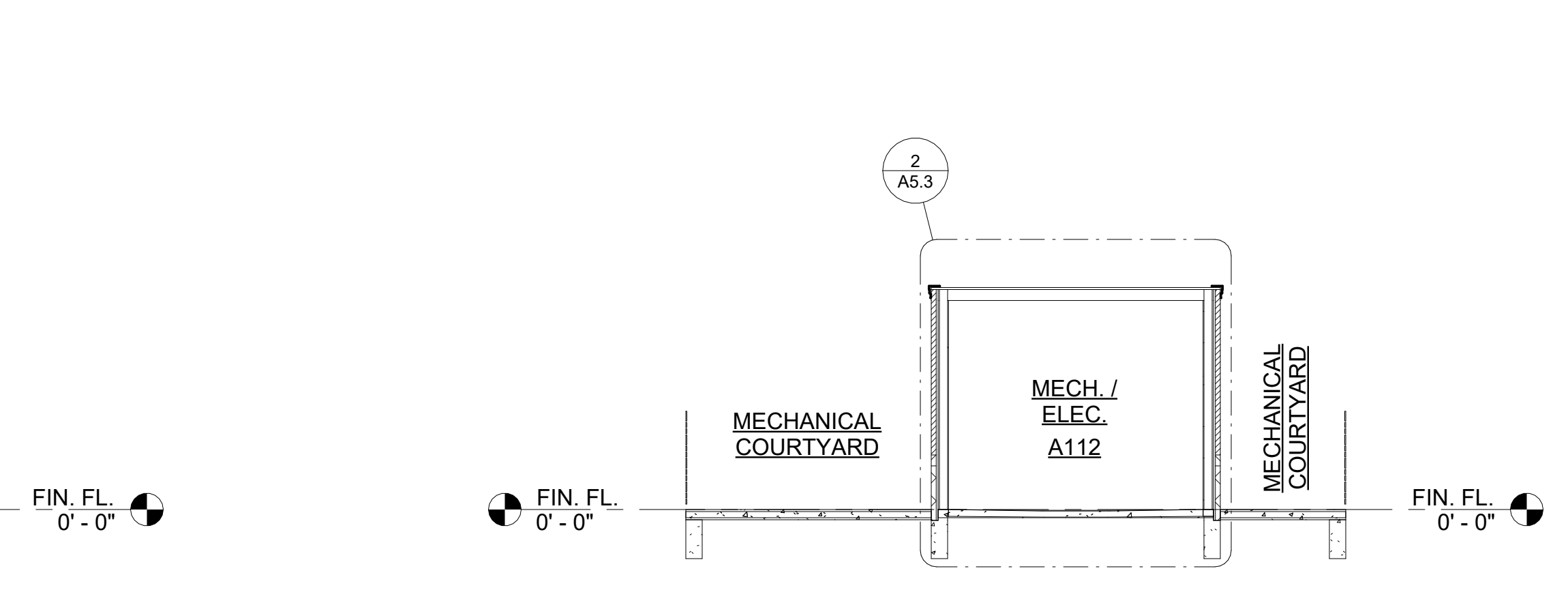
3 BUILDING SECTION
1/8" = 1'-0"



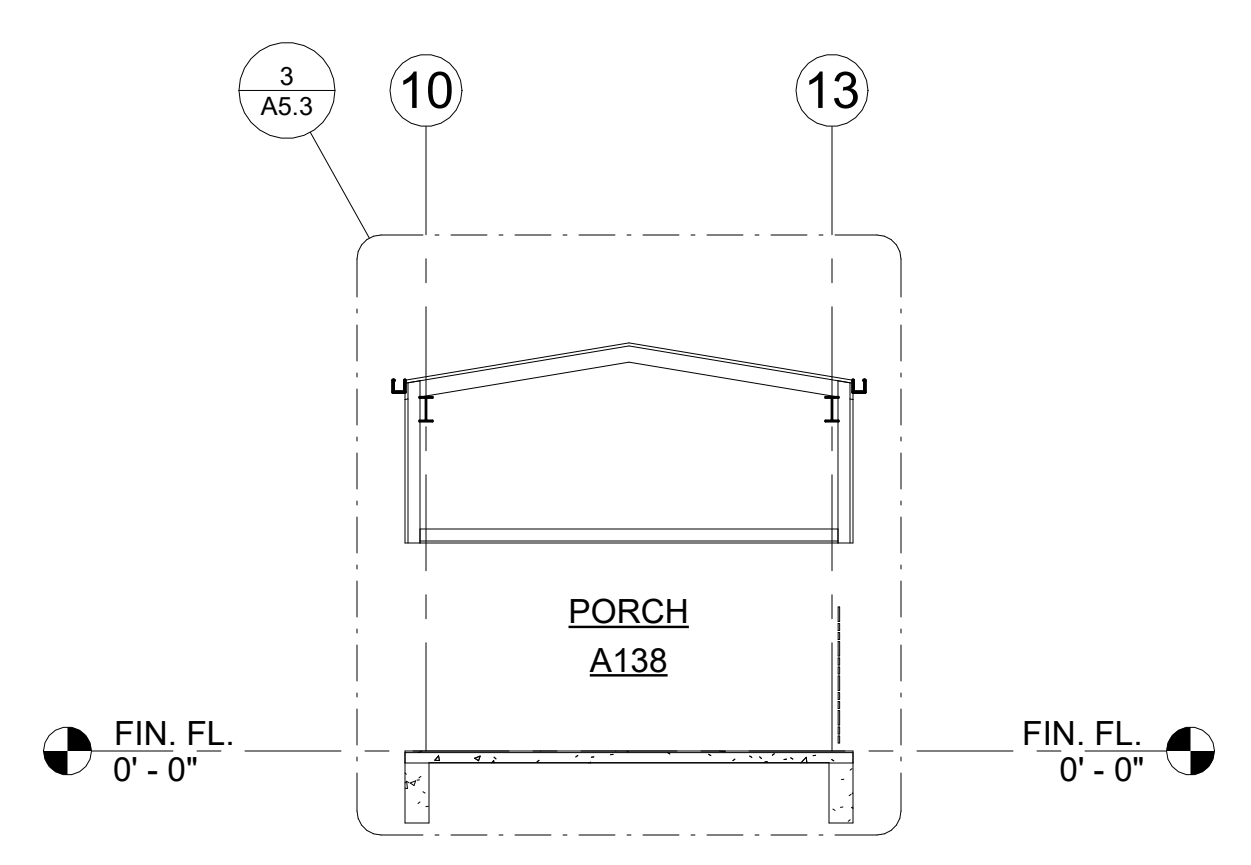
4 BUILDING SECTION
1/8" = 1'-0"



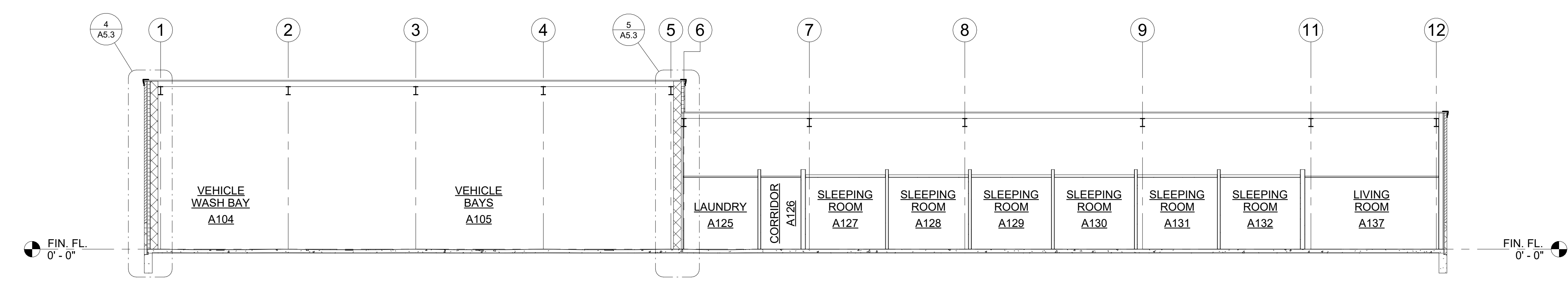
5 BUILDING SECTION
1/8" = 1'-0"



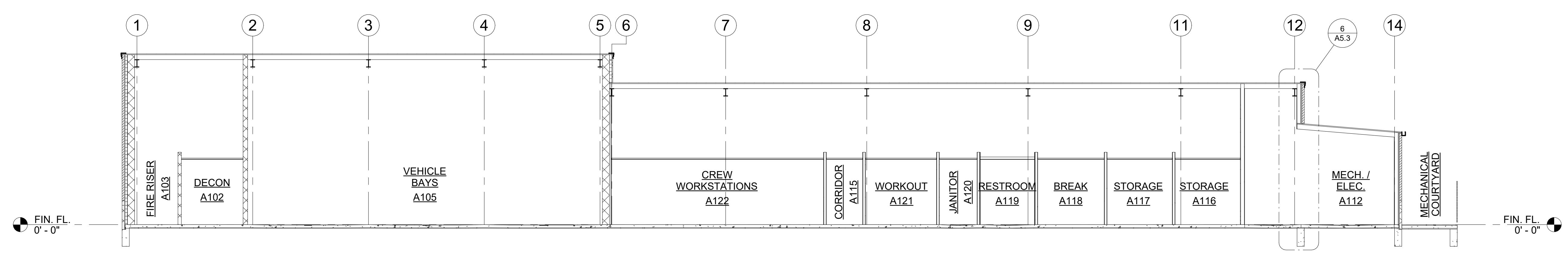
6 BUILDING SECTION
1/8" = 1'-0"



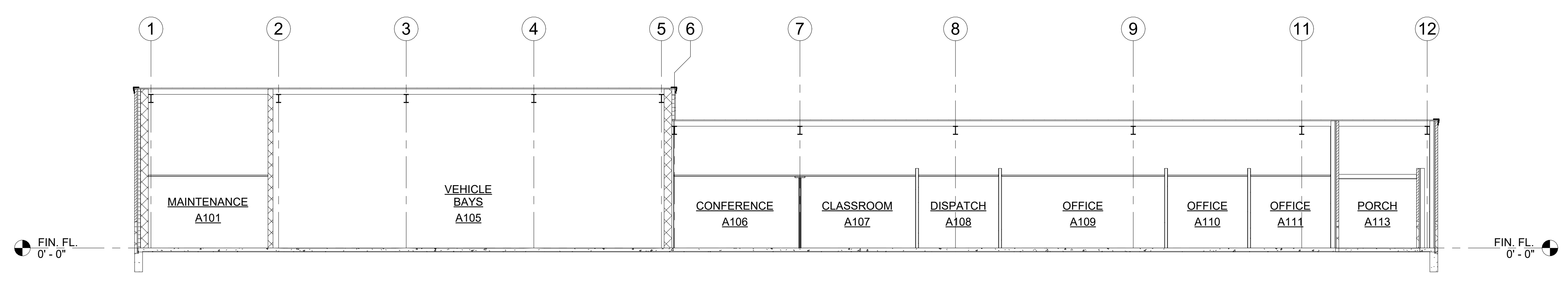
7 BUILDING SECTION
1/8" = 1'-0"



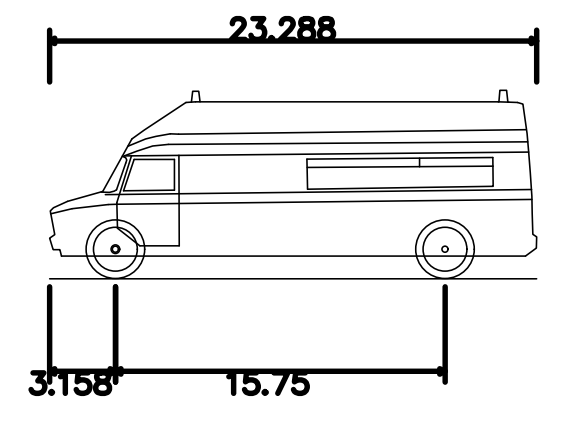
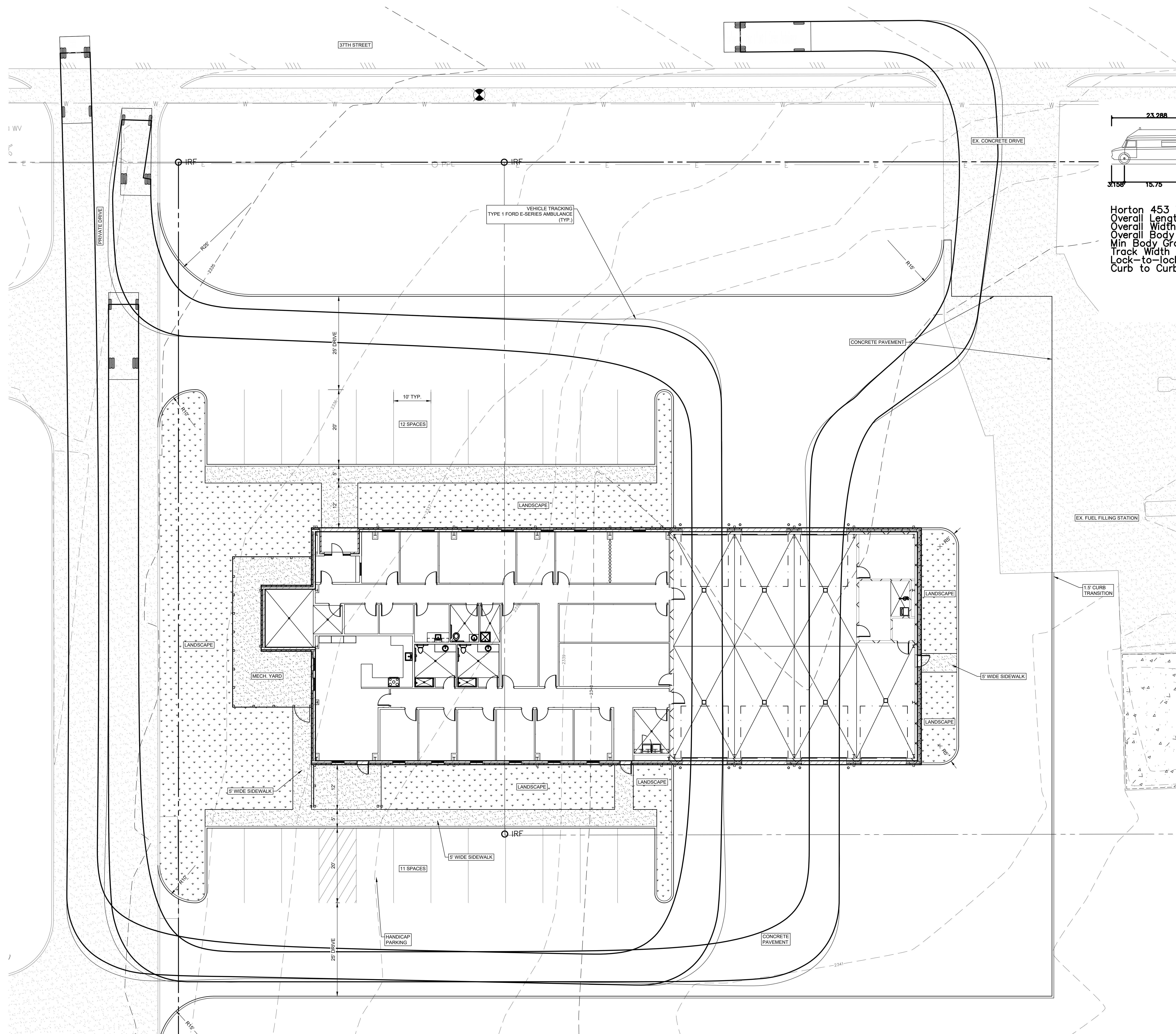
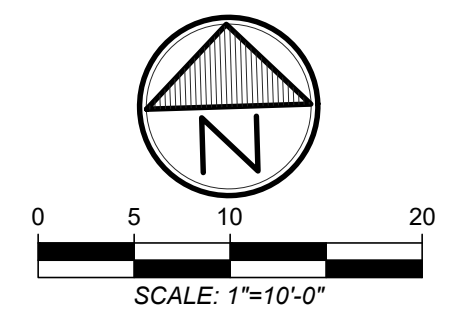
8 BUILDING SECTION
1/8" = 1'-0"



9 BUILDING SECTION
1/8" = 1'-0"



10 BUILDING SECTION
1/8" = 1'-0"



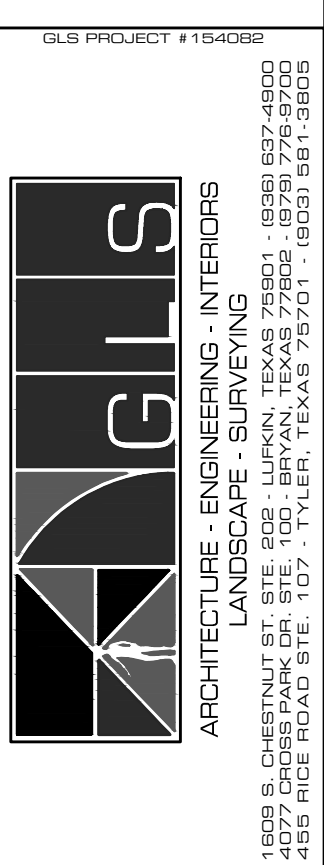
Horton 453 Type I Ford E-Series Ambulance
 Overall Length 23.288ft
 Overall Width 9.021ft
 Overall Body Height 9.000ft
 Min Body Ground Clearance 1.075ft
 Track Width 9.021ft
 Lock-to-lock time 3.00s
 Curb to Curb Turning Radius 27.400ft



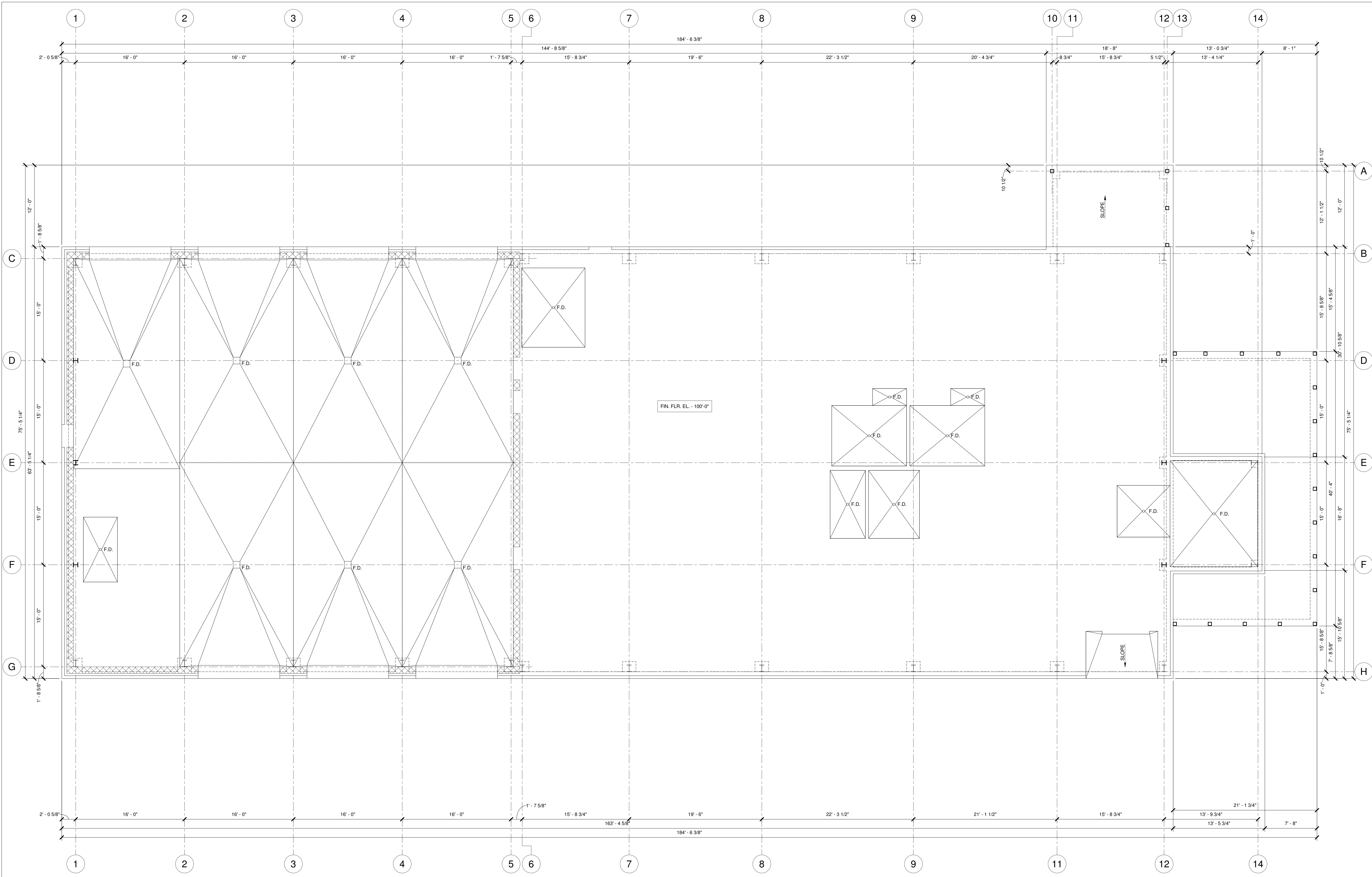
BURNS ARCHITECTURE, LLC
 P.O. BOX 2639
 GALVESTON, TX 77553
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SCURRY COUNTY
 EMS STATION
 SNYDER, TEXAS

NOTE: DO NOT SCALE DRAWING
SCHEMATIC DESIGN
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Project Number SCEMS-23
 Date 03/29/2024
 Scale 1" = 20'-0"
SITE LAYOUT - SCHEMATIC DESIGN



1 FOUNDATION PLAN
3/16" = 1'-0"

THE BUILDING SUPERSTRUCTURE IS PRE-MANUFACTURED METAL BUILDING FRAMING AND METAL ROOF. EXTERIOR MASONRY WALLS SHALL BE NON-LOADBEARING, REINFORCED AND BRACED AS REQUIRED TO METAL BUILDING FRAMES. EXTERIOR WALL FRAMING AT THE OFFICE AREAS WILL BE MIN. 6" METAL STUDS @ 16" O.C. (DESIGN BY OTHERS). THE BUILDING FOUNDATION IS ANTICIPATED TO BE MIN. 12" WIDE BY 36" DEEP PERIMETER CONCRETE BEAMS OVER VOID FORMS, SUPPORTED BY DRILLED PIERS LOCATED UNDER COLUMNS AND AS REQUIRED. CONCRETE BEAMS UNDER MASONRY WALLS AT THE VEHICLE BAYS WILL BE MIN. 20" WIDE BY 36" DEEP. THE FLOOR SLAB IS ANTICIPATED TO BE REINFORCED SLAB-ON-GRADE CONSTRUCTION WITH STIFFENING RIB BEAMS, OVER MOISTURE CONDITIONED, MODIFIED SOILS. SLAB THICKNESS IN THE OFFICE AREA SHALL BE 5" THICK REINFORCED W/ #4 @ 15" O.C.E.W. SLAB THICKNESS AT THE VEHICLE BAYS SHALL BE 8" THICK REINFORCED W/ #4 @ 10" O.C.E.W. ALTERNATIVELY, PERIMETER WALLS, MASONRY WALLS, AND COLUMNS MAY BE SUPPORTED WITH CONTINUOUS AND ISOLATED CONCRETE FOOTINGS ON NATIVE OR IMPROVED SOILS. FOUNDATION SYSTEM SHALL BE VERIFIED UPON REVIEW OF THE GEOTECHNICAL REPORT WHEN MADE AVAILABLE.

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FWN&A
Structural Engineering
Frank W. Neal & Assoc., Inc. 817-332-1944
fwna-eng.com
1015 W. Broadway Ave. Texas Firm Reg. No. F-296
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SCURRY COUNTY
EMIS
SNYDER, TEXAS

| No. | Revision | Date |
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| | | |

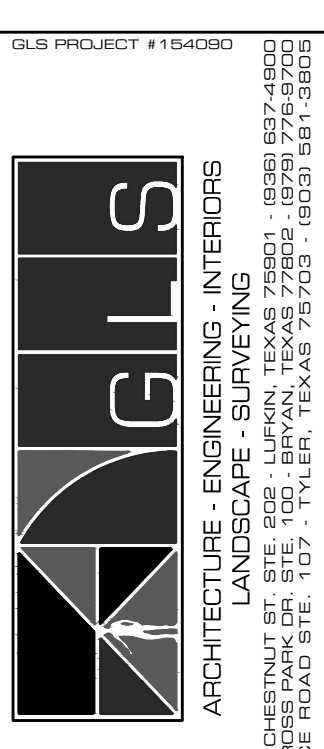
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Project Number: SCEMS-23
Date: 03/27/24
Scale: 3/16" = 1'-0"
FOUNDATION PLAN
S2.1

| No. | Revision | Date |
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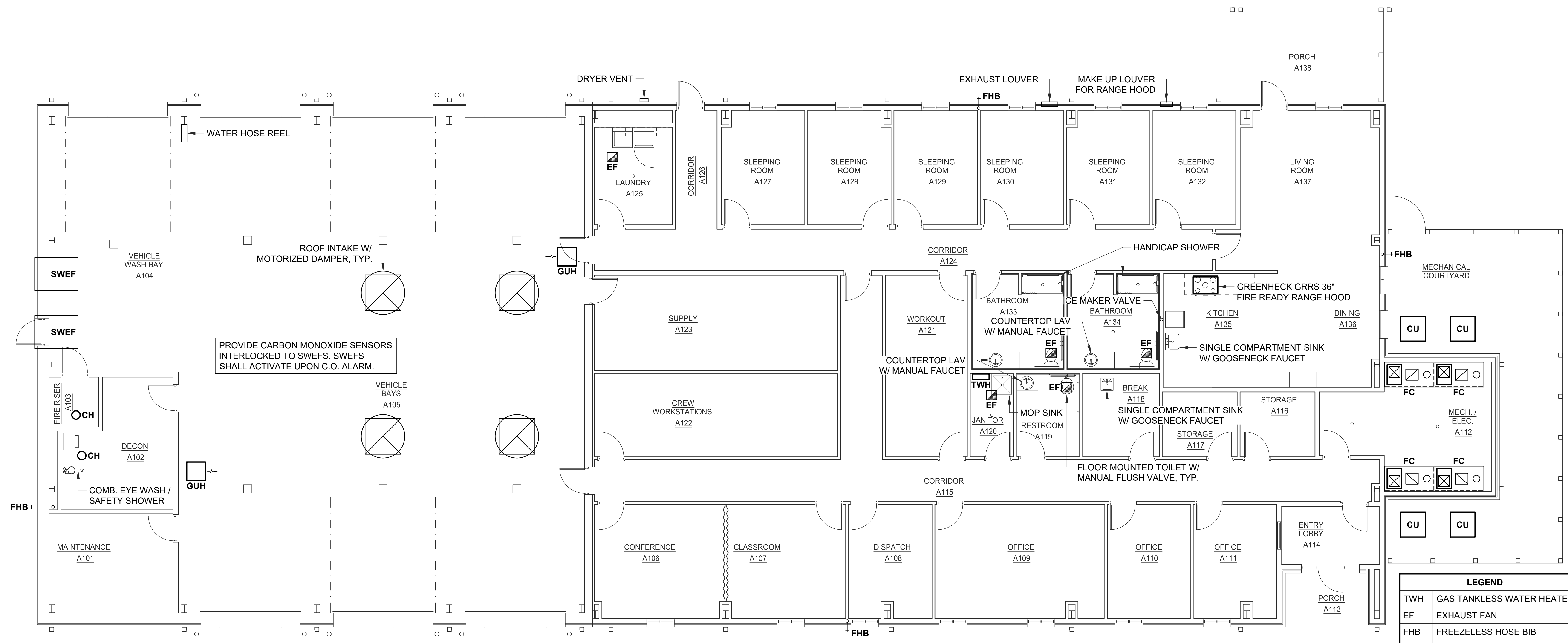
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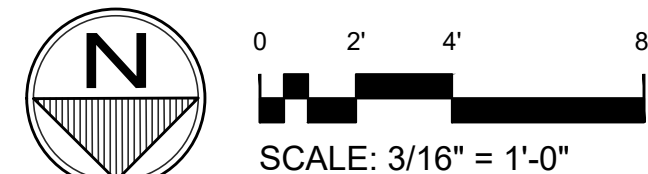
Project Number: SCEMS-23
Date: 3/16/23
Scale: 3/16" = 1'-0"
**MECHANICAL & PLUMBING
MARK UP**

MP1



PROVIDE CARBON MONOXIDE SENSORS
INTERLOCKED TO SWEFS. SWEFS
SHALL ACTIVATE UPON C.O. ALARM.

| LEGEND | |
|--------|---------------------------|
| TWH | GAS TANKLESS WATER HEATER |
| EF | EXHAUST FAN |
| FHB | FREEZELESS HOSE BIB |
| FC | GAS FURNACE |
| CU | CONDENSING UNIT |
| SWEF | SIDE WALL EXHAUST FAN |
| CH | ELECTRIC CEILING HEATER |
| GUH | GAS UNIT HEATER |

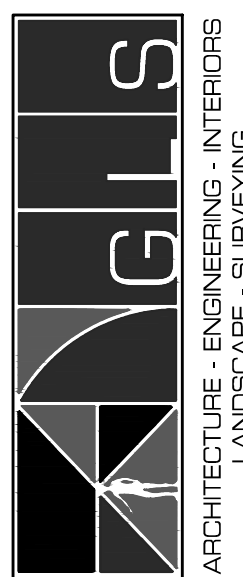


| No. | Revision | Date |
|-----|----------|------|
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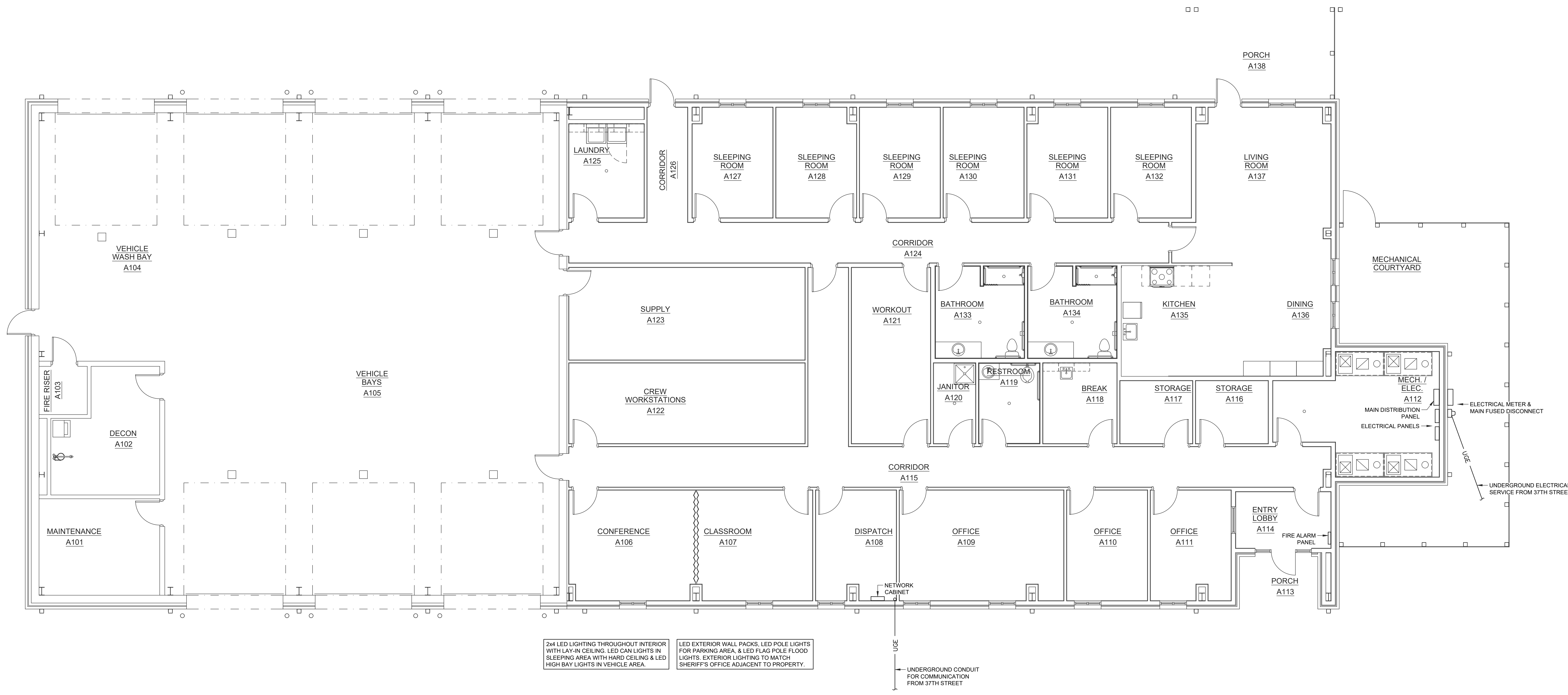
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PROJECT #190300



GLS
ARCHITECTURE - ENGINEERING - INTERIORS
LANDSCAPE - SURVIVING
1600 S. CHESTNUT ST. STE. 100, FORT WORTH, TX 76102
817.335.4444

Project Number: SCEMS-23
Date: 3/16/23
Scale: 3/16"=1'-0"
ELECTRICAL PLAN
E1

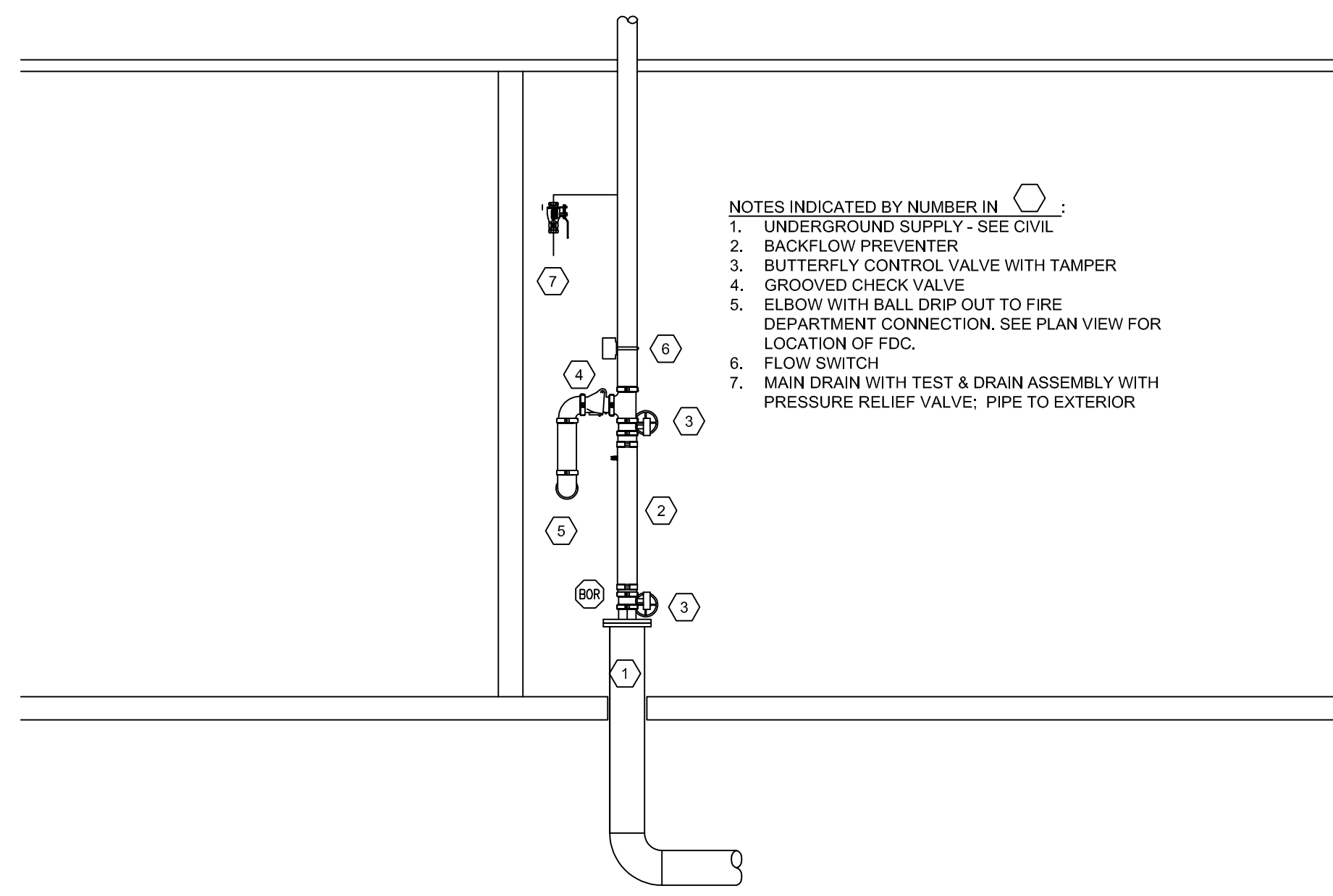


24 LED LIGHTING THROUGHOUT INTERIOR WITH LAY-IN CEILING, LED CAN LIGHTS IN SLEEPING AREA WITH HARD CEILING & LED HIGH BAY LIGHTS IN VEHICLE AREA.

LED EXTERIOR WALL PACKS, LED POLE LIGHTS FOR PARKING AREA, & LED FLAG POLE FLOOD LIGHTS. EXTERIOR LIGHTING TO MATCH SHERIFF'S OFFICE ADJACENT TO PROPERTY.

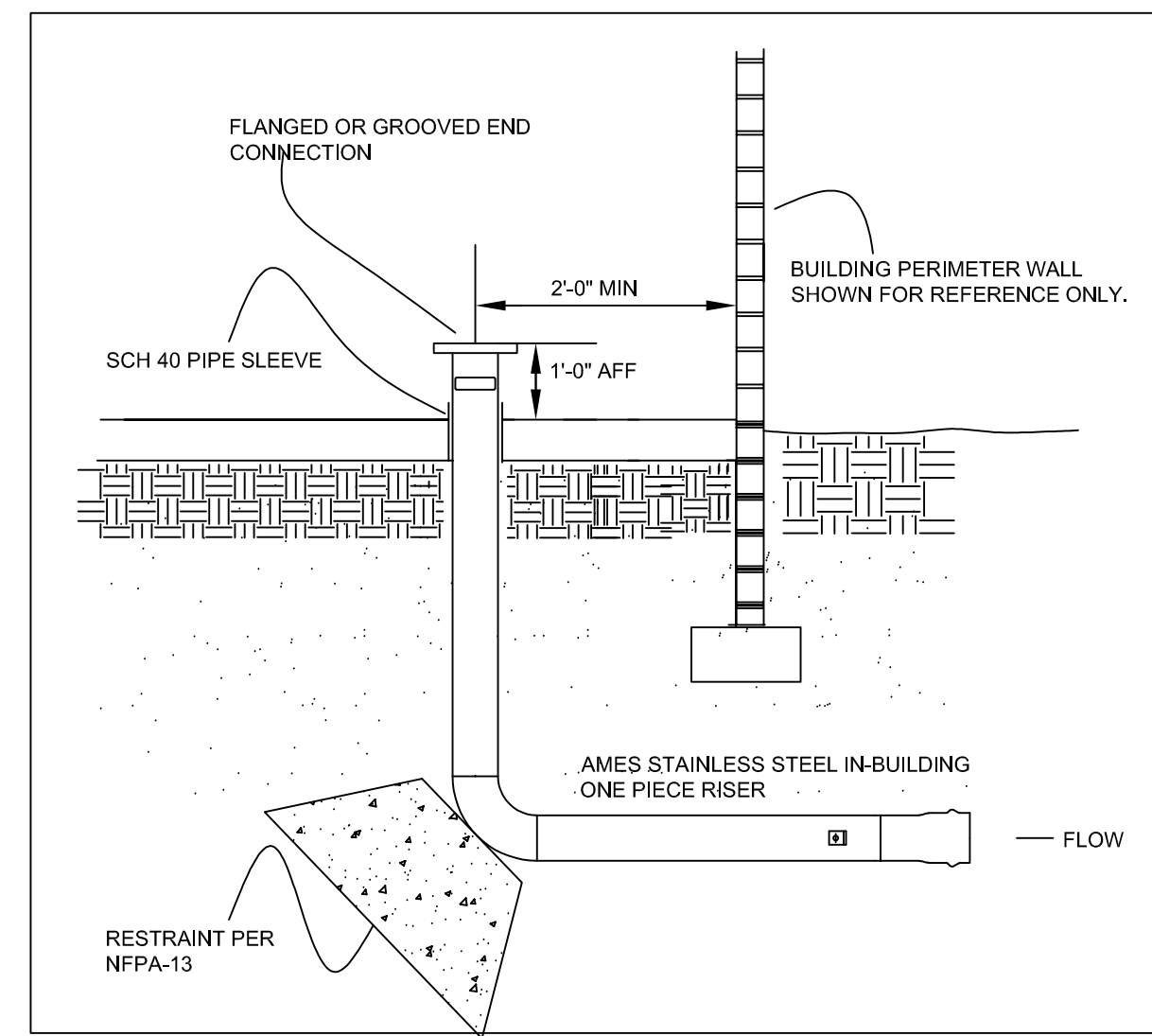
UNDERGROUND CONDUIT FOR COMMUNICATION FROM 37TH STREET





- NOTES INDICATED BY NUMBER IN :
1. UNDERGROUND SUPPLY - SEE CIVIL
 2. BACKFLOW PREVENTER
 3. BUTTERFLY CONTROL VALVE WITH TAMPER
 4. GROOVED CHECK VALVE
 5. ELBOW WITH BALL DRIP OUT TO FIRE DEPARTMENT CONNECTION, SEE PLAN VIEW FOR LOCATION OF FDC.
 6. FLOW SWITCH
 7. MAIN DRAIN WITH TEST & DRAIN ASSEMBLY WITH PRESSURE RELIEF VALVE; PIPE TO EXTERIOR

③ RISER DETAIL
1/2" = 1'-0"



② SPIGOT DETAIL
NO SCALE

| SPRINKLER SYMBOL DESCRIPTION | | | | | |
|------------------------------|------|--------|--------|------|----------|
| SYMBOL | SIZE | FINISH | STYLE | TEMP | K-FACTOR |
| | 1/2" | CHR | OR REC | ORD | 5.6 |
| | 1/2" | BZ | OR UPR | INT | 5.6 |
| | 1/2" | BZ | OR HSW | INT | 5.6 |
| | | | | | |
| | | | | | |
| | | | | | |



TRUE NORTH
① OVERALL - FIRST FLOOR - FIRE SPRINKLER PLAN
3/16" = 1'-0"