



ALI AL SALEM AB, KUWAIT
KMOD – KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITES
KU-509974-2

VOLUME 3 - FACILITY C - LOGISTICS READINESS CENTER



SOLICITATION NO.: W912ER26RA016

CONTRACT NO.:

ISSUE DATE: JULY 2026

VOLUME 3 OF 14

INDEX OF VOLUMES	
VOLUME NUMBER	VOLUME TITLE
1	GENERAL NOTES AND SITE DESIGN
2	FACILITY A - ALERT SHELTER
3	FACILITY C - LOGISTICS READINESS CENTER
4	FACILITY D - MAINTENANCE SUPPLY WAREHOUSE
5	FACILITY E - ALERT MAGAZINE
6	FACILITY F - GUARD HOUSE
7	FACILITY G1 - SUNSHADES - SINGLE
8	FACILITY H - PILOT READINESS FACILITY
9	FACILITY J - POL SHED
10	FACILITY K - SUBSTATION
11	FACILITY M - STORAGE SHADE
12	FACILITY N - WASH RACK SUNSHADE
13	FACILITY O - FIRE WATER PUMP HOUSE
14	FACILITY STD - STANDARD DETAILS

[illegible]

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PINE BLVD. WINCHESTER, VA 22602	DESIGNED BY: DRAWN BY: CHECKED BY: E. STILLMAN	ISSUE DATE: SOLUTION NO.: W912ER26RA016 CONTRACT NO.: E. STILLMAN	PILOT DATE: 7/74/2626 11:33 PM
ISO A1	FILE NAME: KO-509874-2C-31001	SIZE:	

LOGISTICS READINESS CENTER
FACILITY COVER SHEET

SHEET ID
C
GI001

INDEX OF DRAWINGS				
KU-509974-2 - FACILITY C - LOGISTICS READINESS CENTER				
SHEET ID	FILE NAME	REV. NO.	AM/COP NO.	SHEET TITLE
AE501	KU-509974-2C-AE501			PLAN DETAILS
AE601	KU-509974-2C-AE601			SCHEDULES
AE701	KU-509974-2C-AE701			GROUND FLOOR MARKINGS FLOOR PLAN - COMPOSITE
AE702	KU-509974-2C-AE702			GROUND FLOOR MARKING PLAN - AREA A
AE703	KU-509974-2C-AE703			GROUND FLOOR MARKING PLAN - AREA B
AE704	KU-509974-2C-AE704			GROUND FLOOR MARKING PLAN - AREA C
AE705	KU-509974-2C-AE705			GROUND FLOOR MARKING PLAN - AREA D
AE901	KU-509974-2C-AE901			EXTERIOR PERSPECTIVE
INTERIORS				
IN101	KU-509974-2C-IN101			FINISH PLAN, SCHEDULE & NOTES - GROUND FLOOR
IG101	KU-509974-2C-IG101			SIGNAGE PLAN - GROUND FLOOR
FIRE PROTECTION				
FA101	KU-509974-2C-FA101			FIRE ALARM SYSTEM PLAN - GROUND FLOOR
FA102	KU-509974-2C-FA102			INFRARED FLAME DETECTOR AND CALL POINTS PLAN - GROUND FLOOR
FA301	KU-509974-2C-FA301			DRAFT CURTAIN DEPTH - SECTION VIEW
FA501	KU-509974-2C-FA501			FIRE ALARM SYSTEM MOUNTING DETAILS
FA601	KU-509974-2C-FA601			FIRE ALARM SCHEDULE AND DIAGRAMS
FX101	KU-509974-2C-FX101			FIRE SUPPRESSION HAZARD CLASSIFICATIONS - GROUND FLOOR - OVERALL
FX102	KU-509974-2C-FX102			SYNTHETIC FLUORINE FREE FOAM (SFFF) SPRINKLER SYSTEM PLAN - GROUND FLOOR
FX103	KU-509974-2C-FX103			WET-PIPE SPRINKLER AND HOSE CABINETS PLAN - GROUND FLOOR
FX501	KU-509974-2C-FX501			SFFF AND WET-PIPE RISER DETAILS - FIRE PROTECTION ROOM
PLUMBING				
PL101	KU-509974-2C-PL101			SANITARY PLUMBING PLAN - GROUND FLOOR - COMPOSITE
PL901	KU-509974-2C-PL901			WASTE AND VENT ISOMETERIC
MECHANICAL				
MH101	KU-509974-2C-MH101			MECHANICAL PLAN - GROUND FLOOR - COMPOSITE
MH111	KU-509974-2C-MH111			MECHANICAL PLAN - ROOF - COMPOSITE
MH601	KU-509974-2C-MH601			MECHANICAL SCHEDULES
MH801	KU-509974-2C-MH801			MECHANICAL SMOKE EXHAUST PLAN - GROUND FLOOR - COMPOSITE
ELECTRICAL				
EL101	KU-509974-2C-EL101			LIGHTING PLAN - GROUND FLOOR
EL111	KU-509974-2C-EL111			LIGHTING PLAN - ROOF
EP101	KU-509974-2C-EP101			POWER PLAN - GROUND FLOOR
EP401	KU-509974-2C-EP401			ENLARGED POWER PLAN - RM103 TELECOM / ELECTRICAL ROOM - GROUND FLOOR
EP601	KU-509974-2C-EP601			ONE-LINE DIAGRAM
EP602	KU-509974-2C-EP602			PANEL SCHEDULES
EG101	KU-509974-2C-EG101			GROUNDING PLAN - GROUND FLOOR
EG111	KU-509974-2C-EG111			LIGHTNING PROTECTION PLAN - ROOF
EG601	KU-509974-2C-EG601			GROUNDING RISER DIAGRAM

[illegible]

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	DESIGNED BY:	JULY DATE:
	E. STILLMAN	JULY 2026
	DRAWN BY:	SOLICITATION NO.:
	C. OBANNON	W912ER26RA016
	CHECKED BY:	CONTRACT NO.:
	E. STILLMAN	
	SUBMITTED BY:	PLAT DATE:
	D. RACKMALES	7/14/2026 1:13:03 PM
SIZE:	FILE NAME:	
ISO A1	KU-509974-2C-31011	

AL TAL SALEH AB, KUWAIT
KWOD – KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
INDEX OF DRAWINGS

SHEET ID
C
GI011

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

1. PROJECT'S APPLIED CODES & STANDARDS:

A. COMPLIANCE:

1) CONTRACTOR AWARDED THIS PROJECT IS REQUIRED TO COMPLY WITH KUWAIT REQUIREMENTS AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REQUIREMENTS.

2) ALL FIRE AND LIFE SAFETY DRAWINGS ARE CONCEPTUAL IN NATURE. CONTRACTOR DESIGN "SHOP" DRAWINGS MUST COMPLY WITH KUWAIT REQUIREMENTS AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REQUIREMENTS.

B. INTERNATIONAL CODE COUNCIL: "ICC"

1) IBC-2021 INTERNATIONAL BUILDING CODE.

C. NATIONAL FIRE PROTECTION ASSOCIATION: "NFPA"

AND/OR AS REFERENCED BY KFF.

1) NFPA 1-2024 FIRE CODE

2) NFPA 4-2024 STANDARD FOR INTEGRATED FIRE PROTECTION AND LIFE SAFETY TESTING.

3) NFPA 10-2022 STANDARD FOR PORTABLE FIRE EXTINGUISHERS.

4) NFPA 13-2022 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS.

5) NFPA 24-2022 STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES.

6) NFPA 70-2023 NATIONAL ELECTRICAL CODE.

7) NFPA 72-2022 FIRE ALARM AND SIGNALING CODE.

8) NFPA 170-2024 STANDARD FOR FIRE SAFETY AND EMERGENCY SYMBOLS.

9) NFPA 241-2022 STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS.

10) NFPA 409-2022 STANDARD ON AIRCRAFT HANGARS.

D. STATE OF KUWAIT:

1) KFF: KUWAIT FIRE FORCES "KFF" REQUIREMENTS FOR SAFETY AND FIRE PREVENTION.

2) KMOD: KUWAIT MINISTRY OF DEFENCE.

3) MEP: KUWAIT MILITARY ENGINEERING PROJECTS.

4) MPW: KUWAIT MINISTRY OF PUBLIC WORKS.

5) MEW: KUWAIT MINISTRY OF ELECTRICITY AND WATER.

E. UNIFIED FACILITIES CRITERIA "UFC"

AS APPLICABLE REFERENCE OR GUIDANCE:

"ALL UFC'S ARE FOR GUIDANCE AND WHEN LOCAL CODES DO NOT ADDRESS THE REQUIREMENT"

1) UFC 1-200-01-2022, CHANGE 3: (FEB24) DOD BUILDING CODE.

2) UFC 3-600-01-2016, CHANGE 6: (MAY21) FIRE PROTECTION ENGINEERING FOR FACILITIES.

3) UFC 4-211-01-2021, CHANGE 3: (APR21) AIRCRAFT MAINTENANCE HANGARS.

F. UNIFIED FACILITIES GUIDE SPECIFICATIONS "UFGS":

1) UFGS 01 33 00: SUBMITTAL PROCEDURES

2) UFGS 07 84 00: FIRESTOPPING.

3) UFGS 10 44 16: FIRE EXTINGUISHERS

4) UFGS 21 13 13: WET PIPE SPRINKLER SYSTEM, FIRE PROTECTION

5) UFGS 21 13 24.00 10: SFFF FIRE PROTECTION SYSTEM (CHANGED FROM AFFF)

6) UFGS 28 31 70: INTERIOR FIRE ALARM- ADDRESSABLE

G. UNITED STATES ARMY CORPS OF ENGINEERS: "USACE"

1) DIM-2022: DESIGN INSTRUCTIONS MANUAL: "USACE" MIDDLE EAST DISTRICT "MED"

20 EM: ENGINEERING MANUAL "EM" 385-1-1: SAFETY AND HEALTH REQUIREMENTS:

H. DEFINITIONS:

1) THE DEFINITIONS CONTAINED IN THIS DOCUMENT SHALL APPLY TO THE TERMS USED IN THIS AND ALL REFERENCED DOCUMENTS. WHERE TERMS ARE NOT DEFINED IN THIS SECTION OR WITHIN ANOTHER SECTION/REFERENCE, THEY SHALL BE DEFINED USING THEIR ORDINARILY ACCEPTED MEANINGS WITHIN THE CONTEXT IN WHICH THEY ARE USED. MERRIAM-WEBSTER'S COLLEGIATE DICTIONARY, 11TH EDITION, IS AN EXAMPLE OF WHERE TO FIND THE ORDINARILY ACCEPTED MEANING.

REFERENCES ARE NOT ALL INCLUSIVE.

OTHER RECOMMENDED STANDARDS SHALL BE USED WHERE REQUIRED TO SERVE AS CODES, STANDARDS, OR GUIDELINES FOR DESIGN, FABRICATION, AND CONSTRUCTION WHEN NOT IN CONFLICT WITH THE ABOVE STANDARDS.

**BUILDING AND LIFE SAFETY CODE REQUIREMENTS MEETS OR EXCEEDS KFF REQUIREMENTS AND ARE PROVIDED WITHIN EACH SPECIFIC SECTION AS: REQUIRED/ALLOWABLE AND PROVIDED/ACTUAL.

2. BUILDING CODE REQUIREMENTS:

A. OCCUPANCY CLASSIFICATION:

1) KFF VOLUME 1, CHAPTER 4, ELEVENTH:

2) NFPA 409-2022: CHAPTER 6:

B. CONSTRUCTION TYPE:

1) KFF VOLUME 1, CHAPTER 5, TABLE NO. 5-1:

C. MIXED USE & OCCUPANCY:

1) MIXED USE-SEPARATION IS FROM KFF FIRE ZONES:

D. BUILDING HEIGHTS AND AREA

IBC CHAP. 5, TABLES 504.3, 504.4 & 506.2

1) HEIGHT:

HEIGHT IN METERS: (M)

HEIGHT IN STORIES:

CEILING HEIGHT:

HANGAR AREA:

FIRE PROTECTION ROOM:

HANGAR DOOR HEIGHT: (M)

2) AREA:

SQUARE METER: (SM)

HANGAR BAY 7049 SM, FIRE PROTECTION ROOM 111 SM AND ELECTRICAL ROOM 24 SM:

AREA FACTOR INCREASE FOR FRONTAGE DISTANCE:

E. FIRE RESISTIVE REQUIREMENTS:

1) IBC-2021 SECTION 602, TABLES 601, 602, & 705.5:

2) EXTERIOR NONBEARING WALLS AND PARTITIONS:

KFF VOLUME 1, CHAPTER 5, SECOND, TABLE NO. 5-2:

3) KFF INTERIOR FIRE RESISTIVE REQUIREMENTS:

KFF VOLUME 1, CHAPTER 5, THIRD: FIRE COMPARTMENT:

4) HAZARDOUS MATERIALS STORAGE

I. KFF VOLUME 4:

STORAGE "WAREHOUSE - MEDIUM RISK":

FIRE PROTECTION AND ELECTRICAL ROOMS - ACCESSORY OCCUPANCIES:

GROUP I AIRCRAFT HANGAR:

TYPE: SECOND, FIRE RESISTANCE: 1-2 HOURS:

SEPARATED MIXED USE:

REQUIRED: NO

PROVIDED: YES

HEIGHT IN METERS: (M)

ALLOWABLE: 26

ACTUAL: 16.8

HEIGHT IN STORIES:

ALLOWABLE: 6

ACTUAL: 1

CEILING HEIGHT:

ACTUAL: 15.9 M

HANGAR AREA:

ACTUAL: 5 M

FIRE PROTECTION ROOM:

ACTUAL: 8.1

HANGAR DOOR HEIGHT: (M)

2) AREA:

SQUARE METER: (SM)

ALLOWABLE: 14493

ACTUAL: 7184

HANGAR BAY 7049 SM, FIRE PROTECTION ROOM 111 SM AND ELECTRICAL ROOM 24 SM:

ALLOWABLE: YES

PROVIDED: NO

E. FIRE RESISTIVE REQUIREMENTS:

TYPE IIA (SECOND TYPE) CONSTRUCTION: RATING IN HOURS (HR):

PRIMARY STRUCTURAL FRAME:

EXTERIOR BEARING WALLS:

INTERIOR BEARING WALLS:

EXTERIOR NONBEARING WALLS/PARTITIONS:

INTERIOR NONBEARING WALLS/PARTITIONS:

FLOOR CONSTRUCTION & SECONDARY STRUCTURAL MEMBERS:

ROOF CONSTRUCTION & SECONDARY STRUCTURAL MEMBERS:

REQUIRED: 1

PROVIDED: 1

REQUIRED: 1

PROVIDED: 1

REQUIRED: 1

PROVIDED: 1

KFF VOLUME 1, CHAPTER 5, TABLE NO. 5-2

REQUIRED: 0

PROVIDED: 0

REQUIRED: 1

PROVIDED: 1

REQUIRED: 1

PROVIDED: 1

2) EXTERIOR NONBEARING WALLS AND PARTITIONS:

KFF VOLUME 1, CHAPTER 5, SECOND, TABLE NO. 5-2:

BUILDING RISK AND OCCUPANCY > 9 M:

REQUIRED: >9

PROVIDED: >9

FIRE-RATING IN HOURS:

REQUIRED: 0

PROVIDED: 0

3) KFF INTERIOR FIRE RESISTIVE REQUIREMENTS:

KFF VOLUME 1, CHAPTER 5, THIRD: FIRE COMPARTMENT:

FIRE COMPARTMENT SEPARATION REQUIRED:

REQUIRED: 2

PROVIDED: 2

4) HAZARDOUS MATERIALS STORAGE

I. KFF VOLUME 4:

REMAIN BELOW MAXIMUM PERMISSIBLE CAPACITY

REQUIRED: YES

PROVIDED: YES

2. BUILDING CODE REQUIREMENTS: (CONTINUED)

F. FIRE PROTECTION AND LIFE SAFETY SYSTEMS:

1) FIRE ALARM SYSTEMS:

KFF VOLUME 6, CHAPTER 8, MEDIUM RISK:

2) FIRE SUPPRESSION SYSTEM(S):

I. AUTOMATIC SPRINKLER SYSTEM:

KFF VOLUME 6, CHAPTER 8, MEDIUM RISK:

II. SUPPLEMENTAL SUPPRESSION SYSTEM(S):

A) SYNTHETIC FLUORINE-FREE FOAM (SFFF) AUTOMATIC SPRINKLER SYSTEM:

KFF VOLUME 6, CHAPTER 8, MEDIUM RISK:

B) KFF VOLUME 6, PART 4, CHAPTER 1, 4/1/3/1 AND 4/1/3/2 HAZARD CLASS – HIGH RISK (GROUP 1), SYNTHETIC FLUORINE-FREE FOAM DELUGE SPRINKLER SYSTEM USING 7044 SM AREA OF APPLICATION WITH A DESIGN DENSITY OF 0.16 REQUIRING A DEMAND OF 47057 LPM FOR 15 MINUTES AND A FOAM CONCENTRATION TANK THAT WILL HOLD A MINIMUM OF 17648 LITERS.

C) INTERNAL FIRE HOSE NETWORK: KFF VOLUME 6, CHAPTER 8, MEDIUM RISK: AREA > 2000 SM.

25 MM RUBBER HOSE AND HOSE CABINET:

STANDPIPE SYSTEM WITH 38 MM HOSE STATIONS:

3) EXTINGUISHING SYSTEMS:

I. PORTABLE FIRE EXTINGUISHERS:

KFF: VOLUME 6, CHAPTER 8, AND VOLUME 2, PART THREE, CHAPTER 1:

II. CLEAN AGENT EXTINGUISHING SYSTEMS:

KFF VOLUME 2, CHAPTER 7, SECTION 3/8/4, 1/3/8/4:

4. SMOKE VENTILATION AND EXHAUST SYSTEM(S):

I. KFF VOLUME 6, CHAPTER. 8 AND KFF VOLUME 5, CH 3:

II. SMOKE CURTAINS: KFF VOLUME 5, CHAPTER 3, SECTION 4/4, 6/2/2

NUMBER OF SMOKE ZONES:

SMOKE ZONES: WITH NATURAL VENTILATION

SMOKE ZONES:

SMOKE CURTAINS DEPTH USING SMOKE VENTILATION CALCULATIONS

(A)

SMOKE CURTAIN MATERIAL SPECIFICATION

"FIRE ALARM REPORTING WILL BE ONLY LOCAL PER KAF"

MANUAL AND AUTOMATIC FIRE WARNING SYSTEMS:

REQUIRED YES

PROVIDED YES

WET-PIPE SPRINKLER IN FIRE PROTECTION ROOM:

REQUIRED YES

PROVIDED YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: NO

PROVIDED: NO

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

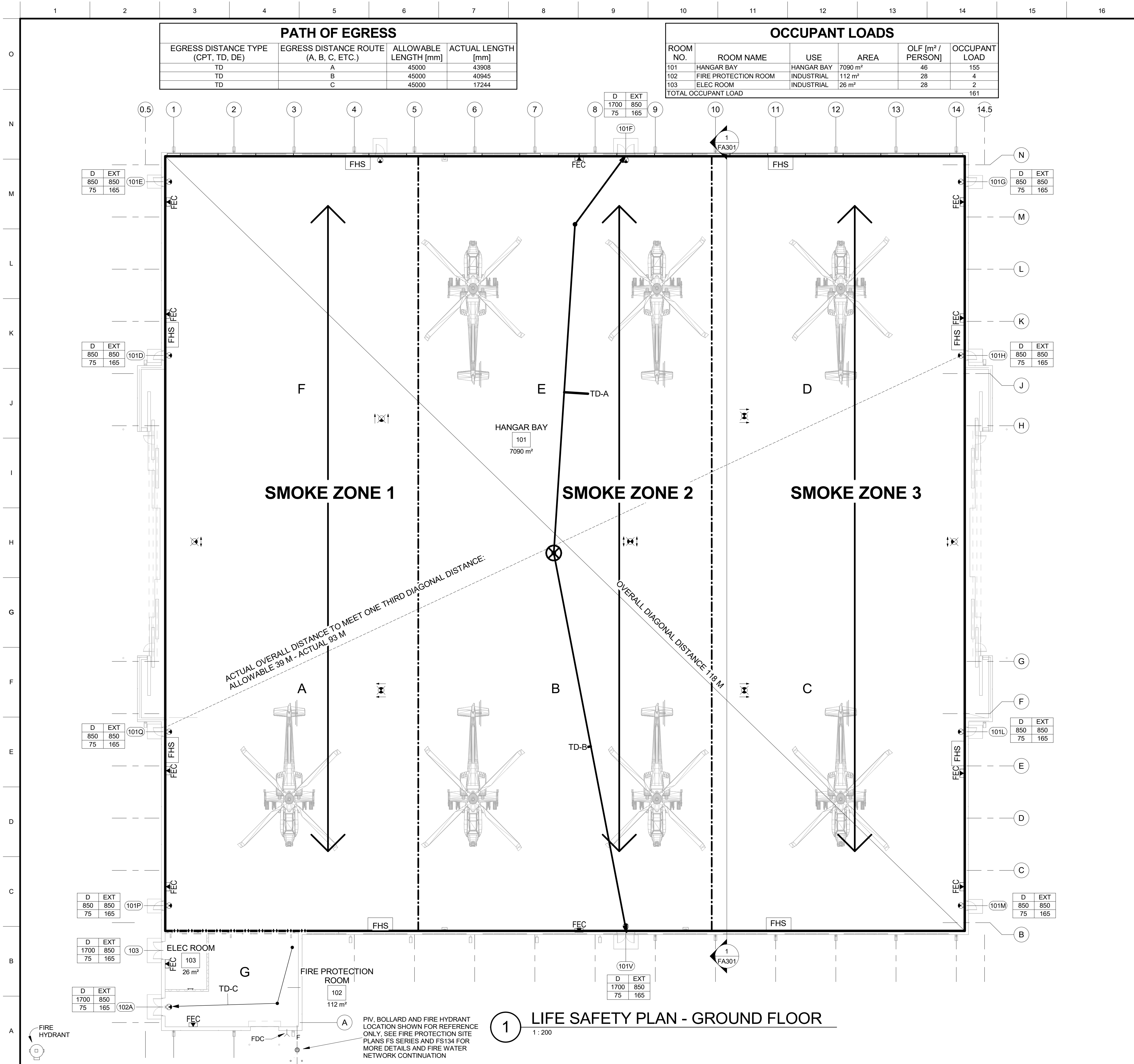
REQUIRED: YES

PROVIDED: YES

REQUIRED: YES

PROVIDED: YES

REQUIRED



PATH OF EGRESS			
EGRESS DISTANCE TYPE (CPT, TD, DE)	EGRESS DISTANCE ROUTE (A, B, C, ETC.)	ALLOWABLE LENGTH [mm]	ACTUAL LENGTH [mm]
TD	A	45000	43908
TD	B	45000	40945
TD	C	45000	17244

OCCUPANT LOADS					
ROOM NO.	ROOM NAME	USE	AREA	OLF [m² / PERSON]	OCCUPANT LOAD
101	HANGAR BAY	HANGAR BAY	7090 m²	46	155
102	FIRE PROTECTION ROOM	INDUSTRIAL	112 m²	28	4
103	ELEC ROOM	INDUSTRIAL	26 m²	28	2
TOTAL OCCUPANT LOAD					161

- GENERAL NOTES
1.

CONTRACTOR AWARDED THIS PROJECT IS REQUIRED TO COMPLY WITH KUWAIT REQUIREMENTS AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REQUIREMENTS.
2.

ALL FIRE AND LIFE SAFETY DRAWING ARE CONCEPTUAL IN NATURE. CONTRACTOR WORKING DESIGN "SHOP" DRAWINGS MUST COMPLY WITH KUWAIT REQUIREMENTS AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REQUIREMENTS. DURING WORKING DESIGN AND INSTALLATION OF FIRE ALARM DEVICES, FIRE SUPPRESSION, FIRE EXTINGUISHING SYSTEMS, ENSURE THERE ARE NO CONFLICT WITH OTHER BUILDING COMPONENTS OR ANY OTHER SERVICE COMPONENTS (E.G., LIGHTS, OTHER ELECTRICAL, PIPES, ETC.)
3.

FOR GENERAL NOTES, LEGENDS, SYMBOLS, AND ADDITIONAL OTHER DETAILS SEE STANDARD DRAWINGS SF001, SF002, SF003, SF501, SF502 AND OTHER FACILITY DRAWINGS.
4.

HANGAR BAY IS PROTECTED BY AN SYNTHETIC FLUORINE FREE FOAM (SFFF) DELUGE SPRINKLER SYSTEM, CONTROLLED BY FLAME DETECTORS AND THE FIRE PROTECTION ROOM AND HOSE STATION PROTECTED BY A WET-PIPE SPRINKLER SYSTEM. KFF VOLUME 2, CHAPTER 3 DOES NOT COVER SYNTHETIC FLUORINE FREE FOAM.
5.

NATURAL SMOKE VENTILATION PROVIDED IN ONE (1) SMOKE ZONE WITHIN THE HANGAR BAY WITH AUTOMATIC OPENING OF HANGAR BAY DOORS AND VENTILATION LOUVERS UPON ACTIVATION OF THE FIRE ALARM OR FIRE SUPPRESSION SYSTEMS.
6.

FOR DETAILED EXIT AND EMERGENCY LIGHTS REFER THE ELECTRICAL DRAWINGS.
7.

HAZARDOUS MATERIALS STORAGE SHALL REMAIN BELOW MAXIMUM PERMISSIBLE CAPACITY.

LEGEND

PORTABLE FIRE EXTINGUISHER IN A CABINET IN FINISHED AREAS AND BRACKETS (BR) ALLOWED IN UNFINISHED AREAS.

TRAVEL DISTANCE.

2 HR FIRE-RATED ASSEMBLY.

OVERALL DIAGONAL DISTANCE.

ACTUAL OVERALL DISTANCE TO MEET ONE-THIRD DIAGONAL DISTANCE.

BOLLARDS

POST INDICATING VALVE "PIV"

FIRE DEPARTMENT CONNECTION "FDC"

EXIT LIGHT

FIRE HOSE STATIONS, 38 MM

EGRESS CAPACITY TAG

COMPONENT:
DOOR (D)
STAIRWAY (S)

EXIT TYPE:
INTERIOR (INT)
EXTERIOR (EXT)

ACTUAL CLEAR WIDTH
0 0
80 100

REQUIRED CLEAR WIDTH

ACTUAL EGRESS

EGRESS CAPACITY

SMOKE ZONES

FIRE AND SPRINKLER RISER ZONES

GRAPHIC SCALE & NORTH ARROW

PLAN NORTH

0 5 10 20
1:200

UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:
D. FABER

SOLICITATION NO.:
W912ER26RAD16

CHECKED BY:
R. DIPERT

ISSUED DATE:
JULY 2026

CONTRACT NO.:

PLOT DATE:
7/9/2026 1:44:19 PM

FILE NAME:
ISO 11

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

ALI AL SALEM AB, KUWAIT
KMOO - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
LIFE SAFETY PLAN - GROUND FLOOR

SHEET ID
C

G1101

CDC

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

GENERAL NOTES

- | | |
|--|--|
| 1. REFERENCE STANDARDS: | |
| UFC 1-200-01 | DOD BUILDING CODE WITH CHANGE 3, 26 FEBRUARY 2023 |
| UFC 3-301-01 | STRUCTURAL ENGINEERING, CHANGE 1, 2 OCTOBER 2023 |
| UFC 3-320-06A | CONCRETE FLOOR SLABS ON GRADE SUBJECTED TO HEAVY LOADS, 1 MARCH 2005 |
| UFC 3-260-02 | PAVEMENT DESIGN FOR AIRFIELDS, 30 JUNE 2001 |
| IBC 2021 | INTERNATIONAL BUILDING CODE, 2021 |
| MBMA 2018 | METAL BUILDING SYSTEMS MANUAL |
| ASCE 7-16 | MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES |
| AISC-325 | AMERICAN INSTITUTE OF STEEL CONSTRUCTION - 15TH EDITION |
| ASCI 341-16 | SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS |
| ACI 318-19 | BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 2019 |
| TMS 402/602-16 | BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES |
| AWS D1.1 | STRUCTURAL WELDING CODE - STEEL, 2015 |
| AWS D1.8 | STRUCTURAL WELDING CODE - SEISMIC SUPPLEMENT, 2016 |
| 2. DESIGN LOAD CRITERIA: | |
| RISK CATEGORY : | III |
| DEAD LOAD: | |
| ROOF DEAD LOAD : | SELF-WEIGHT + 1.05 kPa |
| CONCRETE MASONRY (200mm FULL GROUT): | 4.0 kPa |
| LIVE LOADS | |
| ROOF LIVE LOAD: | 1.0 kPa MINIMUM |
| MAINTENANCE LIVE LOAD: | 9.6 kPa |
| MECH/ELEC/COMM: | 6.0 kPa |
| SLAB ON GRADE (TYPICAL, UNO) : | 4.8 kPa |
| SLAB ON GRADE (HANGAR) : | APACHE AH-64 WHEEL LOAD |
| SNOW LOAD: | N/A |
| SEISMIC LOAD: | |
| SITE CLASS: | C |
| IMPORTANT FACTOR, I_e : | 1.25 |
| SPECTRAL RESPONSE ACCELERATIONS: | |
| SHORT PERIOD, S_s : | 0.41g |
| ONE SECOND PERIOD, S_1 : | 0.11g |
| DESIGN SPECTRAL RESPONSE ACCELERATIONS: | |
| SHORT PERIOD, S_{DS} : | 0.40g |
| ONE SECOND PERIOD, S_{D1} : | 0.17g |
| SEISMIC DESIGN CATEGORY: | C |
| SEISMIC ANALYTICAL PROCEDURE: | EQUIVALENT LATERAL FORCE PROCEDURE |
| LATERAL FORCE RESISTING SYSTEM : | ORDINARY CONCENTRICALLY BRACED FRAMES - STEEL (BOTH DIRECTIONS) |
| RESPONSE MODIFICATION FACTOR, R: | 3.25 |
| SYSTEM OVERSTRENGTH FACTOR: | 2 |
| DEFLECTION AMPLIFICATION FACTOR, C_d : | 3.25 |
| SEISMIC RESPONSE COEFFICIENT, C_s : | 0.155 |
| DESIGN BASE SHEAR, V: | 0.155W (W = SEISMIC WEIGHT) |
| WIND LOAD: | |
| BASIC WIND SPEED, V: | 169 KPH |
| EXPOSURE CATEGORY: | C |
| IMPORTANT FACTOR, I_w : | 1.00 |
| INTERNAL PRESSURE COEFFICIENT, GC_{pi} : | +/-0.55 (PARTIALLY ENCLOSED) |
| TOPOGRAPHIC FACTOR, K_{zt} : | 1.0 |
| DIRECTIONALITY FACTOR, K_d : | 0.85 |
| BUILDING DRIFT LIMIT: | H/480 (SERVICE LEVEL) |
| FOUNDATION DESIGN CRITERIA: | |
| FOUNDATION DESIGN IS BASED UPON THE FOLLOWING SOIL PARAMETERS BASED ON THE FINAL GEOTECHNICAL ENGINEERING REPORT, APACHE ALERT HANGAR COMPLEX, ALI AL SALEM AIR BASE, KUWAIT, DATED MAY 30, 2025 (CONTRACT NO. W912QR19D0034; TASK ORDER W912ER24F0090): | |
| NET ALLOWABLE SOIL BEARING PRESSURE: | |
| A. ISOLATED SPREAD FOOTINGS: 168 kPa | |
| B. WALL FOOTINGS: 86 kPa | |
| C. MAT FOUNDATION: 134 kPa | |
| LATERAL EARTH PRESSURE PARAMETERS: | |
| A. SOIL DENSITY (MOIST) = 19.6 kN/m ³ | |
| B. COEFFICIENT OF ACTIVE PRESSURE (K_a) = 0.31 | |
| C. COEFFICIENT OF AT-REST PRESSURE (K_o) = 0.47 | |
| D. COEFFICIENT OF PASSIVE EARTH PRESSURE (K_p) = 3.25 | |
| E. ANGLE OF INTERNAL FRICTION (Φ) = 32° | |
| F. COEFFICIENT OF FRICTION (μ) = 0.4 | |
| MODULUS OF SUB-GRADE REACTION (K_s): | |
| A. ISOLATED SPREAD FOOTINGS: 22.6 MN/m ³ | |
| B. WALL FOOTINGS: 13 MN/m ³ | |
| C. MAT FOUNDATION: 15.8 MN/m ³ | |
| D. SLAB-ON-GRADE: 54 MN/m ³ | |

DELEGATED DESIGN NOTES

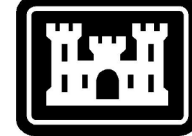
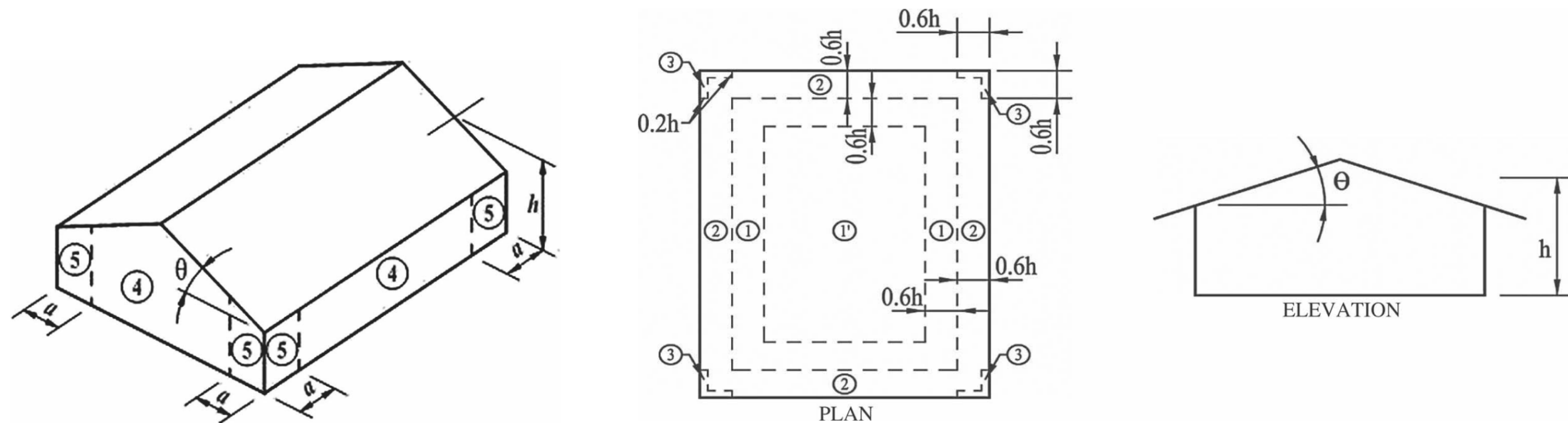
1. DESIGN RESPONSIBILITY FOR THE FOLLOWING ENGINEERED SYSTEMS AND COMPONENTS IS DELEGATED TO A QUALIFIED SPECIALTY STRUCTURAL ENGINEER BY THE CONTRACTOR. THESE SYSTEMS AND COMPONENTS INCLUDE, BUT ARE NOT LIMITED TO:
 - A. COMPLETE METAL BUILDING SYSTEM (MBS), INCLUDING MBS FOUNDATION ANCHORAGE.
 - B. SMOKE CURTAIN STRUCTURAL SYSTEM
 - C. HANGAR DOOR RAIL SUPPORT BEAMS
2. DELEGATED ENGINEERED SYSTEMS AND COMPONENTS MUST SATISFY APPLICABLE REFERENCE STANDARDS AND DESIGN LOAD CRITERIA LISTED IN THIS FACILITY DRAWINGS AND RELEVANT SPECIFICATIONS.
3. THE SPECIALTY STRUCTURAL ENGINEER IS RESPONSIBLE FOR THE STRUCTURAL DESIGN OF THE SYSTEMS AND COMPONENTS AND MUST BE A LICENSED PROFESSIONAL ENGINEER. THE SPECIALTY ENGINEER MUST SEAL ALL DRAWINGS, DESIGN CALCULATIONS, AND SPECIFICATIONS.

C&C WALL WIND PRESSURE (kPa)				
ZONE	EFFECTIVE WIND AREA M ²	POSITIVE PRESSURE	NEGATIVE PRESSURE	NOTES
4	0.9	1.74	-1.85	
4	1.9	1.68	-1.79	
4	4.6	1.61	-1.71	
4	9.3	1.55	-1.66	
5	0.9	1.74	-2.17	
5	1.9	1.68	-2.06	
5	4.6	1.61	-1.91	
5	9.3	1.55	-1.79	

C&C ROOF WIND PRESSURE (kPa)				
ZONE	EFFECTIVE WIND AREA, M ²	POSITIVE PRESSURE	NEGATIVE PRESSURE	NOTES
1	0.9	1.02	-2.70	
1	1.9	0.98	-2.55	
1	4.6	0.94	-2.35	
1	9.3	0.90	-2.21	
1'	0.9	1.02	-2.34	
1'	1.9	0.98	-2.16	
1'	4.6	0.94	-1.92	
1'	9.3	0.90	-1.14	
2	0.9	1.02	-3.42	
2	1.9	0.98	-3.23	
2	4.6	0.94	-2.98	
2	9.3	0.90	-2.78	
3	0.9	1.02	-4.50	
3	1.9	0.98	-4.12	
3	4.6	0.94	-3.61	
3	9.3	0.90	-3.23	

NOTES:

1. ALL EXTERIOR WALLS, WINDOWS, DOORS, MECH. LOUVERS, ROOFING COMPONENTS, AND ALL OTHER ASSEMBLIES OR OPENINGS WITHIN THE BUILDING ENVELOPE MUST BE DESIGNED FOR THE C&C DESIGN WIND PRESSURES AS SHOWN BY ZONE.
2. THE WIND PRESSURE COEFFICIENTS (C_{pe}) FOR EXPOSED SURFACES SHALL BE BASED ON UNFACTORED LOADS AND REPRESENT THE NET PRESSURE (SUM OF INTERNAL AND EXTERNAL PRESSURE) APPLIED NORMAL TO ALL SURFACES
3. LOCATION OF ZONES IS PROVIDED PER ASCE7-16, FIG. 30-3-1 & 30-3-2A
4. DISTANCES "A", "0.2h", AND "0.6h": 5730mm, 2865mm, AND 8595mm, RESPECTIVELY.
5. THE CONTRACTOR MUST USE COMBINED EXISTING AND CLADDING WIND PRESSURE TO DESIGN ALL ELEMENTS ATTACHED TO THE BUILDING.
6. LINEAR INTERPOLATION BETWEEN VALUES OF TRIBUTARY AREA IS PERMISSIBLE



**US Army Corps
of Engineers®**

[illegible]

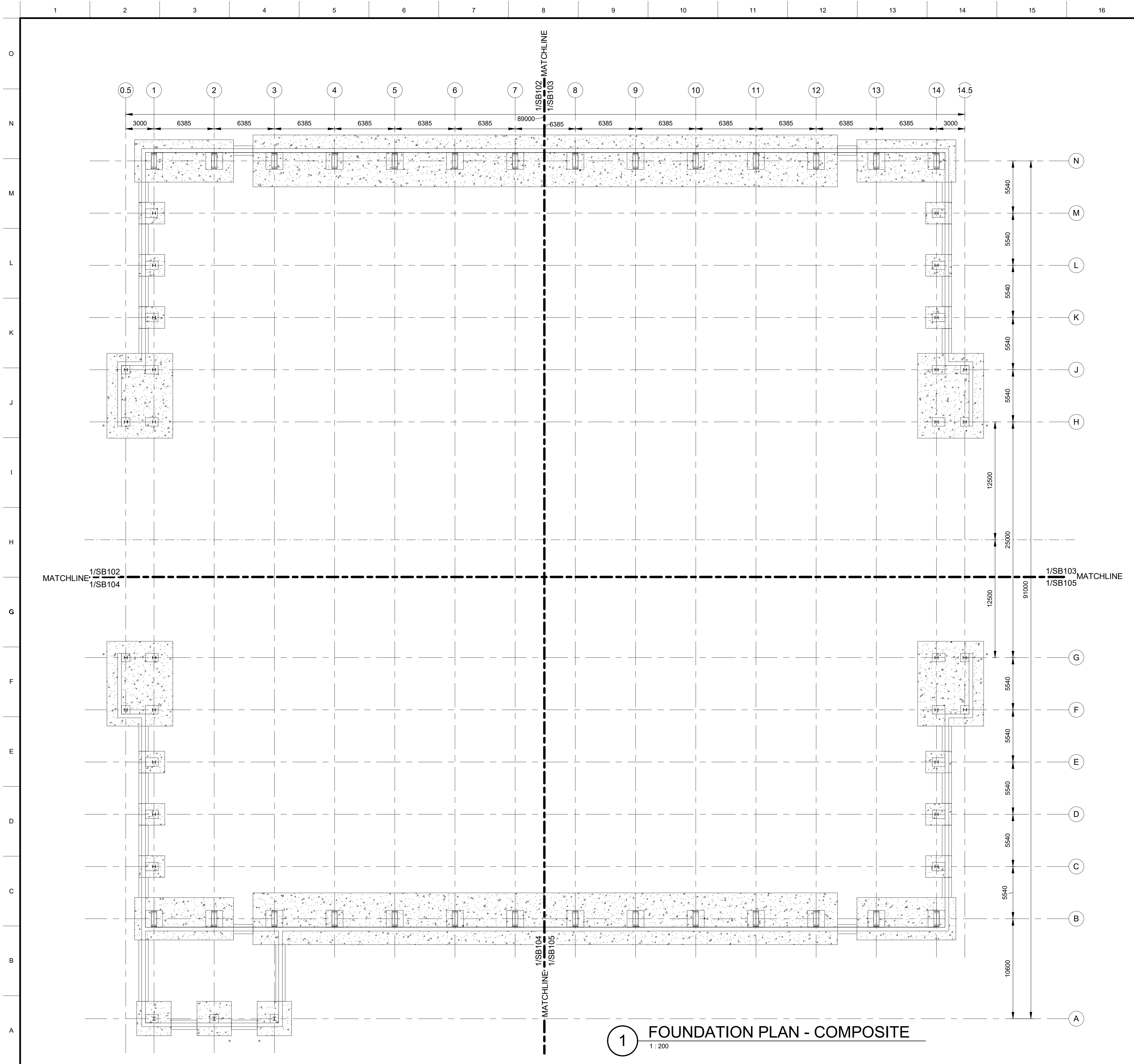
U.S. ARMY CORPS OF ENGINEERS 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	DESIGNED BY:	K. CHANSAWAT	ISSUE DATE:	JULY 2026
	DRAWN BY:	C. ORANON	SOLICITATION NO.:	W912ER26R4016
	CHECKED BY:	M. ALJIBORI	CONTRACT NO.:	
	SUBMITTED BY:	A. FREEMAN	PLOT DATE:	7/13/2026 11:18:41 AM
	SIZE:	ISO A1	FILE NAME:	KU-5099742C-S-00

LOGISTICS READINESS CENTER
GENERAL NOTES

SHEET ID
C
S-001

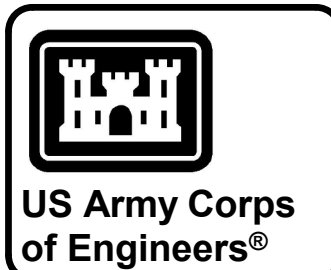
UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.

File Path: X:\REVIT PROJECTS\KUWAIT\2023\KU-509974-2 - APACHE ALERT MISSION FACILITIES\C - LOGISTICS READINESS CENTER\KU-509974-2C-DM-S-LRCE_RVT25.rvt
Plot Date: 7/13/2026 11:18:41 AM



GENERAL SHEET NOTES

- COORDINATE DIMENSIONS, WALL OPENINGS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
- SEE SS001 THROUGH SS003 FOR GENERAL NOTES AND DESIGN CRITERIA
- SEE SS001 TO SS601 FOR TYPICAL DETAILS
- BOTTOM OF FOOTING = -1500 mm UNO
- TOP OF STEM WALL = 0000 mm UNO
- SLAB ON GRADE REINFORING INFORMATION. RE: 1 AND 4/SS502
- RE: SB601 FOR FOOTING SCHEDULES.
- RE: SF201, SF202, AND SF301 FOR BUILDING SECTIONS AND ELEVATIONS.



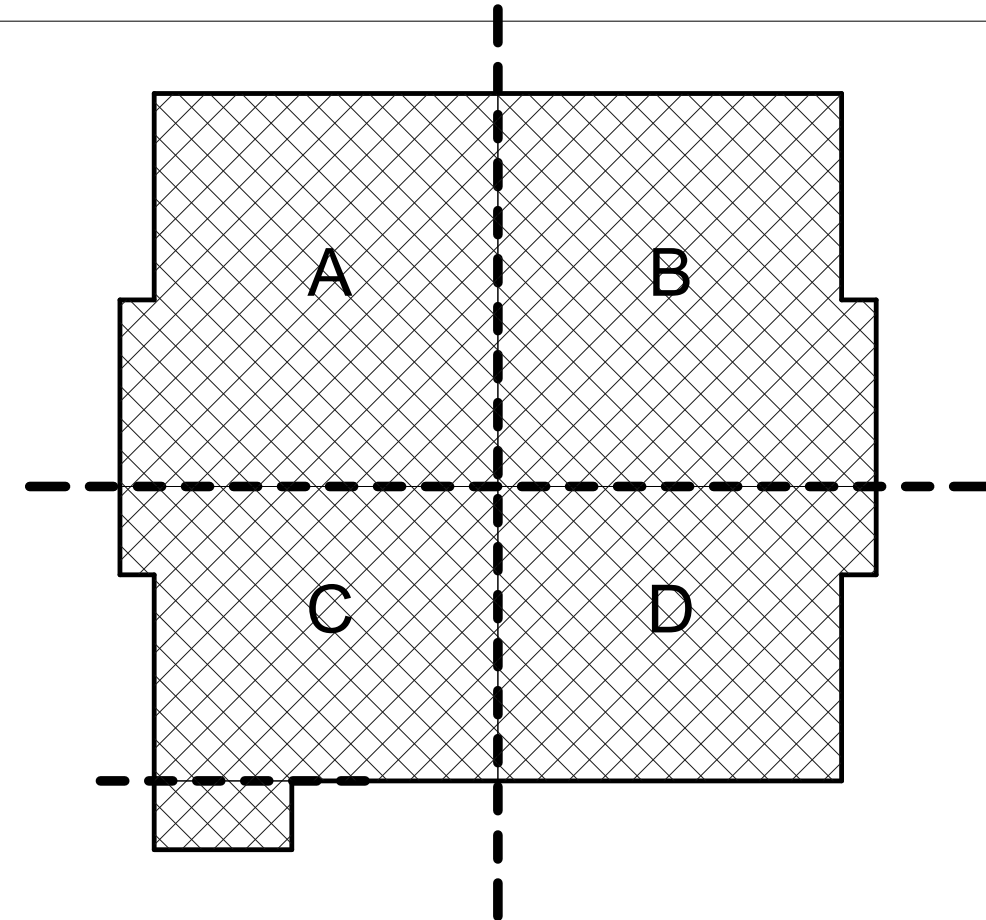
MARK	DESCRIPTION	DATE

DESIGNED BY: K. CHANSAWAT	ISSUE DATE: JULY 2026
DRAWN BY: C. O'BANNON	SOLICITATION NO.: W812ER26RAD16
CHECKED BY: M. ALJUBOORI	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/13/2026 11:18:46 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-SB101

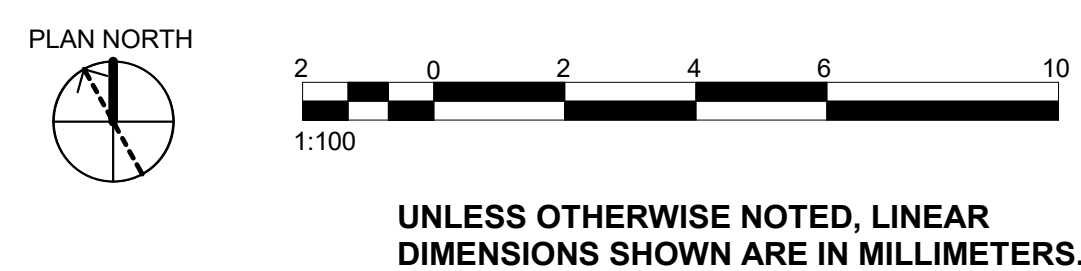
U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 2202	ALI AL SALEM AB, KUWAIT KMOD - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER FOUNDATION PLAN - COMPOSITE	

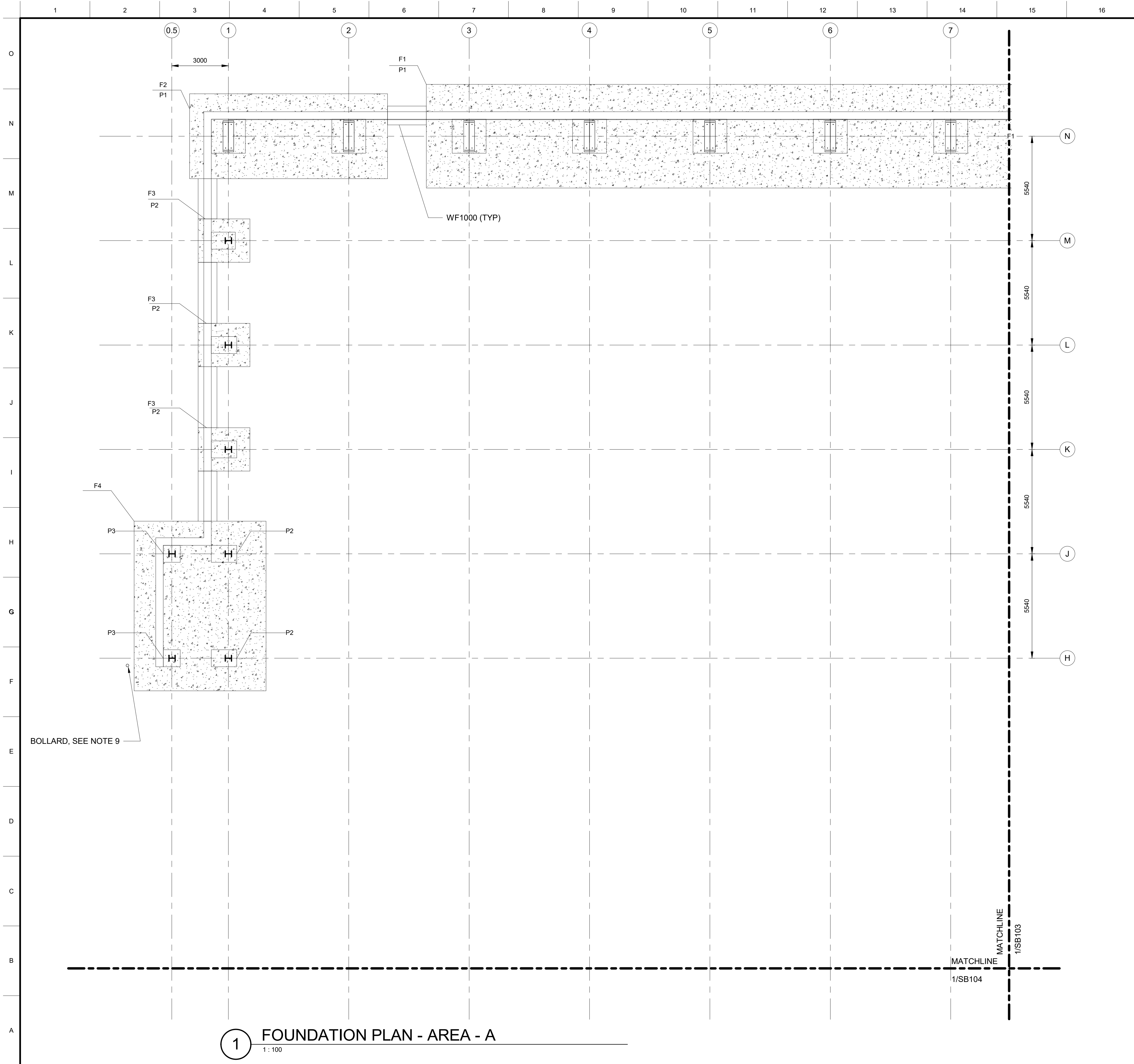
SHEET ID C
SB101

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

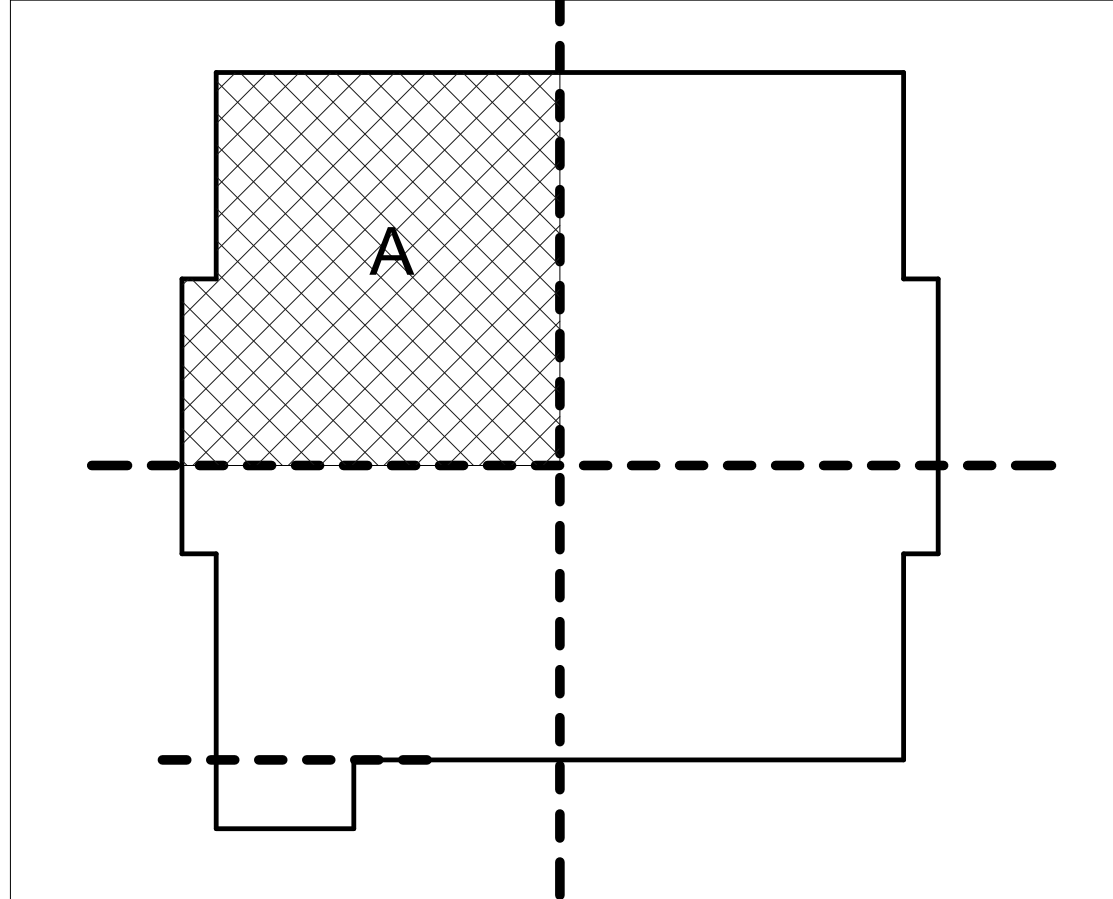




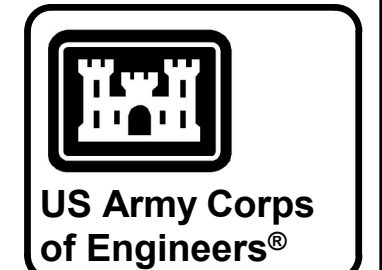
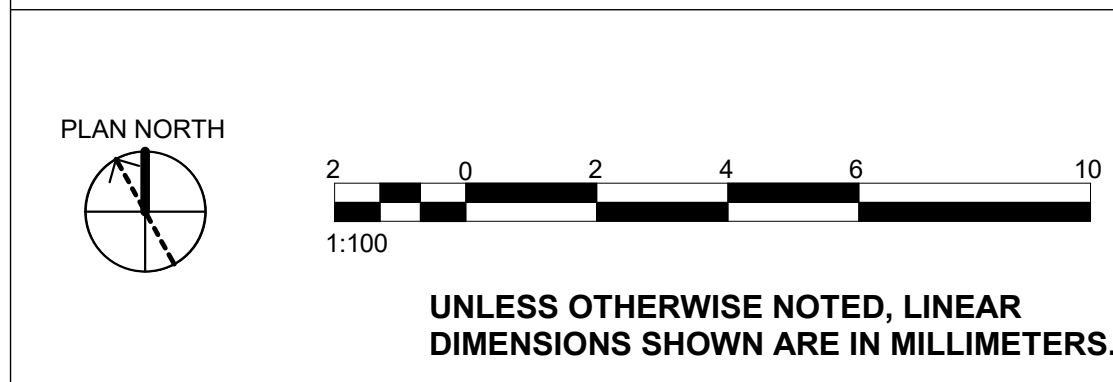
GENERAL SHEET NOTES

1. COORDINATE DIMENSIONS, WALL OPENINGS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
2. SEE SS001 THROUGH SS003 FOR GENERAL NOTES AND DESIGN CRITERIA
3. SEE SS001 TO SS601 FOR TYPICAL DETAILS
4. BOTTOM OF FOOTING = -1500 MM UNO
5. TOP OF STEM WALL = 0000 MM UNO
6. SLAB ON GRADE REINFORING INFORMATION. RE: 1 AND 4/SS502
7. RE: SB601 FOR FOOTING SCHEDULES.
8. RE: SF201, SF202, AND SF301 FOR FOR BUILDING SECTIONS AND ELEVATIONS.
9. REFER TO ARCH FOR BOLLARD LOCATION AND 2/SS501 FOR DETAILS.

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

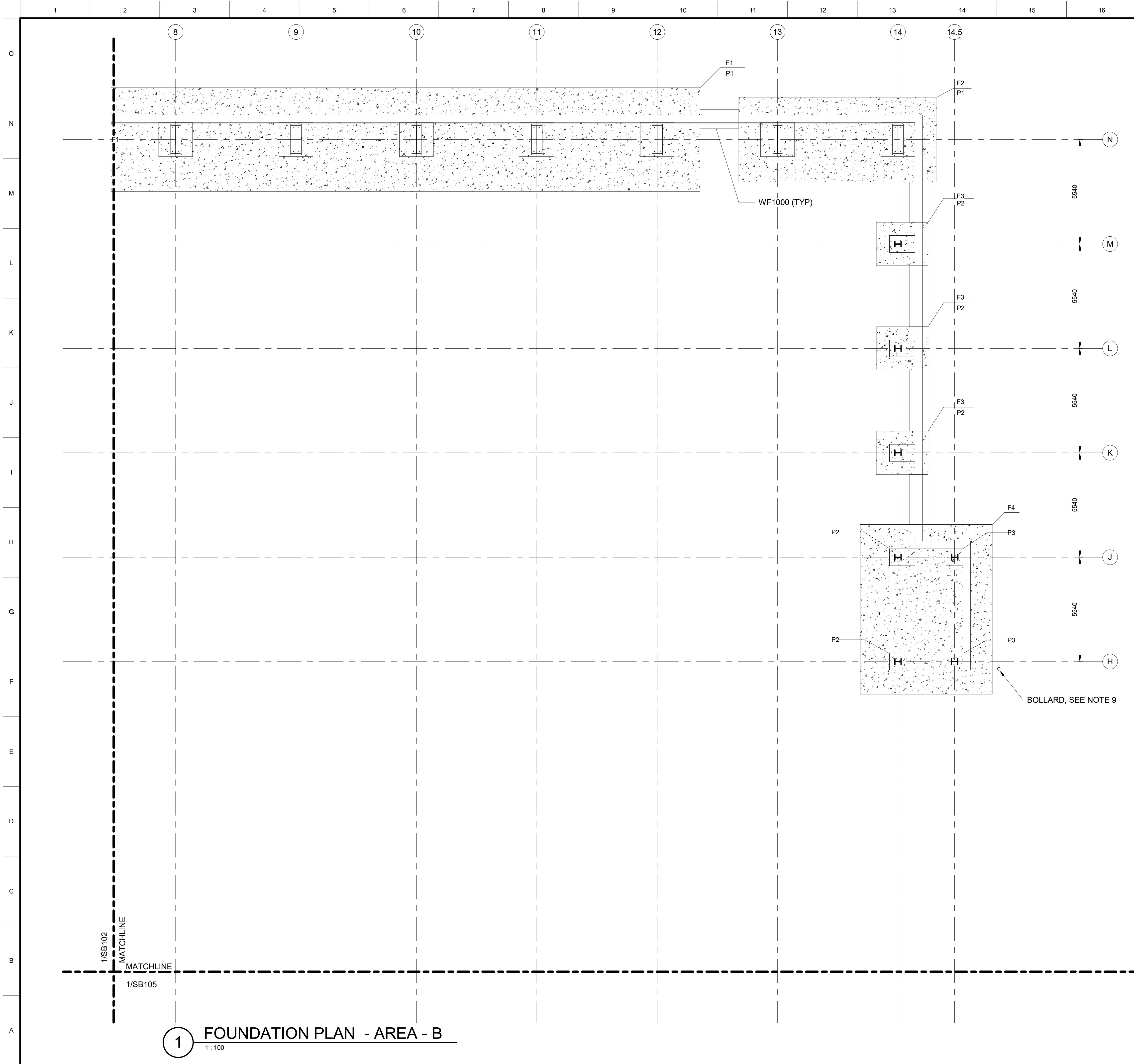


MARK	DESCRIPTION	DATE

DESIGNED BY: K. CHANSAWAT	ISSUE DATE: JULY 2026
DRAWN BY: C. O'BANNON	SOLICITATION NO.: W812ER26RAD16
CHECKED BY: M. ALJUBOORI	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/13/2026 11:18:47 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-SB102

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22802
ALI AL SALEM AB, KUWAIT KMOD - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER FOUNDATION PLAN - AREA A

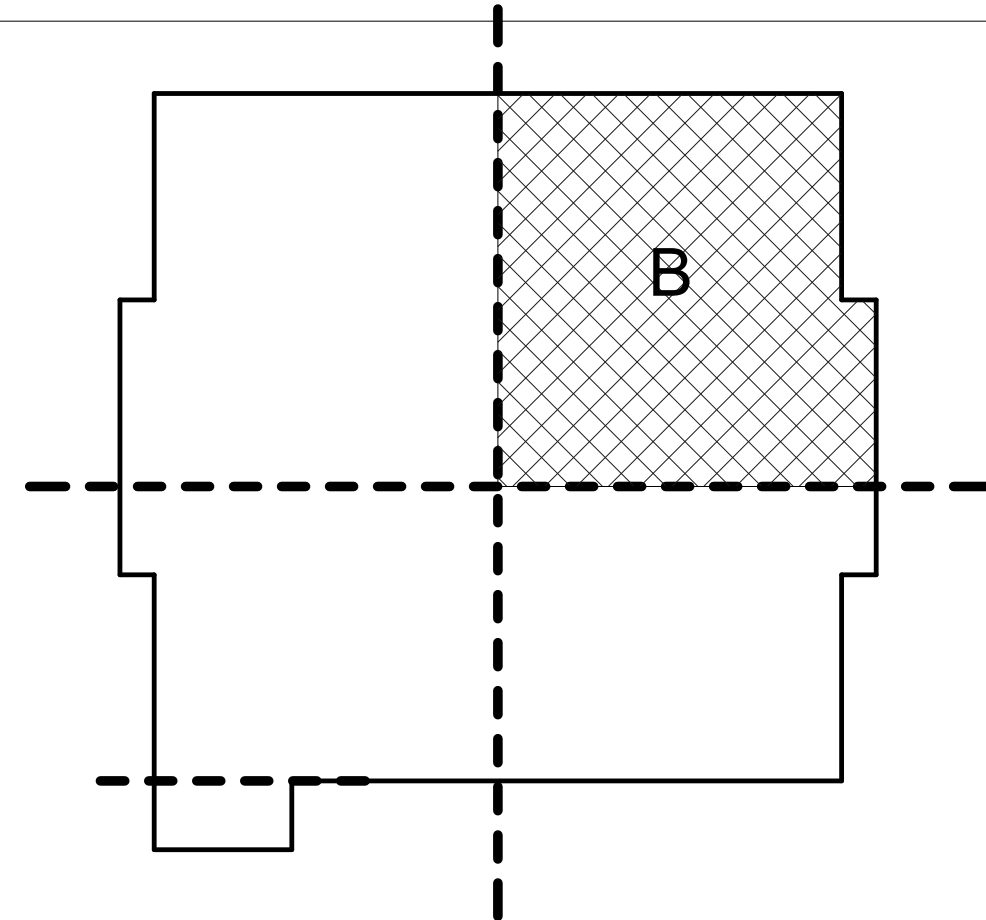
SHEET ID C
SB102



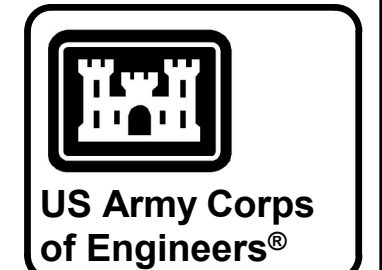
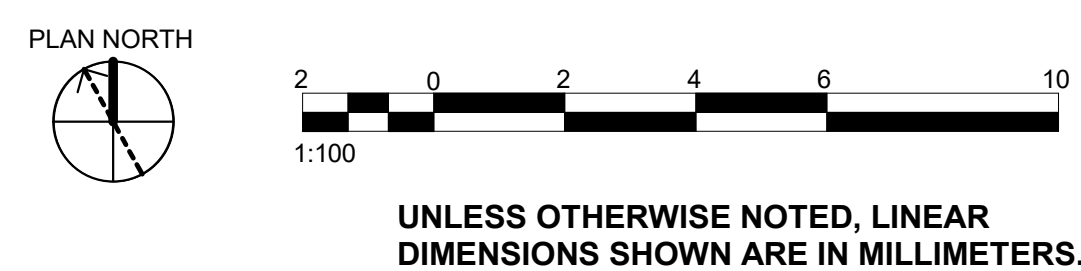
GENERAL SHEET NOTES

- COORDINATE DIMENSIONS, WALL OPENINGS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
- SEE SS001 THROUGH SS003 FOR GENERAL NOTES AND DESIGN CRITERIA
- SEE SS001 TO SS601 FOR TYPICAL DETAILS
- BOTTOM OF FOOTING = -1500 MM UNO
- TOP OF STEM WALL = 0000 MM UNO
- SLAB ON GRADE REINFORING INFORMATION. RE: 1 AND 4/SS502
- RE: SB601 FOR FOOTING SCHEDULES.
- RE: SF201, SF202, AND SF301 FOR FOR BUILDING SECTIONS AND ELEVATIONS.
- REFER TO ARCH FOR BOLLARD LOCATION AND 2/SS501 FOR DETAILS.

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

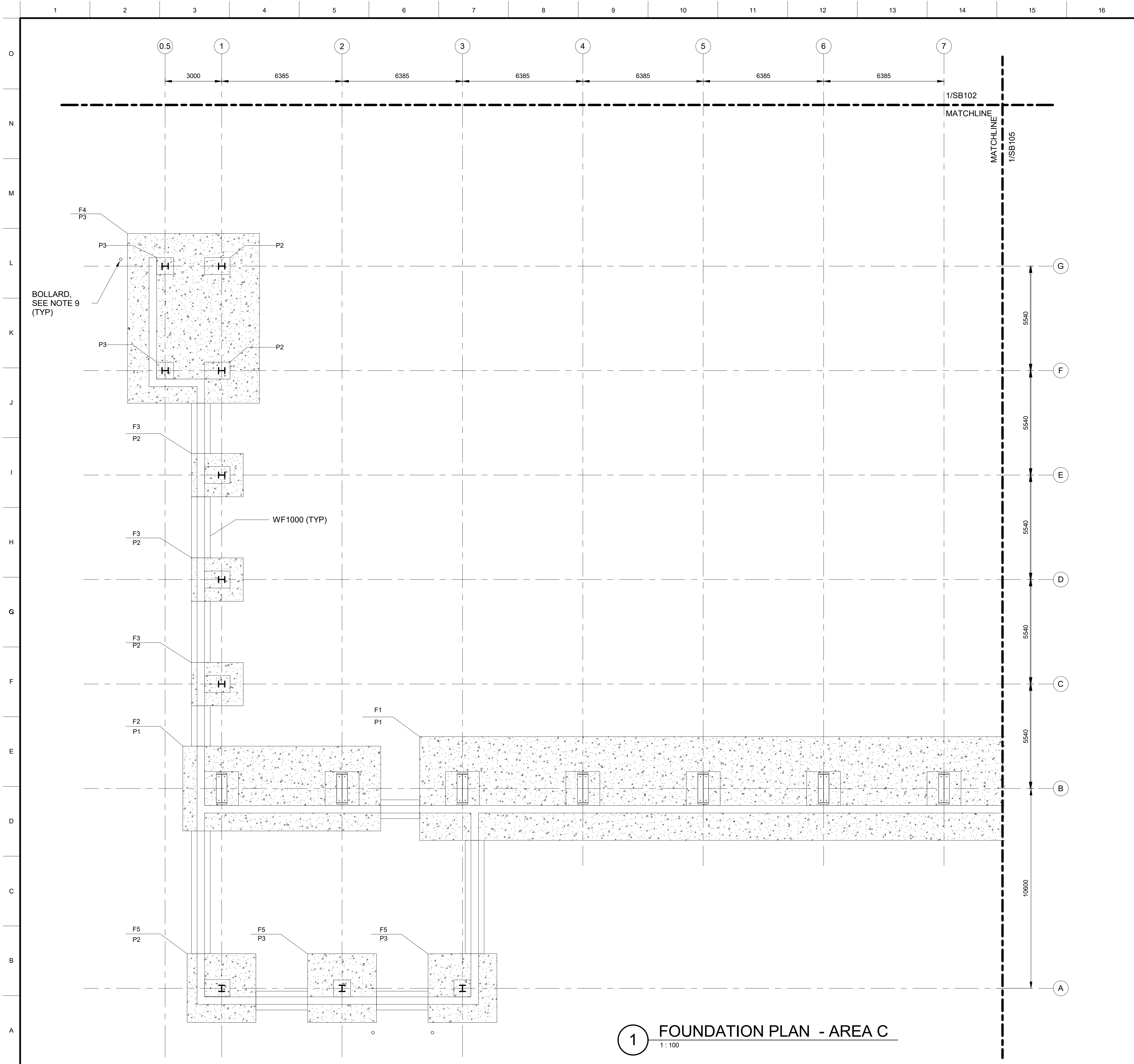


MARK	DESCRIPTION	DATE

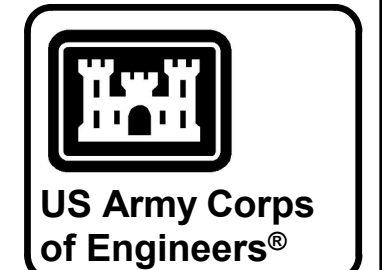
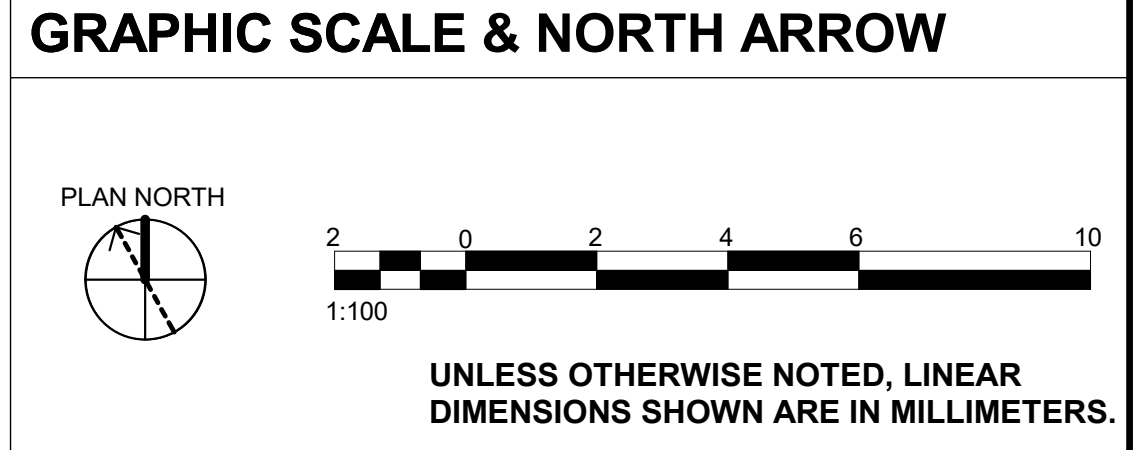
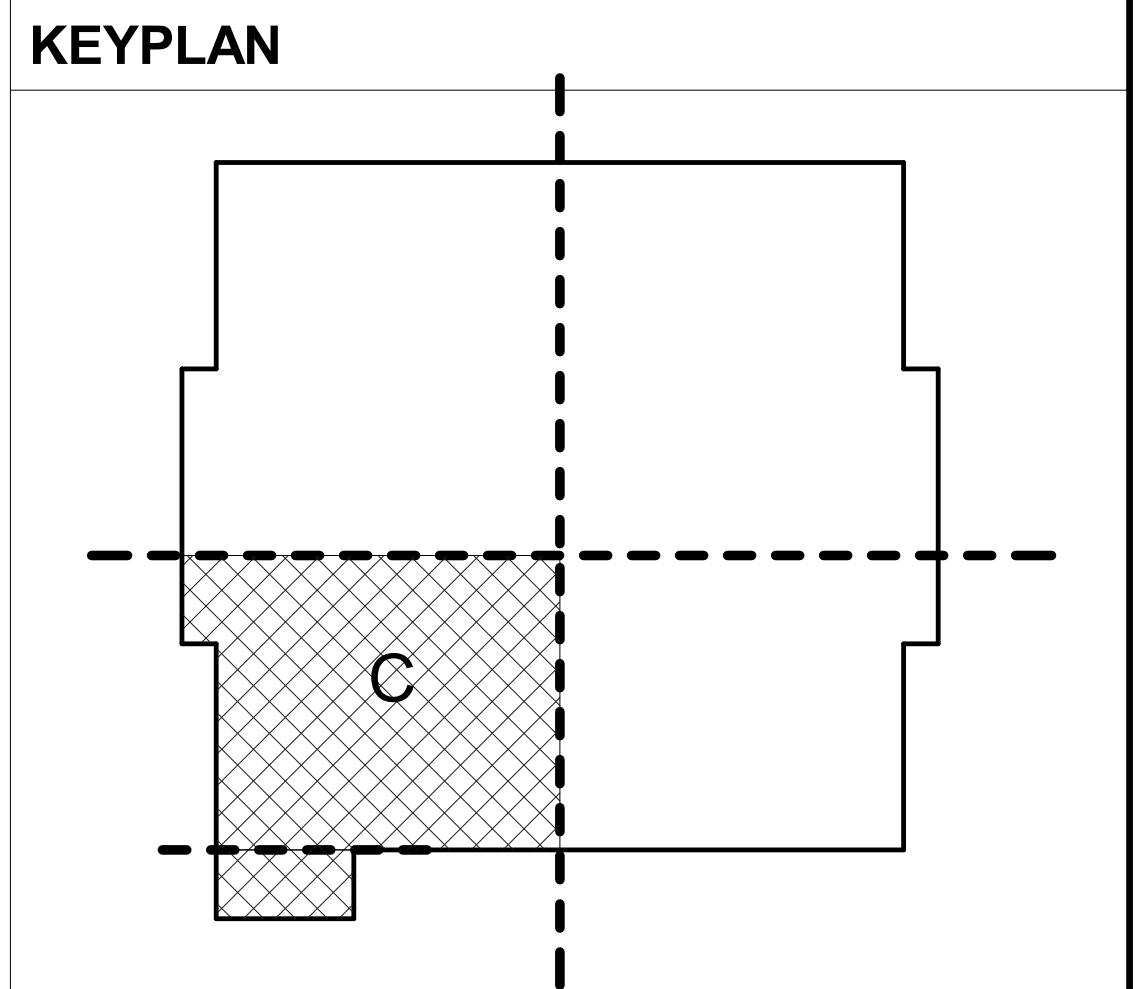
DESIGNED BY: K. CHANSAWAT	ISSUE DATE: JULY 2026
DRAWN BY: C. O'BANNON	SOLICITATION NO.: W812ER26RAD16
CHECKED BY: M. ALJUBOORI	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/13/2026 11:18:47 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-SB103

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22802	ALI AL SALEM AB, KUWAIT KMOD - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER FOUNDATION PLAN - AREA B	

SHEET ID C
SB103



- ### GENERAL SHEET NOTES
- COORDINATE DIMENSIONS, WALL OPENINGS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
 - SEE SS001 THROUGH SS003 FOR GENERAL NOTES AND DESIGN CRITERIA
 - SEE SS001 TO SS601 FOR TYPICAL DETAILS
 - BOTTOM OF FOOTING = -1500 MM UNO
 - TOP OF STEM WALL = 0000 MM UNO
 - SLAB ON GRADE REINFORING INFORMATION. RE: 1 AND 4/SS502
 - RE: SB601 FOR FOOTING SCHEDULES.
 - RE: SF201, SF202, AND SF301 FOR FOR BUILDING SECTIONS AND ELEVATIONS.
 - REFER TO ARCH FOR BOLLARD LOCATION AND 2/SS501 FOR DETAILS.



MARK	DESCRIPTION	DATE

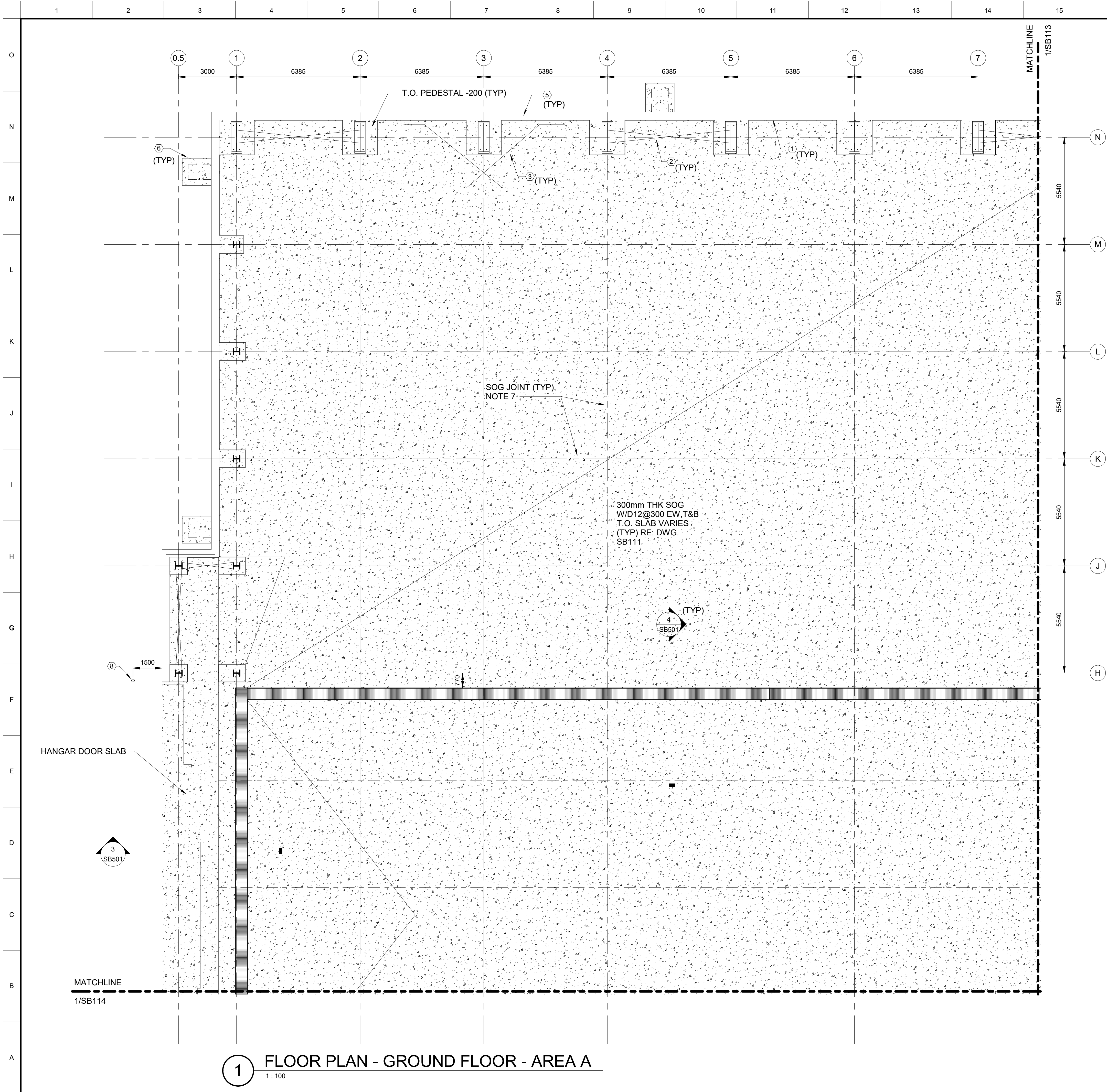
DESIGNED BY: K. CHANSAWAT	ISSUE DATE: JULY 2026
DRAWN BY: C. O'BANNON	SOLICITATION NO.: W812ER26RAD16
CHECKED BY: M. ALJUBOORI	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/13/2026 11:18:47 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-SB104

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

ALI AL SALEM AB, KUWAIT
KMOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
FOUNDATION PLAN - AREA C

SHEET ID
C
SB104



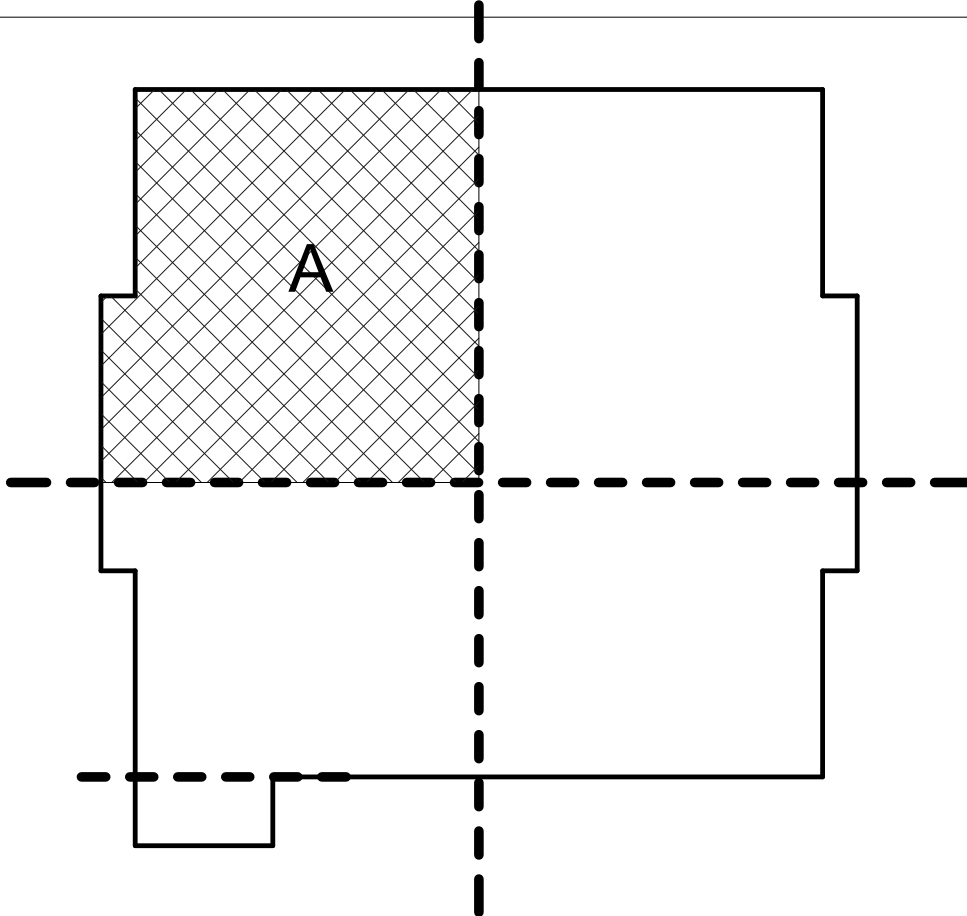
GENERAL SHEET NOTES

- COORDINATE DIMENSIONS, WALL OPENINGS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
- SEE SS001 THROUGH SS003 FOR GENERAL NOTES AND DESIGN CRITERIA
- SEE SS001 TO SS601 FOR TYPICAL DETAILS
- BOTTOM OF FOOTING = -1500 MM UNO
- TOP OF STEM WALL = 0000 MM UNO
- SLAB ON GRADE REINFORCING INFORMATION. RE: 1 AND 4/SS502
- SLAB-ON-GRADE JOINT SPACING SHALL NOT EXCEED 6500MM O/C IN BOTH DIRECTIONS. REFER TO 1/SB502 FOR CONSTRUCTION JOINT AND CONTROL JOINT DETAILS.
- RE: SB601 FOR FOOTING SCHEDULES.
- RE: SF201, SF202, AND SF301 FOR FOR BUILDING SECTIONS AND ELEVATIONS.
- LP EL 0.00 = FG EL +132.75 (SEE CIVIL)

SHEET KEY NOTES

- ISOLATION JOINT. RE: 2/SS502 & 7/SS502.
- ASSUMED LATERAL BRACING BAY, COORD WITH MBS MANUF
- PROVIDE ADDITIONAL SLAB REINFORCEMENT AT RE-ENTRANT CORNERS AND DISCONTINUOUS SLAB JOINTS. RE: 6/SS502.
- THICKENED SLAB UNDER CMU WALLS, SEE STD DETAILS, COORDINATE WALL LOCATIONS WITH ARCH
- 400MM THICK CONCRETE STEM WALL. RE: 1/SB501 FOR REINFORCING INFORMATION.
- EXTERIOR STOOP RE: 1A/SS501 WITH T = 200mm AND ARCH FOR DIMENSIONS AND LOCATIONS.
- 100mm MINIMUM EQUIPMENT PAD. RE: 6/SS510
- BOLLARD RE: ARCH FOR BOLLARD LOCATION AND 2/SS501 FOR DETAILS.

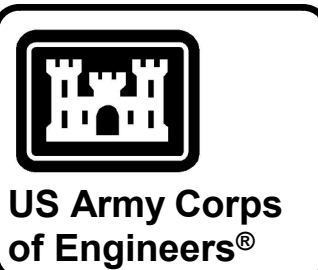
KEYPLAN



GRAPHIC SCALE & NORTH ARROW



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.

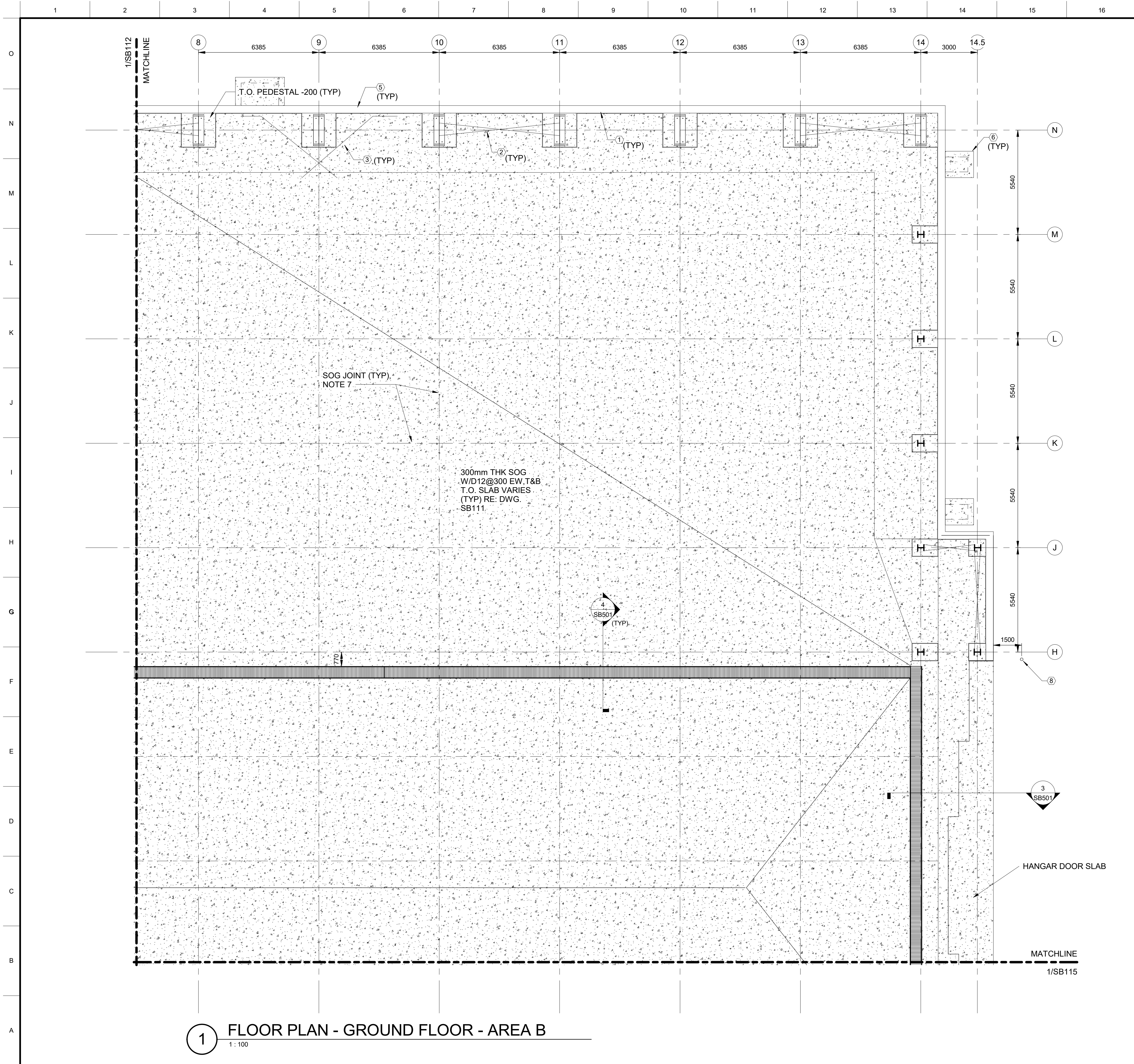


MARK	DESCRIPTION	DATE

DESIGNED BY: K. CHANSAWAT	ISSUE DATE: JULY 2026
DRAWN BY: C. O'BANNON	SOLICITATION NO.: W912ER26RAD16
CHECKED BY: M. ALJUBOORI	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/13/2026 11:18:49 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-SB112

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 2202	LOGISTICS READINESS CENTER FLOOR PLAN - GROUND FLOOR - AREA A
--	--

SHEET ID C SB112



1 FLOOR PLAN - GROUND FLOOR - AREA B
1 : 100

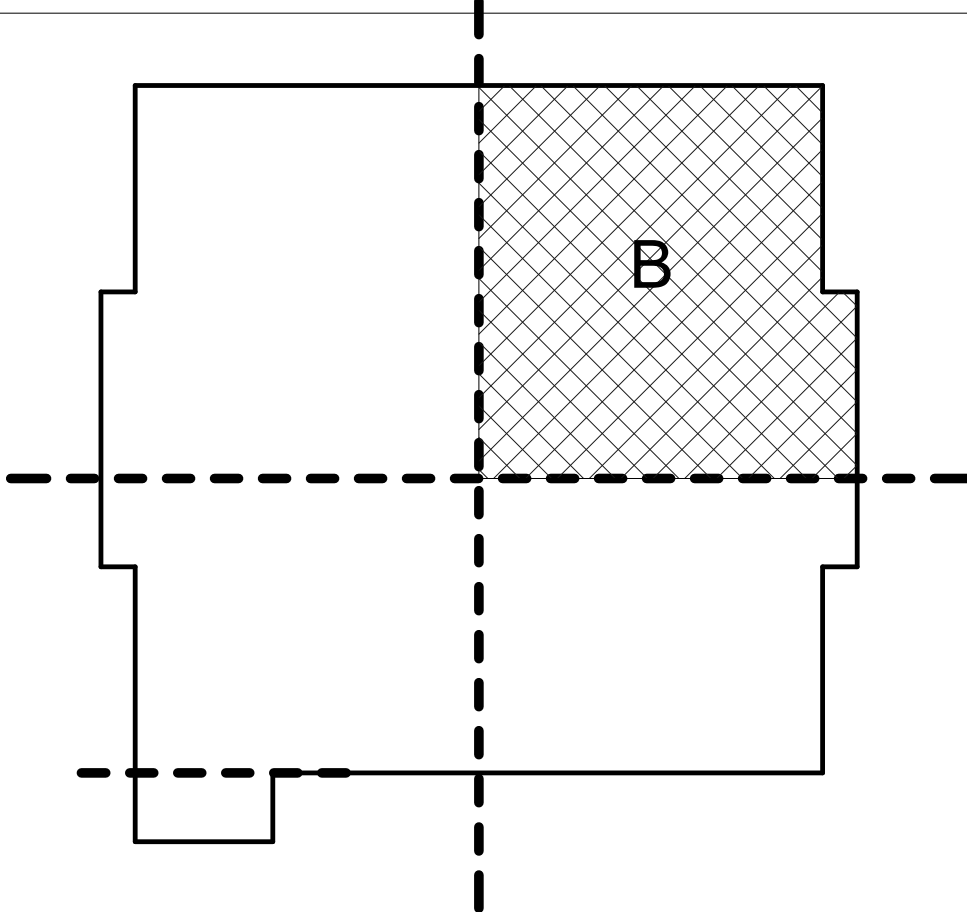
GENERAL SHEET NOTES

- COORDINATE DIMENSIONS, WALL OPENINGS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
- SEE SS001 THROUGH SS003 FOR GENERAL NOTES AND DESIGN CRITERIA
- SEE SS001 TO SS601 FOR TYPICAL DETAILS
- BOTTOM OF FOOTING = -1500 MM UNO
- TOP OF STEM WALL = 0000 MM UNO
- SLAB ON GRADE REINFORING INFORMATION. RE: 1 AND 4/SS502
- SLAB-ON-GRADE JOINT SPACING SHALL NOT EXCEED 6500MM O/C IN BOTH DIRECTIONS. REFER TO 1/SS502 FOR CONSTRUCTION JOINT AND CONTROL JOINT DETAILS.
- RE: SB601 FOR FOOTING SCHEDULES.
- RE: SF201, SF202, AND SF301 FOR FOR BUILDING SECTIONS AND ELEVATIONS.
- LP EL 0.00 = FG EL +132.75 (SEE CIVIL)

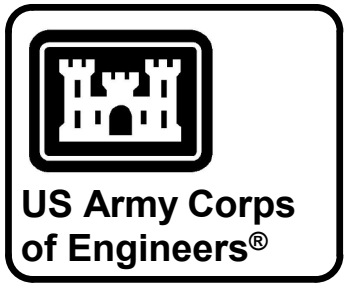
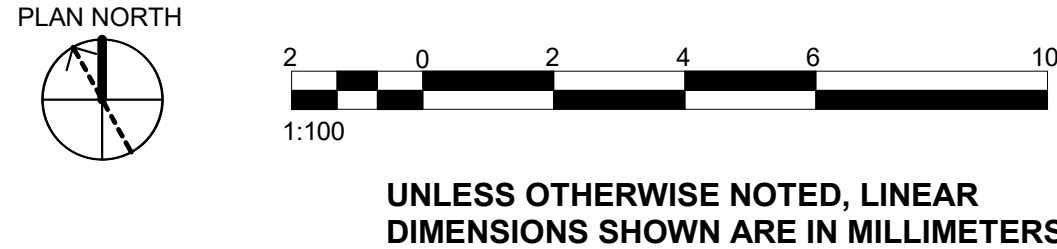
SHEET KEY NOTES

- ISOLATION JOINT. RE: 2/SS502 & 7/SS502.
- ASSUMED LATERAL BRACING BAY, COORD WITH MBS MANUF
- PROVIDE ADDITIONAL SLAB REINFORCEMENT AT RE-ENTRANT CORNERS AND DISCONTINUOUS SLAB JOINTS. RE: 6/SS502.
- THICKENED SLAB UNDER CMU WALLS, SEE STD DETAILS, COORDINATE WALL LOCATIONS WITH ARCH
- 400MM THICK CONCRETE STEM WALL. RE: 1/SB501 FOR REINFORCING INFORMATION.
- EXTERIOR STOOP RE: 1A/SS501 WITH T = 200mm AND ARCH FOR DIMENSIONS AND LOCATIONS.
- 100mm MINIMUM EQUIPMENT PAD. RE: 6/SS510
- BOLLARD RE: ARCH FOR BOLLARD LOCATION AND 2/SS501 FOR DETAILS.

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

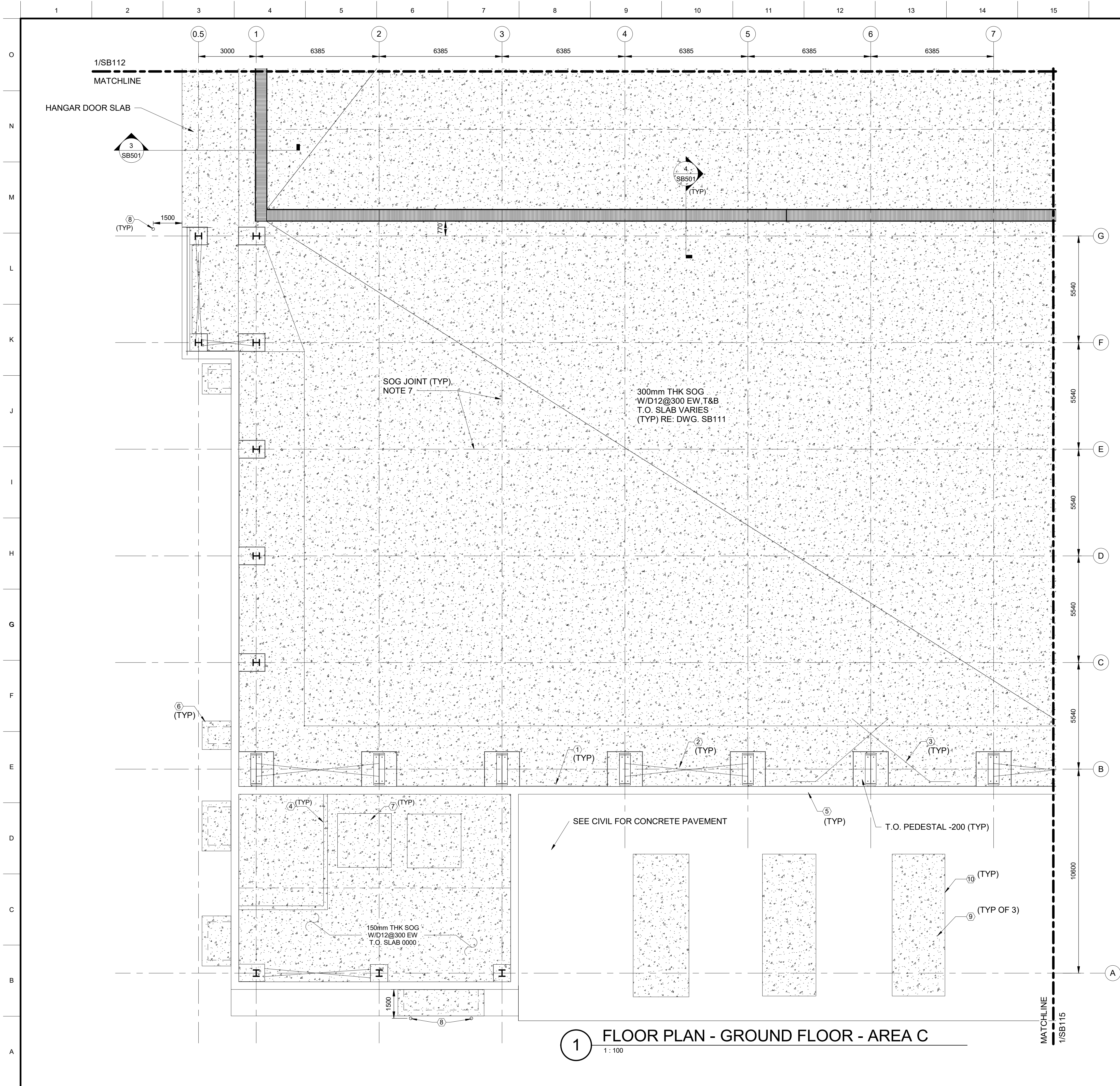


MARK	DESCRIPTION	DATE

DESIGNED BY: K. CHANSAWAT	ISSUE DATE: JULY 2026
DRAWN BY: C. O'BANNON	SOLICITATION NO.: W912ER26RAD16
CHECKED BY: M. ALJUBOORI	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/13/2026 11:18:50 AM
FILE NAME: ISO A1	FILE NAME: KU-509974-2C-SB113

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	AL I AL SALEM AB, KUWAIT KMOB - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER FLOOR PLAN - GROUND FLOOR - AREA B	

SHEET ID C SB113



1 FLOOR PLAN - GROUND FLOOR - AREA C
1:100

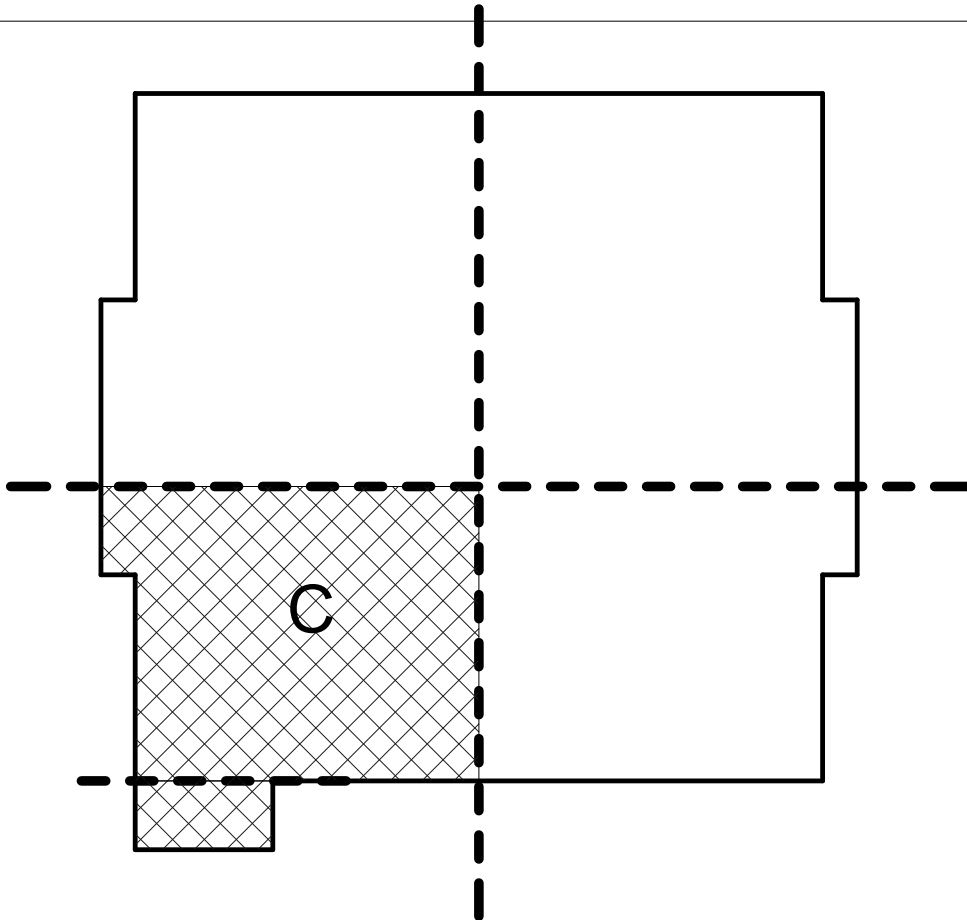
GENERAL SHEET NOTES

- COORDINATE DIMENSIONS, WALL OPENINGS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
- SEE SS001 THROUGH SS003 FOR GENERAL NOTES AND DESIGN CRITERIA
- SEE SS001 TO SS601 FOR TYPICAL DETAILS
- BOTTOM OF FOOTING = -1500 MM UNO
- TOP OF STEM WALL = 0000 MM UNO
- SLAB ON GRADE REINFORCING INFORMATION. RE: 1 AND 4/SS502
- SLAB-ON-GRADE JOINT SPACING SHALL NOT EXCEED 6500MM O/C IN BOTH DIRECTIONS. REFER TO 1/SS502 FOR CONSTRUCTION JOINT AND CONTROL JOINT DETAILS.
- RE: SB601 FOR FOOTING SCHEDULES.
- RE: SF201, SF202, AND SF301 FOR FOR BUILDING SECTIONS AND ELEVATIONS.
- LP EL 0.00 = FG EL +132.75 (SEE CIVIL)

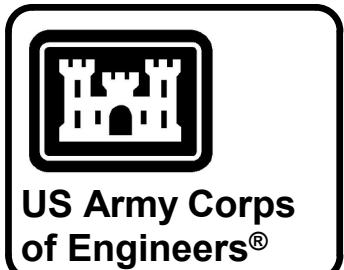
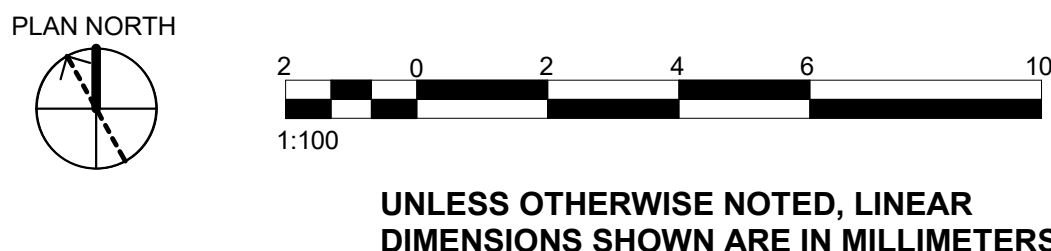
SHEET KEY NOTES

- ISOLATION JOINT. RE: 2/SS502 & 7/SS502.
- ASSUMED LATERAL BRACING BAY, COORD WITH MBS MANUF
- PROVIDE ADDITIONAL SLAB REINFORCEMENT AT RE-ENTRANT CORNERS AND DISCONTINUOUS SLAB JOINTS. RE: 6/SS502.
- THICKENED SLAB UNDER CMU WALLS, SEE STD DETAILS, COORDINATE WALL LOCATIONS WITH ARCH
- 400MM THICK CONCRETE STEM WALL. RE: 1/SB501 FOR REINFORCING INFORMATION.
- EXTERIOR STOOP RE: 1A/SS501 WITH T = 200mm AND ARCH FOR DIMENSIONS AND LOCATIONS.
- 100mm MINIMUM EQUIPMENT PAD. RE: 6/SS510
- BOLLARD RE: ARCH FOR BOLLARD LOCATION AND 2/SS501 FOR DETAILS.
- PROVIDE D16 AT 300 EACH WAY ON EACH FACE FOR EXTERIOR EQUIPMENT BASE. RE: 2/SS510.
- ISOLATION JOINT, RE: 2/SS502

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

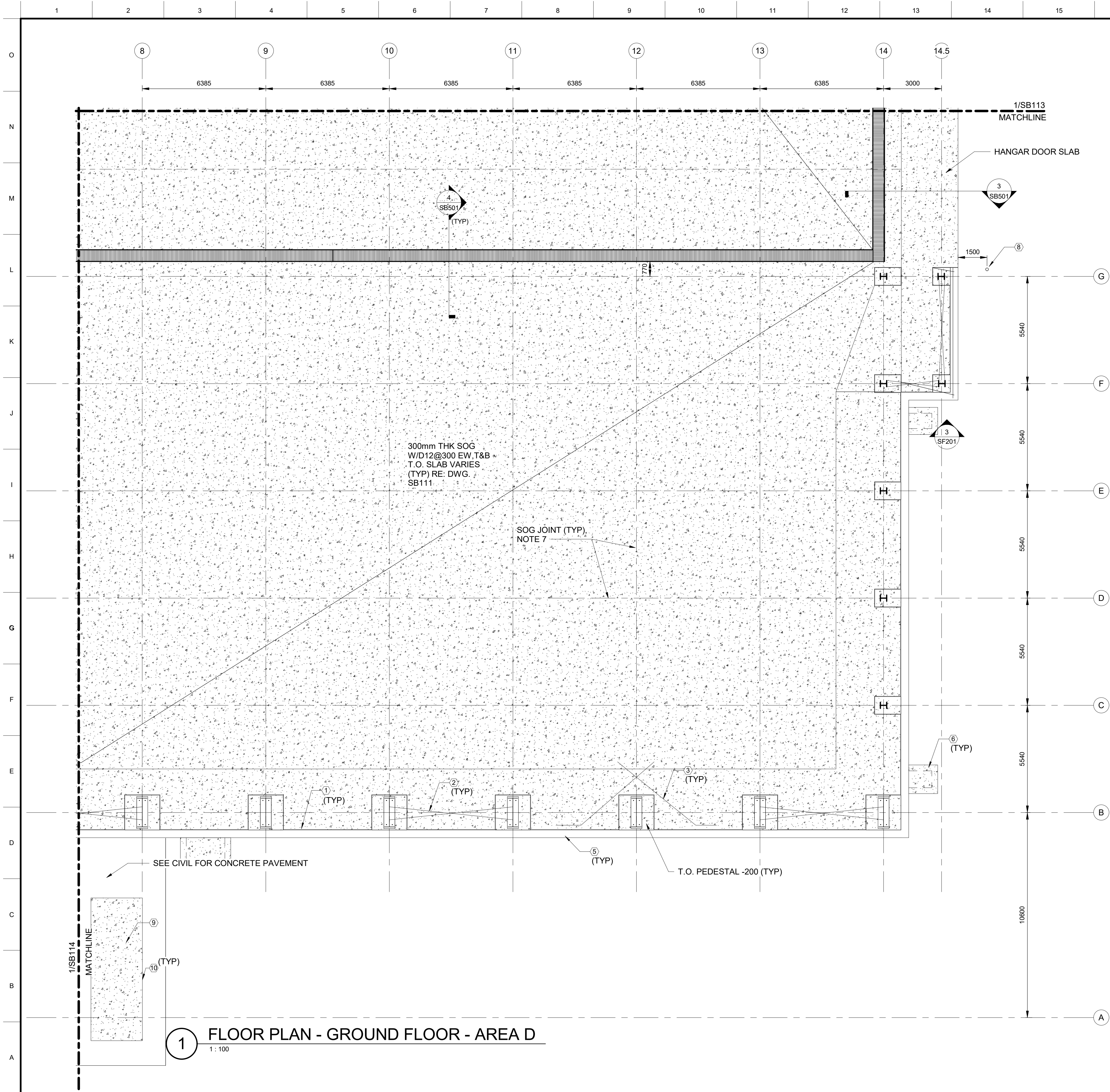


MARK	DESCRIPTION	DATE

DESIGNED BY: K. CHANSAWAT	ISSUE DATE: JULY 2026
DRAWN BY: C. O'BANNON	SOLICITATION NO.: W812ER26RAD16
CHECKED BY: M. ALJUBOORI	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/13/2026 11:18:50 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-SB114

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	LOGISTICS READINESS CENTER FLOOR PLAN - GROUND FLOOR - AREA C
---	--

SHEET ID C SB114



1 FLOOR PLAN - GROUND FLOOR - AREA D
1 : 100

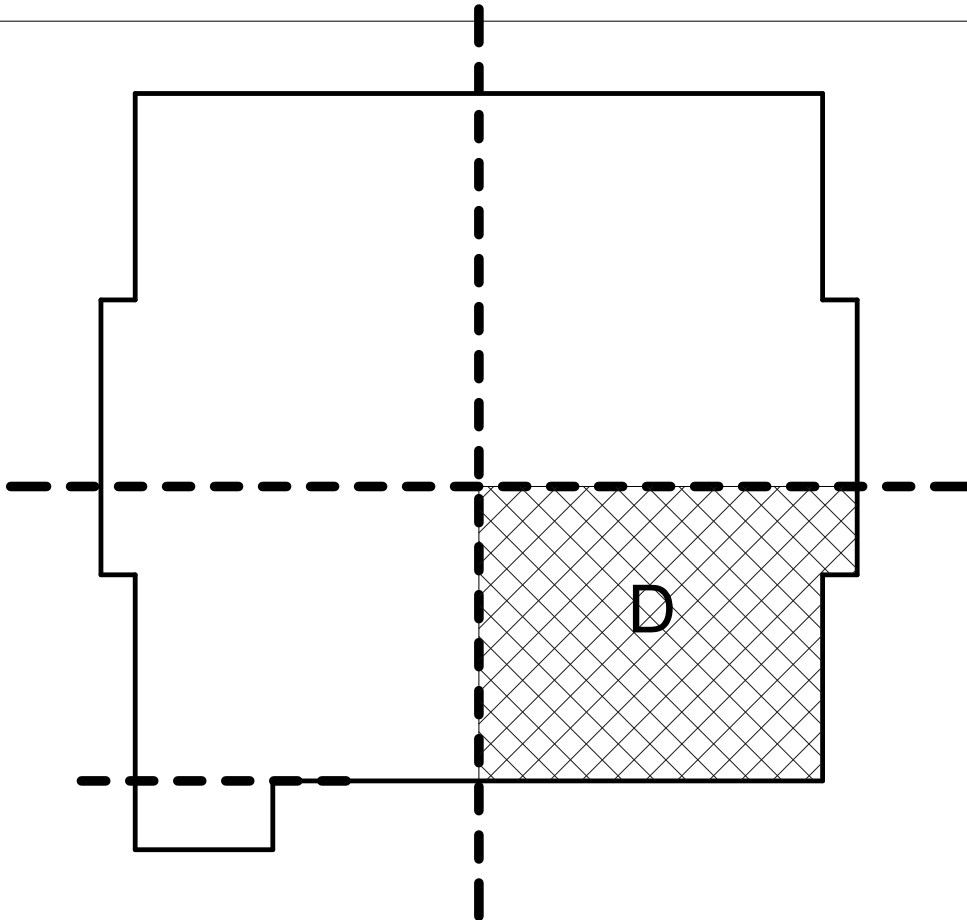
GENERAL SHEET NOTES

- COORDINATE DIMENSIONS, WALL OPENINGS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
- SEE SS001 THROUGH SS003 FOR GENERAL NOTES AND DESIGN CRITERIA
- SEE SS001 TO SS601 FOR TYPICAL DETAILS
- BOTTOM OF FOOTING = -1500 MM UNO
- TOP OF STEM WALL = 0000 MM UNO
- SLAB ON GRADE REINFORING INFORMATION. RE: 1 AND 4/SS502
- SLAB-ON-GRADE JOINT SPACING SHALL NOT EXCEED 6500MM O/C IN BOTH DIRECTIONS. REFER TO 1/SS502 FOR CONSTRUCTION JOINT AND CONTROL JOINT DETAILS.
- RE: SB601 FOR FOOTING SCHEDULES.
- RE: SF201, SF202, AND SF301 FOR FOR BUILDING SECTIONS AND ELEVATIONS.
- LP EL 0.00 = FG EL +132.75 (SEE CIVIL)

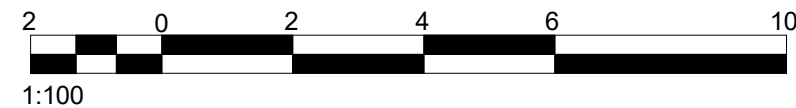
SHEET KEY NOTES

- ISOLATION JOINT. RE: 2/SS502 & 7/SS502.
- ASSUMED LATERAL BRACING BAY, COORD WITH MBS MANUF
- PROVIDE ADDITIONAL SLAB REINFORCEMENT AT RE-ENTRANT CORNERS AND DISCONTINUOUS SLAB JOINTS. RE: 6/SS502.
- THICKENED SLAB UNDER CMU WALLS, SEE STD DETAILS, COORDINATE WALL LOCATIONS WITH ARCH
- 400MM THICK CONCRETE STEM WALL. RE: 1/SB501 FOR REINFORCING INFORMATION.
- EXTERIOR STOOP RE: 1A/SS501 WITH T = 200mm AND ARCH FOR DIMENSIONS AND LOCATIONS.
- 100mm MINIMUM EQUIPMENT PAD. RE: 6/SS510
- BOLLARD RE: ARCH FOR BOLLARD LOCATION AND 2/SS501 FOR DETAILS.
- PROVIDE D16 AT 300 EACH WAY ON EACH FACE FOR EXTERIOR EQUIPMENT BASE. RE: 2/SS510.
- ISOLATION JOINT, RE: 2/SS502

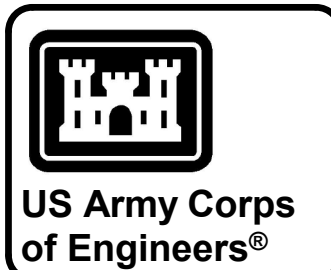
KEYPLAN



GRAPHIC SCALE & NORTH ARROW



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.

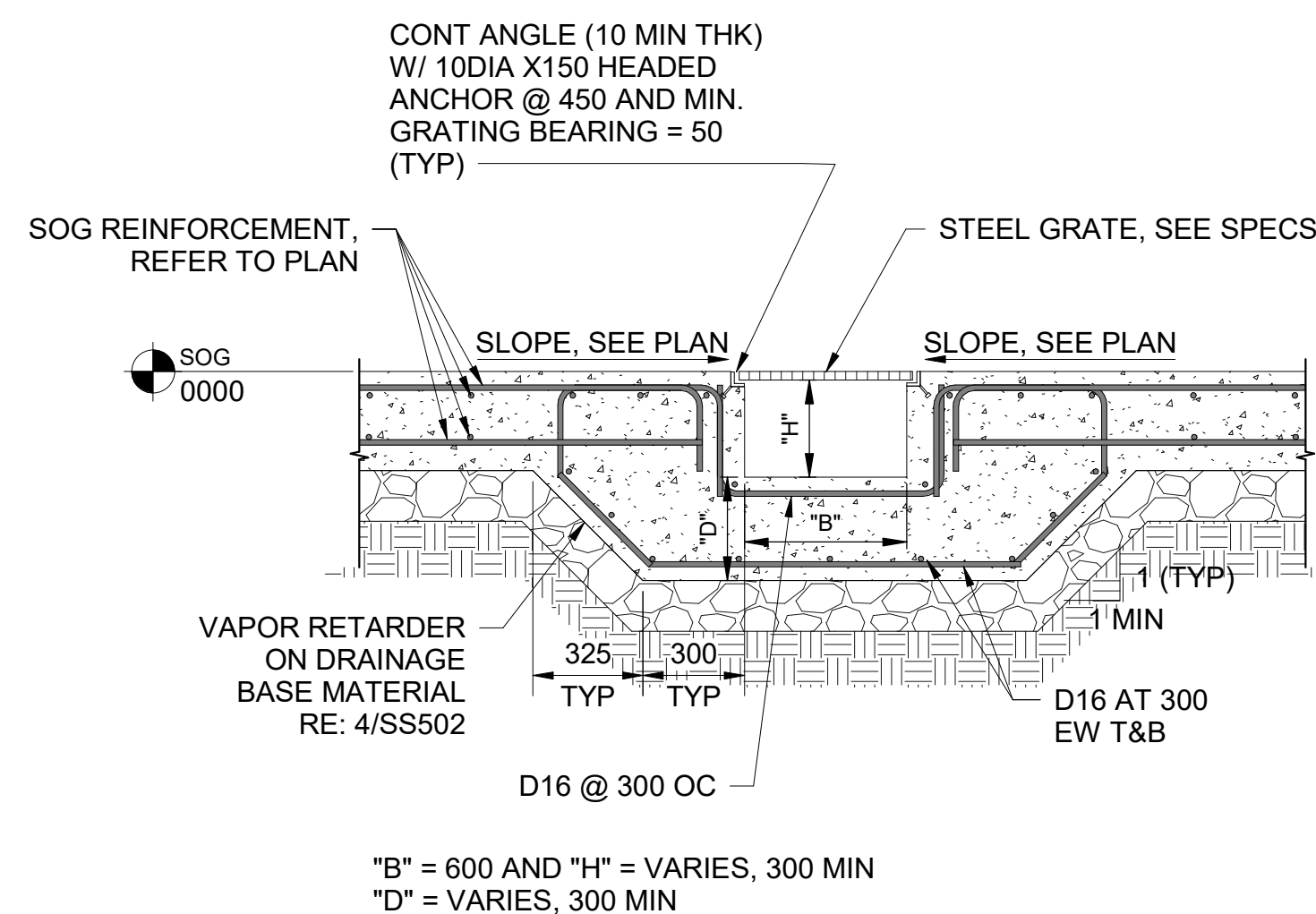


MARK	DESCRIPTION	DATE

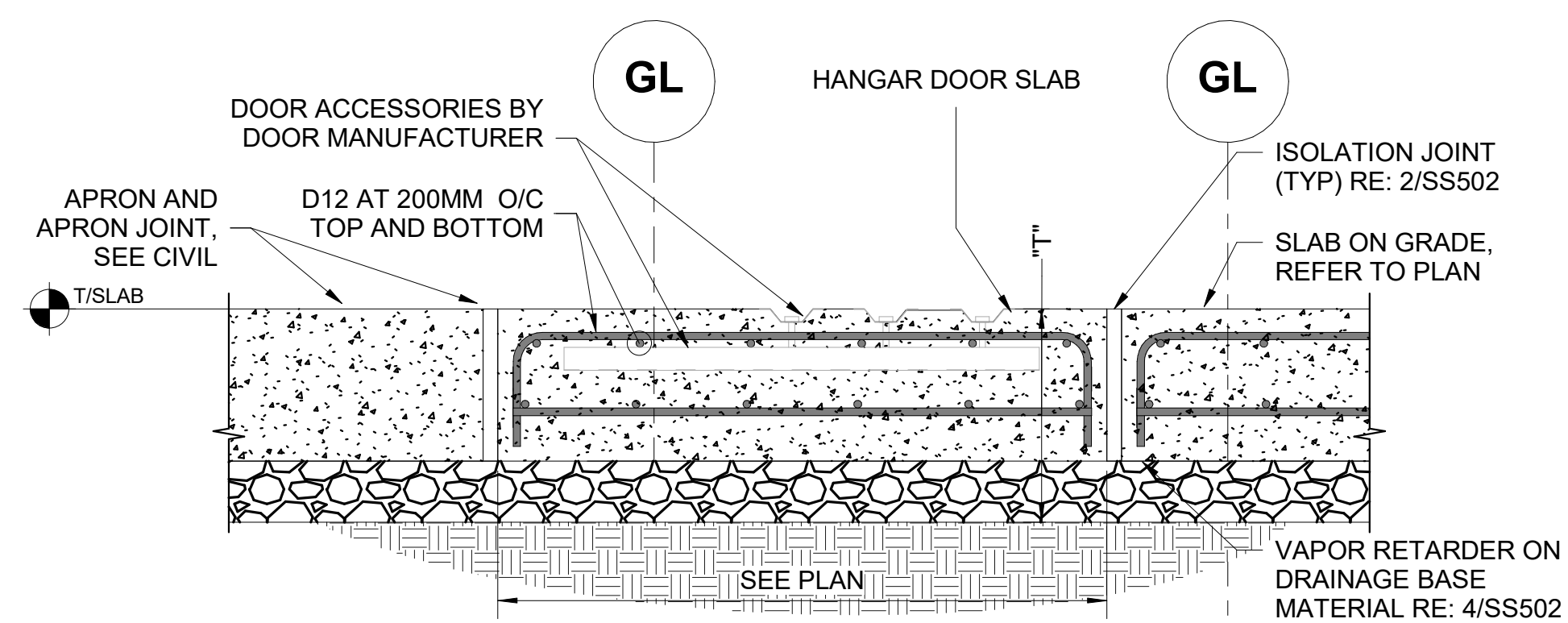
DESIGNED BY: K. CHANSAWAT	ISSUE DATE: JULY 2026
DRAWN BY: C. O'BANNON	SOLICITATION NO.: W812ER26RAD16
CHECKED BY: M. ALJUBOORI	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/13/2026 11:18:51 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-SB115

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	LOGISTICS READINESS CENTER FLOOR PLAN - GROUND FLOOR - AREA D
---	--

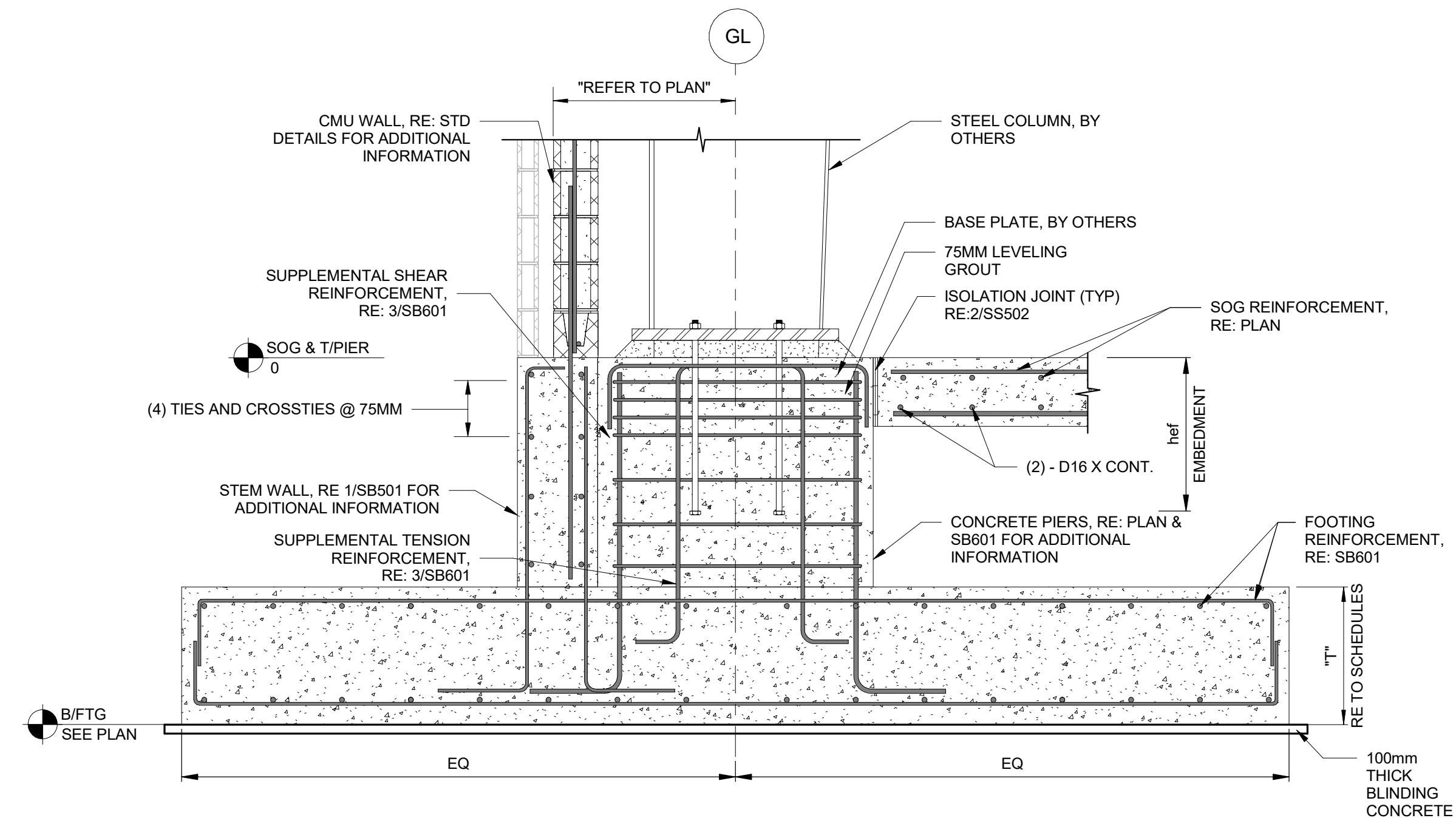
SHEET ID C
SB115



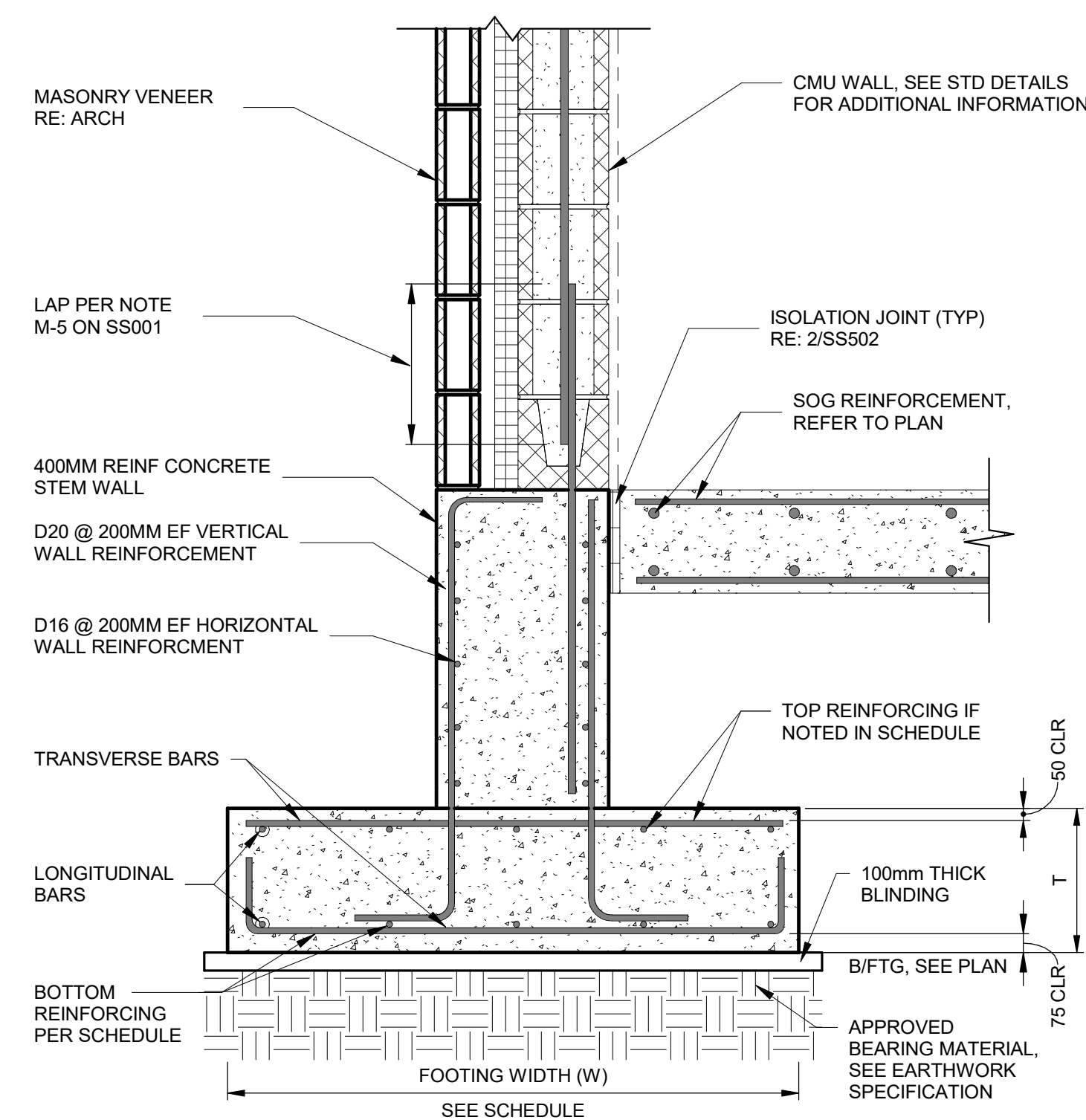
4 SECTION AT TRENCH DRAIN



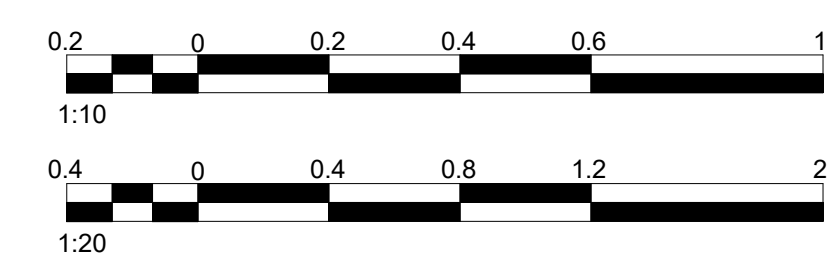
3 HANGAR DOOR SLAB DETAIL



2 DETAIL OF TAPERED COLUMN FOOTING



1 TYPICAL WALL FOOTING



UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.



**US Army Corps
of Engineers®**

[illegible]

K. CHANSAWAT	JULY 2026
DRAWN BY: C. O'BANNON	SOLICITATION NO.: W912ER26RA016
CHECKED BY: M. ALJUBORI	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/13/2026 11:18:51 AM
SIZE: ISO A1	FILE NAME: KU-509974-ZC-SB501

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
DETAILS - COLUMN FOOTING

SHEET ID
C
B501



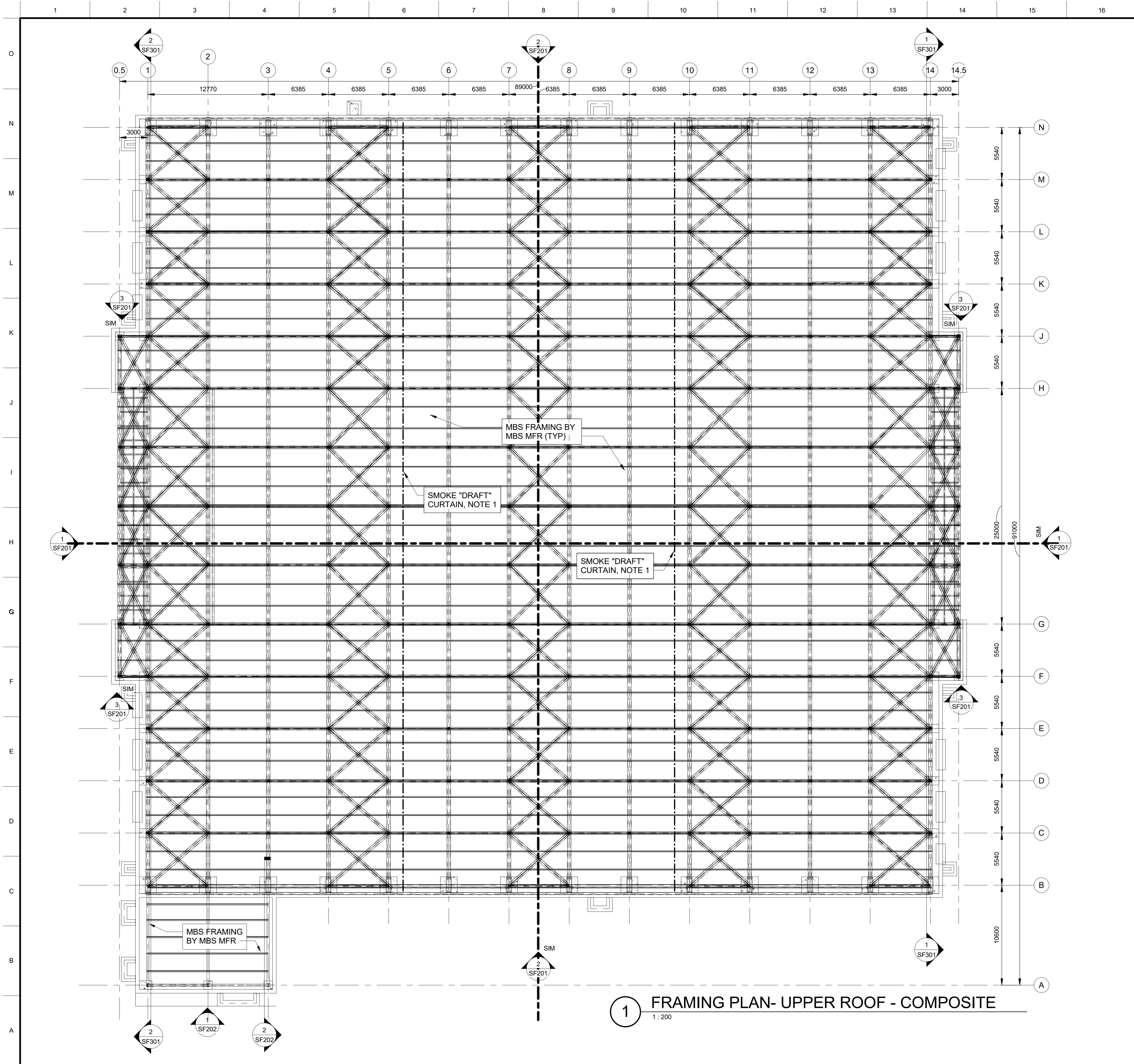
NTS

NTS

1



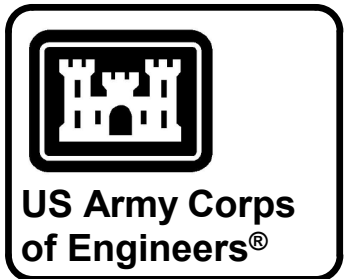
CDC



1 FRAMING PLAN- UPPER ROOF - COMPOSITE
1 : 200

GENERAL SHEET NOTES

1. SEE DWG. G1101 FOR SMOKE "DRAFT" CURTAIN LOCATIONS AND REQUIREMENTS. LOADING TO BE INCORPORATED IN MBS DESIGN BY MBS MANUFACTURER.



MARK	DESCRIPTION	DATE

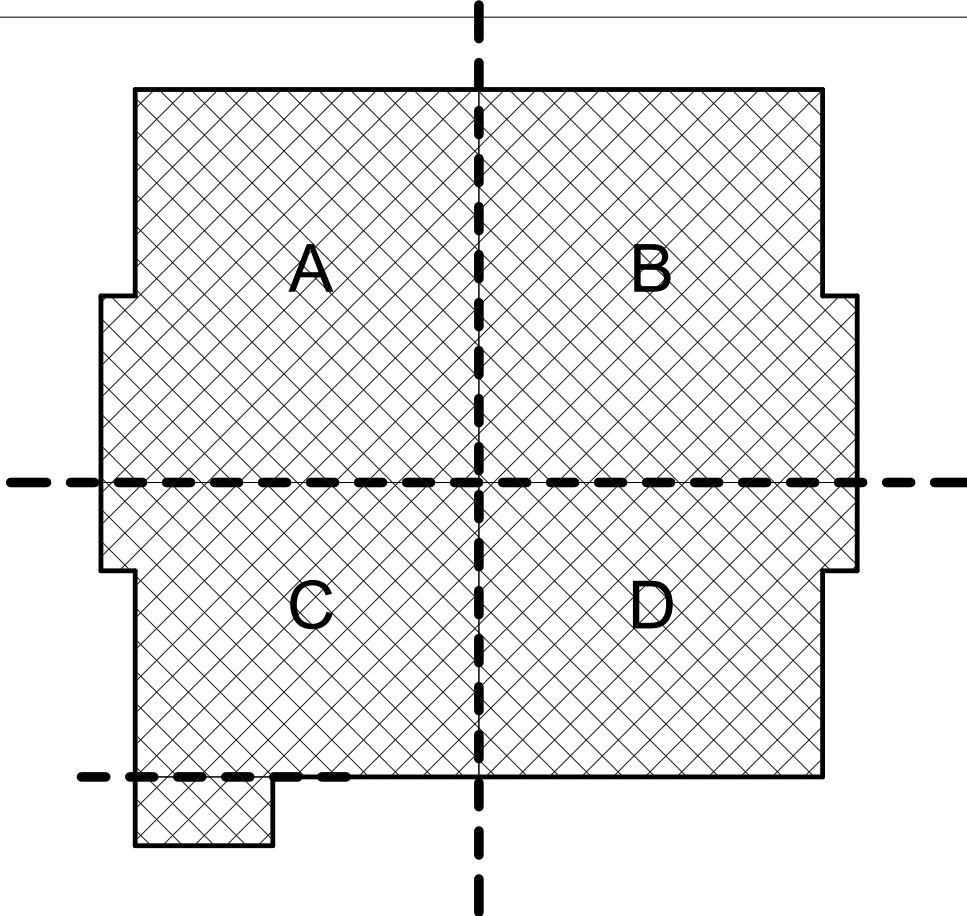
DESIGNED BY: K. CHANSAWAT	ISSUE DATE: JULY 2026
DRAWN BY: C. O'BANNON	SOLICITATION NO.: W812ER26RAD16
CHECKED BY: M. ALJUBOORI	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/13/2026 11:19:12 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-SF101

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

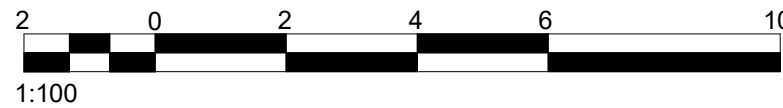
ALI AL SALEM AB, KUWAIT
KMOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
FRAMING PLAN - UPPER ROOF PLAN

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

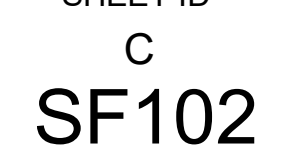


UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



The diagram shows a square domain. A vertical dashed line runs through the center, and a horizontal dashed line runs through the center. In the bottom-left corner, there is a small square region shaded with a cross-hatch pattern. This shaded region is bounded by the bottom and left edges of the domain and a vertical line segment.

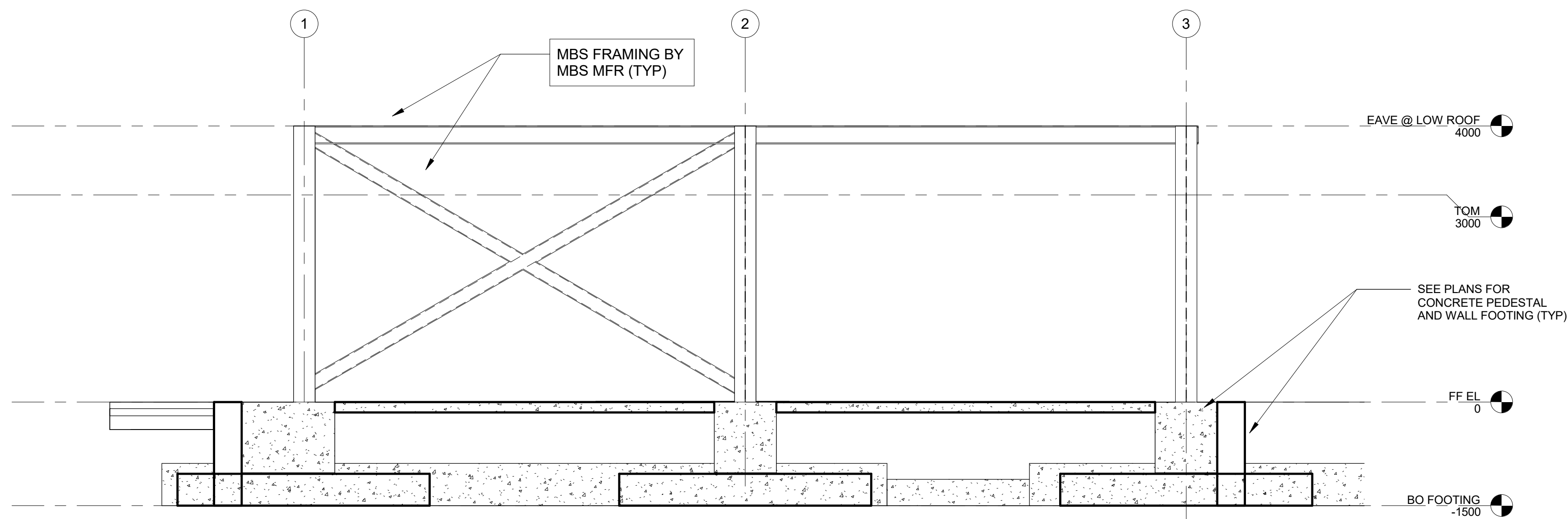
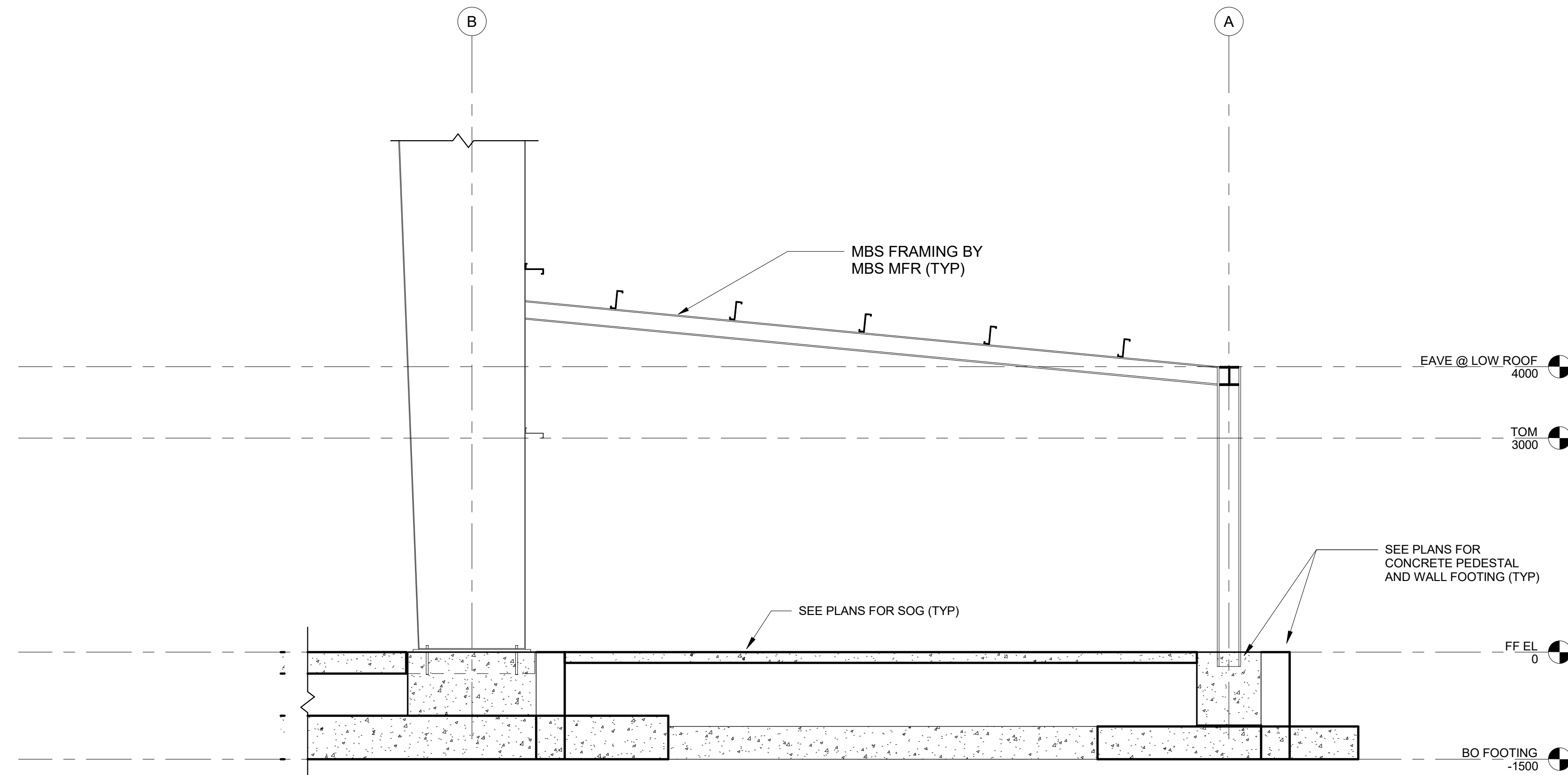
PLAN NORTH





SHEET ID
C
SF201





UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.

[illegible]

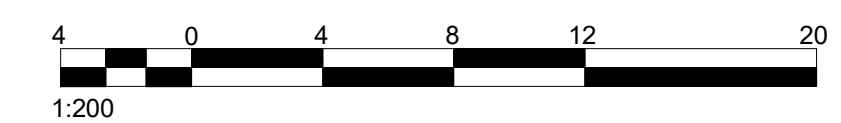
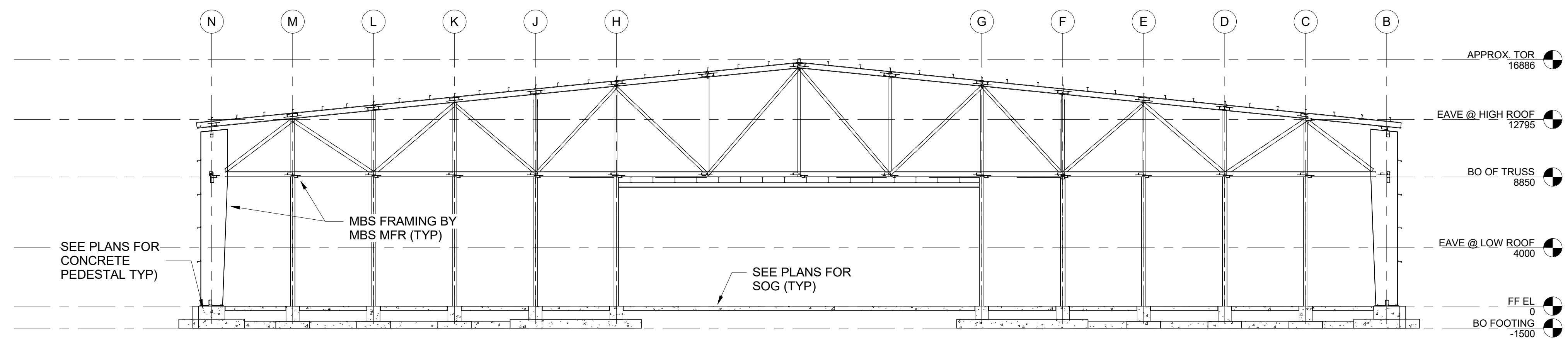
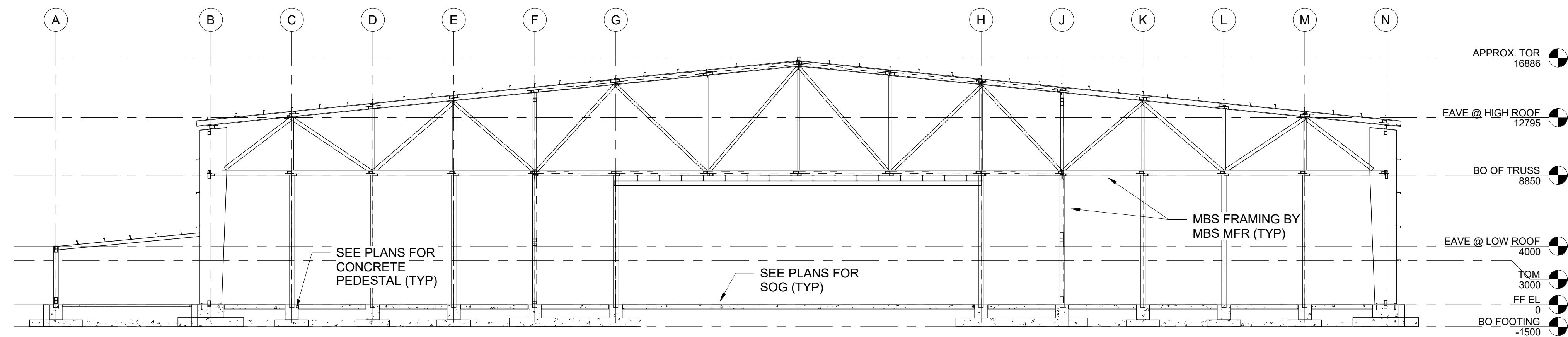
ISO A1	SIZE:	FILE NAME:	PLOT DATE:
ISO A1	7/13/2026 11:19:15 AM	KU-509874-2C-SF202	

MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

KUWAIT APACHE ALERT FACILITIES
KU-509974-2

ELEVATION VIEWS

HEET ID
C
F202

[illegible]

K. CHANDRANATH	SOLCIT NO.: W912ER26RA016
C. O'BANNON	CONTRACT NO.:
M. ALJUBORI	PLOT DATE: 7/13/2026 11:19:16 AM
A. FREEMAN	FILE NAME: ISO A1 KU-509874-2C-SF301

MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

KUWAIT APACHE ALERT FACILITIES
KU-509974-2

SECTION VIEWS

HEET ID
C
F301

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
O	ARCHITECTURAL ABBREVIATIONS & SYMBOLS																			
N	A A LABEL CLASS A DOOR A/C AIR CONDITIONING UNIT A/C UNIT AIR CONDITIONING UNIT A/E ARCHITECT/ENGINEER AB ANCHOR BOLT ACC ACCESSIBLE ACS AUTOMATIC CONTROL SYSTEM ACS DR ACCESS DOOR ACS PNL ACCESS PANEL ACT ACOUSTICAL CEILING TILE ADA AMERICANS WITH DISABILITIES ACT ADMINISTRATION ADMIN ADMINISTRATION AFC ABOVE FINISHED COUNTER AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AFS ABOVE FINISHED SLAB AGGR AGGREGATE AHU AIR HANDLING UNIT AIB AIR INFILTRATION BARRIER ALT ALTERNATE ALUM ALUMINUM ANOD ANODIZE APC ACOUSTICAL PANEL CEILING APPROX APPROXIMATE AR AS REQUIRED ARCH ARCHITECT ASC ABOVE SUSPENDED CEILING ASSY ASSEMBLY ATC ACOUSTICAL TILE CEILING AVG AVERAGE AW ARCHITECTURAL WOODWORK AWT ACOUSTICAL WALL TREATMENT B B LABEL CLASS B DOOR BALC BALCONY BB BASEBOARD BC BOOKCASE BID BID BDRY BOUNDARY BFF BELOW FINISH FLOOR BHMA BUILDER'S HARDWARE BLDG BUILDING BLKG BLINDING BLT IN BUILT IN BN BULLNOSE BO BOTTOM OF BOS BOTTOM OF STEEL BOT BOTTOM BP BUILDING PAPER BRKT BRACKET BSMT BASEMENT BTWN BETWEEN BUR BUILT-UP ROOFING C C CONC CAST CONCRETE C LABEL CLASS C DOOR CAB CABINET CATW CATWALK CAV CAVITY CBB CEMENTITIOUS (BACKER) BOARD CD CONSTRUCTION DOCUMENTS CDW CHILLED DRINKING WATER CEM PLAS CEMENT PLASTER CER CERAMIC CF CONTRACTOR FURNISHED CF/CI CONTRACTOR CFE FURNISHED/CONTRACTOR INSTALLED CFLG COUNTERFLASHING CFM CUBIC FEET PER MINUTE CFMF COLD-FORMED METAL FRAMING CFS CUBIC FEET PER SECOND CG CORNER GUARD CI CAST IRON CIP CAST-IN-PLACE CJ CONTROL JOINT CL CENTER LINE CLG CEILING CLG DIFF CEILING DIFFUSER CLG HT CEILING HEIGHT CLL COLUMN LINE CLO CLOSET CLR COLOR CLRM CLASSROOM CMU CONCRETE MASONRY UNIT CONDNS CONDENSATE CDR CARD READER CO CLEANOUT COL COLUMN COMM COMMUNICATION CONC CONCRETE CONC FLR CONCRETE FLOOR CONF CONFERENCE CONT CONTINUE COORD COORDINATE COR CONTRACTOR OF RECORD CORR CORRIDOR CP CONCRETE PIPE CPT CARPET CR CONTROL ROOM CS CAST STONE CSWK CASEWORK CT CERAMIC TILE CTB CERAMIC TILE BASE CTF CERAMIC TILE FLOOR CTR CENTER CU FT CUBIC FEET CW CASEMENT WINDOW D D DEPTH D LABEL CLASS D DOOR DBL DOUBLE DEMO DEMOLITION DEPT DEPARTMENT DET DETAIL DIA DIAMETER DIR DIRECTION DIST DISTANCE DOC DOCUMENT DOR DESIGNER OF RECORD DR DOOR DS DOWNSPOUT																			

E

E LABEL

CLASS E DOOR

EACH

EACH

EF

EACH FACE

EIFS

EXTERIOR INSULATION AND FINISH SYSTEM

EJ

EXPANSION JOINT

ES

EACH SIDE

EL

ELEVATION

ELEV

ELEVATOR

ENTR

ENTRANCE

EPS

EXPANDED POLYSTYRENE BOARD (INSULATION)

EQ

EQUAL

EWC

ELECTRIC WATER COOLER

EXP

EXPOSED

EXT

EXTERIOR

EXT

EXTINGUISHER

EXT GR

EXTERIOR GRADE

F

FA

FIRE ALARM

FAAP

FIRE ALARM ANNUNCIATOR

FAS BD

FASCIA BOARD

FC BRK

FACE BRICK

FCO

FLOOR CLEANOUT

FD

FLOOR DRAIN

FDTN

FOUNDATION

FE

FIRE EXTINGUISHER

FEC

FIRE EXTINGUISHER CABINET

FED

FEDERAL

FF

FINISH FACE

FF EL

FINISH FLOOR ELEVATION

FF INSUL

FOIL BACKED INSULATION

FG

FIBERGLASS

FH

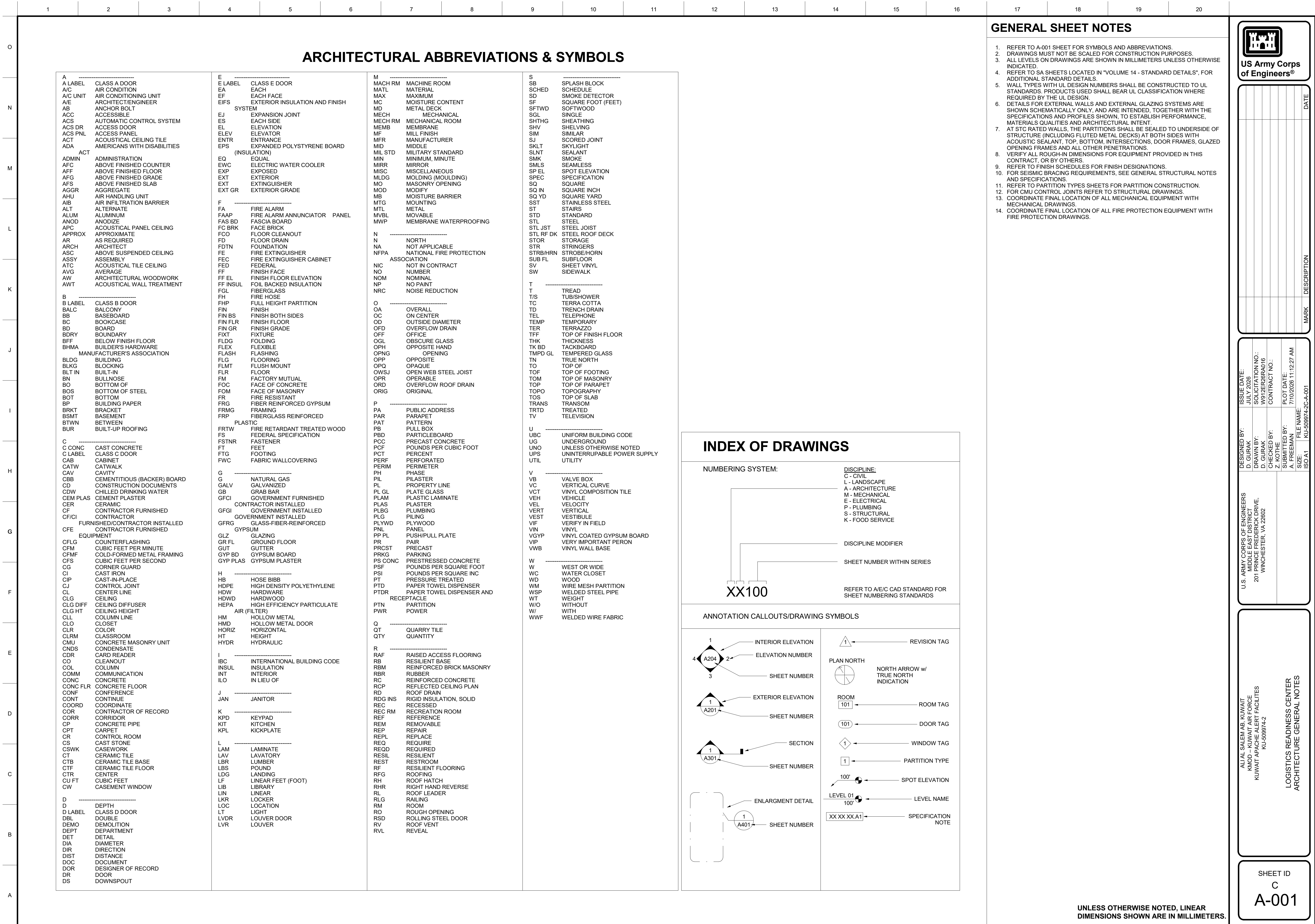
FIRE HOSE

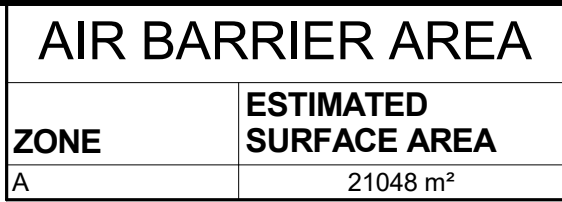
FHP

FULL

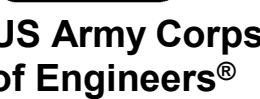
[illegible]

- [illegible]

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]



1. SEE SPECIFICATIONS FOR AIR BARRIER SYSTEM TESTING AND/OR INSPECTION.
2. REFERENCE DETAILS FOR CONT AIR BARRIER.
3. JOINT AND SEAL THE AIR BARRIER MATERIAL OF EACH ASSEMBLY IN A FLEXIBLE MANNER TO THE AIR BARRIER MATERIAL OF ADJACENT ASSEMBLIES ALLOWING FOR THE RELATIVE MOVEMENT OF THESE ASSEMBLIES AND COMPONENTS
4. IF ANY UNAVOIDABLE PENETRATION OF THE AIR BARRIER BY ELECTRICAL BOXES OR CONDUIT, PLUMBING, AND OTHER ASSEMBLIES ARE NOT AIRTIGHT, MAKE THEM AIRTIGHT BY SEALING THE ASSEMBLY AND THE INTERFACE BETWEEN THE ASSEMBLY AND THE AIR BARRIER OR BY EXTENDING THE AIR BARRIER OVER THE ASSEMBLY
5. WRAP ALL OPENINGS WITH AIR BARRIER MEMBRANE FLASHING PER MANUFACTURER.

[illegible]

U.S. DEPARTMENT OF JUSTICE FEDERAL BUREAU OF INVESTIGATION WASHINGTON, DC 20535	201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	D. GURAK MIDDLE EAST DISTRICT PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	W912ER26RA016 CONTRACT NO. 10	JULY 2026
---	---	---	----------------------------------	-----------

KEY PLAN

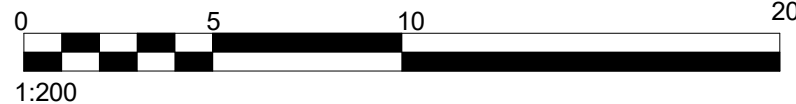
A

B

C

D

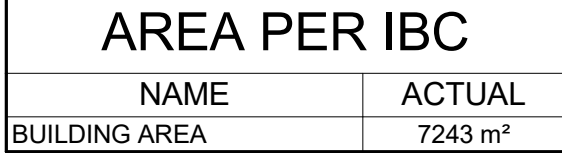
PLAN NORTH



**UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.**

LOGISTICS READINESS CENTER
AIR BARRIER PLAN - GROUND FLOOR

SHEET ID
C
AB101



1. CONSTRUCTION SHALL BE AS INDICATED IN DRAWINGS IN TANDEM WITH CONTRACT SPECIFICATIONS.
2. REFER TO SHEET SAS01 FOR WALL TYPES.
3. REFER TO SHEET AE600 SERIES FOR DOOR AND WINDOW SCHEDULES.
4. REFER TO SERIES FOR CORNER AND LIFE SAFETY PLANS.
5. REFER TO SHEET SAS01 FOR FIRE RATED ASSEMBLIES.
6. DIMENSIONS ARE TO FACE OF BLOCK OR FACE OF METAL STUD WALL.
7. NOTIFY COR FOR ANY DISCREPANCIES OR CONFLICTS.
8. DOOR LOCATIONS NOT DIMENSIONED ARE 200mm FROM FACE OF GYPSUM BOARD FINISH WALL TO DOOR JAMB.
9. ROUGH OPENINGS SHALL BE VERIFIED PRIOR TO ORDER AND MANUFACTURE OF DOORS AND WINDOWS.
10. REFERENCE LIFE SAFETY DRAWINGS FOR FIRE RATED WALL LOCATIONS. ALL FIRE RATED PARTITIONS ARE CONT ACROSS ALL OPENINGS AND PENETRATIONS.
11. IF TRUE NORTH ARROW IS NOT INDICATED ON ARCHITECTURAL DRAWING, REFER TO CIVL DRAWINGS FOR BUILDING LOCATION AND TRUE NORTH.

[illegible]

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 SOUTH BRIDGE AVE. WINCHESTER, VA 22090	DESIGNED BY: D. GURAK CHECKED BY: D. GURAK W913ER268RA010	ISSUE DATE: July 2026 PROJECT NO.: W913ER268RA010 CONTRACT NO.: CONTRACT NO.: PLOT DATE: 7/10/2026 11:12:31 AM ISSN A1: KU-598975-25-AE I01
---	---	--

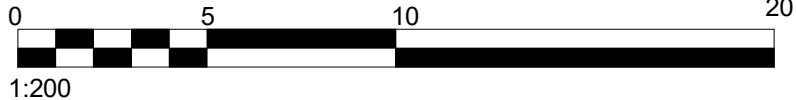
AL AL SALEM AB, KUWAIT
KMOB – KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

SHEET ID
C
AE101

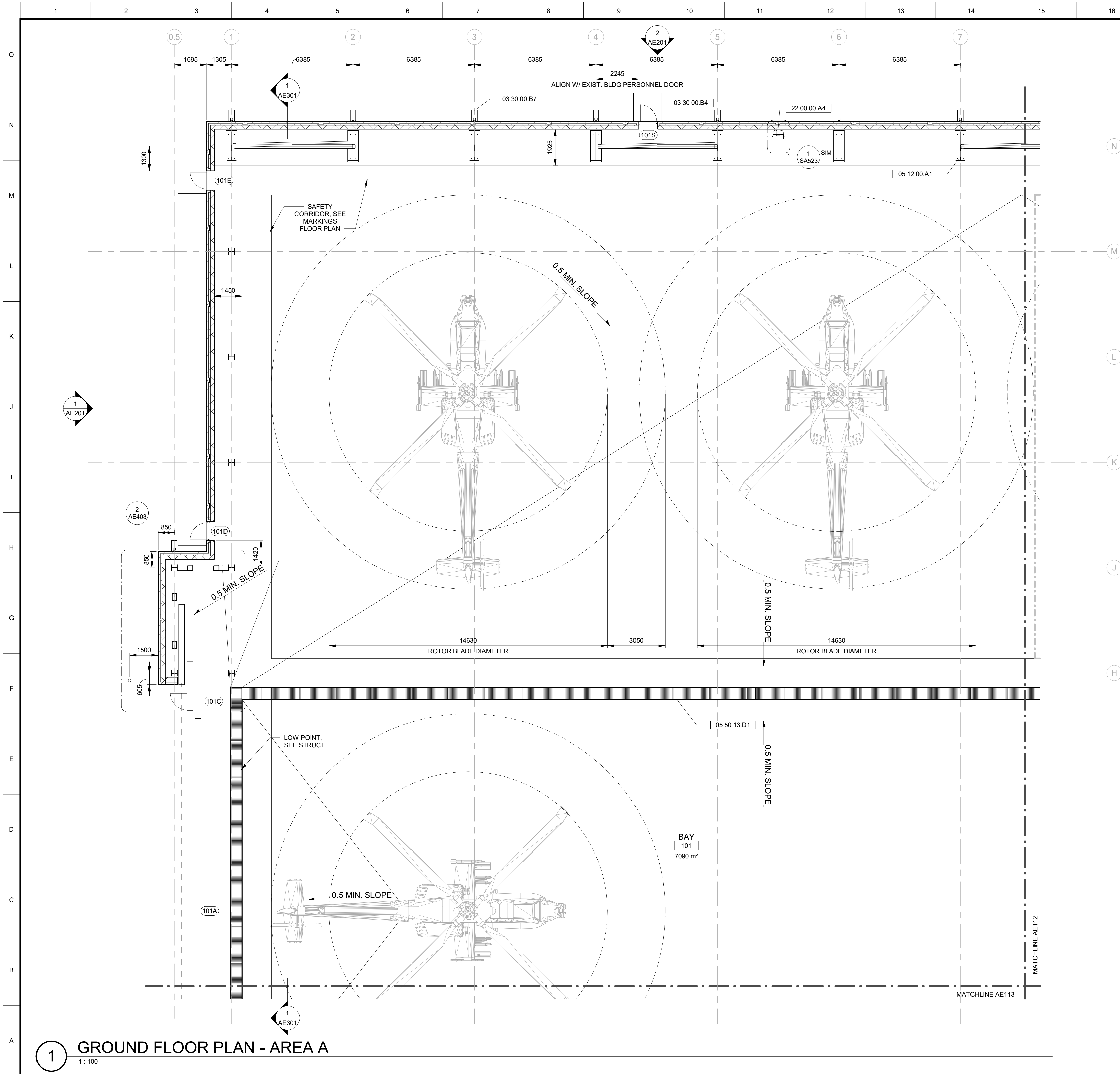
CDC

KEYPLAN

The keyplan shows a square plot divided into four quadrants by a vertical dashed line and a horizontal dashed line. The quadrants are labeled A (top-left), B (top-right), C (bottom-left), and D (bottom-right). The plot has a cross-shaped extension on the left side and a rectangular extension on the bottom-left corner.



**UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.**



1 GROUND FLOOR PLAN - AREA A
1:100

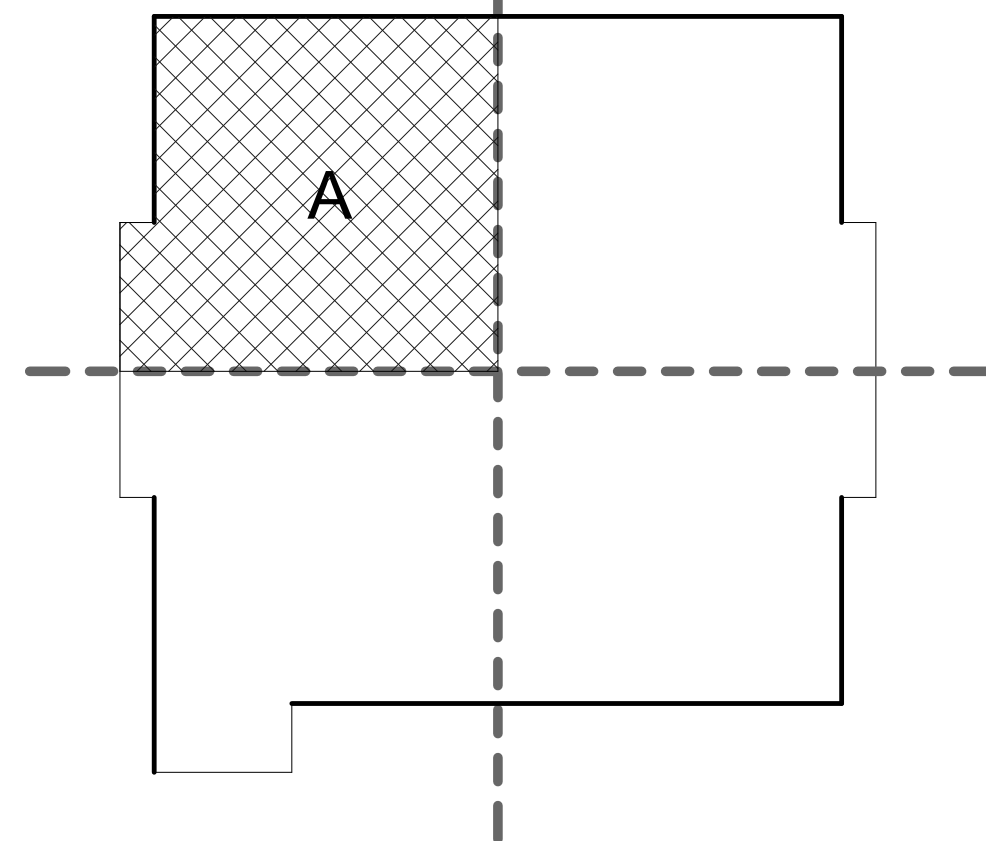
GENERAL SHEET NOTES

- CONSTRUCTION SHALL BE AS INDICATED IN DRAWINGS IN TANDEM WITH CONTRACT SPECIFICATIONS.
- REFER TO SHEET SA501 FOR WALL TYPES.
- REFER TO SHEET AE600 SERIES FOR DOOR AND WINDOW SCHEDULES.
- REFER TO GI SERIES FOR CODE ANALYSIS AND LIFE SAFETY PLANS.
- REFER TO SHEET SA501 FOR FIRE RATED ASSEMBLIES.
- DIMENSIONS ARE TO FACE OF BLOCK OR FACE OF METAL STUD WALL.
- NOTIFY COR FOR ANY DISCREPANCIES OR CONFLICTS.
- DOOR LOCATIONS NOT DIMENSIONED ARE 200mm FROM FACE OF GYPSUM BOARD OR CMU FINISH WALL TO DOOR JAMB.
- ROUGH OPENINGS SHALL BE VERIFIED PRIOR TO ORDER AND MANUFACTURE OF DOORS AND WINDOWS.
- REFERENCE LIFE SAFETY DRAWINGS FOR FIRE RATED WALL LOCATIONS. ALL FIRE RATED PARTITIONS ARE CONT ACROSS ALL OPENINGS AND PENETRATIONS.
- IF TRUE NORTH ARROW IS NOT INDICATED ON ARCHITECTURAL DRAWING, REFER TO CIVL DRAWINGS FOR BUILDING LOCATION AND TRUE NORTH.

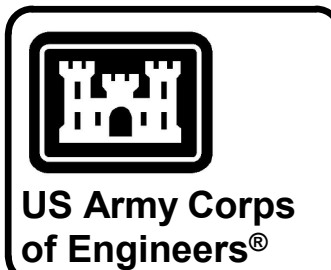
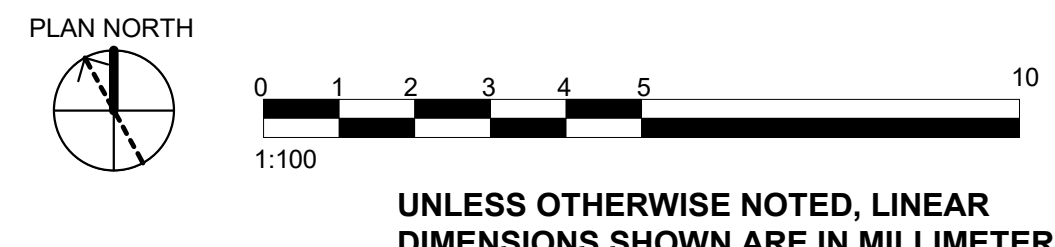
SPECIFICATIONS NOTES

03 30 00.B4	CONCRETE STOOP, TYP; SEE SA506
03 30 00.B7	CONCRETE SPLASH BLOCK, TYPICAL
05 12 00.A1	STEEL COLUMN, TYP; SEE STRUCTURAL
05 50 13.D1	FLOOR GRATING
22 00 00.A4	PORTABLE GRAVITY-FED EMERGENCY EYEWASH

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

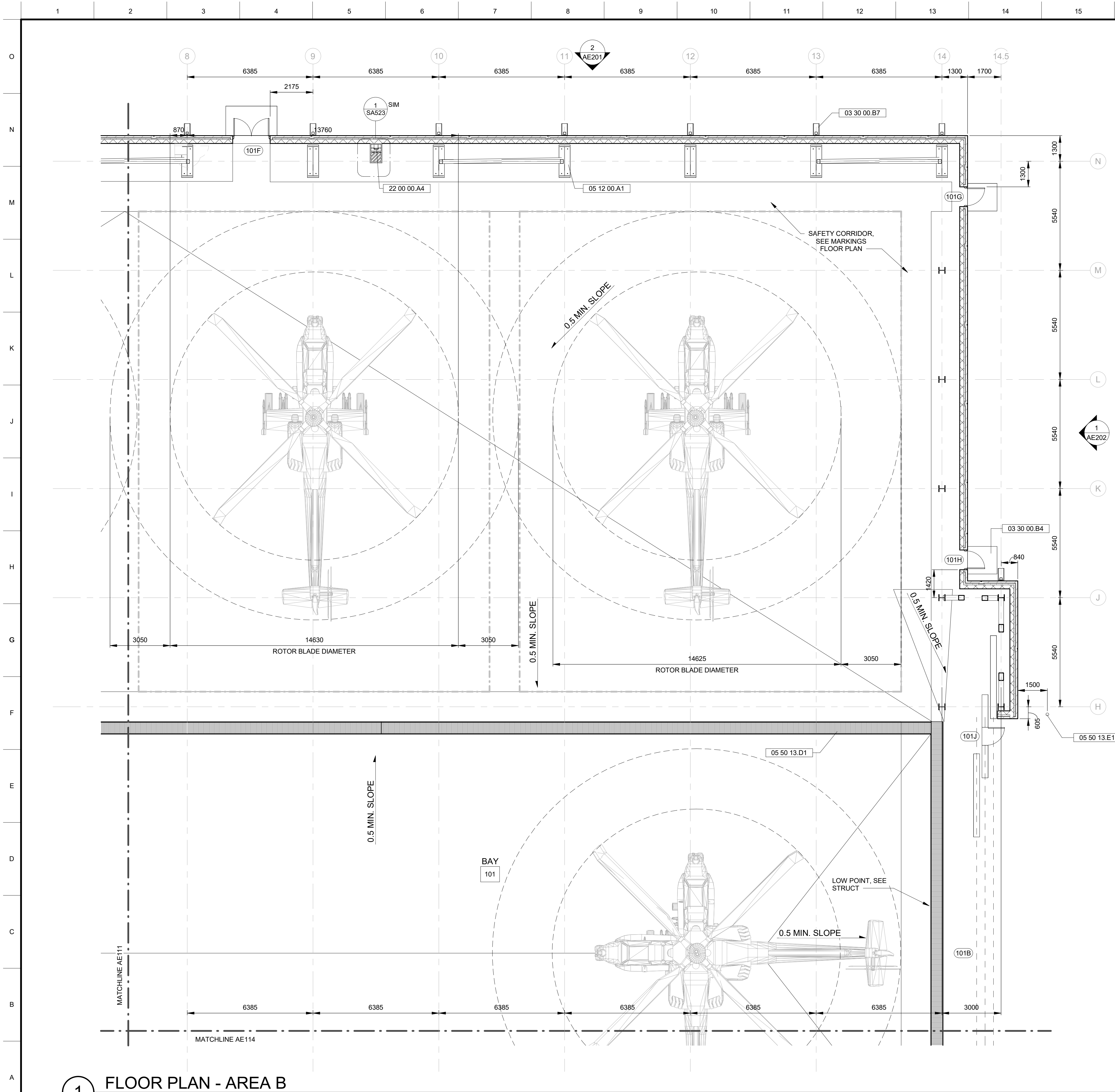


MARK	DESCRIPTION	DATE

DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER6RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:12:32 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-AE102

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	ALI AL SALEM AB, KUWAIT KMOD - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER GROUND FLOOR PLAN - AREA A	

SHEET ID C AE102



1 FLOOR PLAN - AREA B
1 : 100

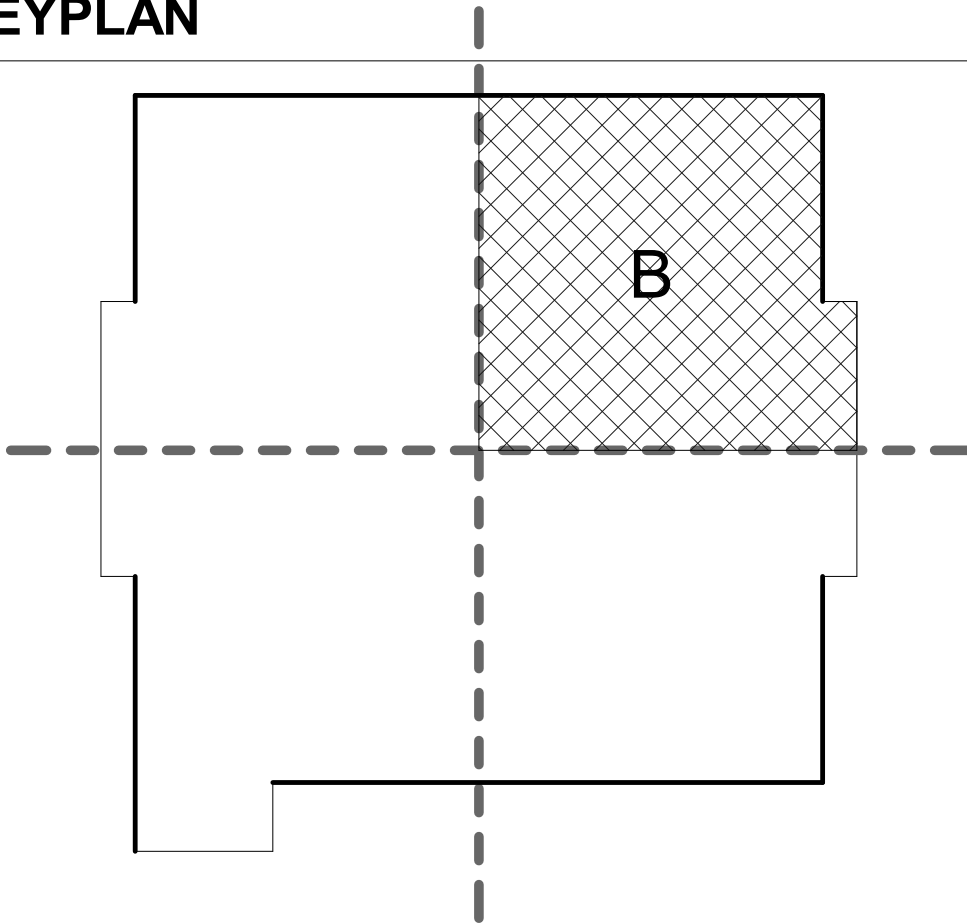
GENERAL SHEET NOTES

- CONSTRUCTION SHALL BE AS INDICATED IN DRAWINGS IN TANDEM WITH CONTRACT SPECIFICATIONS.
- REFER TO SHEET SA501 FOR WALL TYPES.
- REFER TO SHEET AE600 SERIES FOR DOOR AND WINDOW SCHEDULES.
- REFER TO GI SERIES FOR CODE ANALYSIS AND LIFE SAFETY PLANS.
- REFER TO SHEET SA501 FOR FIRE RATED ASSEMBLIES.
- DIMENSIONS ARE TO FACE OF BLOCK OR FACE OF METAL STUD WALL.
- NOTIFY COR FOR ANY DISCREPANCIES OR CONFLICTS.
- DOOR LOCATIONS NOT DIMENSIONED ARE 200mm FROM FACE OF GYPSUM BOARD OR CMU FINISH WALL TO DOOR JAMB.
- ROUGH OPENINGS SHALL BE VERIFIED PRIOR TO ORDER AND MANUFACTURE OF DOORS AND WINDOWS.
- REFERENCE LIFE SAFETY DRAWINGS FOR FIRE RATED WALL LOCATIONS. ALL FIRE RATED PARTITIONS ARE CONT ACROSS ALL OPENINGS AND PENETRATIONS.
- IF TRUE NORTH ARROW IS NOT INDICATED ON ARCHITECTURAL DRAWING, REFER TO CIVL DRAWINGS FOR BUILDING LOCATION AND TRUE NORTH.

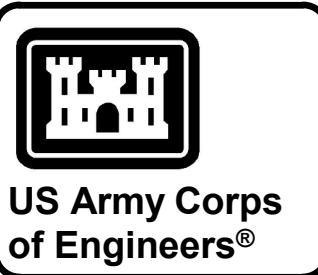
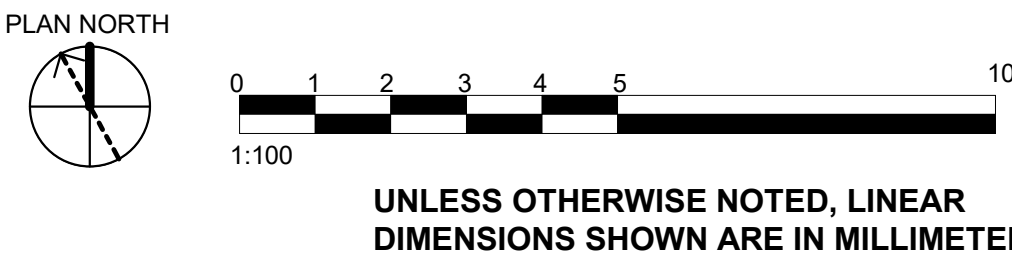
SPECIFICATIONS NOTES

03 30 00.B4	CONCRETE STOOP, TYP; SEE SA506
03 30 00.B7	CONCRETE SPLASH BLOCK, TYPICAL
05 12 00.A1	STEEL COLUMN, TYP; SEE STRUCTURAL
05 50 13.D1	FLOOR GRATING
05 50 13.E1	BOLLARDS/PIPE GUARD, TYP
22 00 00.A4	PORTABLE GRAVITY-FED EMERGENCY EYEWASH

KEYPLAN



GRAPHIC SCALE & NORTH ARROW



MARK	DESCRIPTION	DATE

DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER6RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:12:34 AM
FILE NAME: ISO 11	FILE NAME: KU-509974-2C-AE103

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	ALI AL SALEM AB, KUWAIT KMOO - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER GROUND FLOOR PLAN - AREA B	

SHEET ID C AE103



1. CONSTRUCTION SHALL BE AS INDICATED IN DRAWINGS IN TANDEM WITH CONTRACT SPECIFICATIONS.
2. REFER TO SHEET SA501 FOR WALL TYPES.
3. REFER TO SHEET AE600 SERIES FOR DOOR AND WINDOW SCHEDULES.
4. REFER TO G1 SERIES FOR CODE ANALYSIS AND LIFE SAFETY PLANS.
5. REFER TO SHEET SA501 FOR FIRE RATED ASSEMBLIES.
6. DIMENSIONS ARE TO FACE OF BLOCK OR FACE OF METAL STUD WALL.
7. NOTIFY COR FOR ANY DISCREPANCIES OR CONFLICTS.
8. DOOR LOCATIONS NOT DIMENSIONED ARE 200mm FROM FACE OF GYPSUM BOARD OR CMU FINISH WALL TO DOOR JAMB.
9. ROOF OPENINGS SHALL BE VERIFIED PRIOR TO ORDER AND MANUFACTURE OF DOORS AND WINDOWS.
10. REFERENCE LIFE SAFETY DRAWINGS FOR FIRE RATED WALL LOCATIONS. ALL FIRE RATED PARTITIONS ARE CONT ACROSS ALL OPENINGS AND PENETRATIONS.
11. IF TRUE NORTH ARROW IS NOT INDICATED ON ARCHITECTURAL DRAWING, REFER TO CIVL DRAWINGS FOR BUILDING LOCATION AND TRUE NORTH.

03 30 00.B4	CONCRETE STOOP, TYP; SEE SA506
03 30 00.B5	CONCRETE PAD.
03 30 00.B6	CONCRETE SKIRT TYP., SEE CIVIL.
03 30 00.B7	CONCRETE SPLASH BLOCK, TYPICAL
05 50 13.D1	FLOOR GRATING
05 50 13.E1	BOLLARDS/PIPE GUARD, TYP
23 00 00.A1	MECHANICAL EQUIPMENT; SEE MECHANICAL

KEY PLAN

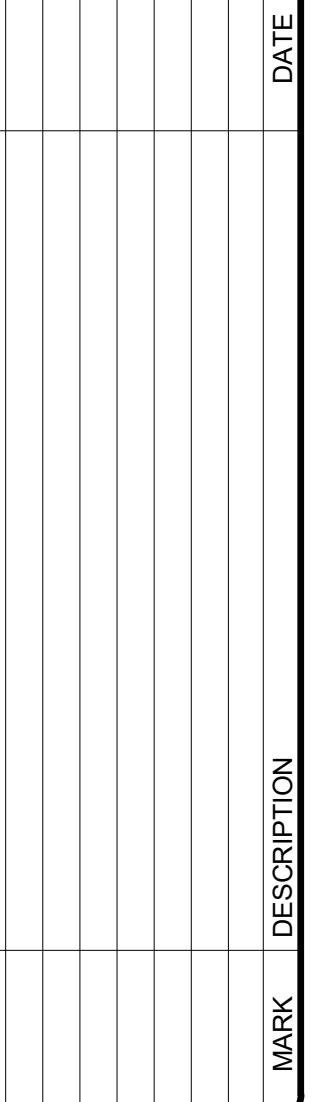
The Key Plan shows a building footprint with a cross-section line A-A. A hatched area labeled 'C' is located in the bottom-left corner of the footprint.

PLAN NORTH

0 1 2 3 4 5 10

1:100

UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.

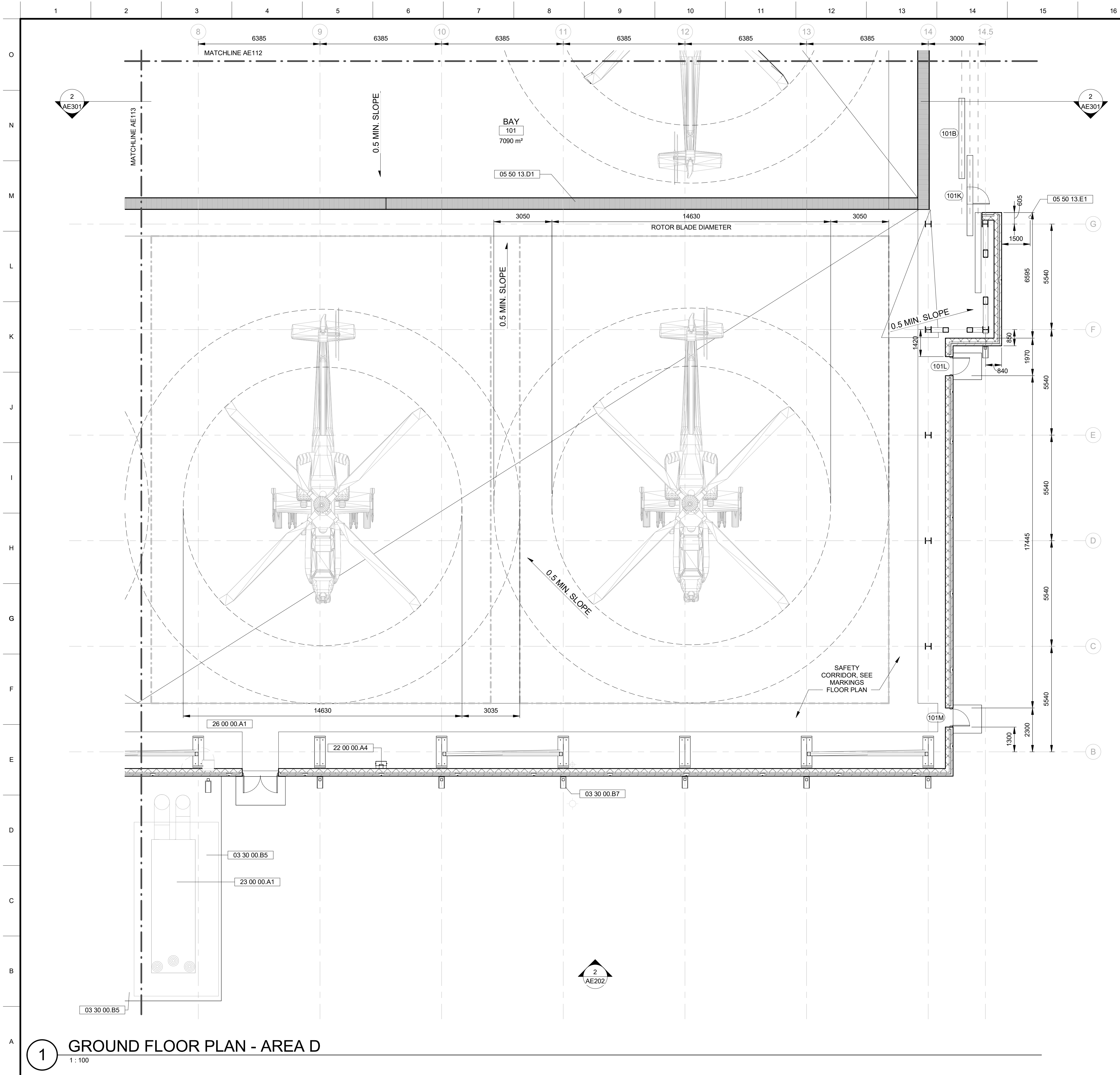


MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

KMOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
GROUND FLOOR PLAN - AREA C

SHEET ID
C
AE104



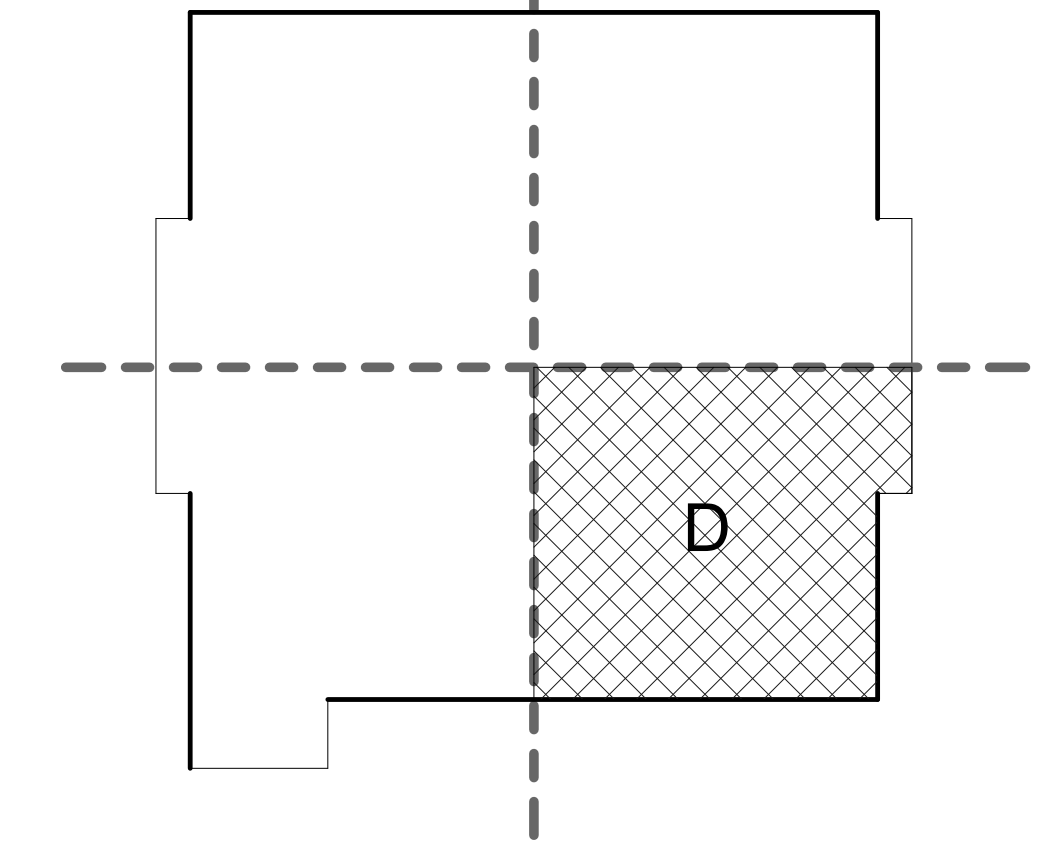
GENERAL SHEET NOTES

- 1. CONSTRUCTION SHALL BE AS INDICATED IN DRAWINGS IN TANDEM WITH CONTRACT SPECIFICATIONS.
- 2. REFER TO SHEET SA501 FOR WALL TYPES.
- 3. REFER TO SHEET AE600 SERIES FOR DOOR AND WINDOW SCHEDULES.
- 4. REFER TO GI SERIES FOR CODE ANALYSIS AND LIFE SAFETY PLANS.
- 5. REFER TO SHEET SA501 FOR FIRE RATED ASSEMBLIES.
- 6. DIMENSIONS ARE TO FACE OF BLOCK OR FACE OF METAL STUD WALL.
- 7. NOTIFY COR FOR ANY DISCREPANCIES OR CONFLICTS.
- 8. DOOR LOCATIONS NOT DIMENSIONED ARE 200mm FROM FACE OF GYPSUM BOARD OR CMU FINISH WALL TO DOOR JAMB.
- 9. ROUGH OPENINGS SHALL BE VERIFIED PRIOR TO ORDER AND MANUFACTURE OF DOORS AND WINDOWS.
- 10. REFERENCE LIFE SAFETY DRAWINGS FOR FIRE RATED WALL LOCATIONS. ALL FIRE RATED PARTITIONS ARE CONT ACROSS ALL OPENINGS AND PENETRATIONS.
- 11. IF TRUE NORTH ARROW IS NOT INDICATED ON ARCHITECTURAL DRAWING, REFER TO CIVL DRAWINGS FOR BUILDING LOCATION AND TRUE NORTH.

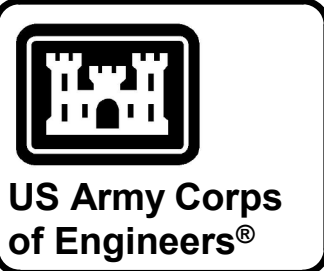
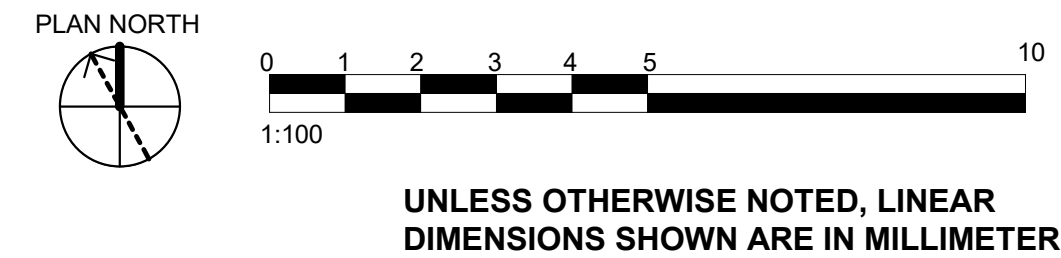
SPECIFICATIONS NOTES

03 30 00.B5	CONCRETE PAD.
03 30 00.B7	CONCRETE SPLASH BLOCK, TYPICAL
05 50 13.D1	FLOOR GRATING
05 50 13.E1	BOLLARDS/PIPE GUARD, TYP
22 00 00.A4	PORTABLE GRAVITY-FED EMERGENCY EYEWASH
23 00 00.A1	MECHANICAL EQUIPMENT; SEE MECHANICAL
26 00 00.A1	ELECTRICAL EQUIPMENT; SEE ELECTRICAL

KEYPLAN



GRAPHIC SCALE & NORTH ARROW



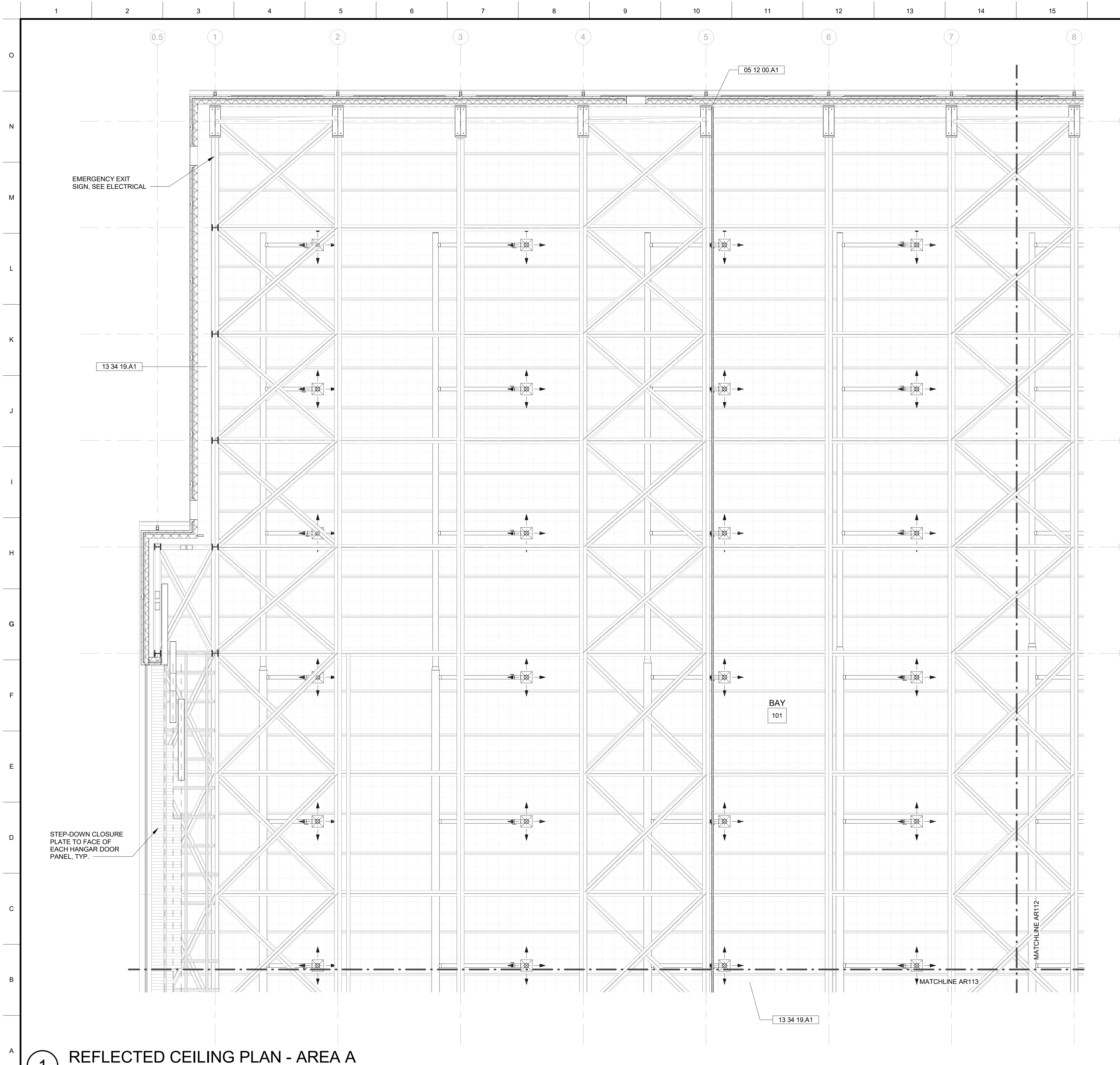
MARK	DESCRIPTION	DATE

DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER26RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:12:36 AM
FILE NAME: ISO A1	FILE NAME: KU-509974-2C-AE105

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	ALI AL SALEM AB, KUWAIT KMOD - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER GROUND FLOOR PLAN - AREA D	

SHEET ID C AE105





GENERAL SHEET NOTES

1. REFLECTED CEILING PLAN SHOWN FOR LAYOUT AND COORDINATION PURPOSES ONLY. COORDINATE MECHANICAL EQUIPMENT, ELECTRICAL LIGHTING, AND FIRE PROTECTION WITH RESPECTIVE DRAWINGS.
2. FIXTURE LEGENDS- SEE EACH DISCIPLINE DRAWINGS.
3. CELING HEIGHTS ARE SHOWN TO HEIGHT ABOVE FINISH FLOOR.
4. STRUCTURAL FRAMING COMPONENTS SHALL BE SHOP PRIMED AND FINISHED PER SPEC.
5. ALL CEILING GRIDS TO BE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
6. ALL LIGHTS, SPEAKERS, SPRINKLERS, SIGNAGE, STROBES AND OTHER HARDWARE INSTALLED IN TILED CEILING SYSTEMS TO BE CENTERED IN TILES IN BOTH DIRECTIONS UNLESS NOTED OTHERWISE.
7. REFERENCE ROOM FINISH SCHEDULE FOR ADDITIONAL CEILING FINISH INFORMATION.
8. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH THE FINAL LOCATIONS OF MECHANICAL EQUIPMENT AS REQUIRED TO SERVICE EQUIPMENT AND TO PROVIDE ACCESS TO ALL ABOVE CEILING EQUIPMENT.

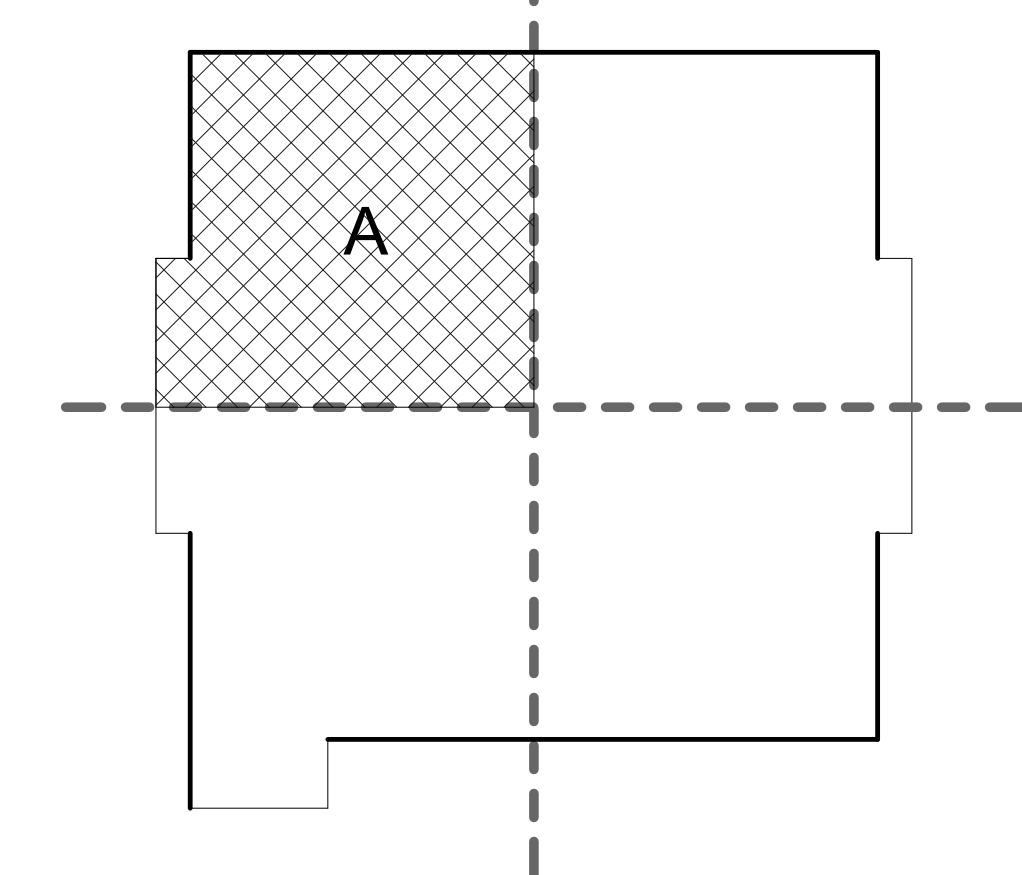
SPECIFICATIONS NOTES

05 12 00.A1	STEEL COLUMN, TYP; SEE STRUCTURAL
13 34 19.A1	BIRD NESTING/ROOSTING MITIGATION SYSTEM

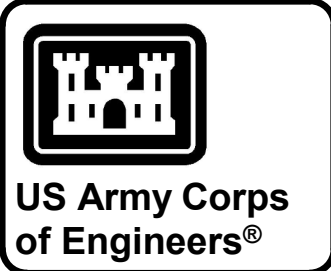
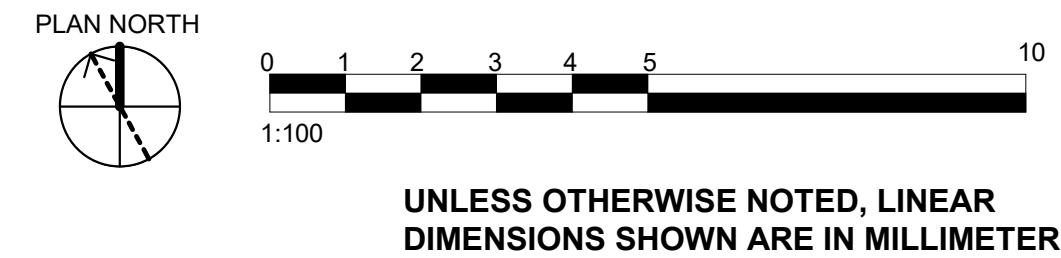
LEGEND - REFLECTED CEILING PLAN

- [Symbol] "OTS" OPEN TO STRUCTURE
- [Symbol] SOFFIT PANEL
- [Symbol] ## CEILING HEIGHT

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

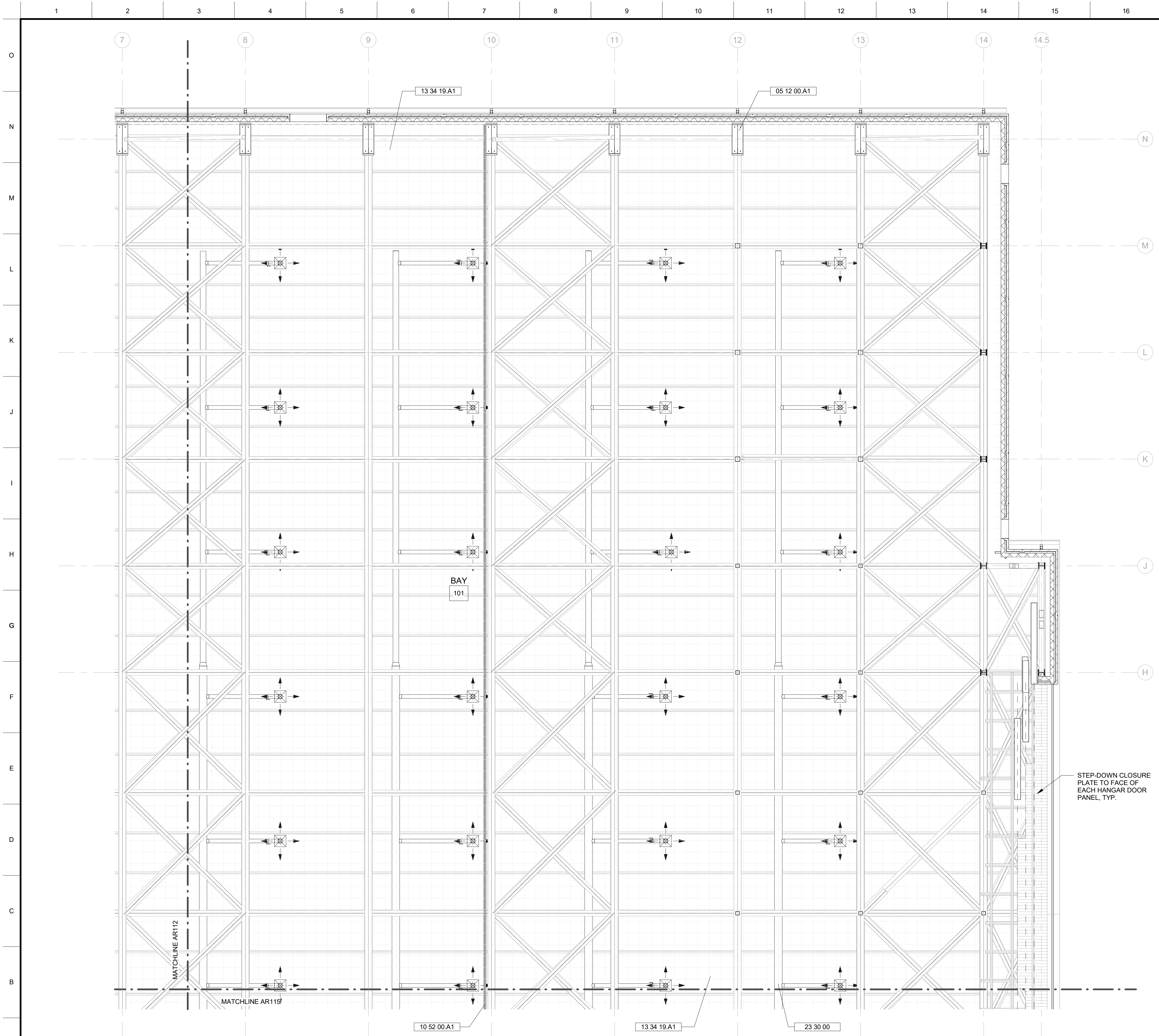


MARK	DESCRIPTION	DATE

DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER26RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:13:24 AM
ISO A1	FILE NAME: KU-509974-2C-AR102

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE WINCHESTER, VA 22602	ALI AL SALEM AB, KUWAIT KMOD - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER GROUND FLOOR REFLECTED CEILING PLAN - AREA A	

SHEET ID C AR102



1 GROUND FLOOR REFLECTED CEILING PLAN - AREA B
1 : 100

GENERAL SHEET NOTES

1. REFLECTED CEILING PLAN SHOWN FOR LAYOUT AND COORDINATION PURPOSES ONLY. COORDINATE MECHANICAL EQUIPMENT, ELECTRICAL LIGHTING, AND FIRE PROTECTION WITH RESPECTIVE DRAWINGS.
2. FIXTURE LEGENDS- SEE EACH DISCIPLINE DRAWINGS.
3. CEILING HEIGHTS ARE SHOWN TO HEIGHT ABOVE FINISH FLOOR.
4. STRUCTURAL FRAMING COMPONENTS SHALL BE SHOP PRIMED AND FINISHED PER SPEC.
5. ALL CEILING GRIDS TO BE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
6. ALL LIGHTS, SPEAKERS, SPRINKLERS, SIGNAGE, STROBES AND OTHER HARDWARE INSTALLED IN TILED CEILING SYSTEMS TO BE CENTERED IN TILES IN BOTH DIRECTIONS UNLESS NOTED OTHERWISE.
7. REFERENCE ROOM FINISH SCHEDULE FOR ADDITIONAL CEILING FINISH INFORMATION.
8. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH THE FINAL LOCATIONS OF MECHANICAL EQUIPMENT AS REQUIRED TO SERVICE EQUIPMENT AND TO PROVIDE ACCESS TO ALL ABOVE CEILING EQUIPMENT.

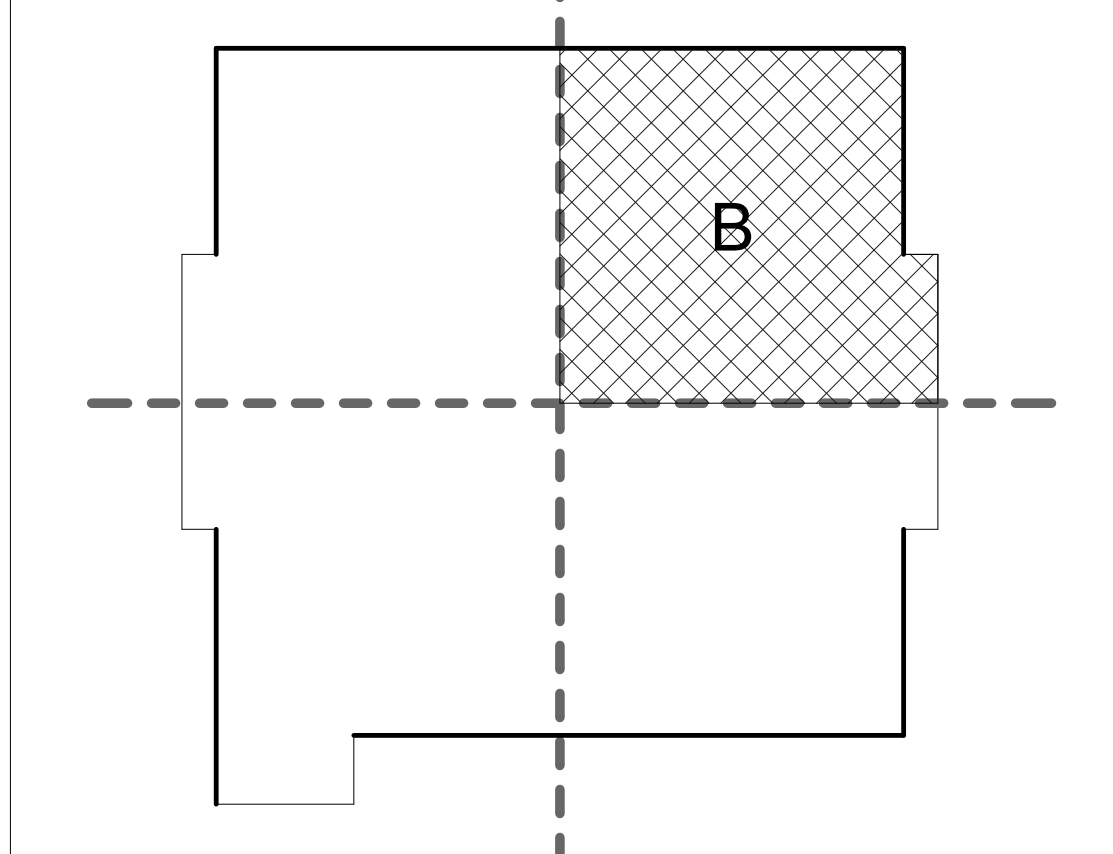
SPECIFICATIONS NOTES

05 12 00.A1	STEEL COLUMN, TYP; SEE STRUCTURAL
10 52 00.A1	SMOKE DRAFT CURTAIN, SEE GI & FA SERIES
13 34 19.A1	BIRD NESTING/ROOSTING MITIGATION SYSTEM
23 30 00	HVAC AIR DISTRIBUTION

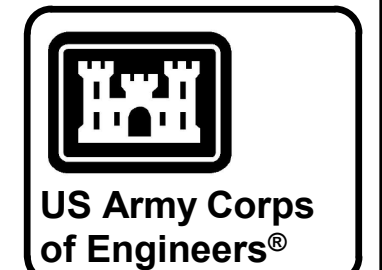
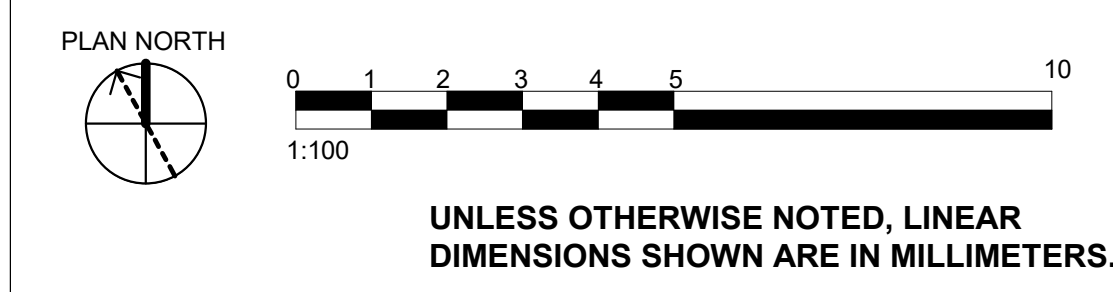
LEGEND - REFLECTED CEILING PLAN

- "OTS" OPEN TO STRUCTURE
- SOFFIT PANEL
- ## CEILING HEIGHT

KEYPLAN



GRAPHIC SCALE & NORTH ARROW



MARK	DESCRIPTION	DATE

DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER6RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:13:25 AM
FILE NAME: ISO A1	FILE NAME: KU-509974-2C-AR103

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	ALI AL SALEM AB, KUWAIT KMOB - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER B	GROUND FLOOR REFLECTED CEILING PLAN - AREA B

SHEET ID C AR103



1. REFLECTED CEILING PLAN SHOWN FOR LAYOUT AND COORDINATION PURPOSES ONLY. COORDINATE MECHANICAL EQUIPMENT, ELECTRICAL LIGHTING, AND FIRE PROTECTION WITH RESPECTIVE DRAWINGS.
2. FIXTURE LEGENDS: SEE EACH DISCIPLINE DRAWINGS.
3. ALL LIGHTS ARE TO BE SHOWN TO THE FINISH FLOOR.
4. STRUCTURAL FRAMING COMPONENTS SHALL BE SHOP PRIMED AND FINISHED PER SPEC.
5. ALL CEILING GRIDS TO BE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
6. ALL LIGHTS, SPEAKERS, SPRINKLERS, SIGNAGE, STROBES AND OTHER HARDWARE INSTALLED IN TILED CEILING SYSTEMS TO BE CENTERED IN TILES IN BOTH DIRECTIONS UNLESS NOTED OTHERWISE.
7. REFERENCE ROOM FINISH SCHEDULE FOR ADDITIONAL CEILING FINISH INFORMATION.
8. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH THE FINAL LOCATIONS OF MECHANICAL EQUIPMENT AS REQUIRED TO SERVICE EQUIPMENT AND TO PROVIDE ACCESS TO ALL ABOVE CEILING EQUIPMENT.

05 12 00.A1	STEEL COLUMN, TYP; SEE STRUCTURAL
10 52 00.A1	SMOKE DRAFT CURTAIN, SEE GI & FA SERIES
13 34 19.A1	BIRD NESTING/ROOSTING MITIGATION SYSTEM
23 30 00	HVAC AIR DISTRIBUTION
23 30 00.B1	MECHANICAL DUCT; SEE MECHANICAL

-  "OTS" OPEN TO STRUCTURE
 SOFFIT PANEL
 CEILING HEIGHT

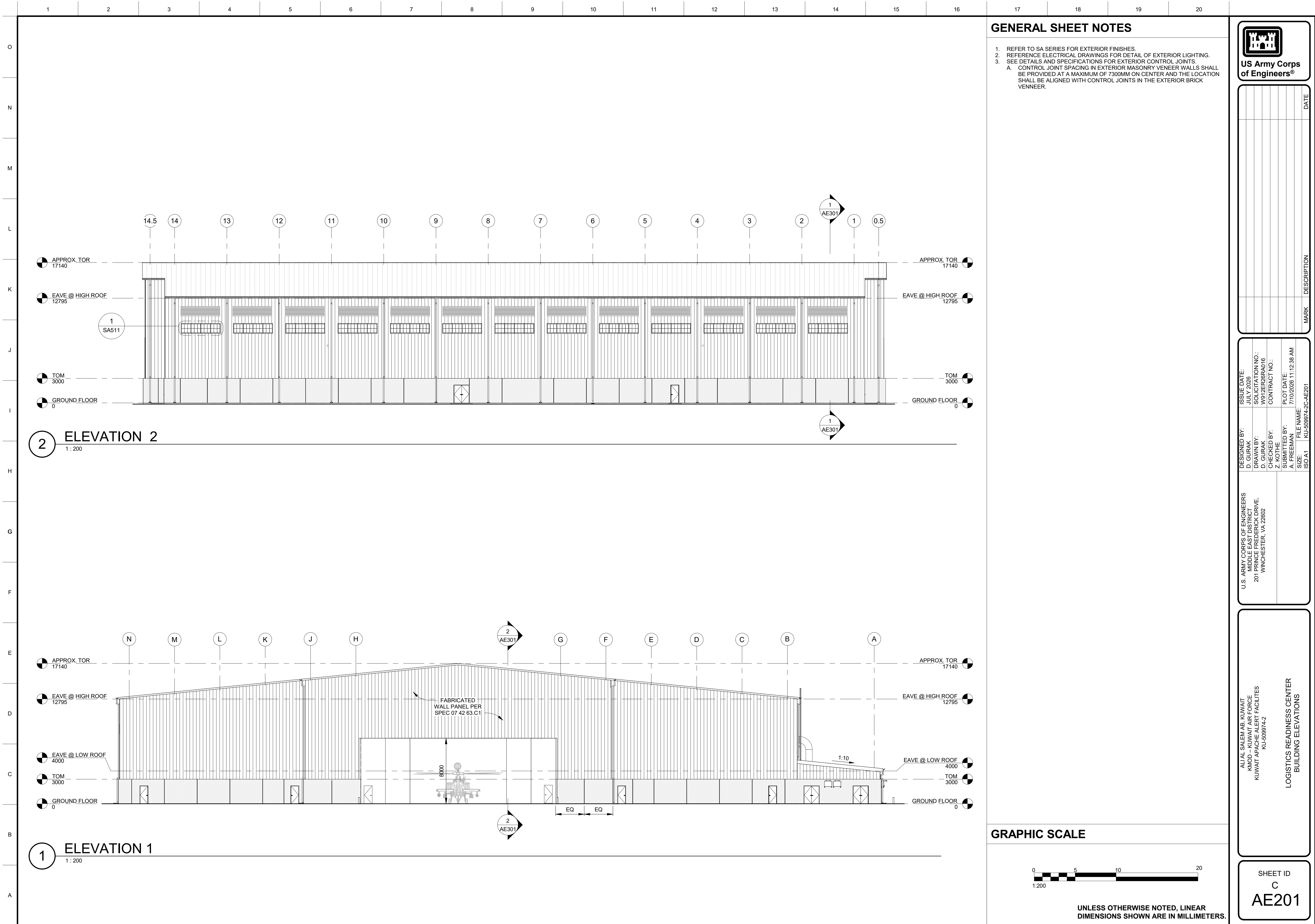
PLAN NORTH

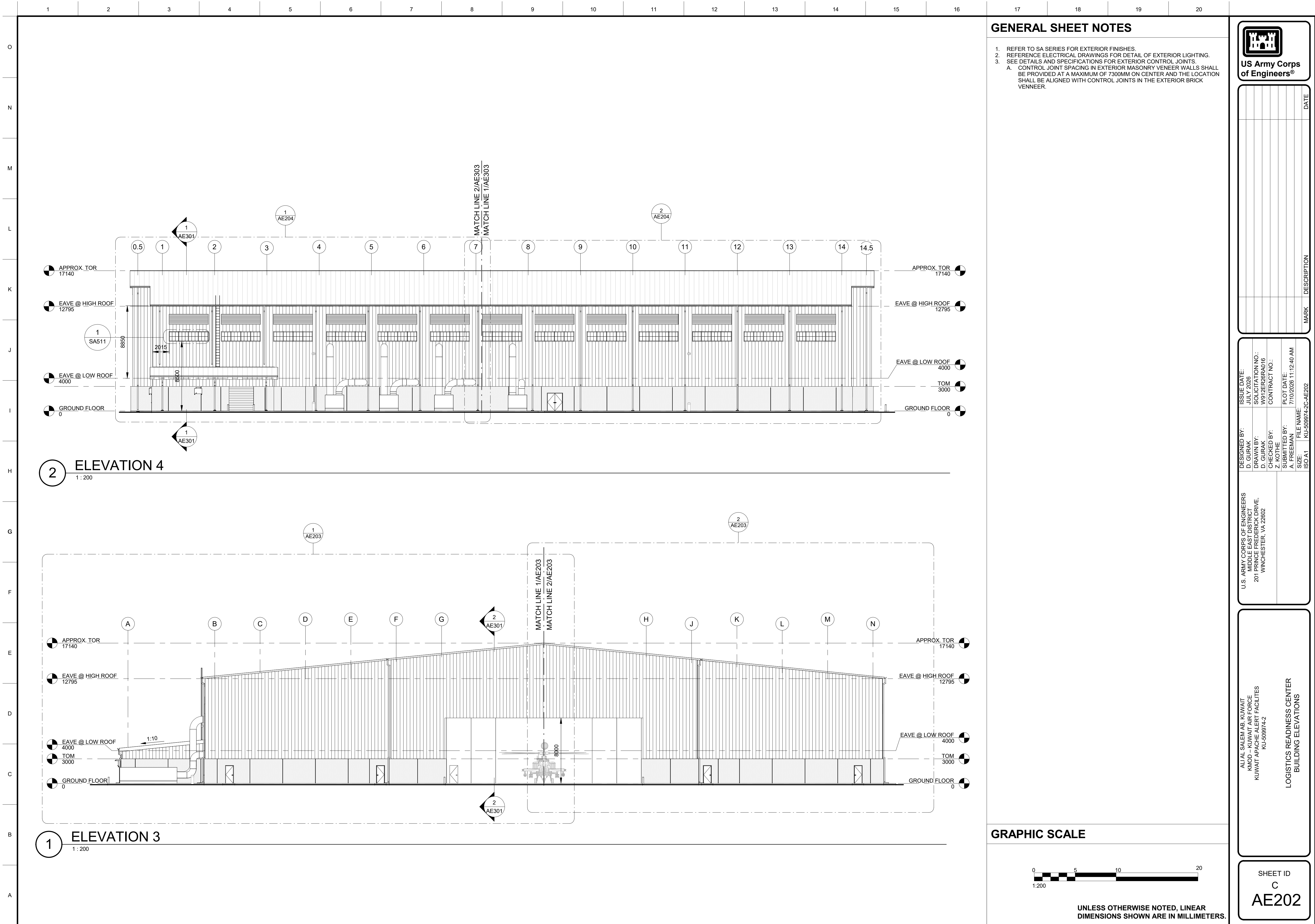
0 1 2 3 4 5 10
1:100

~~UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS~~

CDC

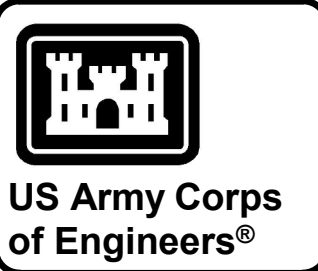






GENERAL SHEET NOTES

- 1. REFER TO SA SERIES FOR EXTERIOR FINISHES.
- 2. REFERENCE ELECTRICAL DRAWINGS FOR DETAIL OF EXTERIOR LIGHTING.
- 3. SEE DETAILS AND SPECIFICATIONS FOR EXTERIOR CONTROL JOINTS.
 - A. CONTROL JOINT SPACING IN EXTERIOR MASONRY VENEER WALLS SHALL BE PROVIDED AT A MAXIMUM OF 7300MM ON CENTER AND THE LOCATION SHALL BE ALIGNED WITH CONTROL JOINTS IN THE EXTERIOR BRICK VENNEER.

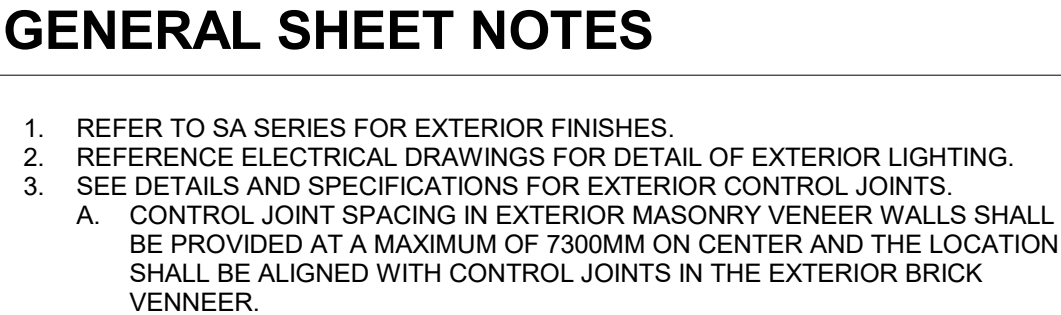


DATE
DESCRIPTION
MARK

DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER6RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:12:40 AM
ISO 11	FILE NAME: KU-509974-2C-AE202

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	LOGISTICS READINESS CENTER BUILDING ELEVATIONS
---	---

SHEET ID C AE202



SPECIFICATIONS NOTES

03 30 00.07	CONCRETE SPLASH BLOCK, TYPICAL
04 20 00.C3	SAND-LIME BRICK VENEER
05 50 13.E1	BOLLARDS/PIPE GUARD, TYP
05 51 33.A1	METAL LADDER, SEE 9/SA506 & 6/SA506
07 41 63.B1	FABRICATED ROOF PANEL
07 41 63.D1	RIDGE CAP
07 42 63.D1	INSULATED METAL WALL PANEL ASSEMBLY
07 60 00.H1	GUTTER, TYP
07 60 00.I1	DOWNSPOUT, TYP
08 33 23	OVERHEAD COILING DOOR, TYP
08 60 45	TRANSLUCENT PANEL, TYP; SEE AE511
23 00 00.A1	MECHANICAL EQUIPMENT; SEE MECHANICAL
23 00 00.B1	MECHANICAL DUCT; SEE MECHANICAL
23 00 00.C1	MECHANICAL LOUVER; SEE MECHANICAL



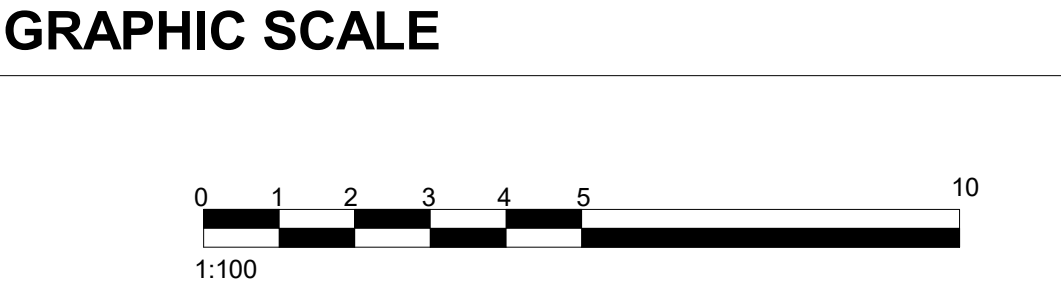
US Army Corps
of Engineers®

[illegible]

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
	DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER26RA016
	CHECKED BY: Z. KOTHE	CONTRACT NO.:
	SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:12:49 AM
	SIZE:	FILE NAME: KU-509974-2C-AE204
	ISO A1	

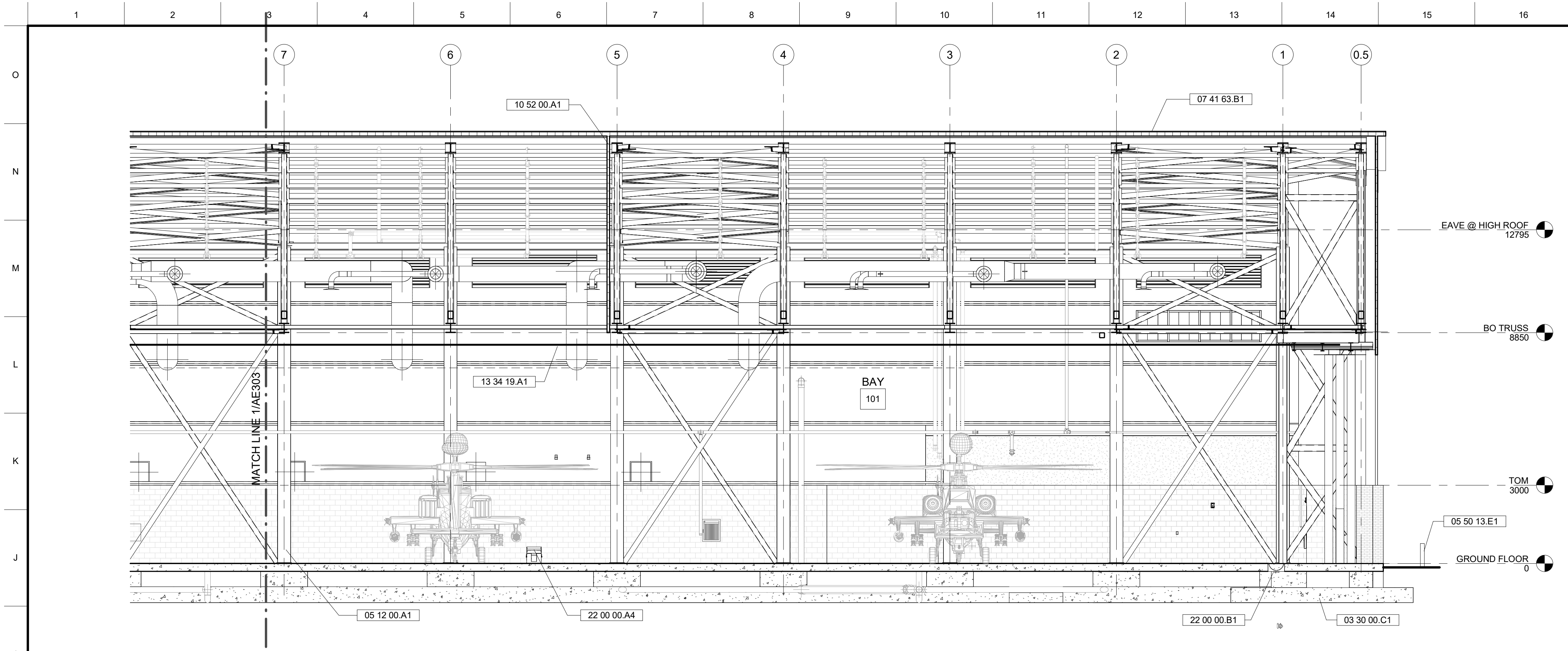
AL AL SALEM AB, KUWAIT
KM0D - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

SHEET ID
C
AE204

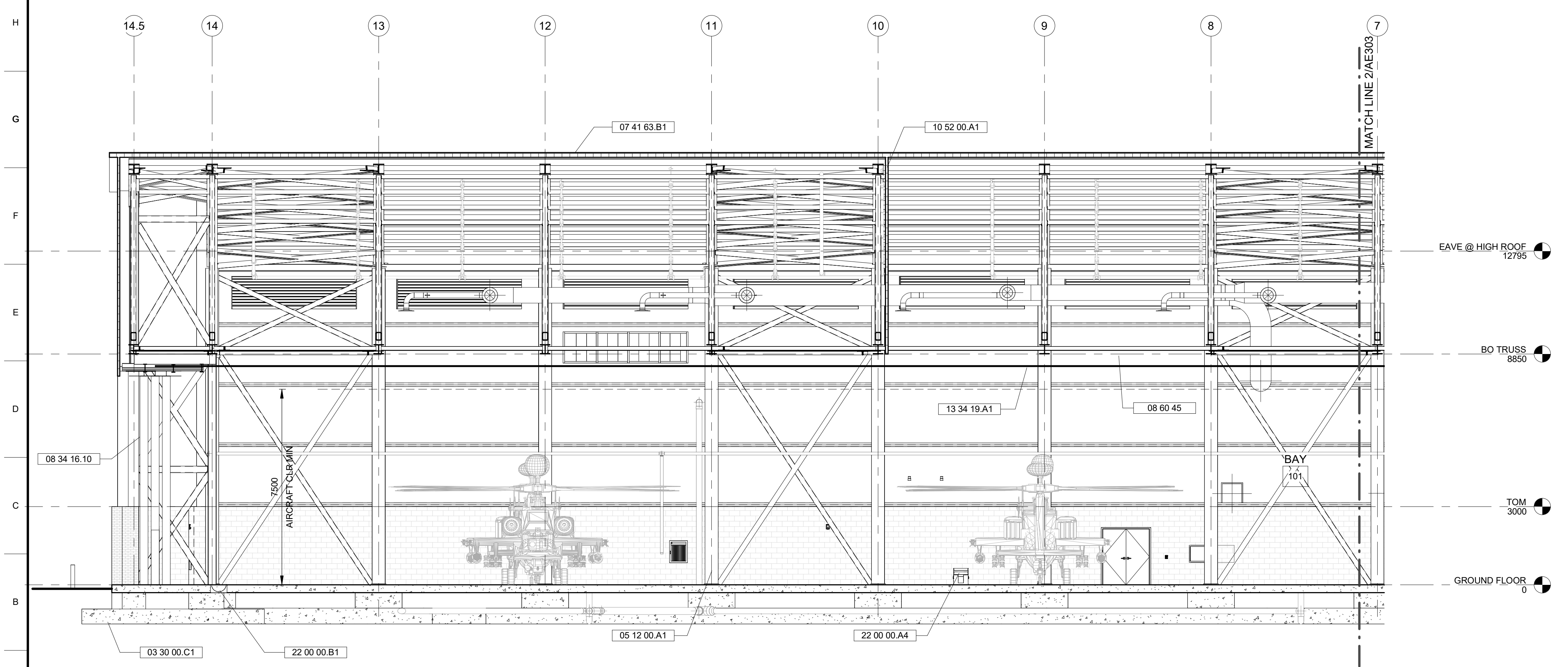


UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS





1 SECTION 2B
1:100



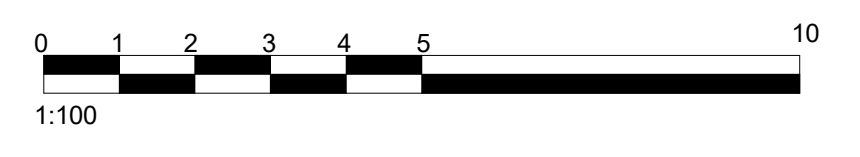
2 SECTION 2A
1:100

GENERAL SHEET NOTES

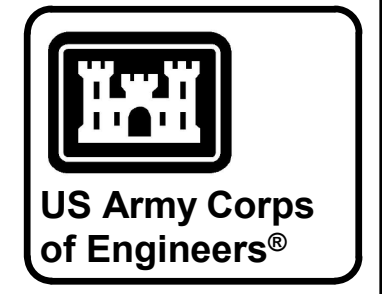
SHEET KEYNOTES

03 30 00.C1	CONCRETE FOOTING; SEE STRUCTURAL
05 12 00.A1	STEEL COLUMN, TYP; SEE STRUCTURAL
05 50 13.E1	BOLLARDS/PIPE GUARD, TYP
07 41 63.B1	FABRICATED ROOF PANEL
08 34 16.10	HORIZONTAL ROLLING STEEL DOOR
08 60 45	TRANSLUCENT PANEL, TYP; SEE AE511
10 52 00.A1	SMOKE DRAFT CURTAIN, SEE GI & FA SERIES
13 34 19.A1	BIRD NESTING/ROOSTING MITIGATION SYSTEM
22 00 00.A4	PORTABLE GRAVITY-FED EMERGENCY EYEWASH
22 00 00.B1	FLOOR DRAIN; SEE PUMBLING

GRAPHIC SCALE



UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.



MARK	DESCRIPTION	DATE

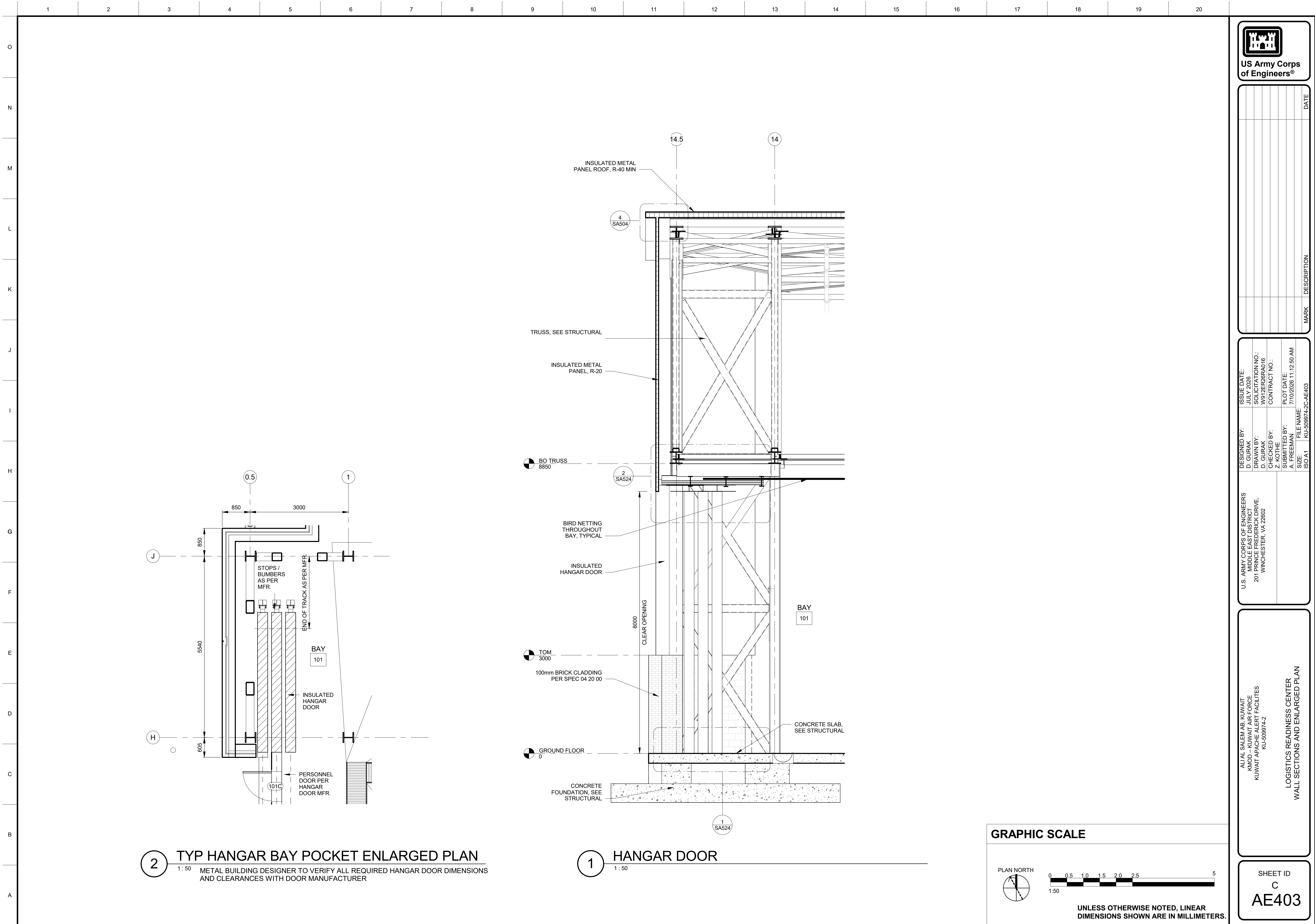
DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER26RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:12:49 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-AE303

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

ALI AL SALEM AB, KUWAIT
KMOO - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
BUILDING SECTIONS

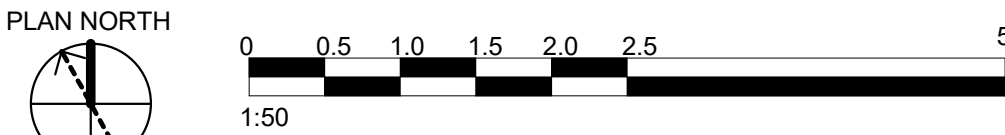
SHEET ID
C
AE303



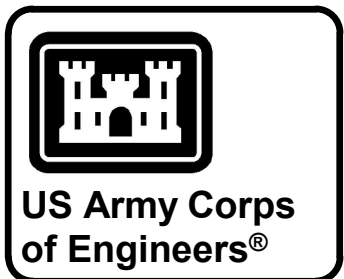
2 TYP HANGAR BAY POCKET ENLARGED PLAN
1:50 METAL BUILDING DESIGNER TO VERIFY ALL REQUIRED HANGAR DOOR DIMENSIONS AND CLEARANCES WITH DOOR MANUFACTURER

1 HANGAR DOOR
1:50

GRAPHIC SCALE



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



MARK	DESCRIPTION	DATE

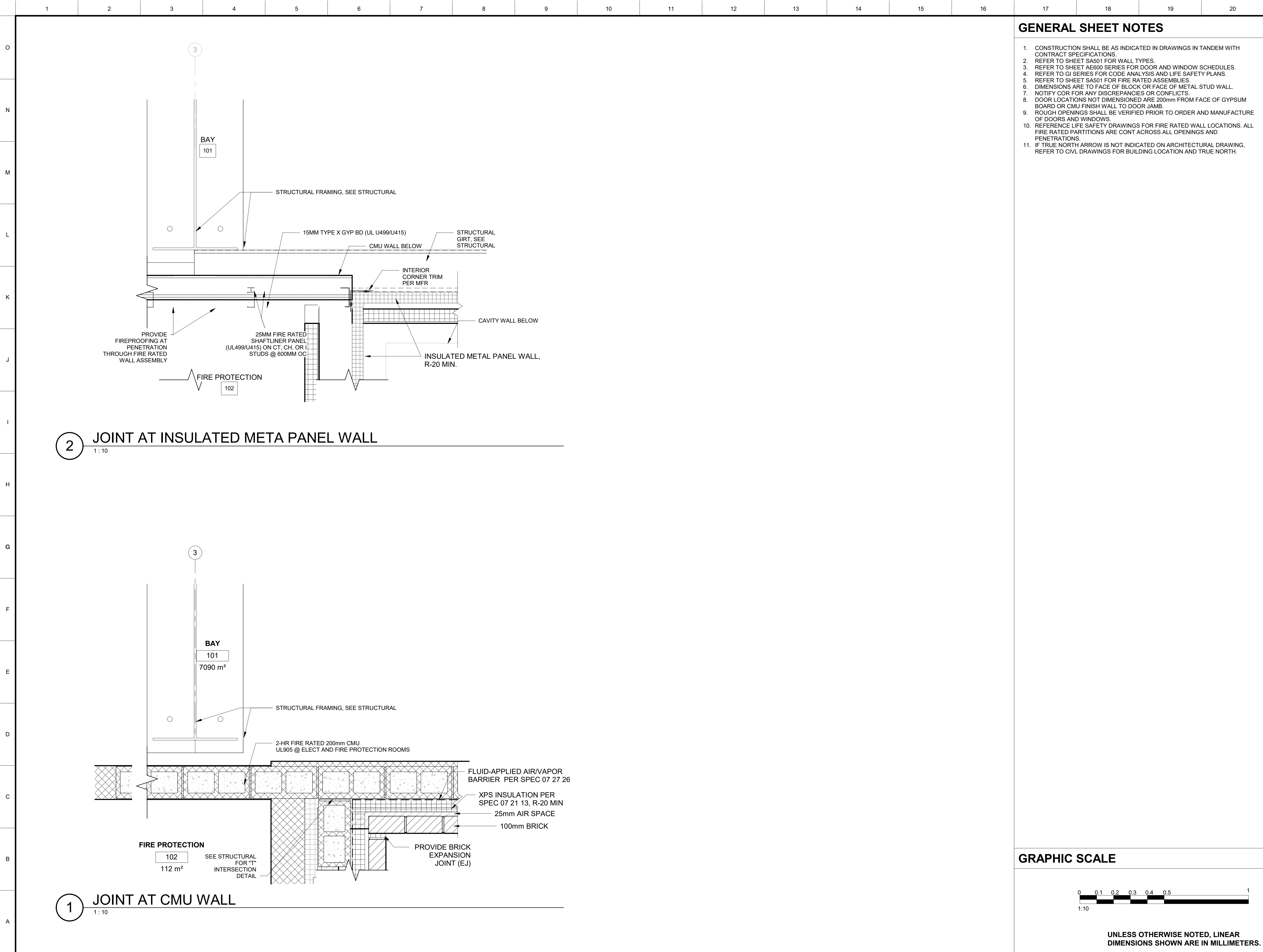
DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER6RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:12:50 AM
FILE NAME: ISO 11	FILE NAME: KU-509974-2C-AE403

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

ALI AL SALEM AB, KUWAIT
KMOO - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

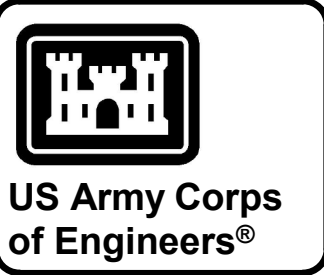
LOGISTICS READINESS CENTER
WALL SECTIONS AND ENLARGED PLAN

SHEET ID
C
AE403



GENERAL SHEET NOTES

1. CONSTRUCTION SHALL BE AS INDICATED IN DRAWINGS IN TANDEM WITH CONTRACT SPECIFICATIONS.
2. REFER TO SHEET SA501 FOR WALL TYPES.
3. REFER TO SHEET AE600 SERIES FOR DOOR AND WINDOW SCHEDULES.
4. REFER TO GI SERIES FOR CODE ANALYSIS AND LIFE SAFETY PLANS.
5. REFER TO SHEET SA501 FOR FIRE RATED ASSEMBLIES.
6. DIMENSIONS ARE TO FACE OF BLOCK OR FACE OF METAL STUD WALL.
7. NOTIFY COR FOR ANY DISCREPANCIES OR CONFLICTS.
8. DOOR LOCATIONS NOT DIMENSIONED ARE 200mm FROM FACE OF GYPSUM BOARD OR CMU FINISH WALL TO DOOR JAMB.
9. ROUGH OPENINGS SHALL BE VERIFIED PRIOR TO ORDER AND MANUFACTURE OF DOORS AND WINDOWS.
10. REFERENCE LIFE SAFETY DRAWINGS FOR FIRE RATED WALL LOCATIONS. ALL FIRE RATED PARTITIONS ARE CONT ACROSS ALL OPENINGS AND PENETRATIONS.
11. IF TRUE NORTH ARROW IS NOT INDICATED ON ARCHITECTURAL DRAWING, REFER TO CIVL DRAWINGS FOR BUILDING LOCATION AND TRUE NORTH.



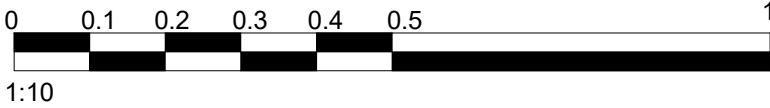
MARK	DESCRIPTION	DATE

DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER6RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:12:50 AM
SCALE: ISO 1:1	FILE NAME: KU-509974-2C-AE501

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	LOGISTICS READINESS CENTER PLAN DETAILS
---	--

SHEET ID C AE501

GRAPHIC SCALE



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.

DOOR SCHEDULE

DOOR NO.	TYPE	DOOR				ASSEMBLY FIRE RATING	FRAME		DETAILS			STC RATING	HARDWARE	COMMENTS:
		WIDTH	HEIGHT	FINISH	UNDERCUT		TYPE	MATERIAL	HEAD	JAMB	SILL			
101A	H	23790	8000	STL	-	-	-	STL	2/SA524	PER MFR	1/SA524		PER MFR	
101B	H	23790	8000	STL	-	-	-	STL	2/SA524	PER MFR	1/SA524		PER MFR	
101C	F	900	2150	STL	-	-	F1	STL	-	-	-		HW-E-1	NON-ADA COMPLIANT, COORDINATE FRAMED OPENING WITH HANGAR DOOR MFR
101D	F	900	2150	STL	-	-	F1	STL	9/SA509	8/SA509	7/SA509		HW-E-3	LEVEL 4, SEE SPECS
101E	F	900	2150	STL	-	-	F1	STL	9/SA509	8/SA509	7/SA509		HW-E-3	LEVEL 4, SEE SPECS
101F	DF	1800	2150	STL	-	-	F2	STL	9/SA509	8/SA509	7/SA509		HW-E-1	LEVEL 4, SEE SPECS
101G	F	900	2150	STL	-	-	F1	STL	9/SA509	8/SA509	7/SA509		HW-E-3	LEVEL 4, SEE SPECS
101H	F	900	2150	STL	-	-	F1	STL	9/SA509	8/SA509	7/SA509		HW-E-1	LEVEL 4, SEE SPECS
101J	F	900	2150	STL	-	-	F1	STL	-	-	-		HW-E-1	NON-ADA COMPLIANT, COORDINATE FRAMED OPENING WITH HANGAR DOOR MFR
101K	F	900	2150	STL	-	-	F1	STL	-	-	-		HW-E-1	NON-ADA COMPLIANT, COORDINATE FRAMED OPENING WITH HANGAR DOOR MFR
101L	F	900	2150	STL	-	-	F1	STL	9/SA509	8/SA509	7/SA509		HW-E-3	LEVEL 4, SEE SPECS
101M	F	900	2150	STL	-	-	F1	STL	9/SA509	8/SA509	7/SA509		HW-E-3	LEVEL 4, SEE SPECS
101P	F	900	2150	STL	-	-	F1	STL	9/SA509	8/SA509	7/SA509		HW-E-3	LEVEL 4, SEE SPECS
101Q	F	900	2150	STL	-	-	F1	STL	9/SA509	8/SA509	7/SA509		HW-E-3	LEVEL 4, SEE SPECS
101R	F	900	2150	STL	-	-	F1	STL	-	-	-		HW-E-1	NON-ADA COMPLIANT, COORDINATE FRAMED OPENING WITH HANGAR DOOR MFR
101S	F	900	2150	STL	-	-	F1	STL	9/SA509	8/SA509	7/SA509		HW-E-3	
101V	DF	1800	2150	STL	-	-	F2	STL	9/SA509	8/SA509	7/SA509		HW-E-1	LEVEL 4, SEE SPECS
102A	DF	1800	2150	STL	-	-	F2	STL	9/SA509	8/SA509	7/SA509		HW-E-2	
102B	Q	3000	3000	STL	-	-	RF	STL	3/SA512	4/SA512	-		PER MFR	
103	DF	1800	2150	STL	-	-	F2	STL	9/SA509	8/SA509	7/SA509		HW-E-2	

GENERAL SHEET NOTES

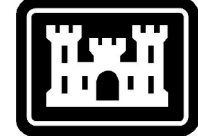
1. SEE 08 71 00 FOR DOOR HARDWARE. SEE AE600 SERIES FOR HARDWARE SETS.
2. SEE SA508 FOR WINDOW AND DOOR TYPES.
3. SEE SA509 FOR DOOR OPENING DETAILS.
4. SEE SA510 FOR WINDOW DETAILS.
5. SEE SA511 FOR TRANSLUCENT PANEL DETAILS.
6. SEE SA512 FOR OVERHEAD DOOR DETAILS.

LEGEND - DOOR MATERIAL TYPES

HM - HOLLOW METAL

STL - STEEL

GL - GLASS

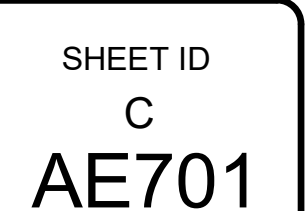


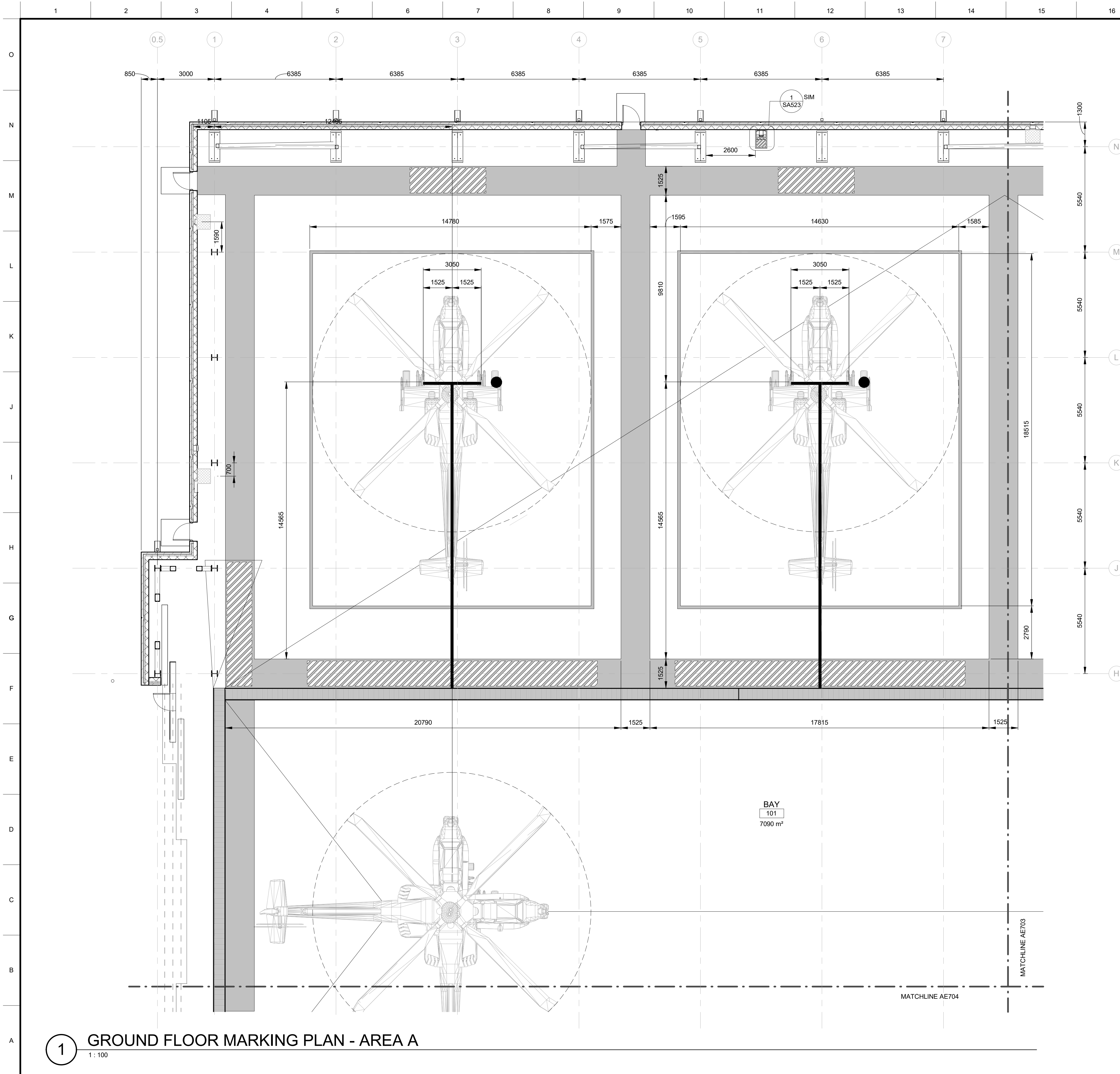
US Army Corps
of Engineers®

CDC



UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.





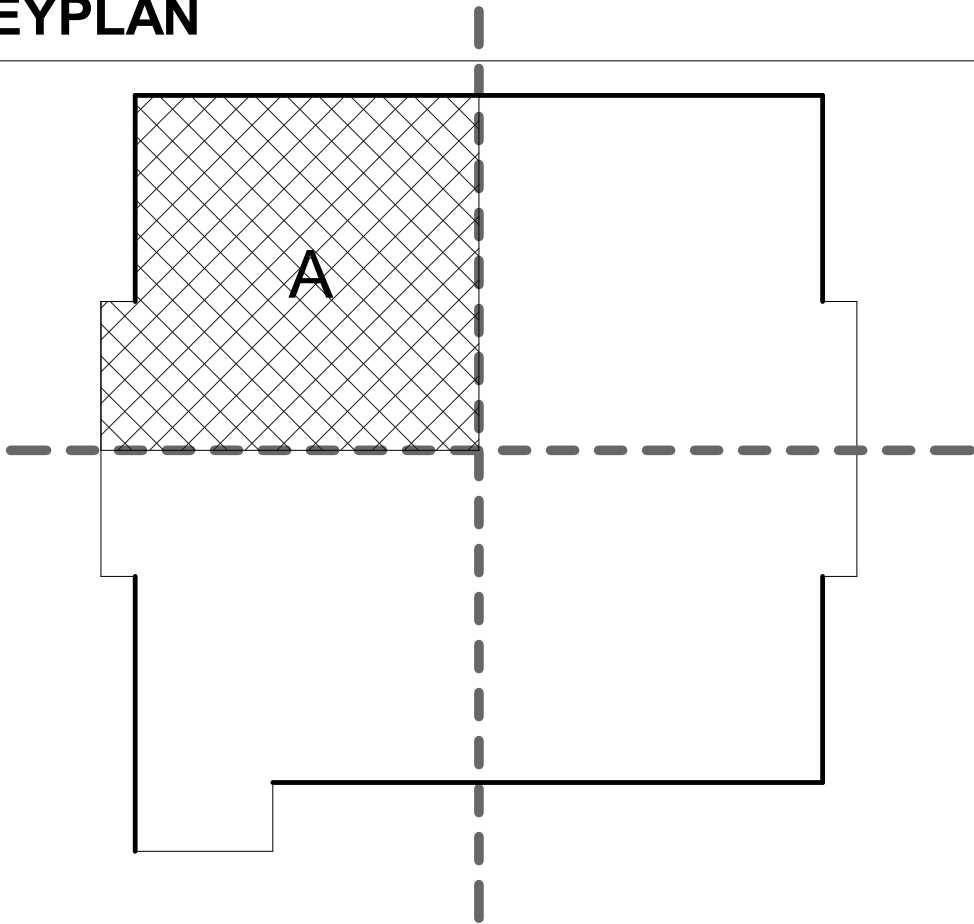
GENERAL SHEET NOTES

1. ALL STRIPING SHOWN ON PLAN IS FOR REFERENCE ONLY. FINAL STRIPING MUST BE COORDINATED AND CONFIRMED WITH GOVERNMENT CONTRACTING OFFICER PRIOR TO START OF STRIPING WORK
2. SAFETY CORRIDOR FLOOR STRIPING MUST BE YELLOW (FED-STD-595 COLOR 33538) LINE AND SAFETY CORRIDOR CAUTION AREA MUST BE YELLOW (FED-STD-595 COLOR 33538) DIAGONAL LINES (1.5m WIDE, 152mm BOUNDARIES & 152mm DIAGONAL LINES) W/ AGGREGATE PAINTED ON CONCRETE FLOOR (INTERIOR) FOR BOTH.
3. FIRE EXTINGUISHERS: 152mm WIDE STRIPE TO PROVIDE 610mm CLEARANCE FROM EXTINGUISHERS: COLOR RED.

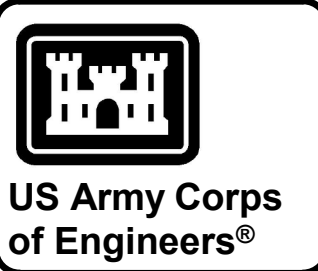
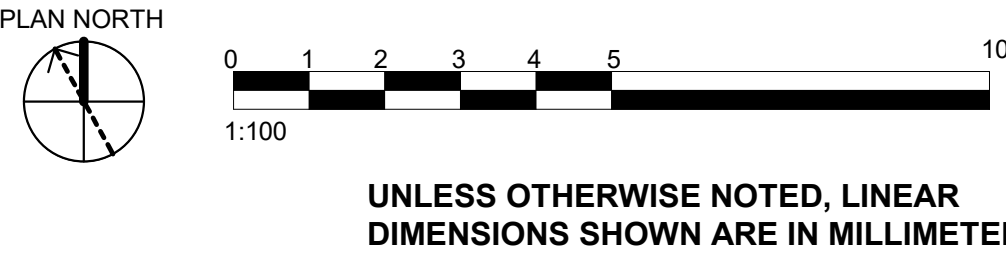
FLOOR MARKINGS LEGEND

- SAFETY CORRIDOR (1.5m STRIPE, COLOR - YELLOW)
- SAFETY CORRIDOR CAUTION AREA (1.5m WIDE, 152mm BOUNDARIES & 152mm DIAGONAL LINES, COLOR - YELLOW)
- GROUNDING RECEPTACLE (457mm Ø CIRCLE , COLOR - YELLOW / 51mm SURROUNDING BAND COLOR - RED)
- FIRE EXTINGUISHER (610mm CLEARANCE FROM EXTINGUISHER, COLOR - RED)
- POSITION CENTERLINE & NOSE GEAR STOP (152mm LINE, COLOR - MATCH EXTERIOR MARKINGS)
- AIRCRAFT CLEARANCE (152mm LINE, COLOR - YELLOW)

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

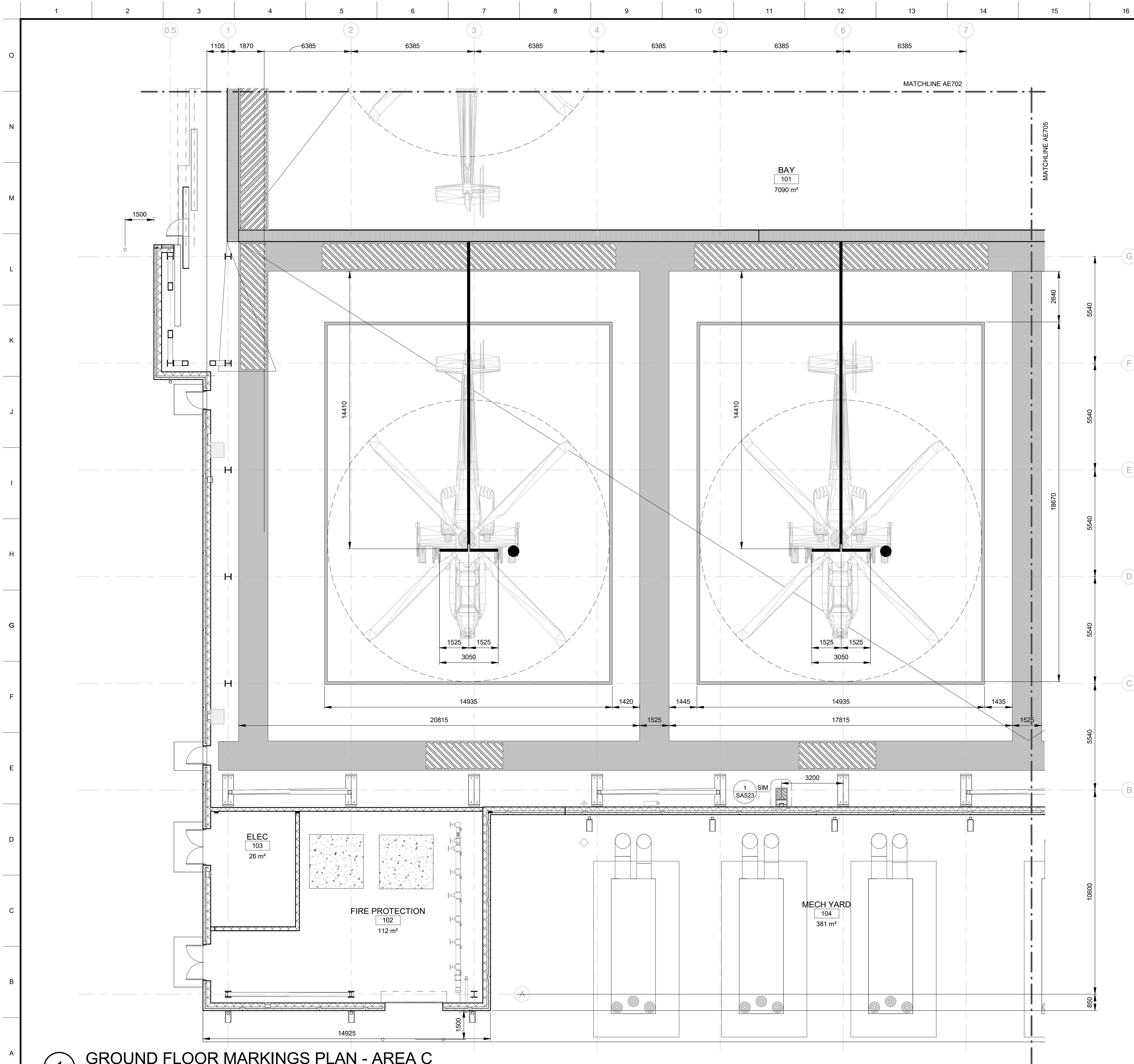


MARK	DESCRIPTION	DATE

DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER26RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:12:58 AM
FILE NAME: ISO 11	FILE NAME: KU-509974-2C-AE702

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	ALI AL SALEM AB, KUWAIT KMOO - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER GROUND FLOOR MARKING PLAN - AREA A	

SHEET ID C AE702



1 GROUND FLOOR MARKINGS PLAN - AREA C
1 : 100

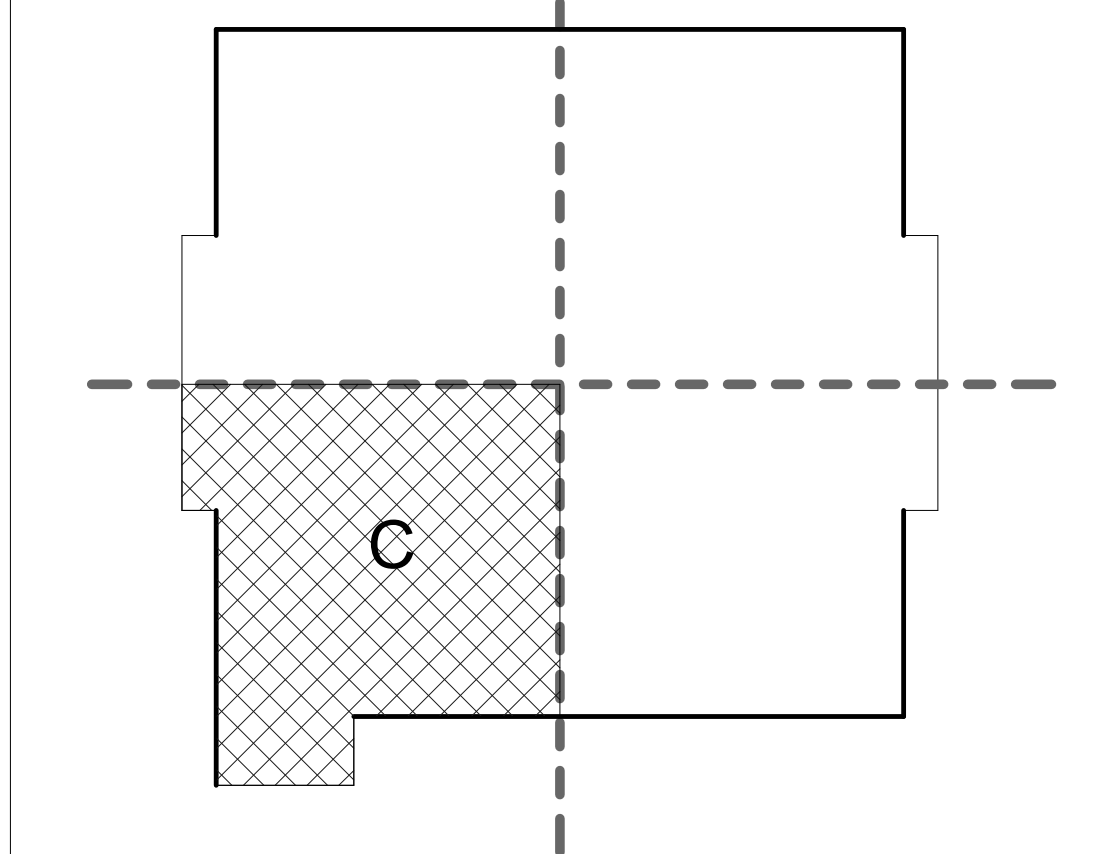
GENERAL SHEET NOTES

- ALL STRIPING SHOWN ON PLAN IS FOR REFERENCE ONLY. FINAL STRIPING MUST BE COORDINATED AND CONFIRMED WITH GOVERNMENT CONTRACTING OFFICER PRIOR TO START OF STRIPING WORK
- SAFETY CORRIDOR FLOOR STRIPING MUST BE YELLOW (FED-STD-595 COLOR 33538) LINE AND SAFETY CORRIDOR CAUTION AREA MUST BE YELLOW (FED-STD-595 COLOR 33538) DIAGONAL LINES (1.5m WIDE, 152mm BOUNDARIES & 152mm DIAGONAL LINES) W/ AGGREGATE PAINTED ON CONCRETE FLOOR (INTERIOR) FOR BOTH.
- FIRE EXTINGUISHERS: 152mm WIDE STRIPE TO PROVIDE 610mm CLEARANCE FROM EXTINGUISHERS. COLOR RED.

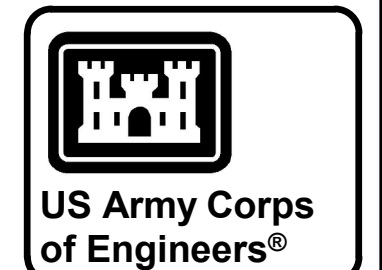
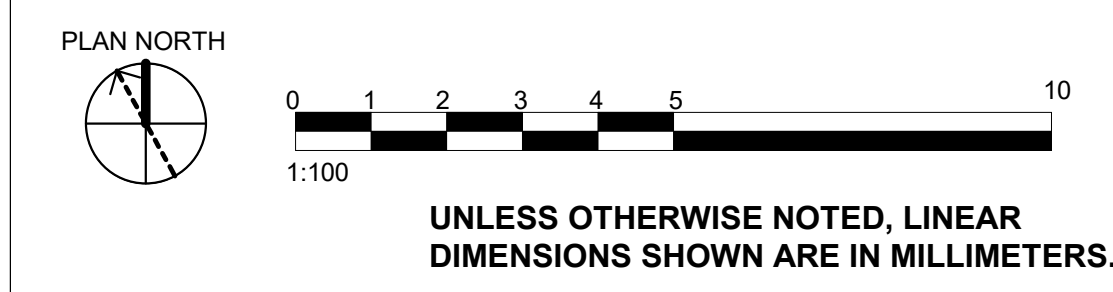
FLOOR MARKINGS LEGEND

- SAFETY CORRIDOR (1.5m STRIPE, COLOR - YELLOW)
- SAFETY CORRIDOR CAUTION AREA (1.5m WIDE, 152mm BOUNDARIES & 152mm DIAGONAL LINES, COLOR - YELLOW)
- GROUNDING RECEPTACLE (457mm Ø CIRCLE , COLOR - YELLOW / 51mm SURROUNDING BAND COLOR - RED)
- FIRE EXTINGUISHER (610mm CLEARANCE FROM EXTINGUISHER, COLOR - RED)
- POSITION CENTERLINE & NOSE GEAR STOP (152mm LINE, COLOR - MATCH EXTERIOR MARKINGS)
- AIRCRAFT CLEARANCE (152mm LINE, COLOR - YELLOW)

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

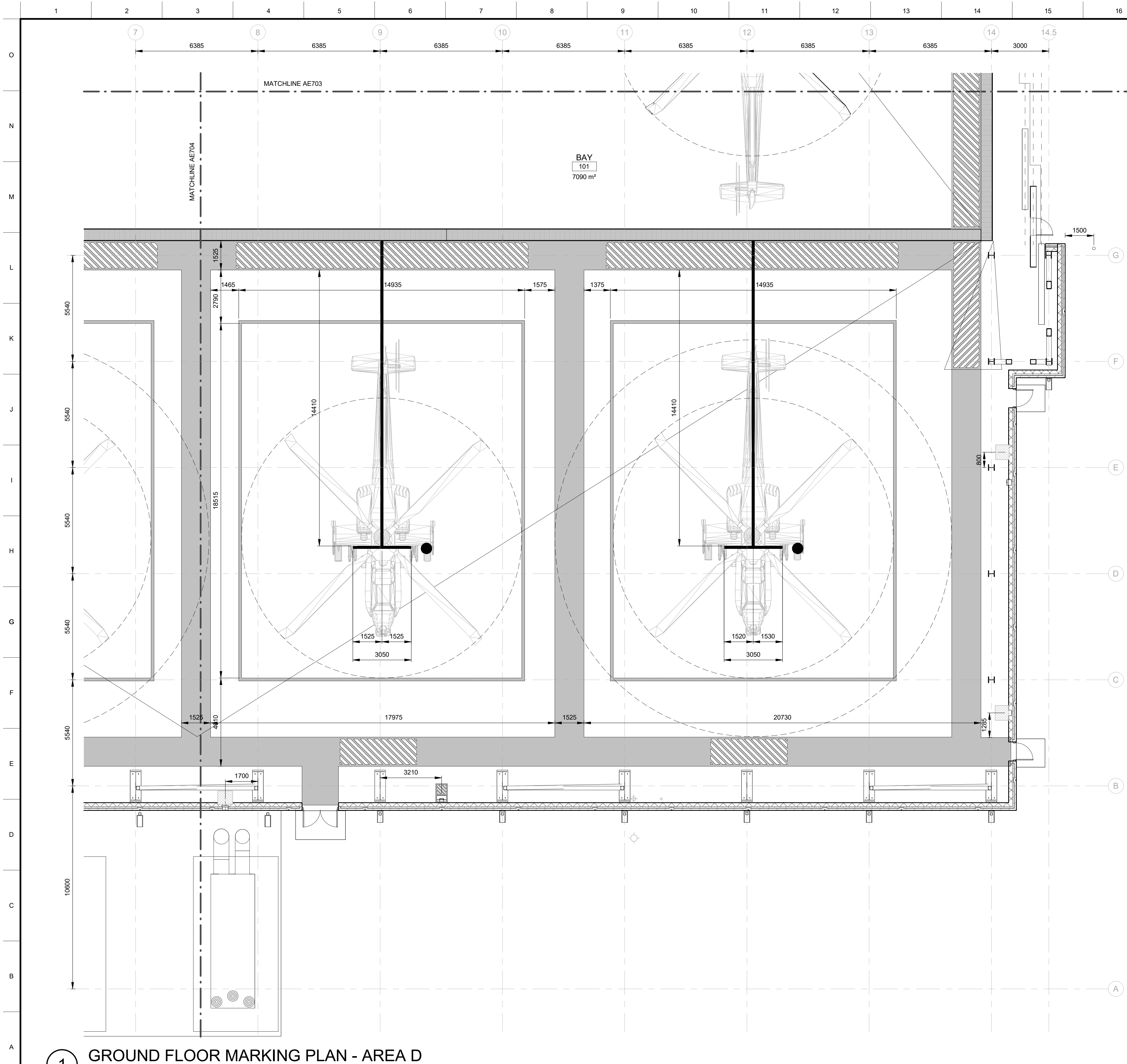


MARK	DESCRIPTION	DATE

DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER26RAD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:13:06 AM
FILE NAME: ISO 11	FILE NAME: KU-509974-2C-AE704

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	ALI AL SALEM AB, KUWAIT KMOD - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2
LOGISTICS READINESS CENTER GROUND FLOOR MARKING PLAN - AREA C	

SHEET ID C AE704



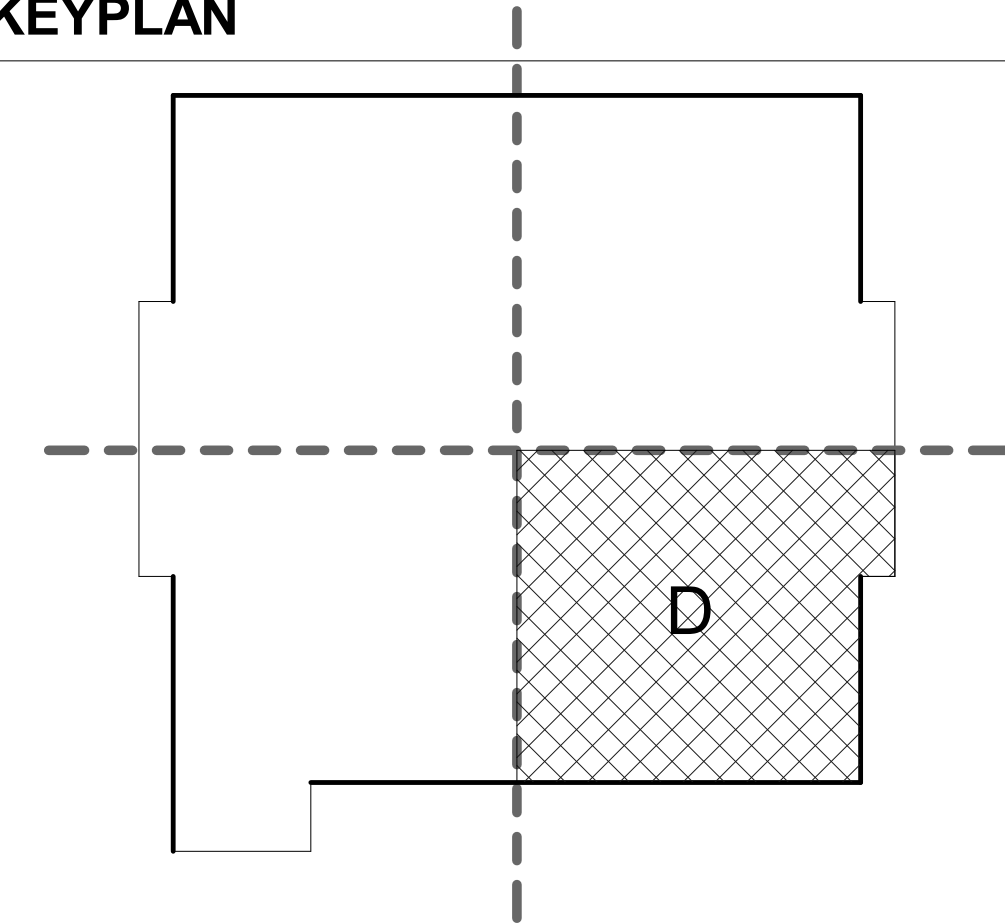
GENERAL SHEET NOTES

1. ALL STRIPING SHOWN ON PLAN IS FOR REFERENCE ONLY. FINAL STRIPING MUST BE COORDINATED AND CONFIRMED WITH GOVERNMENT CONTRACTING OFFICER PRIOR TO START OF STRIPING WORK
2. SAFETY CORRIDOR FLOOR STRIPING MUST BE YELLOW (FED-STD-595 COLOR 33538) LINE AND SAFETY CORRIDOR CAUTION AREA MUST BE YELLOW (FED-STD-595 COLOR 33538) DIAGONAL LINES (1.5m WIDE, 152mm BOUNDARIES & 152mm DIAGONAL LINES) W/ AGGREGATE PAINTED ON CONCRETE FLOOR (INTERIOR) FOR BOTH.
3. FIRE EXTINGUISHERS: 152mm WIDE STRIPE TO PROVIDE 610mm CLEARANCE FROM EXTINGUISHERS: COLOR RED.

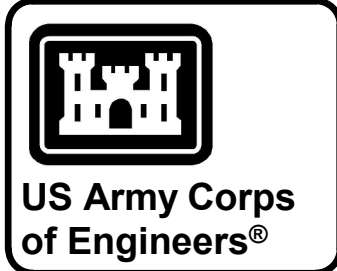
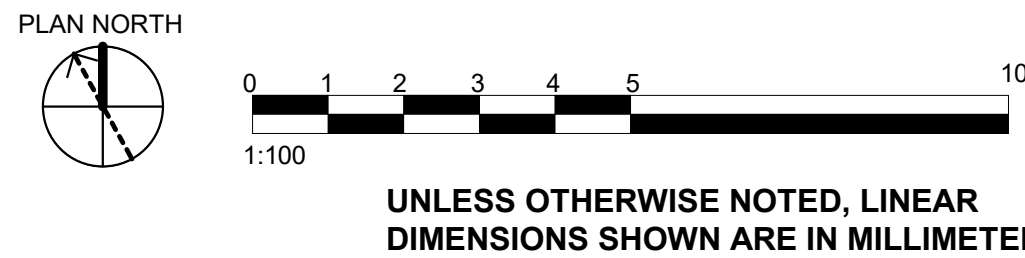
FLOOR MARKINGS LEGEND

- SAFETY CORRIDOR (1.5m STRIPE, COLOR - YELLOW)
- SAFETY CORRIDOR CAUTION AREA (1.5m WIDE, 152mm BOUNDARIES & 152mm DIAGONAL LINES, COLOR - YELLOW)
- GROUNDING RECEPTACLE (457mm $\varnothing$ CIRCLE, COLOR - YELLOW / 51mm SURROUNDING BAND COLOR - RED)
- FIRE EXTINGUISHER (610mm CLEARANCE FROM EXTINGUISHER, COLOR - RED)
- POSITION CENTERLINE & NOSE GEAR STOP (152mm LINE, COLOR - MATCH EXTERIOR MARKINGS)
- AIRCRAFT CLEARANCE (152mm LINE, COLOR - YELLOW)

KEYPLAN



GRAPHIC SCALE & NORTH ARROW

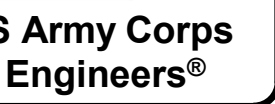


MARK	DESCRIPTION	DATE

DESIGNED BY: D. GURAK	ISSUE DATE: JULY 2026
DRAWN BY: D. GURAK	SOLICITATION NO.: W912ER26AD16
CHECKED BY: Z. KOTHE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 11:13:12 AM
FILE NAME: ISO 11	FILE NAME: KU-509974-2C-AE705

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	LOGISTICS READINESS CENTER GROUND FLOOR MARKING PLAN - AREA D
---	--

SHEET ID C AE705

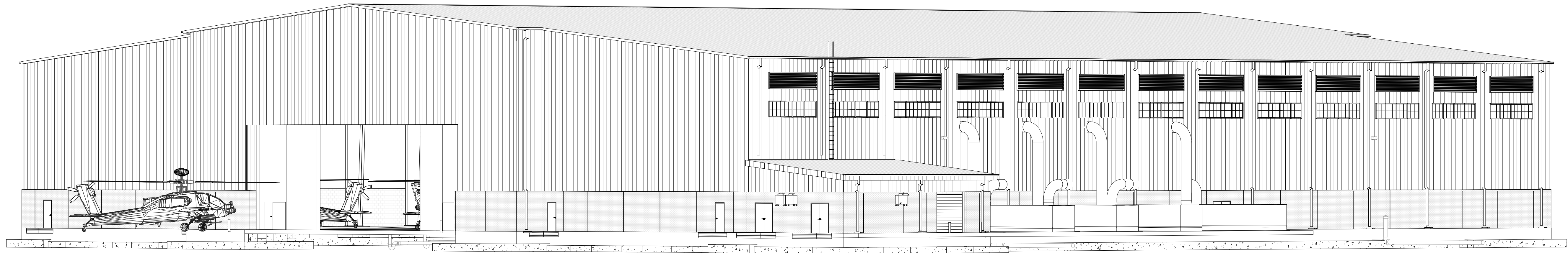
[illegible]

201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602		DRAWN BY: D. GURAK	SOLICITATION NO: W912ER26R4016
		CHECKED BY: Z. KOEHE	CONTRACT NO:
		SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2028 11:13:14 AM
		SIZE:	FILE NAME:
		ISO A1	KU-509974-2C-AE901

LOGISTICS READINESS CENTER
EXTERIOR PERSPECTIVE

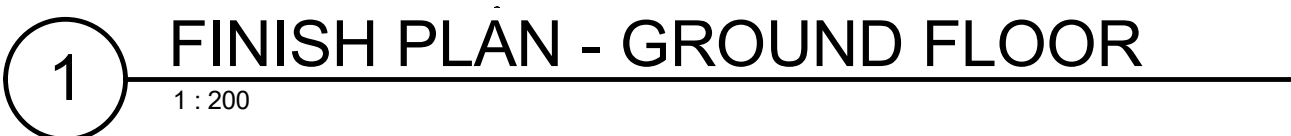
KUWAIT APACHE ALERT FACILITIES
KU-508974-2

SHEET ID
C
AE901



1 EXTERIOR PERSPECTIVE

UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.



MATERIAL FINISH LEGEND									
ABBREVIATION	DESCRIPTION	MANUFACTURER	STYLE		COLOR	FINISH	RAL / RGB		FINISH NOTES
HPF-1	HIGH PERFORMANCE FLOORING	SHERWIN WILLIAMS OR EQUAL	3-COAT RESINOUS HEAVY DUTY FLOORING RESUFLOOR PERFORMANCE HTS		CONCRETE GRAY	THICKNESS S 3.175mm TO 6.35mm	RAL7044 / RGB 182, 179, 168		
P-3	WALL PAINT	SHERWIN WILLIAMS OR EQUAL	SW7005 / 255-C1		PURE WHITE		RAL9003 / RGB 236, 236, 231		
P-6	CEILING PAINT	SHERWIN WILLIAMS OR EQUAL	SW7005 / 255-C1		PURE WHITE		RAL9003 / RGB 236, 236, 231		
P-7	STEEL / HOLLOW METAL PAINT / EXPOSED STRUCTURE	SHERWIN WILLIAMS OR EQUAL	SW7040 / 249 C6		SMOKEHOUSE		RAL7006 / RGB 117, 106, 94		SEE GENERAL NOTES
FINISH SCHEDULE									
ROOM NO	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING	NOTES & REMARKS (SEE NOTES)			
101	BAY	CONCRETE / HPF-1	HPF-1	CMU / P-3	STRUCTURE / P-7	BASE SHALL BE A SEAMLESS TRANSITION FROM FLOOR TO THE WALL CREATED USING HPF-1			
102	FIRE SUPPRESSION	CONCRETE / HPF-1	HPF-1	CMU / P-3	STRUCTURE / P-7	BASE SHALL BE A SEAMLESS TRANSITION FROM FLOOR TO THE WALL CREATED USING HPF-1			
103	ELEC	CONCRETE / HPF-1	HPF-1	CMU / P-3	PLASTER / P-6	BASE SHALL BE A SEAMLESS TRANSITION FROM FLOOR TO THE WALL CREATED USING HPF-1			

1. SEE TECHNICAL SPECIFICATIONS & INTERIOR FINISH SCHEDULES FOR INTERIOR FINISH INFORMATION.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
3. ACCEPTABLE ALTERNATE MANUFACTURERS. COLORS MUST CLOSELY MATCH BASIS OF DESIGN AND BE SUBMITTED FOR APPROVAL.
4. ALL EXTERIOR FINISHES ARE SPECIFIED ELSEWHERE. VERIFY WITH ARCHITECT ALL EXTERIOR FINISHES BEFORE PROCEEDING.

PAINTS & COATINGS

5. ALL EXPOSED CONCRETE FLOORS SHALL BE PROPERLY PREPARED AND SEALED
6. INTERIOR OF METAL DOORS, DOOR FRAMES AND WINDOW FRAMES SCHEDULED TO RECEIVE PAINT SHALL BE PAINTED P-7. EXTERIOR OF METAL DOORS, DOOR FRAMES AND WINDOW FRAMES SCHEDULED TO RECEIVE PAINT SHALL BE PAINTED IN ACCORDANCE WITH THE EXTERIOR COLORS. SEE ARCHITECTURAL DRAWINGS.
7. ALL METAL GRILLES, DIFFUSERS, PANEL BOXES, REGISTERS, ETC. SCHEDULED TO RECEIVE PAINT SHALL BE PAINTED TO MATCH THE ADJACENT WALL FINISH.
8. EXPOSED HVAC SHALL BE PAINTED P-7.
9. EXPOSED STRUCTURE SCHEDULED TO BE PAINTED SHALL BE PAINTED P-7.

CONCRETE / HPF-1 (3-COAT RESINOUS FLOORING FINISH)



SHEET ID
C
IN101



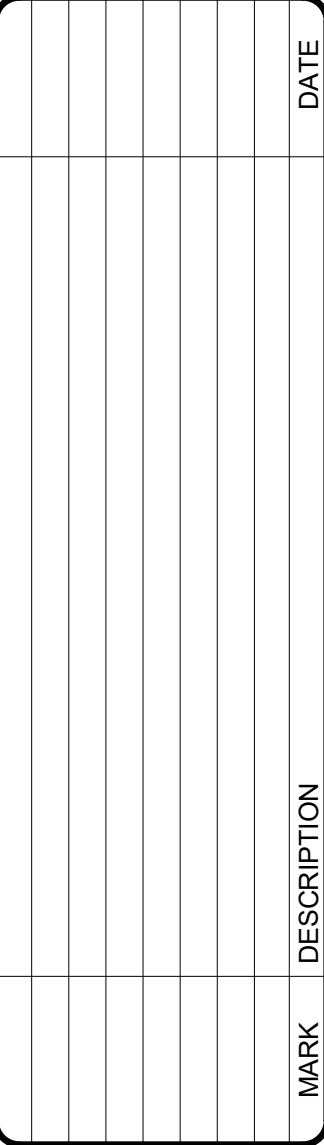
TAG	DESCRIPTION	QUANTITY
BE-1	BUILDING ENTRANCE SIGN	10
MP-1 EX	AUTHORIZED PERSONAL ONLY SIGN -EXTERNAL	7
OP-2	DANGER ELECTRICAL HAZARD APO	1
RI-1 EX	ROOM IDENTIFICATION SIGN- EXTERNAL	3

- INTERIOR SIGNS ARE MOUNTED 150mm - 220mm FROM LATCH SIDE OF DOOR FRAME OR OPENING AND MOUNTED PERPENDICULAR TO THE LATCH SIDE OR DOOR OPENING WHERE WALL SPACE DOES NOT ALLOW. CENTERLINE OF SIGNS TO BE MOUNTED AT 1500mm ABOVE FINISHED FLOOR. REFER TO SHEET SA-522 FOR ADDITIONAL INFORMATION.
2. SIGNS ARE DUAL LANGUAGE WITH PRIMARY TEXT IN ARABIC AND SECONDARY TEXT IN ENGLISH. PRIMARY TEXT SIZES, IN ARABIC, ARE AS NOTED IN SIGNAGE DETAILS. SECONDARY TEXT SIZES, IN ENGLISH, ARE 15mm AND 25mm FOR EGRESS SIGNAGE. SIGN SIZES SHOWN MAY INCREASE TO ACCOMMODATE REQUIRED AND APPROVED FINAL MESSAGES. TEXT LOCATIONS SHOULD BEST FIT SIGN TYPES.
3. SIGNS MOUNTED ON GLASS HAVE MATCHING BACKER PLATE, AS NECESSARY.
4. SIGNS MOUNTED ON THE EXTERIOR MUST BE CONSTRUCTED OF DURABLE FACTORY-FINISHED BAKED ENAMEL WITH REFLECTIVE SHEETING. FASTENERS SHALL BE CONCEALED AND RUST PROOF.
5. PROVIDE REQUIRED MOUNTINGS / HANGING MECHANISMS FOR SPECIFIED SIGNS PER MANUFACTURERS RECOMMENDATIONS FOR LOAD.
6. SURFACE APPLIED VINYL LETTERS OR GRAPHICS THAT CAN BE RUBBED OFF OR DAMAGED AND EXPOSED PAPER INSERTS ARE PROHIBITED.
7. CONTRACTOR TO PROVIDE SOFTWARE, ADDITIONAL MESSAGE SLOTS FOR FUTURE INSERTS & ATTIC STOCK FOR SIGNS AND BLANK PAPER; COORDINATE WITH CONTRACTING OFFICER.
8. UNLESS NOTED OTHERWISE, TEXT ON SIGNS ARE UPPER CASE.
9. FINAL ROOM NUMBERS AND NAMES ARE COORDINATED WITH CONTRACTING OFFICER.
10. EXTERIOR SIGNS ARE MOUNTED 305mm FROM LATCH SIDE OF DOOR FRAME OR OPENING AND MOUNTED PERPENDICULAR TO THE LATCH SIDE OR DOOR OPENING WHERE WALL SPACE DOES NOT ALLOW. CENTERLINE OF SIGNS TO BE MOUNTED AT 1500mm ABOVE FINISHED FLOOR. REFER TO SHEET SA-522 FOR ADDITIONAL INFORMATION
11. EXTERIOR SIGNS CONFORM TO MANUFACTURER RECOMMENDATIONS FOR APPLICATION AND ARE APPROVED BY CONTRACTING OFFICER.
12. EXTERIOR BUILDING NUMBER IDENTIFICATION SIGNS - (NOT LOCATED ON PLAN), FOR EMERGENCY VEHICLES, ARE LOCATED ON SITE FOR VISIBILITY BY SECURITY AND FIRE PERSONNEL. COORDINATE LOCATION AND QUANTITIES WITH CONTRACTING OFFICER AND CONTRACTOR. SIGN CONTAINS ARABIC AND ENGLISH CHARACTERS.
13. CONTRACTOR PROVIDES FLAG SIGNS INDICATING FIRE EXTINGUISHER LOCATION, MOUNTED ABOVE EACH EXTINGUISHER.
14. SEE TELECOMM & SECURITY DRAWINGS FOR DEVICE RELATED SIGNAGE.
15. COLORS FOR SIGNAGE TO BE BLACK BACKGROUNDS WITH WHITE CHARACTERS & PICTURES. EXTERIOR SIGNAGE FINISH TO MATCH BASE STANDARD, CONFIRM FINISHES WITH CONTRACTING OFFICER.
16. ENGLISH CHARACTERS ARE HELVETICA NEUE.
17. WHERE ROOF AND/OR TOWER ACCESS IS REQUIRED FOR RADIO FREQUENCY (RF) EQUIPMENT ACCESSIBILITY SIGNAGE IN ARABIC AND ENGLISH SHALL (196) BE PROVIDED AT THE ENTRANCE, LADDER POINT OR DOOR WAY INFORMING OF RF HAZARDS IAW NEMA Z535.2 AND ISO 3864-1. THE RESPONSIBLE PERSON OR OFFICE POINT OF CONTACT (POC) REFERENCE INFORMATIONS SHALL BE INCLUDED ON THE SIGN.
18. "NO SMOKING" SIGNS - COORDINATE LOCATION AND QUANTITIES WITH CONTRACTING OFFICER AND CONTRACTOR.

PLAN NORTH

0 5 10 20
1:200

**UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS**



S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

S. ARMY CORPS OF ENGINEERS
ENGINEERING & SUPPORT CENTER
HUNTSVILLE
300 SECURED GATEWAY SW
REDSTONE ARSENAL, AL 35898

LOGISTICS READINESS CENTER
SIGNAGE PLAN - GROUND FLOOR

SHEET ID
C
IG101



1. CONTRACTOR AWARDED THIS PROJECT IS REQUIRED TO COMPLY WITH KUWAIT REQUIREMENTS AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REQUIREMENTS.
2. ALL FIRE AND LIFE SAFETY DRAWING ARE CONCEPTUAL IN NATURE. CONTRACTOR WORKING DESIGN "SHOP" DRAWINGS MUST COMPLY WITH KUWAIT REQUIREMENTS AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REQUIREMENTS. DURING WORKING DESIGN AND INSTALLATION OF FIRE ALARM DEVICES, ENSURE FIRE ALARM DEVICES ARE NOT IN CONFLICT WITH BUILDING COMPONENTS OR ANY OTHER SERVICE COMPONENTS (E.G., LIGHTS, OTHER ELECTRICAL, PIPES, ETC.)

I. PROVIDE A FIRE ALARM SYSTEM THROUGHOUT IN ACCORDANCE WITH KUWAIT FIRE FORCES (KFF) REGULATIONS AND NATIONAL FIRE PROTECTION ASSOCIATION (NFFA) STANDARDS.

II. PROVIDE EACH AUDIO VISUAL NOTIFICATION DEVICE TO AT LEAST 15DB OVER AMBIENT SOUND LEVEL, BUT NO HIGHER THAN 115 DB AS APPROVED BY KFF.
3. FOR GENERAL NOTES, LEGENDS, SYMBOLS, AND ADDITIONAL OTHER DETAILS SEE STANDARD DRAWINGS SF001, SF002, SF003, SF501, SF502 AND OTHER FACILITY DRAWINGS.
4. PROVIDE EACH OF THE 6 - FOAM (SFFF) SYSTEMS WITH A DETECTION SYSTEM THAT WILL CAUSE ACTIVATION OF THE ENTIRE FOAM SYSTEM THROUGHOUT THE HANGAR BAY. FX105 SHOWS AN EXAMPLE OF FLAME DETECTION CONES OF VIEW.

I. EACH FOAM DETECTION SYSTEM WILL COVER FIRE ZONES A-F AND ZONE G WILL BE COVERED BY SPOT SMOKE DETECTION AND A WET SPRINKLER SYSTEM WITHIN THE ROOM
5. ALL FIRE AND LIFE SAFETY DRAWING ARE CONCEPTUAL IN NATURE. CONTRACTOR DESIGN "SHOP" DRAWINGS MUST COMPLY WITH KUWAIT REGULATIONS AND MUST BE SUBMITTED AND APPROVED BY KFF.

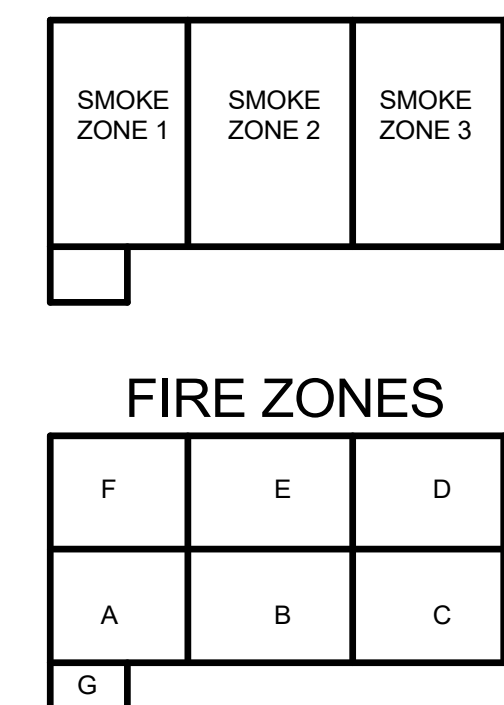


**U.S. Army Corps
Engineers®**

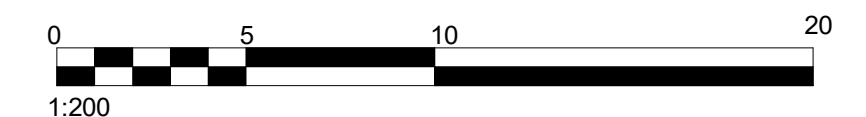
[illegible]

201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	DRAWN BY: M. MOORE CHECKED BY: R. DIPERT SUBMITTED BY: A. FREEMAN PLOT DATE: 7/9/2026 1:46:17 PM FILE NAME: ISO A1 KU-509974-2C-F101
---	---

LEGEND



GRAPHIC SCALE AND NORTH ARROW

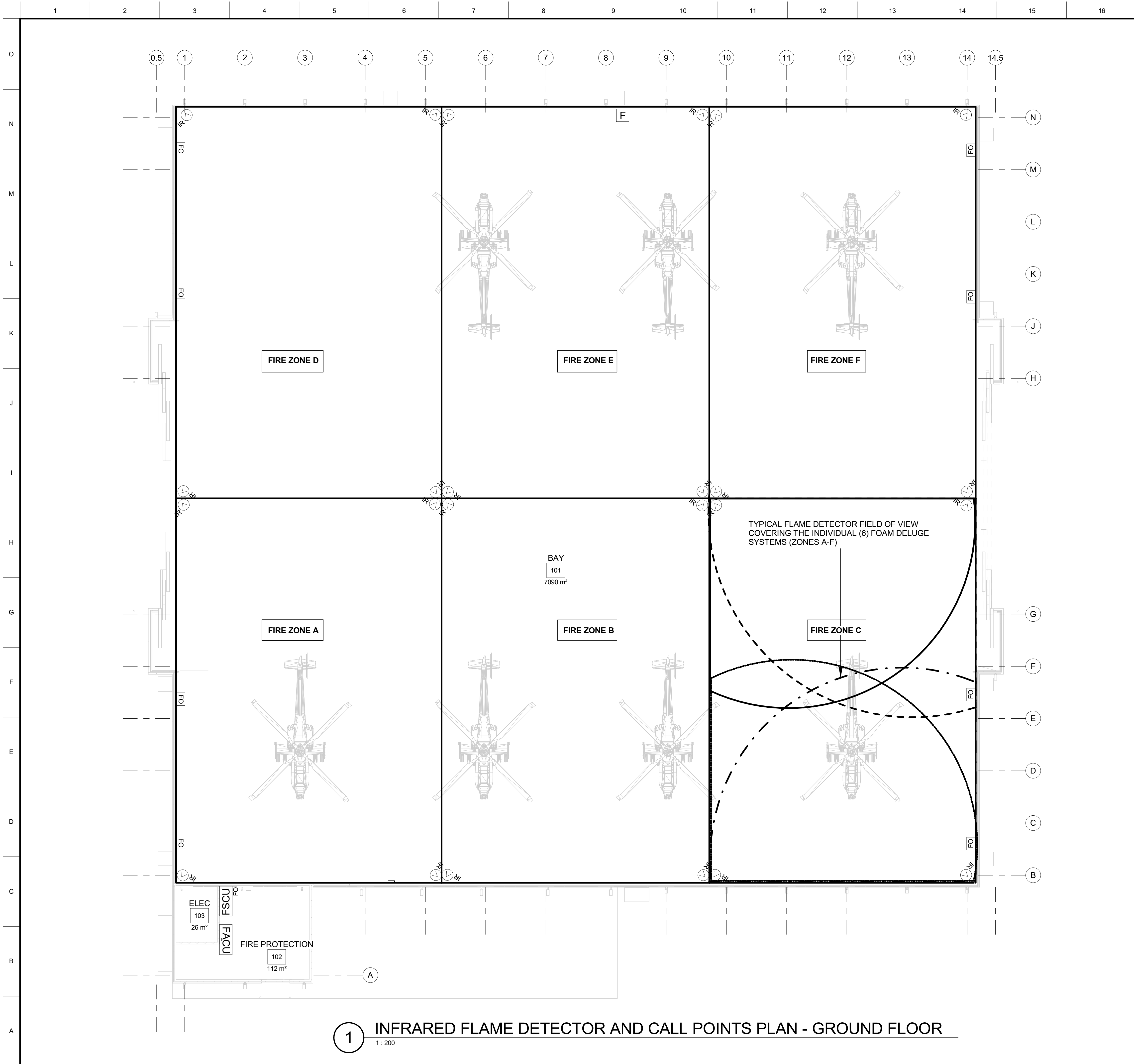


UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.

LOGISTICS READINESS CENTER
FIRE ALARM SYSTEM PLAN - GROUND FLOOR

SHEET ID
C

FA101



1 INFRARED FLAME DETECTOR AND CALL POINTS PLAN - GROUND FLOOR

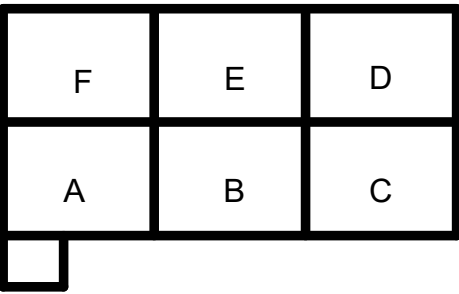
GENERAL NOTES

- 1. CONTRACTOR AWARDED THIS PROJECT IS REQUIRED TO COMPLY WITH KUWAIT REQUIREMENTS AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REQUIREMENTS.
- 2. ALL FIRE AND LIFE SAFETY DRAWINGS ARE CONCEPTUAL IN NATURE. CONTRACTOR WORKING DESIGN "SHOP" DRAWINGS MUST COMPLY WITH KUWAIT REQUIREMENTS AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REQUIREMENTS. DURING WORKING DESIGN AND INSTALLATION OF FIRE ALARM DEVICES, ENSURE FIRE ALARM DEVICES ARE NOT IN CONFLICT WITH BUILDING COMPONENTS OR ANY OTHER SERVICE COMPONENTS (E.G., LIGHTS, OTHER ELECTRICAL, PIPES, ETC.)
- I. PROVIDE A FIRE ALARM SYSTEM THROUGHOUT IN ACCORDANCE WITH KUWAIT FIRE FORCES (KFF) REGULATIONS AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS.
- II. PROVIDE EACH AUDIO VISUAL NOTIFICATION DEVICE TO AT LEAST 15DB OVER AMBIENT SOUND LEVEL, BUT NO HIGHER THAN 115 DB AS APPROVED BY KFF.
- 3. PROVIDE EACH OF THE 6 - FOAM (SFFF) SYSTEMS WITH A DETECTION SYSTEM THAT WILL CAUSE ACTIVATION OF THE ENTIRE FOAM SYSTEM THROUGHOUT THE HANGAR BAY.
- I. EACH FOAM DETECTION SYSTEM WILL COVER FIRE ZONES A-F AND ZONE G WILL BE COVERED BY SPOT SMOKE DETECTION AND A WET SPRINKLER SYSTEM WITHIN THE ROOM.
- 4. FOR GENERAL NOTES, LEGENDS, SYMBOLS, AND ADDITIONAL OTHER DETAILS SEE STANDARD DRAWINGS SF001, SF002, SF003, SF501, SF502 AND OTHER FACILITY DRAWINGS.
- 5. ALL FIRE AND LIFE SAFETY DRAWING ARE CONCEPTUAL IN NATURE. CONTRACTOR DESIGN "SHOP" DRAWINGS MUST COMPLY WITH KUWAIT REGULATIONS AND MUST BE SUBMITTED AND APPROVED BY KFF.

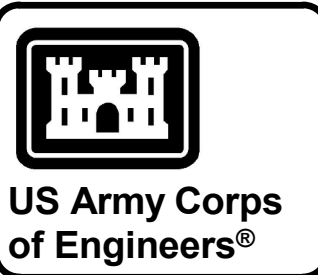
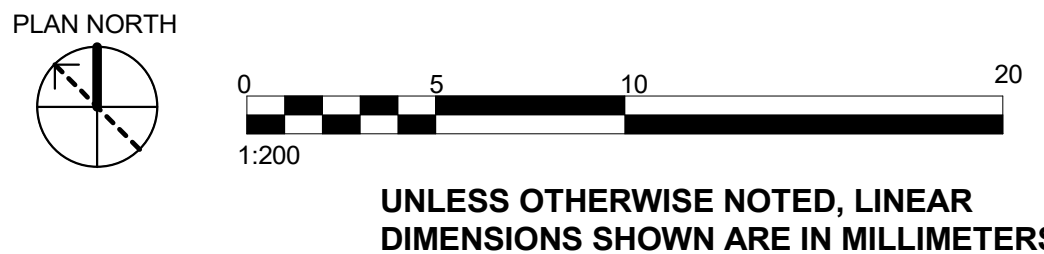
LEGEND

- FACU FIRE ALARM CONTROL UNIT:
- FSCU FO FIRE SUPPRESSION CONTROL UNIT: FOAM (FO) - SYNTHETIC FLUORINE-FREE FOAM (SFFF)
- A-F FOAM (SFFF) FLAME DETECTION SYSTEM PER AREAS A-F:
- IR INFRARED FLAME DETECTOR: (IR)
- FO FOAM ACTIVATION STATION (FO)
- TYPICAL FLAME DETECTOR CONE OF VIEW

FLAME DETECTION/FIRE ZONES AND SFFF DELUGE SPRINKLER RISER ZONES



GRAPHIC SCALE & NORTH ARROW



MARK	DESCRIPTION	DATE

ISSUE DATE: JULY 2026	SOLICITATION NO.: W912ER26RAD16	CONTRACT NO.:	PLOT DATE: 7/9/2026 1:46:19 PM
DESIGNED BY: D. FABER	DRAWN BY: M. MOORE	CHECKED BY: R. DIPERT	SUBMITTED BY: A. FREEMAN
U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602			ISO 11

ALI AL SALEM AB, KUWAIT KMOO - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509974-2	LOGISTICS READINESS CENTER INFRARED FLAME DETECTOR AND CALL POINTS PLAN - GROUND FLOOR
---	--

SHEET ID C FA102



WATER FED FROM FIRE PUMP(S)
DISTRIBUTION NETWORK, SEE SITE
DRAWINGS

**UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.**





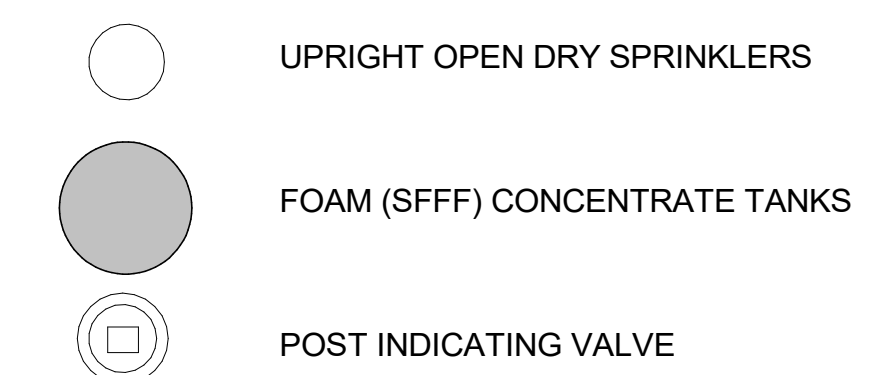
GENERAL NOTES

1. CONTRACTOR AWARDED THIS PROJECT IS REQUIRED TO COMPLY WITH KUWAIT REQUIREMENTS AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REQUIREMENTS.
2. ALL FIRE AND LIFE SAFETY DRAWING ARE CONCEPTUAL IN NATURE. CONTRACTOR WORKING DESIGN "SHOP" DRAWINGS MUST COMPLY WITH KUWAIT REQUIREMENTS AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REQUIREMENTS. DURING WORKING DESIGN AND INSTALLATION OF SPRINKLERS, ENSURE SPRINKLERS ARE NOT OBSTRUCTED BY BUILDING COMPONENTS OR ANY OTHER SERVICE COMPONENTS (E.G., PIPES, SEWAGE, ELECTRICAL, ETC.)
3. FOR GENERAL NOTES, LEGENDS, SYMBOLS, AND ADDITIONAL OTHER DETAILS SEE STANDARD DRAWINGS SF001, SF002, SF003, SF501, SF502 AND OTHER FACILITY DRAWINGS FOR SPECIFIC FACILITY DETAILS.
4. PROVIDE SFFF SPRINKLER SYSTEM IN HANGAR CEILING AND WET-PIPE SPRINKLER IN FIRE PROTECTION ROOM AND 38 MM FIRE HOSE CABINETS THROUGHOUT.
5. SYNTHETIC FLUORINE-FREE FOAM (SFFF) DELUGE SPRINKLER SYSTEM REQUIRED FOR 6 DIFFERENT RISERS/SYSTEMS.
6. PIV AND BOLLARD LOCATION SHOWN FOR REFERENCE ONLY. ACTUAL PIV LOCATION MUST BE COORDINATED WITH SITE DRAWING FS134.
7. ALL FIRE AND LIFE SAFETY DRAWING ARE CONCEPTUAL IN NATURE. CONTRACTOR DESIGN "SHOP" DRAWINGS MUST COMPLY WITH KUWAIT REGULATIONS AND MUST BE SUBMITTED AND APPROVED BY KFF.

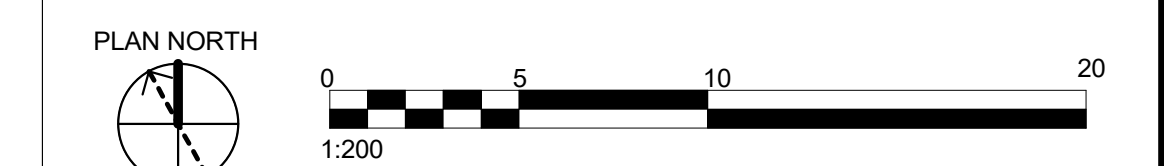
SHEET KEY NOTES

1. SMOKE CURTAIN — — — — —
SEE DRAWING FA301 AND ARCHITECTURE DRAWINGS

LEGEND



GRAPHIC SCALE & NORTH ARROW



UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.



**S Army Corps
f Engineers®**

[illegible]

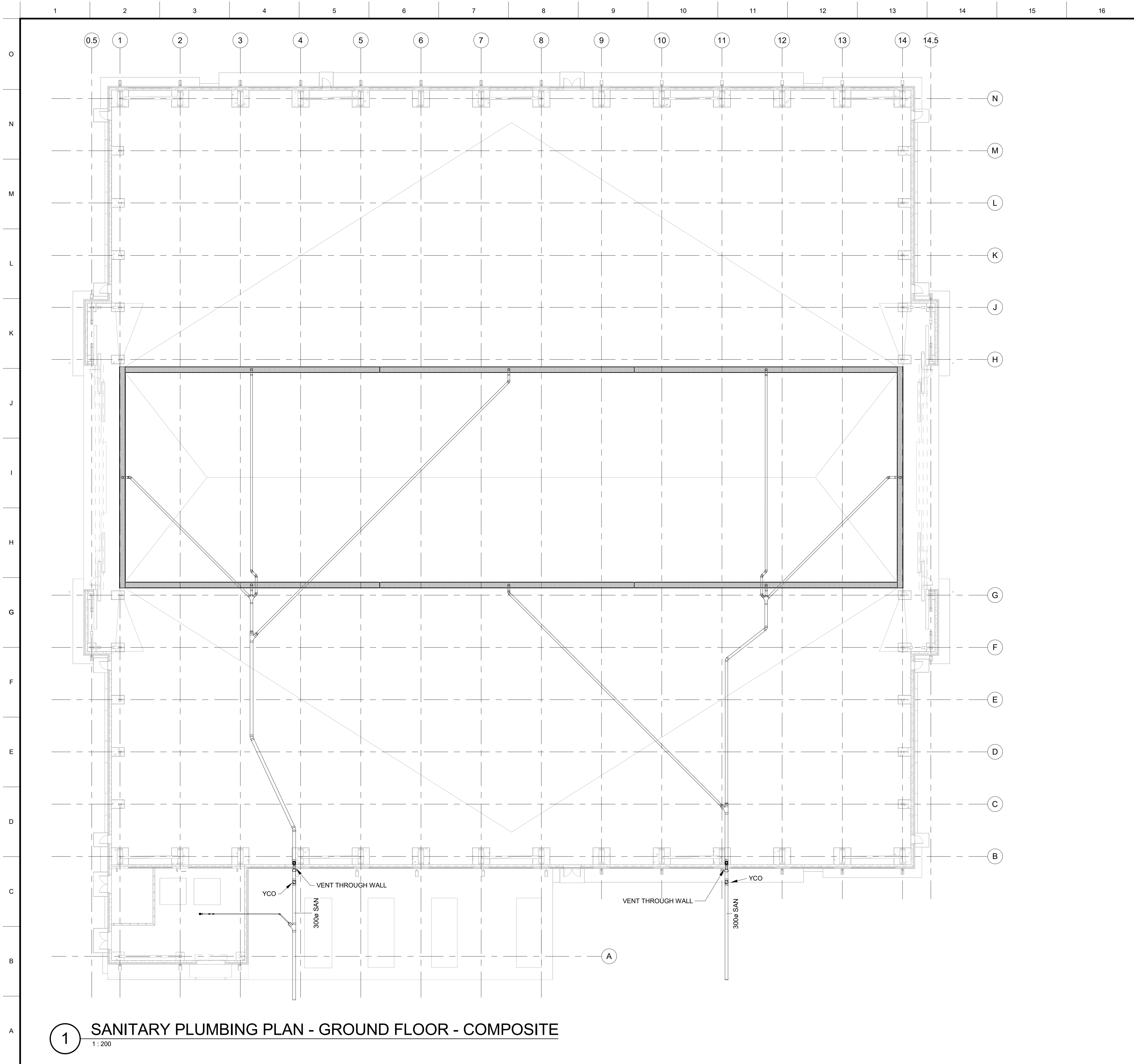
D. FABER	JULY 2026
DRAWN BY: M. MOORE	SOLICITATION NO.: W912ER26RA016
CHECKED BY: R. DIPERT	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/9/2026 1:46:32 PM
SIZE: ISO A1	FILE NAME: KU-509974-2C-FX102

MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

KUWAIT APACHE ALERT FACILITIES
KU-509974-2

SYNTHETIC FLUORINE FREE FOAM (SFFF)
SPRINKLER SYSTEM PLAN - GROUND FLOOR

HEET ID
C
X102

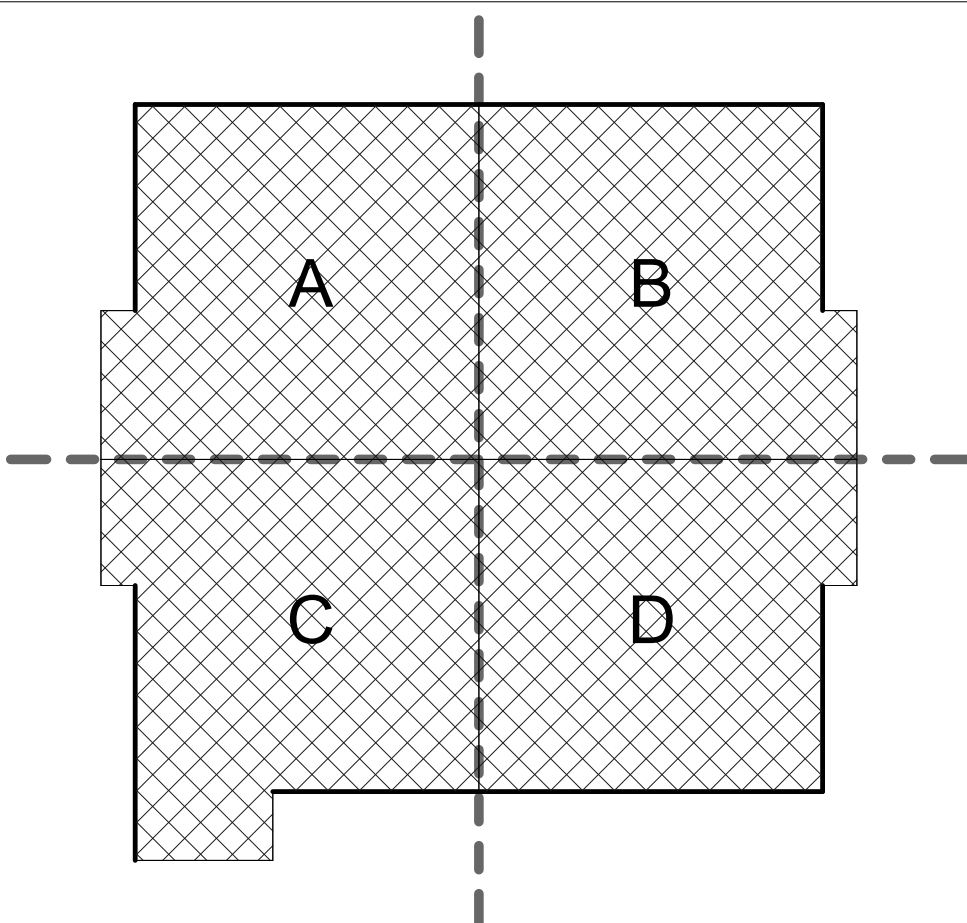


1 SANITARY PLUMBING PLAN - GROUND FLOOR - COMPOSITE
1 : 200

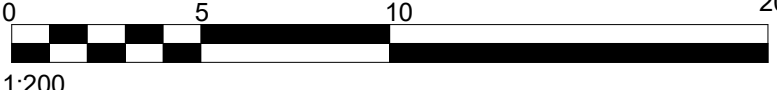
GENERAL SHEET NOTES

1. THE SLOPE FOR ALL THE PIPES SHALL BE 1.0%.

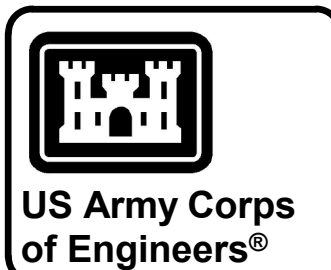
KEYPLAN



GRAPHIC SCALE & NORTH ARROW



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



MARK	DESCRIPTION	DATE

DESIGNED BY: C. BURBRINK	ISSUE DATE: JULY 2026
DRAWN BY: C. BURBRINK	SOLICITATION NO.: W012ER26RAD16
CHECKED BY: A. SANDATE	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 14:53:11
FILE NAME: ISO 11	FILE NAME: KU-509974-2C-PL101

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	LOGISTICS READINESS CENTER SANITARY PLUMBING PLAN - GROUND FLOOR - COMPOSITE
---	--

SHEET ID C PL101



US Army Corps
of Engineers®

[illegible]

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	DESIGNED BY: C. BURBRINK	ISSUE DATE: JULY 2026
	DRAWN BY: C. BURBRINK	SOLICITATION NO.: W912ER26RA018
	CHECKED BY: A. SANDATE	CONTRACT NO.:
	SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 14:53:12
	FILE NAME: ISO A1	
		KU-508974-2C-PL901

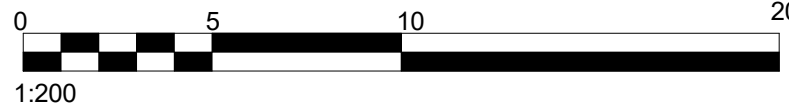
ALI AL SALEM AB, KUWAIT
KMOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-503974-2

SHEET ID
C
PL901



1. EACH AIR DIFFUSER SHALL BE SERVED BY A DEDICATED VOLUME CONTROL DAMPER (VCD) INSTALLED IN THE BRANCH DUCT TO ALLOW FOR INDEPENDENT AIRFLOW BALANCING.

1. INSTALL UNIT ABOVE DOOR
2. INSTALL UNIT AT 2.5M ABOVE FINISHED FLOOR
3. UNITS ARE WALL MOUNTED MINIMUM 1.5M ABOVE GRADE
4. BOTTOM OF SUPPLY DUCT IS 1080MM
5. BOTTOM OF RETURN DUCT IS 3100MM



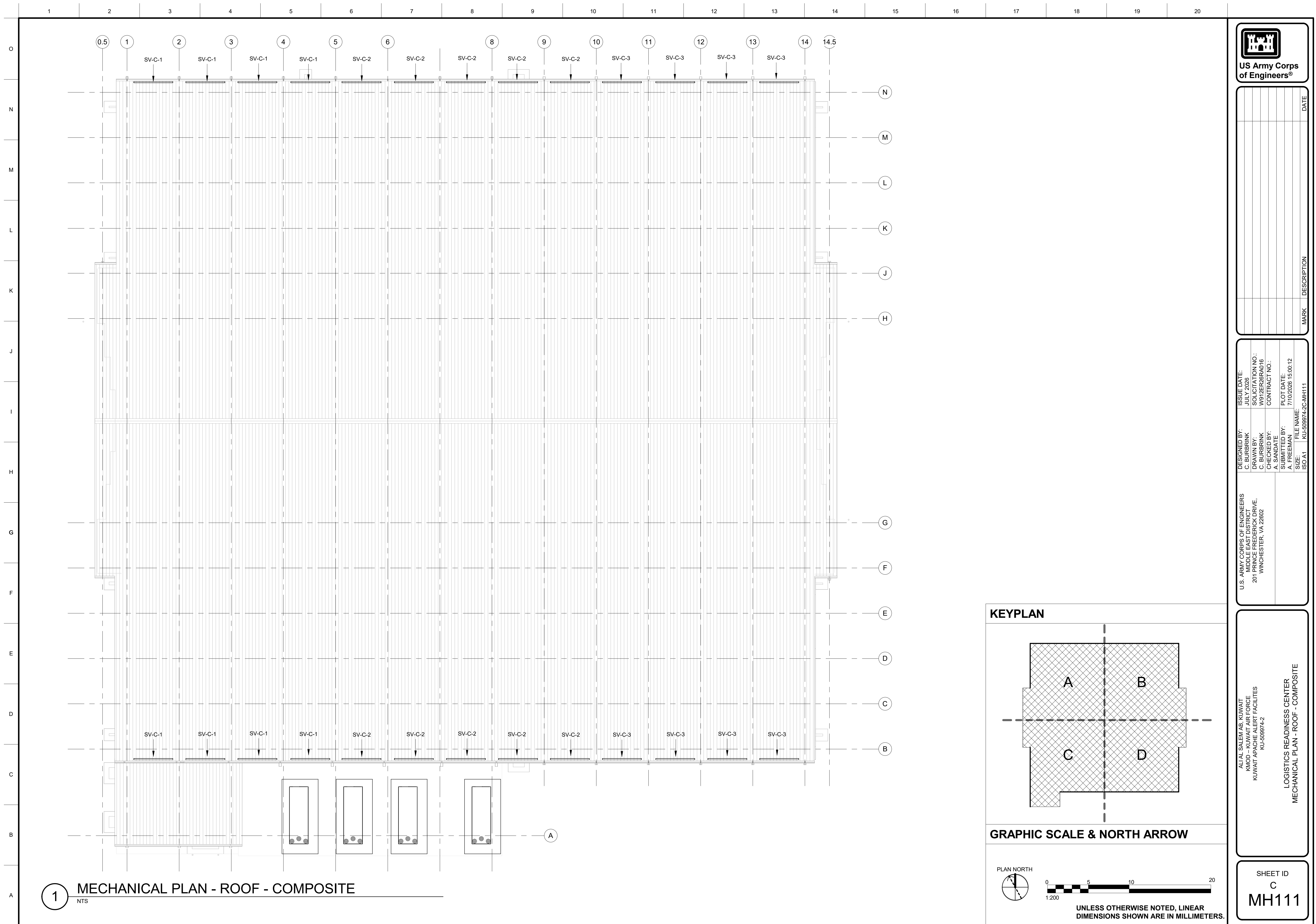
UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.

[illegible]

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 SOUTH BRIDGE AVE. WINCHESTER, VA 22602	DESIGNED BY: C. BURRINK DRAWN BY: C. BURRINK CHECKED BY: A. SANDATE SUBMITTED BY: A. FREEMAN FILE NAME: ISO A1 ISSUE DATE: JUL 2003 CONTRACT NO.: W912ER26RA016 CONTRACT NO.: PLOT DATE: 7/10/2026 14:52:55 MH01
---	---

ALI AL SALEM AB. KUWAIT
 KMOD – KUWAIT AIR FORCE
 KUWAIT APACHE ALERT FACILITIES
 KU-50974-2

SHEET ID
C
MH101



1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

US Army Corps

of Engineers®

</

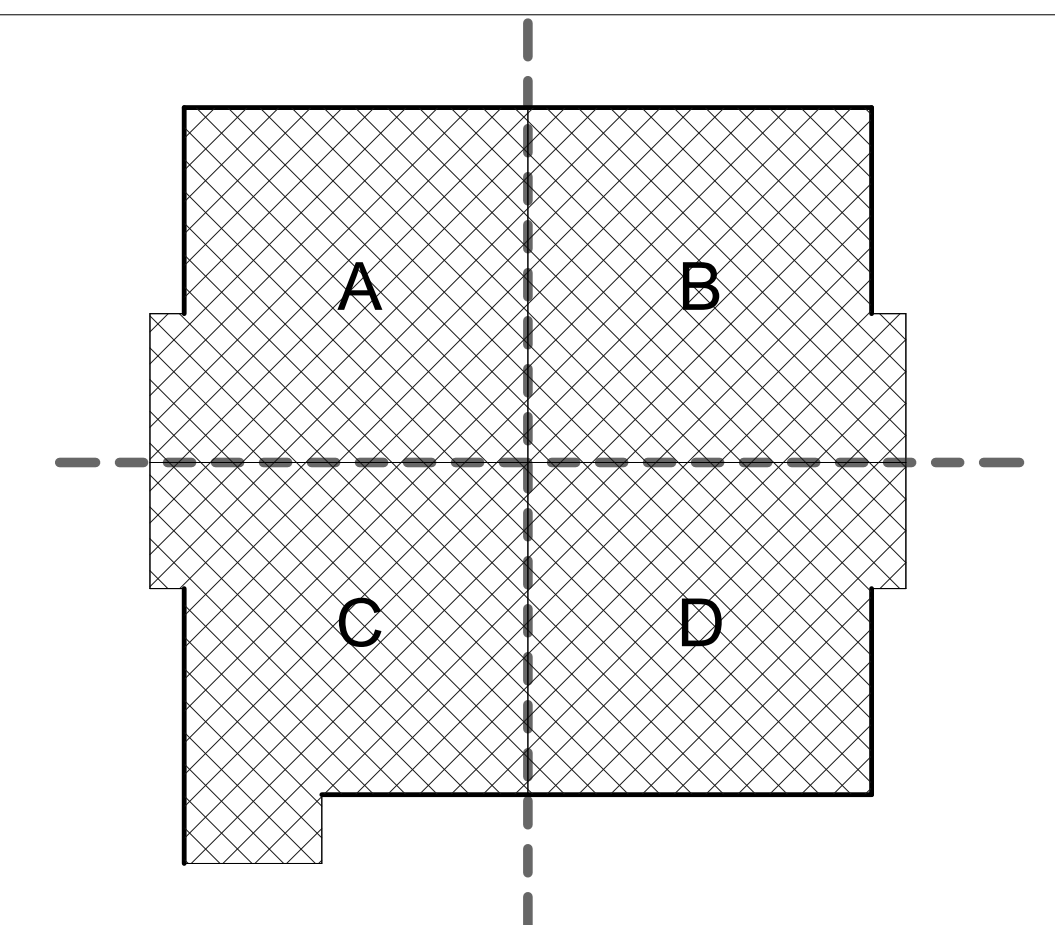


1. HANGAR DOORS INTERLOCKED WITH FIRE ALARM AND EMERGENCY POWER

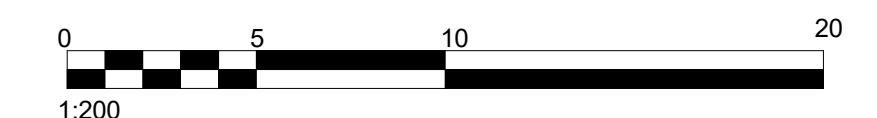
[illegible]

SOLICITATION NO:	W912ER26RA016
CHECKED BY:	A. SANDATE
PLOT DATE:	7/10/2026 14:53:07
CONTRACT NO.:	
DRAWN BY:	C. BURBRINK
FILE NAME:	KU-509974-2C-MH801
ISO A1	
DATE:	JUL 11 2026
APPROVED BY:	A. FREEMAN
SIZE:	

MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602



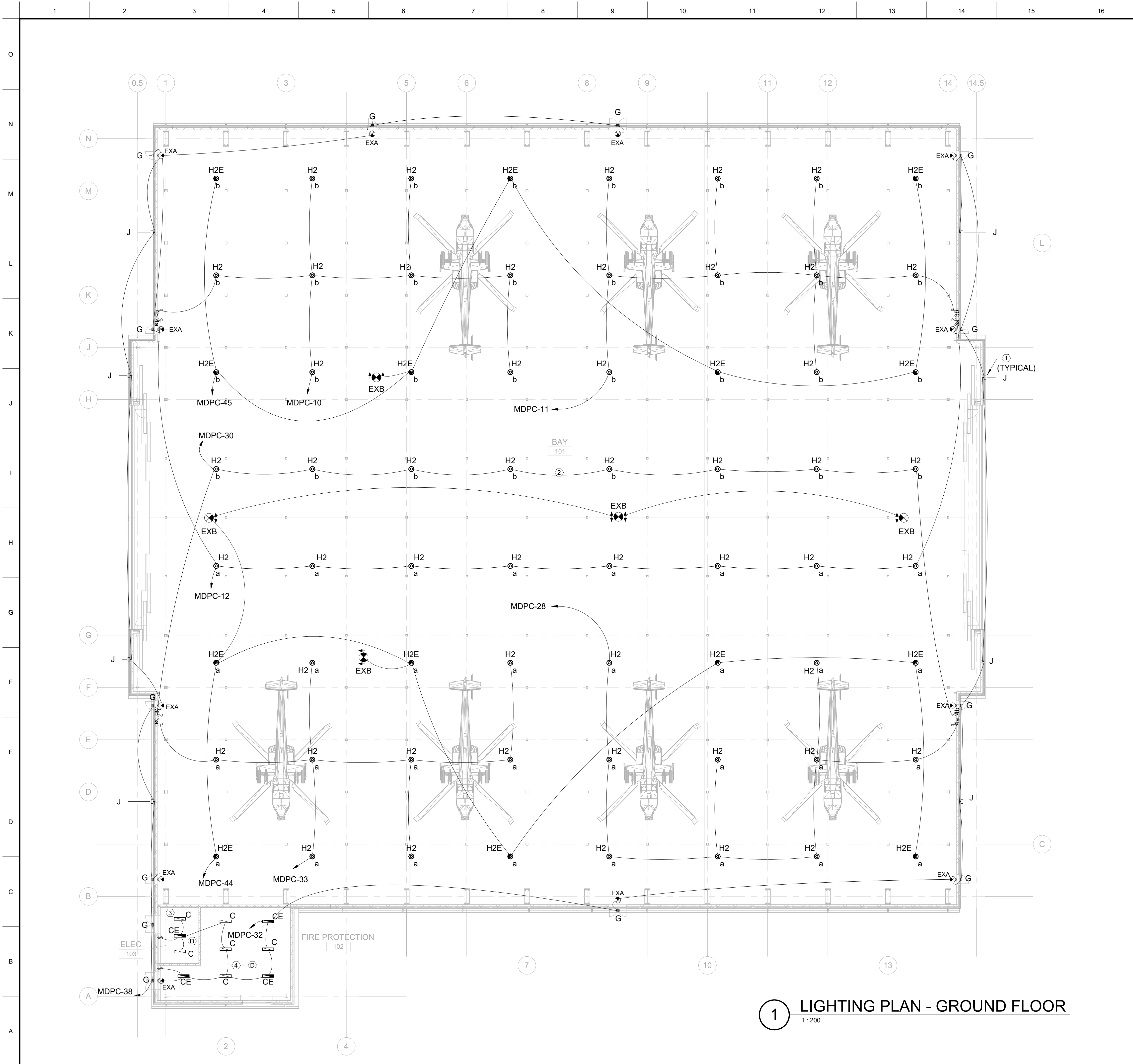
PLAN NORTH



UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.

LOGISTICS READINESS CENTER
MECHANICAL SMOKE EXHAUST PLAN - GROUND
FLOOR - COMPOSITE

HEET ID
C
H801



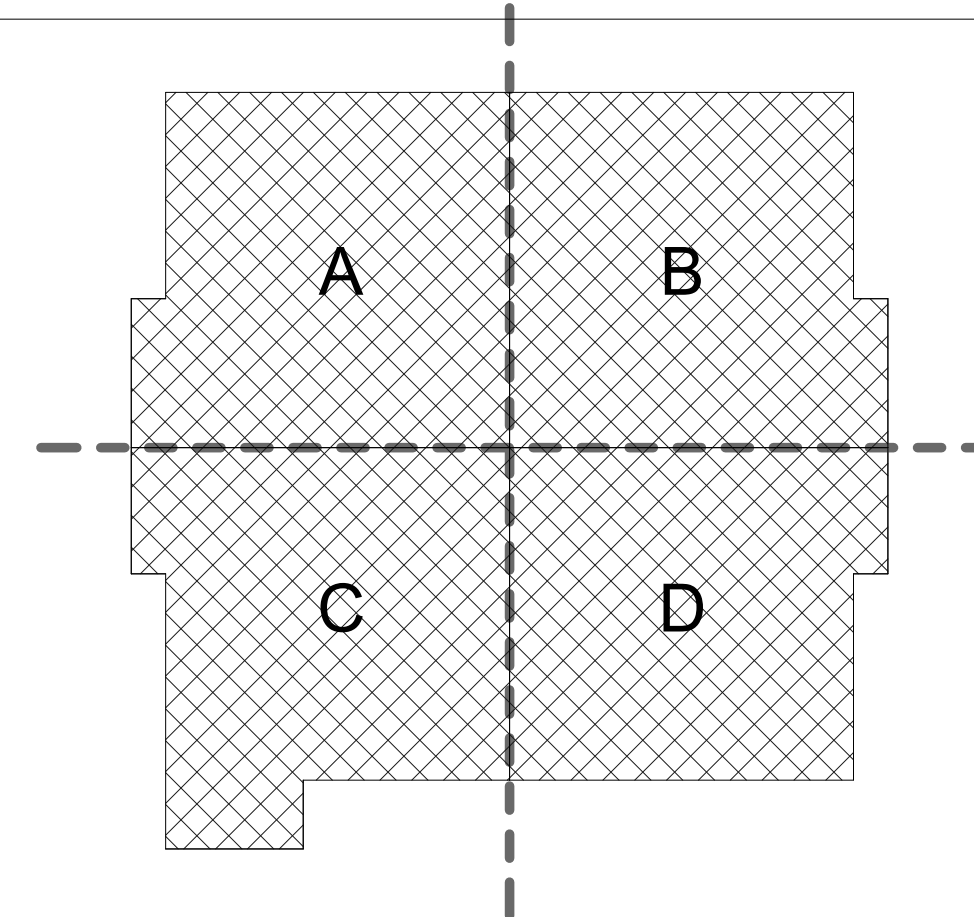
GENERAL SHEET NOTES

- FOR ELECTRICAL LEGEND, AND ABBREVIATION SEE SE-001 TO SE-003 (STANDARD VOLUME).
- FOR LIGHTING SCHEDULE, LIGHTING DETAILS, LIGHTING CONTROL WIRING AND DIAGRAMS SEE SE500 SERIES (STANDARD VOLUME).
- INSTALL ALL LIGHTING PER THE LATEST EDITION OF THE MINISTRY OF ELECTRICITY AND WATER (MEW) R-1/S-1 AND UFC-3-530-01.
- CONNECT EXIT SIGNS TO THE NON-SWITCH LEG OF LIGHTING CONTROL TO THE AREA.
- ALL EXTERIOR DOOR LIGHTS MUST BE MOUNTED 500 mm ABOVE DOOR FRAME, UNLESS NOTED OTHERWISE.
- LIGHT FIXTURES WITH DESIGNATION "E" ARE EMERGENCY LIGHTS WITH BATTERY BACK, 3 HOUR RUN TIME.
- PROVIDE CEILING MOUNTED DAYLIGHT AND OCCUPANCY SENSORS OR FIXTURES WITH ATTACHED SENSORS FROM THE FACTORY THAT CONTROL LIGHTS IN THE ZONES INDICATED. CONTRACTOR MUST FIELD COORDINATE PLACEMENT OF ALL FIXTURES AND SENSORS WITH ALL TRADES.
- CONTRACTOR MUST PROVIDE AND INSTALL THE PROPER LIGHT FIXTURE MOUNTING KITS FOR ALL LIGHTING FIXTURES FOR SPECIFIC CEILING AND/OR WALL TYPE IN EACH ROOM.
- PROVIDE SURFACE MOUNTED RACEWAY FOR ALL INTERIOR ELECTRICAL DISTRIBUTION, UNLESS NOTED OTHERWISE.
- LETTERS A-F: INSTALL LIGHTING FIXTURES AND CONTROL DEVICES IN ACCORDANCE WITH CORRESPONDING DETAILS ON SE506 AND SE507 WIRING SCHEMATICS. FOR LIGHTING CONTROL NETWORK DIAGRAM SEE SE508 AND SE509.

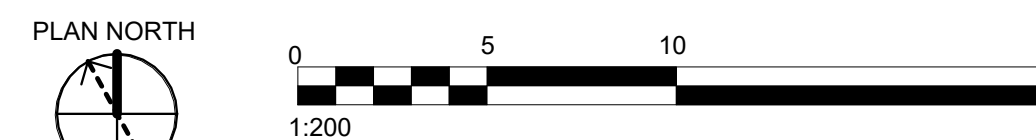
SHEET KEY NOTES

- MOUNT FLOODLIGHT AT 45 DEGREES TILT AND FULLY SHIELDED/FULL VISOR TO MINIMIZE GLARE.
- PROVIDE SUSPENDED LIGHT FIXTURES WITH ADJUSTABLE MOUNTING KITS FROM THE MANUFACTURER (AIRCRAFT CABLE). MOUNT FIXTURES 3.0 METERS BELOW CEILING.
- SUSPEND LIGHTS 0.5 METERS BELOW CEILING COORDINATE WITH OTHER TRADES IN THIS ROOM.
- SUSPEND LIGHTS 1 METER BELOW CEILING COORDINATE WITH OTHER TRADES IN THIS ROOM.

KEYPLAN



GRAPHIC SCALE & NORTH ARROW



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

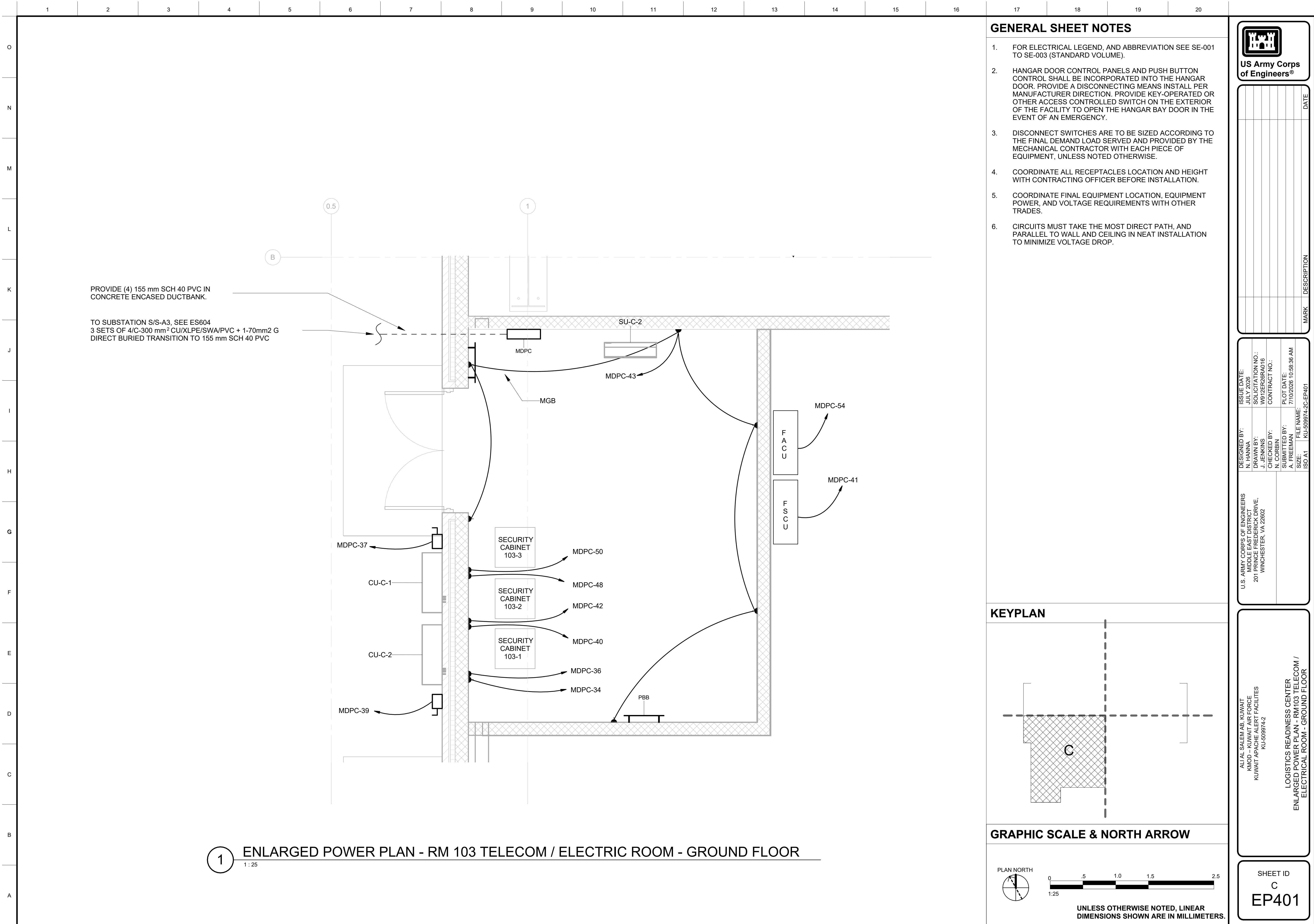
ISSUE DATE: JULY 2026	SOLICITATION NO.: W912ER26A016	CONTRACT NO.:
DESIGNED BY: N. HANNA	DRAWN BY: J. JENKINS	CHECKED BY: N. CORBIN
SUBMITTED BY: A. FREEMAN		PLOT DATE: 7/10/2026 10:58:33 AM
SIZE: ISO A1		FILE NAME: KU-509974-2C-EL101

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

ALI AL SALEM AB, KUWAIT
KNOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
LIGHTING PLAN - GROUND FLOOR

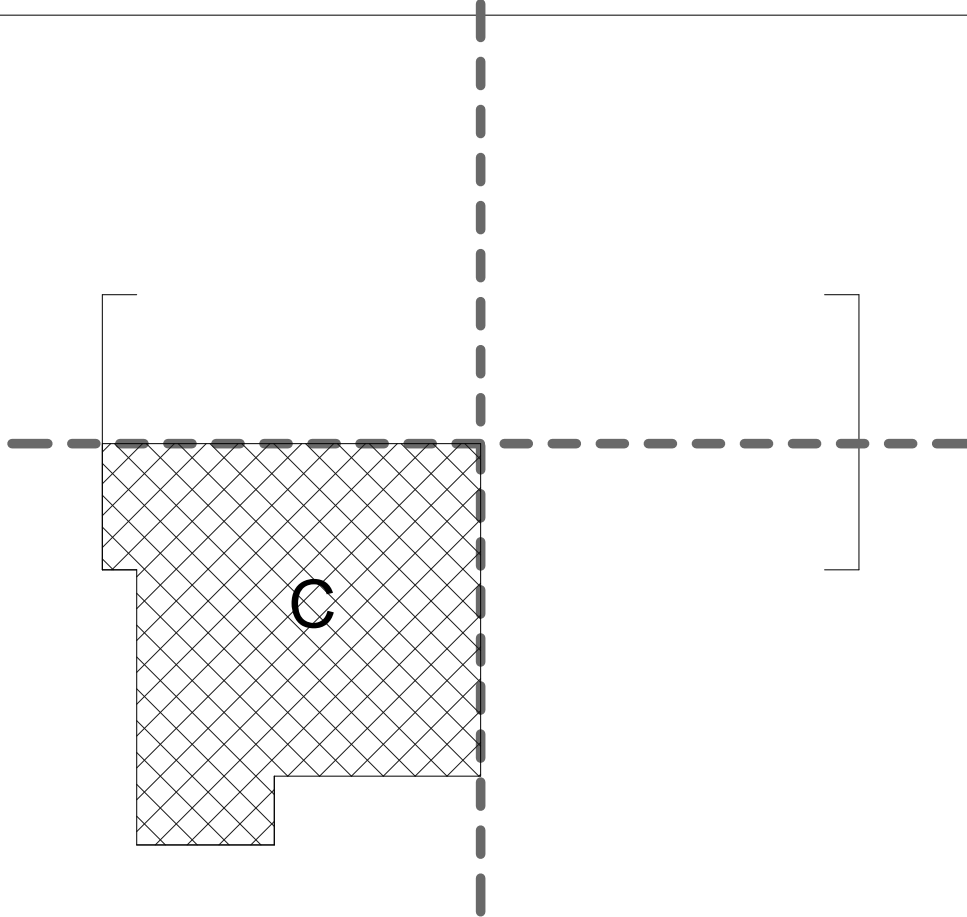
SHEET ID C
EL101



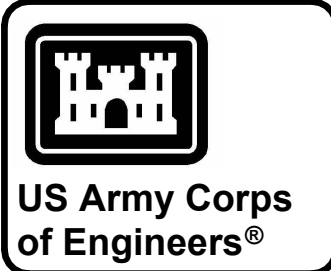
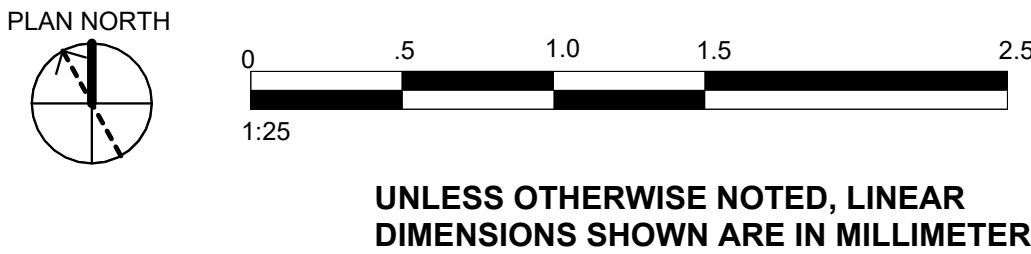
GENERAL SHEET NOTES

- FOR ELECTRICAL LEGEND, AND ABBREVIATION SEE SE-001 TO SE-003 (STANDARD VOLUME).
- HANGAR DOOR CONTROL PANELS AND PUSH BUTTON CONTROL SHALL BE INCORPORATED INTO THE HANGAR DOOR. PROVIDE A DISCONNECTING MEANS INSTALL PER MANUFACTURER DIRECTION. PROVIDE KEY-OPERATED OR OTHER ACCESS CONTROLLED SWITCH ON THE EXTERIOR OF THE FACILITY TO OPEN THE HANGAR BAY DOOR IN THE EVENT OF AN EMERGENCY.
- DISCONNECT SWITCHES ARE TO BE SIZED ACCORDING TO THE FINAL DEMAND LOAD SERVED AND PROVIDED BY THE MECHANICAL CONTRACTOR WITH EACH PIECE OF EQUIPMENT, UNLESS NOTED OTHERWISE.
- COORDINATE ALL RECEPTACLES LOCATION AND HEIGHT WITH CONTRACTING OFFICER BEFORE INSTALLATION.
- COORDINATE FINAL EQUIPMENT LOCATION, EQUIPMENT POWER, AND VOLTAGE REQUIREMENTS WITH OTHER TRADES.
- CIRCUITS MUST TAKE THE MOST DIRECT PATH, AND PARALLEL TO WALL AND CEILING IN NEAT INSTALLATION TO MINIMIZE VOLTAGE DROP.

KEYPLAN



GRAPHIC SCALE & NORTH ARROW



MARK	DESCRIPTION	DATE

DESIGNED BY: N. HANNA	ISSUE DATE: JULY 2026
DRAWN BY: J. JENKINS	SOLICITATION NO.: W912ER26RA016
CHECKED BY: N. CORBIN	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 10:58:36 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-EP401

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	LOGISTICS READINESS CENTER ENLARGED POWER PLAN - RM103 TELECOM / ELECTRICAL ROOM - GROUND FLOOR
---	---

SHEET ID C EP401

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

O

N

M

L

K

J

I

H

G

F

E

D

C

B

A

Branch Panel: MDPC

Location: ELEC 103
Supply From: S/S-A3
Mounting: Surface
Enclosure: IP21

Volts: 415/240V
Phases: 3
Wires: 4
Frequency: 50 Hz

A.I.C. Rating: 50 kA
Mains Type: MAIN CB
Mains Rating: 630 A
MCB Rating: 630 A

CKT	Circuit Description	Cond mm2	Gnd mm2	Conduit mm	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Conduit mm	Gnd mm2	Cond mm2	Circuit Description	CKT
1							0 VA			1035 VA								RCPT BAY101	2
3	SPD	6	6	27	32 A	3		0 VA					1	20 A	27	4	6	RCPT BAY101	4
5									0 VA				1	32 A	21	4	4	CU-C-3	6
7	EXT RECEPTACLES	10	6	27	20 A	1	1035 VA			1380 VA			1	20 A	27	6	10	RCPT BAY101	8
9	RCPT BAY101	6	4	27	20 A	1		1725 VA			1896 VA		1	20 A	27	4	6	LIGHTING BAY 101	10
11	LIGHTS BAY 101	6	4	21	20 A	1			2133 VA				1	20 A	27	4	6	LIGHTING BAY 101	12
13	RCPT BAY101	10	6	27	20 A	1	1725 VA			2070 VA			1	20 A	21	4	4	RCPT BAY 101	14
15								18020 VA			18020 VA								16
17	PACU-1*	50	16	53	100 A	3			18020 VA				3	100 A	53	16	50	PACU-2*	18
19							18020 VA			18020 VA									20
21								18020 VA			18020 VA								22
23	PACU-3*	50	16	53	100 A	3			18020 VA				3	100 A	53	16	50	PACU-4*	24
25							18020 VA			18020 VA									26
27								0 VA			2133 VA		1	20 A	21	4	6	LIGHTS BAY 101	28
29	Spare				20 A	3			0 VA				1	20 A	21	4	6	LIGHTS BAY 101	30
31								0 VA		1035 VA			1	20 A	27	4	6	LIGHTS RM102, 103	32
33	LIGHTING BAY 101	6	4	27	20 A	1		1896 VA			1000 VA		1	20 A	21	4	4	COMM/ SEC RACK	34
35	ROLL-UP DOOR...	4	4	21	20 A	1			2304 VA				1	20 A	21	4	4	COMM/ SEC RACK	36
37	CU-C-1	6	4	21	20 A	1	540 VA			855 VA			1	20 A	21	4	4	HANGAR LIGHTING...	38
39	SU-C-2	6	4	21	20 A	1		540 VA			1000 VA		1	20 A	21	4	4	COMM/ SEC RACK	40
41	FSCU	4	4	21	20 A	1			1000 VA				1	20 A	27	4	6	COMM/ SEC RACK	42
43	RECEPTACLE RM401	4	4	21	20 A	1	1200 VA			1379 VA			1	20 A	21	4	4	EMERG LTS BAY 101	44
45	EMERG LTS BAY 101	6	4	27	20 A	1		1379 VA			1380 VA		1	20 A	21	4	4	FIRE RM RECEPT	46
47	COMM CAB 101-1	6	4	27	20 A	1			500 VA				1	20 A	21	4	4	COMM/ SEC RACK	48
49	OBSTRUCT LTS	6	4	27	20 A	1	696 VA			1000 VA			1	20 A	21	4	4	COMM/ SEC RACK	50
51	Spare				20 A	1		0 VA			500 VA		1	20 A	27	6	10	COM CAB 101-2	52
53	Spare				20 A	1			0 VA				1	20 A	21	4	4	FACU	54
55	Spare				20 A	1		0 VA											56
Total Load:							86030 VA		87254 VA		89889 VA								
Total Amps:							358 A		364 A		375 A								
Load Classification				Connected Load			Demand Factor			Estimated Demand			Panel Totals						
Equipment				2000 VA			100.00%			2000 VA									
HVAC				223704 VA			70.00%			156593 VA			Total Conn. Load: 263173 VA						
Lighting				16258 VA			100.00%			16258 VA			Total Est. Demand: 190924 VA						
Lighting - Exterior				936 VA			100.00%			936 VA			Total Conn.: 366 A						
Receptacle				20275 VA			74.66%			15138 VA			Total Est. Demand: 266 A						
													Total Conn. with 15% Spare: 302,649 VA						
													Total Demand with 15% Spare: 219,563 VA						
Notes: CONTRACTOR MUST VERIFY ALL CIRCUIT RATINGS ARE BASED ON ACTUAL NAMEPLATE DATA OF EQUIPMENT AND MAKE REVISIONS REQUIRED TO CIRCUIT BREAKER SIZES, CABLE AND CONDUIT SIZES.																			

GENERAL SHEET NOTES

1. FOR ELECTRICAL LEGEND, AND ABBREVIATION SEE SHEETS SE001 - SE003 (STANDARD VOLUME).

2. PROVIDE LOCKABLE BREAKER FOR ALL SPECIAL SYSTEMS EQUIPMENT (IDS, ACS, CCTV AND FACP).

3. PROVIDE RED LOCKABLE CIRCUIT BREAKER FOR FIRE ALARM CONTROL PANEL.

4. PROVIDE EXTERNALLY MOUNTED SURGE PROTECTOR DEVICE (SPD) ADJACENT TO THE PANEL.

5. DEGREE OF PROTECTION AGAINST EARTH LEAKAGE THROUGHOUT THE ELECTRICAL INSTALLATION SHALL BE OF THE FOLLOWING:

• MAXIMUM 30 mA TRIP RATING - FOR UNDER WATER LIGHTING

• MAXIMUM 30 mA TRIP RATING - ALL SOCKET OUTLETS AND DOMESTIC APPARATUS

• 300 mA TRIP RATING - LIGHTING CIRCUITS AND ALL OTHER APPARATUS AND EQUIPMENT INCLUDING HVAC, MOTORS AND PUMPS.

US Army Corps of Engineers®

DATE

DESCRIPTION

MARK

ISSUE DATE:
JULY 2026

SOLICITATION NO.:
W912ER26RAD16

CONTRACT NO.:

PLOT DATE:
7/10/2026 10:58:36 AM

FILE NAME:
KU-509974-2C-EP602

DESIGNED BY:
N. HAINA

DRAWN BY:
J. JENKINS

CHECKED BY:
N. CORBIN

SUBMITTED BY:
A. FREEMAN

SIZE:
ISO A1

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

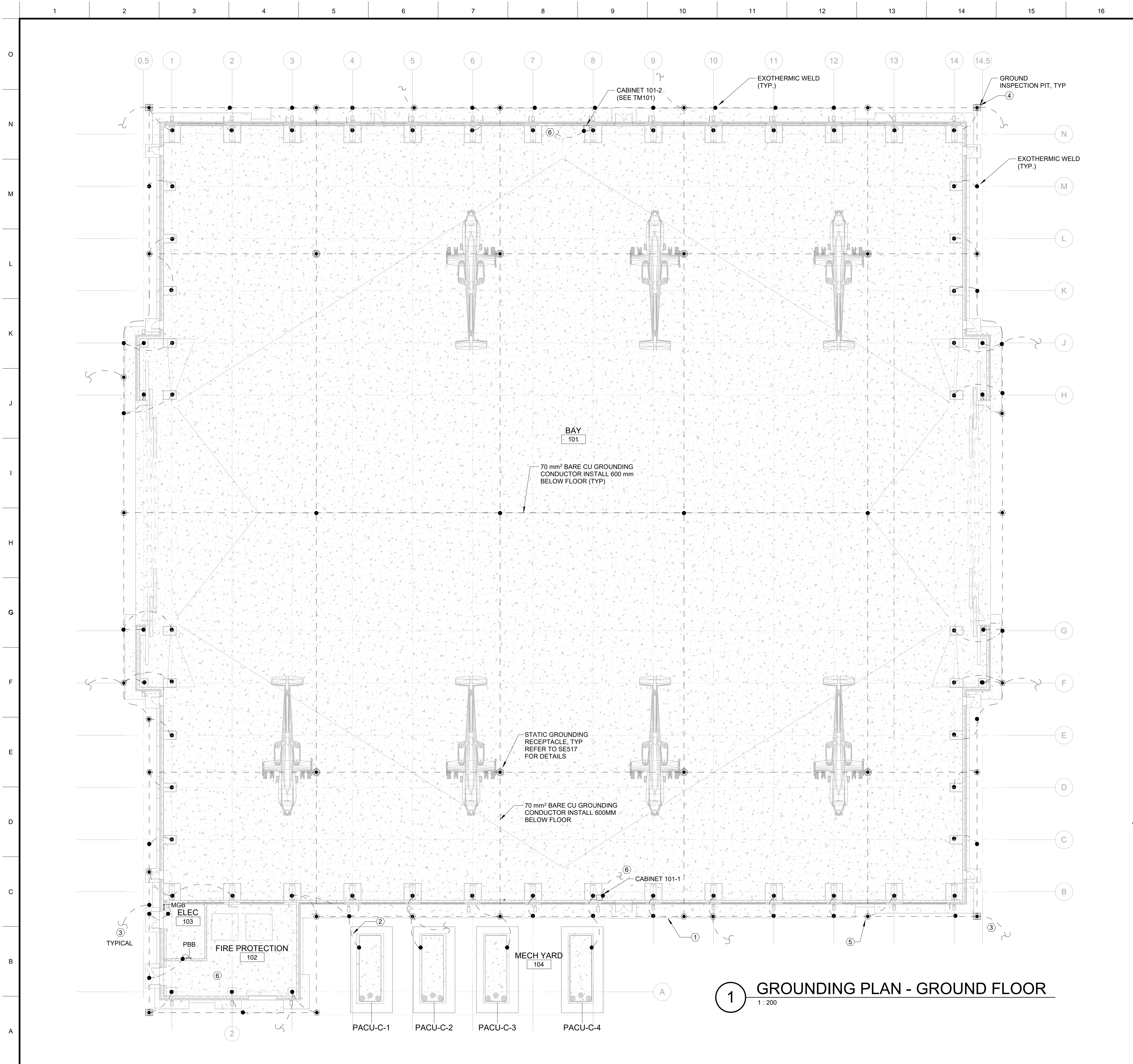
ALI AL SALEM AB, KUWAIT
KMOB - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
PANEL SCHEDULES

SHEET ID
C
EP602

File Path: X:\REVIT PROJECTS\KUWAIT\2023\KU-509974-2 - APACHE ALERT MISSION FACILITIES\SC - LOGISTICS READINESS CENTER\KU-509974-2C-DM-E-LRCE_RVT25.rvt
Plot Date: 7/10/2026 10:58:36 AM

CDC



1 GROUNDING PLAN - GROUND FLOOR
1 : 200

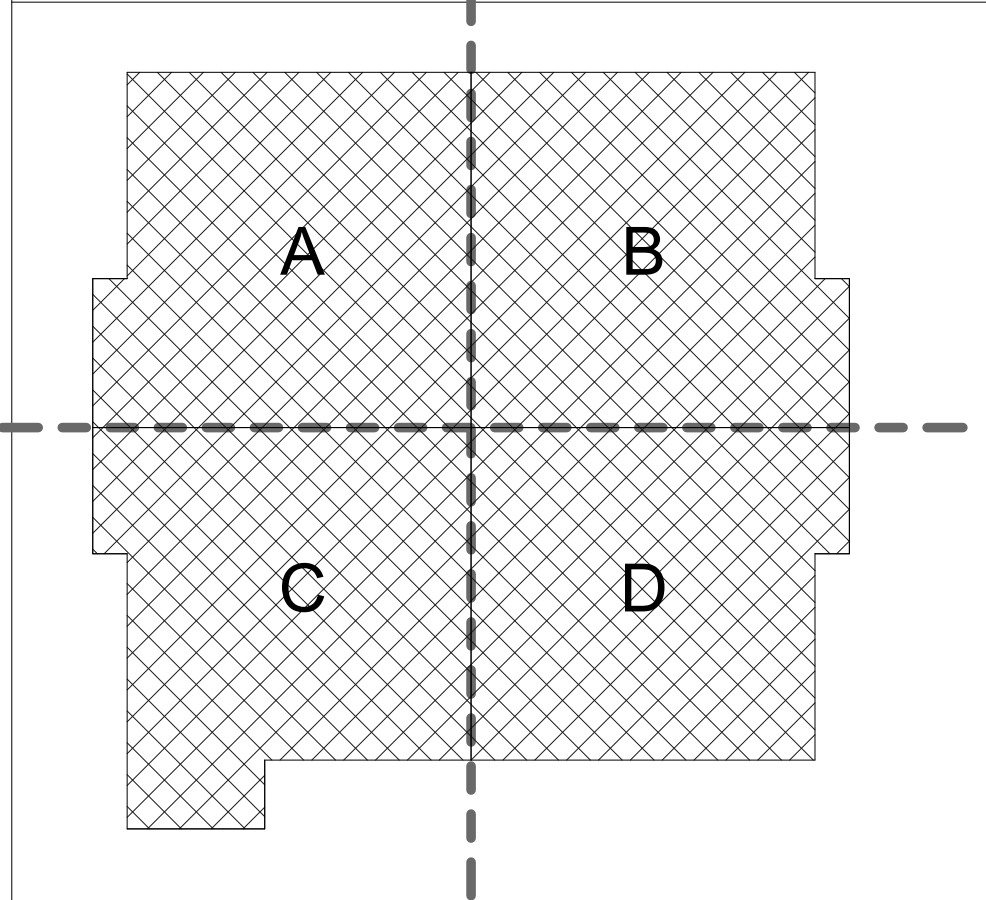
GENERAL SHEET NOTES

- FOR ELECTRICAL LEGEND, AND ABBREVIATION SEE SE-001 TO SE-003 (STANDARD VOLUME).
- SEE SE500 SERIES (STANDARD VOLUME) FOR GROUNDING, AND LIGHTING PROTECTION DETAILS.
- ALL GROUNDING LOCATIONS SHALL BE LOCATED A MAXIMUM OF 600MM FROM FLOOR JOINTS.
- BOND ALL METALLIC PIPING SUCH AS WATER, COMPRESSED AIR, FIRE PIPING, ETC. AT THE SERVICE.
- GROUND RING SHALL BE LOCATED 1500 mm NOMINAL FROM THE OUTSIDE EDGE OF THE BUILDING FOUNDATION, AT LEAST BELOW THE DRIP LINE FOR THE FACILITY AND 762 mm BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.
- THE RESISTANCE BETWEEN EARTH ELECTRODES AND THE GENERAL MASS OF EARTH SHALL NOT EXCEED TWO (2) OHMS. INSTALL ADDITIONAL EARTH ELECTRODES IN PARALLEL, GROUND RODS OR PROVIDE A NON-CORROSIVE GROUND ENHANCEMENT MATERIAL NOT DEPENDENT ON MOISTURE (BENTONITE CLAY IS NOT ACCEPTABLE), IF THESE FIGURES ARE NOT MET.
- SYSTEM GROUNDING SHALL FOLLOW BS7671, TN-S GROUNDING METHOD.
- PROVIDE LIGHTNING PROTECTION IN ACCORDANCE WITH NFPA 780.
- THE DOWN CONDUCTORS SHALL BE DRAWN INSIDE 50MM PVC CONDUITS CONCEALED IN THE STRUCTURE.
- FOR GROUNDING RISER DIAGRAM SEE SHEET EG601.

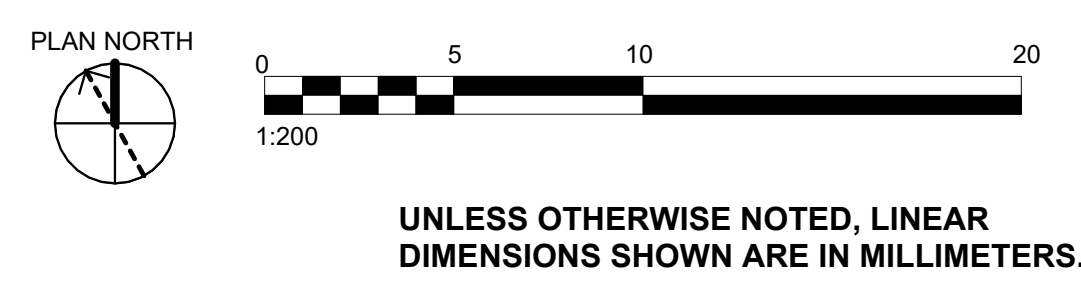
SHEET KEY NOTES

- 120 mm² BARE STRANDED COPPER GROUND LOOP.
- GROUND MECHANICAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES. SEE SHEET EG601
- 70 mm² BARE STRANDED CLASS 1 COPPER DOWN CONDUCTOR. CONCEAL DOWN CONDUCTORS IN PVC CONDUIT (TYP). COORDINATE CONNECTION WITH LIGHTNING PROTECTION PLANS.
- INSTALL GROUND TEST WELL, AT LEAST TWO ON OPPOSITE CORNER OF THE BUILDING.
- INSTALL 19 mm X 3 m COPPER-CLAD STEEL GROUND ROD (TYP).
- GROUND ALL TELECOMMUNICATIONS EQUIPMENT TO THE MAIN TELECOMMUNICATIONS PRIMARY BONDING BUSBAR (PBB).

KEYPLAN



GRAPHIC SCALE & NORTH ARROW



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

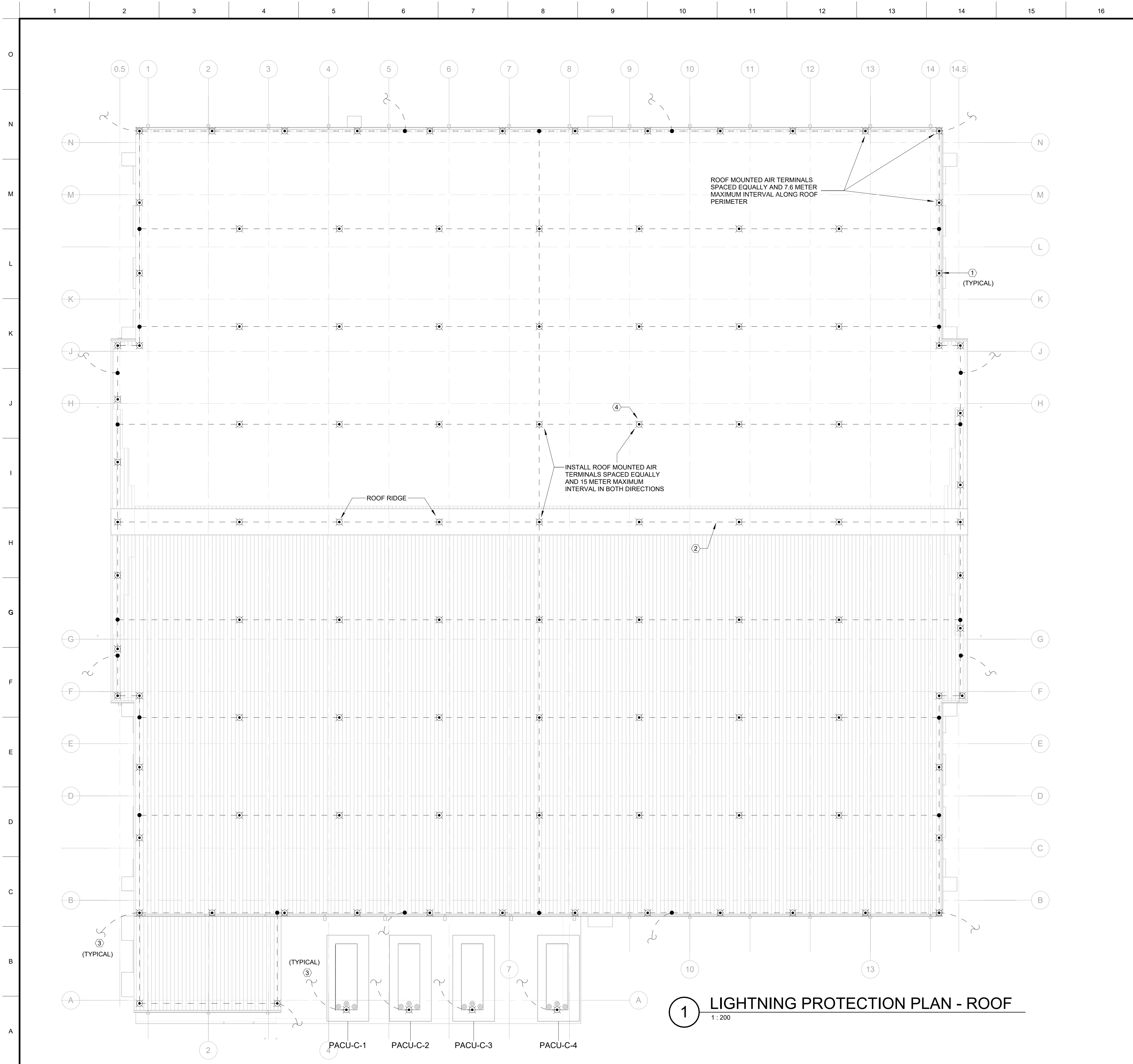
ISSUE DATE: JULY 2026	SOLICITATION NO.: W912ER26RA016	CONTRACT NO.:	PLOT DATE: 7/10/2026 10:58:27 AM
DESIGNED BY: N. HAINA	DRAWN BY: J. JENKINS	CHECKED BY: M. MAARROOF	SUBMITTED BY: A. FREEMAN
FILE NAME: ISO A1			FILE NAME: KU-509974-2C-EG101

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

ALI AL SALEM AB, KUWAIT
KMOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
GROUNDING PLAN - GROUND FLOOR

SHEET ID
C
EG101



1 LIGHTNING PROTECTION PLAN - ROOF
1 : 200

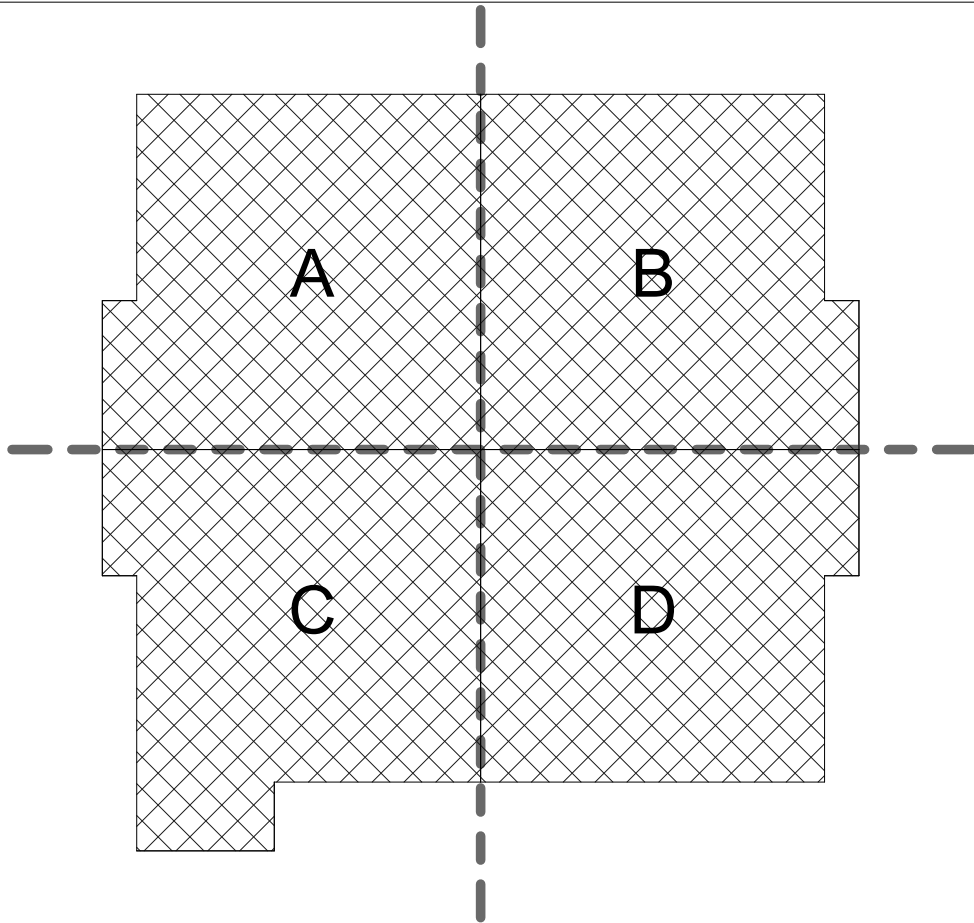
GENERAL SHEET NOTES

- FOR ELECTRICAL LEGEND, AND ABBREVIATION SEE SE-001 TO SE-003 (STANDARD VOLUME).
- SEE SE500 SERIES SHEETS FOR GROUNDING, AND LIGHTING PROTECTION DETAILS (STANDARD VOLUME).
- ALL GROUNDING LOCATIONS SHALL BE LOCATED A MAXIMUM OF 600 mm FROM FLOOR JOINTS.
- BOND ALL METALLIC PIPING SUCH AS WATER, COMPRESSED AIR, FIRE PIPING, ETC. AT THE SERVICE.
- GROUND RING SHALL BE LOCATED 1500 mm NOMINAL FROM THE OUTSIDE EDGE OF THE BUILDING FOUNDATION, AT LEAST BELOW THE DRIP LINE FOR THE FACILITY AND 762 mm BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.
- THE RESISTANCE BETWEEN EARTH ELECTRODES AND THE GENERAL MASS OF EARTH SHALL NOT EXCEED TWO (2) OHMS. INSTALL ADDITIONAL EARTH ELECTRODES IN PARALLEL, GROUND RODS OR PROVIDE A NON-CORROSIVE GROUND ENHANCEMENT MATERIAL NOT DEPENDENT ON MOISTURE (BENTONITE CLAY IS NOT ACCEPTABLE), IF THESE FIGURES ARE NOT MET.
- SYSTEM GROUNDING SHALL FOLLOW BS7671, TN-S GROUNDING METHOD.
- PROVIDE LIGHTNING PROTECTION IN ACCORDANCE WITH NFPA 780.
- THE DOWN CONDUCTORS SHALL BE DRAWN INSIDE 50 mm PVC CONDUITS CONCEALED IN THE STRUCTURE.
- PROVIDE TEST CLAMP ON ALL DOWN CONDUCTORS AT 2000 mm. FROM FINISH GRADE.
- STRUCTURES EXCEEDING 250 FT (76 m) IN PERIMETER SHALL HAVE A DOWN CONDUCTOR EVERY 100 FT (30 m) OF PERIMETER OR FRACTION THEREOF.

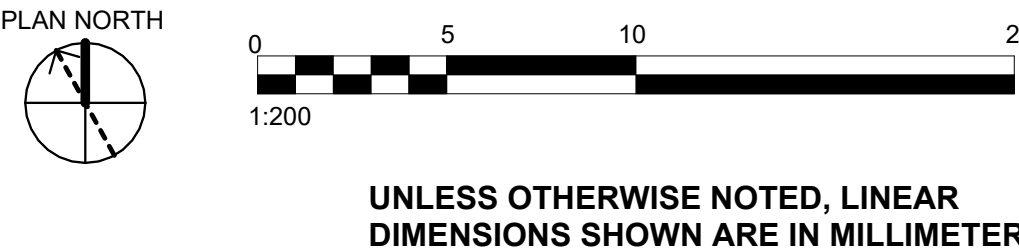
SHEET KEY NOTES

- 10 mm X 600 mm SOLID COPPER AIR TERMINAL (TYP). AIR TERMINALS ON PERIMETER SHALL BE LOCATED WITHIN 0.6 m FROM EDGE.
- 70 mm² BARE STRANDED CLASS 1 COPPER LIGHTNING PROTECTION MAIN CONDUCTOR.
- 70 mm² BARE STRANDED CLASS 1 COPPER DOWN CONDUCTOR. CONCEAL DOWN CONDUCTORS IN PVC CONDUIT (TYP). COORDINATE CONNECTION WITH GROUNDING PLANS.
- 10 mm X 600 mm SOLID COPPER AIR TERMINAL

KEYPLAN



GRAPHIC SCALE & NORTH ARROW



US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

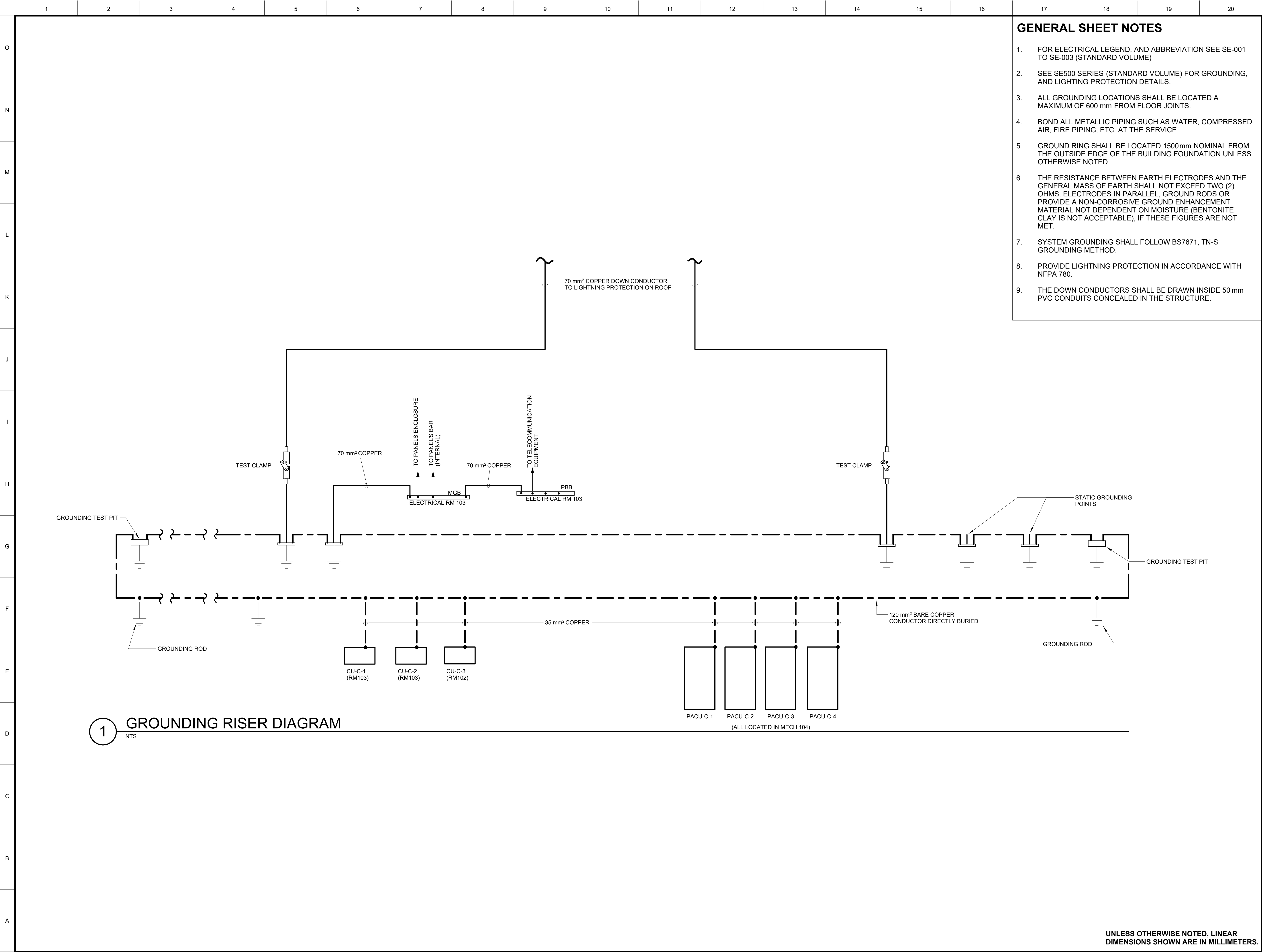
DESIGNED BY: N. HANNA	ISSUE DATE: JULY 2026
DRAWN BY: J. JENKINS	SOLICITATION NO.: W912ER26RA016
CHECKED BY: M. MAARROOF	CONTRACT NO.:
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/10/2026 10:58:28 AM
SIZE: ISO A1	FILE NAME: KU-509974-2C-EG111

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

ALI AL SALEM AB, KUWAIT
KMOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
LIGHTNING PROTECTION PLAN - ROOF

SHEET ID
C
EG111



GENERAL SHEET NOTES

- FOR ELECTRICAL LEGEND, AND ABBREVIATION SEE SE-001 TO SE-003 (STANDARD VOLUME)
- SEE SE500 SERIES (STANDARD VOLUME) FOR GROUNDING, AND LIGHTING PROTECTION DETAILS.
- ALL GROUNDING LOCATIONS SHALL BE LOCATED A MAXIMUM OF 600 mm FROM FLOOR JOINTS.
- BOND ALL METALLIC PIPING SUCH AS WATER, COMPRESSED AIR, FIRE PIPING, ETC. AT THE SERVICE.
- GROUND RING SHALL BE LOCATED 1500mm NOMINAL FROM THE OUTSIDE EDGE OF THE BUILDING FOUNDATION UNLESS OTHERWISE NOTED.
- THE RESISTANCE BETWEEN EARTH ELECTRODES AND THE GENERAL MASS OF EARTH SHALL NOT EXCEED TWO (2) OHMS. ELECTRODES IN PARALLEL, GROUND RODS OR PROVIDE A NON-CORROSIVE GROUND ENHANCEMENT MATERIAL NOT DEPENDENT ON MOISTURE (BENTONITE CLAY IS NOT ACCEPTABLE), IF THESE FIGURES ARE NOT MET.
- SYSTEM GROUNDING SHALL FOLLOW BS7671, TN-S GROUNDING METHOD.
- PROVIDE LIGHTNING PROTECTION IN ACCORDANCE WITH NFPA 780.
- THE DOWN CONDUCTORS SHALL BE DRAWN INSIDE 50 mm PVC CONDUITS CONCEALED IN THE STRUCTURE.



US Army Corps
of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	ISSUE DATE:
N. HANNA	JULY 2026
DRAWN BY:	SOLICITATION NO.:
J. JENKINS	W912ER26RA016
CHECKED BY:	CONTRACT NO.:
M. MAARROOF	
SUBMITTED BY:	PLOT DATE:
A. FREEMAN	7/10/2026 10:58:29 AM
SIZE:	FILE NAME:
ISO A1	KU-509974-2C-EG601

U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

ALI AL SALEM AB, KUWAIT
KMOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
GROUNDING RISER DIAGRAM

SHEET ID
C
EG601

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20					
	TELECOMMUNICATIONS																								
O	UNCLASSIFIED SYSTEMS OUTLETS										CONDUIT					TELECOM GENERAL NOTES					US Army Corps of Engineers®				
	SYMBOL		DESCRIPTION																		1. ALL SYMBOLS SHOWN ON THIS SHEET MAY NOT APPEAR ON CONTRACT DRAWINGS.				
N	▼ W	WALL PHONE OUTLET STAINLESS STEEL WALL PHONE PLATE WITH SIMPLEX STP RJ45 CATEGORY 6A KEYSTONE OUTLET MODULE, GREEN CATEGORY 6A F/UTP CABLE AND SYNTHETIC PULL TAPE, MOUNTED ON A 119mm SQUARE x 54mm DEEP STEEL BOX. 27mm STEEL CONDUIT TO CABLE TRAY OR DIRECTLY TO COMMUNICATIONS ROOM. MOUNT 1220mm AFF.								LADDER TYPE CABLE TRAY. SEE PLANS AND DETAILS FOR SIZES AND MOUNTING HEIGHTS.										2. ALL COMMUNICATIONS INSTALLATIONS AND EQUIPMENT SHALL MEET UFC 3-580-01 REQUIREMENTS.					
M	▼ WP	WEATHERPROOF WALL PHONE OUTLET STAINLESS STEEL WALL PHONE PLATE WITH SIMPLEX STP RJ45 CATEGORY 6A KEYSTONE OUTLET MODULE, GREEN CATEGORY 6A F/UTP CABLE AND SYNTHETIC PULL TAPE, MOUNTED IN A NEMA 4 OR IP66 ENCLOSURE. 27mm STEEL CONDUIT TO CABLE TRAY OR DIRECTLY TO COMMUNICATIONS ROOM. MOUNT 1220mm AFF.								WIRE MESH TYPE CABLE TRAY. SEE PLANS AND DETAILS FOR SIZES AND MOUNTING HEIGHTS.										3. THE CONTRACTOR SHALL TERMINATE AND TEST ALL COMMUNICATION CABLES PROVIDED BY THIS CONTRACT.					
L	▼	WORKSTATION QUADPLEX OUTLET PLATE WITH FOUR CATEGORY 6A STP OUTLET MODULES, FOUR CATEGORY 6A F/UTP GREEN CABLES, AND SYNTHETIC PULL TAPE, MOUNTED ON A 119mm SQUARE x 54mm DEEP STEEL BOX. MOUNT 450mm AFF UNLESS OTHERWISE NOTED. 27mm STEEL CONDUIT TO CABLE TRAY OR DIRECTLY TO COMMUNICATIONS ROOM.								PVC SURFACE MOUNTED RACEWAY (SMR) SIZED AS PER DRAWINGS.										4. COMMUNICATION BACK BOX SHALL BE 119mm X 119mm X 54mm UNLESS NOTED OTHERWISE.					
										FLOOR BOC, 3 SECTION, CONFERENCE ROOM 229 PILOT READINESS WITH TWO ELECTRICAL SWITCHED 13 AMP BRITISH OUTLETS AND ONE SIX PLEX DATA PLATE WITH TWO CATEGORY 6A F/UTP OUTLETS AND ASSOCIATED CABLES, TWO HDMI MODULES, AND ASSOCIATED HDMI CABLE AND TWO BLANK MODULES										5. FINAL LOCATIONS OF ALL TELECOMMUNICATIONS DEVICES AND RACEWAYS SHALL BE COORDINATED WITH ALL TRADES. CONTRACTOR TO ENSURE PROPER LOCATION AND CLEARANCES ARE MAINTAINED. FINAL LOCATIONS OF DEVICES AND RACEWAY TO BE COORDINATED WITH CONTRACTING OFFICER. CONTRACTOR TO COORDINATE ROUTING AND ELEVATIONS OF RACEWAYS AND LOCATIONS OF DEVICES WITH FINAL PRE ENGINEERED BUILDING DESIGN.					
K	▼ 2	WORKSTATION DUPLEX OUTLET PLATE WITH TWO CATEGORY 6A STP OUTLET MODULES, TWO CATEGORY 6A GREEN F/UTP CABLES, AND SYNTHETIC PULL TAPE, MOUNTED ON A 119mm SQUARE x 54mm DEEP STEEL BOX. MOUNT 150mm ABOVE THE COUNTER WORKSPACE UNLESS OTHERWISE NOTED. 27mm STEEL CONDUIT IN THE WALL TO CABLE TRAY OR DIRECTLY TO COMMUNICATIONS ROOM.																		PAGING SYSTEM					
										CAMERAS										SYMBOLDESCRIPTION					
J	▼ 2	WORKSTATION DUPLEX OUTLET PLATE WITH TWO CATEGORY 6A STP OUTLET MODULES, TWO CATEGORY 6A GREEN F/UTP CABLES IN PVC SURFACE MOUNTED RACEWAY IAW DRAWING PILOT READINESS TN608. MOUNT 150mm BELOW THE COUNTER WORK SURFACE UNLESS OTHERWISE NOTED.								INSIDE CCTV DOME CAMERA CONNECTED TO A SIMPLEX PLATE, ONE STP RJ45 CATEGORY 6A KEYSTONE OUTLET MODULE, ONE CATEGORY 6A GRAY F/UTP CABLE AND SYNTHETIC PULL TAPE, MOUNTED ON A 119mm SQUARE x 54mm DEEP STEEL BOX FOR IP CAMERAS. 27mm STEEL CONDUIT TO CABLE TRAY OR DIRECTLY TO COMMUNICATIONS ROOM.										SYMBOLDESCRIPTION					
I	▼ 2	WORKSTATION DUPLEX OUTLET PLATE WITH TWO CATEGORY 6A STP OUTLET MODULES, TWO CATEGORY 6A GREEN F/UTP CABLES IN PVC. MOUNT 1220mm ABOVE FINISHED FLOOR IN A 119mm SQUARE x 54mm DEEP STEEL BOX WITH 27mm STEEL CONDUIT SURFACE MOUNTED DIRECTLY TO COMMUNICATIONS ROOM								OUTSIDE CCTV DOME CAMERA CONNECTED TO A SIMPLEX PLATE, ONE STP RJ45 CATEGORY 6A KEYSTONE OUTLET MODULE, ONE CATEGORY 6A GRAY F/UTP CABLE AND SYNTHETIC PULL TAPE, MOUNTED ON AN INTERNAL 119mm SQUARE x 54mm DEEP STEEL BOX. CAMERA TO BE CONNECTED TO THE 119mm SQUARE BOX VIA WEATHERPROOF MOUNTING BOX, AND LIQUID TIGHT FLEXIBLE STEEL CONDUIT.										SYMBOLDESCRIPTION					
H	▼ P	PRINTER DUPLEX OUTLET PLATE WITH ONE CATEGORY 6A STP OUTLET MODULE, ONE BLANK MODULE WITH ONE CATEGORY GREEN 6A F/UTP CABLE, AND SYNTHETIC PULL TAPE, MOUNTED ON A 119mm SQUARE x 54mm DEEP STEEL BOX. MOUNT 450mm AFF UNLESS OTHERWISE NOTED. 27mm STEEL CONDUIT TO CABLE TRAY OR DIRECTLY TO COMMUNICATIONS ROOM.																		SYMBOLDESCRIPTION					
G	▼ TV	TELEVISION SIMPLEX DUPLEX OUTLET PLATE WITH ONE CATEGORY 6A STP OUTLET MODULE, ONE BLANK MODULE WITH ONE WHITE, CATEGORY 6A F/UTP CABLE, AND SYNTHETIC PULL TAPE, MOUNTED ON A 119mm SQUARE x 54mm DEEP STEEL BOX. MOUNT 2135mm AFF UNLESS OTHERWISE NOTED. 27mm STEEL CONDUIT TO CABLE TRAY OR DIRECTLY TO COMMUNICATIONS ROOM.								WORKSTATION DUPLEX OUTLET PLATE WITH TWO CATEGORY 6A STP OUTLET MODULES, TWO CATEGORY 6A RED F/UTP CABLES IN PVC SURFACE MOUNTED RACEWAY IAW DRAWING PILOT READINESS TN608. MOUNT 150 mm ABOVE THE COUNTER WORK SURFACE UNLESS OTHERWISE NOTED.										SYMBOLDESCRIPTION					
F	WAP	WIRELESS ACCESS POINT DUPLEX OUTLET PLATE WITH TWO CATEGORY 6A STP OUTLET MODULES, TWO CATEGORY 6A GREEN F/UTP CABLES AND SYNTHETIC PULL TAPE, MOUNTED ON A 119mm SQUARE x 54mm DEEP STEEL BOX. 27mm STEEL CONDUIT TO CABLE TRAY OR DIRECTLY TO COMMUNICATIONS ROOM, MOUNT PER THW IAW DRAWINGS.								PROTECTED ENTRANCE TERMINAL (PET). 25 PAIR (UNLESS OTHERWISE NOTED) WITH SOLID STATE PROTECTION UNITS.										CABLE COLOR CODES					
E	▼ CK	CLOCK OUTLET SIMPLEX OUTLET PLATE WITH ONE CATEGORY 6A STP OUTLET MODULE, ONE BLUE CATEGORY 6A F/UTP CABLE AND SYNTHETIC PULL TAPE, MOUNTED ON A 119mm SQUARE x 54mm DEEP STEEL BOX. 27mm STEEL CONDUIT TO CABLE TRAY OR DIRECTLY TO COMMUNICATIONS ROOM, MOUNT PER THE IAW DRAWINGS.																		GREEN - VOIP					
D	HDMI M	HDMI OUTLET, MONITOR ROOM 124 - DUPLEX PLATE WITH ONE HDMI OUTLET MODULE, ONE BLANK MODULE, WITH ONE HDMI CABLE, MOUNTED IN A 119mm SQUARE X 54mm DEEP OUTLET BOX. MOUNTED 2135mm AFF UNLESS OTHERWISE NOTED. CONNECT TO CABLE TRAY WITH 37mm IN WALL STEEL CONDUIT.																		RED - CLASSIFIED					
C	HDMI C	HDMI OUTLET CONFERENCE ROOM 229 PILOT READINESS BUILDING - DUPLEX PLATE WITH TWO HDMI CABLES, MOUNTED IN A 119mm SQUARE X 54mm DEEP OUTLET BOX. MOUNTED 2135mm AFF UNLESS OTHERWISE NOTED. CONNECT TO CABLE TRAY WITH 37mm IN WALL STEEL CONDUIT.																		BLUE - PUBLIC ADDRESS (PA), CLOCK					
B	TT	PRIMARY BONDNG BUSBAR - PBB SECONDARY BONDING BUSBAR - SBB SYMBOL REPRESENTS BOTH PBB & SBB. THE SPECIFIC TYPE WILL BE LABELED IN THE DRAWINGS																		GRAY - CCTV					
A																				WHITE - CATV					
																				UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.					

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



US Army Corps
of Engineers®

																					DATE
																					MARK

DESIGNED BY:
C. HOPKINS
DRAWN BY:
D. INGELS
CHECKED BY:
N. CAMPBELL
SUBMITTED BY:
A. FREEMAN
ISO 1A1

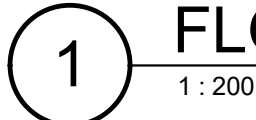
U.S. ARMY CORPS OF ENGINEERS
MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

ISSUE DATE:
JULY 2026
SOLICITATION NO.:
W912ER26RAD16
CONTRACT NO.:
PLOT DATE:
7/10/2026 8:30:45 AM
FILE NAME:
KU-509974-2C-T001

ALI AL SALEM AB, KUWAIT
KMOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
TELECOMMUNICATIONS LEGEND

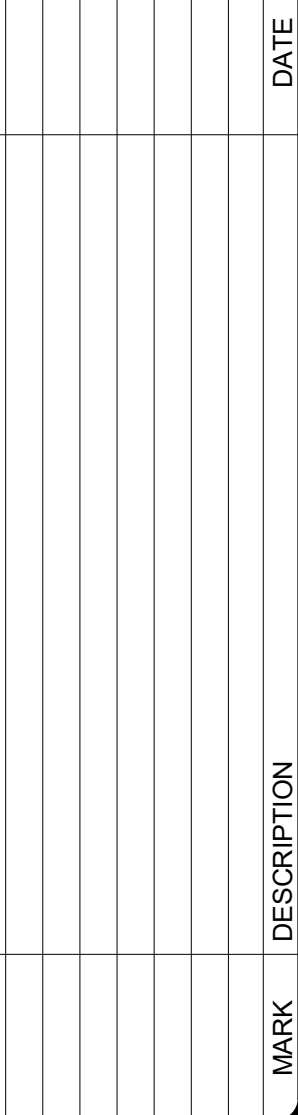
SHEET ID
C
T001





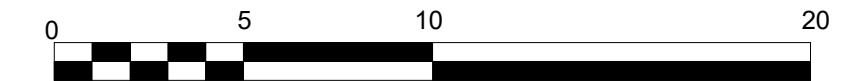
W

WALL PHONE OUTLET STAINLESS STEEL WALL PHONE PLATE WITH SIMPLEX STP RJ45 CATEGORY 6A KEYSTONE OUTLET MODULE, GRAY CATEGORY 6A F/UTP CABLE AND SYNTHETIC PULL TAPE, MOUNTED ON A 119mm SQUARE x 54mm DEEP STEEL BOX. 27mm STEEL CONDUIT TO CABLE TRAY OR DIRECTLY TO COMMUNICATIONS ROOM. MOUNT 1220mm AFF.



C. HOPKINS	JULY 2026
DRAWN BY: N.CAMPBELL	SOLICITATION NO.: W912ER2BRA016
CHECKED BY:	CONTRACT NO.:
D. INGLES	
SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/14/2026 1:10:11 PM
SIZE: ISO A1	FILE NAME: KU-509974-2C-TN101

MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602



UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.

KMOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

SHEET ID

C
TN101



1. JUNCTION BOX TO BE 300MM LONG X 150MM DEEP

- 1 INDIVIDUAL 27mm STEEL CONDUITS WITH CAT6A F/UTP CABLES TO OUTDOOR CAMERAS 1,2,4,5,7
- 2 INDIVIDUAL 27mm STEEL CONDUITS WITH CAT6A F/UTP CABLES TO INDOOR CAMERAS 3,6
- 3 INDIVIDUAL 27mm STEEL CONDUITS WITH CAT6A F/UTP CABLES TO PUBLIC ADDRESS HORNS
- 4 INDIVIDUAL 27mm STEEL CONDUITS WITH ONE CAT6A F/UTP CABLE TO WALL PHONE OUTLET
- 5 INDIVIDUAL 27mm STEEL CONDUITS WITH TWO (2) CAT6A F/UTP CABLES TO THE UNCLASSIFIED VOICE/DATA OUTLETS.

SHEET KEY NOTES

**UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.**

[illegible]

U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 WEST 10TH AVENUE, WINCHESTER, VA 22602	DESIGNED BY: C. G. KANS C. GAVIN D. INGLIS	ISSUE DATE: CONTRACT NO.: W912ER26RA018 CONTRACT NO.:	PLOT DATE: 17/2/2026 2:56:24 PM
	CHECKED BY: N. CAMPBELL	SUBMITTED BY: S. FREEMAN	FILE NAME: ISO A1_KU-509974-3C-TN402

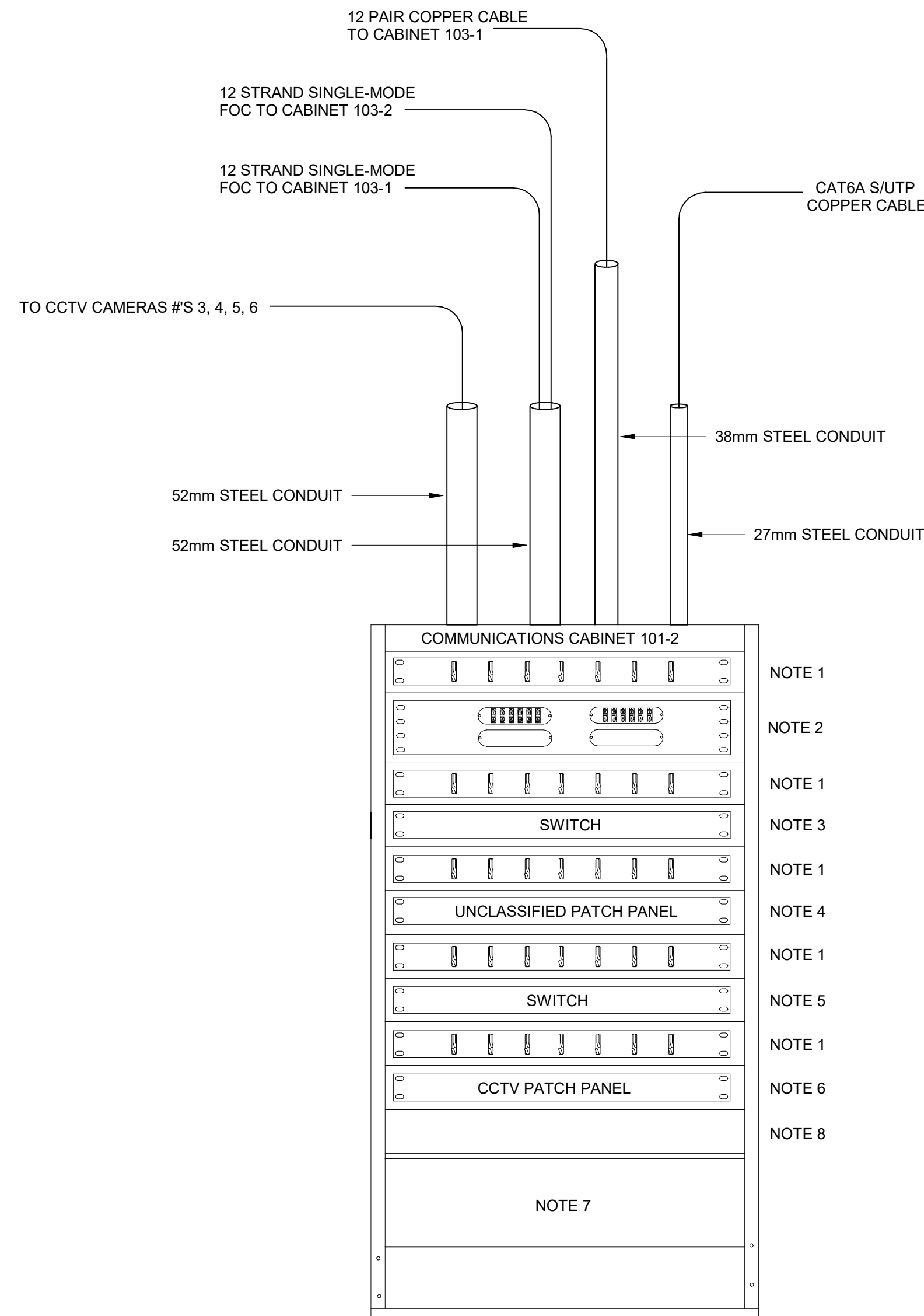
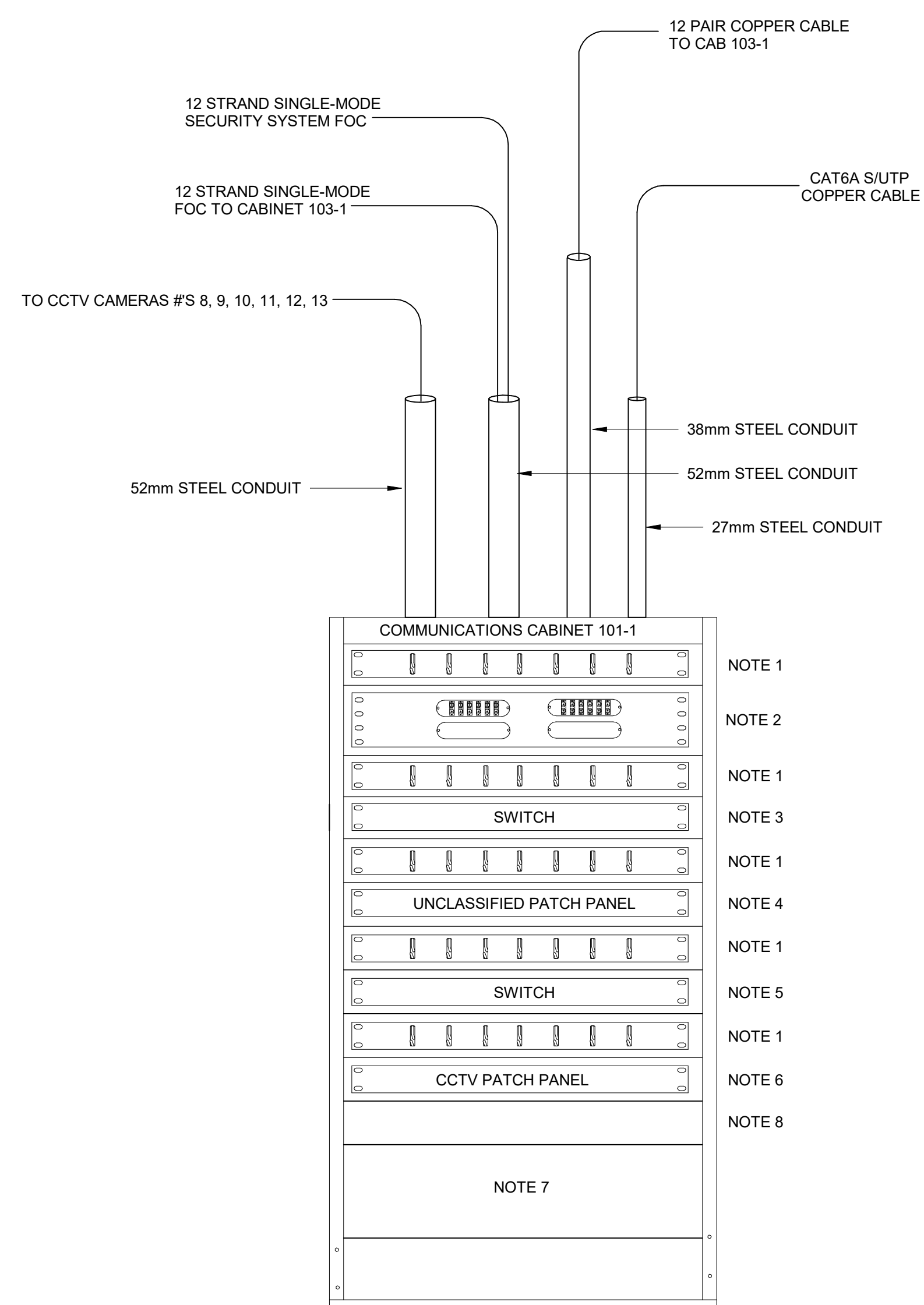
ALI AL SALEM AB, KUWAIT
KMOD - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

LOGISTICS READINESS CENTER
CCTV / PA / UNCLASSIFIED RISER DIAGRAMS

SHEET ID

C
TN402





1 COMMUNICATIONS SYSTEM CABINET / 101-1

2 COMMUNICATIONS SYSTEM CABINET / 101-2
NTS

GENERAL NOTES

NOTE 1: ALL FIBERS ARE TO BE FUSION SPLICED TO SINGLE MODE PIGTAILS WITH A MAXIMUM LOSS OF .02 dB AS MEASURED BY THE SPLICING MACHINE AND .2 dB AS MEASURED BY AN OTDR. CONTRACTOR IS TO PROVIDE ONE (1) 1-METER-LONG SINGLE MODE DUPLEX LC-LC UPC PATCH CORD PER DUPLEX CONNECTOR ON THE CONNECTOR PANEL. PRINTED RESULTS FROM THE FUSION SPLICING MACHINE ARE TO BE PROVIDED IN THE TEST RESULTS.

NOTE 2: 26 RMU CABINETS TO BE 3 SECTION, WALL MOUNTED
SWING OUT, 910mm HIGH, x 610mm W x 610mm DEEP.

NOTE 3: CABINETS ARE MOUNTED ON WALLS OF SHELTER/HANGAR AREA

SHEET NOTES

COMMUNICATIONS SYSTEM CABINET 101-1

NOTE 1: ONE (1) 1 RMU CABLE MANAGEMENT BAR

NOTE 2: ONE (1) TWO (2) RMU HIGH CABINET INTERCONNECT CABLE FIBER OPTIC COMBINATION UNIT, (FOCU) WITH A MINIMUM CAPACITY OF FOUR (4) CONNECTOR PANELS. THE FOCUS WILL BE EQUIPPED WITH TWO (2) SINGLE MODE FIBER OPTIC CONNECTOR PANELS, EQUIPPED WITH SIX (6) DUPLEX SINGLE MODE LC CONNECTORS FOR THE TWELVE STRAND UNCLASSIFIED SYSTEM FIBER CABLE FROM CABINET 103-1 AND THE 12 STRAND SINGLE MODE SECURITY SYSTEM FIBER FROM CAB 103-02 AND TWO BLANK PANELS.

NOTE 3: UNCLASSIFIED SYSTEM COMBINED VOICE/DATA,
AND PA DISTRIBUTION SWITCH.

NOTE 4: ONE RMU 24 PORT CATEGORY 6A STP COPPER PATCH PANEL FOR COMBINED UNCLASSIFIED VOICE/DATA AND PA SPEAKER CONNECTIONS.

NOTE 5 : CCTV DISTRIBUTION SWITCH.

NOTE 6: ONE RMU 24 PORT CATEGORY 6A STP COPPER PATCH PANEL FOR CCTV POE CAMERAS.

NOTE 7: 1 Kw UPS WITH BATTERY BACK UP TO PROVIDE FULL LOAD FOR A MINIMUM OF 30 MINUTES FOR THE EQUIPMENET IN THE CABINET.

COMMUNICATIONS SYSTEM CABINET 101-2

NOTE 1: ONE (1) 1 RMU CABLE MANAGEMENT BAR

NOTE 2: ONE (1) TWO (2) RMU HIGH CABINET INTERCONNECT CABLE FIBER OPTIC COMBINATION UNIT, (FOCU) WITH A MINIMUM CAPACITY OF FOUR (4) CONNECTOR PANELS. THE FOCU WILL BE EQUIPPED WITH TWO (2) SINGLE MODE FIBER OPTIC CONNECTOR PANELS, EQUIPPED WITH SIX (6) DUPLEX SINGLE MODE LC CONNECTORS FOR THE TWELVE STRAND UNCLASSIFIED SYSTEM FIBER CABLE FROM CABINET 103-1 AND THE 12 STRAND SINGLE MODE SECURITY SYSTEM FIBER FROM CAB 103-02 AND TWO BLANK PANELS

NOTE 3: UNCLASSIFIED SYSTEM COMBINED VOICE/DATA AND PA DISTRIBUTION SWITCH.

NOTE 4: ONE RMU 24 PORT CATEGORY 6A STP COPPER PATCH PANEL FOR COMBINED UNCLASSIFIED VOICE/DATA AND PA SPEAKER CONNECTIONS.

NOTE 5 : CCTV DISTRIBUTION SWITCH.

NOTE 6: ONE RMU 24 PORT CATEGORY 6A STP COPPER PATCH PANEL FOR CCTV POE CAMERAS.

NOTE 7: 1 Kw UPS WITH BATTERY BACK UP TO PROVIDE FULL LOAD FOR A MINIMUM OF 30 MINUTES FOR THE EQUIPMENT IN THE CABINET.

NOTE 8: 25 PAIR COPPER PATCH PANEL FOR THE 12 PAIR
COPPER CABLES TO CABINET 103-1.

UNLESS OTHERWISE NOTED, LINEAR
DIMENSIONS SHOWN ARE IN MILLIMETERS.

[illegible]

C. TITLING DRAWN BY: N CAMPBELL CHECKED BY: D. INGLES SUBMITTED BY: A. FREEMAN SIZE: ISO A1	SOLICITATION NO.: W912ER2BRA016 CONTRACT NO.: PLOT DATE: 7/10/2026 8:30:47 AM FILE NAME: KU-509974-2C-502
---	---

MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

KNOCU - KUWAIT AIR FORCE
KUWAIT APACHE ALERT FACILITIES
KU-509974-2

SHEET ID
C
TN502



1. 26 RMU CABINET
2. 24 PORT STP UNCLASSIFIED SYSTEM (VOICE/DATA,) BUILDING DISTRIBUTION SWITCH AND PATCH PANEL.
3. 24 PORT STP UNCLASSIFIED PAGING DISTRIBUTION SWITCH AND PATCH PANEL FOR SPEAKERS
4. PAGING INTERFACE AND AMPLIFIER UNIT
5. TWO CATEGORY 6A F/UTP CABLES IN 27mm CONDUIT, DUPLEX RJ45 CATEGORY 6A OUTLET.
6. ONE CATEGORY 6A F/UTP CABLE IN 27mm CONDUIT, SIMPLEX WALL PHONE RJ45 CATEGORY 6A OUTLET.
7. ONE CATEGORY 6A F/UTP CABLE IN 27mm CONDUIT, TO SIMPLEX RJ45 CATEGORY 6A OUTLET FOR PA SPEAKER. INDIVIDUAL CABLES/CONDUIT FOR SPEAKERS 1-9.
8. 12 STRAND SINGLE MODE RISER CABLE AND 12 PAIR COPPER RISER CABLE.
9. 24 PORT STP UNCLASSIFIED SYSTEM (COMBINED VOICE/DATA AND PAGING,) BUILDING DISTRIBUTION SWITCH AND PATCH PANEL.
10. ONE CATEGORY 6A F/UTP CABLE IN 27mm CONDUIT, TO SIMPLEX RJ45 CATEGORY 6A OUTLET FOR PA SPEAKER. INDIVIDUAL CABLES/CONDUIT FOR SPEAKERS 10-18.
11. ONE CATEGORY 6A F/UTP CABLE IN 27mm CONDUIT, TO SIMPLEX RJ45 CATEGORY 6A OUTLET FOR PA SPEAKER. INDIVIDUAL CABLES/CONDUIT FOR SPEAKERS 19-30.
12. 24 PORT STP CCTV SYSTEM DISTRIBUTION SWITCH AND PATCH PANEL
13. ONE CATEGORY 6A F/UTP CABLE IN 27mm CONDUIT, TO SIMPLEX RJ45 CATEGORY 6A OUTLET FOR PA SPEAKER. INDIVIDUAL CABLES/CONDUIT FOR CAMERAS 1,2,7,14.
14. ONE CATEGORY 6A F/UTP CABLE IN 27mm CONDUIT, TO SIMPLEX RJ45 CATEGORY 6A OUTLET FOR PA SPEAKER. INDIVIDUAL CABLES/CONDUIT FOR CAMERAS 3,4,5,6.
15. ONE CATEGORY 6A F/UTP CABLE IN 27mm CONDUIT, TO SIMPLEX RJ45 CATEGORY 6A OUTLET FOR PA SPEAKER. INDIVIDUAL CABLES/CONDUIT FOR CAMERAS 8,9,10,11,12,13.

 US Army Corps of Engineers®			
U.S. ARMY CORPS OF ENGINEERS MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602		DESIGNED BY: C. HOPKINS	ISSUE DATE: JULY 2026
		DRAWN BY: C. O'BANNON	SOLICITATION NO.: W912ER26RA016
		CHECKED BY: N. CAMPBELL	CONTRACT NO.:
		SUBMITTED BY: A. FREEMAN	PLOT DATE: 7/22/2026 2:58:24 PM
		SIZE: ISO A1	FILE NAME: KU-509874-2C-TN601

AL JAL SALEM AB, KUWAIT KNO3 - KUWAIT AIR FORCE KUWAIT APACHE ALERT FACILITIES KU-509874-2	LOGISTICS READINESS CENTER UNCLASSIFIED RISER DIAGRAM
---	--

SHEET ID C TN601
