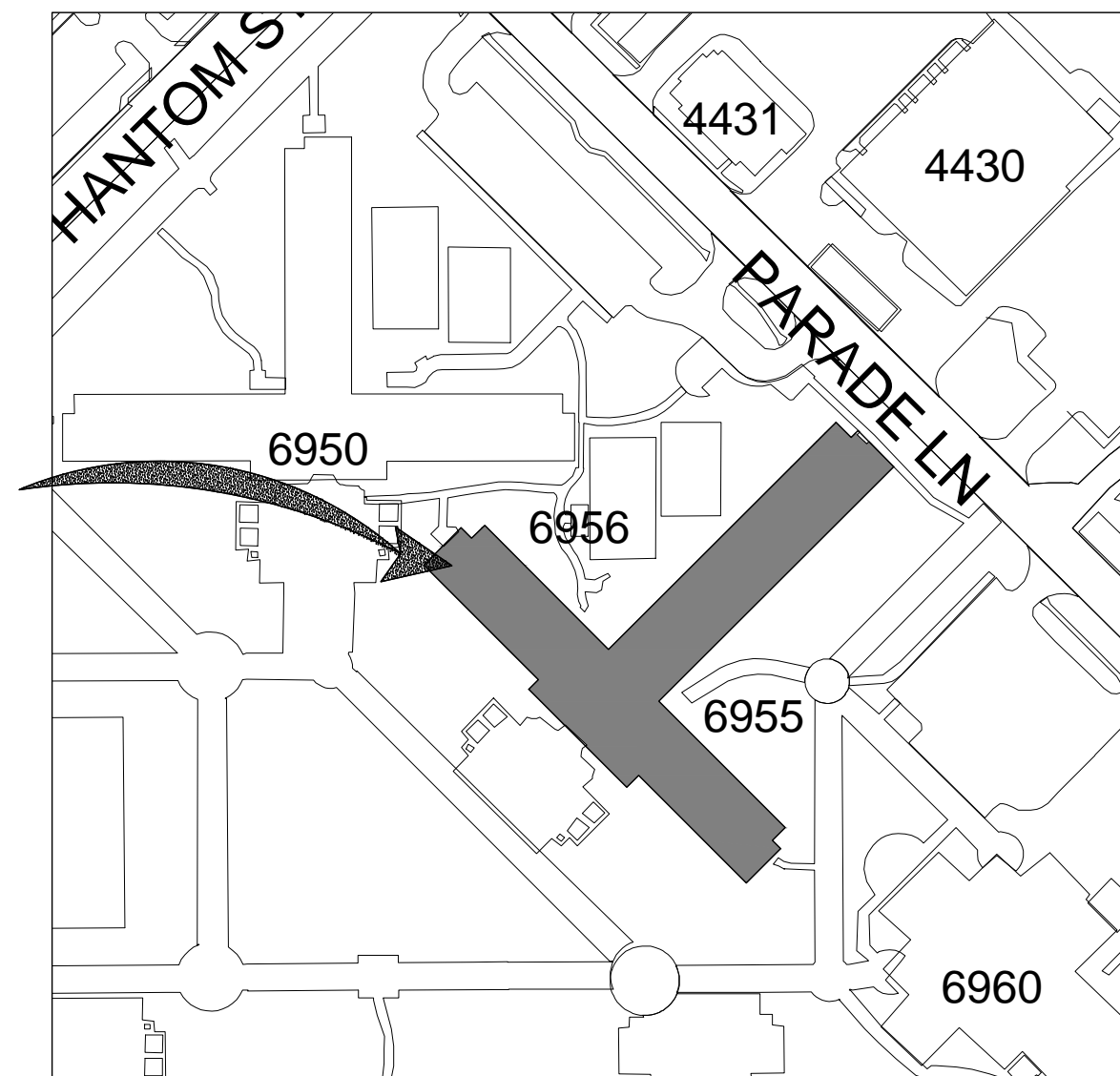


REPAIR STUDENT DORM DAVIS MANOR MAHG15-1053 KEESLER AFB, MISSISSIPPI

DAVIS MANOR
BUILDING 6955



KEESLER AFB, MS
LOCATION PLAN, BLDG 7315 - SMITH MANOR
NOT TO SCALE

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ABBREVIATIONS

AFF	ABOVE FINISH FLOOR	MIN	MINIMUM
ACT	ACOUSTICAL CEILING TILE	MLWK	MILLWORK
BD	BOARD	OC	ON CENTER
CONC.	CONCRETE	PLAM	PLASTIC LAMINATE
CONT	CONTINUOUS	PLUM	PLUMBING
CPT	CARPET	PLYWD	PLYWOOD
CT	CERAMIC TILE	PNT	PAINTED
ELECT	ELECTRIC	PT	PORCELAIN TILE
GWB	GYP SUM WALL BOARD	TYP	TYPICAL
GYP	GYP SUM	VCT	VINYL COMPOSITION TILE
HORZ	HORIZONTAL	VNYL	VINYL
HVAC	HEATING VENTING AIR CONDITIONING	VERT	VERTICAL
MAX	MAXIMUM	W/	WITH
MECH	MECHANICAL	WD	WOOD

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE KEESLER AIR FORCE BASE BLOOMINGVILLE, MISSISSIPPI OFFICE OF CIVIL ENGINEERS			

**REPAIR STUDENT DORM
DAVIS MANOR**

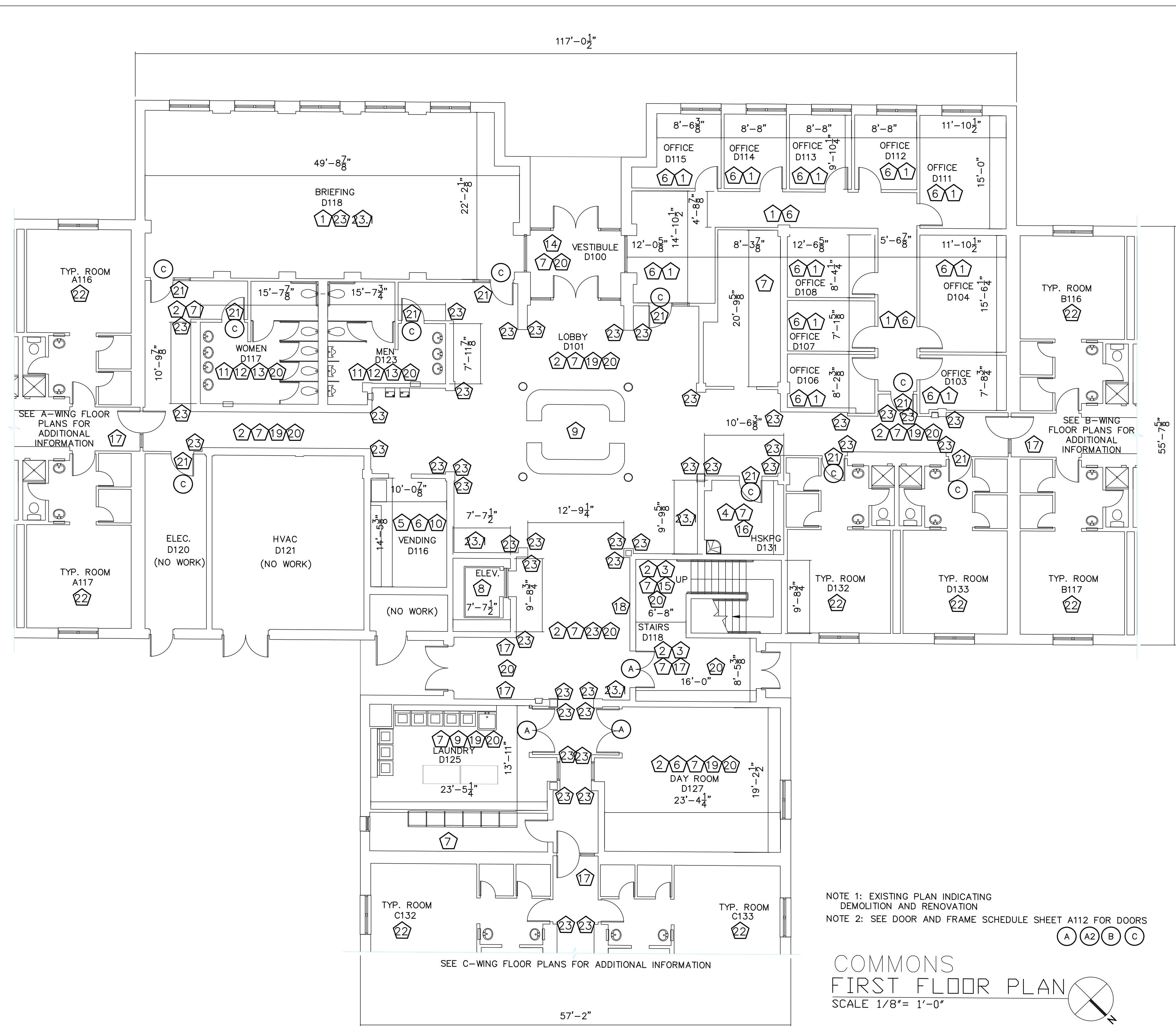
SUBMITTED: J.BERGERON (Chief of Contracts Design)	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955
DESIGNED: WILLIAMSON	CHECKED: G. REED	DRAWING NUMBER: T100
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053
		SHEET 1 OF 36

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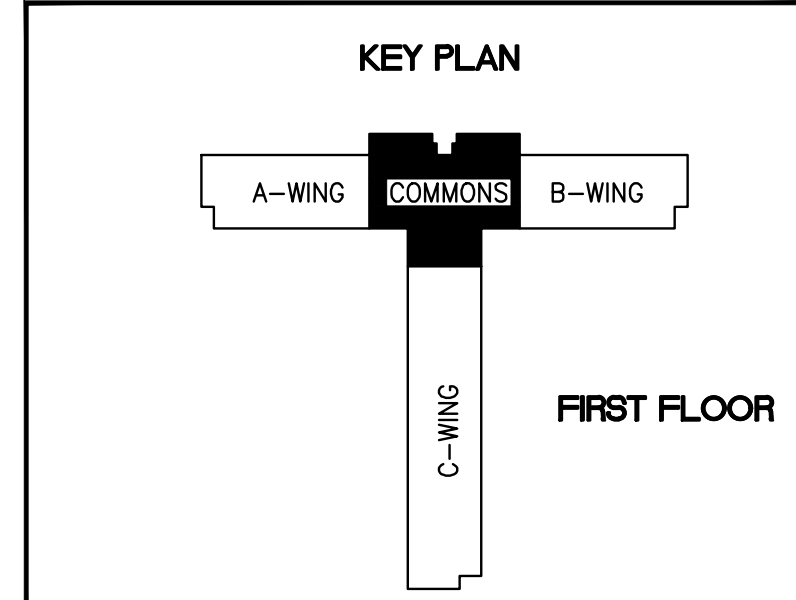
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- 12 REMOVE AND REPLACE TOILET PAPER DISPENSERS AND SOAP DISPENSERS.
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NOTE 2: SEE DOOR AND FRAME SCHEDULE SHEET A112 FOR DOORS

COMMONS FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"



REVISION	DATE	DRAWN	APPROVED

UNITED STATES AIR FORCE
KEESLER AIR FORCE BASE
BLOOMINGVILLE, MISSISSIPPI
OFFICE OF CIVIL ENGINEERS

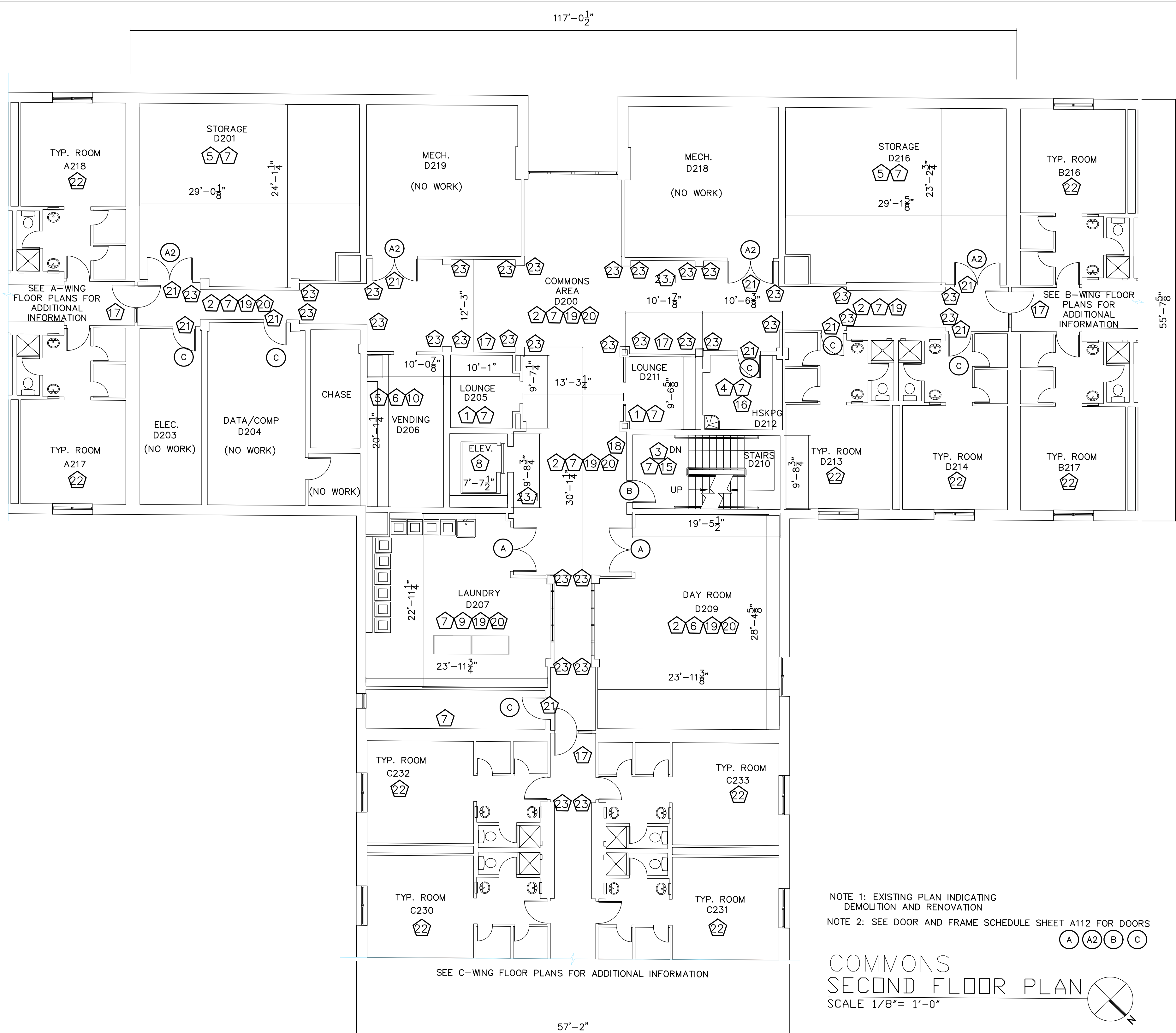
REPAIR STUDENT DORM DAVIS MANOR

SUBMITTED: J. BERGERON (Chief of Controls Design)	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955
DESIGNED: WILLIAMSON	CHECKED: G. REED	DRAWING NUMBER: A100
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053
SHEET 2 OF 36		

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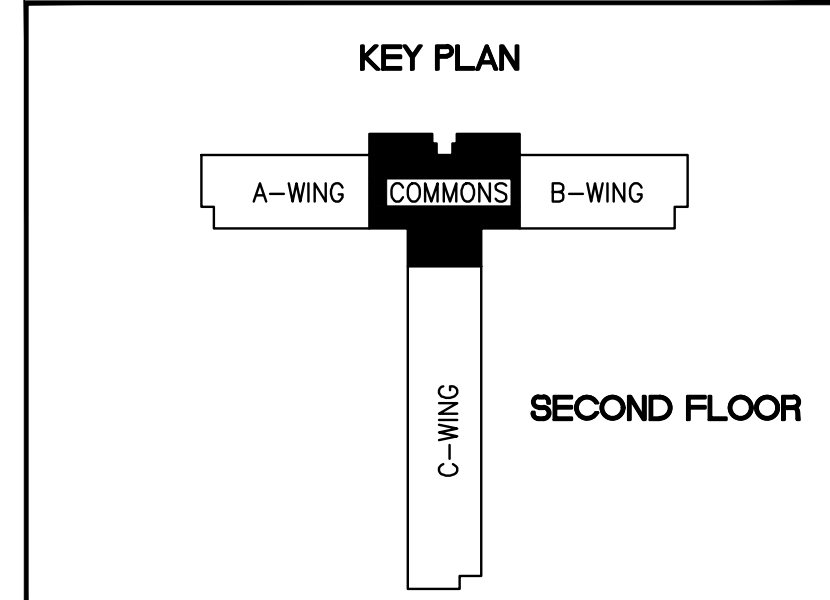
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(A A2 B C)

COMMONS SECOND FLOOR PLAN
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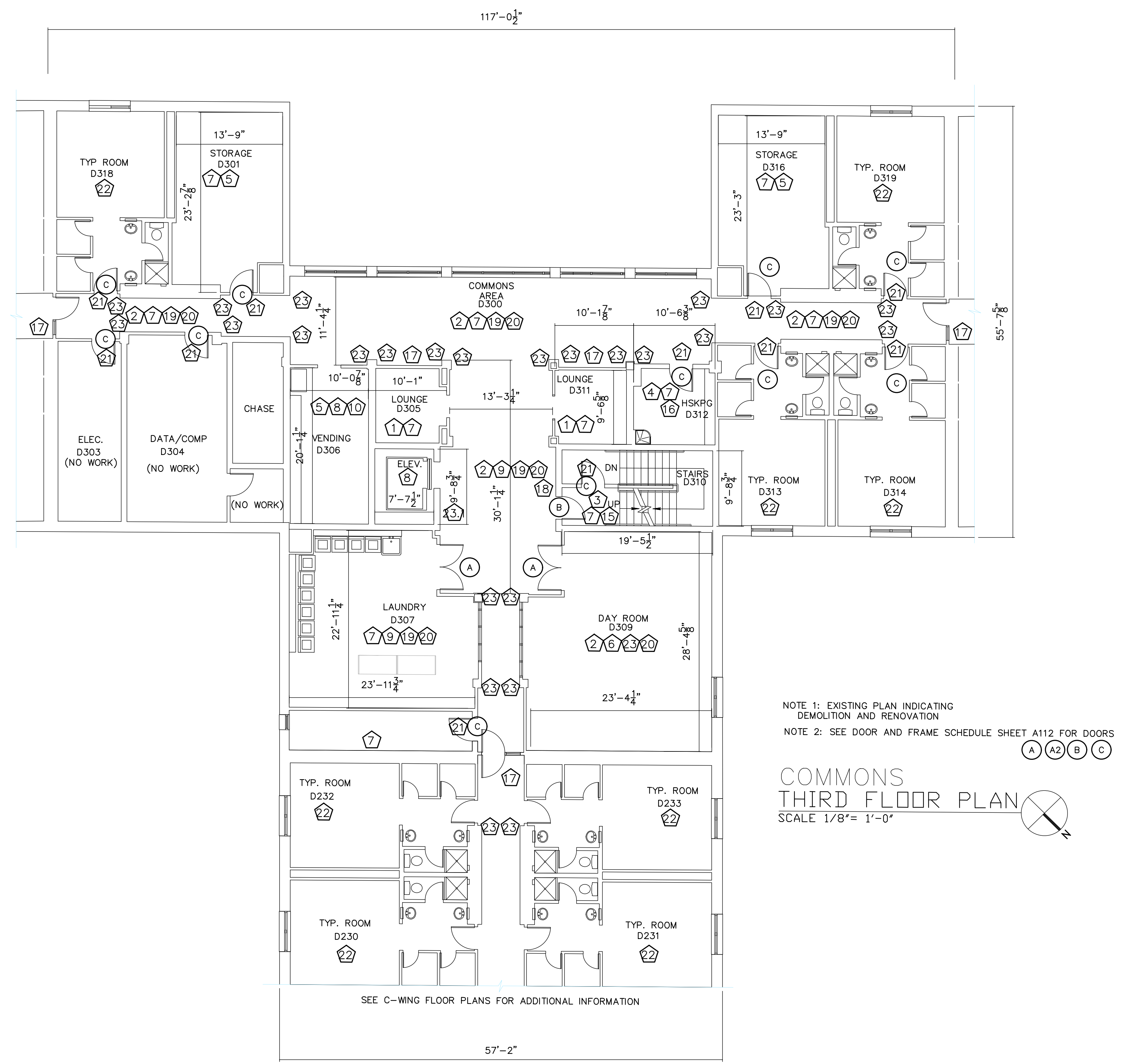


REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE KEESLER AIR FORCE BASE BLOOMINGVILLE, MISSISSIPPI OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
SUBMITTED: J.BERGERON DESIGNED: WILLIAMSON DRAWN: WILLIAMSON	CHECKED: G. REED DATE: 12 OCT 2022	RECOMMENDED: G. REED SCALE: VARIES PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955 DRAWING NUMBER: A101 SHEET 3 OF 36

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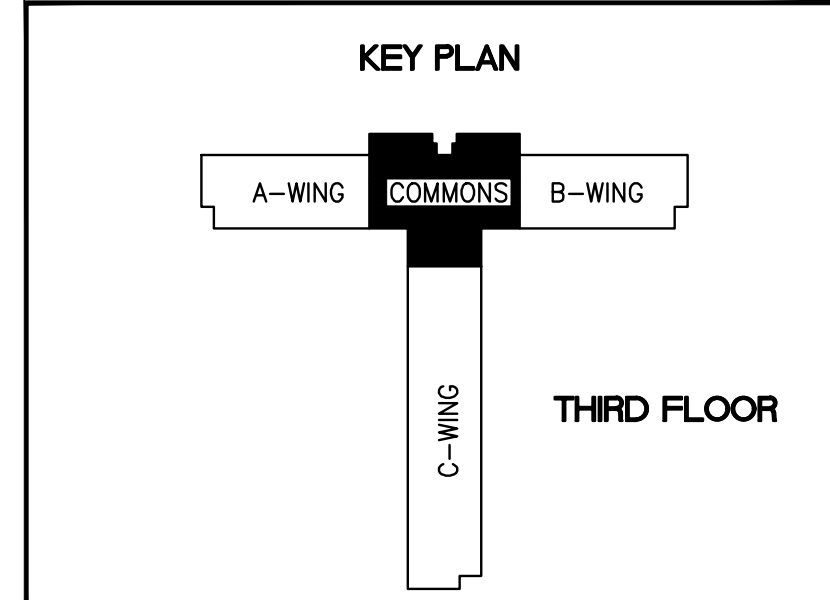
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(A) (A2) (B) (C)

**COMMONS
THIRD FLOOR PLAN**
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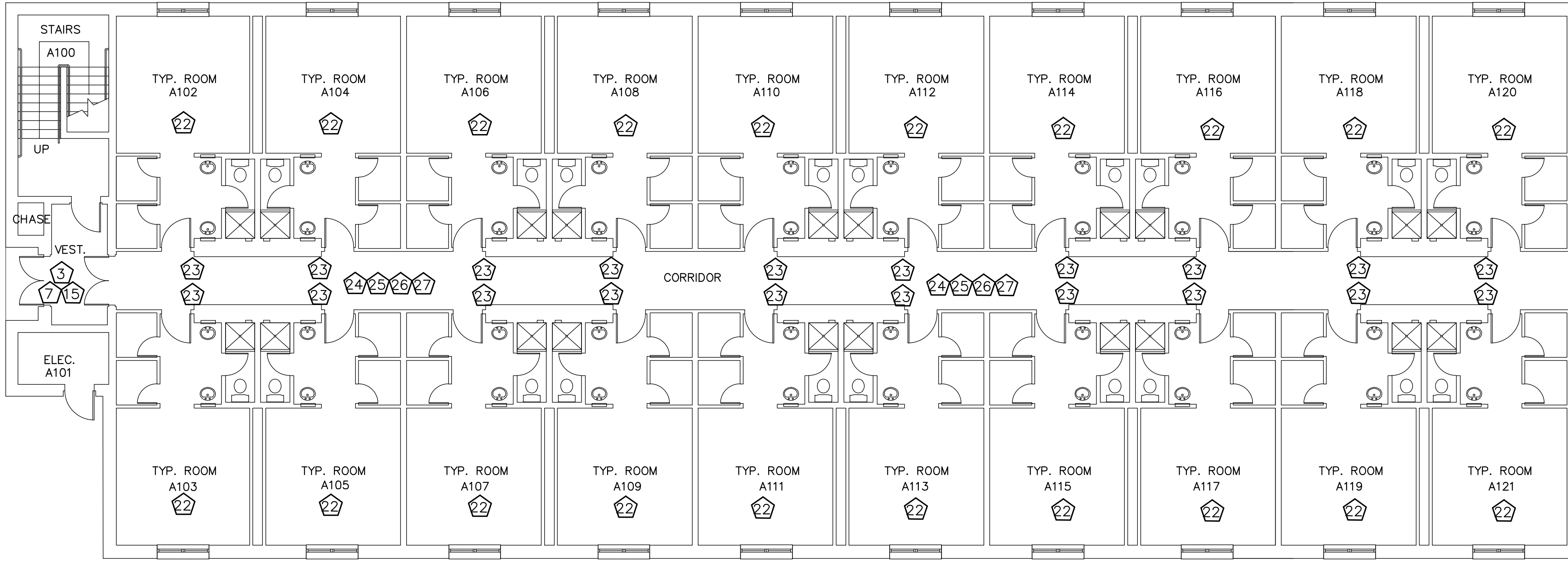


REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE BLOOMINGTON, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
<small>SUBMITTED:</small> J. BERGERON <small>(Chief of Contracts Design)</small>	<small>DESIGNED:</small> WILLIAMSON	<small>CHECKED:</small> G. REED	<small>DATE:</small> 12 OCT 2022
<small>RECOMMENDED:</small> G. REED <small>(Chief of Engineering)</small>	<small>SCALE:</small> VARIES	<small>PROJECT NUMBER:</small> MAHG15-1053	<small>FACILITY NUMBER:</small> 6955
<small>DRAWING NUMBER:</small> A102			<small>SHEET</small> 4 <small>OF</small> 36

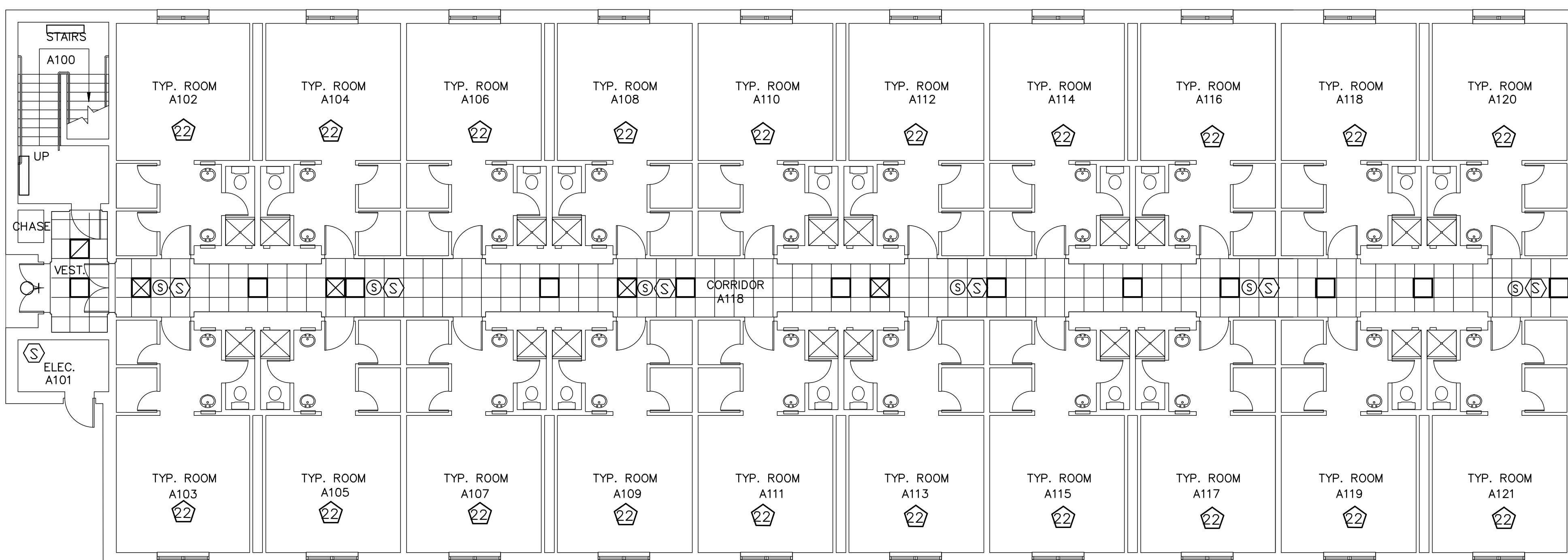
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5. REPLACE CEILING TILES SUPPORTING EXIT SIGNAGE WITH 3/4" WHITE MELAMINE FACED PANELING. FASTEN "EXIT" SIGNAGE TO MELAMINE PANEL.
6. REMOVE AND DISPOSE OF ALL NAILS, BRACKETS, AND OTHER UNUSED ITEMS FROM WALL BEFORE PATCHING AND PAINTING.
7. REPLACE ANY MISSING OR DAMAGED ELECTRICAL FACE PLATES IN DORM ROOMS- MATCH EXISTING. REPLACE COMMON AREA FACEPLATES AS NOTED.
8. REMOVE SEALANT FROM ALL WINDOWS AND PREPARE FOR NEW SEALANT. APPLY NEW SEALANT IN A PROFESSIONAL WORKMAN LIKE MANNER.

TYPICAL DORM WING HALL KEYED NOTES	
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7	PATCH GYPSUM WALLBOARD HOLES, SCRATCHES, AND CRACKS AS NECESSARY. MATCH EXISTING WALL TEXTURE. PAINT ACCORDING TO SPECIFICATIONS.
15	REPAIR PEELING WALL FINISH IN STAIRWELLS. PRIME AND PAINT STAIRWELL WALLS AND HANDRAIL STRIP, CLEAN STAIR NOSING AND CONCRETE. RESEAL/PAINT CONCRETE. REMOVE AND PROVIDE NEW RUBBER FLOORING AT LANDINGS WITH NEW RUBBER BASE.
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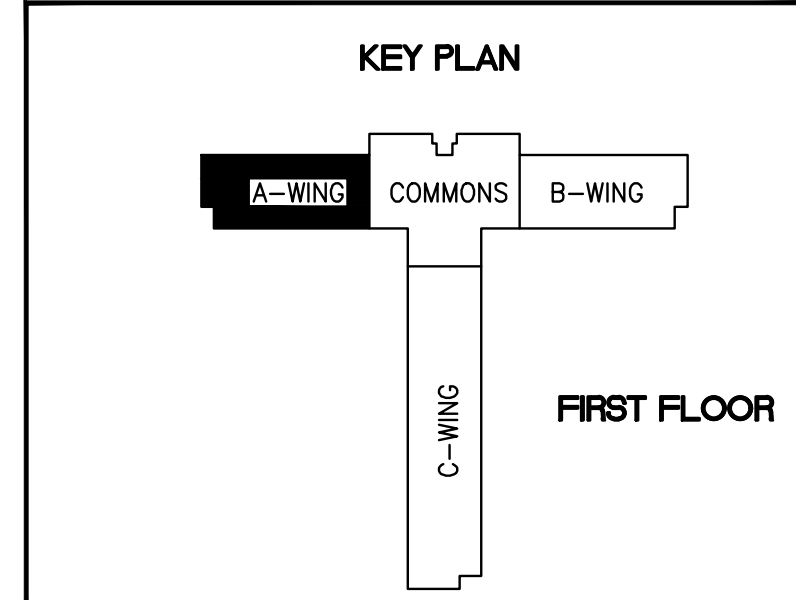


A-WING
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION



A-WING
FIRST FLOOR
REFLECTED CEILING PLAN
SCALE 1/8" = 1'-0"
NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION
CORRIDOR AREA RCP FOR REFERENCE ONLY

LEGEND	
[Square]	FLUORESCENT FIXTURE
[Circle]	RECESSED INCANDESCENT FIXTURE
[Square with X]	MECHANICAL DIFFUSERS
[Circle with S]	SMOKE DETECTOR
[Circle with S]	SPEAKER

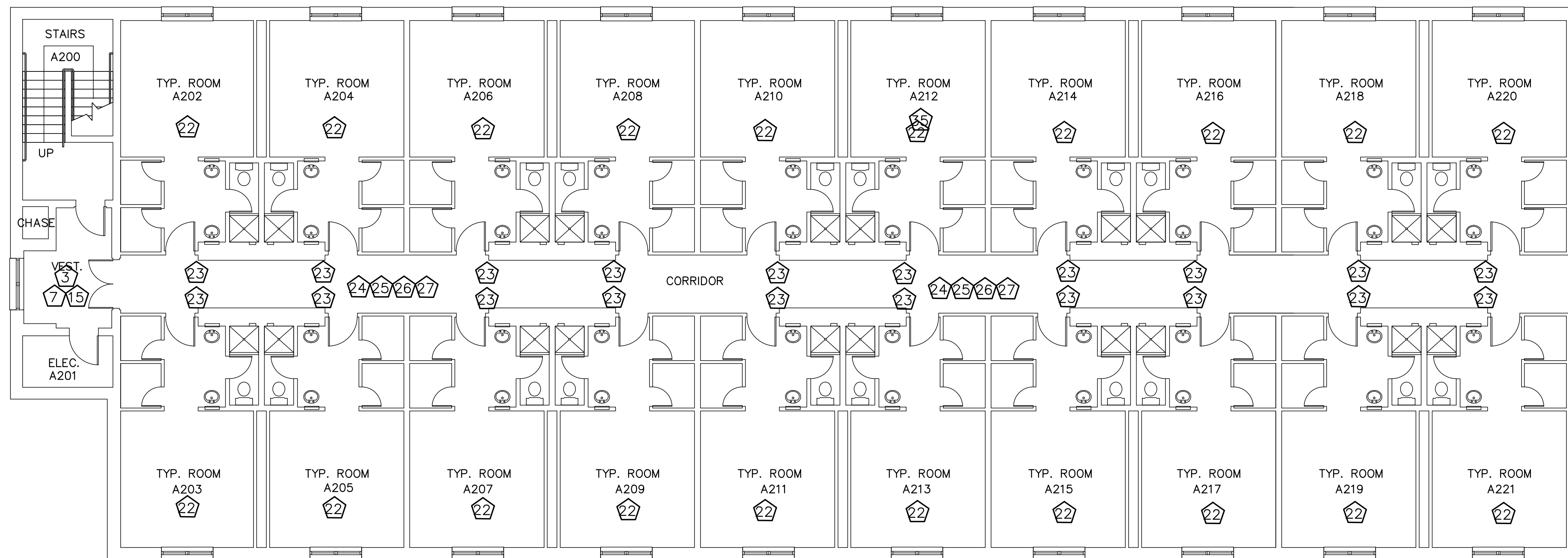


REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE BLOOMINGVILLE, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
SUBMITTED: J. BERGERON (Chief of Contracts Design)	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955	
DESIGNED: WILLIAMSON	CHECKED: G. REED	SCALE: VARIES	DRAWING NUMBER: A103
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053	SHEET 5 OF 36

GENERAL NOTES:

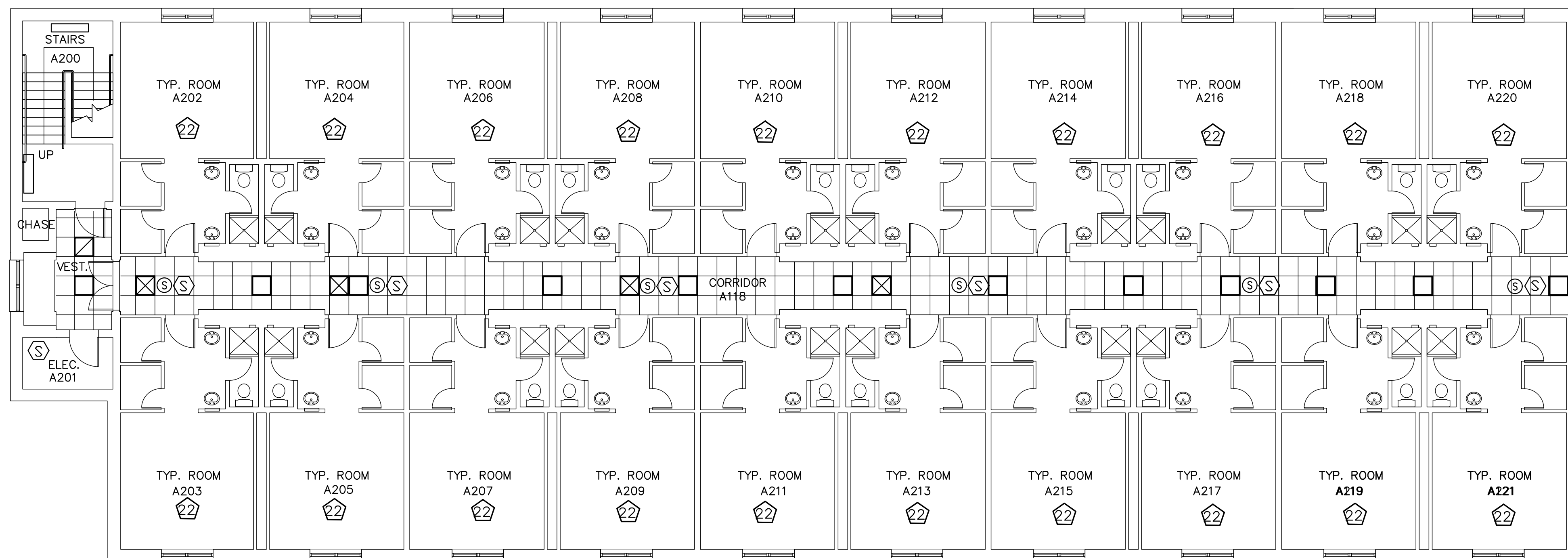
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A-WING
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

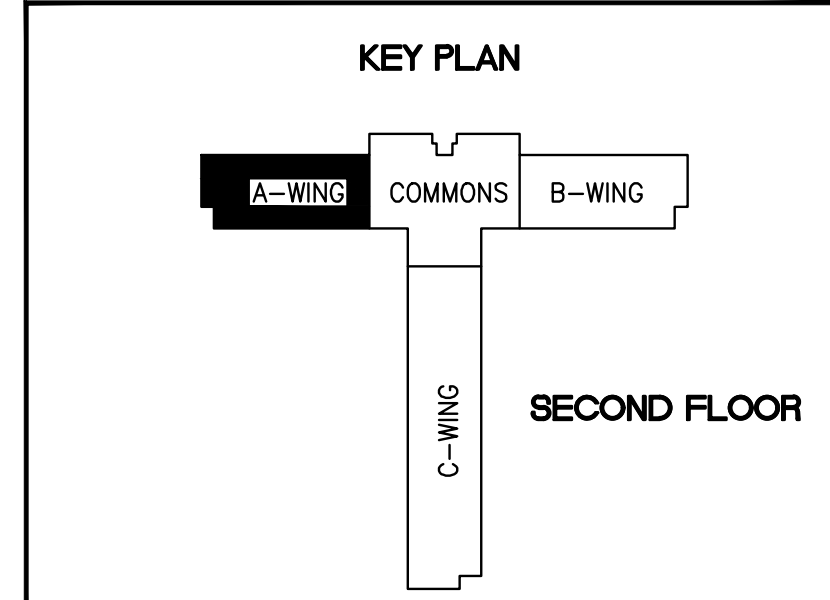
NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION



A-WING
SECOND FLOOR
REFLECTED CEILING PLAN
SCALE 1/8" = 1'-0"

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LEGEND	
[Symbol]	FLUORESCENT FIXTURE
[Symbol]	RECESSED INCANDESCENT FIXTURE
[Symbol]	MECHANICAL DIFFUSERS
[Symbol]	SMOKE DETECTOR
[Symbol]	SPEAKER

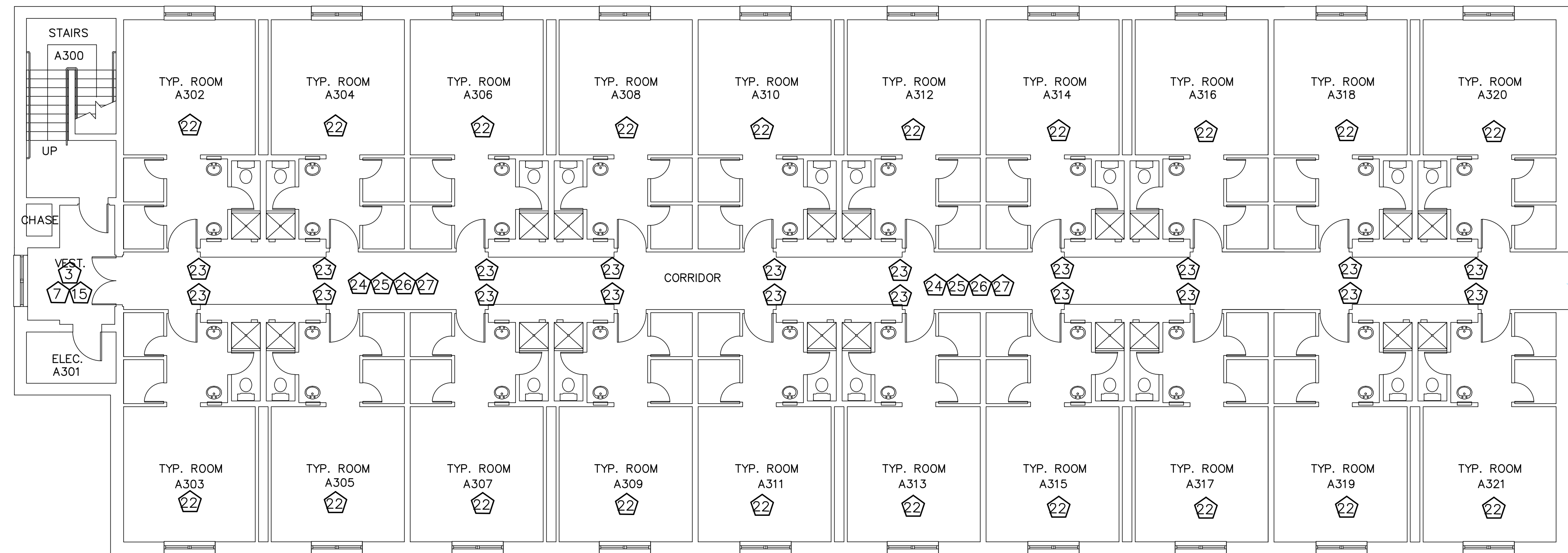


REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
BLOOMINGVILLE, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
SUBMITTED: J. BERGERON (Chief of Contracts Design)	DESIGNED: WILLIAMSON	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955
CHECKED: G. REED	DATE: 12 OCT 2022	SCALE: VARIES	DRAWING NUMBER: A104
DRAWN: WILLIAMSON	PROJECT NUMBER: MAHG15-1053	SHEET 6 OF 36	

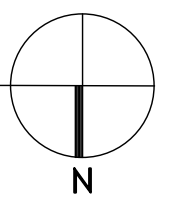
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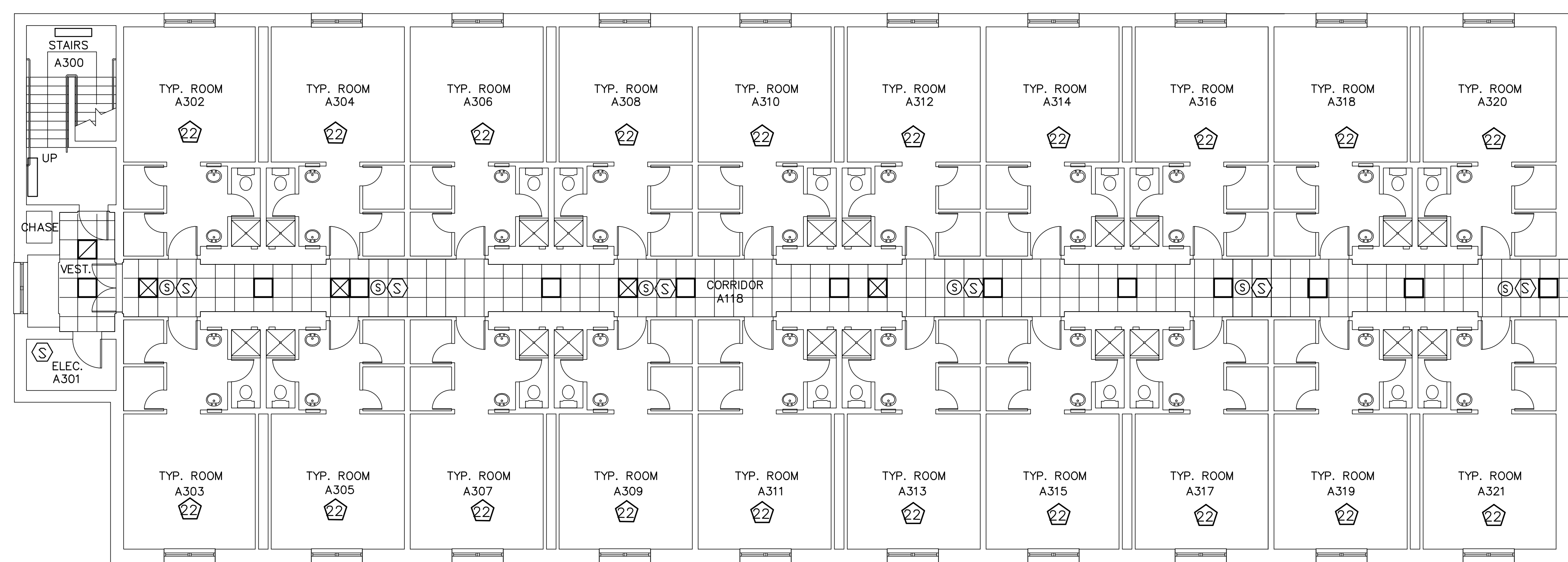
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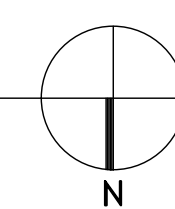
A-WING
THIRD FLOOR PLAN
SCALE 1/8" = 1'-0"



NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

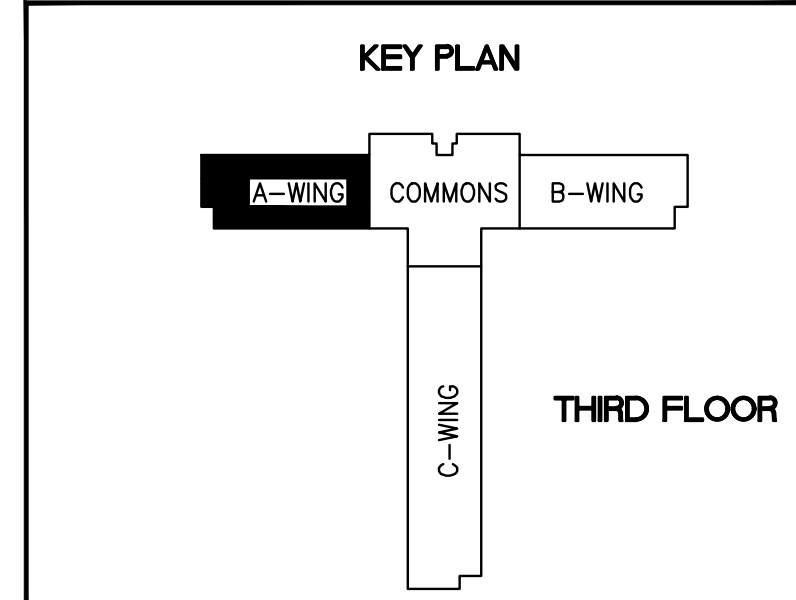


A-WING
THIRD FLOOR
REFLECTED CEILING PLAN
SCALE 1/8" = 1'-0"



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CORRIDOR AREA RCP FOR REFERENCE ONLY

LEGEND	
	FLUORESCENT FIXTURE
	RECESSED INCANDESCENT FIXTURE
	MECHANICAL DIFFUSERS
	SMOKE DETECTOR
	SPEAKER

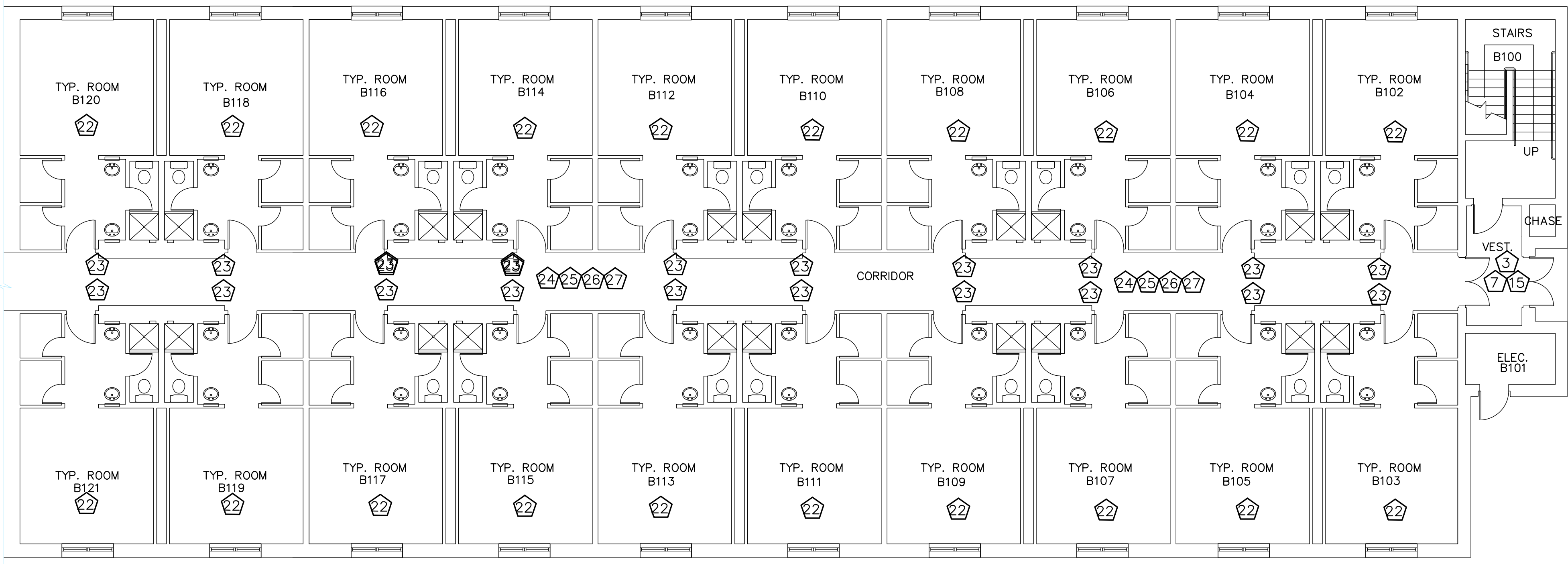


REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE BLOOMINGVILLE, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
SUBMITTED: J. BERGERON (Chief of Contracts Design)	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955	
DESIGNED: WILLIAMSON	CHECKED: G. REED	SCALE: VARIES	DRAWING NUMBER: A105
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053	SHEET 7 OF 36

GENERAL NOTES:

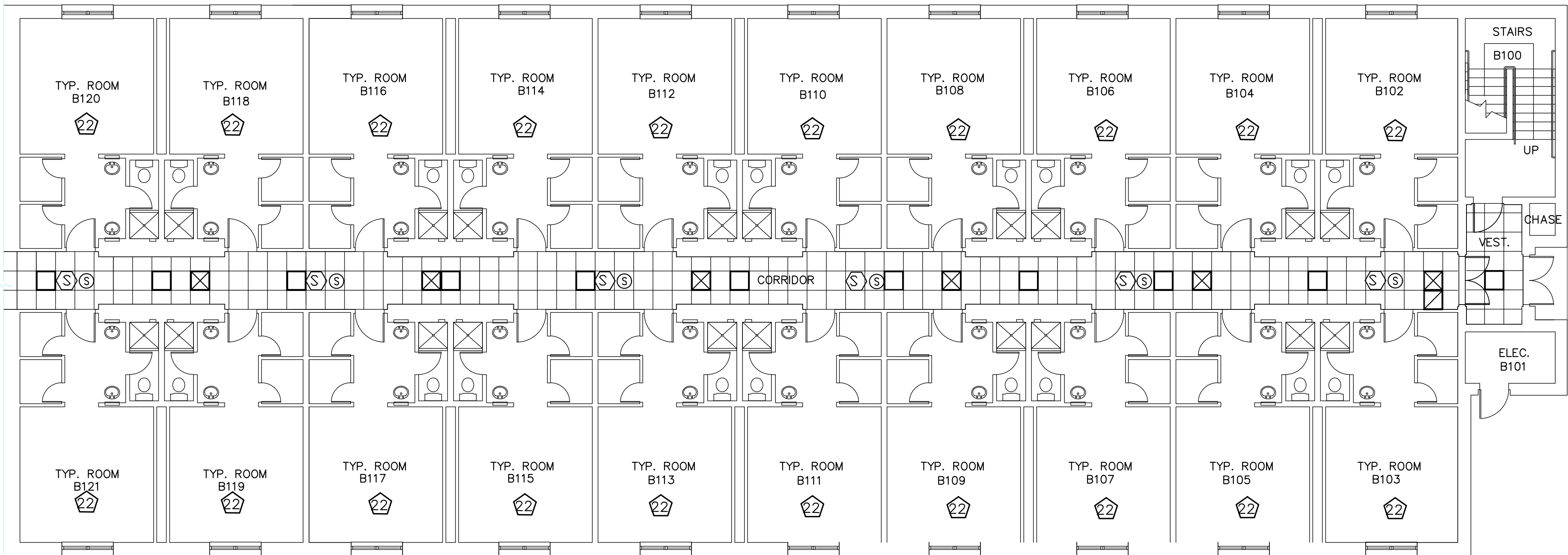
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**B-WING
FIRST FLOOR PLAN**
SCALE 1/8" = 1'-0"

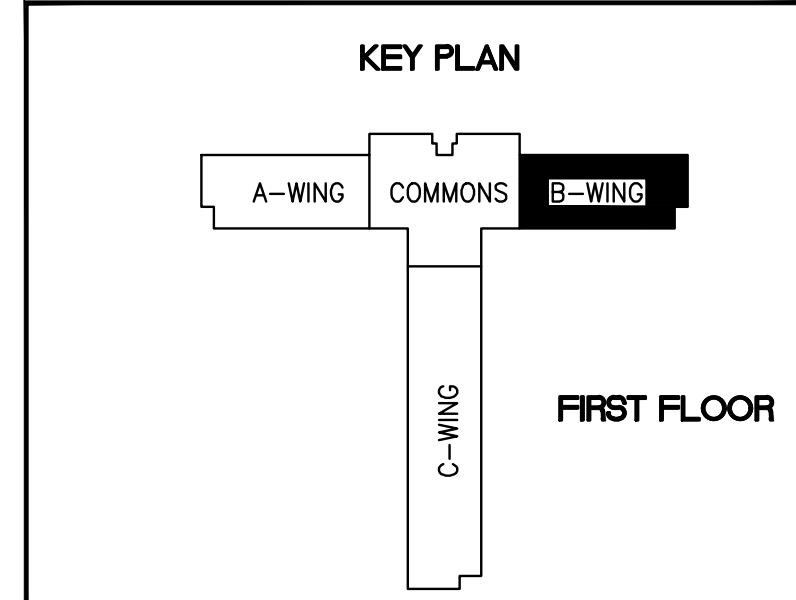
NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION



**B-WING
FIRST FLOOR
REFLECTED CEILING PLAN**
SCALE 1/8" = 1'-0"

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CORRIDOR AREA RCP FOR REFERENCE ONLY

LEGEND	
[Symbol]	FLUORESCENT FIXTURE
[Symbol]	RECESSED INCANDESCENT FIXTURE
[Symbol]	MECHANICAL DIFFUSERS
[Symbol]	SMOKE DETECTOR
[Symbol]	SPEAKER



REVISION	DATE	DRAWN	APPROVED

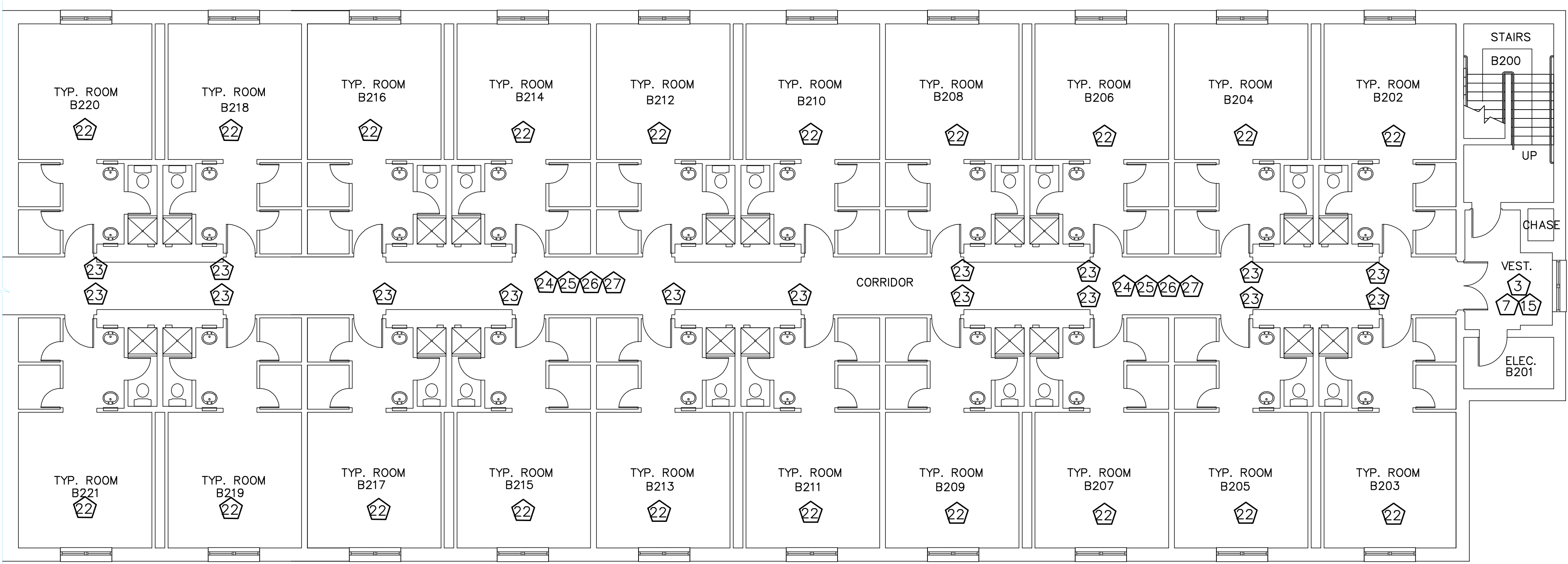
UNITED STATES AIR FORCE
KEESLER AIR FORCE BASE
BLOOMINGVILLE, MISSISSIPPI
OFFICE OF CIVIL ENGINEERS

**REPAIR STUDENT DORM
DAVIS MANOR**

SUBMITTED: J. BERGERON (Chief of Contracts Design)	DESIGNED: WILLIAMSON	CHECKED: G. REED	DATE: 12 OCT 2022	RECOMMENDED: (Chief of Engineering) G. REED	SCALE: VARIES	PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955	DRAWING NUMBER: A106	SHEET 8 of 36
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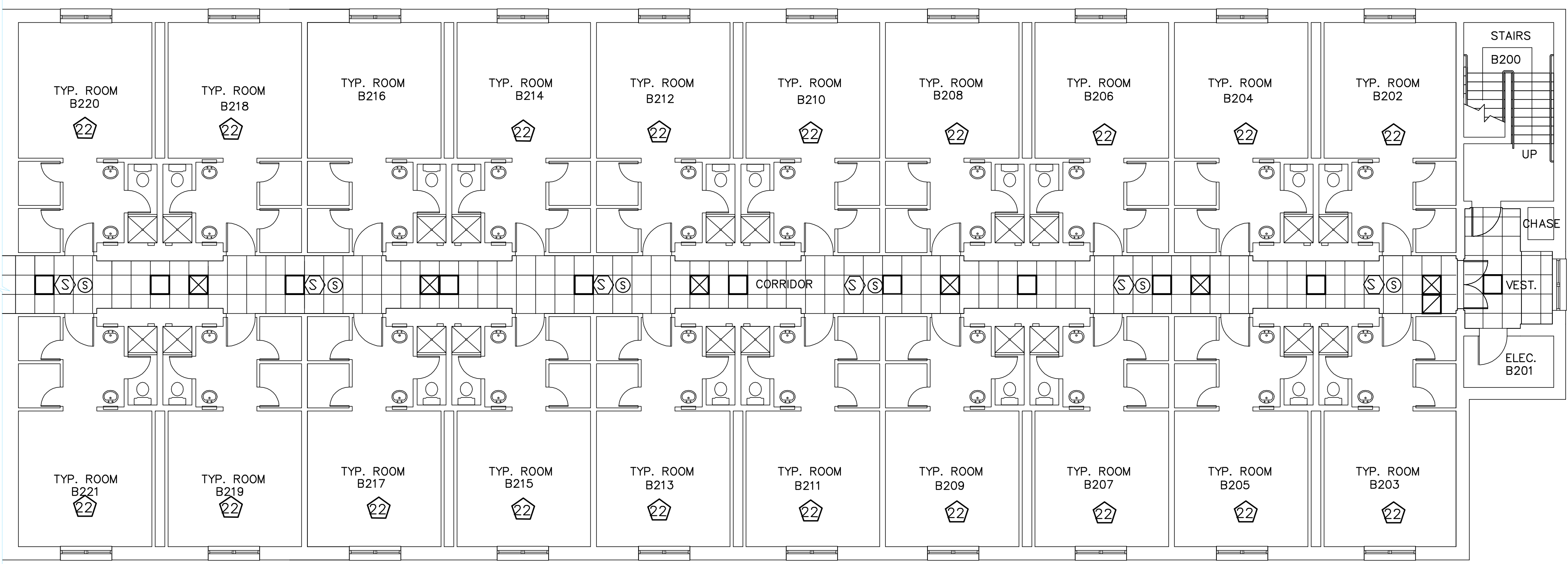
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**B-WING
SECOND FLOOR PLAN**
SCALE 1/8" = 1'-0"

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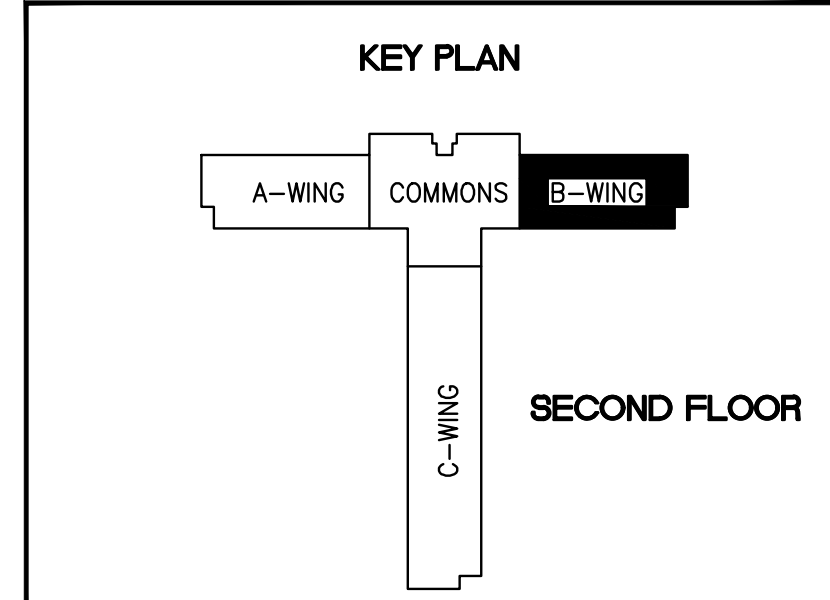


**B-WING
SECOND FLOOR
REFLECTED CEILING PLAN**
SCALE 1/8" = 1'-0"

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REVISION	DATE	DRAWN	APPROVED

UNITED STATES AIR FORCE
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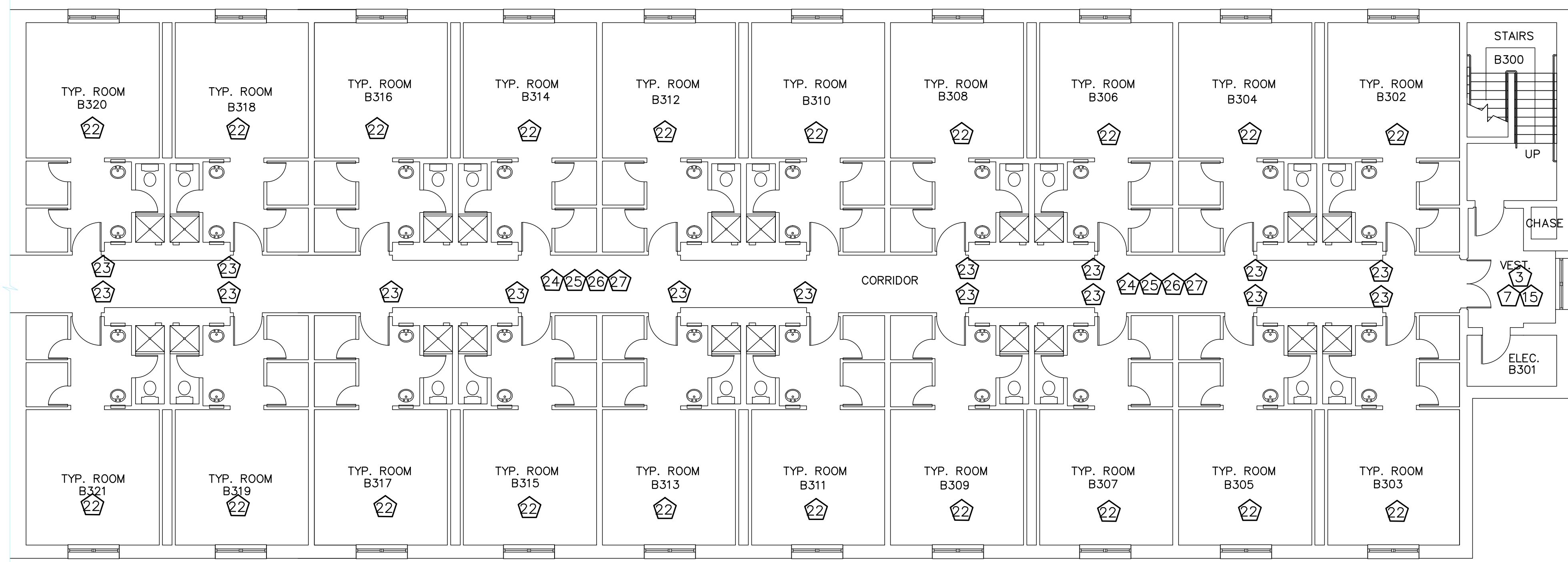
**REPAIR STUDENT DORM
DAVIS MANOR**

SUBMITTED: J. BERGERON (Chief of Contracts Design)	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955
DESIGNED: WILLIAMSON	CHECKED: G. REED	DRAWING NUMBER: A107
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053
SHEET 9 OF 36		

GENERAL NOTES:

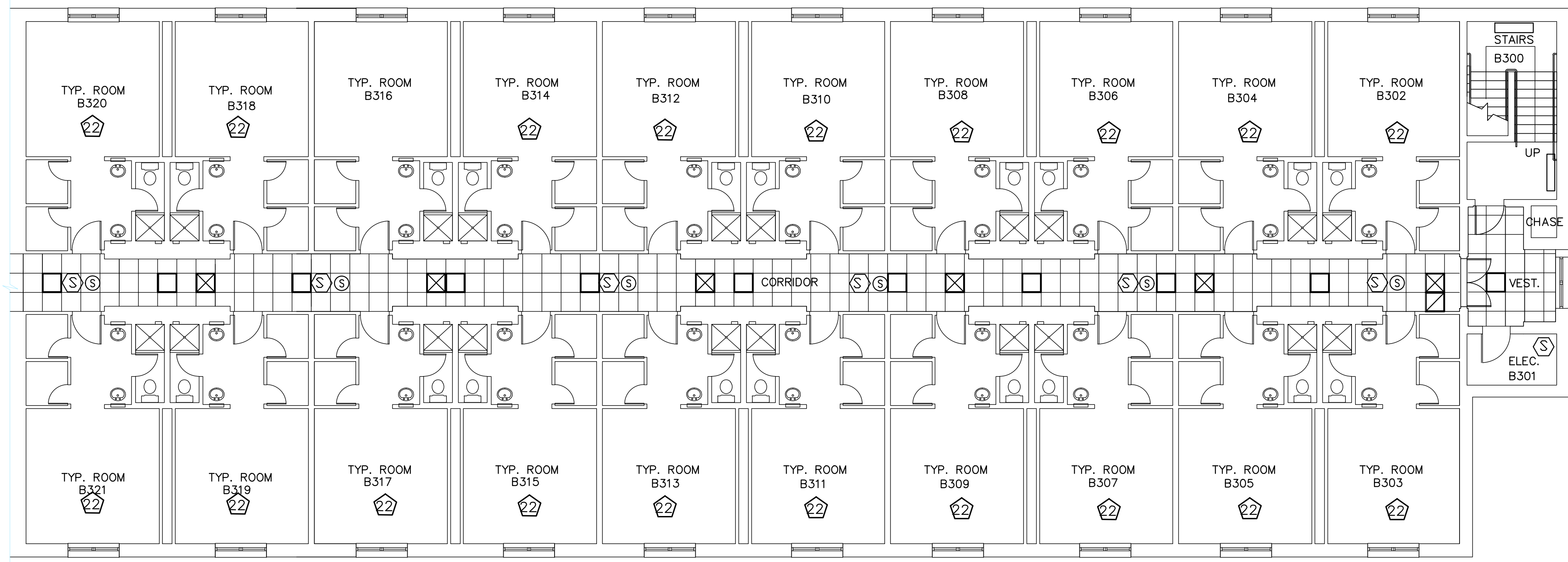
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5. REPLACE CEILING TILES SUPPORTING EXIT SIGNAGE WITH 3/4" WHITE MELAMINE FACED PANELING. FASTEN "EXIT" SIGNAGE TO MELAMINE PANEL.
6. REMOVE AND DISPOSE OF ALL NAILS, BRACKETS, AND OTHER UNUSED ITEMS FROM WALL BEFORE PATCHING AND PAINTING.
7. REPLACE ANY MISSING OR DAMAGED ELECTRICAL FACE PLATES IN DORM ROOMS- MATCH EXISTING. REPLACE COMMON AREA FACEPLATES AS NOTED.
8. REMOVE SEALANT FROM ALL WINDOWS AND PREPARE FOR NEW SEALANT. APPLY NEW SEALANT IN A PROFESSIONAL WORKMAN LIKE MANNER.

TYPICAL DORM WING HALL KEYED NOTES	
3	REMOVE RUBBER FLOORING & RUBBER BASE. PROVIDE NEW RUBBER FLOORING & 6" RUBBER BASE IN STAIRWELLS AND VESTIBULES. REPAIR ANY DAMAGED WALL BEFORE APPLYING NEW BASE.
7	PATCH GYPSUM WALLBOARD HOLES, SCRATCHES, AND CRACKS AS NECESSARY. MATCH EXISTING WALL TEXTURE. PAINT ACCORDING TO SPECIFICATIONS.
15	REPAIR PEELING WALL FINISH IN STAIRWELLS. PRIME AND PAINT STAIRWELL WALLS AND HANDRAIL STRIP. CLEAN STAIR NOSING AND CONCRETE. RESEAL/PAINT CONCRETE. REMOVE AND PROVIDE NEW RUBBER FLOORING AT LANDINGS WITH NEW RUBBER BASE.
22	REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS (1/A112).
23	PROVIDE 4' TALL HEAVY DUTY CORNER GUARDS.
24	REMOVE EXISTING RUBBER BASE. REPAIR DAMAGED GYPSUM WALLBOARD BACKER AS REQUIRED. REPLACE WITH MATCHING CERAMIC TILE BASE AND GROUT.
25	PATCH GYPSUM WALLBOARD HOLES, SCRATCHES, SPLITS AND CRACKS AS NECESSARY. MATCH EXISTING WALL TEXTURE.
26	REPLACE DORM ROOM SIGNAGE. MATCH EXISTING ROOM SIGNAGE.
27	STRIP, CLEAN, & SEAL TILE FLOORS AND GROUT.



B-WING
THIRD FLOOR PLAN
SCALE 1/8" = 1'-0"

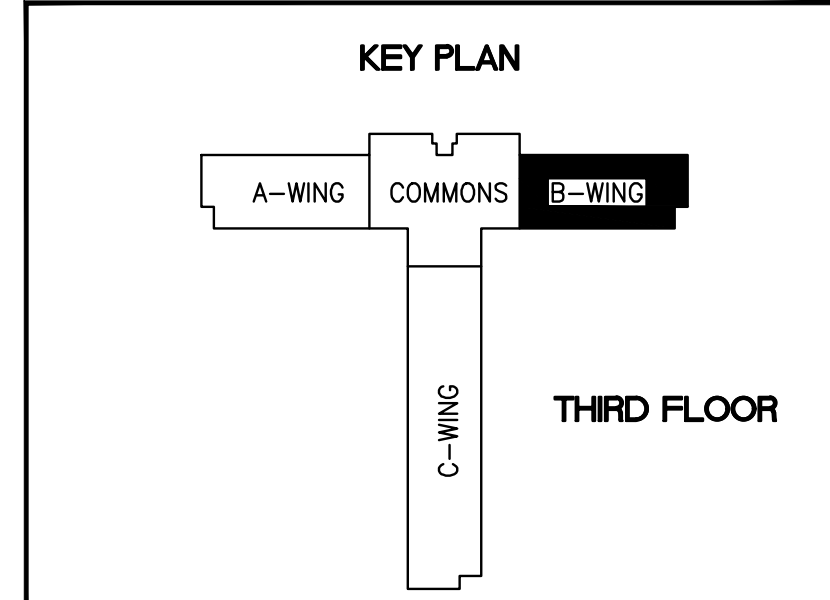
NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION



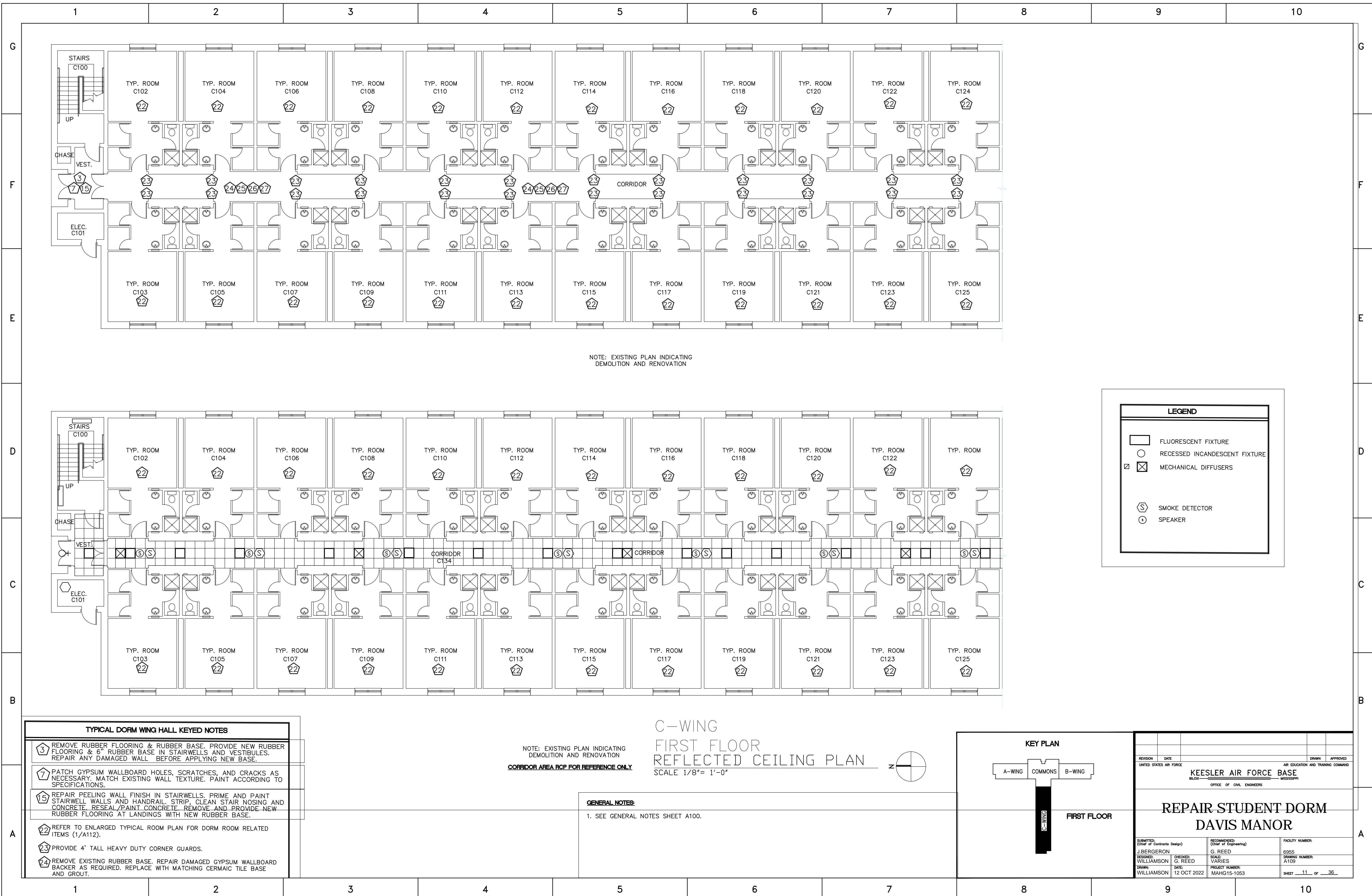
B-WING
THIRD FLOOR
REFLECTED CEILING PLAN
SCALE 1/8" = 1'-0"

NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION
CORRIDOR AREA RCP FOR REFERENCE ONLY

LEGEND	
[Symbol]	FLUORESCENT FIXTURE
[Symbol]	RECESSED INCANDESCENT FIXTURE
[Symbol]	MECHANICAL DIFFUSERS
[Symbol]	SMOKE DETECTOR
[Symbol]	SPEAKER



REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE BLOOMINGVILLE, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
SUBMITTED: J. BERGERON (Chief of Contracts Design)	DESIGNED: WILLIAMSON	CHECKED: G. REED	DATE: 12 OCT 2022
RECOMMENDED: G. REED (Chief of Engineering)	SCALE: VARIES	PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955
			DRAWING NUMBER: A108
			SHEET 10 OF 36



NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

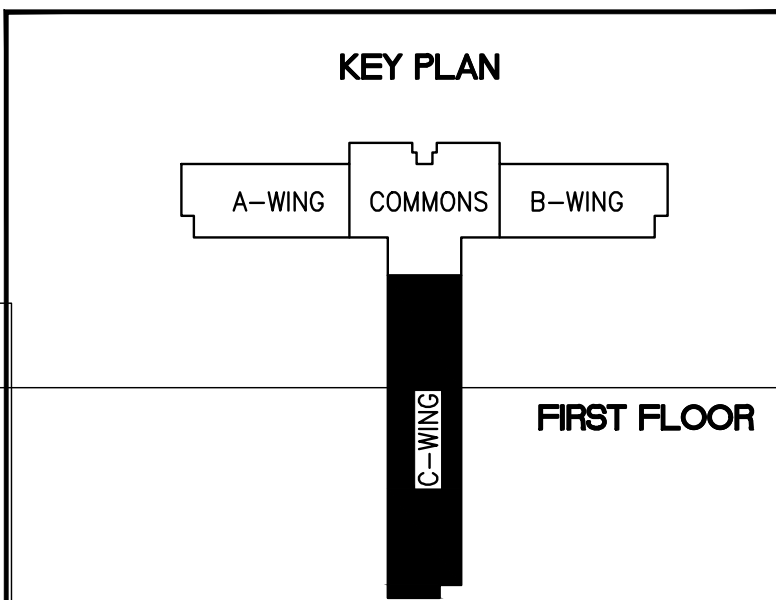
LEGEND	
	FLUORESCENT FIXTURE
	RECESSED INCANDESCENT FIXTURE
	MECHANICAL DIFFUSERS
	SMOKE DETECTOR
	SPEAKER

TYPICAL DORM WING HALL KEYED NOTES	
	REMOVE RUBBER FLOORING & RUBBER BASE. PROVIDE NEW RUBBER FLOORING & 6" RUBBER BASE IN STAIRWELLS AND VESTIBULES. REPAIR ANY DAMAGED WALL BEFORE APPLYING NEW BASE.
	PATCH GYPSUM WALLBOARD HOLES, SCRATCHES, AND CRACKS AS NECESSARY. MATCH EXISTING WALL TEXTURE. PAINT ACCORDING TO SPECIFICATIONS.
	REPAIR PEELING WALL FINISH IN STAIRWELLS. PRIME AND PAINT STAIRWELL WALLS AND HANDRAIL STRIP. CLEAN STAIR NOSING AND CONCRETE. RESEAL/PAINT CONCRETE. REMOVE AND PROVIDE NEW RUBBER FLOORING AT LANDINGS WITH NEW RUBBER BASE.
	REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS (1/A112).
	PROVIDE 4' TALL HEAVY DUTY CORNER GUARDS.
	REMOVE EXISTING RUBBER BASE. REPAIR DAMAGED GYPSUM WALLBOARD BACKER AS REQUIRED. REPLACE WITH MATCHING CERMAIC TILE BASE AND GROUT.

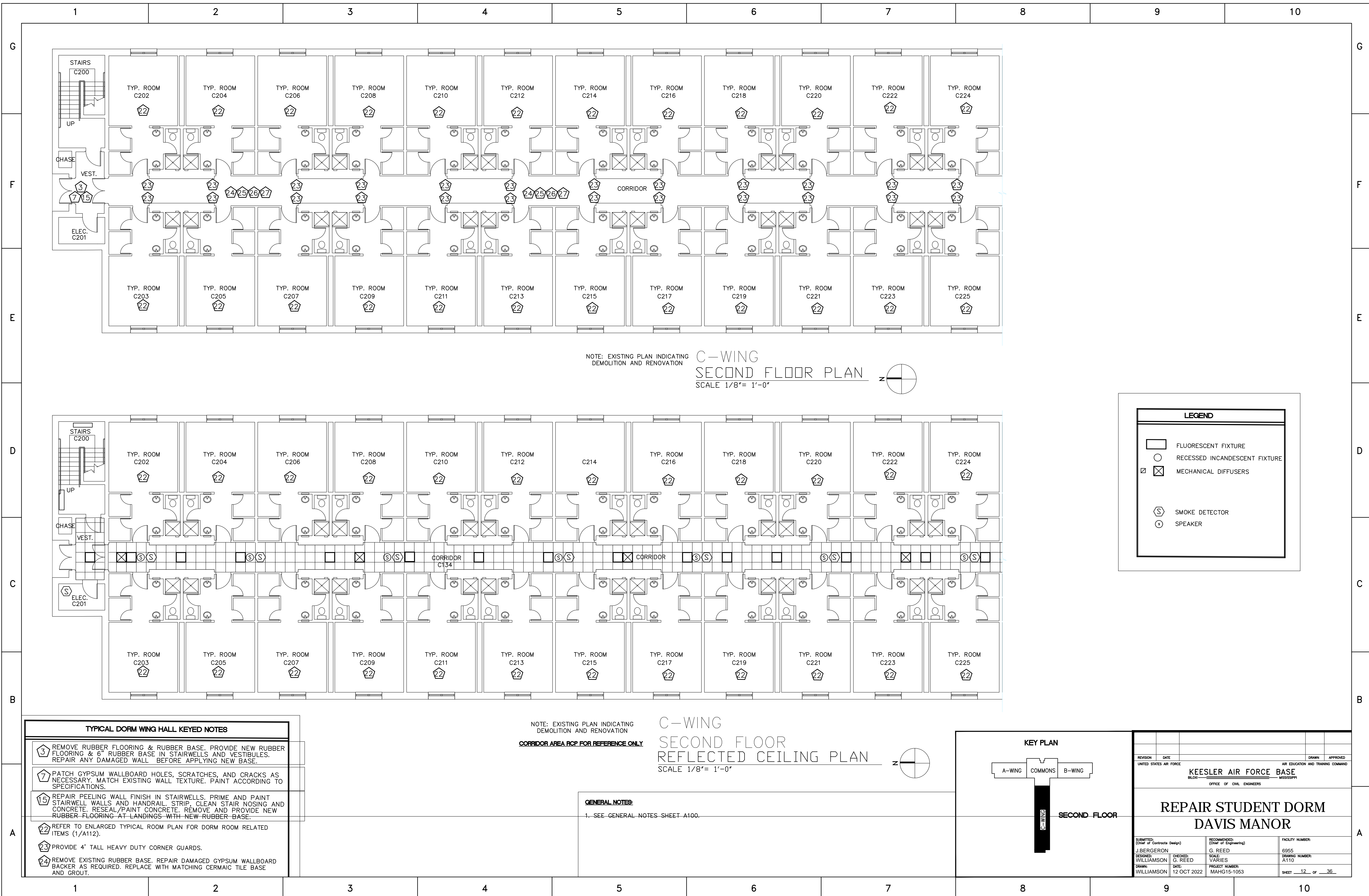
NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION
CORRIDOR AREA RCP FOR REFERENCE ONLY

C-WING
FIRST FLOOR
REFLECTED CEILING PLAN
SCALE 1/8" = 1'-0"

GENERAL NOTES
1. SEE GENERAL NOTES SHEET A100.



REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE BLOOMINGVILLE, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
SUBMITTED: J. BERGERON (Chief of Contracts Design)	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955	
DESIGNED: WILLIAMSON	CHECKED: G. REED	SCALE: VARIES	DRAWING NUMBER: A109
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053	SHEET 11 OF 36



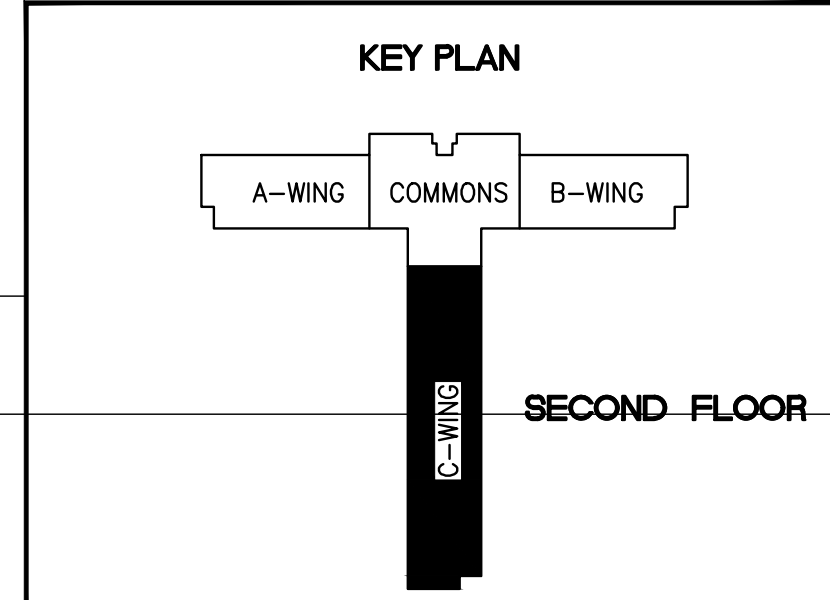
NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION
C-WING SECOND FLOOR PLAN
 SCALE 1/8" = 1'-0"

NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION
C-WING SECOND FLOOR REFLECTED CEILING PLAN
 SCALE 1/8" = 1'-0"

LEGEND	
	FLUORESCENT FIXTURE
	RECESSED INCANDESCENT FIXTURE
	MECHANICAL DIFFUSERS
	SMOKE DETECTOR
	SPEAKER

TYPICAL DORM WING HALL KEYED NOTES	
	REMOVE RUBBER FLOORING & RUBBER BASE. PROVIDE NEW RUBBER FLOORING & 6" RUBBER BASE IN STAIRWELLS AND VESTIBULES. REPAIR ANY DAMAGED WALL BEFORE APPLYING NEW BASE.
	PATCH GYPSUM WALLBOARD HOLES, SCRATCHES, AND CRACKS AS NECESSARY. MATCH EXISTING WALL TEXTURE. PAINT ACCORDING TO SPECIFICATIONS.
	REPAIR PEELING WALL FINISH IN STAIRWELLS. PRIME AND PAINT STAIRWELL WALLS AND HANDRAIL. STRIP, CLEAN STAIR NOSING AND CONCRETE. RESEAL/PAINT CONCRETE. REMOVE AND PROVIDE NEW RUBBER FLOORING AT LANDINGS WITH NEW RUBBER BASE.
	REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS (1/A112).
	PROVIDE 4' TALL HEAVY DUTY CORNER GUARDS.
	REMOVE EXISTING RUBBER BASE. REPAIR DAMAGED GYPSUM WALLBOARD BACKER AS REQUIRED. REPLACE WITH MATCHING CERAMIC TILE BASE AND GROUT.

GENERAL NOTES:
 1. SEE GENERAL NOTES SHEET A100.

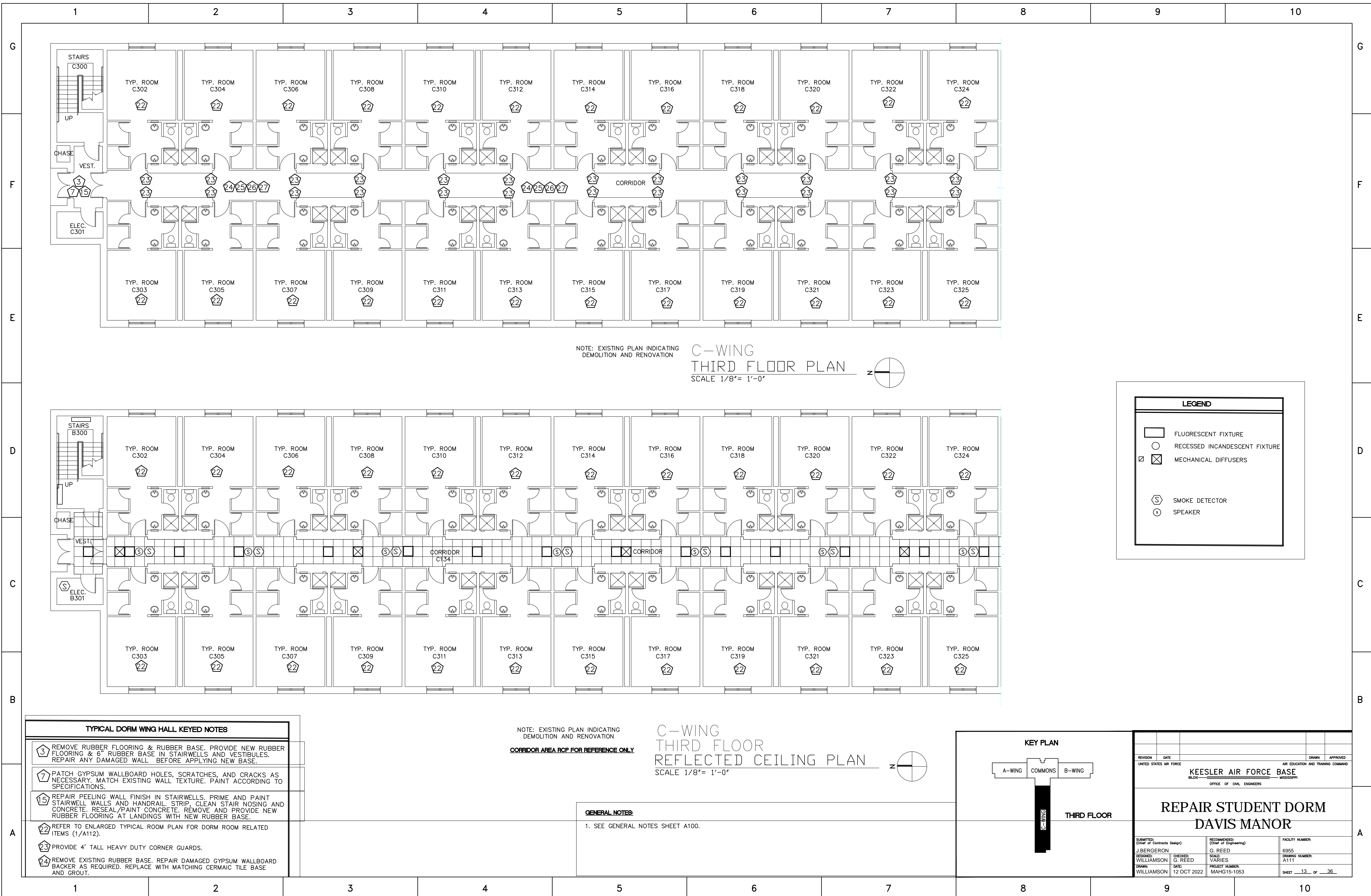


REVISION	DATE	DRAWN	APPROVED

UNITED STATES AIR FORCE
KEESLER AIR FORCE BASE
 BLDG. _____ MISSISSIPPI
 OFFICE OF CIVIL ENGINEERS

**REPAIR STUDENT DORM
 DAVIS MANOR**

SUBMITTED: J. BERGERON (Chief of Contracts Design)	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955
DESIGNED: WILLIAMSON	CHECKED: G. REED	DRAWING NUMBER: A110
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053
SCALE: VARIES		SHEET 12 OF 36



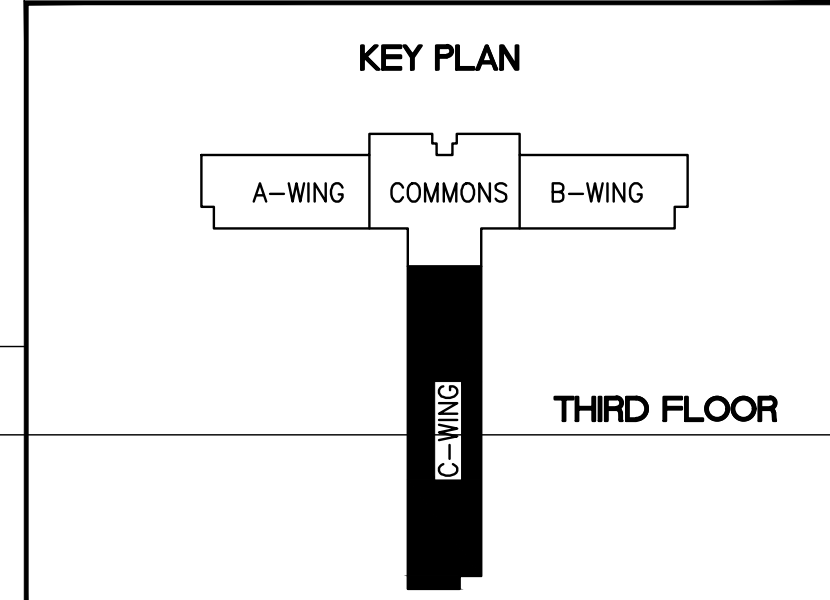
NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION
**C-WING
 THIRD FLOOR PLAN**
 SCALE 1/8" = 1'-0"

LEGEND	
	FLUORESCENT FIXTURE
	RECESSED INCANDESCENT FIXTURE
	MECHANICAL DIFFUSERS
	SMOKE DETECTOR
	SPEAKER

NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION
**C-WING
 THIRD FLOOR
 REFLECTED CEILING PLAN**
 SCALE 1/8" = 1'-0"

TYPICAL DORM WING HALL KEYED NOTES	
	REMOVE RUBBER FLOORING & RUBBER BASE. PROVIDE NEW RUBBER FLOORING & 6" RUBBER BASE IN STAIRWELLS AND VESTIBULES. REPAIR ANY DAMAGED WALL BEFORE APPLYING NEW BASE.
	PATCH GYPSUM WALLBOARD HOLES, SCRATCHES, AND CRACKS AS NECESSARY. MATCH EXISTING WALL TEXTURE. PAINT ACCORDING TO SPECIFICATIONS.
	REPAIR PEELING WALL FINISH IN STAIRWELLS. PRIME AND PAINT STAIRWELL WALLS AND HANDRAIL. STRIP, CLEAN STAIR NOSING AND CONCRETE. RESEAL/PAINT CONCRETE. REMOVE AND PROVIDE NEW RUBBER FLOORING AT LANDINGS WITH NEW RUBBER BASE.
	REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS (1/A112).
	PROVIDE 4' TALL HEAVY DUTY CORNER GUARDS.
	REMOVE EXISTING RUBBER BASE. REPAIR DAMAGED GYPSUM WALLBOARD BACKER AS REQUIRED. REPLACE WITH MATCHING CERAMIC TILE BASE AND GROUT.

GENERAL NOTES:
 1. SEE GENERAL NOTES SHEET A100.



REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE BLOOMINGVILLE, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
SUBMITTED: J. BERGERON (Chief of Contracts Design)	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955	
DESIGNED: WILLIAMSON	CHECKED: G. REED	SCALE: VARIES	DRAWING NUMBER: A111
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053	SHEET: 13 OF 36

GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BID AND START OF CONSTRUCTION. NOTIFY CONTRACTING OFFICER OF ANY CONDITIONS DETRIMENTAL TO THE COMPLETION OF THE WORK AS DESIGNED.
2. PROTECT ALL FIRE ALARM COMPONENTS, CEILING GRID, FIRE EXTINGUISHER CABINETS, SPRINKLER HEADS, HVAC GRILLS, AND OTHER EQUIPMENT OR FINISHES FROM DUST, PAINT, AND CONSTRUCTION DEBRIS DURING CONSTRUCTION. CONTRACTOR WILL REPLACE OR CLEAN IN PLACE ANY DAMAGED OR CONTAMINATED ITEMS.
3. CONFINE ALL WORK TO SPECIFIC AREAS AS DESIGNATED IN THE SCOPE OF WORK AND SCHEDULE. WORK SHALL BE COMPLETED IN ONE SECTION BEFORE MOVING ON TO THE NEXT SECTION.
4. CONTRACTING OFFICER TO SELECT PAINT COLOR AND SHEEN FROM MANUFACTURER'S STANDARD COLORS FOR ALL SURFACES TO BE PAINTED. WALLS, CEILINGS, HANDRAILS, DOOR FRAMES TO BE PAINTED IN ROOMS BEING WORKED IN. DOORS TO BE PAINTED AS CALLED FOR.
5. REPLACE CEILING TILES SUPPORTING EXIT SIGNAGE WITH 3/4" WHITE MELAMINE FACED PANELING. FASTEN "EXIT" SIGNAGE TO MELAMINE PANEL.
6. REMOVE AND DISPOSE OF ALL NAILS, BRACKETS, AND OTHER UNUSED ITEMS FROM WALL BEFORE PATCHING AND PAINTING.
7. REPLACE ANY MISSING OR DAMAGED ELECTRICAL FACE PLATES IN DORM ROOMS- MATCH EXISTING. REPLACE COMMON AREA FACEPLATES AS NOTED.
8. REMOVE SEALANT FROM ALL WINDOWS AND PREPARE FOR NEW SEALANT. APPLY NEW SEALANT IN A PROFESSIONAL WORKMAN LIKE MANNER.

TYPICAL DORM ROOM KEYED NOTES

- 28 TEST AND SECURE ALL TOILET ACCESSORIES IN BATHROOM AREAS (100% TOWEL BARS TO BE REATTACHED FOR BID PURPOSES). NOTIFY CONTRACTING OFFICER IN WRITING OF ANY BROKEN ACCESSORIES.
- 29 REPLACE CARPET AND 4" RUBBER BASE THROUGHOUT WITH NEW CARPET TILE, 4" RUBBER BASE, RUBBER TRANSITION TO TILE FLOORING. INCLUDE 4" RUBBER BASE IN BATH/VESTIBULE AREA AND RUBBER TRANSITION BETWEEN CLOSET CARPET AND VESTIBULE TILE.
- 30 REMOVE AND DISPOSE OF ALL NAILS, BRACKETS, AND OTHER UNUSED ITEMS FROM WALLS AND CEILINGS AND PATCH ANY HOLES OR DAMAGED GYPSUM WALL BOARD TO MATCH EXISTING FINISH. REPLACE ALL DAMAGED WALL PLATES, CEILING TRIMS, HVAC REGISTERS, AND LIGHTING TO REMAIN. REPAINT ALL WALLS, CEILINGS, AND DOOR FRAMES IN DORM ROOM AND BATH. SEE SPECIFICATIONS FOR PAINT TYPE.
- 31 READJUST/REPAIR VANITY HINGES TO MAKE OPERABLE WITHOUT BINDING OR SAGGING. (20% FOR BID PURPOSES)
- 32 REMOVE & REPLACE LAVATORY FAUCETS, DRAIN ASSEMBLIES, TRAPS, AND SUPPLY LINES TO STOP VALVES. REMOVE & REPLACE CULTURED MARBLE VANITY TOPS. CAULK AS NECESSARY TO ACHIEVE A WATER-TIGHT SEAL. REPLACE POP-UP DRAIN TO STRAINER TYPE.
- 33 STRIP AND CLEAN TILE FLOOR, WALLS, & GROUT.
- 34 SEAL TILE FLOOR, WALLS AND GROUT (TO INCLUDE ALL NEW TILE AND GROUT).
- 35 REMOVE EXISTING SHOWER TILE SURROUND, TILE SHOWER PAN (TO INCLUDE CURB) & WALL BOARD DOWN TO METAL STUDS. PROVIDE NEW METAL STUDS AS NECESSARY. CONCRETE BACKER BOARD, MIXING VALVE AND ALL PIPING, SHOWER HEAD ASSY. AND CUSTOM CULTURED MARBLE SHOWER ASSY. WITH INTEGRAL 8" HIGH FIBERGLASS PAN. MONOLITHIC SIDES WITH MAX 3 SEAMS OVERALL, AND SHOWER DRAIN ASSY. (MATCH EXIST. SHWR DRAIN PIPE SIZE).SEE DTLS. 3/4 A400.
- 36 REMOVE & REPLACE 36 INCH "GLASS" SHOWER DOOR.
- 37 REMOVE CERAMIC SOAP AND TOOTHBRUSH HOLDERS. REPAIR WALL AS NECESSARY TO ACHIEVE A LEVEL 4 FINISH.
- 38 REMOVE & REPLACE ALL LIGHT FIXTURES IN VESTIBULE, CLOSETS, SHOWER AREA & BATH/VANITY AREA.
- 39 REFINISH DOORS TO MATCH EXISTING COLOR AND FINISH.
- 40 CLEAN ALL TOILETS.
- 41 REMOVE AND REPLACE ACCESS HATCH. SEE DETAIL 5/A112. NOTE: FOLLOWING THE INSTALLATION OF THE NEW VAV BOXES, THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE CEILING ACCESS PANELS WITH THE VAV BOXES TO PROVIDE EASY AND CLEAR ACCESS TO THE VAV BOX AND THE CONTROLS, WITH APPROVAL FROM THE CONTRACTING OFFICER.

COORDINATE THE LOCATION OF THE CEILING ACCESS PANELS WITH THE EXISTING CEILING LIGHT FIXTURE. IN ORDER TO LOCATE THE ACCESS PANELS FOR VAV BOX ACCESS, SOME LIGHT FIXTURES WILL NEED TO BE RELOCATED WITH APPROVAL FROM THE CONTRACTING OFFICER (ASSUME 35%).
- 42 REMOVE AND REPLACE DAMAGED WINDOW SEALANT AROUND WINDOWS.

DOOR & FRAME SCHEDULE

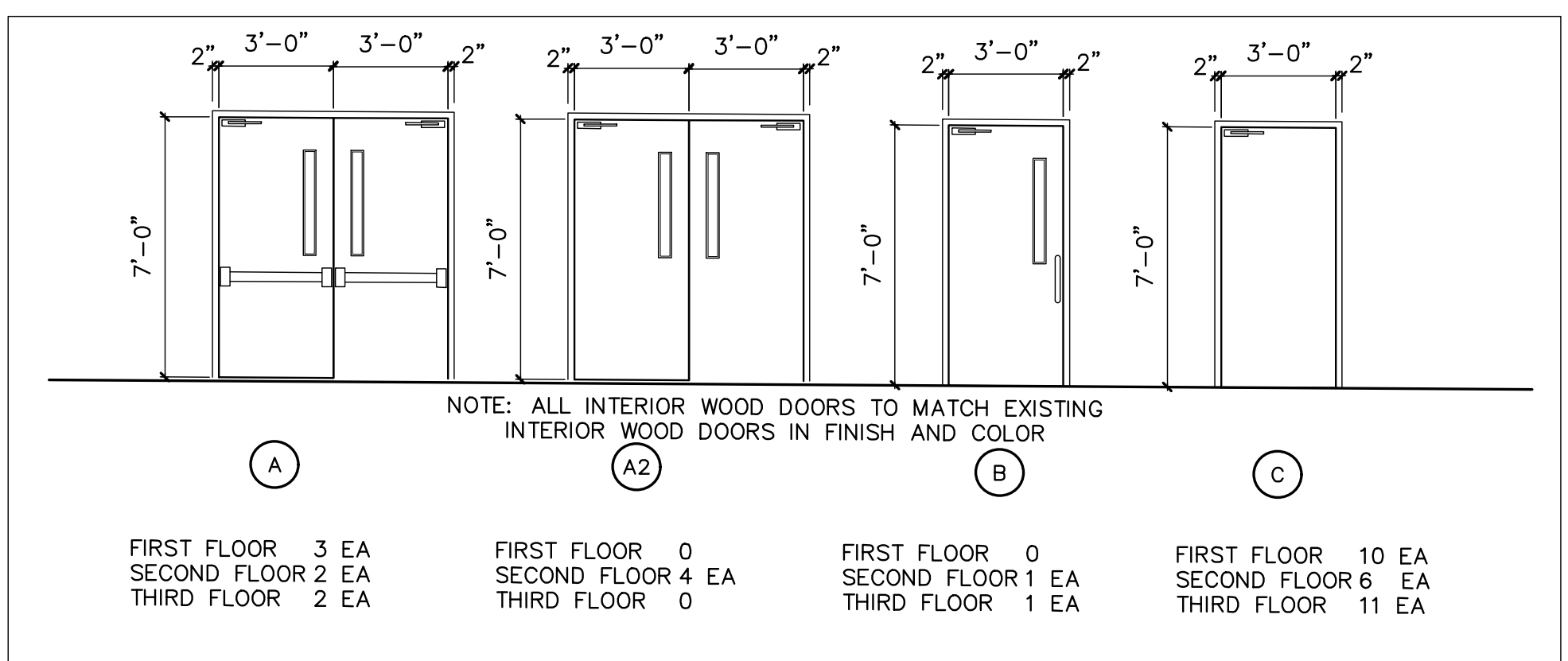
DOOR TYPE	DOORS						FRAMES						HARDWARE SET	FIRE RATING	NOTES
	SIZE			TYPE	MATERIAL	FINISH	DETAILS		FRAME DEPTH	HARDWARE SET	FIRE RATING				
	WIDTH	HEIGHT	THICK.				JAMB	HEAD							
A	6'-0"	7'-0"	1 3/4"	A	WD	STAIN	A	HM	PAINT	-	-	-	-	-	EXISTING DOORS TO BE STAINED AND EXISTING FRAMES TO BE PAINTED ONLY.
A2	6'-0"	7'-0"	1 3/4"	A2	WD	STAIN	A2	HM	PAINT	-	-	-	-	-	EXISTING DOORS TO BE STAINED AND EXISTING FRAMES TO BE PAINTED ONLY.
B	3'-0"	7'-0"	1 3/4"	B	WD	STAIN	B	HM	PAINT	-	-	-	-	-	EXISTING DOORS TO BE STAINED AND EXISTING FRAMES TO BE PAINTED ONLY.
C	3'-0"	7'-0"	1 3/4"	C	WD	STAIN	C	HM	PAINT	-	-	-	-	-	EXISTING DOORS TO BE STAINED AND EXISTING FRAMES TO BE PAINTED ONLY.

QTY	NOMINAL SIZE		A		B		C		D		E		F		LATCH QTY
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	
	6 X 6	152 X 152	6.00	152	6.00	152	8.57	218	8.57	218	6.12	155	6.12	155	1
	8 X 8	202 X 202	8.00	203	8.00	203	10.57	268	10.57	268	8.12	206	8.12	206	1
	10 X 10	254 X 254	10.00	254	10.00	254	12.57	319	12.57	319	10.12	257	10.12	257	1
	12 X 12	305 X 305	12.00	305	12.00	305	14.57	370	14.57	370	12.12	308	12.12	308	1
	14 X 14	355 X 355	14.00	356	14.00	356	16.57	421	16.57	421	14.12	359	14.12	359	1
	16 X 16	406 X 406	16.00	406	16.00	406	18.57	472	18.57	472	16.12	409	16.12	409	1
	18 X 18	457 X 457	18.00	457	18.00	457	20.57	522	20.57	522	18.12	460	18.12	460	1
	22 X 22	560 X 560	22.00	559	22.00	559	24.57	624	24.57	624	22.12	562	22.12	562	1
	24 X 24	610 X 610	24.00	610	24.00	610	26.57	675	26.57	675	24.12	613	24.12	613	1
	24 X 36	610 X 914	36.00	914	24.00	610	26.57	675	38.57	980	24.12	613	36.12	917	2
	30 X 30	762 X 762	30.00	762	30.00	762	32.57	827	32.57	827	30.12	765	30.12	765	2
	36 X 36	914 X 914	36.00	914	36.00	914	38.57	980	38.57	980	36.12	917	36.12	917	2

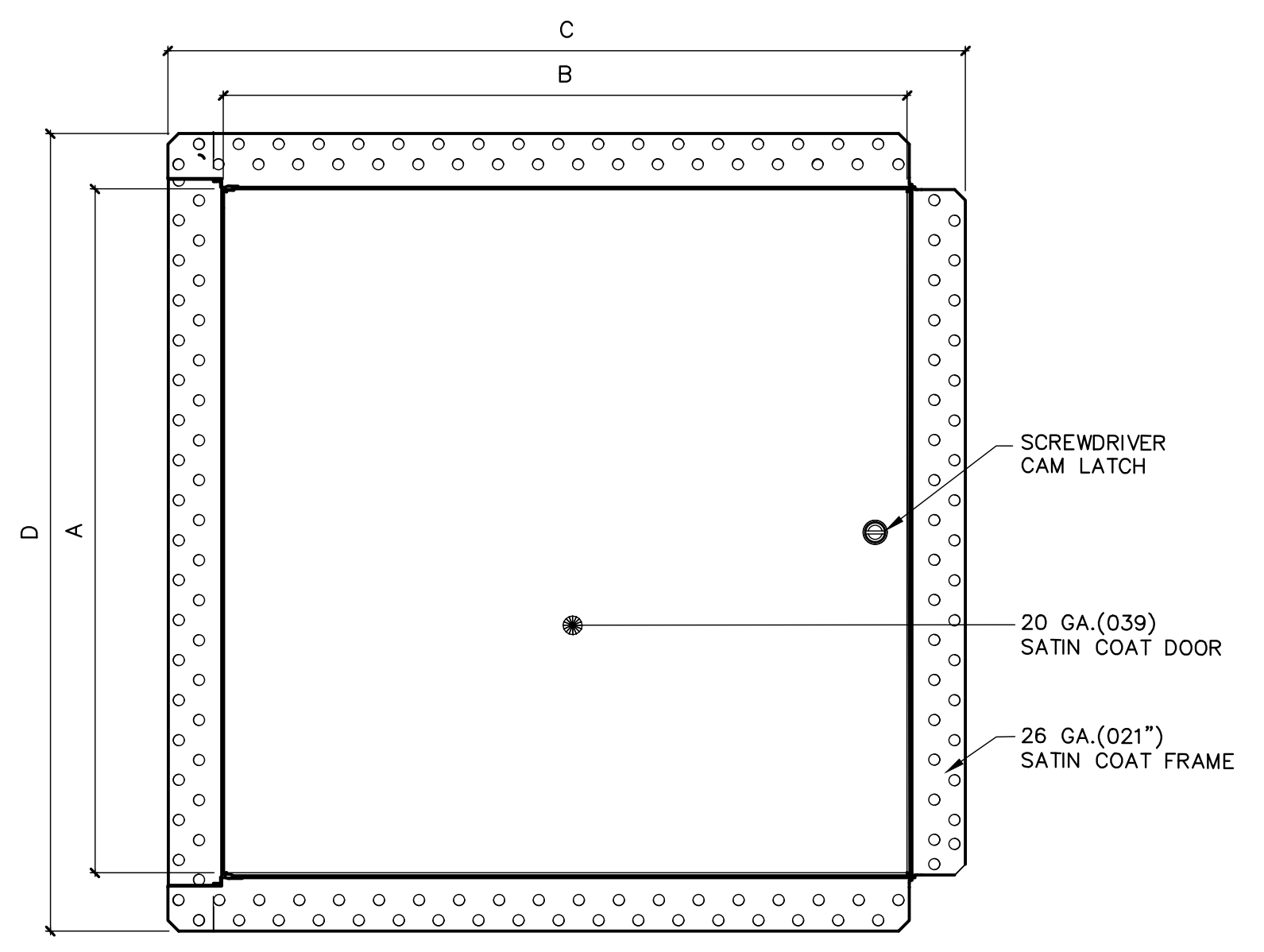
GC. TO USE THIS TABLE TO ACCOMMODATE A 36"X36" CLEAR HATCH OPENING

4 DOOR & FRAME SCHEDULE
A112 scale: N.T.S.

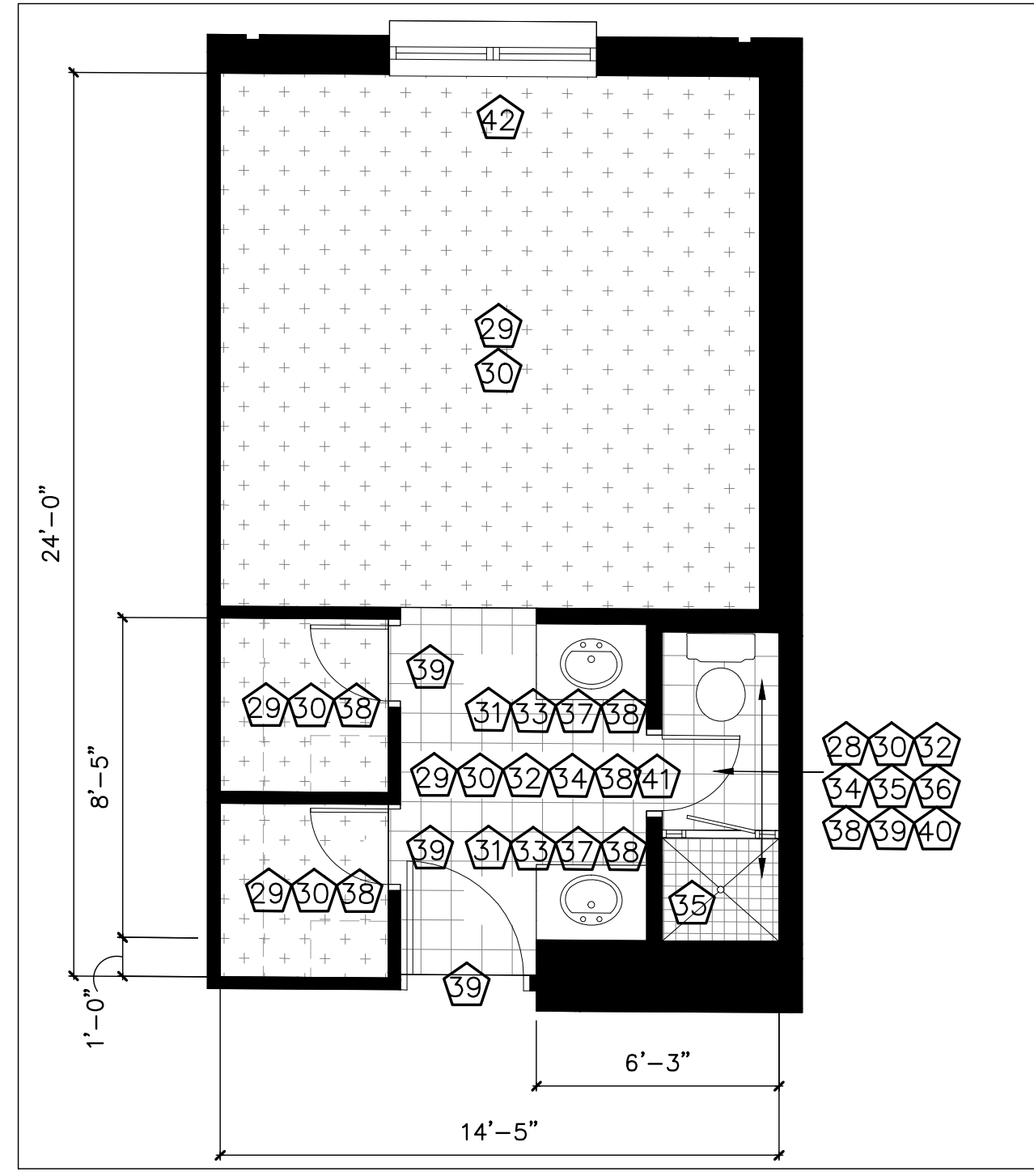
7 ACCESS HATCH DIMENTION TABLE
A112 scale: N.T.S.



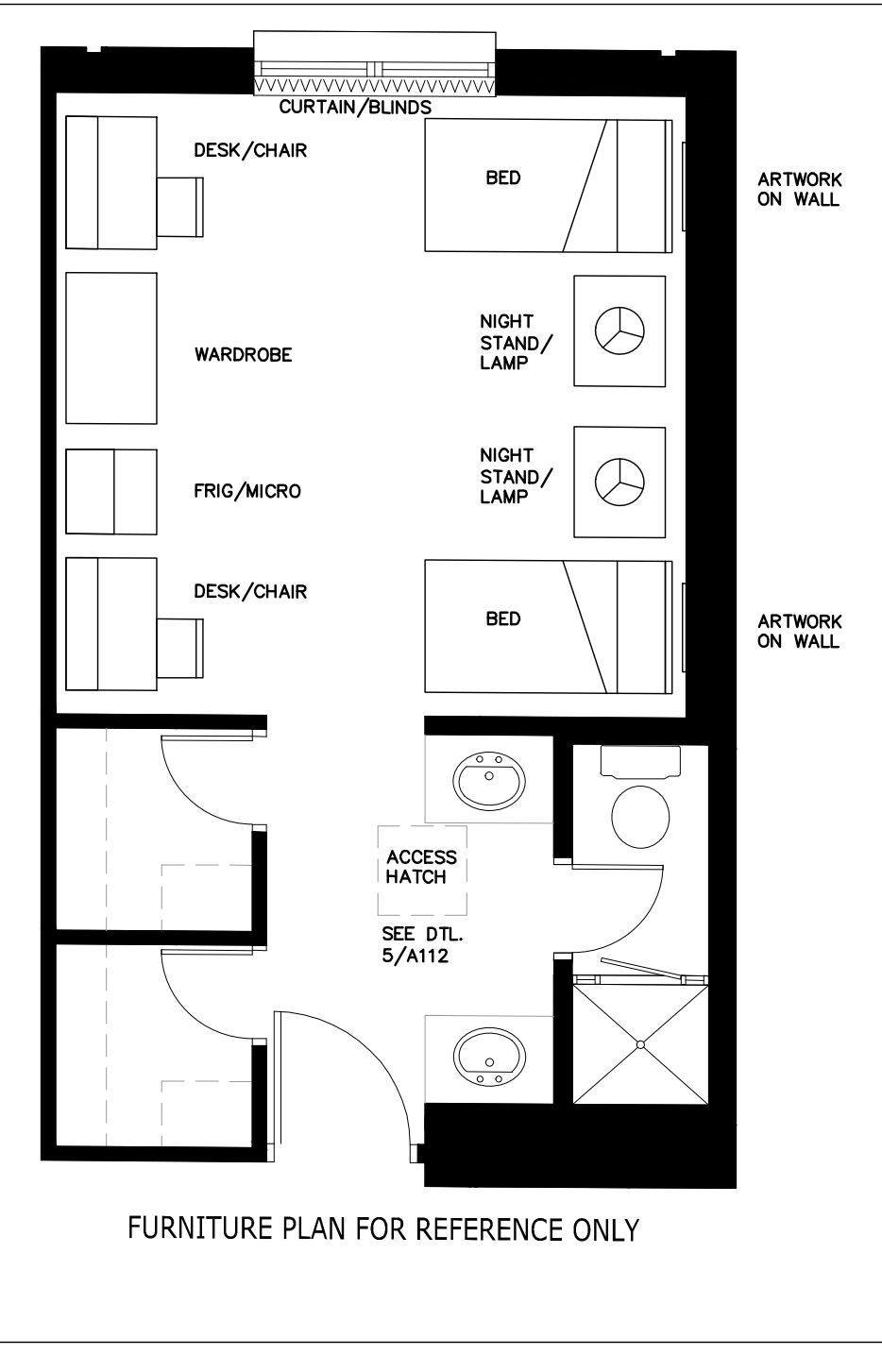
3 DOOR ELEVATIONS
A112 scale: 1/4"=1'-0"



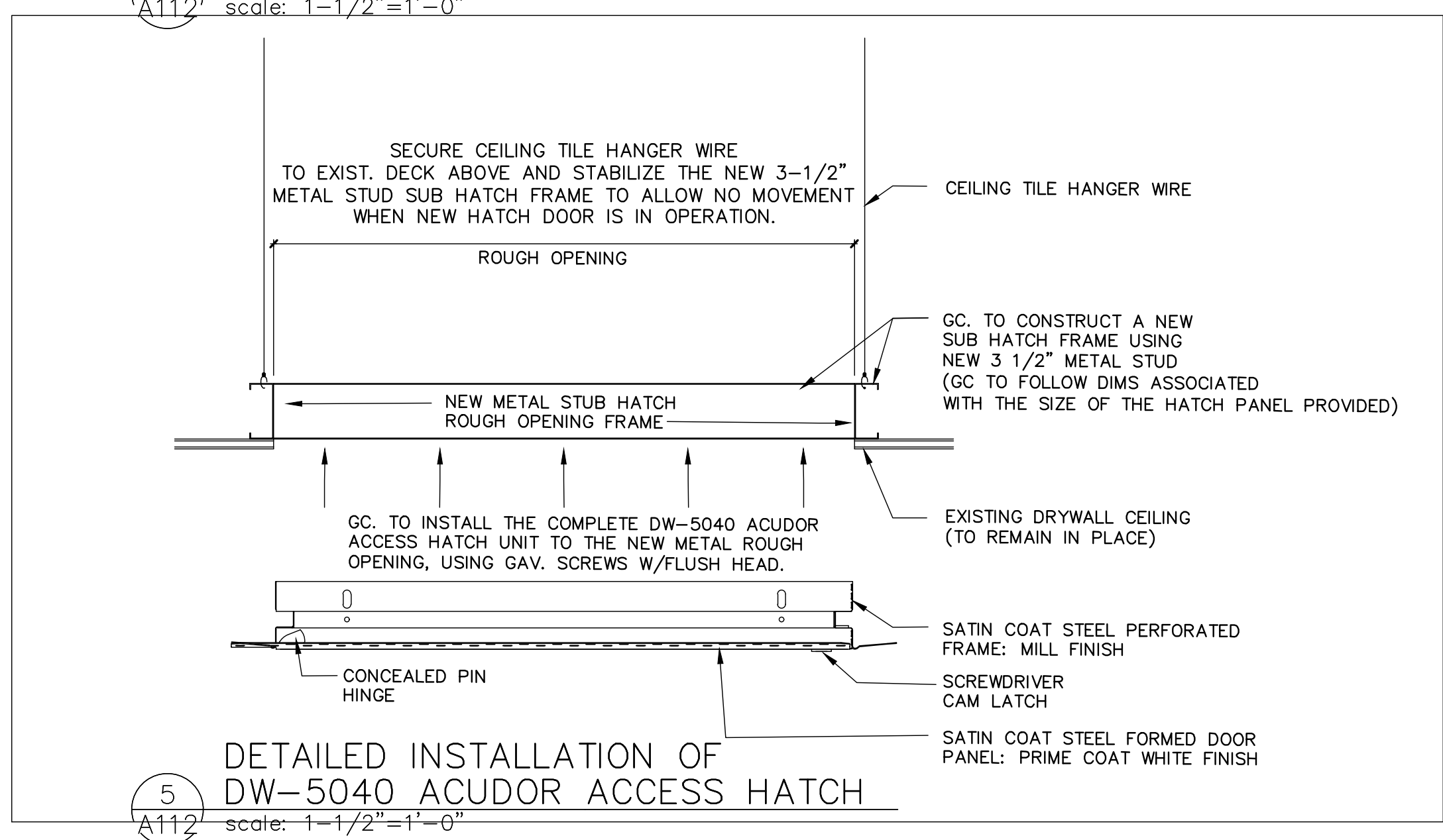
6 SATIN COAT FRAME PLAN VIEW
A112 scale: 1-1/2"=1'-0"



1 TYPICAL DORM ROOM FLOOR PLAN
A112 scale: 1/4"=1'-0"

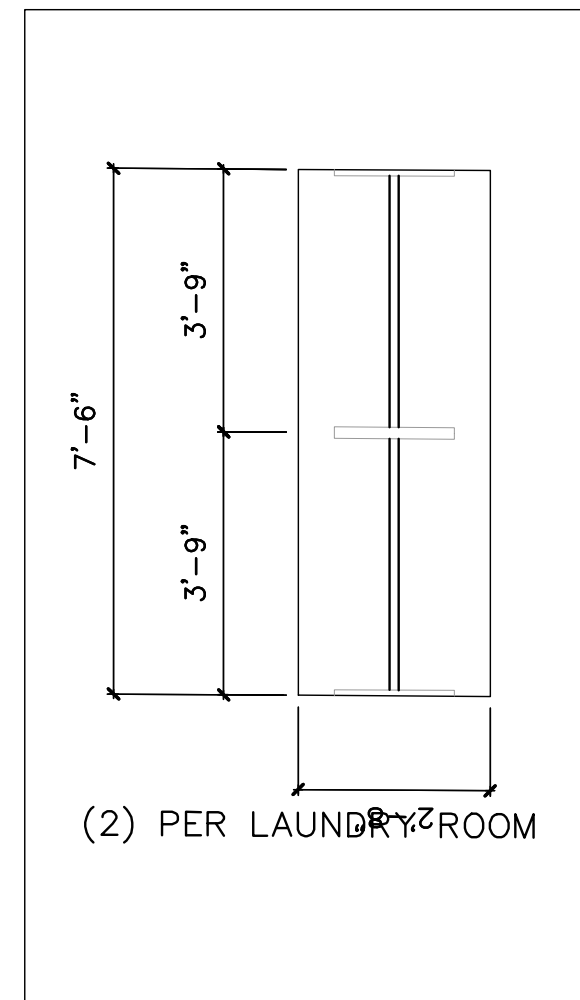


2 TYPICAL FURNITURE DORM ROOM FLOOR PLAN
A112 scale: 1/4"=1'-0"

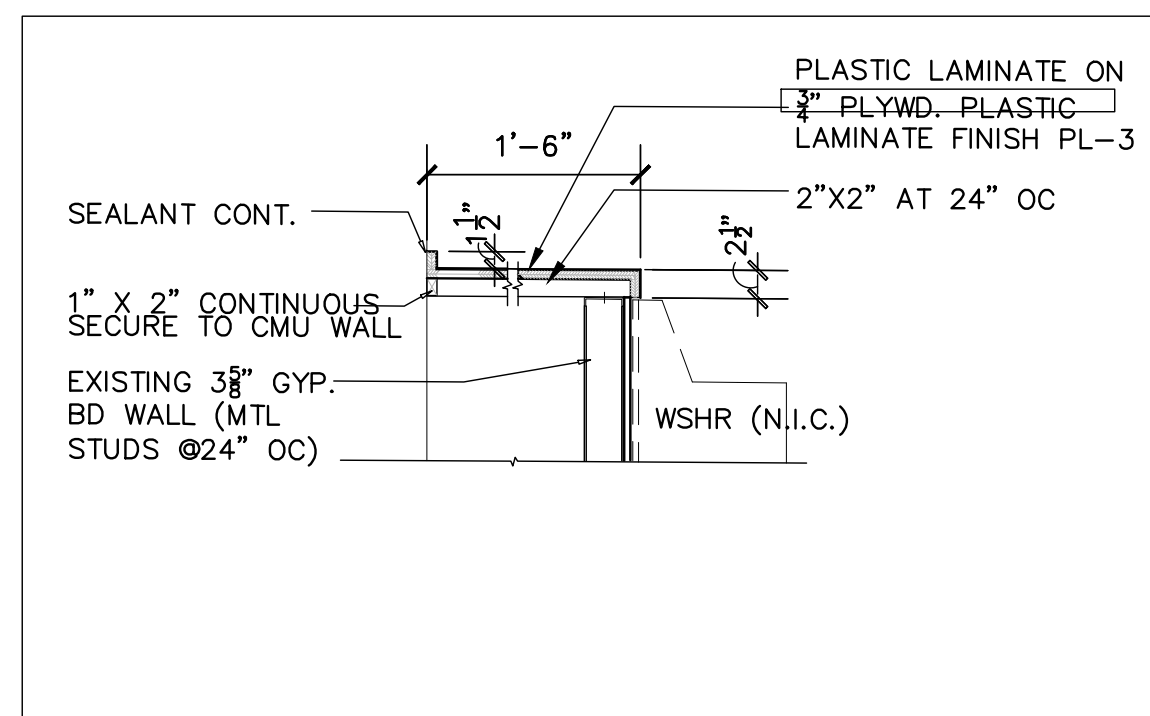


5 DETAILED INSTALLATION OF DW-5040 ACUDOR ACCESS HATCH
A112 scale: 1-1/2"=1'-0"

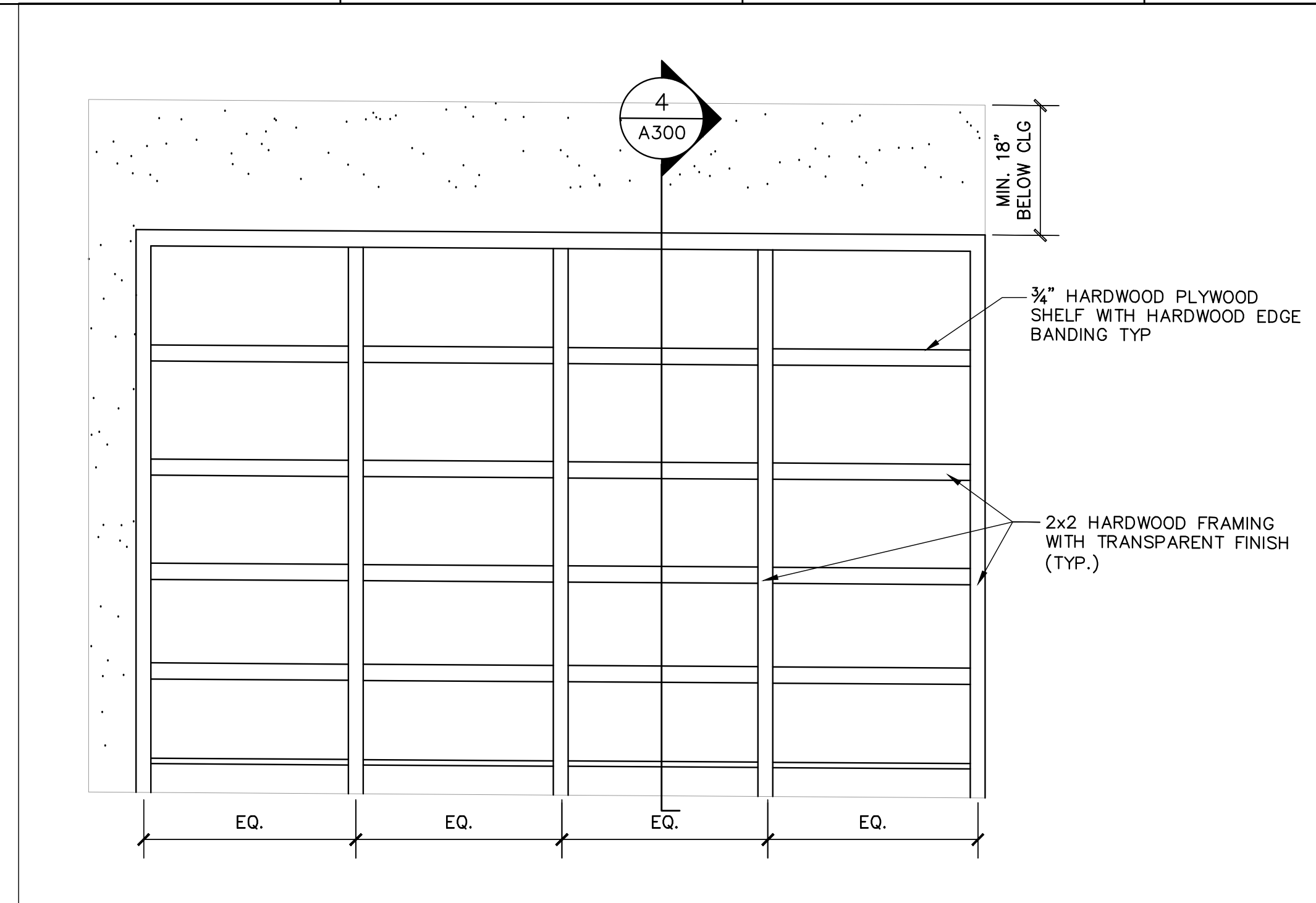
REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE BLOOMINGVILLE, MISSISSIPPI OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
SUBMITTED: J. BERGERON WILLIAMSON	CHECKED: G. REED WILLIAMSON	RECOMMENDED: G. REED VARIES	FACILITY NUMBER: 6955 DRAWING NUMBER: A112 PROJECT NUMBER: MAHG15-1053 SHEET 14 OF 36
DATE: 12 OCT 2022			



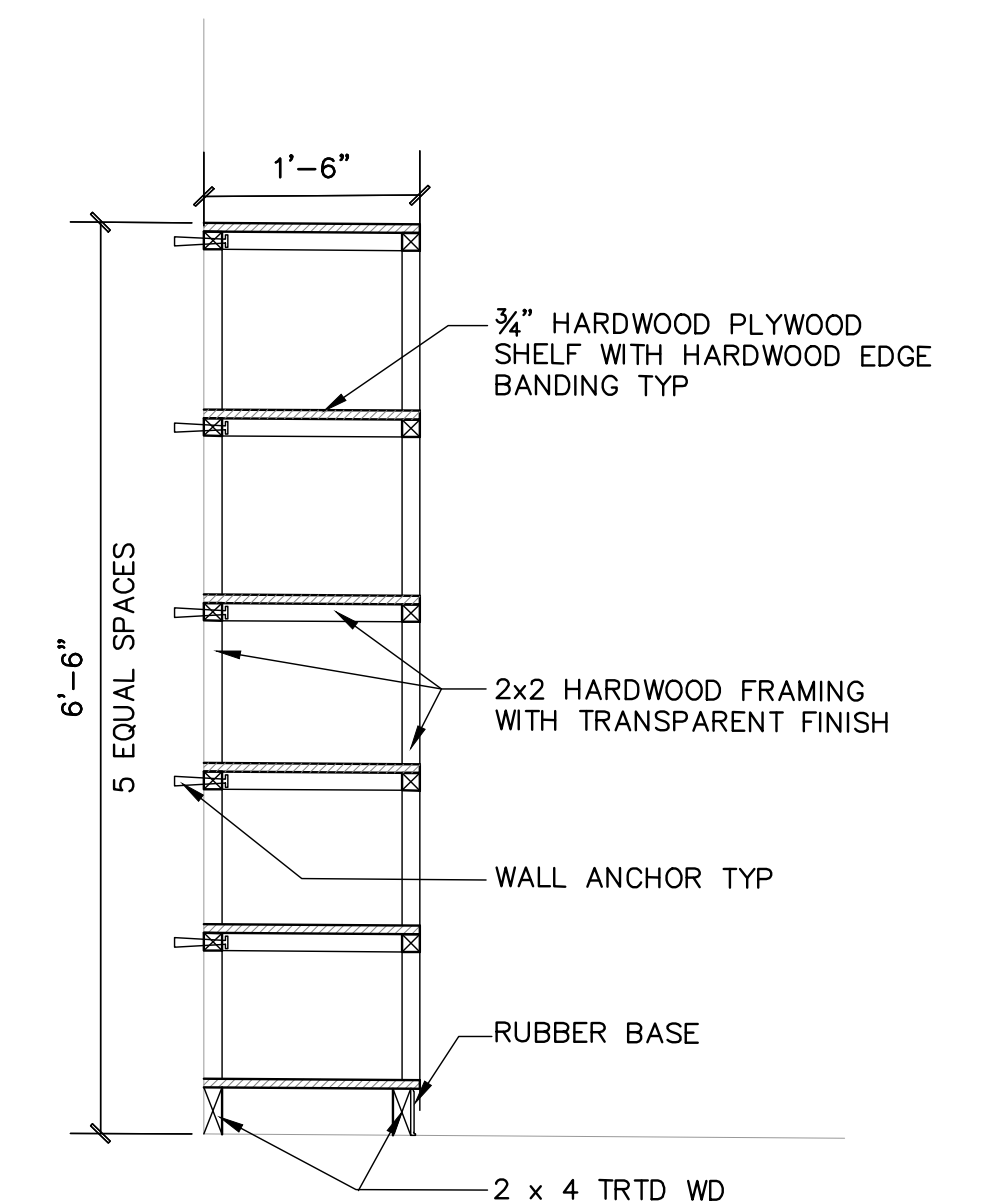
1
A300
FOLDING TABLE
PLAN
scale: 3/8"=1'-0"



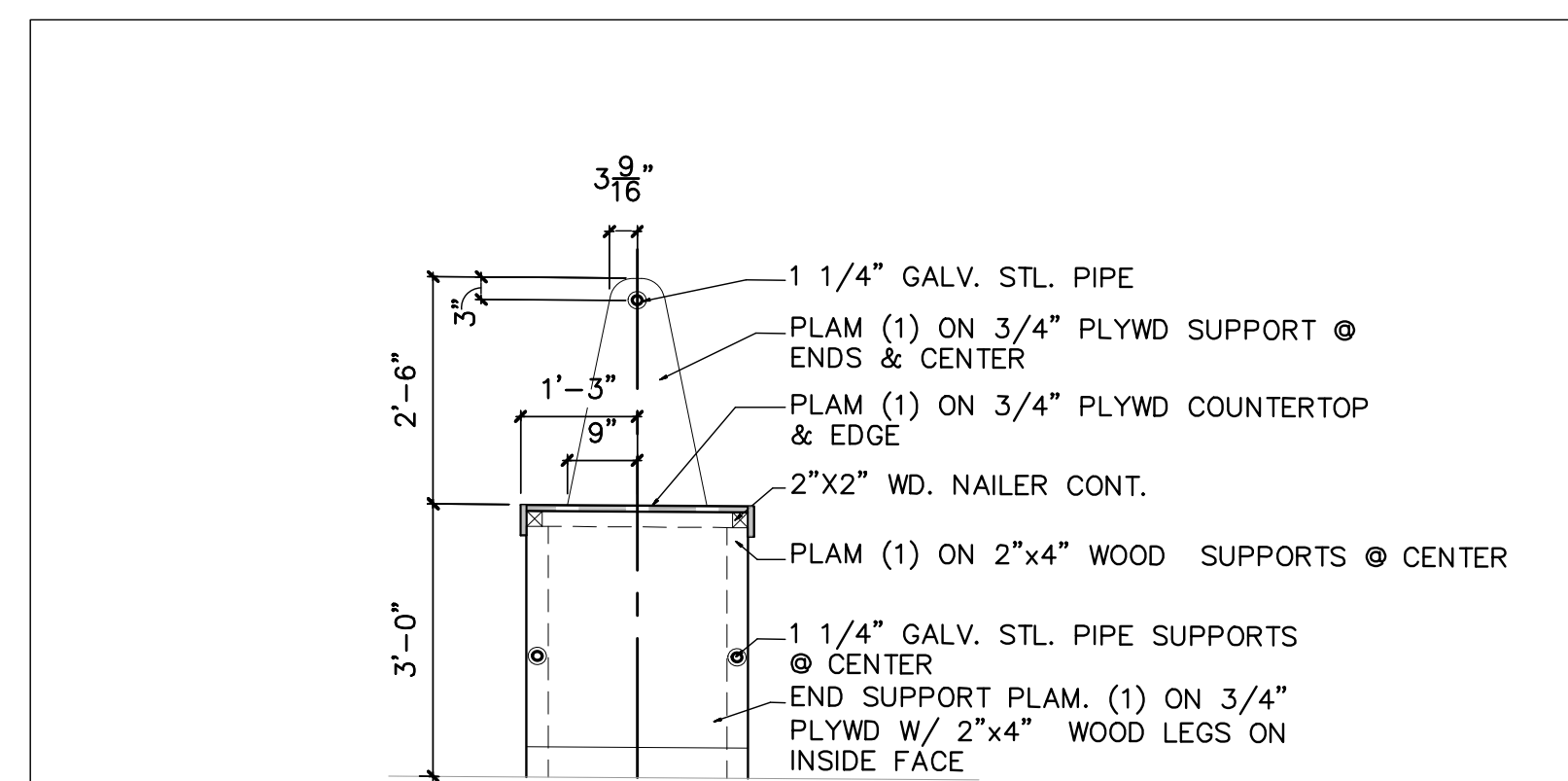
2
A300
LAUNDRY
COUNTER SECTION
scale: 3/4"=1'-0"



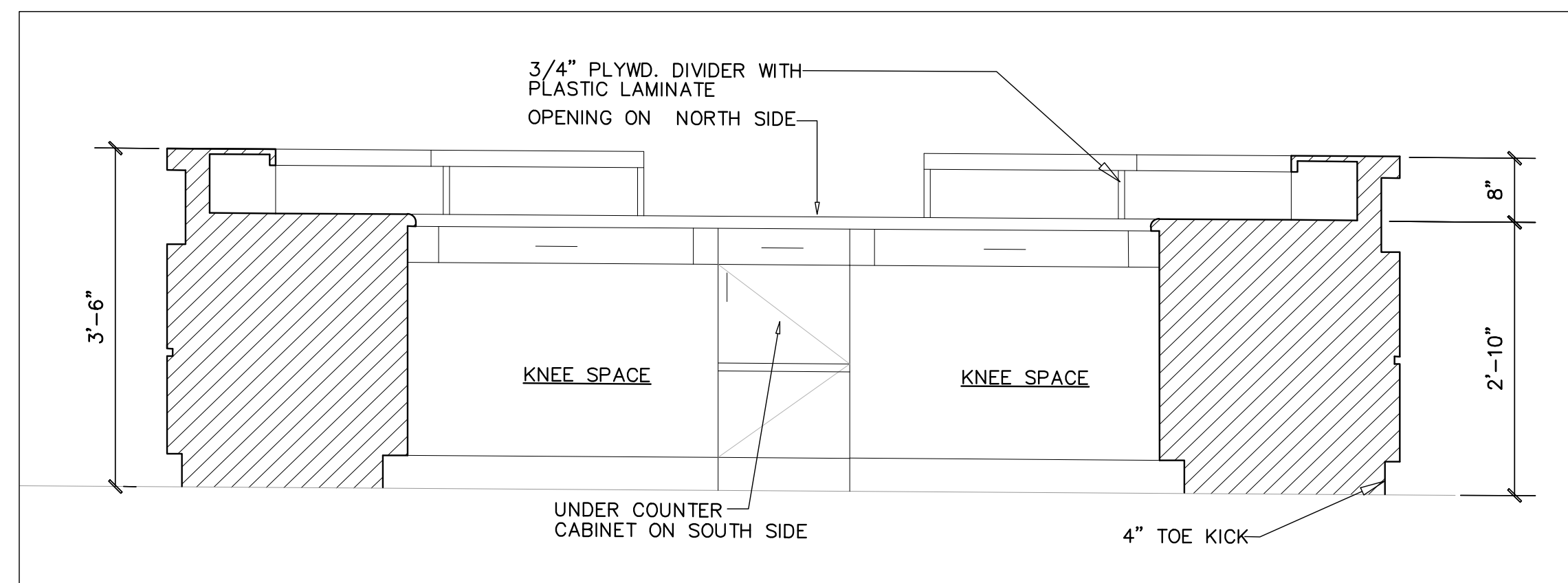
3
A300
TYPICAL HOUSEKEEPING ROOM
ELEVATION
scale: 3/4"=1'-0"



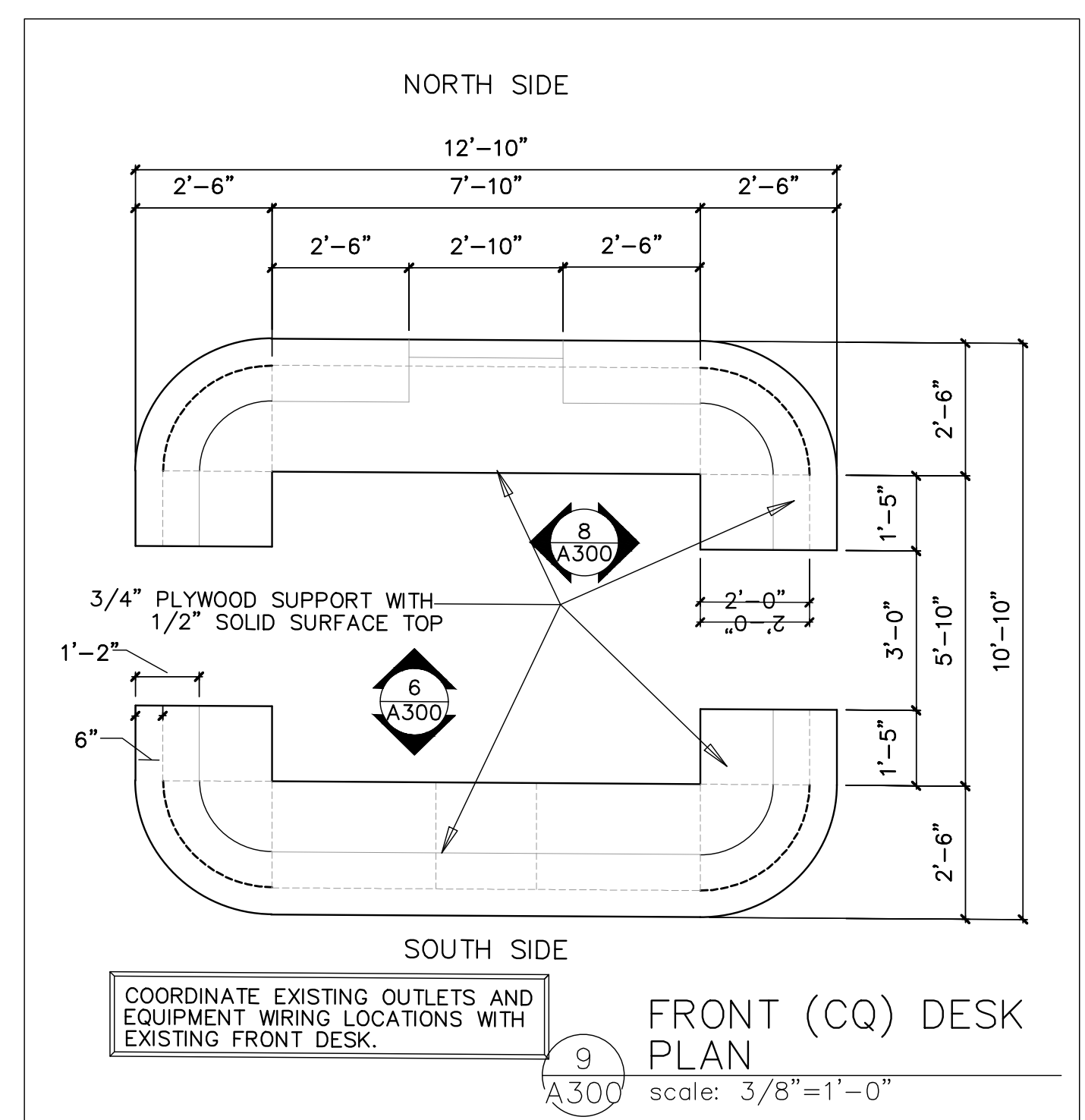
4
A300
HOUSEKEEPING
SHELVING DETAIL
scale: 3/4"=1'-0"



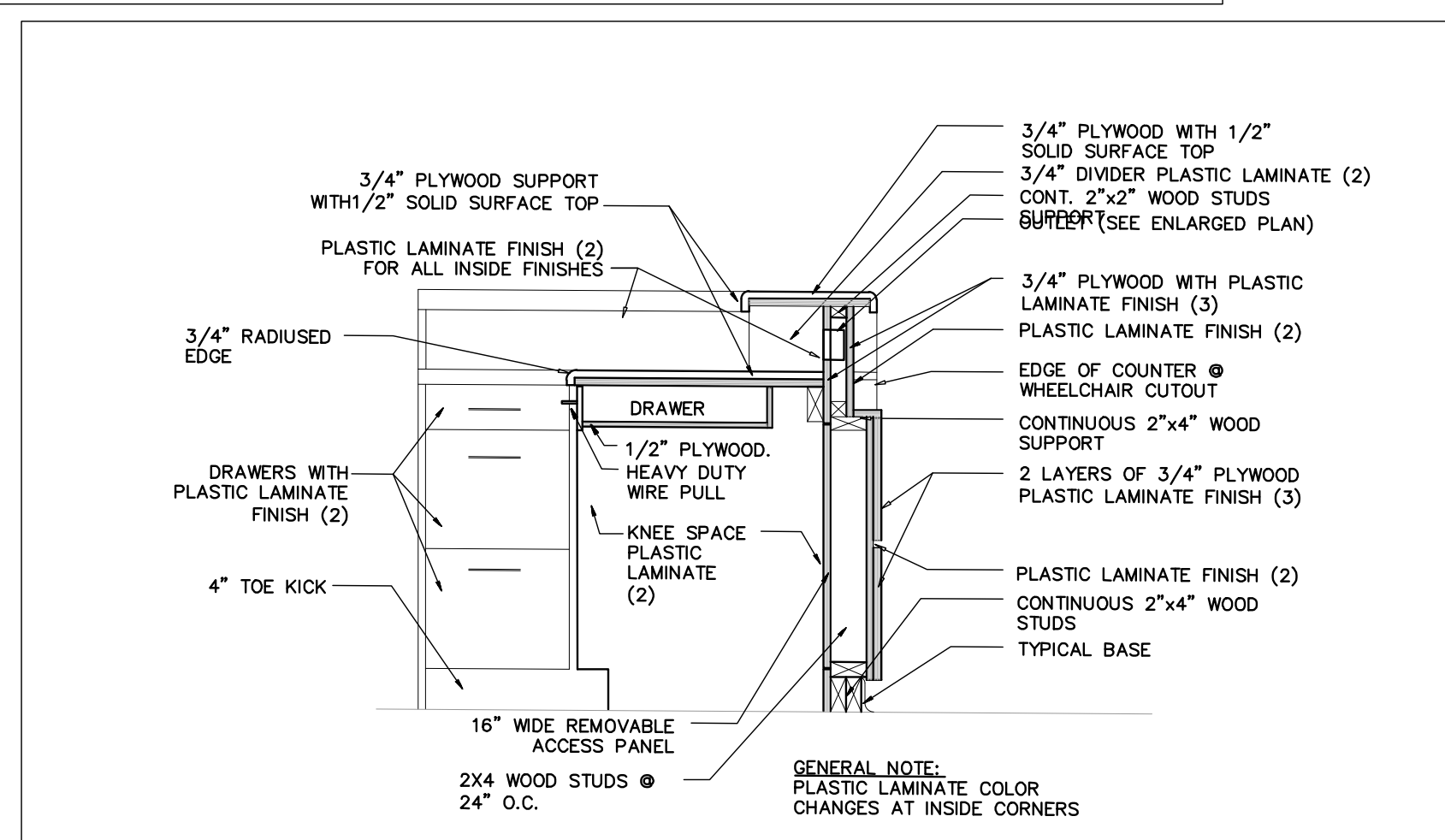
5
A300
FOLDING TABLE
SECTION
scale: 1/2"=1'-0"



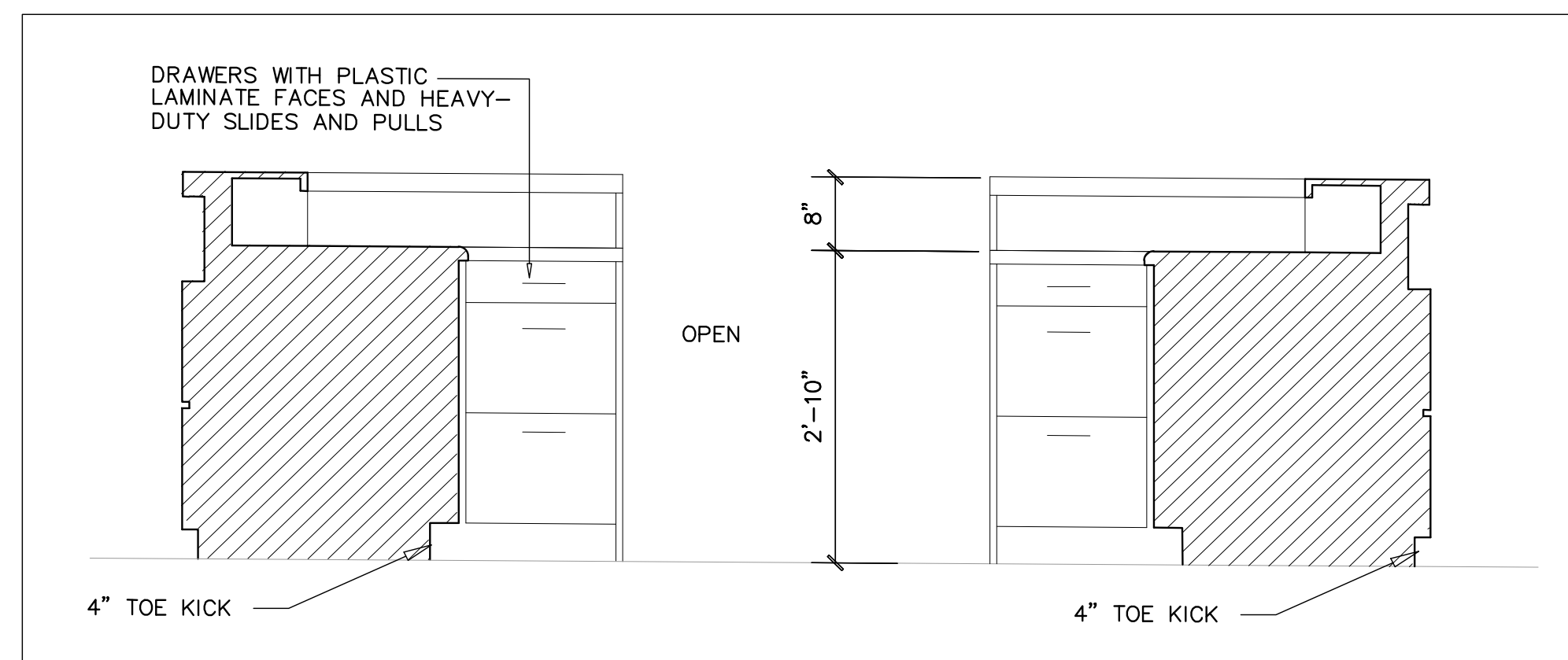
6
A300
NORTH/SOUTH DESK INTERIOR
ELEVATION
scale: 3/4"=1'-0"



9
A300
FRONT (CQ) DESK
PLAN
scale: 3/8"=1'-0"



7
A300
EAST/WEST DESK INTERIOR
SECTION
scale: 3/4"=1'-0"



8
A300
EAST/WEST DESK INTERIOR
ELEVATION
scale: 3/4"=1'-0"

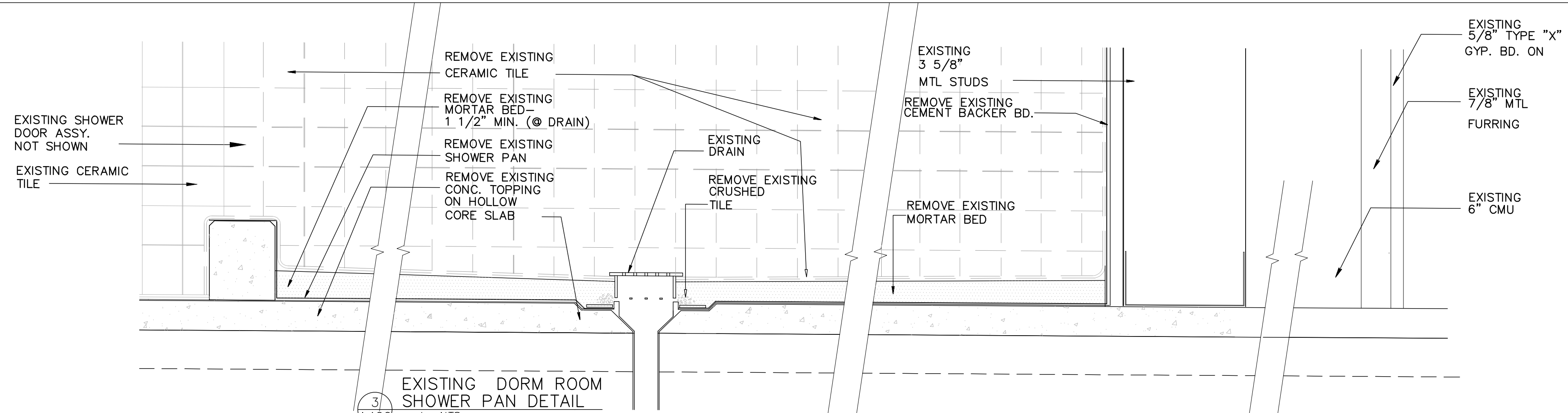
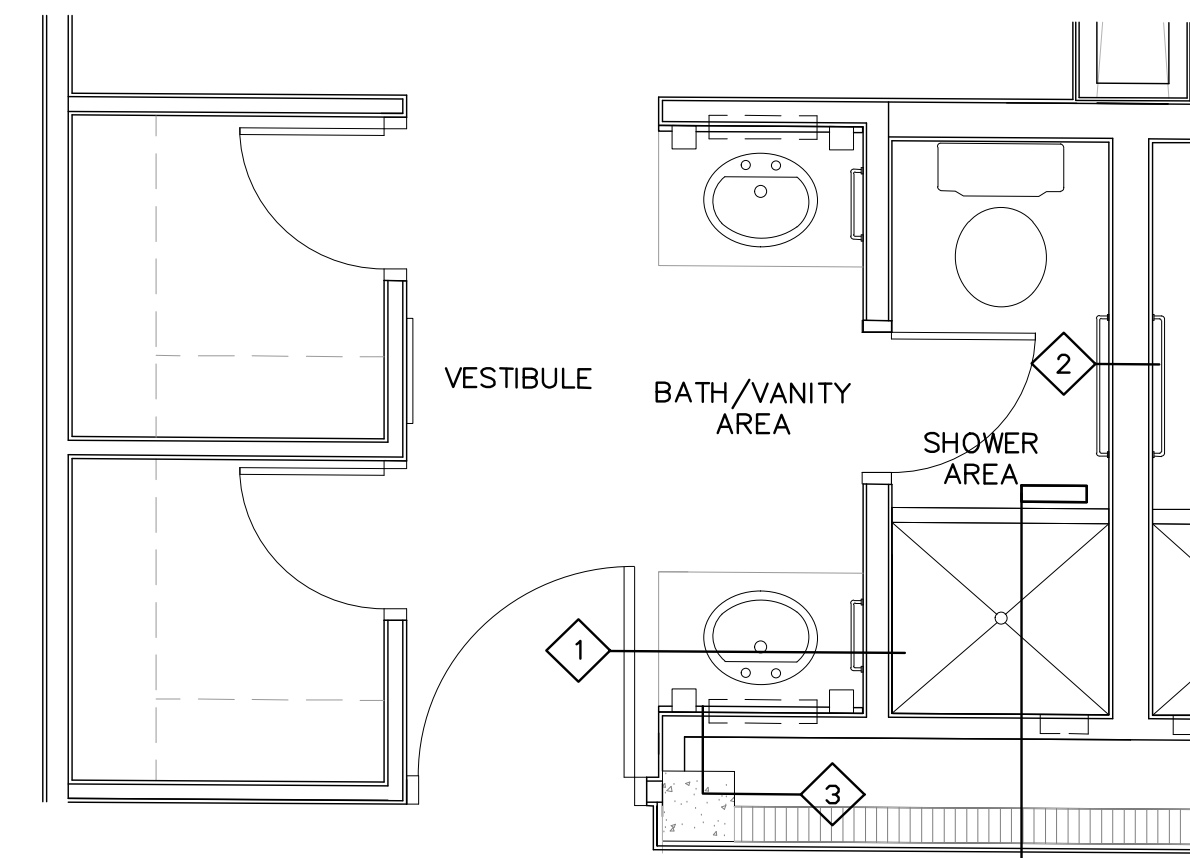
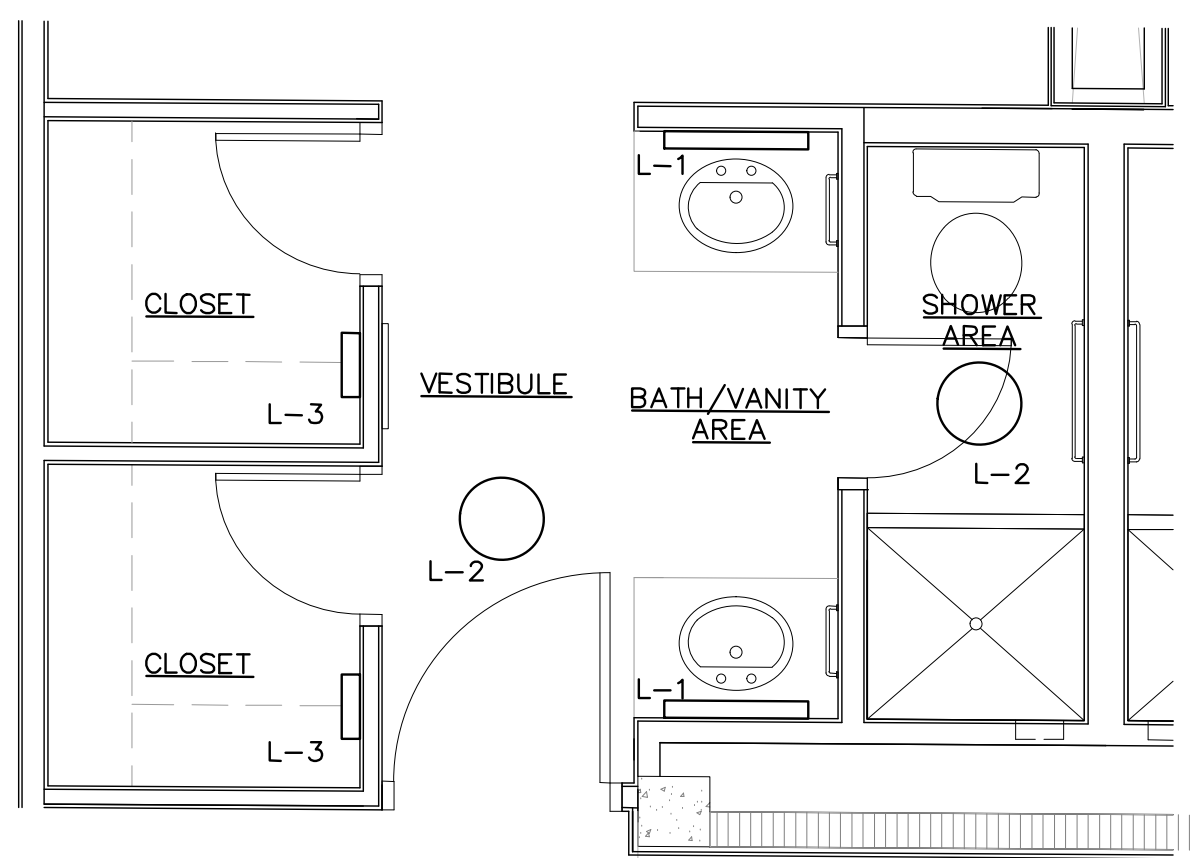
REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE KEESLER AIR FORCE BASE MISSISSIPPI OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
SUBMITTED: J.BERGERON DESIGNED: WILLIAMSON DRAWN: WILLIAMSON	CHECKED: G. REED DATE: 12 OCT 2022	RECOMMENDED: G. REED SCALE: VARIES PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955 DRAWING NUMBER: A300 SHEET 15 OF 36

TYP. DORM ROOM LIGHT FIXTURE LEGEND	
L-1	AFX LIGHTING VSC217E8 OR EQUAL
L-2	PROGRESS LIGHTING P737B-30 OR EQUAL
L-3	PROGRESS LIGHTING P7376-30 OR EQUAL

EXISTING WALL TYPES	
1.	3 3/8" MTL. STUDS @ 24" O.C. WITH 5/8" GYP. BD. BOTH SIDES TO 6" ABOVE CEILING. UNRATED.
2.	6" MTL. STUDS @ 24" O.C. WITH 5/8" "TYPE X" GYP. BD. 1 HOUR RATED U.L. #465 SIM.
3.	3 3/8" MTL. STUDS @ 24" O.C. WITH 5/8" "TYPE X" GYP. BD. ONE GYP. BD. TO DECK ABOVE. UNRATED.

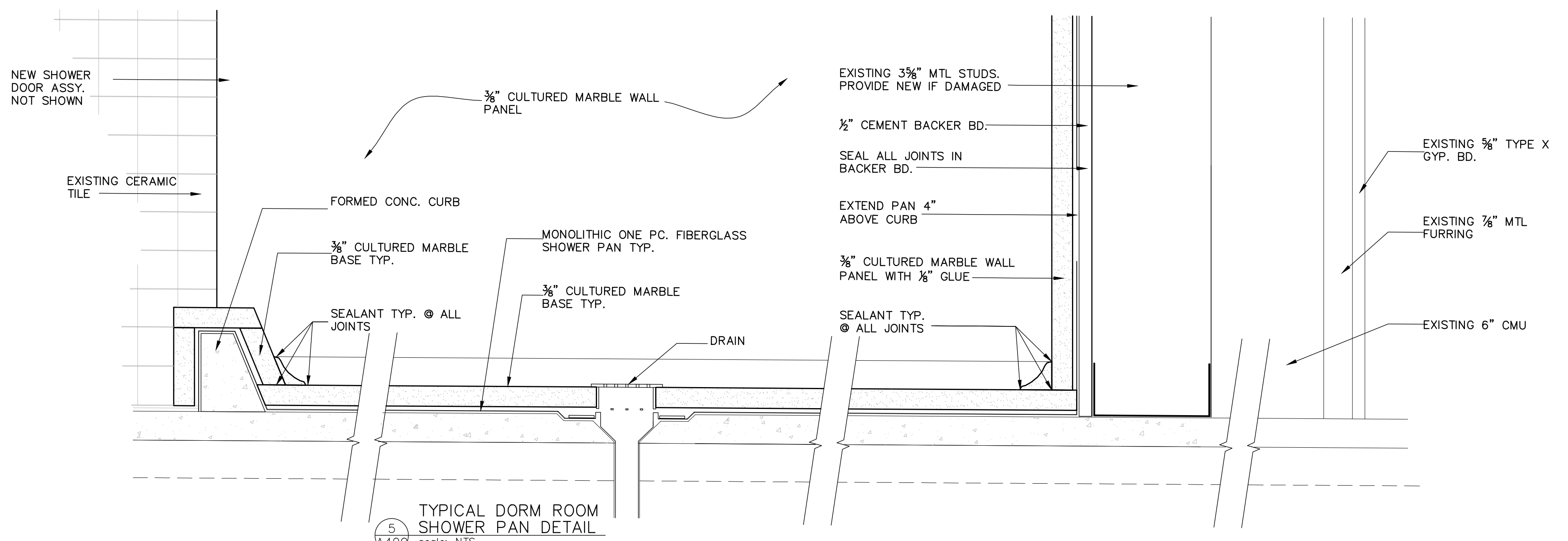
GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BID AND START OF CONSTRUCTION. NOTIFY CONTRACTING OFFICER OF ANY CONDITIONS DETRIMENTAL TO THE COMPLETION OF THE WORK AS DESIGNED.
2. PROTECT ALL FIRE ALARM COMPONENTS, CEILING GRID, FIRE EXTINGUISHER CABINETS, SPRINKLER HEADS, HVAC GRILLS, AND OTHER EQUIPMENT OR FINISHES FROM DUST, PAINT, AND CONSTRUCTION DEBRIS DURING CONSTRUCTION. CONTRACTOR WILL REPLACE OR CLEAN IN PLACE ANY DAMAGED OR CONTAMINATED ITEMS.
3. CONFINE ALL WORK TO SPECIFIC AREAS AS DESIGNATED IN THE SCOPE OF WORK AND SCHEDULE. WORK SHALL BE COMPLETED IN ONE SECTION BEFORE MOVING ON TO THE NEXT SECTION.
4. CONTRACTING OFFICER TO SELECT PAINT COLOR AND SHEEN FROM MANUFACTURER'S STANDARD COLORS FOR ALL SURFACES TO BE PAINTED. WALLS, CEILINGS, HANDRAILS, DOOR FRAMES TO BE PAINTED IN ROOMS BEING WORKED IN. DOORS TO BE PAINTED AS CALLED FOR.
5. REPLACE CEILING TILES SUPPORTING EXIT SIGNAGE WITH 3/4" WHITE MELAMINE FACED PANELING. FASTEN "EXIT" SIGNAGE TO MELAMINE PANEL.
6. REMOVE AND DISPOSE OF ALL NAILS, BRACKETS, AND OTHER UNUSED ITEMS FROM WALL BEFORE PATCHING AND PAINTING.
7. REPLACE ANY MISSING OR DAMAGED ELECTRICAL FACE PLATES IN DORM ROOMS- MATCH EXISTING. REPLACE COMMON AREA FACEPLATES AS NOTED.
8. REMOVE SEALANT FROM ALL WINDOWS AND PREPARE FOR NEW SEALANT. APPLY NEW SEALANT IN A PROFESSIONAL WORKMAN LIKE MANNER.

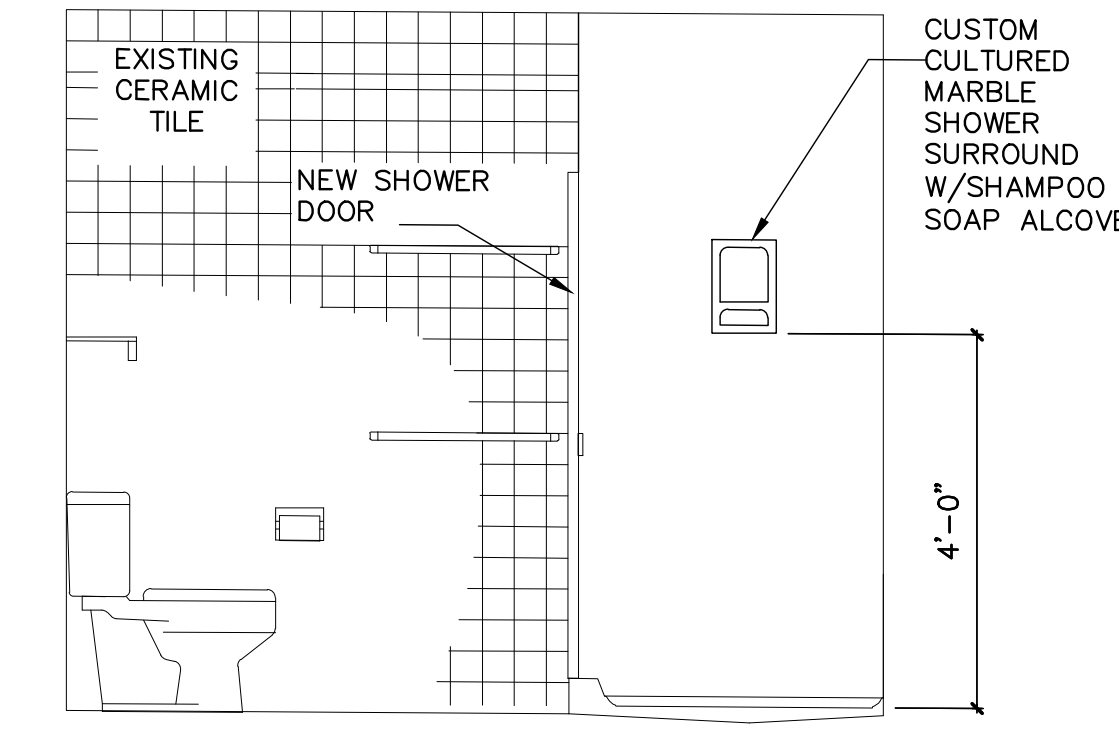


1
A400
TYPICAL DORM ROOM LIGHTING PLAN
scale: 3/8"=1'-0"

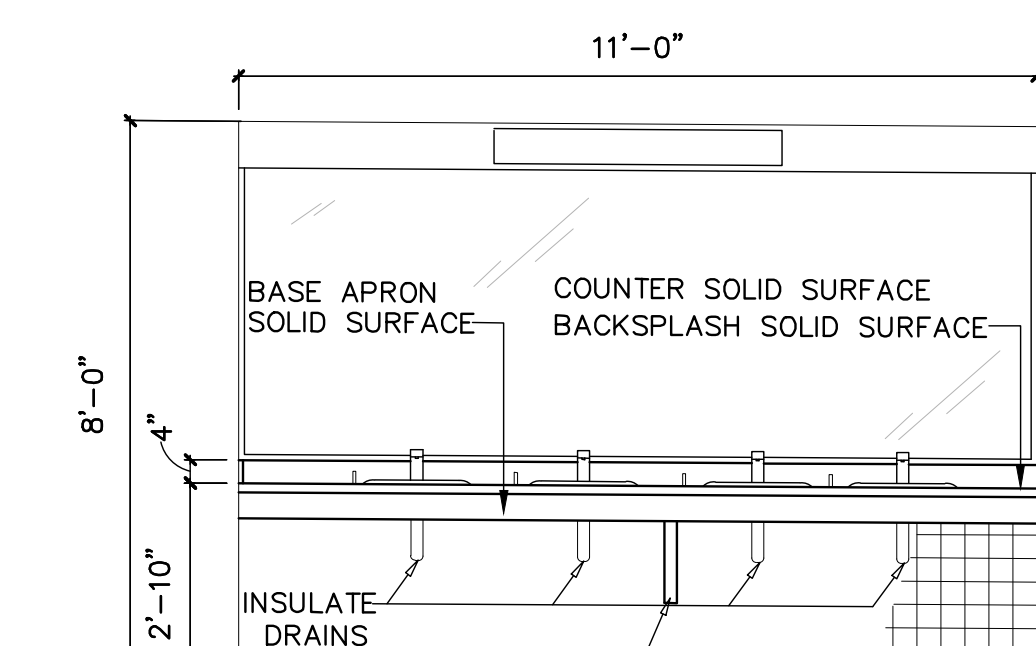
2
A400
EXISTING TYPICAL DORM ROOM WALL TYPE
scale: 3/8"=1'-0"



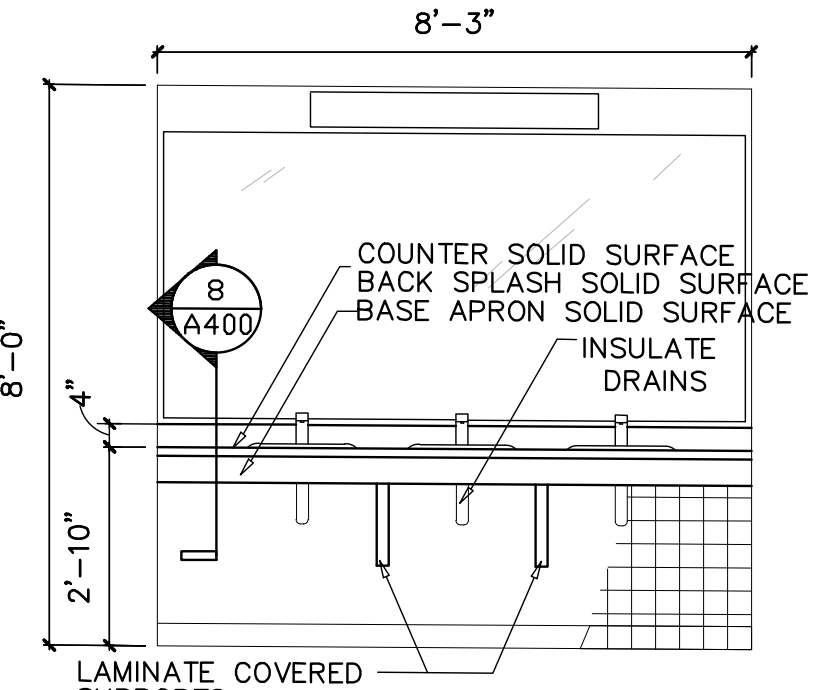
5
A400
TYPICAL DORM ROOM SHOWER PAN DETAIL
scale: NTS



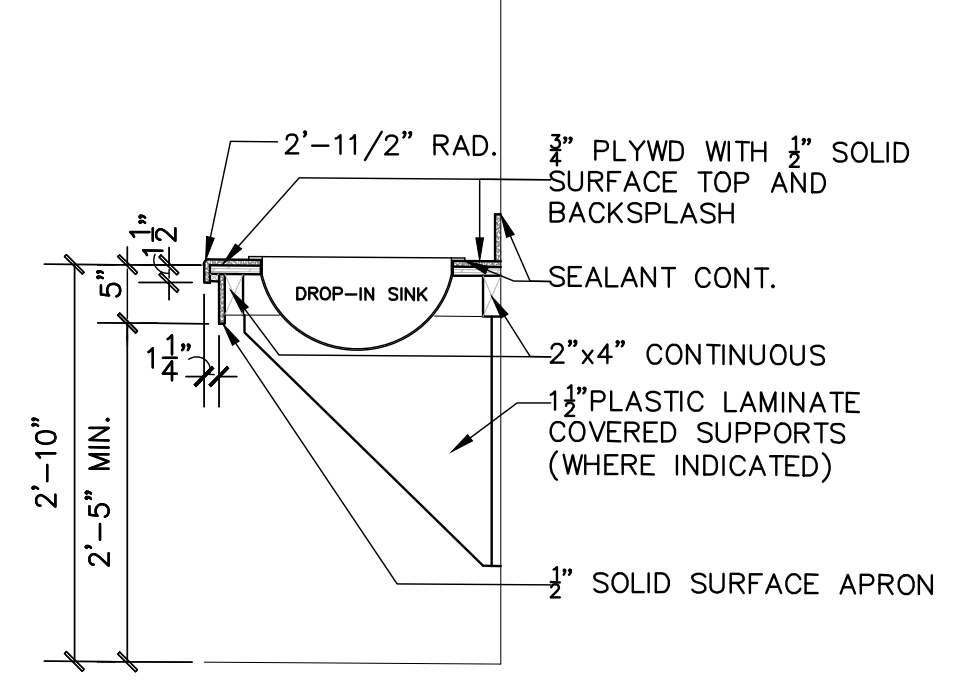
4
A400
SHOWER AREA ELEVATION
scale: 1/2"=1'-0"



6
A400
ELEVATION A - WOMENS RESTROOM MILLWORK ELEVATION
scale: 3/8"=1'-0"



7
A400
ELEVATION C - MENS RESTROOM MILLWORK ELEVATION
scale: 3/8"=1'-0"



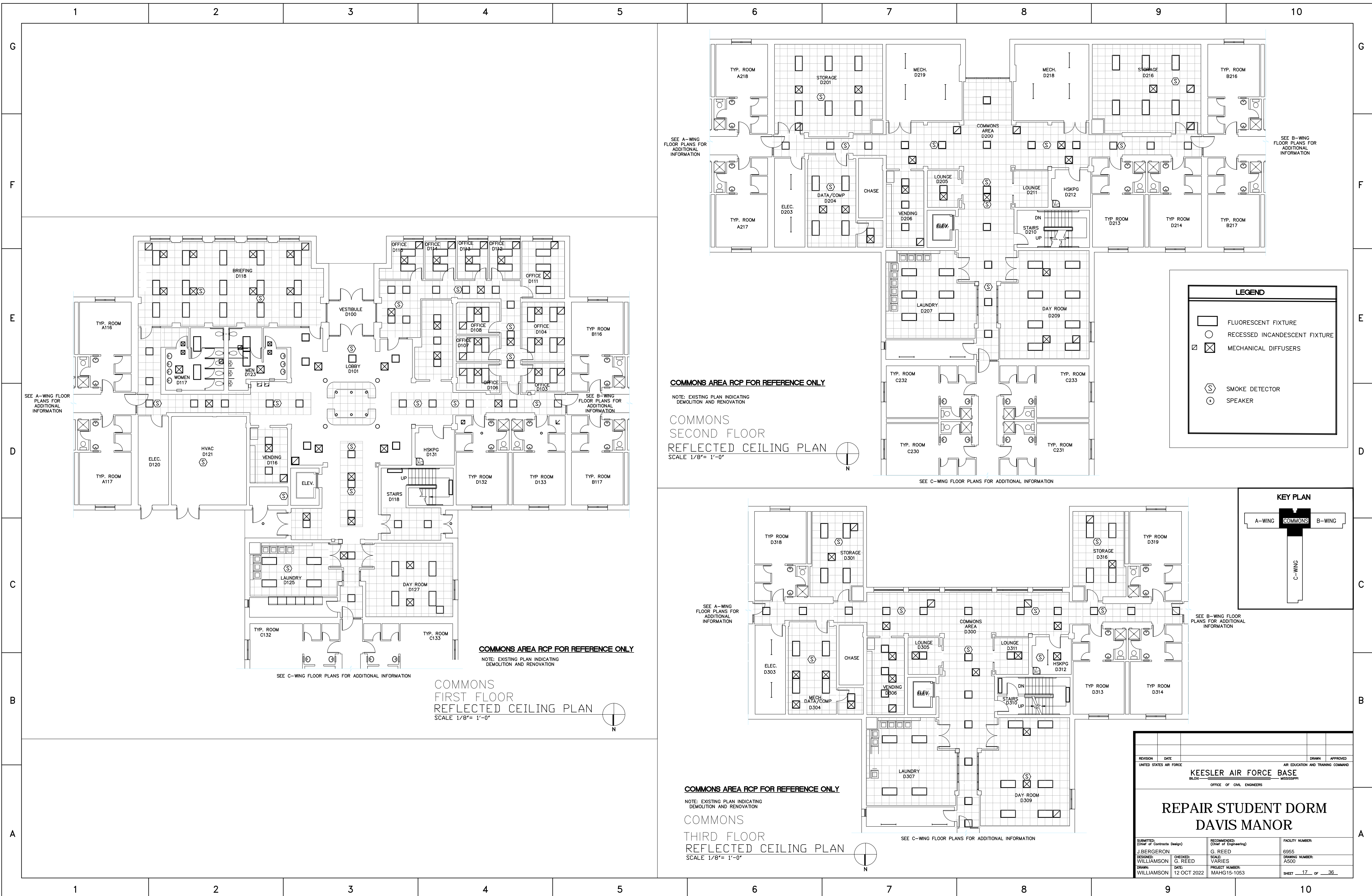
8
A400
PUBLIC RESTROOM COUNTER SECTION
scale: 3/4"=1'-0"

REVISION	DATE	BY	APPROVED

UNITED STATES AIR FORCE
KEESLER AIR FORCE BASE
 BLOOMINGVILLE, MISSISSIPPI
 OFFICE OF CIVIL ENGINEERS

**REPAIR STUDENT DORM
DAVIS MANOR**

SUBMITTED: (Chief of Contracts Design) J. BERGERON	RECOMMENDED: (Chief of Engineering) G. REED	FACILITY NUMBER: 6955
DESIGNED: WILLIAMSON	CHECKED: G. REED	DRAWING NUMBER: A400
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053
SHEET 16 OF 36		



SEE A-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

SEE B-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

SEE A-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

SEE B-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

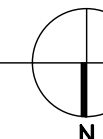
SEE A-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

SEE B-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

COMMONS AREA RCP FOR REFERENCE ONLY

NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

**COMMONS
SECOND FLOOR
REFLECTED CEILING PLAN**
SCALE 1/8"= 1'-0"



SEE C-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

LEGEND

- FLUORESCENT FIXTURE
- RECESSED INCANDESCENT FIXTURE
- MECHANICAL DIFFUSERS
- SMOKE DETECTOR
- SPEAKER

KEY PLAN

SEE A-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

SEE B-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

COMMONS AREA RCP FOR REFERENCE ONLY

NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

**COMMONS
FIRST FLOOR
REFLECTED CEILING PLAN**
SCALE 1/8"= 1'-0"



SEE C-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

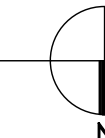
SEE A-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

SEE B-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

COMMONS AREA RCP FOR REFERENCE ONLY

NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

**COMMONS
THIRD FLOOR
REFLECTED CEILING PLAN**
SCALE 1/8"= 1'-0"



SEE C-WING FLOOR PLANS FOR ADDITIONAL INFORMATION

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
BLOOMINGTON, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS MANOR			
SUBMITTED: J. BERGERON DESIGNED: WILLIAMSON DRAWN: WILLIAMSON	CHECKED: G. REED DATE: 12 OCT 2022	RECOMMENDED: (Chief of Engineering) G. REED SCALE: VARIES PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955 DRAWING NUMBER: A500 SHEET 17 OF 36

B6955 Davis Manor VAV BOX SCHEDULE

VAV BOX SCHEDULE										HW REHEAT COIL						ACOUSTIC		REMARKS				
BOX #	QTY	LOCATION ROOM #	AHU #	TSTAT ROOM #	INLET DIA in.	MAX AIR (CLG CFM)	MIN AIR (HTG)	INLET SP in.wg	OUTLET SP in.wg	ARR LH/RH	HEAT CFM	EAT degF	LAT degF	CAPACITY kWh	EWT degF	LWT degF	HW FLOW gpm	RH coil row	COIL HW PD ft.HD	RAD NC	DIS NC	
VAV-1	197	TBD	TBD	TBD	5	200	90	1	0.5	TBD	90	55	110	5.3	180	160	0.5	1	0.3	21	21	w/ 120VAC, 1ph XFRMR
VAV-2	10	TBD	TBD	TBD	6	350	175	1	0.5	TBD	175	55	113	11.0	180	160	1.1	1	0.3	21	21	w/ 120VAC, 1ph XFRMR
VAV-3	6	TBD	TBD	TBD	7	500	200	1	0.5	TBD	200	55	112	12.3	180	160	1.2	1	0.3	21	21	w/ 120VAC, 1ph XFRMR
VAV-4	1	TBD	TBD	TBD	7	500	400	1	0.5	TBD	400	55	90	15.1	180	160	1.5	1	0.3	21	21	w/ 120VAC, 1ph XFRMR
VAV-5	9	TBD	TBD	TBD	8	850	480	1	0.5	TBD	480	55	95	20.7	180	160	2.1	1	0.3	21	21	w/ 120VAC, 1ph XFRMR

NEW ISOLATION VALVES AND HOSES
HWS STRAINER, P&T PLUGS, UNION
HWR BALANCE COCK, P&T PLUGS
HI MANUAL AIR VENT, HOSE DRAIN ON LOW SIDE
VAV CONTROLLER

CONTROLS NOTES:
THE INTENT IS TO PROVIDE NECESSARY CONTROLS TO REPLACE THE VAV BOXES AND MAINTAIN OPERATION OF THE ROOMS. THE CURRENT SYSTEM IS NO LONGER SUPPORTED. THIS WORK SHALL INCLUDE THE REMOVAL OF ALL CABLING, THERMOSTATS, AND SENSORS ASSOCIATED WITH THE CURRENT VAV BOXES LOCATED AT VARIOUS ROOMS AND ZONES AND INSTALL NEW WITH SIEMENS/JOHNSON CONTROLS FOR A SEPARATE VAV CONTROLLER WITH THERMOSTAT ON WALL THAT FUNCTIONS CORRECTLY FOR COOLING AND HEATING DUTY BUT IS CAPABLE OF BACNET TIE IN TO THE MENTIONED CONTROL SYSTEMS IN THE FUTURE. BOXES SHALL HAVE BACNET CARDS AND OR DEVICES FOR A SIMPLE CONNECTION IN FUTURE CONTROLS PROJECT. THE NEW SYSTEM SHALL BE 100% COMPLETE WITH ALL CABLING, DEVICES, SENSORS, VALVES, HUMIDISTATS, BOX MOUNTED CONTROLLERS, CONNECTION OF HIGH VOLTAGE WHERE NEEDED (SUB OUT THE WORK AND COORDINATE).

NEW SYSTEM SHALL MEET OR EXCEED CONTROL SEQUENCES OFFERED FOR PERFORMANCE.

THE ROOM THERMOSTATS/SENSORS SHALL BE FUTURE FRONT END CONTROLLED TO ALLOW USER A 5 DEGREE RANGE BUT APPLY A HIGH AND LOW LIMIT TO AVOID USERS FROM INDUCING EXTREME SPACE TEMPERATURES. TENTATIVE ROOM TEMPERATURE WILL BE 72F (ADJ).

FOR FUTURE WORK AT A MINIMUM THE VAV BOX CONTROLS WILL BE COMPLETE WITH STANDALONE CONTROL FOR EACH BOX. EXTEND A CABLE TO THE FLOOR SUB PANEL AND STUB IN WITH SLACK FOR FUTURE TERMINATION AND EXTENSION TO THE BUILDING MAIN PANEL WHEN A COMPLETE BACNET SYSTEM IS INSTALLED, THE INSTALLATION SHALL BE READY W/O REVISITING THE BOX FOR A FUTURE INCLUSION TO BUILDING WIDE SYSTEM. THE CONTROLS, HW VALVE, AND THERMOSTAT WILL BE READY FOR INCLUSION TO THE BUILDING WIDE SYSTEM W/O UPGRADES OR DISRUPTION OF OCCUPANTS AND FINISHES. CABLING IN HALLWAYS CEILING MAY BE ON J HOOKS ABOVE CEILING NEATLY CONNECTED WITH MINIMAL DROOP.

MECHANICAL PIPING LEGEND

	CONTROL VALVE
	REDUCER
	STRAINER
	BALANCE COCK
	UNION
	BALL VALVE
	GATE VALVE
	GAUGE CONNECTION W/ GAUGE COCK
	THERMOMETER
	PRESSURE GAUGE
	BACKFLOW PREVENTER
	CHECK VALVE
	PRESSURE REDUCING VALVE
	GLOBE VALVE
	CIRCUIT SETTER
	GAS COCK
	PRESSURE RELIEF VALVE
	CONDENSATE GRAVITY DRAIN
	HOT WATER SUPPLY
	HOT WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN

HVAC LEGEND

	RECTANGULAR DUCT WITH 2" DUCT WRAP
	RECTANGULAR DUCT WITH 1" LINER
	ROUND DUCT WITH 2" DUCT WRAP
	ROUND DUCT WITH 2" DUCT WRAP
	FLEX DUCT
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN/EXHAUST DUCT UP
	RETURN/EXHAUST DUCT DOWN
	SQUARE ELBOW WITH TURNING VANES - RECT. DUCT
	ROUND ELBOW - 5 PIECE 90, 3 PIECE 45
	ROUND ELBOW (12" OR LESS) - 5 PIECE 90, 3 PIECE 45
	MANUAL VOLUME DAMPER
	MOTORIZED VOLUME DAMPER
	CEILING DIFFUSER (FLOW DIRECTION INDICATED)
	RETURN AIR GRILLE
	THERMOSTAT (CONTROLLER LOCATION)
	THERMOSTAT (BULB LOCATION)
	STATIC PRESSURE SENSOR
	EQUIPMENT TAG
	DIFFUSER/GRILLE TAG
	NOT IN CONTRACT (NO WORK)
	CUBIC FEET PER MINUTE
	CUBIC FEET PER MINUTE
	ROUND DUCT
	THERMOSTAT

ABBREVIATIONS

CFM	CUBIC FEET PER MINUTE
Ø	DIAMETER
RAG	RETURN AIR GRILLE
WG	WALL GRILLE
DG	DOOR GRILLE
CG	CEILING GRILLE
CD	CEILING DIFFUSER
RD	RETURN DIFFUSER
LD	LINEAR DIFFUSER
OSA	OUTSIDE AIR
BD	MANUAL BALANCE DAMPER
MD	MOTORIZED BALANCE DAMPER
AFD	AUTOMATIC FIRE DAMPER
F/SD	FIRE/SMOKE DAMPER
F	FURNACE
EH	ELECTRIC HEATER
DH	DUCT HEATER
UH	UNIT HEATER
CU	CONDENSING UNIT
HP	HEAT PUMP UNIT

ABBREVIATIONS

CFM	CUBIC FEET PER MINUTE
CC	COOLING COIL
FC	FAN COIL
AHU	AIR HANDLING UNIT
CH	CHILLER
B	BOILER
EF	EXHAUST FAN
GV	GRAVITY VENTILATOR
P-	PUMP
VFD	VARIABLE FREQUENCY DRIVE
EXIST.	EXISTING
AFF	ABOVE FINISHED FLOOR
TYP.	TYPICAL
REQ'D	REQUIRED
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
AFF	ABOVE FINISH FLOOR
SR	SUPPLY REGISTER

GENERAL NOTES

- ALL PENETRATIONS TO BE SLEEVED AND CAULKED
- TEST AND BALANCE TO BE PERFORMED ON ALL SYSTEMS
- MOUNT THERMOSTATS AT 48" PER ADA REQUIREMENTS OR BACK TO EXIST LOCATION AS APPLIES
- SAFETY PAN WITH OVERFLOW SWITCH REQD
- INSTALL AHU AT PROPER HEIGHT FOR FALL AND TRAP FOR CONDENSATE.
- CONDENSATE LINE TO BE INSULATED WITH ARMAFLEX
- ALL EQUIPMENT TO BE INSTALLED PER MANUFACTURER RECOMMENDATIONS

AIR HANDLING UNIT SCHEDULE (FOR INFORMATION ONLY--NO WORK)

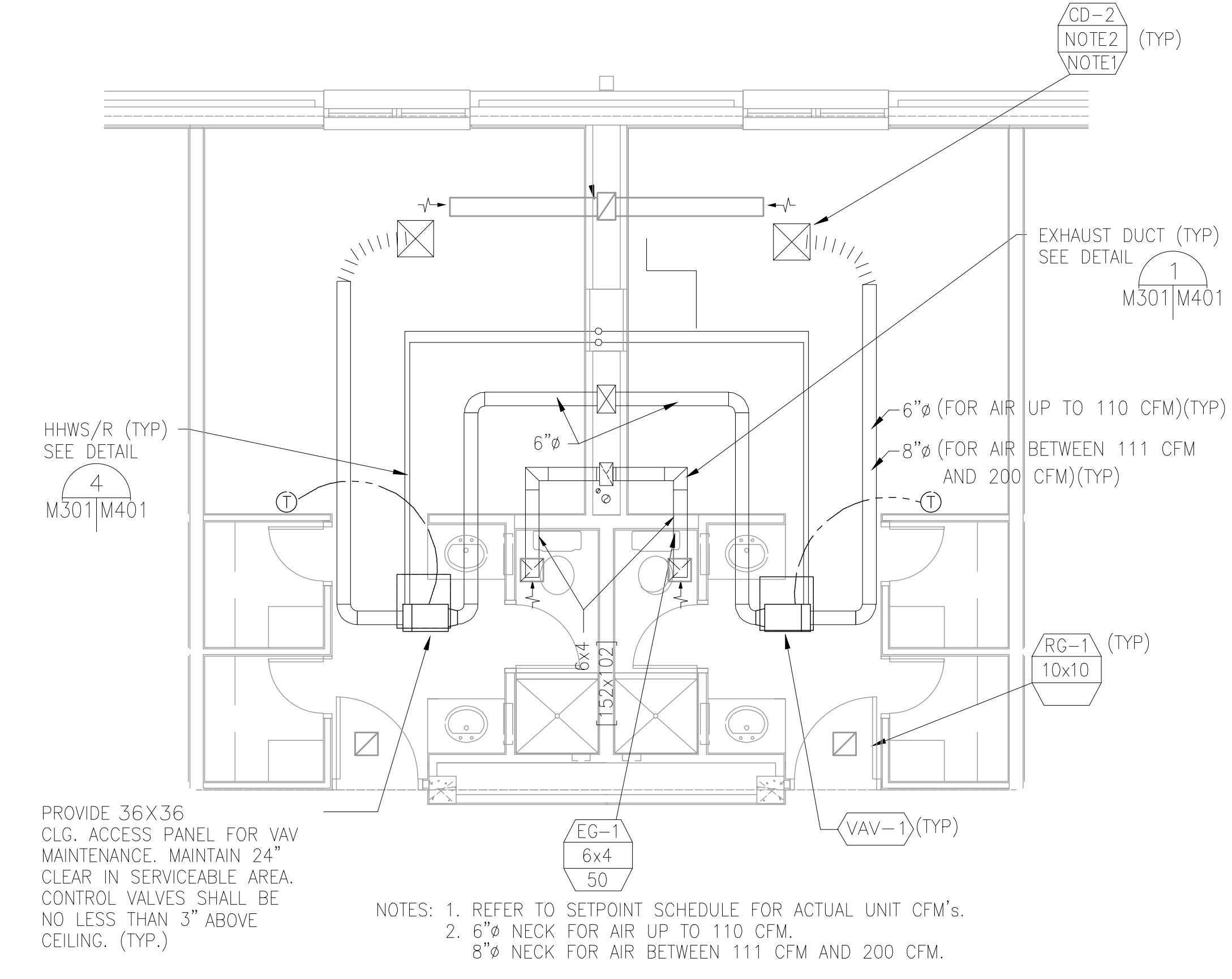
TAG NO.	SERVES	SUPPLY (CFM)	OA (CFM)	TOTAL CAPACITY TONS	SENSIBLE CAPACITY TONS	MAX FACE VEL	MAX ROOMS/FH	COOLING COIL					HEATING COIL					EXT SP (N.W.C)	FAN RPM	FAN MOTOR HP	BASIS OF DESIGN CARRIER MODEL 39L SIZE							
								EAT	LAT	MAX APD (N. WC)	WATER CAPACITY (MGH)	EAT (°F)	LAT (°F)	MAX APD (N. WC)	WATER CAPACITY (MGH)													
AHU-W (3)	W. WING	6850	3185	33.8	16.5	500	6/11	86.5	75.3	55.0	54.9	0.75	67.6	20	44	56	-	-	-	-	-	3	1750	10.0	208/3/60	18		
AHU-E (3)	E. WING	7500	3575	37.8	18.4	500	6/11	86.6	75.4	55.0	54.9	0.75	75.6	20	44	56	-	-	-	-	-	3	1750	10.0	208/3/60	18		
AHU-Sw (3)	S. WING (W. WING SIDE)	6900	3120	34.1	17.0	500	6/11	86.1	74.7	55.0	54.9	0.75	68.2	20	44	56	-	-	-	-	-	3	1750	10.0	208/3/60	18		
AHU-Se (3)	S. WING (E. WING SIDE)	6800	3120	33.0	16.0	500	6/11	86.1	75.2	55.0	54.9	0.75	66.0	20	44	56	-	-	-	-	-	3	1750	10.0	208/3/60	18		
AHU-C1 (3)	COMMONS 1st	2200	750	9.8	5.4	500	6/11	82.1	71.0	55.0	54.4	0.75	19.6	15	44	56	-	-	-	-	-	3	1500	5	208/3/60	6		
AHU-C2 (3)	COMMONS 2nd	2700	400	8.9	5.9	500	6/11	79.2	67.2	55.0	54.4	0.75	17.8	15	44	56	-	-	-	-	-	3	1500	5	208/3/60	8		
AHU-C3 (3)	COMMONS 3rd	4200	200	11.1	8.6	500	6/11	77.7	65.0	55.0	54.4	0.75	22.2	15	44	56	-	-	-	-	-	3	1500	7.5	208/3/60	12		
MAU-1 (3)	MAKE-UP AIR UNIT S/L	8640	8640	-	-	-	-	-	-	-	-	-	-	224	31	55	.15	22.4	20	180	.3	1.0	1350	10.0	208/3/60	-		
MAU-2 (3)	MAKE-UP AIR UNIT E/W	6760	6760	-	-	-	-	-	-	-	-	-	-	175	31	55	.15	17.5	20	180	.3	1.0	1350	7.5	208/3/60	-		
MAU-3 (3)	MAKE-UP COMMONS	1350	1350	-	-	-	-	-	-	-	-	-	-	35	31	55	.15	3.5	20	180	.3	1.0	1350	3	208/3/60	-		
CV-AHU-1 (2)(3)	LAUNDRY RM 1st	800	(1)	1.8	1.4	500	4/-	78	65	55.0	54.9	.6	3.6	10	44	56	10	68.3	80.0	.15	1.0	20	180	.3	-	1/5	120/1/60	-
CV-AHU-2 (2)(3)	LAUNDRY RM 2nd	800	(1)	1.8	1.4	500	4/-	78	65	55.0	54.9	.6	3.6	10	44	56	10	68.3	80.0	.15	1.0	20	180	.3	-	1/5	120/1/60	-
CV-AHU-3 (2)(3)	LAUNDRY RM 3rd	800	(1)	1.8	1.4	500	4/-	78	65	55.0	54.9	.6	3.6	10	44	56	10	68.3	80.0	.15	1.0	20	180	.3	-	1/5	120/1/60	-

- 800 CFM OF UNCONDITIONED/PREHEATED OUTSIDE AIR IS SUPPLIED DIRECTLY TO THE ROOMS, BEHIND THE DRIVERS.
- BASED ON TERMINAL VERTICAL FAN COIL UNIT W/FURROR-IN CONSTRUCTION, MOTORIZED OUTSIDE AIR DAMPER, CHW & HHW COILS, UNIT MOUNTED T-STAT W/LOCKING COVER, 1" THROW AWAY FILTER.
- PROVIDE MIRCQ SWITCH IN CONDENSATE DRAIN PAN, CONNECT TO EMCS AND AHU FAN STARTER.

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
BLISS OFFICE OF CIVIL ENGINEERS MISSISSIPPI			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: Chief of Contracts Design A. MARASCA	RECOMMENDED: Chief of Engineering G. REED	FACILITY NUMBER 6955	
DESIGNED: WILLIAMSON	CHECKED: G. REED	SCALE: VARIES	DRAWING NUMBER: M100
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053	SHEET 18 OF 36

SCOPE WORK: REPLACE VAV BOXES THROUGHOUT BUILDING. REMOVE EXISTING BOX, DISCONNECT REHEAT COIL AT BALL VALVES, REMOVE THERMOSTAT AND CONTROLS, DISCONNECT POWER, DISCONNECT EXISTING CONTROLS COMMUNICATIONS WIRESBACK TO MAIN PANEL (ALL WIRING NOT PART OF FINAL INSTALLATION MUST BE REMOVED). INSTALL NEW BOX WITH BACNET CONTROLS, CONNECT NEW BOX REHEAT COIL WITH NEXUS STYLE VALVE ASSEMBLIES, PROVIDE AND INSTALL NEW DUCT TRANSITIONS AS NECESSARY, INSULATE ALL INSTALLATION WORK WITH 2" BATT, USE LIBERAL SEALANT ON SHEET METAL CONNECTIONS, AFTER TAPING INSULATION USE SEALANT ON INSULATION SEAM. PERFORM TEST AND BALANCE ON BOX WITH CONTROLS COMPANY ON HAND AND SET CALIBRATION FACTOR.

NOTICE: IF THE FULL DDC CONTROL SYSTEM IS NOT ACCEPTED IN BIDDING THEN THE VAV BOX WILL BE INSTALLED STAND ALONE WITH THERMOSTAT, BACNET READY CONTROLS, AND WILL EXTEND MAIN TRUNK OR DAISEY CHAIN FROM BOXES ON HALL TO CENTRAL LOCATION WITH WIRES TERMINATED IN A CABINET SUITABLE FOR FUTURE CONTROLLERS TO BE INSTALLED. FUTURE WORK WILL EXTEND FROM THOSE CABINETS TO A CENTRAL LOCATION FOR THE MAIN CABINET AND BUILDING CONTROLS.



1 TYPICAL LIVING UNIT DETAIL

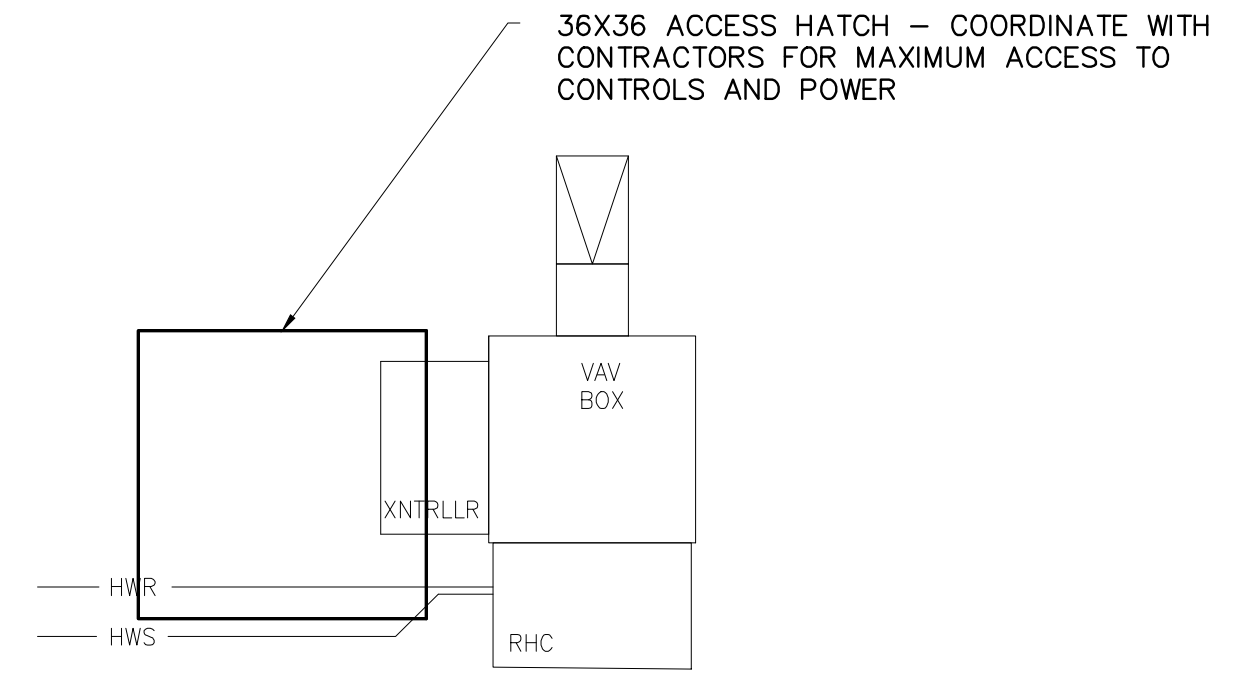
SCALE: 1/4" = 1'-0"

NOTES: 1. REFER TO SETPOINT SCHEDULE FOR ACTUAL UNIT CFM'S.
2. 6"Ø NECK FOR AIR UP TO 110 CFM.
3. 8"Ø NECK FOR AIR BETWEEN 111 CFM AND 200 CFM.

LIVING UNIT VAV SETPOINT SCHEDULE

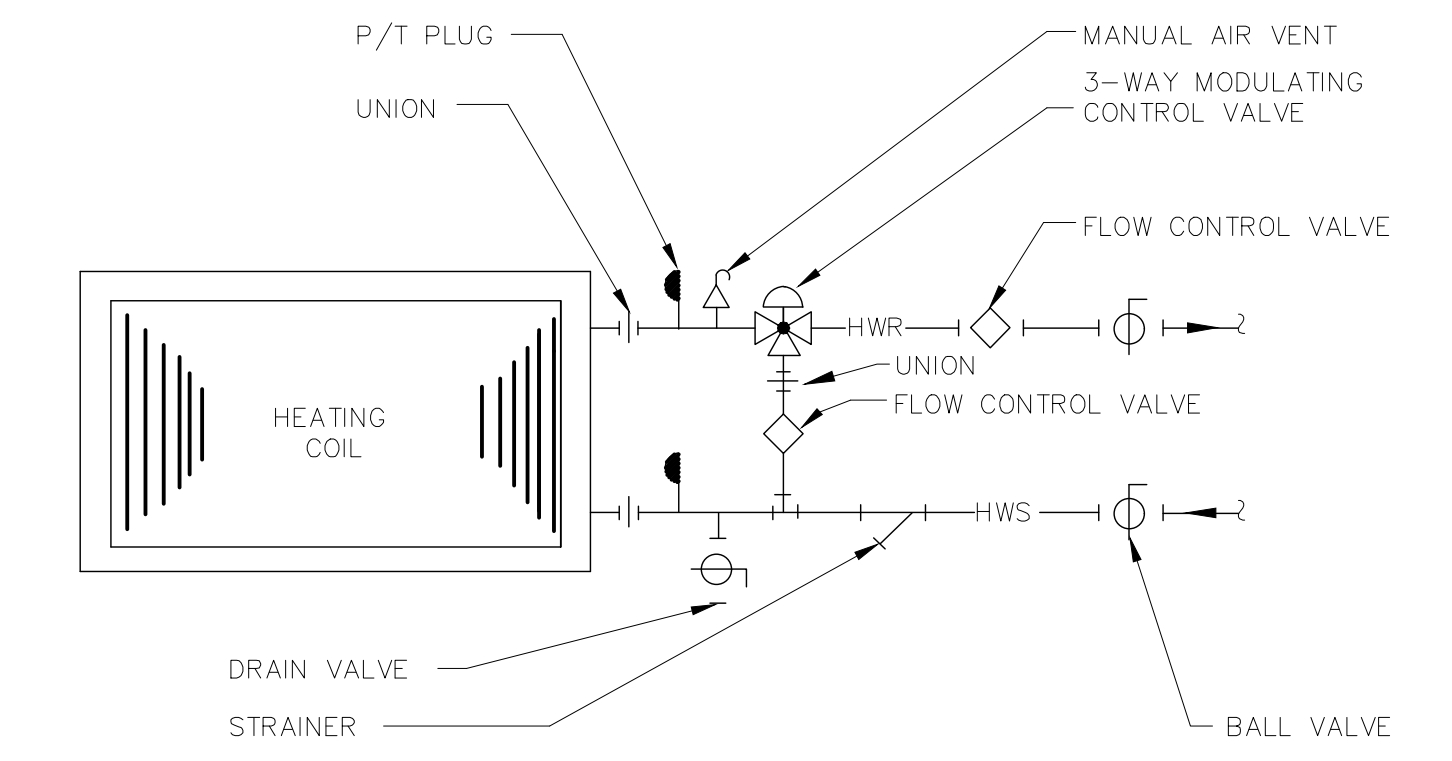
FLOOR	WING	ROOM ORIENTATION	TYP UNIT		END UNIT		REMARKS
			SUP	RET	SUP	RET	
FIRST FLOOR	E	NORTHEAST	106	41	118	53	
		SOUTHWEST	125	60	149	84	
	W	NORTHEAST	106	41	122	57	
		SOUTHWEST	125	60	149	84	
	S	SOUTHEAST	115	50	134	69	
		NORTHWEST	121	56	138	73	
SECOND FLOOR	E	NORTHEAST	106	41	118	53	
		SOUTHWEST	125	60	149	84	
	W	NORTHEAST	106	41	122	57	
		SOUTHWEST	125	60	149	84	
	S	SOUTHEAST	115	50	134	69	
		NORTHWEST	121	56	138	73	
THIRD FLOOR	E	NORTHEAST	149	84	164	99	
		SOUTHWEST	170	105	194	129	
	W	NORTHEAST	149	84	167	102	
		SOUTHWEST	170	105	194	129	
	S	SOUTHEAST	155	90	179	114	
		NORTHWEST	164	99	182	117	

1. SA VALUES ARE IN CUBIC FEET PER MINUTE (CFM)
2. 50 CFM/UNIT EXHAUST.
3. 15 CFM/UNIT FOR AIR PRESSURIZATION.



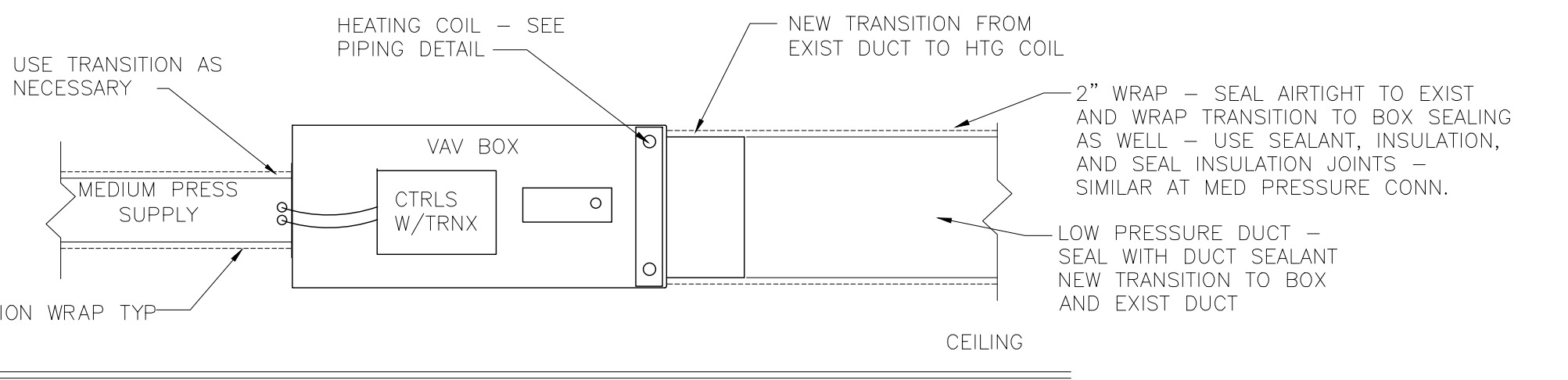
2 VAV HEATING COIL DETAIL

SCALE: NTS



3 VAV HEATING COIL DETAIL

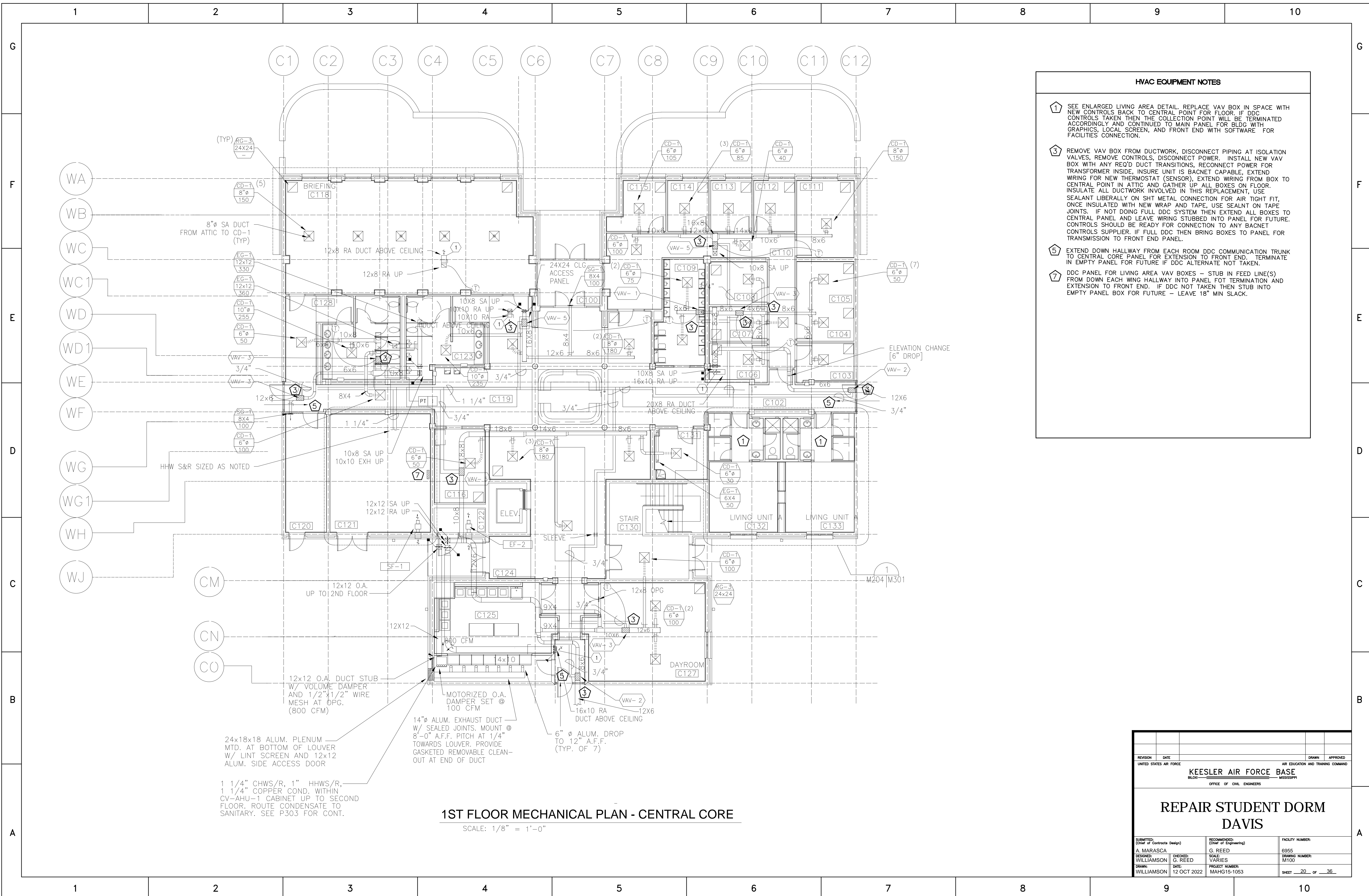
SCALE: NTS



4 VAV BOX INSTALLATION DETAIL DETAIL

SCALE: NTS

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
BLOOMINGTON, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM			
DAVIS			
SUBMITTED: A. MARASCA (Chief of Contracts Design)	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955	
DESIGNED: WILLIAMSON	CHECKED: G. REED	SCALE: VARIES	DRAWING NUMBER: M002
DRAWN: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053	SHEET 19 of 36



- HVAC EQUIPMENT NOTES**
- 1 SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.
 - 3 REMOVE VAV BOX FROM DUCTWORK, DISCONNECT PIPING AT ISOLATION VALVES, REMOVE CONTROLS, DISCONNECT POWER. INSTALL NEW VAV BOX WITH ANY REQ'D DUCT TRANSITIONS, RECONNECT POWER FOR TRANSFORMER INSIDE, INSURE UNIT IS BACNET CAPABLE, EXTEND WIRING FOR NEW THERMOSTAT (SENSOR), EXTEND WIRING FROM BOX TO CENTRAL POINT IN ATTIC AND GATHER UP ALL BOXES ON FLOOR. INSULATE ALL DUCTWORK INVOLVED IN THIS REPLACEMENT, USE SEALANT LIBERALLY ON SHT METAL CONNECTION FOR AIR TIGHT FIT, ONCE INSULATED WITH NEW WRAP AND TAPE, USE SEALNT ON TAPE JOINTS. IF NOT DOING FULL DDC SYSTEM THEN EXTEND ALL BOXES TO CENTRAL PANEL AND LEAVE WIRING STUBBED INTO PANEL FOR FUTURE. CONTROLS SHOULD BE READY FOR CONNECTION TO ANY BACNET CONTROLS SUPPLIER. IF FULL DDC THEN BRING BOXES TO PANEL FOR TRANSMISSION TO FRONT END PANEL.
 - 5 EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE PANEL FOR EXTENSION TO FRONT END. TERMINATE IN EMPTY PANEL FOR FUTURE IF DDC ALTERNATE NOT TAKEN.
 - 7 DDC PANEL FOR LIVING AREA VAV BOXES - STUB IN FEED LINE(S) FROM DOWN EACH WING HALLWAY INTO PANEL FOR TERMINATION AND EXTENSION TO FRONT END. IF DDC NOT TAKEN THEN STUB INTO EMPTY PANEL BOX FOR FUTURE - LEAVE 18" MIN SLACK.

24x18x18 ALUM. PLENUM MTD. AT BOTTOM OF LOUVER W/ LINT SCREEN AND 12x12 ALUM. SIDE ACCESS DOOR

1 1/4" CHWS/R, 1" HHWS/R, 1 1/4" COPPER COND. WITHIN CV-AHU-1 CABINET UP TO SECOND FLOOR. ROUTE CONDENSATE TO SANITARY. SEE P303 FOR CONT.

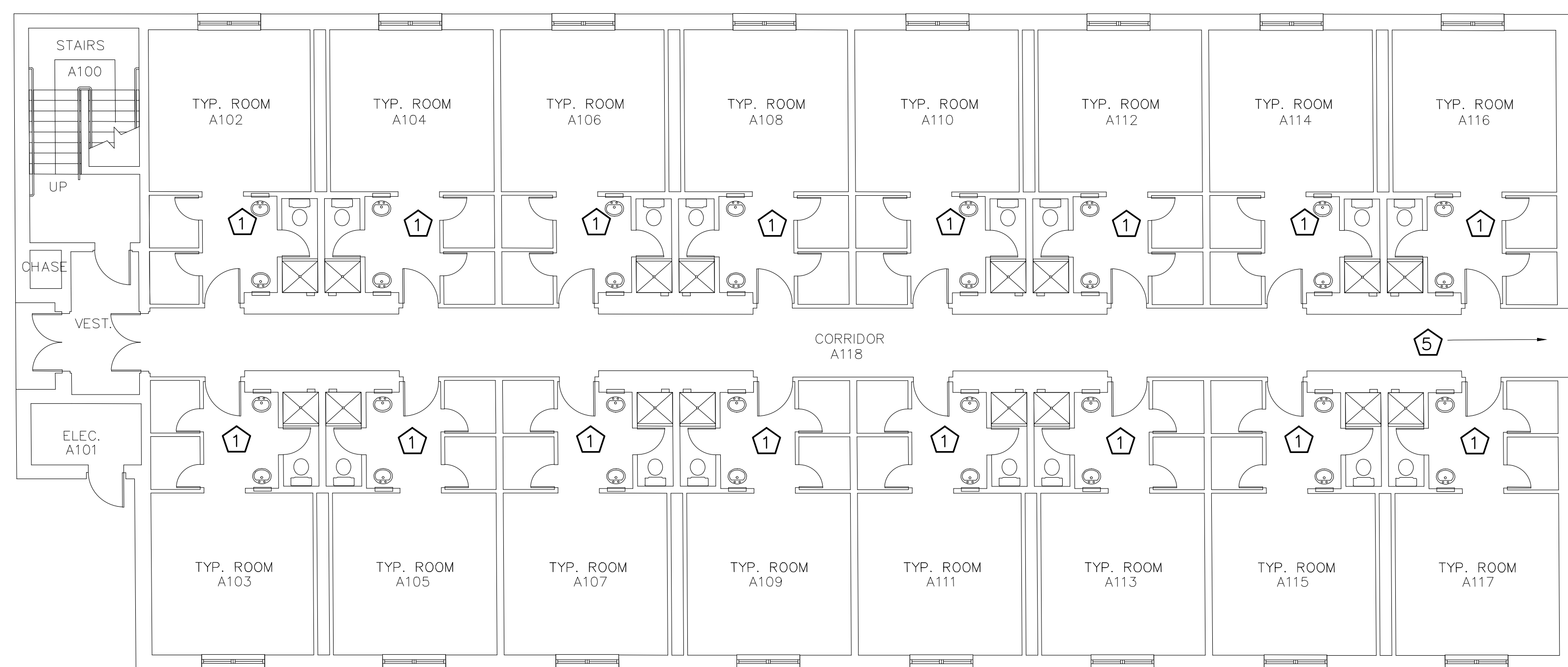
14" ALUM. EXHAUST DUCT W/ SEALED JOINTS. MOUNT @ 8'-0" A.F.F. PITCH AT 1/4" TOWARDS LOUVER. PROVIDE GASKETED REMOVABLE CLEAN-OUT AT END OF DUCT

6" Ø ALUM. DROP TO 12" A.F.F. (TYP. OF 7)

1ST FLOOR MECHANICAL PLAN - CENTRAL CORE

SCALE: 1/8" = 1'-0"

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE KEESLER AIR FORCE BASE <small>BLOOMINGTON, MISSISSIPPI</small> OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: A. MARASCA <small>(Chief of Contracts Design)</small>	DESIGNED: WILLIAMSON	CHECKED: G. REED	FACILITY NUMBER: 6955 DRAWING NUMBER: M100
DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053	SCALE: VARIES	SHEET 20 OF 36



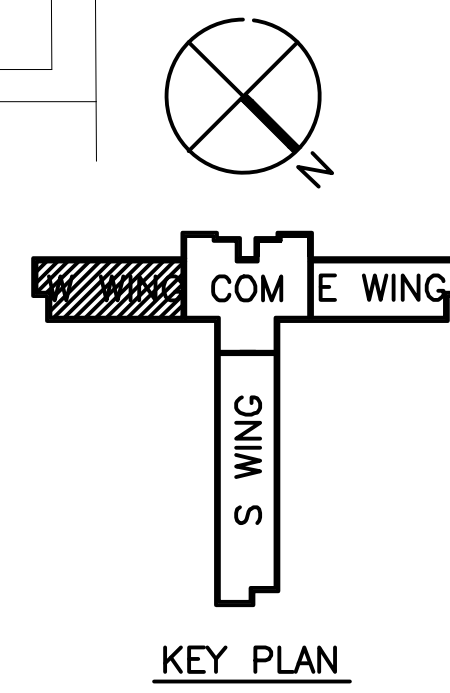
TYPICAL LIVING AREA NOTES
(REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS.)

1 SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.

5 EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE

NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

**A-WING
FIRST FLOOR PLAN**
SCALE 1/8" = 1'-0"

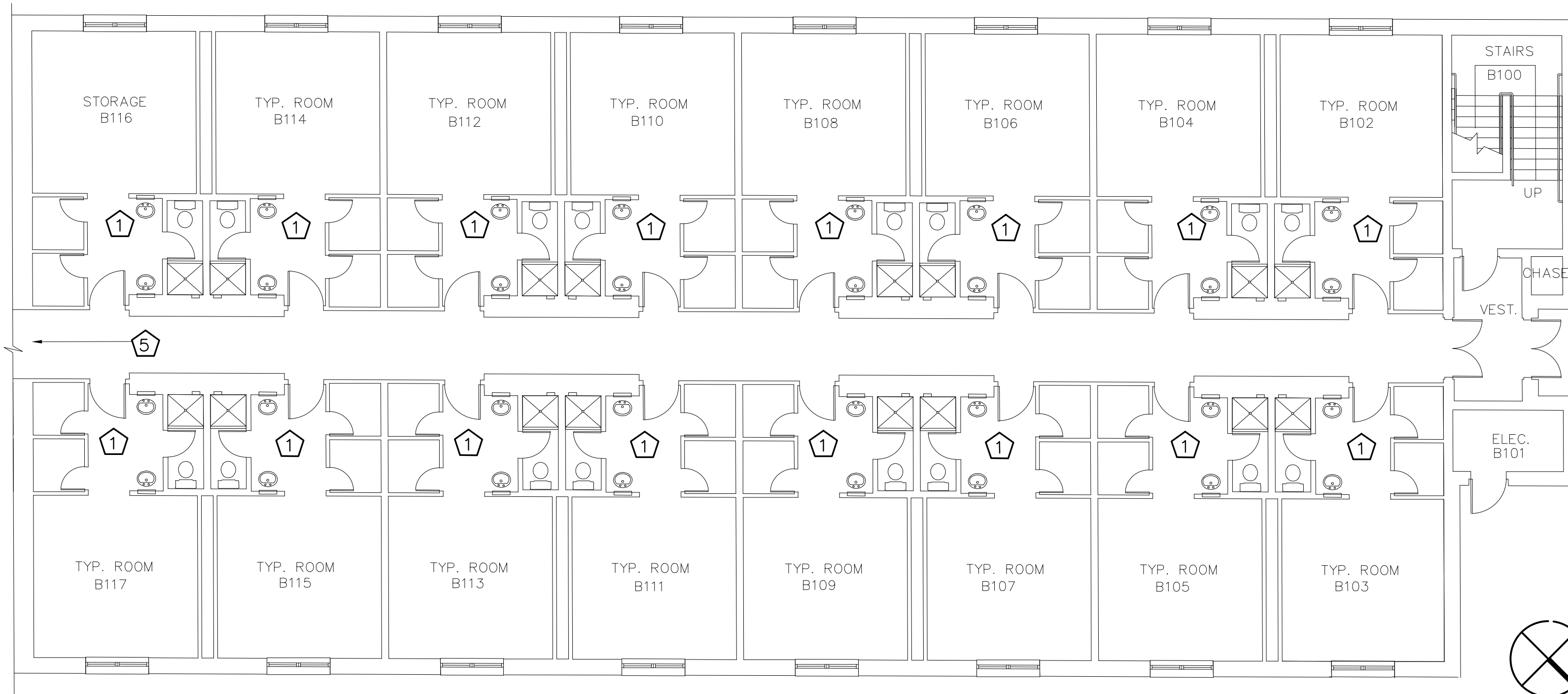


REVISION	DATE	DRAWN	APPROVED

UNITED STATES AIR FORCE
KEESLER AIR FORCE BASE
BLOOMINGVILLE, MISSISSIPPI
OFFICE OF CIVIL ENGINEERS

**REPAIR STUDENT DORM
DAVIS**

SUBMITTED: A. MARASCA (Chief of Contracts Design)	DESIGNED: WILLIAMSON	CHECKED: G. REED	DATE: 12 OCT 2022	RECOMMENDED: G. REED (Chief of Engineering)	SCALE: VARIES	PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955	DRAWING NUMBER: M101	SHEET 21 of 36
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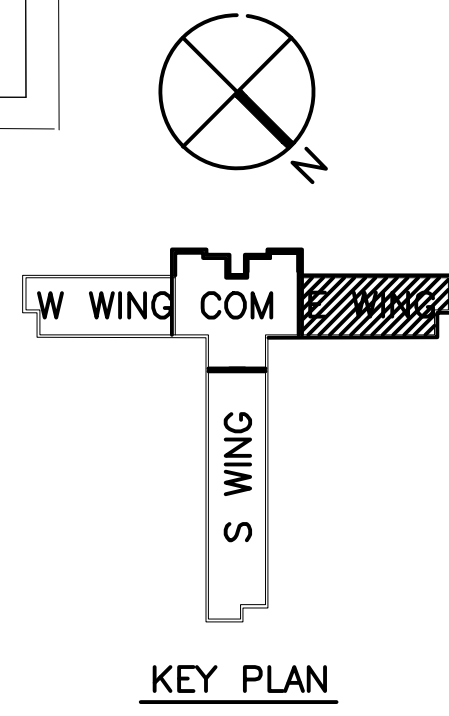
TYPICAL LIVING AREA NOTES
(REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS.)

1 SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.

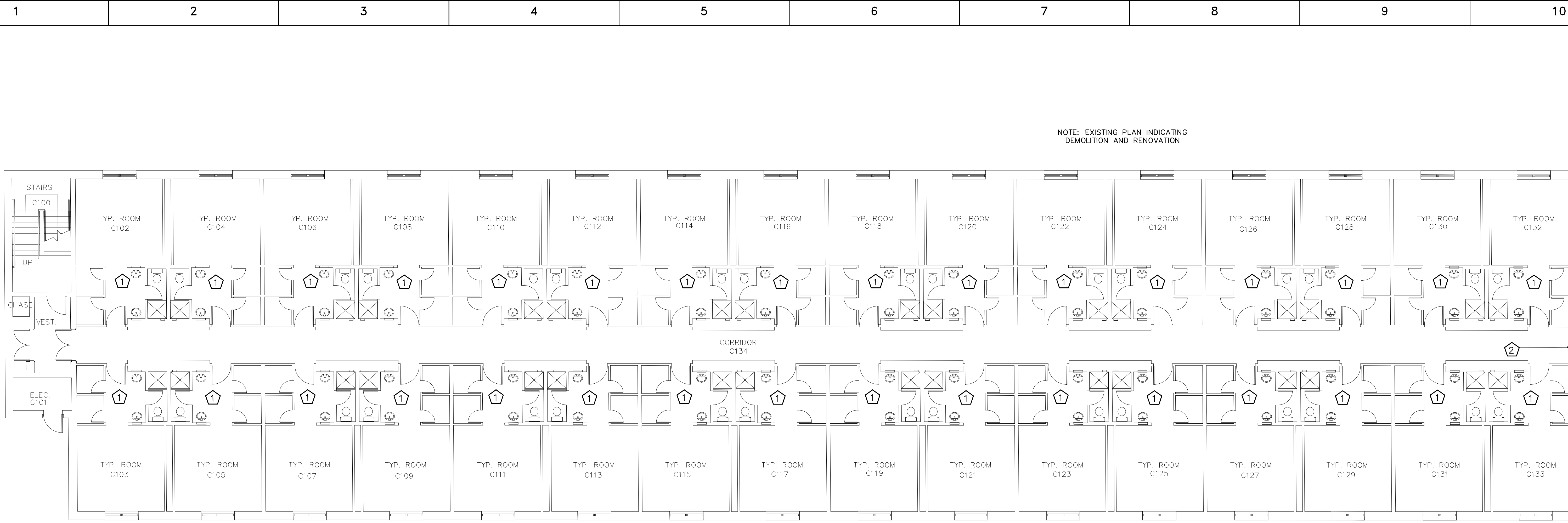
5 EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE

NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

**B-WING
FIRST FLOOR PLAN**
SCALE 1/8" = 1'-0"



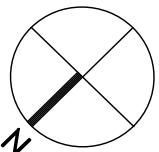
REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
BLOOMINGTON, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: A. MARASCA DESIGNED: WILLIAMSON DRAWN: WILLIAMSON	CHECKED: G. REED DATE: 12 OCT 2022	RECOMMENDED: G. REED SCALE: VARIES PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955 DRAWING NUMBER: M102 SHEET 22 of 36



NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

C-WING
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"



TYPICAL LIVING AREA NOTES
(REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS.)

- ① SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.
- ⑤ EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE

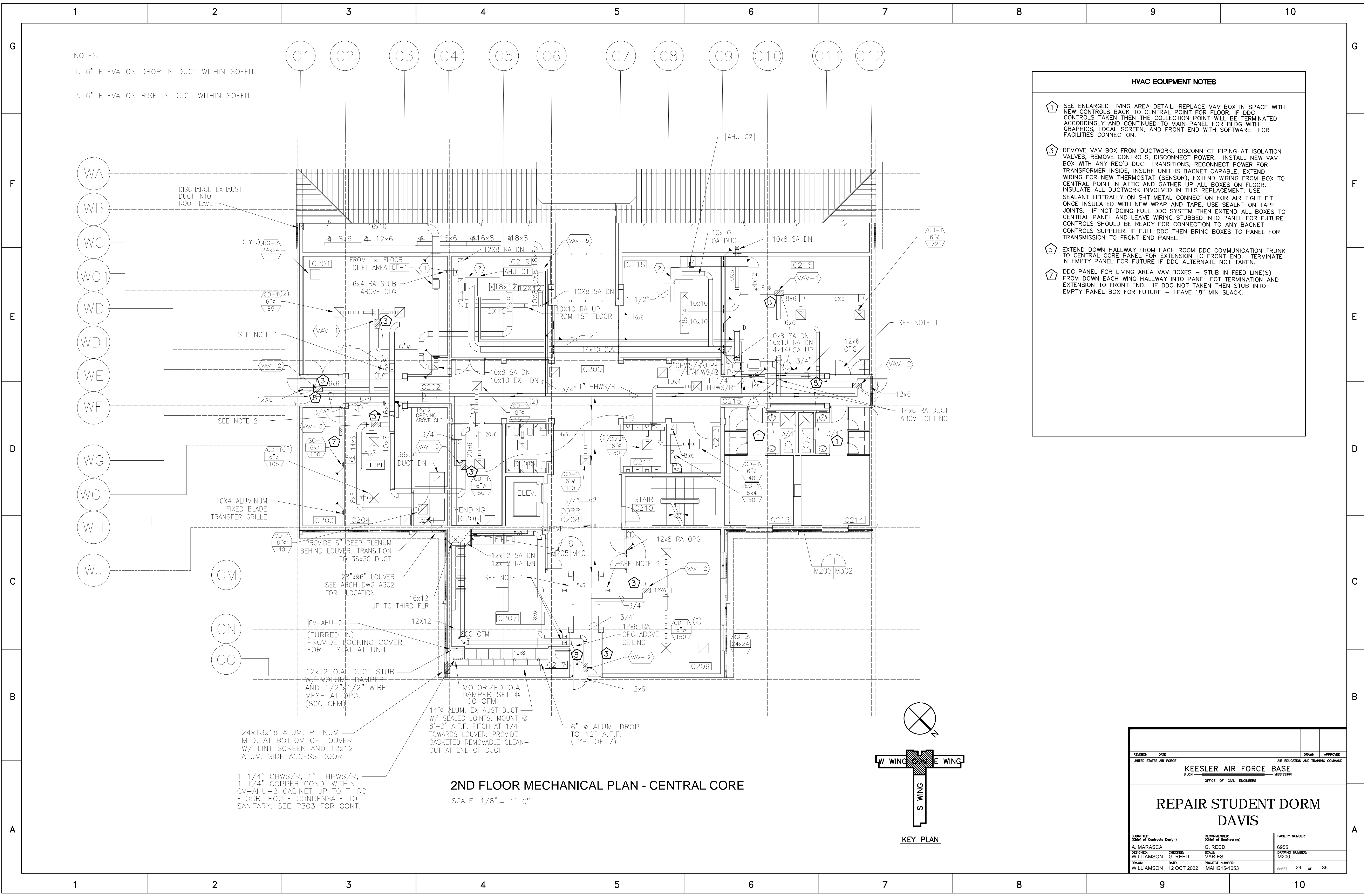
REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
BLOOMINGVILLE, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: A. MARASCA (Chief of Contracts Design)	DESIGNED: WILLIAMSON	CHECKED: G. REED	DATE: 12 OCT 2022
RECOMMENDED: G. REED (Chief of Engineering)	SCALE: VARIES	PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955
DRAWING NUMBER: M103		SHEET 23 OF 36	

NOTES:

- 6" ELEVATION DROP IN DUCT WITHIN SOFFIT
- 6" ELEVATION RISE IN DUCT WITHIN SOFFIT

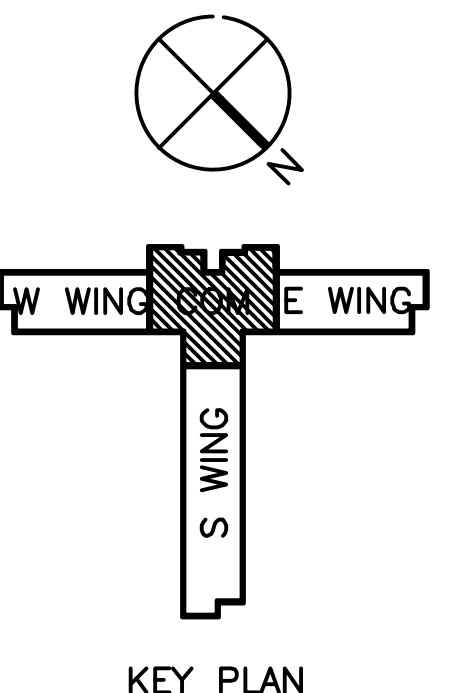
HVAC EQUIPMENT NOTES

- SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.
- REMOVE VAV BOX FROM DUCTWORK, DISCONNECT PIPING AT ISOLATION VALVES, REMOVE CONTROLS, DISCONNECT POWER. INSTALL NEW VAV BOX WITH ANY REQ'D DUCT TRANSITIONS, RECONNECT POWER FOR TRANSFORMER INSIDE, INSURE UNIT IS BACNET CAPABLE, EXTEND WIRING FOR NEW THERMOSTAT (SENSOR), EXTEND WIRING FROM BOX TO CENTRAL POINT IN ATTIC AND GATHER UP ALL BOXES ON FLOOR. INSULATE ALL DUCTWORK INVOLVED IN THIS REPLACEMENT, USE SEALANT LIBERALLY ON SHIT METAL CONNECTION FOR AIR TIGHT FIT, ONCE INSULATED WITH NEW WRAP AND TAPE, USE SEALANT ON TAPE JOINTS. IF NOT DOING FULL DDC SYSTEM THEN EXTEND ALL BOXES TO CENTRAL PANEL AND LEAVE WIRING STUBBED INTO PANEL FOR FUTURE. CONTROLS SHOULD BE READY FOR CONNECTION TO ANY BACNET CONTROLS SUPPLIER. IF FULL DDC THEN BRING BOXES TO PANEL FOR TRANSMISSION TO FRONT END PANEL.
- EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE PANEL FOR EXTENSION TO FRONT END. TERMINATE IN EMPTY PANEL FOR FUTURE IF DDC ALTERNATE NOT TAKEN.
- DDC PANEL FOR LIVING AREA VAV BOXES - STUB IN FEED LINE(S) FROM DOWN EACH WING HALLWAY INTO PANEL FOR TERMINATION AND EXTENSION TO FRONT END. IF DDC NOT TAKEN THEN STUB INTO EMPTY PANEL BOX FOR FUTURE - LEAVE 18" MIN SLACK.



2ND FLOOR MECHANICAL PLAN - CENTRAL CORE

SCALE: 1/8" = 1'-0"



REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE BLOOMINGTON, MISSISSIPPI OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: A. MARASCA DESIGNED: WILLIAMSON DRAWN: WILLIAMSON	CHECKED: G. REED DATE: 12 OCT 2022	RECOMMENDED: (Chief of Engineering) G. REED SCALE: VARIES PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955 DRAWING NUMBER: M200 SHEET 24 OF 36

1 1/4" CHWS/R, 1" HHWS/R, 1 1/4" COPPER COND. WITHIN CV-AHU-2 CABINET UP TO THIRD FLOOR. ROUTE CONDENSATE TO SANITARY. SEE P303 FOR CONT.

24x18x18 ALUM. PLENUM MTD. AT BOTTOM OF LOUVER W/ LINT SCREEN AND 12x12 ALUM. SIDE ACCESS DOOR

14"Ø ALUM. EXHAUST DUCT W/ SEALED JOINTS. MOUNT @ 8'-0" A.F.F. PITCH AT 1/4" TOWARDS LOUVER. PROVIDE GASKETED REMOVABLE CLEAN-OUT AT END OF DUCT

MOTORIZED O.A. DAMPER SET @ 100 CFM

12x12 O.A. DUCT STUB W/ VOLUME DAMPER AND 1/2"x1/2" WIRE MESH AT OPG. (800 CFM)

(FURRED IN) PROVIDE LOCKING COVER FOR T-STAT AT UNIT

28'x96" LOUVER SEE ARCH DWG A302 FOR LOCATION UP TO THRD FLR.

PROVIDE 6" DEEP PLENUM BEHIND LOUVER, TRANSITION TO 36x30 DUCT

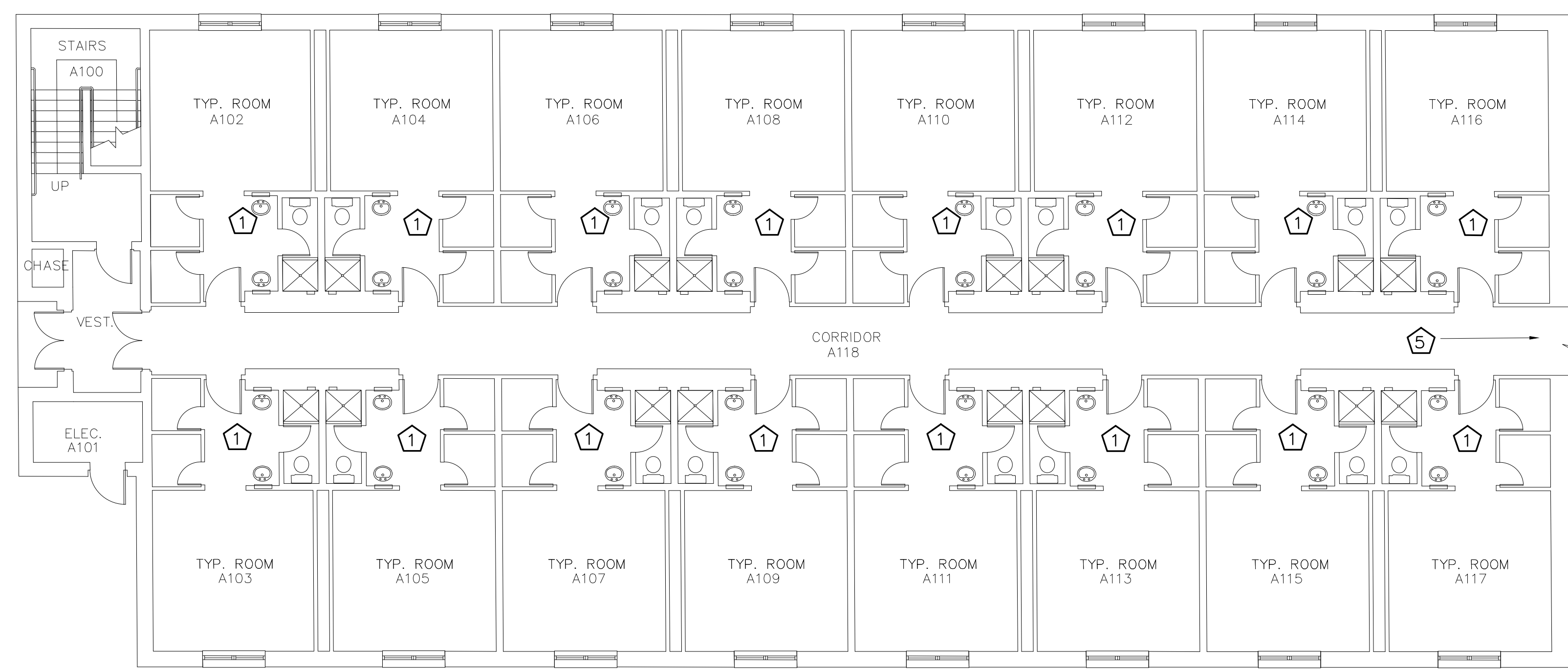
10x4 ALUMINUM FIXED BLADE TRANSFER GRILLE

SEE NOTE 2

SEE NOTE 1

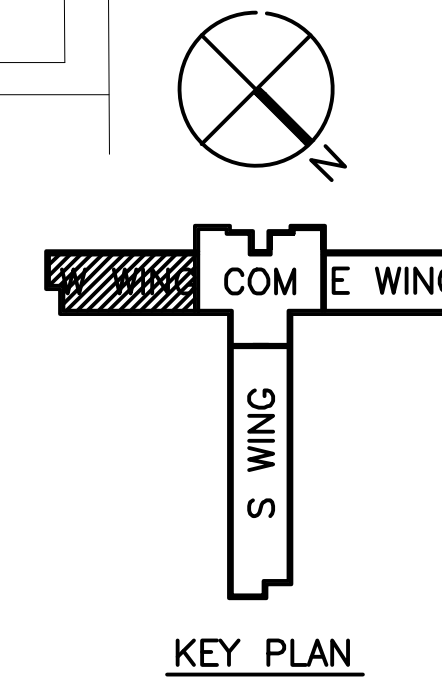
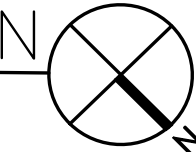
SEE NOTE 1

SEE NOTE 1



NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

**A-WING
FIRST FLOOR PLAN**
SCALE 1/8" = 1'-0"

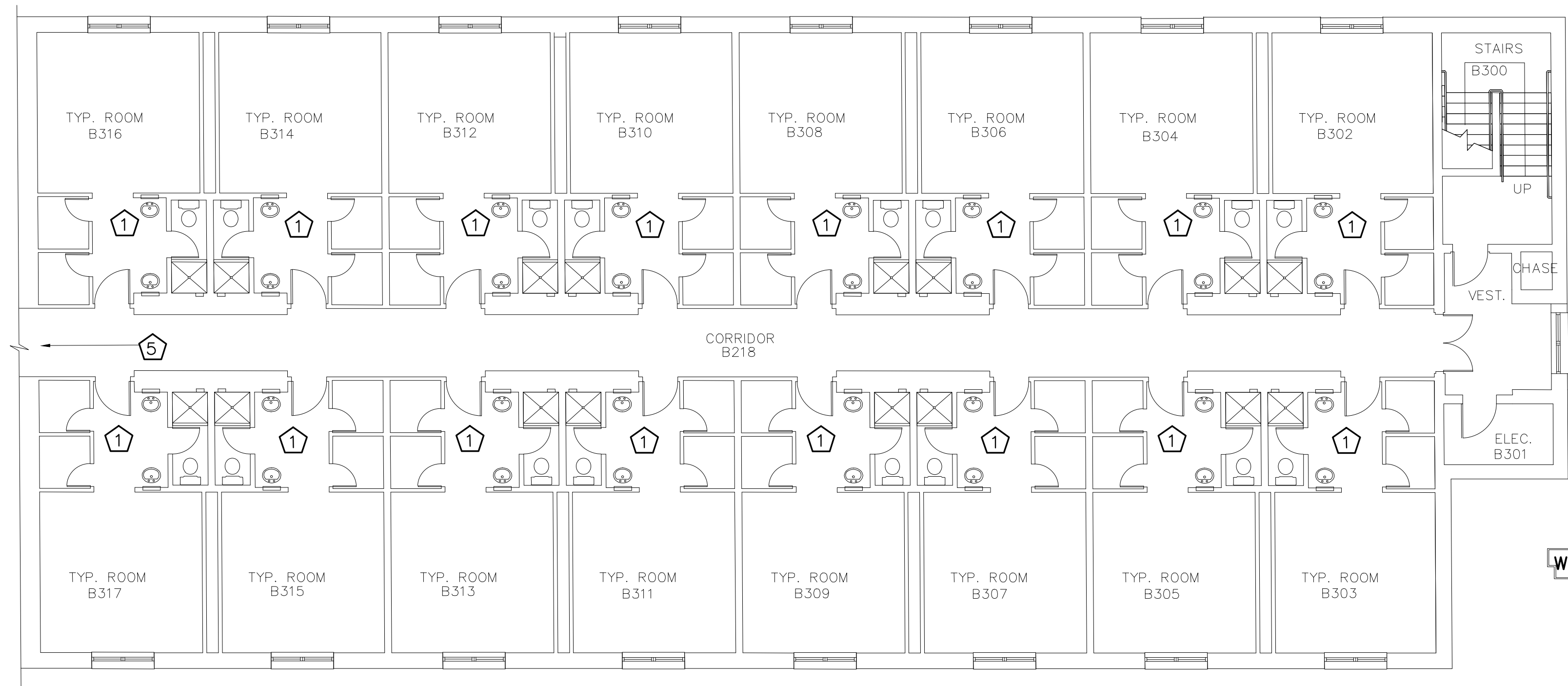


TYPICAL LIVING AREA NOTES
(REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS.)

1 SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.

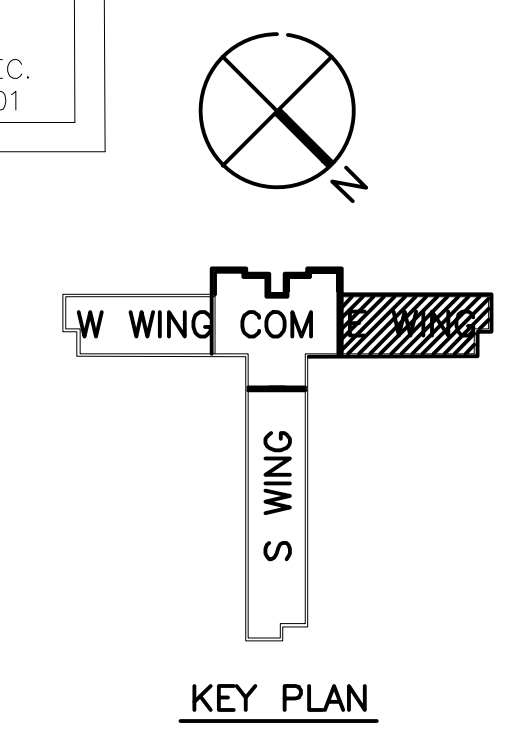
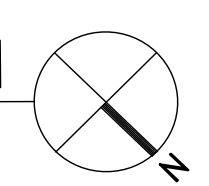
5 EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE KEESLER AIR FORCE BASE <small>MISSISSIPPI</small> AIR EDUCATION AND TRAINING COMMAND OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
<small>SUBMITTED:</small> A. MARASCA <small>(Chief of Contracts Design)</small>	<small>DESIGNED:</small> WILLIAMSON <small>DATE:</small> 12 OCT 2022	<small>RECOMMENDED:</small> G. REED <small>(Chief of Engineering)</small> <small>CHECKED:</small> G. REED <small>DATE:</small> 12 OCT 2022	<small>SCALE:</small> VARIES <small>PROJECT NUMBER:</small> MAHG15-1053 <small>FACILITY NUMBER:</small> 6955 <small>DRAWING NUMBER:</small> M201 <small>SHEET</small> 25 <small>OF</small> 36



NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

B-WING
SECOND FLOOR PLAN
 SCALE 1/8" = 1'-0"

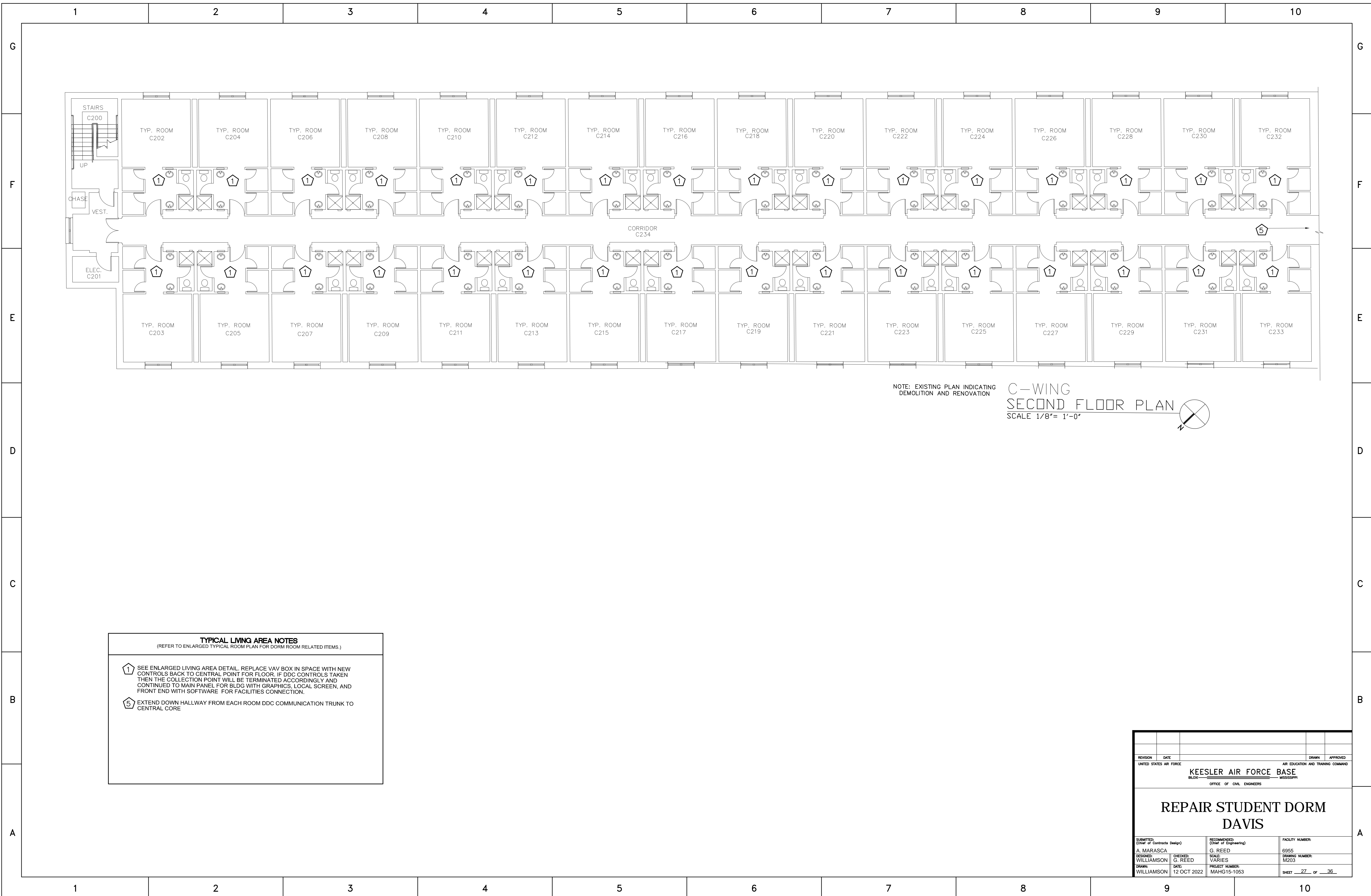


TYPICAL LIVING AREA NOTES
 (REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS.)

1 SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.

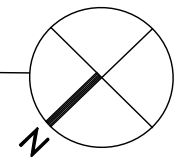
5 EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE KEESLER AIR FORCE BASE <small>MISSISSIPPI</small> AIR EDUCATION AND TRAINING COMMAND OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
<small>SUBMITTED:</small> A. MARASCA <small>(Chief of Contracts Design)</small>	<small>DESIGNED:</small> WILLIAMSON	<small>CHECKED:</small> G. REED	<small>DATE:</small> 12 OCT 2022
<small>RECOMMENDED:</small> G. REED <small>(Chief of Engineering)</small>	<small>SCALE:</small> VARIES	<small>PROJECT NUMBER:</small> MAHG15-1053	<small>FACILITY NUMBER:</small> 6955 <small>DRAWING NUMBER:</small> M202
<small>SHEET</small> 26 <small>OF</small> 36			<small>DATE:</small> 12 OCT 2022



NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

C-WING
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

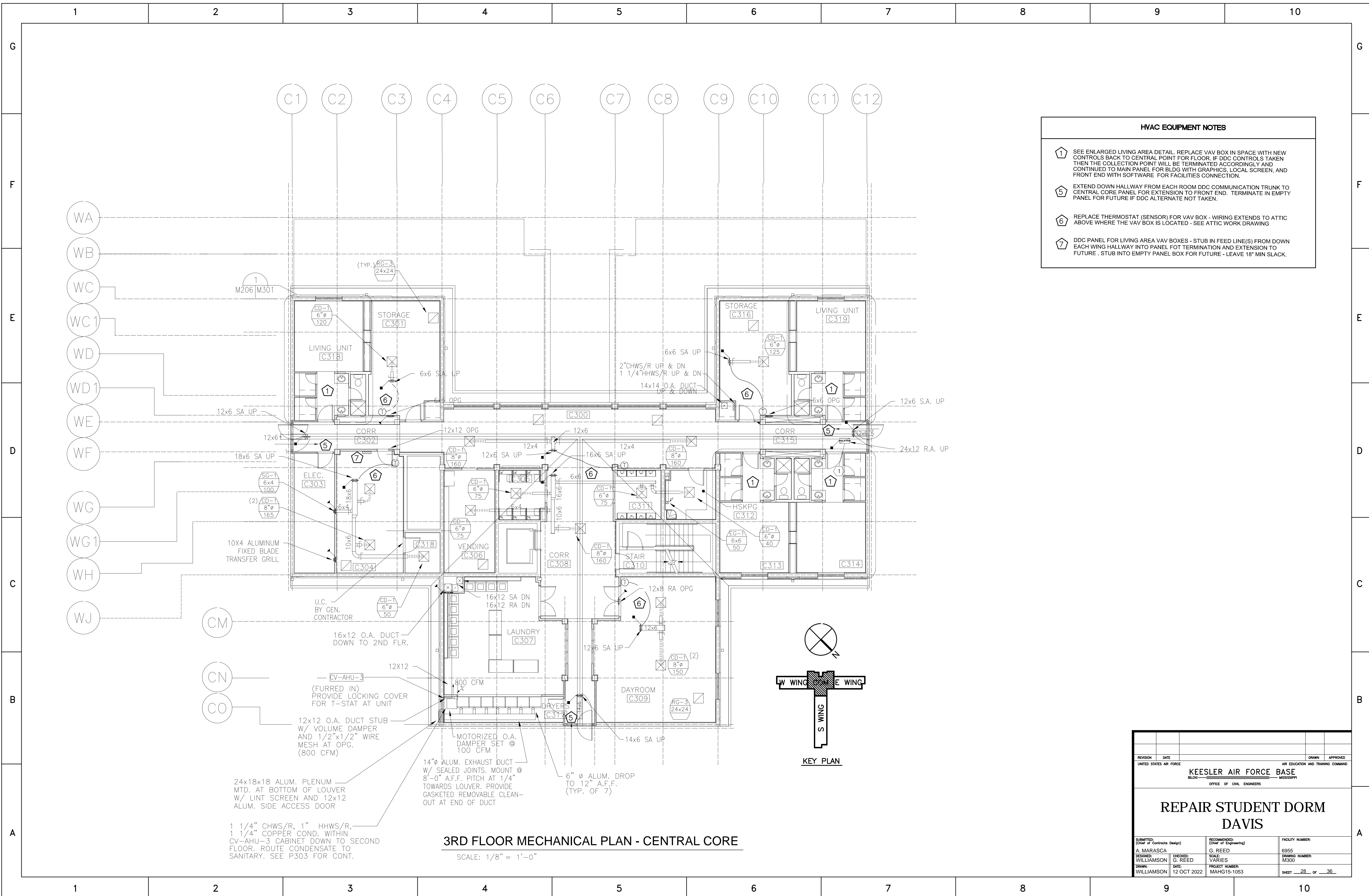


TYPICAL LIVING AREA NOTES
(REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS.)

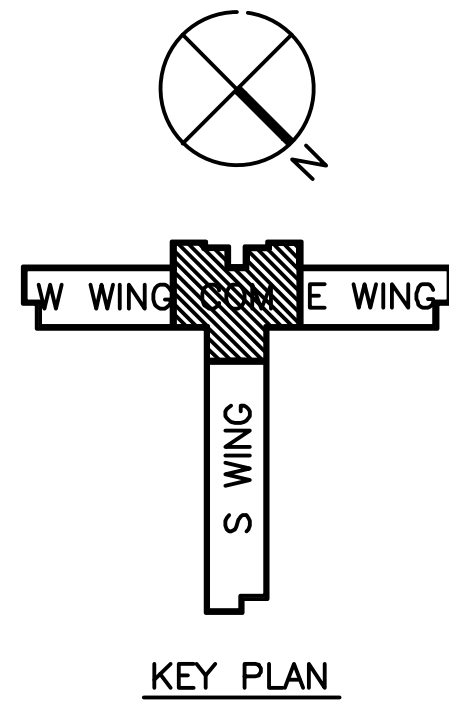
① SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.

⑤ EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
<small>MISSISSIPPI</small>			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: A. MARASCA DESIGNED: WILLIAMSON DRAWN: WILLIAMSON	CHECKED: G. REED DATE: 12 OCT 2022	RECOMMENDED: G. REED SCALE: VARIES PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955 DRAWING NUMBER: M203 SHEET 27 of 36



- HVAC EQUIPMENT NOTES**
- ① SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.
 - ⑤ EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE PANEL FOR EXTENSION TO FRONT END. TERMINATE IN EMPTY PANEL FOR FUTURE IF DDC ALTERNATE NOT TAKEN.
 - ⑥ REPLACE THERMOSTAT (SENSOR) FOR VAV BOX - WIRING EXTENDS TO ATTIC ABOVE WHERE THE VAV BOX IS LOCATED - SEE ATTIC WORK DRAWING
 - ⑦ DDC PANEL FOR LIVING AREA VAV BOXES - STUB IN FEED LINE(S) FROM DOWN EACH WING HALLWAY INTO PANEL FOR TERMINATION AND EXTENSION TO FUTURE. STUB INTO EMPTY PANEL BOX FOR FUTURE - LEAVE 18" MIN SLACK.

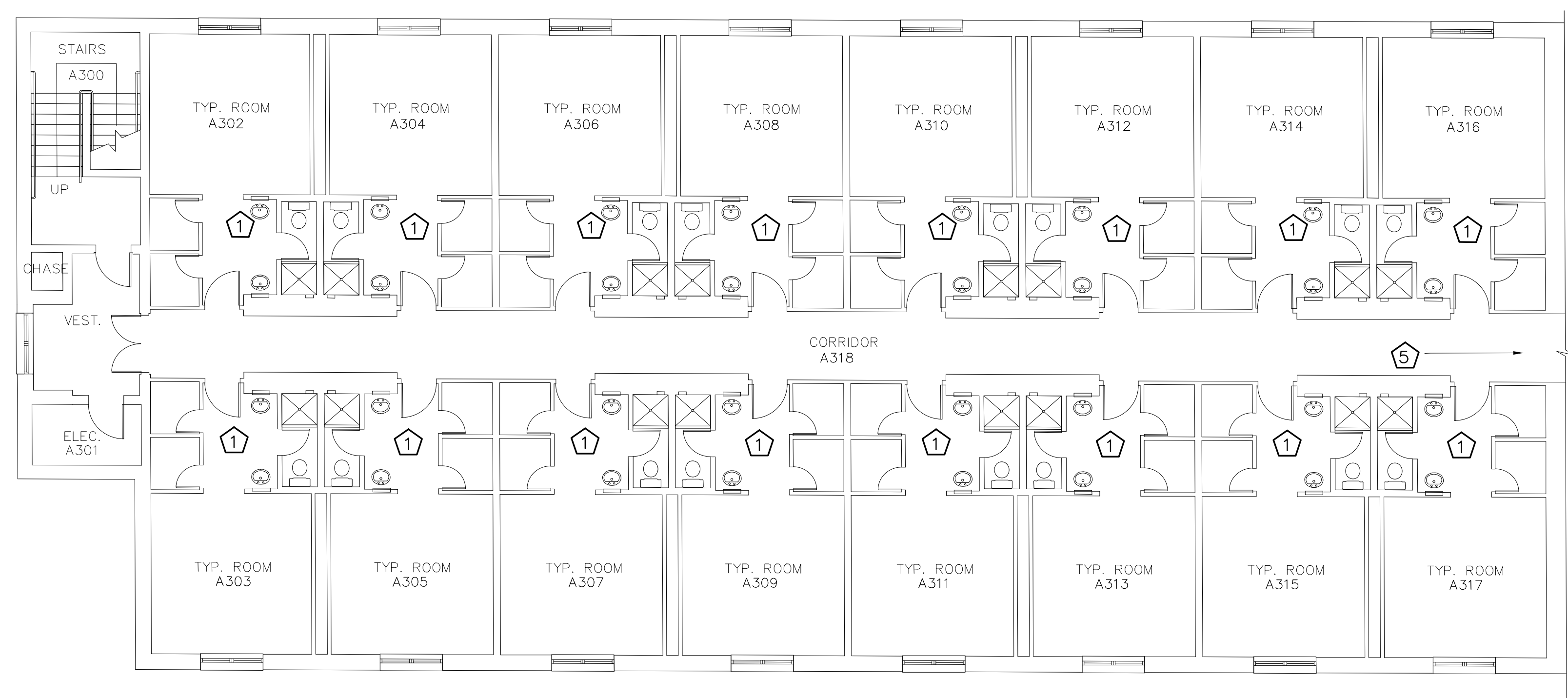


3RD FLOOR MECHANICAL PLAN - CENTRAL CORE
SCALE: 1/8" = 1'-0"

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
BLOOMINGTON, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: A. MARASCA (Chief of Contracts Design)		RECOMMENDED: G. REED (Chief of Engineering)	
DESIGNED: WILLIAMSON		CHECKED: G. REED	
DATE: 12 OCT 2022		PROJECT NUMBER: MAHG15-1053	
FACILITY NUMBER: 6955		DRAWING NUMBER: M300	
SHEET 28 OF 36			

1 2 3 4 5 6 7 8 9 10

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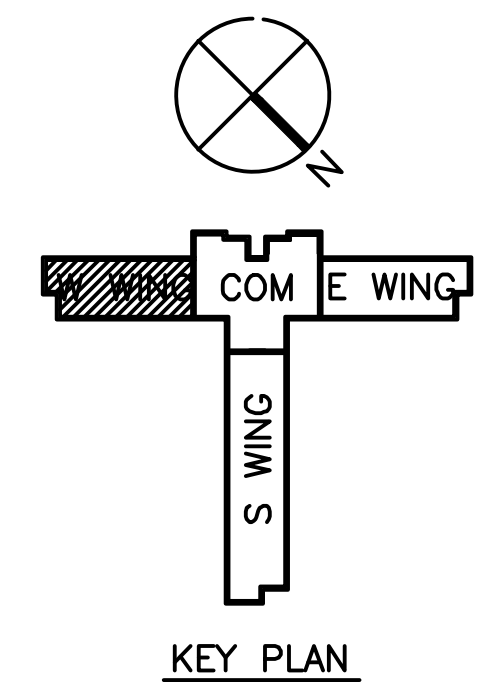
TYPICAL LIVING AREA NOTES
(REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS.)

1 SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.

5 EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE

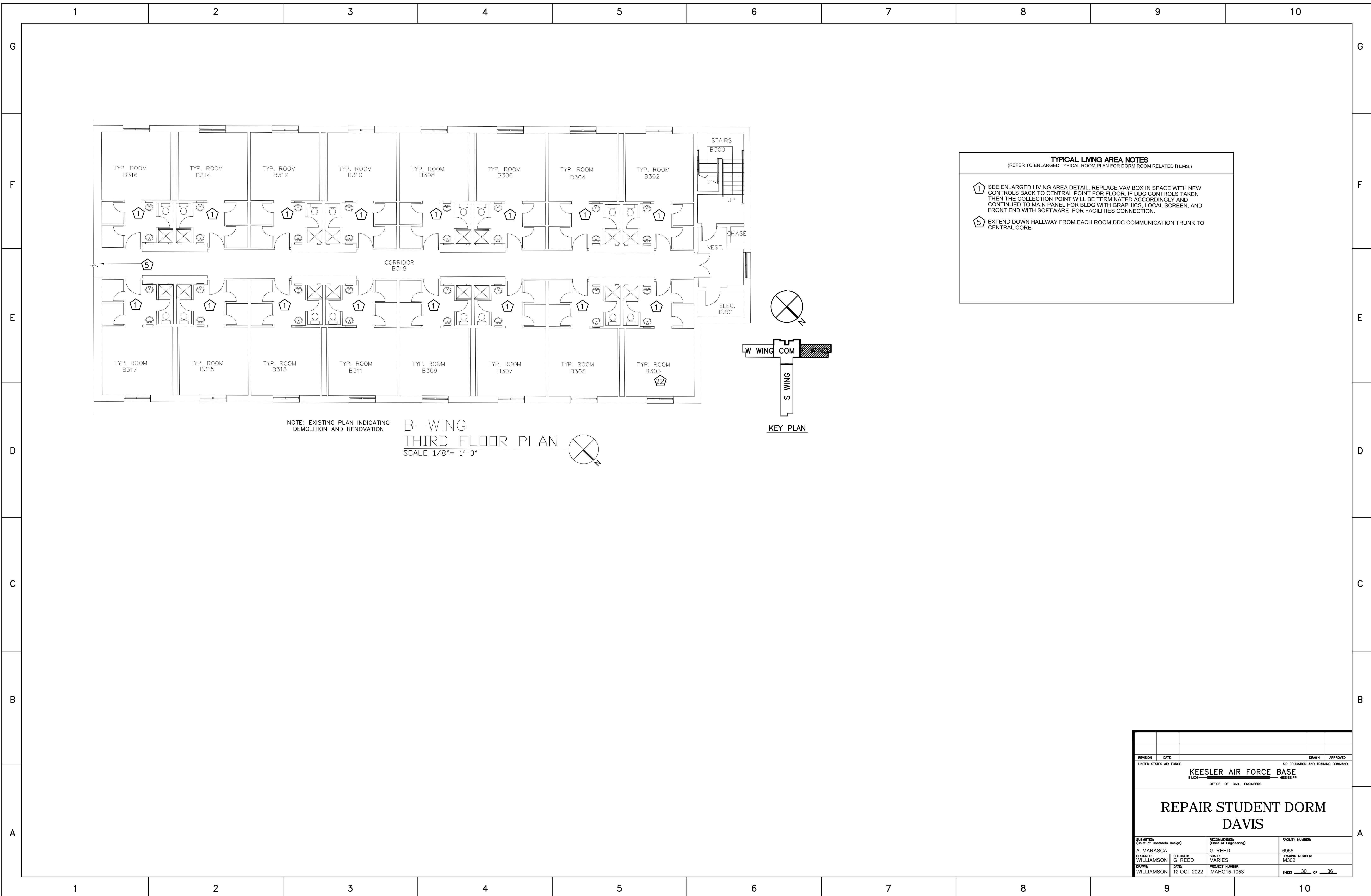
NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

**A-WING
THIRD FLOOR PLAN**
SCALE 1/8" = 1'-0"



REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE KEESLER AIR FORCE BASE <small>BLOOMINGVILLE, MISSISSIPPI</small> AIR EDUCATION AND TRAINING COMMAND OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
<small>SUBMITTED:</small> A. MARASCA <small>DESIGNED:</small> WILLIAMSON <small>DRAWN:</small> WILLIAMSON	<small>RECOMMENDED:</small> G. REED <small>CHECKED:</small> G. REED <small>DATE:</small> 12 OCT 2022	<small>SCALE:</small> VARIES <small>PROJECT NUMBER:</small> MAHG15-1053	<small>FACILITY NUMBER:</small> 6955 <small>DRAWING NUMBER:</small> M301 <small>SHEET</small> 29 <small>OF</small> 36

1 2 3 4 5 6 7 8 9 10



TYPICAL LIVING AREA NOTES
 (REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS.)

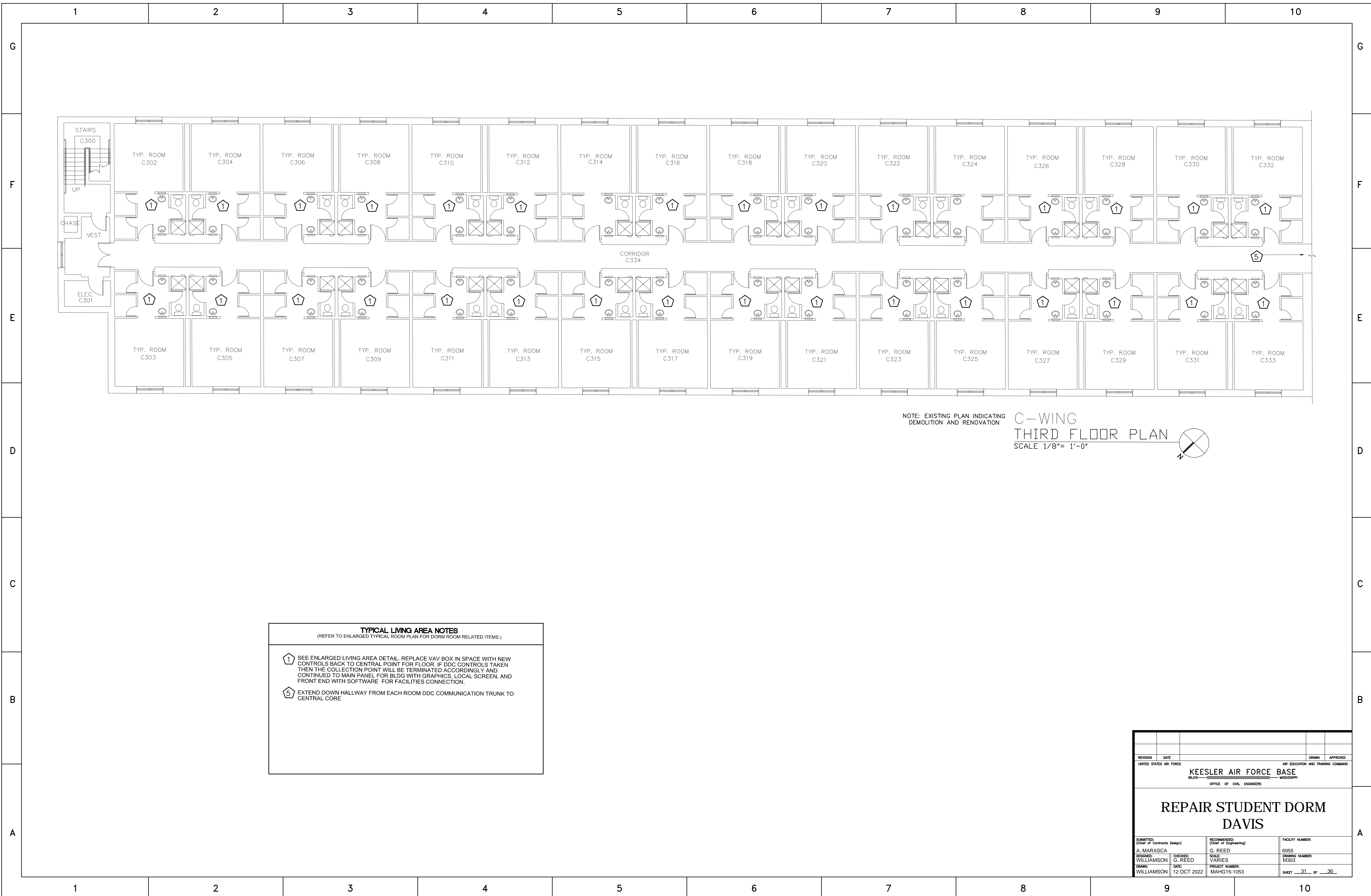
① SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.

⑤ EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE

NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

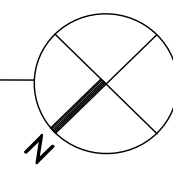
**B-WING
 THIRD FLOOR PLAN**
 SCALE 1/8" = 1'-0"

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
BLOWN UP MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: A. MARASCA DESIGNED: WILLIAMSON DRAWN: WILLIAMSON	RECOMMENDED: G. REED CHECKED: G. REED DATE: 12 OCT 2022	SCALE: VARIES PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955 DRAWING NUMBER: M302 SHEET <u>30</u> OF <u>36</u>



NOTE: EXISTING PLAN INDICATING DEMOLITION AND RENOVATION

C-WING
THIRD FLOOR PLAN
SCALE 1/8" = 1'-0"

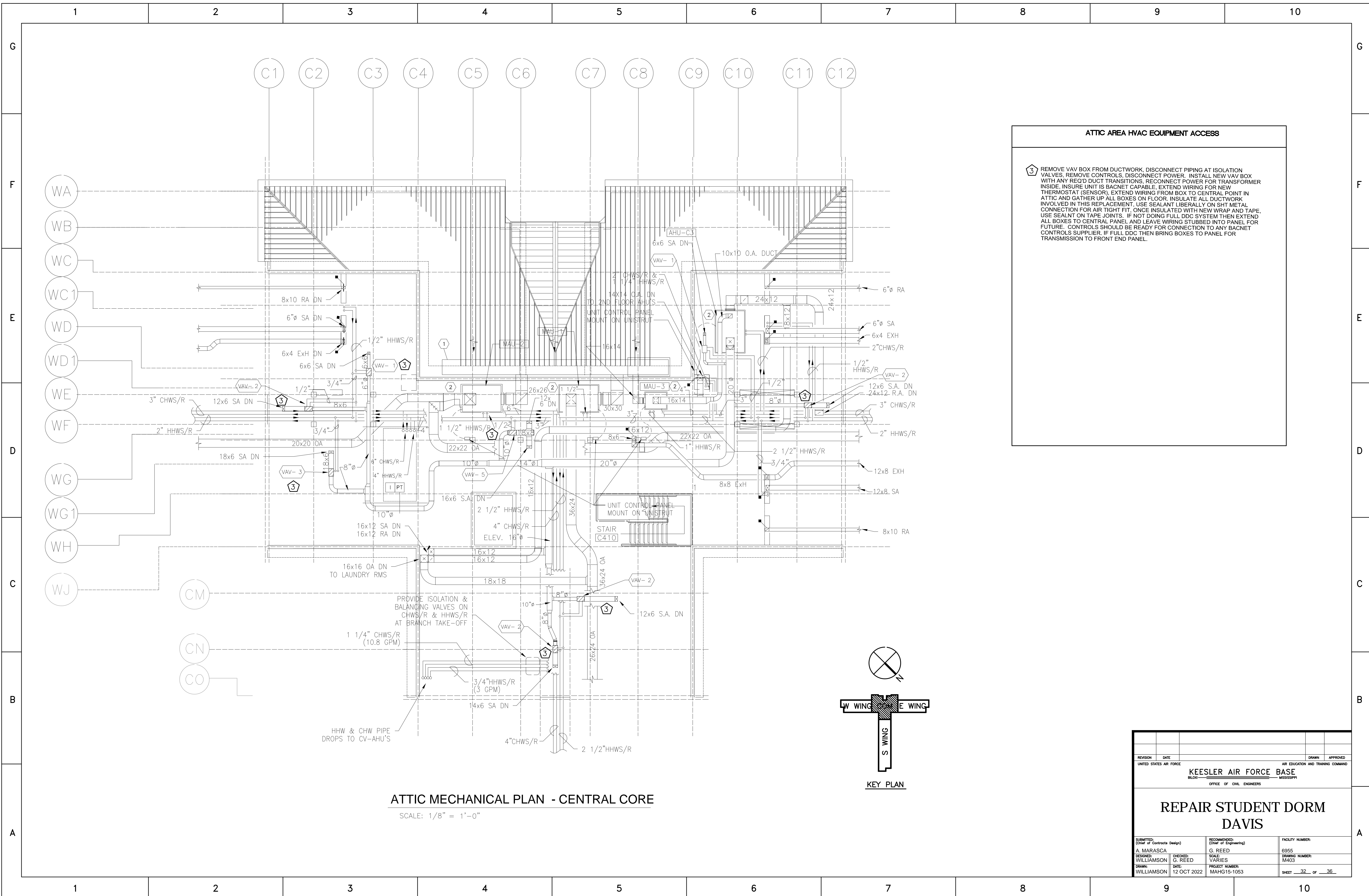


TYPICAL LIVING AREA NOTES
(REFER TO ENLARGED TYPICAL ROOM PLAN FOR DORM ROOM RELATED ITEMS.)

1 SEE ENLARGED LIVING AREA DETAIL. REPLACE VAV BOX IN SPACE WITH NEW CONTROLS BACK TO CENTRAL POINT FOR FLOOR. IF DDC CONTROLS TAKEN THEN THE COLLECTION POINT WILL BE TERMINATED ACCORDINGLY AND CONTINUED TO MAIN PANEL FOR BLDG WITH GRAPHICS, LOCAL SCREEN, AND FRONT END WITH SOFTWARE FOR FACILITIES CONNECTION.

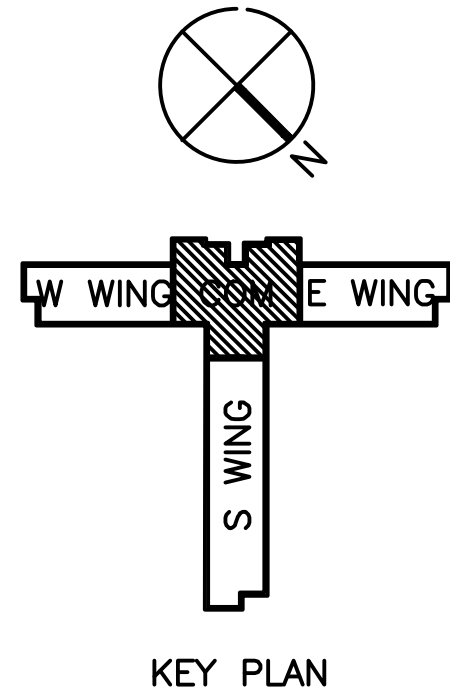
5 EXTEND DOWN HALLWAY FROM EACH ROOM DDC COMMUNICATION TRUNK TO CENTRAL CORE

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
<small>MISSISSIPPI</small>			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM			
DAVIS			
SUBMITTED: A. MARASCA (Chief of Contracts Design)	CHECKED: G. REED (Chief of Engineering)	SCALE: VARIES	FACILITY NUMBER: 6955
DESIGNED: WILLIAMSON	DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053	DRAWING NUMBER: M303
DRAWN: WILLIAMSON			SHEET <u>31</u> OF <u>36</u>



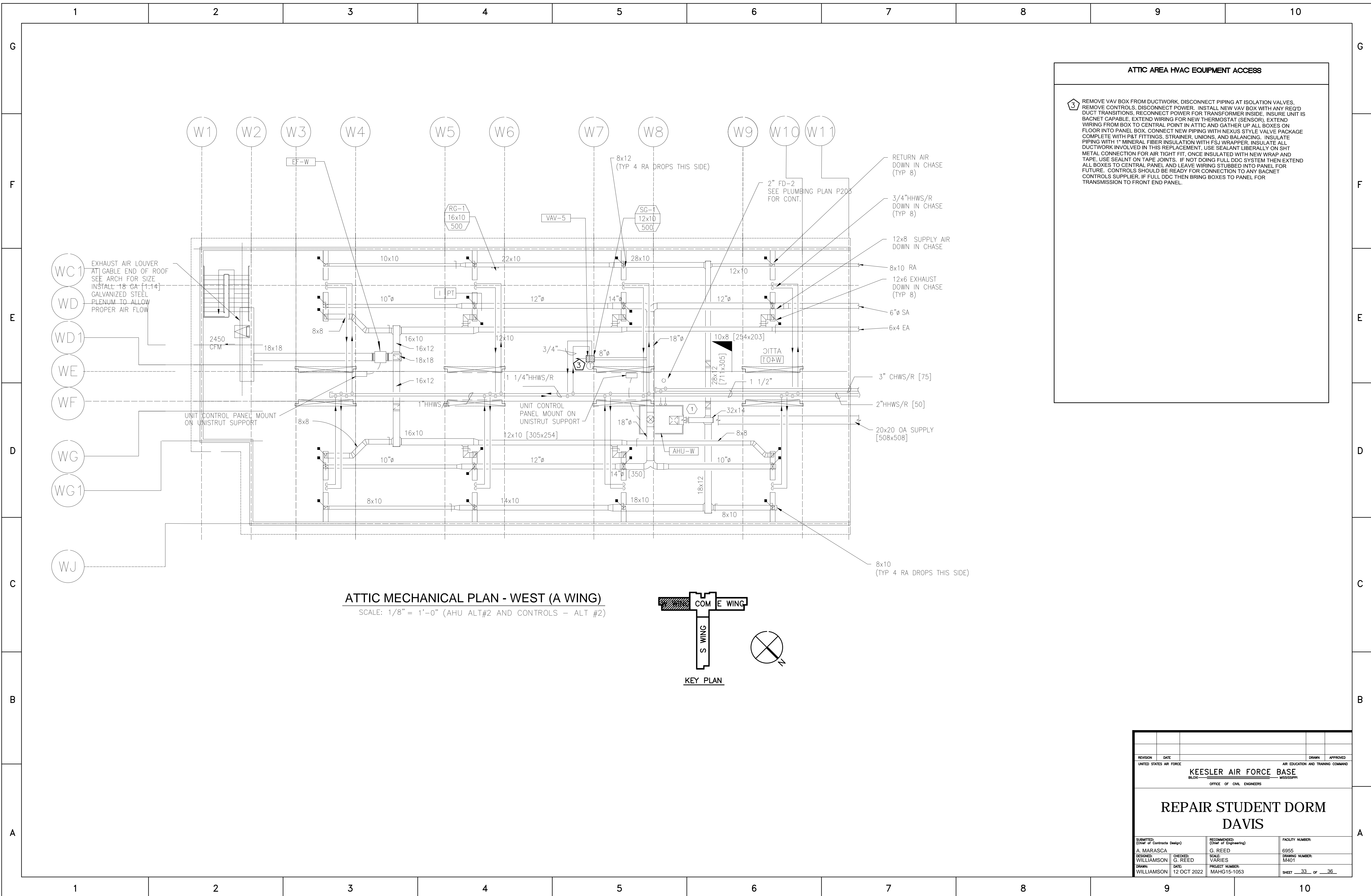
ATTIC AREA HVAC EQUIPMENT ACCESS

3 REMOVE VAV BOX FROM DUCTWORK, DISCONNECT PIPING AT ISOLATION VALVES, REMOVE CONTROLS, DISCONNECT POWER, INSTALL NEW VAV BOX WITH ANY REQ'D DUCT TRANSITIONS, RECONNECT POWER FOR TRANSFORMER INSIDE, INSURE UNIT IS BACNET CAPABLE, EXTEND WIRING FOR NEW THERMOSTAT (SENSOR), EXTEND WIRING FROM BOX TO CENTRAL POINT IN ATTIC AND GATHER UP ALL BOXES ON FLOOR, INSULATE ALL DUCTWORK INVOLVED IN THIS REPLACEMENT. USE SEALANT LIBERALLY ON SHT METAL CONNECTION FOR AIR TIGHT FIT, ONCE INSULATED WITH NEW WRAP AND TAPE, USE SEALANT ON TAPE JOINTS. IF NOT DOING FULL DDC SYSTEM THEN EXTEND ALL BOXES TO CENTRAL PANEL AND LEAVE WIRING STUBBED INTO PANEL FOR FUTURE. CONTROLS SHOULD BE READY FOR CONNECTION TO ANY BACNET CONTROLS SUPPLIER, IF FULL DDC THEN BRING BOXES TO PANEL FOR TRANSMISSION TO FRONT END PANEL.

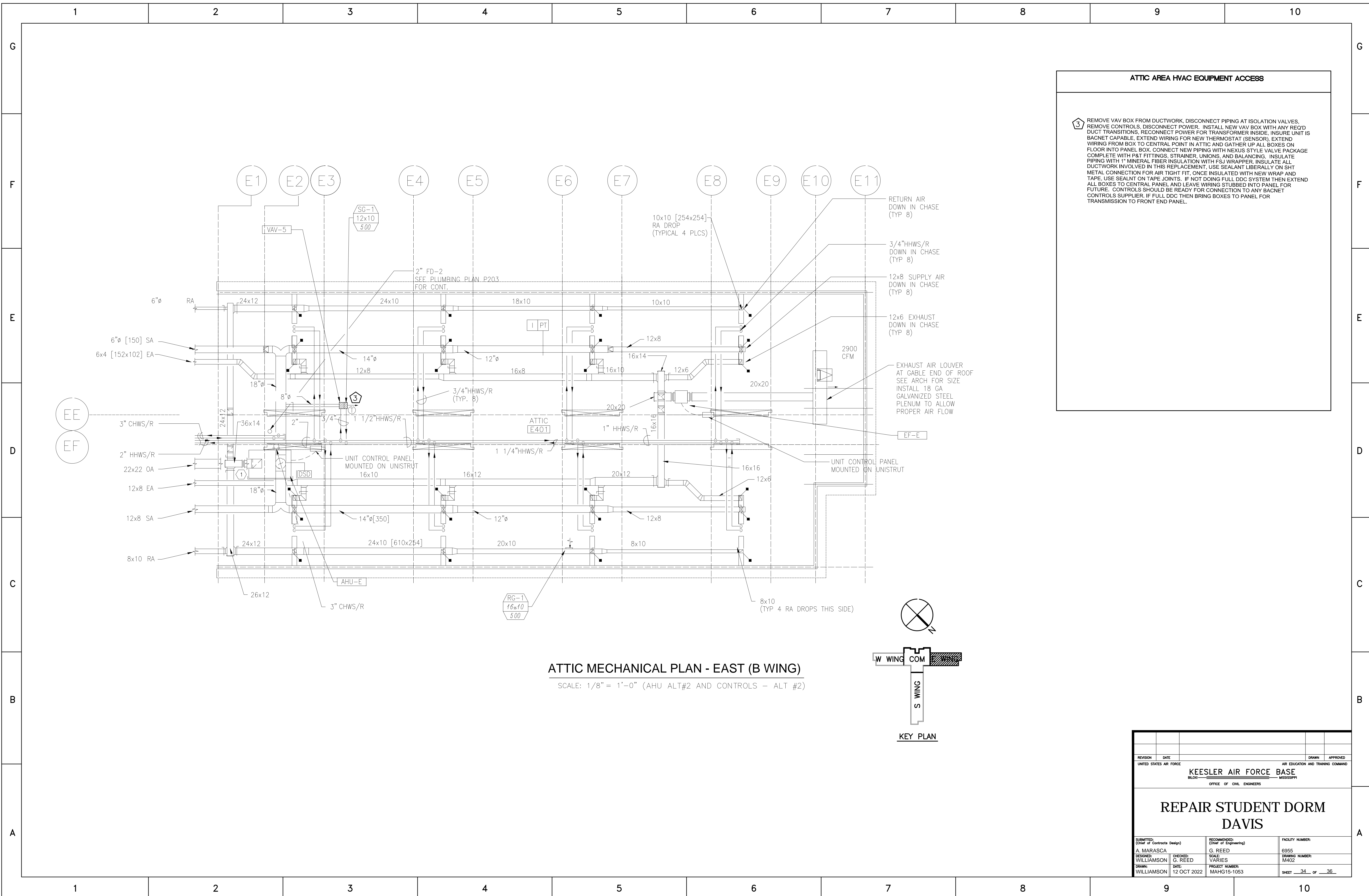


ATTIC MECHANICAL PLAN - CENTRAL CORE
SCALE: 1/8" = 1'-0"

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE KEESLER AIR FORCE BASE BLOOMINGVILLE, MISSISSIPPI OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: A. MARASCA Chief of Controls Design	DESIGNED: WILLIAMSON	CHECKED: G. REED	DATE: 12 OCT 2022
RECOMMENDED: G. REED Chief of Engineering	SCALE: VARIES	PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955
DRAWING NUMBER: M403			SHEET <u>32</u> OF <u>36</u>



REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE AIR EDUCATION AND TRAINING COMMAND			
KEESLER AIR FORCE BASE BLOOMINGTON, MISSISSIPPI OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: A. MARASCA (Chief of Contracts Design)	DESIGNED: WILLIAMSON	CHECKED: G. REED	DATE: 12 OCT 2022
RECOMMENDED: G. REED (Chief of Engineering)	SCALE: VARIES	PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955
DRAWING NUMBER: M401		SHEET 33 of 36	

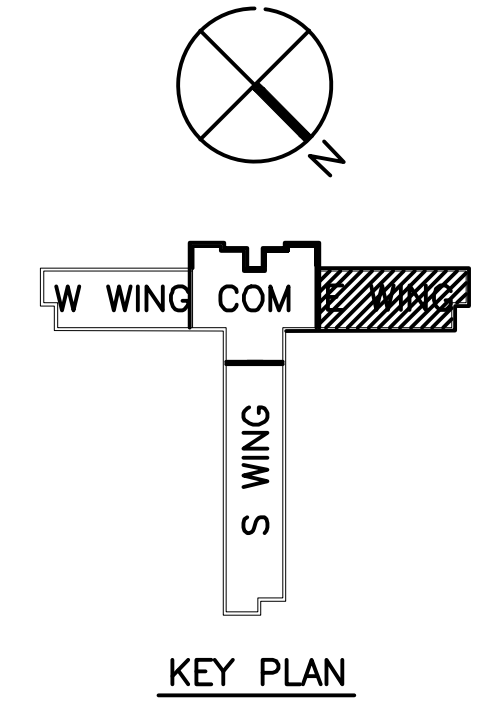


ATTIC AREA HVAC EQUIPMENT ACCESS

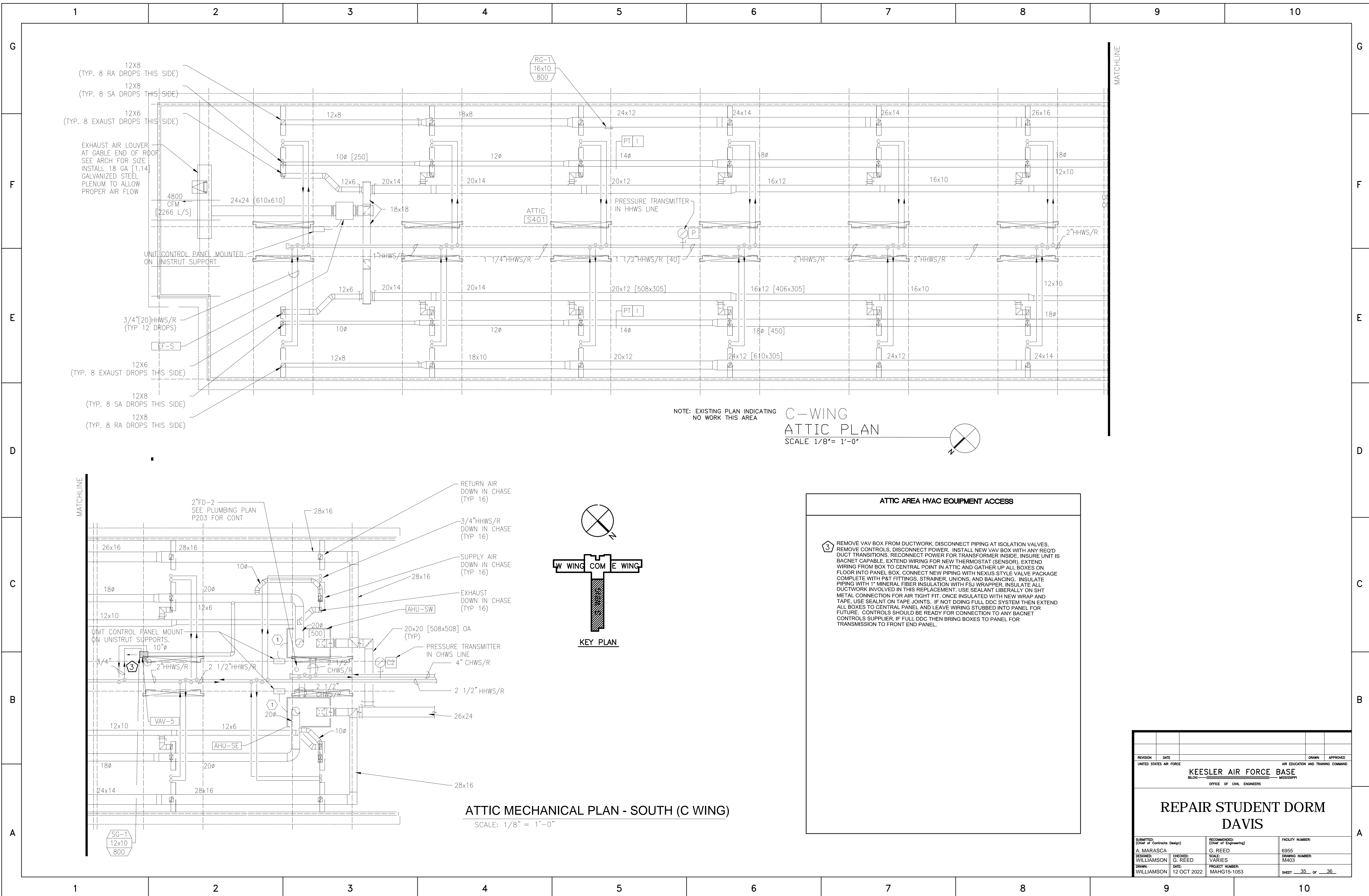
3 REMOVE VAV BOX FROM DUCTWORK, DISCONNECT PIPING AT ISOLATION VALVES. REMOVE CONTROLS, DISCONNECT POWER. INSTALL NEW VAV BOX WITH ANY REQ'D DUCT TRANSITIONS, RECONNECT POWER FOR TRANSFORMER INSIDE. INSURE UNIT IS BAGNET CAPABLE, EXTEND WIRING FOR NEW THERMOSTAT (SENSOR), EXTEND WIRING FROM BOX TO CENTRAL POINT IN ATTIC AND GATHER UP ALL BOXES ON FLOOR INTO PANEL BOX. CONNECT NEW PIPING WITH NEXUS STYLE VALVE PACKAGE COMPLETE WITH P&T FITTINGS, STRAINER, UNIONS, AND BALANCING. INSULATE ALL PIPING WITH 1" MINERAL FIBER INSULATION WITH FSJ WRAPPER. INSULATE ALL DUCTWORK INVOLVED IN THIS REPLACEMENT. USE SEALANT LIBERALLY ON SHT METAL CONNECTION FOR AIR TIGHT FIT, ONCE INSULATED WITH NEW WRAP AND TAPE. USE SEALNT ON TAPE JOINTS. IF NOT DOING FULL DDC SYSTEM THEN EXTEND ALL BOXES TO CENTRAL PANEL AND LEAVE WIRING STUBBED INTO PANEL FOR FUTURE. CONTROLS SHOULD BE READY FOR CONNECTION TO ANY BAGNET CONTROLS SUPPLIER. IF FULL DDC THEN BRING BOXES TO PANEL FOR TRANSMISSION TO FRONT END PANEL.

ATTIC MECHANICAL PLAN - EAST (B WING)

SCALE: 1/8" = 1'-0" (AHU ALT#2 AND CONTROLS - ALT #2)



REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE			
KEESLER AIR FORCE BASE			
BLOOMINGTON, MISSISSIPPI			
OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM			
DAVIS			
SUBMITTED: A. MARASCA DESIGNED: WILLIAMSON DRAWN: WILLIAMSON	CHECKED: G. REED DATE: 12 OCT 2022	RECOMMENDED: (Chief of Engineering) G. REED SCALE: VARIES PROJECT NUMBER: MAHG15-1053	FACILITY NUMBER: 6955 DRAWING NUMBER: M402 SHEET 34 of 36



**C-WING
ATTIC PLAN**
SCALE 1/8" = 1'-0"

ATTIC MECHANICAL PLAN - SOUTH (C WING)
SCALE: 1/8" = 1'-0"

ATTIC AREA HVAC EQUIPMENT ACCESS

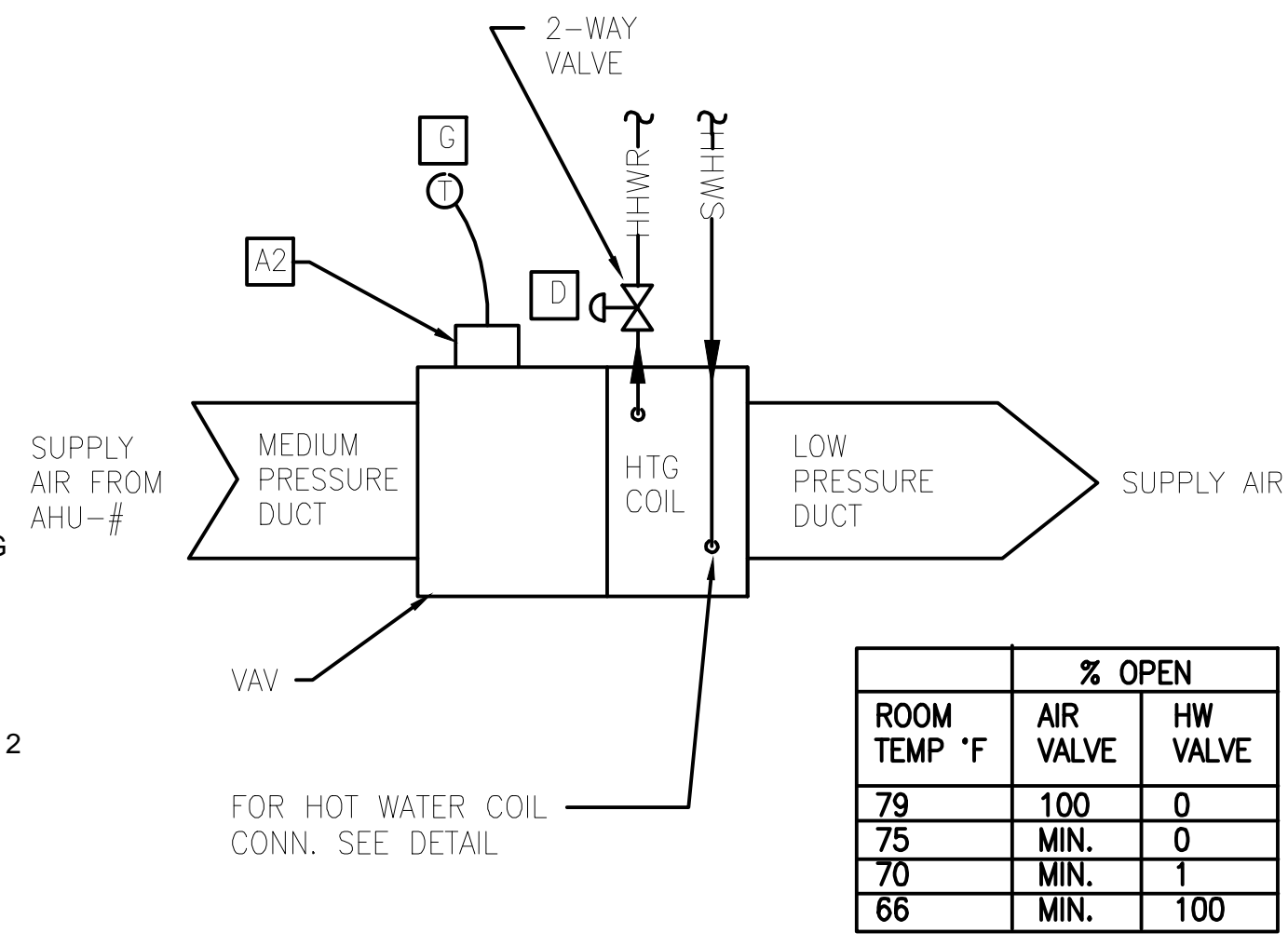
3 REMOVE VAV BOX FROM DUCTWORK, DISCONNECT PIPING AT ISOLATION VALVES, REMOVE CONTROLS, DISCONNECT POWER. INSTALL NEW VAV BOX WITH ANY REQ'D DUCT TRANSITIONS, RECONNECT POWER FOR TRANSFORMER INSIDE. INSURE UNIT IS BAGNET CAPABLE. EXTEND WIRING FOR NEW THERMOSTAT (SENSOR), EXTEND WIRING FROM BOX TO CENTRAL POINT IN ATTIC AND GATHER UP ALL BOXES ON FLOOR INTO PANEL BOX. CONNECT NEW PIPING WITH NEXUS STYLE VALVE PACKAGE COMPLETE WITH P&T FITTINGS, STRAINER, UNIONS, AND BALANCING. INSULATE PIPING WITH 1" MINERAL FIBER INSULATION WITH FSJ WRAPPER. INSULATE ALL DUCTWORK INVOLVED IN THIS REPLACEMENT. USE SEALANT LIBERALLY ON SHIT METAL CONNECTION FOR AIR TIGHT FIT, ONCE INSULATED WITH NEW WRAP AND TAPE. USE SEALNT ON TAPE JOINTS. IF NOT DOING FULL DDC SYSTEM THEN EXTEND ALL BOXES TO CENTRAL PANEL AND LEAVE WIRING STUBBED INTO PANEL FOR FUTURE. CONTROLS SHOULD BE READY FOR CONNECTION TO ANY BAGNET CONTROLS SUPPLIER. IF FULL DDC THEN BRING BOXES TO PANEL FOR TRANSMISSION TO FRONT END PANEL.

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE KEESLER AIR FORCE BASE <small>BLOOMINGVILLE MISSISSIPPI</small> OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
<small>SUBMITTED:</small> A. MARASCA <small>DESIGNED:</small> WILLIAMSON <small>DRAWN:</small> WILLIAMSON	<small>RECOMMENDED:</small> G. REED <small>CHECKED:</small> G. REED <small>DATE:</small> 12 OCT 2022	<small>SCALE:</small> VARIES <small>PROJECT NUMBER:</small> MAHG15-1053	<small>FACILITY NUMBER:</small> 6955 <small>DRAWING NUMBER:</small> M403 <small>SHEET</small> 35 <small>OF</small> 36

VAV BOXES

OCCUPIED MODE: WHEN THE ROOM OR ZONE AIR TEMPERATURE RISES TO ABOVE SETPOINT, THE VAV AIR VALVE MODULATES OPEN TO MAINTAIN THE SPACE TEMPERATURE. WHEN THE ROOM OR ZONE AIR DROPS BELOW THE SETPOINT, THE VAV AIR VALVE SHALL CLOSE. WHEN THE VAV AIR VALVE IS AT MINIMUM POSITION, THE HEATING VALVE SHALL MODULATE OPEN.

CONTROLS
EACH ROOM/ZONE THERMOSTAT SHALL BE ADJUSTABLE BY THE OCCUPANT TO WITHIN A 2 DEGREE RANGE OF THE DDC SETPOINT. THE SETPOINT, AND THE SIZE OF THE LIMITED RANGE SHALL BE ESTABLISHED AT THE FRONT END.



ROOM TEMP °F	% OPEN	
	AIR VALVE	HW VALVE
79	100	0
75	MIN.	0
70	MIN.	1
66	MIN.	100

VAV CONTROL SCHEMATIC
SCALE: NONE

REVISION	DATE	DRAWN	APPROVED
UNITED STATES AIR FORCE KEESLER AIR FORCE BASE BLOOMINGVILLE, MISSISSIPPI OFFICE OF CIVIL ENGINEERS			
REPAIR STUDENT DORM DAVIS			
SUBMITTED: A. MARASCA (Chief of Contracts Design)	RECOMMENDED: G. REED (Chief of Engineering)	FACILITY NUMBER: 6955	
DESIGNED: WILLIAMSON	CHECKED: G. REED	SCALE: VARIES	DRAWING NUMBER: M600
DATE: 12 OCT 2022	PROJECT NUMBER: MAHG15-1053	SHEET <u>36</u> OF <u>36</u>	