Gunter
811
AS/BUILTS

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STATE OF ALABAMA
2289
JAMES G. RICHARDSON
REGISTERED ARCHITECT

REVISIONS

REV	DATE	DESCRIPTION	SYM	APRV'D

SHEETS
SHEETNVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
EUROBRAVO CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

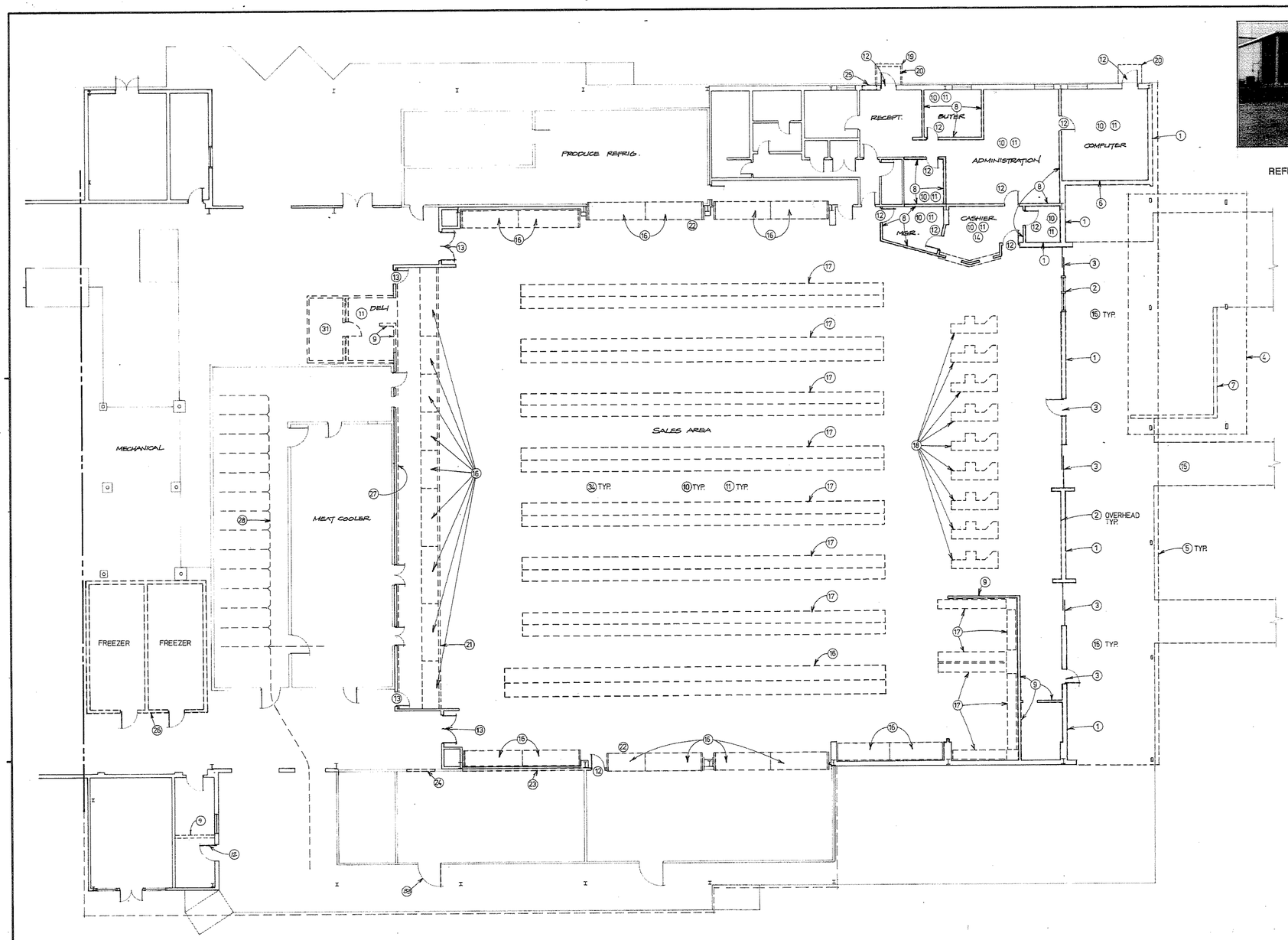
TITLE
ADDITION/ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
INDEX TO DRAWINGS

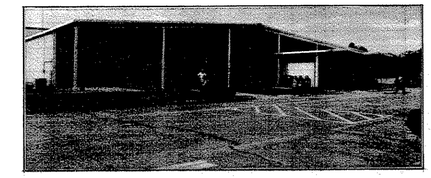
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
DSN/O AGENCY	CHIEF ENGR BR	MSGC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY RA	CHECKED BY RA	SCALE NTS	DATE 5/16/90
DRAWN BY RA	PROJECT NO JUBJ880701	SHEET 2 OF 65	DRAWING NO 000811-9001

T1.2

SHELTON BLUEPRINT & SUPPLY 'ED 334-444



PARTIAL DEMOLITION PLAN PART 'A'
1/8"=1'-0"



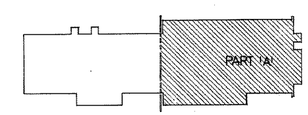
REFERENCE PHOTO OF EXISTING EAST ENTRANCE

DEMOLITION PLAN NOTES

1. REMOVE CMU AND BRICK WALL IN ITS ENTIRETY. PROTECT STRUCTURE FROM DAMAGE.
2. REMOVE ALUMINUM STOREFRONT AND GLASS.
3. REMOVE ALUMINUM & GLASS DOOR & FRAME.
4. REMOVE METAL CANOPY, COLUMNS, AND COLUMN FOOTINGS.
5. REMOVE METAL COVERED PORCH, COLUMNS AND COLUMN FOOTINGS.
6. REMOVE METAL PANEL AND CMU WALL.
7. REMOVE BRICK WALL.
8. REMOVE PLASTER VENEERED CMU PARTITIONS.
9. REMOVE GYPSUM BOARD PARTITION.
10. VINYL ASBESTOS TILE TO BE REMOVED BY GUNTER AIR FORCE BASE *
11. REMOVE SUSPENDED LAY-IN ACOUSTICAL CEILING TILE.
12. REMOVE DOOR(S) AND HOLLOW METAL FRAME.
13. REMOVE "ELIASON" TYPE DOORS. FRAME TO REMAIN.
14. REMOVE CASHIERS COUNTER AND RELATED WINDOWWALL.
15. REMOVE EXTERIOR SIDEWALK PAVING.
16. REMOVE REFRIGERATED CASE FIXTURES IN THEIR ENTIRETY.
17. REMOVE DISPLAY FIXTURES IN THEIR ENTIRETY.
18. REMOVE CHECKOUT STANDS AND UTILITY CONNECTIONS.
19. REMOVE DOOR CANOPY.
20. REMOVE CONCRETE PAD.
21. REMOVE TIMBERED "WOOD" SOFFIT AND FASCIA OVER MEAT COUNTER.
22. REMOVE ALL DECOR AND SIGNAGE OVER DISPLAY UNITS.
23. REMOVE GYPSUM BOARD PARTITION AS REQUIRED FOR INSTALLATION OF NEW WALL FIXTURE.
24. REMOVE GYPSUM BOARD PARTITION AS REQUIRED FOR INSTALLATION ON NEW DOOR.
25. REMOVE METAL WALL AS REQUIRED FOR INSTALLATION OF NEW DOOR.
26. REMOVE DOUBLE FREEZER UNIT IN ITS ENTIRETY.
27. REMOVE PLASTER WALL FINISH. STEEL STUD FRAMING TO REMAIN.
28. REMOVE MEAT RAIL SYSTEM.
29. NOT USED.
30. CUT INTERIOR OF TOILET ROOM OF ALL FLOOR WALL AND CEILING FINISHES.
31. REMOVE WALK IN COOLER UNIT IN ITS ENTIRETY
32. NOT USED.
33. REMOVE INSULATED DOOR & FRAME.
34. REMOVE ALL CEILING HUNG DECOR (PRODUCT ID PANELS, ETC.)

* ADVISE CONTRACT OFFICER 28 DAYS PRIOR TO VINYL ASBESTOS TILE REMOVAL REQUIREMENT.

NOTE: DEMOLITION NOTES ALSO REFERS TO RELATED ITEMS ON SHEET A1.2 "PARTIAL DEMOLITION PLAN PART B"



KEY PLAN

REFERENCE PHOTO ORIENTATION

A1.1

SAFETY	
BIOENVIRONMENTAL	
FIRE PROTECTION	
FIRE PROT. ENG.	
CORROSION CONTROL	

REV.	DATE	DESCRIPTION	SYM.	APPR'D

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: PARTIAL DEMOLITION PLAN PART 'A'

STATE OF ALABAMA — 2268 JAMES G. RICHARDSON — REGISTERED ARCHITECT

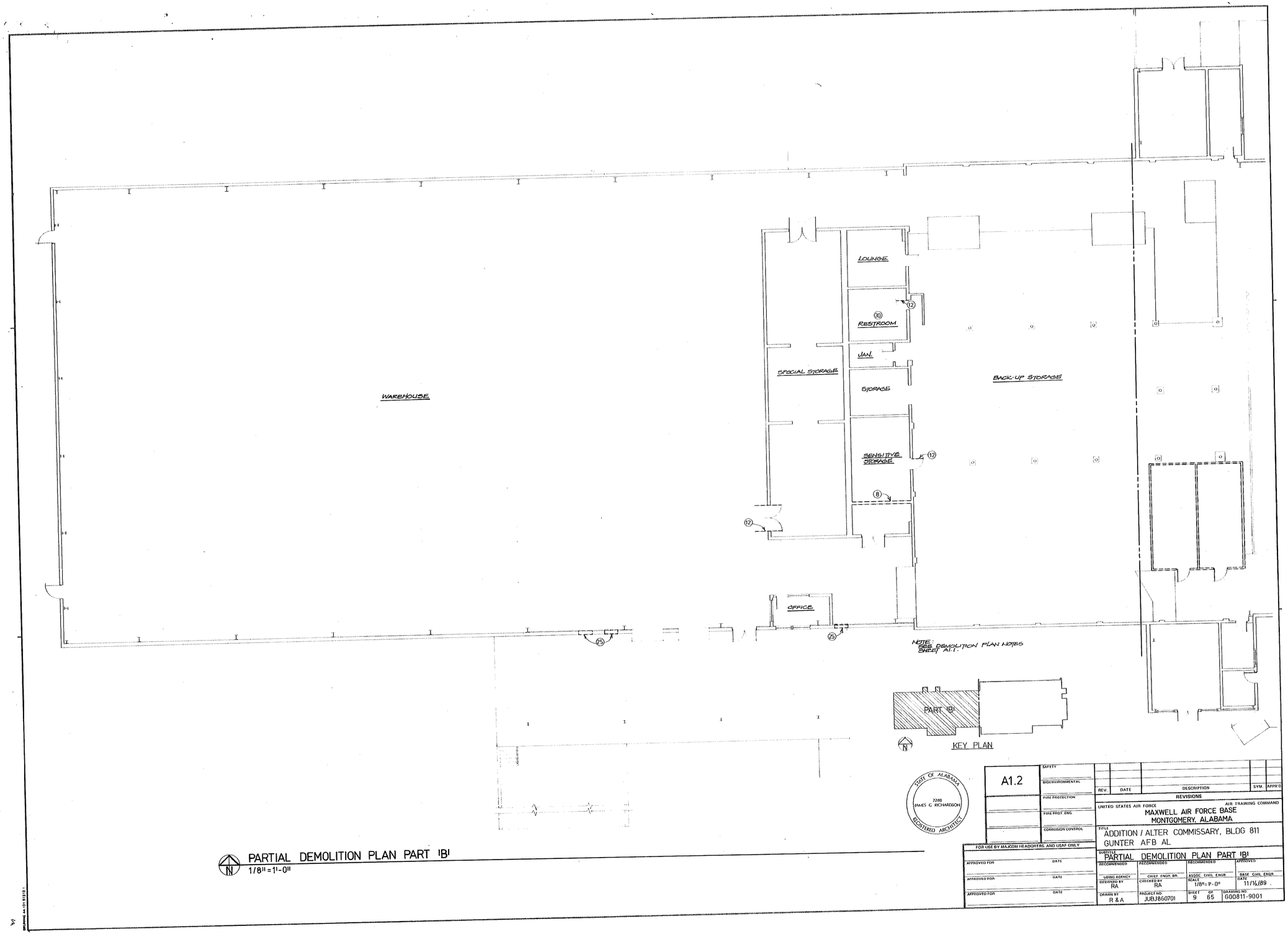
FOR USE BY MAJCOM HEADQRTRS. AND USAF ONLY

APPROVED FOR	DATE
APPROVED FOR	DATE
APPROVED FOR	DATE

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF, ENGR. BR.	ASSOC. CIVIL ENGR.	BASE CIVIL ENGR.

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	1/8"=1'-0"	11/14/89

DRAWN BY	PROJECT NO.	SHEET OF	DRAWING NO.
R & A	JUBJ860701	8 65	500811-9001



PARTIAL DEMOLITION PLAN PART 'B'
1/8" = 1'-0"

A1.2	SAFETY
	BIOENVIRONMENTAL
	FIRE PROTECTION
	FIRE PROT. ENG.
	CORROSION CONTROL

FOR USE BY MAJCOM HEADQRTRS. AND USAF ONLY

APPROVED FOR — DATE

APPROVED FOR — DATE

APPROVED FOR — DATE

REV.	DATE	DESCRIPTION	SYM.	APPR'D

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

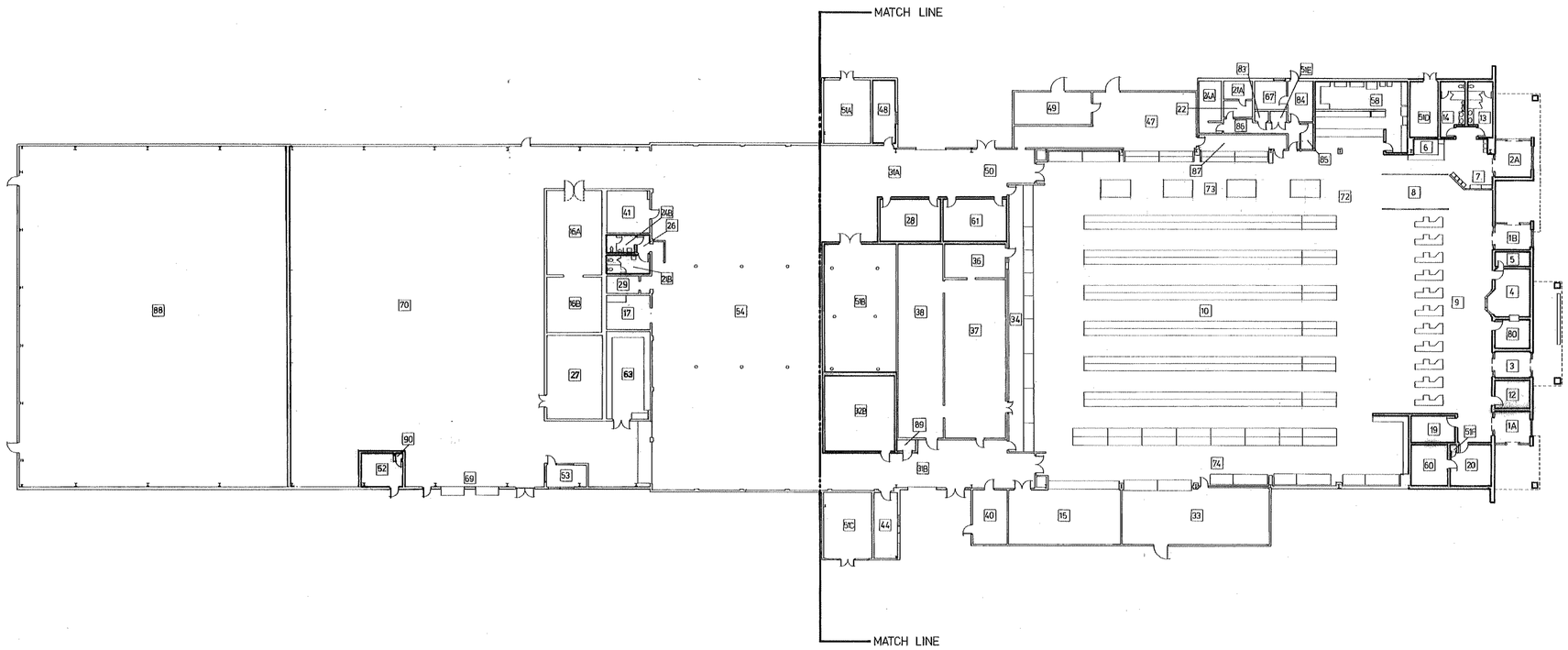
SUBTITLE: PARTIAL DEMOLITION PLAN PART 'B'

RECOMMENDED — RECOMMENDED — RECOMMENDED — APPROVED

USING AGENCY — CHIEF, ENGR. BR. — ASSOC. CIVIL ENGR. — BASE CIVIL ENGR.

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	1/8" = 1'-0"	11/16/89

DRAWN BY	PROJECT NO.	SHEET	OF	DRAWING NO.
R & A	JUBJ860701	9	65	G00811-9001



KEY FLOOR PLAN

1/16" = 1'-0"

ROOM SCHEDULE

1A	EXIT VESTIBULE	22	WOMEN'S LOCKER ROOM	51D	MECHANICAL ROOM
1B	EXIT VESTIBULE	24A	MEN'S RESTROOM EMPLOYEE	51E	MECHANICAL ROOM
		24B	MEN'S RESTROOM EMPLOYEE	51F	MECHANICAL ROOM
2A	ENTRY VESTIBULE	26	EMPLOYEE TOILET VESTIBULE	52	MED. FOOD INSPECTION OFFICE
		27	MAIN SUPPLY STORAGE	53	WAREHOUSE MANAGER OFFICE
3	CARRY OUT RETURN VESTIBULE	28	BREAKROOM	54	SEMI-PERISHABLE STORAGE
4	CASHIER'S OFFICE	29	MAIN JANITOR CLOSET	58	BAKERY WORKROOM
5	SAFE ROOM	31A	CORRIDOR	60	ADP SCANNING
6	CUSTOMER SERVICE	31B	CORRIDOR	61	TRAINING ROOM
7	PATRON WAITING/CHECK WRITING			63	CONTRACT STOCK
8	CART STORAGE	32B	FROZEN FOOD STORAGE	67	GROCERY MANAGER OFFICE
9	CHECK-OUT/QUEUING	33	DAIRY STORAGE/PROCESS	69	RECEIVING
10	SALES	34	MEAT RESTOCKING	70	STAGING
		36	WRAPPED MEAT HOLDING	72	MASS DISPLAY
12	CUSTOMER SERVICE OFFICE	37	MEAT PROCESSING	73	PRODUCE DISPLAY
13	WOMEN'S RESTROOM	38	BEEF CARCASE STORAGE	74	DAIRY DISPLAY
14	MEN'S RESTROOM	40	PRE-PAK MEATS	80	CASH COUNT ROOM
15	SENSITIVE STORAGE	41	SMALL SUPPLY STORAGE		
16A	CONTROLLED TEMPERATURE STORAGE	44	MEAT MANAGER'S OFFICE		
16B	CONTROLLED TEMPERATURE STORAGE	47	PRODUCE PROCESSING	83	CLOSET
17	DAMAGED MERCHANDISE	48	PRODUCE MANAGER'S OFFICE	84	MANAGER RECEPTION AREA
19	STORE MANAGER OFFICE	49	PRODUCE STORAGE	85	ELECTRICAL
20	ADMINISTRATIVE AREA	50	UNLOADING AISLE	86	HALLWAY
21A	WOMEN'S RESTROOM EMPLOYEE	51A	MECHANICAL ROOM	87	CORRIDOR
21B	WOMEN'S RESTROOM EMPLOYEE	51B	MECHANICAL ROOM	88	RETURNED TO BASE
		51C	MECHANICAL ROOM	89	EGG CANDLING
				90	CLOSET

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

STATE OF ALABAMA
22BB
JAMES G. RICHARDSON
REGISTERED ARCHITECT

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
KEY FLOOR PLAN

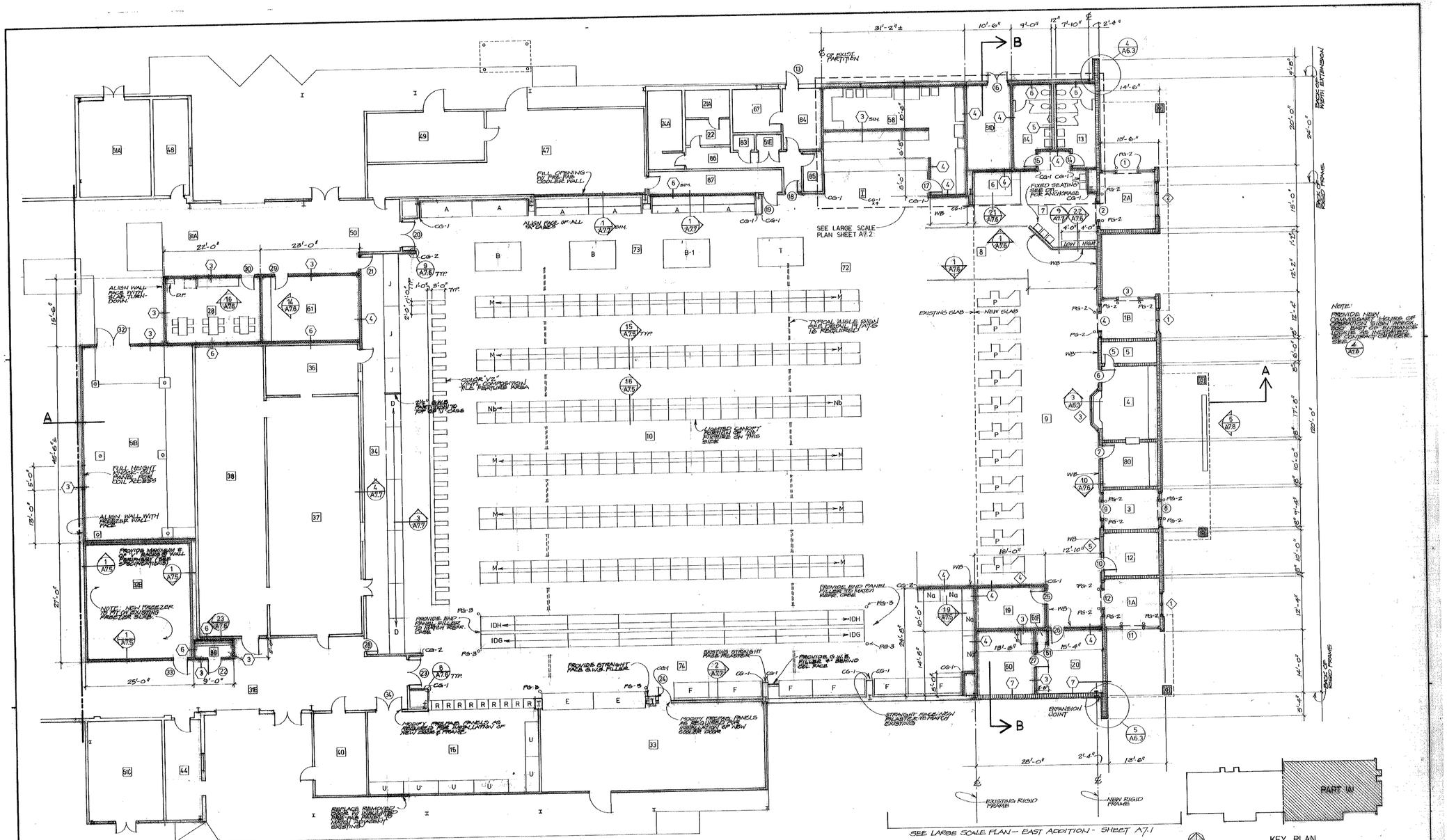
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BE	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	1/16" = 1'-0"	4/16/90

DRAWN BY	PROJECT NO	SHEET	SUBMITTAL NO
R & A	JUBJ860701I	10 OF 65	G00811-9001

A2.1

SHELTON BLUEPRINT & SUPPLY 39 JRMM



FLOOR PLAN PART 'A' - NEW LAYOUT
1/8" = 1'-0"

ROOM SCHEDULE PART 'A'

1A EXIT VESTIBULE	24A MEN'S RESTROOM EMPLOYEE	51D MECHANICAL ROOM
1B EXIT VESTIBULE	28 BREAKROOM	51E MECHANICAL ROOM
2A ENTRY VESTIBULE	31A CORRIDOR	51F MECHANICAL ROOM
3 DAIRY OUT RETURN VESTIBULE	31B CORRIDOR	58 BAKERY WORKROOM
4 CASHIER'S OFFICE	32B FROZEN FOOD STORAGE	60 ADP SCANNING
5 SAFE ROOM	33 DAIRY STORAGE/PROCESS	61 TRAINING ROOM
6 CUSTOMER SERVICE	34 MEAT RESTOCKING	67 GROCERY MANAGER OFFICE
7 PATRON WAITING/CHECK WRITING	36 WRAPPED MEAT HOLDING	72 MASS DISPLAY
8 CART STORAGE	37 MEAT PROCESSING	73 PRODUCE DISPLAY
9 CHECK-OUT/QUEUING	38 BEEF CARCASS STORAGE	74 DAIRY DISPLAY
10 SALES	40 PRE-PAK MEATS	80 CASH COUNT ROOM
12 CUSTOMER SERVICE OFFICE	44 MEAT MANAGER'S OFFICE	83 CLOSET
13 WOMEN'S RESTROOM	47 PRODUCE PROCESSING	84 MANAGER RECEPTION AREA
14 MEN'S RESTROOM	48 PRODUCE MANAGER'S OFFICE	85 ELECTRICAL
15 SENSITIVE STORAGE	49 PRODUCE STORAGE	86 HALLWAY
19 STORE MANAGER OFFICE	50 UNLOADING AISLE	87 CORRIDOR
20 ADMINISTRATIVE AREA	51A MECHANICAL ROOM	89 EGG CANDLING
21A WOMEN'S RESTROOM EMPLOYEE	51B MECHANICAL ROOM	
22 WOMEN'S LOCKER ROOM	51C MECHANICAL ROOM	

PLAN LEGEND

00	ROOM NUMBER
	METAL STUD & GYPSUM BOARD PARTITION
X	PARTITION TYPE - SEE SHEET A7.8
00	DOOR NUMBER
DETAIL NUMBER / SHEET WHERE DETAIL IS LOCATED	DETAIL OR SECTION
	PREFAB. COOLER PARTITION

A2.2

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG.
CORROSION CONTROL

REV.	DATE	DESCRIPTION	BY	M	APPR'D

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

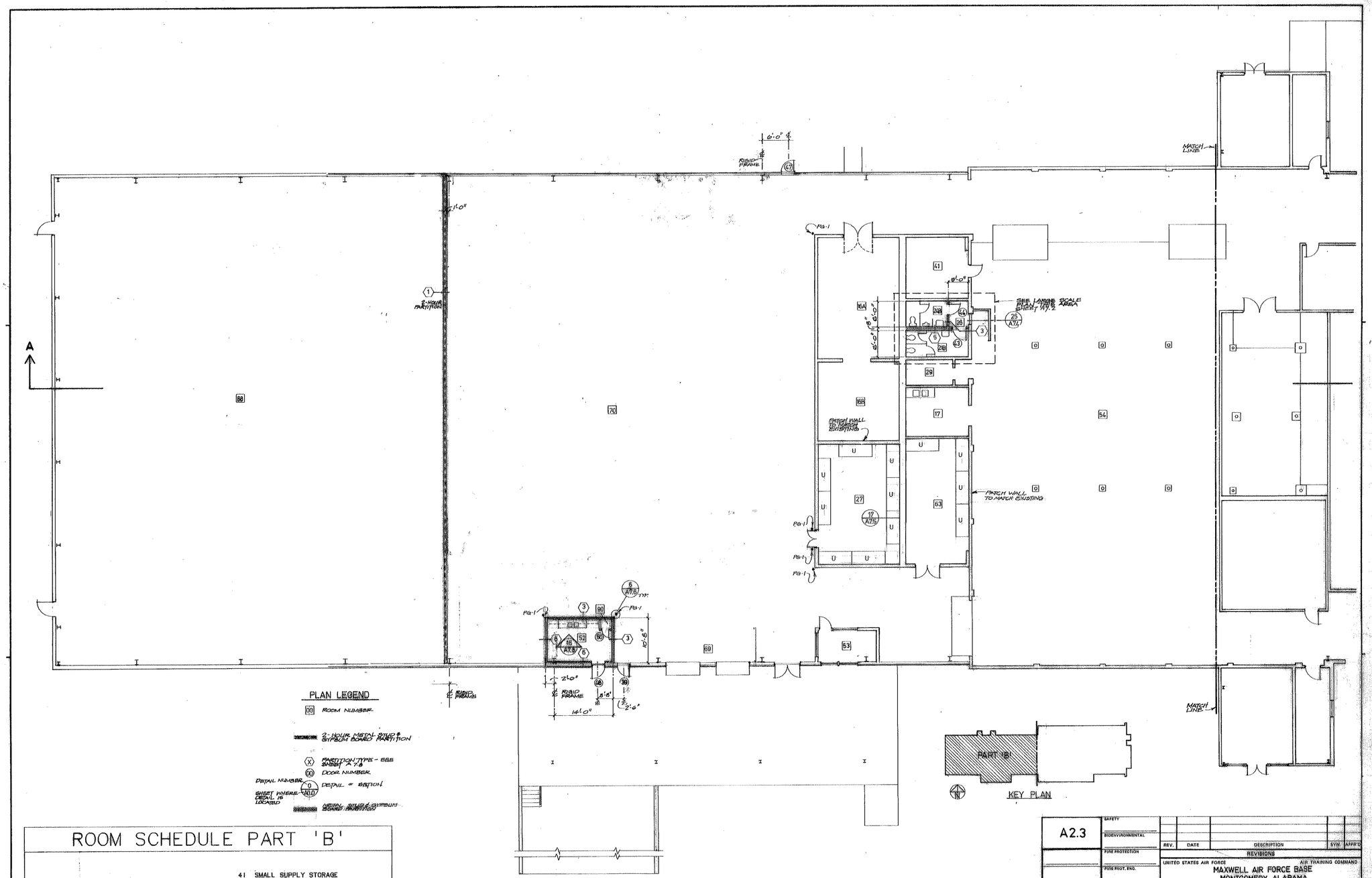
TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

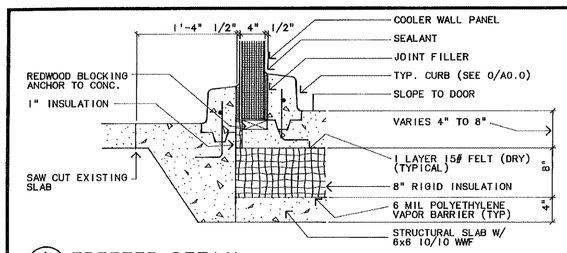
SUBTITLE: FLOOR PLAN PART 'A' - NEW LAYOUT

STATE OF ALABAMA — 2288 — JAMES C. RICHARDSON — REGISTERED ARCHITECT

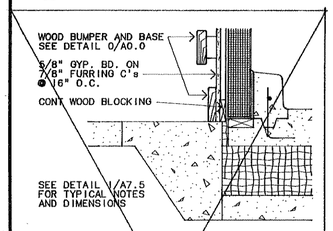
FOR USE BY MAJCOM HEADQRTRS. AND USAF ONLY
APPROVED FOR — DATE
APPROVED FOR — DATE
APPROVED FOR — DATE

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
DIVISIONAL AGENCY	CHIEF, ENGR. BR.	ASSOC. CIVIL ENGR.	BASE CIVIL ENGR.
DESIGNED BY: RA	CHECKED BY: RA	SCALE: 1/8"=1'-0"	DATE: 5/16/90
DRAWN BY: R & A	PROJECT NO.: JUB/J860701	SHEET 11 OF 85	DRAWING NO.: 600811-9001

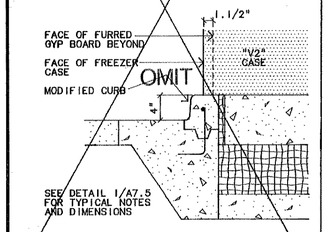

MATCH LINE
RIGID FRAME
2-HOUR PARTITION
PATCH WALL TO MATCH EXISTING
SEE LARGE SCALE PLAN THIS AREA SHEET A7.2
PART 'B'
KEY PLAN
PLAN LEGEND
ROOM NUMBER
2-HOUR METAL STUD & GYPSUM BOARD PARTITION
PARTITION TYPE - SEE SHEET A 7.8
DOOR NUMBER
DETAIL NUMBER
DETAIL OR SECTION
SHEET WHERE DETAIL IS LOCATED
ROOM SCHEDULE PART 'B'
16A CONTROLLED TEMPERATURE STORAGE
16B CONTROLLED TEMPERATURE STORAGE
17 DAMAGED MERCHANDISE
21B WOMEN'S RESTROOM EMPLOYEE
24B MEN'S RESTROOM EMPLOYEE
26 EMPLOYEE TOILET VESTIBULE
27 MAIN SUPPLY STORAGE
29 MAIN JANITOR CLOSET
41 SMALL SUPPLY STORAGE
52 MED. FOOD INSPECTION OFFICE
53 WAREHOUSE MANAGER OFFICE
54 SEMI-PERISHABLE STORAGE
63 CONTRACT STOCK
69 RECEIVING
70 STAGING
88 RETURNED TO BASE
90 CLOSET
FLOOR PLAN PART 'B' - NEW LAYOUT
1/8" = 1'-0"
STATE OF ALABAMA
JAMES G. RICHARDSON
REGISTERED ARCHITECT
A2.3
SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG.
CORROSION CONTROL
FOR USE BY MAJCOM HEADQUARTERS AND USAF ONLY
APPROVED FOR
DATE
REV. DATE DESCRIPTION SYM APPR'D
REVISIONS
UNITED STATES AIR FORCE
AIR TRAINING COMMAND
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA
TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL
SUBTITLE
FLOOR PLAN PART 'B' - NEW LAYOUT
RECOMMENDED
USING AGENCY
RECOMMENDED
CHIEF, ENGR. BR.
RECOMMENDED
ASSOC. CIVIL ENGR.
APPROVED
BASE CIVIL ENGR.
DESIGNED BY RA
CHECKED BY RA
SCALE 1/8"=1'-0"
DATE 11/14/89
DRAWN BY R & A
PROJECT NO. JUBJ860701
SHEET 12 OF 65
DRAWING NO. G00811-9001



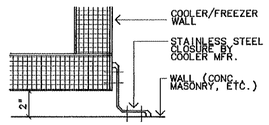
1 / A7.5 FREEZER DETAIL
1.1/2"=1'-0"



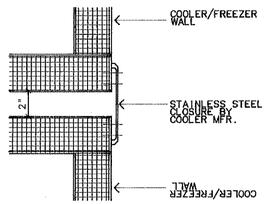
2 / A7.5 FREEZER DETAIL
1.1/2"=1'-0"



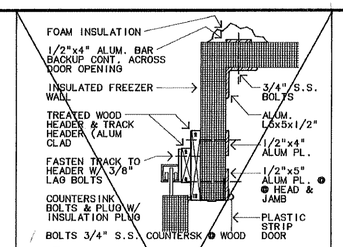
3 / A7.5 FREEZER DETAIL
1.1/2"=1'-0"



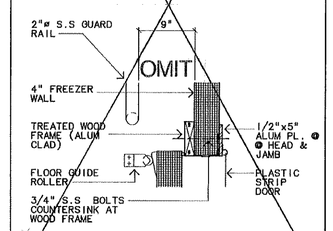
6 / A7.5 CLOSURE DETAIL
3"=1'-0"



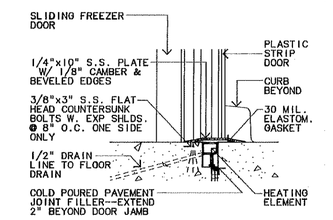
7 / A7.5 CLOSURE DETAIL
3"=1'-0"



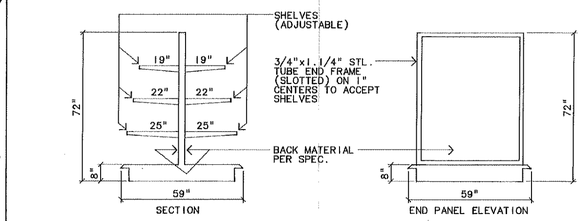
10 / A7.5 HEAD-FREEZER DOOR
1.1/2"=1'-0"



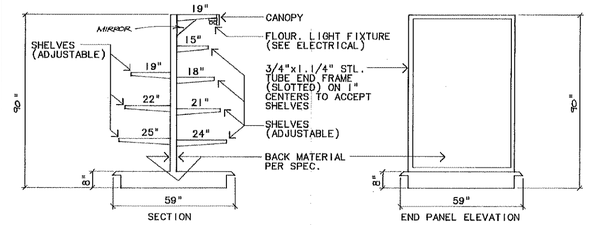
11 / A7.5 JAMB-FREEZER DOOR
1.1/2"=1'-0"



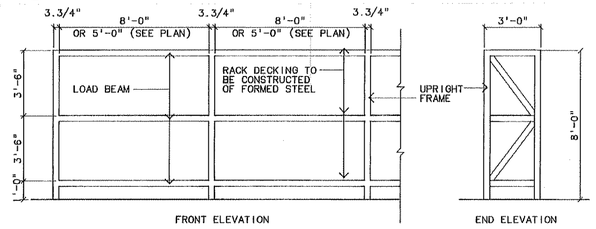
12 / A7.5 SILL-FREEZER DOOR
1.1/2"=1'-0"



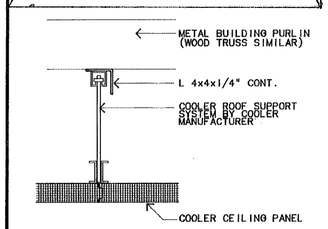
15 / A7.5 TYPE "M" ISLAND SHELVING
1/2"=1'-0"



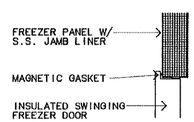
16 / A7.5 TYPE "Nb" ISLAND SHELVING
1/2"=1'-0"



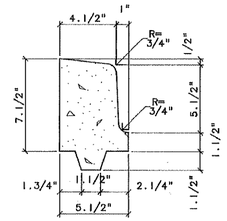
17 / A7.5 TYPE "U " RACKS
3/8"=1'-0"



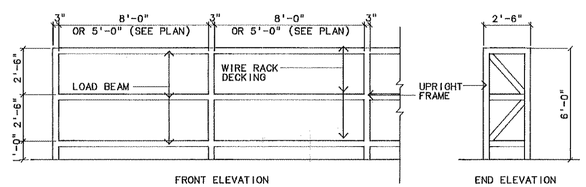
4 / A7.5 COOLER/FREEZER ROOF SUPPORT
NO SCALE



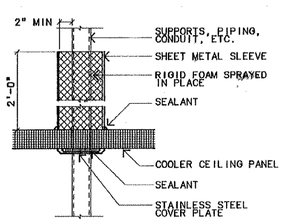
8 / A7.5 JAMB-FREEZER DOOR
1.1/2"=1'-0"



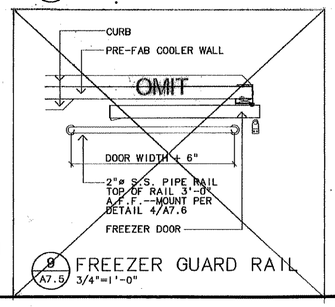
13 / A7.5 TYP. CURB DIMS.
3"=1'-0"



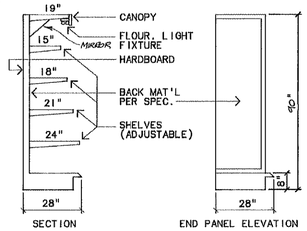
18 / A7.5 TYPE "V" RACKS
3/8"=1'-0"



5 / A7.5 CEILING PENETRATION @ COOLER/FREEZER
1.1/2"=1'-0"



9 / A7.5 FREEZER GUARD RAIL
3/4"=1'-0"



19 / A7.5 TYPE "Na" SHELVING
1/2"=1'-0"

STATE OF ALABAMA
22200
JAMES G. RICHARDSON
REGISTERED ARCHITECT

A7.5

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
ENVIRONMENTAL
FIRE PROTECTION
FUEL PROT ENG
CORROSION CONTROL
OPERATIONS

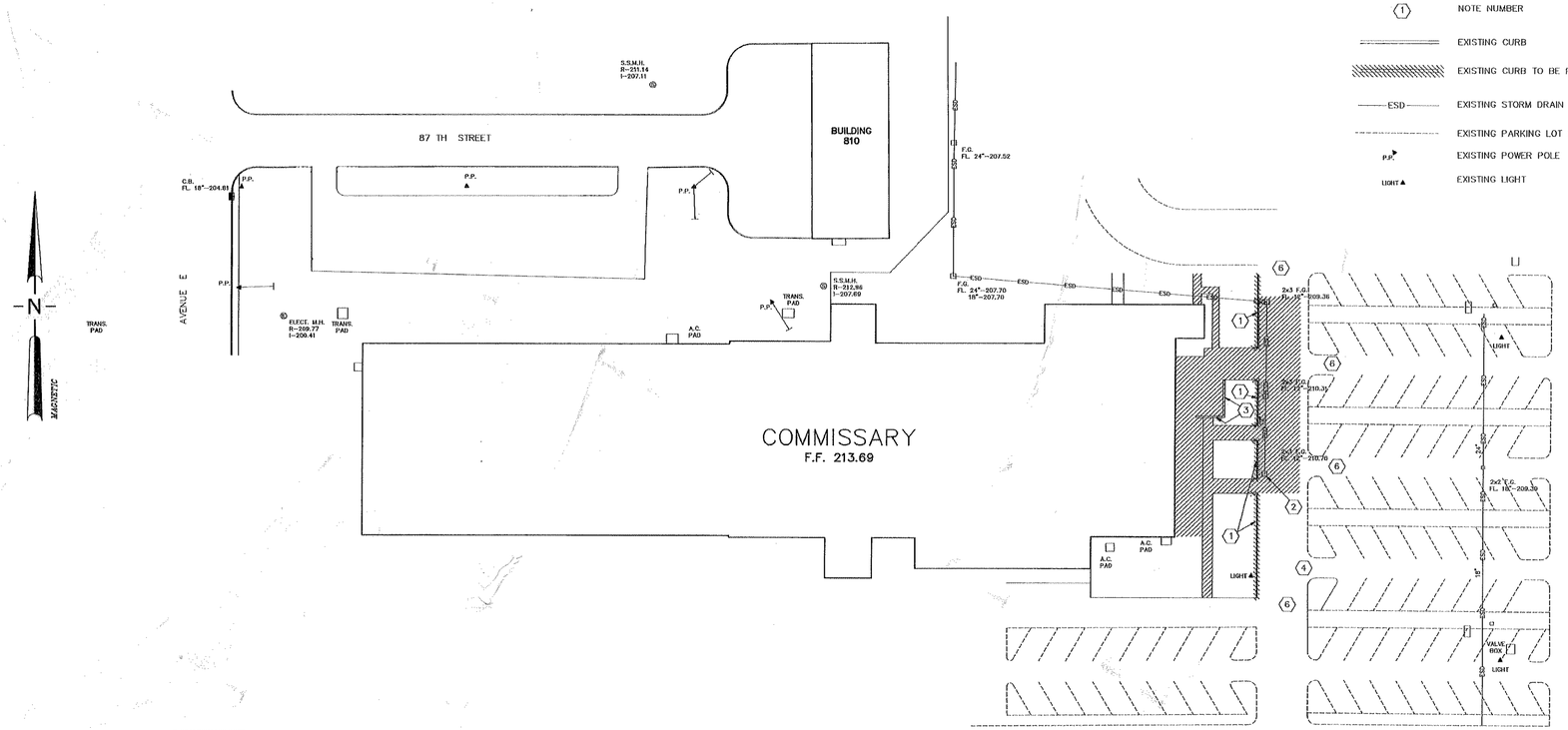
UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

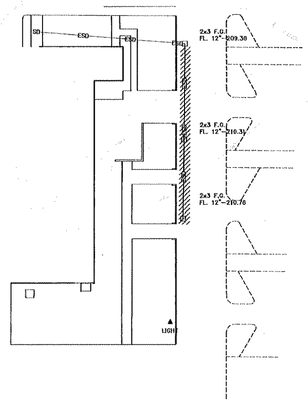
TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
DETAILS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
AGING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY RA	CHECKED BY RA	SCALE VARIES	DATE 5/16/90
DRAWN BY R&A	PROJECT NO JUBJ860701	SHEET 28 OF 65	DRAWING NO 000811-9001

SHELTON BLUEPRINT & SUPPLY '89 3844H





UTILITY DEMOLITION PLAN

LEGEND

- CONCRETE PAVEMENT/SIDEWALK TO BE REMOVED
- STORM DRAIN TO BE REMOVED
- NOTE NUMBER
- EXISTING CURB
- EXISTING CURB TO BE REMOVED
- ESD — EXISTING STORM DRAIN
- EXISTING PARKING LOT STRIPES
- P.P. — EXISTING POWER POLE
- LIGHT — EXISTING LIGHT

NOTES

1. REMOVE EXISTING CURB
2. SEE UTILITY DEMOLITION AT LEFT
3. REMOVE EXISTING WALL
4. SAW ALL CONCRETE PAVING
6. REMOVE EXISTING PAVEMENT STRIPPING WITHIN LIMITS OF RELOCATED ROAD

ALABAMA REGISTERED NO. 11396 PROFESSIONAL ENGINEER P. E. PILGREEN

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

ONE INCH = 30 FEET

C1.2

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG.
CORROSION CONTROL

FOR USE BY MAJCOM HEADQRTRS. AND USAF ONLY

APPROVED FOR — DATE
APPROVED FOR — DATE
APPROVED FOR — DATE

REV.	DATE	DESCRIPTION	SYM.	APPR'D

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: SITE DEMOLITION PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF, ENGR. BR.	ASSOC. CIVIL ENGR.	BASE CIVIL ENGR.

DESIGNED BY	CHECKED BY	SCALE	DATE
PMW	RA	1"=30'	5/16/90
DRAWN BY	PROJECT NO.	SHEET OF	DRAWING NO.
PMW	JUBJ880701	4 OF 55	000811-9001

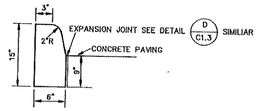
BRUNING 44-33 S13-1

1 1/2" AHD 416A
3 1/2" AHD 327A
COMPACTED SUBGRADE (100% CE 55)

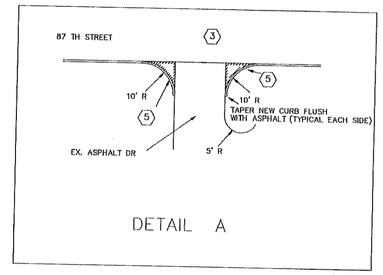
ASPHALT PAVING DETAIL

6" CONCRETE (3500 PSI)
6" AHD 825
COMPACTED SUBGRADE (100% CE 55)

CONCRETE PAVING DETAIL



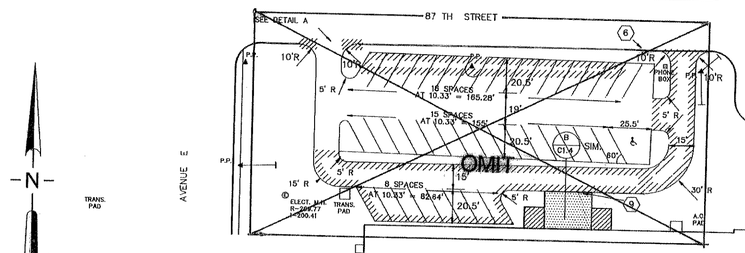
STANDUP 6" CURB

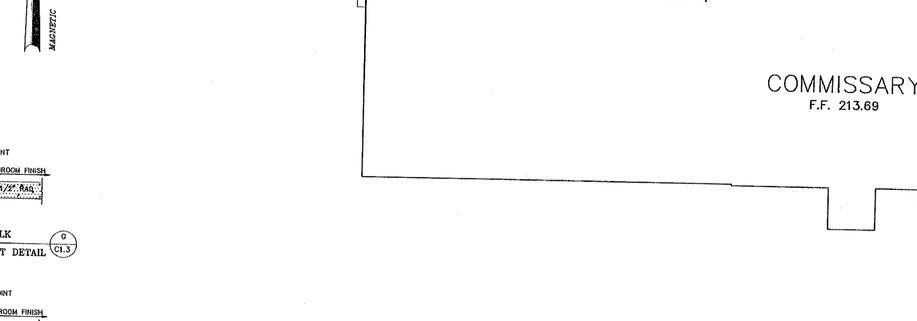


DETAIL A

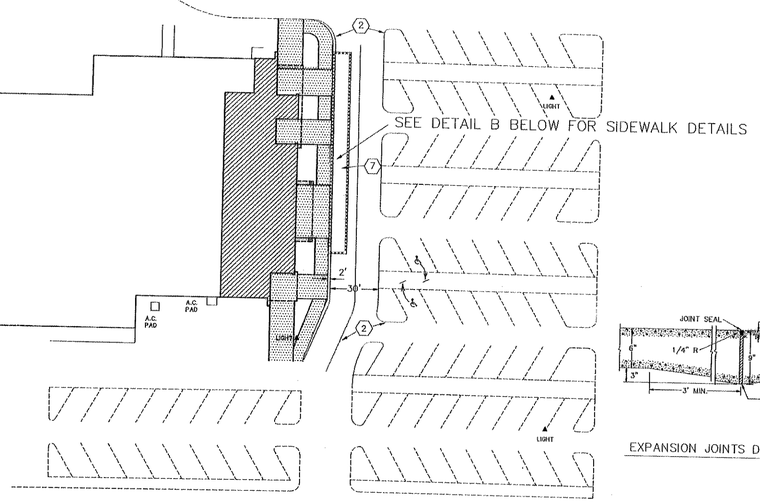
LEGEND

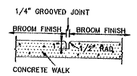
- NEW BUILDING
- NEW CONCRETE SIDEWALK
- NEW ASPHALT PAVING
- EXISTING PARKING LOT STRIPES
- NEW CONCRETE PAVING
- HANDICAP SIGN - SEE FIGURES 206 & 207
- 4" WIDE PAINTED YELLOW STRIPE
- P.P. EXISTING POWER POLE
- LIGHT EXISTING LIGHT POLE



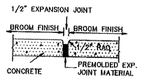


COMMISSARY
F.F. 213.69

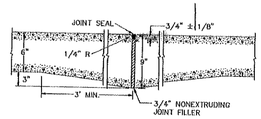




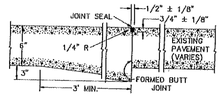
SIDEWALK CONTROL JOINT DETAIL G C1.3



SIDEWALK EXPANSION JOINT DETAIL F C1.3

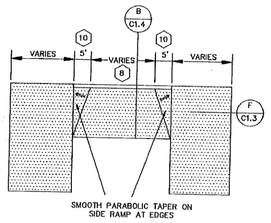


EXPANSION JOINTS DETAIL D C1.3

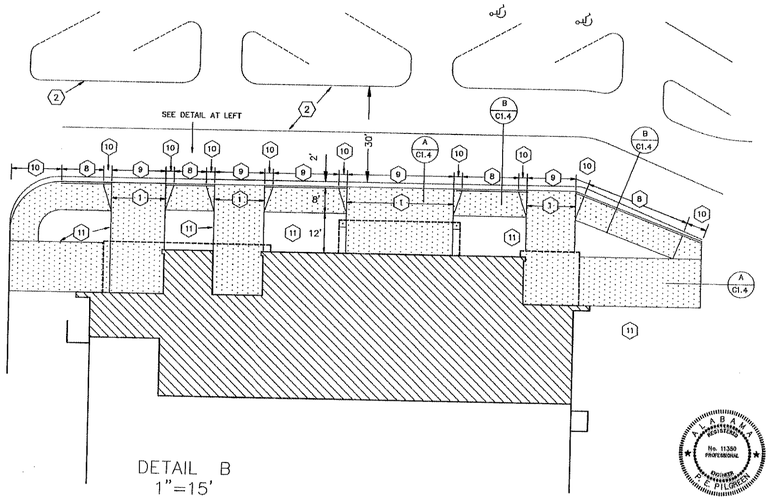


THICKENED EDGE BUTT JOINT

CONSTRUCTION JOINTS DETAIL E C1.3



DETAIL C



DETAIL B
1"=15'

NOTES

1. PROVIDE SIDEWALK EXPANSION JOINT AT RAMP (F C1.3)
2. NEW PAINTED TRAFFIC CONTROL LINES.
3. SEE DEMOLITION PLAN FOR CURB REMOVAL
4. PROVIDE CONTRACTION JOINTS AT 5' CENTER TO CENTER (G C1.3)
5. PROVIDE NEW CURB AS REQUIRED FOR TURNOUT. MATCH EXISTING.
6. INSTALL NEW CURB TO MATCH EXISTING AT OLD DRIVE.
7. MATCH EXISTING JOINT LAYOUT WITH NEW CONCRETE PAVING. PROVIDE A THICKENED EDGE BUTT JOINT AT EXISTING PAVING (E C1.3) AND AN EXPANSION JOINT AT NEW SIDEWALK. (B C1.4)
8. STANDUP CURB SEE DETAIL
9. SIDEWALK MATCHES PAVEMENT
10. TAPER CURB TO MATCH PAVING
11. SEE ARCHITECTURAL PLANS FOR EXIT SIDEWALK WIDTHS

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
ONE INCH = 30 FEET

ALABAMA REGISTERED No. 11380 PROFESSIONAL ENGINEER OWENS, PILGREEN & ASSOCIATES, INC.

C1.3

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG.
CORROSION CONTROL

FOR USE BY MAJCOM HEADQRTRS. AND USAF ONLY

APPROVED FOR DATE
APPROVED FOR DATE
APPROVED FOR DATE

REV.	DATE	DESCRIPTION	SYM.	APPR'D

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG. 811
GUNTER AFB AL

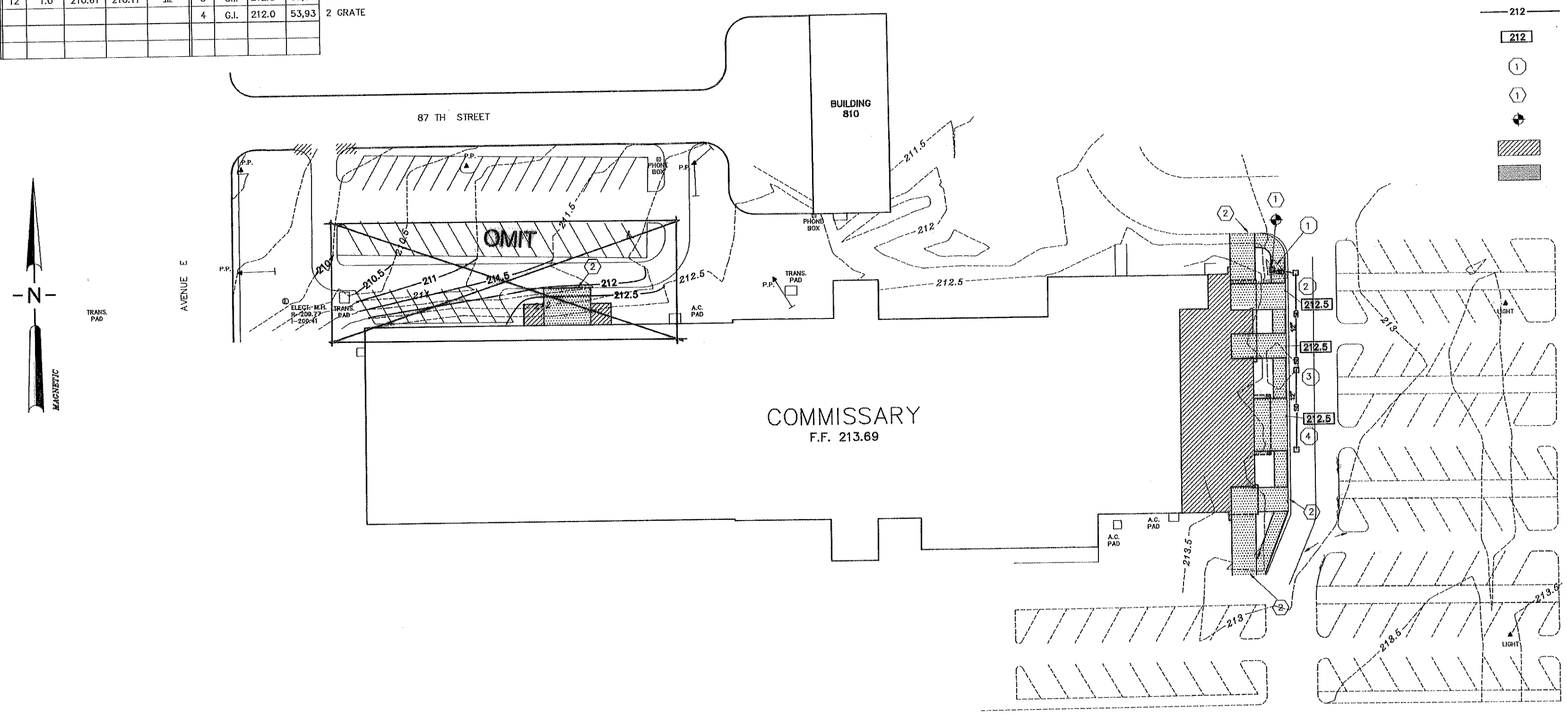
SUBTITLE: PAVING PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF, ENGR. BR.	ASSOC. CIVIL ENGR.	BASE CIVIL ENGR.

DESIGNED BY	CHECKED BY	SCALE	DATE
PAW	RA	VARIES	5/16/90
DRAWN BY	PROJECT NO.	SHEET OF	DRAWING NO.
PAW	JUEIJ890701	5 OF 65	000811-9001

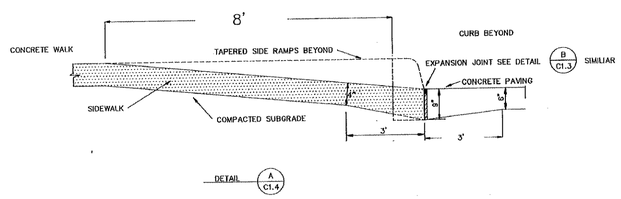
BRUNING 44-131 F3135-1

STORM DRAINAGE PIPE AND STRUCTURE SCHEDULE												
STRUCTURE			CONCRETE PIPE					STRUCTURES				
					INVERT ELEV							
FROM	TO	PIPE LGTH FT.	DIA. IN.	SLOPE %	UP STREAM	DOWN STREAM	CLASS REINF. CONC.	NO.	TYPE STR.	TOP ELEV	FIG. NO.	
1	2	15	12	1.0	209.51	209.36	III	1	MH	213.0	46,47	
2	3	60	12	1.0	210.11	209.51	III	2	G.I.	212.0	53,93	2 GRATE
3	4	50	12	1.0	210.61	210.11	III	3	G.I.	212.0	53,93	2 GRATE
								4	G.I.	212.0	53,93	2 GRATE

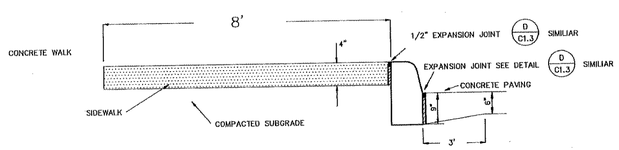


LEGEND

- SD — EXISTING STORM DRAIN
- 210 — EXISTING CONTOUR
- EXISTING PARKING CONTROL LINES
- SD — NEW STORM DRAIN
- 212 — FINISH CONTOUR
- 212 — FINISH SPOT ELEVATION
- (1) — STRUCTURE NUMBER
- (1) — NOTE NUMBER
- CONNECT TO EXISTING
- NEW BUILDING
- NEW CONCRETE SIDEWALK



DETAIL A/C1.4



DETAIL B/C1.4

NOTES

1. CONVERT EX. GRATE INLET TO MANHOLE
2. NEW SIDEWALK TO MATCH EX. PAVEMENT

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

ONE INCH = 30 FEET

ALABAMA REGISTERED PROFESSIONAL No. 11359 ENGINEER

C1.4

REV.	DATE	DESCRIPTION	SYM.	APPR'D

REVISIONS

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT. ENG.

CORROSION CONTROL

FOR USE BY MAJCOM HEADQRTRS. AND USAF ONLY

APPROVED FOR — DATE

APPROVED FOR — DATE

APPROVED FOR — DATE

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

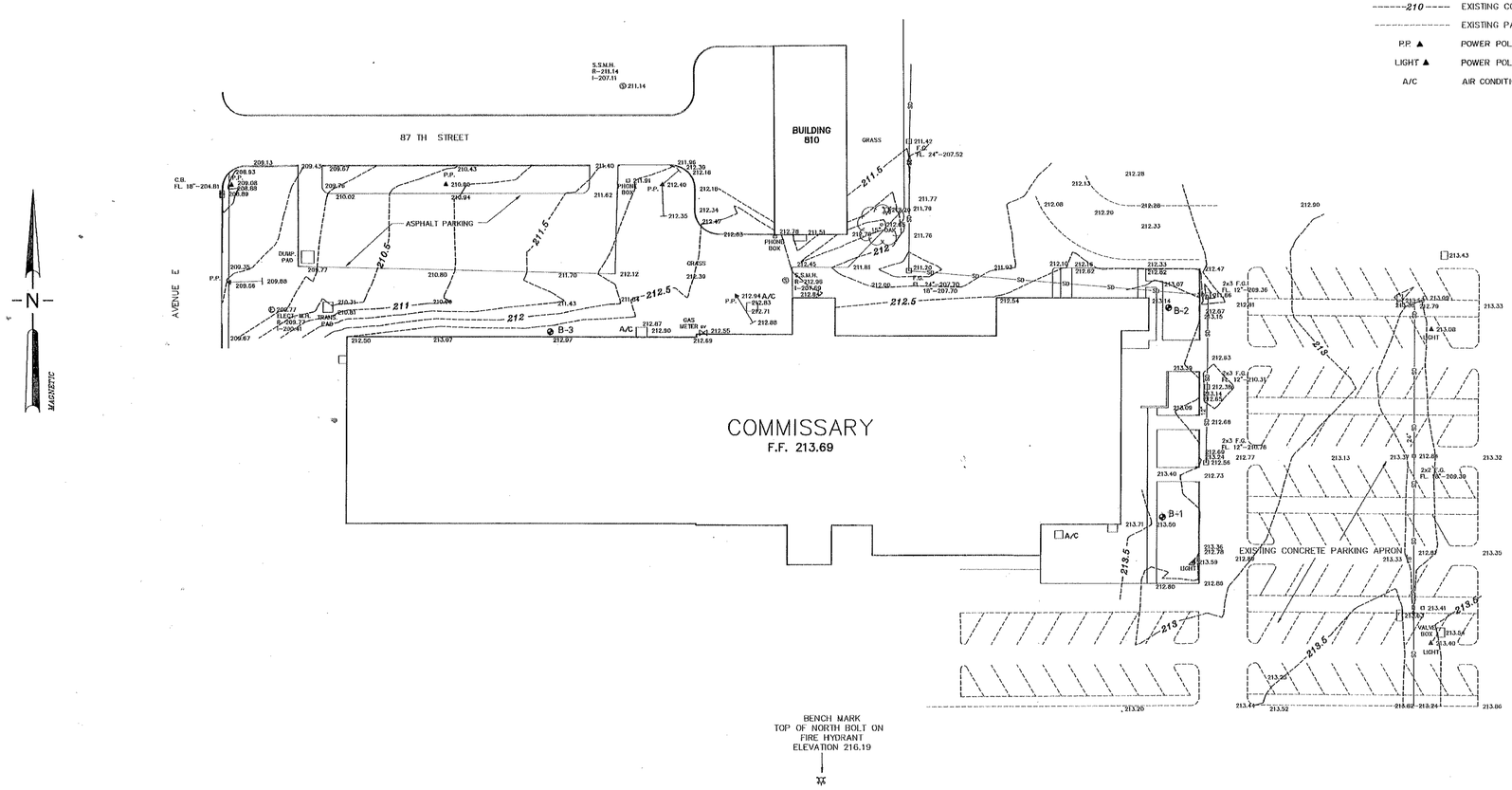
TITLE: ADDITION / ALTER COMMISSARY, BLDG. 811 GUNTER AFB AL

SUBTITLE: SITE DRAINAGE PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF, ENGR. BR.	ASSOC. CIVIL ENGR.	BASE CIVIL ENGR.

DESIGNED BY: PAW — CHECKED BY: RA — SCALE: VARIES — DATE: 5/16/90

DRAWN BY: PAW — PROJECT NO.: JUBJ880701 — SHEET 6 OF 65 — DRAWING NO.: 900811-9001



LEGEND

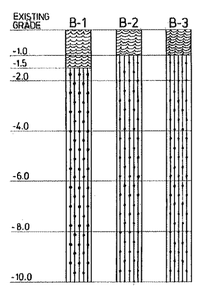
—— SD ——	EXISTING STORM DRAIN
------210------	EXISTING CONTOUR
- - - - - - - -	EXISTING PARKING CONTROL LINES
P.P. ▲	POWER POLE
LIGHT ▲	POWER POLE W/LIGHT
A/C	AIR CONDITION UNIT

LEGEND

LEGEND CROSS REFERENCED TO REPORT OF SUBSURFACE INVESTIGATION, AS PREPARED BY CONSTRUCTION TESTING & ENGINEERING, INC. OF MONTGOMERY, AL. DATED MARCH 27, 1989

⊕ B-2	BORING LOCATION / NUMBER
	PT
	SM

SECTIONAL LOG



ALABAMA REGISTERED PROFESSIONAL ENGINEER NO. 11350 CHRISTOPHER L. PILGREEN

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

ONE INCH = 30 FEET

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY

ENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

CORROSION CONTROL

OPERATIONS

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: EXISTING SITE PLAN

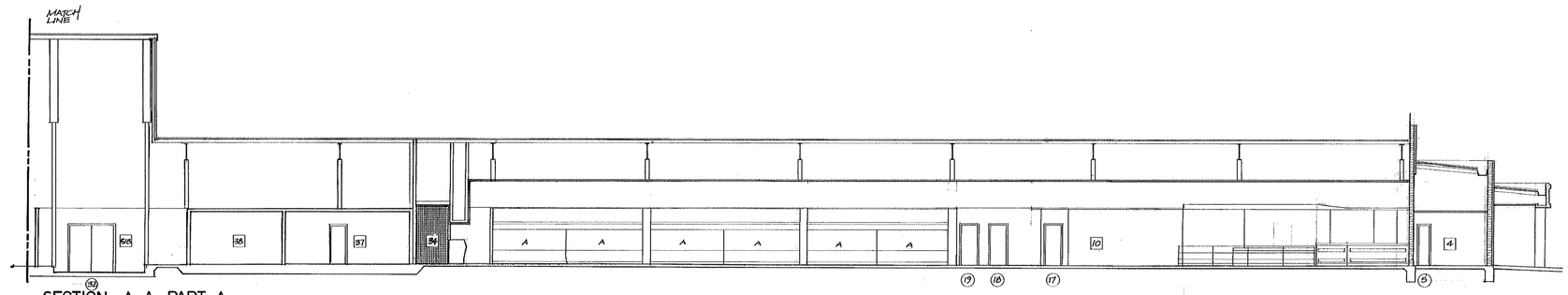
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR DIV	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
PAW	RA	1" = 30'	5/16/90

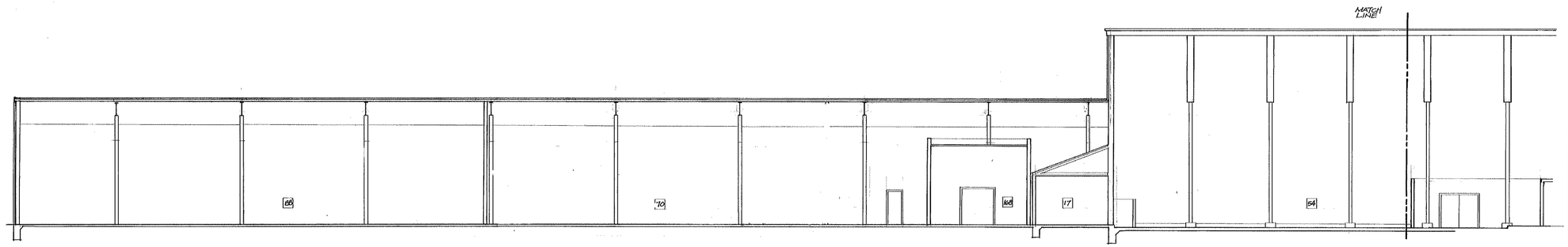
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
PAW	JUBJ860701	3 OF 85	000811-9001

C1.1

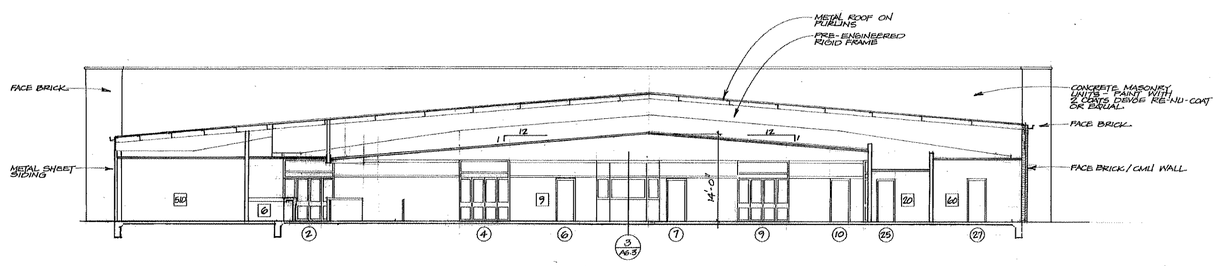
SHELTON BLUEPRINT & SUPPLY CO. 334-263-3181



SECTION A-A PART A
1/8" = 1'-0"



SECTION A-A PART B
1/8" = 1'-0"



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

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

STATE OF ALABAMA
2268
JAMES G. RICHARDSON
REGISTERED ARCHITECT

SHEETS
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CLEANSUSH CONTRGS
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

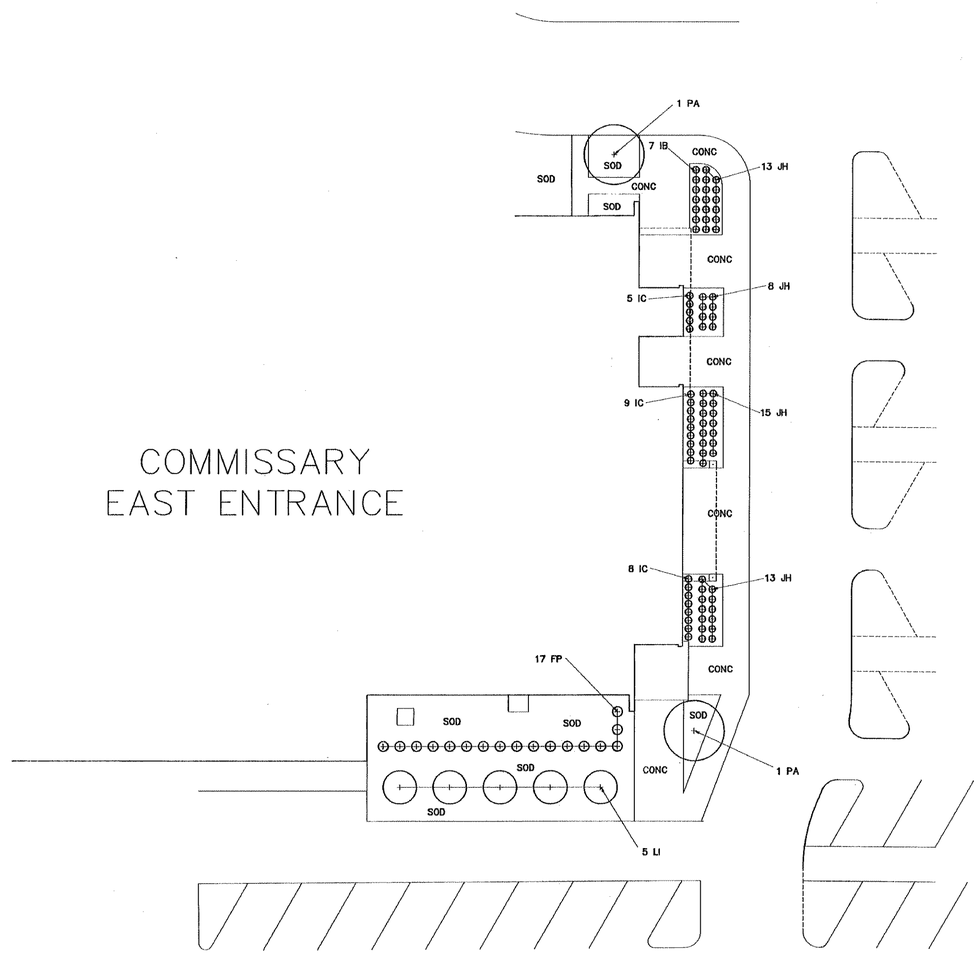
SUBTITLE
BUILDING SECTIONS

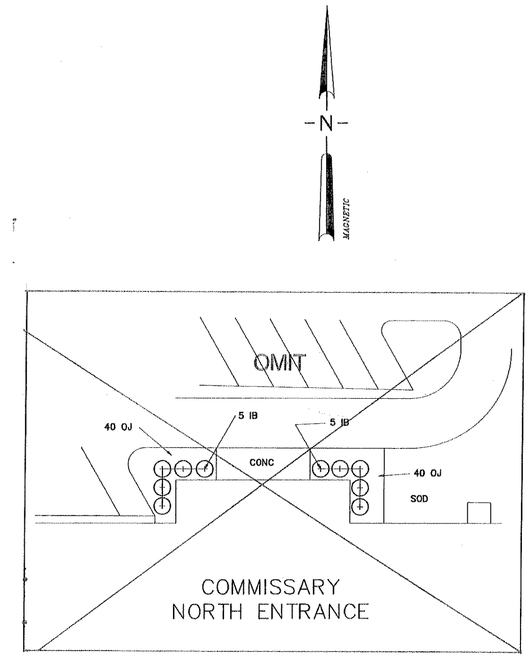
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BN	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY RA	CHECKED BY RA	SCALE 1/8" = 1'-0"	DATE 5/16/90
DRAWN BY R&A	PROJECT NO JUDJ860701	SHEET 20 OF 65	DRAWING NO 600811-9001

A5.3

DALTON BLUEPRINT & SUPPLY '89 24x36

COMMISSARY EAST ENTRANCE





GRAPHIC SCALE

15 0 7.5 15 30 60

(IN FEET)

ONE INCH = 15 FEET

PLANT LIST

KEY	SCIENTIFIC NAME	COMMON NAME	QTY.	SIZE	ROOT	SPACING	NOTES
FP	FRASER PHOTENIA	RED TIP PHOTENIA	17	30" SPD	3 GAL	5'	
LI	LAGERSTROEMIA INDICA	NATCHEZ CRAPE MYRTLE	5	12' HT	B+B		FULL CANOPY, MULTI-STEM
PA	PYRUS CALLERYANA	ARISTOCRAT PEAR	2	3" CAL	B+B		STRAIGHT TRUNK
IC	ILEX CORNUTA CARISSA	CARISSA HOLLY	22	24" SPD	3 GAL	2.5'	
JH	JUNIPERUS HORIZONTALIS	CREEPING JUNIPER	49	24" SPD	3 GAL	3'	
IB	ILEX CORNUTA BURFORD NANA	DWARF BURFORD HOLLY	17	30" SPD	5 GAL	3'	FULL
OJ	OPHIOPOGON JAPONICA	MONDO GRASS	80	12" SPD	1 GAL	12"	

ALABAMA REGISTERED ARCHITECT DIA 11350 FIGHETSCHENER P. ENGINEER P. PILGRICH

REVISIONS

REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

CORROSION CONTROL

OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
LANDSCAPE PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
PAW	RA	1" = 15'-0"	5/16/90

DRAWN BY	PROJECT NO	SHEET	DRAWING NO
PAW	JUBU860701	7 OF 65	00881I-9001

L1.1

SHELTON BLUEPRINT & SUPPLY 93 20440

DOOR SCHEDULE

DOOR MARK	DOOR TYPE	FRAME TYP	DOOR SIZE	DOOR THICK.	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	FIRE RATING	HDW. NO.	REMARKS
1	A	–	12'-0"x10'-0"	–	–	–	–		1	
2	A	–	9'-0"x10'-0"	–	12/A7.4	13/A7.4	–		1	
3	A	–	12'-0"x10'-0"	–	–	–	–		1	
4	A	–	9'-0"x12'-0"	–	12/A7.4	13/A7.4	–		1	
5	C	I	3'-0"x 7'-0"	1.3/4"	6/A7.4	7/A7.4	22/A7.4		6	SEE NOTE 2
6	K	I	3'-0"x 7'-0"	1.3/4"	3/A7.4	4/A7.4	22/A7.4		7	
7	B	I	3'-0"x 7'-0"	1.3/4"	6/A7.4	7/A7.4	22/A7.4		7	SEE NOTE 5
8	A	–	9'-0"x10'-0"	–	–	–	–		1	
9	A	–	9'-0"x10'-0"	–	12/A7.4	13/A7.4	–		1	
10	J	I	3'-0"x 7'-0"	1.3/4"	6/A7.4	7/A7.4	–		6	SEE NOTE 5
11	A	–	12'-0"x10'-0"	–	–	–	–		1	
12	A	–	9'-0"x10'-0"	–	12/A7.4	13/A7.4	–		1	
13	C	I	3'-0"x 7'-0"	1.3/4"	5/A7.4	5/A7.4	15/A7.4		2	
14	B	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	24/A7.4		9	SEE NOTE 3
15	B	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	24/A7.4		9	SEE NOTE 3
16	D	I	PR 2'-4"x7'-0"	1.3/4"	5/A7.4	5/A7.4	15/A7.4		3	
17	B	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	24/A7.4		5	SEE NOTE 5
18	J	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	–		4	SEE NOTE 5
19	B	–	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	–		5	
20	G	–	PR 3'-0"x8'-0"	3/4"	EXIST.	EXIST.	–		–	SEE NOTE 1 & 5
21	H	–	3'-0"x 8'-0"	3/4"	EXIST.	EXIST.	–		–	SEE NOTE 1
22	B	–	3'-0"x 7'-0"	3/4"	1/A7.4	2/A7.4	–		6	SEE NOTE 6
23	G	–	PR 3'-0"x8'-0"	3/4"	EXIST.	EXIST.	–		–	SEE NOTE 1 & 5
24	F	–	3'-0"x 6'-8"	4"	8/A7.5	8/A7.5	12/A7.5		11	SEE NOTE 5
25	J	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	22/A7.4		6	SEE NOTE 5
26	J	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	22/A7.4		5	SEE NOTE 5
27	C	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	–		5	SEE NOTE 6
28	H	I	3'-0"x 8'-0"	1.3/4"	EXIST.	EXIST.	–		–	SEE NOTE 1
29	J	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	21/A7.4		6	SEE NOTE 6
30	J	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	23/A7.4		8	SEE NOTE 6
31	B	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	23/A7.4		–	
32	D	I	PR 4'-0"x7'-0"	1.3/4"	1/A7.4	2/A7.4	–		3	SEE NOTE 6
33	F	–	3'-0"x 6'-8"	4"	8/A7.5	8/A7.5	12/A7.5		11	
34	D	I	PR 3'-0"x7'-0"	1.3/4"	8/A7.4	8/A7.4	–		3	SEE NOTE 6
35			NOT USED							
36			NOT USED							
37			NOT USED							
38			NOT USED							
39	C	I	PR 3'-0"x7'-0"	1.3/4"	5/A7.4	5/A7.4	15/A7.4		2	
40			NOT USED							
41			NOT USED							
42			NOT USED							
43	C	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	–		9	SEE NOTE 4
44	C	I	3'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	–		9	SEE NOTE 4
45			NOT USED							
46			NOT USED							
47	C	I	3'-0"x 7'-0"	1.3/4"	5/A7.4	5/A7.4	15/A7.4		2	
48	C	I	3'-0"x 7'-0"	1.3/4"	5/A7.4	5/A7.4	15/A7.4		4	SEE NOTE 6
49			NOT USED							
50	B	I	2'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	–		6	
51	B	I	2'-0"x 7'-0"	1.3/4"	1/A7.4	2/A7.4	21/A7.4		6	

DOOR SCHEDULE NOTE

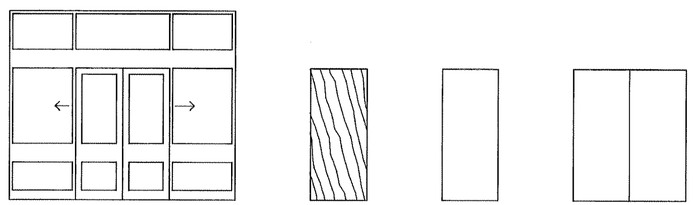
1. NEW DOOR IN EXISTING FRAME - VERIFY SIZE OF DOOR OPENING.
2. 14 GA. HOLLOW METAL DOOR.
3. (RESTROOMS-PATRON) PROVIDE RESTROOM INDICATION DRAWING AND HANDICAP SYMBOL DOOR SIGNS. SEE DETAIL 18/A7.6.
4. (RESTROOMS-EMPLOYEE) PROVIDE RESTROOM INDICATION DRAWING ON OUTSIDE AND SIGN TO READ "EMPLOYEES MUST WASH HANDS BEFORE RETURNING TO WORK" ON INSIDE OF DOOR. SEE DETAIL 18/A7.6.
5. (DOORS IN SALES AREAS) PROVIDE SIGN TO READ "EMPLOYEES ONLY" MOUNTED 6" ABOVE DOOR.
6. (TYPICAL DOOR SIGN) PROVIDE TYPICAL DOOR SIGN. VERIFY ROOM NAME WITH CONTRACT OFFICER.

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	LOCATION	QUANTITY	REMARKS	UTILITIES REQUIRED: HOT WATER	COLD WATER	WASTE	VENT	ELECTRICAL	180 DEG WTR
KC	DISPLAY REFRIG. CASE	BAKERY/DELI	1	CURVED GLASS						
M	ISLAND SHELVING	SALES	110							
Nb	ISLAND SHELVING	SALES	22	LIGHTED					*	
Na	WALL SHELVING	SALES	6	LIGHTED					*	
P	CHECKOUT STAND	SALES	13	G.F.G.I.					*	
R	CIGARETTE DISPLAY	SALES	9							
U	STORAGE SHELVING	BULK SALES/STOR	57							
LC	DISPLAY CASE	BAKERY/DELI	1	CURVED GLASS					*	
AA	HAND LAVATORY	BAKERY/DELI	1		*	*	*	*		
BB	BREAD SLICER	BAKERY/DELI	1						*	
CC	OVEN, PROOFER COMB	BAKERY/DELI	1						*	
DD	BAKERS TABLE	BAKERY/DELI	1							
FBI	FREEZER, REACH-IN	BAKERY/DELI	1							
GG	GLAZING, ICING CTR	BAKERY/DELI	1							
HH	OVERHEAD RACK	BAKERY/DELI	1							
II	SINK, 3-COMP.	BAKERY/DELI	1		*	*	*	*		*
MM	MIXER	BAKERY/DELI	1						*	
QQ	RETARDER & DOOR RACKS	BAKERY/DELI	4						*	
RR-1	BAKERY CABINET	BAKERY/DELI	1							
S	BAKERY DISPLAY CASE	BAKERY/DELI	1						*	
UU	HAND WRAPPING STATION	BAKERY/DELI	1							
–	PRE-FAB DOORS/DISPLAY	BULK SALES	2	7 DOORS					*	

STATE OF ALABAMA
2268
JAMES G. RICHARDSON
REGISTERED ARCHITECT

DOOR TYPES
NO SCALE



(A) ALUMINUM AUTOMATIC DOOR UNIT WITH TRANSOM

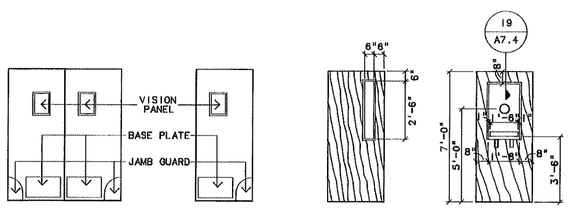
(B) SOLID CORE DOOR STAIN GRADE OAK VENEER

(C) HOLLOW METAL DOOR

(D) PAIR HOLLOW METAL DOORS

(E) NOT USED

(F) INSULATED SWINGING FREEZER DOOR



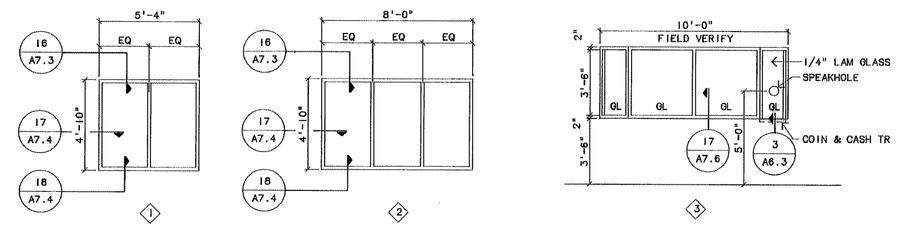
(G) PAIR DOUBLE ACTING REINFORCED RUBBER

(H) DOUBLE ACTING REINFORCED RUBBER

(J) SOLID CORE DOOR VISION GL OAK VENEER

(K) CASHIER'S OFFICE DOOR OAK VENEER

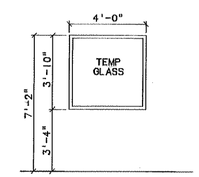
WINDOW TYPES
NO SCALE



(1) BRONZED ANODIZED ALUMINUM STOREFRONT W/ BRONZE TINTED GLASS

(2) BRONZED ANODIZED ALUMINUM STOREFRONT W/ BRONZE TINTED GLASS

(3) HOLLOW METAL FRAME W/ 1/4" LAMINATED GLASS & VENETIAN BLINDS



(4) HOLLOW METAL FRAME W/ 1/4" CLEAR TEMPERED GLASS & VENETIAN BLINDS

A2.5

REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

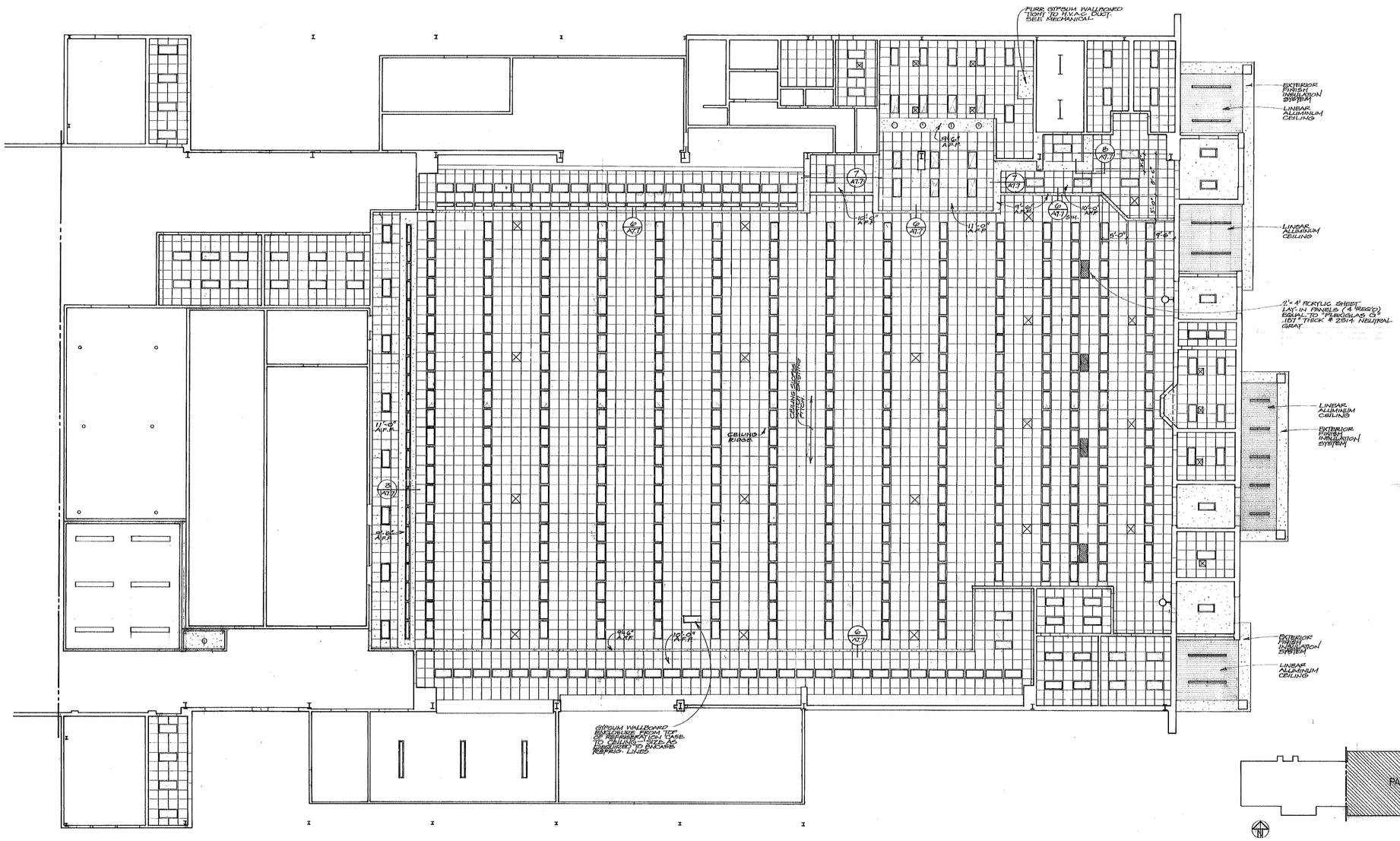
UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION/ALTER COMMISSARY, BLDG. 811
GUNTER AFB, AL

SUBTITLE: DOOR, WINDOW & EQUIPMENT SCHEDULE

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	MAJOR CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY: RA	CHECKED BY: RA	SCALE: NTS	DATE: 5/16/90
DRAWN BY: R.B.A.	PROJECT NO: JUBJ860701	SHEET: 14 of 69	DRAWING NO: 00811-9001

SHELTON ELLIPPHant & SUPPLY '89 3mm



PARTIAL CEILING PLAN PART 'A'
1/8" = 1'-0"

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

STATE OF ALABAMA
2288
JAMES G. RICHARDSON
REGISTERED ARCHITECT

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

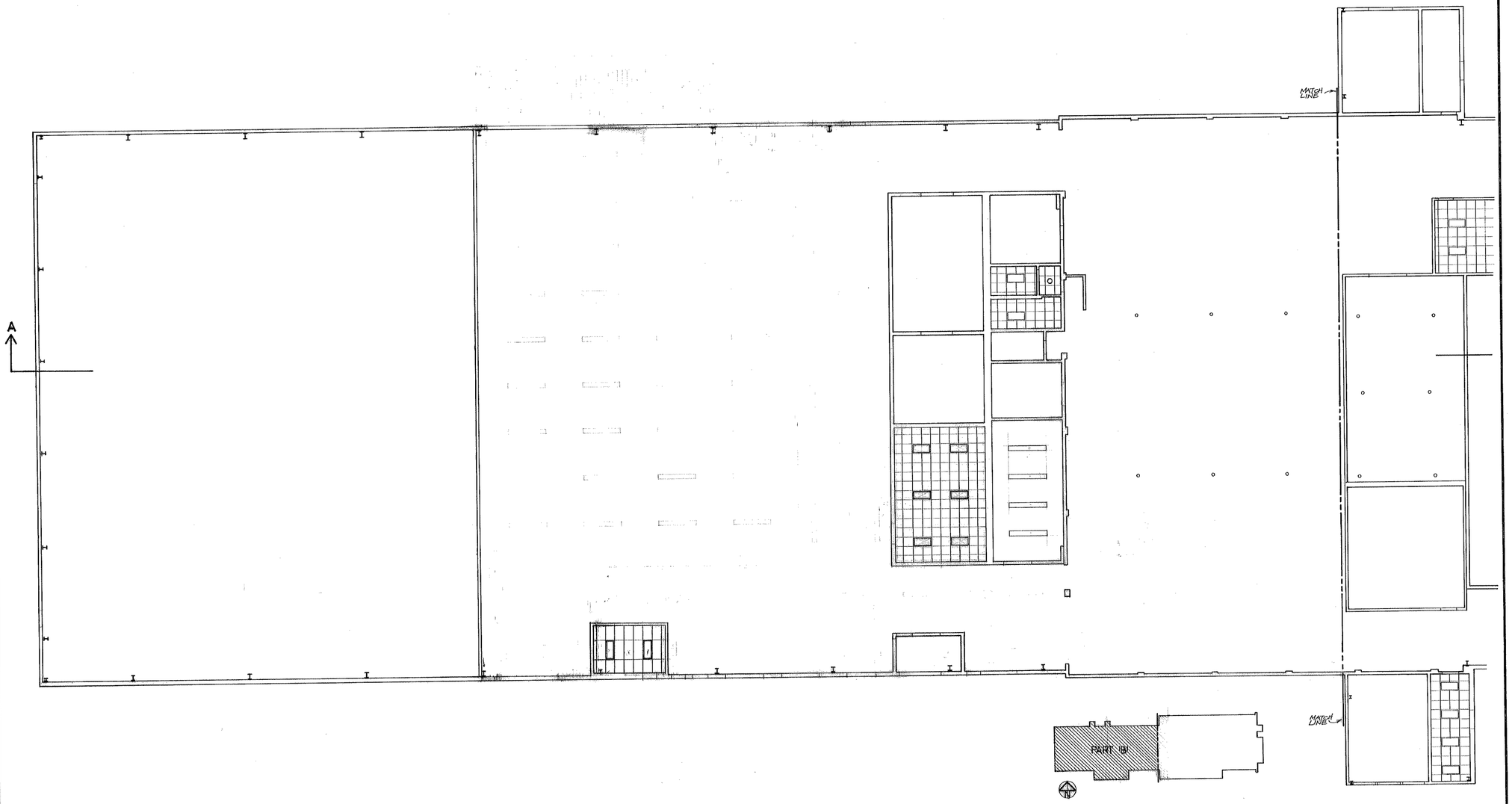
SUBJECT
PARTIAL CEILING PLAN PART 'A'

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
WING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	1/8"=1'-0"	5/16/90
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
R & A	JUBJ860701	15 OF 66	G00811-9001

A3.1

DIETZGEN BLUEPRINT & SUPPLY 30 20444



PARTIAL CEILING PLAN PART 'B'
1/8"=1'-0"

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

STATE OF ALABAMA
7288
JAMES G. RICHARDSON
REGISTERED ARCHITECT

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG.
EMISSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

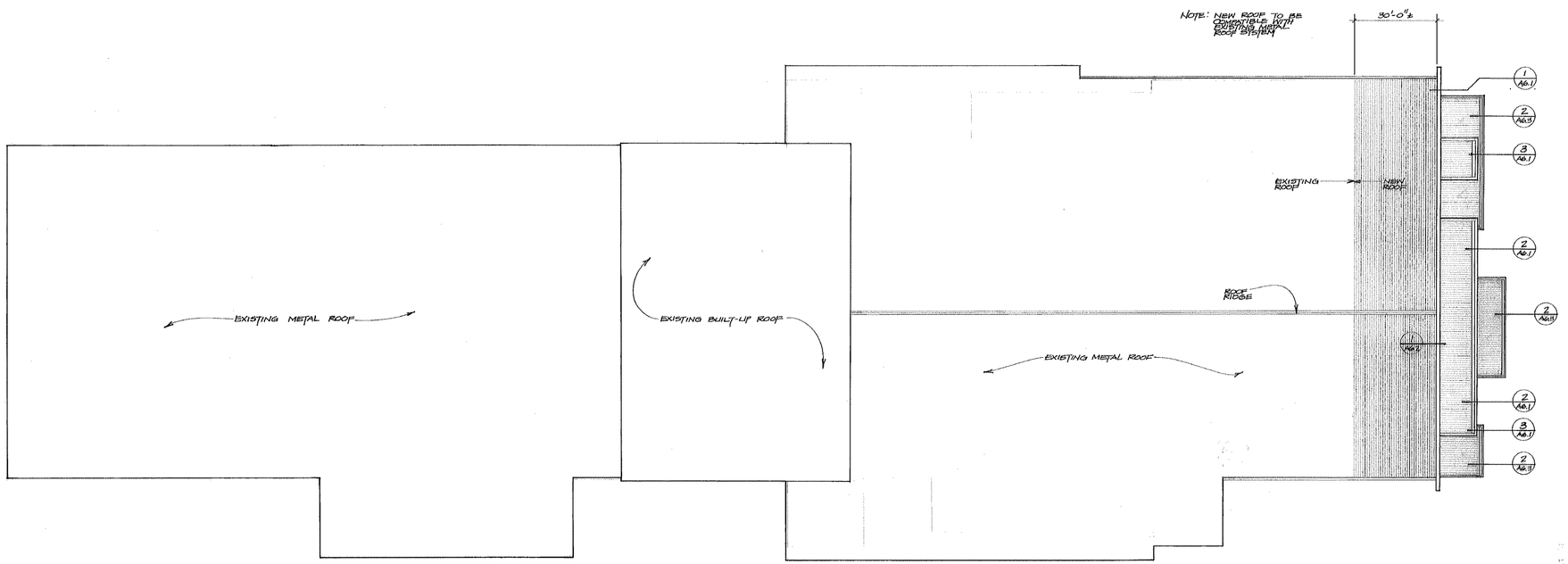
TITLE
ADDITION / ALTER COMMISSARY BLDG 811
GUNTER AFB AL

SUBTITLE
PARTIAL CEILING PLAN PART 'B'

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
HSWG AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY RA	CHECKED BY RA	SCALE 1/8"=1'-0"	DATE 5/16/90
DRAWN BY R & A	PROJECT NO JUBJ860701	SHEET 16 OF 65	DRAWING NO G00811-9001

A3.2

DIETZGEN BLUEPRINT & SUPPLY 'DB' 33444



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

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

STATE OF ALABAMA 2288 JAMES G RICHARDSON REGISTERED ARCHITECT

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
ROOF PLAN

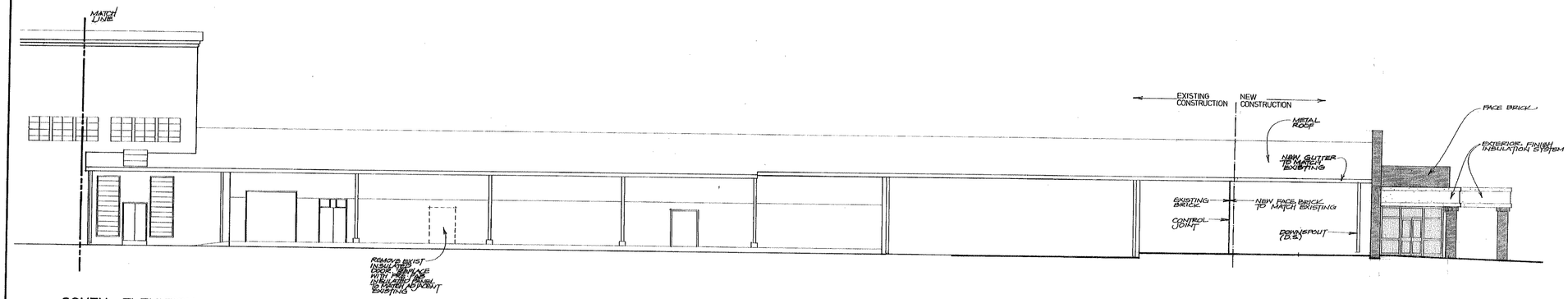
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR.	ASSOC CIVIL ENGR	CHIEF CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	1/16" = 1'-0"	5/16/90

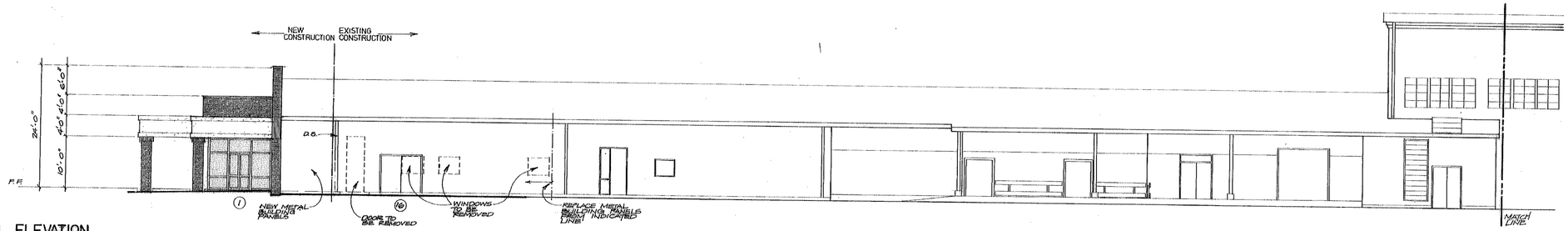
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
R & A	JUBJ860701	17 OF 65	G00811-9001

A4.1

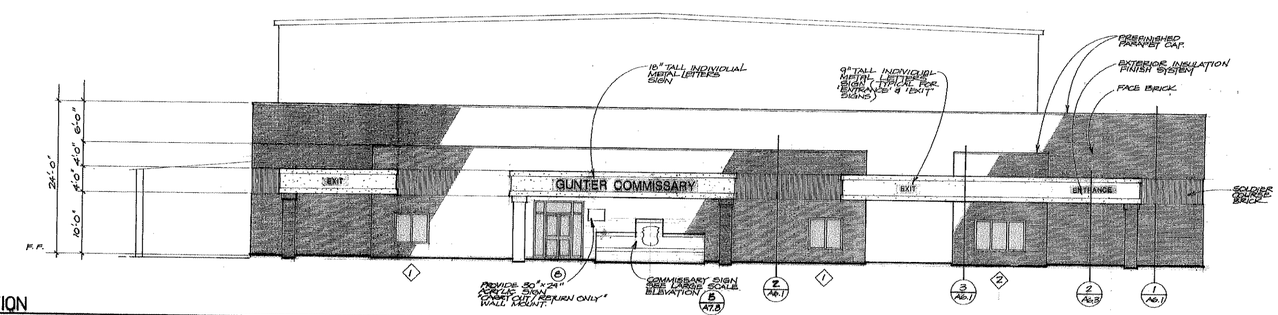
SECTION BLUEPRINT & SUPPLY '88



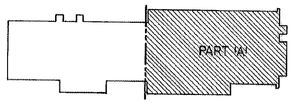
SOUTH ELEVATION
1/8" = 1'-0"



NORTH ELEVATION
1/8" = 1'-0"



EAST ELEVATION
1/8" = 1'-0"



KEY PLAN

A5.1

SAFETY	
BIOENVIRONMENTAL	
FIRE PROTECTION	
FIRE PROT. ENG.	
CORROSION CONTROL	

STATE OF ALABAMA
2268
JAMES G. RICHARDSON
REGISTERED ARCHITECT

FOR USE BY MAJCOM HEADQRTRS. AND USAF ONLY

APPROVED FOR	DATE
APPROVED FOR	DATE
APPROVED FOR	DATE

REV.	DATE	DESCRIPTION	SYM.	APPR'D

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

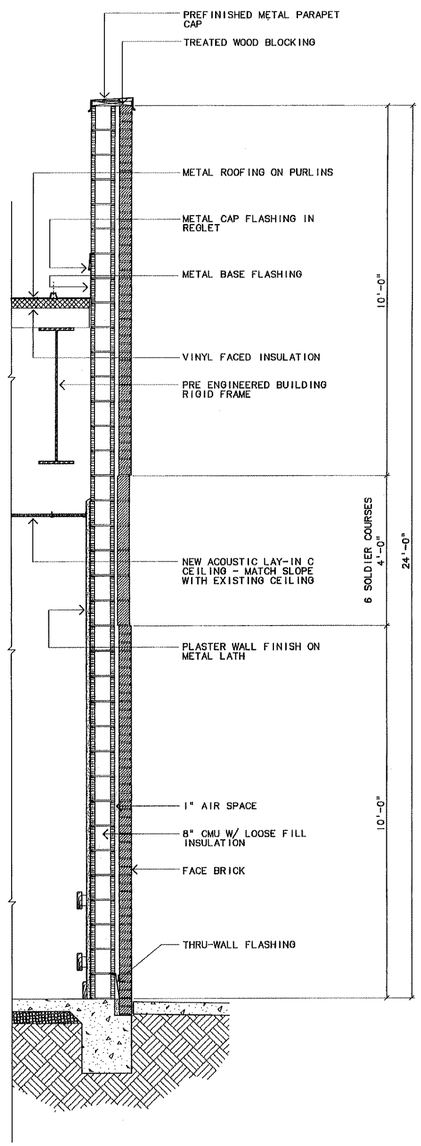
TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
ELEVATIONS PART 'A'

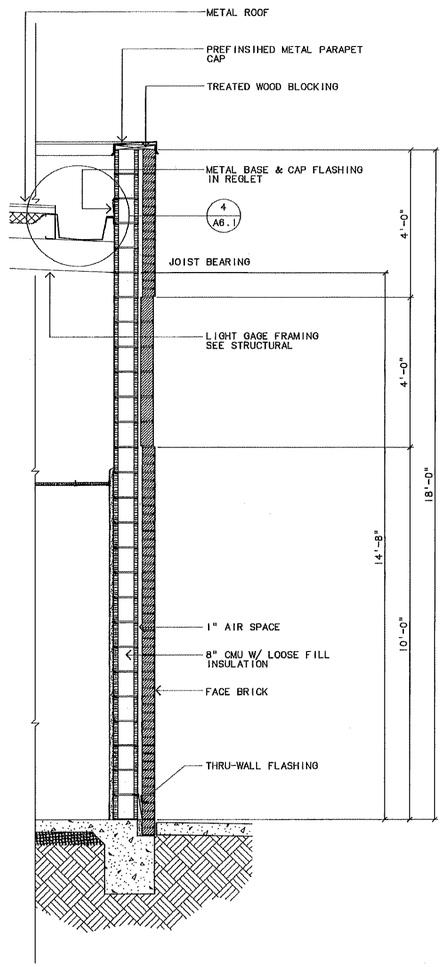
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF, ENGR. BR.	ASSOC. CIVIL ENGR.	BASE CIVIL ENGR.

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	1/8" = 1'-0"	5/16/90

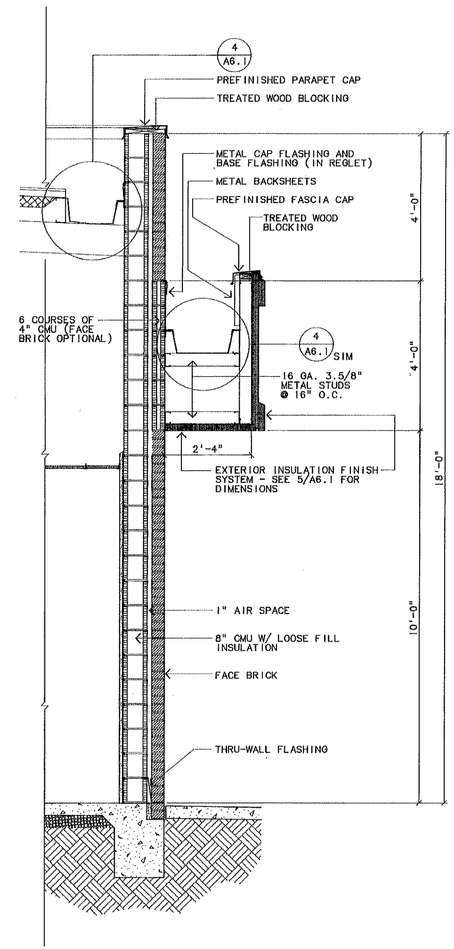
DRAWN BY	PROJECT NO.	SHEET	OF	DRAWING NO.
R&A	JUBJ860701	18	65	G00811-9001



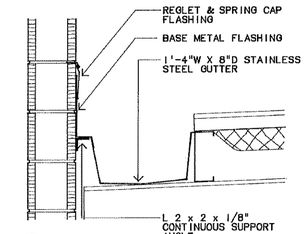
1 A6.1 WALL SECTION
3/4"=1'-0"



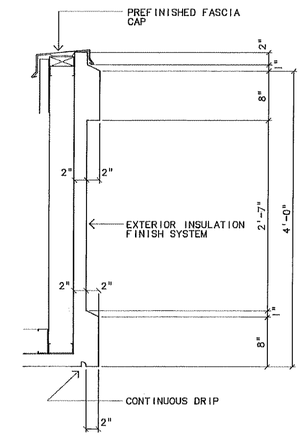
2 A6.1 WALL SECTION
3/4"=1'-0"



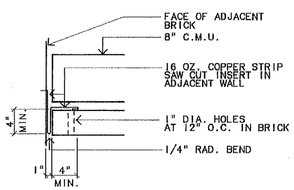
3 A6.1 WALL SECTION
3/4"=1'-0"



4 A6.1 DETAIL
1.1/2"=1'-0"



5 A6.1 FASCIA DETAIL
1.1/2"=1'-0"



6 A6.1 WALL EXPANSION JOINT
1.1/2"=1'-0"

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

STATE OF ALABAMA
22611
JAMES C RICHARDSON
REGISTERED ARCHITECT

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATORS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
WALL SECTIONS & DETAILS

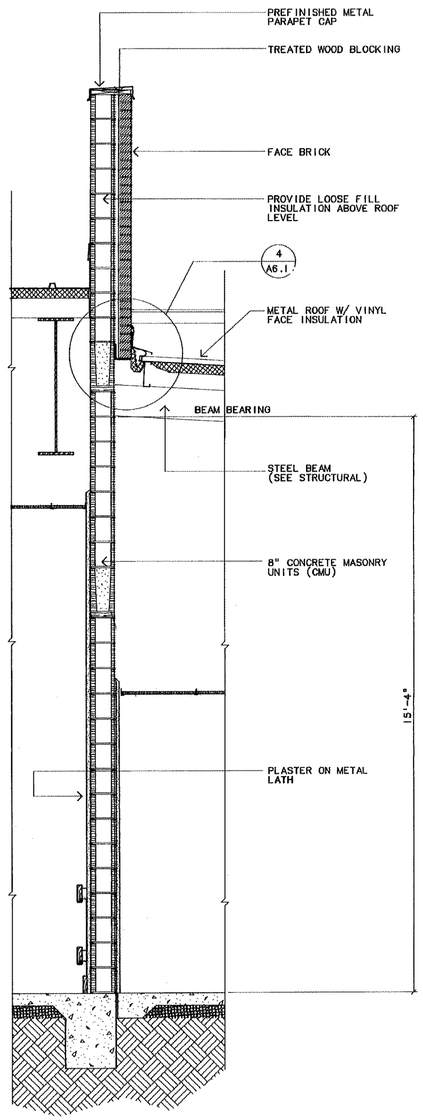
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR DB	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	VARIES	5/16/90

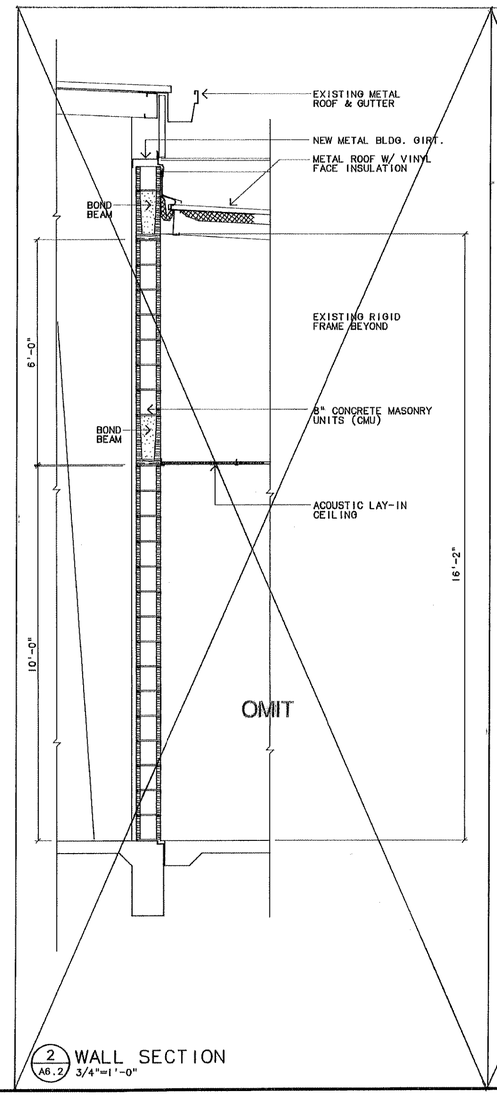
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
R&A	JUBJ860701	21 of 65	000811-9001

A6.1

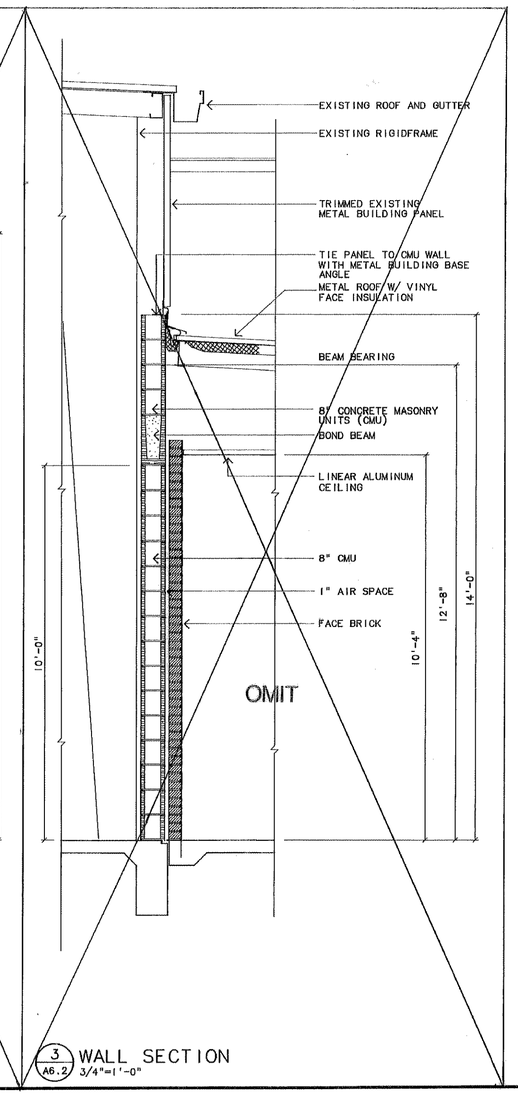
SKELTON BLUEPRINT & SUPPLY '99



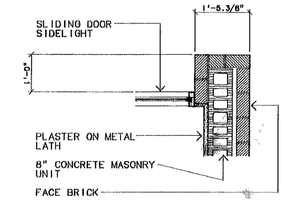
1 A6.2 WALL SECTION
3/4"=1'-0"



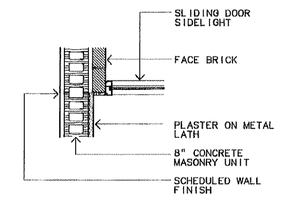
2 A6.2 WALL SECTION
3/4"=1'-0"



3 A6.2 WALL SECTION
3/4"=1'-0"



4 A6.2 PLAN DETAIL
3/4"=1'-0"



5 A6.2 PLAN DETAIL
3/4"=1'-0"

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SHEETS

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT. ENG

CORROSION CONTROL

OPERATIONS

STATE OF ALABAMA
2268
JAMES C. RICHARDSON
REGISTERED ARCHITECT

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

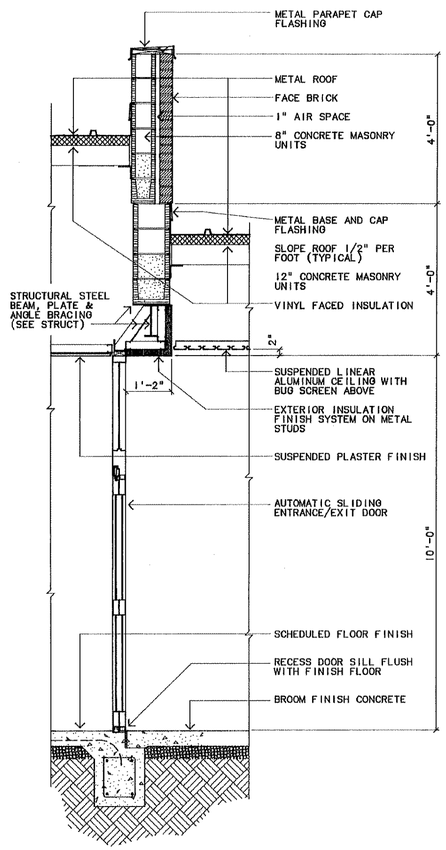
TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
WALL SECTIONS & DETAILS

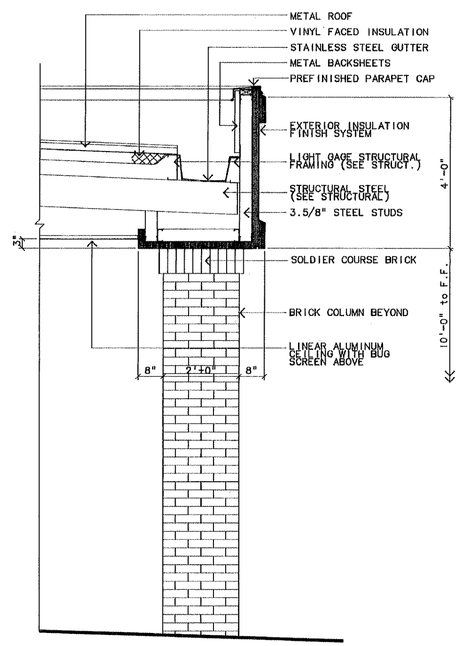
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BRCH CIVIL ENGR
DESIGNED BY RA	CHECKED BY RA	SCALE 3/4" = 1'-0"	DATE 5/16/90
DRAWN BY R & A	PROJECT NO JUBJ860701	SHEET 22 OF 65	DRAWING NO 000811-9001

A6.2

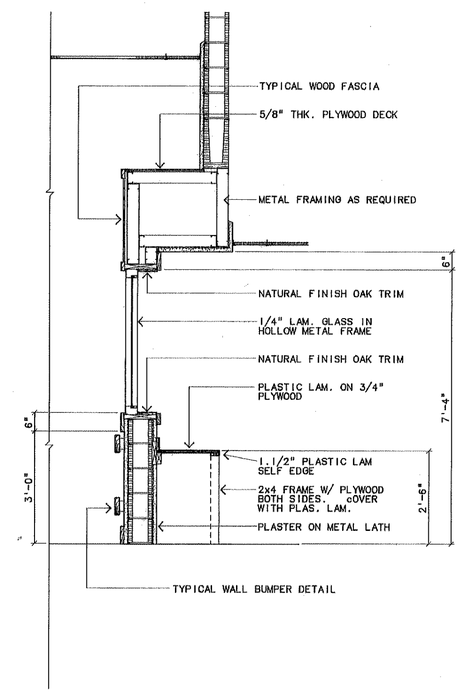
SHELTON BLUEPRINT & SUPPLY '99



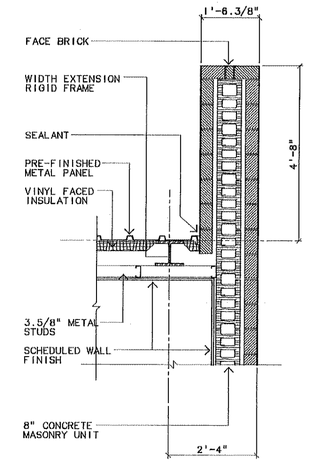
1 A6.3 WALL SECTION
3/4"=1'-0"



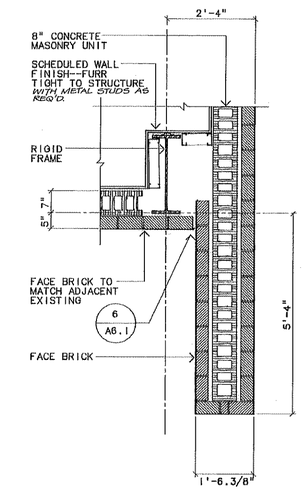
2 A6.3 WALL SECTION
3/4"=1'-0"



3 A6.3 WALL SECTION
3/4"=1'-0"



4 A6.3 PLAN DETAIL
3/4"=1'-0"



5 A6.3 PLAN DETAIL
3/4"=1'-0"

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

STATE OF ALABAMA
22881
JAMES G RICHARDSON
REGISTERED ARCHITECT

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG
CARDIOLOGY CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
WALL SECTIONS & DETAILS

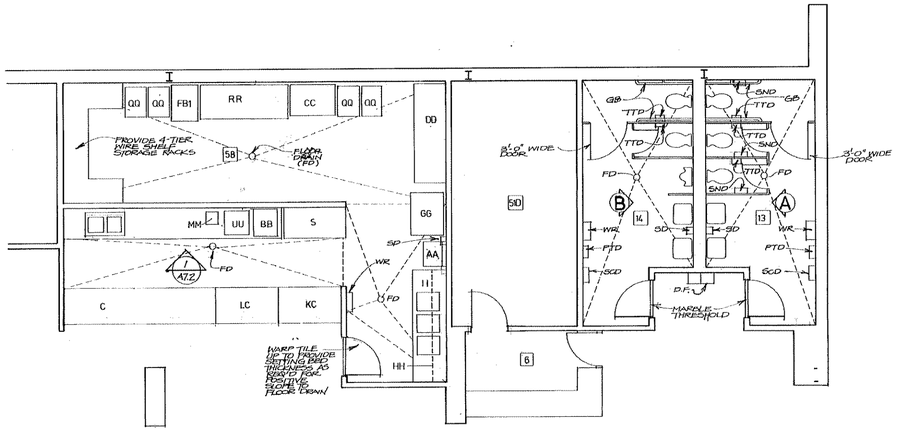
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	ASSC CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	3/4" = 1'-0"	5/16/90

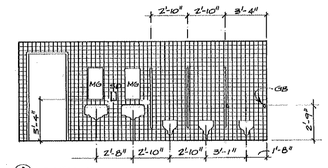
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
R & A	JUB1860701	23 OF 65	000811-9001

A6.3

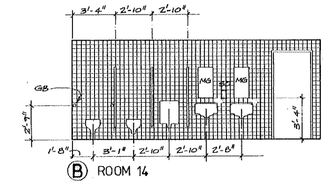
SHELTON BLUEPRINT & SUPPLY 38 3444



ENLARGED AREA PLAN
1/4" = 1'-0"

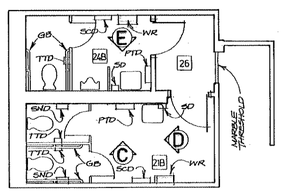


(A) ROOM 13

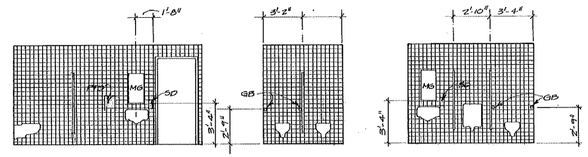


(B) ROOM 14

TOILET ELEVATIONS
1/4" = 1'-0"

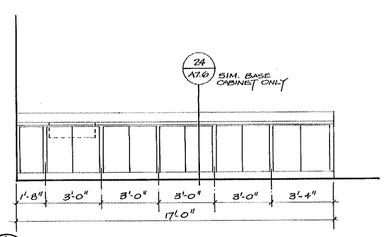


ENLARGED AREA PLAN
1/4" = 1'-0"



(C) ROOM 21B (D) ROOM 21B (E) ROOM 24B

TOILET ELEVATIONS
1/4" = 1'-0"



1 / A7.2 CABINET ELEVATION
3/8" = 1'-0"

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

EMISSION CONTROL

OPERATIONS

STATE OF ALABAMA
2266
JAMES C. RICHARDSON
REGISTERED ARCHITECT

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

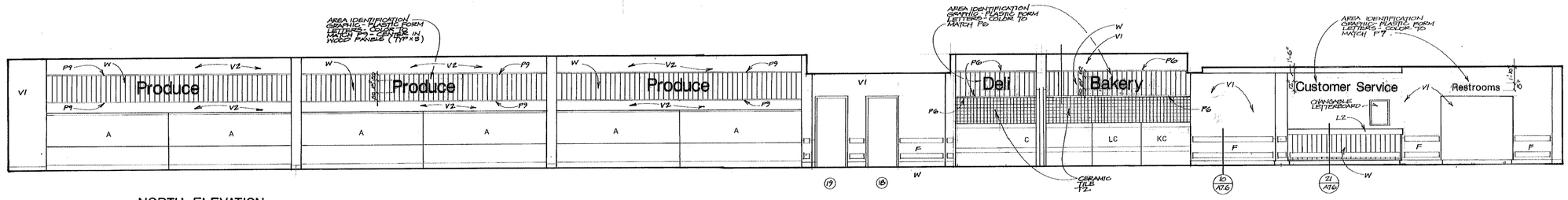
TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: LARGE SCALE PLANS & ELEVATIONS

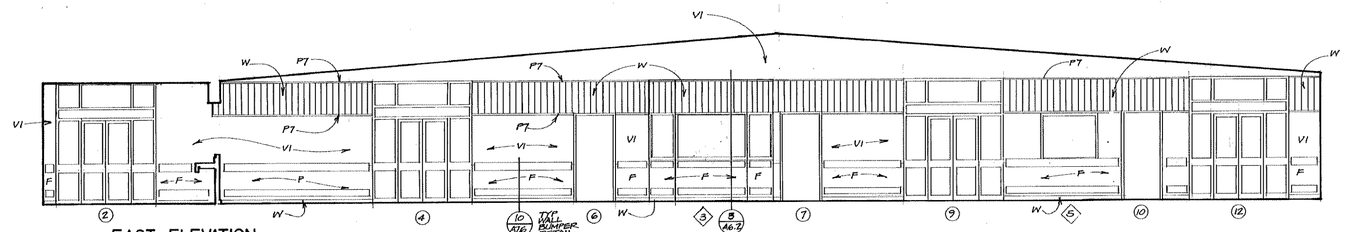
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR.	ASSOC. CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY: RA	CHECKED BY: RA	SCALE: VARIES	DATE: 5/16/90
DRAWN BY: R & A	PROJECT NO: JUBJ860701	SHEET: 25 OF 65	DRAWING NO: 000811-0001

A7.2

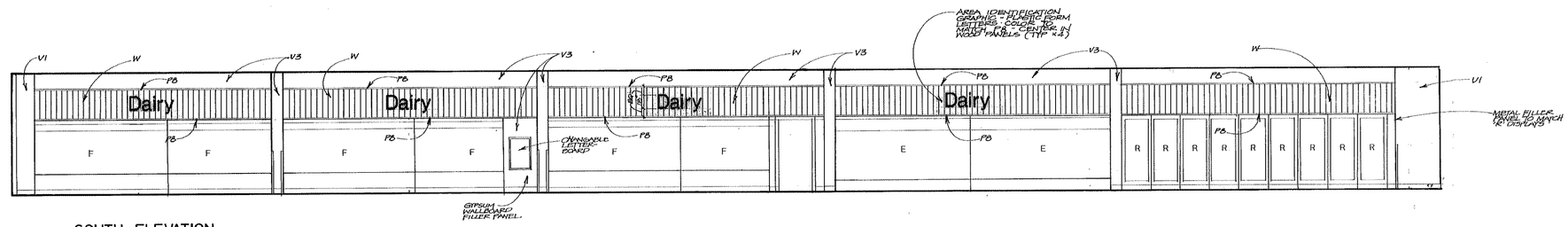
SKELTON BLUEPRINT & SUPPLY '89



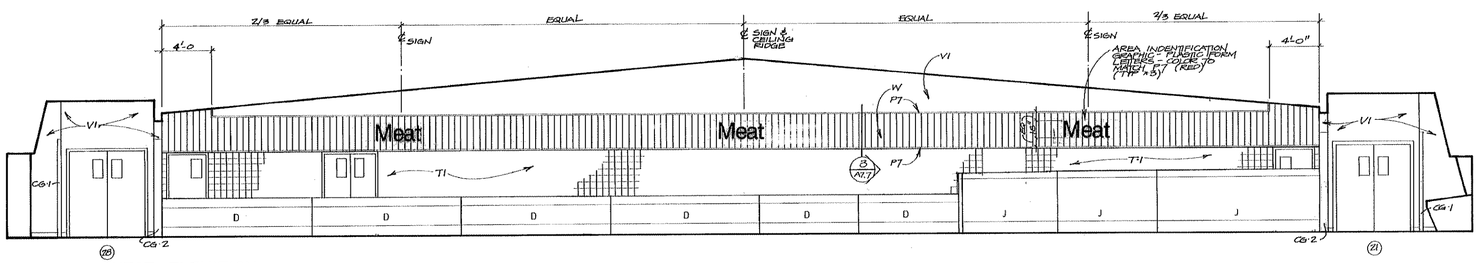
NORTH ELEVATION
1/4" = 1'-0"



EAST ELEVATION
1/4" = 1'-0"



SOUTH ELEVATION
1/4" = 1'-0"



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

GENERAL NOTE:
SEE FINISH SCHEDULE FOR FINISH, COLOR, AND MATERIAL INDICATIONS

STATE OF ALABAMA
2269
JAMES G RICHARDSON
REGISTERED ARCHITECT

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPRD

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

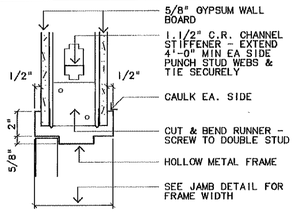
UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY BLDG. 811
GUNTER AFB AL

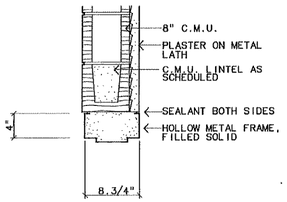
SUBTITLE
INTERIOR ELEVATIONS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY RA	CHECKED BY RA	SCALE 1/4"=1'-0"	DATE 5/16/90
DRAWN BY	PROJECT NO JUBJ860701	SHEET 26 OF 65	DRAWING NO 900811-0001

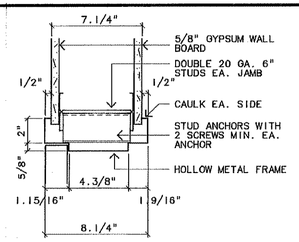
A7.3



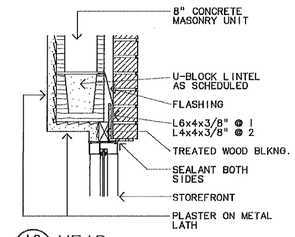
1 A7.4 HEAD 3"=1'-0"



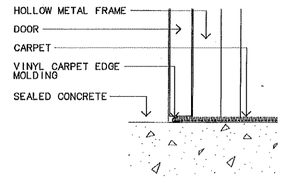
6 A7.4 HEAD 1.1/2"=1'-0"



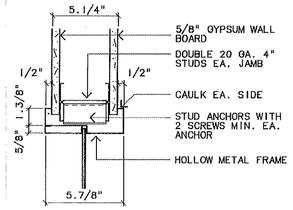
11 A7.4 JAMB 3"=1'-0"



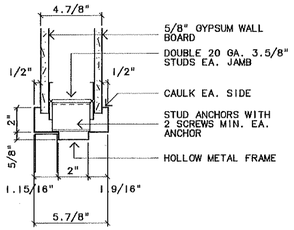
16 A7.4 HEAD 1.1/2"=1'-0"



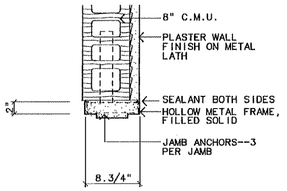
21 A7.4 SILL 3"=1'-0"



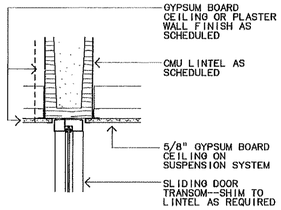
26 A7.4 JAMB 3"=1'-0" HEAD & SILL SIMILAR



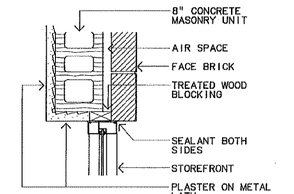
2 A7.4 JAMB 3"=1'-0"



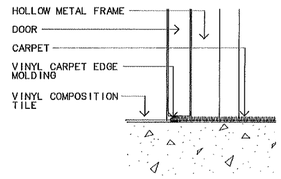
7 A7.4 JAMB 1.1/2"=1'-0"



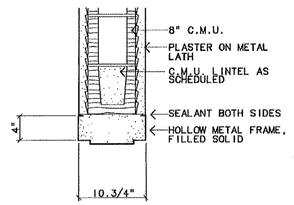
12 A7.4 JAMB 1.1/2"=1'-0"



17 A7.4 JAMB 1.1/2"=1'-0"

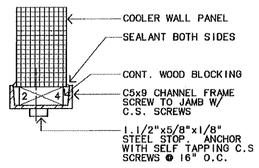


22 A7.4 SILL 3"=1'-0"

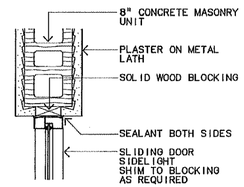


3 A7.4 HEAD 1.1/2"=1'-0"

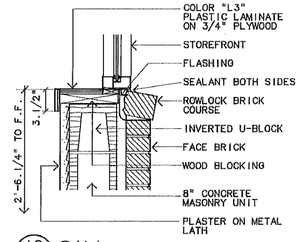
08110-19



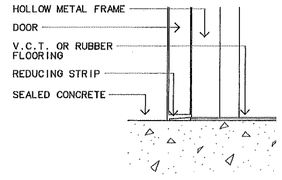
8 A7.4 JAMB 3"=1'-0"



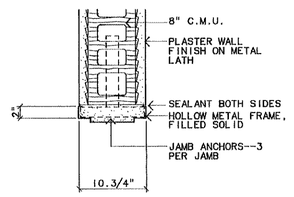
13 A7.4 JAMB 1.1/2"=1'-0"



18 A7.4 SILL 1.1/2"=1'-0"

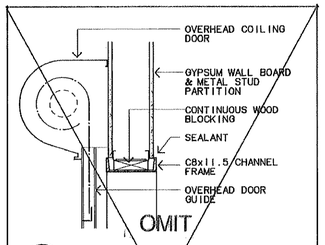


23 A7.4 SILL 3"=1'-0"

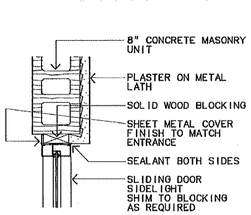


4 A7.4 JAMB 1.1/2"=1'-0"

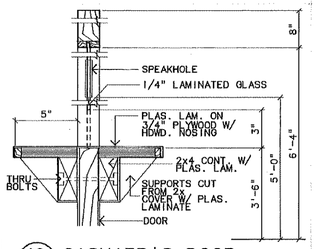
08110-18



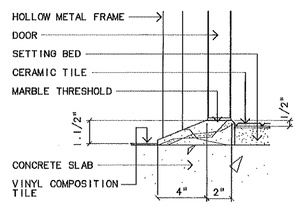
9 A7.4 HEAD 1.1/2"=1'-0"



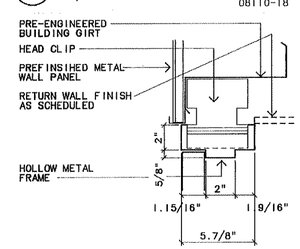
14 A7.4 JAMB 1.1/2"=1'-0"



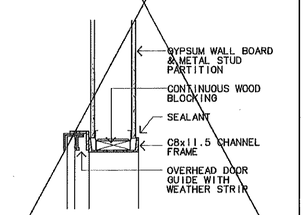
19 A7.4 CASHIER'S DOOR 3"=1'-0"



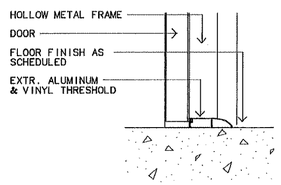
24 A7.4 SILL 3"=1'-0"



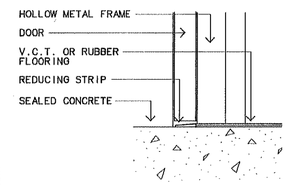
5 A7.4 HEAD (JAMB SIMILAR) 3"=1'-0"



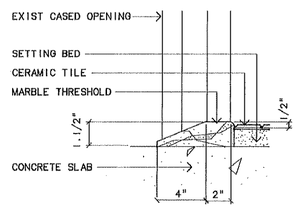
10 A7.4 JAMB 1.1/2"=1'-0"



15 A7.4 SILL 3"=1'-0"



20 A7.4 SILL 3"=1'-0"



25 A7.4 SILL 3"=1'-0"

STATE OF ALABAMA
7208
JAMES G RICHARDSON
REGISTERED ARCHITECT

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPRVD

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

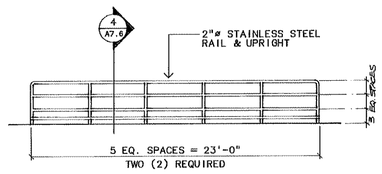
TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
DETAILS

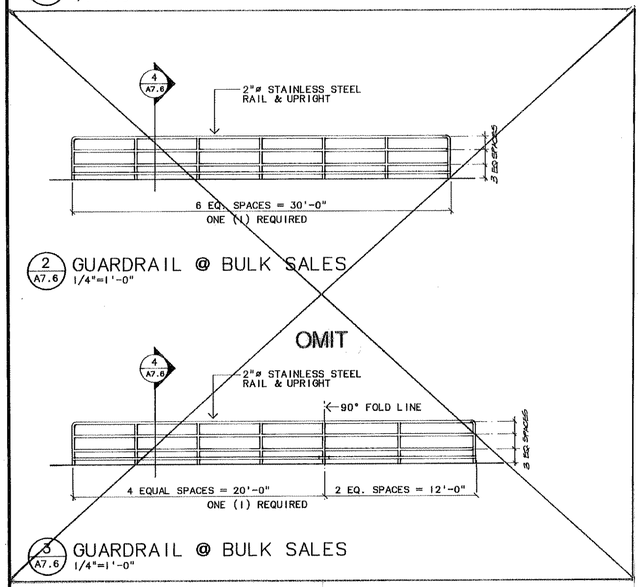
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY RA	CHECKED BY RA	SCALE VARIES	DATE 5/16/90
DRAWN BY R & A	PROJECT NO JUBJ860701	SHEET 27 OF 65	DRAWING NO 000811-9001

A7.4

DIELTON BLUEPRINT & SUPPLY 334-244

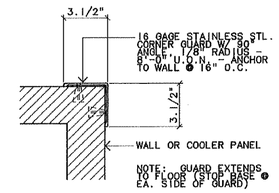


1 A7.6 GUARDRAIL @ ENTRY VESTIBULE
1/4"=1'-0"

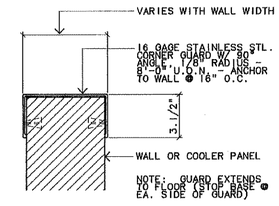


2 A7.6 GUARDRAIL @ BULK SALES
1/4"=1'-0"

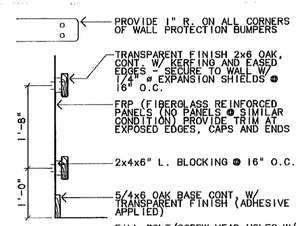
3 A7.6 GUARDRAIL @ BULK SALES
1/4"=1'-0"



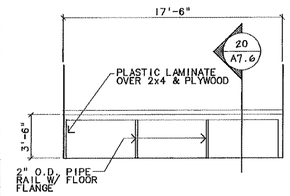
8 A7.6 CORNER GUARD 1 (CG -1)
3"=1'-0"



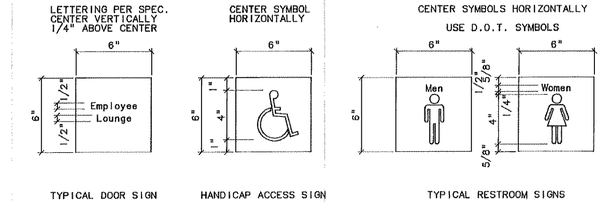
9 A7.6 CORNER GUARD 2 (CG -2)
3"=1'-0"



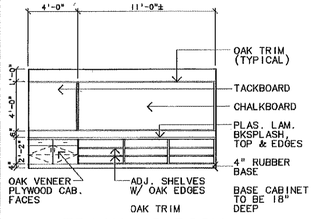
10 A7.6 WALL BUMPER DETAIL
1"=1'-0"



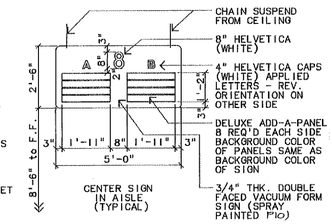
13 A7.6 WORK COUNTER ELEV.
1/4"=1'-0"



18 A7.6 DOOR SIGNS
3"=1'-0"

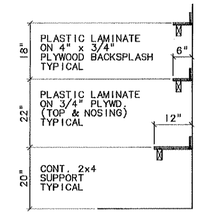


14 A7.6 TRAINING ROOM CABINET ELEVATION
1/4"=1'-0"

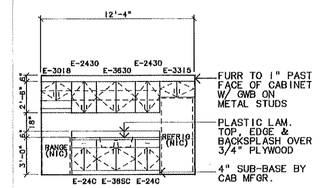


19 A7.6 AISLE SIGN (AS)
1/2"=1'-0"

10426-01

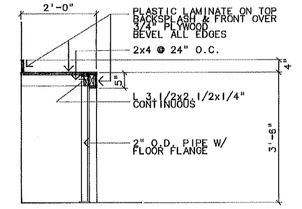


23 A7.6 SHELVES @ EGG CAND.
3/4"=1'-0"

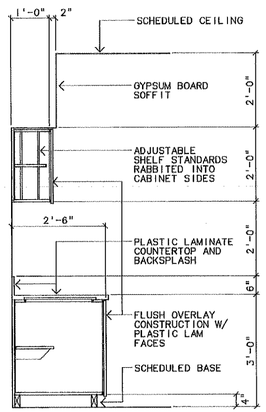


WALL UNITS TO BE 12.3/4" DEEP
NUMBERS SHOWN ARE FOR ST. CHARLES MANUFACTURING CO. STEEL CABINETS

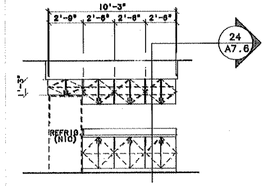
15 A7.6 MED. FOOD INSPECT. CABINET ELEVATION
1/4"=1'-0"



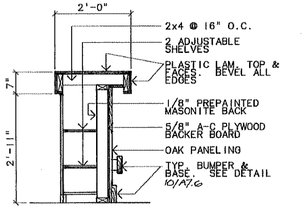
20 A7.6 MILLWORK SECTION
3/4"=1'-0"



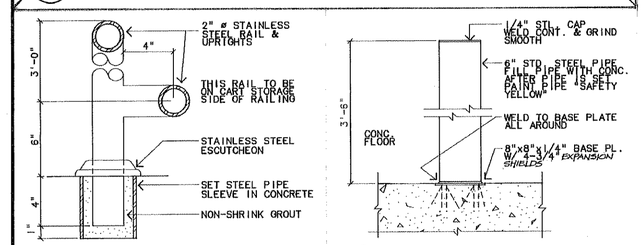
24 A7.6 MILLWORK SECTION
3/4"=1'-0"



16 A7.6 EMPLOYEE LOUNGE CABINET ELEVATION
1/4"=1'-0"

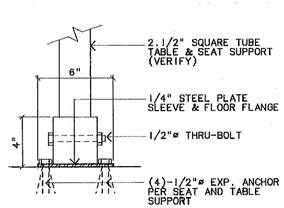


21 A7.6 MILLWORK SECTION
3/4"=1'-0"

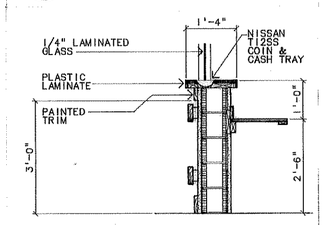


4 A7.6 CART GUARDRAIL DET.
3"=1'-0"

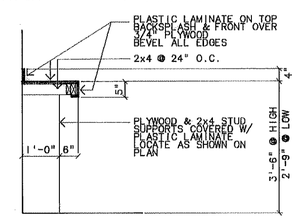
6 A7.6 PIPE GUARD 1 (PG-1)
1.1/2"=1'-0"



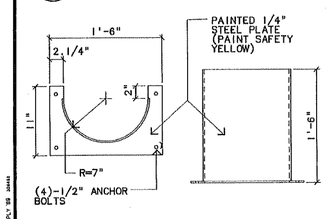
11 A7.6 SEATING UNIT ANCHOR DETAIL
3"=1'-0"



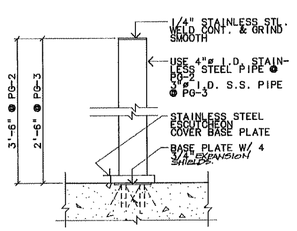
17 A7.6 COIN TRAY DETAIL
3/4"=1'-0"



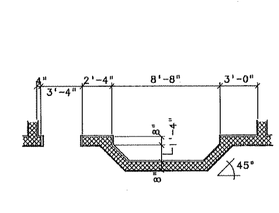
22 A7.6 MILLWORK SECTION
3/4"=1'-0"



5 A7.6 RACK PROTECTOR (RP)
1.1/2"=1'-0"



7 A7.6 PIPE GUARDS 2 & 3 (PG-2) (PG-3)
1.1/2"=1'-0"



12 A7.6 PLAN SECTION BELOW CASHIER'S COUNTER
1/4"=1'-0"

STATE OF ALABAMA
2280
JAMES G RICHARDSON
REGISTERED ARCHITECT

REVISIONS				
REV.	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

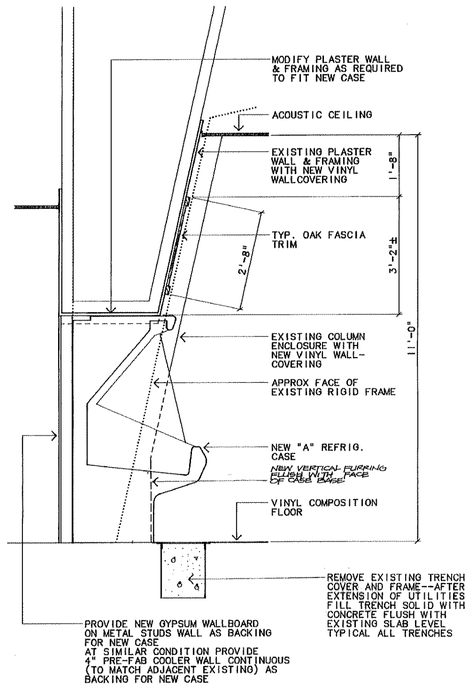
SUBTITLE
DETAILS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BW	ASSOC CIVIL ENGR	BASE CIVIL ENGR

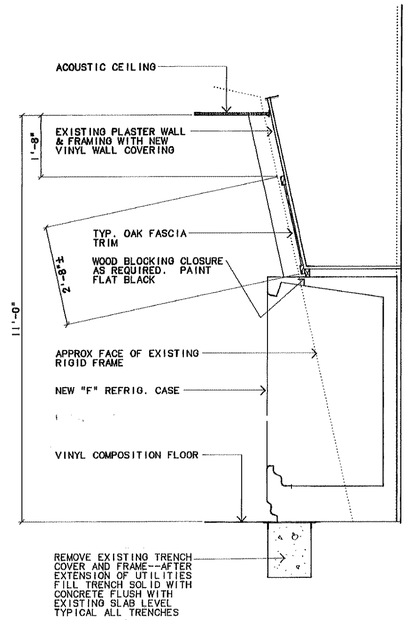
DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	VARIES	5/16/90
DRAWN BY	PROJECT NO.	SHEET	DRAWING NO.
R & A	JUBJ860701	29 OF 65	000811-0001

A7.6

SHELTON BLUEPRINT & SUPPLY 88 36444



1 A7.7 WALL SECTION
3/4"=1'-0"



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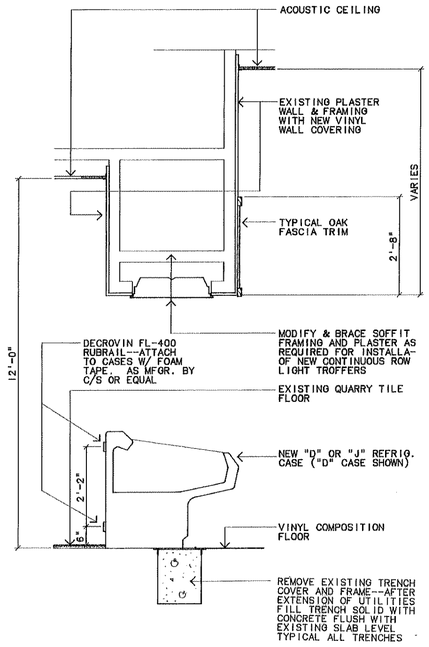
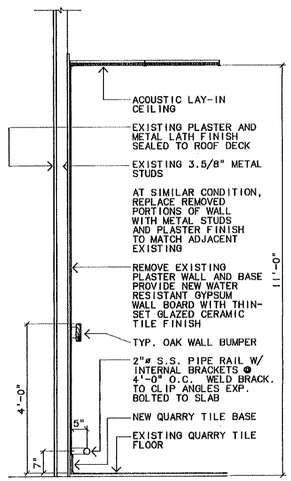
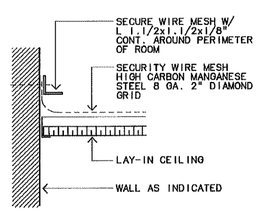
3/4"=1'-0"



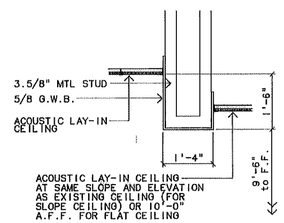
3 A7.7 WALL SECTION
3/4"=1'-0"



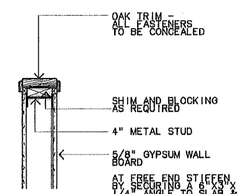
4 A7.7 WALL SECTION
3/4"=1'-0"



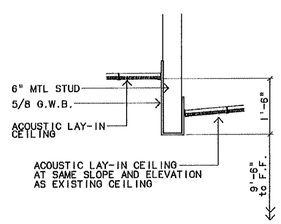
5 A7.7 SECURITY CEILING
3"=1'-0"



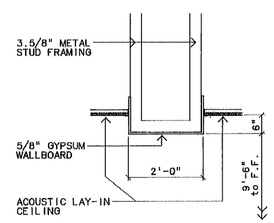
7 A7.7 CEILING SECTION
3/4"=1'-0"



9 A7.7 DETAIL
1.1/2"=1'-0"



6 A7.7 CEILING SECTION
3/4"=1'-0"



8 A7.7 CEILING SECTION
3/4"=1'-0"

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY

ENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

EXAMINER CONTROL

OPERATIONS

STATE OF ALABAMA
2318
JAMES G RICHARDSON
REGISTERED ARCHITECT

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

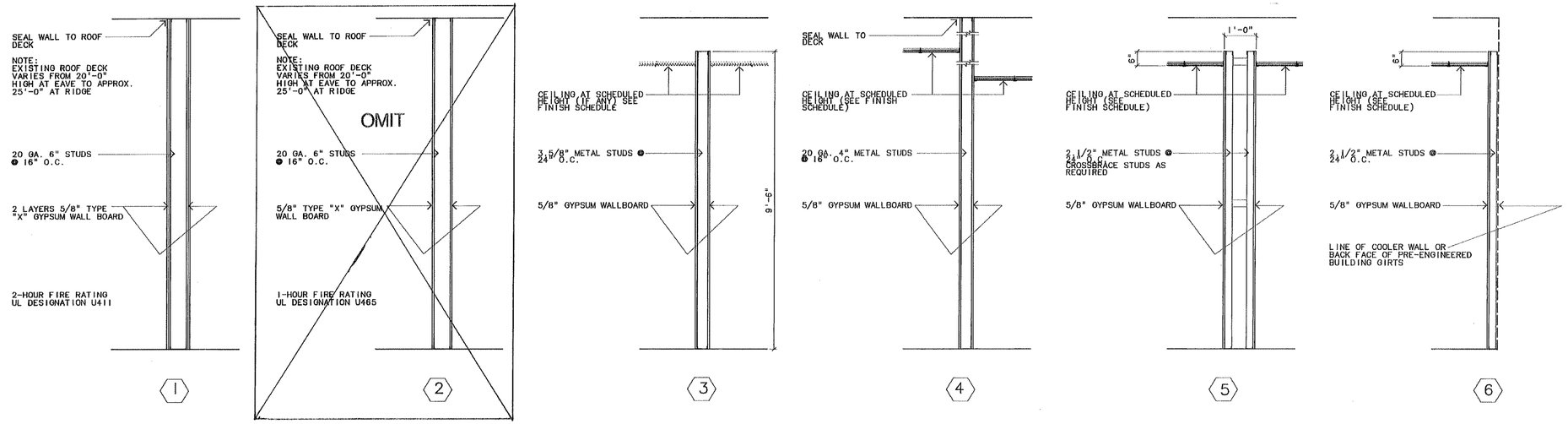
TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
DETAILS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR DIV	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY: RA	CHECKED BY: RA	SCALE: VARIES	DATE: 5/16/90
DRAWN BY: R & A	PROJECT NO: JUDJ860701	SHEET 30 OF 65	DRAWING NO: 000811-9001

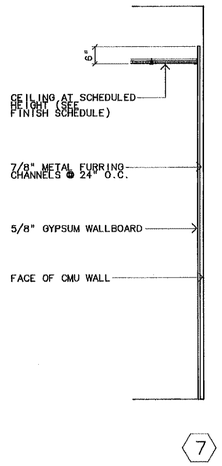
A7.7

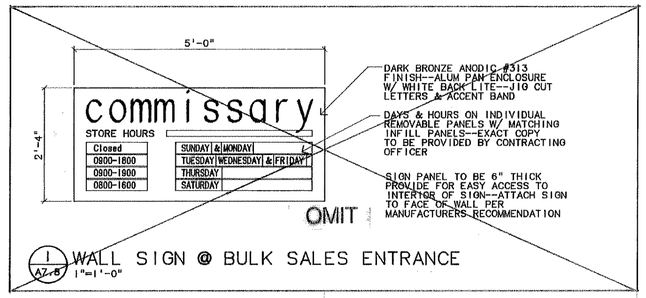
SHELTON BLUEPRINT & SUPPLY '89 304448



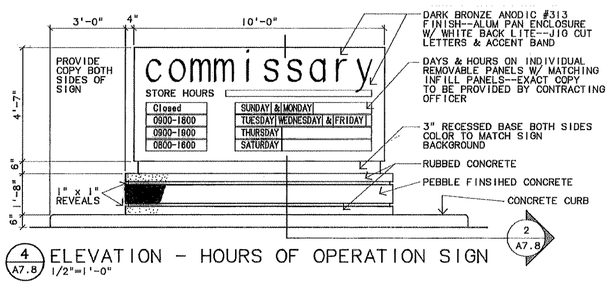
PARTITION TYPES

NO SCALE

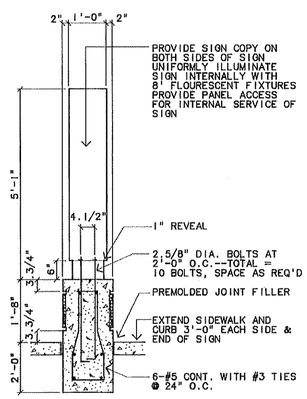




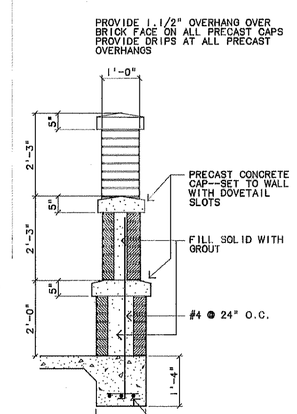
1 A7.8 WALL SIGN @ BULK SALES ENTRANCE
1"=1'-0"



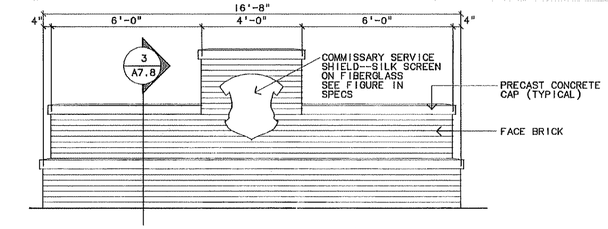
4 A7.8 ELEVATION - HOURS OF OPERATION SIGN
1/2"=1'-0"



2 A7.8 SIGN SECTION
3/4"=1'-0"



3 A7.8 SIGN SECTION
3/4"=1'-0"



5 A7.8 SIGN ELEVATION
1/2"=1'-0"

STATE OF ALABAMA
22681
JAMES G RICHARDSON
REGISTERED ARCHITECT

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: INTERIOR PARTITION TYPES

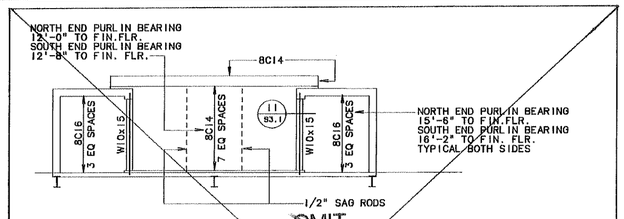
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	NO SCALE	5/16/90

DRAWN BY	PROJECT NO	SHEET	DRAWING NO
R&A	JUBJ860701	31 OF 65	000811-0001

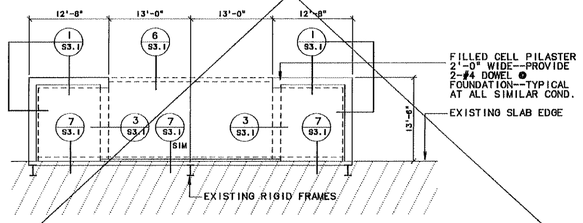
A7.8

SKELTON BLUEPRINT & SUPPLY 334-244



OMIT

BULK SALES ADDITION - FRAMING PLAN
1/8"=1'-0"

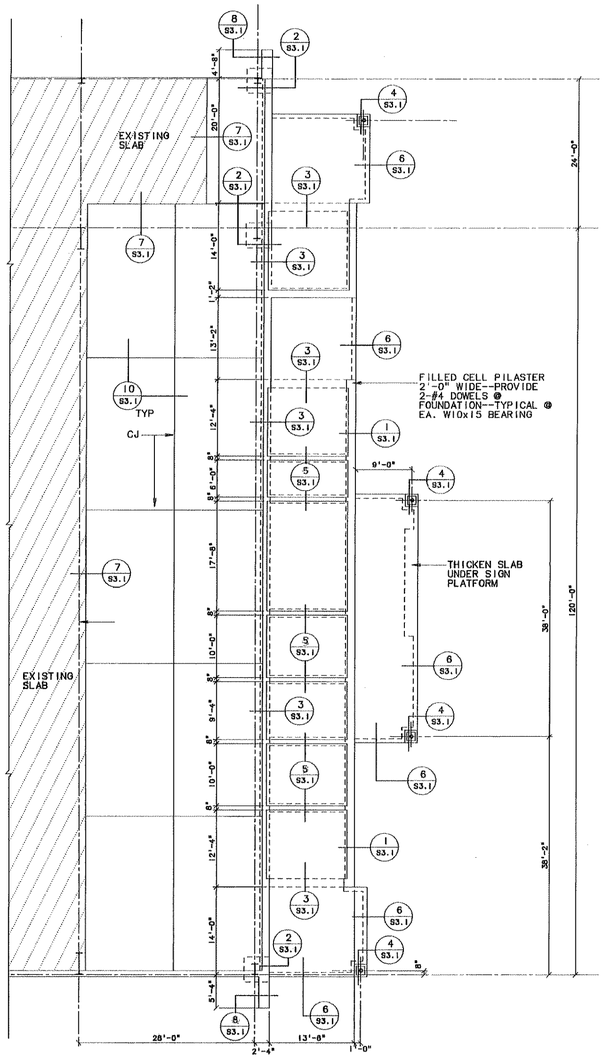


BULK SALES ADDITION - FOUNDATION PLAN
1/8"=1'-0"

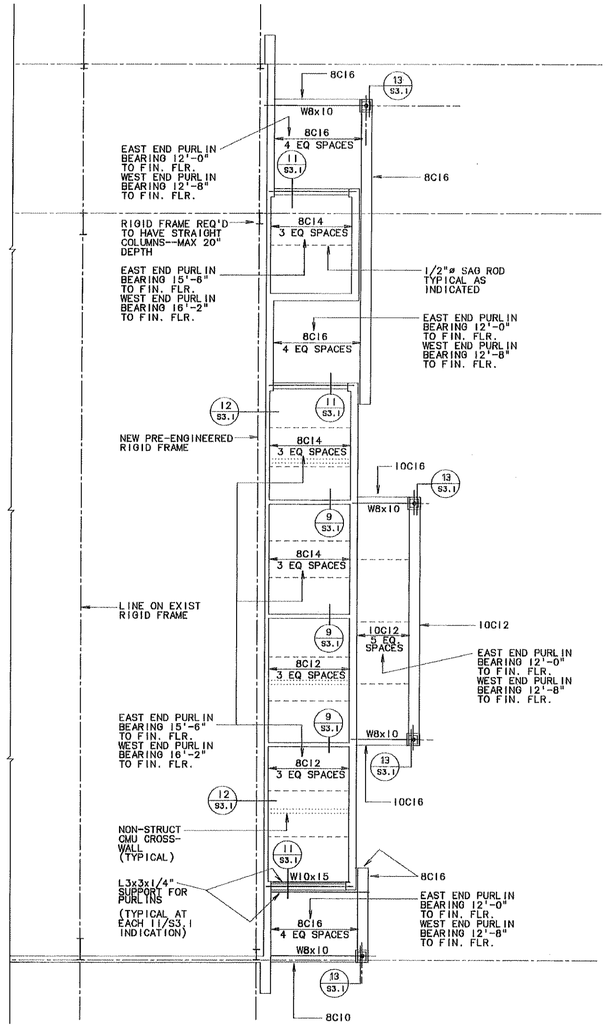
GENERAL NOTES

FOUNDATION
1. FOOTINGS WERE DESIGNED FOR AN ALLOWABLE SOIL BEARING OF 3,000 PSF
2. ELEVATIONS SHOWN ARE MINIMUM DEPTH--DIFFERENT OF UNUSUAL CONDITIONS SHALL BE REPORTED TO THE CONTRACTING OFFICER
3. ALL FOOTING REINFORCEMENT SHALL BE HELD SECURELY FROM THE GROUND--CONCRETE BLOCK AND BROKEN TILE SHALL NOT BE USED--CONCRETE OR CLAY BRICK MAY BE USED
4. PROVIDE 1/2" PREFORMED EXPANSION JOINT AS REQUIRED AND WHERE INDICATED
5. IN GRADE BEAMS, PROVIDED CORNER BARS ALL EXTERIOR CORNERS, 4'-0"x4'-0", SAME AS HORIZONTAL REINFORCEMENT

CONCRETE
1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF 4,000 PSI.
2. TYPICAL BUILDING SLAB ON GRADE--4" CONCRETE SLAB WITH 6x6 8/8 WWF--ELEVATION TO MATCH EXISTING SLAB EXCEPT SLOPE EXTERIOR SLABS 1/8"/FOOT
3. SEE ARCHITECTURAL FOR DETAILS OF INSULATED FREEZER SLAB



FOUNDATION PLAN - EAST ADDITION
1/8"=1'-0"

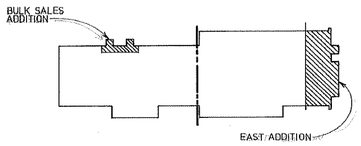


ROOF FRAMING PLAN - EAST ADDITION
1/8"=1'-0"

STATE OF ALABAMA
22188
JAMES G RICHARDSON
REGISTERED ARCHITECT

LINTEL SCHEDULE

MARK OR LOCATION	MAX. SPAN	TYPE	SIZE	REINF.
1'-2" EXTERIOR BLOCK & BRICK WALL	8'-0"	U-BLOCK LOOSE L	8x16 L-6x4x3/8	#5 T & B
1'-2" EXTERIOR BLOCK & BRICK WALL	5'-4"	U-BLOCK LOOSE L	8x16 L-4x4x1/4	#5 T & B
8" INTERIOR BLOCK WALL	8'-8"	U-BLOCK	8"x16" DEEP	#5 T & B
8" INTERIOR BLOCK WALL	3'-4"	U-BLOCK	8"x8"	#5 BOT. #4 TOP



REVISIONS

REV	DATE	DESCRIPTION	SYM	APPRD

SAFETY
ENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
FOUNDATION CONTROL
VIBRATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
STRUCTURAL PLANS

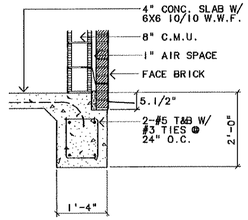
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	1/8"=1'-0"	5/16/90

DRAWN BY	PROJECT NO.	SHEET	SERVICING NO.
R & A	JUBJ860701	33 of 65	000811-9001

S2.1

SKELTON BLUEPRINT & SUPPLY 38 BHAM



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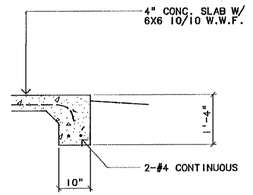

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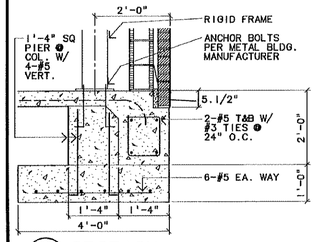

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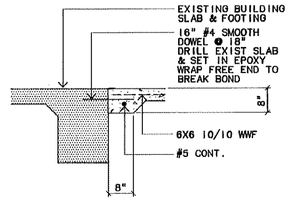

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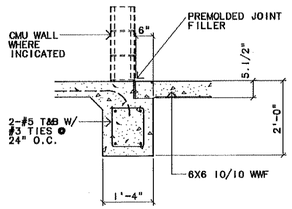

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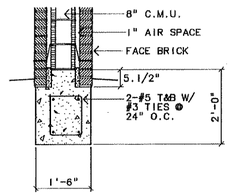

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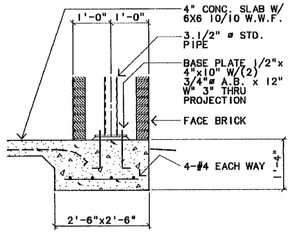

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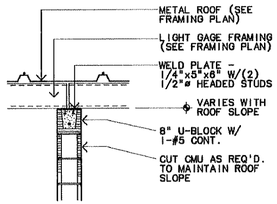

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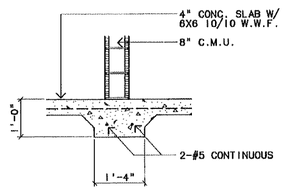

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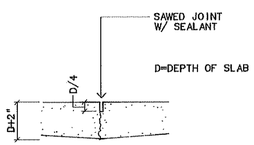

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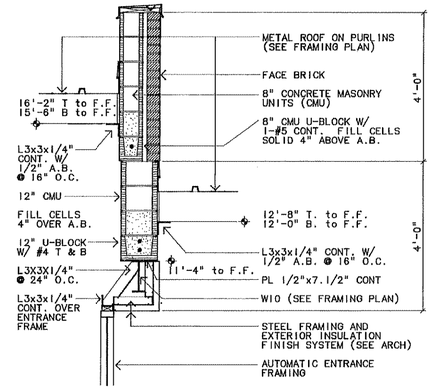

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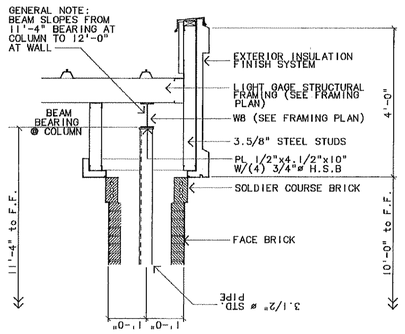

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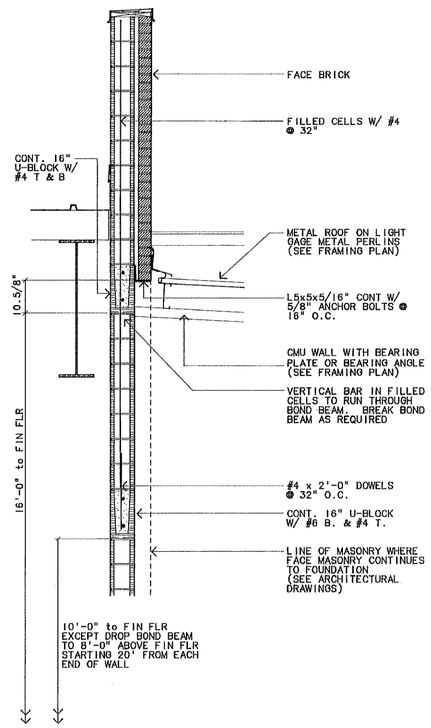


12 S3.1 WALL SECTION 3/4"=1'-0"

STATE OF ALABAMA
2288
JAMES G RICHARDSON
REGISTERED ARCHITECT

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
ENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811 GUNTER AFB AL

SUBTITLE: STRUCTURAL DETAILS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY RA	CHECKED BY RA	SCALE 3/4" = 1'-0"	DATE 5/16/90
DRAWN BY R & A	PROJECT NO JUBJ860701	SHEET 34 OF 65	DRAWING NO 000811-8001

S3.1

SKELTON BLUEPRINT & SUPPLY, TEL 264-4444

AIR HANDLING UNIT SCHEDULE

MARK	CFM TOTAL	CFM OA	CHILLED WATER COOLING COIL MBH	EAT DB	EAT WB	LAT DB	LAT WB	EWT	LWT	GPM	WPD	APD	ROWS	MAX FACE VELOCITY	HOT WATER PREHEAT COIL MBH	LAT	EWT	LWT	GPM	WPD	APD	MAX FACE VELOCITY	FAN DATA TSP	ESP	HP	VOLT/ PHASE	REMARKS
AH-1	1000	100	27.0	79.7	66.2	58.5	57.8	45	55	5.5	4.0	.25	4	500	45	110	160	157	4.0	4.0	.15	500	2.0	1.0	1	460/3	1
AH-2	1800	–	40.0	78	65	58.0	57.5	45	55	8.0	4.0	.60	6	550	–	–	–	–	–	–	–	–	2.0	1.0	1 1/2	460/3	1

REMARKS:
1. PROVIDE HIGH CAPACITY FILTER BOX AND VIBRATION ISOLATORS.

PACKAGED DESICCANT DEHUMIDIFIER SCHEDULE

MARK	SUPPLY FAN CFM	ESP	TSP	HP	VOLT/PHASE	PROCESS FAN HP	VOLT/PHASE	REACTIVATION FAN CFM	ESP	TSP	HP	VOLT/PHASE	REACTIVATION HEATER TYPE	INPUT	OUTPUT	CHILLED WATER COIL MBH	GPM	EWT	LWT	EAT	LAT	ROWS	APD	WPD	HOT WATER REHEAT COIL MBH	EAT	LAT	EWT	LWT	GPM	WPD	APD	OUTSIDE AIR CFM	DEHUMIDIFIER #/HR
DHU-1	17500	1.5	4.5	20	480/3	3	480/3	3200	.75	4.2	7.5	480/3	GAS	300	240	625	100	44	54.5	88/62.5	61/52.2	6	.9	5.0	600	68	100	180	150	40	5.0	.15	1800	154

NOTE:

PROVIDE SPACE FOR FUTURE 6-ROW HEAT RECLAIM COIL

PROVIDE CHILLED WATER CONTROL VALVE, 3-WAY WITH VALVE POSITIONER, CV=63.0, FLANGED 2-1/2" DIAMETER.

PROVIDE CHILLED WATER CONTROL VALVE, 3-WAY WITH VALVE POSITIONER, CV=25.0

AIR COOLED CHILLER SCHEDULE

MARK	MINIMUM CAPACITY – TONS	EWT	LWT	GPM	WPD	AMBIENT TEMP.	COMPRESSORS #	RLA EA	FANS #	FLA EA	VOLT/ PHASE	EER
CH-1	52.5	54.0	44.0	130	14	95	4	23.5	6	1.8	480/3	9.5

BASE MOUNTED PUMP SCHEDULE

MARK	GPM	HEAD	VOLT/PHASE	HP	EFFICIENCY %	SERVICE	BASIS
P-1	130	85	480/3	5	66	CHILLED WATER	PEERLESS F1125
P-2	75	75	480/3	5	60	HOT WATER	PEERLESS F1020A

FAN SCHEDULE

MARK	CFM	SP	POWER	VOLT/PHASE	SONES	RPM	TYPE	DRIVE	REMARKS	COOK #
EF-1	500	.25	1/6 HP	120/1	6.2	1250	CENTRIFUGAL	BELT	1	100R2B
EF-2	400	.25	1/6 HP	120/1	4.5	1000	CENTRIFUGAL	BELT	1	100R2B
EF-3	600	.25	1/4 HP	120/1	6.5	1300	CENTRIFUGAL	BELT	2	

REMARKS:
1. ROOF MOUNTED WITH UNIT MOUNTED DISCONNECT, BACKDRAFT DAMPER, ROOF CURB, CONTROL FROM LIGHTS IN AREA SERVED.
2. ROOF MOUNTED WITH UNIT MOUNTED DISCONNECT, BACKDRAFT DAMPER, ROOF CURB, CONTROL FROM SWITCH ON HOOD.

BOILER SCHEDULE

MARK	MBH INPUT	MBH OUTPUT	GPM	EWT	LWT	WPD	REMARKS
BR-1	1000	735	90	156	180	5'	CAST IRON EQUAL TO WEIL McCLAIN LGB-8W PROVIDE LOW WATER CUT-OFF & ASME RELIEF VALVE

DUCT MOUNTED REHEAT COIL SCHEDULE

MARK	CFM	EAT	LAT	MBH	EWT	LWT	GPM	WPD	APD	SIZES DUCT	SIZES COIL	RUNOUT DIA	REMARKS
HC-1	175	58	100	8.0	180	160	1.0	5.0	.15	8/6	12/6	1/2"	
HC-2	400	58	100	18.0	180	160	2.0	5.0	.15	12/18	12/12	3/4"	

AIR COOLED CONDENSING UNIT SCHEDULE

MARK	CAPACITY BTU/HR	SST	AMBIENT	VOLT/ PHASE	COMPRESSOR #	RLA EA	FANS #	FLA EA	PIPE SIZES RS	RL
CU-1	24700	40°	95	208/1	1	12.1	1	1.2	7/8"	1/8"

FAN COIL UNIT SCHEDULE

MARK	CFM TOTAL	OA	FAN WATTS	VOLT/ PHASE	COOLING CAPACITY – MBH SENSIBLE	TOTAL	TYPE	GPM	WPD	EWT	SST	HEATING CAPACITY MBH	GPM	WPD	EWT	REMARKS	RUNOUT DIAMETERS CWS/R	HWS/R
FC-1	1000	0	410	120/1	25.0	26.0	DX	–	–	–	40	–	–	–	–	1,2	N/A	N/A
FC-2	700	0	340	120/1	13.5	14.5	CW	3.5	5.0	44	–	25	2.5	3.0	180	3,4	3/4"	3/4"
FC-3	400	20	190	120/1	6.2	7.0	CW	2.0	10.0	44	–	8.0	0.5	1.0	180	3,5	3/4"	1/2"
FC-4	400	20	190	120/1	6.2	7.0	CW	2.0	10.0	44	–	8.0	0.5	1.0	180	3,5	3/4"	1/2"
FC-5	900	100	1/3 HP	120/1	20.0	31.0	CW	6.0	3.0	44	–	16	2.0	1.0	180	3,4	1"	3/4"

REMARKS:
1. CAPACITY BASED ON ENTERING AIR OF 78/65.
2. PROVIDE 7 KW AUXILIARY ELECTRIC HEAT, SINGLE STAGE, 208V/3 PHASE. UNIT TO HAVE SINGLE POINT ELECTRICAL CONNECTION.
3. CAPACITY BASED ON COOLING EAT OF 80/67. HEATING EAT OF 70.
4. VERTICAL CLOSET TYPE, CFM AT 0.3-INCHES ESP.
5. VERTICAL CABINET TYPE.

WHP SCHEDULE

MARK	ARI BTU/HR COOLING	HEATING	AUX KW	CFM TOTAL	OA	VOLT/ PHASE	MAX. UNIT FLA LESS AUX. HEAT
WHP-1	4000	3800	2.0	250	40	208/1	4.3
WHP-2	4000	3800	2.0	250	40	208/1	4.3

ABBREVIATIONS

APD	AIR PRESSURE DROP
AHU	AIR HANDLING UNIT
AD	ACCESS DOOR
AS	AIR SEPARATOR
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CONN	CONNECTION
CH	AIR COOLED CHILLER
CU	CONDENSING UNIT
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
DB	DRY BULB
DG	DOOR GRILLE
EA	EACH
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EWB	ENTERING WET BULB
EAT	ENTERING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
FD	FIRE DAMPER
FLA	FULL LOAD AMPERES
FT	FEET (OR FOOT)
FPM	FEET PER MINUTE
FV	FACE VELOCITY
GA	GAUGE
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MBH	1000 BTU PER HOUR
MU	MAKE-UP (WATER)
MVD	MANUAL VOLUME DAMPER
OA	OUTSIDE AIR
OED	OPEN END DUCT
P	PUMP
RAG	RETURN AIR GRILLE
RLA	RATED LOAD AMPS
SD	SMOKE DETECTOR
S.P.	STATIC PRESSURE
SST	SATURATED SUCTION TEMPERATURE
TSP	TOTAL STATIC PRESSURE
WB	WET BULB
WPD	WATER PRESSURE DROP

LEGEND

	POSITIVE PRESSURE DUCT
	NEGATIVE PRESSURE DUCT
	SQUARE ELBOW WITH TURNING VANES
	RADIUS ELBOW WITH TURNING VANES
	PITCH PIPE DOWN IN DIRECTION OF ARROW
P_U_(D)	PITCH DUCT UP OR DOWN IN DIRECTION OF ARROW
(T)	THERMOSTAT
MTS	MARK TIME SWITCH
	FLEXIBLE CONNECTOR (DUCT)
FLEXIBLE	FLEXIBLE ROUND DUCT WITH AIR SCOOP AND DAMPER
	GATE VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	PRESSURE GAGE WITH COCK AND SNUBBER
	THERMOMETER
	AUTOMATIC AIR VENT
	REDUCER
	STRAINER WITH VALVED BLOW-OFF
	LUG-TYPE SILENT CHECK VALVE
	DIRECTION OF FLOW
	SQUARE HEAD BALANCING COCK
	CALIBRATED BRONZE BALANCE VALVE
	CONTROL VALVE – THREE WAY
	CONNECTION OF NEW TO EXISTING
D	CONDENSATE DRAIN
	REDUCER
RS	REFRIGERANT SUCTION
RL	REFRIGERANT LIQUID
	SLIDE-IN FILTER RACK
MD	MANUAL VOLUME DAMPER
CD	CONTROL DAMPER
	4-WAY THROW CEILING DIFFUSER
	3-WAY THROW CEILING DIFFUSER
	2-WAY THROW CEILING DIFFUSER
DG	DOOR GRILLE
ø	DIAMETER

GENERAL MECHANICAL NOTES

1. EXHAUST HOOD IN BAKERY TO BE 48" x 30" x 42" HIGH, STAINLESS STEEL WITH ALUMINUM MESH FILTER. PROVIDE GALVANIZED STEEL RISER DUCT. DUCT CONSTRUCTION TO BE SMACNA 1/2" PRESSURE CLASS. PROVIDE ON-OFF SWITCH FOR EF-3 ON FACE OF HOOD.
2. DO NOT SCALE THESE DRAWINGS. CONTRACTOR SHALL VISIT THE SITE FOR EXACT DIMENSIONS OF EXISTING BUILDING AND SYSTEMS. CONTRACTOR SHOULD REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF NEW CONSTRUCTION.
3. PHASING IS CRITICAL. REFER TO PHASING DRAWINGS. PROVIDE A DETAILED PHASING OUTLINE WITH MAXIMUM SHUT-DOWN TIMES LISTED. AIR HANDLING UNIT SYSTEM TOTAL SHUT-DOWN SHALL NOT EXCEED 60 CONTINUOUS HOURS AT ANY ONE TIME.
4. ALL NEW SUPPLY DUCTWORK TO BE 1" PRESSURE CLASS, SEAL CLASS C (REFER TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS – METAL AND FLEXIBLE, 1985 EDITION).

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG.
CORROSION CONTROL

REV.	DATE	DESCRIPTION	SYM.	APPV'D

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG. 811
GUNTER, A.F.B., AL.

SUBTITLE: SCHEDULES, NOTES & LEGEND

FOR USE BY MAJCOM HEADQRTRS. AND USAF ONLY
APPROVED FOR — DATE
APPROVED FOR — DATE
APPROVED FOR — DATE

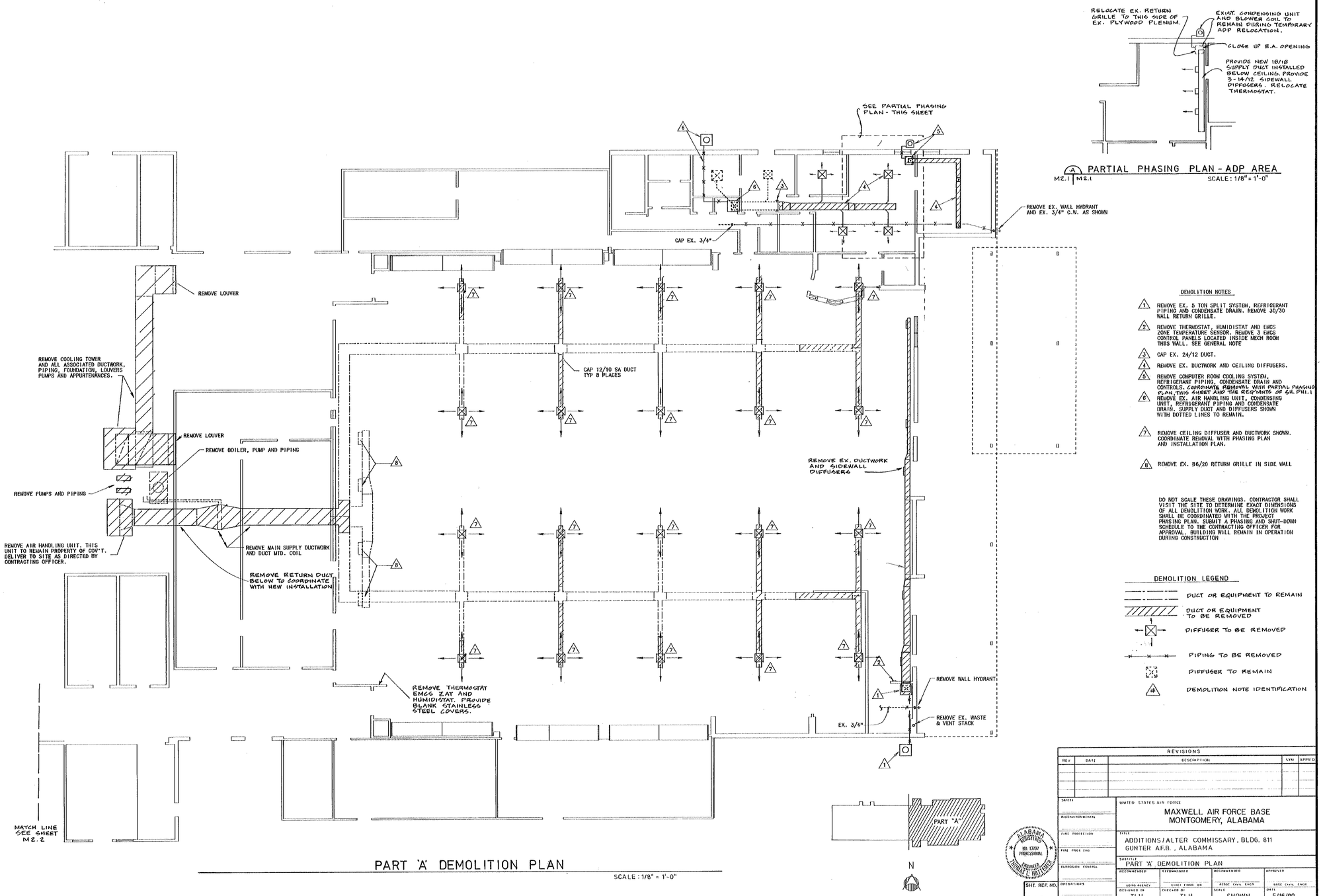
ALABAMA REGISTERED NO. 13702 PROFESSIONAL ENGINEER THOMAS L. HATCHER

SHT. REF. NO.: M1.1

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF, ENGR. BR.	ASSOC. CIVIL ENGR.	BASE CIVIL ENGR.
DESIGNED BY: TLH	CHECKED BY: TLH	SCALE: NONE	DATE: 5/16/90
DRAWN BY: JMA	PROJECT NO.: JUBJ860701	SHEET 35 OF 65	DRAWING NO.: 000811-9001

8096M1

BRUNING 44-35 (513-5)



PART 'A' DEMOLITION PLAN

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

A PARTIAL PHASING PLAN - ADP AREA

M2.1 | M2.1

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

DEMOLITION NOTES

1. REMOVE EX. 5 TON SPLIT SYSTEM, REFRIGERANT PIPING AND CONDENSATE DRAIN. REMOVE 30/30 WALL RETURN GRILLE.
2. REMOVE THERMOSTAT, HUMIDISTAT AND EMCS ZONE TEMPERATURE SENSOR. REMOVE 3 EMCS CONTROL PANELS LOCATED INSIDE MECH ROOM THIS WALL. SEE GENERAL NOTE
3. CAP EX. 24/12 DUCT.
4. REMOVE EX. DUCTWORK AND CEILING DIFFUSERS.
5. REMOVE COMPUTER ROOM COOLING SYSTEM, REFRIGERANT PIPING, CONDENSATE DRAIN AND CONTROLS. COORDINATE REMOVAL WITH PARTIAL PHASING PLAN THIS SHEET AND THE REQ'MNTS OF SH. FM.1
6. REMOVE EX. AIR HANDLING UNIT, CONDENSING UNIT, REFRIGERANT PIPING AND CONDENSATE DRAIN. SUPPLY DUCT AND DIFFUSERS SHOWN WITH DOTTED LINES TO REMAIN.
7. REMOVE CEILING DIFFUSER AND DUCTWORK SHOWN. COORDINATE REMOVAL WITH PHASING PLAN AND INSTALLATION PLAN.
8. REMOVE EX. 36/20 RETURN GRILLE IN SIDE WALL

DO NOT SCALE THESE DRAWINGS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE EXACT DIMENSIONS OF ALL DEMOLITION WORK. ALL DEMOLITION WORK SHALL BE COORDINATED WITH THE PROJECT PHASING PLAN. SUBMIT A PHASING AND SHUT-DOWN SCHEDULE TO THE CONTRACTING OFFICER FOR APPROVAL. BUILDING WILL REMAIN IN OPERATION DURING CONSTRUCTION

DEMOLITION LEGEND

- DUCT OR EQUIPMENT TO REMAIN
- DUCT OR EQUIPMENT TO BE REMOVED
- DIFFUSER TO BE REMOVED
- PIPING TO BE REMOVED
- DIFFUSER TO REMAIN
- DEMOLITION NOTE IDENTIFICATION

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPV'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
EUROSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITIONS/ALTER COMMISSARY, BLDG. 811
GUNTER A.F.B., ALABAMA

SUBTITLE: PART 'A' DEMOLITION PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR DIV	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90

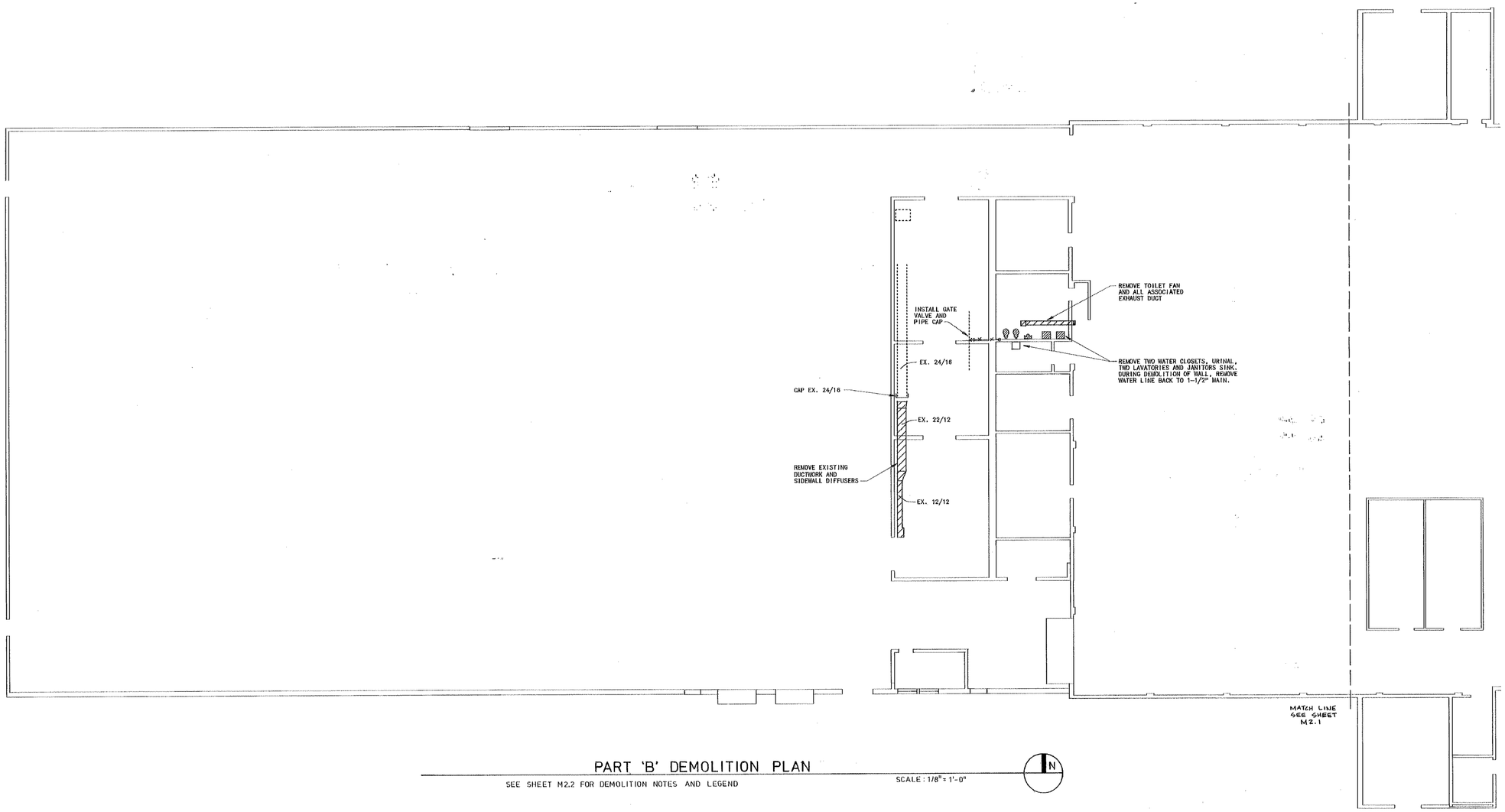
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
GS/RR	JUBJ860701	36 of 65	G00811-9001

ALABAMA REGISTERED NO. 13082 PROFESSIONAL ENGINEER THOMAS L. HATTAWAY

SHT. REF. NO. M2.1

8096ADEM

SHELTON BLUEPRINT & SUPPLY 205-444



PART 'B' DEMOLITION PLAN

SEE SHEET M2.2 FOR DEMOLITION NOTES AND LEGEND

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

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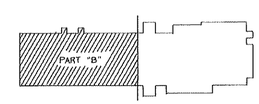

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KEY PLAN

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

CORROSION CONTROL

OPERATIONS

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITIONS / ALTER COMMISSARY, BLDG. 811
GUNTER A.F.B., ALABAMA

SUBTITLE
PART 'B' DEMOLITION PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

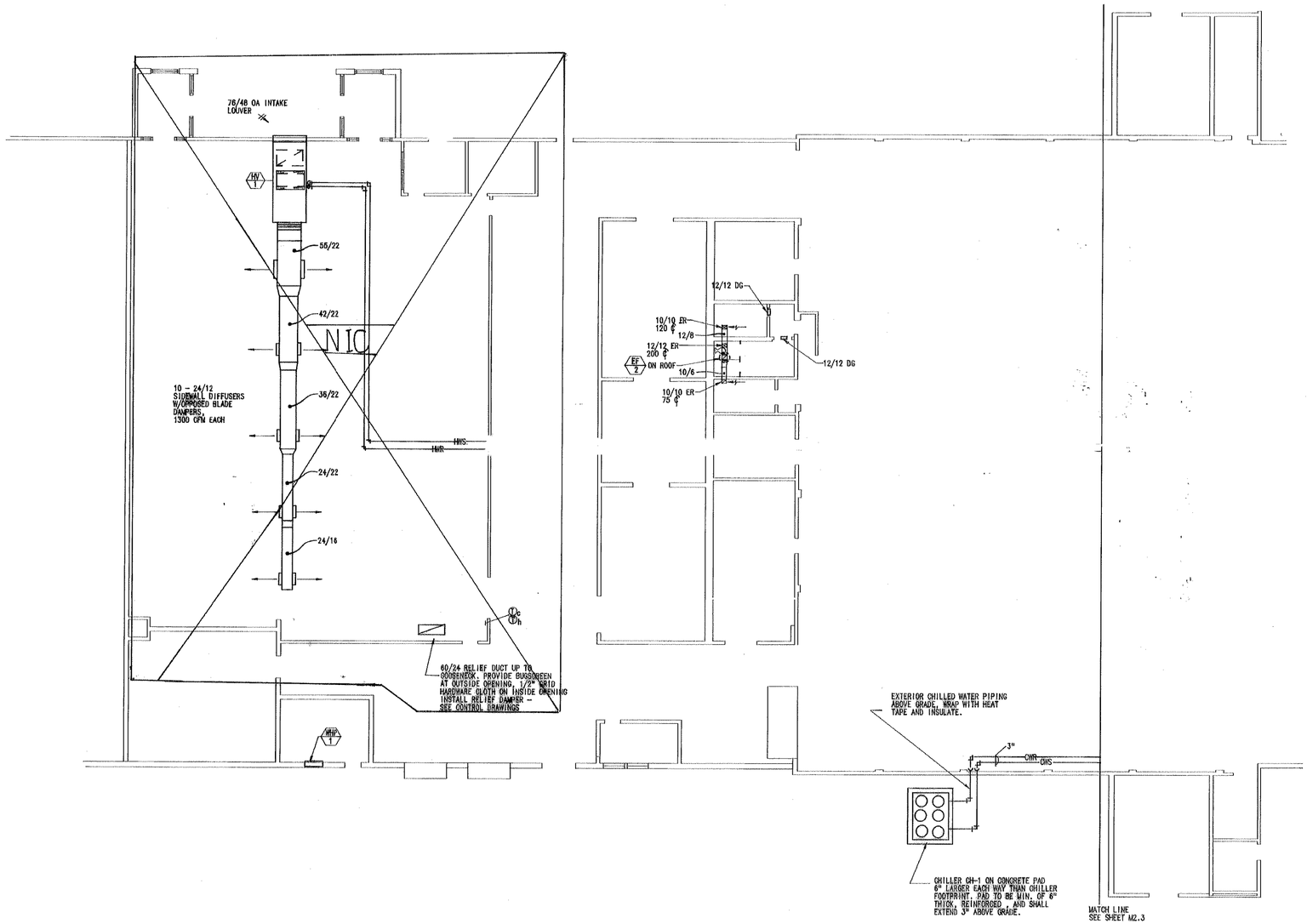
DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90

DRAWN BY	PROJECT NO	SHEET	DRAWING NO
GS / RR	JUBJ860701	37 of 55	G00811-9001

ALABAMA REGISTERED PROFESSIONAL ENGINEER THOMAS L. HATCHER NO. 13202

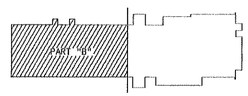
SHT. REF. NO. M 2.2

SHELTON BLUEPRINT & SUPPLY, 269-8448



PART 'B' MECHANICAL PLAN

SCALE 1\8" = 1'-0"



N

KEY PLAN

REVISIONS				
REV.	DATE	DESCRIPTION	SYM.	APPR'D

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT. ENG.

CORROSION CONTROL

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER A.F.B., ALABAMA

SUBTITLE: PART 'B' MECHANICAL PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USAFS AGENCY	CHIEF ENGR. BR.	ASSOC. CIVIL ENGR.	ASSC. CIVIL ENGR.

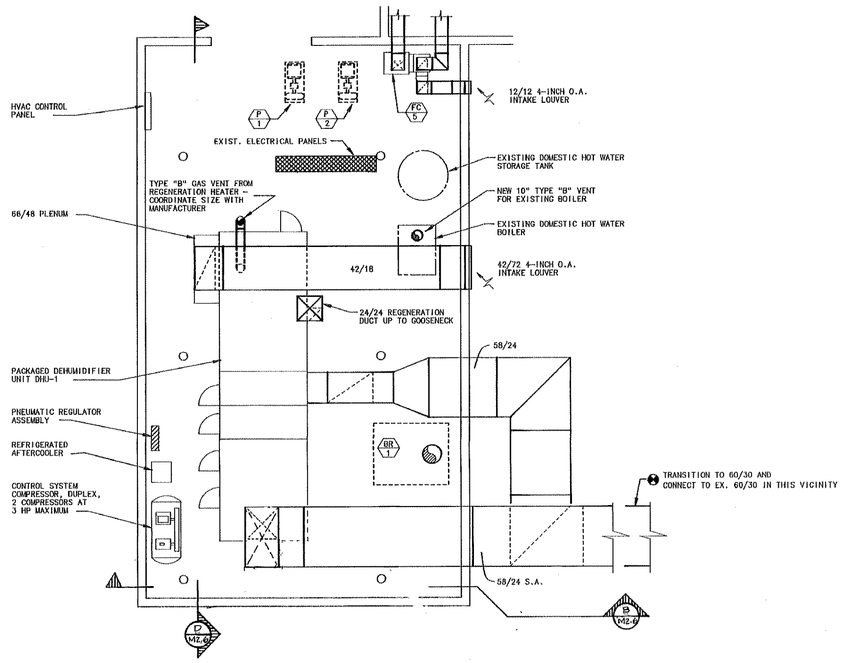
DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90

DRAWN BY	PROJECT NO.	SHEET	DRAWING NO.
GS/RR	JUB860701	39 of 65	000811-9001

ALABAMA REGISTERED PROFESSIONAL ENGINEER NO. 13202 THOMAS L. WHITEHURST

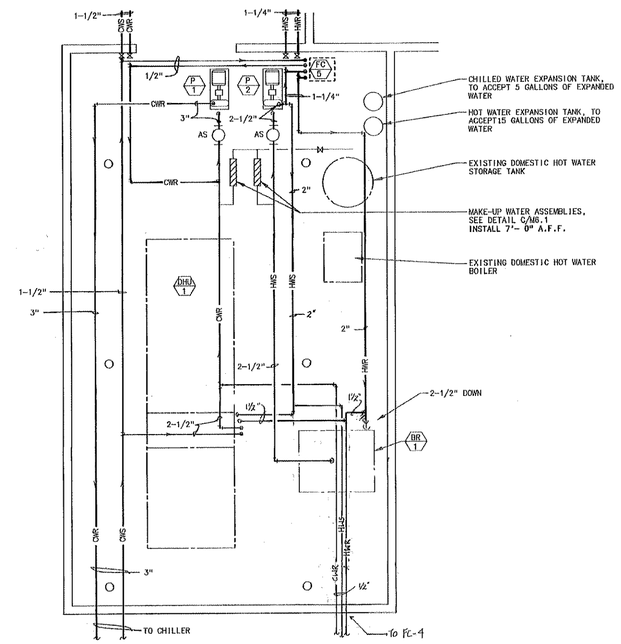
SHT. REF NO. M2.4

Fig. 11
Quadr. Mus.



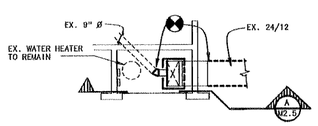
MECH ROOM 51B EQUIPMENT PLAN

SCALE: 1/4" = 1'-0



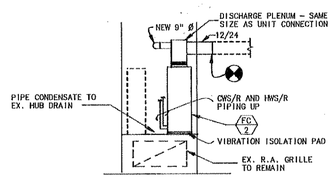
MECH ROOM 51B PIPING PLAN

SCALE: 1/4" = 1'-0



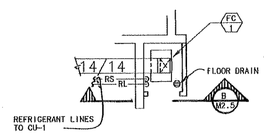
LARGE SCALE PLAN - MECH. ROOM 51E

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



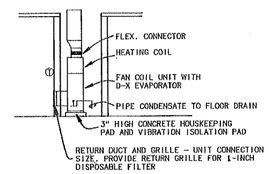
SECTION AT MECH. ROOM 51E

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



LARGE SCALE PLAN - MECH. ROOM 51F

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



SECTION AT MECH. ROOM 51F

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

REVISIONS				
REV	DATE	DESCRIPTION	STM	APPR'D

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER A.F.B., ALABAMA

SUBTITLE: LARGE SCALE PLANS

SHEET / BIOENVIRONMENTAL / FIRE PROTECTION / FIRE PROT ENG / CORROSION CONTROL / OPERATIONS

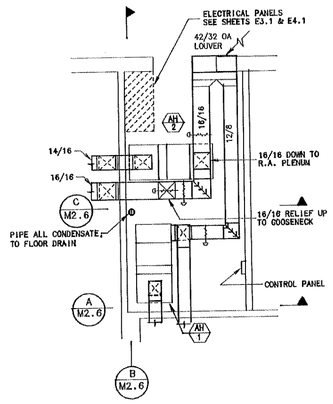
ALABAMA REGISTERED PROFESSIONAL ENGINEER NO. 13702 THOMAS J. WATTLAMES

SHT. REF. NO. M2.5

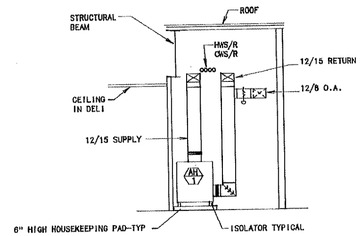
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR.	RESIDE CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY: TLH	CHECKED BY: TLH	SCALE: SHOWN	DATE: 5/16/90
DRAWN BY: GS/RR	PROJECT NO: JUBJ860701	SHEET: 40 of 65	DRAWING NO: 600811-9001

8096M4

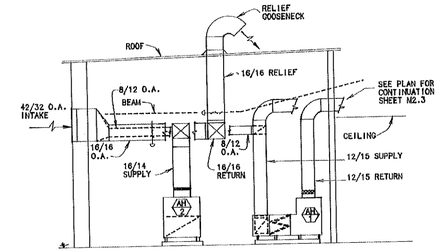
SHELTON BLUEPRINT & SUPPLY, 'B' 30444



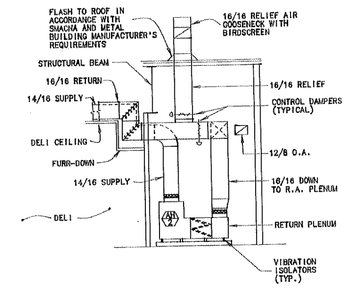
LARGE SCALE MECH ROOM 51D
SCALE: 1/4" = 1'-0



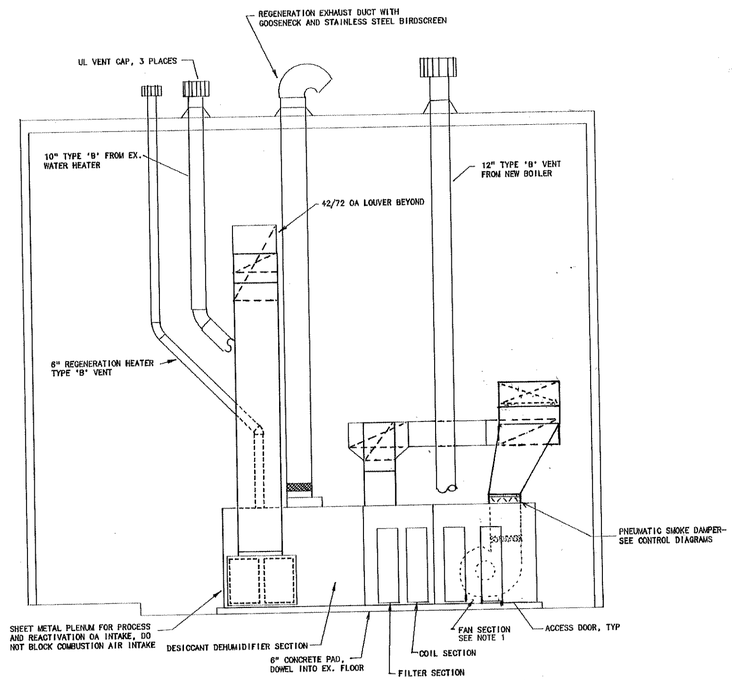
A M2.6 SECTION AT MECH ROOM 51D
SCALE 1/4" = 1'-0"



B M2.6 SECTION AT MECH ROOM 51D
SCALE 1/4" = 1'-0"



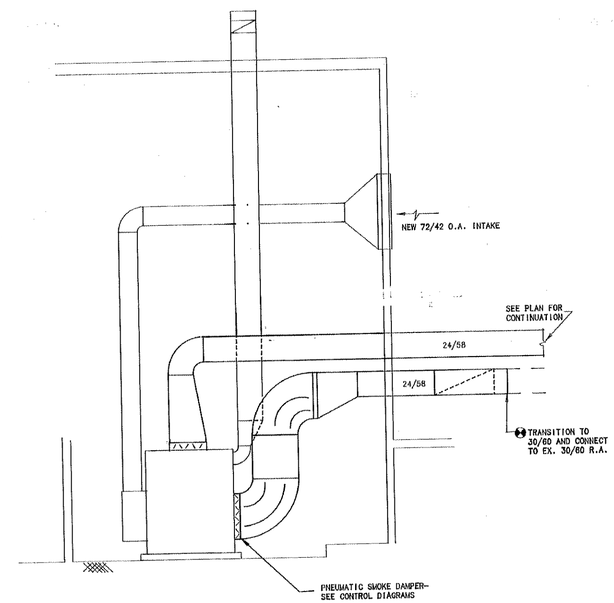
C M2.6 SECTION AT MECH ROOM 51D
SCALE 1/4" = 1'-0"



NOTES:

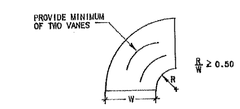
1. SUPPLY FAN TO BE DWDI, COUNTERCLOCKWISE, BOTTOM, VERTICAL DISCHARGE, VIBRATION ISOLATED
2. PROVIDE DISCHARGE DUCT, FULL SIZE OF FAN OUTLET. LENGTH OF DUCT TO BE 1 1/2 TIMES FAN DIAMETER. SMACNA 4" PRESSURE CLASS. SEAL CLASS A.

D M2.5 | M2.6 SECTION AT MECHANICAL ROOM 51B
SCALE 1/4" = 1'-0"



NOTE:
GAS VENTS, BOILER AND PIPING NOT SHOWN. SEE D/M2.5 FOR ITEMS NOT IDENTIFIED.

E M2.5 | M2.6 SECTION AT MECHANICAL ROOM 51B
SCALE 1/4" = 1'-0"



F M2.6 ELBOW DETAIL
NO SCALE

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
ENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
EUROPEAN CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER A.F.B., ALABAMA

SUBTITLE: LARGE SCALE MECH ROOMS & DETAILS

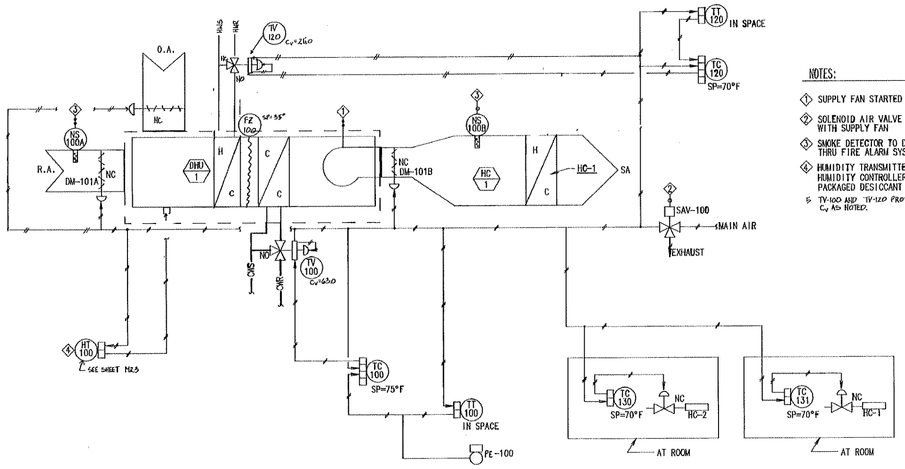
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR DIV	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY TLH	CHECKED BY TLH	SCALE SHOWN	DATE 5/16/90
DRAWN BY GWS / JMA	PROJECT NO JUBJ860701	SHEET 41 OF 65	DRAWING NO 600811-9001

ALABAMA REGISTERED NO. 11092 PROFESSIONAL ENGINEER THOMAS C. HATTAWAY

SHT. REF. NO. M2.6

8086M5

SECTION BLUEPRINT & SUPPLY '89



NOTES:

1. SUPPLY FAN STARTED THROUGH H.O.A. SWITCH
2. SOLENOID AIR VALVE (SAV) INTERLOCKED WITH SUPPLY FAN
3. SMOKE DETECTOR TO DE-ENERGIZE UNIT THRU FIRE ALARM SYSTEM.
4. HUMIDITY TRANSMITTER TO BE CONNECTED TO HUMIDITY CONTROLLER PROVIDED WITH PACKAGED DESICCANT HUMIDIFIER.
5. TV-100 AND TV-120 PROVIDED WITH DHU-1, C_v AS NOTED.

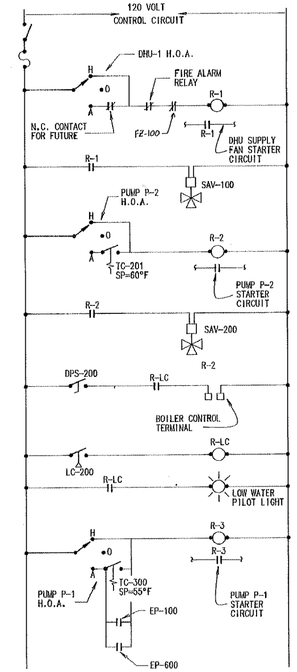
DHU-1 SEQUENCE OF OPERATION

THE HUMIDISTAT SHALL CYCLE THE DESSICANT DEHUMIDIFIER TO MAINTAIN A SETPOINT OF 40% RH.

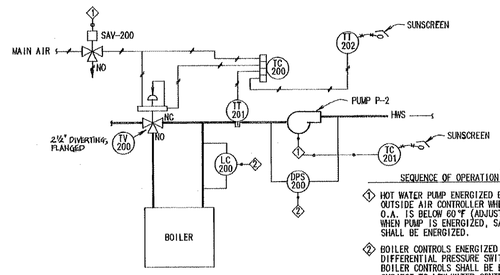
THE SPACE COOLING THERMOSTAT SHALL BE INPUT INTO A RECEIVER CONTROLLER WHICH SHALL MODULATE THE CHILLED WATER VALVE TO MAINTAIN A SETPOINT OF 75 DEGREES F.

THE SPACE HEATING THERMOSTAT SHALL BE INPUT INTO A RECEIVER CONTROLLER WHICH WILL MODULATE HOT WATER VALVE TO MAINTAIN A SETPOINT OF 70 DEGREES F.

A M5.1 PACKAGED DEHUMIDIFIER CONTROL DIAGRAM

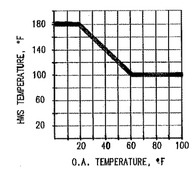


D M5.1 CONTROL PANEL #1 LADDER DIAGRAM



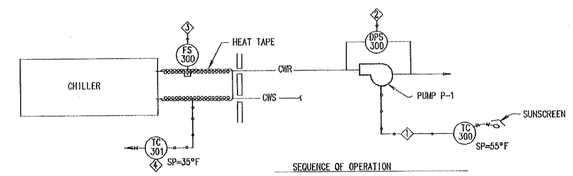
SEQUENCE OF OPERATION

1. HOT WATER PUMP ENERGIZED BY AN OUTSIDE AIR CONTROLLER WHENEVER O.A. IS BELOW 60°F (ADJUSTABLE). WHEN PUMP IS ENERGIZED, SAV-200 SHALL BE ENERGIZED.
2. BOILER CONTROLS ENERGIZED THROUGH DIFFERENTIAL PRESSURE SWITCH DPS-200. BOILER CONTROLS SHALL BE ENERGIZED SUBJECT TO LOW WATER CONTROLLER LC-200. CONTROLLER LC-200 SHALL INITIATE A RED PILOT LIGHT AT CONTROL PANEL TO INDICATE A FAILURE OF SYSTEM BY LOW WATER.



TC-200 RESET SCHEDULE

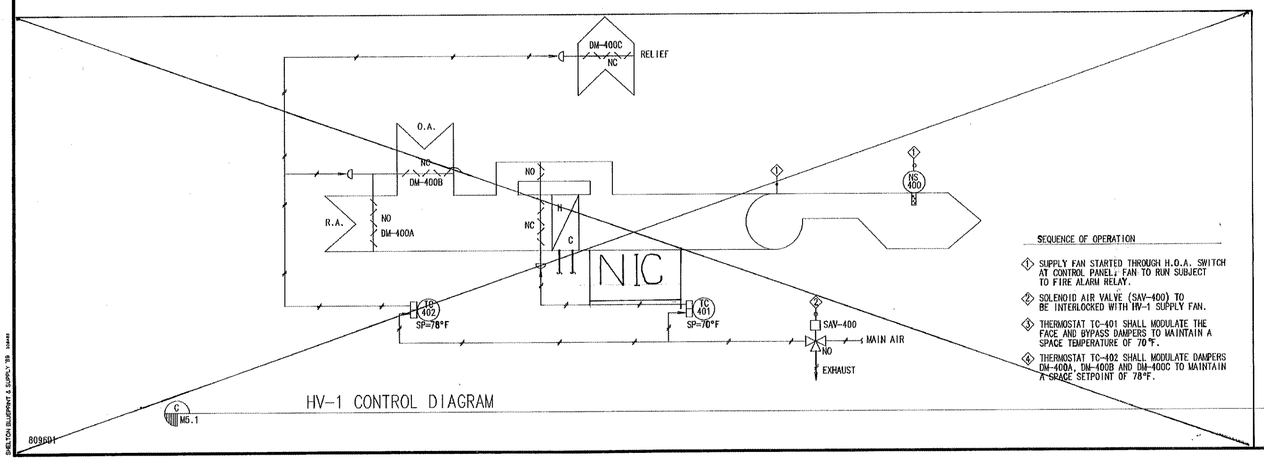
B M5.1 HOT WATER SYSTEM CONTROL DIAGRAM



SEQUENCE OF OPERATION

1. PUMP P-1 ENERGIZED THROUGH H.O.A. SWITCH. PUMP SHALL RUN WHEN OUTSIDE AIR IS ABOVE 55°F (ADJUSTABLE) OR THRU CONTROLS AT EP-100 AND EP-600.
2. CHILLER CONTROLS ENERGIZED BY DPS-300.
3. FLOW SWITCH FS-300 INPUT TO CHILLER CONTROL PANEL
4. HEAT TAPE ENERGIZED WHEN O.A. FALLS TO 35°F.

E M5.1 CHILLED WATER SYSTEM CONTROL DIAGRAM



SEQUENCE OF OPERATION

1. SUPPLY FAN STARTED THROUGH H.O.A. SWITCH AT CONTROL PANEL; FAN TO RUN SUBJECT TO FIRE ALARM RELAY.
2. SOLENOID AIR VALVE (SAV-400) TO BE INTERLOCKED WITH HV-1 SUPPLY FAN.
3. THERMOSTAT TC-401 SHALL MODULATE THE FACE AND BYPASS DAMPERS TO MAINTAIN A SPACE TEMPERATURE OF 70°F.
4. THERMOSTAT TC-402 SHALL MODULATE DAMPERS DM-400A, DM-400B AND DM-400C TO MAINTAIN A SPACE SETPOINT OF 78°F.

C M5.1 HV-1 CONTROL DIAGRAM

809501

SHELTON BLUEPRINT & SUPPLY 834-8

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPRO'D

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

CORROSION CONTROL

OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

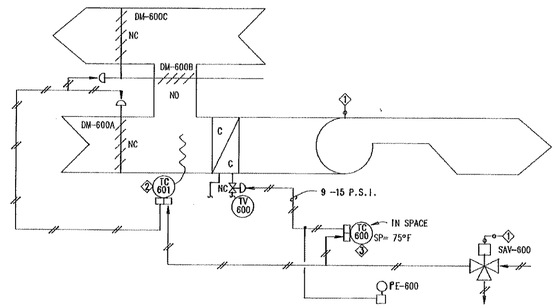
TITLE ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER A.F.B., ALABAMA

SUBTITLE CONTROL DIAGRAMS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY TLH	CHECKED BY TLH	SCALE SHOWN	DATE 5/16/90
DRAWN BY JMA	PROJECT NO JUBJ860701	SHEET 42 of 65	DRAWING NO 600811-9001

ALABAMA REGISTERED NO. 13390 PROFESSIONAL ENGINEER THOMAS L. WATTERS

SHT. REF. NO. M5.1

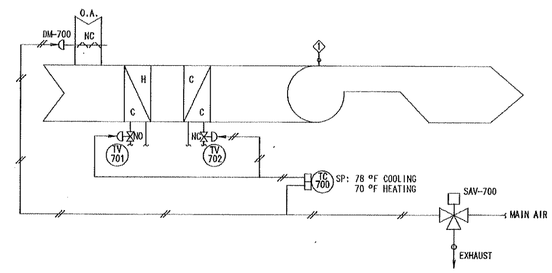


AH-1 SEQUENCE OF OPERATION

1. AIR HANDLING UNIT FAN STARTED AND STOPPED THROUGH TIMECLOCK TM-1. WHEN THE FAN STARTS, SOLENOID AIR VALVE SAV-600 SHALL PROVIDE INSTRUMENT AIR TO THIS UNIT'S CONTROLS.
2. TC-601 SHALL MODULATE DM-600A, DM-600B AND DM-600C TO MAINTAIN A MIXED AIR TEMPERATURE OF 55°F.
3. TC-600 SHALL MODULATE THE CHILLED WATER VALVE TV-600 TO PROVIDE A SPACE TEMPERATURE OF 75°F. BRANCH SIGNAL FROM TC-600 SHALL INITIATE SWITCH DE-600 TO INDICATE A NEED FOR CHILLED WATER AT THIS UNIT. SET PE-600 TO CLOSE AT 11 P.S.I.

A M5.2 AIR HANDLING UNIT AH-2 CONTROL DIAGRAM

NO SCALE

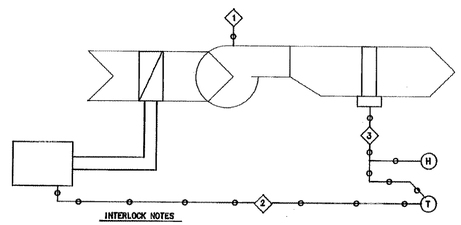


AH-2 SEQUENCE OF OPERATION

1. FAN STARTED THROUGH TIMECLOCK TM-1. WHEN THE FAN STARTS, SOLENOID AIR VALVE SAV-700 (OR SAV-800) SHALL PROVIDE INSTRUMENT AIR TO THE UNIT'S CONTROLS.
2. TC-700 (OR TC-800) SHALL MODULATE THE HOT WATER VALVE AND CHILLED WATER VALVE IN SEQUENCE TO MAINTAIN THE SPACE SETPOINTS INDICATED. WHEN THE FAN STARTS, O.A. DAMPER DM-700 (AH-1 ONLY) SHALL OPEN FULLY.

B M5.2 AH-1(700) AND FC-2(800) CONTROL DIAGRAM

NO SCALE

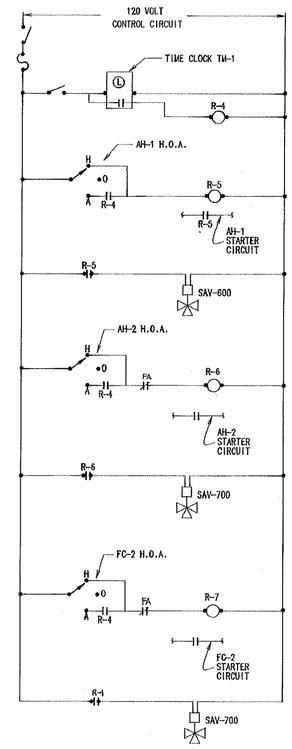


INTERLOCK NOTES

1. FAN TO RUN CONTINUOUSLY.
2. THERMOSTAT TO CYCLE AIR COOLED CONDENSING UNIT OR ELECTRIC HEAT TO SATISFY SPACE SETPOINT.
3. HUMIDISTAT TO ENERGIZE ELECTRIC HEAT IF SPACE HUMIDITY EXCEEDS 60%.

FC-1 CONTROL DIAGRAM

NO SCALE



C M5.2 CONTROL PANEL #2 LADDER DIAGRAM

NO SCALE

CONTROL LEGEND

—//—	INSTRUMENT AIR
—o—o—	INTERLOCK WIRING
TC	TEMPERATURE CONTROLLER
TT	TEMPERATURE TRANSMITTER
TV	TEMPERATURE CONTROL VALVE
NS	SAFETY - SMOKE DETECTOR
NFS	FIRESTAT (SET FOR 135°F)
SAV	SOLENOID AIR VALVE
O.A.	OUTSIDE AIR
R.A.	RETURN AIR
DPS	DIFFERENTIAL PRESSURE SWITCH
LC	LOW WATER CUT-OFF
HT	HUMIDITY TRANSMITTER
FS	FLOW SWITCH
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
—⊣⊢—	NC CONTACT
—⊣ ⊢—	NO CONTACT
	TEMPERATURE SWITCH
	PRESSURE SWITCH
	LEVEL SWITCH
	CONTROL SYSTEM ON-OFF SWITCH
	FUSE
H.O.A.	HAND-OFF-AUTOMATIC SWITCH
TM	TIME CLOCK
DM	DAMPER WITH ACTUATOR
SP	SETPOINT
PE	PNEUMATIC-ELECTRIC SWITCH

REVISIONS

REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

CORROSION CONTROL

OPERATIONS

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: GUNTER A.F.B., ALABAMA

SUBTITLE: CONTROL DIAGRAMS

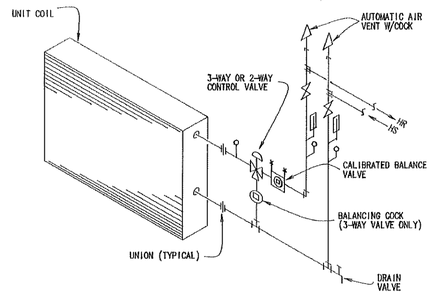
ALABAMA REGISTERED PROFESSIONAL ENGINEER NO. 13302 THOMAS L. HALLMARK

SHT. REF. NO. M5.2

RECOMMENDED (USING AGENCY)	RECOMMENDED (CHIEF ENGR BR)	RECOMMENDED (ASSOC CIVIL ENGR)	APPROVED (BASE CIVIL ENGR)
DESIGNED BY: TLH	CHECKED BY: TLH	SCALE: SHOWN	DATE: 5/16/90
DRAWN BY: JMA	PROJECT NO: JUBJ860701	SHEET: 43 OF 65	DRAWING NO: G00811-9001

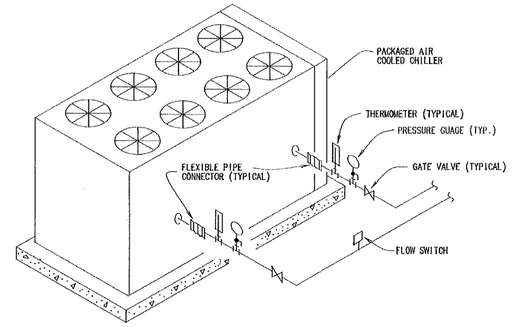
8096D2

SHELTON BLUEPRINT & SUPPLY 'B9 3/4/89



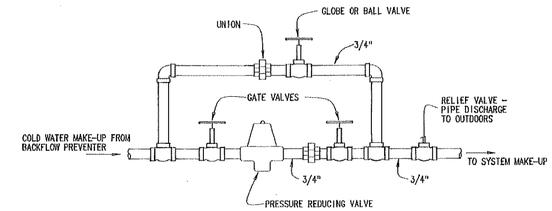
A M6.1 TYPICAL COIL PIPING DETAIL

NOT TO SCALE



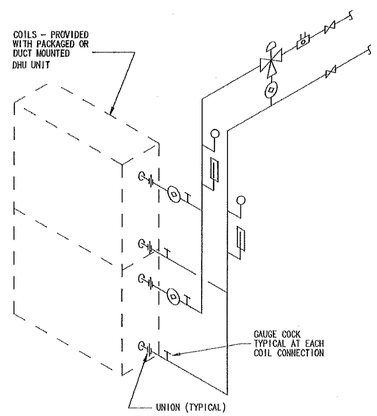
B M6.1 CHILLER CONNECTION DETAIL

NO SCALE



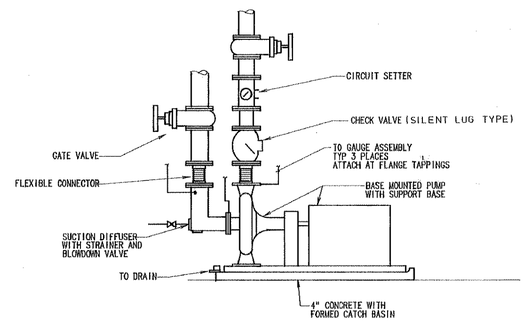
C M6.1 COLD WATER MAKE-UP CONNECTION DETAIL

NOT TO SCALE



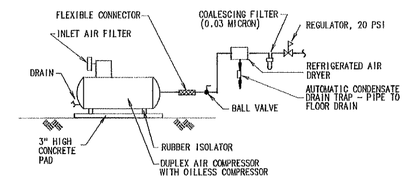
D M6.1 DHU-1 COOLING COIL AND REHEAT (HC-1) COIL DETAIL

NO SCALE



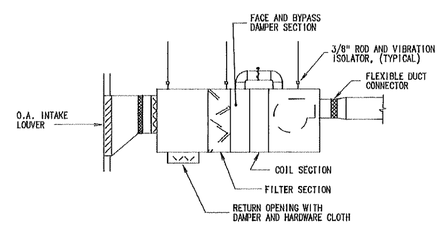
E M6.1 BASE MOUNTED PUMP DETAIL

NO SCALE



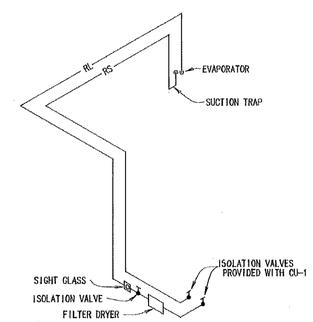
F M6.1 INSTRUMENT AIR SUPPLY DETAIL

NO SCALE



G M6.1 H-V UNIT DETAIL

NO SCALE



H M6.1 CU-1 REFRIGERANT PIPING ISOMETRIC

NO SCALE

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SHEETS

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

EARTHQUAKE CONTROL

OPERATIONS

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: DETAILS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
WRING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90

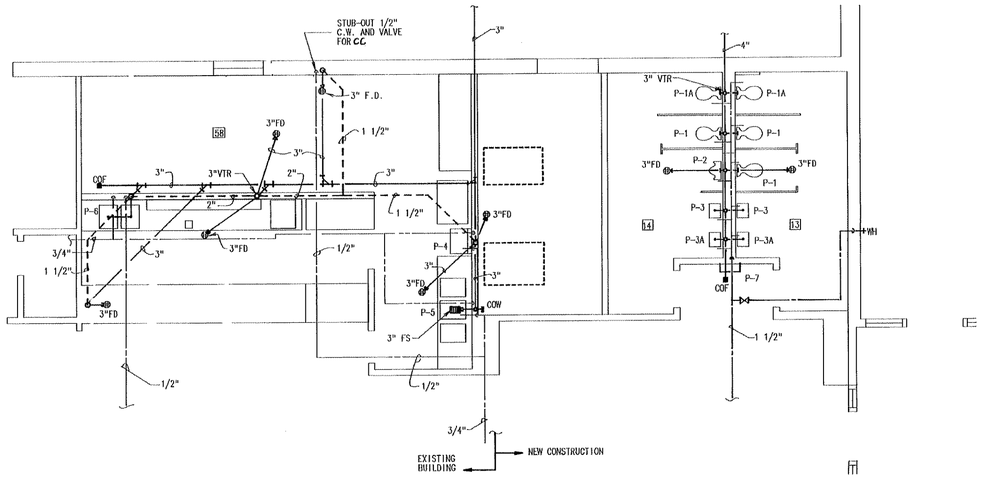
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
JMA	JUBJ860701	44 OF 65	600811-9001

SHT. REF. NO. M6.1

ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 13292 PROFESSIONAL ENGINEER

8906DET

SKELTON BLUEPRINT & SUPPLY '89



LARGE SCALE DELI/TOILET PLAN

SCALE 1/4" = 1'-0"

N

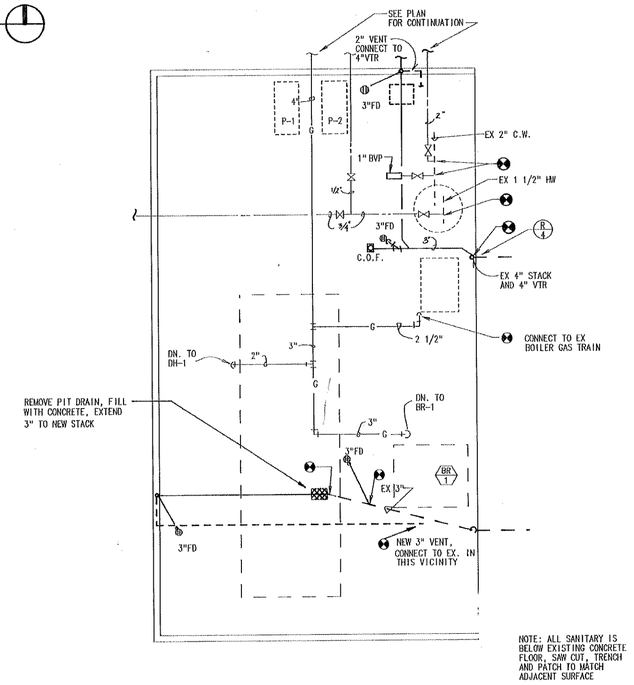
PLUMBING FIXTURE SCHEDULE					
		PIPE SIZE-INCHES			
MARK	DESCRIPTION	CW	HW	WASTE	REMARKS
P-1	WATER CLOSET	1 1/4	–	3	WALL HUNG FLUSH VALVE WITH CHAIR CARRIER
P-2	URINAL	3/4	–	2	WALL HUNG, FLUSH VALVE WITH CHAIR CARRIER
P-3	LAVATORY	1/2	1/2	1 1/4	WALL HUNG
P-3A	LAVATORY	1/2	1/2	1 1/4	WALL HUNG, HANDICAPPED
P-4	LAVATORY	1/2	1/2	1 1/4	SEE NOTE #1
P-5	POT SINK	3/4	3/4	2	SEE NOTE #2
P-6	SINK	1/2	1/2	1 1/2	COUNTER TOP, STAINLESS STEEL, DOUBLE COMPARTMENT
P-7	ELECTRIC WATER COOLER	1/2	—	1 1/2	DUAL HEIGHT
P-8	SINK	1/2	1/2	1 1/2	DOUBLE COMPARTMENT, S.S., RESIDENTIAL DISPOSAL
P-9	SINK	3/4	3/4	2	DOUBLE COMPARTMENT, S.S., RESIDENTIAL DISPOSAL
P-10	WATER HEATER	3/4	3/4	–	2 KW 208/1 PHASE, 15 GALLON
P-11	ELECTRIC WATER COOLER	1/2	1/2	1 1/2	WALL HUNG, WHEELCHAIR

NOTES:

1. EQUIPMENT ITEM #AA, PROVIDE STUD-OUT WITH VALVE FOR H.W., C.W. AND WASTE.
2. EQUIPMENT ITEM #11, PROVIDE STUD-OUT WITH VALVE FOR H.W. AND C.W., FLOOR SINK

NOTES

1) REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS OF NEW CONSTRUCTION.
2) THIS PROJECT INVOLVES ADDITIONS AND MAJOR RENOVATIONS TO PORTIONS OF THE EXISTING PLUMBING UTILITIES. ALL UTILITY INTERUPTIONS MUST BE KEPT TO A MINIMUM. PROVIDE A DETAILED SCHEDULE AND COORDINATION DRAWINGS OF ALL GAS AND SEWER INTERUPTIONS.
3) PROVIDE ALL HANGERS, STOP VALVES, AIR CHAMBERS, WATER HAMMER ARRESTORS, CLEANOUTS AND OTHER APPURTENANCES REQUIRED FOR A COMPLETE OPERATING SYSTEM.
4) PROVIDE CLEANOUTS AT THE BASE OF ALL STACKS. NOT ALL CLEANOUTS ARE SHOWN ON RISER DIAGRAMS AND/OR PLANS.
5) CEILING CLEARANCE MAY BE CRITICAL, COORDINATE WITH OTHER TRADES TO INSURE THE ELEVATION OF PIPES INSTALLED BY THIS TRADE WILL NOT INTERFER WITH OTHER WORK.
6) ALL VALVES, WATER HAMMER ARRESTORS AND TRAP PRIMERS SHALL BE ACCESSIBLE THROUGH ACCESS PANELS OR THROUGH A DROP CEILING PANEL.
7) THESE DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL FITTINGS , ETC..
8) IN GENERAL: WATER, GAS AND VENT SHOWN SHALL BE ABOVE THE CEILING UNLESS NOTED OTHERWISE. SANITARY TO BE BELOW THE FLOOR.
9) ALL RAIN WATER LEADERS SHALL BE SCHEDULE 40 PVC, WITH SOLVENT CEMENT JOINTS.
10) ALL ROOF DRAINS SHALL BE 8 1/2" DIAMETER BODY, LOW PROFILE TYPE, DUCO CAST IRON BODY, UNDERDECK CLAMP, SUMP RECEIVER. DOME TO BE ALUMINUM.



NOTE: ALL SANITARY IS BELOW EXISTING CONCRETE FLOOR, SAW CUT, TRENCH AND PATCH TO MATCH ADJACENT SURFACE

LARGE SCALE MECH ROOM #25

SCALE: 1/4" = 1'-0

PLUMBING LEGEND

	WASTE PIPING
	VENT PIPING
	COLD WATER, CW
	HOT WATER, HW
—G—	NATURAL GAS
VTR	VENT THROUGH ROOF
FD	FLOOR DRAIN
FS	FLOOR SINK
COF	CLEAN OUT TO FLOOR
COG	CLEAN OUT TO GRADE
CCW	CLEAN OUT TO WALL
	GATE VALVE
"Y"	WATER HAMMER ARRESTER PDI SIZE SHOWN
HB	HUB DRAIN
EX	EXISTING
	CONNECTION OF NEW TO EXISTING
R	WATER RISER DIAGRAM I.D.
R	WASTE RISER DIAGRAM I.D.
	DETAIL #
	SHEET LOCATION
	NORTH ARROW
	AIR CHAMBER
WH	WALL HYDRANT
HB	HOSE BIBB
BVP	BACKFLOW PREVENTER
HW	HOT WATER
CW	COLD WATER
S.S.	STAINLESS STEEL
DN.	DOWN

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

EMISSION CONTROL

OPERATIONS

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AEB.AL, ALABAMA

SUBTITLE: LARGE SCALE MECH ROOMS & DETAILS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90

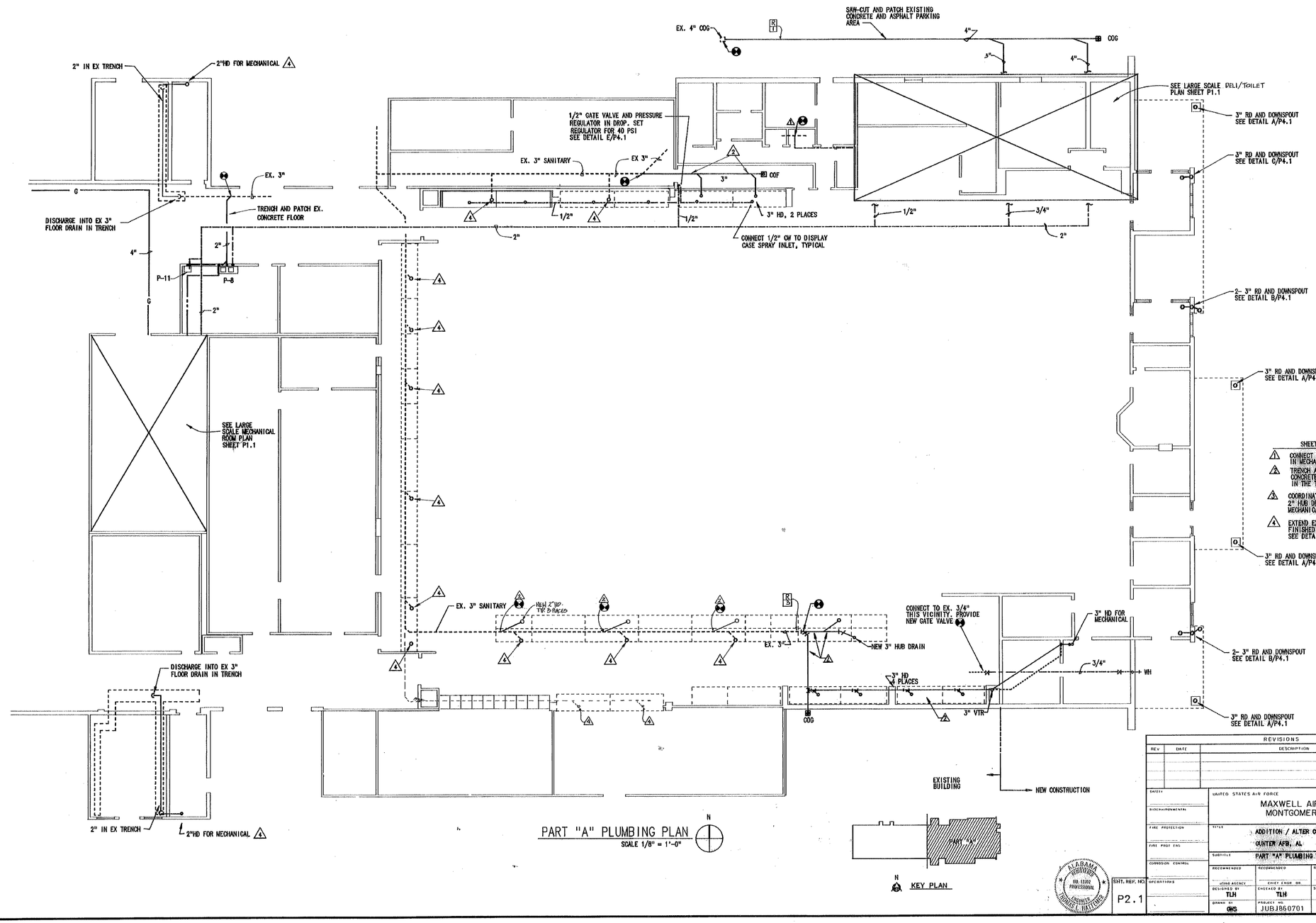
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
GWS /JMA	JUBJ860701	45 OF 65	G00811-9001

ALABAMA REGISTERED NO. 13383 PROFESSIONAL ENGINEER

SHT. REF. NO. P1.1

8096P1

SHELTON BLUEPRINT & SUPPLY '89 35448



PART "A" PLUMBING PLAN

SCALE 1/8" = 1'-0"

SHEET NOTES:

1. CONNECT TO EX HOT WATER IN MECHANICAL CLOSET
2. TRENCH AND PATCH EXISTING CONCRETE FLOOR FOR PIPING IN THE THIS AREA
3. COORDINATE EXACT LOCATION OF 2" HUB DRAIN WITH NEW MECHANICAL EQUIPMENT
4. EXTEND EXISTING HUB DRAIN TO FINISHED FLOOR ELEVATION SEE DETAIL D/P4.1

REVISIONS

REV	DATE	DESCRIPTION	STR	APPR'D

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISARY, BLDG 811
GUNTER AFB, AL

SUBTITLE: PART "A" PLUMBING PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90

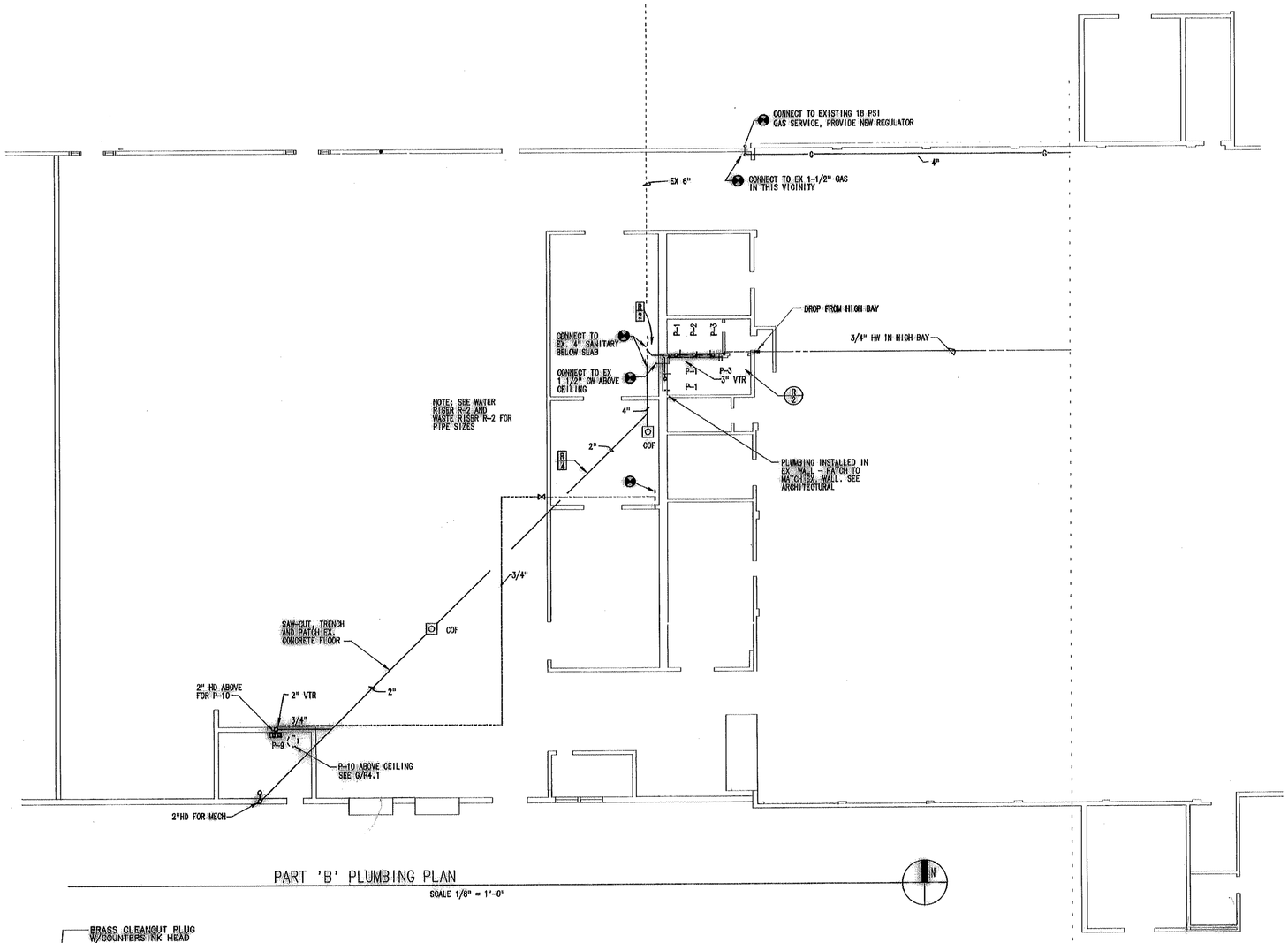
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
GHS	JUBJ860701	46 OF 65	G00811-9001

SAFETY
ENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

EQUIT. REF. NO. P2.1

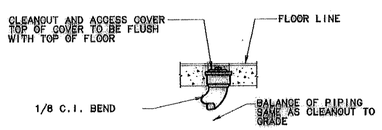
ALABAMA REGISTERED REG. 13192 PROFESSIONAL ENGINEER

SPECTON BLUEPRINT & SUPPLY 39 3444

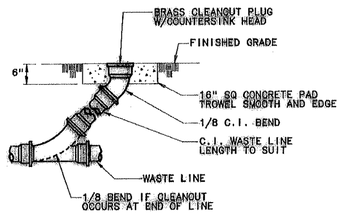


PART 'B' PLUMBING PLAN

SCALE 1/8" = 1'-0"



FLOOR CLEANOUT

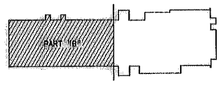


CLEANOUT TO GRADE

CLEANOUT DETAILS

P2.2

NO SCALE



KEY PLAN

SAFETY	
BIOENVIRONMENTAL	
FIRE PROTECTION	
FIRE PROT. ENG.	
CORROSION CONTROL	

FOR USE BY MAJCOM HEADQUARTERS AND USAF ONLY

APPROVED FOR	DATE
APPROVED FOR	DATE
APPROVED FOR	DATE

SHT. REF. NO. P2.2

REV.	DATE	DESCRIPTION	SYM.	APP'D

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

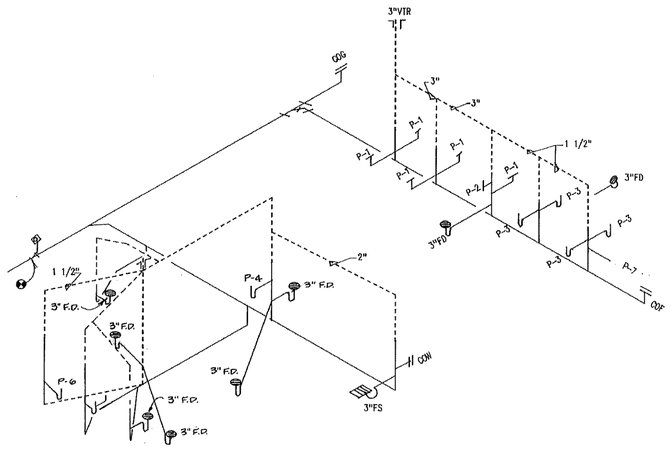
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION/ALTER COMMISSARY, BLDG. 811
GUNTER A.F.B., AL.

SUBTITLE: PART 'B' PLUMBING PLAN

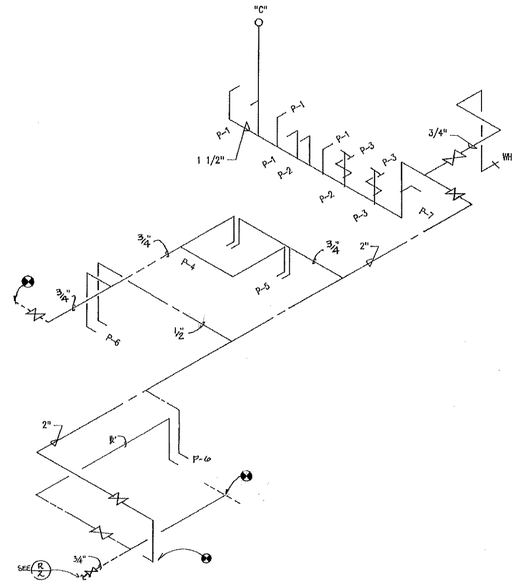
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR. BR.	ASSOC. CIVIL ENGR.	BASE ENV. ENGR.
DESIGNED BY TLH	CHECKED BY TLH	SCALE SHOWN	DATE 5/16/90
DRAWN BY GWS	PROJECT NO. JUB-050701	SHEET 47 OF 55	DRAWING NO. 000811-9001

DRAWING A4-01 53131



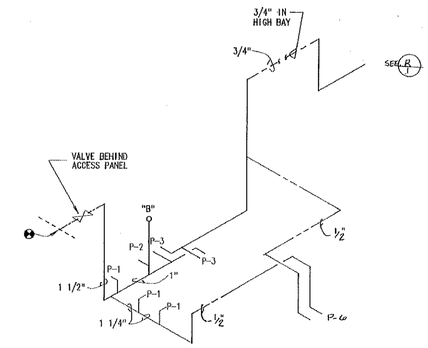
R 1 WASTE RISER DIAGRAM

NO SCALE



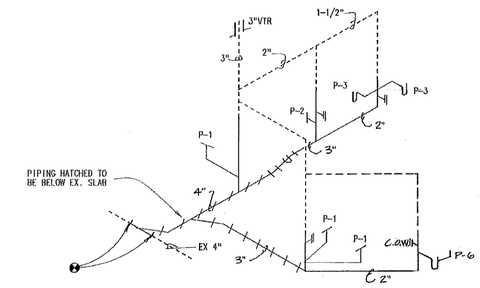
R 1 WATER RISER DIAGRAM

NO SCALE



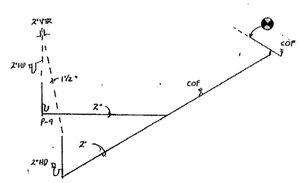
R 2 WATER RISER DIAGRAM

NO SCALE



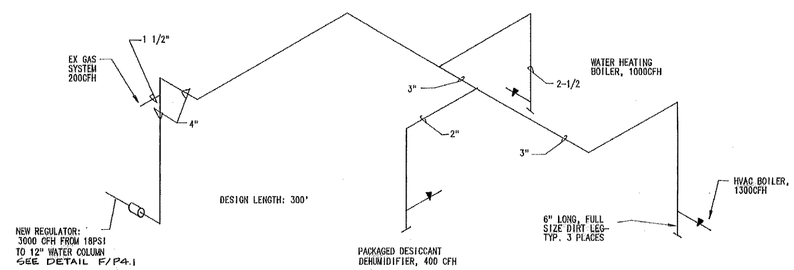
R 2 WASTE RISER DIAGRAM

NO SCALE



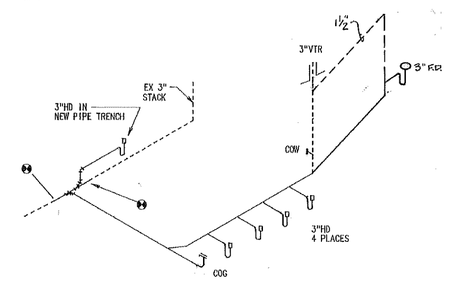
R WASTE RISER DIAGRAM

NO SCALE



GAS RISER DIAGRAM

NO SCALE



R 3 WASTE RISER DIAGRAM

NO SCALE

REVISIONS

REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY

ENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

EVIRONCON CONTROL

OPERATIONS

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITIONS / ALTER COMMISSARY, BLDG. 811
GUNTER A.F.B., ALABAMA

SUBTITLE
RISER DIAGRAMS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR. BR.	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90

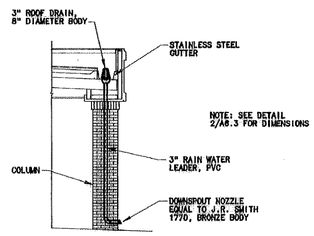
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
RR	JUBJ860Z01	46 of 65	00081-9001

ALABAMA REGISTERED PROFESSIONAL ENGINEER NO. 11701

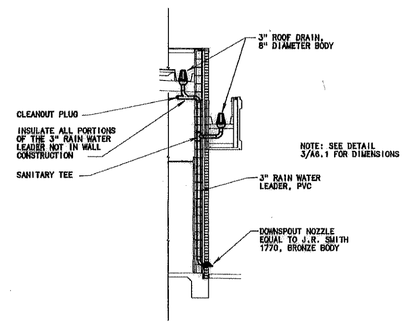
SHT. REF. NO. P 3.1

8086P4

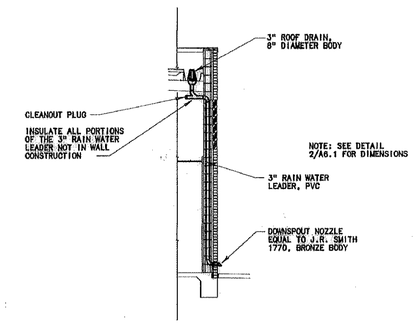
DIETZGEN BLUEPRINT & SUPPLY 30



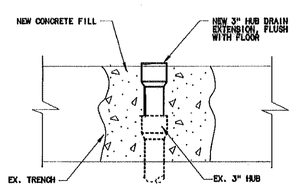
A RAIN LEADER DETAIL
P4.1 SCALE: 1/4" = 1'-0



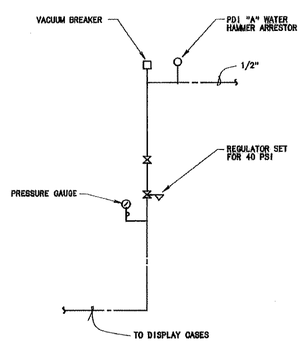
B RAIN LEADER DETAIL
P4.1 SCALE: 1/4" = 1'-0



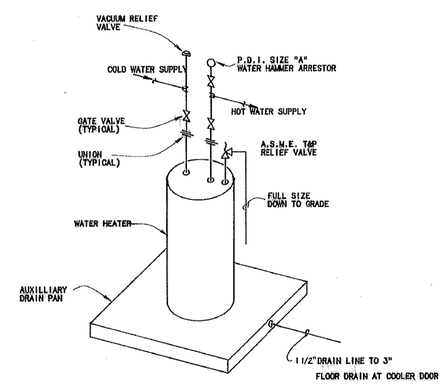
C RAIN LEADER DETAIL
P4.1 SCALE: 1/4" = 1'-0



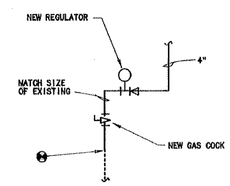
D HUB DRAIN EXTENSION DETAIL
P4.1 NO SCALE



E DISPLAY CASE REGULATOR DETAIL
P4.1 NO SCALE



G WATER HEATER DETAIL
P4.1 NO SCALE



F GAS REGULATOR DETAIL
P4.1 NO SCALE

REVISIONS				
REV.	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG.
CORROSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISARY, BLDG 811
GUNTER AFB, AL

SUBTITLE: DETAILS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	PROJ. CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90
DRAWN BY GWS	PROJECT NO JUB J860701	SHEET 49 of 65	DRAWING NO 900811-9001

ALABAMA REGISTERED PROFESSIONAL NO. 12351 ENGINEER

SHT. REF. NO. P4.1

SHELTON BLUEPRINT & SUPPLY 328 3494

REFRIGERATION EQUIPMENT & PIPING SCHEDULE

SYSTEM NO.	REFRIG. TYPE	COOLING EQUIPMENT SERVICED: EQUIP. ID	COOLING EQUIPMENT SERVICED: DESCRIPTION	REQUIRED CAPACITY BTUH	SST °F	REFRIGERATION LINE SIZES: LIQUID LINE	REFRIGERATION LINE SIZES: SUCTION LINE	REFRIGERATION LINE SIZES: SUCTION RISER	TYPE OF DEFROST	ELECTRIC DEFROST WATTS AT 208/3	FANS WATTS AT 115V	LIGHTS WATTS AT 115 V.	ANTISWEAT WATTS AT 115V	CONTROL NOTES
1	22	A	72' PRODUCE DISPLAY		+20				O.C.					2,5
2	22	J	28' DELI-MEAT DISPLAY		+15				E					1,5
3	22	D	64' FRESH MEAT DISPLAY		+15				E.					1,5
4	22	F	28' DAIRY DISPLAY		+20				O.C.					2,5
5	22	F	32' DAIRY DISPLAY		+20				O.C.					2,5
6	22	E	24' MILK DISPLAY		+20				O.C.					2,5
7	502	IDG	44' M/D WITH DOORS ICE CREAM		-30				E					1,4
8	502	IDG	44' M/D WITH DOORS ICE CREAM		-30				E					1,4
9	502	IDH	44' FROZEN FOOD M/D		-20				E					1,4
10	502	IDH	44' FROZEN FOOD M/D		-20				E					1,4
11	502	UC 1 & 2	FROZEN FOOD STORAGE BULK SALES	42,800	-15				E					3, 6
12	502	UC 3 & 4	FROZEN FOOD STORAGE SALES AREA	40,000	-15				E					3, 6
13		C	12' DELI SELF-CONTAINED											7

CONTROL NOTES

1. DEFROST SHALL BE INITIATED BY A TIME CLOCK WHICH CONTROLS THE CONDENSING UNIT AND THE CASE-MOUNTED ELECTRIC DEFROST HEATERS. DEFROST SHALL BE TERMINATED BY THE CASE DISCHARGE AIR TEMPERATURE OR COIL TEMPERATURE. DFROST SHALL BE TIME INITIATED AND TEMPERATURE TERMINATED WITH TIME FAILSAFE.
2. DEFROST SHALL BE CONTROLLED BY A TIME CLOCK WHICH CONTROLS THE CONDENSING UNIT. DEFROST SHALL BE TIME INITIATED AND TIME TERMINATED.
3. DEFROST SHALL BE CONTROLLED BY A TIME CLOCK WHICH CONTROLS A LIQUID-LINE SOLENOID VLAVE AT THE COMPRESSOR AND THE UNIT COOLER-MOUNTED ELECTRIC DEFROST HEATERS. DEFROST SHALL BE TERMINATED BY COIL TEMPERATURE OR BY TIME FAILSAFE. DURING DEFROST, THE CONTROL CIRCUIT SHALL CYCLE THE FANS OFF AND TURN ON THE DEFROST HEATERS. POWER TO THE DRAIN LINE HEATERS SHALL BE ON CONTINUOUSLY.
4. CASE TEMPERATURE SHALL BE CONTROLLED BY CYCLING THE COMPRESSOR IN RESPONSE TO SUCTION PRESSURE.
5. CASE TEMPERATURE SHALL BE CONTROLLED BY A THERMOSTAT LOCATED AT THE CASE LINEUP WHICH CONTROLS THE LIQUID-LINE SOLENOID VALVE LOCATED AT THE CASE LINEUP.
6. TEMPERATURE SHALL BE CONTROLLED BY A THERMOSTAT MOUNTED IN THE ROOM WHICH CONTROLS THE LIQUID-LINE SOLENOID VALVE LOCATED IN THE ROOM.
7. CONVENTIONAL CONTROLS SHALL BE PROVIDED AS RECOMMENDED BY THE DISPLAY CASE MANUFACTURER TO CONTROL DEFROST AND CASE TEMPERATURE.

PROBE ASSIGNMENT CHART
GUARD TEMP. AND TIME SETTINGS

GUARD	PROBE	DESCRIPTION	GUARD	PROBE	DESCRIPTION	GUARD	PROBE	DESCRIPTION
	A0.			B0.			C0.	
1	A1.	ICE CREAM IDG	2	B1.	FROZEN FOOD IDH	2	C1.	FROZ. STOR.
	A2.			B2.		2	C2.	FROZ. STOR.
	A3.			B3.		2	C3.	FRESH HEAT "D"
	A4.			B4.			C4.	
	A5.			B5.			C5.	
	A6.			B6.			C6.	
	A7.			B7.			C7.	
	A8.	ICE CREAM IDG		B8.	FROZEN FOOD IDH		C8.	FRESH HEAT "D"
	A9.			B9.			C9.	

GUARD	PROBE	DESCRIPTION	GUARD	PROBE	DESCRIPTION	GUARD	PROBE	DESCRIPTION
	D0.			E0.			F0.	
4	D1.	MILK ROLL-IN "E"	5	E1.	DAIRY "F"	5	F1.	M/D DELI "J"
	D2.	MILK ROLL-IN "E"		E2.		5	F2.	M/D DELI "J"
	D3.	DAIRY STOR.		E3.		5	F3.	M/D DELI "J"
	D4.	MEAT STOR.		E4.		6	F4.	
	D5.			E5.		6	F5.	MEAT PROC.
	D6.			E6.	DAIRY "F"	6	F6.	PROD. PROC.
	D7.			E7.	CARCASS STOR.	6	F7.	
	D8.			E8.	PACK MEAT STOR.	6	F8.	
	D9.			E9.			F9.	

GUARD	PROBE	DESCRIPTION	GUARD	PROBE	DESCRIPTION
	G0.			H0.	
7	G1.	PRODUCE "A"	8	H1.	STORE AMBT.
	G2.			H2.	OUTSIDE AMBT.
	G3.			H3.	MECH. RM. #1
	G4.			H4.	MECH. RM. #2
	G5.			H5.	
	G6.	PRODUCE "A"		H6.	
	G7.	PRODUCE STOR.		H7.	AHU RETURN AIR
	G8.	SVC DELI "G"		H8.	AHU SUPPLY AIR
	G9.			H9.	

GUARD #	GUARD TEMP. F	GUARD TIME MIN
1	-5	120
2	10	120
3	35	110
4	40	100
5	40	120
6	35	100
7	45	150
8	99	199

REFRIGERATED DISPLAY CASE MODELS

CASE TYPE	MANUFACTURERS MODEL: HILL	HUSSMANN	TYLER	WARREN - SHERER
A	HLP	PH	FVH	H2V
D	LN4-T	FM	DM	M1
E	RD-R	JVMRS	MARK IV DLAS-RL	BRQD
F	SLM	DMD	DDCH	D6L
G	WIZ-CK	GWIC	F2J	WTLA
H	WIZ-FK	GWI	FFJ	WTLA
I	S2F	G6F	D6F	L5F
J	SLM	DMD	DDCH	D6
ID	S2FK	RCFL	D5FG	L4HA
WJ	HLHD	M4F	DHM	M4A
WA	2HLP	PHSM	F3VH	H2V

UNIT COOLERS SCHEDULE

MARK	CFM	CAPACITY 1000 BTU/HR	MAX. FINS/IN	ROOM TEMP °F	LOCATION	REFR. SYSTEM	REFR. TYPE	ΔT °F	AIR FLOW TYPE	ELECTRICAL: FANS AMP	ELECTRICAL: FANS VOLT	ELECT. DEFROST VOLT/PHASE/AMP	REMARKS
UC-1			4	-5	BULK SALES	11	502	10	II				
UC-2			4	-5	BULK SALES	11	502	10	II				
UC-3			4	-5	STORGE	12	502	10	II				
UC-4			4	-5	STORGE	12	502	10	II				

CONDENSING UNIT SCHEDULE

SYST NO.	REQUIRED CAPACITY 1000 BTU/HR	SST °F	NOMINAL COMPRESSOR H.P. (MIN.)	REFRIG. TYPE	VOLTAGE	COMPRESSOR RLA	FANS #	FANS FLA. EA.	REMARKS	CONDENSING TEMP
1		+20	7 1/2	22	460/3					115
2		+15	7 1/2	22						115
3		+15	5	22						115
4		+20	5	22						115
5		+20	7 1/2	22						115
6		+20	5	22						110
7		-30	9	502						110
8		-30	9	502						110
9		-20	6	502						110
10		-20	6	502						110
11	42.8	-15	9	502						110
12	40.0	-15	7 1/2	502						110

AMBIENT TEMP 95 °

REQUIP

REVISIONS				
REV	DATE	DESCRIPTION	STAF.	APPROVD

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

CORROSION CONTROL

OPERATIONS

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITIONS / ALTER COMMISSARY, BLDG. 611
GUNTER AFB., ALABAMA

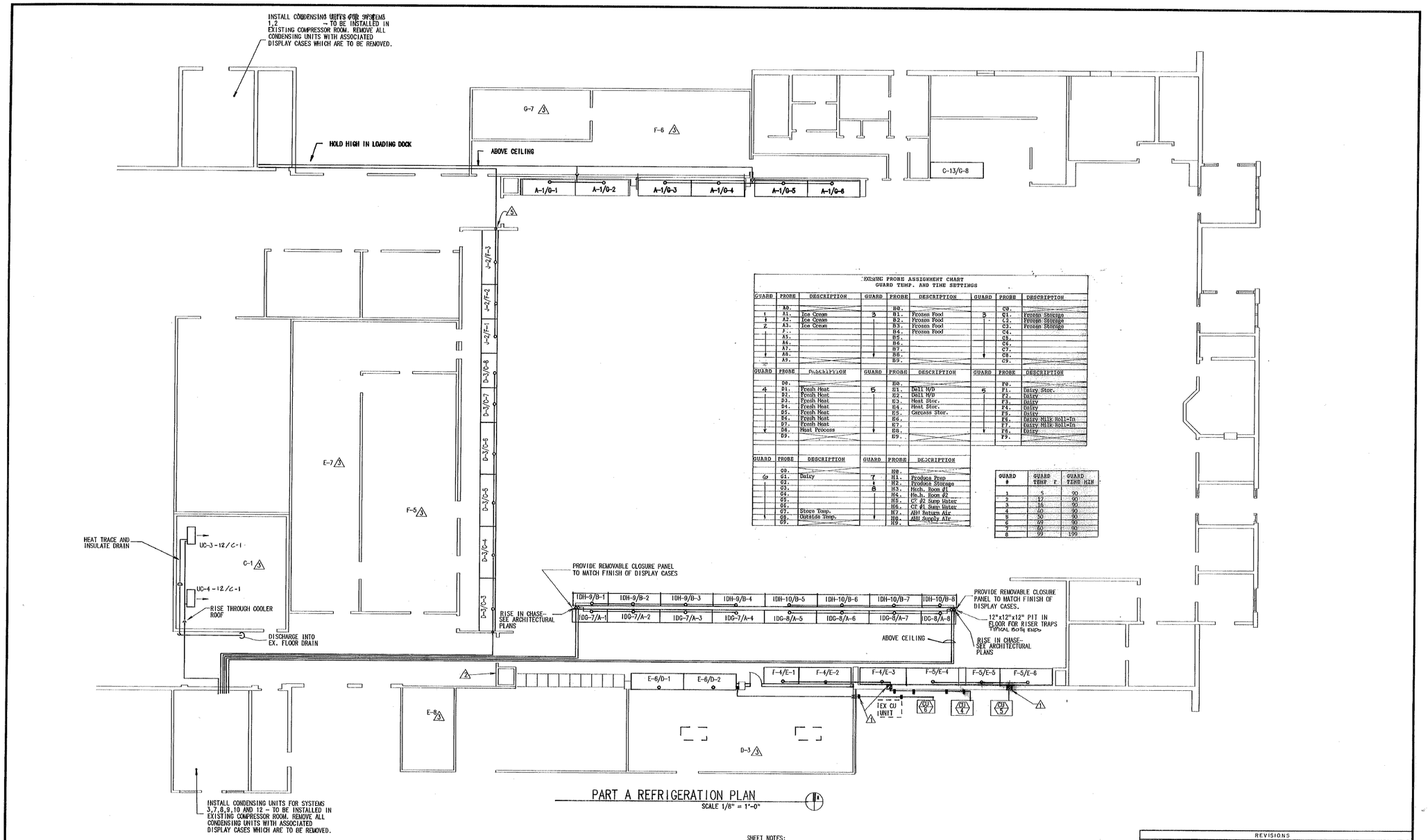
SUBTITLE: REFRIGERATION SCHEDULE

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR.	ARCHC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY: TLH	CHECKED BY: TLH	SCALE: SHOWN	DATE: 5/16/90
DRAWN BY: GS	PROJECT NO: JUBJ860701	SHEET: 50 or 65	DRAWING NO: 600811-9001

ALABAMA REGISTERED PROFESSIONAL ENGINEER RD. LUTTRP FRANK L. HATTAWAY

SHT. REF. NO: R1.1

SHELTON BLUEPRINT & SUPPLY, TO 39440



PART A REFRIGERATION PLAN

SCALE 1/8" = 1'-0"

EXISTING PROBE ASSIGNMENT CHART
GUARD TEMP. AND TIME SETTINGS

GUARD	PROBE	DESCRIPTION	GUARD	PROBE	DESCRIPTION	GUARD	PROBE	DESCRIPTION
	A0.			B0.			C0.	
1	A1.	Ice Cream	3	B1.	Frozen Food	3	C1.	Frozen Storage
	A2.	Ice Cream		B2.	Frozen Food		C2.	Frozen Storage
2	A3.	Ice Cream		B3.	Frozen Food		C3.	Frozen Storage
	A4.			B4.	Frozen Food		C4.	
	A5.			B5.			C5.	
	A6.			B6.			C6.	
	A7.			B7.			C7.	
	A8.			B8.			C8.	
	A9.			B9.			C9.	

GUARD	PROBE	DESCRIPTION	GUARD	PROBE	DESCRIPTION	GUARD	PROBE	DESCRIPTION
	D0.			E0.			F0.	
4	D1.	Fresh Meat	5	E1.	Deli W/D	6	F1.	Dairy Stor.
	D2.	Fresh Meat		E2.	Deli W/D		F2.	Dairy
	D3.	Fresh Meat		E3.	Meat Stor.		F3.	Dairy
	D4.	Fresh Meat		E4.	Meat Stor.		F4.	Dairy
	D5.	Fresh Meat		E5.	Carcass Stor.		F5.	Dairy
	D6.	Fresh Meat		E6.			F6.	Dairy Milk Roll-In
	D7.	Fresh Meat		E7.			F7.	Dairy Milk Roll-In
	D8.	Meat Process		E8.			F8.	Dairy
	D9.			E9.			F9.	

GUARD	PROBE	DESCRIPTION	GUARD	PROBE	DESCRIPTION
	G0.			H0.	
6	G1.	Dairy	7	H1.	Produce Prep
	G2.			H2.	Produce Storage
	G3.		8	H3.	Mech. Room #1
	G4.			H4.	Mech. Room #2
	G5.			H5.	Ct #2 Samp Water
	G6.			H6.	Ct #1 Samp Water
	G7.	Store Temp.		H7.	AHU Return Air
	G8.	Outside Temp.		H8.	AHU Supply Air
	G9.			H9.	

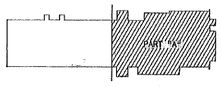
GUARD #	GUARD TEMP F	GUARD TIME MIN
1	5	90
2	17	90
3	16	90
4	40	90
5	50	90
6	60	90
7	60	90
8	99	199

SHEET NOTES:

1. CAULKED AND SLEEVED PENETRATION THRU EXISTING WALL.
2. EXISTING "COM-TROL" PROBE JUNCTION BOX AND ANNUNCIATOR PANEL
3. PROBE ASSIGNMENT
4. SEE SHEET P2.1 FOR LOCATION OF EX HUB DRAINS
5. TRENCH AND PATCH EXISTING WALL FOR REFRIGERATION PIPE RISER. INSTALL 12"x12" HINGED ACCESS PANEL IN WALL AT BASE OF RISER.
6. SINGLE LINE REFRIGERANT PIPING IS SHOWN FOR CLARITY ONLY. CONTRACTOR SHALL PROVIDE SUCTION AND LIQUID LINES, VALVES, FITTINGS, CONTROLS AND ALL ELECTRICAL WIRING REQUIRED FOR EACH REFRIG. CIRCUIT.

EQUIPMENT KEY

IDH-6/B-1
- DISPLAY CASE NUMBER
- REFRIGERATION CIRCUIT
- PROBE ASSIGNMENT
- DISPLAY CASE



N KEY PLAN

ALABAMA REGISTERED PROFESSIONAL ENGINEER

SHT. REF NO R2.1

REVISIONS

REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

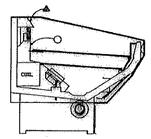
SUBTITLE: PART A REFRIGERATION PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR DIV	ASSOC CIVIL ENGR	BASE CIVIL ENGR

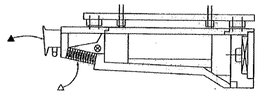
DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90

DRAWN BY	PROJECT NO	SHEET	DRAWING NO
GS/RR	JUBJ860701	51 of 65	G00811-9001

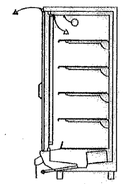
SECTION BLUEPRINT & SUPPLY 338 3444



D CASE



E CASE



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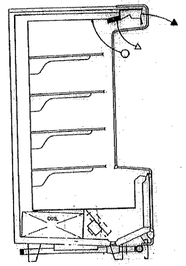


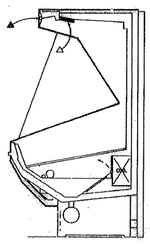
F AND J CASE

LEGEND:

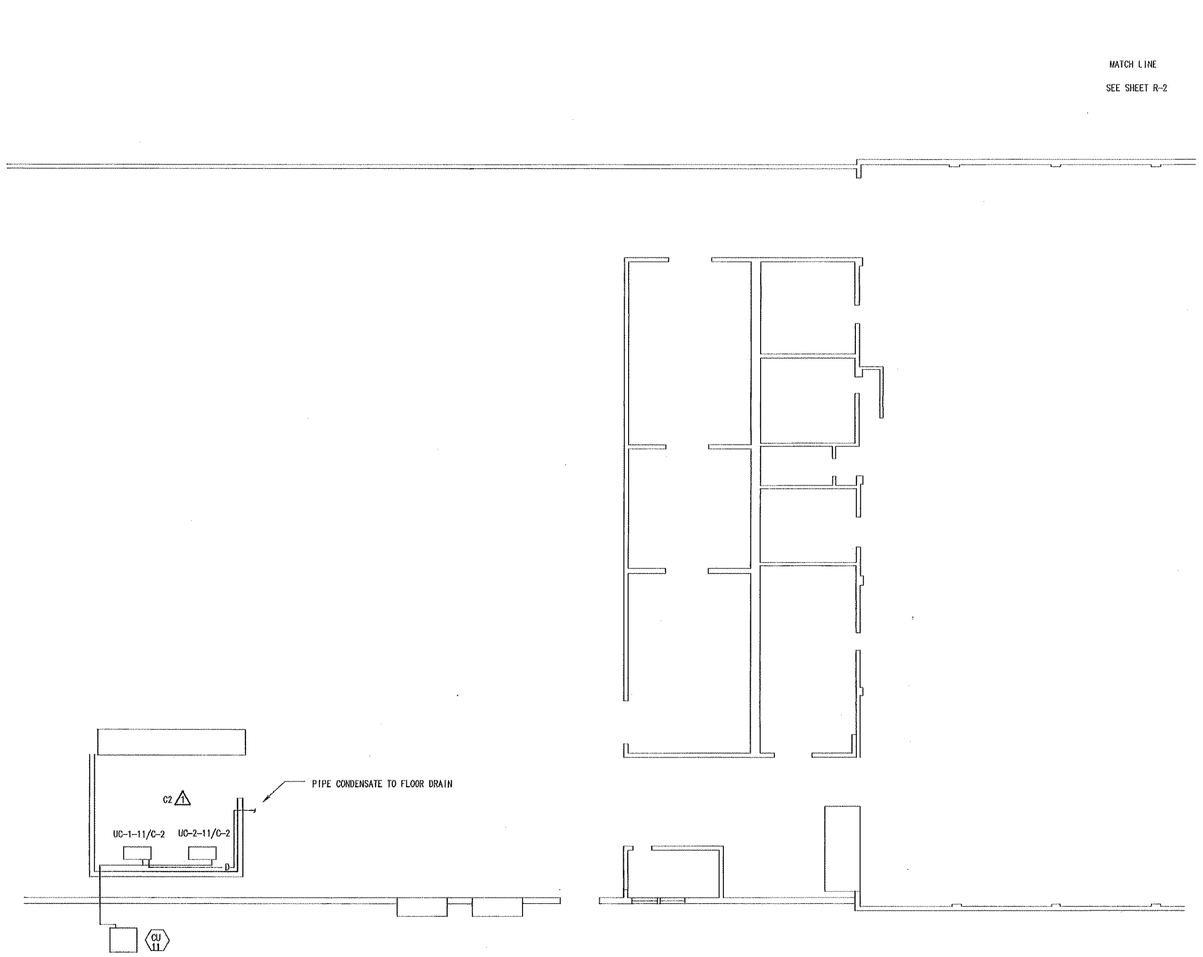
▲ REFRIGERATION AND RMCS IDENTIFICATION (TYP.)

△ TEMPERATURE PROBE, DISCHARGE GRILL MOUNTED POSITION (TYP.)

○ TEMPERATURE PROBE DISCHARGE AIR STREAM POSITION PROBE MOUNTED ON REMOVABLE PLUG (TYP.)



A, WA AND WJ CASE

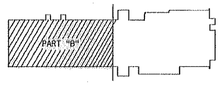


PART B REFRIGERATION PLAN

SCALE 1/8" = 1'-0"

SHEET NOTES:

1. PROBE ASSIGNMENT FOR FREEZER



KEY PLAN

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPRD

SAFETY

ENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

CORROSION CONTROL

SPECIFICATIONS

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER A.F.B., ALABAMA

SUBTITLE: PART B REFRIGERATION PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
JOINT AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90

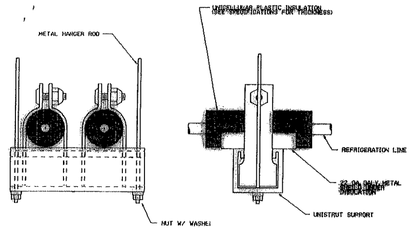
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
GS/RR	JUB1860701	52 of 65	G00811-9001

SHT. REF. NO. R2.2

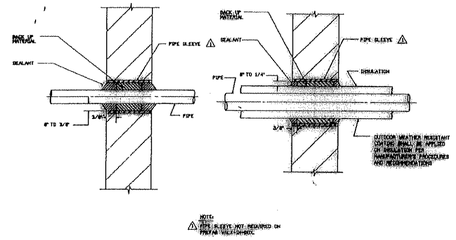
ALABAMA REGISTERED PROFESSIONAL ENGINEER THOMAS L. HATCHER

8096R3

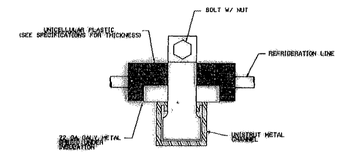
SKELTON BLUEPRINT & SUPPLY '93



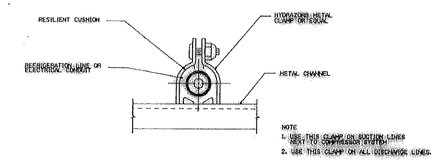
TYPICAL HANGER DETAIL FOR A MULTIPLE INSULATED REFRIGERATION LINES
A R3.1



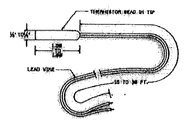
B R3.1 PIPING THRU WALL ABOVE GRADE



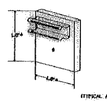
C R3.1 CLAMP ASSEMBLY FOR INSULATED REFRIGERATION LINES



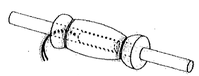
D R3.1 CLAMP ASSEMBLY FOR UNINSULATED REFRIGERATION LINES OR ELECTRICAL CONDUIT



TYPICAL TEMPERATURE PROBE

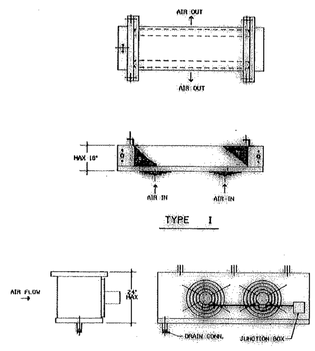


WALK-IN-BOX PROBE MOUNTING BLOCK

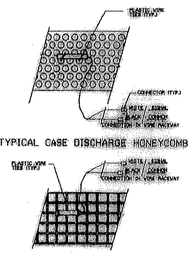


HIGH OR LOW TEMPERATURE PIPE SENSOR WITH INSULATION

E R3.1 TEMPERATURE PROBE DETAILS



F R3.1 UNIT COOLER AIR FLOW TYPE



TYPICAL CASE DISCHARGE HONEYCOMB

TYPICAL CASE DISCHARGE GRILL

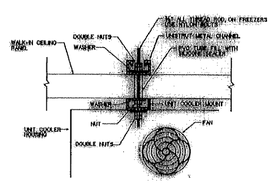
NOTES:
1. PROBE ASSEMBLIES ARE TO BE MOUNTED IN DISCHARGE SUPPLY AIR. (NOT FROM THE DISTRIBUTION CENTER LINE OF THE ASSEMBLY) THE INSTALLED TEMPERATURE INDICATOR/PROBE SHOW ON CASE AS △ ONLY.
2. ENSURE THAT PROBE ASSEMBLY VIEWING IS SECURELY FASTENED AWAY FROM DEFROST HEATERS.

G R3.1 CASE PROBE DETAIL

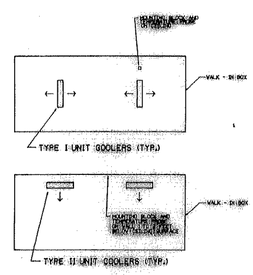
LINE SIZE OD-IN	MAXIMUM SPAN FEET
5/8	5
1-1/8	7
1-5/8	9
2-1/8	10
3-1/8	12
3-5/8	13
4-1/8	14

MAXIMUM SPACING BETWEEN PIPE SUPPORTS FOR REFRIGERANT PIPING

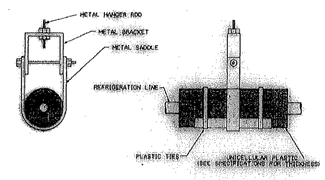
H R3.1 PIPE SUPPORT SPACING FOR REFRIGERANT PIPING



I R3.1 TYPICAL UNIT COOLER MOUNTING DETAIL



J R3.1 WALK - IN - BOX, TEMPERATURE PROBE LOCATION



K R3.1 TYPICAL HANGER DETAIL FOR SINGLE INSULATED REFRIGERATION LINE

REVISIONS

REV.	DATE	DESCRIPTION	SYM.	APPRVD

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG.
CORROSION CONTROL

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITIONS / ALTER COMMISSARY, BLDG. 811
GUNTER AFB., ALABAMA

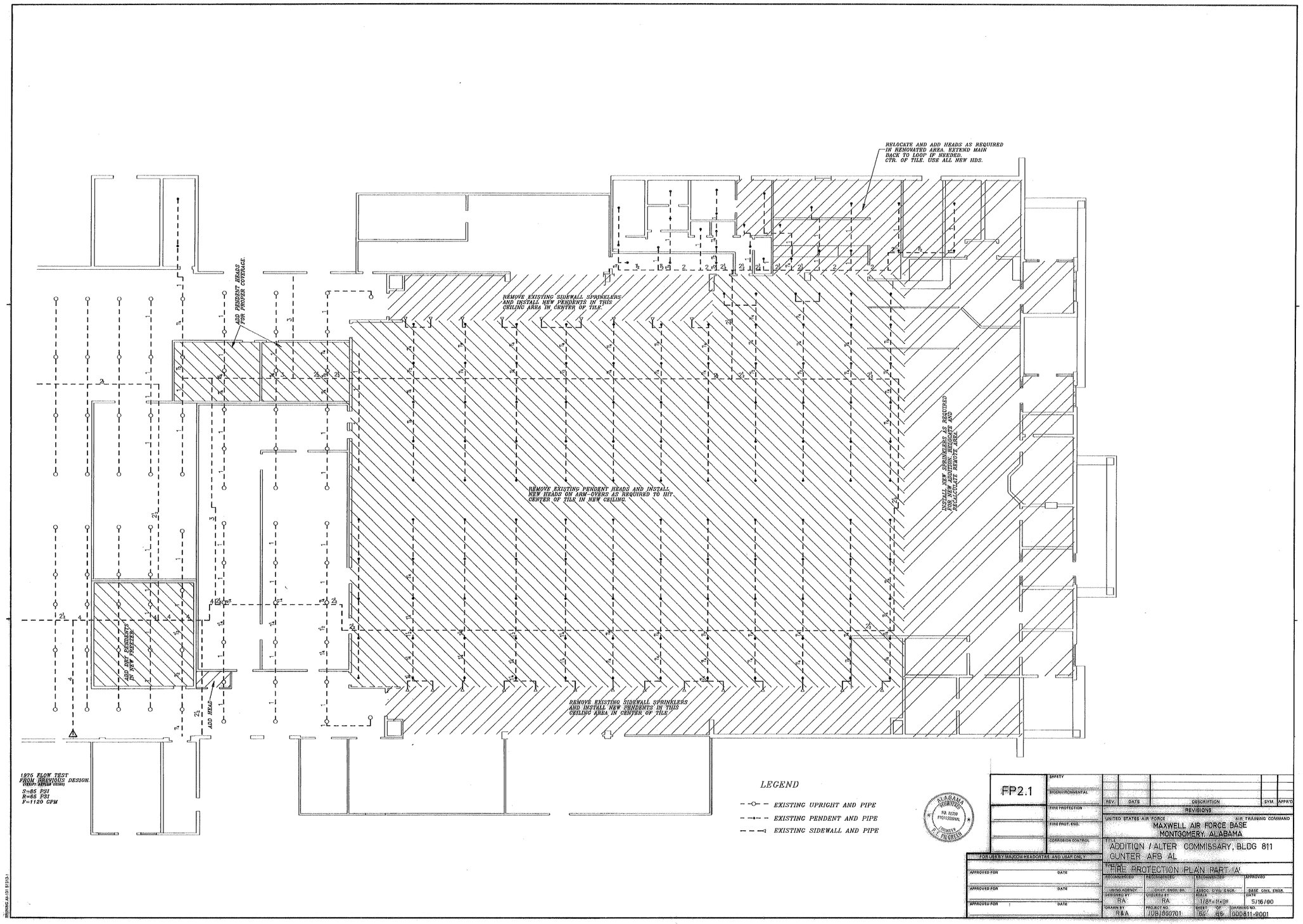
SUBTITLE: DETAILS

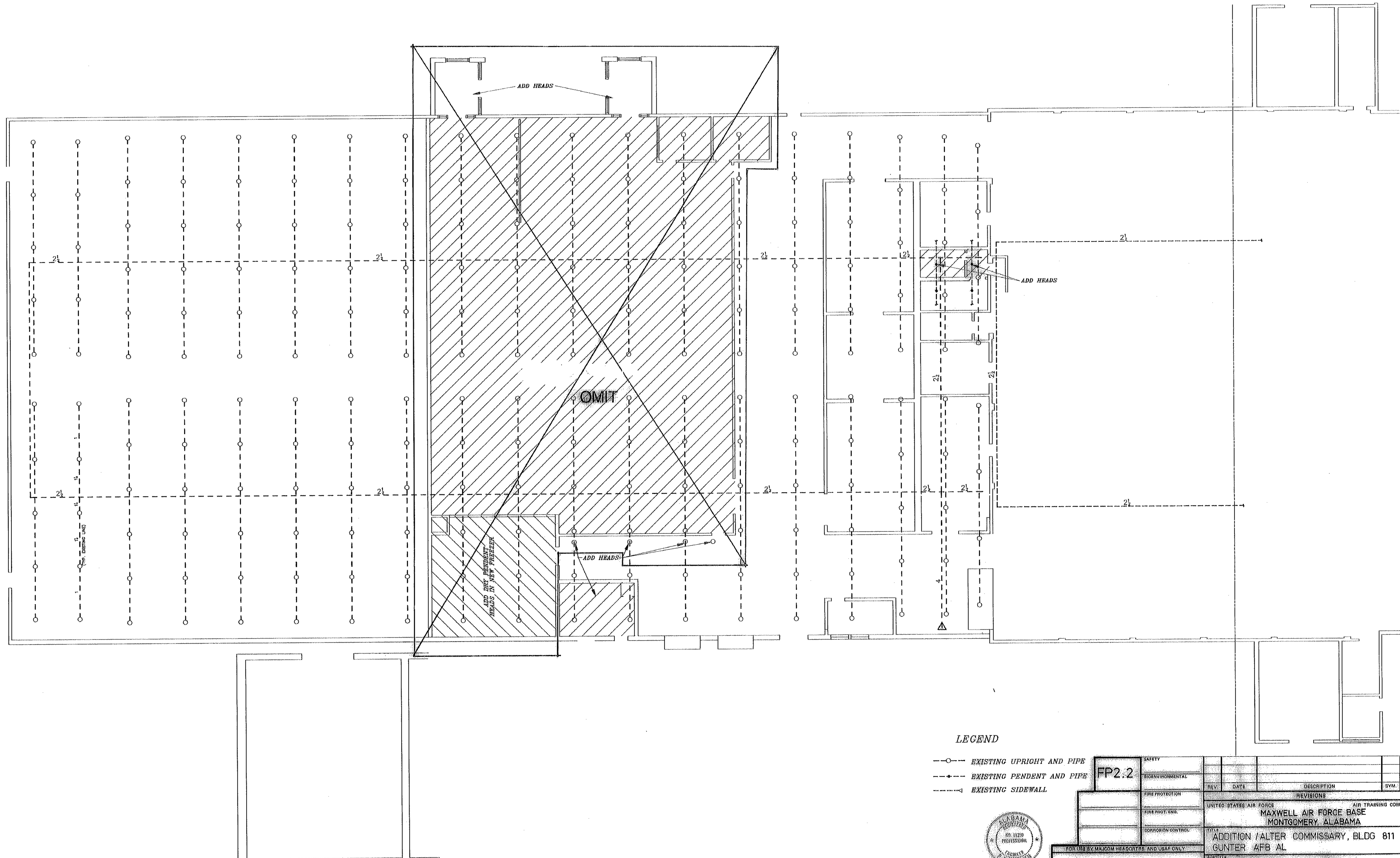
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
UNIT ARCHITECT	CHIEF ENGR. BR.	ASSOC. CIVIL ENGR.	ASSC. CIVIL ENGR.

DESIGNED BY	CHECKED BY	SCALE	DATE
TLH	TLH	SHOWN	5/16/90
DRAWN BY	PROJECT NO.	SHEET	DRAWING NO.
GWS	JUB1860701	53 of 65	600811-9001

ALABAMA REGISTERED PROFESSIONAL ENGINEER NO. 13263 CHARLES T. MATHEWS

SHT. REF. NO. R2.3


RELOCATE AND ADD HEADS AS REQUIRED IN RENOVATED AREA. EXTEND MAIN BACK TO LOOP IF NEEDED. CTR. OF TILE. USE ALL NEW HDS.
ADD PENDANT HEADS FOR PROPER COVERAGE.
REMOVE EXISTING SIDEWALL SPRINKLERS AND INSTALL NEW PENDENTS IN THIS CEILING AREA IN CENTER OF TILE.
REMOVE EXISTING PENDENT HEADS AND INSTALL NEW HEADS ON ARM-OVERS AS REQUIRED TO HIT CENTER OF TILE IN NEW CEILING.
INSTALL NEW SPRINKLERS AS REQUIRED FOR NEW ADDITION. RELOCATE AND RECALCULATE REMOTE AREA.
ADD DRY PENDANTS IN NEW FREEZER.
ADD HEAD
REMOVE EXISTING SIDEWALL SPRINKLERS AND INSTALL NEW PENDENTS IN THIS CEILING AREA IN CENTER OF TILE.
1976 FLOW TEST FROM PREVIOUS DESIGN. (REDIT. REPEAT VIGIN)
S=85 PSI
R=65 PSI
F=1120 GPM
LEGEND
EXISTING UPRIGHT AND PIPE
EXISTING PENDENT AND PIPE
EXISTING SIDEWALL AND PIPE
ALABAMA REGISTERED PROFESSIONAL ENGINEER
FP2.1
SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG.
CORROSION CONTROL
REV. DATE DESCRIPTION SYM. APPR'D
REVISIONS
UNITED STATES AIR FORCE
AIR TRAINING COMMAND
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA
TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL
SUBTITLE
FIRE PROTECTION PLAN PART 'A'
FOR USE BY MAJCOM HEADQUARTERS AND USAF ONLY
APPROVED FOR DATE
RECOMMENDED
USING AGENCY
CHIEF, ENGR. BR.
ASSOC. CIVIL ENGR.
BASE CIVIL ENGR.
DESIGNED BY RA
CHECKED BY RA
SCALE 1/8"=1'-0"
DATE 5/16/90
DRAWN BY R&A
PROJECT NO. JOB 860701
SHEET 02 OF 09
DRAWING NO. 000811-9001



LEGEND

- EXISTING UPRIGHT AND PIPE
- EXISTING PENDENT AND PIPE
- EXISTING SIDEWALL

ALABAMA REGISTERED NO. 11350 PROFESSIONAL ENGINEER

FP2.2

SAFETY	
BIOENVIRONMENTAL	
FIRE PROTECTION	
FIRE PROT. ENG.	
CORROSION CONTROL	

REV.	DATE	DESCRIPTION	SYM.	APPR'D
REVISIONS				

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: FIRE PROTECTION PLAN PART 'B'

FOR USE BY MAJCOM HEADQRTRS. AND USAF ONLY	
APPROVED FOR	DATE
APPROVED FOR	DATE
APPROVED FOR	DATE

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF, ENGR. BR.	ASSOC. CIVIL ENGR.	BASE CIVIL ENGR.
DESIGNED BY: RA	CHECKED BY: RA	SCALE: 1/8"=1'-0"	DATE: 5/16/90
DRAWN BY: R & A	PROJECT NO.: JUBU860701	SHEET 55 OF 65	DRAWING NO.: 000811-9001

DEMOLITION LEGEND

- EXISTING WALL MOUNTED RECEPTACLE & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING FLOOR MOUNTED RECEPTACLE TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING FOOR MOUNTED TELEPHONE OUTLET TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING JUNCTION BOX & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING FLOOR MTD. JUNCTION BOX & ALL ASSOCIATED WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING DERESS SYSTEM JUNCTION BOX & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING TELEPHONE OUTLET & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING PANEL & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING DISCONNECT & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING SPEAKER & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING CLOCK & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING FLOOR TO CEILING POWER/TELE POLE & ALL ASSOCIATED WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING AUDIO DEVICE TO BE RELOCATED AS INDICATED.
- EXISTING FIRE ALARM AUDIO/VISUAL DEVICE & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING FIRE ALARM PULL STATION & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING HEAT DETECTOR TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING 1'x8' FLUORESCENT LIGHT FIXTURE & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING 1'x4' VAPOR-PROOF FLUORESCENT LIGHT FIXTURE & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING 2'x4' LAY-IN FLUORESCENT LIGHT FIXTURE & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING 2'x2' HID LIGHT FIXTURE & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING INCANDESCENT LIGHT FIXTURE & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- VP — EXISTING VAPOR-PROOF INDANDESCENT LIGHT FIXTURE & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- S — EXISTING INCANDESCENT SPOT LIGHT & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING TOGGLE SWITCH & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- ER — EXISTING JUNCTION BOX TO REMAIN.
- EXISTING EMERGENCY LIGHT FIXTURE & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- EXISTING CONCEALED CONDUIT & WIRING TO BE REMOVED COMPLETE.
- EXISTING CONCEALED CIRCUIT HOMERUN TO BE REMOVED COMPLETE.
- EXISTING EXPOSED CONDUIT & WIRE TO BE REMOVED COMPLETE.
- ER — EXISTING CONDUIT & WIRING TO BE REMAIN.
- ER — EXISTING TO REMAIN.
- EU — EXISTING CONDUIT & WIRING UNDER SLAB. REMOVE WIRE COMPLETE.
- C — EXISTING CHECKOUT COUNTER COMMUNICATIONS & SECURITY HOMERUN TO BE REMOVED COMPLETE UNLESS OTHERWISE INDICATED.
- C — EXISTING SPEAKER WIRING TO BE REMOVED COMPLETE.
- A — EXISTING MUSIC SYSTEM AMPLIFIER TO BE REMOVED COMPLETE.
- R — EXISTING TELEPHONE OUTLET & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE. HOLD EXISTING TELEPHONE FOR RELOCATION. UNLESS OTHERWISE INDICATED.
- R — EXISTING PAY TELEPHONE OUTLET & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE. HOLD PAY TELEPHONE FOR RELOCATION. UNLESS OTHERWISE INDICATED.
- IC — EXISTING INTERCOM STATION & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE. UNLESS OTHERWISE INDICATED.
- C — EXISTING COMPUTER COMMUNICATIONS OUTLET & ALL ASSOCIATED CONDUIT & WIRING TO BE REMOVED COMPLETE. UNLESS OTHERWISE INDICATED.

ELECTRICAL LEGEND:

- EXISTING SURFACE MOUNTED PANEL TO REMAIN UNLESS OTHERWISE INDICATED.
- EXISTING FLUSH MOUNTED PANEL TO REMAIN UNLESS OTHERWISE INDICATED.
- RECESSED PANEL. MTD 5'-0" AFF. UNLESS OTHERWISE INDICATED.SEE PANEL SCHEDULE.
- SURFACE MOUNTED PANEL. MTD 5'-0" AFF. UNLESS OTHERWISE INDICATED. SEE PANEL SCHEDULES.
- 240V, 3POLE, FUSIBLE HEAVY DUTY SAFETY SWITCH, NEMA 3R ENCLOSURE MTD. 4'- 0" ADF. UNLESS OTHERWISE INDICATED. SIZED AND FUSED AS INDICATED WITH DUAL ELEMENT TIME DELAY FUSES.
- WP — SAME AS ABOVE EXEPT NEMA 4 ENCLOSURE.
- COMBINATION STARTER MTD. 5'-0" AFF. SEE MECHANICAL.
- $_M — SINGLE POLE 120/277V., MOTOR SNAP SWITCH WITH PILOT LIGHT AND THERMAL OVERLOADS. MOUNTED 4'-0" AFF. UNLESS OTHERWISE INDICATED. SQUARE D 2510 FG-2P OR APPROVED EQUAL.
- $ — 120/277V., 20A. SINGLE POLE TOGGLE SWITCH WITH S.S. FACEPLATE. MTD. 4'-0" AFF. HUBBELL No. 1221-I OR APPROVED EQUAL.
- $_MC — MOMENTARY CONTACT SWITCH. MTD. 4"-0" AFF. HUBBELL 1557-I OR APPROVED EQUAL.
- $_3 — 120/277V., 20A. THREE WAY TOGGLE SWITCH WITH S.S. FACEPLATE. MTD. 4'-0" AFF. HUBBELL No. 1223-I OR APPROVED EQUAL.
- $_P — 120/277V., 20A. SINGLE POLE TOGGLE SWITCH W/ PILOT LIGHT & S.S. FACEPLATE. MTD. 4'-0" AFF.. HUBBELL No. 1201-PL OR APPROVED EQUAL.
- 120V.,20A DUPLEX RECEPTACLE NEMA 5-20R WITH S.S. FACEPLATE MTD. 1'- 2" AFF.. UNLESS OTHERWISE NOTED. HUBBELL No. 5362-I OR APPROVED EQUAL.
- F WP — SAME AS ABOVE EXCEPT FLOOR MTD. W/ WEATHERPROOF COVER. SEE DETAIL.
- F — 120V., 20A DOUBLE (DUPLEX) RECEPTACLE NEMA 5-20R WITH S.S. FACEPLATE FLOOR MTD. UNLESS OTHERWISE NOTED. No. 5362-I OR APPROVED EQUAL. SEE DETAIL.
- 120V.,20A DUPLEX RECEPTACLE NEMA 5-20R WITH S.S. FACEPLATE MTD. 3'- 8" AFF.. UNLESS OTHERWISE NOTED. HUBBELL No. 5362-I OR APPROVED EQUAL.
- WP GFI — 120V.,20A DUPLEX GROUND FAULT RECEPTACLE NEMA 5-20R WITH S.S. FACEPLATE & WEATERPROOF COVER. MTD. 3'-8" AFF. UNLESS OTHERWISE INDICATED. HUBBELL No. 5362-I OR APPROVED EQUAL.
- WP — SAME AS ABOVE EXCEPT W/ WEATHERPROOF COVER.
- 120V.,20A SIMPLEX RECEPTACLE NEMA 5-20R WITH S.S. FACEPLATE MTD. 1'- 2" AFF.. UNLESS OTHERWISE NOTED. HUBBELL No. 5361-I OR APPROVED EQUAL.
- IG — 120V, 20A DUPLEX RECEPTACLE NEMA 5-20R ISOLATED GROUND TYPE WITH S.S. FACEPLATE. HUBBELL No. IG-5362-I OR APPROVED EQUAL.
- WP GFI — 120V.,20A DUPLEX GROUND FAULT RECEPTACLE NEMA 5-20R WITH WEATHERPROOF COVER AND. 1'-2" AFG. UNLESS OTHERWISE NOTED. HUBBELL No. GF-5362 OR APP. EQUAL.
- 250V.,30A SIMPLEX RECEPTACLE NEMA 6-30R WITH S.S. FACEPLATE MTD. 1'- 2" AFF.. UNLESS OTHERWISE NOTED. HUBBELL No. 9330 OR APPROVED EQUAL.
- IG — 125/250V, 20A SIMPLEX RECEPTACLE NEMA L14-20R ISOLATED GROUND TYPE W/ S.S. FACEPLATE MTD. 1'-2" AFF. UNLESS OTHERWISE INDICATED. HUBBELL No. IG-2410-A OR APPROVED EQUAL.
- WP — 250V., 30A SIMPLEX RECEPTACLE NEMA 6-30R W/ WEATHERPROOF COVER. MTD. 1'-2" AFF. UNLESS OTHERWISE NOTED. HUBBELL No. 9330 OR APPROVED EQUAL.
- WP — 250V., 20A SIMPLEX RECEPTACLE NEMA L6-20R W/ WEATHERPROOF COVER MTD. 1'-2" AFF. UNLESS OTHERWISE NOTED. HUBBELL No. 2320-A OR APPROVED EQUAL.
- J — JUNCTION BOX MOUNTED ABOVE CEILING UNLESS OTHERWISE INDICATED. SIZE AS REQUIRED UNLESS OTHERWISE NOTED.
- FLOOR MOUNTED JUNCTION BOX UNLESS OTHER INDICATED SIZE AS REQUIRED.. SEE DETAIL.
- J — 4"x4"x1 1/2" JUNCTION BOX MTD. 1'-2" AFF. UNLESS OTHERWISE NOTED. W/ 3/4" C. STUBBED ABOVE CEILING.
- CONCEALED CONDUIT WITH 2 # 12 & 1 # 12 GND, 3/4" C. UNLESS OTHERWISE INDICATED.
- CONCEALED CONDUIT WITH CIRCUIT HOMERUN- 3 # 12, 1 # 12N & 1 # 12 GND, 3/4" C. UNLESS OTHERWISE INDICATED.
- 10 — CONCEALED CONDUIT WITH 2 # 10 & 1 # 12 GND, 3/4" C. UNLESS OTHERWISE INDICATED.
- 10 — CONCEALED CONDUIT WITH 3 # 10, 1 # 10N & 1 # 12 GND, 3/4" C. UNLESS OTHERWISE INDICATED.
- UNDERGROUND CONDUIT 2 #12 & 1 #12 GND., 3/4"C. UNLESS OTHER WISE INDICATED. CHASE & PATCH FLOOR AS REQUIRED
- UNDERGROUND CONDUIT WITH 3 #10 & 1 #12 GND., 3/4"C. UNLESS OTHERWISE INDICATED. CHASE & PATCH FLOOR AS REQUIRED.
- ER — EXISTING UNDERGROUND CONDUIT & WIRE TO REMAIN.
- ER — EXISTING CONCEALED CONDUIT & WIRE TO REMAIN.
- EXPOSED CONDUIT 2 # 12 & 1 # 12 GND., 3/4"C. UNLESS OTHERWISE INDICATED.
- LIQUIDTITE FLEXIBLE CONDUIT. SIZE AS REQUIRED.
- SS — UNDER FLOOR 1"x3" WALKER DUCT OR APPROVED EQUAL FOR SECURITY SYSTEM CONDUCTORS.
- IC — UNDER FLOOR 1"x 3" WALKER DUCT OR APPROVED EQUAL FOR INTERCOM SYSTEM CONDUCTORS. SEE CHECKOUT STAND RISER DIAGRAM.
- CS — UNDER FLOOR 1"x6" WALKER DUCT OR APPROVED EQUAL & CONDUCTORS FOR CHECKOUT STAND POWER. SEE CHECKOUT STAND WIRING RISER DIAGRAM.
- CRCC — UNDER FLOOR 1"x3" WALKER DUCT OR APPROVED EQUAL & CONDUCTORS FOR CASH REGISTER COMMUNICATIONS/CONTROL. SEE CHECKOUT STAND WIRING RISER DIAGRAM.
- NCR — UNDER FLOOR 1"x6" WALKER DUCT OR APPROVED EQUAL & CONDUCTORS FOR SCANNING SYSTEM POWER. SEE CHECKOUT STAND WIRING RISER DIAGRAM.
- SL-1 LT — LIGHT TRACK WITH STEP CYLINDER LIGHT FIXTURES. SEE FIXTURE SCHEDULE.
- 2' X 4', RECESSED FLUORESCENT LIGHT FIXTURE. SEE FIXTURE SCHEDULE.
- 4' SURFACE MOUNTED FLOURESCENT LIGHT FIXTURE. SEE FIXTURE SCHEDULE.
- 1' X 8' FLUORESCENT LIGHT FIXTURE. PENDANT OR SURFACE MTD. AS INDICATED ON FIXTURE SCHEDULE.
- VAPOR-PROOF INCANDESCENT LIGHT FIXTURE MOUNTED IN HOOD. SEE FIXTURE SCHEDULE.
- CEILING MOUNTED EXIT LIGHT. SEE FIXTURE SCHEDULE.
- WALL MTD. EXIT LIGHT. SEE FIXTURE SCHEDULE.
- WALL BRACKET LIGHT FIXTURE MTD. 7'-6" AFF. SEE FIXTURE SCHEDULE.
- DL-1 — INCANDESCENT DOWN LIGHT. SEE FIXTURE SCHEDULE.
- CL-1 — SURFACE MOUNTED INCANDESCENT. SEE FIXTURE SCHEDULE.
- CP-1 — LIGHTING CONTACTOR PANEL. SEE LIGHTING CONTROL SCEMATIC.
- TELEPHONE OUTLET. SINGLE GANG BOX WITH S.S. FACEPLATE. 3/4"C. TO EXISTING TELEPHONE BACKBOARD. MATCH EXISTING TELEPHONE CABLE FOR MULTILINE SYSTEM. MOUNT OUTLET 1'-2" AFF. UNLESS OTHERWISE INDICATED. SEE TELEPHONE SYSTEM RISER DIAGRAM.
- D — SAME AS ABOVE EXCEPT PROVIDE NEW DESK MOUNTED MULTILINE TELEPHONE (MATCH EXISTING). UNLESS OTHERWISE INDICATED.
- W — SAME AS ABOVE EXCEPT PROVIDE NEW WALL MOUNTED MULTILINE TELEPHONE (MATCH EXISTING) MTD 54" AFF. UNLESS OTHERWISE INDICATED.
- P — TELEPHONE OUTLET. SINGLE GANG BOX WITH S.S. FACEPLATE. 3/4"C. TO EXISTING TELEPHONE BACKBOARD. MATCH EXISTING PAY TELEPHONE CABLE. PROVIDE NEW PAY TELEPHONE. MTD. 54" AFF. UNLESS OTHERWISE IND. SEE TELEPHONE SYS. RISER DIAGRAM.
- RP — SAME AS ABOVE EXCEPT INSTALL EXISTING RELOCATED PAY TELEPHONE. UNLESS OTHERWISE INDICATED.
- RD — TELEPHONE OUTLET. SINGLE GANG BOX WITH S.S. FACEPLATE. 3/4"C. TO EXISTING TELEPHONE BACKBOARD. MATCH EXISTING TELEPHONE CABLE FOR MULTILINE SYSTEM. EXISTING RELOCATED MULTILINE DESK MOUNTED TELEPHONE TO BE INSTALLED AT THIS LOCATION. MOUNT OUTLET BOX 1'-2" AFF. UNLESS OTHERWISE INDICATED. SEE TELEPHONE SYSTEM RISER DIAGRAM.
- F — FIRE ALARM MANUAL PULL STATION. MTD. 4'-0" AFF. MATCH EXISTING DEVICES.
- A/V — FIRE ALARM AUDIO/VISUAL DEVICE (HORN/STROBE). MTD. MTD. 7'-6" AFF.. MATCH EXISTING.
- D — FIRE ALARM DUCT DETECTOR WITH SAMPLING TUBE.
- H — FIRE ALARM 135 DEGREE F. COMBINATION FIXED TEMPERATURE AND RATE OF RISE HEAT DETECTOR. CEILING MOUNTED.
- F — FIRE ALARM 194 DEGREE F. COMBINATION FIXED TEMPERURE AND RATE OF RISE HEAT DETECTOR. CEILING MTD.
- D — FIRE ALARM SMOKE DETECTOR. CEILING MTD.

ELECTRICAL LEGEND CONTINUED:

- S — RECESSED SPEAKER FOR INTERCOM SYSTEM CEILING MTD. W/ INTEGRAL VOLUME CONTROL UNLESS OTHERWISE INDICATED.
- S — WALL MTD HORN SPEAKER FOR INTERCOM SYSTEM.
- POINT OF CONNECTION OF NEW TO EXISTING WORK.
- WP — DEVICE AS INDICATED WITH WEATHERPROOF COVER.
- ER — EXISTING TO REMAIN.
- EM/NL — EMERGENCY/NIGHT LIGHT. CONTINUOUS OPERATION WITH BATTERY BACKUP. SEE EM/NL ON FIXTURE SCHEDULE FOR BATTERY SPEC.
- EF — EXHAUST FAN. SEE MECHANICAL PLAN.
- TELEPHONE OUTLET. SINGLE GANG BOX WITH RJ-11 PLUG RECEPTACLE. S.S. FACEPLATE, 3/4"C. TO EXISTING TELEPHONE BACKBOARD. PROVIDE DEDICATED COMMERICAL TELEPHONE LINE. MOUNT OUTLET 1'-2" AFF. SEE TELEPHONE RISER DIAGRAM.
- O — 4"X4" FLUSH MTD. BOX FOR CASH REGISTER COMM./CONTROL PANEL VIA 2 TWISTED PAIR SHEILDED CABLE. MTD. 1"-2" AFF.
- T — DRY TYPE TRANSFORMER. SEE POWER RISER DIAGRAM.
- E — EMERGENCY OFF PUSH BUTTON MTD. 4'-6" AFF. SQUARE 'D' 9001 KR-25R OR APPROVED EQUAL & LABELED "EMERGENCY OFF".
- DURESS SYSTEM ALARM INITIATOR DEVICE. MATCH EXISTING. REUSE EXISTING DEVICES AS REQUIRED.
- C — ELECTRICALLY HELD 3P, 20A, 277V. LIGHTING CONTACTOR SQUARE 'D' LG-20 OR APPROVED EQUAL. MTD ABOVE CEILING IN NEMA 1 ENCLOSURE. UNLESS OTHERWISE INDICATED.
- D — INTERCOM DESK MOUNTED MASTER STATION (HANDSET). MOUNT OUTLET 1'2" AFF. SEE INTERCOM SYSTEM RISER DIAGRAM.
- W — INTERCOM WALL MOUNTED 54" AFF. MASTER STATION (HANDSET). SEE INTERCOM SYSTEM RISER DIAGRAM.
- WR — INTERCOM WALL MOUNTED 54" AFF. REMOTE STATION SEE INTERCOM SYSTEM RISER DIAGRAM.
- A — INTERCOM SYSTEM CONTROLS & AMPLIFIER; AM/FM TUNER & CASSETTE DECK. SEE INTERCOM SYSTEM RISER DIAGRAM.
- Q — ELECTRONIC QUEING SYSTEM - CONSISTS OF ELECTRONIC PANELBOARD SUSPENDED FROM CEILING WITH DIGITAL GRAPHICS TO ANNOUNCE NEXT AVAILABLE CASHIER. SYSTEM SHALL BE HARDWIRED BETWEEN CHECKOUT COUNTERS VIA INTERCOM SYSTEM RACEWAY. SYSTEM SHALL BE MANUFACTURED BY LOBBY TRAFFIC SYSTEMS 3582 ROSE AVE., LONG BEACH, CA. 90807, (213) 492-6930 OR APPROVED EQUAL.
- V — SPEAKER VOLUME CONTROL MTD. 4'- 0" AFF..

FIXTURE SCHEDULE

MARK	LAMPS	MANUFACTURER & CAT. NO.	VOLTS	MTD	REMARKS
CL-1	1-60W A-19	MARCO NO. C1008 OR OR APPROVED EQUAL	120	S	INCANDESCENT 8" DRUM LIGHT WITH OPAL GLASS. U.L. LISTED.
DL-1	1-100W A-19	PRESCOLITE NO. 1222-262 OR APPROVED EQUAL	120	R	INCANDESCENT 5" ROUND DOWN LIGHT WITH CLEAR ALZAK REFL.
EL-1	2-8W TH	LITHONIA NO. ELR-2N-MC-H OR APPROVED EQUAL.	277	R	SEMI-RECESSED EMERGENCY LIGHT WITH PAR-18 MINI CYLINDER HEADS. UL LISTED.
EM/NL	N/A	LITHONIA EL OR APPROVED EQUAL.	277		EMERGENCY BATTERY PACK TO BE PROVIDED WITH SELECTED FLUORESCENT LIGHT FIXTURES AS INDICATED.
EX-1	2-20W 6VDC	LITHONIA NO. ES1R-ELN OR APPROVED EQUAL.	277	S	EM. EXIT LTG. WITH RED LETTERS, STENSIL FACE, & BATTERY PACK. CEILING MOUNTED. U.L. LISTED FOR DAMP LOCATIONS. SHADED AREA INICATES FACE.
EX-2	2-20W 6VDC	LITHONIA NO. ES1R-ELN OR APPROVED EQUAL.	277	S	EM. EXIT LTG. WITH RED LETTERS, STENSIL FACE, & BATTERY PACK. WALL MOUNTED. U.L. LISTED FOR DAMP LOCATIONS. SHADED AREA INICATES FACE.
F-2	2-34W WW/ES/RS	LITHONIA NO. SPG 240RW-A12-ES-SLP OR APPROVED EQUAL. SEE NOTE 2 BELOW.	277	R	1' X 4' FLUORESCENT LAY-IN FIXTURE WITH REGRESSED AL. DOOR AND PRISMATIC DIFFUSER.
FL-2	2-34W CW/ES/RS	LITHONIA NO. HMP 8 240 8 277 ES SLP OR APPROVED EQUAL.	277	R	1' X 4' FLUORESCENT LAY-IN PARABOLIC TROFFER. 8 CELLS 3" DEEP. UL LISTED FOR DAMP LOCATIONS.
FR-2	2-34W CW/ES/RS	LITECONTROL NO. R D 12N 2 4 T8 BW ESB DL ZC 277 48 OR APPROVED EQUAL.	277	R	4' X 8" FLUORESCENT FIXURE FOR LINEAR METAL CEILING. ZINC CHROMATE FINISH. U.L. LISTED FOR DAMP LOCATIONS.
FS-2	2-34W CW/RS/ES	LITHONIA NO. LB 240 A 277 ES OR APPROVED EQUAL.	277	S	10" X 48" FLUORSCENT WRAPAROUND WITH ACRYLIC DIFFUSER.
~~FSB-2~~	~~2-60W CW/RS/ES~~	~~LITHONIA NO. AF 10 296 277 ES OR APPROVED EQUAL.~~	~~277~~	~~R~~	~~8' TURRET INDUSTRIAL FLUORESCENT LIGHT FIXTURE WITH SWIVEL STEM HANGER. FIXTURE SHALL BE MOUNTED 15' AFF.~~
FSBA-2	2-60W CW/RS/ES	LITHONIA NO. AF 10 296 120 ES OR APPROVED EQUAL.	120	S	8' TURRET INDUSTRIAL FLUORESCENT LIGHT FIXTURE.
FT-2	2-34W WW/RS/ES	LITHONIA NO. 2SP G 240 RW A12 ES SLP OR EQUAL.	277	R	2' X 4' LAY-IN FLUORESCENT LIGHT FIXTURE WITH REGRESSED AL. DOOR AND PRISMATIC DIFFUSER.
FTA-2	2-34W CW/RS/ES	LITHONIA NO. 2SP F 240 RW A12 ES SLP OR EQUAL.	277	R	2' X 4' FLUORESCENT LIGHT FIXTURE WITH REGRESSED AL. DOOR AND PRISMATIC DIFFUSER. FLANGED TRIM.
FT-3	3-34 CW/RS/ES	LITHONIA NO. 2SP G 340 RW A12 ES SLP OR EQUAL.	277	R	2' X 4' LAY-IN FLUORESCENT LIGHT FIXTURE WITH REGRESSED AL. DOOR AND PRISMATIC DIFFUSER.
FT-4	4-34W CW/RS/ES	LITHONIA NO. 2SP G 440 RW A12 ES SLP OR EQUAL.	277	R	2' X 4' LAY-IN FLUORESCENT LIGHT FIXTURE WITH REGRESSED AL. DOOR AND PRISMATIC DIFFUSER.
FTA-4	4-34W CW/RS/ES	LITHONIA NO. 2SP F 440 RW A12 ES SLP OR EQUAL.	277	R	2' X 4' FLUORESCENT LIGHT FIXTURE WITH REGRESSED AL. DOOR AND PRISMATIC DIFFUSER. FLANGED TRIM.
FT1-3	2-34W CW/RS/ES	LITHONIA NO. 2SP G 240 RW A12 ES SLP OR EQUAL.	120	R	2' X 4' LAY-IN FLUORESCENT LIGHT FIXTURE WITH REGRESSED AL. DOOR AND PRISMATIC DIFFUSER.
FV-2	2-60W CW/RS/ES	LITHONIA NO. DD 296 A 120 ES OR APPROVED EQUAL. SEE NOTE # 1 BELOW.	120	S	7.125" X 8' FLUORESCENT LIGHT FIXTURE. NO LATCHES - FULLY GASKETED DIFFUSER SECURED WITH CONTINUOUS INTERLOCKING FLANGE. U.L. LISTED FOR WET LOCATIONS.
LT	N/A	PRECOLITE TT-WH OR APPROVED EQUAL.	120	S	TWO CIRCUIT, EXTRUDED AL LIGHT TRACK. WHITE FINISH. TOTAL LENGTH - 80'-0".
SL-1	1-150W R-40-SP	PRESCOLITE T144 WH OR APPROVED EQUAL.	120	S	STEP CYLINDER FIXTURE WITH 150W R-40 SPOT LAMP. WHITE FINISH. TO BE INSTALLED IN NEW LIGHT TRACK LT. OR APPROVED EQUAL.
WB-1	2-75W A-19	LITHONIA NO. WCA OR APPROVED EQUAL	120	S	12" WALLENS WITH BRUSHED ALUMINUM END CAPS.

CW COOLWHITE ES — ES ENERGY SAVINGS — HPS HIGH PRESSURE SODIUM — WW WARMWHITE
R RECESS — RS RAPID START — S SURFACE — W WALL — P PENDANT

NOTES:
1. FV-2 SHALL HAVE LOW TEMPERATURE BALLAST.
2. F-2 SHALL HAVE 3000°K LAMPS.

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION/ALTER COMMISSARY, BLDG 811 GUNTER AFB AL

SUBTITLE: ELECTRICAL LEGENDS

ALABAMA REGISTERED No. 15978 PROFESSIONAL ENGINEER CHARLES CRAIG MILLS

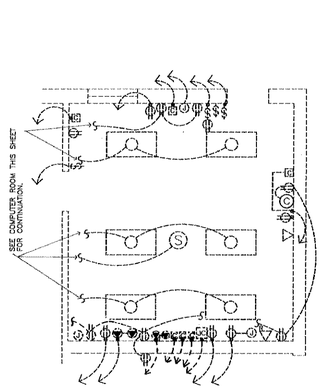
SAFETY / BIOENVIRONMENTAL / FIRE PROTECTION / FIRE PROT ENG / CORROSION CONTROL / OPERATIONS

RECOMMENDED: USING AGENCY — RECOMMENDED: CHIEF ENGR BR — RECOMMENDED: ASSOC CIVIL ENGR — APPROVED: BASE CIVIL ENGR

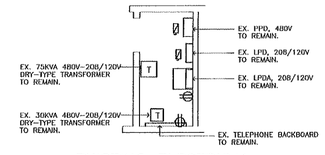
DESIGNED BY: CM — CHECKED BY: CM — SCALE: — DATE: 5/16/90

DRAWN BY: GY — PROJECT NO. JUBJ860701 — SHEET 56 OF 65 — DRAWING NO G00811-9001

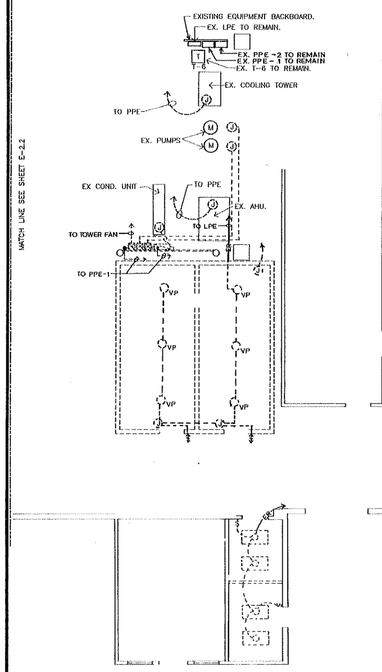
E-1.1

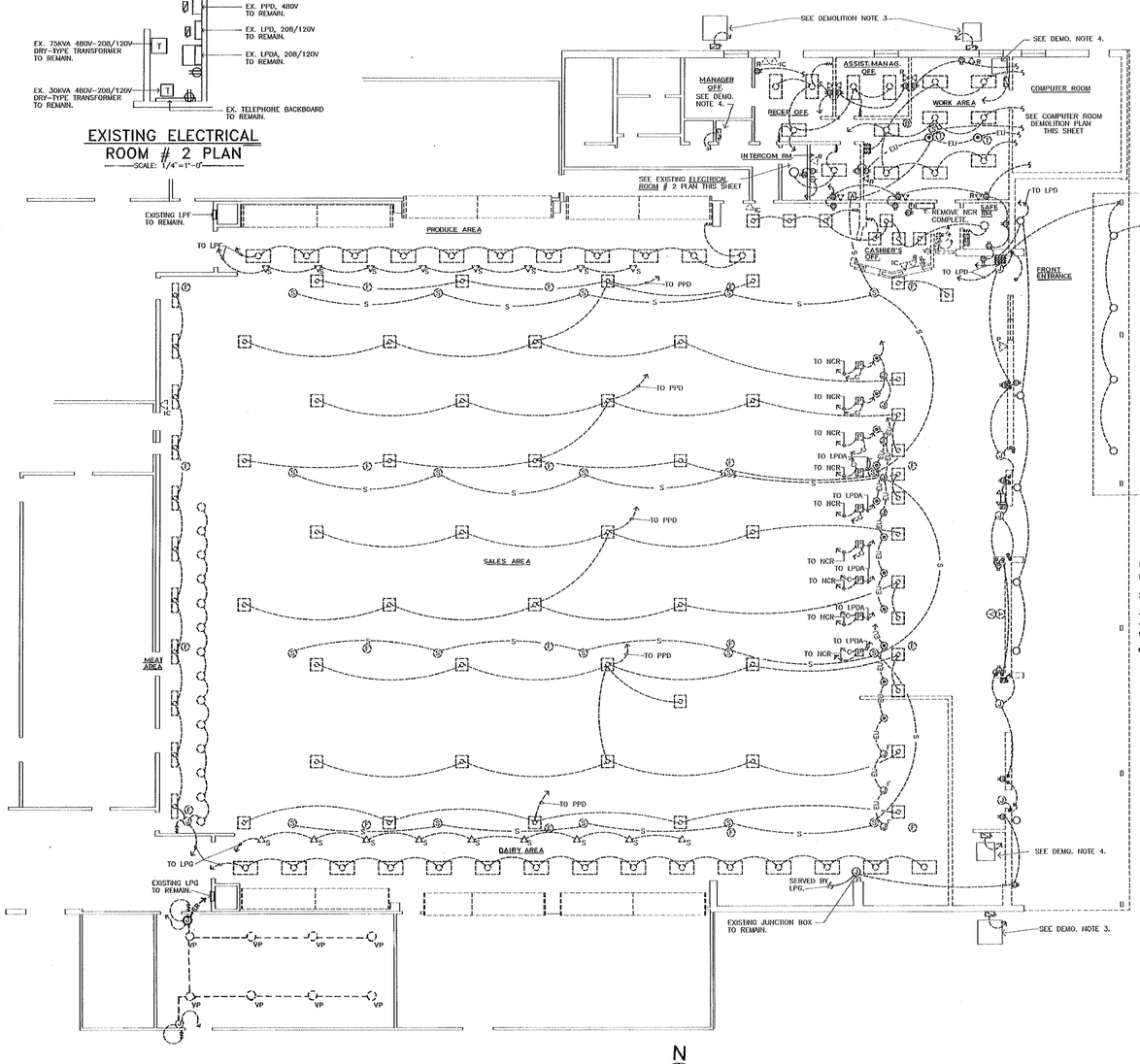


COMPUTER ROOM DEMOLITION PLAN
SCALE: 1/4"=1'-0"



EXISTING ELECTRICAL ROOM # 2 PLAN
SCALE: 1/4"=1'-0"





ELECTRICAL DEMOLITION PLAN PART 'A'
SCALE: 1/8"=1'-0"

N

NOTE: SCALES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY AND SHOULD NOT BE SCALED BY CONTRACTOR. CONTRACTOR SHALL USE MEASUREMENT SHOWN FOR NEW CONSTRUCTION AND FIELD VERIFY DIMENSIONS FOR EXISTING CONSTRUCTION.

DEMOLITION NOTES:

1. ALL EXISTING DEVICES/EQUIPMENT NOT SHOWN TO BE REMOVED SHALL REMAIN.
2. ALL EXISTING DEVICES/EQUIPMENT SHOWN TO BE REMOVED SHALL BE REMOVED COMPLETE.
3. EXISTING CONDENSING UNIT TO BE REMOVED. SEE MECH.
4. EXISTING VENTILATION UNIT TO BE REMOVED. SEE MECH.
5. REMOVE EXISTING RING FOR SERVICE BUZZERS AT MEAT CASES AND HOLD FOR RELOCATION. SEE SHEET E-3.1.
6. EXISTING DURESS SYSTEM DEVICES MAYBE REUSED.

MATCH LINE SEE SHEET E-2.2

SHELTON BLUEPRINT & SUPPLY 93 [illegible]

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
SPECIFICATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

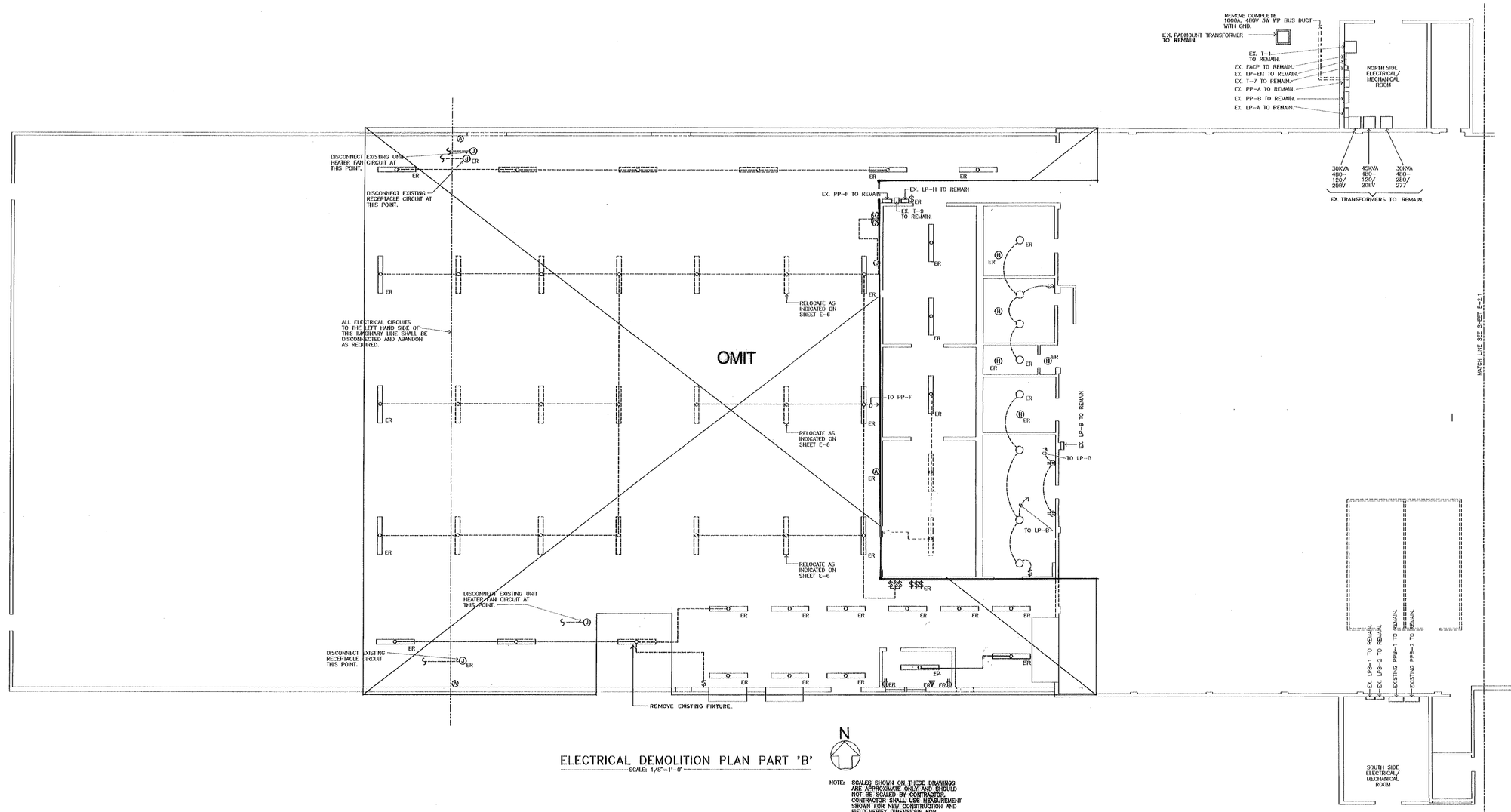
TITLE: ADDITION/ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: ELECTRICAL DEMOLITION PLAN PART "A"

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY: CM	CHECKED BY: CM	SCALE: 1/8" = 1'-0"	DATE: 5/16/90
DRAWN BY: GY	PROJECT NO: JUBJ860701	SHEET: 57 OF 65	DRAWING NO: G00811-9001

ALABAMA REGISTERED No. 15978 PROFESSIONAL ENGINEER CHARLES CRAIG HILL

E-2.1



ELECTRICAL DEMOLITION PLAN PART 'B'

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

NOTE: SCALES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY AND SHOULD NOT BE SCALED BY CONTRACTOR. CONTRACTOR SHALL USE MEASUREMENT SHOWN FOR NEW CONSTRUCTION AND FIELD VERIFY DIMENSIONS FOR EXISTING CONSTRUCTION.

REVISIONS

REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY

ENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

CORROSION CONTROL

OPERATIONS

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION/ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: ELECTRICAL DEMOLITION PLAN PART "B"

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

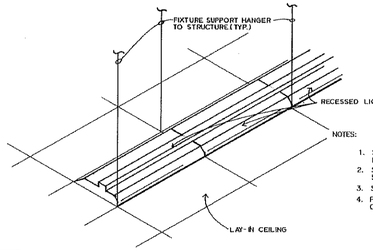
DESIGNED BY	CHECKED BY	SCALE	DATE
CM	CM	1/8 = 1'-0"	5/16/90

DRAWN BY	PROJECT NO	SHEET	DRAWING NO
GY	JUBJ860701	58 of 65	G00811-9001

E-2.2

ALABAMA REGISTERED No. 16978 PROFESSIONAL ENGINEER CHARLES CRAIG HALL

SPECTON BLUEPRINT & SUPPLY 99 34440

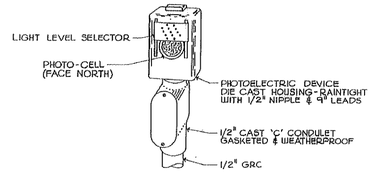


NOTES:

1. SEE WIRING SCHEMATIC FOR CONTACTOR CONTROLLED FIXTURES FOR SALES AREA 10 SHEET E-5.2.
2. SEE DETAIL- TYPICAL DOUBLE SWITCHING OF MULTILAMP FIXTURES SHEET E-5.2.
3. SEE DETAIL- TYPICAL PHOTO-CELL INSTALLATION THIS SHEET.
4. PROVIDE & SIZE ALL CIRCUIT BREAKERS AS REQUIRED FOR ALL BRANCH CIRCUITS SHOWN TO EXISTING PANELS. UNLESS OTHERWISE INDICATED.

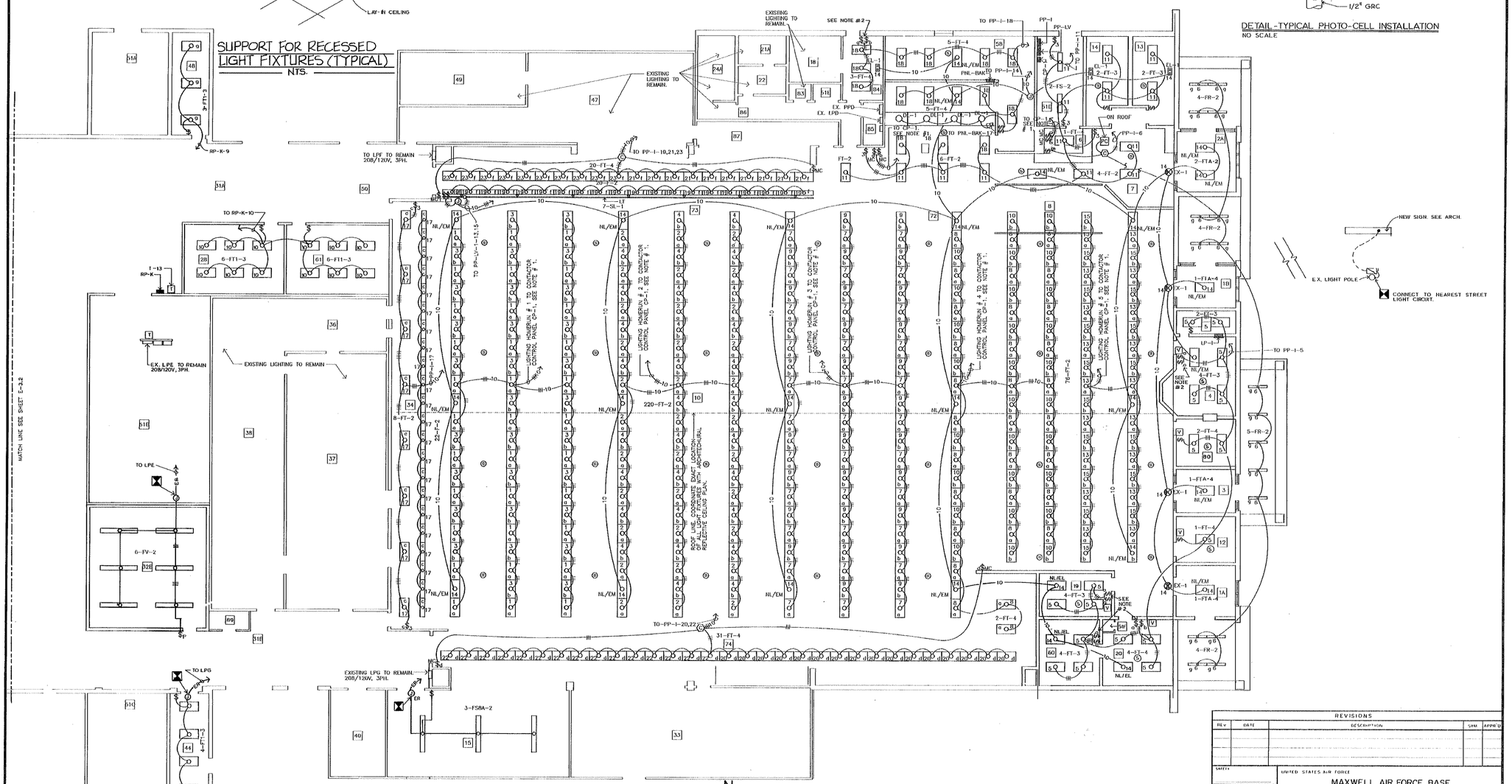
SUPPORT FOR RECESSED LIGHT FIXTURES (TYPICAL)

NTS.



DETAIL-TYPICAL PHOTO-CELL INSTALLATION

NO SCALE



LIGHTING PLAN PART 'A'

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

N

NOTE: SCALES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY AND SHOULD NOT BE SCALED BY CONTRACTOR. CONTRACTOR SHALL USE MEASUREMENT SHOWN FOR NEW CONSTRUCTION AND FIELD VERIFY DIMENSIONS FOR EXISTING CONSTRUCTION.

REVISIONS

REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

AIRE FNGT ENG

CONSTRUCTION CONTROL

APPROVALS

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE

ADDITION/ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE

LIGHTING PLAN PART "A"

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR DIV	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
CM	CM	1/8"=1'-0"	5/16/90
DRAWN BY	PROJECT NO.	SHEET	DRAWING NO.
GY	JUBJ860701	59 OF 65	G00811-9001

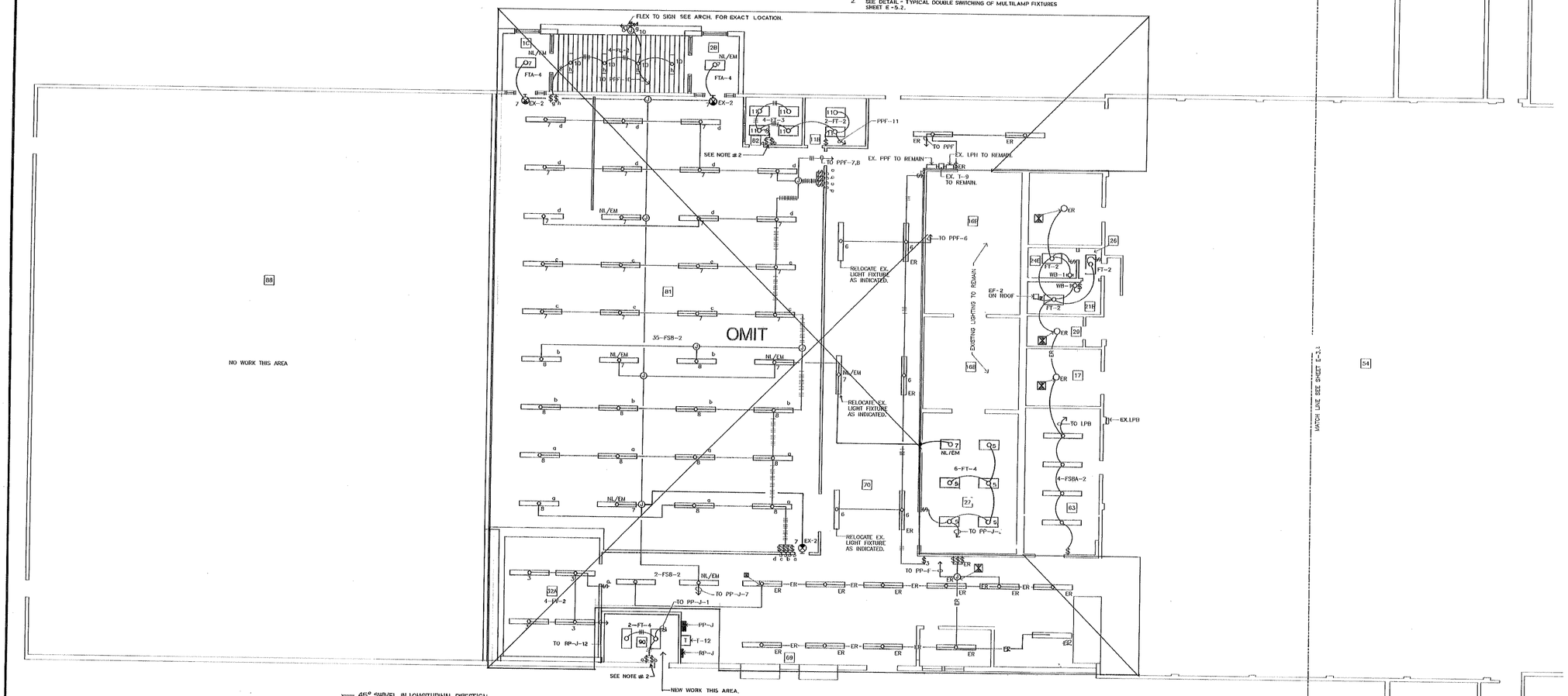
ALABAMA REGISTERED No. 15978 PROFESSIONAL ENGINEER CHARLES CRAIG HELLS

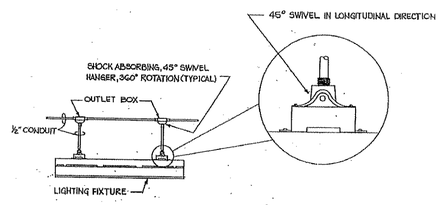
E-3.1

SHELTON BLUEPRINT & SUPPLY 39 3444

NOTES:

1. PROVIDE & SIZE ALL CIRCUIT BREAKERS AS REQUIRED FOR ALL BRANCH CIRCUITS SHOWN TO EXISTING PANELS. UNLESS OTHERWISE INDICATED.
2. SEE DETAIL - TYPICAL DOUBLE SWITCHING OF MULTILAMP FIXTURES SHEET E-5.2.





DETAIL- SEISMIC MOUNTING FOR SUSPENDED FIXTURES
NOT TO SCALE

LIGHTING PLAN – PART 'B'

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

N

NOTE: SCALES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY AND SHOULD NOT BE SCALED BY CONTRACTOR. CONTRACTOR SHALL USE MEASUREMENT SHOWN FOR NEW CONSTRUCTION AND FIELD VERIFY DIMENSIONS FOR EXISTING CONSTRUCTION.

REVISIONS

REV	DATE	DESCRIPTION	SYM	APPR'D

SHEET:
ENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG.
ELEC/SYS CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION/ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

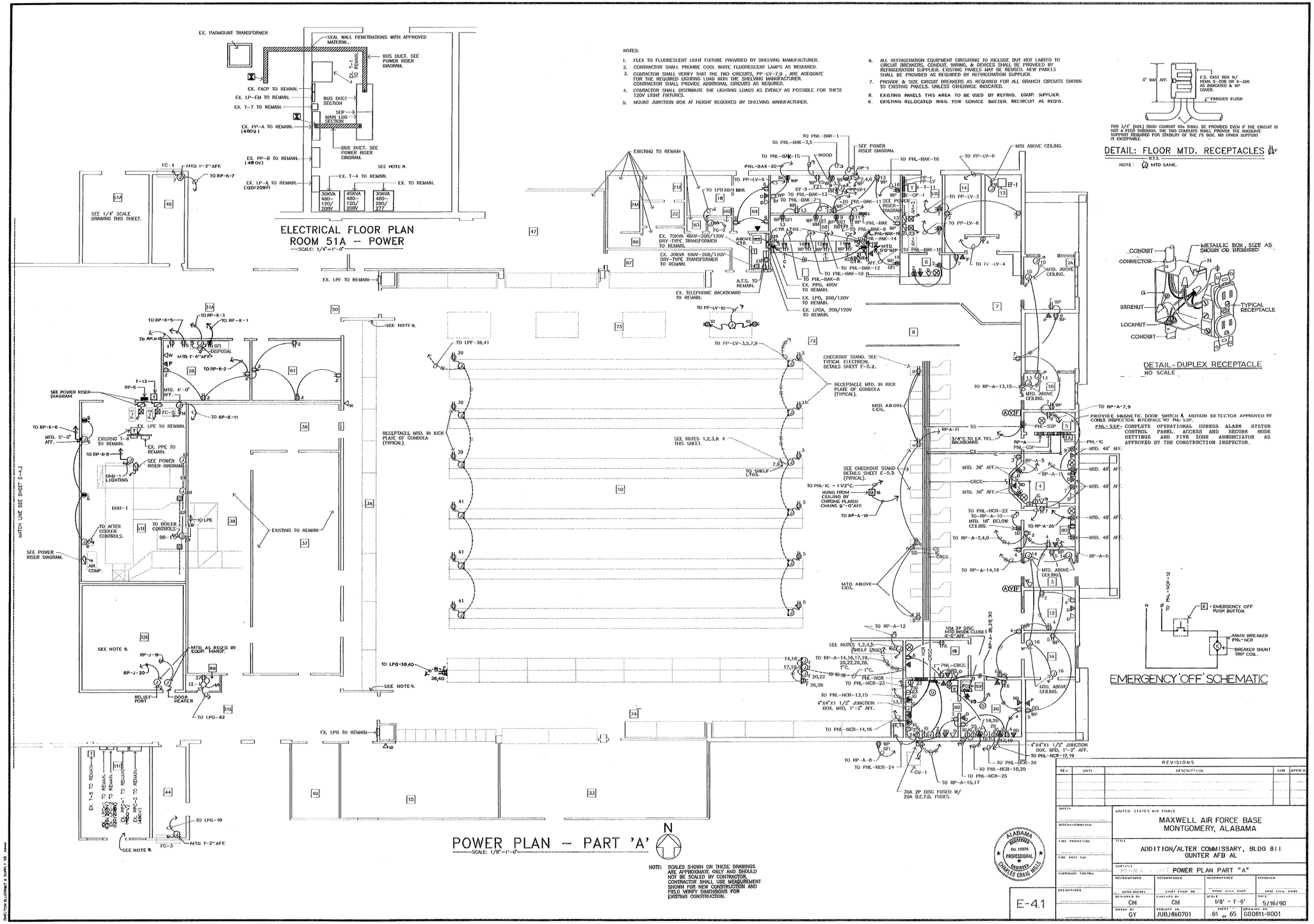
SUBTITLE: LIGHTING PLAN PART "B"

ALABAMA REGISTERED No. 15928 PROFESSIONAL ENGINEER CHARLES CRAIG HILLS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASGE CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY: CM	CHECKED BY: CM	SCALE: 1/8" = 1'-0"	DATE: 5/16/90
DRAWN BY: GY	PROJECT NO: JUBJ860701	SHEET 60 OF 95	DRAWING NO: G00811-9001

E-3.2

SHELTON BLIEFNAT & SUPPLY INC JOHNS



NOTES:

1. FLEX TO FLUORESCENT LIGHT FIXTURE PROVIDED BY SHELVING MANUFACTURER.
2. CONTRACTOR SHALL PROVIDE COOL WHITE FLUORESCENT LAMPS AS REQUIRED.
3. CONTACTOR SHALL VERIFY THAT THE TWO CIRCUITS, PP-LV-7,9 , ARE ADEQUATE FOR THE REQUIRED LIGHTING LOAD WITH THE SHELVING MANUFACTURER. CONTRACTOR SHALL PROVIDE ADDITIONAL CIRCUITS AS REQUIRED.
4. CONTACTOR SHALL DISTRIBUTE THE LIGHTING LOADS AS EVENLY AS POSSIBLE FOR THESE 120V LIGHT FIXTURES.
5. MOUNT JUNCTION BOX AT HEIGHT REQUIRED BY SHELVING MANUFACTURER.
6. ALL REFRIGERATION EQUIPMENT CIRCUITING TO INCLUDE BUT NOT LIMITED TO CIRCUIT BREAKERS, CONDUIT, WIRING, & DEVICES SHALL BE PROVIDED BY REFRIGERATION SUPPLIER. EXISTING PANELS MAY BE REUSED. NEW PANELS SHALL BE PROVIDED AS REQUIRED BY REFRIGERATION SUPPLIER.
7. PROVIDE & SIZE CIRCUIT BREAKERS AS REQUIRED FOR ALL BRANCH CIRCUITS SHOWN TO EXISTING PANELS. UNLESS OTHERWISE INDICATED.
8. EXISTING PANELS THIS AREA TO BE USED BY REFRIG. EQUIP. SUPPLIER.
9. EXISTING RELOCATED RING FOR SERVICE BUZZER. RECIRCUIT AS REQ'D.

TWO 3/4" (MIN.) RIGID CONDUIT 90s SHALL BE PROVIDED EVEN IF THE CIRCUIT IS NOT A FEED THROUGH. THE TWO CONDUITS SHALL PROVIDE THE ADEQUATE SUPPORT REQUIRED FOR STABILITY OF THE FS BOX. NO OTHER SUPPORT IS EXCEPTABLE.

DETAIL: FLOOR MTD. RECEPTACLES

N.T.S.

NOTE: MTD SAME.

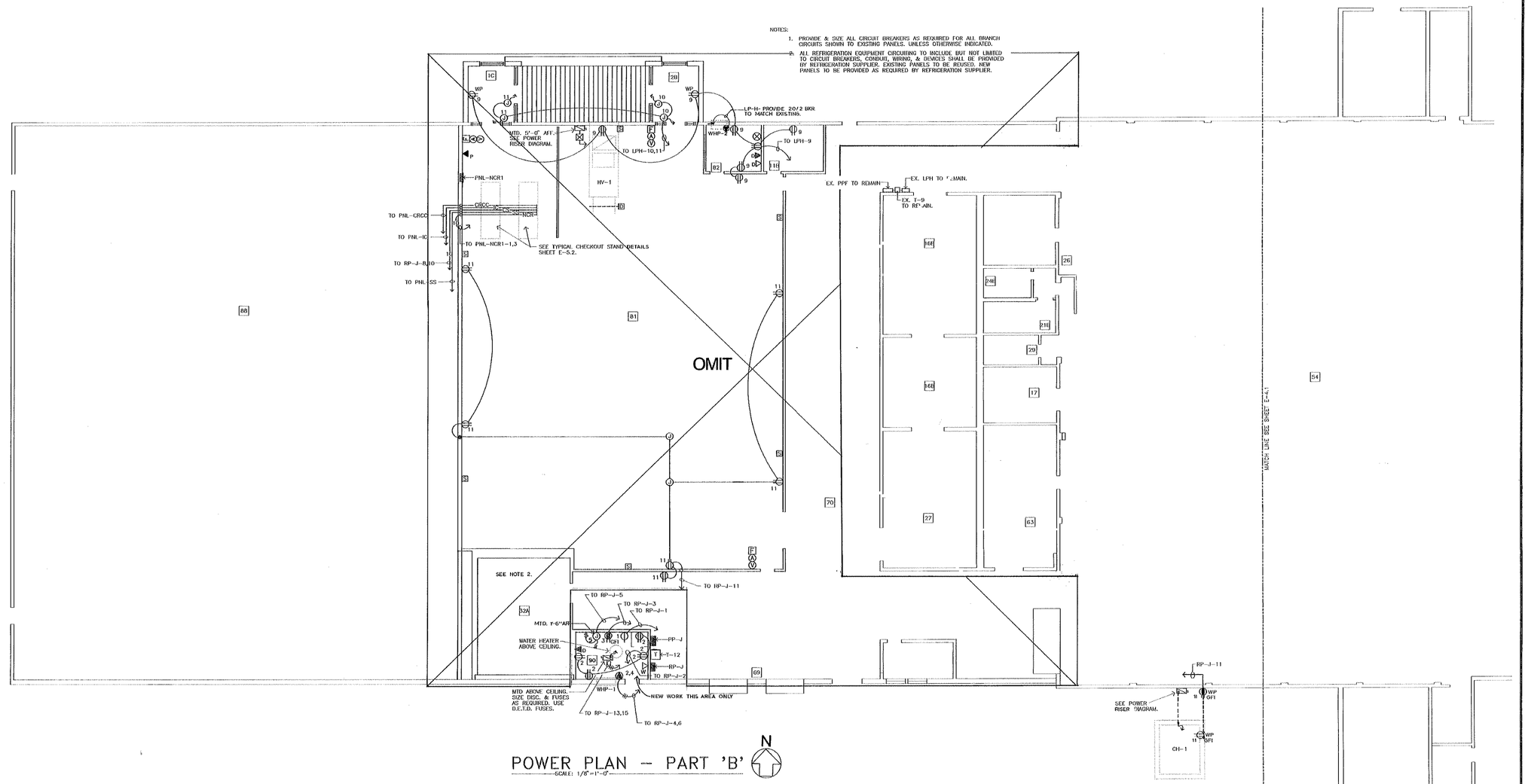
DETAIL - DUPLEX RECEPTACLE

NO SCALE

EMERGENCY 'OFF' SCHEMATIC

NOTES:

1. PROVIDE & SIZE ALL CIRCUIT BREAKERS AS REQUIRED FOR ALL BRANCH CIRCUITS SHOWN TO EXISTING PANELS. UNLESS OTHERWISE INDICATED.
2. ALL REFRIGERATION EQUIPMENT CIRCUITING TO INCLUDE BUT NOT LIMITED TO CIRCUIT BREAKERS, CONDUIT, WIRING, & DEVICES SHALL BE PROVIDED BY REFRIGERATION SUPPLIER. EXISTING PANELS TO BE REUSED. NEW PANELS TO BE PROVIDED AS REQUIRED BY REFRIGERATION SUPPLIER.



POWER PLAN – PART 'B'

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

NOTE: SCALES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY AND SHOULD NOT BE SCALED BY CONTRACTOR. CONTRACTOR SHALL USE MEASUREMENT SHOWN FOR NEW CONSTRUCTION AND FIELD VERIFY DIMENSIONS FOR EXISTING CONSTRUCTION.

MATCH LINE SEE SHEET E-4.1

REVISIONS

REV	DATE	DESCRIPTION	SYM	APPR'D

ALABAMA REGISTERED No. 15973 PROFESSIONAL ENGINEER CHARLES CRAIG MILLS

SHEETS

BIOENVIRONMENTAL

FIRE PROTECTION

ADDT

FIRE PROT ENG

HARDISON CONTROL

OPERATIONS

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION/ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: POWER PLAN PART "B"

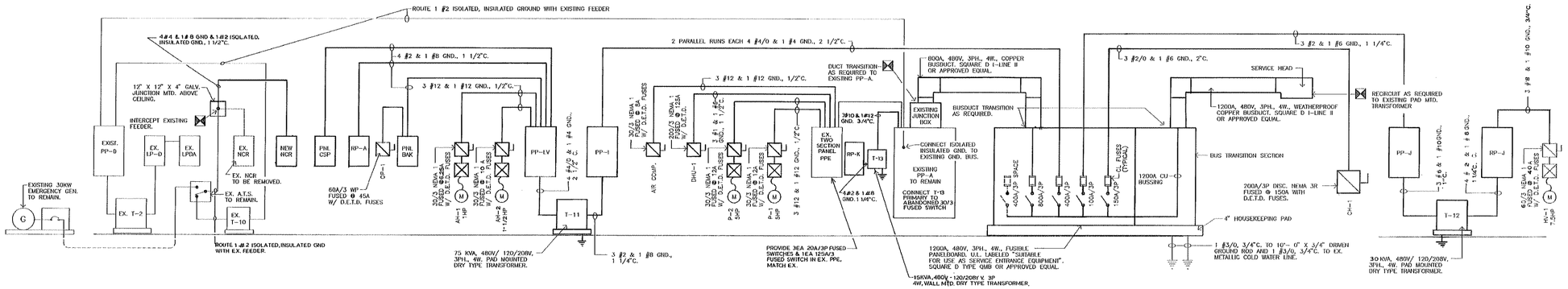
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR DB	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
CM	CM	1/8" = 1'-0"	5/16/90

DRAWN BY	PROJECT NO	SHEET	DRAWING NO
GY	JUB/860701	62 of 65	G0811-9001

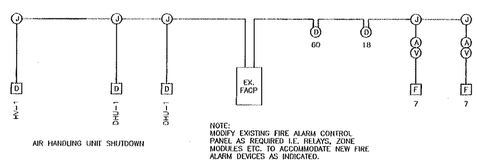
E-4.2

SHELTON BLUEPRINT & SUPPLY '89



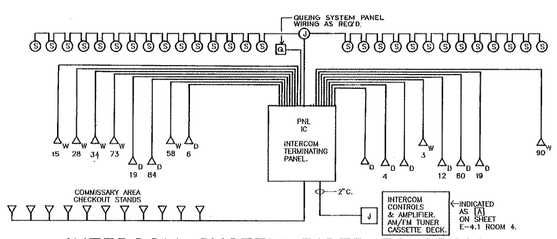
POWER RISER DIAGRAM

N.T.S.



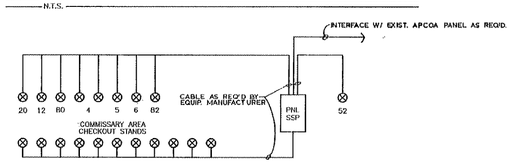
FIRE ALARM RISER DIAGRAM

N.T.S.



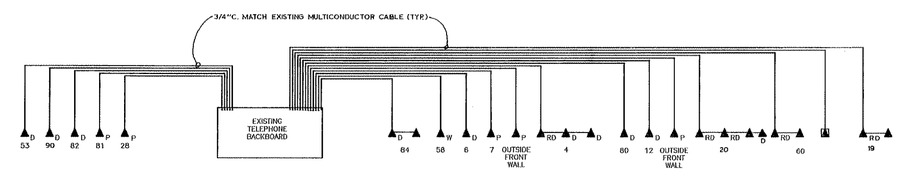
INTERCOM SYSTEM RISER DIAGRAM

N.T.S.



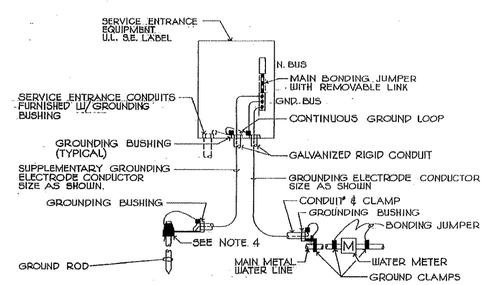
DURESS SYSTEM RISER DIAGRAM

N.T.S.



TELEPHONE SYSTEM RISER DIAGRAM

N.T.S.



TYPICAL GROUNDING ELECTRODE SYSTEM

NO SCALE

NOTES:

1. GROUNDING ELECTRODE CONDUCTORS SHALL BE ENCLOSED FULL LENGTH BY GALVANIZED RIGID CONDUIT AS INDICATED.
2. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE COPPER, SOFT-DRAWN.
3. ALL BUSHINGS, CLAMPS, JUMPERS, DEVICES, ETC., INSTALLED IN DIRECT SOIL BURIAL APPLICATIONS SHALL BE APPROVED FOR THE PURPOSE.
4. GROUND CONNECTIONS BELOW GRADE SHALL BE THE EXOTHERMICALLY WELDED TYPE.

ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 15978 CHARLES CRAIG WILLIS

E-4.3

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SHEETS

ENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

CORROSION CONTROL

OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION/ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: RISER DIAGRAMS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
CIVIL AGENCY	CHIEF ENGR - MS	ASSOC CIVIL ENGR	DPW CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
CM	CM	NTS	5/16/90

DRAWN BY	PROJECT NO	SHEET	DRAWING NO
GY	JUBJ860701	63 of 65	G00811-9001

DIRECTION BLUEPRINT & SUPPLY 90 - 10444

PANEL SCHEDULE: PP-I

DATE: | PANEL SCHEDULE: PP-I | PANEL ID: PP-I

LOCATION: | NODE/BUS #:
PROJECT NAME: | PROJECT NUMBER: 890615
VOLTAGE L-L: 480 L-G: 277 3 PHASE 4 WIRE GROUND BUS: Y FROM:
COMMENTS: | FEEDER NUMBER:

M.L.O. RATING: 400 | S.C. RMS RATING: 22000 C:
MAIN O.C. DEVICE: | S.C. ASYM: C:
MOUNTING: SURFACE | AVAILABLE FAULT: C:

CIR NO.	DEVICE AMP	POLE	LOAD SERVED	# UNITS CONNCTD	UNIT LOAD	VA	DF	NOTES	CIR NO.
1	20	1	SALES AREA LTG	1	3300	3300	100		
	20	1	SALES AREA LTG	1	3300	3300	100		2
3	20	1	SALES AREA LTG	1	3000	3000	100		
	20	1	SALES AREA LTG	1	3000	3000	100		4
5	20	1	FRONT OFF. LTG	1	3500	3500	100		
	20	1	OUTSIDE LTG & SIGN	1	3200	3200	100		6
7	20	1	SALES AREA LTG	1	3300	3300	100		
	20	1	SALES AREA LTG	1	3100	3100	100		8
9	20	1	SALES AREA LTG	1	3000	3000	100		
	20	1	SALES AREA LTG	1	2400	2400	100		10
11	20	1	BATHR. & ENTR. LTG	1	1900	1900	100		
	20	1	SPARE						12
13	20	1	SALES AREA LTG	1	1800	1800	100		
	20	1	NL/EM & EXIT LTG	1	3200	3200	100		14
15	20	1	SALES AREA LTG	1	1800	1800	100		
	20	1	SPARE						16
17	20	1	MEAT AREA LTG	1	3000	3000	100		
	20	1	BAKERY & RECEPNT LTG	1	3400	3400	100		18
19	20	1	PRODUCE LTG	1	2000	2000	100		
	20	1	DAIRY LTG	1	3100	3100	100		20
21	20	1	PRODUCE LTG	1	2000	2000	100		
	20	1	DAIRY LTG	1	3100	3100	100		22
23	20	1	PRODUCE LTG	1	2000	2000	100		
	20	3	T-11	1	25000	25000	100		24
25	20	3	AH-1	1	390	390	100		
	20	3	T-11	1	25000	25000	100		26
27	20	3	AH-1	1	390	390	100		
	20	3	T-11	1	25000	25000	100		28
29	20	3	AH-1	1	390	390	100		
	20	1	SPARE						30
31	20	3	AH-2	1	280	280	100		
	20	1	SPARE						32
33	20	3	AH-2	1	280	280	100		
	20	1	SPARE						34
35	20	3	AH-2	1	280	280	100		
	20	1	SPARE						36
37	20	1	SPARE						
		0	SPACE						38
39		0	SPACE						
		0	SPACE						40
41		0	SPACE						
		0							42

CONNECTED LOAD PH A VA = 48770 PH B VA = 43970 PH C VA = 42670
DEMAND LOAD PH A VA = 48770 PH B VA = 43970 PH C VA = 42670
CONNECTED KVA/AMP 135.410 / 163 DEMAND KVA/AMP 135.410 / 163

PANEL SCHEDULE: PP-LV

DATE: | PANEL SCHEDULE: PP-LV | PANEL ID: PP-LV

LOCATION: | NODE/BUS #:
PROJECT NAME: | PROJECT NUMBER: 880615
VOLTAGE L-L: 208 L-G: 120 3 PHASE 4 WIRE GROUND BUS: Y FROM:
COMMENTS: | FEEDER NUMBER:

M.L.O. RATING: | S.C. RMS RATING: 22000 C:
MAIN O.C. DEVICE: 100 | S.C. ASYM: C:
MOUNTING: SURFACE | AVAILABLE FAULT: C:

CIR NO.	DEVICE AMP	POLE	LOAD SERVED	# UNITS CONNCTD	UNIT LOAD	VA	DF	NOTES	CIR NO.
1	20	1	EF-3	1	700	700	100		
	20	1	FRONT COUNTER REC.	1	1500	1500	50		2
3	20	1	SHELVING RECEPTACLES	1	1500	1500	50		
	20	1	E.W.C.	1	1200	1200	100		4
5	20	1	SHELVING RECEPTACLES	1	1500	1500	50		
	20	1	EF-1	1	580	580	100		6
7	20	1	DISPLAY LIGHTING	1	500	500	100		
	20	1	CONTROL PANEL	1	500	500	100		8
9	20	1	DISPLAY LIGHTING	1	500	500	100		
	20	1	SPARE						10
11	20	1	SPARE						
	20	1	TRACK LIGHTING	1	1500	1500	100		12
13	20	1	SPARE						
	20	1	TRACK LIGHTING	1	1500	1500	100		14
15		0	SPACE						
		0	SPACE						16
17		0	SPACE						
		0	SPACE						18
19		0	SPACE						
		0	SPACE						20

CONNECTED LOAD PH A VA = 4000 PH B VA = 3200 PH C VA = 3580
DEMAND LOAD PH A VA = 3250 PH B VA = 2450 PH C VA = 2830
CONNECTED KVA/AMP 10.780 / 30 DEMAND KVA/AMP 8.530 / 24

PANEL SCHEDULE: PP-J

DATE: | PANEL SCHEDULE: PP-J | PANEL ID: PP-J

LOCATION: | NODE/BUS #:
PROJECT NAME: | PROJECT NUMBER: 890615
VOLTAGE L-L: 480 L-G: 277 3 PHASE 4 WIRE GROUND BUS: Y FROM:
COMMENTS: | FEEDER NUMBER:

M.L.O. RATING: 125 | S.C. RMS RATING: 22000 C:
MAIN O.C. DEVICE: | S.C. ASYM: C:
MOUNTING: SURFACE | AVAILABLE FAULT: C:

CIR NO.	DEVICE AMP	POLE	LOAD SERVED	# UNITS CONNCTD	UNIT LOAD	VA	DF	NOTES	CIR NO.
1	20	1	LIGHTING 52	1	600	600	100		
		3	T-12	1	10000	10000	100		2
3	20	1	LIGHTS 32A	1	800	800	100		
		3	T-12	1	10000	10000	100		4
5	20	1	LIGHTS 27	1	1200	1200	100		
		3	T-12	1	10000	10000	100		6
7	20	1	EXIT LIGHTS	1	500	500	100		
	20	1	SPARE						8
9	20	1	SPARE						
		0	SPACE						10
11		0	SPACE						
		0	SPACE						12

CONNECTED LOAD PH A VA = 11100 PH B VA = 10800 PH C VA = 11200
DEMAND LOAD PH A VA = 11100 PH B VA = 10800 PH C VA = 11200
CONNECTED KVA/AMP 33.1 / 39 DEMAND KVA/AMP 33.1 / 39

PANEL SCHEDULE: RP-J

DATE: | PANEL SCHEDULE: RP-J | PANEL ID: RP-J

LOCATION: | NODE/BUS #:
PROJECT NAME: | PROJECT NUMBER: 890615
VOLTAGE L-L: 208 L-G: 120 3 PHASE 4 WIRE GROUND BUS: Y FROM:
COMMENTS: | FEEDER NUMBER:

M.L.O. RATING: | S.C. RMS RATING: 10000 C:
MAIN O.C. DEVICE: 100 | S.C. ASYM: C:
MOUNTING: SURFACE | AVAILABLE FAULT: C:

CIR NO.	DEVICE AMP	POLE	LOAD SERVED	# UNITS CONNCTD	UNIT LOAD	VA	DF	NOTES	CIR NO.
1	20	1	REFRIG. 52	1	1500	1500	100		
	20	1	GEN. REC.	7	180	1260	50		2
3	20	1	COUNTER REC.	1	1200	1200	50		
	20	2	T.W.U.	1	1200	1200	100		4
5	20	1	GARBAGE DISPOSAL	1	1500	1500	100		
	20	2	T.W.U.	1	1200	1200	100		6
7	20	1	REC. 53	3	180	540	50		
	20	1	CHECKOUT STANDS	1	1400	1400	50		8
9	20	1	GEN. REC. 69	5	180	900	50		
	20	1	CHECKOUT STANDS	1	1400	1400	50		10
11	20	1	EXTERIOR REC.	2	180	360	50		
	20	1	FREEZER LTS	1	800	800	100		12
13	30	2	HOT WATER HTR.	1	2000	2000	100		
	50	3	HV-1	1	3100	3100	100		14
15	30	2	HOT WATER HTR.	1	2000	2000	100		
	50	3	HV-1	1	3100	3100	100		16
17		0	SPACE						
	50	3	HV-1	1	3100	3100	100		18
19	20	1	DOOR HTR.						
	20	1	RELIEF PORT						20

CONNECTED LOAD PH A VA = 9800 PH B VA = 9800 PH C VA = 6160
DEMAND LOAD PH A VA = 8200 PH B VA = 8050 PH C VA = 5980
CONNECTED KVA/AMP 25.76 / 71.5 DEMAND KVA/AMP 22.23 / 61.7

PANEL SCHEDULE: PN-NCR

DATE: | PANEL SCHEDULE: PN-NCR | PANEL ID: PNL-NCR

LOCATION: | NODE/BUS #:
PROJECT NAME: | PROJECT NUMBER: 890615
VOLTAGE L-L: 208 L-G: 120 3 PHASE 5 WIRE GROUND BUS: Y FROM:
COMMENTS: SHUNT TRIP MAIN BREAKER | FEEDER NUMBER:

M.L.O. RATING: | S.C. RMS RATING: 10000 C:
MAIN O.C. DEVICE: 100 | S.C. ASYM: C:
MOUNTING: FLUSH | AVAILABLE FAULT: C:

CIR NO.	DEVICE AMP	POLE	LOAD SERVED	# UNITS CONNCTD	UNIT LOAD	VA	DF	NOTES	CIR NO.
1	20	1	CHECKOUT STAND #1	1	1500	1500	50		
	20	1	CHECKOUT STAND #7	1	1500	1500	50		2
3	20	1	CHECKOUT STAND #2	1	1500	1500	50		
	20	1	CHECKOUT STAND #8	1	1500	1500	50		4
5	20	1	CHECKOUT STAND #3	1	1500	1500	50		
	20	1	CHECKOUT STAND #9	1	1500	1500	50		6
7	20	1	CHECKOUT STAND #4	1	1500	1500	50		
	20	1	CHECKOUT STAND #10	1	1500	1500	50		8
9	20	1	CHECKOUT STAND #5	1	1500	1500	50		
	20	1	CHECKOUT STAND #11	1	1500	1500	50		10
11	20	1	CHECKOUT STAND #6	1	1500	1500	50		
	20	1	SPARE						12
13	20	2	I.G. REC.	1	1100	1100	100		
	20	2	I.G. REC.	1	1100	1100	100		14
15	20	2	I.G. REC.	1	1100	1100	100		
	20	2	I.G. REC.	1	1100	1100	100		16
17	20	2	I.G. REC.	1	1100	1100	100		
	20	2	I.G. REC.	1	1100	1100	100		18
19	20	2	I.G. REC.	1	1100	1100	100		
	20	2	I.G. REC.	1	1100	1100	100		20
21	20	1	SPARE						
	20	1	CASHER'S OFFICE REC.	1	1000	1000	50		22
23	20	1	I.G. REC.	1	1100	1100	100		
	20	1	I.G. REC.	1	1200	1200	100		24
25	20	1	I.G. REC.	1	1100	1100	100		
	20	1	I.G. REC.	1	1200	1200	100		26
27	20	1	I.G. REC.	1	1200	1200	100		
	20	2	~~PNL-NCR1~~	~~1~~	~~1500~~	~~1500~~	~~50~~		28
29	20	1	SPARE						
	20	2	~~PNL-NCR1~~	~~1~~	~~1500~~	~~1500~~	~~50~~		30

CONNECTED LOAD PH A VA = 12700 PH B VA = 11900 PH C VA = 10500
DEMAND LOAD PH A VA = 9700 PH B. VA = 7650 PH C VA = 7500
CONNECTED KVA/AMP 35.10 / 97 DEMAND KVA/AMP 24.850 / 69

NOTE: PROVIDE INSULATED ISOLATED GND BUS

PANEL SCHEDULE: PN-CSP

DATE: | PANEL SCHEDULE: PN-CSP | PANEL ID: PNL-CSP

LOCATION: | NODE/BUS #:
PROJECT NAME: | PROJECT NUMBER: 890615
VOLTAGE L-L: 208 L-G: 120 3 PHASE 4 WIRE GROUND BUS: Y FROM:
COMMENTS: | FEEDER NUMBER:

M.L.O. RATING: 225 | S.C. RMS RATING: 10000 C:
MAIN O.C. DEVICE: | S.C. ASYM: C:
MOUNTING: FLUSH | AVAILABLE FAULT: C:

CIR NO.	DEVICE AMP	POLE	LOAD SERVED	# UNITS CONNCTD	UNIT LOAD	VA	DF	NOTES	CIR NO.
1	20	1	CHECKOUT STAND #1	1	1400	1400	100		
	20	1	CHECKOUT STAND #7	1	1400	1400	100		2
3	20	1	CHECKOUT STAND #1	1	1400	1400	100		
	20	1	CHECKOUT STAND #7	1	1400	1400	100		4
5	20	1	CHECKOUT STAND #2	1	1400	1400	100		
	20	1	CHECKOUT STAND #8	1	1400	1400	100		6
7	20	1	CHECKOUT STAND #2	1	1400	1400	100		
	20	1	CHECKOUT STAND #8	1	1400	1400	100		8
9	20	1	CHECKOUT STAND #3	1	1400	1400	100		
	20	1	CHECKOUT STAND #9	1	1400	1400	100		10
11	20	1	CHECKOUT STAND #3	1	1400	1400	100		
	20	1	CHECKOUT STAND #9	1	1400	1400	100		12
13	20	1	CHECKOUT STAND #4	1	1400	1400	100		
	20	1	CHECKOUT STAND #10	1	1400	1400	100		14
15	20	1	CHECKOUT STAND #4	1	1400	1400	100		
	20	1	CHECKOUT STAND #10	1	1400	1400	100		16
17	20	1	CHECKOUT STAND #5	1	1400	1400	100		
	20	1	CHECKOUT STAND #11	1	1400	1400	100		18
19	20	1	CHECKOUT STAND #5	1	1400	1400	100		
	20	1	CHECKOUT STAND #11	1	1400	1400	100		20
21	20	1	CHECKOUT STAND #6	1	1400	1400	100		
	20	1	SPARE						22
23	20	1	CHECKOUT STAND #6	1	1400	1400	100		
	20	1	SPARE						24
25	20	1	SPARE						
	20	1	SPARE						26
27		0	SPACE						
		0	SPACE						28
29		0	SPACE						
		0	SPACE						30

CONNECTED LOAD PH A VA = 11200 PH B VA = 9800 PH C VA = 9800
DEMAND LOAD PH A VA = 11200 PH B VA = 9800 PH C VA = 9800
CONNECTED KVA/AMP 30.80 / 85 DEMAND KVA/AMP 30.80 / 85

PANEL SCHEDULE: PN-BAK

DATE: | PANEL SCHEDULE: PN-BAK | PANEL ID: PNL-BAK

LOCATION: | NODE/BUS #:
PROJECT NAME: | PROJECT NUMBER: 890615
VOLTAGE L-L: 208 L-G: 120 3 PHASE 4 WIRE GROUND BUS: Y FROM:
COMMENTS: | FEEDER NUMBER:

M.L.O. RATING: | S.C. RMS RATING: 10000 C:
MAIN O.C. DEVICE: 225 | S.C. ASYM: C:
MOUNTING: FLUSH | AVAILABLE FAULT: C:

CIR NO.	DEVICE AMP	POLE	LOAD SERVED	# UNITS CONNCTD	UNIT LOAD	VA	DF	NOTES	CIR NO.
1	35	1	PROOFER	1	2960	2960	100		
	50	3	OVEN	1	4083	4083	100		2
3	20	2	RR	1	750	750	100		
	50	3	OVEN	1	4083	4083	100		4
5	20	2	RR	1	750	750	100		
	50	3	OVEN	1	4083	4083	100		6
7	20	1	MIXER	1	1500	1500	100		
	20	1	DELI DISPLAY CASE	1	1500	1500	100		8
9	20	1	BREAD SLICER	1	1500	1500	100		
	20	1	DELI DISPLAY CASE	1	1500	1500	100		10
11	20	1	BAKERY DISPLAY	1	1500	1500	100		
	20	1	NON-REF. DELI CASE	1	500	500	100		12
13	20	1	GEN. RECEPTACLES	1	1500	1500	50		
	20	1	DELI DISPLAY CASE	1	1500	1500	100		14
15	20	1	FREEZER	1	1200	1200	100		
	20	1	HAND WRAP	1	1500	1500	100		16
17	20	1	DOWN LIGHTS	1	400	400	100		
	20	1	GEN. RECEPTACLES	1	1500	1500	50		18
19	20	1	DISPLAY LTGS.						
	20	1	GEN. REC.						20
21	20	1	SCALES						
	30	2	SPARE						22
23	20	1	DISPLAY LTGS.						
	30	2	SPARE						24
25	30	2	SPARE						
		0	SPACE						26
27	30	2	SPARE						
		0	SPACE						28
29		0	SPACE						
		0	SPACE						30

CONNECTED LOAD PH A VA = 13043 PH B VA = 10533 PH C VA = 8733
DEMAND LOAD PH A VA = 12293 PH B VA = 10533 PH C VA = 7983
CONNECTED KVA/AMP 32.3090 / 90 DEMAND KVA/AMP 30.8090 / 86

PANEL SCHEDULE: RP-A

DATE: | PANEL SCHEDULE: RP-A | PANEL ID: RP-A

LOCATION: | NODE/BUS #:
PROJECT NAME: | PROJECT NUMBER: 890615
VOLTAGE L-L: 208 L-G: 120 3 PHASE 4 WIRE GROUND BUS: Y FROM:
COMMENTS: | FEEDER NUMBER:

M.L.O. RATING: 225 | S.C. RMS RATING: 10000 C:
MAIN O.C. DEVICE: | S.C. ASYM: C:
MOUNTING: FLUSH | AVAILABLE FAULT: C:

CIR NO.	DEVICE AMP	POLE	LOAD SERVED	# UNITS CONNCTD	UNIT LOAD	VA	DF	NOTES	CIR NO.
1	20	1	RECEPTACLE 4	1	1500	1500	50		
	20	1	REC. 80,3,12,18,60	7	180	1260	50		2
3	20	1	RECEPTACLE 4	1	1500	1500	50		
	20	1	REC. 1A,12,18,20	7	180	1260	50		4
5	20	1	REC. 3,1A,EXT.	1	1500	1500	50		
	20	1	REC. 18,20,60	7	180	1260	50		6
7	20	1	REC. 4,2A,18,80	5	180	900	50		
	20	1	EXTERIOR REC.	1	1500	1500	50		8
9	20	1	REC. 4,5,13,14,51B	4	180	720	50		
	20	1	ELECTRONIC SIGN	1	500	500	100		10
11	20	1	CAMERA	1	500	500	100		
	20	1	DAIRY SHELF LIGHT	1	1000	1000	100		12
13	25	2	CU-1	1	1260	1260	100		
	30	2	YOGART MACHINE	1	2500	2500	100		14
15	25	2	CU-1	1	1260	1260	100		
	30	2	YOGART MACHINE	1	2500	2500	100		16
17	20	1	YOGART MACHINE	1	1500	1500	100		
	20	1	QUEUING SYS.	1	500	500	100		18
19	20	1	YOGART MACHINE	1	1500	1500	100		
	30	2	YOGART MACHINE	1	2500	2500	100		20
21	20	1	INTERCOM CONTROL	1	500	500	100		
	30	2	YOGART MACHINE	1	2500	2500	100		22
23	20	1	SECURITY SYSTEM CONT	1	500	500	100		
	20	1	SPARE						24
25	30	2	YOGART MACHINE	1	2500	2500	100		
	30	3	FC-1	1	2300	2300	100		26
27	30	2	YOGART MACHINE	1	2500	2500	100		
	30	3	FC-1	1	2300	2300	100		28
29		0	SPACE						
	30	3	FC-1	1	2300	2300	100		30

CONNECTED LOAD PH A VA = 15420 PH B VA = 13240 PH C VA = 6260
DEMAND LOAD PH A VA = 12840 PH B VA = 11600 PH C VA = 4880
CONNECTED KVA/AMP 34.920 / 97 DEMAND KVA/AMP 29.220 / 81

PANEL SCHEDULE: NCR1

DATE: | PANEL SCHEDULE: NCR1 | PANEL ID: PNL-NCR1

LOCATION: | NODE/BUS #:
PROJECT NAME: | PROJECT NUMBER:
VOLTAGE L-L: 208 L-G: 120 1 PHASE 4 WIRE GROUND BUS: Y FROM:
COMMENTS: | FEEDER NUMBER:

M.L.O. RATING: 70 | S.C. RMS RATING: 10000 C:
MAIN O.C. DEVICE: | S.C. ASYM: C:
MOUNTING: FLUSH | AVAILABLE FAULT: C:

CIR NO.	DEVICE AMP	POLE	LOAD SERVED	# UNITS CONNCTD	UNIT LOAD	VA	DF	NOTES	CIR NO.
1	20	1	CHECKOUT STAND	1	1500	1500	50		
	20	1	CHECKOUT STAND	1	1500	1500	50		2
3	20	1	SPARE						
	20	1	SPARE						4

CONNECTED LOAD PH A VA = 3000 PH B VA =
DEMAND LOAD PH A VA = 1500 PH B VA =
CONNECTED KVA/AMP 3 / 14 DEMAND KVA/AMP 1.50 / 7

NOTE: PROVIDE INSULATED ISOLATED GND BUS

PANEL SCHEDULE: RP-K

DATE: | PANEL SCHEDULE: RP-K | PANEL ID: RP-K

LOCATION: | NODE/BUS #:
PROJECT NAME: | PROJECT NUMBER: 890615
VOLTAGE L-L: 208 L-G: 120 3 PHASE 4 WIRE GROUND BUS: Y FROM:
COMMENTS: | FEEDER NUMBER:

M.L.O. RATING: | S.C. RMS RATING: 10000 C:
MAIN O.C. DEVICE: 50 | S.C. ASYM: C:
MOUNTING: SURFACE | AVAILABLE FAULT: C:

CIR NO.	DEVICE AMP	POLE	LOAD SERVED	# UNITS CONNCTD	UNIT LOAD	VA	DF	NOTES	CIR NO.
1	20	1	BREAK ROOM COUNTER	1	1000	1000	100		
	20	1	28 & 61 RECEPTACLES	1	1440	1440	50		2
3	20	1	BREAK ROOM DISPOSAL	1	1500	1500	100		
	20	1	SPARE						4
5	20	1	BREAK RM. DRINK MACH	1	1500	1500	100		
	20	1	CONTROL & 51B RECEPT	1	1000	1000	100		6
7	20	1	FC-4	1	190	190	100		
	20	1	DHU-1 LIGHTING	1	1000	1000	100		8
9	20	1	48 LTG.	1	600	600	100		
	20	1	28 & 61 LIGHTING	1	1800	1800	100		10
11	20	1	FC-5	1	1500	1500	100		
	20	1	SPARE						12
13		0	SPACE						
		0	SPACE						14
15		0	SPACE						
		0	SPACE						16
17		0	SPACE						
		0	SPACE						18
19		0	SPACE						
		0	SPACE						20

CONNECTED LOAD PH A VA = 3440 PH B VA = 3300 PH C VA = 4000
DEMAND LOAD PH A VA = 2720 PH B VA = 3300 PH C VA = 4000
CONNECTED KVA/AMP 10.740 / 30 DEMAND KVA/AMP 10.020 / 28

REVISIONS

REV	DATE	DESCRIPTION	SYM	APPR'D

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION/ALTER. COMMISSARY, BLDG 811 GUNTER AFB AL

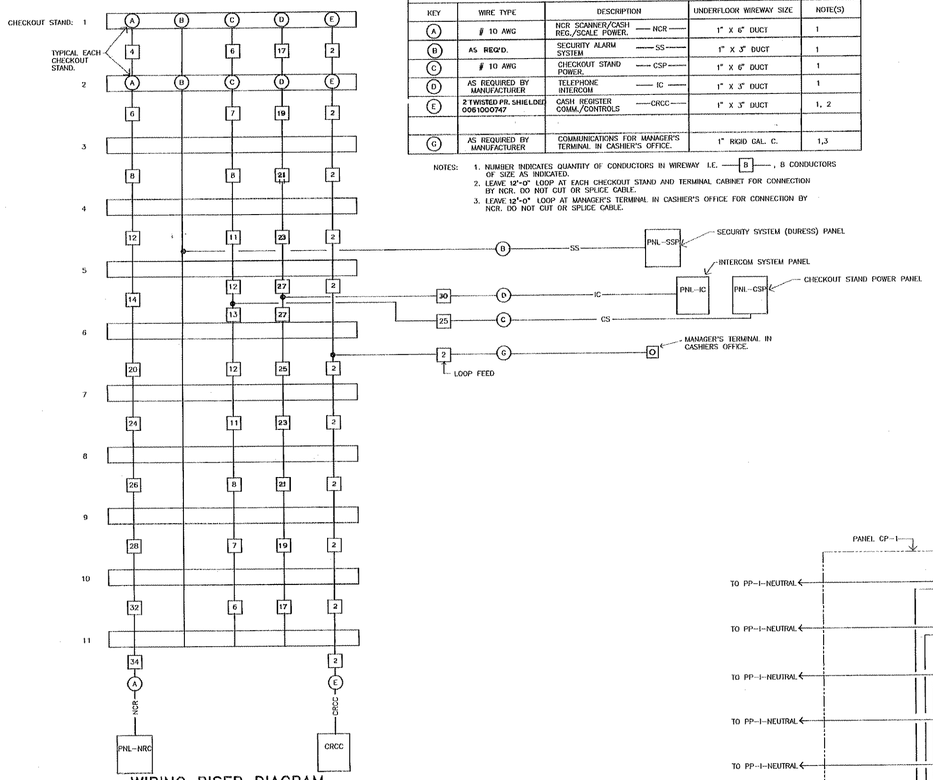
SUBTITLE: ELECTRICAL PANEL SCHEDULES

DESIGNED BY: CM | CHECKED BY: CM | DATE: 5/16/90
DRAWN BY: GY | PROJECT NO.: JUBJ860701 | SHEET 64 of 65 | DRAWING NO.: G00811-9001

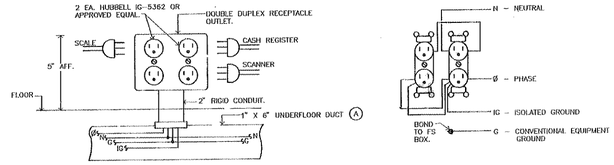
E-5.1

WIRING SCHEDULE				
CHECKOUT STAND ELECTRICAL				
KEY	WIRE TYPE	DESCRIPTION	UNDERFLOOR WIREWAY SIZE	NOTE(S)
A	# 10 AWG	NCR SCANNER/CASH REG./SCALE POWER. —NCR—	1" X 6" DUCT	1
B	AS REQ'D.	SECURITY ALARM SYSTEM —SS—	1" X 3" DUCT	1
C	# 10 AWG	CHECKOUT STAND POWER. —CSP—	1" X 6" DUCT	1
D	AS REQUIRED BY MANUFACTURER	TELEPHONE INTERCOM —IC—	1" X 3" DUCT	1
E	2 TWISTED PR. SHIELDED 0061000747	CASH REGISTER COMM./CONTROLS —CRCC—	1" X 3" DUCT	1, 2
G	AS REQUIRED BY MANUFACTURER	COMMUNICATIONS FOR MANAGER'S TERMINAL IN CASHIER'S OFFICE.	1" RIGID GAL. C.	1,3

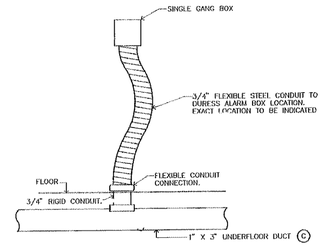
NOTES:
1. NUMBER INDICATES QUANTITY OF CONDUCTORS IN WIREWAY I.E. —B—, 8 CONDUCTORS OF SIZE AS INDICATED.
2. LEAVE 12'-0" LOOP AT EACH CHECKOUT STAND AND TERMINAL CABINET FOR CONNECTION BY NCR. DO NOT CUT OR SPLICE CABLE.
3. LEAVE 12'-0" LOOP AT MANAGER'S TERMINAL IN CASHIER'S OFFICE FOR CONNECTION BY NCR. DO NOT CUT OR SPLICE CABLE.



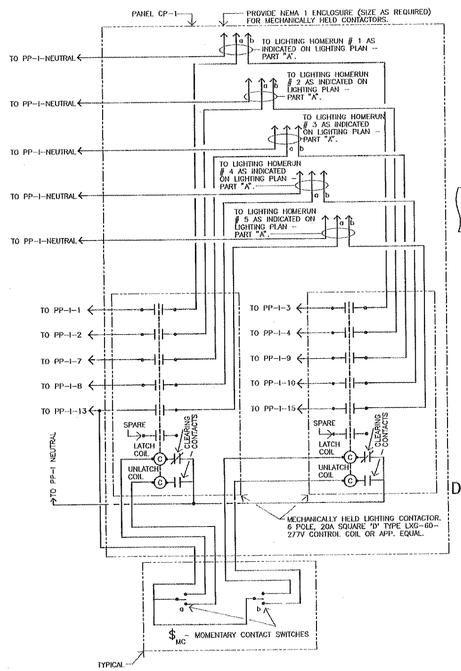
WIRING RISER DIAGRAM FOR CHECKOUT STANDS
N.T.S.



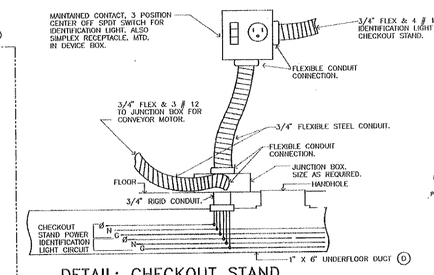
DETAIL: CHECKOUT STAND CASH REGISTER/ SCANNER/SCALE POWER RECEPTACLE (TYPICAL)
N.T.S.



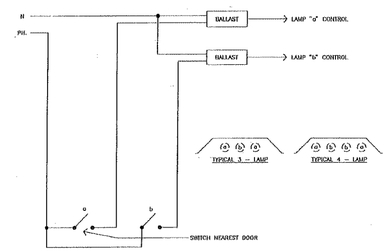
DETAIL: CHECKOUT STAND SECURITY ALARM (DURESS) CONNECTIONS (TYPICAL)
N.T.S.



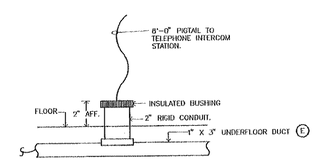
WIRING SCHEMATIC FOR CONTACTOR CONTROLLED FIXTURES FOR SALES AREA 10
N.T.S.



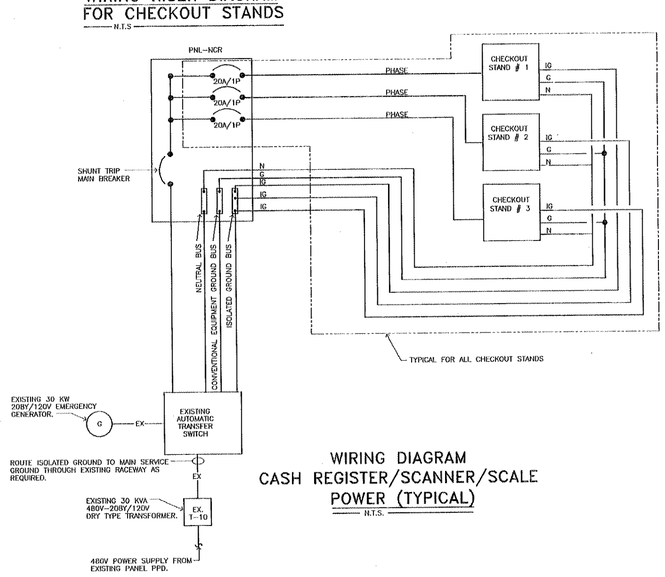
DETAIL: CHECKOUT STAND POWER CONNECTIONS (TYPICAL)
N.T.S.



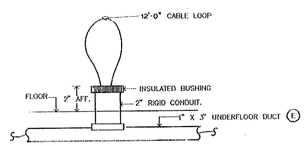
DETAIL - TYPICAL DOUBLE SWITCHING OF MULTILAMP FIXTURES
N.T.S.



DETAIL: CHECKOUT STAND TELEPHONE/ INTERCOM TERMINATION (TYPICAL)
N.T.S.



WIRING DIAGRAM CASH REGISTER/SCANNER/SCALE POWER (TYPICAL)
N.T.S.



DETAIL: CHECKOUT STAND CASH REGISTER COMMUNICATION CABLE (TYPICAL)
N.T.S.

ALABAMA REGISTERED No. 16978 PROFESSIONAL ENGINEER CHARLES CRAIG WILLS

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT ENG
CORROSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION/ALTER COMMISSARY, BLDG 811 GUNTER AFB AL

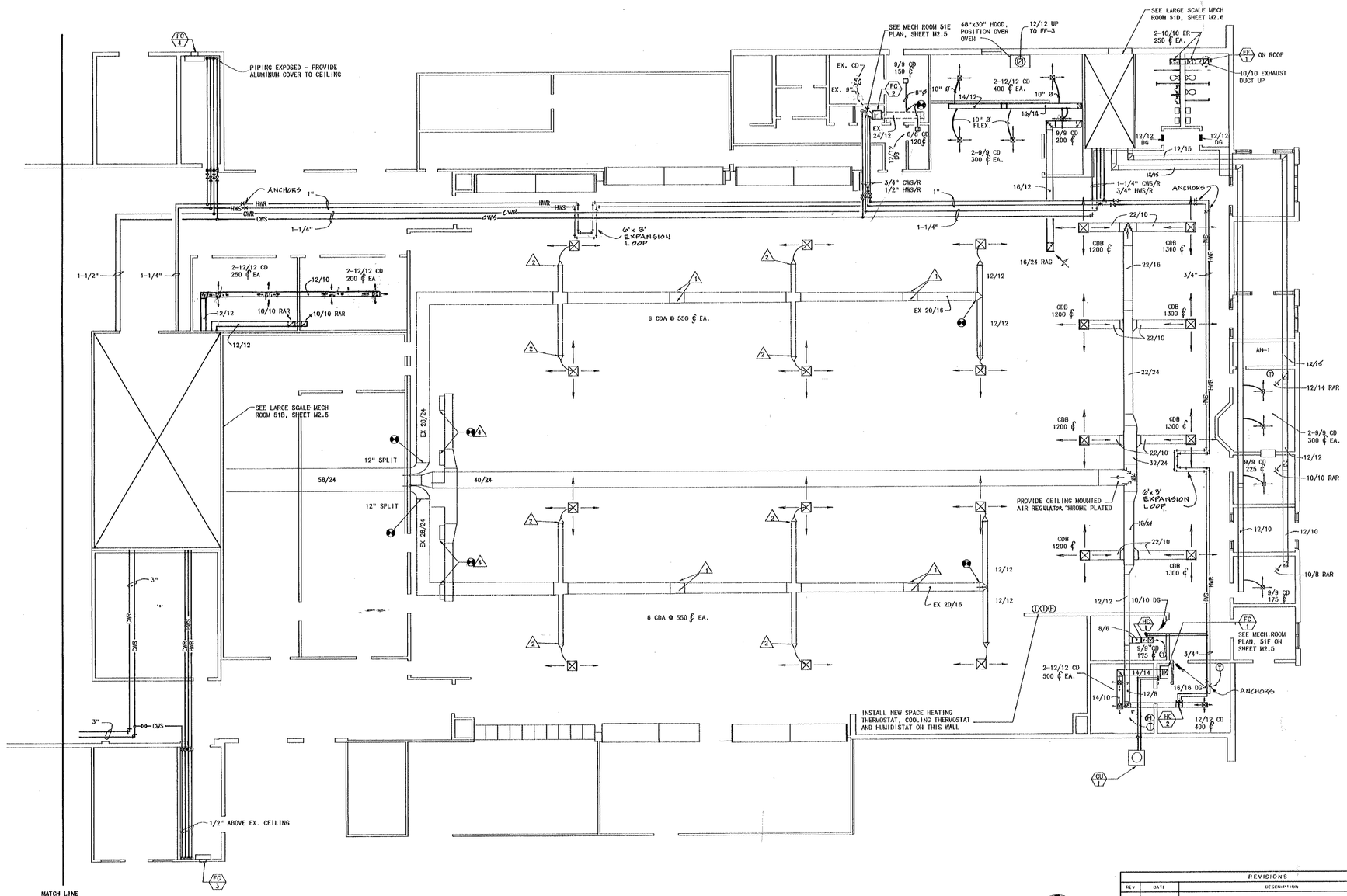
SUBTITLE: ELECTRICAL DETAILS & SCHEMATICS

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR

DESIGNED BY	CHECKED BY	SCALE	DATE
CM	CM	NTS	5/16/90
DRAWN BY	PROJECT NO	SHEET	DRAWING NO
GY	JUBJ860701	65 OF 65	G00811-9001

E-5.2

SHELTON BLUEPRINT & SUPPLY 759 - 3244



PART A MECHANICAL PLAN

SCALE 1/8" = 1'-0"

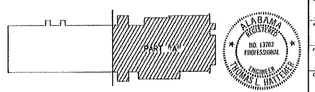
SHEET NOTES

1. CAP EXISTING 12/10 DUCT CONNECTION.
2. CONNECT TO EXISTING 12/10 DUCT. PROVIDE RECTANGULAR TO ROUND TRANSITION
3. COORDINATE EXACT LOCATION OF ALL CEILING DIFFUSERS AND RETURN GRILLES WITH THE REFLECTED CEILING PLAN.
4. INSTALL NEW 36/20 EGGCRATE TYPE RETURN GRILLE WITH OPPOSED BLADE DAMPER, 1/2"x1/2"x1" GRATING, ALL ALUMINUM CONSTRUCTION. INSTALL AT LOCATION OF REMOVED 36/20 - SEE SHEET M2.1

DIFFUSER SCHEDULE

MARK	NECK	PANEL SIZE	NOM. CFM	THROW
CDA	12"	24x24	550	4-WAY OR 2-WAY
CDB	21x21	24x24	1250	4-WAY
CDC	10"	24x24	350	4-WAY

NOTES:
1. PROVIDE 2-WAY OR 4-WAY THROW AS INDICATED ON PLAN
2. MARK "CD" IS A SQUARE DIFFUSER WITH SIZE AND NECK AS INDICATED



KEY PLAN

ALABAMA REGISTERED PROFESSIONAL ENGINEER NO. 13702 THOMAS L. HAYES

REVISIONS

REV	DATE	DESCRIPTION	STM	APPRVD

SAFETY

BIOENVIRONMENTAL

FIRE PROTECTION

FIRE PROT ENG

CLIMATIZATION CONTROL

OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: PART A MECHANICAL PLAN

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
HVAC AGENCY	CHIEF ENGR BR	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY TLH	CHECKED BY TLH	SCALE SHOWN	DATE 5/16/90
DRAWN BY GS/RR	PROJECT NO JUB J860701	SHEET 38 OF 65	DRAWING NO G00811-9001

SHT. REF NO. M2.3

8096M2

SHELTON BLUEPRINT & SUPPLY 'TB' 20X36

PHASING PLAN

1/16" = 1'-0"

CONSTRUCTION PHASING

PHASE 1A - CONSTRUCT ~~WEST-WINGS AND RECEIVING AND ATTACHED FACILITY AND BEGIN INTERIOR OFFICE, AND ZAMPERONI WORK~~

PHASE 1B - ~~WORK NEEDED AT NULL GATE IN~~ DEMOLITION, REMOVE EXISTING FENCE ADJACENT TO NEW CONCRETE, AND INSTALL NEW FENCE (6ft 230) AS INDICATED.

PHASE 2A - DURING THE ENTIRE CONSTRUCTION PROCESS, THE DAILY OPERATION OF THE CONTRACTORS WILL BE INTERFERED WITH. TEMPORARILY RELOCATE AND COMMENT TO EXISTING ADMINISTRATIVE AREA. PROVIDE WALL AND PARTITION REMOVAL OF EXISTING AND AREA TO PROVIDE FOR A COVERED PROTECTED PASSAGE TO BE CONTRACTED FOR USE BY PERSONNEL AND PATRONS, THE CONTRACTORS AS INDICATED. AN ADDITION COVERED PROTECTED PASSAGE WILL BE CONSTRUCTED ON THE SOUTH-EAST CORNER OF THE SALES AREA. THIS PASSAGE WILL PROVIDE A SEPARATE AISLE FOR CARRY-OUT AND RETURN FOR BADGERS. PROVIDE TEMPORARY BUSI AND SECURITY FACILITIES BEHIND EXIST SALES WALL.

PHASE 2B - PROVIDE RENOVATION AND CONSTRUCTION AS REQUIRED FOR NEW EAST BUILDING ADDITION.

PHASE 2C - AFTER CONSTRUCTION OF ADDITION, NEW ENTRANCE SHALL BE UTILIZED FOR PATRONS/BADGERS, BADGERS AND PARKING. REMOVE TEMPORARY ENTRANCE AND EXIT. MOVE IN RECEIVING ROOM TO SHOW CONTRACT. PROVIDE ELECTRICAL WORK AS REQUIRED FOR NEW CHECK-OUT LINE. OVER A 3ND DAY PERIOD (AS SPECIFIED BY CONTRACT OFFICER) DEACTIVATE EXISTING CHECK-OUT LINE AND ACTIVATE NEW LINE, TYING INTO ADP EQUIPMENT LOCATED TO NEW ADP ROOM (68 AD).

PHASE 3A - PROVIDE ALTERATIONS TO PRODUCE AREA, INCLUDING REFRIGERATION, WALL, AND CEILING ALTERATIONS (AREA 73).

PHASE 3B - PROVIDE ALTERATIONS TO MEAT REFRIGERATOR, INCLUDING REFRIGERATION, WALL, AND CEILING ALTERATIONS (AREA 74).

PHASE 5 - PROVIDE ALTERATIONS TO TOBACCO AND DAIRY AREA, INCLUDING REFRIGERATION, WALL, AND CEILING ALTERATIONS (AREA 74).

PHASE 2B - COMPLETE CONSTRUCTION OF NEW BAKERY AREA.

PHASE 3C - PROVIDE ALTERATIONS TO EAST HALF OF PRODUCE FROM SECTION WEST HALF OF EXISTING PRODUCE FROM SHALL REMAIN IN OPERATION.

PHASE 3C - PROVIDE ALTERATIONS TO WEST HALF OF PRODUCE FROM SECTION, REMOVED EAST HALF OF PRODUCE FROM SECTION SHALL REMAIN IN OPERATION

PHASE 4 - DRIVE SALES AREA IN HALF ON A EAST-WEST AXIS. REMOVE NORTH HALF, THEN REMOVE SOUTH HALF. PROVIDE FLOOR, CEILING AND EXTERIOR ALTERATIONS. NOTE THAT REMOVAL OF THE FLOORING IS AN ASBESTOS PROJECT TO BE HANDLED BY QUANTIC AIR FORCE BASE, AND COORDINATION IS REQUIRED TO ACCOMPLISH THIS PHASE.

PHASE 5 - AFTER COMPLETION OF MECHANICAL AND ELECTRICAL WORK IN ROOM 5ND, PROVIDE FACILITIONING IN ROOM 5ND, AND CONSTRUCT ROOF 3N & 4N.

STATE OF ALABAMA
2288
MARK C. RICHARDSON
REGISTERED ARCHITECT

REVISIONS			
Rev.	Date	Description	Appr'd

UNITED STATES AIR FORCE

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

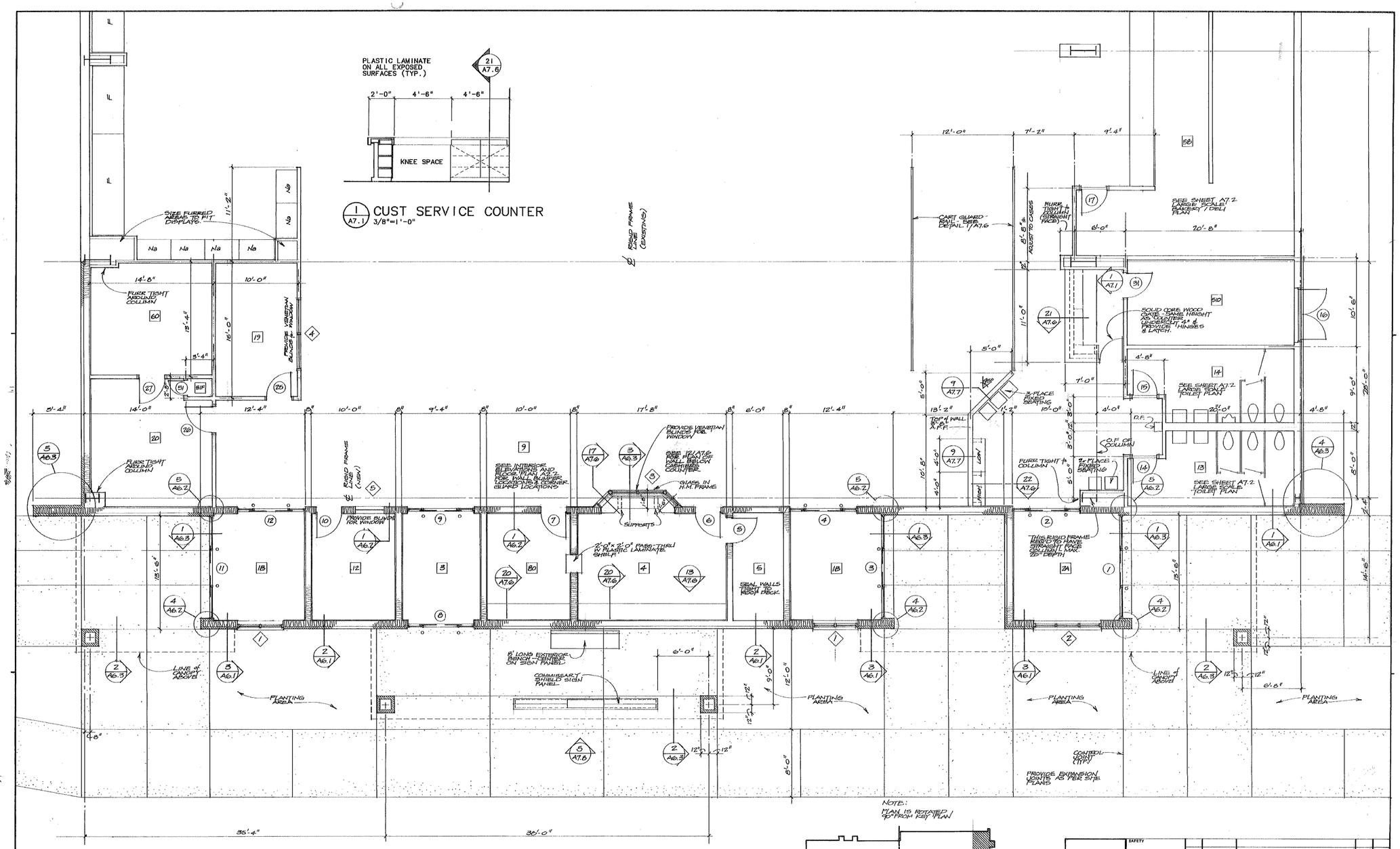
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

PHASING PLAN

Drawn By	Project No.	Scale	Date
R & A	JUB86070T	1/16" = 1'-0"	5/16/90
Checked By	Sheet No.	Drawing No.	
RA	32 of 65	00081-0001	

PH1.1

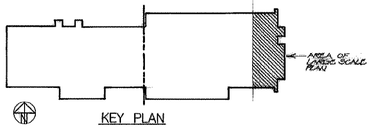
DIETLON MCGUIRE & PARKER ARCHITECTS



LARGE SCALE PLAN EAST ADDITION

1/4" = 1' - 0"

NOTE: PLAN IS ROTATED 90° FROM KEY PLAN



KEY PLAN

STATE OF ALABAMA
2388
JAMES G RICHARDSON
REGISTERED ARCHITECT

A7.1	SAFETY				
	BIOENVIRONMENTAL				
		REV.	DATE	DESCRIPTION	SYM.	APPR'D
	FIRE PROTECTION	REVISIONS			
	FIRE PROT. ENG.				
	CORROSION CONTROL				

FOR USE BY MAJCOM HEADQUARTERS AND USAF ONLY

APPROVED FOR DATE

APPROVED FOR DATE

APPROVED FOR DATE

UNITED STATES AIR FORCE — AIR TRAINING COMMAND

MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

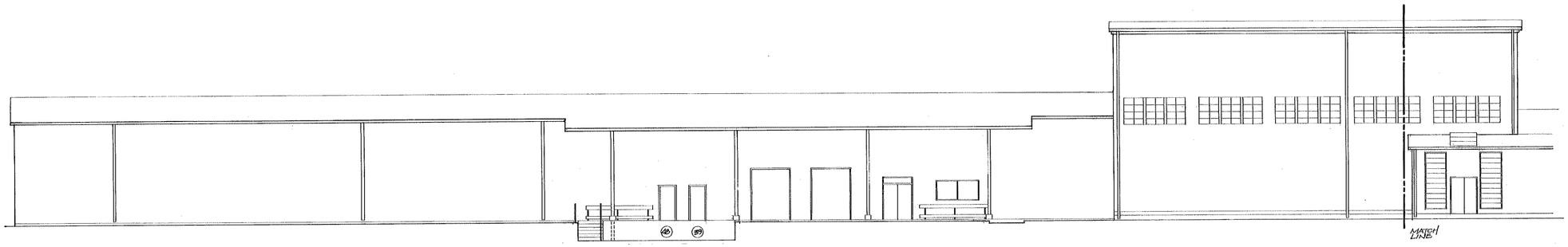
TITLE: ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE: LARGE SCALE PLAN EAST ADDITION

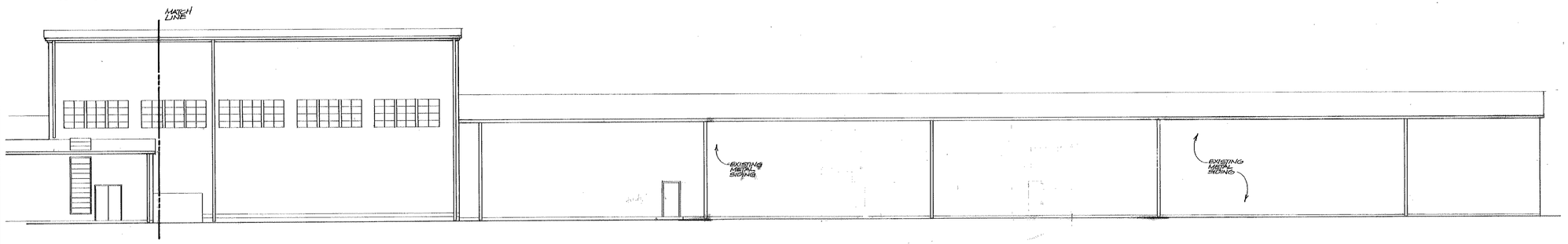
RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF, ENGR. BR.	ASSOC. CIVIL ENGR.	BASE CIVIL ENGR.

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	1/4"=1'-0"	5/16/90

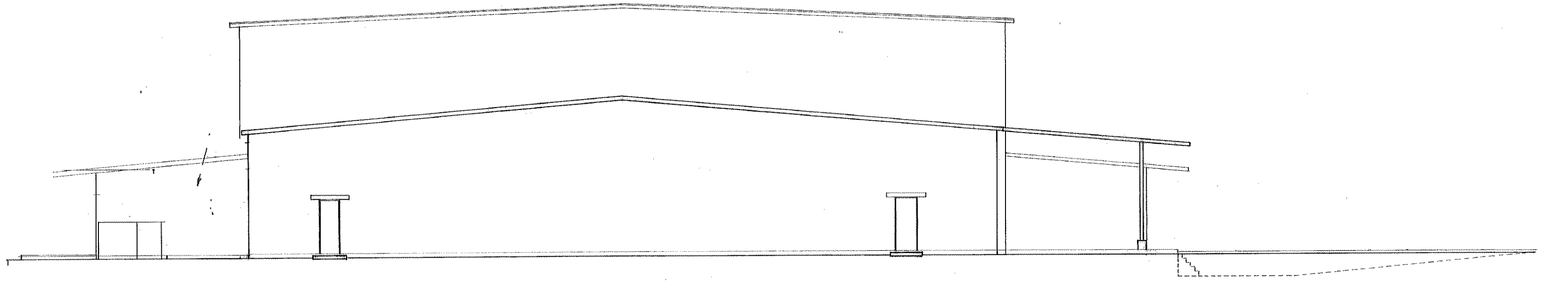
DRAWN BY	PROJECT NO.	SHEET	OF	DRAWING NO.
R&A	JUBJ860701	24	65	000811-9001



SOUTH ELEVATION
1/8" = 1'-0"



NORTH ELEVATION
1/8" = 1'-0"



WEST ELEVATION
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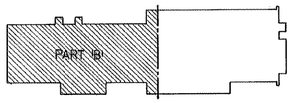

KEY PLAN

A5.2

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG.
CORROSION CONTROL

FOR USE BY MAJCOM HEADQRTRS. AND USAF ONLY

APPROVED FOR	DATE
APPROVED FOR	DATE
APPROVED FOR	DATE

STATE OF ALABAMA
2208
JAMES G. RICHARDSON
REGISTERED ARCHITECT

REV.	DATE	DESCRIPTION	SYM.	APPR'D

REVISIONS

UNITED STATES AIR FORCE — AIR TRAINING COMMAND
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE
ADDITION / ALTER COMMISSARY, BLDG 811
GUNTER AFB AL

SUBTITLE
ELEVATIONS PART 'B'

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF, ENGR. BR.	ASSOC. CIVIL ENGR.	BASE CIVIL ENGR.

DESIGNED BY	CHECKED BY	SCALE	DATE
RA	RA	1/8"=1'-0"	5/16/90

DRAWN BY	PROJECT NO.	SHEET	OF	DRAWING NO.
R & A	JUBJ850701	19	65	G00811-9001

BRUNING 46-131 53131-1

FINISH SCHEDULE

FLOORS/BASE

H-CONCRETE WITH HARDENER
C-CARPETING
S-RESILIENT TILE
Q-QUARRY TILE
T-CERAMIC TILE
W-WOOD
R-RUBER TILE

WALL MATERIAL

PL-PLASTER
GB-GYPSUM WALL BOARD
CM-CONCRETE MASONRY UNITS
SF-STORE FRONT
PF PREFABRICATED INSULATION

WAINSCOT

F-ACRYLIC/PVC

WALL FINISH

P-PAINT
V-WALLCOVERING
T-TILE
A-ACOUSTICAL PANELS

CEILINGS

A-ACOUSTICAL LAY-IN
PG-PAINTED GYPSUM BOARD
PP-PAINTED PLASTER
PS-PAINTED STRUCTURE
U-UNFINISHED STRUCTURE
PF-PREFABRICATED INSULATION
P#-PAINT COLOR

WINDOW TREATMENT

B-BLINDS

MILLWORK

W-WOOD
L-LAMINATE

ROOM NO.	ROOM NAME	FLOOR	BASE	WAINSCOT FINISH	WAINSCOT HEIGHT	WALLS N MATER.	WALLS N FINISH	WALLS S MATER.	WALLS S FINISH	WALLS E MATER.	WALLS E FINISH	WALLS W MATER.	WALLS W FINISH	CEILING MATER.	CEILING FINISH	CEILING HEIGHT	WDW. TRT.	MILLWORK	REMARKS
1A	EXIT VESTIBULE	R3	W	–	–	PL	V4	PL	V4	PL	V4	PL	V4	PG	P4	10'-0"	–	–	NOTE 1
1B	EXIT VESTIBULE	R3	W	–	–	PL	V4	PL	V4	PL	V4	PL	V4	PG	P4	10'-0"	–	–	NOTE 1
2A	ENTRY VESTIBULE	R3	W	–	–	PL	V4	PL	V4	PL	V4	PL	V4	PG	P4	10'-0"	–	–	NOTE 1
3	CARRY/OUT RET	R3	W	–	–	PL	V4	PL	V4	PL	V4	PL	V4	PG	P4	10'-0"	–	–	NOTE 1
4	CASHIER'S OFF	C	R1	–	–	PL	P2	PL	P2	PL	P2	PL	P2	A	–	8'-0"	B	–	NOTE 1
5	SAFE ROOM	S1	R1	–	–	CM	P2	CM	P2	CM	P2	CM	P2	A	–	8'-0"	–	–	–
6	CUSTOMER SERV	S1	W	–	–	GB	V*	–	–	–	–	GB	V*	PG	P4	10'-0"	–	W	NOTE 2 & 9
7	PATRON WAITING	S1	W	–	–	GB	V*	–	–	PL	V*	–	–	PG	P4	10'-0"	–	L	NOTE 1 & 2
8	CART STORAGE	S1	–	–	–	–	–	–	–	–	–	–	–	A	–	VARIES	–	–	NOTE 2
9	CHECK-OUT/QUE	S1	W	F	2'-8"	–	–	GB	V*	PL	V*	–	–	A	–	VARIES	–	–	NOTE 1 & 2
10	SALES	S1	W	–	–	GB	V*	GB	V*	PL	V*	GB	V*	A	–	VARIES	–	–	NOTE 2 & 7
12	CUST. SERV. OFF	C	R1	–	–	GB	P2	GB	P2	GB	P2	GB	P2	A	–	10'-0"	–	–	–
13	WOMEN'S RESTRM	T5	T5	–	–	GB	T4	GB	T4	GB	T4	GB	T4	PG	P3	8'-0"	–	–	NOTE 8
14	MEN'S RESTROOM	T5	T5	–	–	GB	T4	GB	T4	GB	T4	GB	T4	PG	P3	8'-0"	–	–	NOTE 8
15	SENSITIVE ST	–	–	–	–	EX	P2	EX	P2	EX	P2	EX	P2	EX	P3	–	–	–	–
16A	CONTRLD TEMP ST	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16B	CONTRLD TEMP ST	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	DAMAGED MRCHD	–	–	–	–	–	P2	–	P2	–	P2	–	P2	–	–	–	–	W	–
19	STORE MGR OFF	C	R1	–	–	V1	P2	V1	P2	V1	P2	V1	P2	A	–	8'-0"	B	–	–
20	ADMINISTRATIVE	C	R1	–	–	GB	P2	GB	P2	GB	P2	GB	P2	A	–	9'-0"	–	–	–
21A	WOMEN'S RES EMP	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21B	WOMEN'S RES EMP	T5	T5	–	–	GB	T4	GB	T4	GB	T4	GB	T4	PG	P3	8'-0"	–	–	–
22	WOMEN'S LOCK RM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24A	MEN'S REST EMP	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24B	MEN'S REST EMP	T5	T5	–	–	GB	T4	GB	T4	GB	T4	GB	T4	PG	P3	8'-0"	–	–	–
26	EMP TOILET VEST	T5	T5	–	–	GB	P2	GB	P2	GB	P2	GB	P2	PG	P3	8'-0"	–	–	–
27	MAIN SUPPLY STO	T5	T5	–	–	–	P2	–	P2	–	P2	–	P2	–	–	–	–	–	–
28	BREAKROOM	S1	R1	–	–	GB	V4	GB	V4	GB	V4	GB	V4	A	–	9'-0"	–	W	–
29	MAIN JAN CLOSET	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31A	CORRIDOR	–	–	–	–	–	–	GB	P2	–	–	–	–	–	–	–	–	–	NOTE 3
31B	CORRIDOR	–	–	–	–	GB	P2	–	–	–	–	–	–	–	–	–	–	–	NOTE 3
32B	FROZEN FOOD ST	H	H	–	–	PF	–	PF	–	PF	–	PF	–	PF	–	–	–	–	NOTE 4
33	DAIRY ST/PROC	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	MEAT RESTOCKING	Q	Q	–	–	GB	V1	GB	V1	–	–	GB	T1	A	–	11'-0"	–	–	NOTE 2
36	WRAP MEAT HOLD	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	MEAT PROCESSING	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	BEEF CARC STOR	–	Q	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	NOTE 5
40	PRE-PAK MEATS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	SM SUPPLY STOR	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	MEAT MGR'S OFF	S1	R1	–	–	P2	–	P2	–	P2	–	P2	–	A	–	8'-0"	–	–	–
47	PRODUCE PROC	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	PROD MGR'S OFF	S1	R1	–	–	GB	P2	GB	P2	GB	P2	GB	P2	A	–	8'-0"	–	–	–
49	PRODUCE STORAGE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	UNLOADING AISLE	–	–	–	–	–	–	GB	P2	GB	P2	–	–	–	–	–	–	–	NOTE 3
51A	MECHANICAL ROOM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51B	MECHANICAL ROOM	–	–	–	–	GB	P2	GB	P2	–	–	GB	P2	–	–	–	–	–	NOTE 3
51C	MECHANICAL ROOM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51D	MECHANICAL ROOM	H	R1	–	–	GB	P2	GB	P2	GB	P2	GB	P2	–	–	–	–	–	–
51E	MECHANICAL ROOM	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51F	MECHANICAL ROOM	H	R1	–	–	GB	P2	GB	P2	GB	P2	GB	P2	–	–				
52	MED FD INSP OFF	S1	R1	–	–	GB	P2	GB	P2	GB	P2	GB	P2	A	–	8'-0"	–	–	–
53	WRHSE MGR OFF	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	SEMI-PERISH ST	–	R	–	–	–	–	–	–	GB	P2	–	–	–	–	–	–	–	NOTE 3
58	CL C BAKERY WRK	Q	Q	–	–	GB	T2	GB	T2	GB	T2	GB	T2	PG	P3	10'-0"	–	W	NOTE 8
60	ADP SCANNING	C	R1	–	–	GB	A1	GB	A1	GB	A1	GB	A1	A	–	8'-0"	–	–	–
61	TRAINING ROOM	C	R1	–	–	GB	P2	GB	P2	GB	P2	GB	P2	A	–	9'-0"	–	W	–
63	CONTRACT STOCK	H	R1	–	–	–	P2	–	P2	–	P2	–	P2	–	P3	–	–	–	–
67	STORE MGR OFF	C	R1	–	–	V1	P2	V1	P2	V1	P2	V1	P2	–	–	–	–	–	–
69	RECEIVING	–	–	–	–	GB	P2	–	–	–	–	GB	P2	–	–	–	–	–	NOTE 3
70	STAGING	–	–	–	–	–	–	–	–	–	–	GB	P2	–	–	–	–	–	NOTE 3
72	MASS DISPLAY	S1	W	–	–	–	–	–	–	–	–	–	–	A	–	VARIES	–	–	NOTE 2
73	PRODUCE DIS	S1	W	–	–	GB	*	GB	*	GB	*	GB	*	A	–	VARIES	–	–	NOTE 2
74	DAIRY DISPLAY	S1	W	–	–	GB	*	GB	*	GB	*	GB	*	A	–	VARIES	–	–	NOTE 2
80	CASH COUNT RM	C	R1	–	–	CM	P2	CM	P2	CM	P2	CM	P2	A	–	8'-0"	–	–	–
83	CLOSET	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
84	MGR RECPT AREA	C	R1	–	–	GB	P2	–	P2	GB	P2	–	P2	A	–	9'-0"	–	–	–
85	ELECTRICAL	–	–	–	–	–	P2	–	P2	–	P2	–	P2	–	–	–	–	–	–
86	HALLWAY	–	–	–	–	–	P2	–	P2	–	P2	–	P2	–	–	–	–	–	–
87	CORRIDOR	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
88	RET'D TO BASE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
89	EGG CANDLING	H	R1	–	–	GB	P*	GB	P*	GB	P*	GB	P*	GB	P*	8'-0"	–	L	PAINT FLAT BLACK
90	CLOSET	S1	R1	–	–	GB	P2	GB	P2	GB	P2	GB	P2	GB	P2	8'-0"	–	–	–

FINISH SCHEDULE NOTES

NOTE 1 – CMU WALLS WITH PLASTER FINISH

NOTE 2 – SEE ELEVATIONS FOR VINYL WALLCOVERING AND PAINT DESIGNATION

NOTE 3 – PROVIDE FINISH FOR NEW WALLS ONLY

NOTE 4 – PROVIDE NON-SKID SEALED FLOOR FINISH

NOTE 5 – REMOVE EXISTING DAMAGED QUARRY TILE BASE AND REPLACE WITH NEW TO MATCH EXISTING.

NOTE 6 – PROVIDE NEW SEALED FINISH ON EXISTING CONCRETE FLOORS.

NOTE 7 – SEE FLOOR PLAN FOR FLOOR FINISH DESIGNATIONS

NOTE 8 – PORVIDE MOISTURE RESISTANT GYPSUM WALL BOARD

NOTE 9 – PROVIDE PAINTED GYPSUM WALLBOARD SOFFIT COLOR P-4

REFRIGERATOR CASE COLOR SCHEDULE

CASE NUMBER	COLOR
A	TYLER #36 FOREST
C, LC, KC	TYLER #44 PUMPKIN
D, J	TYLER #45 BRIGHT RED
E, F	TYLER #38 BRIGHT YELLOW
IDH, IDO	TYLER #41 BRIGHT BLUE

COLOR SCHEDULE

MARK	MATERIAL	MANUFACTURER	COLOR
	FLOORS/BASE		
C	CARPET	J&J MEGATREND CG	402 MESA
S1	VINYL COMPOSITION TILE	ARMSTRONG IMPERIAL	51841 CASTLE GREIGE
S2	VINYL COMPOSITION TILE	ARMSTRONG IMPERIAL	51908 PEWTER
Q	QUARRY TILE		TO MATCH EXISTING
T5	CERAMIC TILE	AMER. OLEAN CERAM. CLAS.	C13 DORIC STONE
W	OAK WOOD		NATURAL FINISH
R1	RUBBER COVE BASE	FLEXCO	# 24 LT. BEIGE
R2	NOT USED	–	–
R3	RUBBER TILE	FLEXCO	RBT 10
	WAINSCOT		
F	ACRYLIC PVC	CAMPBELL CORP.	PINSTRIPE
	WALL FINISH		
P1	PAINT	SHERWIN WILLIAMS	SW 1103 ELEMENTAL TAN
P2	PAINT	SHERWIN WILLIAMS	SW 1353 OLD IVORY
P4	PAINT	SHERWIN WILLIAMS	SW 1017 GARBO SILVER
P6	PAINT	MATCH REFR. CASE	TYLER 44 PUMPKIN
P7	PAINT	MATCH REFR. CASE	TYLER 45 BRIGHT RED
P8	PAINT	MATCH REFR. CASE	TYLER 38 BRIGHT YELLOW
P9	PAINT	MATCH REFR. CASE	TYLER 36 FORREST GREEN
P10	PAINT	MATCH REFR. CASE	TYLER 41 BRIGHT BLUE
V1	VINYL WALLCOVERING	BOLTAWALL BRAZO II TYPE 2	BB-BR-12 GREY
V2	VINYL WALLCOVERING	BOLTAWALL BRAZO II TYPE 2	BB-BR-26 MINT
V3	VINYL WALLCOVERING	BOLTAWALL BRAZO II TYPE 2	BB-BR-21 STRAW
V4	VINYL WALLCOVERING	BOLTAWALL BRAZO II TYPE 2	BB-BR-23 APRICOT
T1	CERAMIC TILE	AMERICAN OLEAN SATINGLO	D 13 ANTIQUE
T2	CERAMIC TILE	AMERICAN OLEAN SATINGLO	D 17 VELLUM
T3	NOT USED	–	
T4	CERAMIC TILE	FLORIDA TILE MATTE GLZ	704 PARCHMENT
A1	ACOUSTICAL WALLCOVERING	GILMAN NOVA DESIGNS WALE	GG-6602-WC TAPIOCA
	CEILINGS		
A	ACOUSTICAL LAY-IN	ARMSTRONG CORTEGA	WHITE
P3	PAINT COLOR	SHERWIN WILLIAMS	CEILING WHITE
P5	PAINT COLOR	SHERWIN WILLIAMS	SW 1035 HEAVY METAL
	WINDOW TREATMENT		
B	BLINDS	FLEXALUM HUNTER DOUGLAS	VANILLA
	MILLWORK		
W	OAK	–	NATURAL
L1	PLASTIC LAMINATE	FORMICA	913 INDIAN SMOKE MAT
L2	PLASTIC LAMINATE	FORMICA	927 FOLKSTONE MATTE
L3	PLASTIC LAMINATE	FORMICA	856 VICUNA MATTE
MARK	MATERIAL	MANUFACTURER	COLOR

THE USE OF MANUFACTURER'S TRADE NAMES IS TO ESTABLISH STANDARDS AND REQUIREMENTS FOR COLOR, TEXTURE, PATTERN, TYPE, AND OTHER MATERIALS/FINISHES AND IS NOT MEANT TO BE RESTRICTIVE. OTHER MANUFACTURER'S PRODUCTS THAT MEET OR EXCEED THESE CHARACTERISTICS MAY BE SUBMITTED FOR CONTRACTING OFFICER'S REVIEW AND APPROVAL, AND/OR DISAPPROVAL.

STATE OF ALABAMA
2280
JAMES C RICHARDSON
REGISTERED ARCHITECT

REVISIONS				
REV	DATE	DESCRIPTION	SYM	APPR'D

SAFETY
BIOENVIRONMENTAL
FIRE PROTECTION
FIRE PROT. ENG
CORROSION CONTROL
OPERATIONS

UNITED STATES AIR FORCE
MAXWELL AIR FORCE BASE
MONTGOMERY, ALABAMA

TITLE: ADD/ALTER COMMISSARY, BLDG. 811 GUNTER AFB AL

SUBTITLE: FINISH & COLOR SCHEDULE

RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
USING AGENCY	CHIEF ENGR BR.	ASSOC CIVIL ENGR	BASE CIVIL ENGR
DESIGNED BY: RA	CHECKED BY: RA	SCALE	DATE: 5/16/90
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