

AIR FORCE CIVIL ENGINEERING CENTER

DYNAMIC PROTOTYPE DESIGN FOR LEVEL I CONFINEMENT FACILITY



U.S. AIR FORCE

DATE:
1 APR 2015

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GENERAL NOTES

1. USE THESE DOCUMENTS IN CONJUNCTION WITH THE LEVEL I CONFINEMENT FACILITY CRITERIA AND SUPPLEMENTAL RFP DATA.
2. THESE DOCUMENTS ARE AIR FORCE STANDARD PLANS; DEVIATION FROM THESE STANDARDS REQUIRES APPROVAL AS DEFINED IN FACILITY CRITERIA.



NOTIONAL MASSING SKETCH

MODULE LEGEND

- MODULE A: ADMIN / VISITOR AREA**
 - A.1 SALLY PORT
 - A.2 CORRIDOR
 - A.3 ADMINISTRATIVE PROCESSING
 - A.4 ADMINISTRATIVE STORAGE
 - A.5 WAITING ROOM
 - A.6 RESTROOM
 - A.7 VISITATION / TRAINING
- MODULE B: SEMI-SECURE AREA**
 - B.1 CONTROLLED CORRIDOR
 - B.2 LAUNDRY ALCOVE
 - B.3 JANITOR'S CLOSET
- MODULE C: SECURE AREA**
 - C.1 CONTROL ROOM
 - C.2 DAY ROOM
 - C.3 SHOWER
 - C.4 SECURE CORRIDOR
 - C.5 CELL
 - C.6 SEGREGATED CELL / CORRIDOR
 - C.7 OUTDOOR RECREATIONAL EXERCISE YARD
- MODULE D: BUILDING SUPPORT**

GENERAL NOTES:

1. THESE DOCUMENTS ARE AIR FORCE STANDARD PLANS; ANY DEVIATION FROM THESE STANDARDS REQUIRES APPROVAL AS DETERMINED IN FACILITIES CRITERIA.

8 CELL FACILITY ROOM SCHEDULE

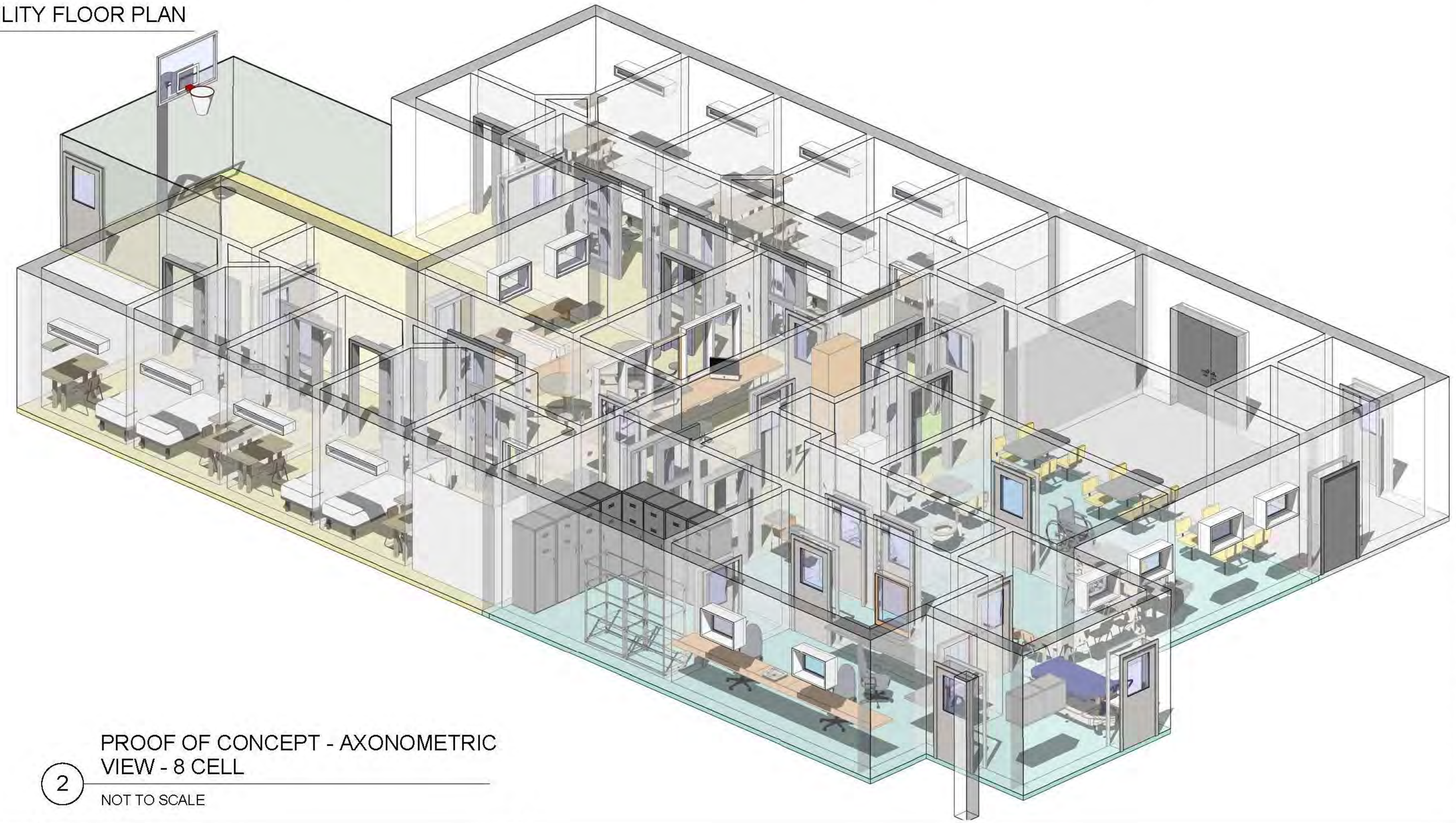
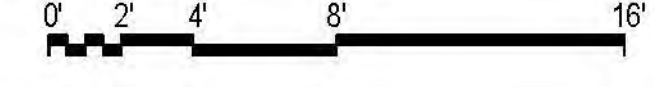
ROOM NAME	NET AREA
ADMINISTRATIVE PROCESSING	
ADMINISTRATIVE STORAGE	
CELL	
CELL	
CELL	
CELL	
CELL	
CELL	
CONTROL ROOM	
CONTROLLED CORRIDOR	
CORRIDOR	
DAY ROOM	
ELECTRICAL	
JANITOR CLOSET	
MECHANICAL	SEE FC 4-721-02F APPENDIX B
RESTROOM	PROGRAMMING WORKSHEET
SALLY PORT	
SECURED CORRIDOR	
SECURED CORRIDOR	
SEGREGATED CELL	
SEGREGATED CELL	
SEGREGATED CORRIDOR	
SEGREGATED CORRIDOR	
SHOWER	
SHOWER	
TELECOM	
VISITATION/TRAINING	
WAITING ROOM	
Grand total	

AIR FORCE CIVIL ENGINEERING CENTER
FACILITIES DYNAMIC PROTOTYPES DESIGN FOR:

LEVEL I CONFINEMENT FACILITY



1 PROOF OF CONCEPT - 8 CELL FACILITY FLOOR PLAN



2 PROOF OF CONCEPT - AXONOMETRIC VIEW - 8 CELL
NOT TO SCALE

11/24/2014 12:48:20 PM SCALE(S) AS NOTED ON THIS SHEET ARE BASED ON A FULL SIZE 22X34 SHEET

Drawing Title:

PROOF OF CONCEPT - 8 CELL FACILITY

Date: 1 APRIL 2015

Designed By: Designer

Drawing No.:

Drawn By: Author

A-101

Checked By: Checker

NOT FOR CONSTRUCTION

MODULE LEGEND

- MODULE A: ADMIN / VISITOR AREA**
 - A.1 SALLY PORT
 - A.2 CORRIDOR
 - A.3 ADMINISTRATIVE PROCESSING
 - A.4 ADMINISTRATIVE STORAGE
 - A.5 WAITING ROOM
 - A.6 RESTROOM
 - A.7 VISITATION / TRAINING
- MODULE B: SEMI-SECURE AREA**
 - B.1 CONTROLLED CORRIDOR
 - B.2 LAUNDRY ALCOVE
 - B.3 JANITOR'S CLOSET
- MODULE C: SECURE AREA**
 - C.1 CONTROL ROOM
 - C.2 DAY ROOM
 - C.3 SHOWER
 - C.4 SECURE CORRIDOR
 - C.5 CELL
 - C.6 SEGREGATED CELL / CORRIDOR
 - C.7 OUTDOOR RECREATIONAL EXERCISE YARD
- MODULE D: BUILDING SUPPORT**

GENERAL NOTES:

1. THESE DOCUMENTS ARE AIR FORCE STANDARD PLANS; ANY DEVIATION FROM THESE STANDARDS REQUIRES APPROVAL AS DETERMINED IN FACILITIES CRITERIA.

4 CELL FACILITY ROOM SCHEDULE

ROOM NAME	NET AREA
ADMINISTRATIVE PROCESSING	
ADMINISTRATIVE STORAGE	
CELL	
CELL	
CONTROL ROOM	
CONTROLLED CORRIDOR	
CORRIDOR	
DAY ROOM	
ELECTRICAL	
JANITOR	
MECHANICAL	SEE FC 4-721-02F APPENDIX B PROGRAMMING
RESTROOM	
SALLY PORT	
SECURED CORRIDOR	
SECURED CORRIDOR	
SEGREGATED CELL	
SEGREGATED CELL	
SEGREGATED CORRIDOR	
SEGREGATED CORRIDOR	
SHOWER	
SHOWER	
TELECOM	
VISITATION/ TRAINING	
WAITING ROOM	
Grand total	

AIR FORCE CIVIL ENGINEERING CENTER
FACILITIES DYNAMIC PROTOTYPES DESIGN FOR:

LEVEL I CONFINEMENT FACILITY

Drawing Title:

PROOF OF CONCEPT - 4 CELL FACILITY

Date: 1 APRIL 2015

Designed By: Designer

Drawing No.:

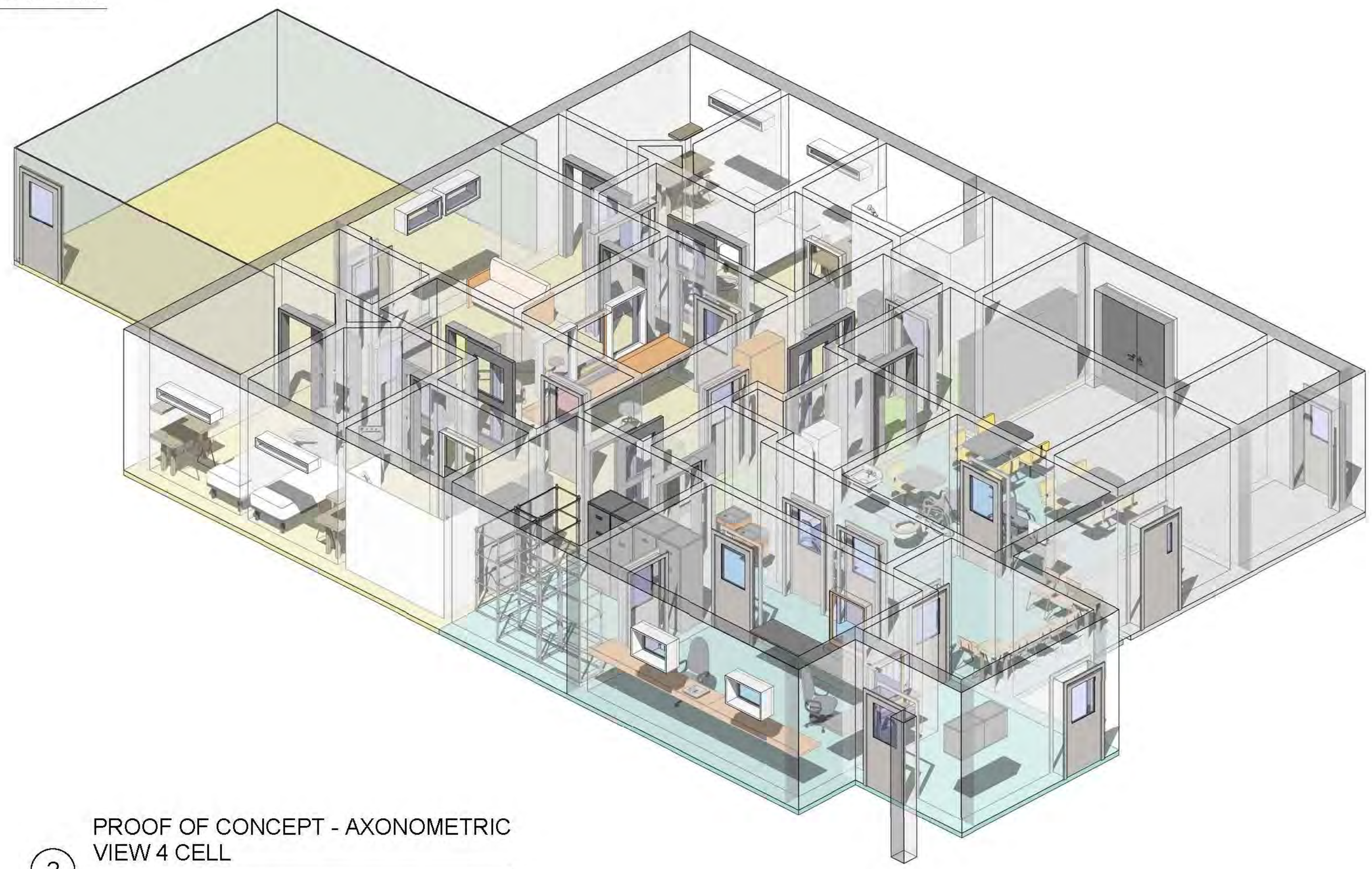
Drawn By: Author

A-102

Checked By: Checker



1 PROOF OF CONCEPT - 4-CELL FACILITY FLOOR PLAN



2 PROOF OF CONCEPT - AXONOMETRIC VIEW 4 CELL
NOT TO SCALE

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MODULE LEGEND

- MODULE A: ADMIN / VISITOR AREA**
 - A.1 SALLY PORT
 - A.2 CORRIDOR
 - A.3 ADMINISTRATIVE PROCESSING
 - A.4 ADMINISTRATIVE STORAGE
 - A.5 WAITING ROOM
 - A.6 RESTROOM
 - A.7 VISITATION / TRAINING
- MODULE B: SEMI-SECURE AREA**
 - B.1 CONTROLLED CORRIDOR
 - B.2 LAUNDRY ALCOVE
 - B.3 JANITOR'S CLOSET
- MODULE C: SECURE AREA**
 - C.1 CONTROL ROOM
 - C.2 DAY ROOM
 - C.3 SHOWER
 - C.4 SECURE CORRIDOR
 - C.5 CELL
 - C.6 SEGREGATED CELL / CORRIDOR
 - C.7 OUTDOOR RECREATIONAL EXERCISE YARD
- MODULE D: BUILDING SUPPORT**

GENERAL NOTES:

1. THESE DOCUMENTS ARE AIR FORCE STANDARD PLANS; ANY DEVIATION FROM THESE STANDARDS REQUIRES APPROVAL AS DETERMINED IN FACILITIES CRITERIA.

12 CELL FACILITY ROOM SCHEDULE

ROOM NAME	NET AREA
ADMINISTRATIVE PROCESSING	
ADMINISTRATIVE STORAGE	
CELL	
CELL	
CELL	
CELL	
CELL	
CELL	
CELL	
CELL	
CELL	
CELL	
CONTROL ROOM	
CONTROLLED CORRIDOR	
CORRIDOR	
DAY ROOM	
ELECTRICAL	
JANITOR	
MECHANICAL	
RESTROOM	
SALLY PORT	
SECURED CORRIDOR	
SECURED CORRIDOR	
SEGREGATED CELL	
SEGREGATED CELL	
SEGREGATED CORRIDOR	
SEGREGATED CORRIDOR	
SHOWER	
SHOWER	
TELECOM	
VISITATION/ TRAINING	
WAITING ROOM	
Grand total	

AIR FORCE CIVIL ENGINEERING CENTER
FACILITIES DYNAMIC PROTOTYPES DESIGN FOR:

LEVEL I CONFINEMENT FACILITY

Drawing Title:

PROOF OF CONCEPT - 12 CELL FACILITY

Date: 1 APRIL 2015

Designed By: Designer

Drawn By: Author

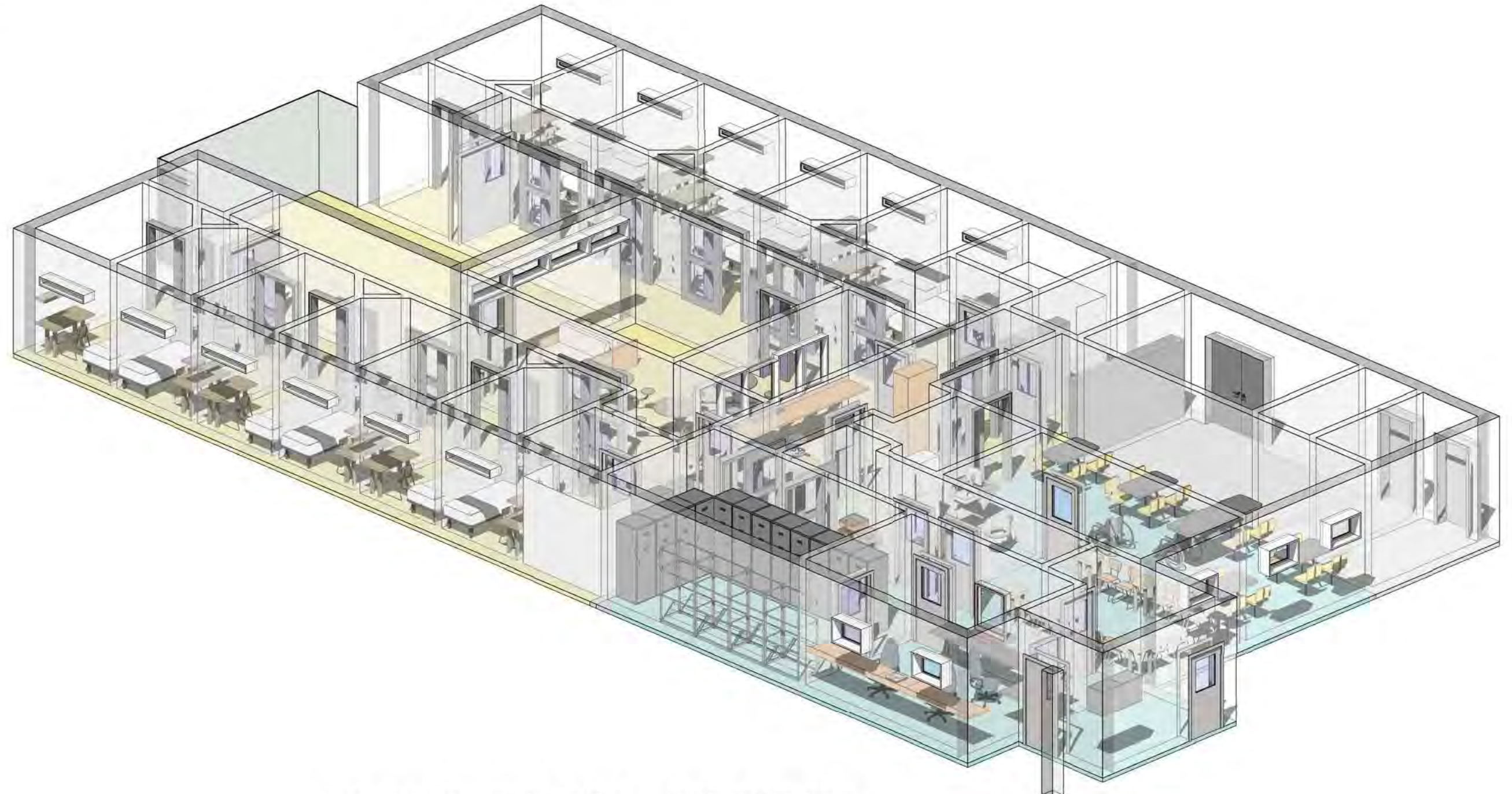
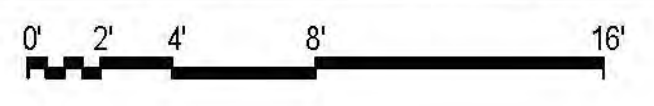
Checked By: Checker

Drawing No.:

A-103



1 PROOF OF CONCEPT - 12 CELL FACILITY

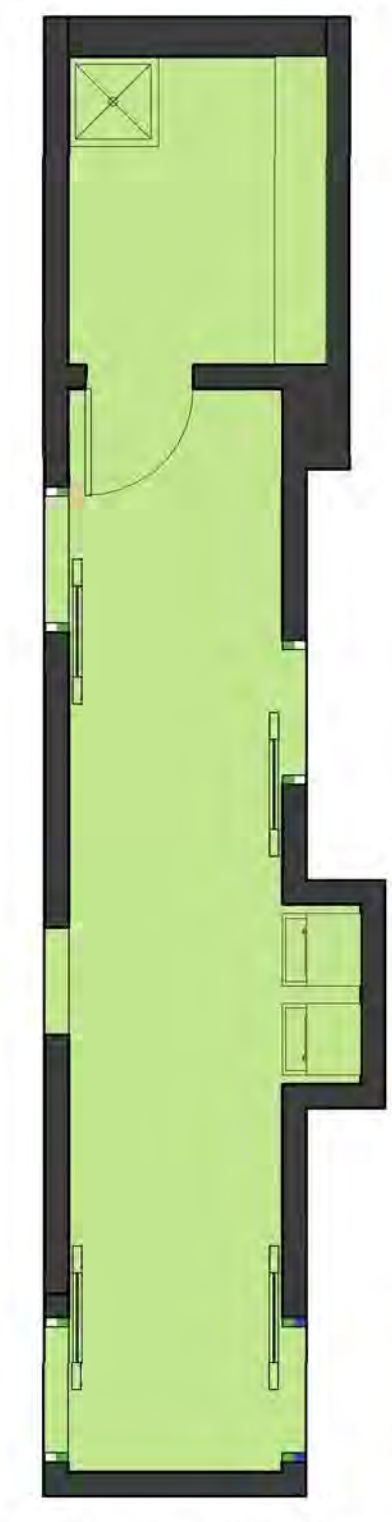


2 PROOF OF CONCEPT - AXONOMETRIC VIEW - 12 CELL

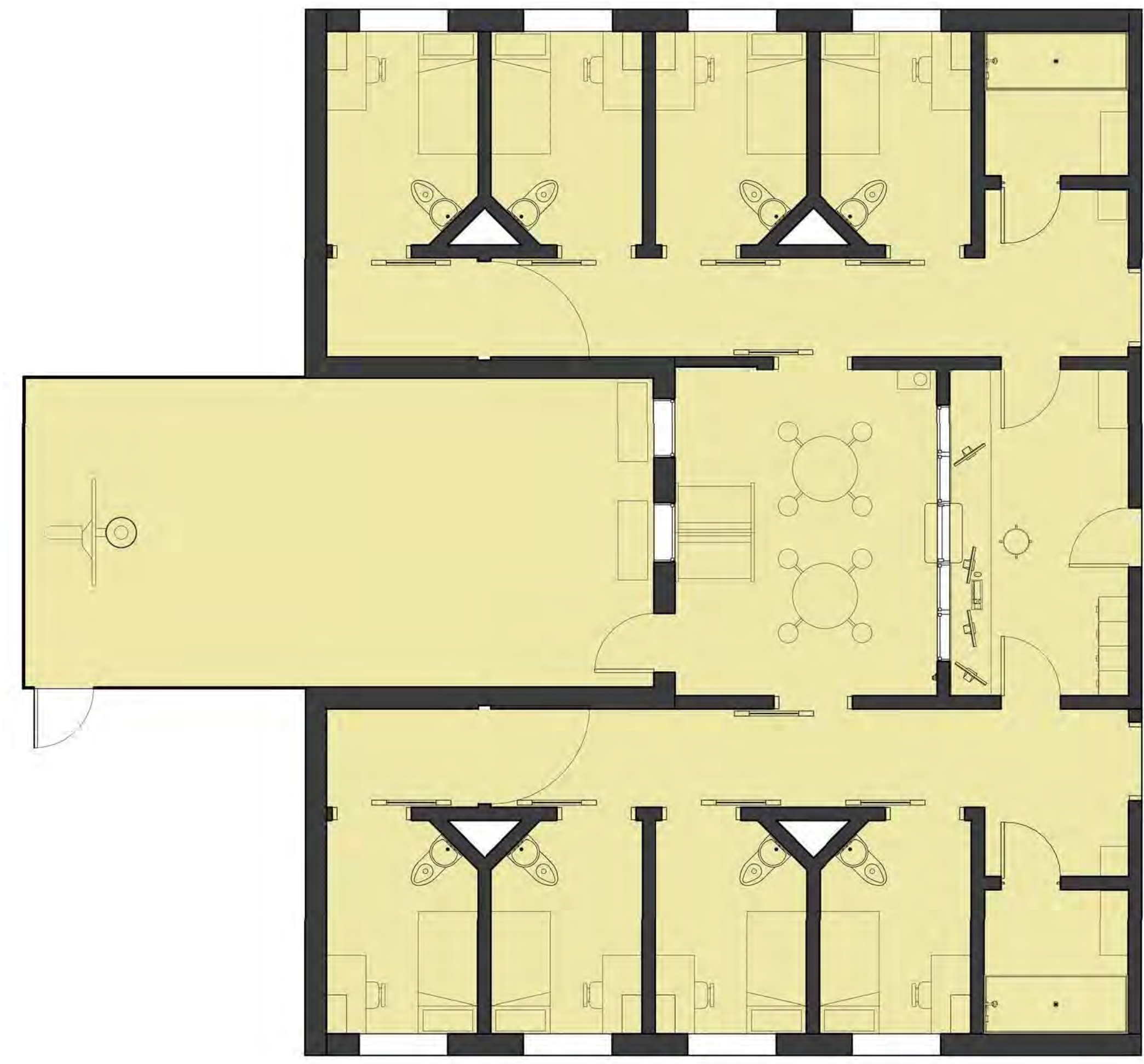
NOT TO SCALE



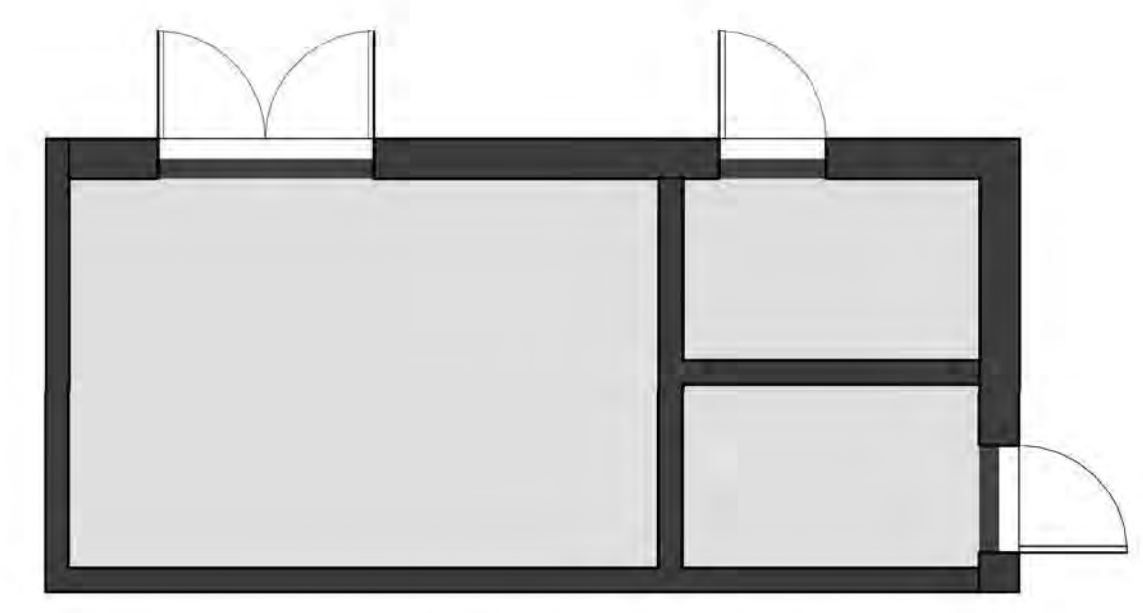
1 MODULE A: ADMIN./VISITOR AREA



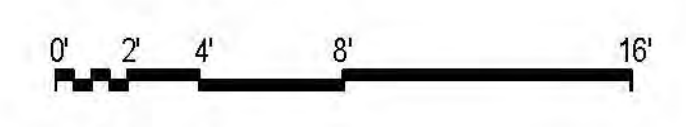
2 MODULE B: SEMI-SECURED AREA



3 MODULE C: SECURE AREA



4 MODULE D: BUILDING SUPPORT



AIR FORCE CIVIL ENGINEERING CENTER
FACILITIES DYNAMIC PROTOTYPES DESIGN FOR:
LEVEL I CONFINEMENT FACILITY

Drawing Title:

**CONFINEMENT
MODULE INDEX**

Date: 1 APRIL 2015

Designed By: Designer
Drawn By: Author
Checked By: Checker

Drawing No.:
A-104

11/24/2014 12:49:28 PM SCALE(S) AS NOTED ON THIS SHEET ARE BASED ON A FULL SIZE 22X34 SHEET

**MODULE A - ADMIN / VISITOR AREA
ROOM SCHEDULE**

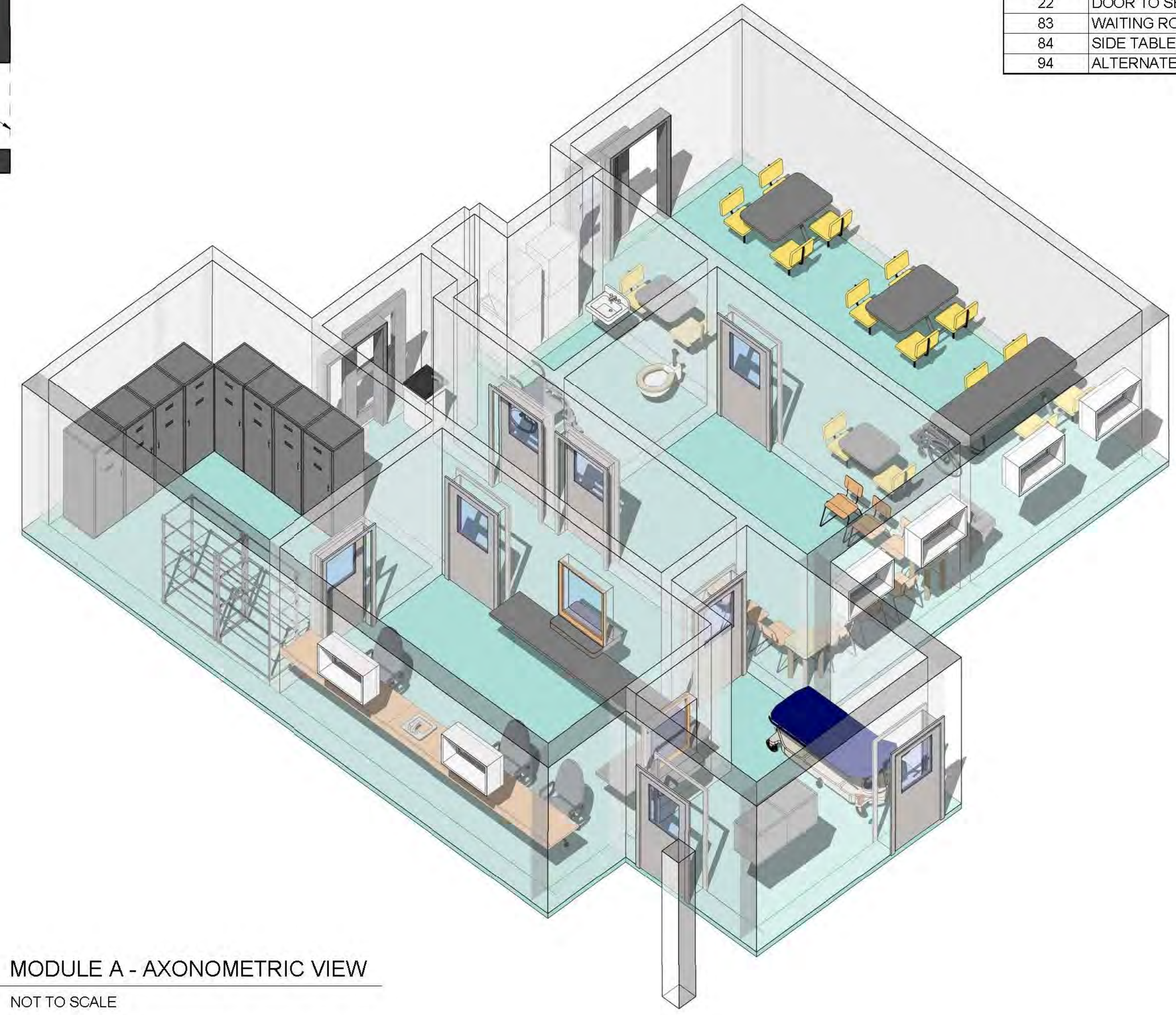
ROOM NAME	NET AREA
ADMINISTRATIVE PROCESSING	
ADMINISTRATIVE STORAGE	
CORRIDOR	
RESTROOM	SEE FC 4-721-02F APPENDIX B PROGRAMMING
SALLY PORT	
VISITATION/TRAINING	
WAITING ROOM	
Grand total	

KEYNOTE LEGEND

3	COVERED ENTRY
7	FIRE ALARM CONTROL PANEL
8	PASS-THROUGH DRAWER WINDOW WITH SPEAKER CAPABILITY
9	12" WIDE X 18" DEEP X 78" HIGH DOUBLE TIERED LOCKERS FOR VISITORS' PERSONAL BELONGINGS. ONE LOCKER PER CELL MINIMUM.
10	LOCKABLE SECURITY SAFE (LOCKABLE DRAWER OPTIONAL)
12	BREAK AREA WITH BAR SINK, MICROWAVE AND UNDERCOUNTER REFRIGERATOR
13	SECURE PASS-THROUGH DRAWER WINDOW WITH SPEAKER CAPABILITY TO CONTROLLED CORRIDOR
14	SHELVING AS NEEDED
15	FULL SIZE LOCKERS, 24" WIDE X 24" DEEP FOR CONFINEE'S DRESS UNIFORMS AND PERSONAL BELONGINGS. ONE LOCKER PER CELL.
16	OPEN SPACE FOR WHEELCHAIR ACCESS
17	WALL-MOUNTED TELEPHONE
19	OPTIONAL COMPUTER AND PRINTER STATION. NO INTERNET ACCESS.
20	2-PERSON, JAIL-TYPE, BUILT-IN TABLE AND CHAIRS
22	DOOR TO SEMI-SECURE CORRIDOR
83	WAITING ROOM CHAIR; 1 PER CELL. MIN.
84	SIDE TABLE; 1 FOR EVERY 4 CHAIRS
94	ALTERNATE ENTRY / ADDITION TO EXISTING FACILITY



1 MODULE A: ADMIN. / VISITOR AREA



2 MODULE A - AXONOMETRIC VIEW
NOT TO SCALE

AIR FORCE CIVIL ENGINEERING CENTER
FACILITIES DYNAMIC PROTOTYPES DESIGN FOR:

LEVEL I CONFINEMENT FACILITY

Drawing Title:

**MODULE A - FLOOR
PLAN AND
AXONOMETRIC**

Date: 1 APRIL 2015

Designed By: Designer

Drawing No.:

Drawn By: Author

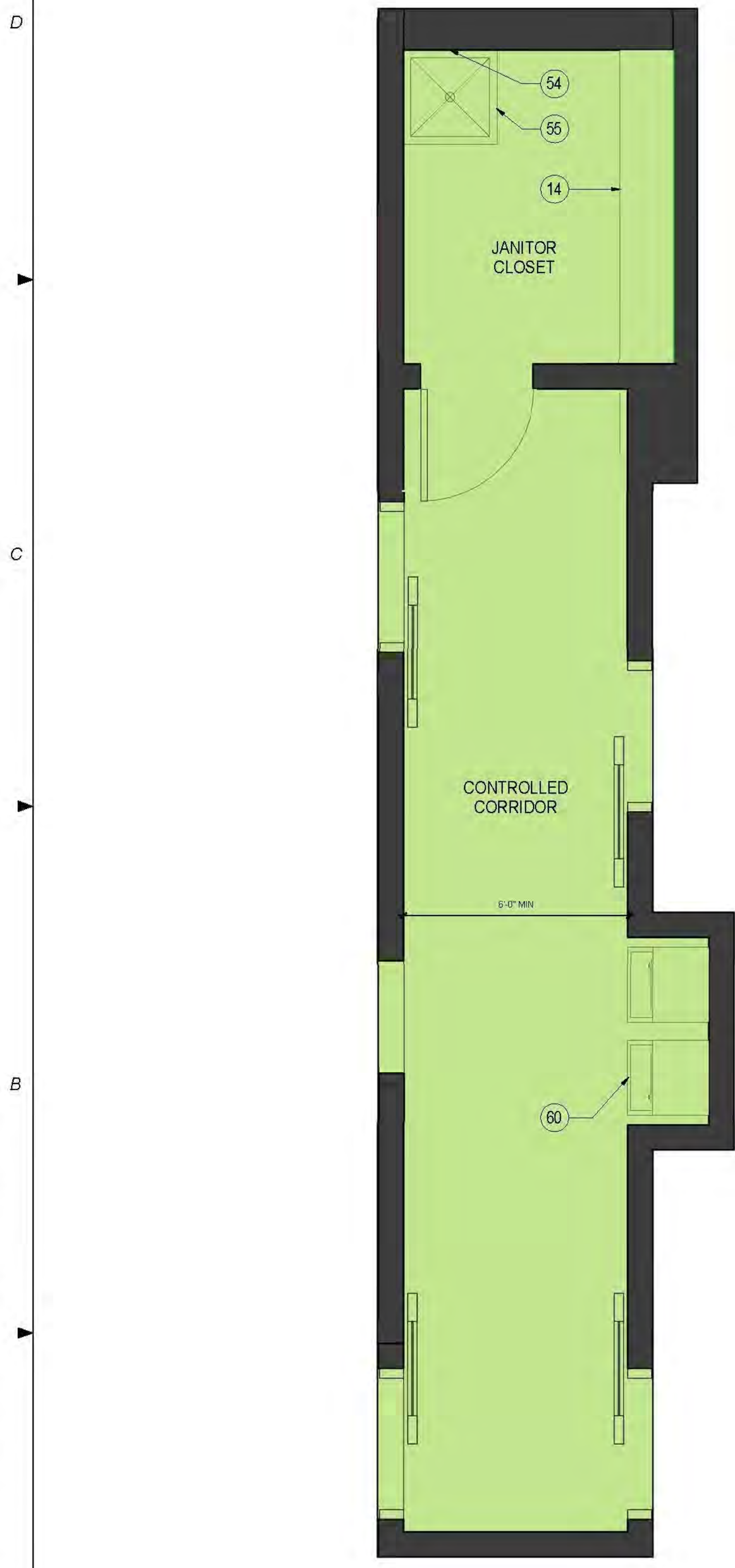
A-105

Checked By: Checker

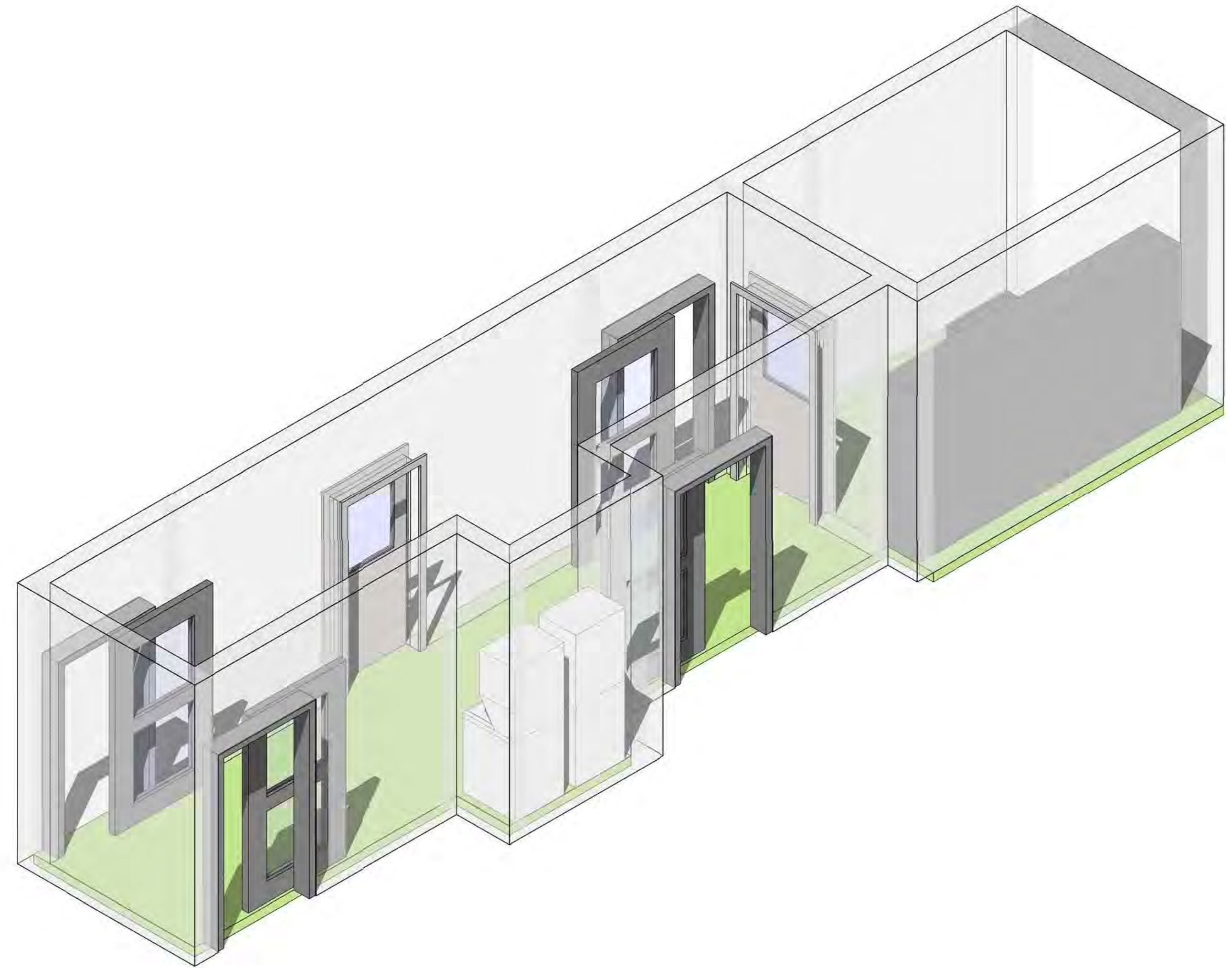
MODULE B - SEMI SECURE AREA ROOM SCHEDULE

ROOM NAME	NET AREA
CONTROLLED CORRIDOR	SEE FC 4-721-02F APPENDIX B PROGRAMMING
JANITOR CLOSET	
LAUNDRY ALCOVE	
Grand total	

KEYNOTE LEGEND	
14	SHELVING AS NEEDED
54	FAUCET WITH BUCKET HOOK AND TOP BRACE
55	MOP SINK
60	SIDE BY SIDE WASHER AND DRYER



1 MODULE B: SEMI-SECURED AREA
0' 1' 2' 4' 8'



2 MODULE B - AXONOMETRIC VIEW
NOT TO SCALE

AIR FORCE CIVIL ENGINEERING CENTER
FACILITIES DYNAMIC PROTOTYPES DESIGN FOR:
LEVEL I CONFINEMENT FACILITY

Drawing Title:
MODULE B - FLOOR PLAN AND AXONOMETRIC

Date: 1 APRIL 2015
Designed By: Designer
Drawn By: Author
Checked By: Checker
Drawing No.: **A-106**

MODULE C - SECURE AREA ROOM SCHEDULE

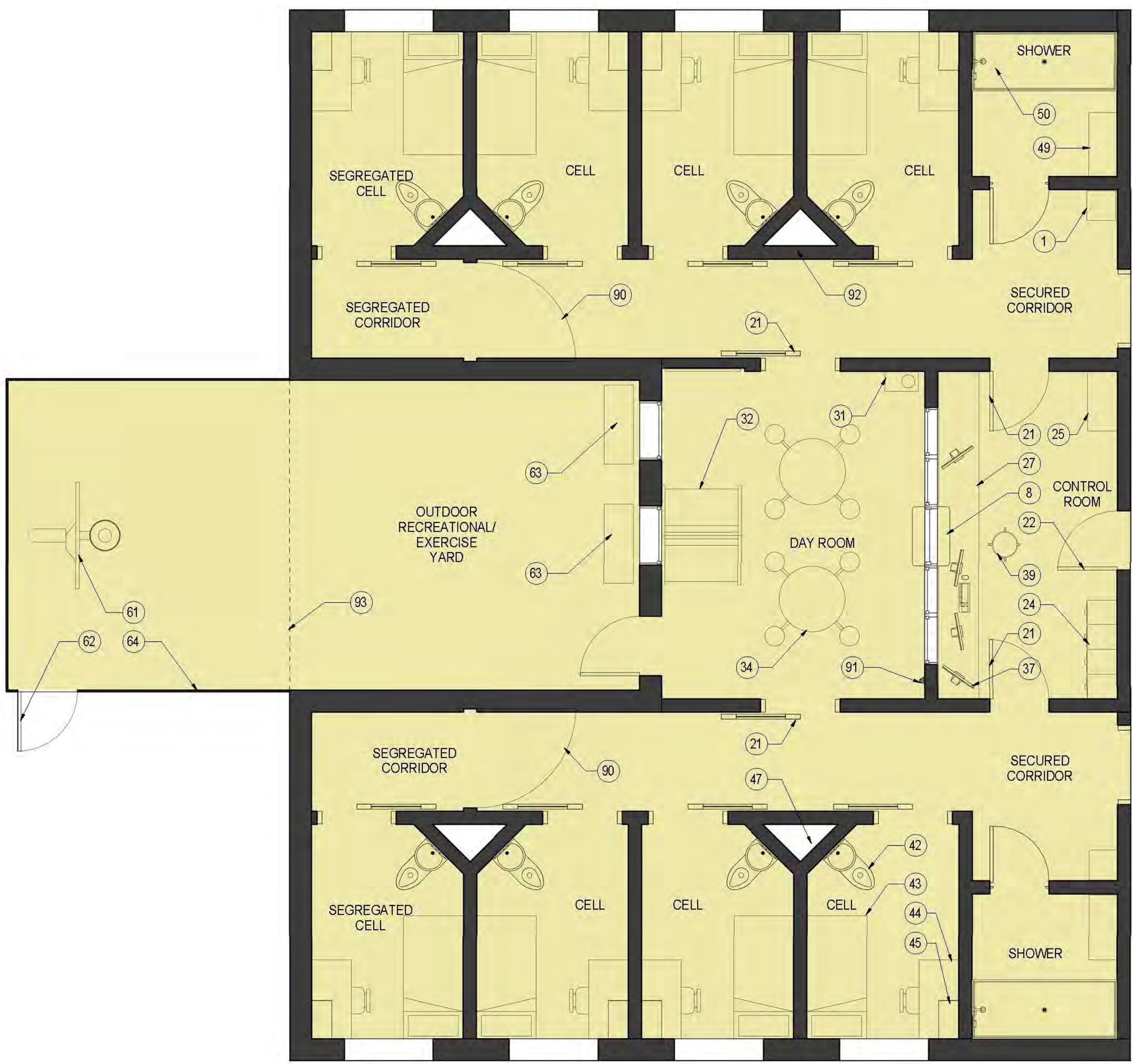
ROOM NAME	NET AREA
CELL	
CELL	
CELL	
CELL	
CELL	
CONTROL ROOM	
CONTROLLED CORRIDOR	
DAY ROOM	
JANITOR CLOSET	SEE FC 4-721-02F APPENDIX B PROGRAMMING
LAUNDRY ALCOVE	
SECURED CORRIDOR	
SECURED CORRIDOR	
SEGREGATED CELL	
SEGREGATED CELL	
SEGREGATED CORRIDOR	
SEGREGATED CORRIDOR	
SHOWER	
SHOWER	
Grand total	

KEYNOTE LEGEND

1	LOCKERS FOR SHOWER TOILETRIES; ONE 12" WIDE X 12" DEEP LOCKER PER CELL
8	PASS-THROUGH DRAWER WINDOW WITH SPEAKER CAPABILITY
21	DOOR TO SECURE CORRIDOR
24	DOUBLE TIERED LOCKERS FOR GUARD'S PERSONAL PROTECTIVE EQUIPMENT
25	LOCKABLE CABINET FOR PERSONAL PROTECTIVE EQUIPMENT STORAGE, BOARD GAMES AND LOCKABLE CABINET FOR MEDICAL/MISCELLANEOUS SUPPLIES
27	COUNTER @ AT 48" A.F.F.; EXTREMELY DURABLE
31	WATER FOUNTAIN
32	MOLDED JAIL-TYPE COUCH
34	BUILT-IN, JAIL-TYPE TABLE AND CHAIRS
37	COMPUTER MONITOR
39	RAISED CHAIR
42	JAIL-TYPE TOILET AND VANITY UNIT
43	BUILT-IN, JAIL-TYPE BED (FIBERGLASS BED WITH INTEGRATED STORAGE)
44	JAIL-TYPE, BUILT-IN FIBERGLASS DESK AND CHAIR UNIT
45	SHELF
47	COMBINE PLUMBING CHASES BETWEEN CELLS WHERE POSSIBLE
49	FOLD AWAY, JAIL-TYPE BENCH
50	SHOWER WITH JAIL TYPE SHOWER HEAD
52	CONFINEE
61	BASKETBALL HOOP, BURIED SECURELY IN GROUND AND AWAY FROM FENCE.
62	GATE FOR EMERGENCY EXIT
63	BENCH, SECURED TO GROUND
64	12'-0" HIGH MIN. SECURITY FENCE; SECURED TO GROUND WITH BARBED WIRE ON INWARD TILTED OUTRIGGERS
66	PEDESTRIANS
80	EXTERIOR CLERESTORY CELL WINDOWS, 8" HIGH X 4'-6" WIDE, 3 SF MAX; WINDOW SILL @ 6'10" A.F.F. W/RED TEMPERED GLASS
90	SOUND PROOF SECURITY RATED DOOR, FLUSH WITH WALL WHILE OPEN; AT SEGREGATED CORRIDOR
91	PAY PHONE - OUTGOING CALLS ONLY
92	PROVIDE PLUMBING CHASE ACCESS DOOR FLUSH WITH WALL BETWEEN CELLS; TYPICAL AT EACH PLUMBING CHASE
93	ENSURE NO VERTICAL ELEMENTS ARE PROVIDED WITHIN OUTDOOR YARD TO PROHIBIT UNAUTHORIZED ROOF ACCESS

AIR FORCE CIVIL ENGINEERING CENTER
FACILITIES DYNAMIC PROTOTYPES DESIGN FOR:

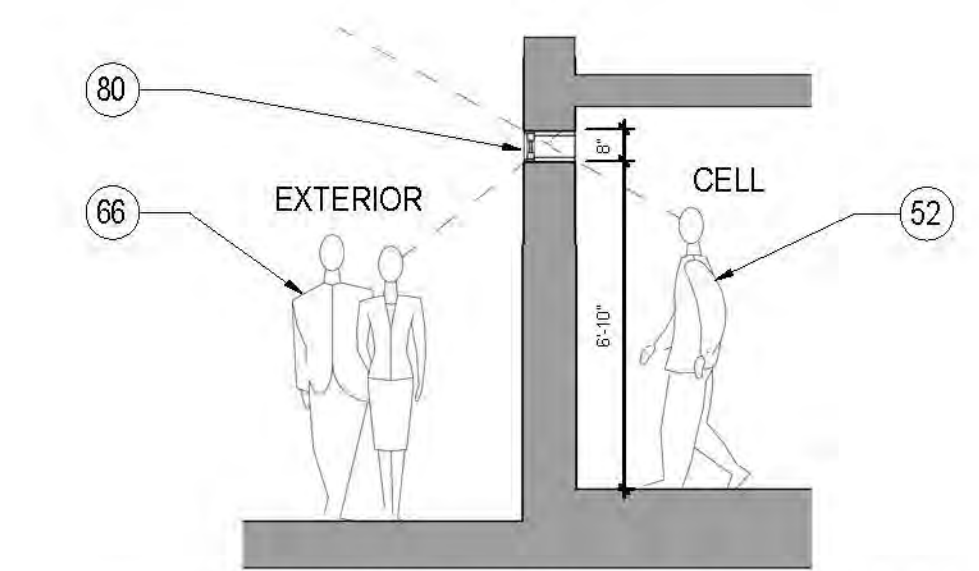
LEVEL I CONFINEMENT FACILITY



1 MODULE C: SECURE AREA



2 MODULE C AXONOMETRIC VIEW SHEET
NOT TO SCALE



3 CELL WINDOW HEIGHT DIAGRAM

Drawing Title:
MODULE C - FLOOR PLAN AND AXONOMETRIC

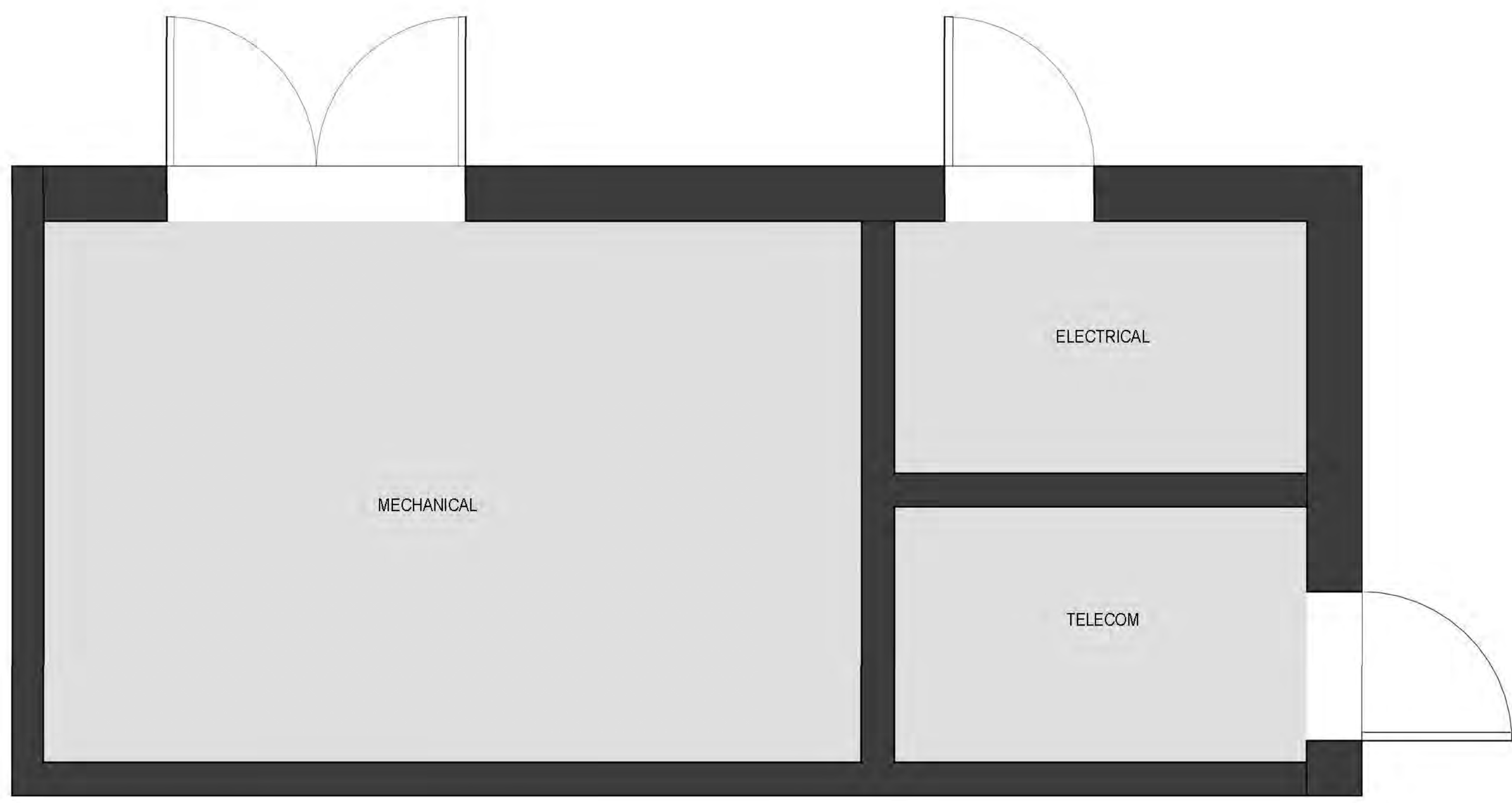
Date: 1 APRIL 2015
Designed By: Designer
Drawn By: Author
Checked By: Checker
Drawing No.: A-107

MODULE D - BUILDING SUPPORT ROOM SCHEDULE

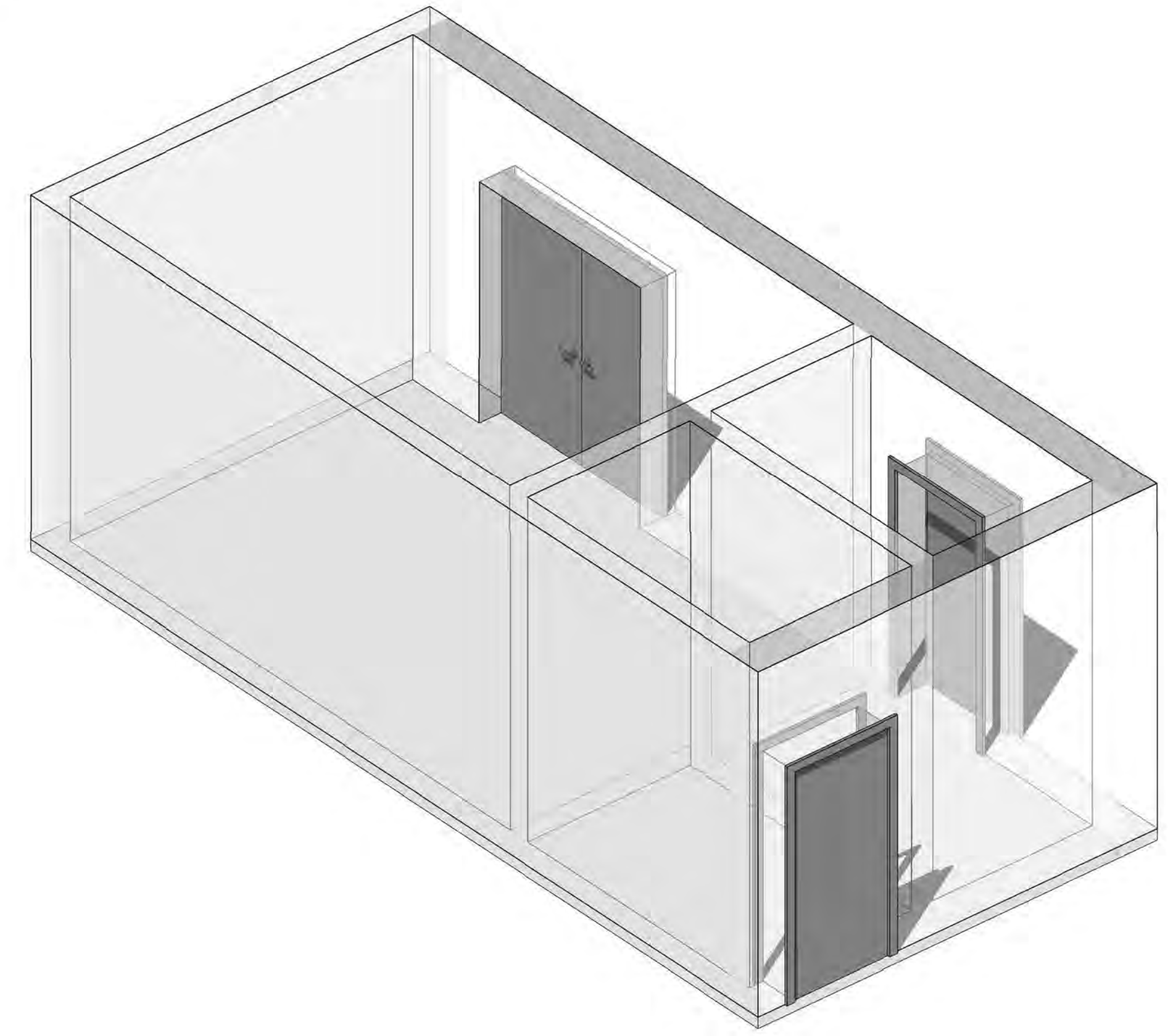
ROOM NAME	NET AREA
ELECTRICAL	SEE FC 4-721-02F APPENDIX B PROGRAMMING
MECHANICAL	
TELECOM	
Grand total	

GENERAL NOTES:

- UTILITY ROOM SIZES ARE SUBJECT TO VARIATIONS BASED ON CLIMATE LOCATIONS AND TYPE OF EQUIPMENT SELECTED.



1 MODULE D: BUILDING SUPPORT
0' 1' 2' 4' 6'



2 MODULE D - AXONOMETRIC VIEW
NOT TO SCALE

AIR FORCE CIVIL ENGINEERING CENTER
FACILITIES DYNAMIC PROTOTYPES DESIGN FOR:

LEVEL I CONFINEMENT FACILITY

Drawing Title:

MODULE D - FLOOR PLAN AND AXONOMETRIC

Date: 1 APRIL 2015

Designed By: Designer

Drawing No.:

Drawn By: Author

A-108

Checked By: Checker