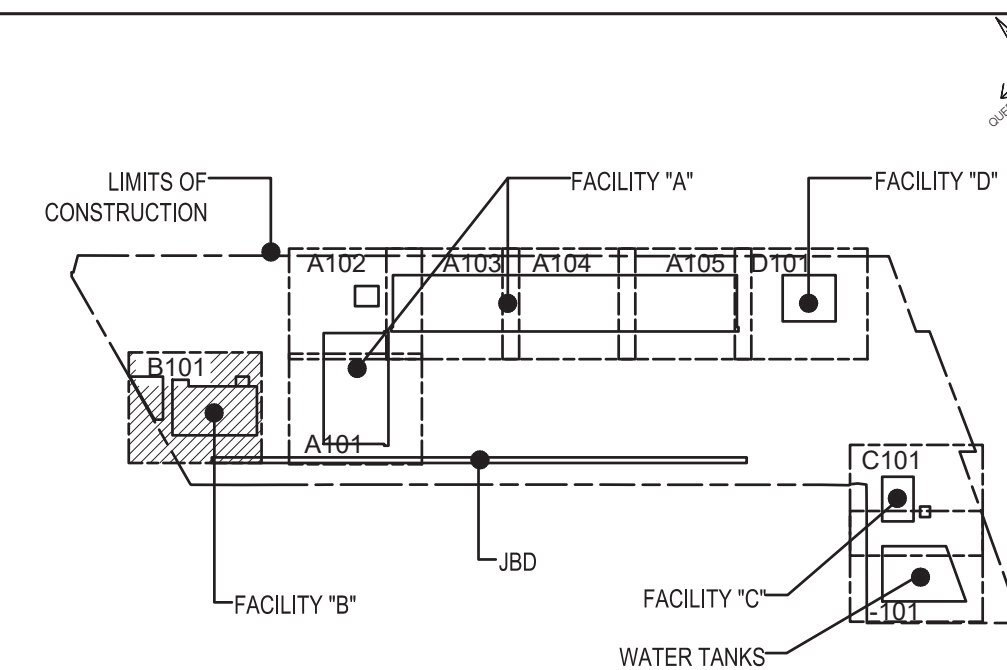




1. DRAWING SHOULD NOT BE SCALED.FOLLOW WRITTEN DIMENSIONS ONLY.
2. ALL REINFORCED BARS SHALL BE DEFORMED HIGH STRENGTH AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 420MPA.
3. REINFORCED CONCRETE SHALL HAVE A MINIMUM 28 DAYS CYLINDRICAL COMPRESSIVE STRENGTH $f_c=34$ MPa.
4. ALL BLINDING CONCRETE SHALL HAVE A MINIMUM 28 DAYS CYLINDRICAL COMPRESSIVE STRENGTH $f_c=20$ MPa.
5. ALL COLUMNS ARE CONCENTRIC WITH GRID LINES & FOOTINGS UNLESS NOTED OTHERWISE.
6. BOTTOM OF FOUNDATIONS ELEVATION = -2500mm. REFER TO CIVIL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
7. FOR STRUCTURAL ELEMENTS SCHEDULES,REFER DWG.NO S-600 & XST-600.
8. REFER TO SS-501 AND SS-502 FOR TYPICAL MASONRY DETAILS.
9. REFER TO S-505 FOR TYPICAL TRASH ENCLOSURE DETAILS.
10. SEE DIM AND DWGS FOR FLOOR PLAN LOCATIONS - REFER TO GENERAL NOTE #8 FOR ADDITIONAL SLAB PENETRATION.
11. REFER TO ARCH AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF SLAB PENETRATIONS.

KEY PLAN



LEGEND

DIM. NOTE & NORTH



GRAPHIC SCALE 1:100
UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE
IN MILLIMETERS. LEVELS ARE NOTED IN MILLIMETERS,



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ISSUE DATE:	SEPTEMBER 2022
SOLICITATION NO.:	W912ER21R0020
CONTRACT NO.:	W912ER22C0026
PLOT DATE:	2022-09-21
DESIGNED BY:	J. GODWIN
DRAWN BY:	J. J. HIERGEIST
CHECKED BY:	M. M. ALJUBOORI
SUBMITTED BY:	C. CHASTEN
SIZE:	ANSI D
FILENAME:	UE-401070B-SF100PN.dwg

U.S. ARMY CORPS OF ENGINEERS
TRANSATLANTIC MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE.

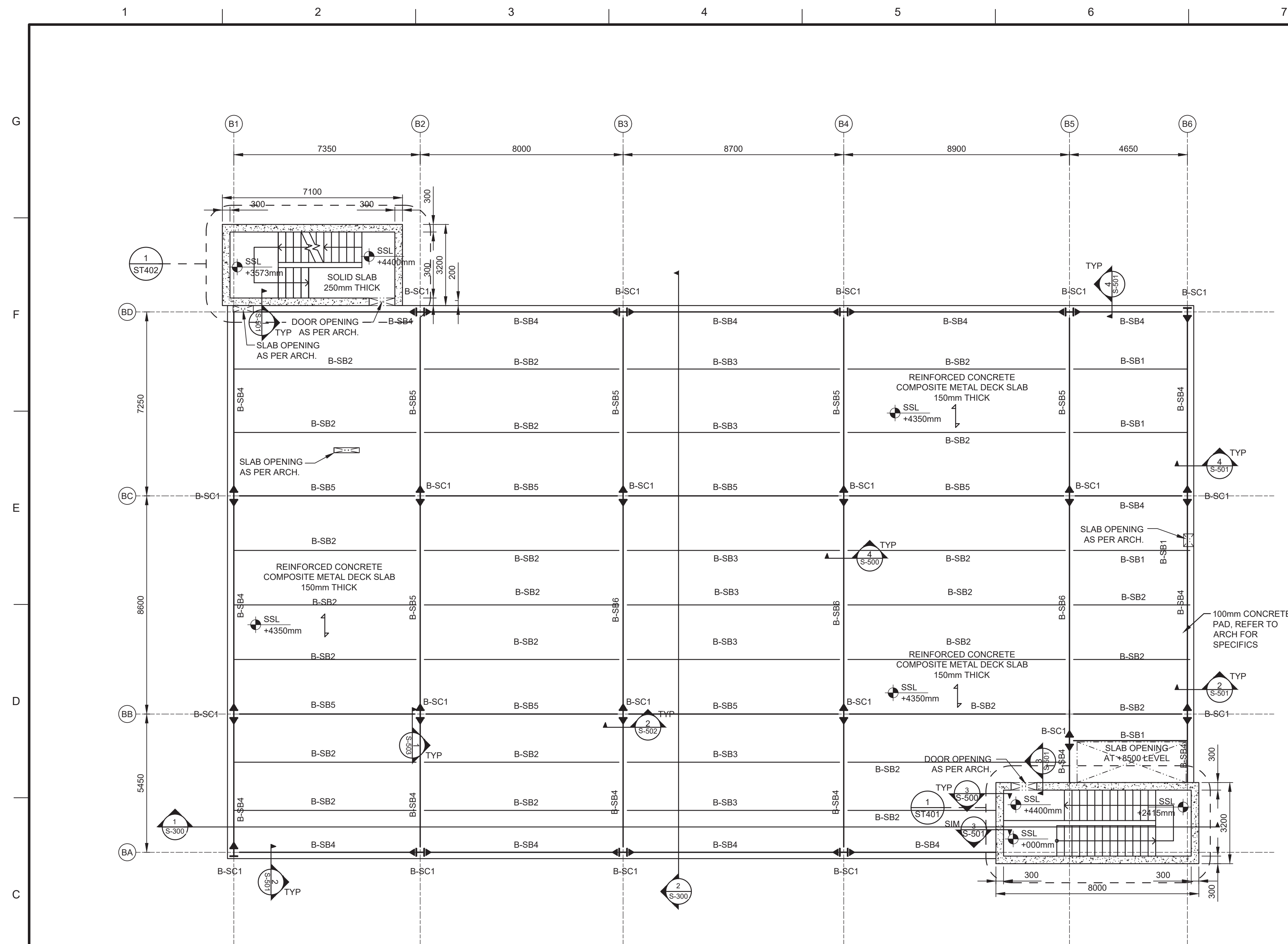
PHILADELPHIA DISTRICT
100 EAST PENN SQUARE
PHILADELPHIA, PA 19107

AL DHAFRA AIR BASE (ADAB), UAE
U.S.NAVY
P-960 TRITON OPERATIONAL FACILITY

FACILITY "B"
STRUCTURAL FLOOR PLANS
GROUND FLOOR PLAN

SHEET ID

B
SF100

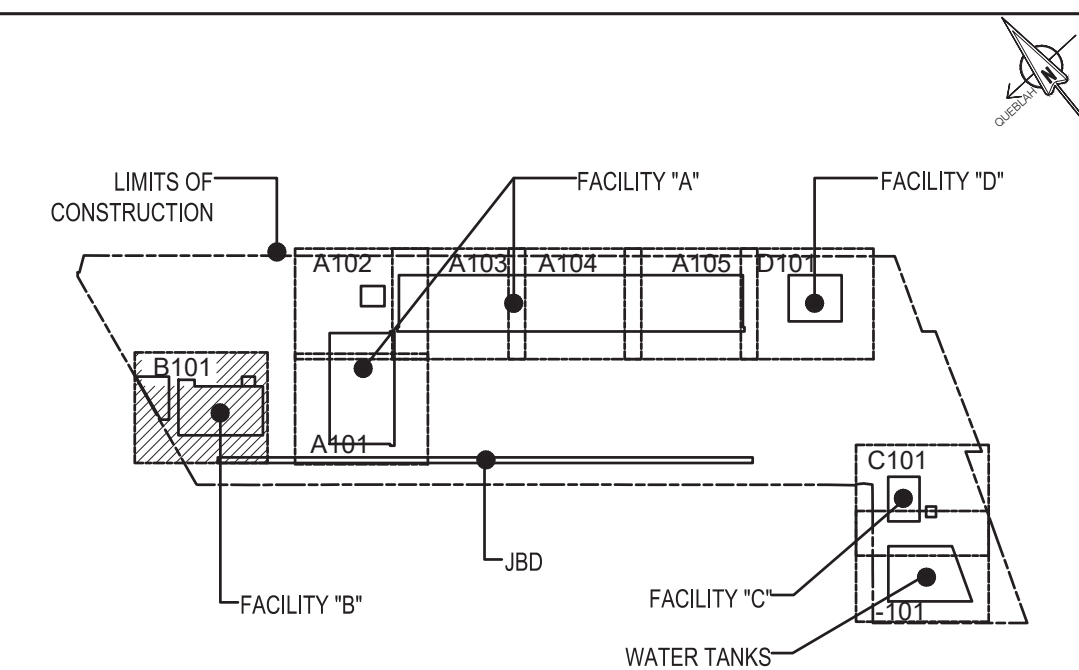


1 FIRST FLOOR FRAMING PLAN

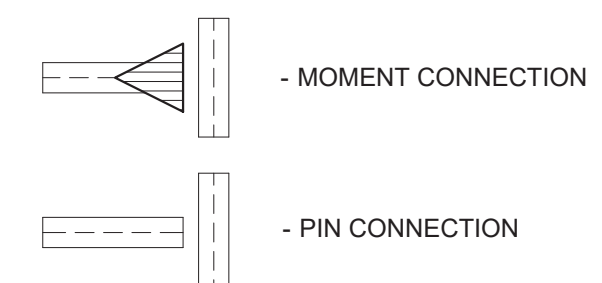
GENERAL SHEET NOTES

1. DRAWING SHOULD NOT BE SCALED.FOLLOW WRITTEN DIMENSIONS ONLY.
2. ALL REINFORCED BARS SHALL BE DEFORMED HIGH STRENGTH AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 420MPA.
3. REINFORCED CONCRETE SHALL HAVE A MINIMUM 28 DAYS CYLINDRICAL COMPRESSIVE STRENGTH $f_c=34.5\text{MPa}$.
4. ALL BLINDING CONCRETE SHALL HAVE A MINIMUM 28 DAYS CYLINDRICAL COMPRESSIVE STRENGTH $f_c=20\text{MPa}$.
5. ALL COLUMNS ARE CONCENTRIC WITH GRID LINES & FOOTINGS UNLESS NOTED OTHERWISE.
6. FOR STRUCTURAL ELEMENTS SCHEDULES REFER DWG NO S-600 & XST-600
7. COORDINATE LOCATIONS AND SIZES OF FLOOR PENETRATION WITH MECHANICAL , FIRE PROTECTION, PLUMBING AND ELECTRICAL DRAWINGS AND ALL EQUIPMENT PROVIDED.
8. COMPOSITE METAL DECK PROPERTIES:
 - A. 75mm MINIMUM DEPTH, 1.0mm MINIMUM THICKNESS W/ 75mm NORMAL WEIGHT CONCRETE TOPPING (150mm TOTAL THICKNESS) REINFORCED WITH T10@200 EACH WAY.
 - B. DECK MOMENT OF INERTIA 178.2mm MINIMUM.
 - C. LOAD CAPACITY 12.5Kpa. MINIMUM FOR 2.5 METER MULTI-SPAN CONDITION.
 - D. PROVIDE 18DIA PUDDLE WELDS @ 300 O.C AT SIDE LAPS AND ALL CONNECTIONS TO SUPPORT STEEL.
 - E. FIRE RATING: 1 HOUR.
9. REFER TO DETAIL 3/S-500 FOR TYPICAL STEEL BEAM CONNECTION TO CONCRETE WALL.
10. REFER TO DETAIL 4/S-500 FOR TYPICAL STEEL BEAM-GIRDER SHEAR CONNECTION.
11. REFER TO DETAIL 1/S-501 FOR TYPICAL DECK DETAIL AT CONCRETE WALL.
12. REFER TO DETAIL 2/S-501 FOR TYPICAL BRACING OF MASONRY WALL AT BEAM LEVEL.
13. REFER TO DETAIL 3/S-501 FOR TYPICAL DECK BEARING ON STEEL ANGLE NEAR STAIRWELLS.
14. REFER TO DETAIL 1/S-502 FOR TYPICAL SHEAR PLATE CONNECTION.
15. REFER TO DETAIL 2/S-502 FOR TYPICAL DOUBLE ANGLE CONNECTION.
16. REFER TO DETAIL 1/S-503 FOR TYPICAL MOMENT CONNECTION WHERE BEAM CONNECTED TO COLUMN FLANGE.
17. REFER TO SHEET S504 FOR TYPICAL COLD-FORMED DETAILS.
18. REFER TO SHEET SS-501 FOR MASONRY WALL REINFORCEMENT.
19. REFER TO SHEET SS-502 FOR TYPICAL MASONRY DETAILS.
20. REFER TO DETAIL 13/SS-505 FOR TYPICAL SHEAR STUD DETAIL.
21. SEE PLUMBING DWGS FOR FLOOR DRAIN LOCATIONS - REFER TO GENERAL NOTE #8 FOR ADDITIONAL SLAB PENETRATION.
22. BOTTOM OF FOUNDATIONS ELEVATION = -2500mm. REFER TO CIVIL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
23. REFER TO ARCH AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF SLAB PENETRATIONS.

KEY PLAN



LEGEND

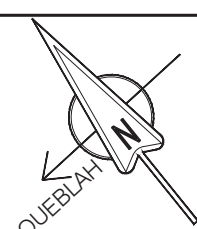


* STRUCTURAL STEEL GRADE IS ASTM A572M

DIM. NOTE & NORTH



GRAPHIC SCALE 1:100
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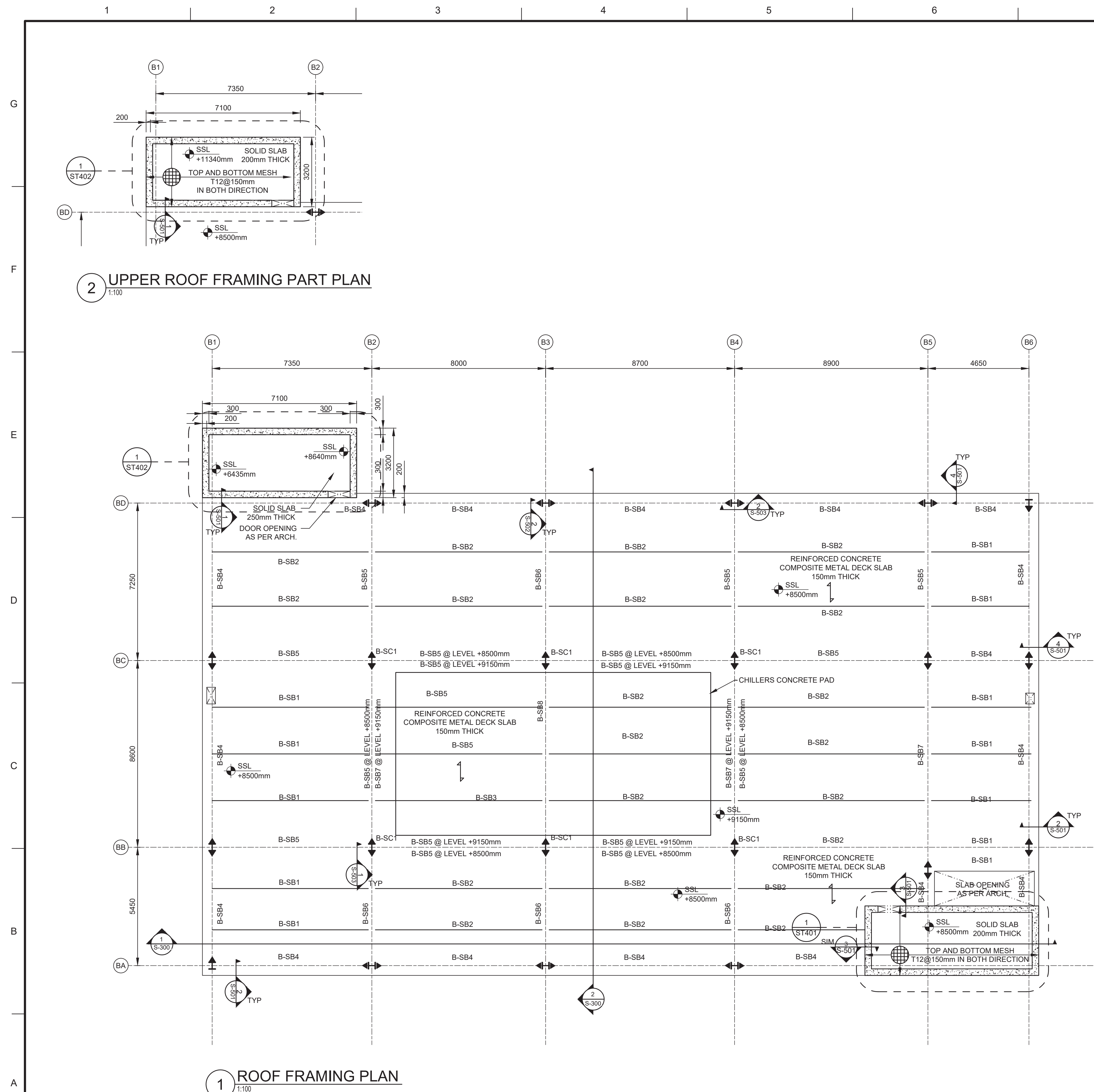
U.S. ARMY CORPS OF ENGINEERS TRANSATLANTIC MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602		DESIGNED BY: J. GOWIN	ISSUE DATE: SEPTEMBER 2022
		DRAWN BY: J. HERGEIST	SOLICITATION NO.: W912ER21R0020
		CHECKED BY: M. ALJBOORI	CONTRACT NO.: W912ER22C0026
		SUBMITTED BY: C. CHASTEN	PLOT DATE: 2022-09-21
SIZE: A3	FILENAME: DE-4010702B-SF101PN.dwg		

AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UE-401070

FACILITY "B"
STRUCTURAL FLOOR PLANS
FIRST FLOOR FRAMING PLAN

SHEET ID

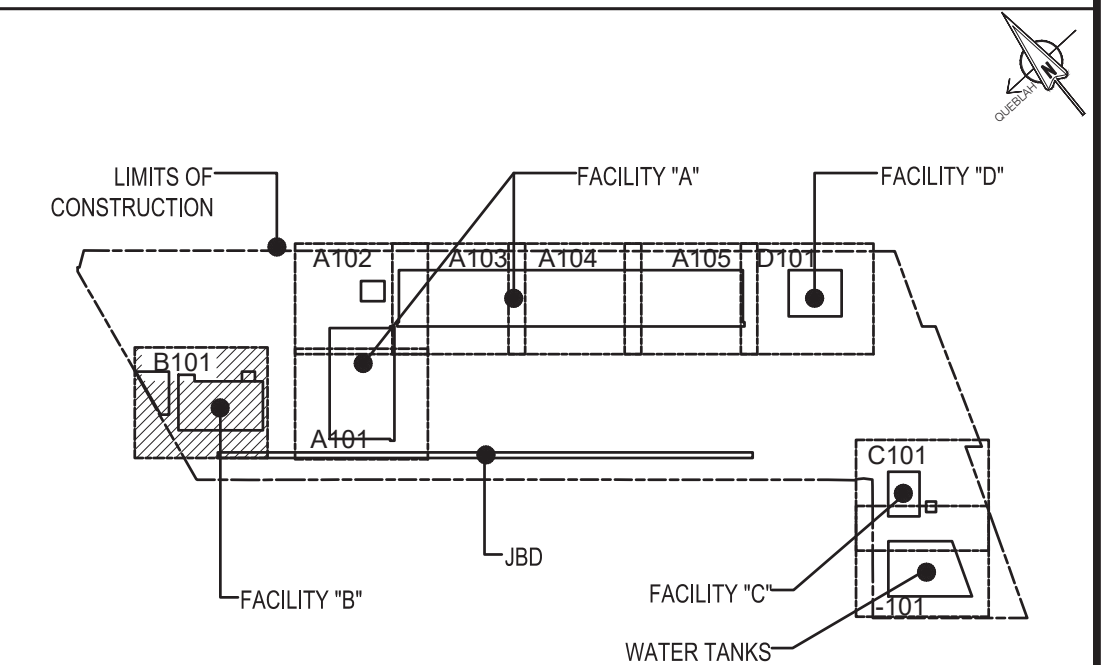
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SF101



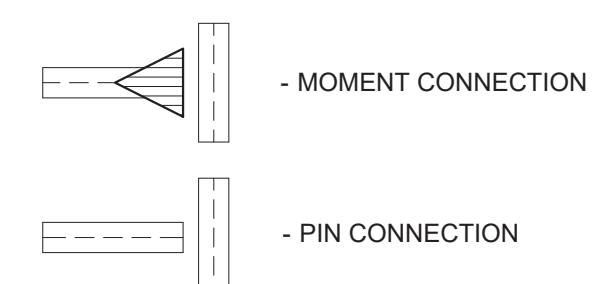
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 - A. 75mm MINIMUM DEPTH, 1.0mm MINIMUM THICKNESS W/ 75mm NORMAL WEIGHT CONCRETE TOPPING (150mm TOTAL THICKNESS) REINFORCED WITH T10@200 EACH WAY.
 - B. DECK MOMENT OF INERTIA 178.2mm MINIMUM.
 - C. LOAD CAPACITY 12.5kpa. MINIMUM FOR 2.5 METER MULTI-SPAN CONDITION.
 - D. PROVIDE 16DIA PUDDLE WELDS @ 300 O.C AT SIDE LAPS AND ALL CONNECTIONS TO SUPPORT STEEL.
9. E. FIRE RATING: 1 HOUR.
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14. REFER TO DETAIL 1/S-502 FOR TYPICAL SHEAR PLATE CONNECTION.
15. REFER TO DETAIL 2/S-502 FOR TYPICAL DOUBLE ANGLE CONNECTION.
16. REFER TO DETAIL 1/S-503 FOR TYPICAL MOMENT CONNECTION WHERE BEAM CONNECTED TO COLUMN FLANGE.
17. REFER TO SHEET S504 FOR TYPICAL COLD-FORMED DETAILS.
18. REFER TO SHEET SS-501 FOR MASONRY WALL REINFORCEMENT.
19. REFER TO SHEET SS-502 FOR TYPICAL MASONRY DETAILS.
20. CHILLER PAD DIMENSIONS AND THICKNESS SHALL BE COORDINATED WITH SUPPLIER. CHILLER PAD THICKNESS SHALL NOT EXCEED 150mm.
21. REFER TO DETAIL 1/SS-505 FOR TYPICAL SHEAR STUD DETAIL.
22. REFER TO ARCH AND PLUMBING DRAWINGS FOR ROOF SLOPES AND FLOOR DRAIN LOCATIONS.
23. SEE PLUMBING DWGS FOR FLOOR DRAIN LOCATIONS - REFER TO GENERAL NOTE #8 FOR ADDITIONAL SLAB PENETRATION.
24. BOTTOM OF FOUNDATIONS ELEVATION = -2500mm. REFER TO CIVIL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
25. REFER TO ARCH AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF SLAB PENETRATIONS.

KEY PLAN



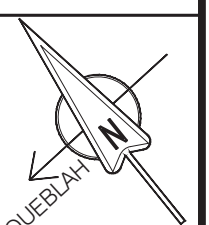
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DIM. NOTE & NORTH



GRAPHIC SCALE 1:100
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TRANSACT NO.: 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22682	DRAWN BY: J. HERGEIST	SOLICITATION NO.: W912ER17R0020
	CHECKED BY: M. ALJUBOORI	CONTRACT NO.: W912ER22C0026
	SUBMITTED BY: C. CHASTEN	PLOT DATE: 2022-09-21
	SIZE:	FILENAME:
	ANSI D	UE407010B-SF-gppn.dwg

201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

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WINCHESTER, VA 22602

U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UF-401070

U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
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U.S. NAVY
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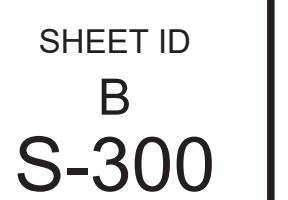
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UF-401070

U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UF-401070

SHEET ID
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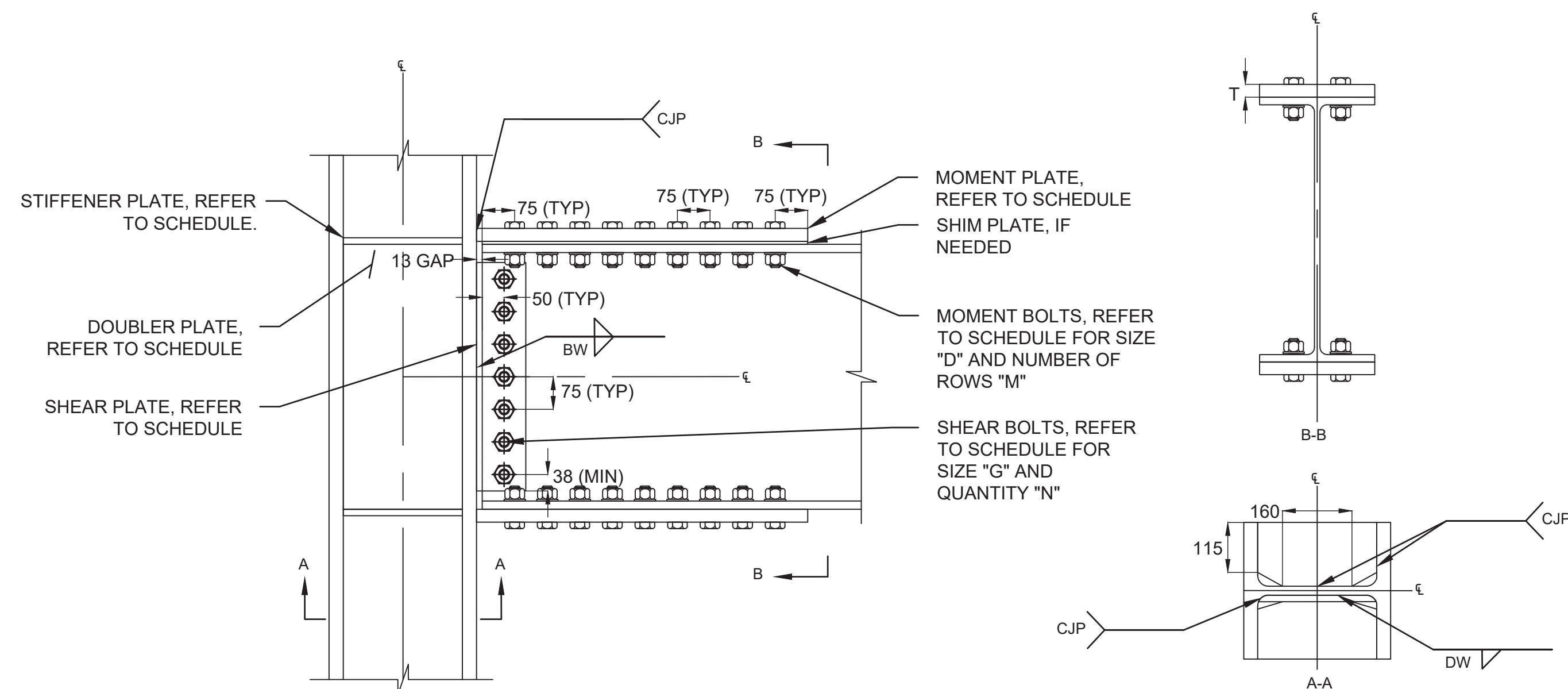
E

D

C

B

A



WIDE-FLANGE TYPICAL MOMENT CONNECTION										
BEAM DEPTH	SHEAR PLATE DETAILS				T & B MOMENT PLATES			STIFFENER	DOUBLER	
	PLATE	BW	G	N	T	D	M	PLATE THICKNESS	PLATE THICKNESS	DW
W533	15X120X457	6	20	6	40	20	7	13	-	-
W606	15X120X534	6	20	7	45	22	7	15	-	-
W613	15X120X527	6	20	7	45	22	7	15	-	-
W616	15X120X527	8	22	7	55	22	9	20	-	-
W692	25X120X530	10	24	7	60	24	10	30	15	8

NOTE :

1. ALL DIMENSIONS ARE IN MM, UNO.
2. ALL STEEL MOMENT PLATES ARE A572 (345MPa).
3. ALL STEEL SHEAR STIFFENERS AND DOUBLER PLATES ARE A36 (250MPa).
4. ALL MOMENT PLATE BOLTS ARE A490M-X.
5. ALL SHEAR PLATE BOLTS ARE A325M-X.
6. FILLET WELD SIZE SHALL BE AS INDICATED UNLESS A GREATER SIZE IS REQUIRED BY AISC TABLE J2.4.

1 MOMENT CONNECTION - COLUMN FLANGE

GENERAL SHEET NOTES

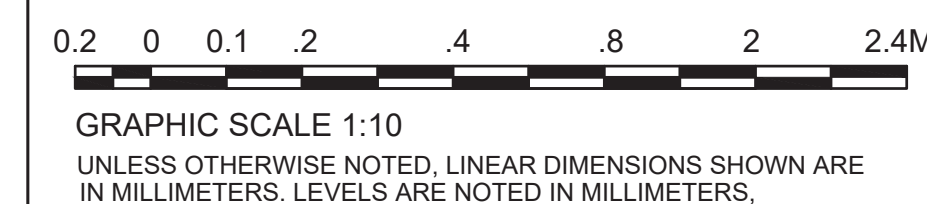
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3. REINFORCEMENT OF CONCRETE SHALL HAVE A MINIMUM 28 DAYS CYLINDRICAL COMPRESSIVE STRENGTH f_{cc} 34.5 MPa.
4. ALL BLINDING CONCRETE SHALL HAVE A MINIMUM 28 DAYS CYLINDRICAL COMPRESSIVE STRENGTH f_{cc} 20MPa.
5. ALL PROVIDED STEEL CONNECTION DETAILS ARE INDICATIVE ONLY. STEEL FABRICATOR SHALL PROVIDE DETAILED DESIGN FOR ALL STEEL CONNECTIONS FOR ENGINEER'S APPROVAL.

 SHEET KEYNOTES

KEY PLAN

LEGEND

DIM. NOTE & NORTH



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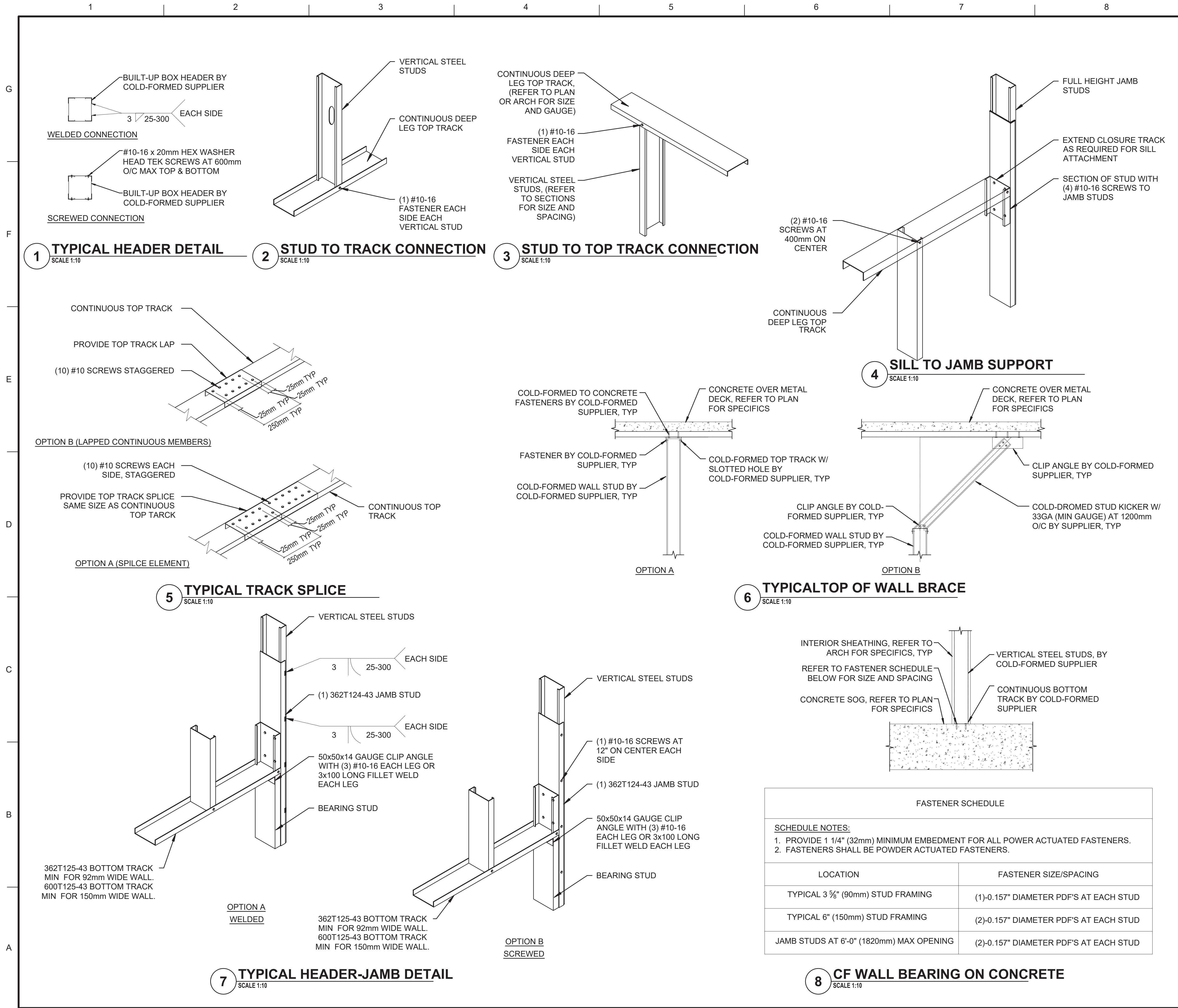
U.S. ARMY CORPS OF ENGINEERS TRANSATLANTIC MIDDLE EAST DISTRICT 201 WINCHESTER DRIVE, WINCHESTER, VA 22602	DESIGNED BY: DRAWN BY: CHECKED BY: SUBMITTED BY: C. CHASTEN M. ALJUBORI	ISSUE DATE: SOLICITATION NO.: CONTRACT NO.: PLOT DATE:	2022-09-21 W912ER21R0020 W912ER22C0026 2022-09-21
PHILADELPHIA DISTRICT 100 EAST PENN SQUARE PHILADELPHIA, PA 19107	LEAVENUE ANSLD	IFC-401207R-5-00071 dwo	

AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY

FACILITY "B"
STRUCTURAL DETAILS
STEEL CONNECTION

SHEET ID

SHEET ID
B
S-503



GENERAL SHEET NOTES

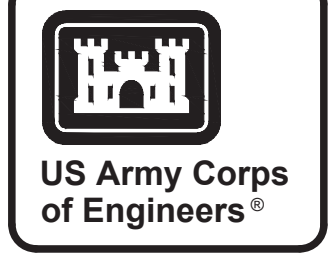
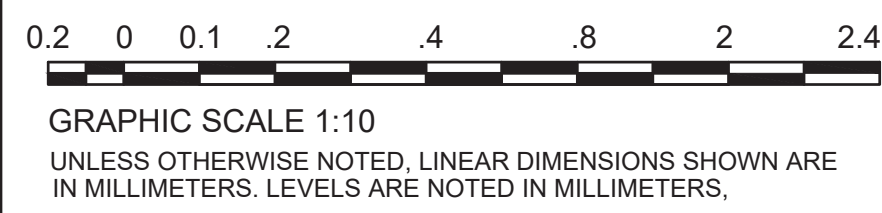
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- ALL BLINDING CONCRETE SHALL HAVE A MINIMUM 28 DAYS CYLINDRICAL COMPRESSIVE STRENGTH $f'_c=20$ MPA.
- ALL PROVIDED STEEL CONNECTION DETAILS ARE INDICATIVE ONLY. STEEL FABRICATOR SHALL PROVIDE DETAILED DESIGN FOR ALL STEEL CONNECTIONS FOR ENGINEER'S APPROVAL.
- MINIMUM SIZE OF 3 5/8" (90mm) STUDS ARE = 362S200-97(33).
- MINIMUM SIZE OF 6" (150mm) STUDS ARE = 600S162-54(33).
- SIZES AND GRADES OF STUDS, TRACKS, BRACES, ETC. SHOWN IN DETAILS ARE MINIMUM. CONTRACTOR SHALL SUBMIT CALCULATIONS STAMPED BY REGISTERED PROFESSIONAL ENGINEER FOR ALL COLD-FORMED COMPONENTS.
- SIZES, QUANTITIES AND SPACING OF COLD-FORMED CONNECTIONS SHOWN IN DETAILS ARE MINIMUM.
- STUDS DESIGN SHALL INCLUDE, BUT NOT LIMITED TO, MEP, EQUIPMENT AND ANY APPLIANCES THAT COULD BE SUPPORTED BY COLD-FORMED WALL SYSTEM.

SHEET KEYNOTES

KEY PLAN

LEGEND

DIM. NOTE & NORTH



DATE	DESCRIPTION	MARK

ISSUE DATE: SEPTEMBER 2022	DESIGNED BY: M. ALJUBORI	U.S. ARMY CORPS OF ENGINEERS TRANSATLANTIC MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	PHILADELPHIA DISTRICT 100 EAST PENN SQUARE PHILADELPHIA, PA 19107
SOLICITATION NO.: W912ER22C0026	DRAWN BY: J. GONGUK	U.S. NAVY P-960 TRITON OPERATIONAL FACILITY UE-401070	
CONTRACT NO. W912ER22C0026	CHECKED BY: C. CHASTEN		
PLOT DATE: 2022-09-21	SUBMITTED BY: C. CHASTEN		
FILENAME: UE-401070B-S-500DT.dwg	SIZE: ANSI D		

AL DHAFRA AIR BASE (ADAB), UAE U.S. NAVY P-960 TRITON OPERATIONAL FACILITY UE-401070	FACILITY "B" STRUCTURAL DETAILS COLD-FORMED
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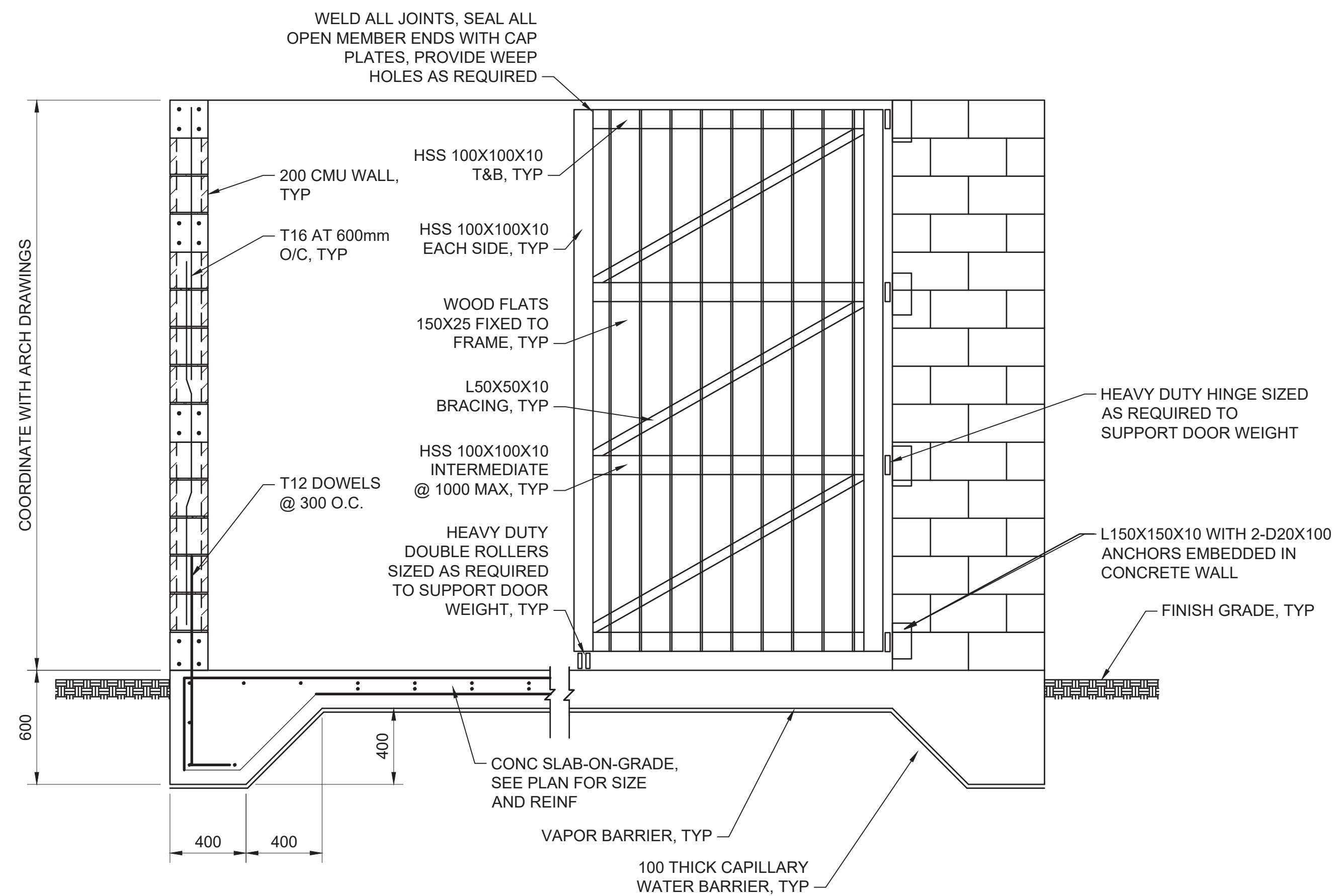
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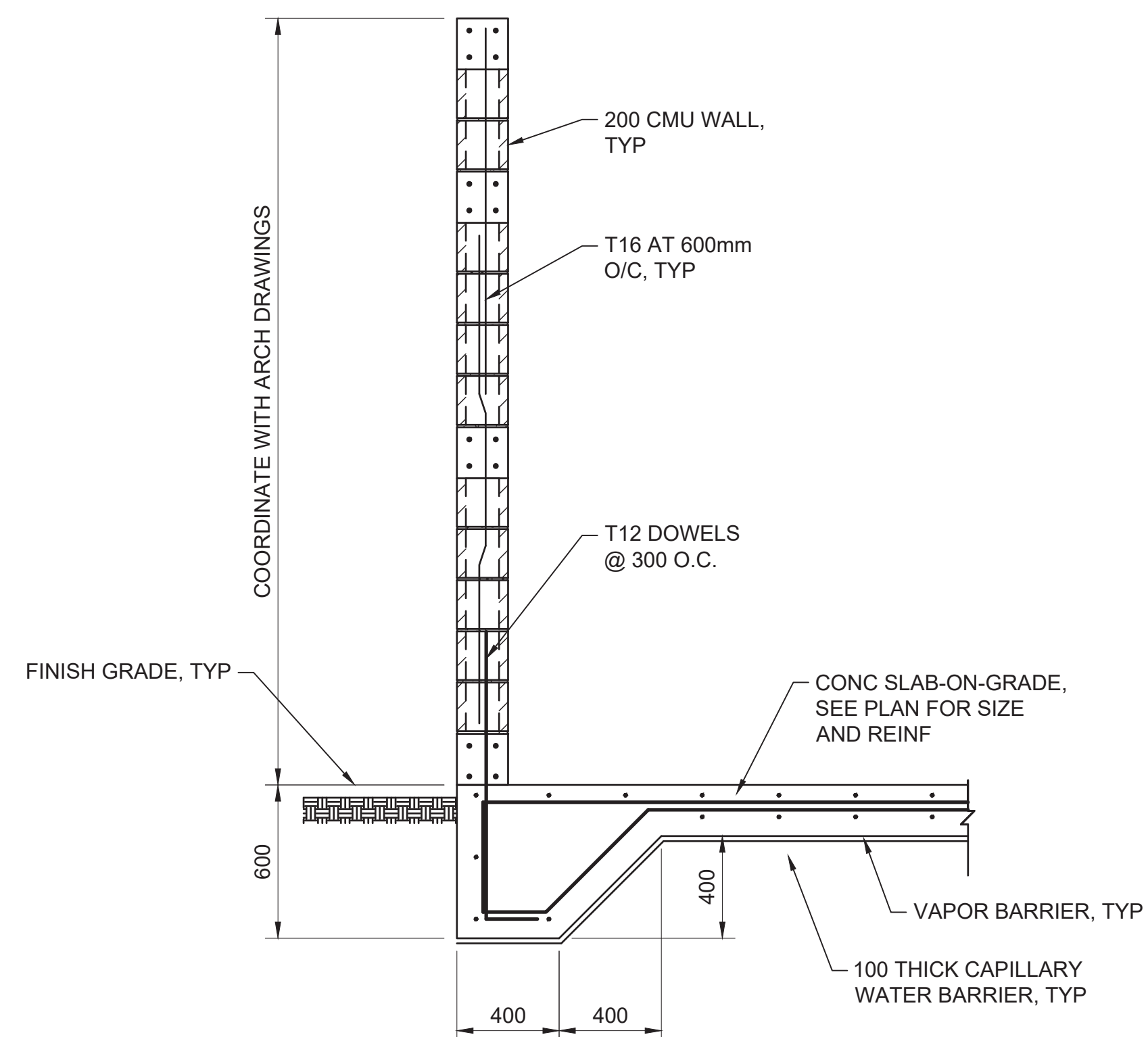
U.S. ARMY CORPS OF ENGINEERS TRANSATLANTIC MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22602	M. ALJUBORI SOLIDIFICATION NO.: W912ER21R020 J. GONGLIK CONTRACT NO.: W912ER22C0026 M. ALJUBORI SUBMITTED BY: C. CHASTEN 2022-09-21
PHILADELPHIA DISTRICT 100 EAST PENN SQUARE PHILADELPHIA, PA 19106	SIZE: _____ FILENAME: _____

AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UE-401070
FACILITY "B"
TRASH ENCLOSURE DETAILS

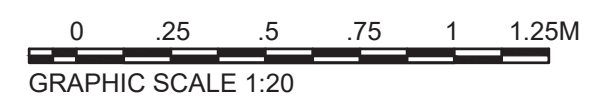
SHEET ID
B
ST505



1 TRASH ENCLOSURE



2 TRASH ENCLOSURE CMU WALL



G

F

E

D

C

B

A

FOUNDATION SCHEDULE

TYPE	FOOTING DIMENSIONS (mm)			BOTTOM REINFORCEMENT		TOP REINFORCEMENT	
	L	B	H	01	02	03	04
B-F1	2000	2000	500	T12@200	T12@200	T12@200	T10@200
B-F2	2200	2200	500	T12@150	T12@150	T10@200	T10@200
B-F3	2600	2600	500	T12@150	T12@150	T10@200	T10@200
B-F4	3100	3100	600	T16@150	T16@150	T10@200	T10@200
B-F5	3300	3300	600	T16@150	T16@150	T10@200	T10@200
B-F6	REFER FOUNDATION LAYOUT		600	T16@150	T16@150	T12@150	T12@150
B-F7	REFER FOUNDATION LAYOUT		600	T16@150	T16@150	T16@150	T16@150

CONCRETE STRAP BEAMS SCHEDULE

BEAM MARK	SIZE		BOTTOM REINF.T	TOP REINF.T	SIDE BARS	STIRRUPS (NO. OF LEGS)	STIRRUPS SPACING		REMARKS
	B	D					S1	S2	
B-STB1	560	600	4T25	4T25	2x2T12	4T10	150	200	-

STEEL COLUMN SCHEDULE

MARK	TYPE	TOP OF COLUMN EL	BOTTOM OF BASE PLATE EL
B-SC1	W340X202		

STEEL BEAMS SCHEDULE

BEAM DESIGNATION	TYPE	SHEAR STUDS (MIN. TENSILE STRENGTH 450MPa)	NOTES
B-SB1	W311X133	1Ø19@300 C/C	
B-SB2	W403X46	1Ø19@300C/C / 1Ø19@150C/C	
B-SB3	W454X60	1Ø19@300C/C / 1Ø19@150C/C	
B-SB4	W533X92	1Ø19@150 C/C	
B-SB5	W606X113	1Ø19@150 C/C	
B-SB6	W613X125	1Ø19@150 C/C	
B-SB7	W616X140	1Ø19@300 C/C	
B-SB8	W692X170	1Ø19@150 C/C	

CONCRETE PEDESTAL SCHEDULE

COL. REF.	
B-CP1	3T10@150 12T20 50 580 580

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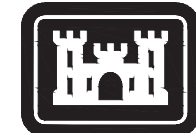
SHEET KEYNOTES

KEY PLAN

LEGEND

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US Army Corps
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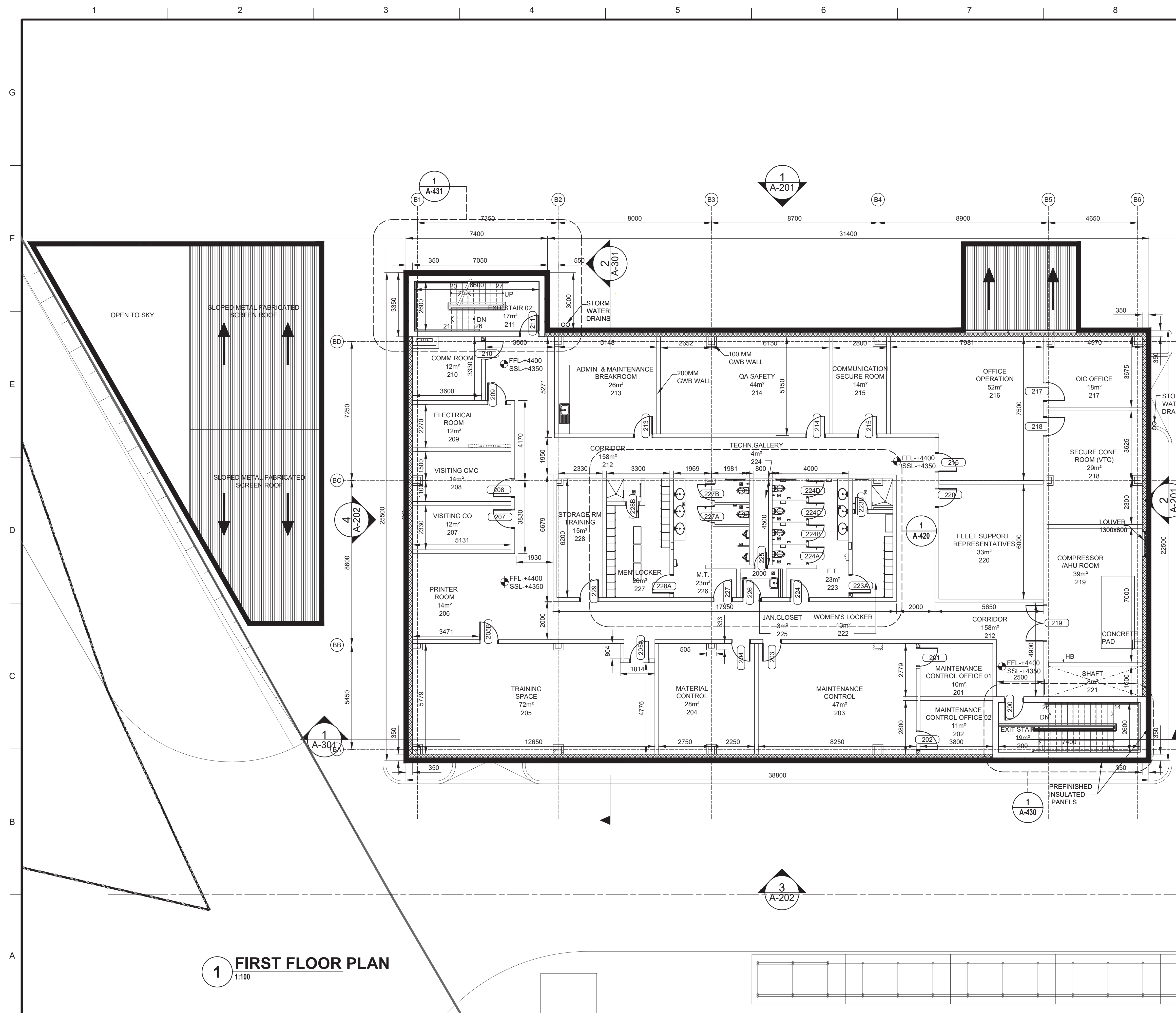
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U.S. ARMY CORPS OF ENGINEERING TRANSATLANTIC MIDDLE EAST DISTRICT 201 WINCHESTER DRIVE, WINCHESTER, VA 22602	ISSUE DATE: 2022-09-21 DESIGNED BY: J. HERGEIST DRAWN BY: W912ER2R0020 CHECKED BY: J. HERGEIST M. ALJUBOORI SUBMITTED BY: C. CHASTEN G. CHASTEN PLOT DATE: 2022-09-21	PROJECT NO.: 2022-09-21 SOLUTION NO.: W912ER2R0020 CONTRACT NO.: W912ER2C0026 PILOT DATE: 2022-09-21 PILOT NO.: W912ER2C0026 PILOT NAME: W912ER2C0026 ANSI D.: W912ER2C0026
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AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UJE-401070

FACILITY "B"
STRUCTURAL SCHEDULES
STRUCTURAL ELEMENTS SCHEDULES

SHEET ID
B
S-600



GENERAL SHEET NOTES



U.S. Army Corps
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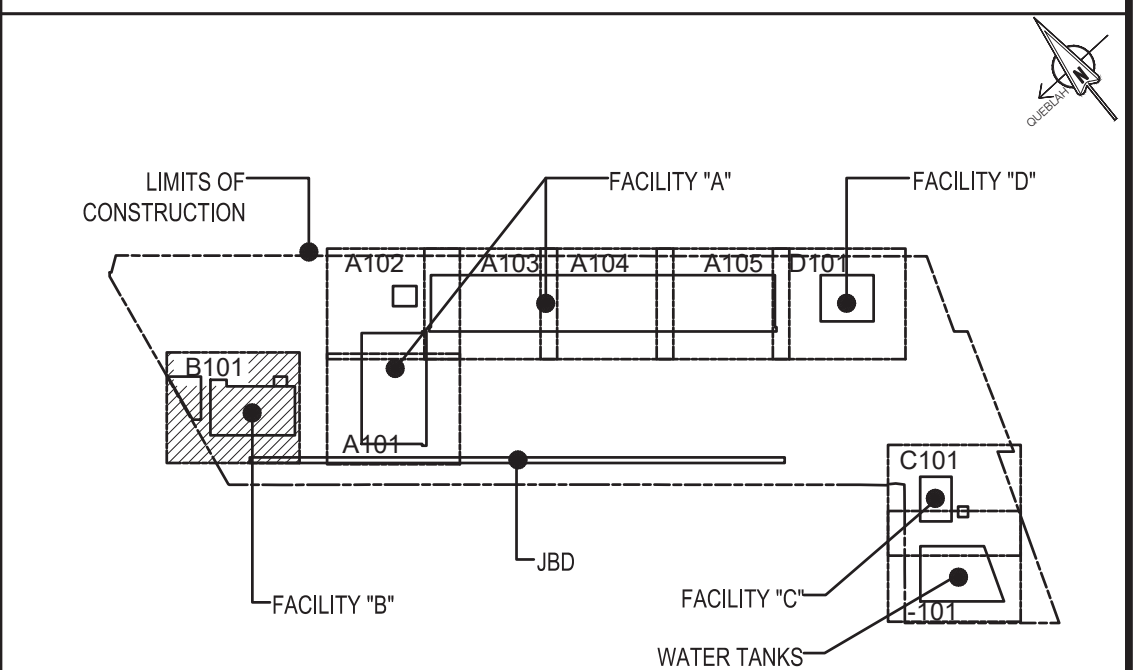
 SHEET KEYNOTES

FACILITY B GROSS FLOOR AREA

GROUND FLOOR LEVEL =	895 SM
FIRST FLOOR LEVEL =	895 SM
ROOF FLOOR LEVEL =	26 SM
TOTAL =	1,816 SM

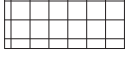
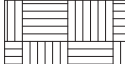
NB: GFA CALCULATED AS PER UFC 3-101-01 section 2-2

KEY PLAN



LEGEND

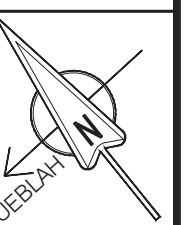
MATERIAL SYMBOLS

	CONCRETE MASONRY UNIT
	CONCRETE
	COVER BOARD
	POLYISOCYANURATE FORM BOARD
	GRADED CRUSHED AGGREGATE BASE COURSE
	SAND , CMU , PLASTER
	ROCK OR UNDISTURBED EARTH
	EARTH

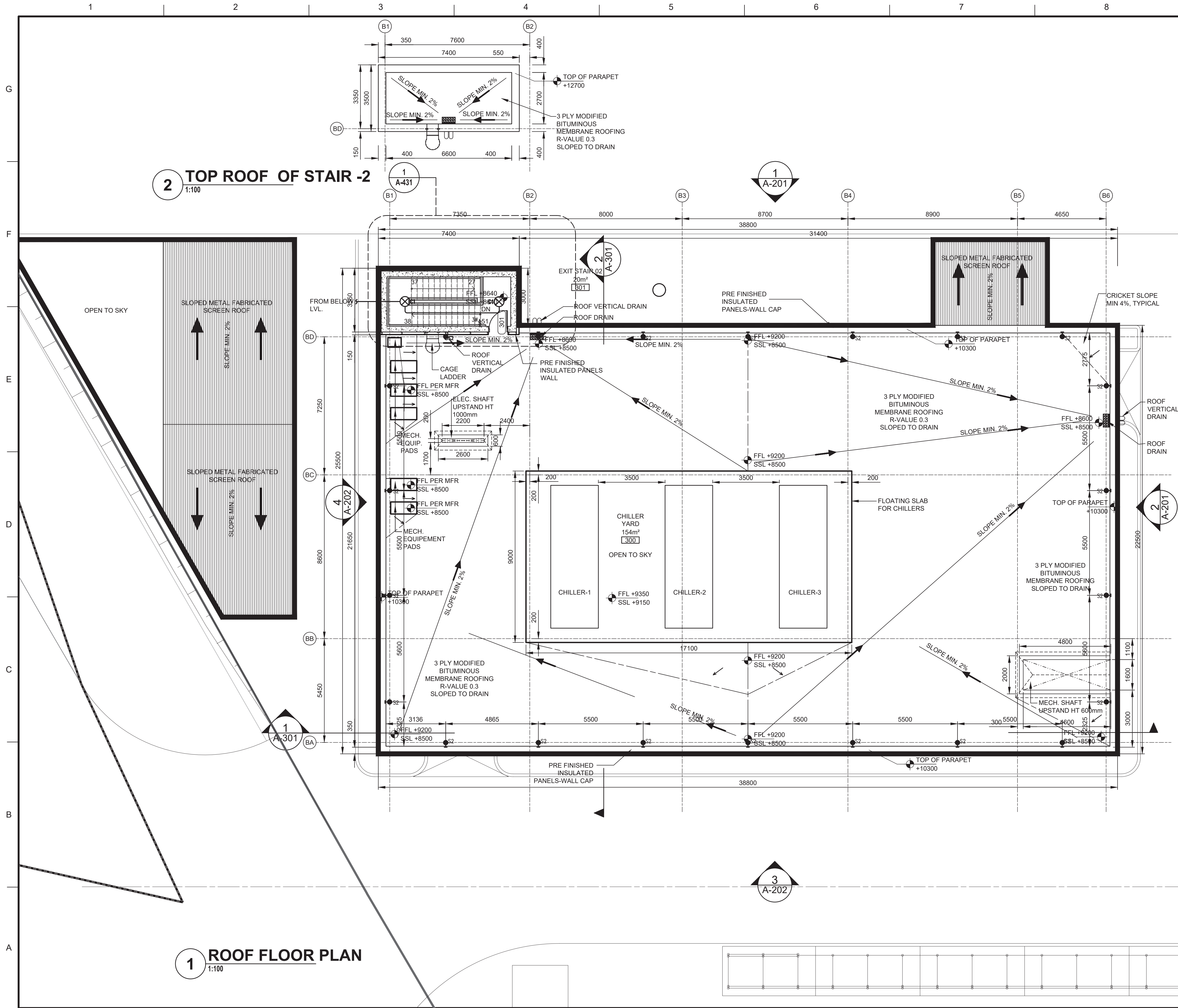
DIM. NOTE & NORTH



GRAPHIC SCALE 1:100
UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE
IN MILLIMETERS. LEVELS ARE NOTED IN MILLIMETERS,



SHEET ID
B
A-101



GENERAL SHEET NOTES



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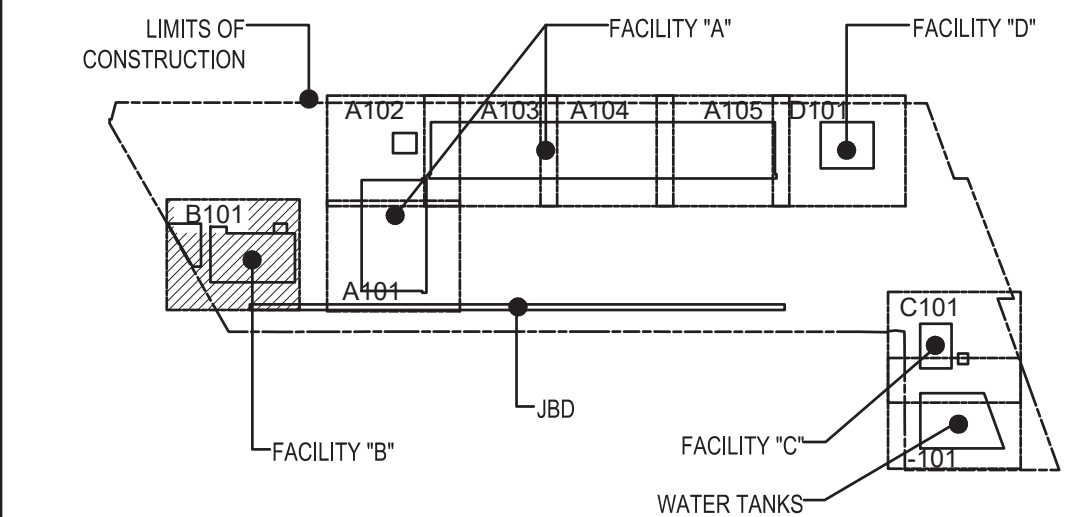
SHEET KEYNOTES

FACILITY B GROSS FLOOR AREA

GROUND FLOOR LEVEL = 895 SM
FIRST FLOOR LEVEL = 895 SM
ROOF FLOOR LEVEL = 26 SM
TOTAL = 1,816 SM

NB: GFA CALCULATED AS PER UFC 3-101-01 section 2-2

KEY PLAN



LEGEND

MATERIAL SYMBOLS

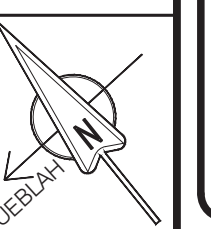
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	CONCRETE
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	POLYISOCYANURATE FORM BOARD
	GRADED CRUSHED AGGREGATE BASE COURSE
	SAND, CMU, PLASTER
	ROCK OR UNDISTURBED EARTH
	EARTH

DIM. NOTE & NORTH

1 0 1 2 4 6 8M

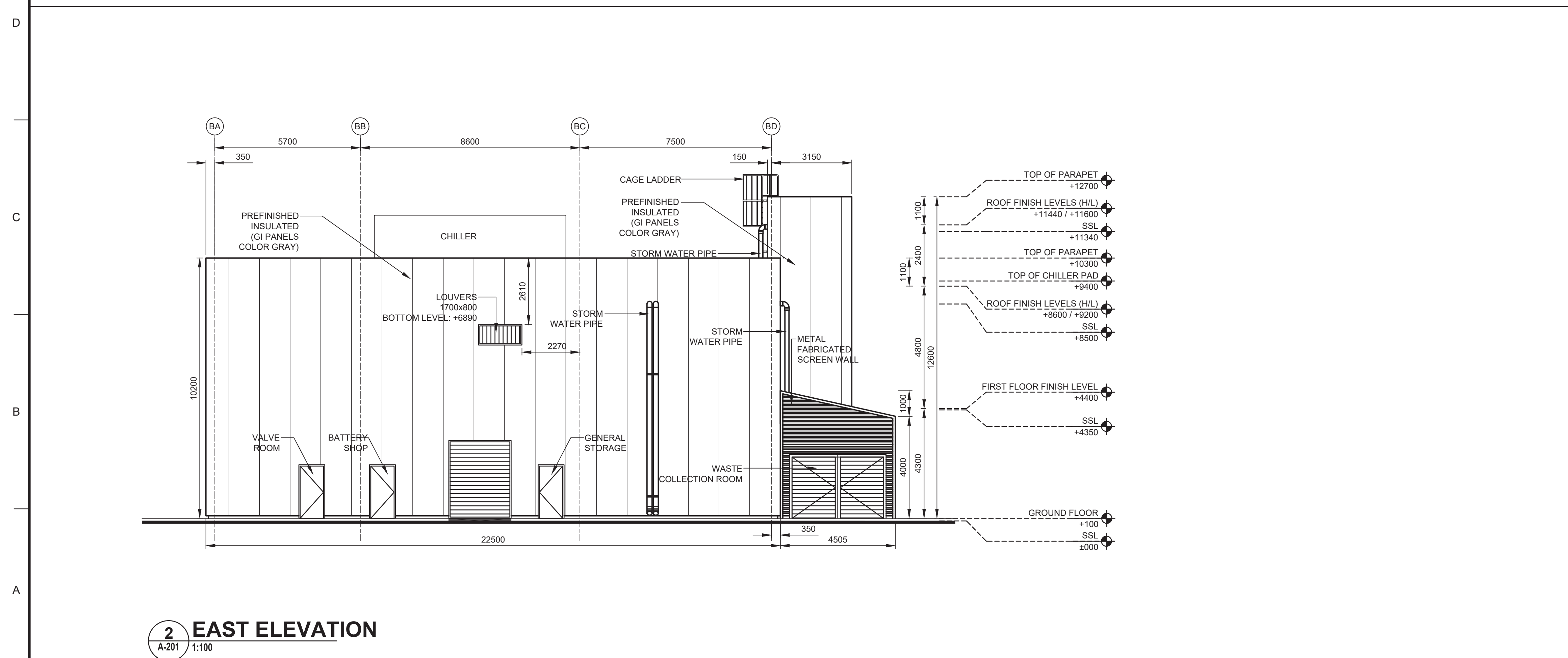
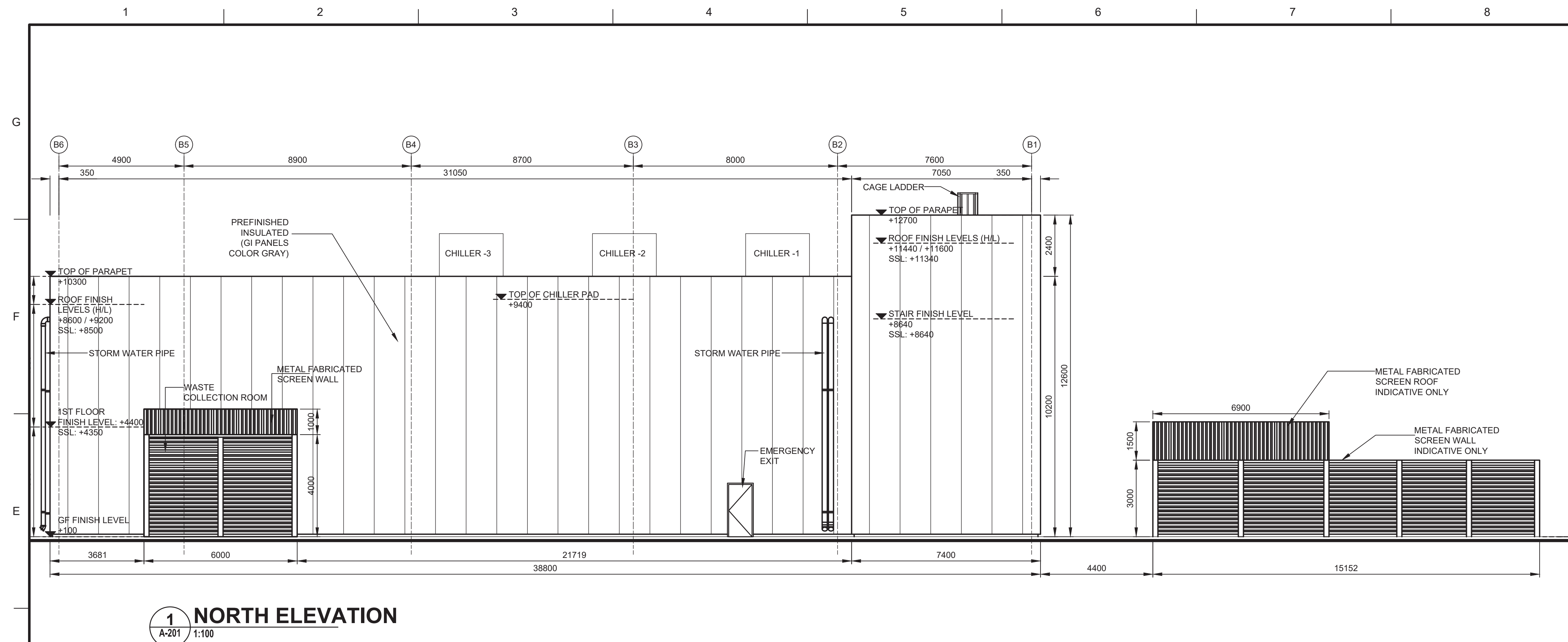
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UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE
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SHEET ID
B
A-190

RELEASED FOR AWARD



GENERAL SHEET NOTES

 SHEET KEYNOTES

KEY PLAN

LEGEND

DIM. NOTE & NORTH



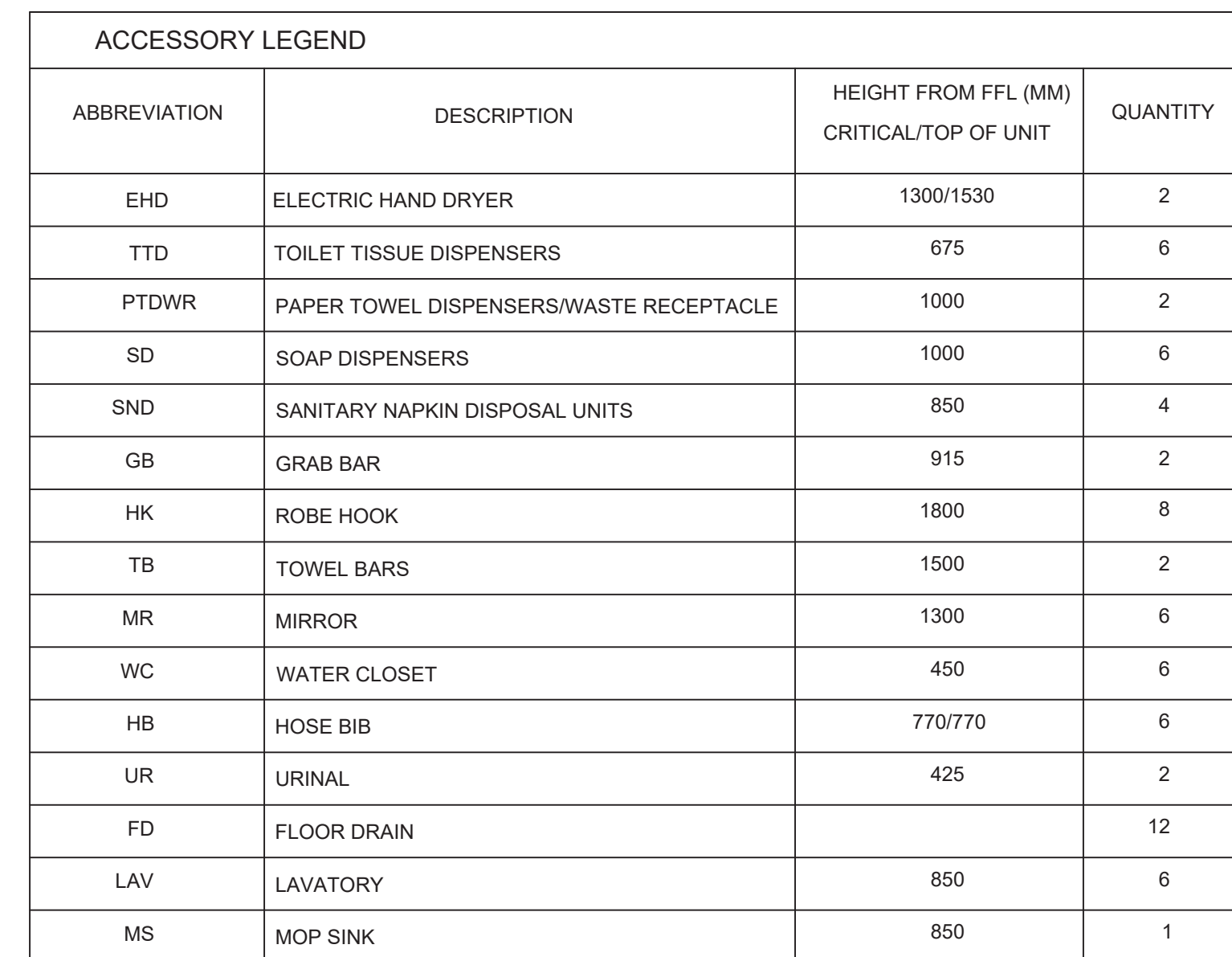
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UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE
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P-980 TRITON OPERATIONAL FACILITY
UE-401070

SHEET ID
B
A-201



GENERAL SHEET NOTES

1. DIMENSIONS ARE TO FACE OF CMU OR CONCRETE UNLESS NOTED OTHERWISE.
2. ALL CMU WALLS ARE 200 UNLESS NOTED OTHERWISE.
3. FLOOR SHALL BE SLOPED TO DRAIN PROPERLY TO FLOOR DRAINS .
4. ALL ACCESSORIES AND FIXING HEIGHTS ARE INDICATIVE ONLY .
5. ACCESSORIES FIXTURE SEE THE SPECIFICATIONS .
6. REFLECTED CEILING PLANS SHOWN FOR LAYOUT AND COORDINATE MECHANICAL ,
LIGHTING , FIRE PROTECTION RESPECTIVE DRAWINGS .
7. REFER TO SHEETS IF101 AND IF102 FOR FLOOR FINISHES AND MATERIAL FINISHING
LEGEND



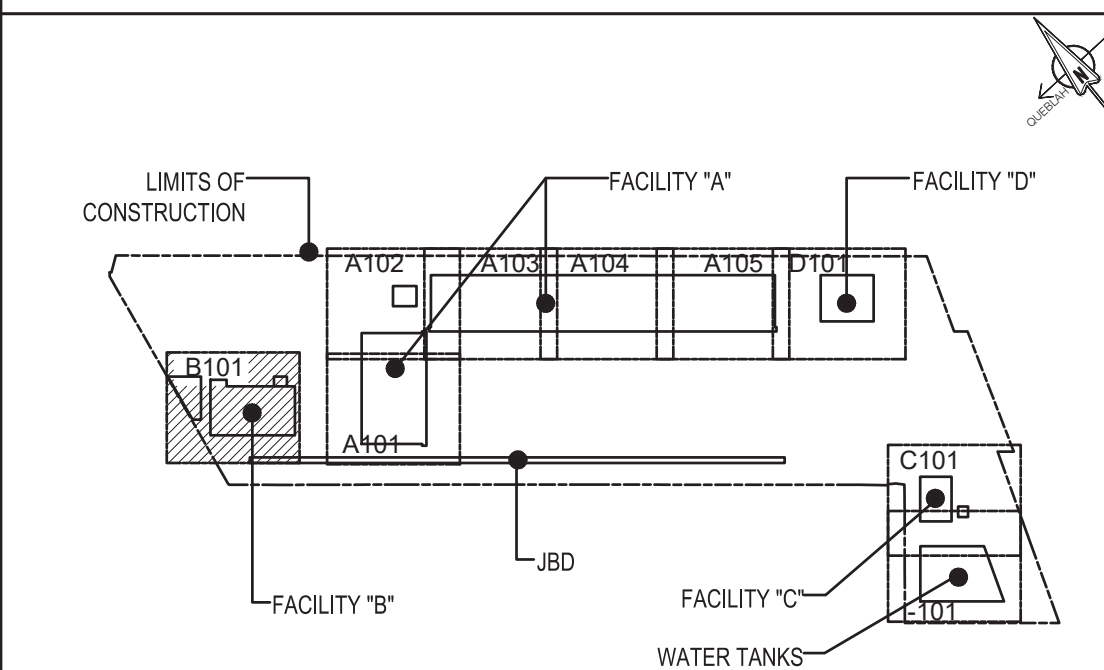
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SHEET KEYNOTES

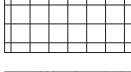
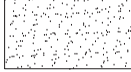
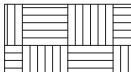
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	DRAWN BY: M. J. HARRIS	DRAWN NO.: W913ER21180020
	CHECKED BY: T. MERGEST	CONTRACT NO.: W912ER22C0026
	SUBMITTED BY: S. LEE	PLOT DATE: 2022-09-21
	SCALE: AS SHOWN	FILENAME: UE-401070B-A-420L S.dwg
	SIZE: A	

KEY PLAN



LEGEND

MATERIAL SYMBOLS

	CONCRETE MASONRY UNIT
	CONCRETE
	COVER BOARD
	POLYISOCYANURATE FORM BOARD
	GRADED CRUSHED AGGREGATE BASE COURSE
	SAND , CMU, PLASTER
	ROCK OR UNDISTURBED EARTH
	EARTH

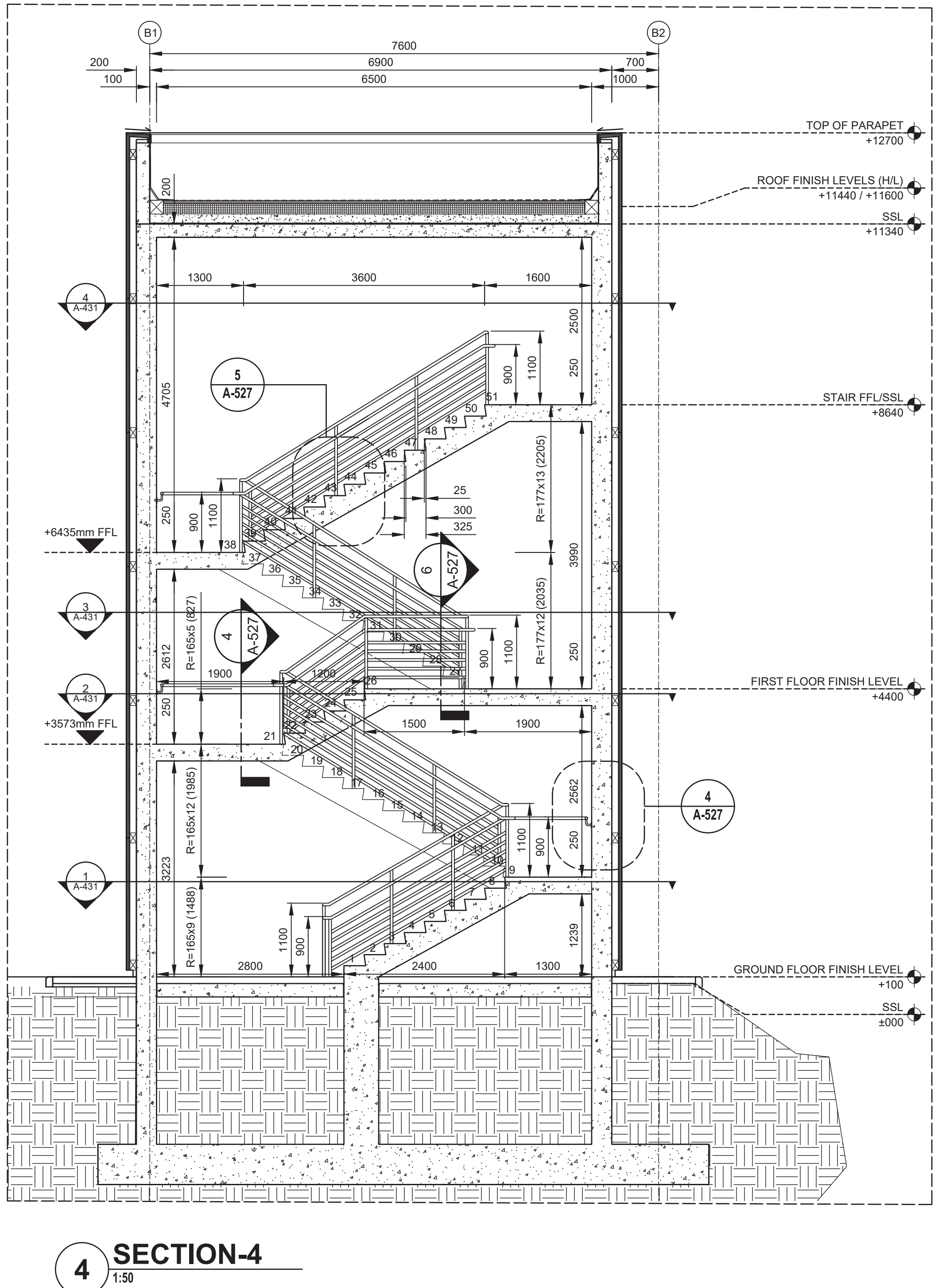
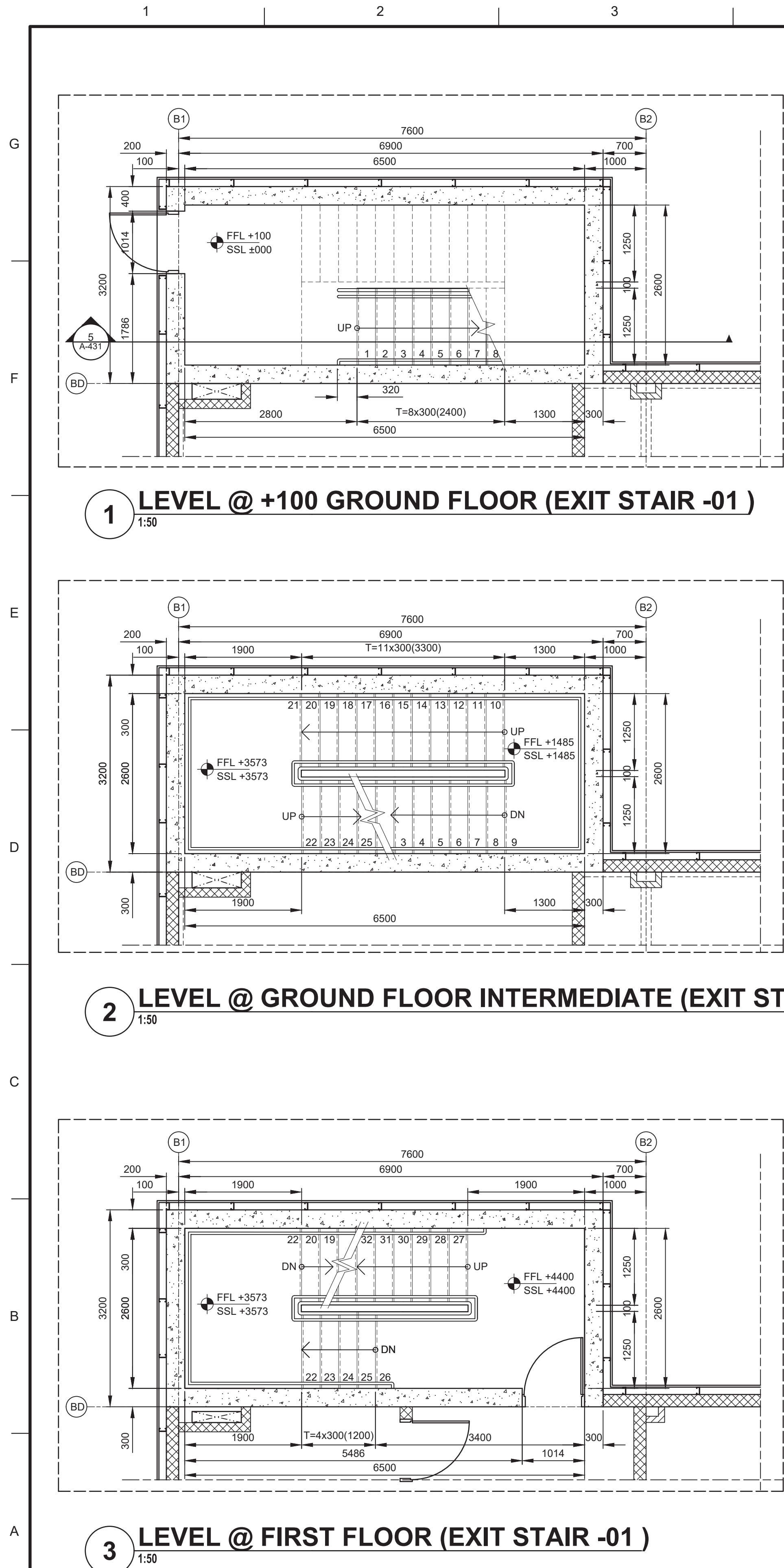
DIM. NOTE & NORTH



GRAPHIC SCALE 1:50
UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE
IN MILLIMETERS. LEVELS ARE NOTED IN MILLIMETERS.

AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-980 TRITON OPERATIONAL FACILITY
UE-401070

SHEET ID
B
A-420

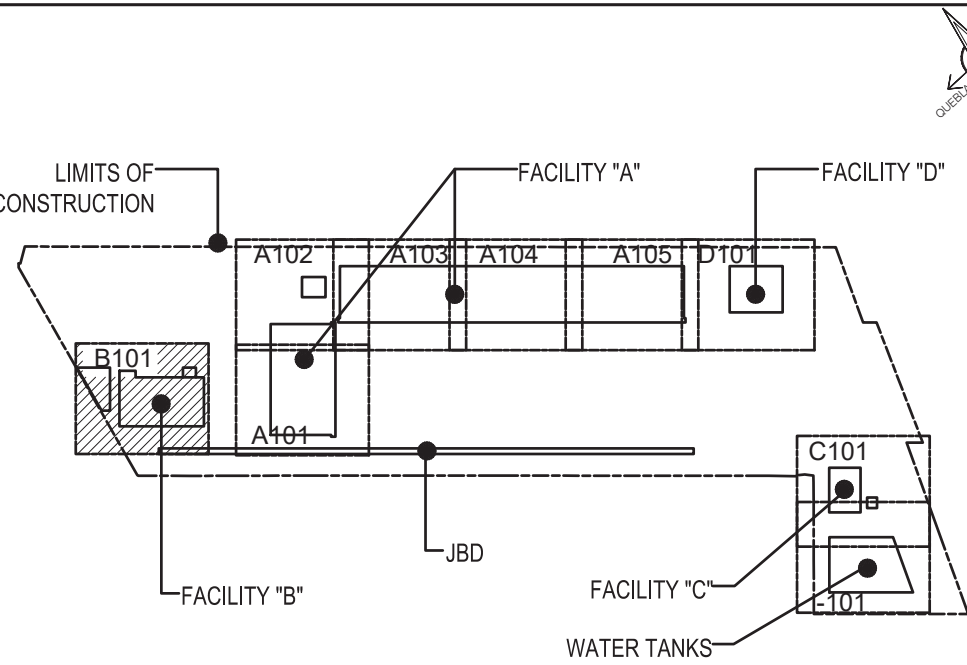


GENERAL SHEET NOTES

1. INTERNAL STAIR WALL FINISH IS PLASTER AND PAINT 200mm THK.
2. STAIR FINISH IS SEALED CONCRETE REFER TO THE FINISHING SCHEDULE.

SHEET KEYNOTES

KEY PLAN



LEGEND

MATERIAL SYMBOLS

- CONCRETE MASONRY UNIT
CONCRETE
COVER BOARD
POLYISOCYANURATE FORM BOARD
GRADED CRUSHED AGGREGATE BASE COURSE
SAND, CMU, PLASTER
ROCK OR UNDISTURBED EARTH
EARTH

DIM. NOTE & NORTH



GRAPHIC SCALE 1:50

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



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MARK	DESCRIPTION	DATE

ISSUE DATE: SEPTEMBER 2022	DESIGNED BY: S. FIELD-JABLECKI	FILENAME: UE-401070B-A-431LS.dwg
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CONTRACT NO.: W912ER22C0026	CHECKED BY: J. RANEY	
PLOT DATE: 2022-09-21	SUBMITTED BY: J. RANEY	

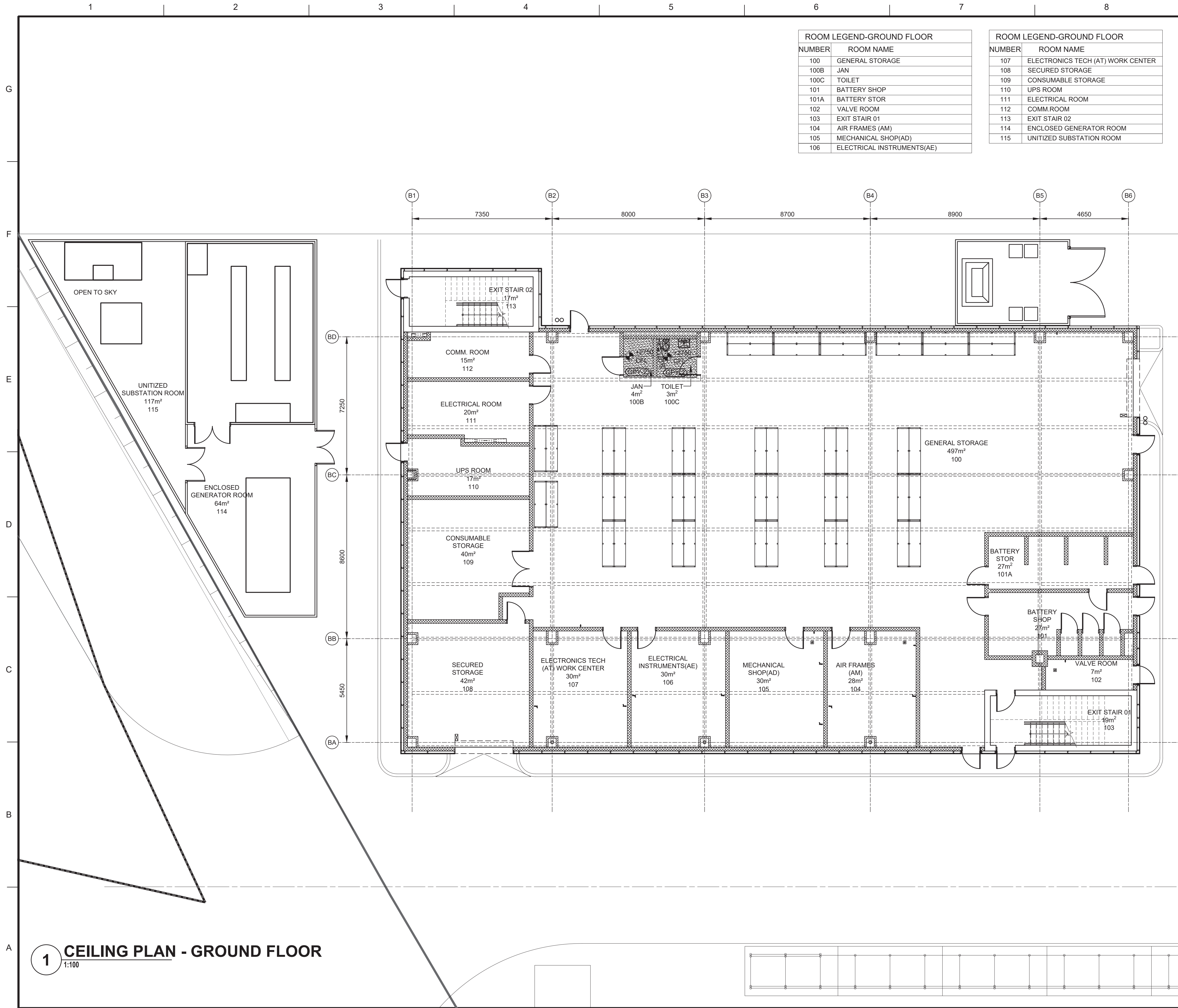
AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UE-401070

FACILITY "B"

ARCHITECTURAL-LARGE SCALE VIEWS
STAIRS 02 ENLARGEMENT-PLANS AND SECTIONS

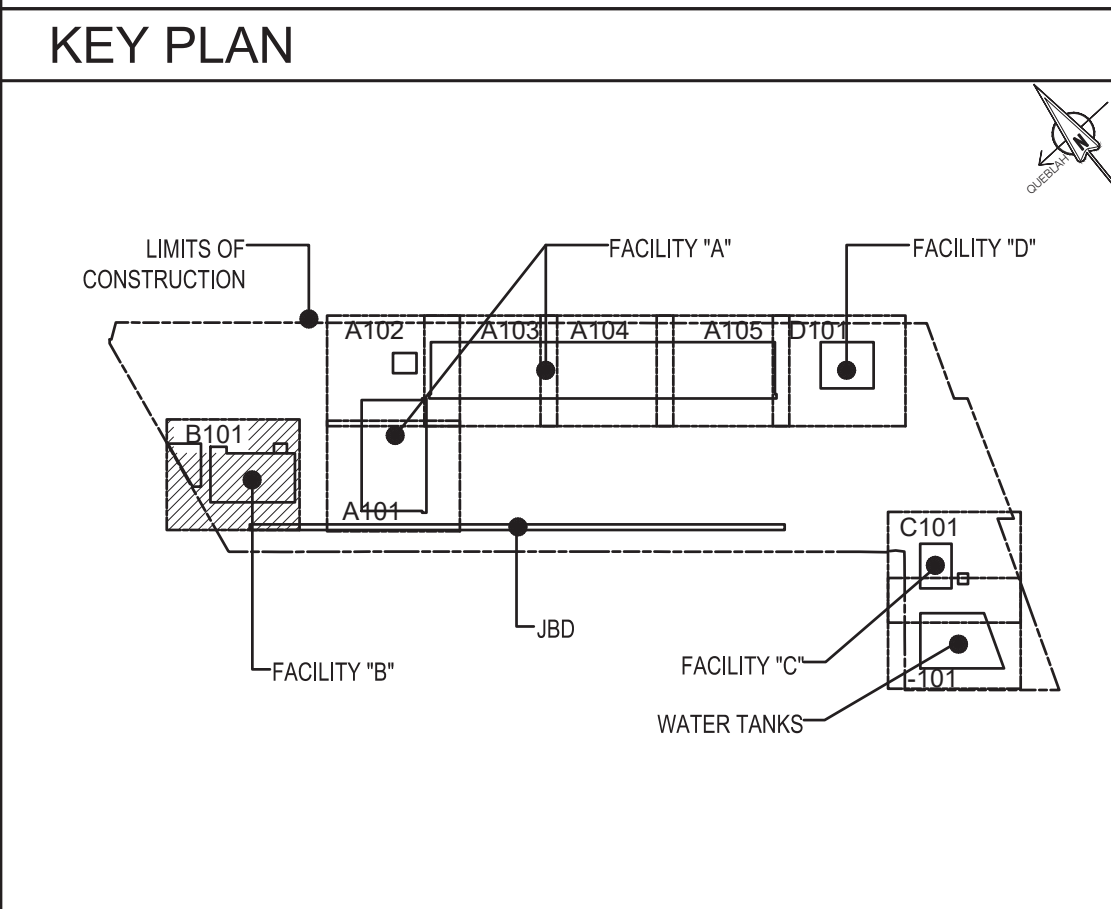
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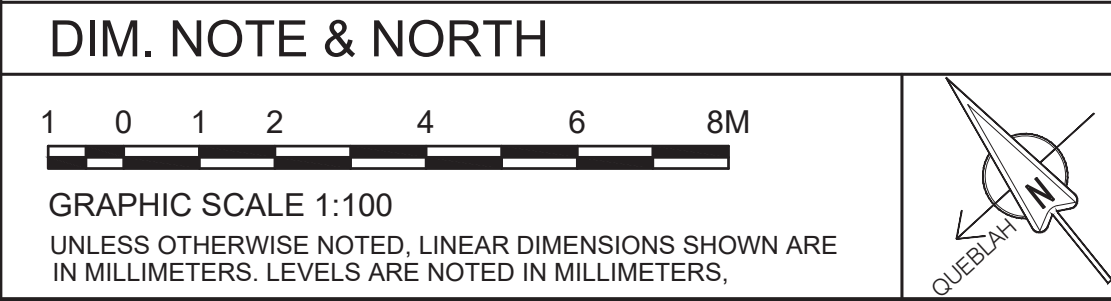


- GENERAL SHEET NOTES**
1. REFLECTED CEILING PLANS SHOWN FOR LAYOUT AND COORDINATION PURPOSES ONLY. COORDINATE MECHANICAL EQUIPMENT, ELECTRICAL LIGHTING, FIRE PROTECTION/SUPPRESSION SYSTEMS WITH RESPECTIVE DRAWINGS.
 2. FIXTURE LEGENDS - SEE RESPECTIVE DISCIPLINE DRAWINGS.
 3. SEE THE SPECIFICATIONS AND ROOM FINISH SCHEDULE FOR CEILING TYPES AND HEIGHTS.
 4. LAYOUT SUSPENDED CEILING TILES AS PER SPECIFICATIONS AS SHOWN.
 5. PROVIDE SPRAY FIREPROOFING AT EXPOSED CEILING IN ROOMS AS PER SPECIFICATION.
 6. COORDINATE THE CEILING ACCESS PANELS WITH THE LOCATIONS OF THE HVAC EQUIPMENT ABOVE THE CEILING.
 7. REFER TO SHEET IF-101 AND IF-102 FOR CEILING FINISHES AND MATERIAL FINISHING LEGEND.

- SHEET KEYNOTES**
- CEILING LEGEND**
- ACT-1 (600x600 SUSPENDED ACOUSTICAL CEILING.)
 - ACT-2 (600x600 MOISTURE RESISTANT ACOUSTICAL CEILING.)
 - GYP-1 (PAINTED GYPSUM BOARD INTERIOR SURFACES.)
 - GYP-2 (SUSPENDED MOISTURE RESISTANT GYPSUM BOARD.)
 - OTS-1/OTS-2 (PAINTED EXPOSED STRUCTURE)
 - CEILING ACCESS PANEL
 - CEILING FINISH SYMBOLS



- LEGEND**
- COMPACT, GENERAL PURPOSE LED AREA FLOODLIGHT. IP66 462X265X139MM.27W
- COMPACT, GENERAL PURPOSE LED AREA FLOODLIGHT. IP66 IP66, IK08, CLASS I ELECTRICAL 507 X 367 X 91MM.260W
- COMPACT, GENERAL PURPOSE LED AREA FLOODLIGHT. IP66, IK08, CLASS I ELECTRICAL 593 X 621 X 117MM.620W
- SQUARE CEILING RECESSED LED LUMINAIRE. IP54 WITH DIFFUSER, 462X265X139MM.25W
- RECESSED LED DOWNLIGHT. IP54 (IP20 FROM ABOVE), 4000K LED, Ø220X94MM.14W
- LED HANGAR BAY LUMINAIRE. DIE-CAST ALUMINIUM HOUSING, IP65 DUST PROTECTION IP5 680X330X114MM.260W
- WALL MOUNTED LED LUMINAIRE. IP65, WITH 4000K LED WITH MINI HOTOCCELL, 381X196X305MM.25W
- LED HANGAR BAY LUMINAIRE. DIE-CAST ALUMINIUM HOUSING, IP65 DUST PROTECTION IP 649X342X63MM.165W
- IP66, DUST AND MOISTURE RESISTANT LED LUMINAIRE. 1600X92X90MM.52W
- SURFACE MOUNTING LED TYPE EMERGENCY LUMINAIRE WITH CLEAR COVER, 4W/770 LUMENS. CEILING RECESSED MOUNTED EMERGENCY TYPE 1X2W HIGH POWER LED LUMINAIRE. (*B - BATTERYPACK)
- SURFACE MOUNTING LED TYPE EMERGENCY LUMINAIRE WITH CLEAR COVER, 1 x 1 W LUMENS. (*B - BATTERYPACK)
- CEILING OR WALL MOUNTING HIGH POWER MULTI DIE LED TYPE EMERGENCY LUMINAIRE, IP65, 4.5W. (*B - BATTERYPACK)
- WALL/SLIM TYPE DECORATIVE EXIT LUMINAIRE WITH 2.6W LED. (*B - BATTERYPACK)
- CEILING SUSPENDED TYPE DECORATIVE EXIT LUMINAIRE WITH 4.1W LED. (*B - BATTERYPACK)



US Army Corps of Engineers®

ISSUE DATE: SEPTEMBER 2022
SOLUTION NO.: 10000000000000000000
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CHECKED BY: J. RANEY
SUBMITTED BY: J. RANEY
PLOT DATE: 2022-09-21
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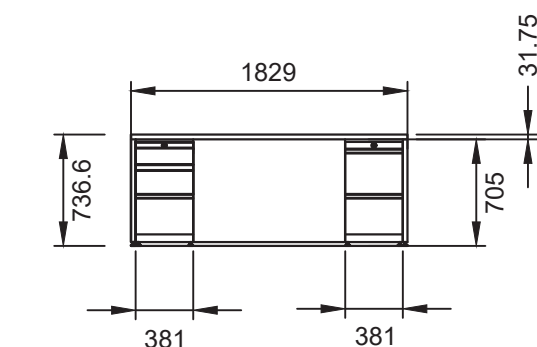
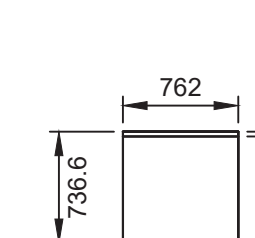
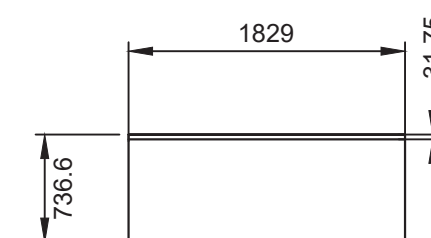
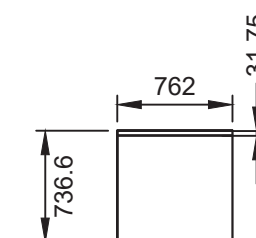
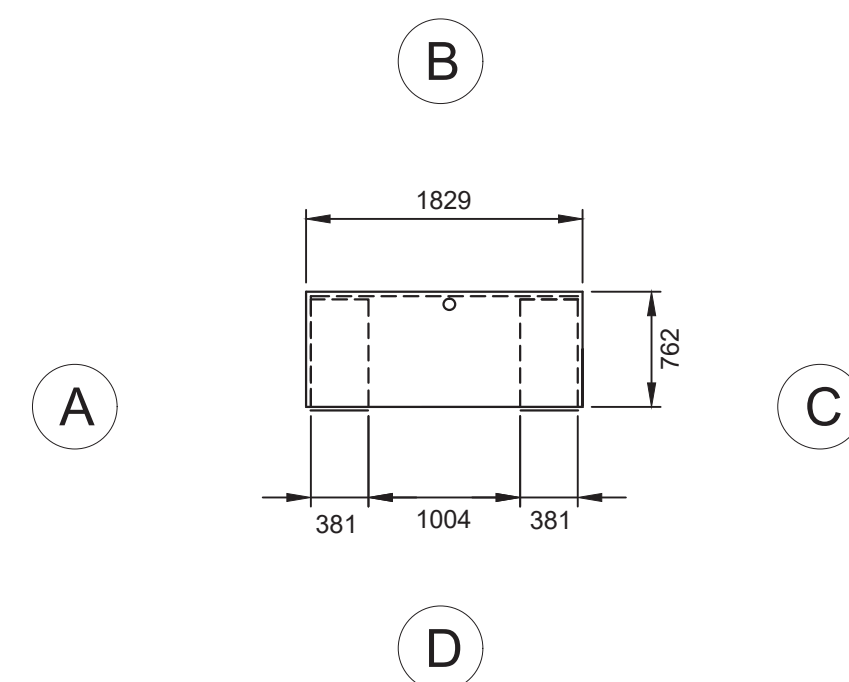
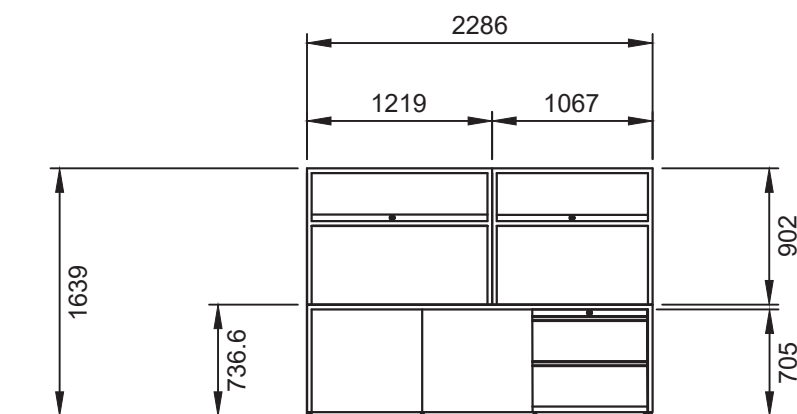
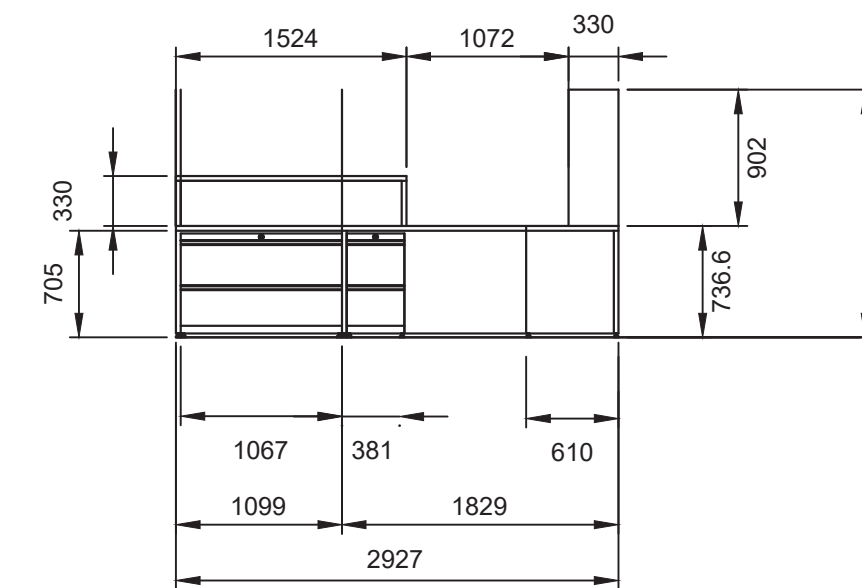
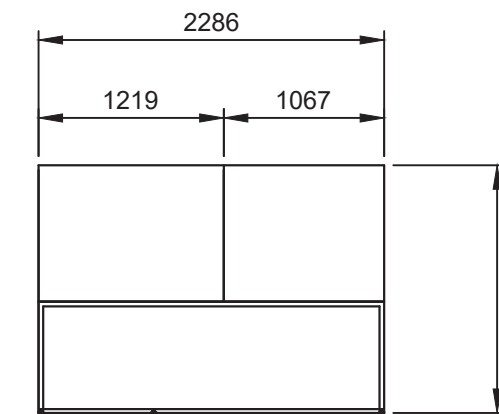
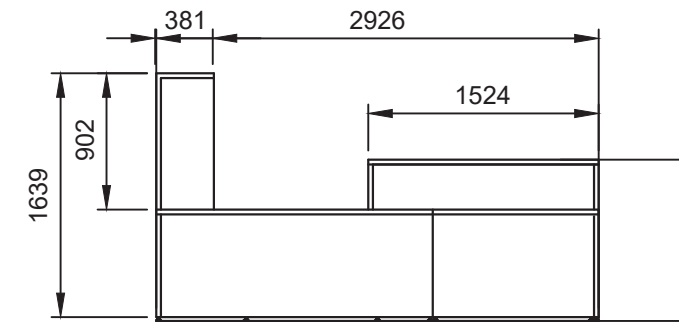
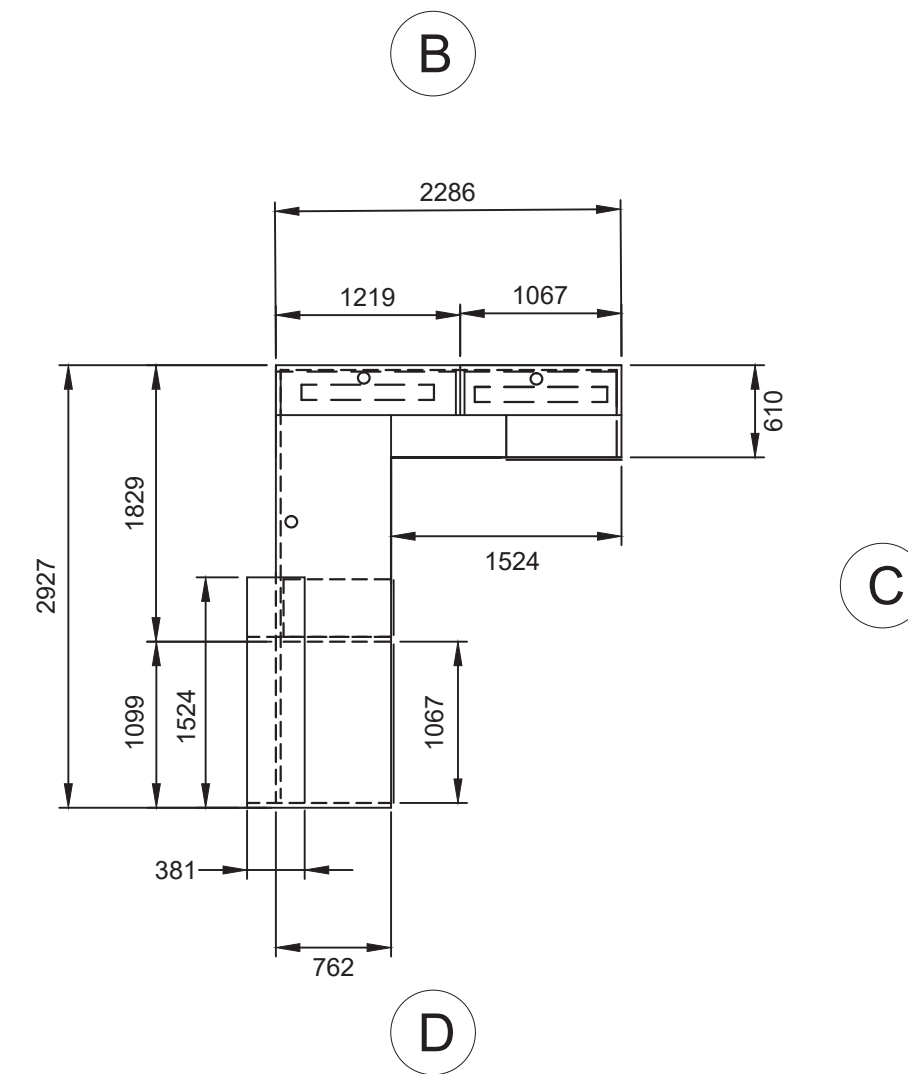
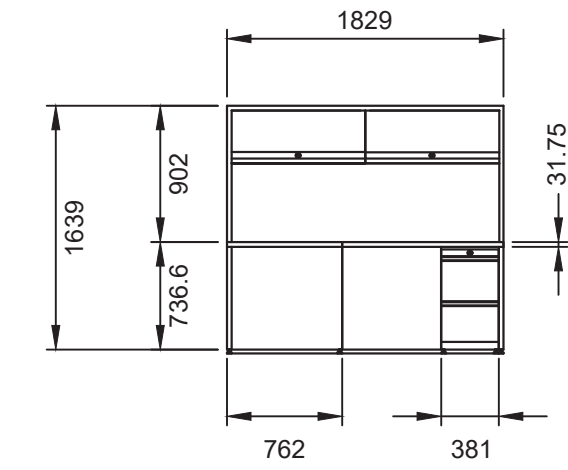
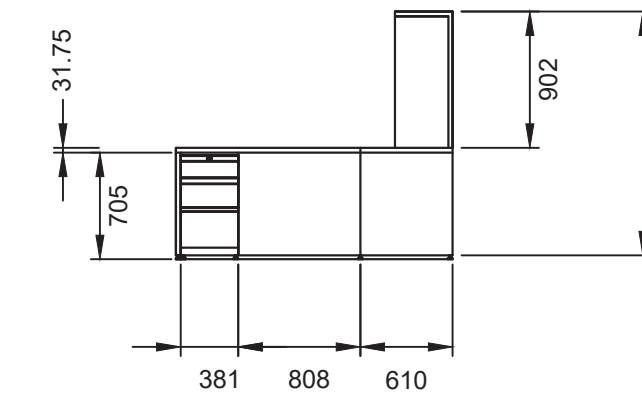
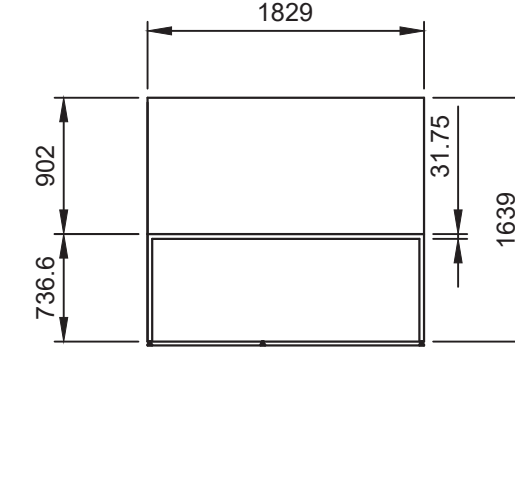
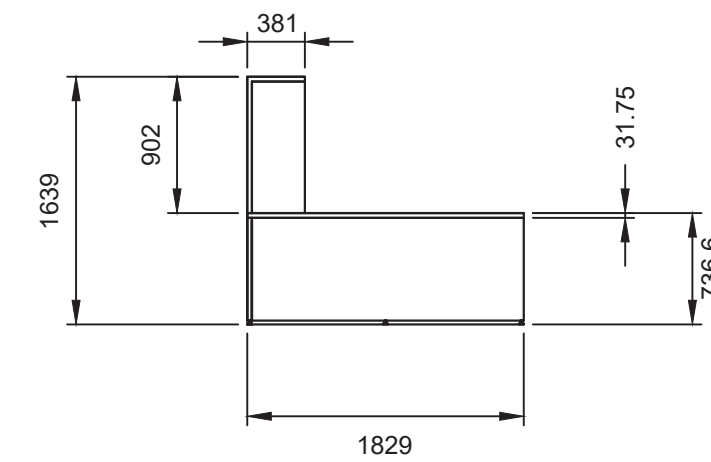
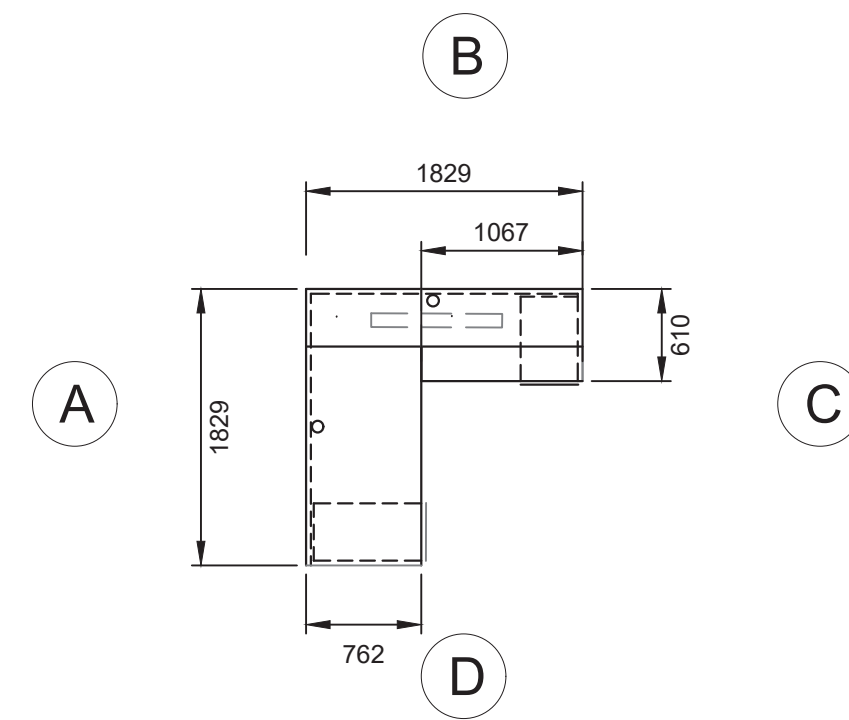
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CHECKED BY: J. RANEY
SUBMITTED BY: J. RANEY
PLOT DATE: 2022-09-21
FILENAME: UE-401070B-AR101P.dwg
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U.S. ARMY CORPS OF ENGINEERS
TRANSATLANTIC MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE,
WINCHESTER, VA 22602

AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
OPERATIONAL FACILITY
UE-401070
P-960 TRITON

FACILITY "B"
ARCHITECTURAL REFLECTED CEILING PLANS
CEILING PLAN - GROUND FLOOR

SHEET ID
B
AR101



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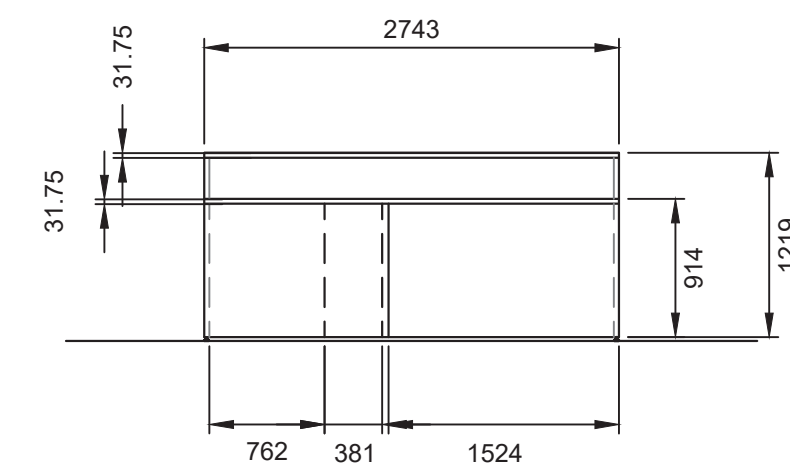
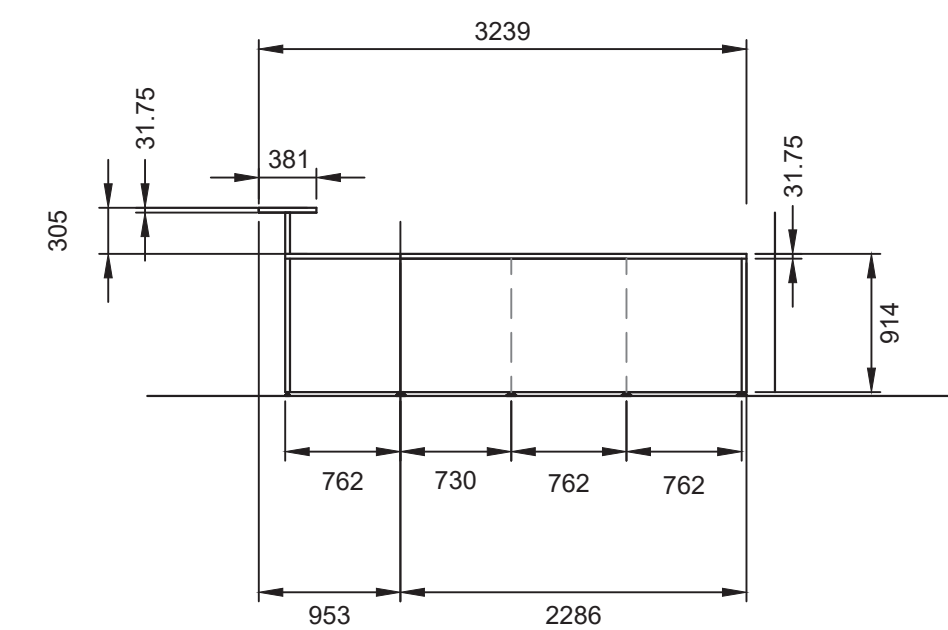
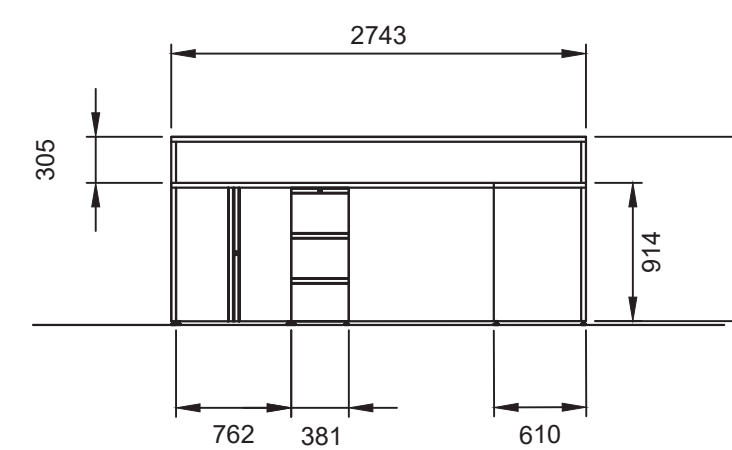
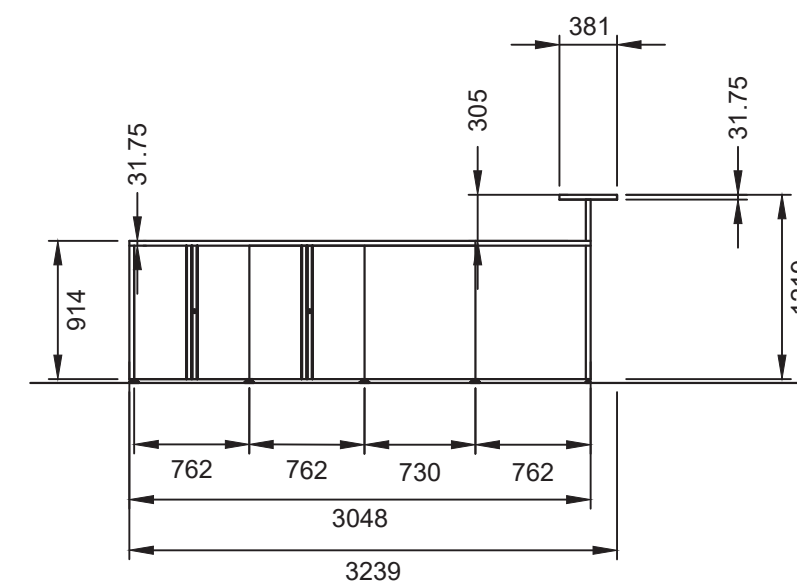
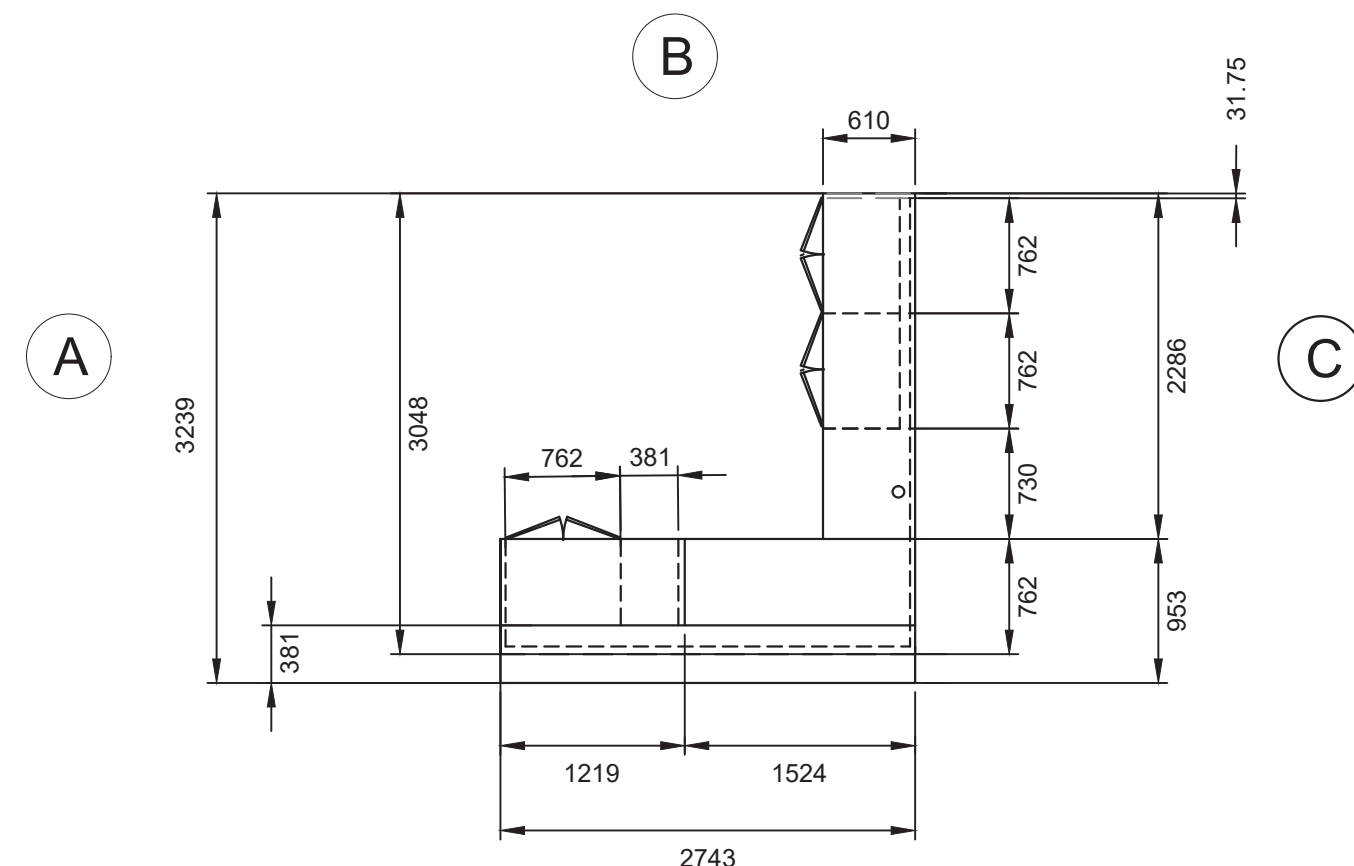
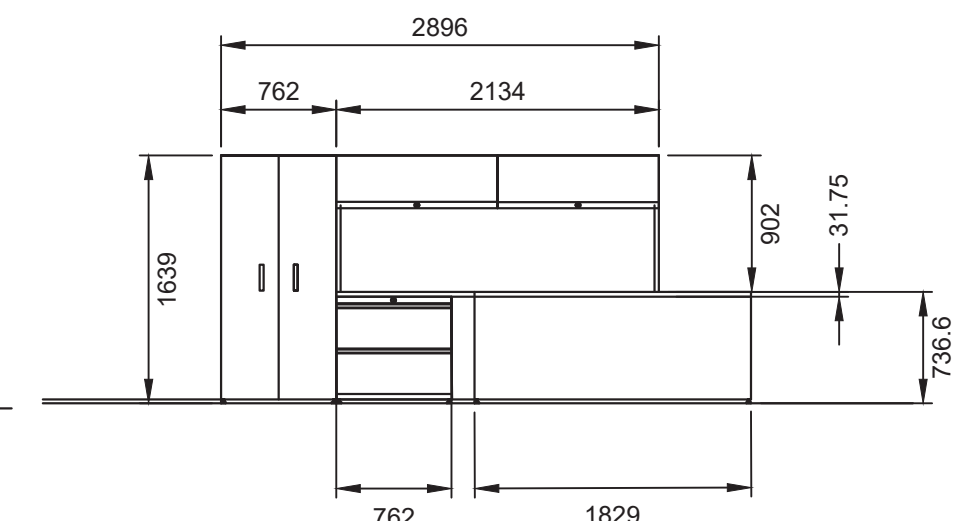
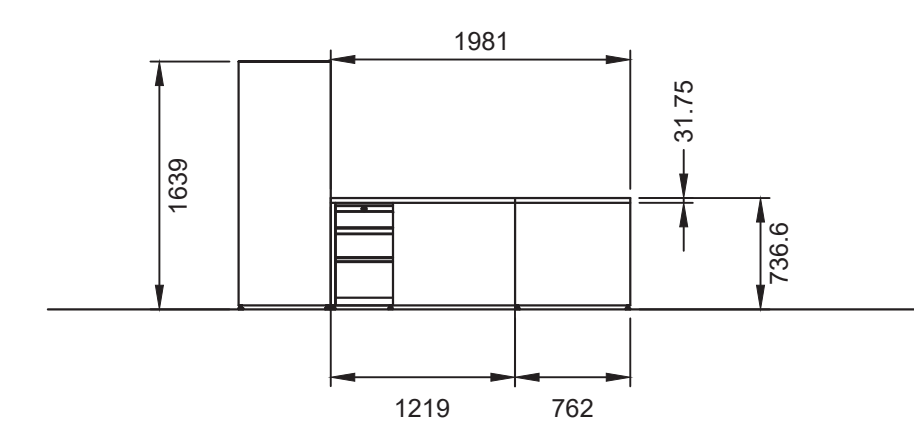
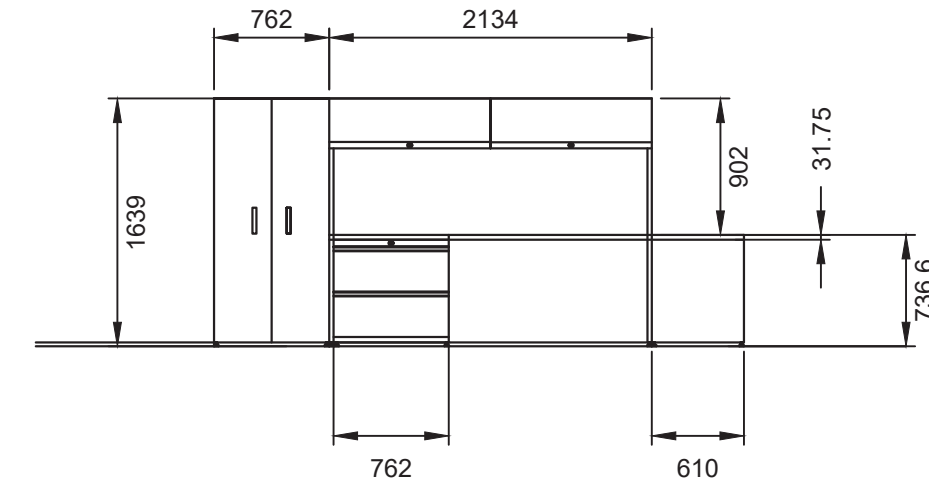
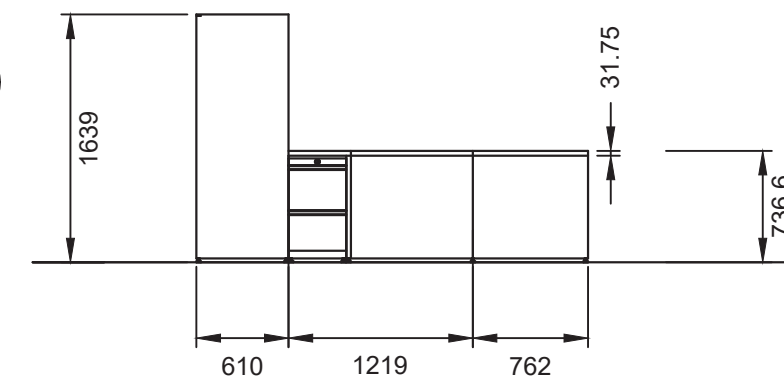
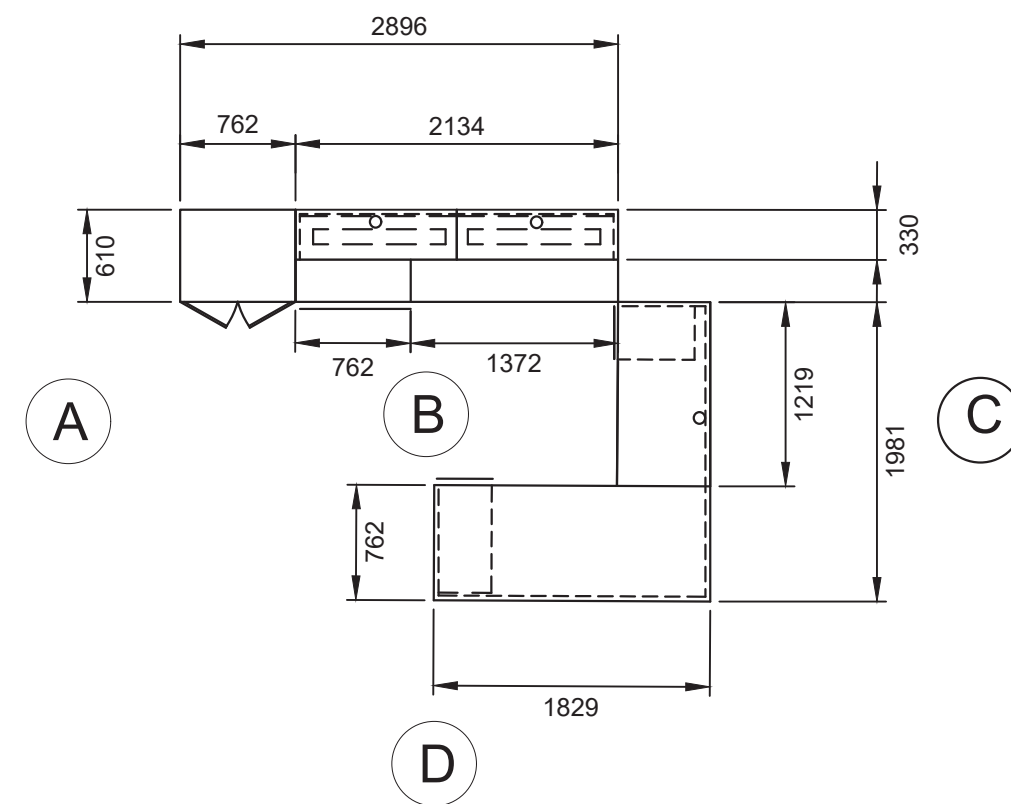
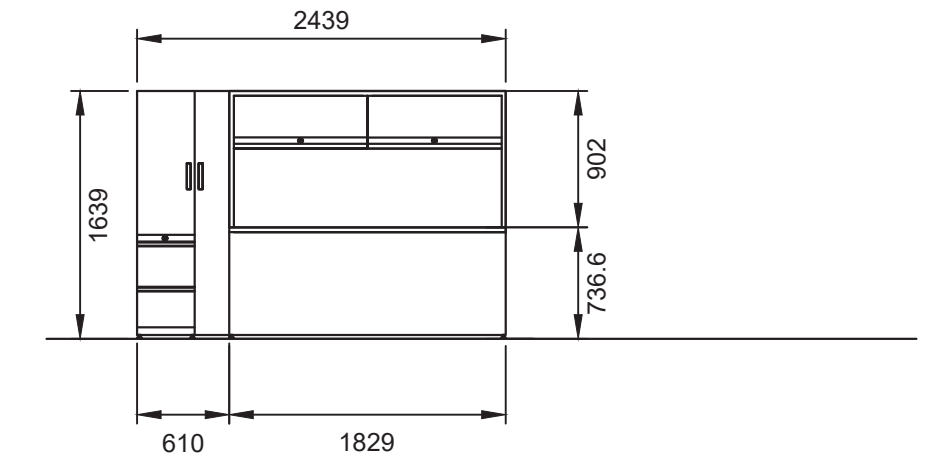
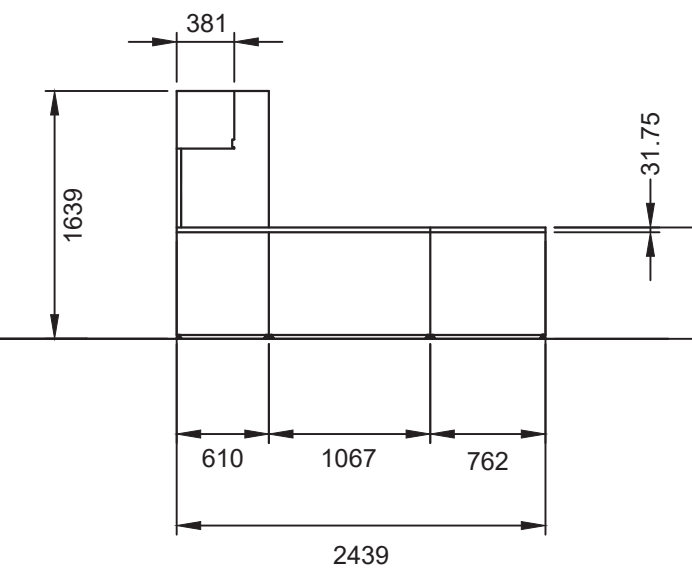
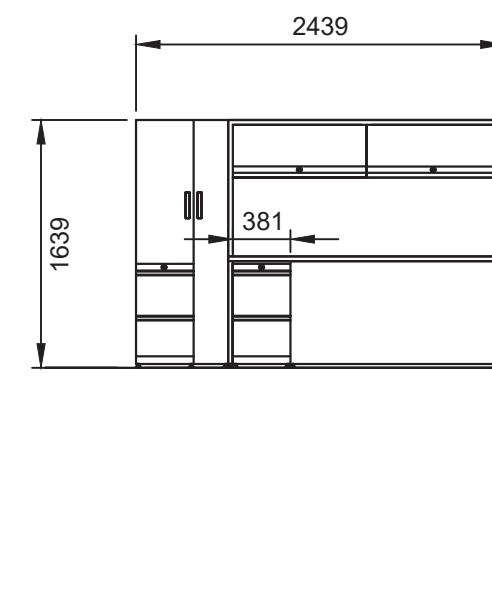
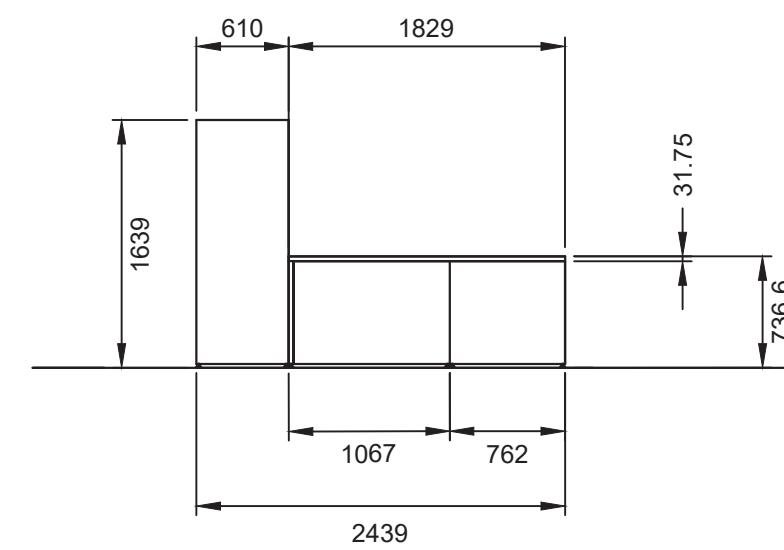
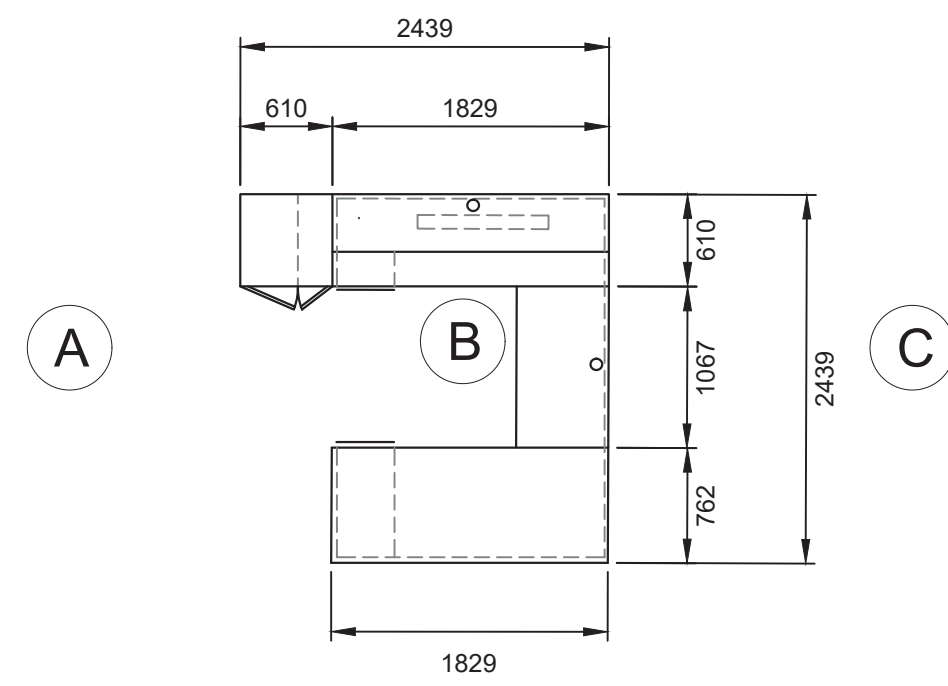
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CHECKED BY:	CONTRACT NO.:
M. BILLINGS	W912ER22C0026
SUBMITTED BY:	PLOT DATE:
J. RANEY	2022-09-21
SIZE:	FILE NAME:
ANSI D	UE401070B-IF114.DWG

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

AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UE-401070

SHEET ID
B
F114

NOTE: TO BE USED IN CONJUNCTION WITH THE FF&E DATA SHEETS IN ATTACHMENT A



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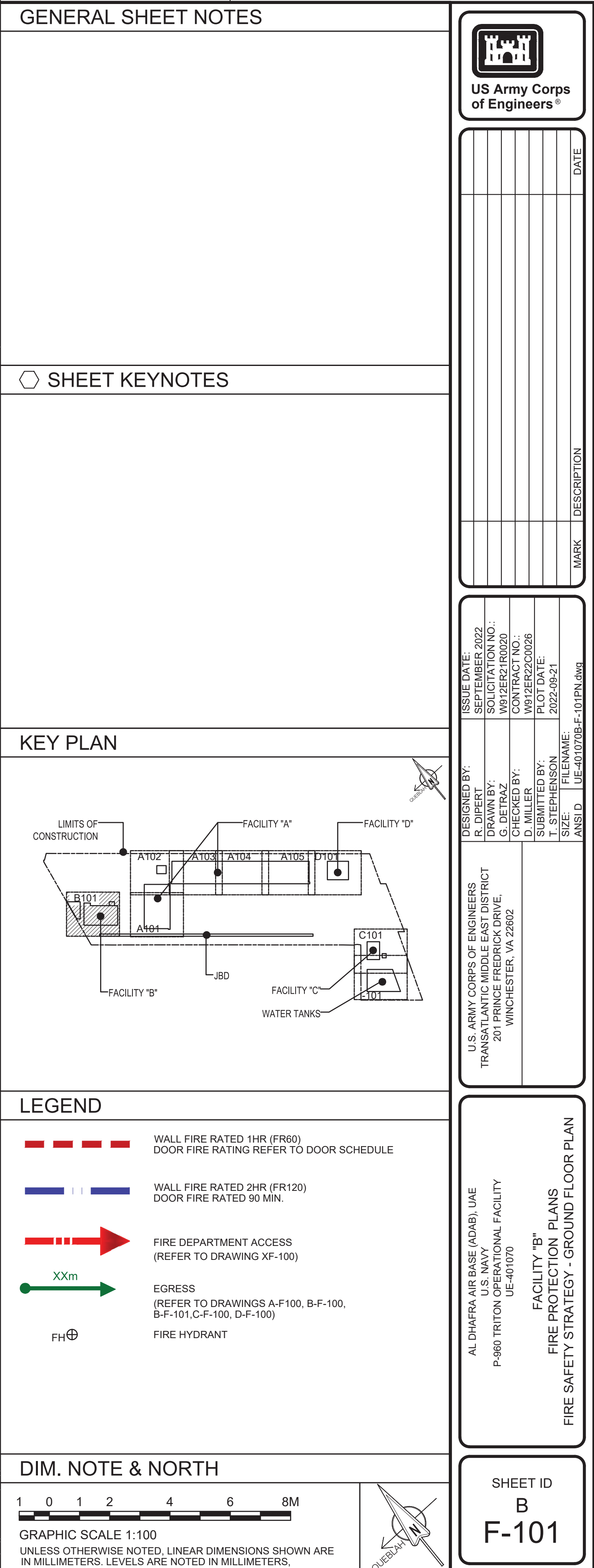
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S. ONEILL	W912ER21R0020
CHECKED BY:	CONTRACT NO.:
M. BILLINGS	W912ER22C0026
SUBMITTED BY:	PLOT DATE:
J. RANEY	2022-09-21
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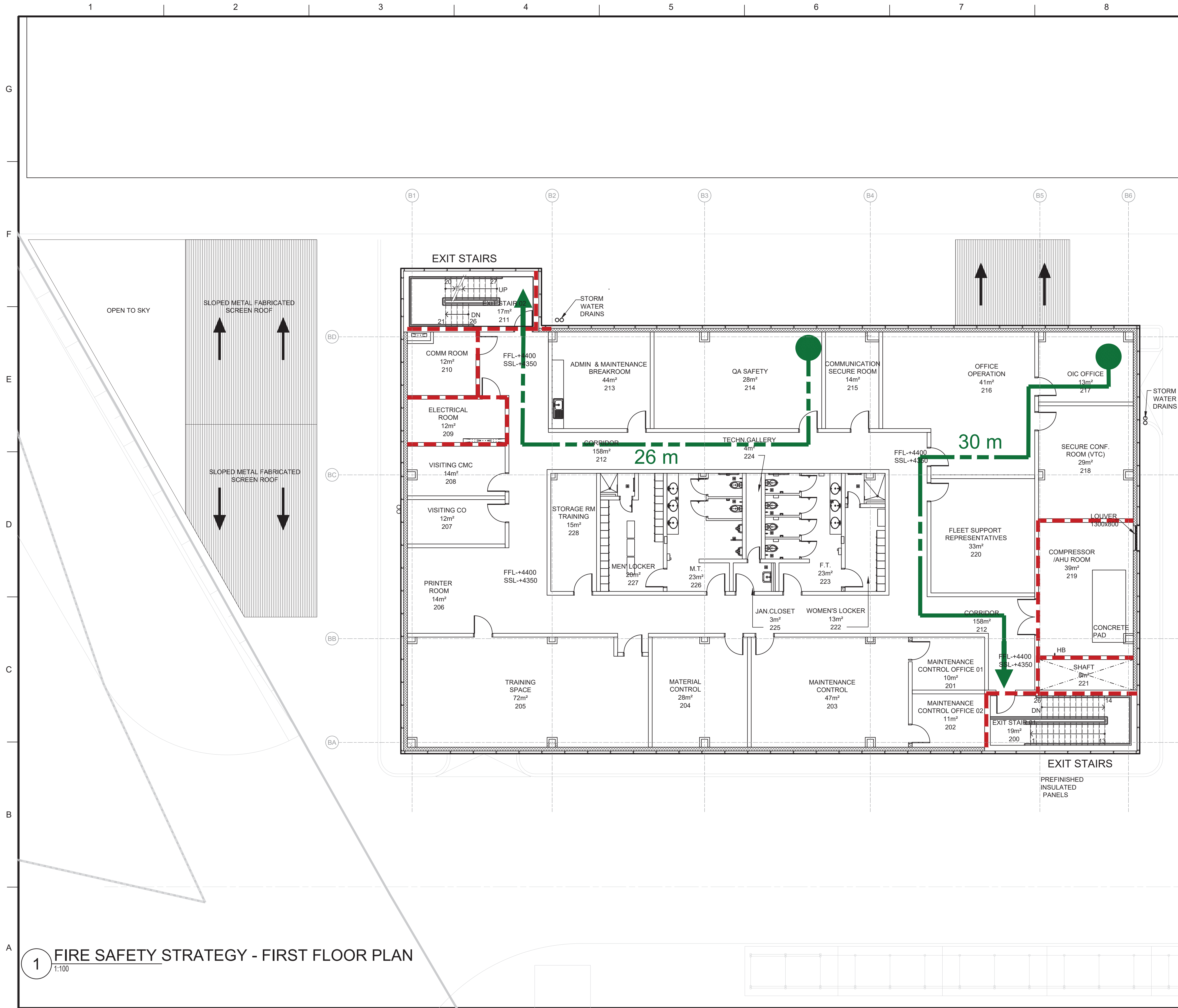
U.S. ARMY CORPS OF ENGINEERS
TRANSATLANTIC MIDDLE EAST DISTRICT
201 PRINCE FREDERICK DRIVE
WINCHESTER, VA 22602

AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UE-401070

SHEET ID
B
F115

NOTE: TO BE USED IN CONJUNCTION WITH THE FF&E DATA SHEETS IN ATTACHMENT A





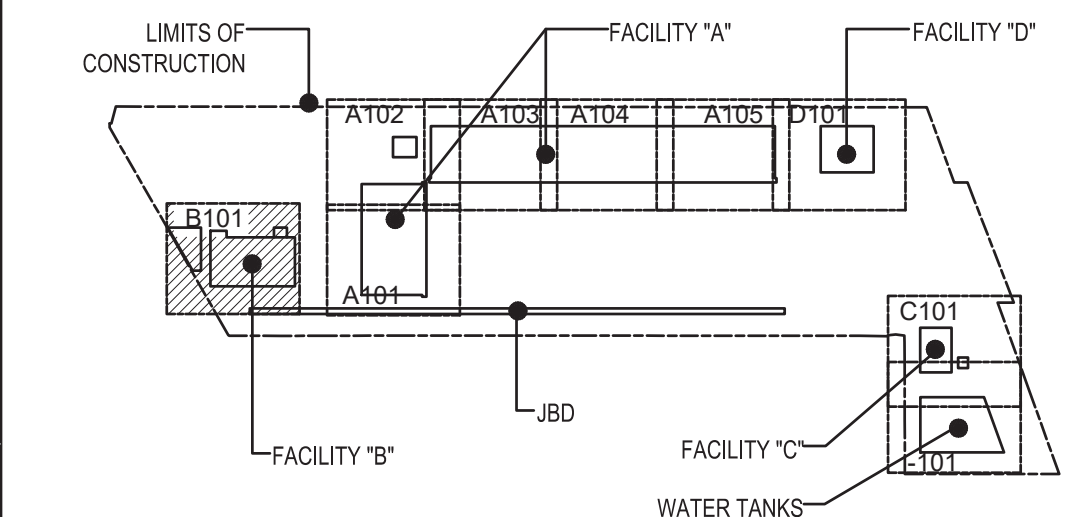
GENERAL SHEET NOTES



US Army Corps
of Engineers®

SHEET KEYNOTES

KEY PLAN



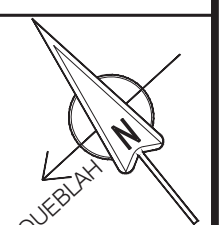
LEGEND

- WALL FIRE RATED 1HR (FR60)
DOOR FIRE RATING REFER TO DOOR SCHEDULE
- WALL FIRE RATED 2HR (FR120)
DOOR FIRE RATED 90 MIN.
- FIRE DEPARTMENT ACCESS
(REFER TO DRAWING XF-100)
- EGRESS
(REFER TO DRAWINGS A-F-100, B-F-100,
B-F-101, C-F-100, D-F-100)
- FH ⊕ FIRE HYDRANT

DIM. NOTE & NORTH

1 0 1 2 4 6 8M

GRAPHIC SCALE 1:100
UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE
IN MILLIMETERS. LEVELS ARE NOTED IN MILLIMETERS.



AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UE-401070

FACILITY "B"
FIRE PROTECTION PLANS
FIRE SAFETY STRATEGY - FIRST FLOOR PLAN

SHEET ID
B
F-102



SHEET ID
B
F-190

ROOM LEGEND-GROUND FLOOR	
NUMBER	ROOM NAME
100	GENERAL STORAGE
101	BATTERY SHOP
102	VALVE ROOM
103	EXIT STAIR 01
104	AIR FRAMES (AM)
105	MECHANICAL SHOP(AD)
106	ELECTRICAL INSTRUMENTS(AE)
107	ELECTRONICS TECH (AT) WORK CENTER

ROOM LEGEND-GROUND FLOOR	
NUMBER	ROOM NAME
108	SECURED STORAGE
109	CONSUMABLE STORAGE
110	UPS ROOM
111	ELECTRICAL ROOM
112	COMM.ROOM
113	EXIT STAIR 02
114	ENCLOSED GENERATOR ROOM
115	UNITIZED SUBSTATION ROOM

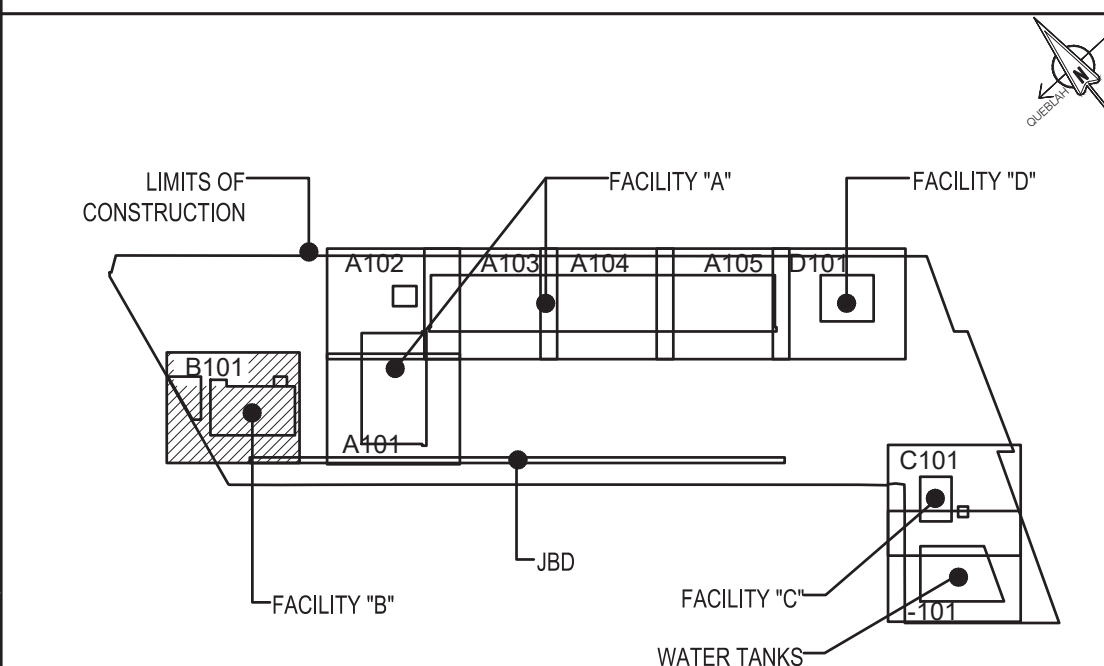
GENERAL SHEET NOTES

1. A INTEGRATED FIRE DETECTION AND ALARM AND MASS NOTIFICATION SYSTEM IN FULL COMPLIANCE WITH RELEVANT NFPA, UFC AND LOCAL REGULATIONS SHALL BE PROVIDED BY THE CONTRACTOR.
2. THE FAS PROVIDED BY THE CONTRACTOR SHALL BE CAPABLE OF INTEGRATION WITH THE MAIN FIRE STATION.
3. REFER TO SPECS (283176), SCHEMATICS AND CAUSE & EFFECT DIAGRAM FOR FURTHER REQUIREMENTS.
4. THE INTEGRATION TO THE MAIN FIRE STATION IS OUTSIDE THE CONTRACTOR'S SCOPE OF WORK.
5. THE CONTRACTOR SHALL PROVIDE REQUIRED INTERFACE MODULES, NECESSARY CONNECTIONS AND PERFORM CONFIGURATION TO ESTABLISH THE INTERFACE HVAC (INCLUDING DUCT SMOKE DETECTORS), FIRE SUPPRESSION AND OTHER SYSTEMS.
6. FLAME DETECTION SYSTEM SHALL BE PROVIDED SUCH THAT ALL OF THE HANGAR BAY FLOOR ARE WITHIN THE CONE OF VISION OF 3 DETECTORS.
7. EXTERIOR MOUNTED DEVICES, BACK BOXES, CONDUITS & JUNCTION BOXES SHALL BE OUTDOOR RATED/WEATHER PROOF.
8. REFER TO UE-401070-G-030GN FOR DETAILED NOTES.

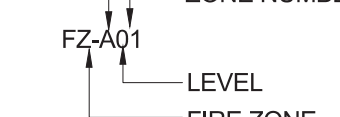
SHEET KEYNOTES

- | | |
|----|--|
| 01 | DETECTOR LOOP, 2Cx1.5mm ² , LSOH. |
| 02 | NOTIFICATION CIRCUIT, 2Cx2.5mm ² , LSOH. |
| 03 | VES CIRCUIT, 2Cx2.5mm ² , LSOH. |
| 04 | MASS NOTIFICATION CABLE, 2Cx1.5mm ² , LSOH. |
| 05 | REFER TO RCP LAYOUTS FOR FINAL LOCATIONS. |
| 06 | REFER TO SHEET T-508 FOR TYPICAL MOUNTING DETAILS. |
| 07 | PHYSICAL CABLE LOOP ARE INDICATIVE.THE ROUTE, NUMBERING ETC. SHALL BE FURTHER COORDINATED IN THE 100% DESIGN SUBMISSION. |
| 08 | REFER TO SHEET XFA700 FAS SCHEMATIC DIAGRAM. |
| 09 | PANEL NETWORK, 2Cx1.5MM ² LSOH |
| 10 | MONITOR/CONTROL MODULES SHALL BE PROVIDED FOR ALL INTERFACES. |

KEY PLAN



LEGEND

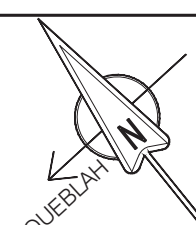
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|---|---|---|----------------------------------|
|  | SMOKE DETECTOR |  | STROBE LIGHT |
|  | SMOKE DETECTOR WITH REMOTE INDICATOR (ABOVE CEILING) |  | STROBE LIGHT - W/P |
|  | SMOKE DETECTOR WITH REMOTE INDICATOR (UNDER RAISED FLOOR) |  | FLAME DETECTOR |
|  | HEAT DETECTOR |  | FLAME DETECTION PANEL |
|  | MANUAL CALL POINT |  | FIRE ALARM CONTROL PANEL |
|  | VOICE EVACUATION SPEAKER CEILING MOUNT |  | MONITOR MODULE |
|  | VOICE EVACUATION SPEAKER SUSPENDED |  | STROBE AND HORN-W/P |
|  | ADDRESSABLE OUTPUT MODULE |  | SMOKE DETECTOR WITH SOUNDER BASE |
| | |  | AUTONOMOUS CONTROL UNIT |
| | |  | REMOTE ANNUNCIATORS PANEL |
| | |  | LOCAL OPERATOR CONSOLE |
| FIRE ZONE IDENTIFIER | |  | ASPIRATING SMOKE DETECTION |
|  | | | |

DIM. NOTE & NORTH



GRAPHIC SCALE 1:100

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

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U.S. ARMY CORPS OF ENGINEERS TRANSATLANTIC MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE, WINCHESTER, VA 22062	SEPTEMBER 26, 1961	SOLICITATION NO.: W812ER21R0020	DRAWN BY: G. DETRAZ	CONTRACT NO.: W812ER22C0026	PLOT DATE: 2022-05-21
			SUBMITTED BY: D. MILLER	FILE NAME: ANSI D	SIZE: UE-401070B-FA101PN.dwg

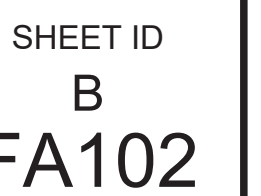
AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY

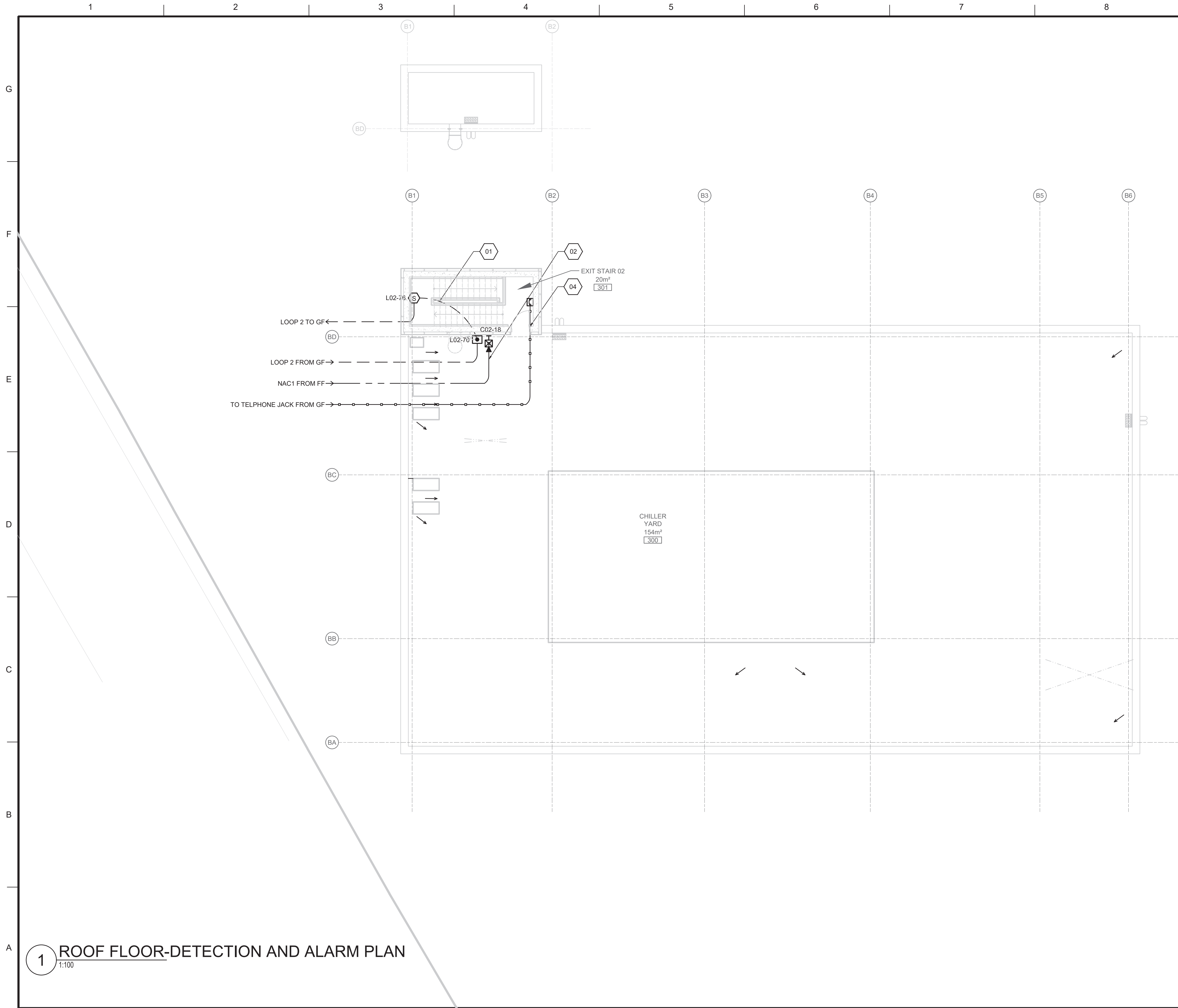
FACILITY "B"

SHEET ID

B
FA101

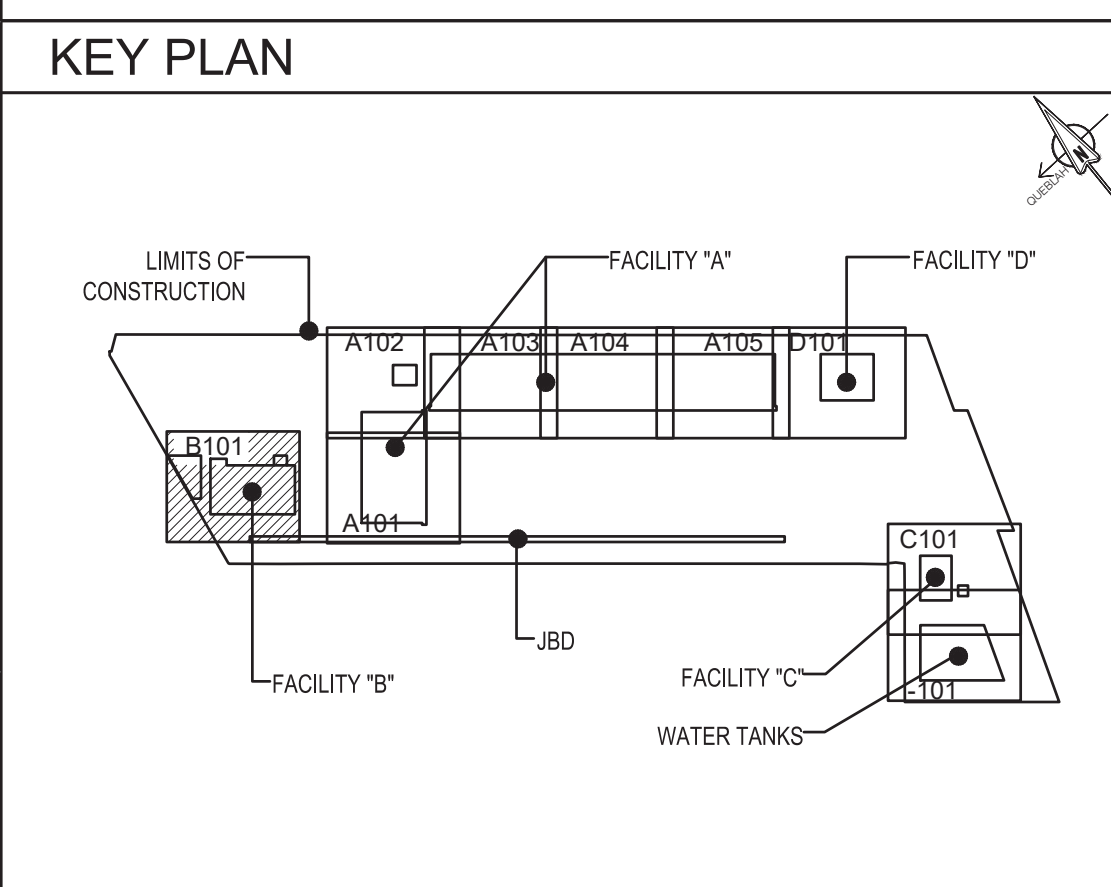
ROOM LEGEND-GROUND FLOOR	
NUMBER	ROOM NAME
224	FEMALE TOILET
225	TECHN.GALLERY
226	JAN.CLOSET
227	MALE TOILET
228	MEN' LOCKER
229	STORAGE RM TRAINING



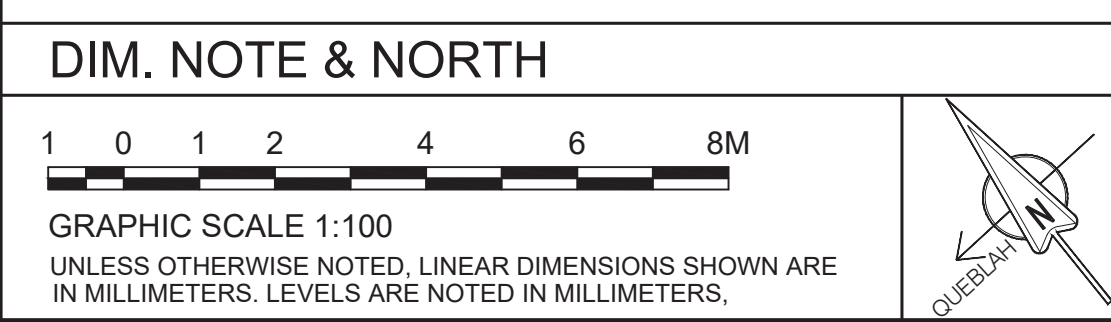


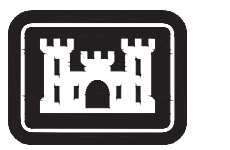
- ### GENERAL SHEET NOTES
- A INTEGRATED FIRE DETECTION AND ALARM AND MASS NOTIFICATION SYSTEM IN FULL COMPLIANCE WITH RELEVANT NFPA, UFC AND LOCAL REGULATIONS SHALL BE PROVIDED BY THE CONTRACTOR.
 - THE FAS PROVIDED BY THE CONTRACTOR SHALL BE CAPABLE OF INTEGRATION WITH THE MAIN FIRE STATION.
 - REFER TO SPECS (283176), SCHEMATICS AND CAUSE & EFFECT DIAGRAM FOR FURTHER REQUIREMENTS.
 - THE INTEGRATION TO THE MAIN FIRE STATION IS OUTSIDE THE CONTRACTOR'S SCOPE OF WORK.
 - THE CONTRACTOR SHALL PROVIDE REQUIRED INTERFACE MODULES, NECESSARY CONNECTIONS AND PERFORM CONFIGURATION TO ESTABLISH THE INTERFACE HVAC (INCLUDING DUCT SMOKE DETECTORS), FIRE SUPPRESSION AND OTHER SYSTEMS.
 - FLAME DETECTION SYSTEM SHALL BE PROVIDED SUCH THAT ALL OF THE HANGAR BAY FLOOR ARE WITHIN THE CONE OF VISION OF 3 DETECTORS.
 - EXTERIOR MOUNTED DEVICES, BACK BOXES, CONDUITS & JUNCTION BOXES SHALL BE OUTDOOR RATED/WEATHER PROOF.
 - REFER TO UE-401070-G-030GN FOR DETAILED NOTES.

- ### SHEET KEYNOTES
- DETECTOR LOOP, 2Cx1.5mm², LSOH.
 - NOTIFICATION CIRCUIT, 2Cx2.5mm², LSOH.
 - VES CIRCUIT, 2Cx2.5mm², LSOH.
 - FIRE TELEPHONE CABLE, 2Cx1.5mm², LSOH.
 - REFER TO RCP LAYOUTS FOR FINAL LOCATIONS.
 - REFER TO SHEET T-508 FOR TYPICAL MOUNTING DETAILS.
 - PHYSICAL CABLE LOOP ARE INDICATIVE.THE ROUTE, NUMBERING ETC. SHALL BE FURTHER COORDINATED IN THE 100% DESIGN SUBMISSION.
 - REFER TO SHEET XFA700 FAS SCHEMATIC DIAGRAM.
 - PANEL NETWORK, 2Cx1.5MM² LSOH
 - MONITOR/CONTROL MODULES SHALL BE PROVIDED FOR ALL INTERFACES.



- ### LEGEND
- | | |
|---|----------------------------------|
| SMOKE DETECTOR | STROBE LIGHT |
| SMOKE DETECTOR WITH REMOTE INDICATOR (ABOVE CEILING) | STROBE LIGHT - W/P |
| SMOKE DETECTOR WITH REMOTE INDICATOR (UNDER RAISED FLOOR) | FIRE TELEPHONE JACK |
| HEAT DETECTOR | FLAME DETECTOR |
| MANUAL CALL POINT | FLAME DETECTION PANEL |
| VOICE EVACUATION SPEAKER CEILING MOUNT | FIRE ALARM CONTROL PANEL |
| VOICE EVACUATION SPEAKER SUSPENDED | MONITOR MODULE |
| ADDRESSABLE OUTPUT MODULE | STROBE AND HORN |
| | STROBE AND HORN-W/P |
| | SMOKE DETECTOR WITH SOUNDER BASE |
| | ASPIRATING SMOKE DETECTION |
- FIRE ZONE IDENTIFIER
- FACILITY
- ZONE NUMBER
- LEVEL
- FIRE ZONE





US Army Corps of Engineers®

DATE	DESCRIPTION	MARK

ISSUE DATE: SEPTEMBER 2022	DESIGNED BY: R. DIPERT	U.S. ARMY CORPS OF ENGINEERS TRANSATLANTIC MIDDLE EAST DISTRICT 201 PRINCE FREDRICK DRIVE, WINCHESTER, VA 22602
SOLICITATION NO.: W912ER22C0026	DRAWN BY: D. MILLER	
CONTRACT NO.: W912ER22C0026	CHECKED BY: D. MILLER	
PLOT DATE: 2022-09-21	SUBMITTED BY: T. STEPHENSON	
FILENAME: UE-401070B-FA103PN.dwg	ANSI D:	

AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UE-401070

FACILITY "B"
FIRE PROTECTION DETECTION AND ALARM PLANS
ROOF FLOOR-DETECTION AND ALARM PLAN

SHEET ID
B
FA190

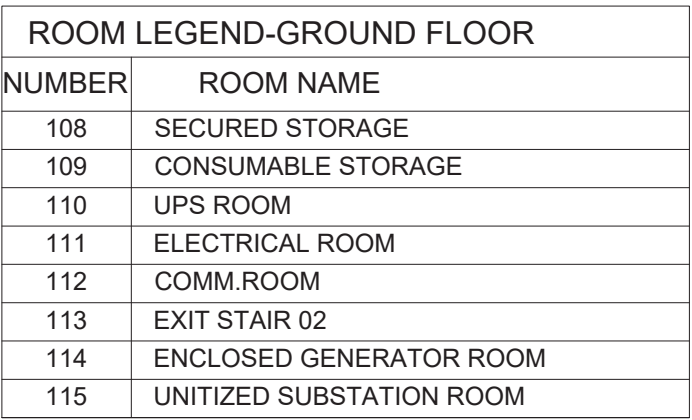
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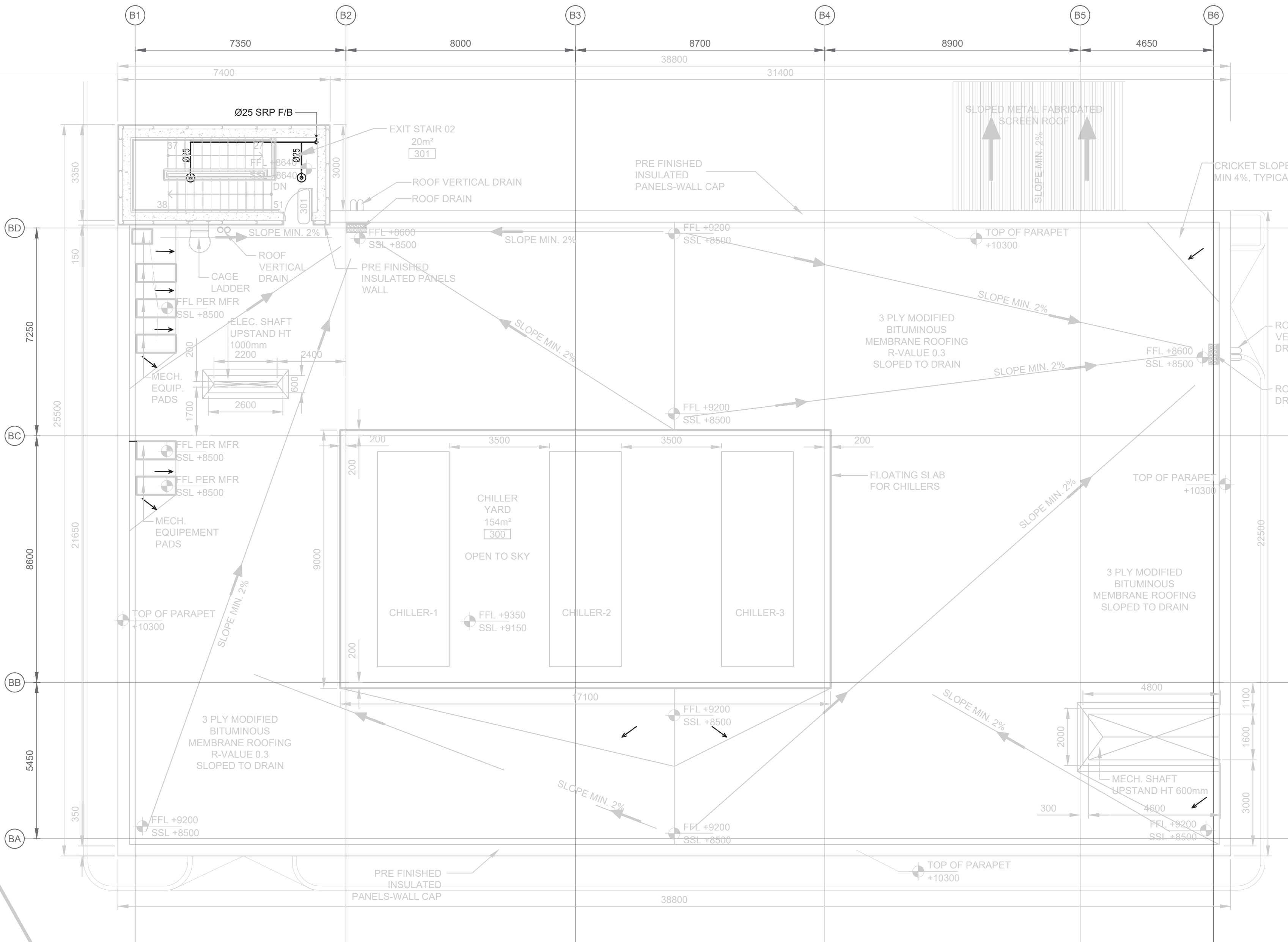
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G. DETRAZ	W912ER21R0200
CHECKED BY:	CONTRACT NO.:
D. MILLER	W912ER22C0026
SUBMITTED BY:	PLOT DATE:
T. STEPHENSON	2022-09-21
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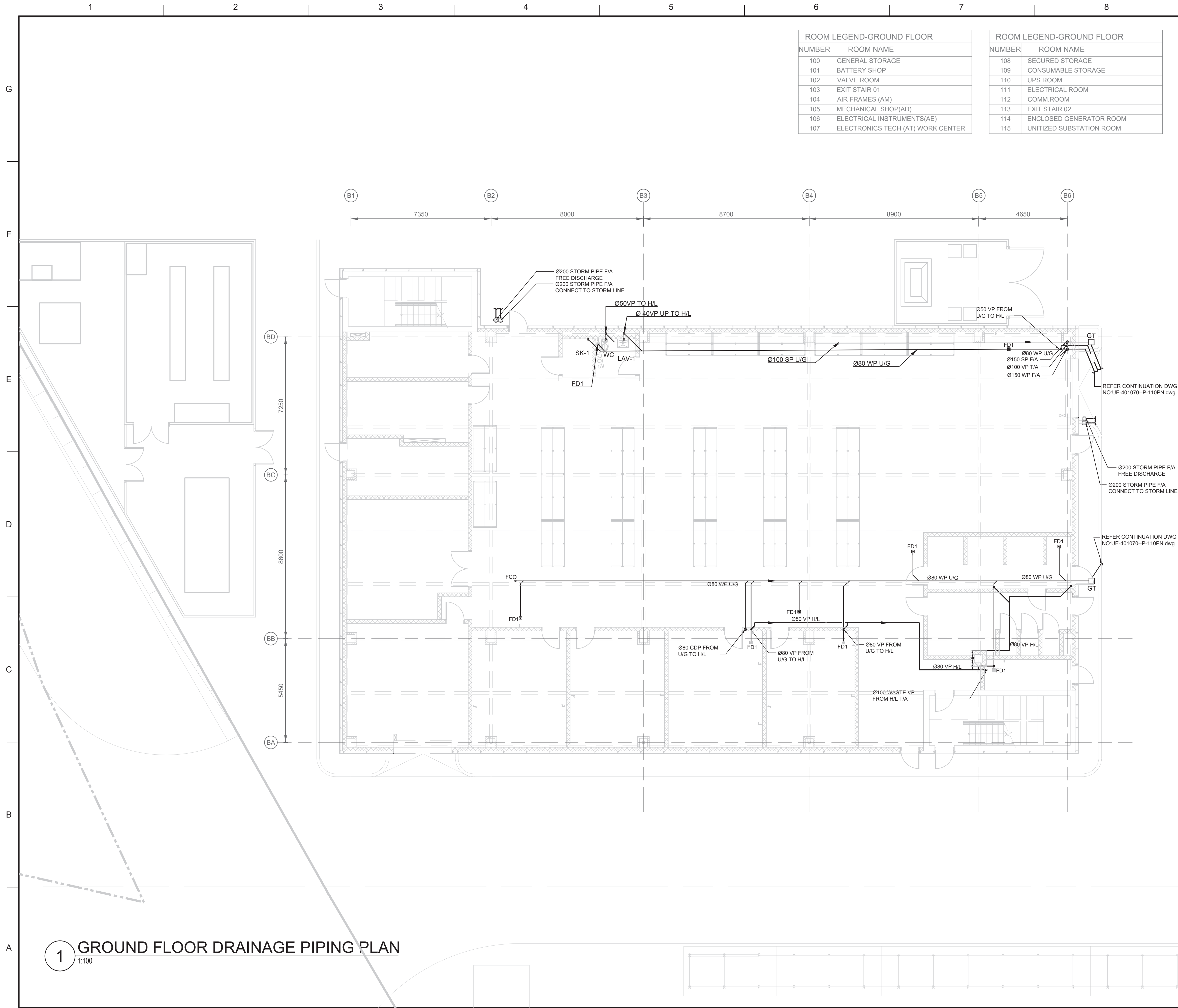
AL DIAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-360 TRITON OPERATIONAL FACILITY
UE-401070

SHEET ID
B
FA700









GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN

LEGEND

DIM. NOTE & NORTH

U.S. ARMY CORPS OF ENGINEERS

DESIGNED BY: C. CROSSIE

DRAWN BY: M. HARRIS

CHECKED BY: K. MCLELLAN

SUBMITTED BY: T. STEPHENSON

SIZE: 11x17

FILENAME: UE-401070B-PP101PN.dwg

U.S. ARMY CORPS OF ENGINEERS

TRANSATLANTIC MIDDLE EAST DISTRICT

201 PRINCE FREDRICK DRIVE

WINCHESTER, VA 22602

AL DHAFRA AIR BASE (ADAB), UAE

U.S. NAVY

P-960 TRITON OPERATIONAL FACILITY

UE-401070

FACILITY "B"

PLUMBING PIPING PLANS

GROUND FLOOR DRAINAGE PIPING PLAN

SHEET ID

B

PP101

ISSUE DATE: SEPTEMBER 2022

SOLICITATION NO.: W912ER22C0026

CONTRACT NO.: W912ER22C0026

PLOT DATE: 2022-09-21

FOR LEGENDS & SYMBOLS REFER TO SHEET G-033.

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

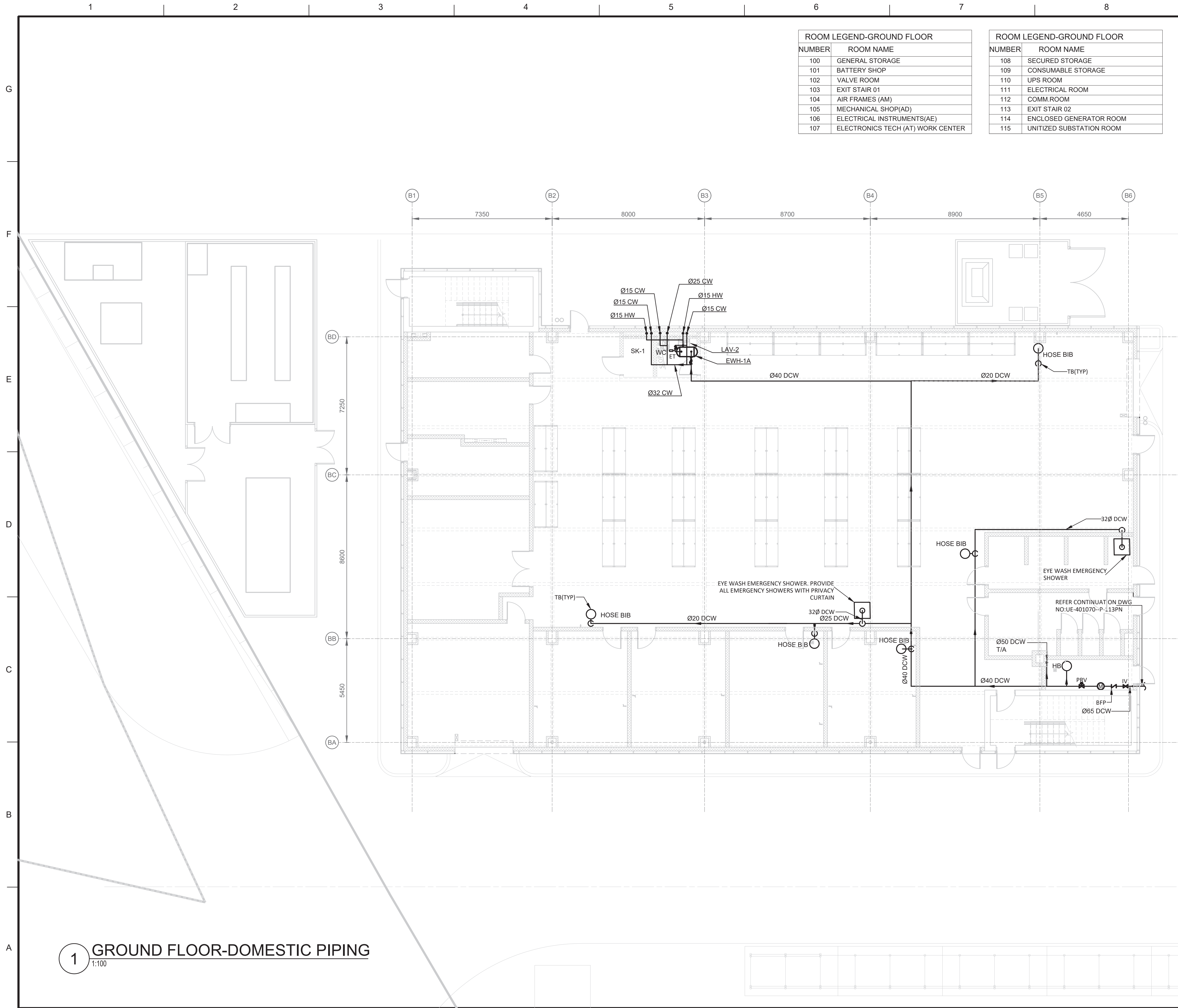
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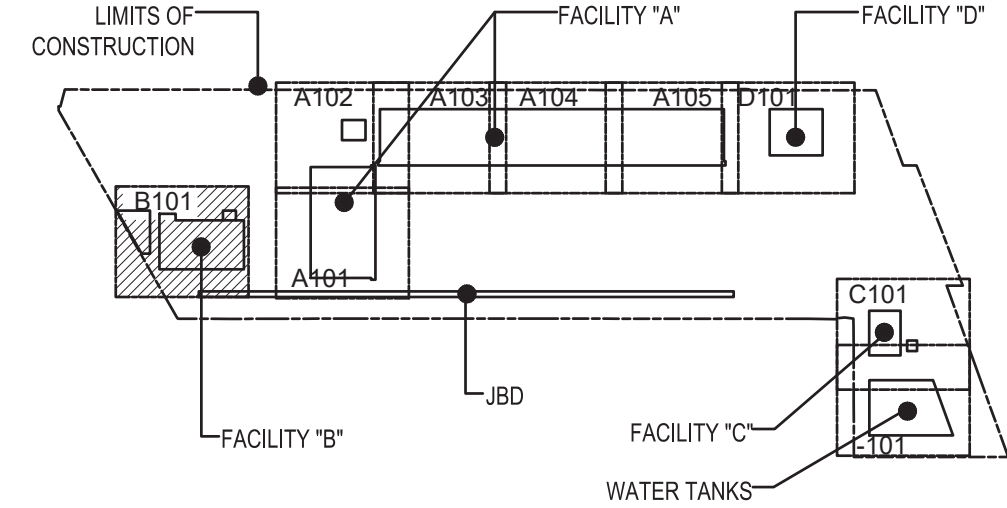
RELEASED FOR AWARD



GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN



LEGEND

FOR LEGENDS & SYMBOLS REFER TO SHEET G-033.

DIM. NOTE & NORTH



GRAPHIC SCALE 1:100
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ISSUE DATE: SEPTEMBER 2022
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CONTRACT NO.: W912ER22C0026
PLOT DATE: 2022-09-21
FILENAME: UE-401070B-PP103PN.dwg
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DESIGNED BY: C. CROSSIE
DRAWN BY: T. STEPHENSON
CHECKED BY: K. MCLELLAN
SUBMITTED BY: T. STEPHENSON
SIZE: 11x17

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

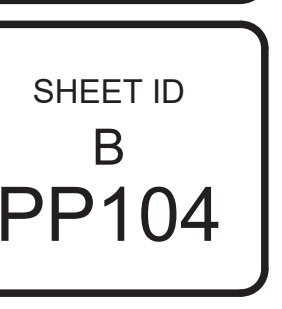
AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UE-401070

FACILITY "B"
PLUMBING PIPING PLANS
GROUND FLOOR- DOMESTIC PIPING

SHEET ID
B
PP103

ROOM LEGEND-GROUND FLOOR	
NUMBER	ROOM NAME
224	FEMALE TOILET
225	TECHN.GALLERY
226	JAN.CLOSET
227	MALE TOILET
228	MEN' LOCKER
229	STORAGE RM TRAINING

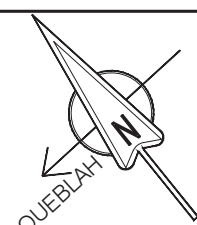
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UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE
IN MILLIMETERS. LEVELS ARE NOTED IN MILLIMETERS,



ROOM LEGEND-GROUND FLOOR	
NUMBER	ROOM NAME
224	FEMALE TOILET
225	TECHN.GALLERY
226	JAN.CLOSET
227	MALE TOILET
228	MEN' LOCKER
229	STORAGE RM TRAINING

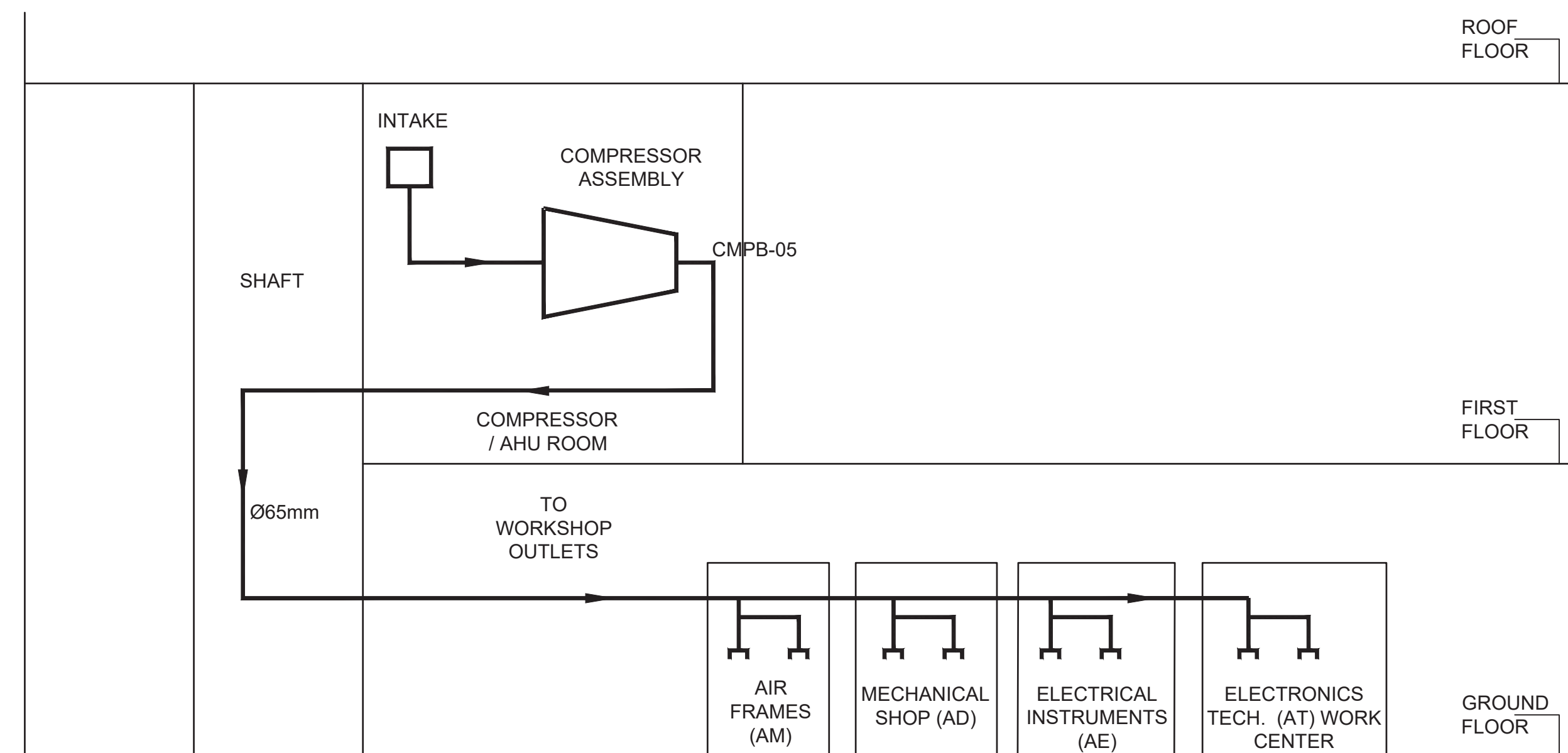
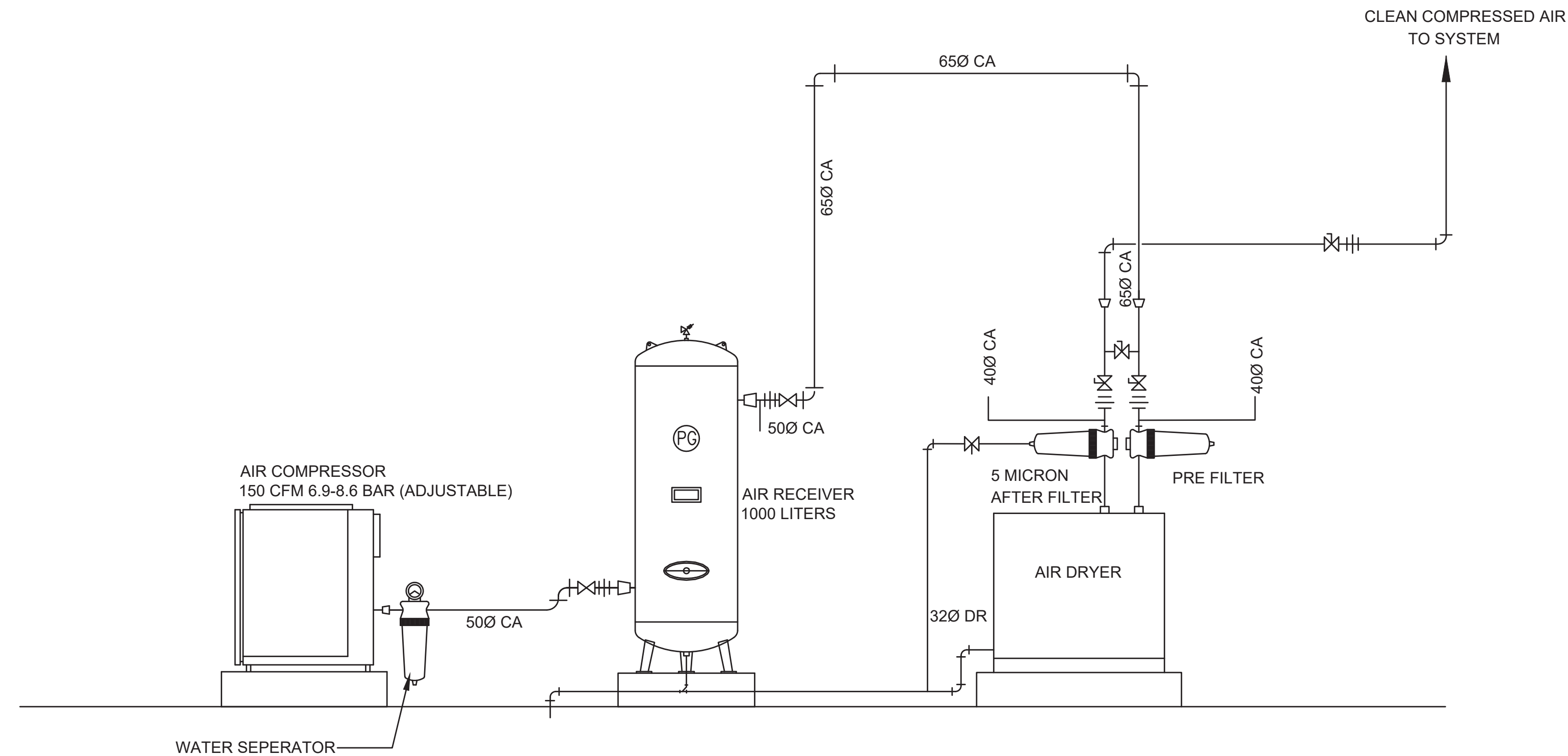
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FOR LEGENDS & SYMBOLS REFER TO SHEET G-033.

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C. CROSBIE	SEPTEMBER 2022
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G. DETRAZ	W912ER21R0020
CHECKED BY:	CONTRACT NO.:
K. MCLELLAN	W912ER22C0026
SUBMITTED BY:	PLOT DATE:
T. STEPHENSON	2022-09-21
SIZE:	FILENAME:
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U.S. ARMY CORPS OF ENGINEERS
TRANSATLANTIC MIDDLE EAST DISTRICT
201 PRINCE FREDRICK DRIVE,
WINCHESTER, VA 22602

AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
9-360 TRITON OPERATIONAL FACILITY
UE-401070

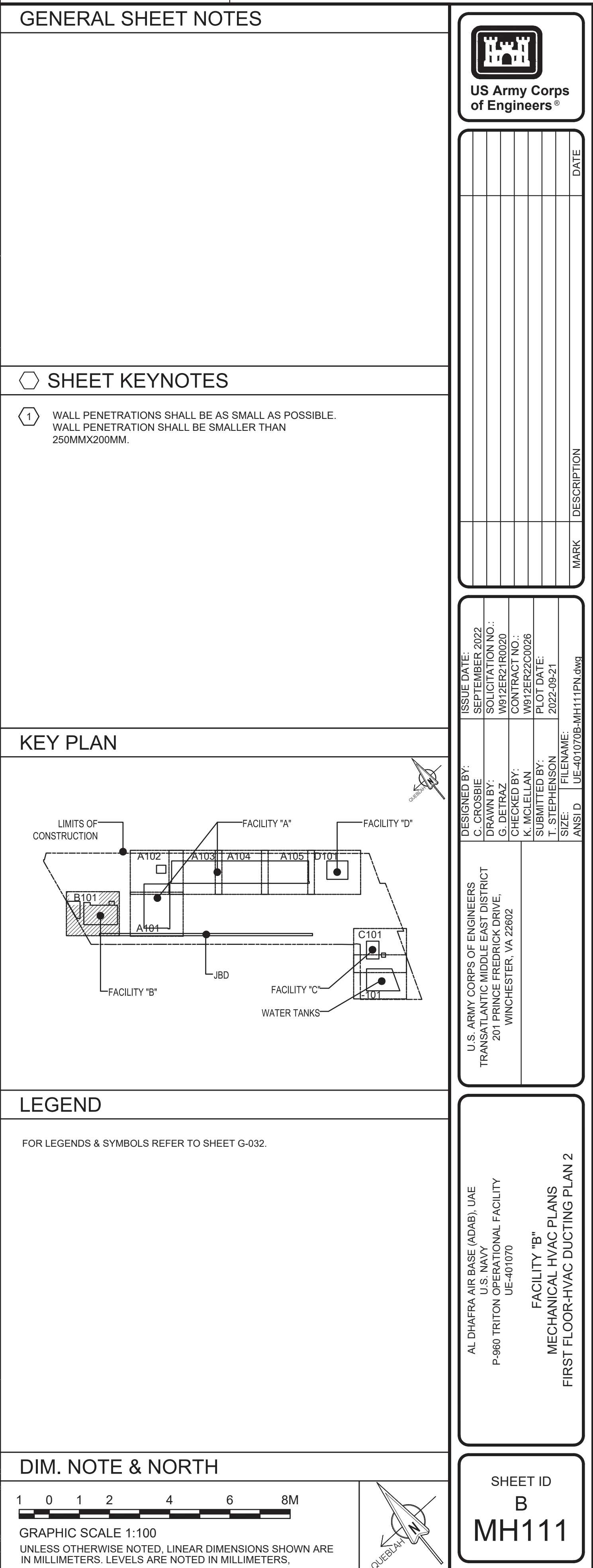
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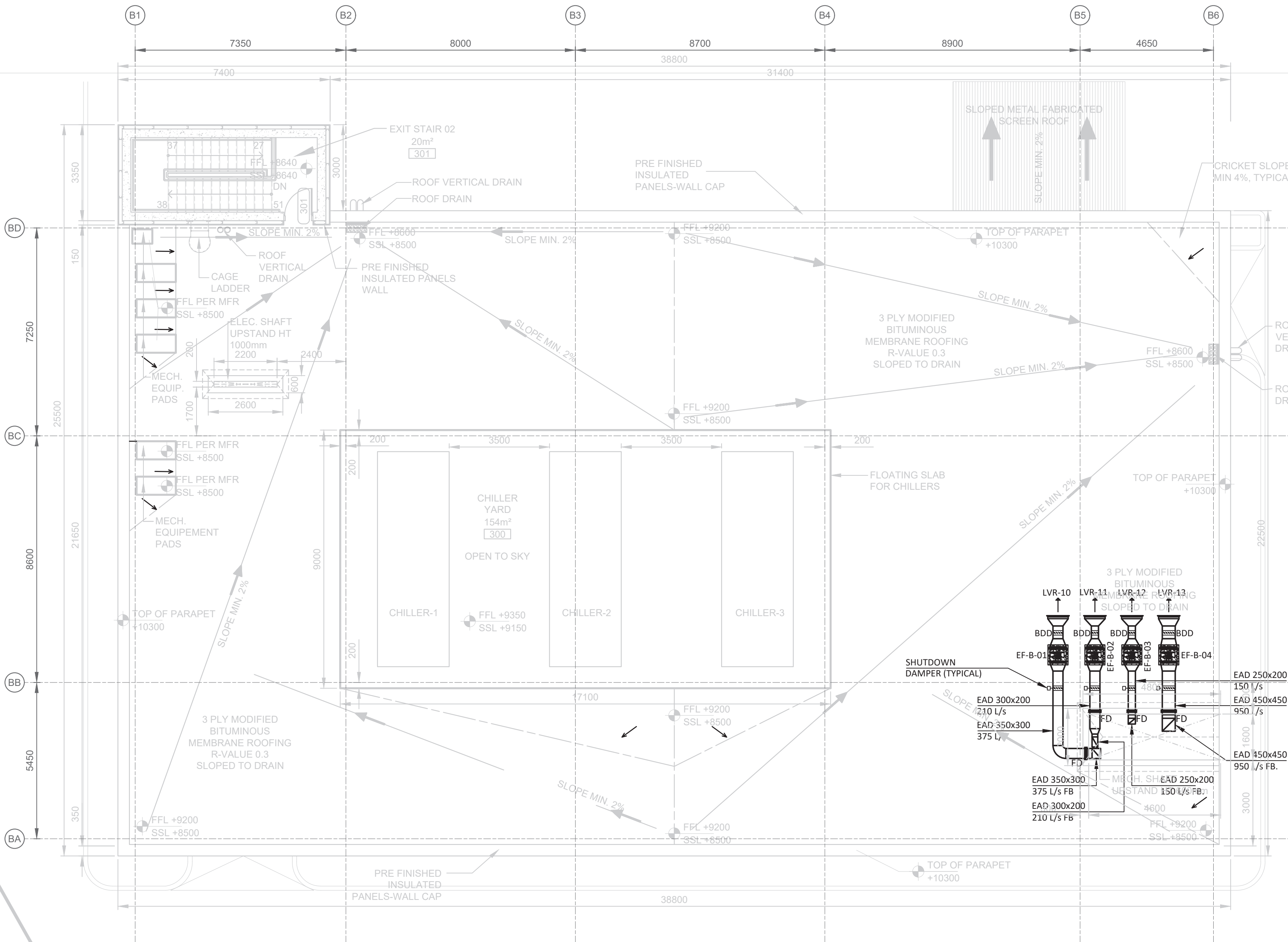
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COMPRESSED AIR DIAGRAM

SHEET ID
B
PP700

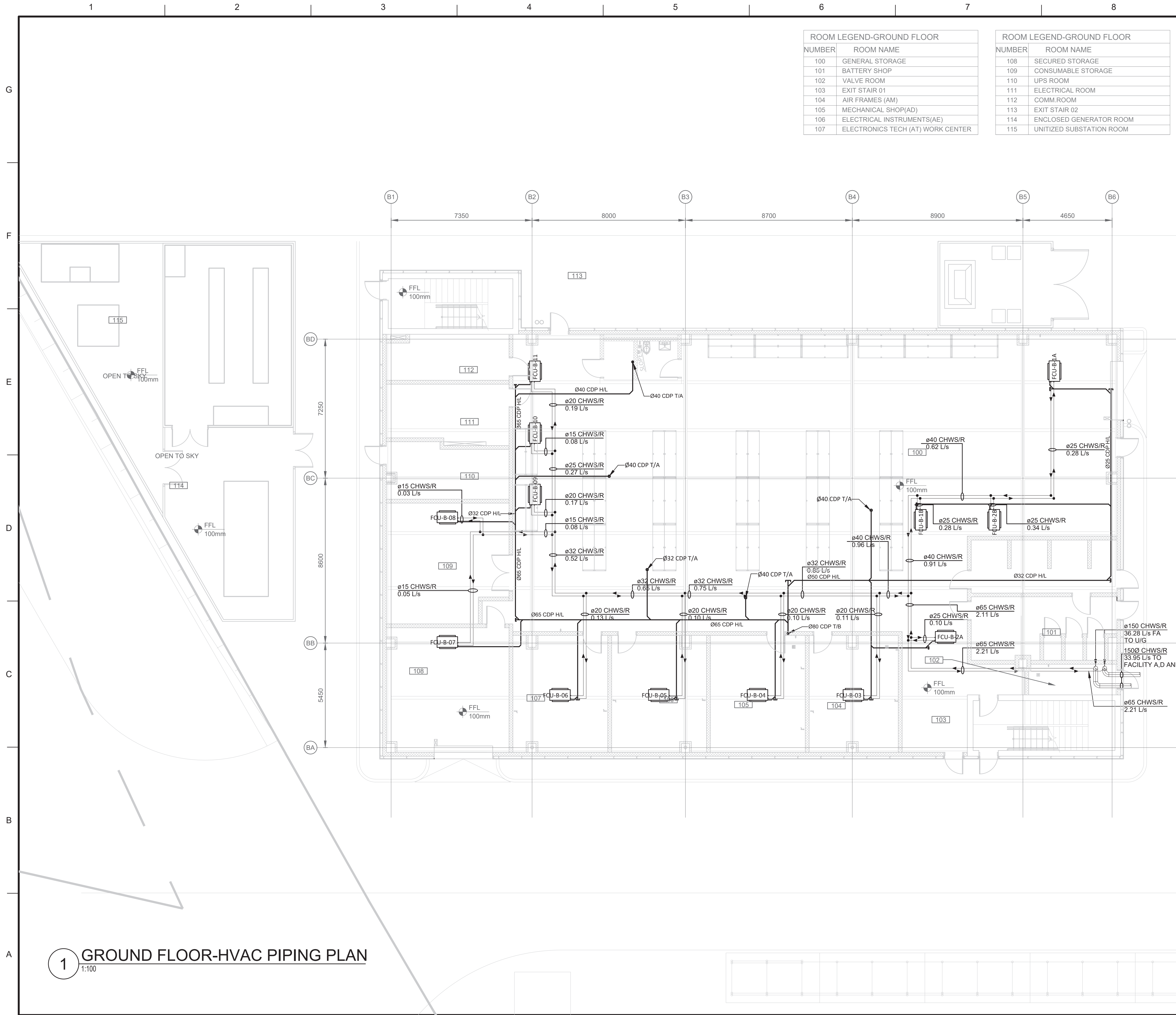
ROOM LEGEND-GROUND FLOOR	
NUMBER	ROOM NAME
224	FEMALE TOILET
225	TECHN.GALLERY
226	JAN.CLOSET
227	MALE TOILET
228	MEN' LOCKER
229	STORAGE RM TRAINING

ROOM LEGEND-GROUND FLOOR	
NUMBER	ROOM NAME
224	FEMALE TOILET
225	TECHN.GALLERY
226	JAN.CLOSET
227	MALE TOILET
228	MEN' LOCKER
229	STORAGE RM TRAINING









GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN

LEGEND

FOR LEGENDS & SYMBOLS REFER TO SHEET G-032.

DIM. NOTE & NORTH

1 0 1 2 4 6 8M

GRAPHIC SCALE 1:100
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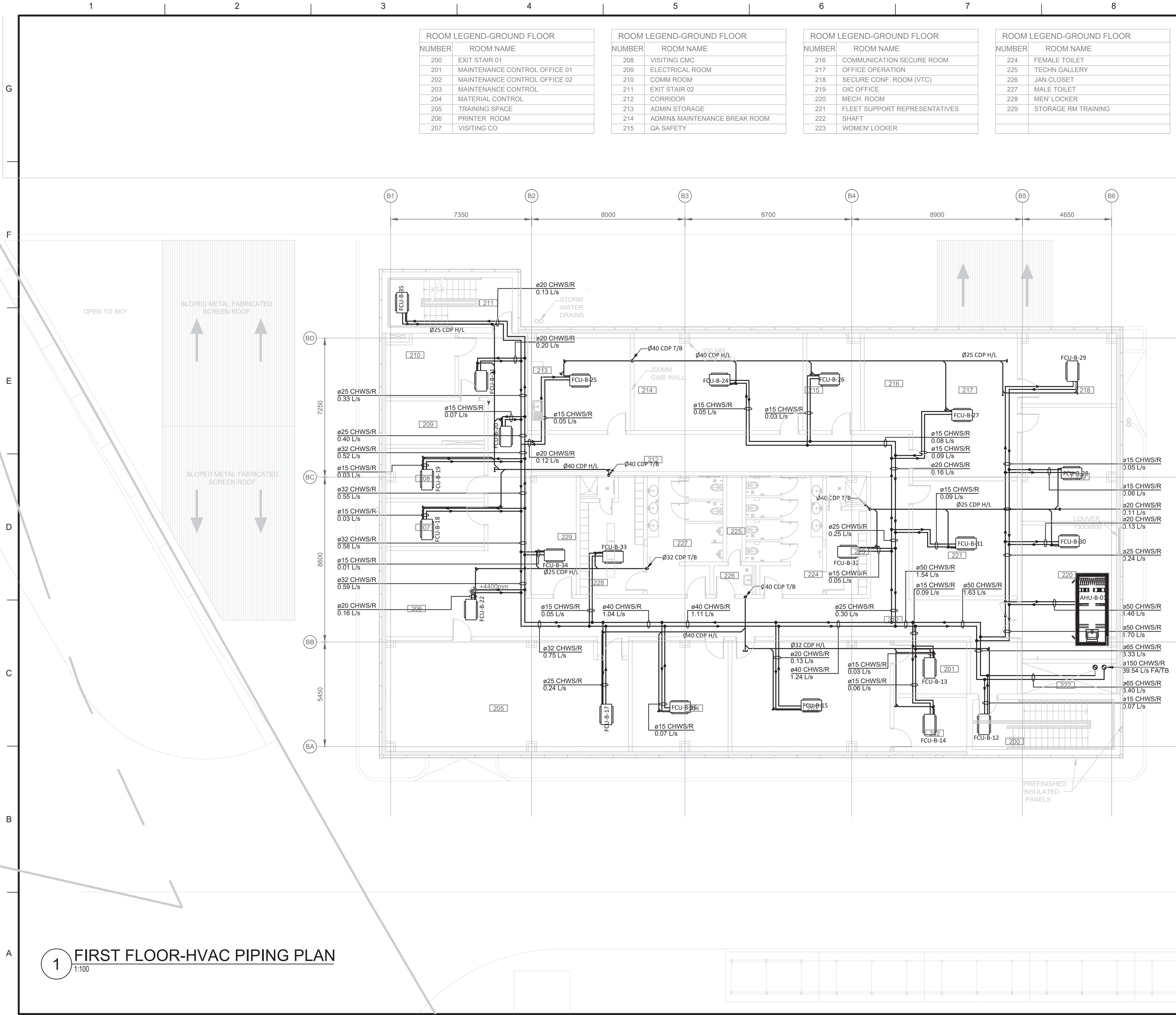
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DESIGNED BY: C. CROSBIE	ISSUE DATE: SEPTEMBER 2022
DRAWN BY: M. J. JONES	SOLICITATION NO.: W912ER22C0026
CHECKED BY: K. MCLELLAN	CONTRACT NO.: W912ER22C0026
SUBMITTED BY: T. STEPHENSON	PLOT DATE: 2022-09-21
SIZE: ANSI D	FILENAME: UE-401070B-MP100PN.dwg

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

AL DHAFRA AIR BASE (ADAB), UAE U.S. NAVY P-960 TRITON OPERATIONAL FACILITY UE-401070	FACILITY "B" MECHANICAL PIPING PLANS GROUND FLOOR-HVAC PIPING PLAN
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SHEET ID B MP100



GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN

LEGEND

FOR LEGENDS & SYMBOLS REFER TO SHEET G-032.

DIM. NOTE & NORTH

1 0 1 2 4 6 8M

GRAPHIC SCALE 1:100
UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS. LEVELS ARE NOTED IN MILLIMETERS.



US Army Corps of Engineers®

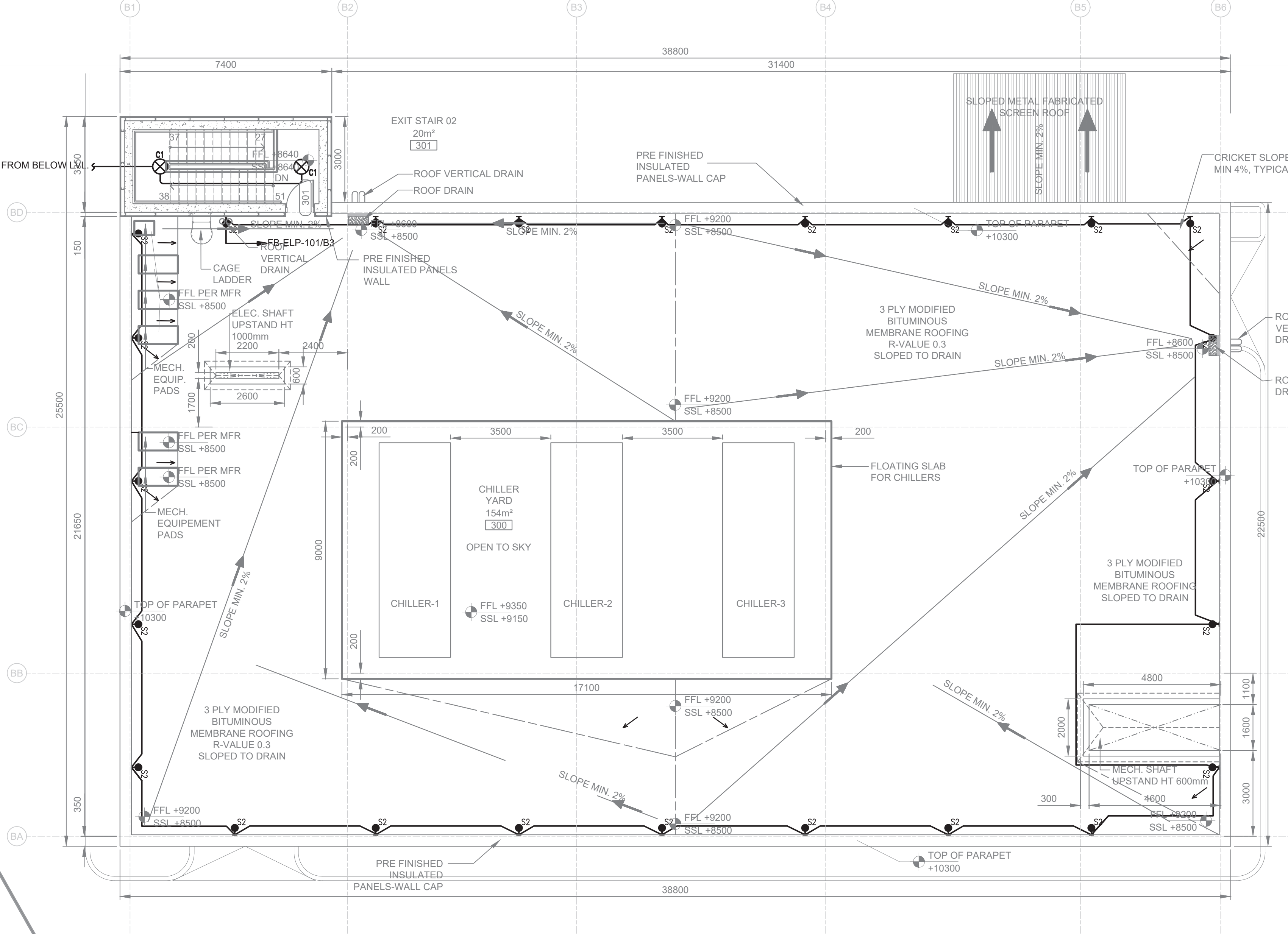
ISSUE DATE: SEPTEMBER 2022
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DRAWN BY: M. J. JONES
CHECKED BY: K. MCLELLAN
SUBMITTED BY: T. STEPHENSON
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U.S. ARMY CORPS OF ENGINEERS
TRANSATLANTIC MIDDLE EAST DISTRICT
201 PRINCE FREDRICK DRIVE
WINCHESTER, VA 22602

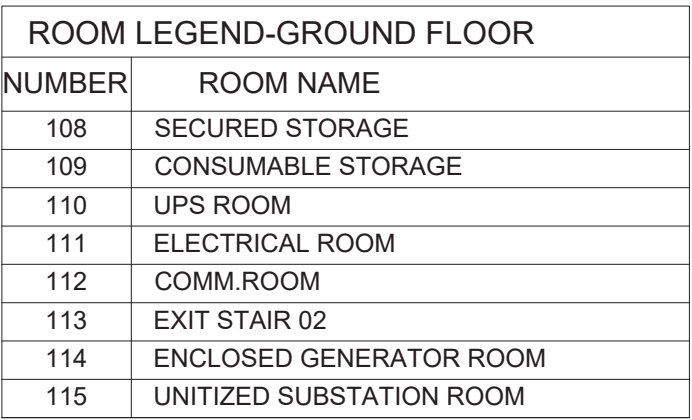
AL DHAFRA AIR BASE (ADAB), UAE
U.S. NAVY
P-960 TRITON OPERATIONAL FACILITY
UE-401070

FACILITY "B"
MECHANICAL PIPING PLANS
FIRST FLOOR-HVAC PIPING PLAN

SHEET ID
B
MP110



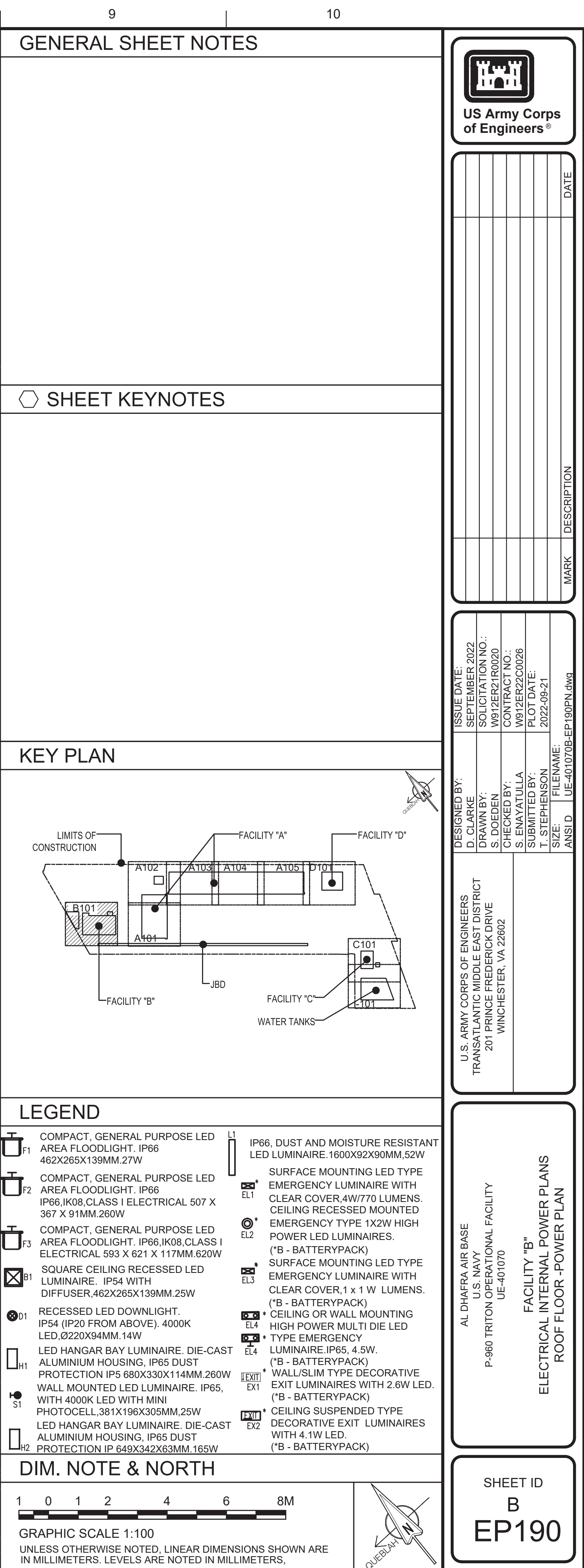
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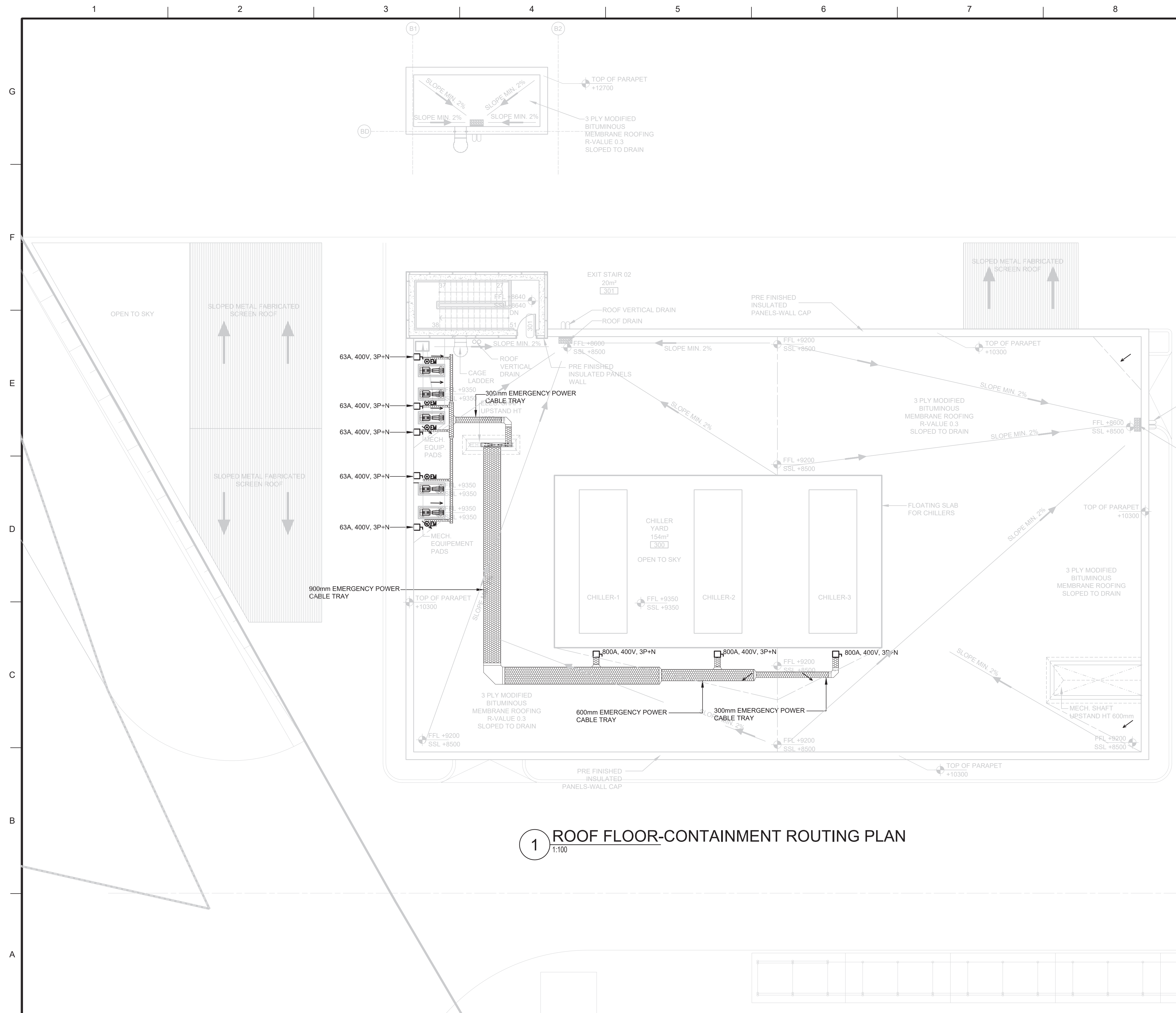


1. FOR ELECTRICAL LEGEND SEE SHEET UE-401070-G-034GN
2. FOR ELECTRICAL MAIN SINGLE LINE DIAGRAM SEE SHEET UE-401070-EP700DI.
3. FOR ELECTRICAL DETAILS SEE SHEETS UE-401070S-EL501DT
4. FOR LIGHT FIXTURE SCHEDULE AND CONTROL SEE UE-401070-E-600SC
5. HANGAR LIGHTING PANEL FOR EXTERNAL CIRCUITS SHALL BE CAPABLE OF CONTROLLING LIGHT VIA PHOTOCELL AND HAND/OFF/AUTO CONTROL INTEGRAL ON RESPECTIVE DISTRIBUTION BOARD AND INTERFACE WITH THE LIGHTING CONTROL SYSTEM.
6. DIMMING SWITCH SCHEMATIC DIAGRAM REFER TO UE-401070S-EL501DT.
7. GENERALLY LOCAL SWITCHING SHALL BE PROVIDED FOR ALL ROOMS AND AREAS, SERVICE ROOMS, UNLESS OTHERWISE STATED.
8. ALL LIFE SAFETY LIGHTING SHALL BE WIRED WITH FIRE RATED CABLES.
9. PROVIDE POWER SERVICE POINT(PSP) FREQUENCY CONVERTER FOR EACH AIR CRAFT , 45KVA, 208/120V, 3P, 42,400HZ, 28VDC, 100FT SECONDARY CABLE WITH END MATCHING PLUG TO CONNECT TO THE AIRCRAFT RECEPTACLE.
10. FOR ADDITIONAL NOTES REFER TO UE-401070-G-035GN

GRAPHIC SCALE 1:100
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GENERAL SHEET NOTES

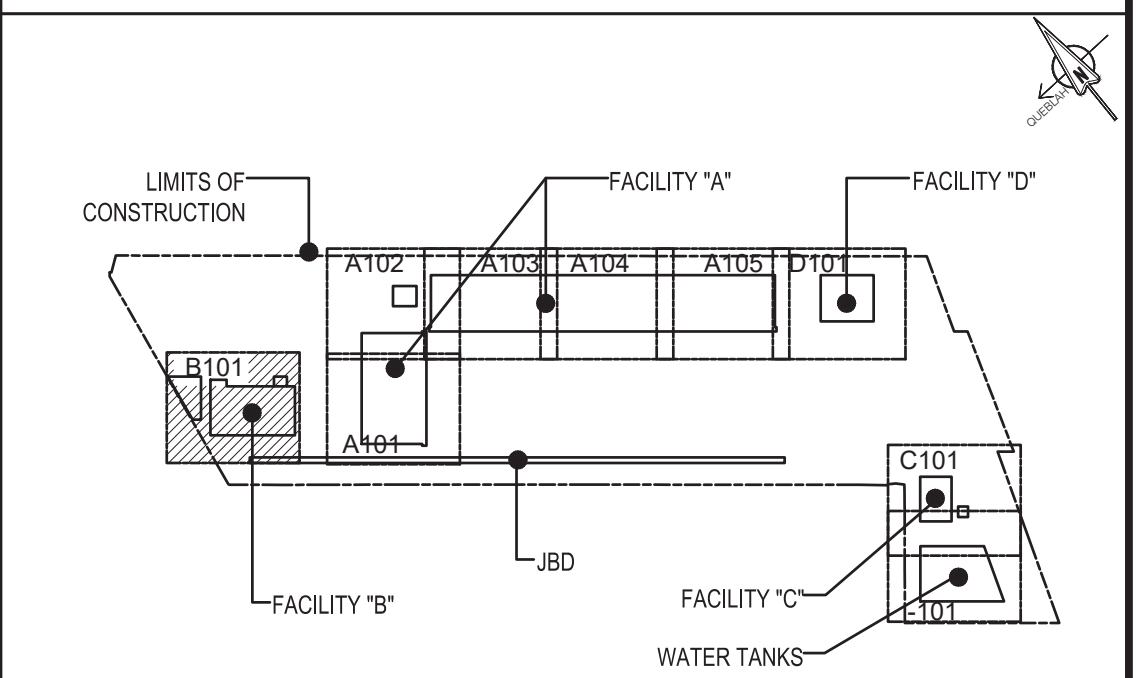


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 SHEET KEYNOTES

KEY PLAN



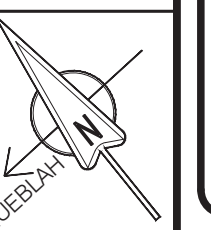
LEGEND

	SUB MAIN DISTRIBUTION PANEL
	DISTRIBUTION PANEL
	EMERGENCY POWER CABLE TRAY (SIZE INDICATED IN DRAWING)
	NORMAL POWER CABLE TRAY (SIZE INDICATED IN DRAWING)
	ELECTRICAL MOTOR WITH CONTROLLER & ISOLATORS SWITCH
	ISOLATOR SWITCH
	GSE POWER POINT
	uPVC DUCT (SIZE INDICATED IN DRAWING)

DIM. NOTE & NORTH



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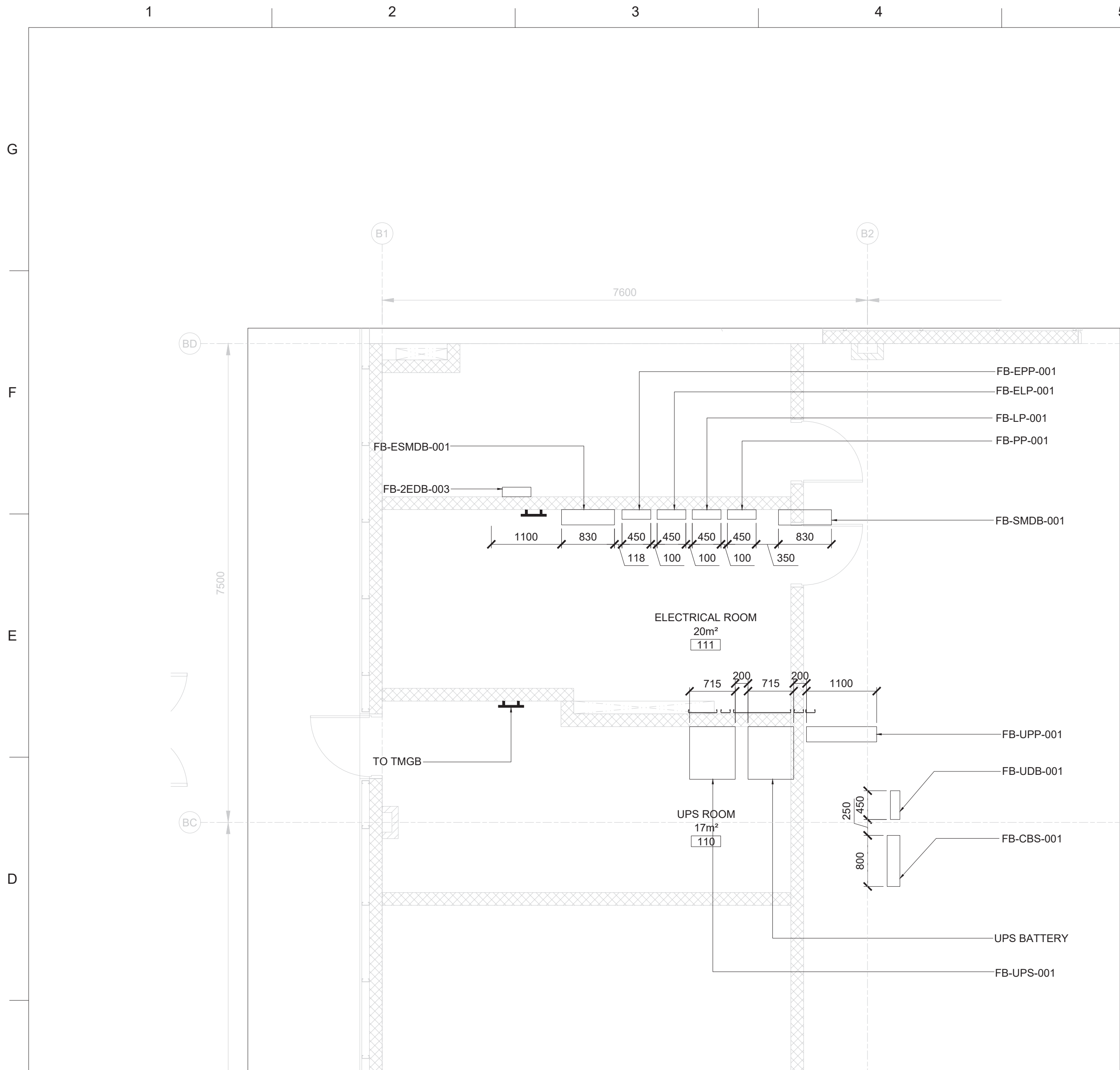


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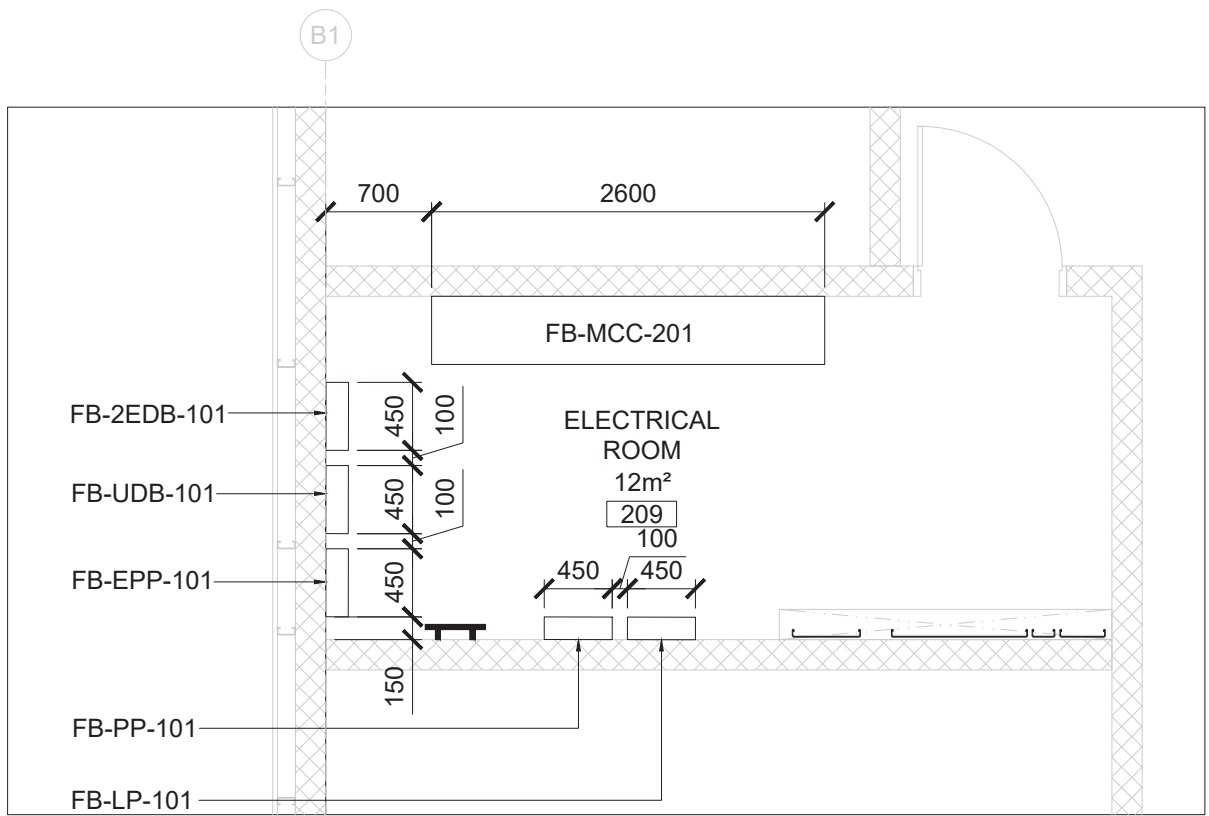
B

P191

ELECTRICAL INTERNAL POWER PLANS
ROOF FLOOR -CONTAINMENT ROUTING PLAN



1 ELECTRICAL ROOM LAYOUT (GROUND FLOOR)
E-100PN 1:50

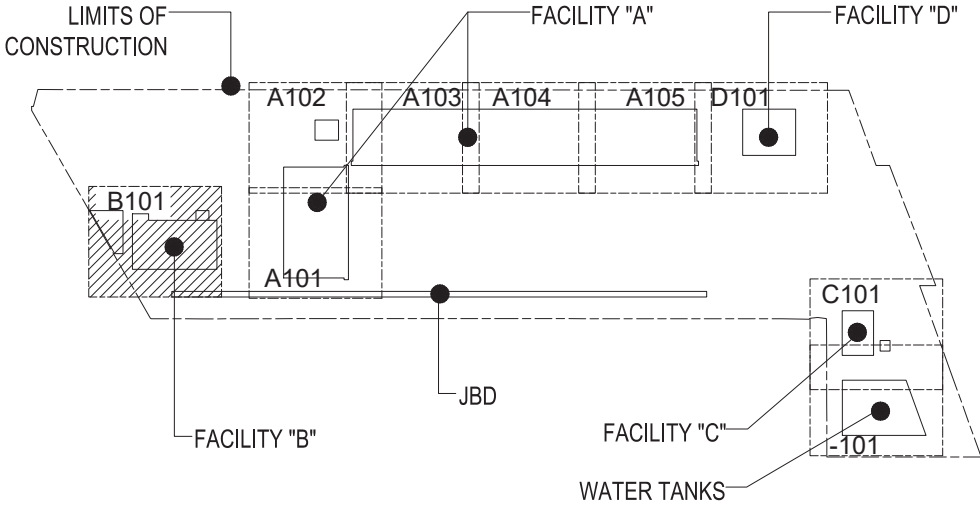


2 ELECTRICAL ROOM LAYOUT (FIRST FLOOR)
E-100PN 1:50

GENERAL SHEET NOTES

SHEET KEYNOTES

KEY PLAN

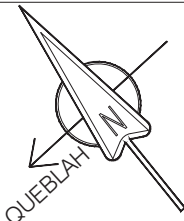


LEGEND

DIM. NOTE & NORTH

0.5 0 0.5 1 2 3 4M

GRAPHIC SCALE 1:50
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MARK	DESCRIPTION	DATE

DESIGNED BY: D. CLARKE	ISSUE DATE: SEPTEMBER 2022
DRAWN BY: M. HARRIS	SOLICITATION NO.: W912ER22C0026
CHECKED BY: S. ENAYATULLA	CONTRACT NO.: W912ER22C0026
SUBMITTED BY: T. STEPHENSON	PLOT DATE: 2022-09-21
SIZE: ANSI D	FILENAME: UE-401070B-EP400LS.dwg

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

AL DHAFRA AIR BASE
U.S. NAVY
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UE-401070
FACILITY "B"
ELECTRICAL INTERNAL POWER LARGE SCALE VIEWS
ELECTRICAL ROOM LAYOUT

SHEET ID

B
EP400

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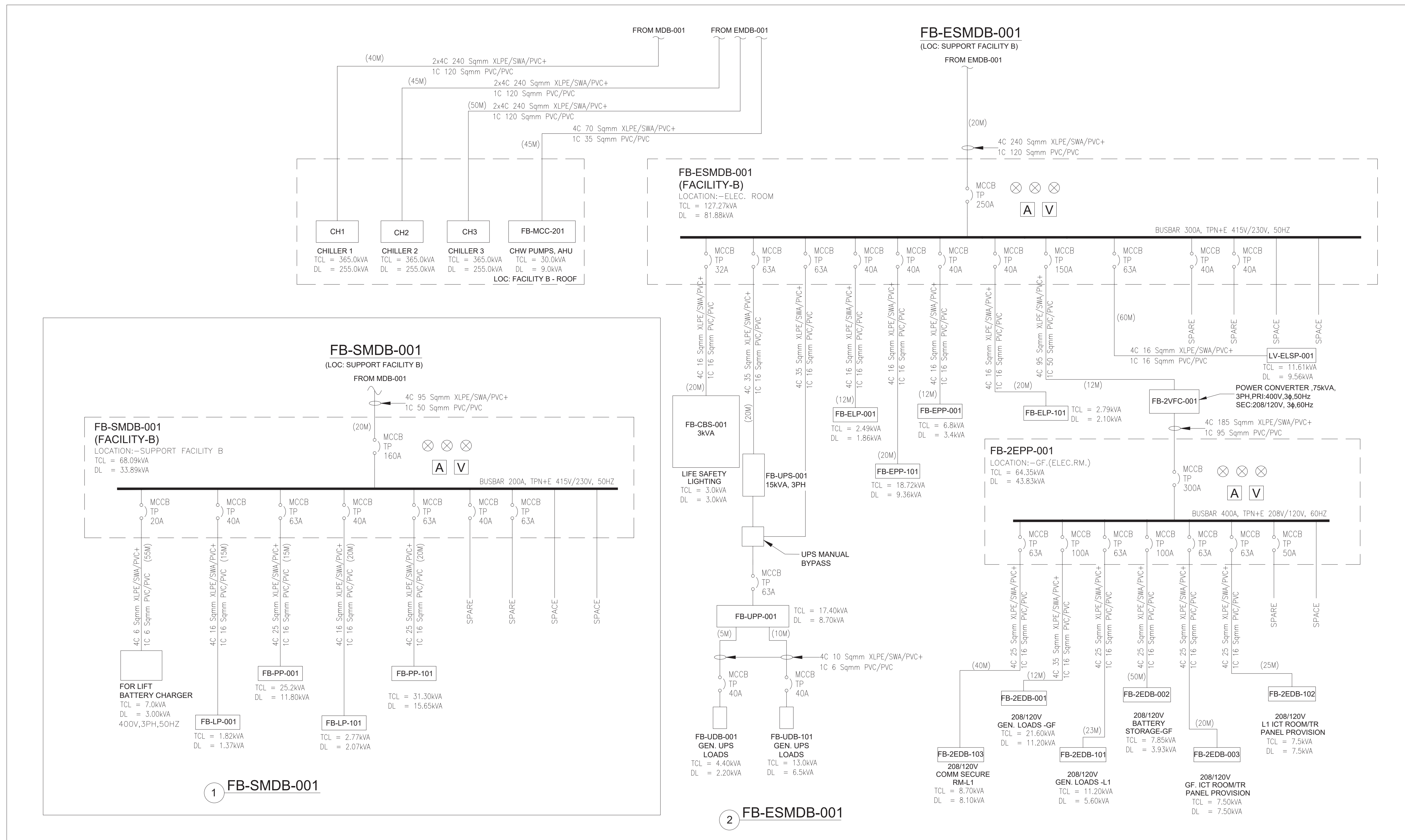
U.S. ARMY CORPS OF ENGINEERS TRANSATLANTIC MIDDLE EAST DISTRICT 201 PRINCE FREDERICK DRIVE WINCHESTER, VA 22602	DRAWN BY: S. DOEDEN CHECKED BY: S. ENAYATULLA SUBMITTED BY: T. STEPHENSON DATE: 2022-09-21	SOLIDIFICATION NO.: W912ER21R0020 CONTRACT NO.: W912ER22C00026 PLOT DATE: 2022-09-21
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FACILITY "B"

ELECTRICAL INTERNAL POWER DIAGRAMS
POWER SINGI F I N E DIAGRAM

SHEET ID
B
EP700



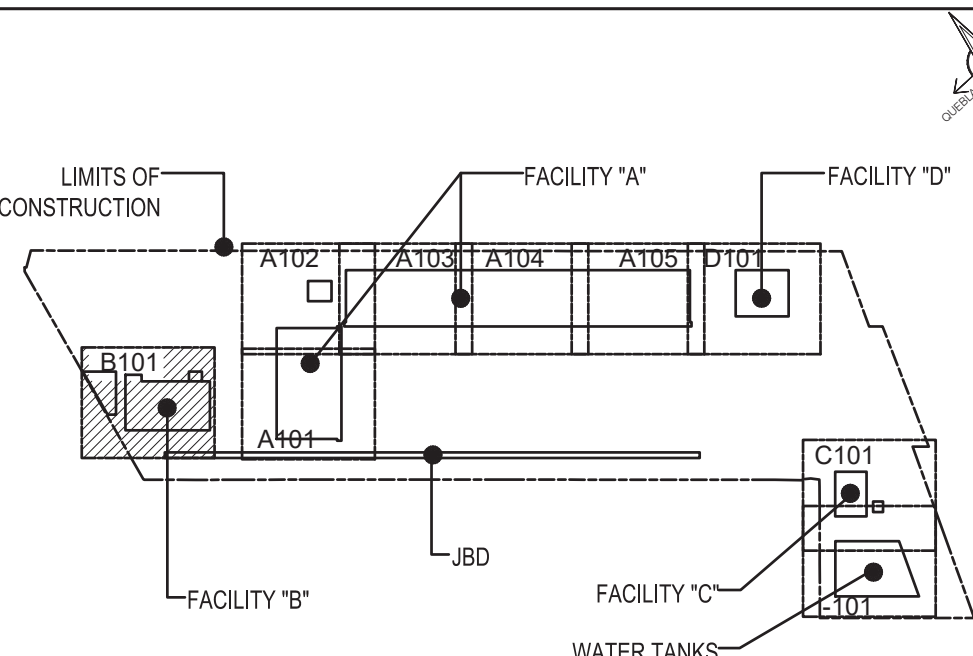
1 POWER SINGLE LINE DIAGRAM

ROOM LEGEND-GROUND FLOOR	
NUMBER	ROOM NAME
224	FEMALE TOILET
225	TECHN.GALLERY
226	JAN.CLOSET
227	MALE TOILET
228	MEN' LOCKER
229	STORAGE RM TRAINING

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- ## SHEET KEYNOTES

- ## KEY PLAN



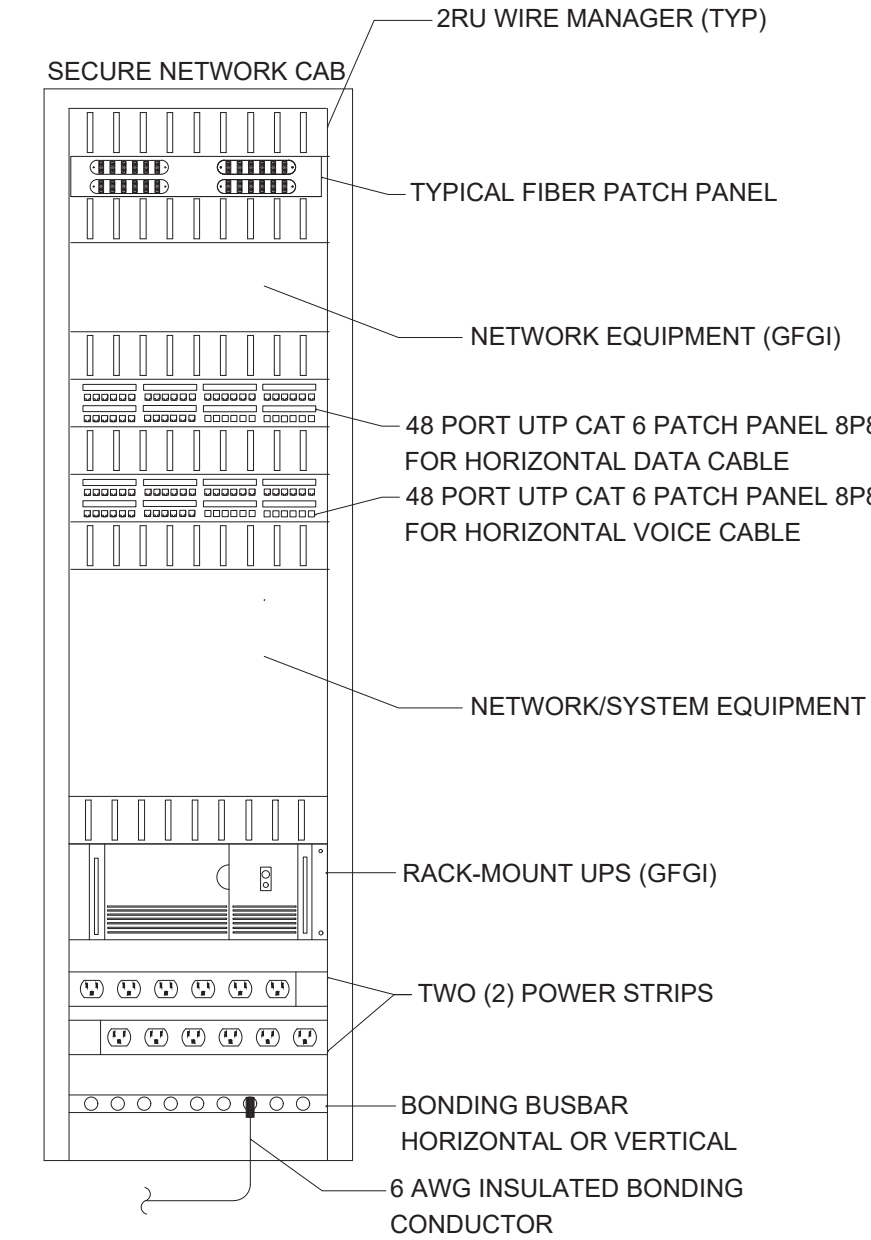
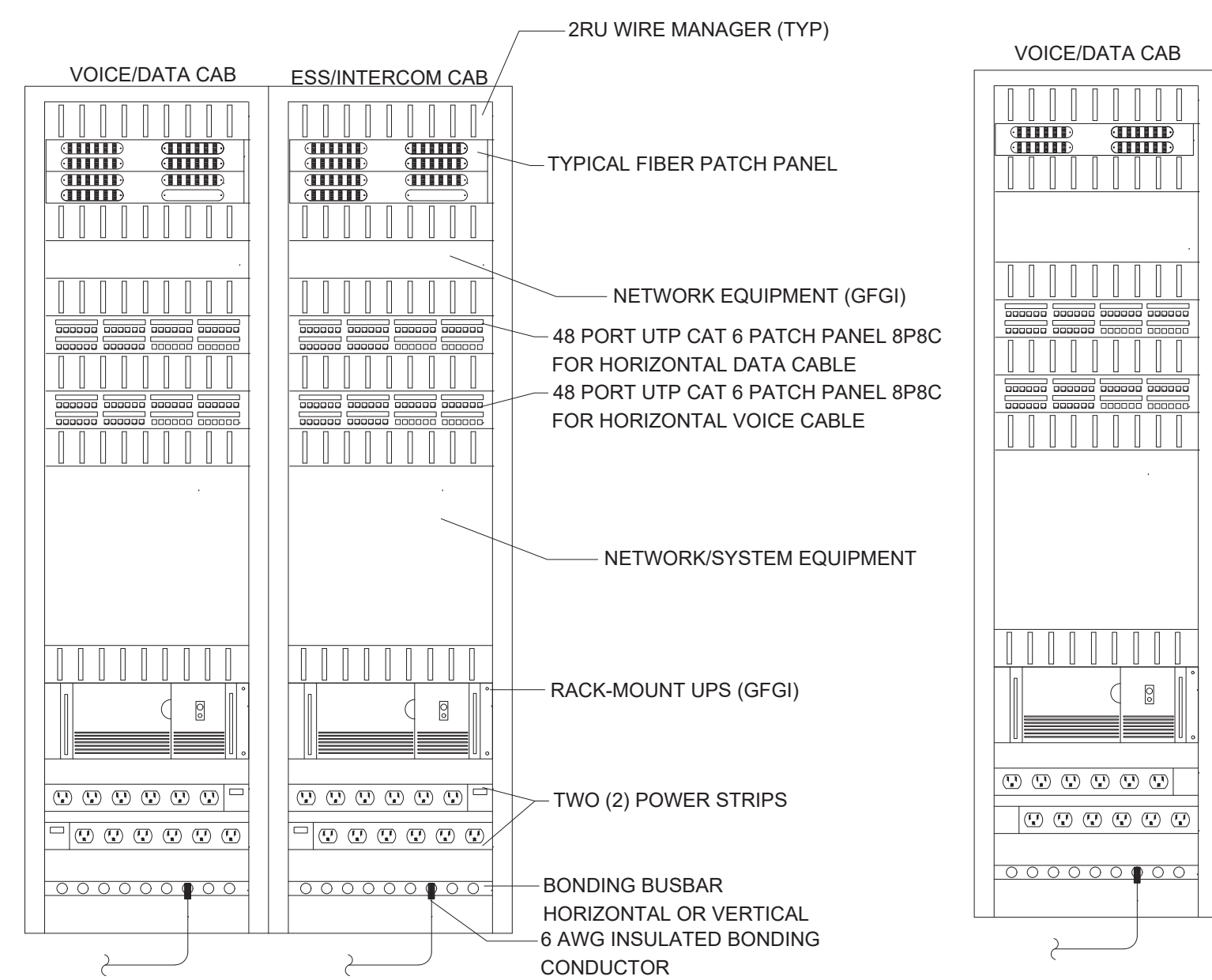
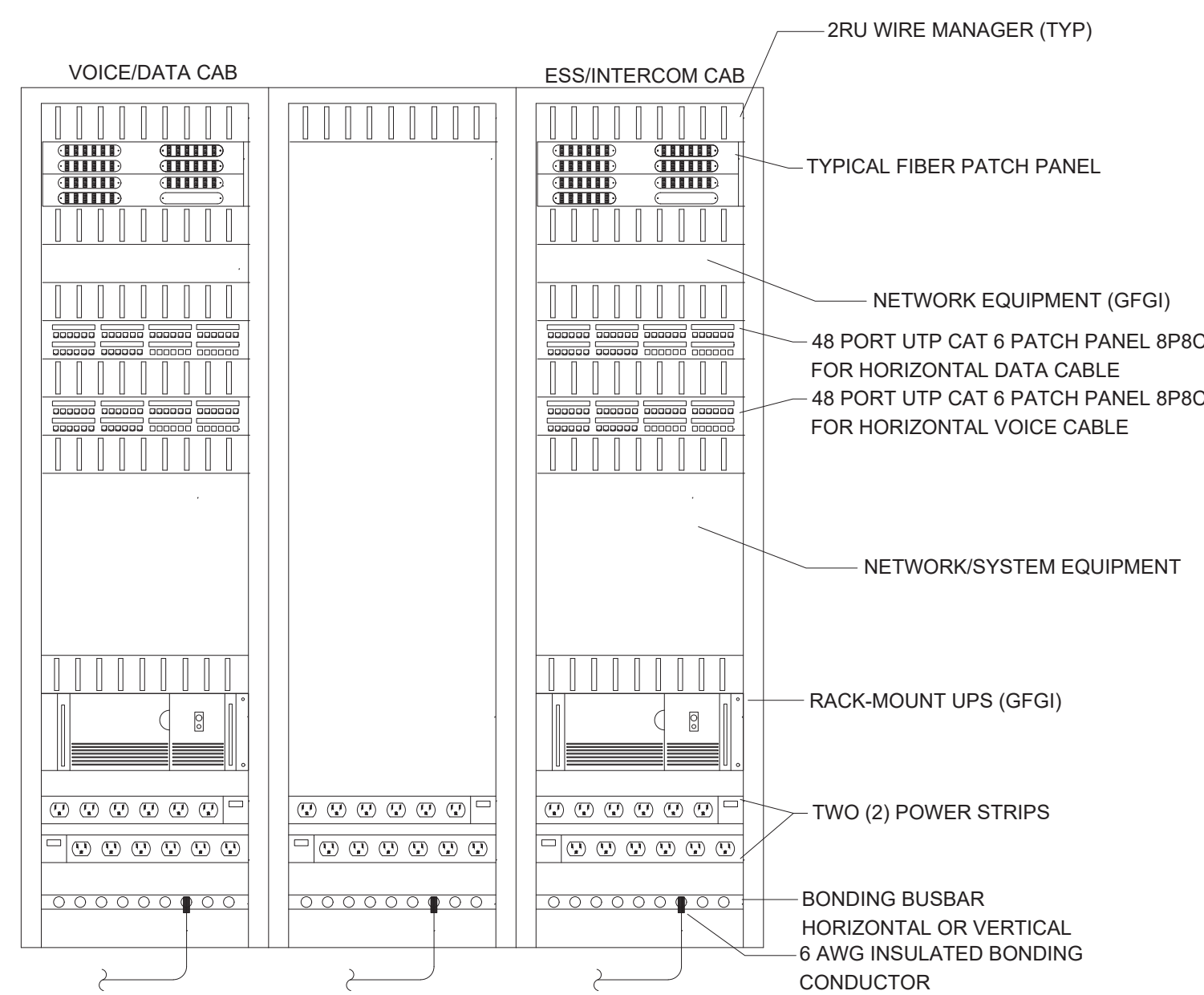
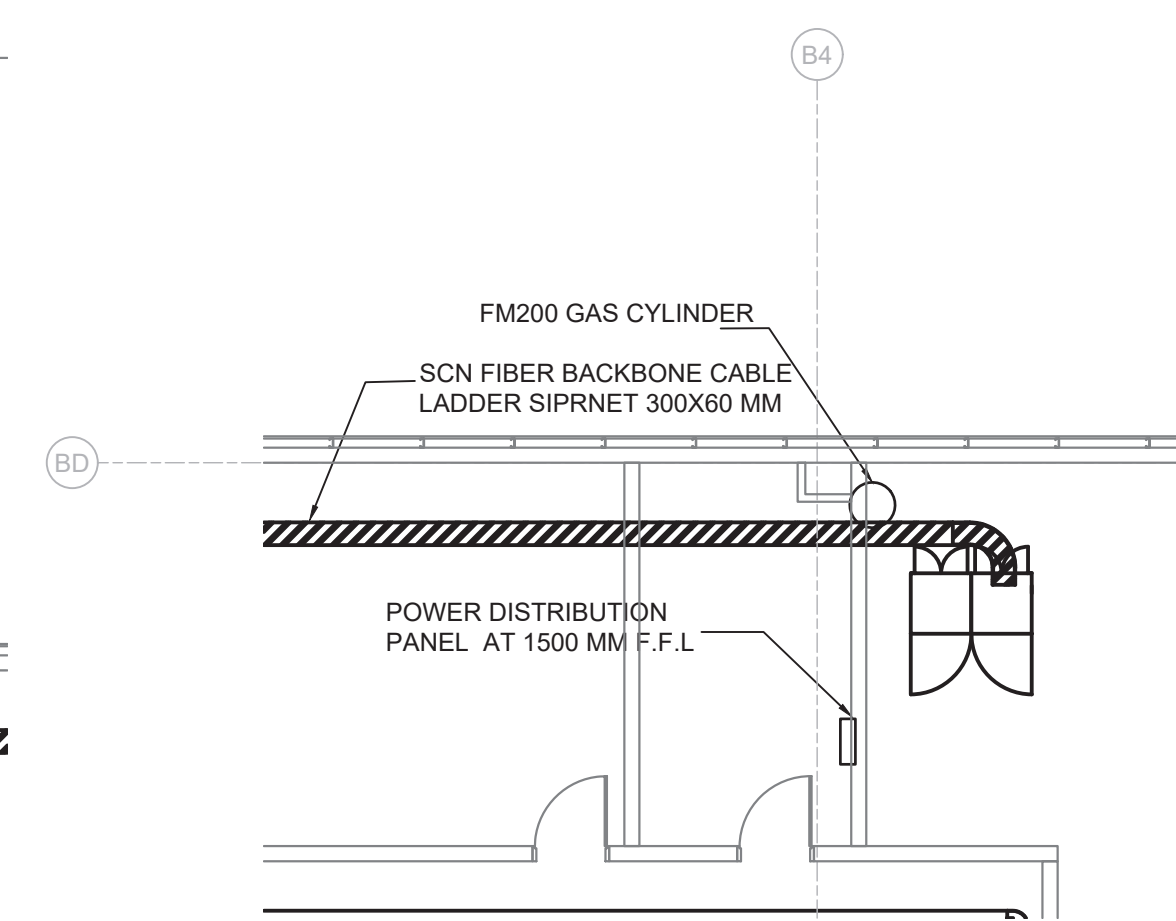
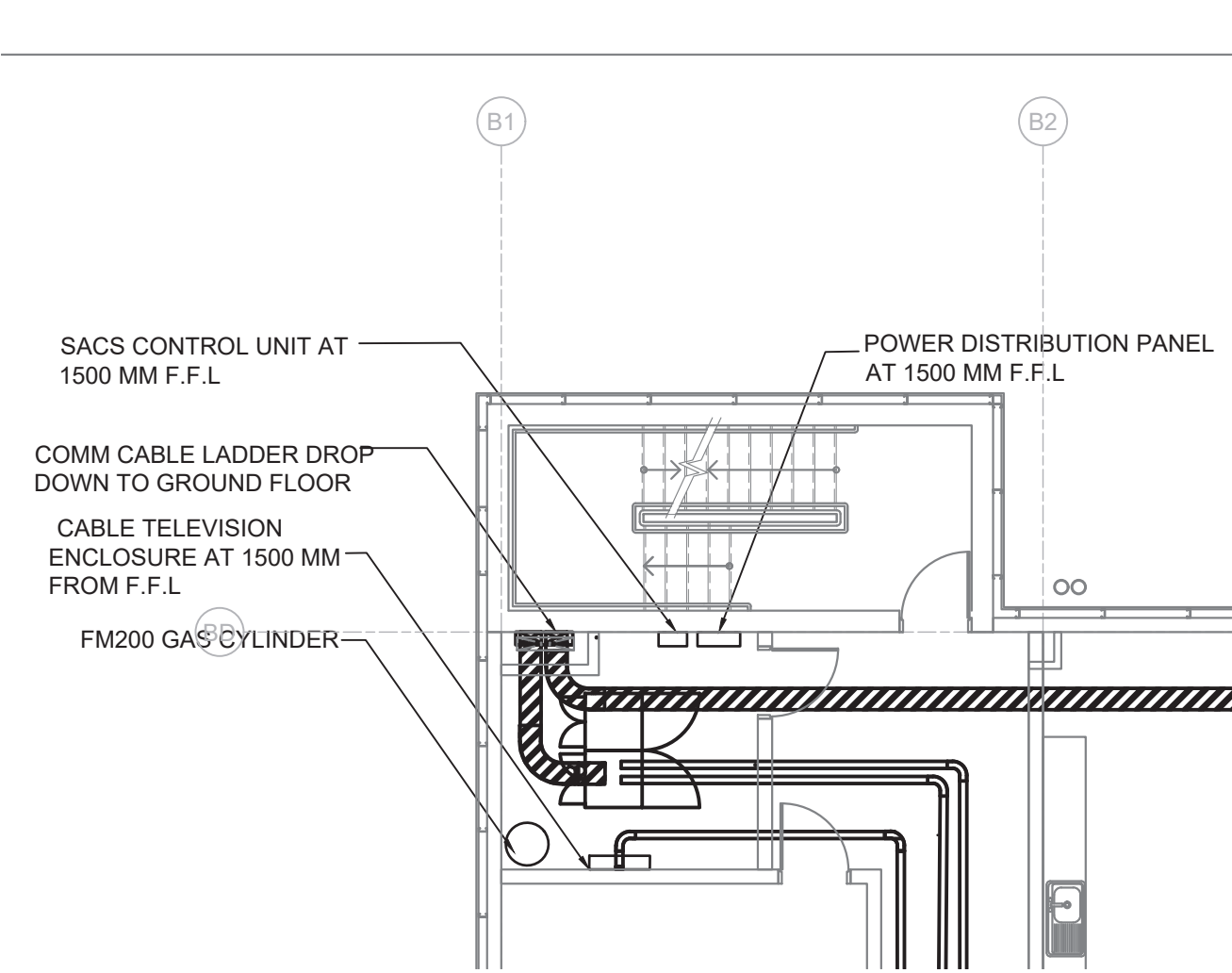
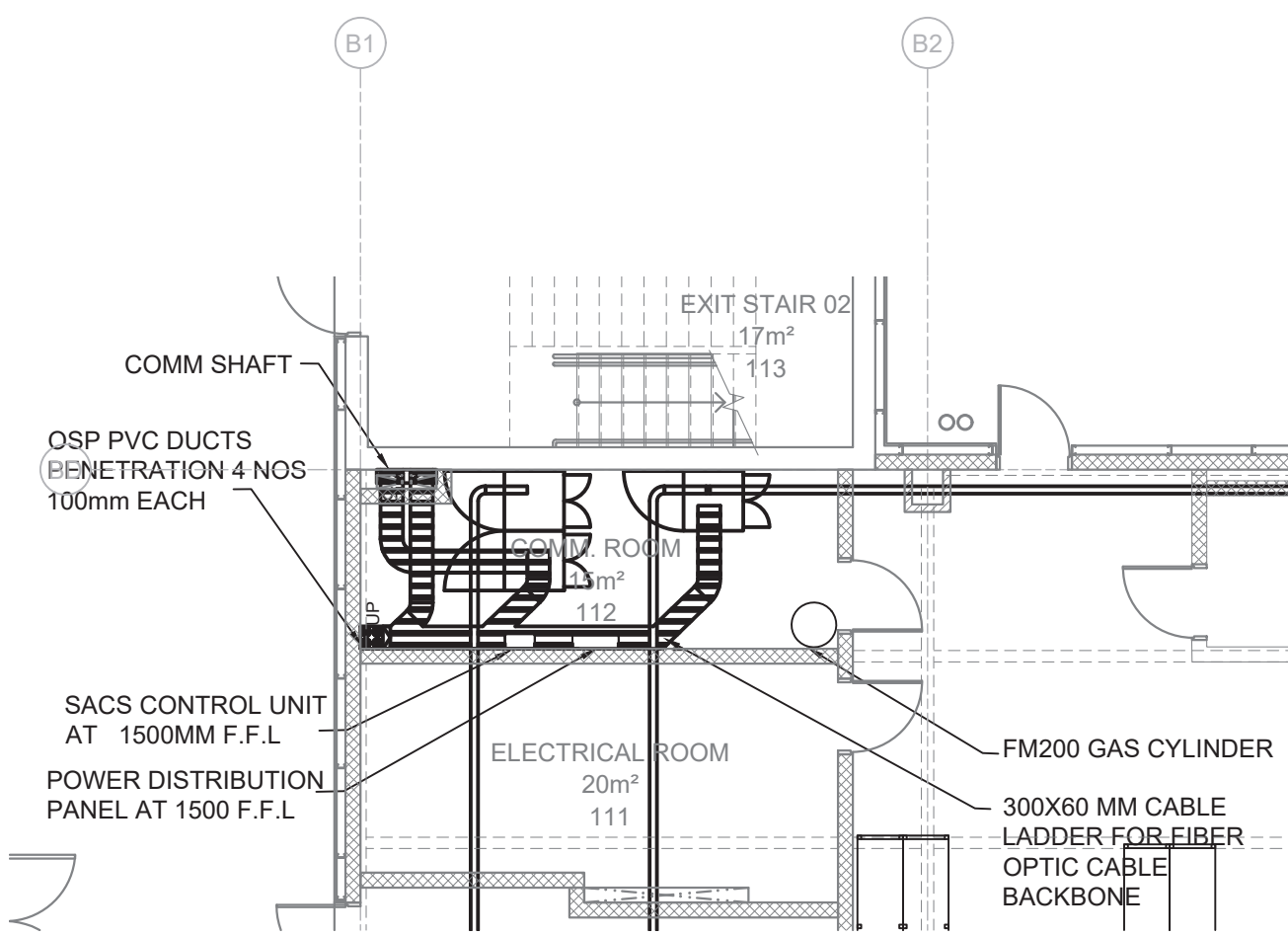
LEGEND

- ### DIM. NOTE & NORTH

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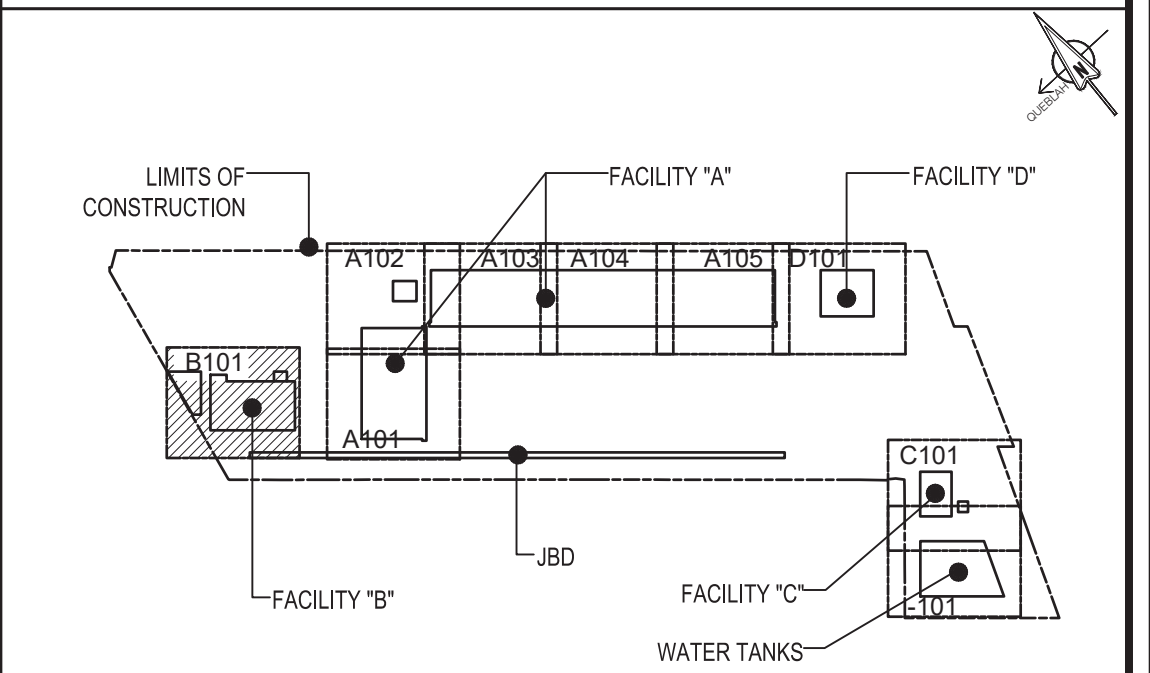


GENERAL SHEET NOTES

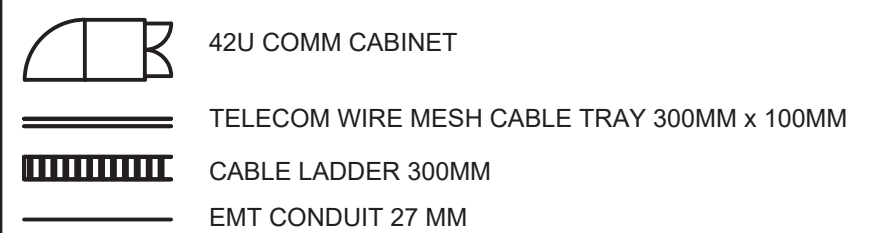
1. COORDINATE WITH ELECTRICAL FOR POWER REQUIREMENTS AND EARTHING SYSTEM FOR EACH RACK.
2. ALL CABINETS SHALL BE BONDED TO THE ROOM'S PBB/SBB.
3. ENSURE THAT POWER AND DATA CABLES SHALL RUN IN TWO SEPARATE RACEWAYS.
4. ALL TELECOM PASSIVE COMPONENTS SHALL BE PROVIDED BY CONTRACTOR INSIDE THE PASSIVE RACKS. OTHER ACTIVE DEVICES TO BE PROVIDED BY OTHERS.
5. THE FINAL QUANTITIES OF ALL TELECOM PASSIVE COMPONENTS (PATCH PANELS, CABLE CONTAINMENTS, RACKS) AT EACH COMM ROOM ARE SUBJECT TO THE NUMBER OF TELECOM OUTLETS. DISTRIBUTED INSIDE THE FACILITIES EXACT CONFIGURATION OF ESS/INTERCOM CABINET SHALL BE DETERMINED BY THE SYSTEMS COORDINATOR.
6. THE ACTIVE RACKS IN FOB SERVER ROOM SHALL BE PROVIDED BY OTHERS. HOWEVER, TELECOM RACEWAYS SHALL BE PART OF CONTRACTOR SCOPE OF WORK.
7. UNIVERSAL CABINETS SHALL BE IAI-310-D OR IEC 80287 INDUSTRY COMPLIANT WITH 800X800 MM GLASS FRONTED DOOR WITH W/LOCK METAL FLOOR STANDING CABINET.
8. REFER TO SHEET ST-505 FOR GROUNDING DETAILS
9. REFER TO SHEET XT-500 FOR DUCT BANK PENETRATION
11. ALL TELECOM CONTAINMENTS SHALL BE BETWEEN 2 TO 3 METER HEIGHT FROM F.F.L. REFER TO SHEET ST-502 & ST-503 FOR TELECOM HORIZONTAL CABLE CONTAINMENTS.
12. REFER TO SHEET ST-504 FOR TYPICAL BACKBONE AND HORIZONTAL DISTRIBUTION
13. ANCHOR ALL CABINETS (EXCEPT WALL MOUNTED) TO THE SUBFLOOR UTILIZING 2-10 MM ROUND BOLTS, NUTS & EXPANSION ANCHORS IN SUBFLOOR.

SHEET KEYNOTES

KEY PLAN



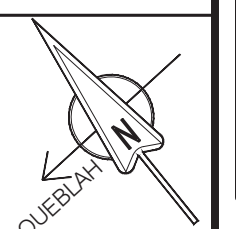
LEGEND



DIM. NOTE & NORTH



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DRAWN BY:	S. DOEDEN	SOLICITATION NO.:	W912ER21R0020
CHECKED BY:	C. C. HOPKINS	CONTRACT NO.:	W912ER22C0026
SUBMITTED BY:	I. STEPHENSON	PLOT DATE:	2022-09-21
SIZE:	ANSI D	FILENAME:	UE-401070B-TN400L S.dwg

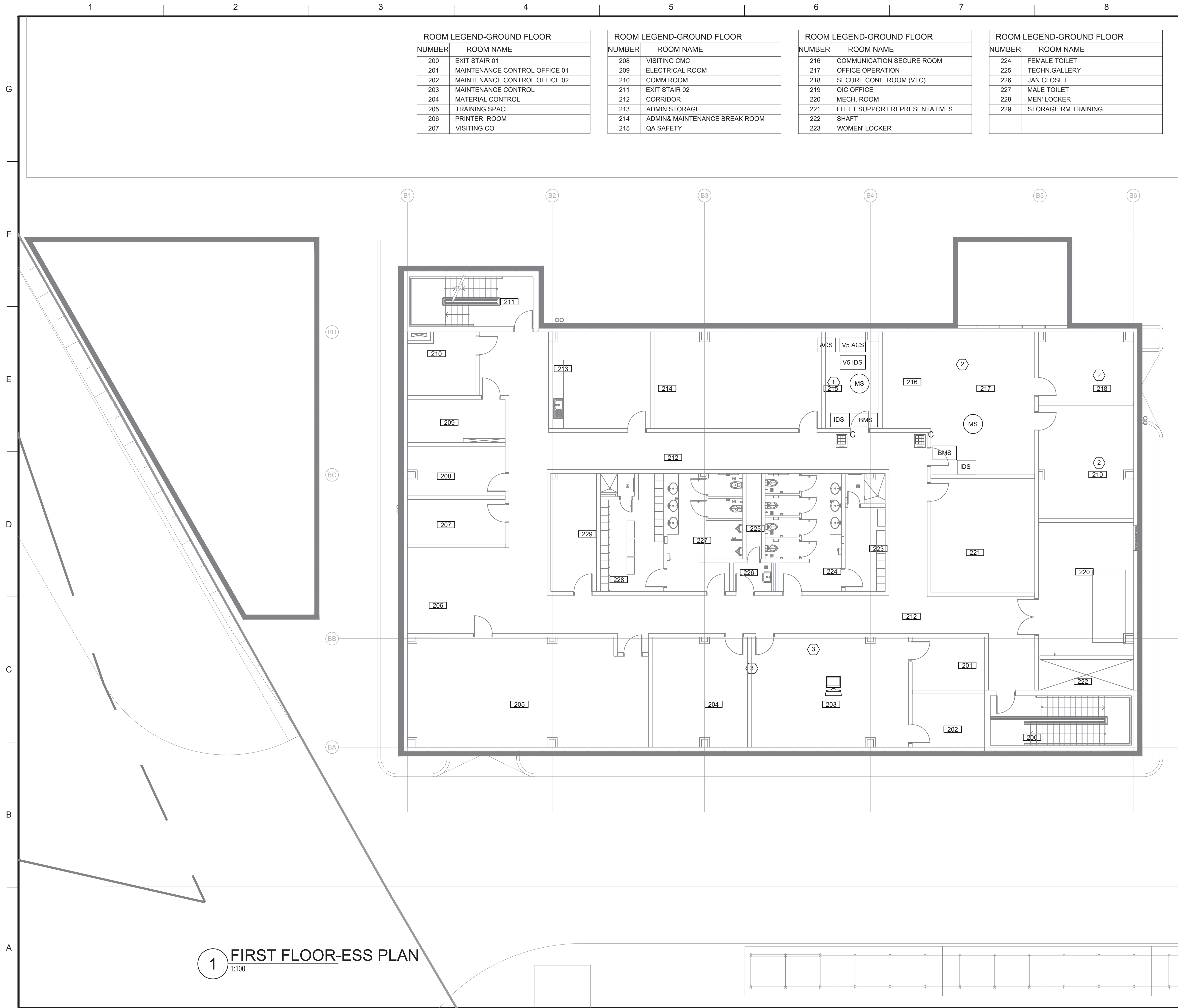
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UE-401070

FACILITY "B"

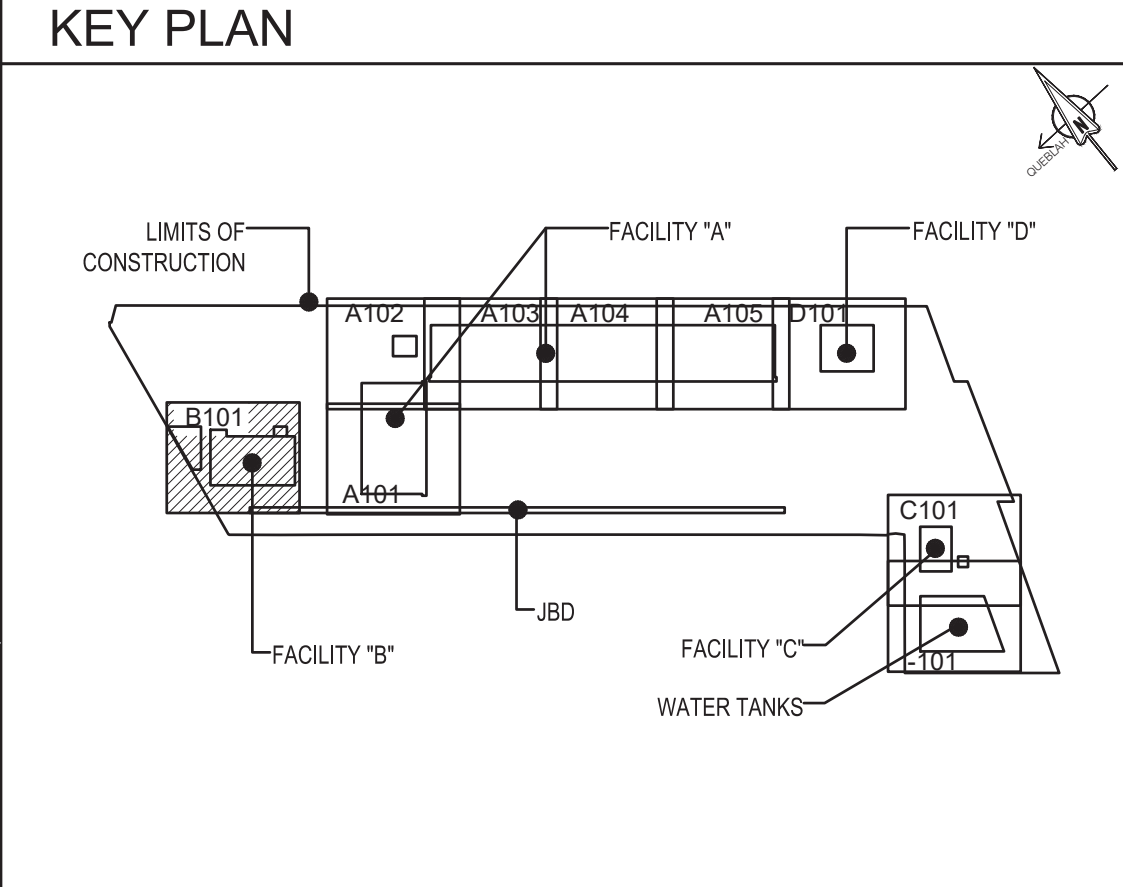
TELECOMMUNICATIONS DATA NETWORKS PLANS
COMM ROOM FITTING AND RACK ELEVATION LAYOUT

SHEET ID
B
TN400



- ### GENERAL SHEET NOTES
- ESS SYSTEM PROVISION, INSTALLATION, AND CONFIGURATION ARE GFGI.
 - THE CONTRACTOR SHALL PROVIDE NECESSARY INFRASTRUCTURE INCLUDING CONDUITS, PULL BOXES, BACK BOXES, AND PULL STRING, WHICH ARE ALL REQUIRED IN THE BASE BID.
 - THE CAMERAS, RECORDING SERVERS, MANAGEMENT SERVER, SOFTWARE, LICENSES, STORAGE SYSTEM, ETC. ARE GFGI.
 - THE FINAL LOCATION SHALL BE COORDINATED AND APPROVAL OBTAINED FROM THE ENGINEER, THE AUTHORITY AND THE END USER.
 - THE CONTRACTOR SHALL COORDINATE WITH THE SECURITY FORCES SQUADRON AND RESPECTIVE SYSTEM CONTRACTOR FOR EXACT CONDUIT SYSTEM CONFIGURATION.
 - CONTRACTOR SHALL ENSURE THAT FINAL DEVICE LOCATIONS ARE COORDINATED WITH THE APPROVED REFLECTED CEILING PLAN (RCP) AND OTHER DISCIPLINES.
 - CAMERA TYPES AND QUANTITY SHOWN ARE INDICATIVE.
 - SYSTEM SHALL COMPLY WITH UPC 4-021-02 AND BE FULLY COMPATIBLE AND INTEGRAL WITH LOCAL BASE SYSTEM AND ATO.
 - IDS SYSTEMS SHALL BE INTEGRATED AND ALARM AT BASE SECURITY FORCES MONITORING.
 - VSS SHALL BE MONITORED LOCALLY IN FACILITY B MAINTENANCE CONTROL AND FACILITY C PILOT SPACE.
 - ESS ACTIVE DEVICE SUCH AS DETECTION, CAMERA, ACCESS CONTROL DEVICES, NETWORK EQUIPMENT, AND INSTALLATION, CONFIGURATION, AND INTEGRATION ARE GFGI.
 - ALL CONDUIT RUNS SHALL BE CONTINUOUS AND SECURED END TO END, AND EMBEDDED IN THE WALL TO THE DOOR.
 - CAMERA ON EXTERNAL CORNER OF BUILDING SHALL BE PTZ WITH 270 DEGREE RANGE OF VIEW, INFRARED NIGHT VISION, AND 100 METER VIEWING DISTANCE.

- ### SHEET KEYNOTES
- IDS ZONE ROOM 215
 - IDS ZONE 216, 217, 218, 219
 - WALL OUTLET, 1.2 M AFF BEHIND FIRST MONITOR DIRECT CONNECTED TO OUTLET AT MAINTENANCE COUNTER; BOTH OUTLETS SHALL BE TRIPLEX AND HAVE ONE (1) 8P8C OUTLET, ONE (1) USB OUTLET, AND ONE HDMI OUTLET.



DIM. NOTE & NORTH

1 0 1 2 4 6 8M

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FACILITY "B"
TELECOMMUNICATIONS SECURITY PLANS
FIRST FLOOR-ESS PLAN

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ISSUE DATE: SEPTEMBER 2022
SOLICITATION NO.: W912ER22C0026
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