KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM [RPMT]

U.S. ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

ATTACHMENT B 585 As-Builts

PREPARED BY:

FRANCIS E. STANLEY & ASSOCIATES, INC.

ARCHITECTS ··· ENGINEERS ··· PLANNERS

ALBUQUERQUE, NEW MEXICO

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PLATE 0

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
12	INDEX, PLATES 2 THRU 15, 17 THRU 23A, 25 & 26 REVISED AS-BUILT	9 APR 69	AT
11	REVISED PLATE 22	2/12/68	
10	REVISED PLATE 4	1/26/68	
9	~~REVISED PLATE 3~~	1/23/68	
8	REVISED PLATES 4, 5, 25 & 26	12-11-67	
7	Revised Plates 4, 6, 15, 21 & 22	12 Sep 67	
6	REVISED PLATES 4, 7, 10, 11 & 25	27 JULY 67	
5	REVISED PLATE 19.	19 MAY 67	
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1	REVISED PLATE 23.	17 MAR 67	

REVISIONS

DRAWINGS OF WORK AS-BUILT CONTRACT NUMBER DACA47-67-C-0097 585 SH-0 DISTRICT FILE NO. AA-IN-0/1.10

MASTER DRAWING INDEX BLDG 585

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BLDG 585				
				RECREATION GYMNASIUM (RPMT)
1	DACA 47-67-B-0061	AW-16-06-170	1 OF 1	SITE PLAN
2	" " " " "	AW-16-01-37	1 OF 2	GRADING, LAYOUT & PAVING PLOT, PLANS & DETAILS
3	" " " " "	" " " "	2 OF 2	SECTIONS & DETAILS
3.A	" " " " "	AW-16-10-10	1 OF 1	LANDSCAPE PLAN & DETAILS
4	" " " " "	AW-31-06-02	1 OF 24	FLOOR PLAN & SCHEDULES (1 ORIGINAL, 1 PRINT)
5	" " " " "	" " " "	2 OF 24	ELEVATIONS & BUILDING SECTION
6	" " " " "	" " " "	3 OF 24	ENLARGED FLOOR PLAN & INTERIOR ELEVATIONS
7	" " " " "	" " " "	4 OF 24	BUILDING SECTIONS & DETAILS
8	" " " " "	" " " "	5 OF 24	WALL SECTIONS & DETAILS
9	" " " " "	" " " "	6 OF 24	WALL SECTIONS
10	" " " " "	" " " "	7 OF 24	WALL SECTIONS & DETAILS
11	" " " " "	" " " "	8 OF 24	DOOR & MISC. DETAILS
12	" " " " "	" " " "	9 OF 24	ROOF PLAN & MISC. DETAILS
13	" " " " "	" " " "	10 OF 24	MISC. DETAILS
14	" " " " "	" " " "	11 OF 24	ARCHITECTURAL, SHEET METAL DETAILS
15	" " " " "	" " " "	12 OF 24	FOUNDATION PLAN & DETAILS
16	" " " " "	" " " "	13 OF 24	FOUNDATION DETAILS
17	" " " " "	" " " "	14 OF 24	ROOF FRAMING PLAN & DETAILS
18	" " " " "	" " " "	15 OF 24	STRUCTURAL DETAILS
19	" " " " "	" " " "	16 OF 24	UTILITIES LAYOUT PLAN
20	" " " " "	" " " "	17 OF 24	HEATING & VENTILATING PLAN & DETAILS
21	" " " " "	" " " "	18 OF 24	PLUMBING PLANS & DETAILS
22	" " " " "	" " " "	19 OF 24	EQUIPMENT ROOM PLAN & DETAILS
23	" " " " "	" " " "	20 OF 24	STANDARD DETAILS, SEWER & WATER
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24	" " " " "	" " " "	22 OF 24	ELECTRICAL
				SITE PLAN & POLE DETAILS
25	" " " " "	" " " "	23 OF 24	FLOOR PLAN-LIGHTING & DETAILS
26	" " " " "	" " " "	24 OF 24	FLOOR PLAN-POWER, RISER DIAGRAMS & PANEL SCHEDULES
		FILE NO.		
27	KLD-117-8	BEO-585-1	1 OF 2	MC. REC. GYM HYDRO-BATH
				MECHANICAL-STRUCTURAL, BLDG 585
28	KLD-117-8	BEO-585-2	2 OF 2	ELECTRICAL-STRUCTURAL, BLDG 585
29	KLD-157-0	DCE-585-1-0	1 OF 1	REPAIR SQUASH COURT, PLANS & SECTION

PLATE NO.	DISTRICT FILE NO. OR KLD	DRAWING NO.	SHEET NO.	TITLE

REVISION	DATE	DESCRIPTION	BY

KIRTLAND AIR FORCE BASE ALBUQUERQUE, NEW MEXICO

MASTER DRAWING INDEX

BLDG 585

KLD

4902d CIVIL ENGINEERING SQUADRON DATE:

SUBMITTED — APPROVAL RECOMMENDED — APPROVED

CHIEF ENGRG. & CONST. — USING AGENCY — COMMANDER OF CIVIL ENGINEERING

DRAWN ____ DESIGNED ____ CHECKED ____ ENGINEER ____

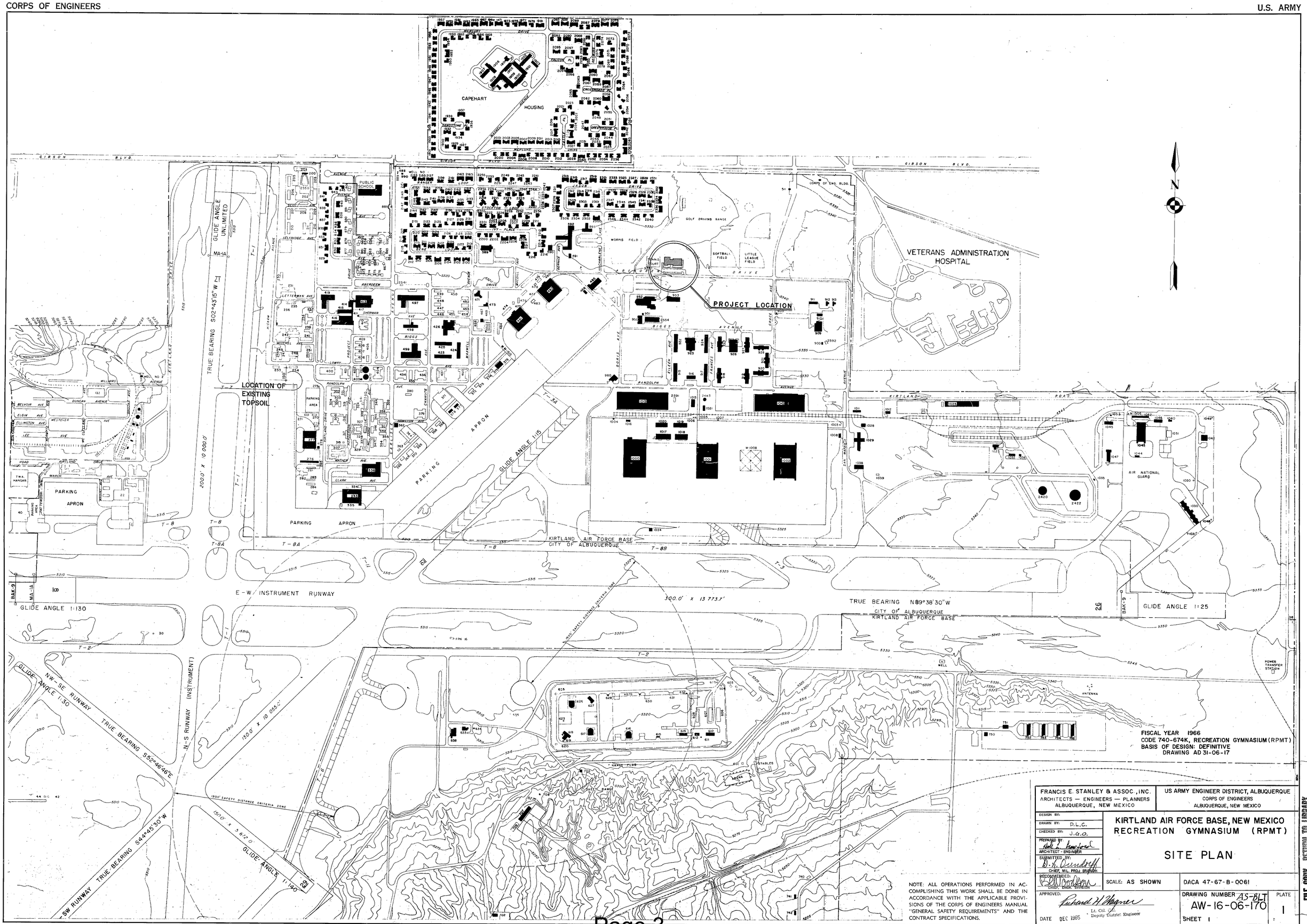
FILE NUMBER CES-

SHEET OF

SCALE AS SHOWN

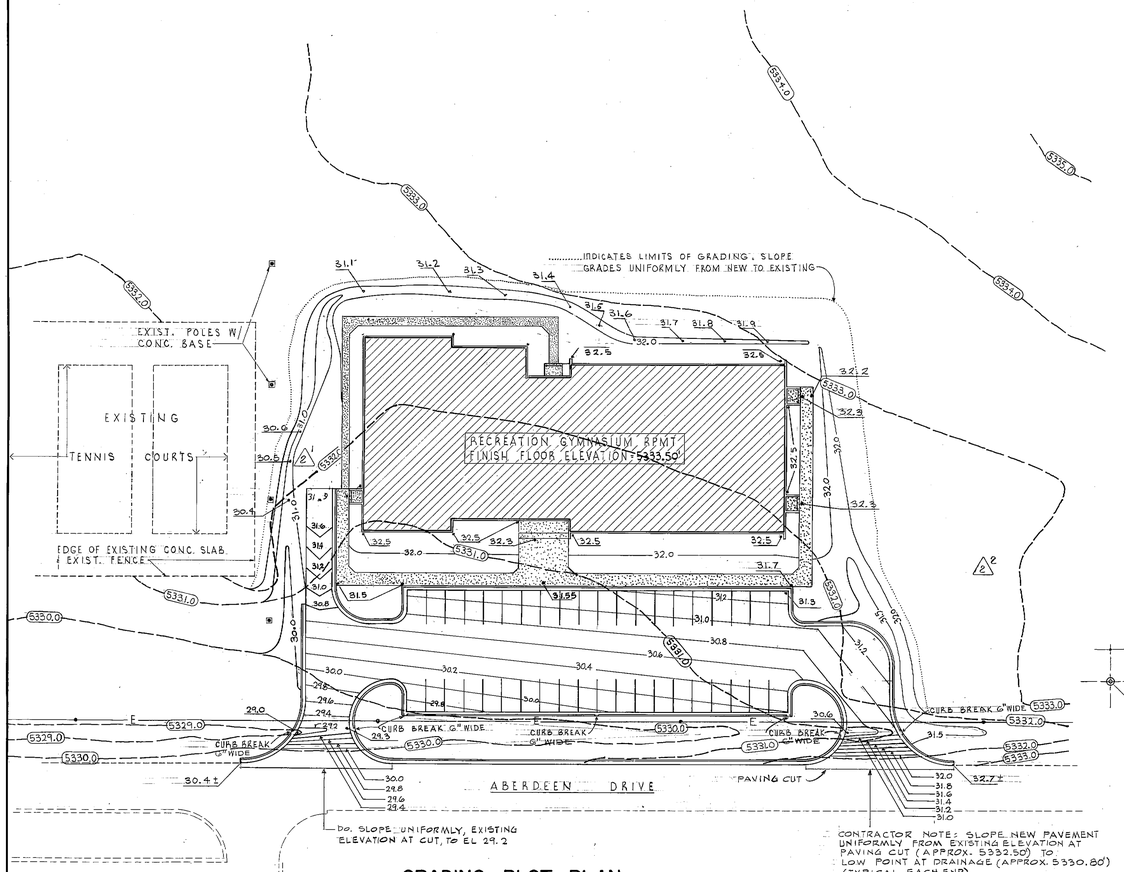
PLATE NO.

585 SH 00



FILE COPY - RETURN TO LIBRARY

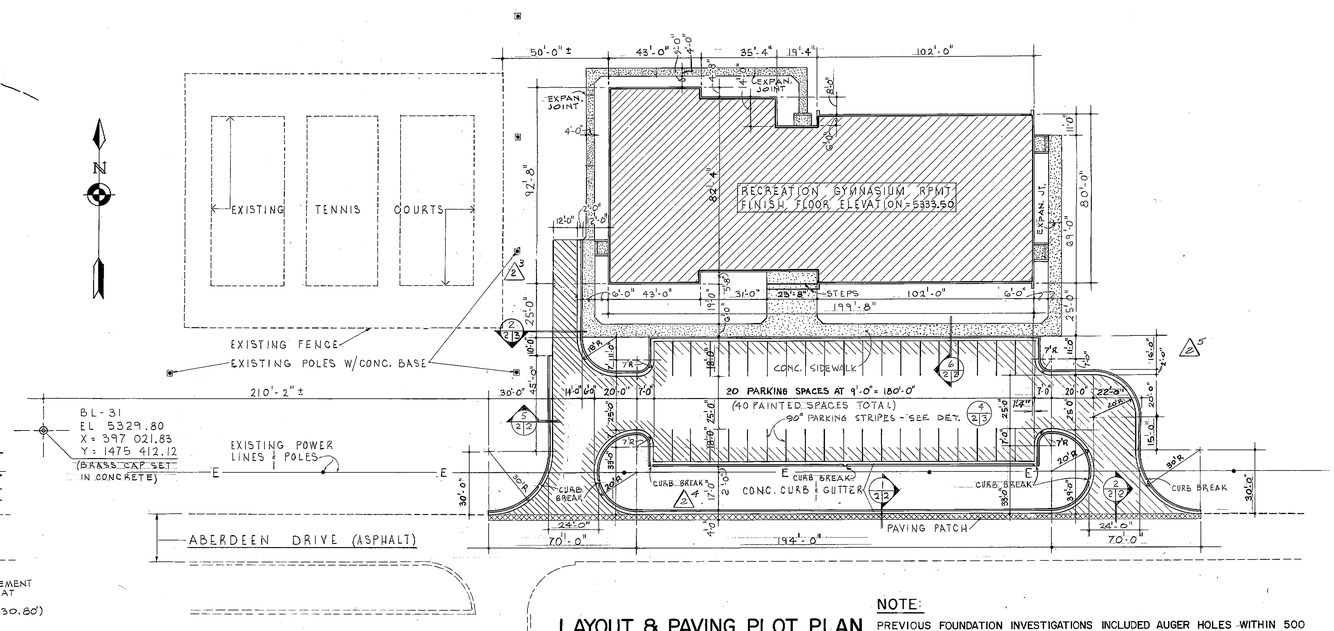
585 SH-1 DRAWING OF WORK AS-BUILT DISTRICT FILE NO AA-IN-1/1



GRADING PLOT PLAN

SCALE 1" = 30'

32.5 FINISH GRADE ELEVATION

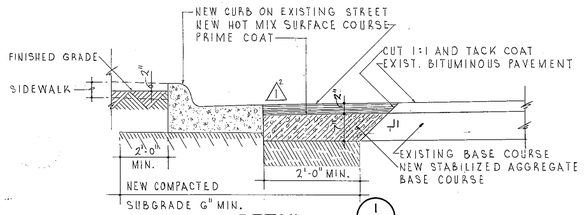


LAYOUT & PAVING PLOT PLAN

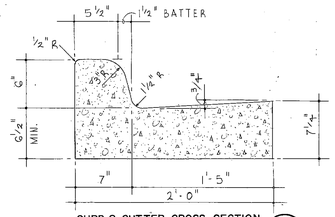
SCALE 1" = 30'

NOTE:
SEE PAVING NOTES ON PLATE 3 FOR COMPACTION REQUIREMENTS.

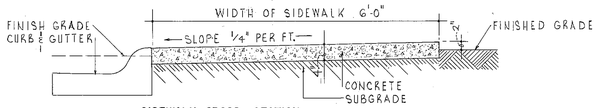
NOTE:
PREVIOUS FOUNDATION INVESTIGATIONS INCLUDED AUGER HOLES WITHIN 500 FEET OF THE SITE OF THE RECREATION GYMNASIUM. SUBSURFACE MATERIALS FROM THESE HOLES HAD CLASSIFICATIONS OF CLAYEY SAND (SC), SANDY CLAY (CL), AND SILTY SAND (SM-SC). THEIR PLASTICITY INDICES VARIED BETWEEN 4 AND 19. GROUND WATER WAS NOT FOUND IN ANY OF THE AUGER HOLES.



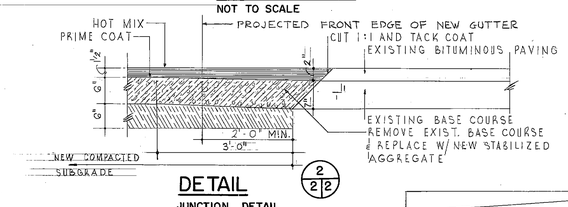
DETAIL 1/2/2
FLEXIBLE PAVING PATCH
NOT TO SCALE



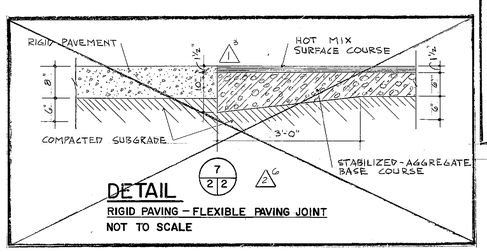
DETAILS 5/2/2
CONCRETE CURB & GUTTER
NOT TO SCALE



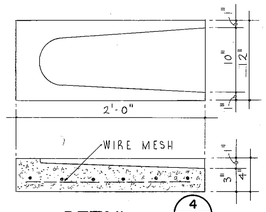
DETAILS 6/2/2
CONCRETE SIDEWALK
NOT TO SCALE



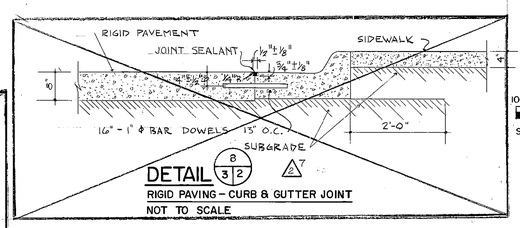
DETAIL 2/2/2
JUNCTION DETAIL
NOT TO SCALE



DETAIL 7/2/2
RIGID PAVING – FLEXIBLE PAVING JOINT
NOT TO SCALE



DETAIL 4/4/2
PRECAST SPLASH BLOCK
NOT TO SCALE



DETAIL 8/3/2
RIGID PAVING – CURB & GUTTER JOINT
NOT TO SCALE

NOTE:
REFERENCE FLOOR LINE 100'-0" CORRESPONDS WITH ACTUAL ELEV. 5333.50'

GRAPHIC SCALE
10' 0 10 20 30 40 50 60 70 80
SCALE: 1" = 30'

DETAIL OR SECTION NUMBER
NUMBER OF PLATE ON WHICH DETAIL OR SECTION IS CUT
NUMBER OF PLATE ON WHICH DETAIL OR SECTION IS DRAWN

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

LEGEND

5332.5	FINISH GRADE ELEVATION
5331.5	EXISTING GRADE ELEVATION
	NEW CONCRETE CURB & GUTTER
	NEW FLEXIBLE PAVING PATCH
	NEW FLEXIBLE PAVING
	NEW CONCRETE SIDEWALK
	NEW BUILDING
	EXISTING STRUCTURES
E	EXISTING POWER LINES & POLES
	NEW RIGID PAVING

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS-BUILT	9APR'69	
1	DELETED DETAIL 4/2	29-3-67	GHH

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

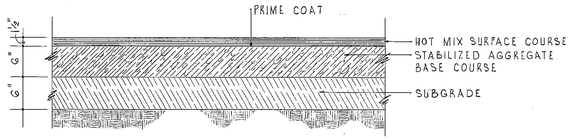
US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: J.G.O.
DRAWN BY: D.L.C.
CHECKED BY: J.G.O.
PREPARED BY: Leslie L. Crawford, ARCHITECT - ENGINEER
SUBMITTED BY: L. L. Crawford, CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Col. CE, Deputy District Engineer
DATE: DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)
GRADING, LAYOUT & PAVING PLOT PLANS & DETAILS

SCALE: AS SHOWN
DACA 47-67-B-0061
DRAWING NUMBER AS-BLT AW-16-01-37
PLATE 2
SHEET 1

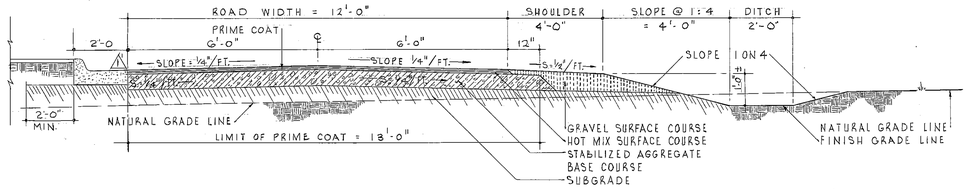
SBS SH-2 DRAWING OF WORK AS BUILT DISTRICT FILE NO. AA-IN-2/1.2



DETAIL (1/2|3)

TYPICAL FLEXIBLE PAVING

SCALE 1" = 1'-0"

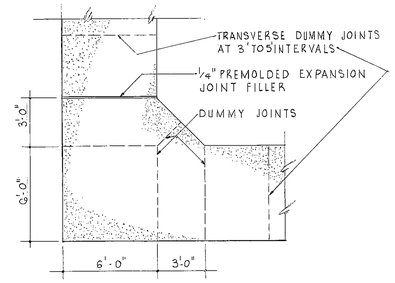


SECTION (2/2|3)

TYPICAL ROAD SECTION
FLEXIBLE PAVING
NOT TO SCALE

PAVING NOTES

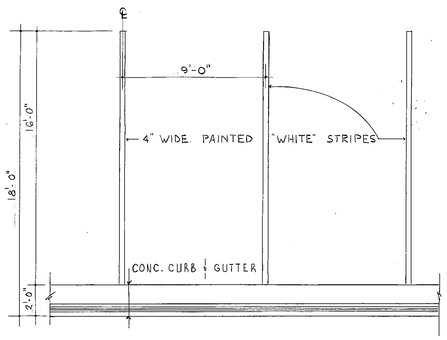
1. STABILIZED-AGGREGATE BASE COURSE SHALL BE COMPACTED TO 100 %.
2. GRAVEL SURFACE COURSE IN THE SHOULDERS SHALL BE COMPACTED TO 100 %.
3. SUBGRADE SHALL BE COMPACTED TO 95 %.
4. COMPACTION WILL BE BASED ON THE MAXIMUM DRY DENSITY IN THE MILITARY STANDARD, MIL-STD-621 (CE), METHOD 51, COMPACTION EFFORT DESIGNATION C-55.



DETAIL (3/2|3)

SIDEWALK INTERSECTION

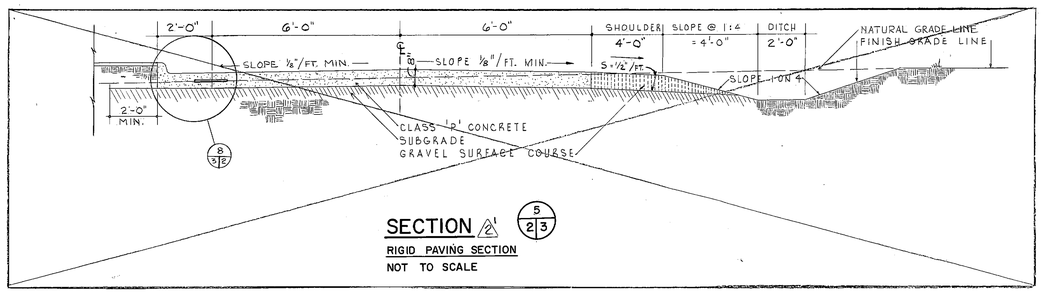
SCALE 1/4" = 1'-0"



DETAIL (4/2|3)

PARKING AREA STRIPING

SCALE 1/4" = 1'-0"



SECTION 2' (5/2|3)

RIGID PAVING SECTION
NOT TO SCALE

ABBREVIATIONS

ALUM.	ALUMINUM	INSUL'N.	INSULATION
A.T.	ASPHALT TILE	JT.	JOINT
BD.	BOARD	LAV.	LAVATORY
BLK.	BLOCK	MAT'L.	MATERIAL
BM.	BEAM	MECH.	MECHANICAL
B/U.	BUILT-UP	MET.	METAL
CEM.	CEMENT	M.T.	METAL THRESHOLD
C.I.	CAST IRON	M.T.S.	METAL TOILET STALL
C.M.U.	CONCRETE MASONRY UNITS	O.C.	ON CENTER
COL.	COLUMN	OPNG.	OPENING
CONC.	CONCRETE	PART'N.	PARTITION
DET.	DETAIL	PL.	PLATE
D.F.	DRINKING FOUNTAIN	REINF.	REINFORCED
D.S.	DOWN SPOUT	RM.	ROOM
EQUIP.	EQUIPMENT	REQ'D.	REQUIRED
EXIST.	EXISTING	SECT.	SECTION
EXPAN.	EXPANSION	STD.	STANDARD
F.D.	FLOOR DRAIN	STOR.	STORAGE
FIN.	FINISH	T. & G.	TONGUE AND GROOVE
FL.	FLOOR	TK.	THICK
FTG.	FOOTING	TLT.	TOILET
GA.	GAUGE	TYP.	TYPICAL
GALV.	GALVANIZED	W.C.	WATER CLOSET
G.S.U.	GLAZED STRUCTURAL UNITS		
GYP. BD.	GYPSUM BOARD		

ARCHITECTURAL SYMBOLS

	CONCRETE MASONRY UNITS
	GLAZED CERAMIC STRUCTURAL UNITS
	CONCRETE
	INSULATION
	WOOD
	GYPSUM BOARD
	PLASTER
	GRADE
	STEEL

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

SCALE: 1" = 1'-0"

GRAPHIC SCALES

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS-BUILT	9APR'69	
1	DELETED DETAIL (4/2)	29-5-67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: JGO
DRAWN BY: P.L.C.
CHECKED BY: J.G.O.
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Lt. Col., Corps of Engineers, Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

SECTIONS AND DETAILS

SCALE: AS SHOWN

DACA 47-67-B-0061

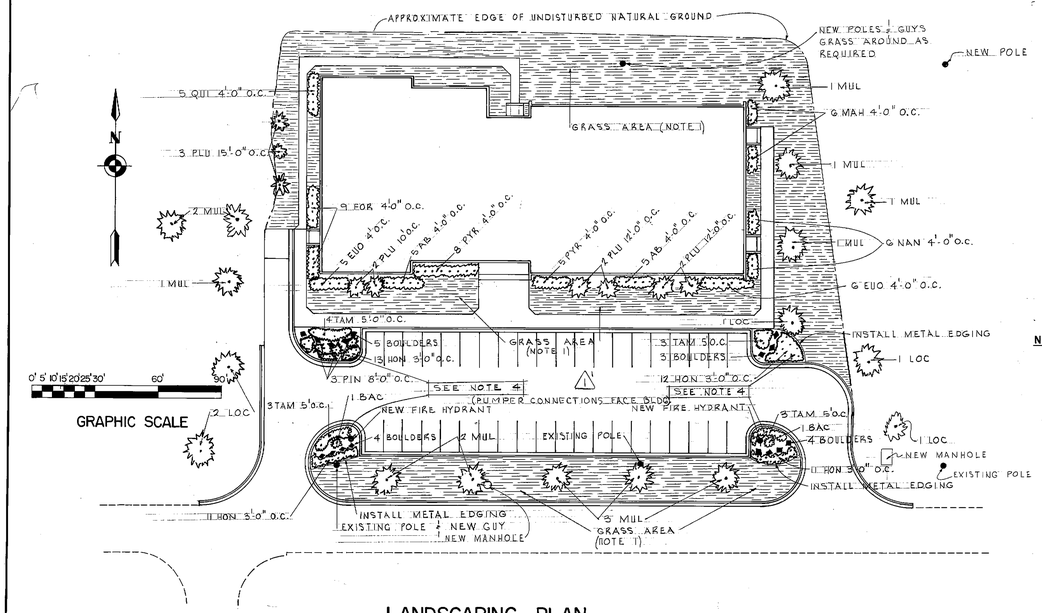
DRAWING NUMBER AS-BLT AW-16-01-37

PLATE 3

SHEET 2

585 SH-3 DRAWING OF WORK AS-BUILT

DISTRICT FILE NO. AA-IN-2/2.2



LANDSCAPING PLAN

SCALE 1" = 30'

LANDSCAPING LEGEND	
	EROSION CONTROL TREATMENT
	BOULDER
	TREE
	GROUP OF SHRUBS OR VINES
	EXISTING TREE
3 NAN 4' O.C.	3 = NO. OF PLANTS REQ'D. NAN = VARIETY OF PLANT 4' O.C. = SPACING OF PLANTS MEASURED ON CENTERS

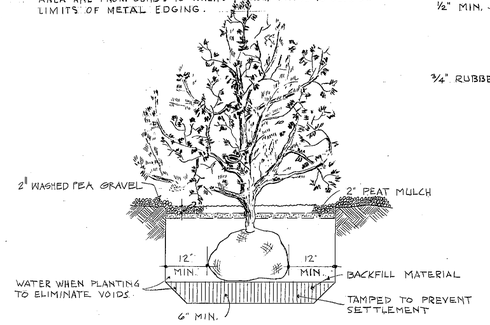
NOTES:

EROSION CONTROL TREATMENT

1. FERTILIZE, TILL, SPOT & SOD TO BERMUDAGRASS, SEED BERMUDAGRASS, WATER AND MAINTAIN.
2. ROCKS TO RANGE IN SIZE FROM 18" MIN. TO 24" MAX. IN LENGTH, WIDTH & THICKNESS
3. ALL GRADED & DISTURBED AREAS SHALL RECEIVE EROSION CONTROL TREATMENT.
4. COVER THE ENTIRE SURFACE OF THESE PLANTING AREAS W/ WASHED PEA GRAVEL TO A DEPTH OF 2". LIMITS OF GRAVELED AREA ARE FROM CURBS TO WALKS & FROM CURBS TO OUTSIDE LIMITS OF METAL EDGING.

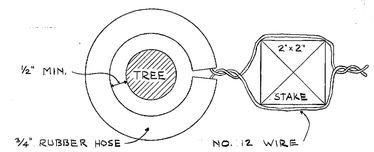
PLANT LEGEND

TOTAL	KEY	COMMON NAME	SCIENTIFIC NAME	MIN. HEIGHT	CALIBER OR SPREAD	PLANT SPACING	MANNER PREPARED	MIN. ROOT SPREAD OR BALL DIM. DEPTH	MIN. ROOT SPREAD OR BALL DIM. DIA.	MIN. PIT SIZE DEPTH	MIN. PIT SIZE DIA.	REMARKS
SHADE TREES												
12	MUL	FRUITLESS MULBERRY	MORUS ALBA	10'-12'	3/4"-2"	—	BR	14"	18"	22"	42"	
5	LOC	THORNLESS HONEYLOCUST	GLEDITSIA TRICANTHOS INERMIS	10'-12'	3/4"-2"	—	BR	14"	18"	22"	42"	
ORNAMENTAL TREES												
9	PLU	PURPLE LEAVE PLUM	PRUNUS ALLRED	5'-6'	1"-1 1/4"	—	BR	12"	16"	22"	40"	
CONIFEROUS EVERGREEN TREE												
3	PIN	PINON PINE	PINUS CAMBROIDES EDUNS	4'-5'	2'-2 1/2'	—	B & B	14"	18"	22"	42"	SPECIMEN PLANTS
SHRUBS												
2	BAC	DATIL YUCCA (BROAD LEAF)	YUCCA BACCATA	12"	16"	-	B&B 4 GAL.C	9"	11"	17"	35"	
13	PYR	LALAND FIRETHORN	PYRACANTHA COCCINEA LALAND	3'-4'	2 1/2'	4'	B&B 4 GAL.C.	9"	11"	17"	35"	STAKED
13	TAM	SAVIN JUNIPER	JUNIPERUS SABINA TAMARISCIFOLIA	1'-1 1/2'	2'	5'	B&B 4 GAL.C.	9"	11"	17"	35"	
9	FOR	WEEPING FORSYTHIA	FORSYTHIA SUSPENSA FORTUNEI	2'-2 1/2'	3'	4'	BR	9"	11"	17"	35"	
5	QUI	JAPANESE FLOWERING QUINCE	CHAENOMELES LAGENARIA	2'-3'	2'	4'	BR	9"	11"	17"	35"	
10	AB	GLOSSY ABELIA	ABELIA GRANDIFLORA	2'-2 1/2'	2 1/2"	4'	B&B 4 GAL.C	9"	11"	17"	35"	
6	NAN	NANDINA	NANDINA DOMESTICA	2'-2 1/2'	16"	4'	B&B 4 GAL.C.	9"	11"	17"	35"	
6	MAH	OREGON GRAPE	MAHONIA AQUIFOLIUM	2'-2 1/2'	16"	4'	B&B 4 GAL.C.	9"	11"	17"	35"	
11	EUO	EVERGREEN EUONYMOUS	EUONYMOUS JAPONICA	2'-2 1/2'	16"	4'	B&B 4 GAL.C.	9"	11"	17"	35"	
GROUND COVER												
47	HON	PURPLE JAPANESE HONEYSUCKLE	LONICERA JAPONICA CHINENSIS	6"	18"	3'	1 GAL. C.	—	—	PLANT BEDS		



CONIFEROUS EVERGREEN

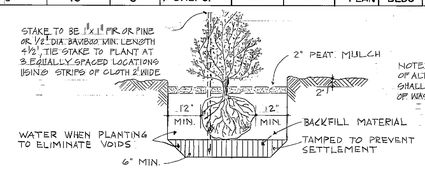
NOT TO SCALE



PLAN

DETAIL SHOWING TYING OF TREE TO SINGLE STAKE

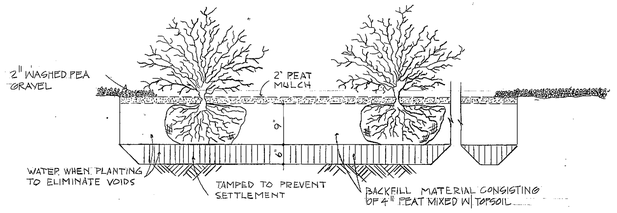
NOT TO SCALE



NOTE: THE SURFACE OF ALL SAUCERS FOR TAM SHALL BE COVERED W/ 2" OF WASHED PEA GRAVEL

SHRUBS IN 4 GAL. CONTAINERS, BARE ROOT SHRUBS & BALLED & BURLAPPED SHRUBS

NOT TO SCALE

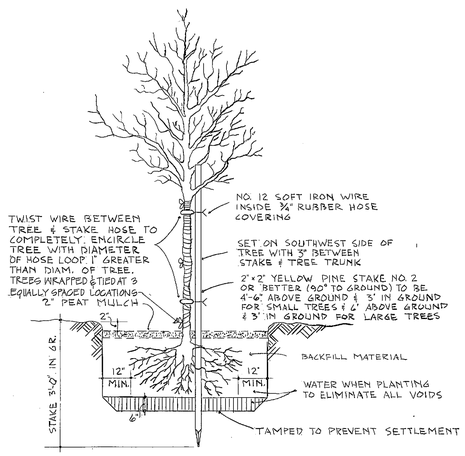


TYPICAL PLANTING BED FOR GROUND COVERS

NOT TO SCALE

NOTES:

1. B & B DENOTES BALLED AND BURLAPPED
2. BR DENOTES BARE ROOT
3. C DENOTES CONTAINER – 4 GAL. UNLESS OTHERWISE NOTED
4. PB DENOTES PLANT BED
5. TREES WILL NOT BE PLANTED UNDER OVERHEAD ELEC. LINES OR IN DITCHES
6. CONTRACTOR WILL EXAMINE UTILITY PLANS & AVOID UTILITIES
7. NUMBER OF PLANTS & SPACINGS WILL GOVERN SIZE OF PLANTING AREA
8. ONLY TOPSOIL FREE FROM NOXIOUS PLANTS EXCAVATED FROM PITS AND BEDS WILL BE ACCEPTABLE FOR USE AS BACKFILL MATERIAL (SEE SPECIFICATIONS)
9. IN CASE OF A DISCREPENCY BETWEEN TOTALS OF PLANTS SHOWN UNDER PLANT LEGEND AND THE QUANTITIES OF PLANTS SHOWN ON THE LANDSCAPING PLANS, THE NUMBER OF PLANTS SHOWN ON THE PLANS SHALL BE FURNISHED & PLANTED
10. PINION PINE WILL NOT REQUIRE STAKING.



SECTION STAKING BAREROOT TREES

NOT TO SCALE

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
1	REVISED AS-BUILT	9APR'69	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: C. of E.
DRAWN BY: T.M.
CHECKED BY: J.G.O.
PREPARED BY: Earl L. Crawford
ARCHITECT - ENGINEER
SUBMITTED BY: N. K. Orendorff
CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: [illegible]
CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner
Lt. Col. C.E.
Deputy District Engineer
DATE DEC 196[illegible]

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

LANDSCAPE PLAN AND DETAILS

SCALE: AS SHOWN

DACA 47-67-B-0061

DRAWING NUMBER AS-BLT AW-16-10-10

PLATE 3A

SHEET 1

EQUIPMENT SCHEDULE

RM	No. ON PLAN	QUANTITY	DESCRIPTION	OPERATIONAL CRITERIA	STATUS
GYMNASIUM	G-1	12 SECT	BLEACHERS, FOLDING TYPE	SEATING-840MIN @ 16"	CO/CO
	G-2	2	BBBS, GLASS W/SUP. FRAME	FORWARD FOLDING TYPE	CO/CO
	G-3	4	BASKETBALL BACKSTOP, FAN SHAPE METAL, W/ SUPPORTING FRAME	FIXED TYPE	CO/CO
	G-4	2-SET	VOLLEYBALL NET & POSTS	PORTABLE TYPE	AF/AF
	G-5	1	CLOCK, ELECTRIC		AF/AF
	G-6	1	SCOREBOARD, ELECTRIC	20 MIN. INDICATION, 9 NUMERAL	CO/CO
	G-7	1	SCORER'S TABLE		AF/AF
EXERCISE ROOM	E-1	4	STALL BAR	3'-0" x 8'-0", 3'-0" o.c.	AF/CO
	E-2	2	CHEST MACHINE	10 LB. WT. EACH HANDLE	AF/CO
	E-3	1	STRIKING BAG DRUM, ADJ.	42" DIAMETER	AF/CO
	E-4	1-PAIR	FLING RINGS, ADJUSTABLE		AF/CO
	E-5	4	CLIMBING ROPES	1 1/2" DIAMETER	AF/CO
	E-6	5	TRAVELING RINGS, ADJ.	7'-0" o.c.	AF/CO
	E-7	1	TRAINING BAG, ADJUSTABLE	19" DIAM., 4'-0" LONG	AF/CO
	E-8	1	HORIZONTAL BAR ADJUSTABLE HEIGHT	FOLD-UP TYPE 1 1/8" DIAMETER	AF/CO
	E-9	1	CLOCK, ELECTRIC		AF/AF
	E-10	2	MIRROR	30" WIDE x 72" HIGH	CO/CO
	E-11	1	BOXING RING, ROPE,	DEMOUNTABLE TYPE	AF/AF
MEN'S LOCKER	M-1	1	CLOCK, ELECTRIC		AF/AF
	M-2	102	CLOTHES LOCKERS, METAL	12" WIDE, 18" DEEP, 72" HIGH	AF/AF
WOMEN'S LOCKER	W-1	1	CLOCK, ELECTRIC		AF/AF
	W-2	15	CLOTHES LOCKERS, METAL	12" WIDE, 18" DEEP, 72" HIGH	AF/AF
LOBBY	L-1	1	BULLETIN BOARD	5'-0" x 3'-0"	CO/CO
	L-2	1	TROPHY CASE	4'-8" x 5'-0" H x 1'-0" D	CO/CO

CO/CO — CONTRACTOR FURNISHED CONTRACTOR INSTALLED; AF/CO — GOV'T FURNISHED CONTRACTOR INSTALLED; AF/AF — GOV'T FURNISHED GOV'T INSTALLED

COLOR SCHEDULE

ROOM	WALLS	CEILINGS	FLOOR	DOOR & TRIM	REMARKS
1	A & Y	*B	—	C	*EXPOSED STRUCTURE-B
2	A	B	—	C	
3	A	B	Z	C	
4	A	B	Z	C	
5	A	B	—	C	
6	A	B	Z	C	
7	A & Y	B	X	C	
8	A & Y	B	—	C	
9	A	B	—	C	
10	A	B	—	C	
11	Y	B	X	—	
12	A & Y	B	X	C	
13	Y	B	Q	C	
14	A	B	—	C	
15	A & Y	B	X	C	
16	A & Y	B	X	C	
17	A & Y	B	X	C	
18	A	B	—	C	
19	A & Y	B	X	C	
20	A & Y	B	X	C	
21	A	B	—	C	
22	WHITE FLAT ENAMEL-SEE SPECS.	*WHITE FLAT ENAMEL-SEE SPECS.	— 1	WHITE FLAT ENAMEL-SEE SPECS.	*EXPOSED DUCTS-WHITE
23	WHITE FLAT ENAMEL-SEE SPECS.	*WHITE FLAT ENAMEL-SEE SPECS.	— 1	WHITE FLAT ENAMEL-SEE SPECS.	*EXPOSED DUCTS-WHITE
24	A	*B	—	C	*EXPOSED STRUCTURE AND EXPOSED DUCTS-B
25	WHITE	*WHITE	WHITE 1	WHITE	*EXPOSED STRUCTURE AND EXPOSED DUCTS-B
26	A	B	—	C	
27 & 28	A & Y	B	X	—	

NO.	FED. STD. COLOR
A	34558
B	37886
C	24260

EXTERIOR COLOR SCHEDULE

WALLS: 33531
TRIM: 20219

1 6

COLORS OF FOLLOWING TO MATCH No. AS CLOSELY AS POSS.

X	KEYSTONE RIDGEWAY CO. #401 TRITEX GREEN MIST
Y	GSU. ARKETEX DS-85 WILLOW GREEN SATIN
Z	RUBEROID C-9 MARBLEIZED WARM GRAY
Q	QUARRY TILE SUMMITVILLE SUNGLO #11

ROOM FINISH SCHEDULE

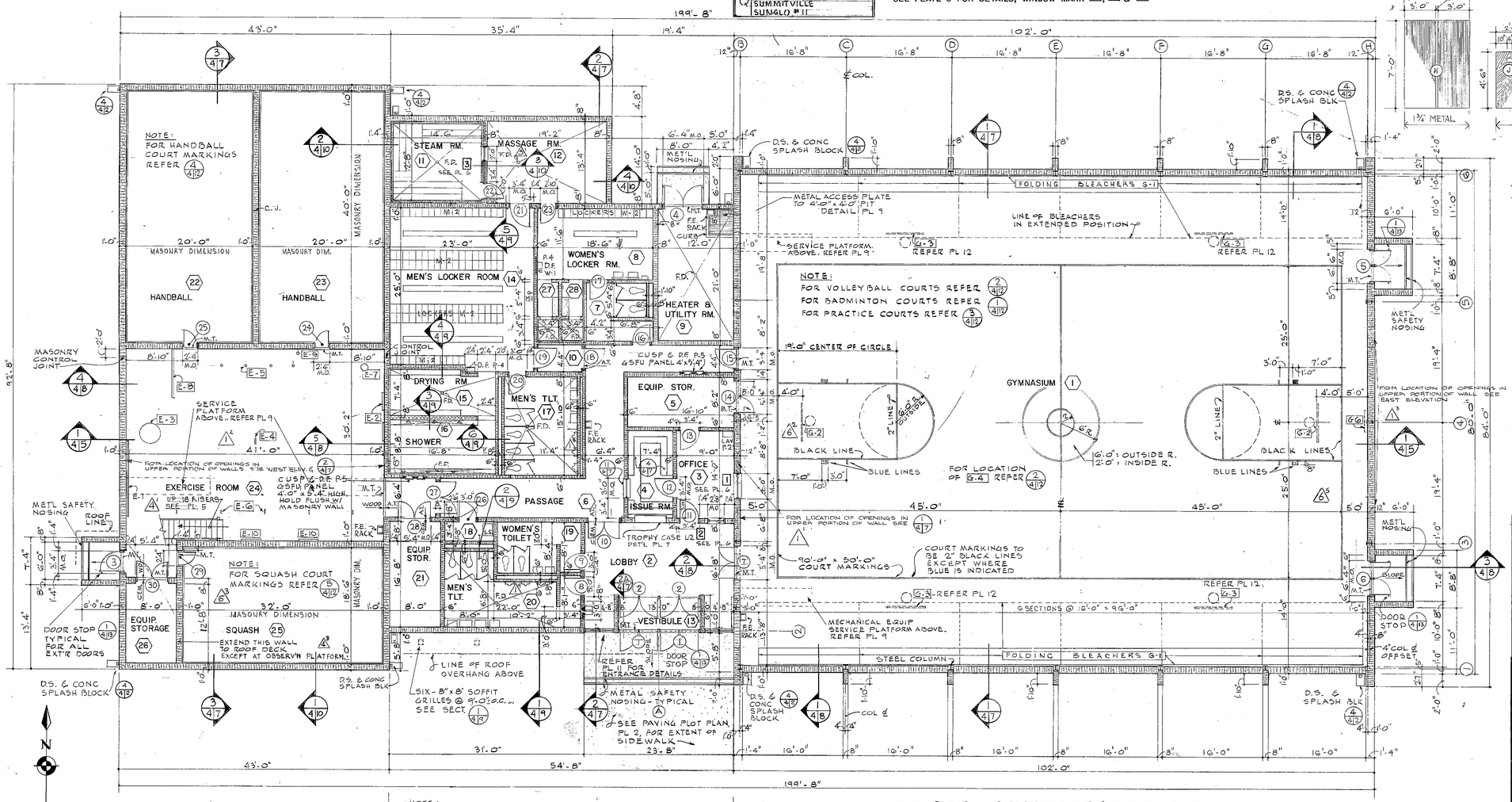
NO.	ROOM NAME	FLOOR	BASE	WN'SC'T	WN'SC'T HEIGHT	WALL	CEILING	CEILING HEIGHT	REMARKS
1	GYMNASIUM	WOOD	*ALUM.	GSU	5'-4"	CMU	EXPOSED	24' CL.	*2x3x1/4" ALUM. ∠
2	LOBBY	3CEM.	GSU	NONE	—	CMU	1/2" GYP. BD.	10'-0"	
3	OFFICE (FIRST AID)	A.T.	GSU	NONE	—	CMU	1/2" GYP. BD.	8'-0"	
4	ISSUE ROOM	A.T.	GSU	NONE	—	*CMU	1/2" GYP. BD.	8'-0"	*PLYWD. SC. WALL
5	EQUIPMENT STORAGE	3CEM.	GSU	NONE	—	CMU	1/2" GYP. BD.	10'-0"	
6	PASSAGE	A.T.	GSU	NONE	—	CMU	1/2" GYP. BD.	8'-0"	
7	WOMEN'S TOILET-1	C.T.	GSU	GSU	4'-0"	CMU	1/2" GYP. BD.	8'-0"	
8	WOMEN'S LOCKER RM.	3CEM	2GSU	2GSU	4'-0"	CMU	1/2" GYP. BD.	8'-0"	
9	HEATER & UTILITY RM.	3CEM.	GSU	NONE	—	CMU	5/8" GYP. BD.	CONTACT	
10	VESTIBULE	3CEM.	GSU	NONE	—	CMU	1/2" GYP. BD.	8'-0"	
11	STEAM ROOM	C.T.	GSU	NONE	—	GSU	CEM. PLASTER	VARIES	
12	MASSAGE ROOM	C.T.	GSU	GSU	5'-4"	CMU	CEM. PLASTER	8'-0"	
13	VESTIBULE	Q.T.	GSU	NONE	—	GSU	1/2" GYP. BD.	10'-0"	
14	MEN'S LOCKER RM.	3CEM.	GSU	NONE	—	CMU	1/2" GYP. BD.	10'-0"	
15	DRYING ROOM	C.T.	GSU	GSU	6'-8"	CMU	CEM. PLASTER	8'-0"	
16	SHOWER	3C.T.	C.T.	GSU	6'-8"	CMU	CEM. PLASTER	8'-0"	*NON-SLIP C.T.
17	MEN'S TOILET-1	C.T.	GSU	GSU	4'-0"	CMU	1/2" GYP. BD.	8'-0"	
18	JANITOR'S CLOSET	3CEM.	GSU	NONE	—	CMU	1/2" GYP. BD.	8'-0"	
19	WOMEN'S TOILET-2	C.T.	GSU	GSU	4'-0"	CMU	1/2" GYP. BD.	8'-0"	
20	MEN'S TOILET-2	C.T.	GSU	GSU	4'-0"	CMU	1/2" GYP. BD.	8'-0"	
21	EQUIPMENT STORAGE-1	3CEM.	GSU	NONE	—	CMU	1/2" GYP. BD.	10'-0"	
22	HANDBALL COURT-1	WOOD	NONE	NONE	—	PLASTER	PLASTER	20'-0" CL.	
23	HANDBALL COURT-2	WOOD	NONE	NONE	—	PLASTER	PLASTER 2	20'-0" CL.	
24	EXERCISE ROOM	WOOD	*ALUM.	NONE	—	CMU	EXPOSED	20' CL.	*2x3x1/4" ALUM. ∠
25	SQUASH COURT	WOOD	*WOOD	NONE	—	WOOD	EXPOSED	20' CL.	*MET. TELLTALE AT EAST WALL 1
26	EQUIPMENT STORAGE-2	3CEM.	GSU	NONE	—	CMU	1/2" GYP.	CONTACT	
27	SHOWER & DRYING RM.	C.T.	C.T.	GSU	6'-8"	CMU	CEM. PLASTER	8'-0"	*NON-SLIP C.T.
28	SHOWER & DRYING RM.	C.T.	C.T.	GSU	6'-8"	CMU	CEM. PLASTER	8'-0"	*NON-SLIP C.T.

NOTES:
1. GSU BASES SHALL BE COVED WHEN USED WITH C.T. FLS., ALL OTHER GSU BASES SHALL BE STRAIGHT
2. OMIT WAINSCOT BEHIND LOCKERS IN RM. No. 8 & RETAIN GSU BASE
3. STEEL TROWELLED FINISH

NOTE:
SEE PLATE 6 FOR DETAILS, WINDOW MARK 1, 2 & 3

DOOR SCHEDULE

DOOR	SIZE	TYPE	DOOR MAT	FRAME NO.	HARDWARE	REMARKS
1	2-3'-0"x7'-0"x1 3/4"	D	STEEL	DET'L PL. 11	HW-1	WEATHERSTRIPPED
2	2-3'-0"x7'-0"x1 3/4"	D	STEEL	DET'L PL. 11	HW-18	
3	3'-0"x7'-0"x1 3/4"	B	STEEL	DH-1, DJ-4, DS-1	HW-6	WEATHERSTRIPPED-CLEAR GLASS
4	2-3'-0"x7'-0"x1 3/4"	A	STEEL	DH-2, DJ-1,	HW-2	OVERLAP TYPE ASTRAGAL
5	2-3'-0"x7'-0"x1 3/4"	K	STEEL	DH-1, DJ-4, DS-1	HW-16	WEATHERSTRIPPED
6	2-3'-0"x7'-0"x1 3/4"	K	STEEL	DH-1, DJ-4, DS-1	HW-16	WEATHERSTRIPPED
7	2-2'-6"x7'-0"x1 3/4"	E	WOOD	DH-5, DJ-4, DS-5	HW-4	NO LOUVER
8	2'-8"x7'-0"x1 3/4"	G	WOOD	DH-3, DJ-2, DS-2	HW-10	14" x 8" LOUVER
9	2'-8"x7'-0"x1 3/4"	G	WOOD	DH-3, DJ-2, DS-2	HW-10	12" x 6" LOUVER
10	2-2'-6"x7'-0"x1 3/4"	E	WOOD	DH-2, DJ-1	HW-7	14" x 8" LOUVER EACH DOOR
11	3'-0"x7'-0"x1 3/4"	H	WOOD	DH-2, DJ-1	HW-13	20" x 12" LOUVER
12	3'-0"x7'-0"x1 3/4"	G	WOOD	DH-3, DJ-2, DS-3	HW-13	14" x 8" LOUVER
13	3'-0"x7'-0"x1 3/4"	G	WOOD	DH-3, DJ-2	HW-11	14" x 8" LOUVER
14	2-2'-6"x7'-0"x1 3/4"	F	WOOD	DH-5, DJ-4	HW-3	NO LOUVER
15	3'-0"x7'-0"x1 3/4"	G	WOOD	DH-5, DJ-4, DS-5	HW-8	NO LOUVER
16	2'-8"x7'-0"x1 3/4"	G	WOOD	DH-3, DJ-2	HW-9	14" x 8" LOUVER
17	2'-8"x7'-0"x1 3/4"	G	WOOD	DH-3, DJ-2	HW-10	NO LOUVER
18	3'-0"x7'-0"x1 3/4"	G	WOOD	DH-3, DJ-2, DS-3	HW-9	14" x 8" LOUVER
19	3'-0"x7'-0"x1 3/4"	G	WOOD	DH-3, DJ-2	HW-10	14" x 8" LOUVER
20	2'-8"x7'-0"x1 3/4"	G	WOOD	DH-2, DJ-1, DS-2	HW-10	14" x 8" LOUVER
21	3'-0"x7'-0"x1 3/4"	C	STEEL	DH-2, DJ-1	HW-15	14 x 8" LOUVER
22	2'-8"x7'-0"x1 3/4"	C	*ALUMINUM	DH-4, DJ-3, DS-4	HW-5	WEATHERSTRIPPED—*ALUMINUM FRAME
23	2'-6"x7'-0"x1 3/4"	C	STEEL	DH-2, DJ-1	HW-15	14" x 8" LOUVER
24	2'-0"x4'-6"x1 3/4"	J	WOOD	DH-6, DJ-5, DS-6	HW-14	SEE VIEW WINDOW DETAILS-PLATE 11
25	2'-0"x4'-6"x1 3/4"	J	WOOD	DH-6, DJ-5, DS-6	HW-14	SEE VIEW WINDOW DETAILS-PLATE 11
26	2'-8"x7'-0"x1 3/4"	G	WOOD	DH-2, DJ-1	HW-12	12" x 6" LOUVER
27	2-2'-6"x7'-0"x1 3/4"	E	WOOD	DH-2, DJ-1	HW-17	NO LOUVER
28	2-2'-6"x7'-0"x1 3/4"	F	WOOD	DH-2, DJ-1	HW-3	10" x 4" LOUVER
29	2'-0"x4'-6"x1 3/4"	J	WOOD	2 3 DH-7, DJ-6, DS-6	HW-14	SEE VIEW WINDOW DETAILS-PLATE 11
30	2-2'-6"x7'-0"x1 3/4"	F	WOOD	DH-2, DJ-1	HW-3	10" x 4" LOUVER EACH DOOR
				SEE PLATE 11 FOR DOOR FRAME DETAILS		



FLOOR PLAN

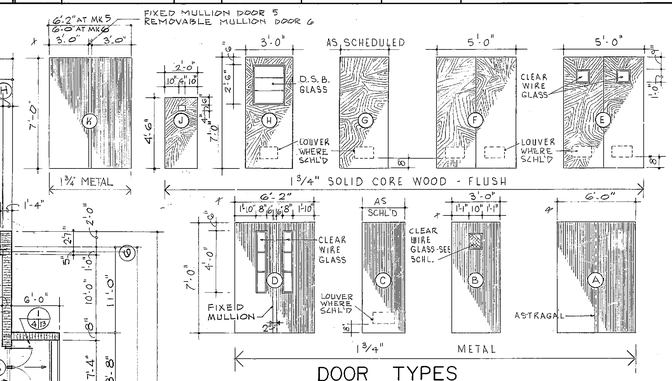
SCALE: 1/8" = 1'-0"

NOTE: SEE PLATE 6 FOR LARGE SCALE PLAN, THIS AREA

NOTE: EXTEND MASONARY WALLS TO ROOF DECK AT FOLLOWING AREAS HEATER RM 9, PASSAGE RM 6, SQUASH RM 25 BALL PIPE CHASES EXTEND ALL OTHER WALLS OF LOW BAY AREA TO BOTTOM OF JOISTS

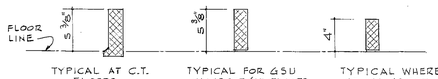
NOTE: FLOOR LINE ELEVATION 100'-0" AS SHOWN ON GENERAL DRAWINGS, CORRESPONDS WITH ACTUAL ELEVATION 5333.50' AS SHOWN ON PLOT PLAN. SEE PLATE 18 "LINTEL SCHEDULE"

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.



DOOR TYPES

SCALE 1/4" = 1'-0"



GSU BASE TYPES

SCALE: NONE

SEE ROOM FINISH SCHEDULE FOR LOCATIONS

SCALE 1/8" = 1'-0" 0 1 2 3 4 5 6 7 8 16 24

SCALE 1/4" = 1'-0" 0 1 2 3 4 8 12

GRAPHIC SCALES

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
5	REVISED AS-BUILT	9 APR '69	
4	REVISED COLOR SCHEDULE	26 MAR 68	
3	ADDED STAIR & NOTE IN RMS. 24 & 25, REVISED FIN. SCHED.	11 DEC. 67	
2	ADDED FLOOR DRAIN IN ROOM 12	12 SEPT 67	
1	REVISED COLOR, ROOM FINISH & DOOR SCHEDULES	27 JULY 67	
0	ADDED WALL OPENINGS IN GYM & EXERCISE ROOMS MOVED SERVICE PLATFORMS, DELETED URINAL SCREENS	20-3-67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: JGO
DRAWN BY: JGO - DLC
CHECKED BY: D.L.C
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, LT. COLONEL, C.E., Deputy District Engineer
DATE: DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

FLOOR PLAN & SCHEDULES

SCALE: AS SHOWN

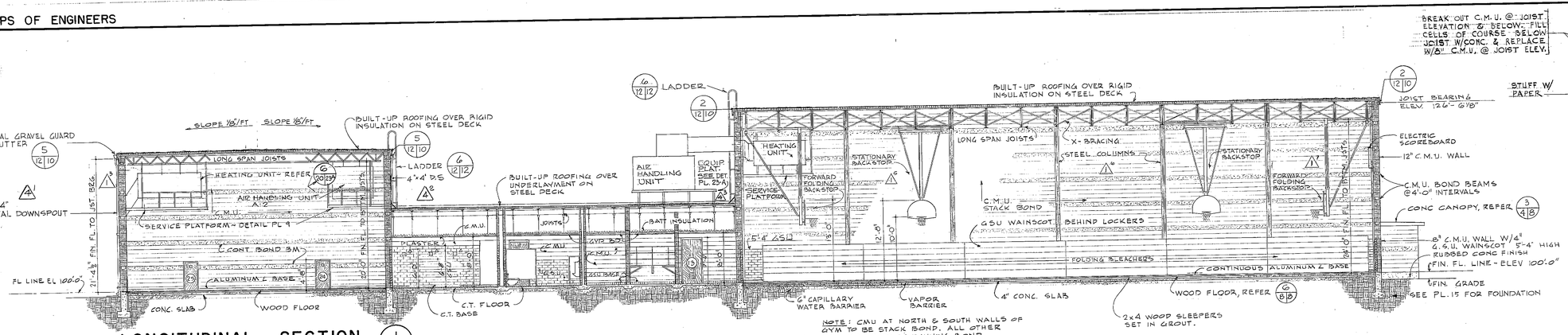
DACA 47-67-B-0061

DRAWING NUMBER AS-BLT. AW-31-06-02

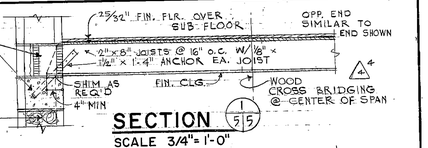
PLATE 4

SHEET 1

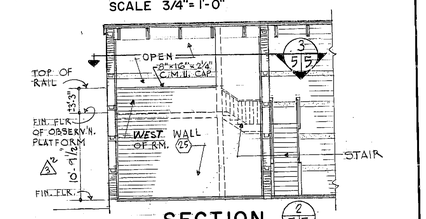
BLDG. 585 SH-5 DRAWING OF WORK AS-BUILT DISTRICT FILE NO. AA-IN-4/1.6



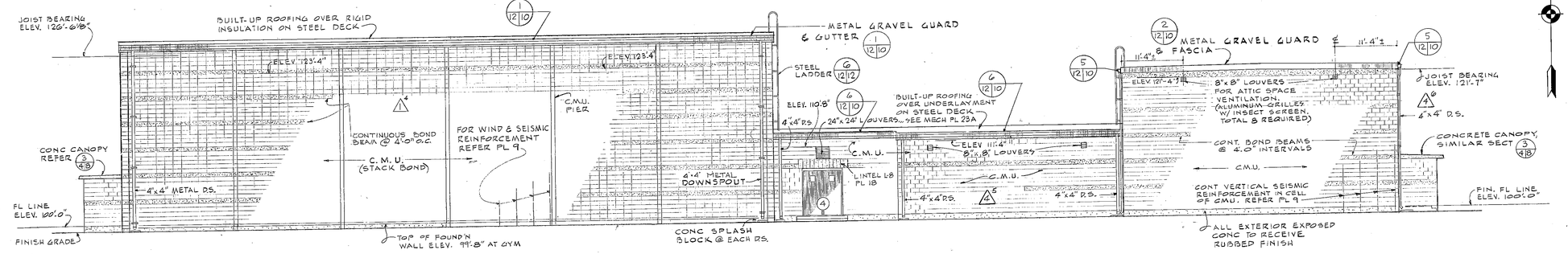
LONGITUDINAL SECTION
SCALE 1/8"=1'-0"



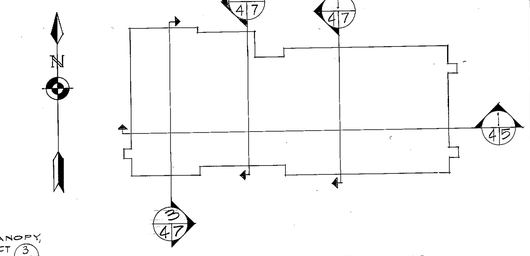
SECTION
SCALE 3/4"=1'-0"



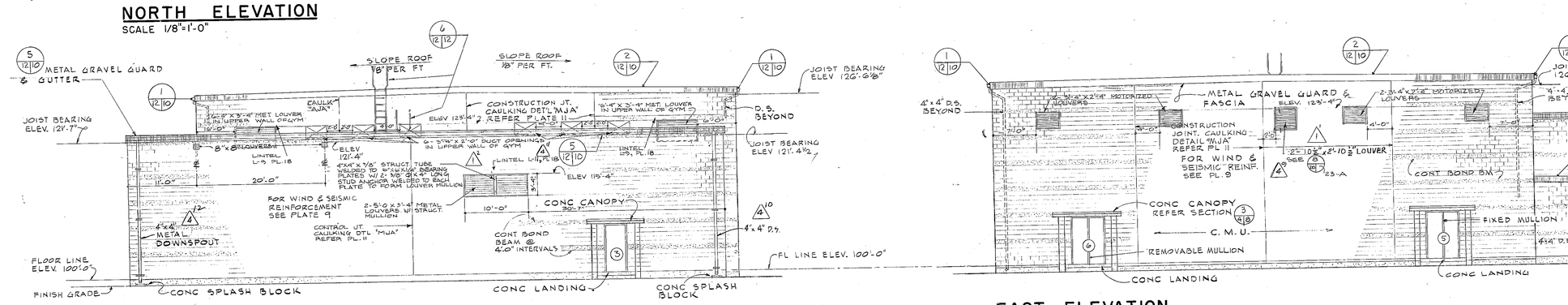
SECTION
SCALE 1/8"=1'-0"



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

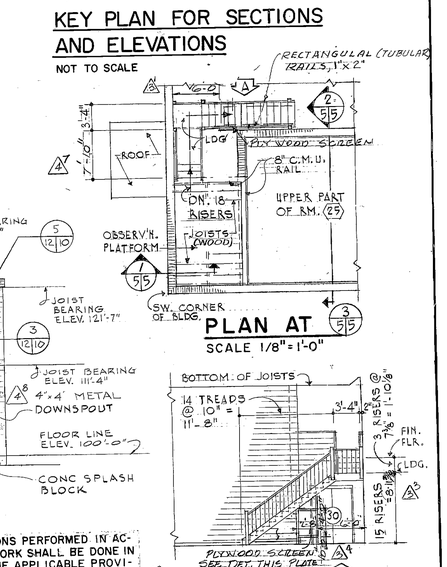


KEY PLAN FOR SECTIONS AND ELEVATIONS
NOT TO SCALE



WEST ELEVATION
SCALE 1/8"=1'-0"

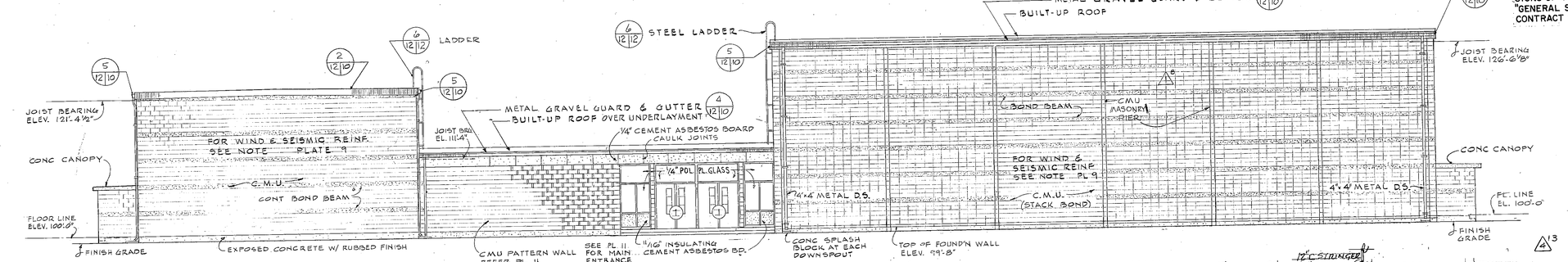
EAST ELEVATION
SCALE 1/8"=1'-0"



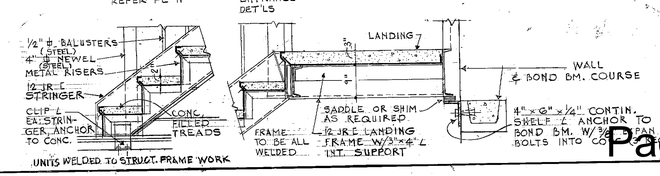
PLAN AT
SCALE 1/8"=1'-0"

ELEVATION A
SCALE 1/8"=1'-0"

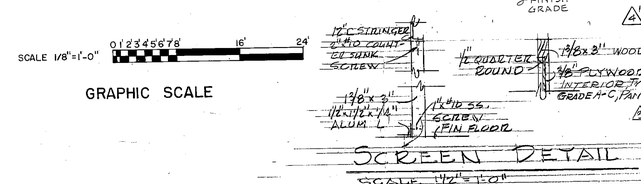
NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.



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



STAIR DETAILS
SCALE 3/4"=1'-0"



SYMBOL	DESCRIPTIONS	DATE	APPROVAL
13	REVISED AS-BUILT	9APR69	
12	ADDED SCREEN & REVISED DIMENSIONS	18 JAN 68	
11	ADDED OBSERVATION PLATFORM, STAIR & STAIR DETAILS	11 DEC. 67	
10	LOCATED WALL OPNG'S IN EAST & WEST ELEVS. REMOVED LOUVERS IN NORTH & SOUTH ELEVS. CORRECTED LONGITUDINAL SECTION	29-5-67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

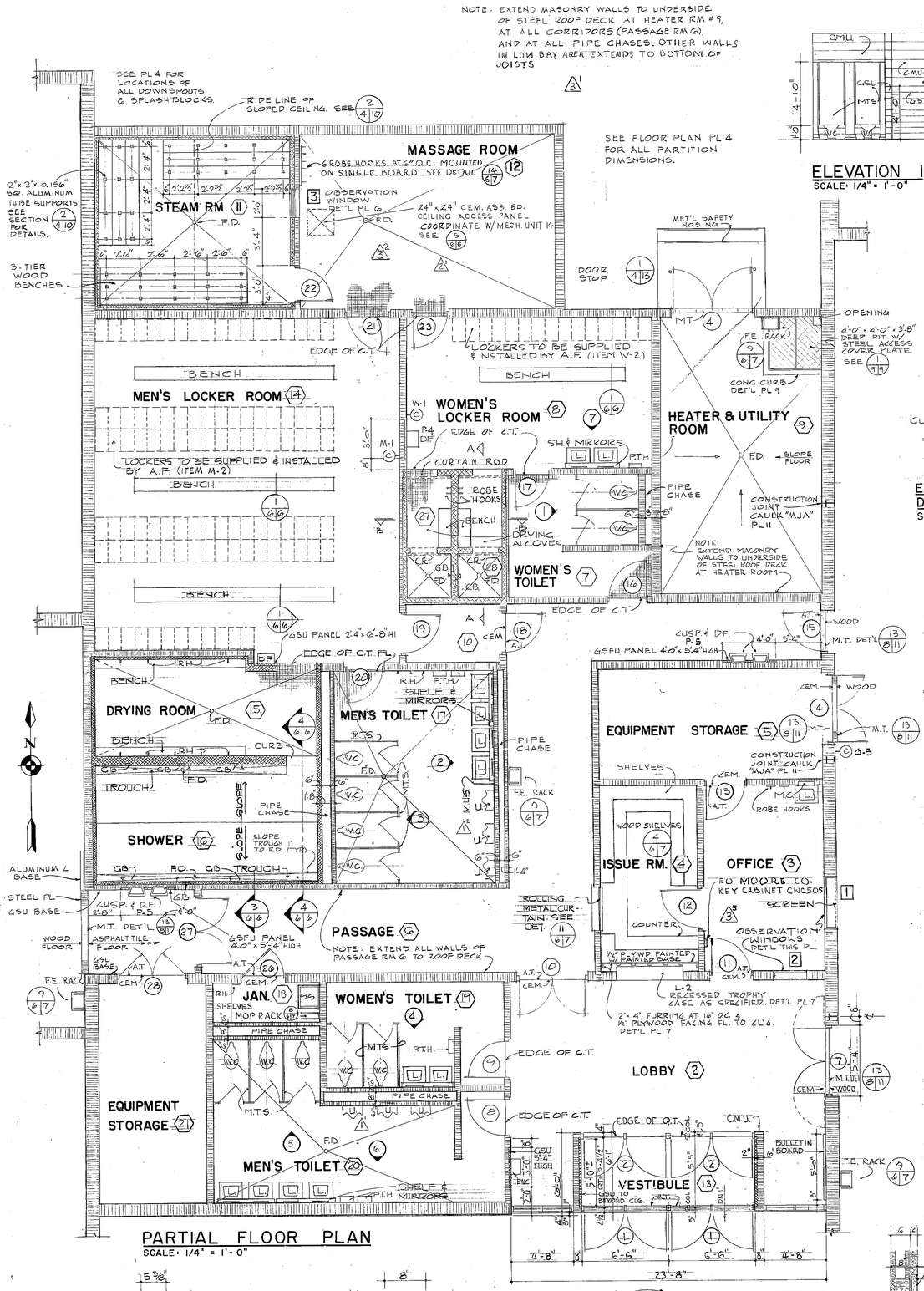
DESIGN BY: JGO
DRAWN BY: JGO
CHECKED BY: DLC
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Lt. Col., C.E. Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)
ELEVATIONS & BUILDING SECTION

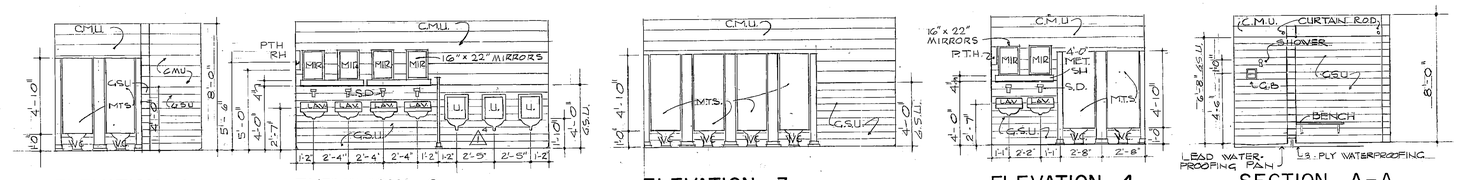
SCALE: AS SHOWN
DACA 47-67-B-0061
DRAWING NUMBER AS-BLT AW-31-06-02
PLATE 5
SHEET 2

585 SH-6 DRAWING OF WORK AS-BUILT

DISTRICT FILE NO. AA-IN -4/2.4



PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"



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

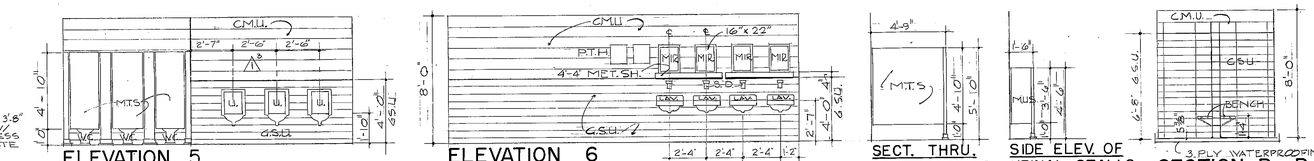
ELEVATION 2
SCALE: 1/4" = 1'-0"

ELEVATION 3
SCALE: 1/4" = 1'-0"

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

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

NOTE:
ALL METAL TOILET PARTITIONS SHALL BE SPACED 2'-8" O.C.



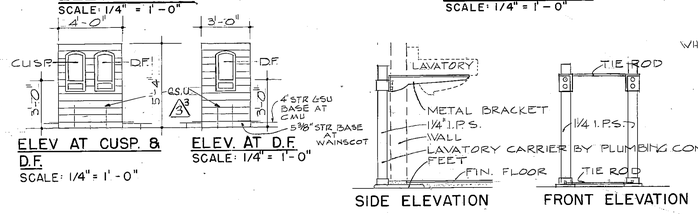
ELEVATION 5
SCALE: 1/4" = 1'-0"

ELEVATION 6
SCALE: 1/4" = 1'-0"

SECT. THRU. TOIL. STALLS
SCALE: 1/4" = 1'-0"

SIDE ELEV. OF URINAL STALLS
SCALE: 1/4" = 1'-0"

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



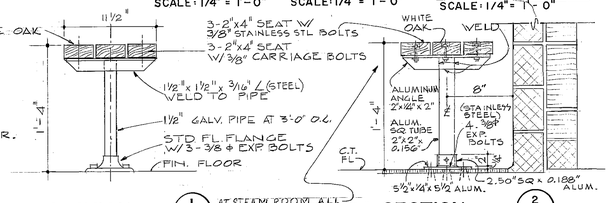
ELEV AT CUSP. & D.F.
SCALE: 1/4" = 1'-0"

ELEV. AT D.F.
SCALE: 1/4" = 1'-0"

SIDE ELEVATION

FRONT ELEVATION

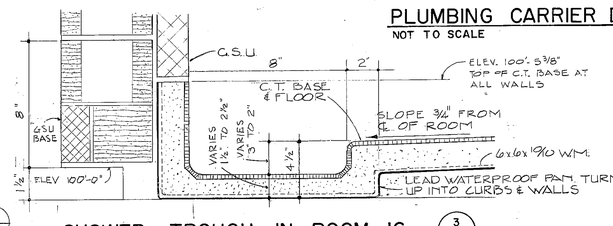
PLUMBING CARRIER DETAIL
NOT TO SCALE



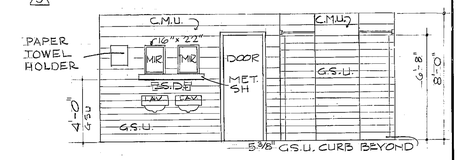
SECTION
SCALE: 1 1/2" = 1'-0"
LOCKER BENCH

AT STEAM ROOM, ALL BOLT HEADS TO BE COUNTER-SUNK, ALL WOOD TO BE SANDED SMOOTH & LEFT UNFINISHED.

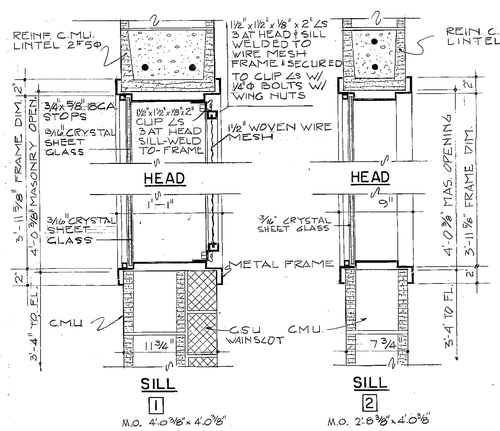
SECTION
SCALE: 1 1/2" = 1'-0"
BENCH IN DRYING RM.
SEE SECT FOR STEAM RM.



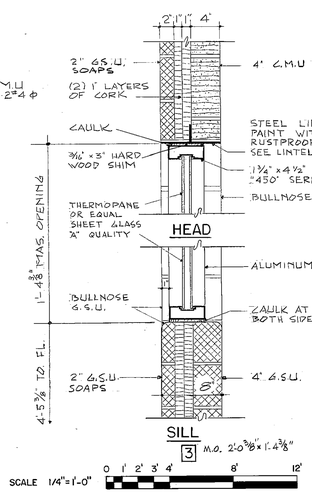
SHOWER TROUGH IN ROOM 16
NOT TO SCALE

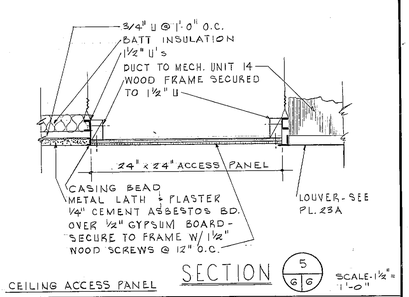


ELEVATION 7
SCALE: 1/4" = 1'-0"

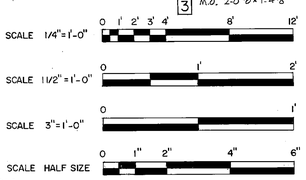


OBSERVATION WINDOW DETAILS
SCALE: 1 1/2" = 1'-0"

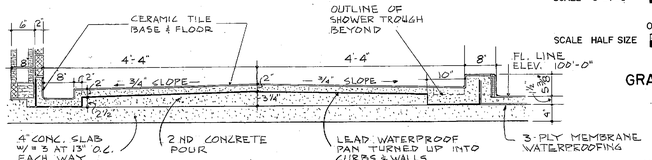




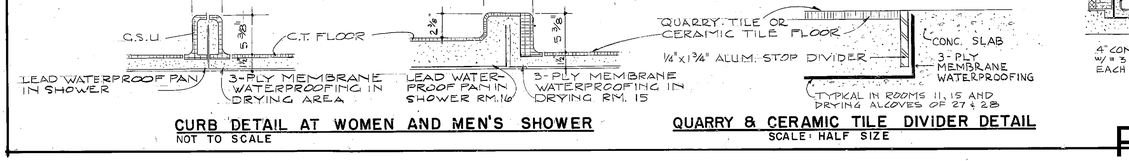
CEILING ACCESS PANEL SECTION
SCALE: 1 1/2" = 1'-0"



GRAPHIC SCALES



SECTION
SCALE 3/4" = 1'-0"



CURB DETAIL AT WOMEN AND MEN'S SHOWER
NOT TO SCALE

QUARRY & CERAMIC TILE DIVIDER DETAIL
SCALE: HALF SIZE

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
5	REVISED AS-BUILT	9APR'69	
4	ADDED FLOOR DRAIN IN ROOM 12	12SEPT67	
1	DELETED URINAL SCREENS & REVISED DIMENSIONS	29-5-67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

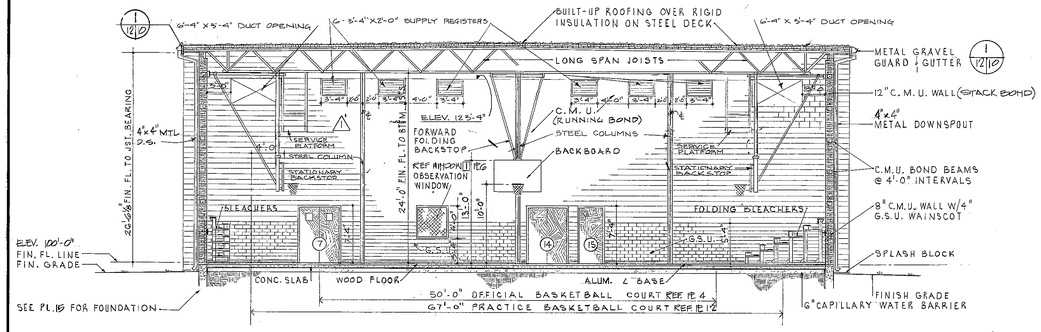
DESIGN BY: JGO
DRAWN BY: H.M. & T.M.
CHECKED BY: JGO
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Colonel, C.E., Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)
ENLARGED FLOOR PLAN & INTERIOR ELEVATIONS

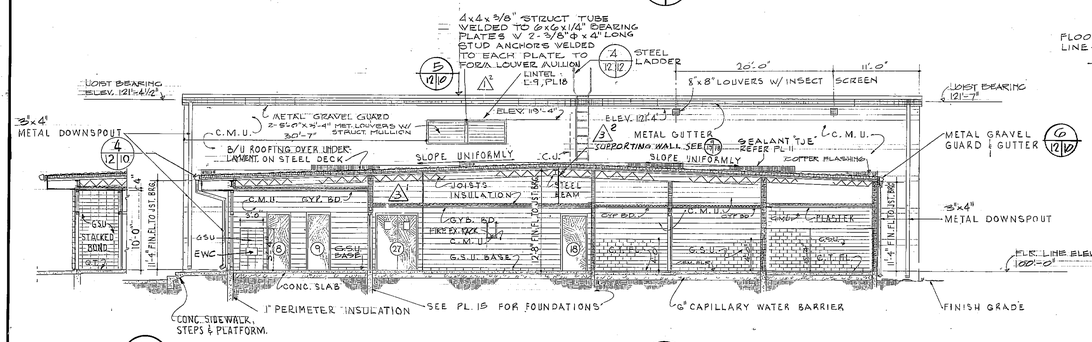
SCALE: AS SHOWN
DACA 47-67-B-0061
DRAWING NUMBER AS-BLT
AW-31-06-02
PLATE 6
SHEET 3

FILE COPY RETURN TO LIBRARY

585 SH-7 DRAWING OF WORK AS-BUILT DISTRICT FILE NO. AA-IN-4/3.3

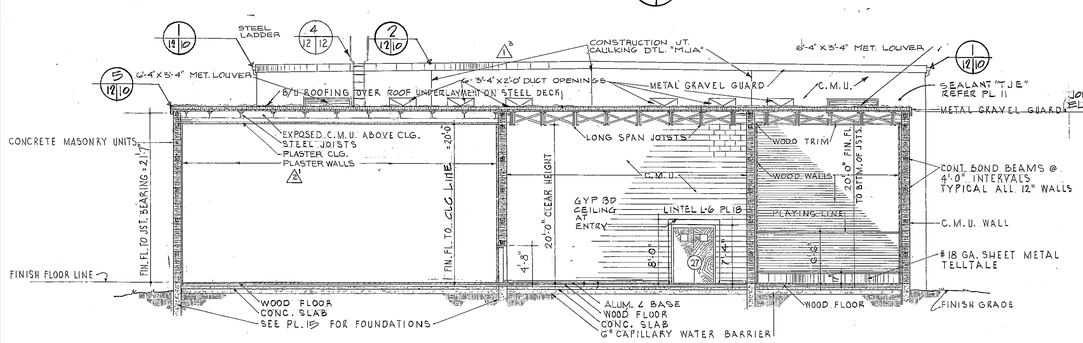


CROSS SECTION (1/4|7)
SCALE 1/8"=1'-0"

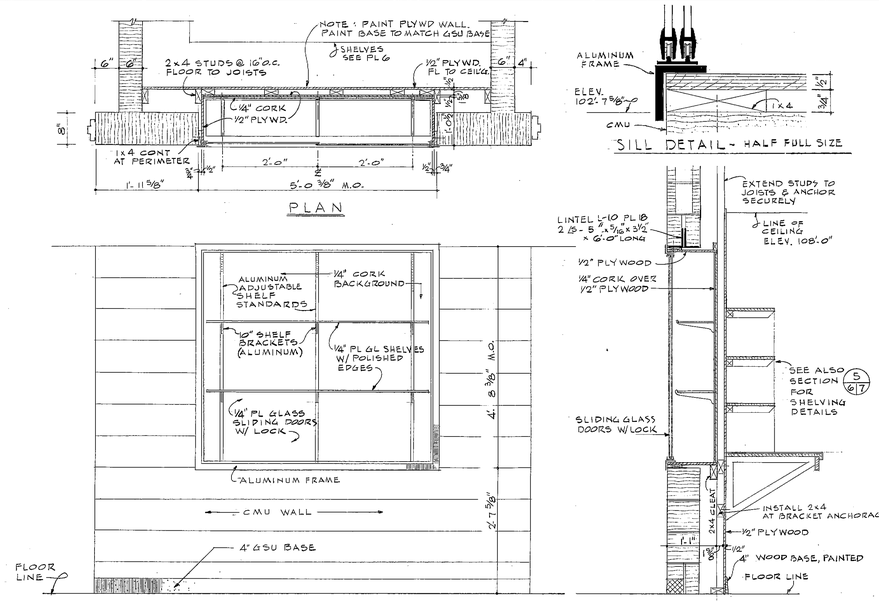


SECTION (2A|4|7)
SCALE 1/8"=1'-0"

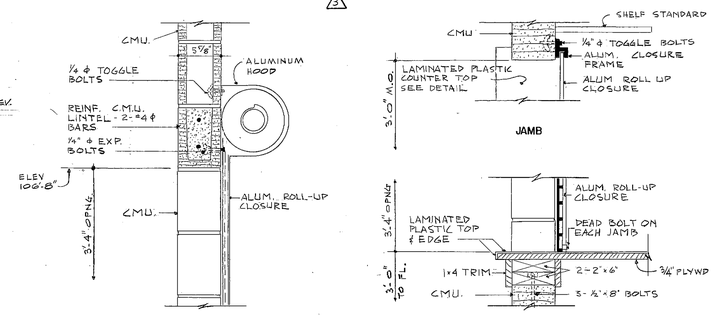
CROSS SECTION (2|4|7)
SCALE 1/8"=1'-0"



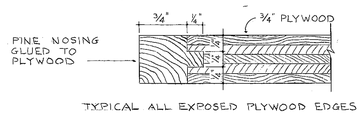
CROSS SECTION (3|4|7)
SCALE 1/8"=1'-0"



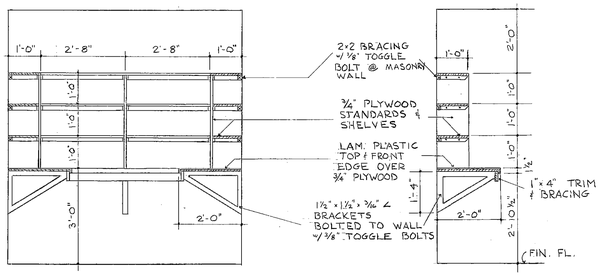
DETAILS OF TROPHY CASE AT LOBBY No. 2
SCALE: 3/4" = 1'-0" GAMCO INC. 3/3



DETAIL (11|6|7)
ROLLING METAL CURTAIN DETAILS
NOT TO SCALE

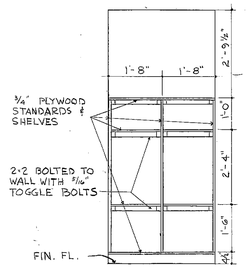


DETAIL (10|7|7)
FULL SIZE

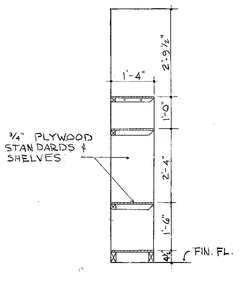


ELEVATION (4|6|7)
ROOM NO. 4
SCALE 1/2" = 1'-0"

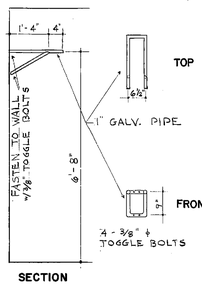
SECTION (5|6|7)
ROOM NO. 4
SCALE 1/2" = 1'-0"



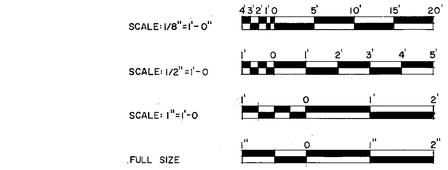
ELEVATION (6|6|7)
ROOM NO. 18
SCALE 1/2" = 1'-0"



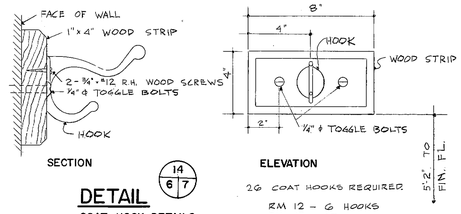
SECTION (7|7|7)
ROOM NO. 18
SCALE 1/2" = 1'-0"



MOP RACK (8|6|7)
SCALE 1/2" = 1'-0"

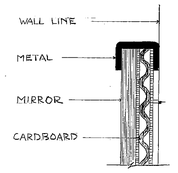


GRAPHIC SCALES

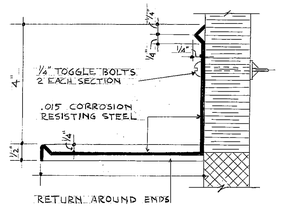


DETAIL (14|6|7)
COAT HOOK DETAILS
NOT TO SCALE

2G COAT HOOKS REQUIRED.
RM 12 - 6 HOOKS
RM 15 - 10
RM 17 - 3
RM 27 - 2
RM 28 - 2
RM 18 - 1
RM 3 - 2
SEE PLAN PL 6 FOR LOCATIONS.

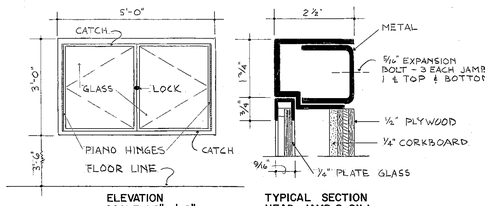


SECTION THRU MIRROR
SCALE: FULL SIZE

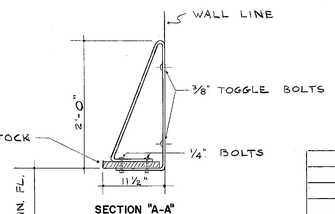


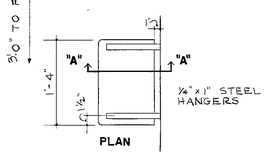
SECTION THRU METAL SHELF
SCALE: HALF FULL SIZE

DETAIL (13|6|7)
SHELF & MIRROR DETAILS
SCALE AS SHOWN



DETAIL (12|6|7)
BULLETIN BOARD DETAILS
SCALE AS SHOWN





DETAIL (9|6|7)
FIRE EXTINGUISHER RACK
SCALE 1" = 1'-0"

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
3	REVISED AS-BUILT	9APR'69	
2	REVISED WALL & CEILING FINISH IN HANDBALL COURTS CROSS SECTION 3/4	27 JULY'67	
1	ADDED DUCT OPNGS, LOUVERS & REGISTERS TO CROSS SECTIONS 1,2,3 MOVED STL. LADDER & REMOVED COPPER FLASHING IN CROSS SECTION 3	29-5-67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

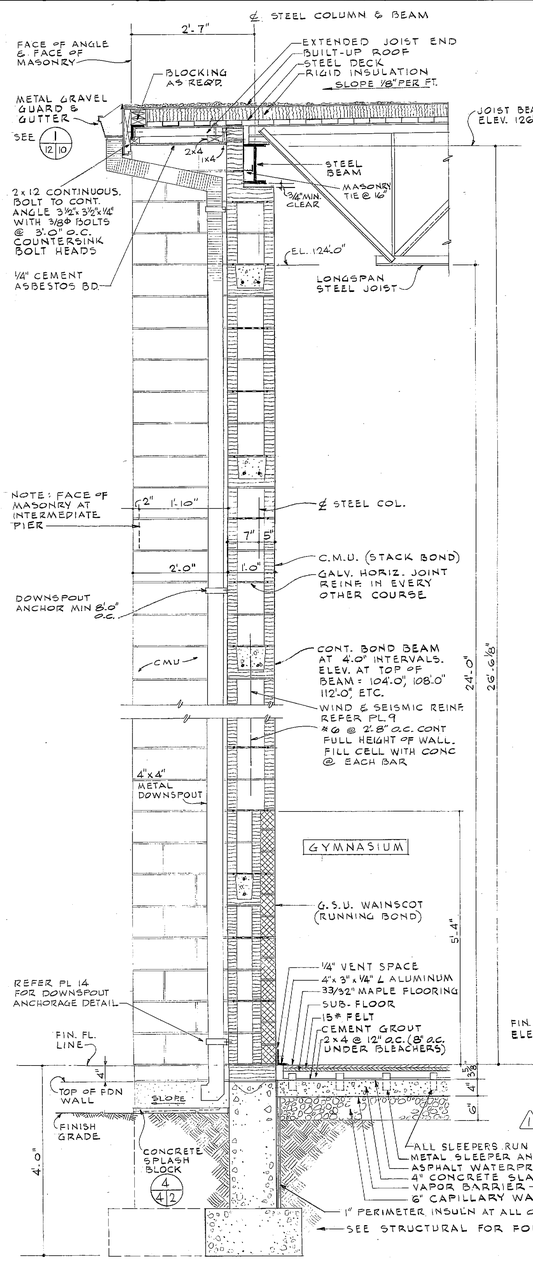
DESIGN BY: JGO
DRAWN BY: DLC & TM
CHECKED BY: JGO
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Col. C.E., Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

BUILDING SECTIONS & DETAILS

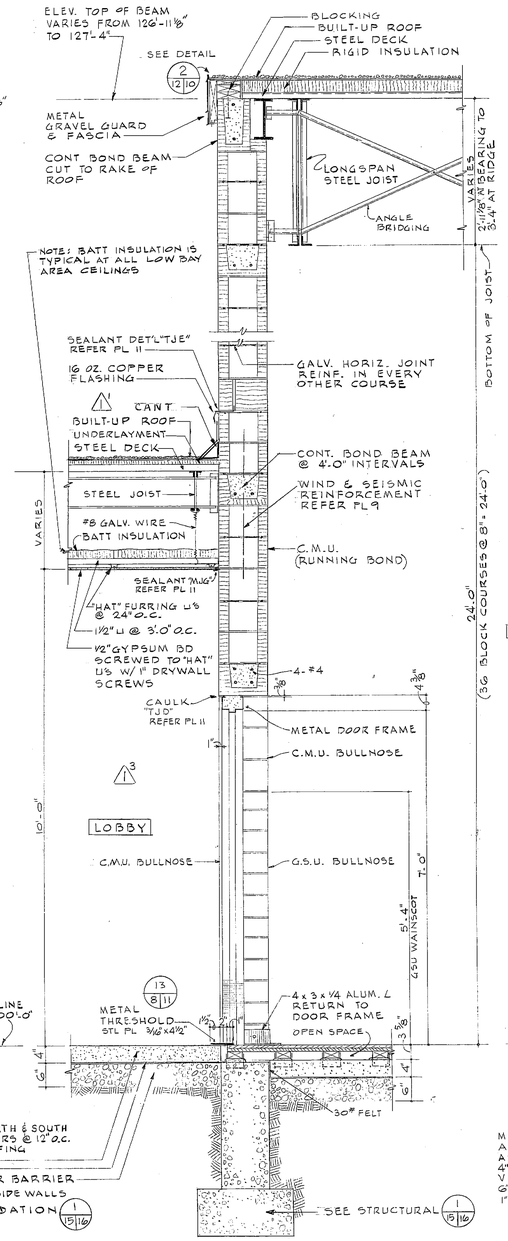
SCALE: AS SHOWN
DACA 47-67-B-0061
DRAWING NUMBER AS-BLT AW-31-06-02
PLATE 7
SHEET 4

SBS SH-8 DRAWING OF WORK AS-BUILT DISTRICT FILE NO. AA-IN-4/4.2



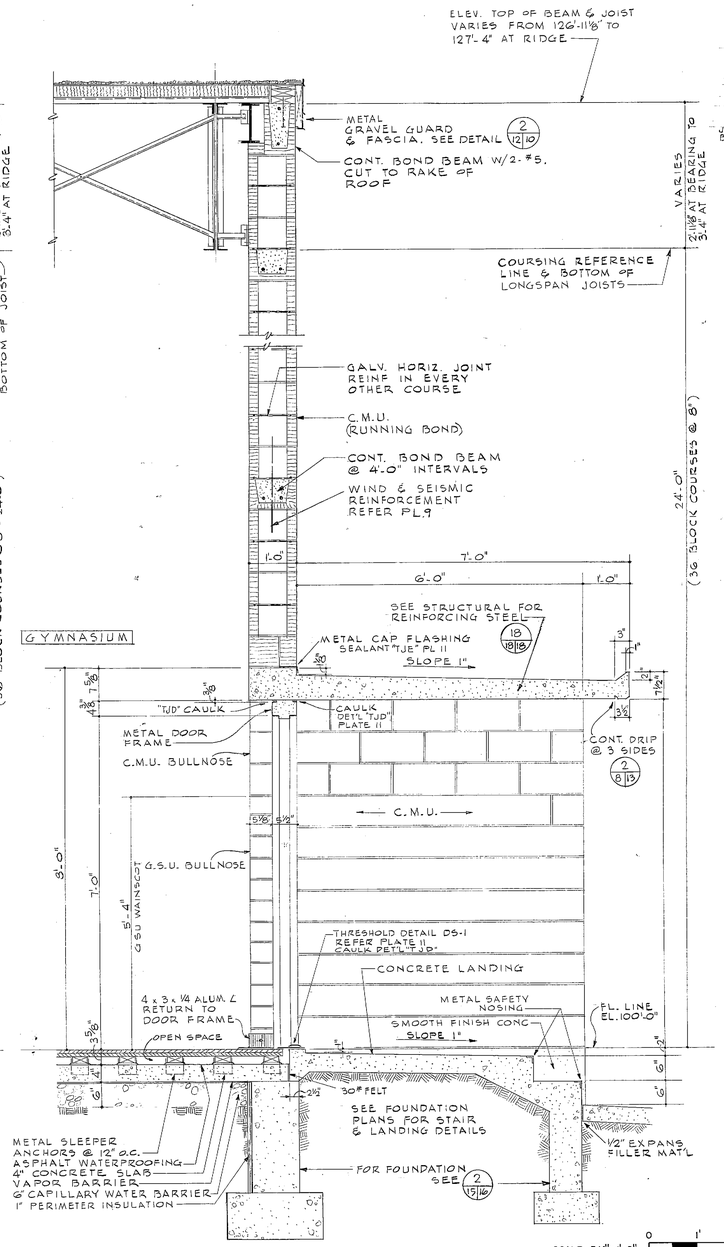
SECTION 1/4 8

SCALE 3/4" = 1'-0"



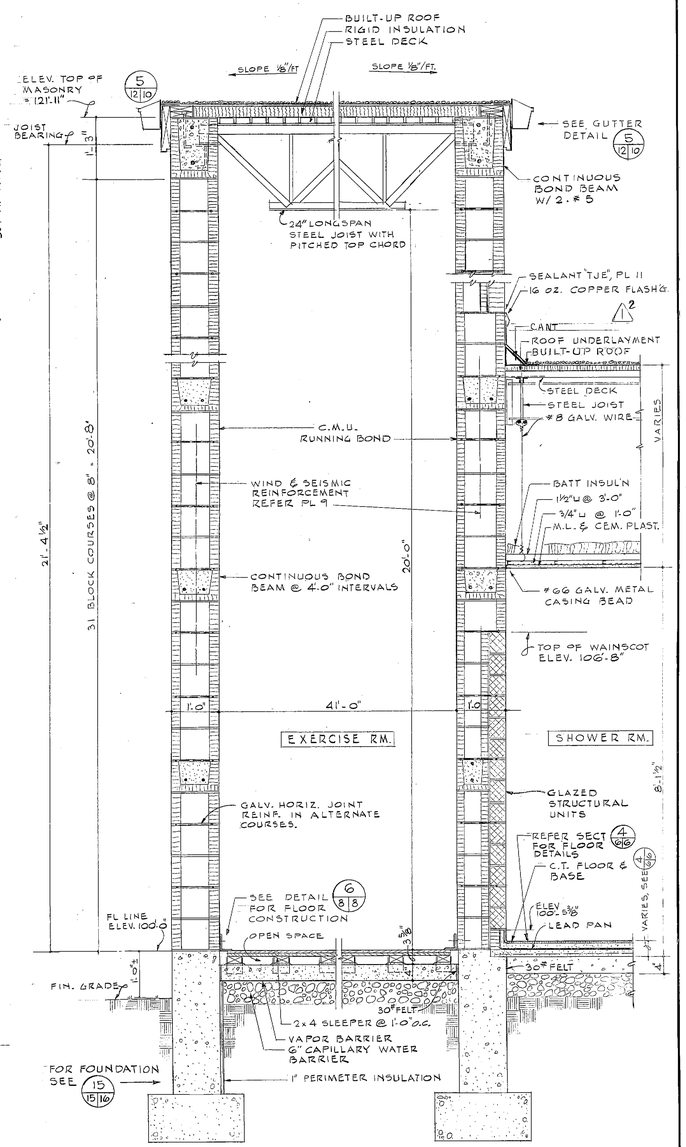
SECTION 2/4 8

SCALE 3/4" = 1'-0"



SECTION 3/4 8

SCALE 3/4" = 1'-0"



SECTION 4/6 16

SCALE 3/4" = 1'-0"

SECTION 5/4 8

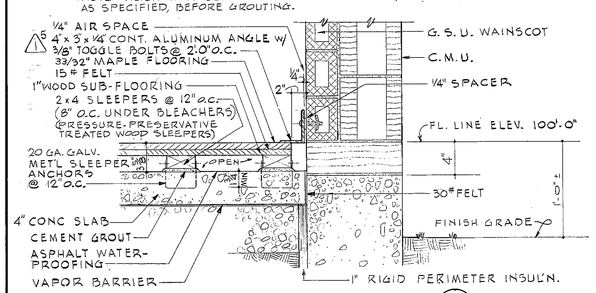
SCALE 3/4" = 1'-0"

SCALE 3/4" = 1'-0"

SCALE 1 1/2" = 1'-0"

GRAPHIC SCALES

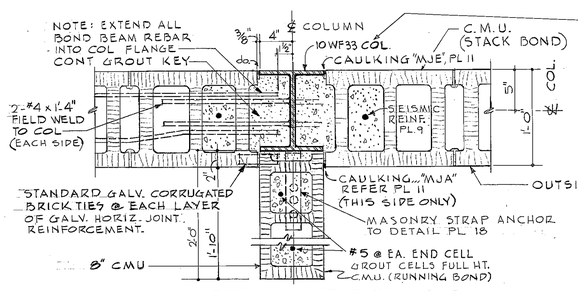
NOTE: ALIGN WOOD SLEEPERS WITH WOOD WEDGES, @ 18" O.C. AND AS SPECIFIED, BEFORE GROUTING.



GYMNASIUM FLOOR DETAIL 6/8 8

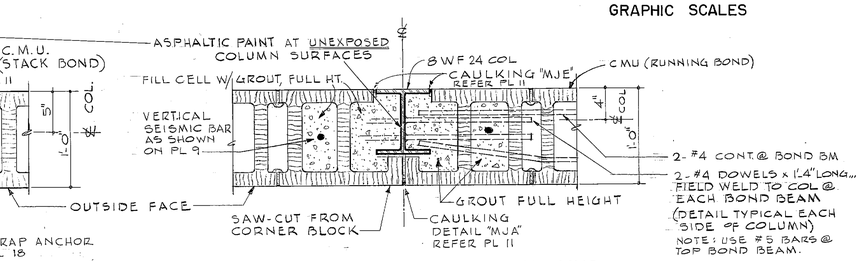
SCALE 1 1/2" = 1'-0"

FLOOR CONSTRUCTION TYPICAL ALSO FOR EXERCISE, SQUASH & HANDBALL RMS.



DETAIL AT GYM COLS.

SCALE 1 1/2" = 1'-0" TYPICAL AT COLS. MK. C1, D1, E1, F1, G1, C6, D6, E6, F6 & G6



DETAIL AT COLUMNS

SCALE 1 1/2" = 1'-0" TYPICAL AT COLS. MK. B3, B4, B5, H3, H4 & H5

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
16	REVISED AS-BUILT	9APR'69	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: JGO
DRAWN BY: JGO
CHECKED BY: DLC
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Col. C.E., Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

WALL SECTIONS & DETAILS

SCALE: AS SHOWN

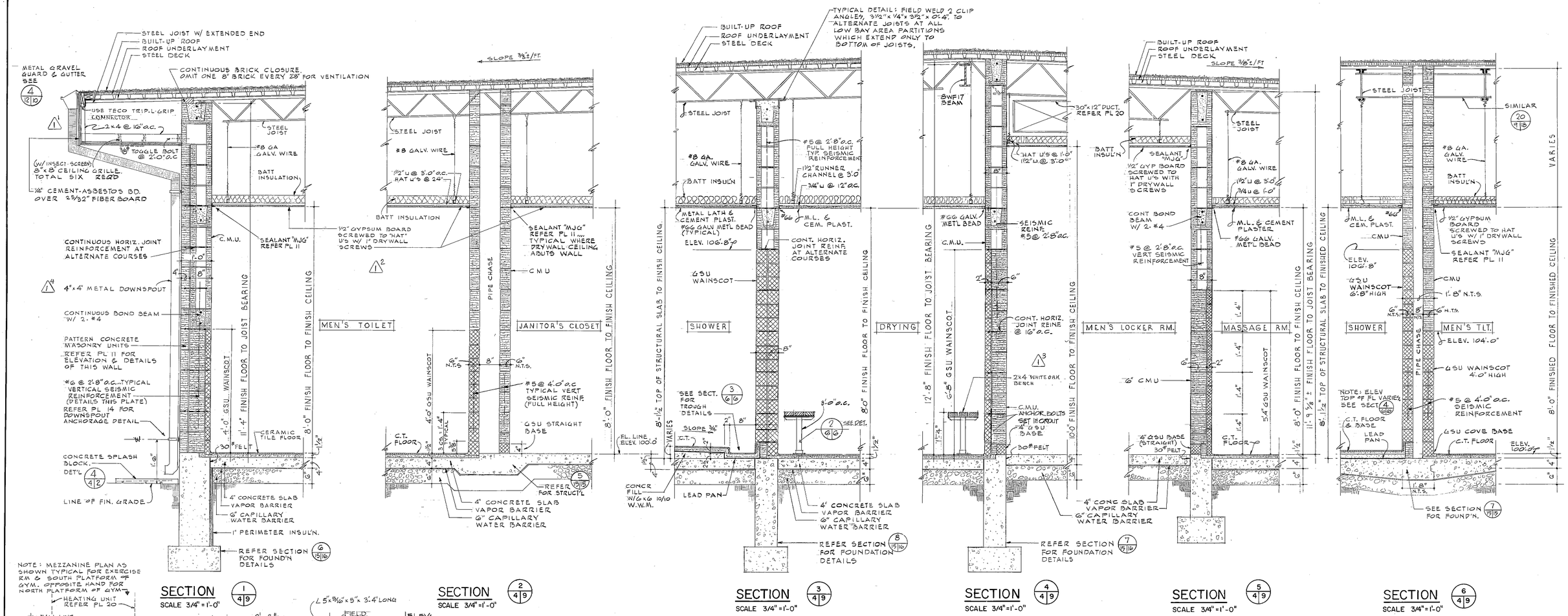
DACA 47-67-B-0061

DRAWING NUMBER AS-BLT
AW-31-06-02
SHEET 5

PLATE 8

585 SH-9 DRAWING OF WORK AS-BUILT

DISTRICT FILE NO. AA-IN-4/5.1



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SYMBOL	DESCRIPTIONS	DATE	APPROVAL
6	REVISED AS-BUILT	9APR'69	

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KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

WALL SECTIONS

SCALE: AS SHOWN

DACA 47-67-B-0061

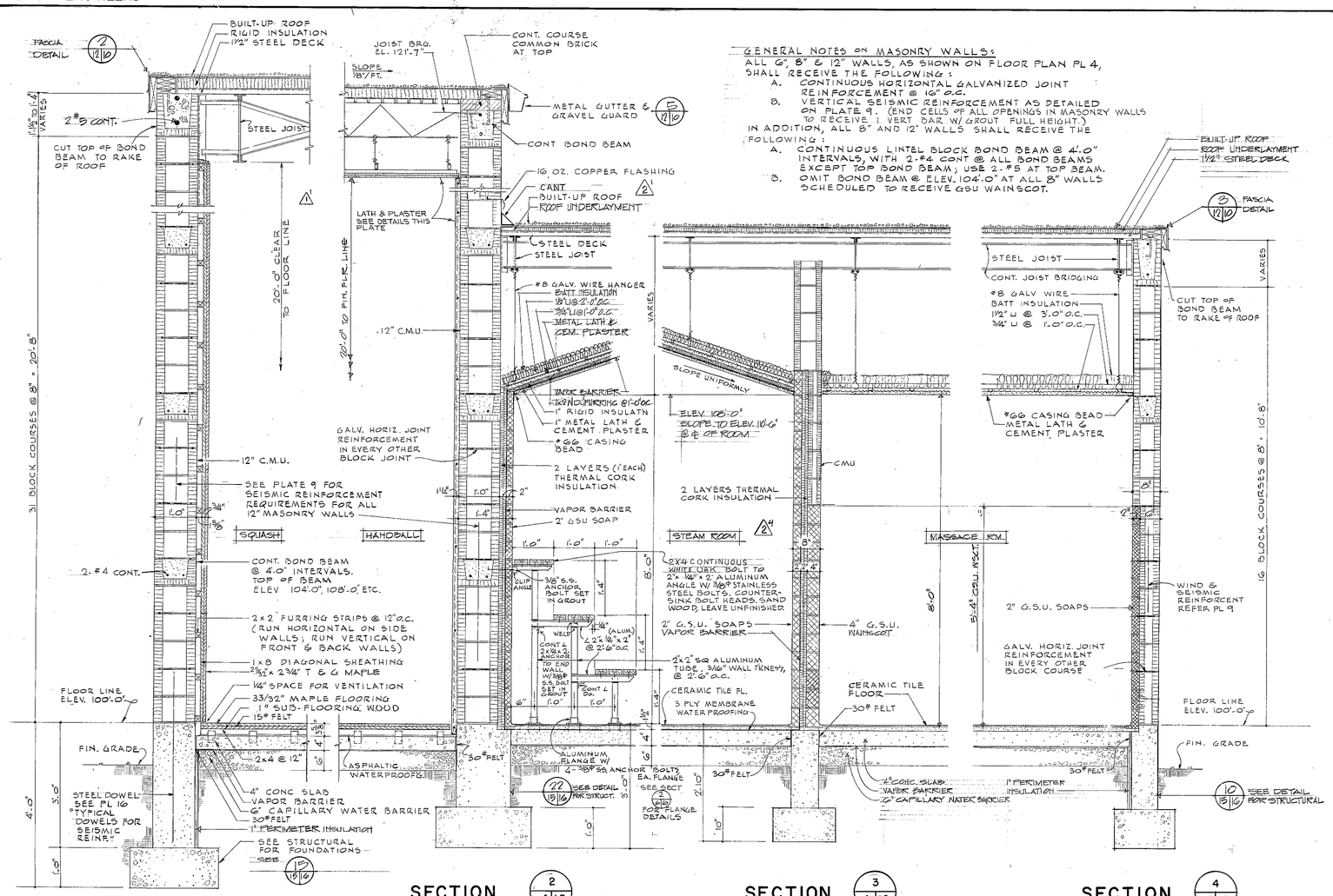
DRAWING NUMBER AS-BLT. AW-31-06-02

PLATE 9

SHEET 6

585 SH-10 DRAWING OF WORK AS-BUILT DISTRICT FILE NO. AA-IN-4/6.1

GENERAL NOTES ON MASONRY WALLS:
ALL 6", 8" & 12" WALLS, AS SHOWN ON FLOOR PLAN PL 4, SHALL RECEIVE THE FOLLOWING:
A. CONTINUOUS HORIZONTAL GALVANIZED JOINT REINFORCEMENT @ 16" O.C.
B. VERTICAL SEISMIC REINFORCEMENT AS DETAILED ON PLATE 9. (END CELLS OF ALL OPENINGS IN MASONRY WALLS TO RECEIVE 1 VERT. BAR W/ GROUT FULL HEIGHT.)
IN ADDITION, ALL 8" AND 12" WALLS SHALL RECEIVE THE FOLLOWING:
A. CONTINUOUS LINTEL BLOCK BOND BEAM @ 4'-0" INTERVALS, WITH 2-#4 CONT @ ALL BOND BEAMS EXCEPT TOP BOND BEAM; USE 2-#5 AT TOP BEAM.
B. OMIT BOND BEAM @ ELEV. 104'-0" AT ALL 8" WALLS SCHEDULED TO RECEIVE GSU WAINSCOT.

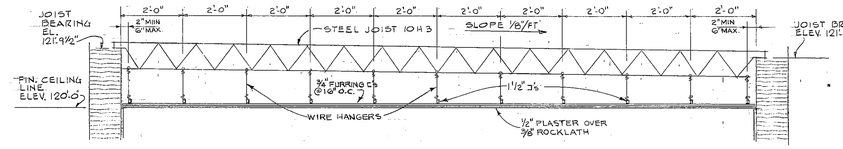


SECTION 1/4 10 — SCALE 3/4" = 1'-0"

SECTION 2/4 10 — SCALE 3/4" = 1'-0"

SECTION 3/4 10 — SCALE 3/4" = 1'-0"

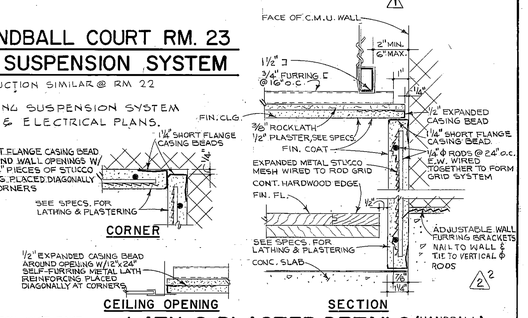
SECTION 4/4 10 — SCALE 3/4" = 1'-0"



SECTION THRU HANDBALL COURT RM. 23 SHOWING CEILING SUSPENSION SYSTEM

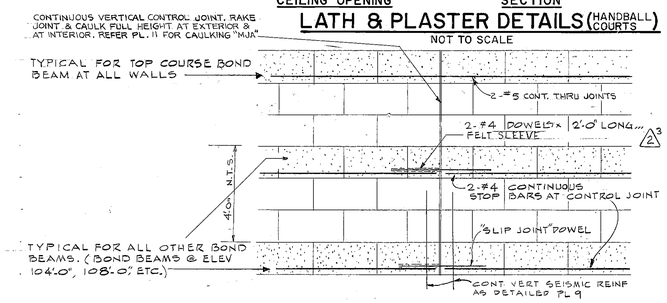
SCALE 1/2" = 1'-0" CONSTRUCTION SIMILAR @ RM 22

NOTE: COORDINATE CEILING SUSPENSION SYSTEM WITH MECHANICAL & ELECTRICAL PLANS.



LATH & PLASTER DETAILS (HANDBALL COURTS)

NOT TO SCALE

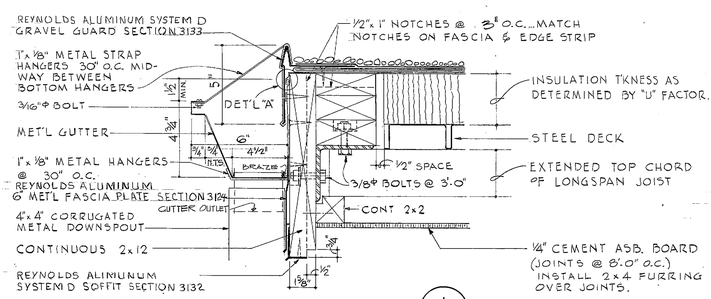


NOTE: ALL "SLIP JOINT" DOWELS TO BE PLAIN BARS. ALL OTHER BARS TO BE DEFORMED BARS. SEE APPLICABLE WALL SECTIONS FOR PLACEMENT OF BARS.

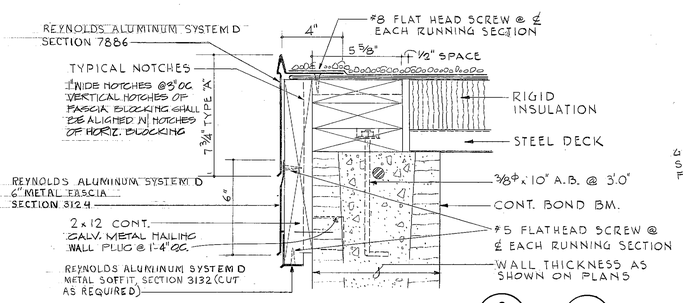
TYPICAL BOND BEAM CONDITIONS

SCALE 3/4" = 1'-0"

NOTE: CONTROL JOINTS OCCUR ONLY AT TWO LOCATIONS AT EXERCISE RM 24. SEE PLAN PL 4 FOR LOCATION.

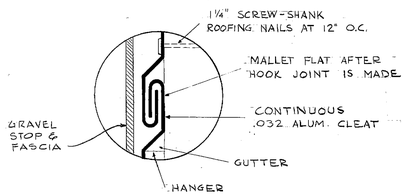


GUTTER DETAIL 1/12 10 — SCALE 3" = 1'-0"



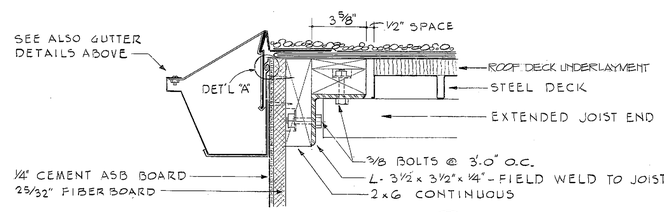
FASCIA DETAIL 2/12 10 & 3/12 10 — SCALE 3" = 1'-0"

NOTE: DET'L 3/12/10 SIMILAR TO 2/12/10 EXCEPT UNDERLAYMENT IS AS SHOWN ON DET'L 4/12/10

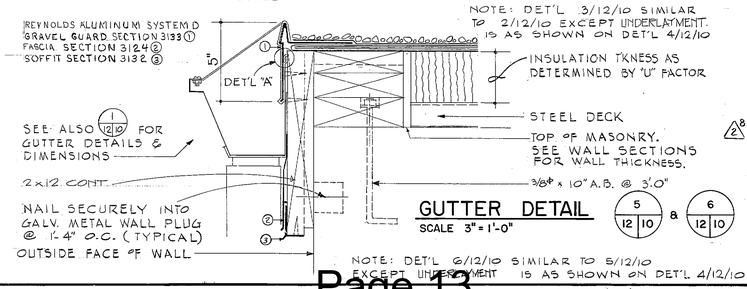


DETAIL "A"
FULL SIZE

SCALE 1/2" = 1'-0" 0 1' 2' 4' 6'
SCALE 3/4" = 1'-0" 0 1' 2' 4'
SCALE 3" = 1'-0" 0 1'
GRAPHIC SCALES



GUTTER DETAIL 4/12 10 — SCALE 3" = 1'-0"



GUTTER DETAIL 5/12 10 & 6/12 10 — SCALE 3" = 1'-0"

NOTE: DET'L 6/12/10 SIMILAR TO 5/12/10 EXCEPT UNDERLAYMENT IS AS SHOWN ON DET'L 4/12/10

GENERAL NOTES ~ FASCIAS & GUTTERS

1. TOP OF ALL FASCIA BLOCKING SHALL BE KEPT FLUSH WITH TOP OF INSULATION. THICKNESS OF INSULATION AS DETERMINED BY "U" FACTOR.
2. REYNOLDS ALUMINUM SYSTEM D GRAVEL GUARD SECTION 3133 (5" DEEP) IS TYPICAL WHEREVER GUTTERS OCCUR. GRAVEL GUARD SECTION 7886 (7¾" DEEP) IS TYPICAL ELSEWHERE. FASCIA DETAILS INDICATE EXTRUDED ALUMINUM SECTIONS. GUTTER & DOWNSPOUT SECTIONS & BRACKETS ARE SHOP FORMED
3. CONTINUOUS 2x12 IS TYPICAL FOR ALL EAVES, EXCEPT AS SHOWN ON 4/12 10.

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SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS-BUILT	9APR'69	
1	REVISED HANDBALL COURT DETAILS & ADDED PLASTER DETAILS	27 JULY 67	J.B. Smith

REVISIONS

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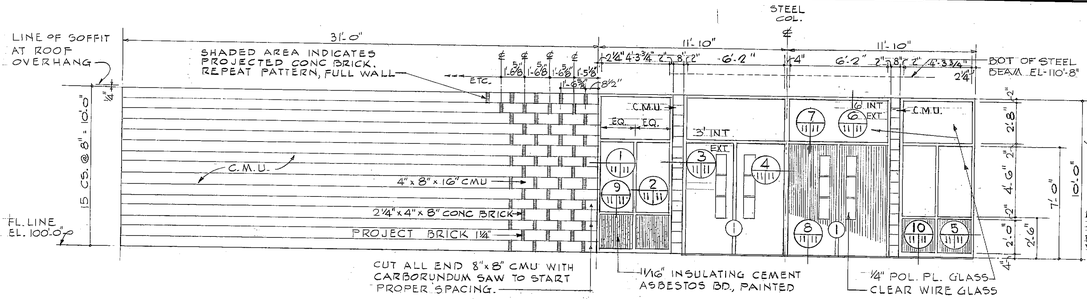
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Lt. Col. CE, Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

WALL SECTIONS & DETAILS

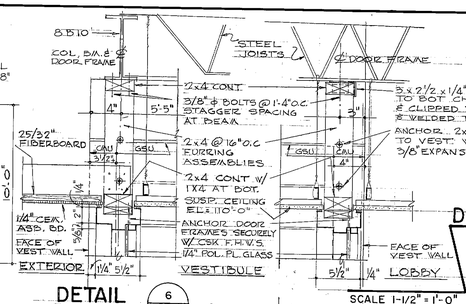
SCALE: AS SHOWN
DACA 47-67-B-0061
DRAWING NUMBER AS-BLT AW-31-06-02
PLATE 10
SHEET 7

585 SH-11 DRAWING OF WORK AS-BUILT DISTRICT FILE NO. AA-IN-4/7.2

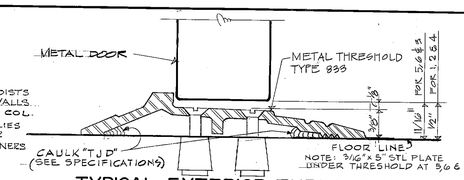


EXTERIOR ELEVATION AT MAIN ENTRANCE (INTERIOR VESTIBULE DOORS SIMILAR)

SCALE 1/4" = 1'-0"



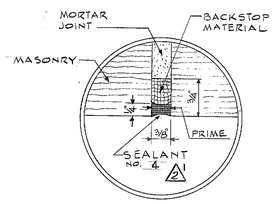
DETAIL 6 (11/11)
SCALE 1-1/2" = 1'-0"



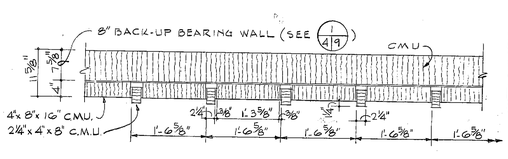
DETAIL 6' (11/11)

TYPICAL EXTERIOR THRESHOLD

TYPICAL AT DOORS 1,3,4,5 & 6
NO SCALE

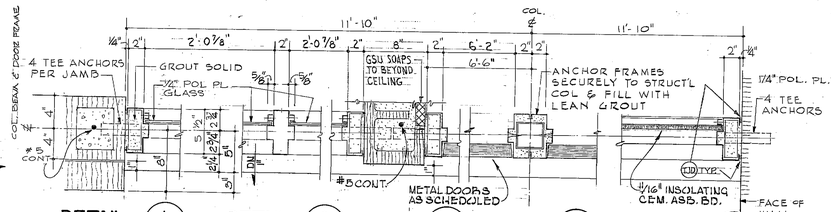


FULL SIZE DETAIL
"M J A"
JOINT SHAPE SYMBOL
(SEE SPECIFICATIONS FOR SEALANT NO. 4
THIS DETAIL TYPICAL FOR ALL MASONRY CONTROL JOINTS.

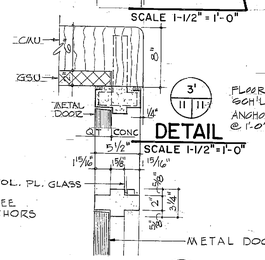


PLAN AT C.M.U. PATTERN WALL

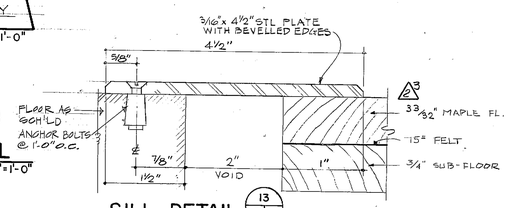
SCALE 3/4" = 1'-0"



DETAIL 1 (11/11) SCALE 1 1/2" = 1'-0"
DETAIL 2 (11/11) SCALE 1 1/2" = 1'-0"
DETAIL 3 (11/11) SCALE 1 1/2" = 1'-0"
DETAIL 4 (11/11) SCALE 1 1/2" = 1'-0"
DETAIL 5 (11/11) SCALE 1 1/2" = 1'-0"

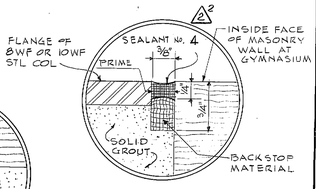


DETAIL 3' (11/11)
SCALE 1-1/2" = 1'-0"

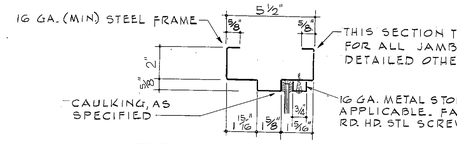


SILL DETAIL (13/8/11)

TYPICAL AT DOORS 7,14,15,24,25,29,30, & EAST ENTRANCE TO ROOM 24 SCALE: FULL SIZE

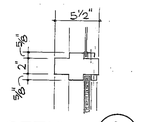


FULL SIZE DETAIL
"M J E"
JOINT SHAPE SYMBOL
TYPICAL AT ALL 8WF 24 & 10WF 33 COLS AT GYMNASIUM

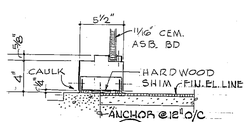


TYPICAL HOLLOW METAL FRAME

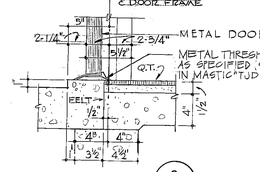
SCALE 3" = 1'-0"



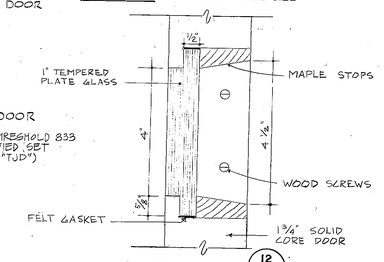
DETAIL 9 (11/11) SCALE 1 1/2" = 1'-0"



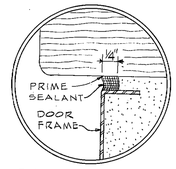
DETAIL 10 (11/11) SCALE 1 1/2" = 1'-0"



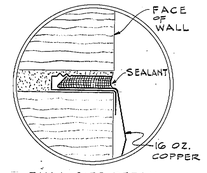
DETAIL 8 (11/11) SCALE 1 1/2" = 1'-0"



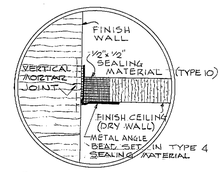
DETAIL 12 (4/11)
PEEP HOLE DETAIL FOR DOORS 24,25, & 29
SCALE: HALF SIZE



FULL SIZE DETAIL
"T J D"
TYPICAL HEAD & JAMB DET'L

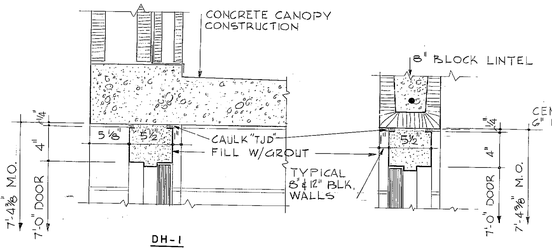


FULL SIZE DETAIL
"T J E"
JOINT SHAPE SYMBOL
TYPICAL AT ROOF FLASHING, SEE ALSO SECTIONS (2/4/18) (5/4/18) AND (2/4/19)

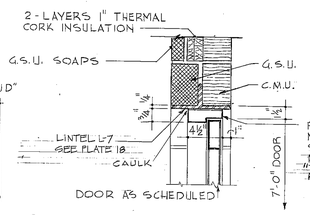


FULL SIZE DETAIL
"M J G"
JOINT SHAPE SYMBOL
TYPICAL FOR ALL DRY WALL CEILINGS

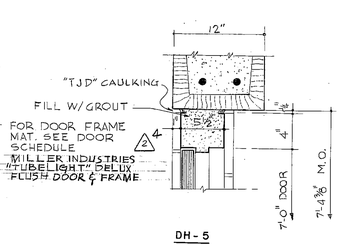
CAULKING & SEALING DETAILS
SEE SPECIFICATIONS FOR SEALANT TYPES.



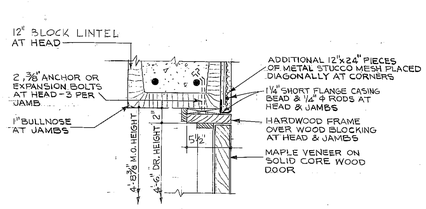
DH-1 DH-2 DH-3



DH-4

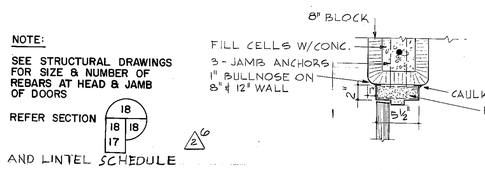


DH-5

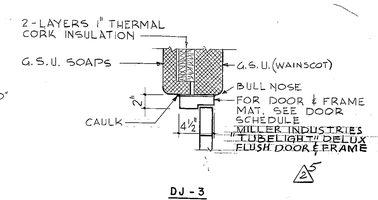


DH-6 & DJ-5

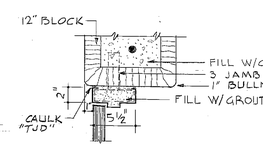
NOTE:
SEE STRUCTURAL DRAWINGS FOR SIZE & NUMBER OF REBARS AT HEAD & JAMB OF DOORS
REFER SECTION (18/18/18/17)
AND LINTEL SCHEDULE



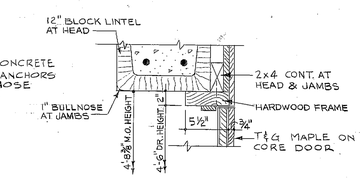
DJ-1 DJ-2



DJ-3



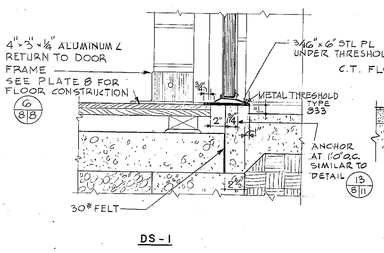
DJ-4



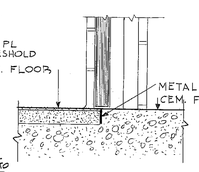
DH-7 & DJ-6

SCALE: 1/4" = 1'-0"
SCALE: 3/4" = 1'-0"
SCALE: 1 1/2" = 1'-0"
SCALE: 3" = 1'-0"

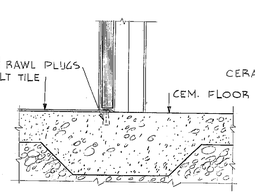
GRAPHIC SCALES



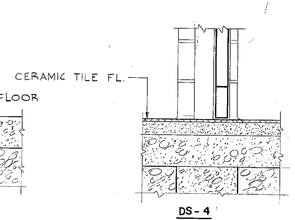
DS-1



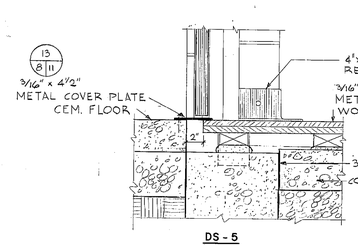
DS-2



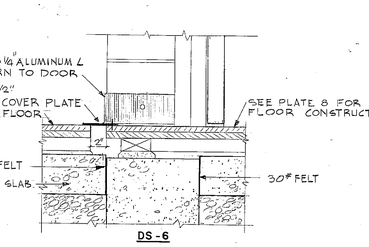
DS-3



DS-4



DS-5



DS-6

DOOR DETAILS

SCALE 1 1/2" = 1'-0"

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS-BUILT	9APR'69	
1	REVISED HANDBALL COURT & SQUASH COURT DOOR DETAILS	27 JULY 67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: JGO
DRAWN BY: DB & JGO
CHECKED BY: DLC
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Col. CE, Deputy District Engineer
DATE DEC 1965

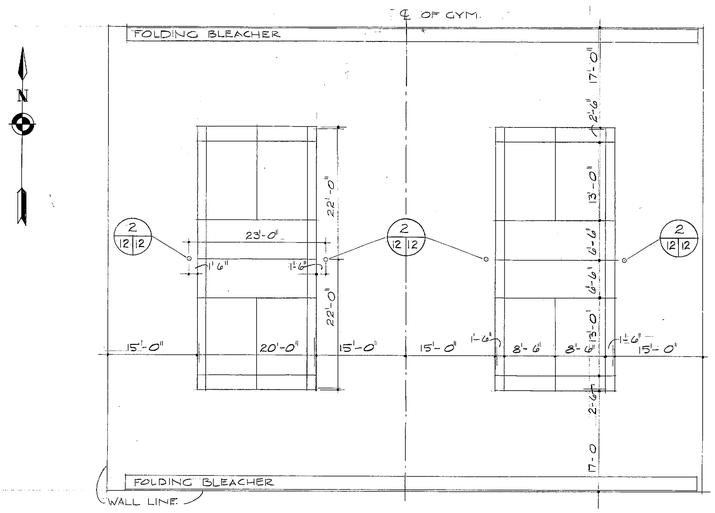
KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

DOOR & MISC. DETAILS

SCALE: AS SHOWN
DACA 47-67-B-0061
DRAWING NUMBER AS-BLT AW-31-06-02
PLATE 11
SHEET 8

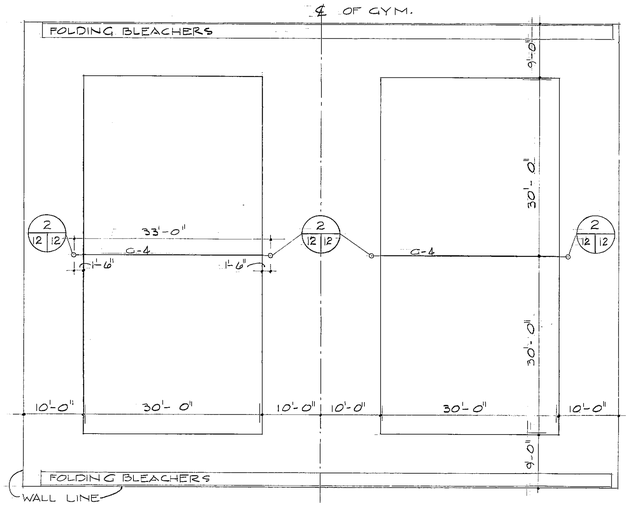
585 SH-12 DRAWING OF WORK AS-BUILT

DISTRICT FILE NO. AA-IN-4/8.2



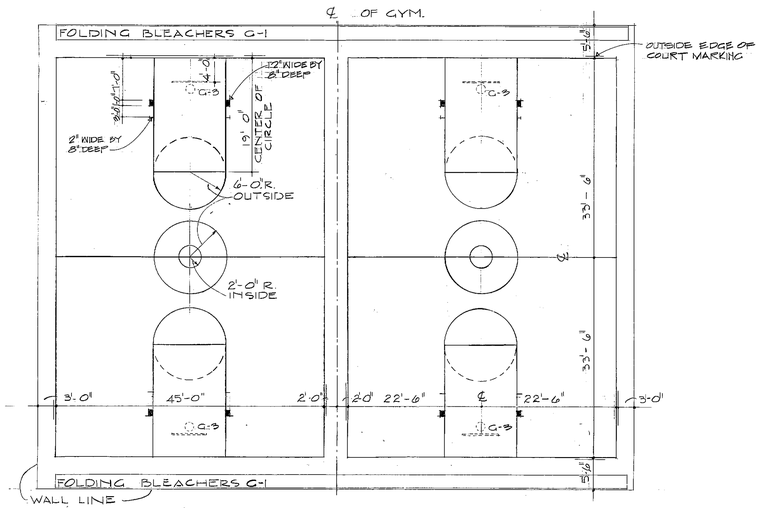
BADMINTON FLOOR MARKING 1½" WIDE GREEN LINES

1/4|12 BADMINTON COURT MARKING PLAN
SCALE: 3/32" = 1'-0"



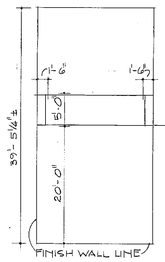
VOLLEYBALL FLOOR MARKING 1" WIDE WHITE LINES

2/4|12 VOLLEYBALL COURT MARKING PLAN
SCALE: 3/32" = 1'-0"



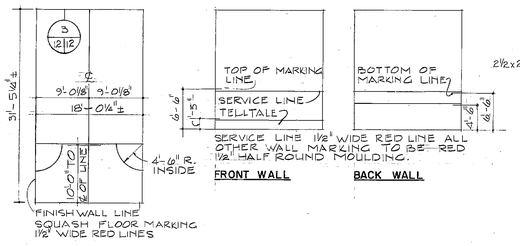
PRACTICE COURT FLOOR MARKING 1" WIDE RED LINES

3/4|12 BASKETBALL PRACTICE COURT MARKING PLAN
SCALE: 3/32" = 1'-0"



HANDBALL FLOOR AND WALL MARKING 1½" WIDE RED LINES

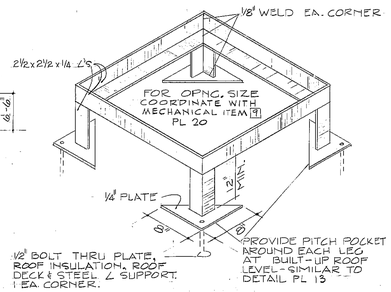
4/4|12 HANDBALL COURT MARKING PLAN
SCALE: 3/32" = 1'-0"



SQUASH FLOOR MARKING 1½" WIDE RED LINES

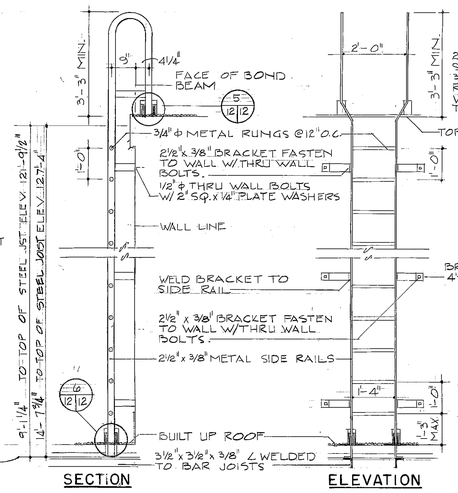
SERVICE LINE 1½" WIDE RED LINE ALL OTHER WALL MARKING TO BE RED 1½" HALF ROUND MOULDING.

5/4|12 SQUASH COURT MARKING PLAN
SCALE: 3/32" = 1'-0"

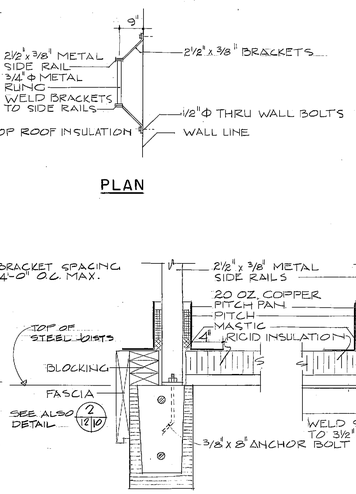


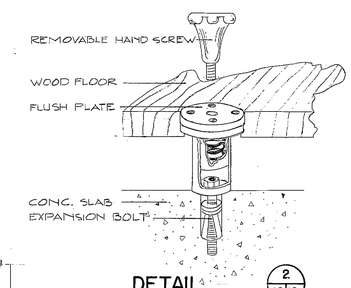
DETAIL 1/20|12
NOT TO SALE

COOLER MOUNTING DETAIL



4/12|10 LADDER DETAILS
SCALE: 1/2" = 1'-0"



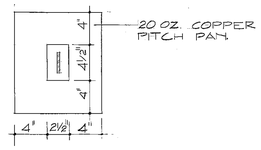


DETAIL 2/12|12
NOT TO SCALE

TYPICAL FLOOR PLATE

DETAIL 5/12|12
SCALE: 1 1/2" = 1'-0"

LADDER PITCH PAN

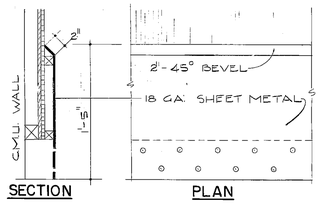


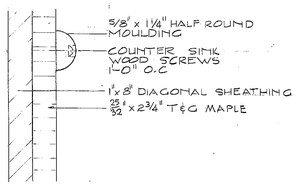
DETAIL 6/12|12
SCALE: 1 1/2" = 1'-0"

LADDER PITCH PAN

PLAN
SCALE: 1 1/2" = 1'-0"

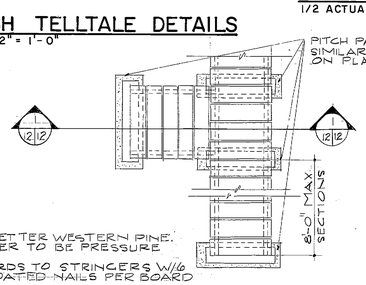
LADDER PITCH PAN





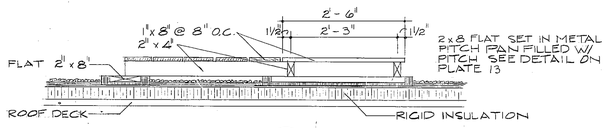
SQUASH WALL MARKING DETAIL
1/2 ACTUAL SIZE

3/12|12 SQUASH TELTALE DETAILS
SCALE: 1 1/2" = 1'-0"



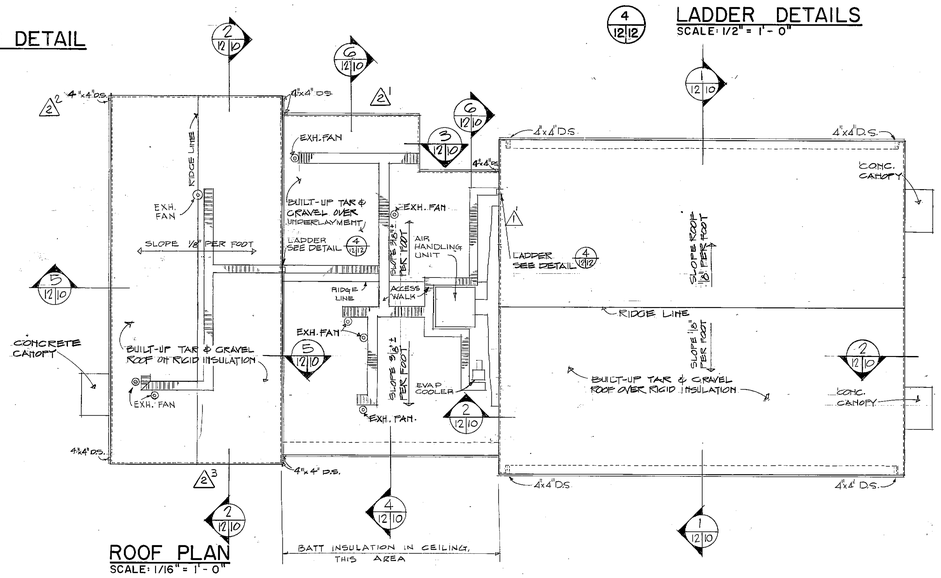
NOTES:
1. LUMBER
   2/4 No 2 & BETTER WESTERN PINE.
2. ALL LUMBER TO BE PRESSURE TREATED.
3. NAIL BOARDS TO STRINGERS W/16 CEMENT COATED NAILS PER BOARD

PLAN
NOT TO SCALE



SECTION 1/12|12
NOT TO SCALE

ROOF WALKWAY DETAILS



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

GRAPHIC SCALES

1/16"=1'-0" 1/8"=1'-0" 1/4"=1'-0" 1/2"=1'-0" 1 1/2"=1'-0" 1/2"=1"

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
4	REVISED AS-BUILT	9 APR '69	
1	MOVED AHU, ACCESS WALK & LADDER, ADDED CUT WORK	29-3-67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: JGO
DRAWN BY: HM & GB
CHECKED BY: JGO
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Lt. Col. C.E. Deputy District Engineer
DATE DEC. 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

ROOF PLAN & MISC. DETAILS

SCALE: AS SHOWN

DACA 47-67-B-0061

DRAWING NUMBER AS-BLT AW-31-06-02

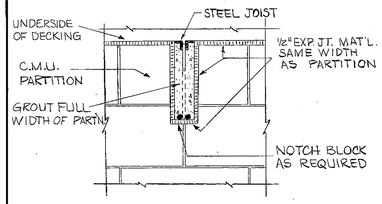
PLATE 12

SHEET 9

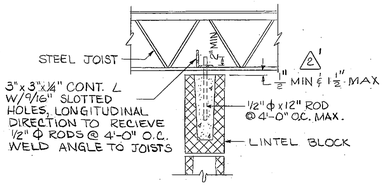
FILE COPY

585 SH-13 DRAWING OF WORK AS-BUILT

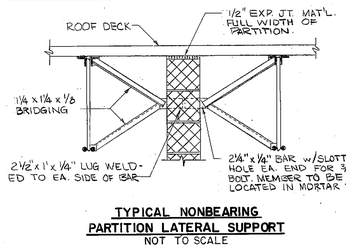
DISTRICT FILE NO. AA-IN-4/9.2



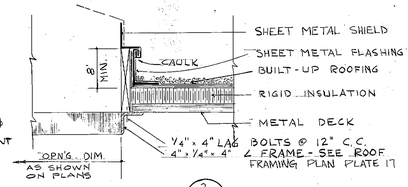
TYPICAL INTERSECTION OF JOIST & PARTITION TO UNDER SIDE OF ROOF DECK
NOT TO SCALE



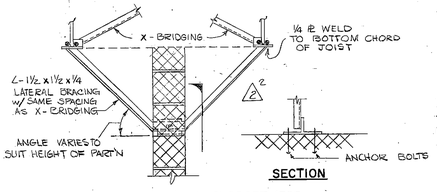
TYPICAL NONBEARING PARTITION LATERAL SUPPORT
NOT TO SCALE



TYPICAL NONBEARING PARTITION LATERAL SUPPORT
NOT TO SCALE

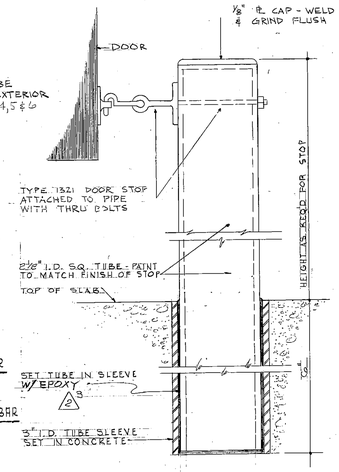


DETAIL
CURB DETAIL FOR ROOF OPENING
NOT TO SCALE

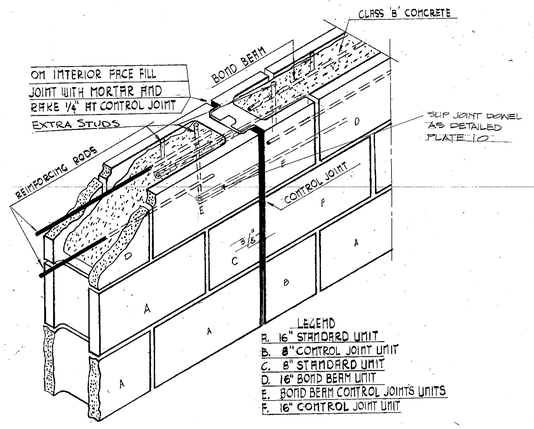


TYPICAL LATERAL SUPPORT (FOR PARTITIONS THAT DO NOT EXTEND TO ROOF)
NOT TO SCALE
SEE NOTE ON PLATE 4 & 6

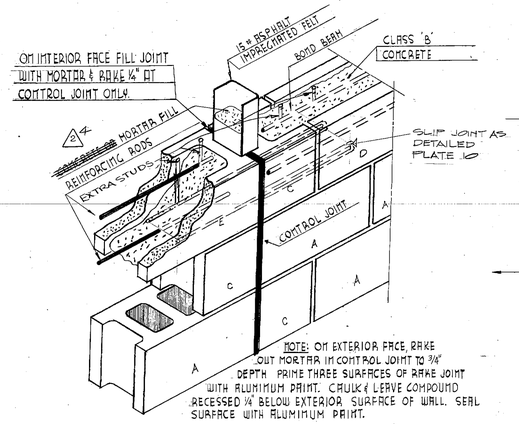
NOTE:
THIS STOP TO BE LOCATED AT EXTERIOR DOORS 1, 2, 3, 4, 5 & 6



DETAIL
NOT TO SCALE
EXTERIOR DOOR STOP DETAIL

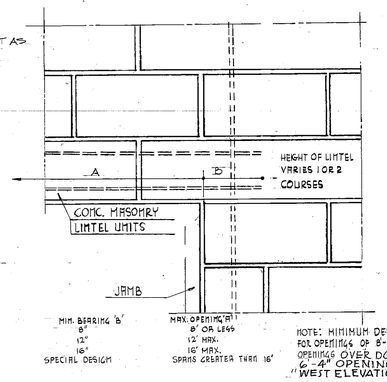


CONTROL JOINT USING CONTROL JOINT UNITS



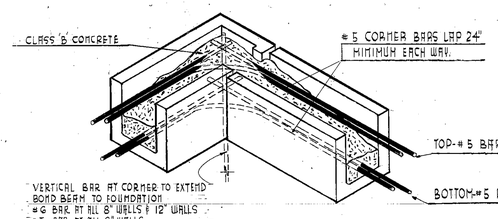
NOTE: ON EXTERIOR FACE, RAKE OUT MORTAR IN CONTROL JOINT TO 3/4" DEPTH. PRIME THREE SURFACES OF RAKE JOINT WITH ALUMINUM PRIMT. CAULK & LERVE COMPOUND RECESSED 1/4" BELOW EXTERIOR SURFACE OF WALL. SEAL SURFACE WITH ALUMINUM PRIMT.

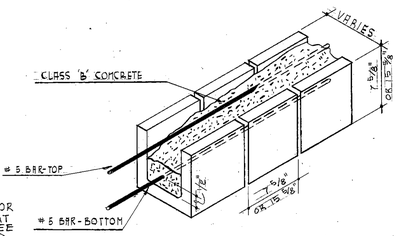
CONTROL JOINT USING OPEN END STRETCHER UNIT AND CONC. CORE



NOTE: MINIMUM DEPTH OF LINTEL TO BE 8" FOR OPENINGS OF 8'-0" AND LESS, EXCEPT 16" FOR OPENINGS OVER DOORS 10, 28 & 4 AND AT 6'-4" OPENING OVER LOUVERS. SEE "WEST ELEVATION" PLATE 5 AND 8/4 17

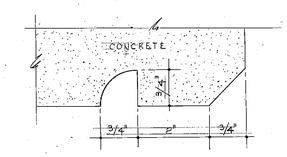
BOND BEAM LINTEL





LINTEL AND BOND BEAM UNIT

NOTE: SIZE OF BARS & LOCATION ARE SHOWN ON WALL SECTIONS, PLATES 8, 9 & 10 (AND 18 "LINTEL SCHEDULE")



DETAIL
NOT TO SCALE
TYPICAL DRIP DETAIL

CONTROL JOINT & BOND BEAM DETAILS

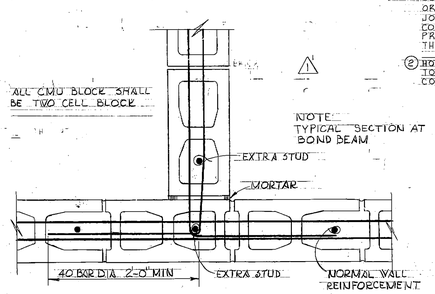
SCALE 1 1/2" = 1'-0"

NOTES:
1. EXTENDED MASONRY WALLS TO ROOF DECK AT HEATER ROOM, PASSAGE RM. 6, SQUASH RM 25 AND ALL PIPE CHASIS
2. EXTENDED ALL OTHER WALLS OF LOW BAY AREA TO BOTTOM OF JOISTS

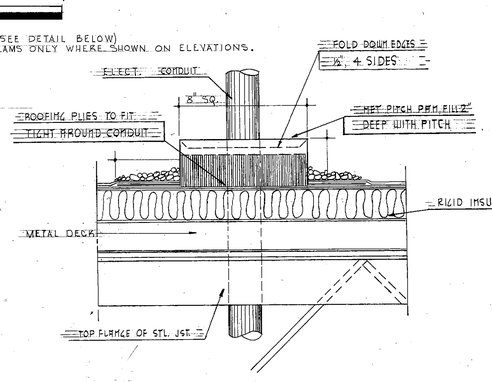
(FOR INTERIOR PARTITIONS LESS THAN 8" THICK, SEE DETAIL BELOW)
CONTROL JOINTS SHALL EXTEND THRU BOND BEAMS ONLY WHERE SHOWN ON ELEVATIONS.

(1) CONTROL JOINTS ARE INDICATED ON PLANS & ELEVATIONS. WHERE A CONTROL JOINT OCCURS AT JAMBS OF DOOR, WINDOW, OR LOUVER OPENINGS, PROVIDE A SLIP JOINT UNDER THE LINTEL WITH 16 OZ. COPPER EMBEDDED IN THE MORTAR TO PROVIDE A SMOOTH SURFACE UPON WHICH THE LINTEL MAY MOVE.

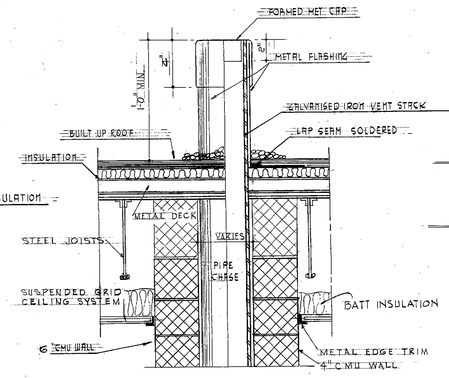
(2) HORIZONTAL MASONRY JOINT REINFORCING TO BE DISCONTINUED 6" EACH SIDE OF A CONTROL JOINT.



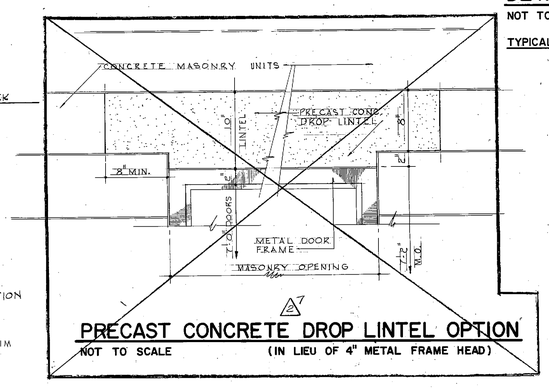
PLAN OF BEARING PARTITION & EXTERIOR WALL



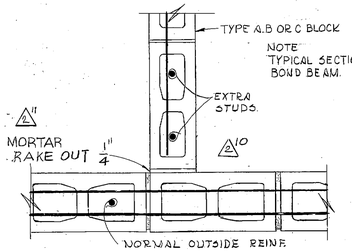
PITCH PAN DETAIL
NOT TO SCALE



TYPICAL VENT STACK DETAIL
NOT TO SCALE

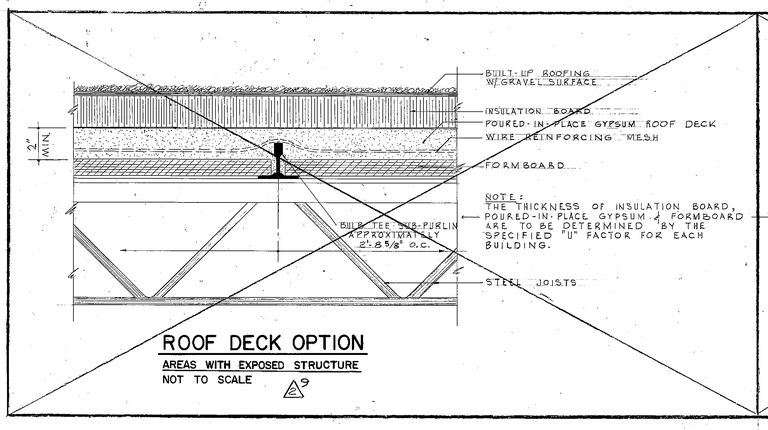


PRECAST CONCRETE DROP LINTEL OPTION
NOT TO SCALE (IN LIEU OF 4" METAL FRAME HEAD)

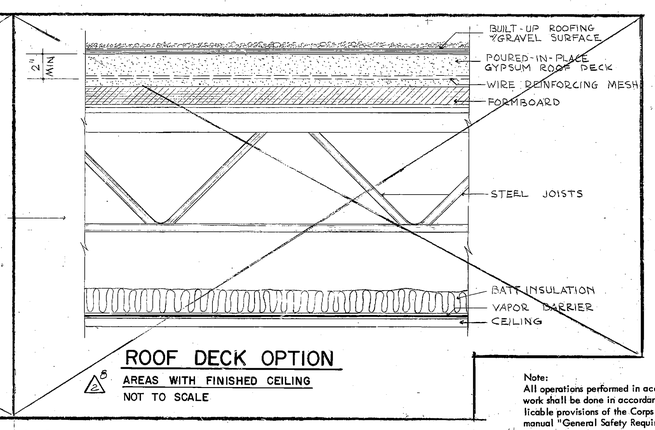


TYPICAL CONNECTION OF PARTITION TO WALL

WALL INTERSECTION DETAILS
NOT TO SCALE



ROOF DECK OPTION
AREAS WITH EXPOSED STRUCTURE
NOT TO SCALE



ROOF DECK OPTION
AREAS WITH FINISHED CEILING
NOT TO SCALE

Note:
All operations performed in accomplishing this work shall be done in accordance with the applicable provisions of the Corps of Engineers manual "General Safety Requirements" and contract specifications.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS-BUILT	9 APR '69	
1	REVISED WALL INTERSECTION DETAILS	28 MAR 67	J.A.N.

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

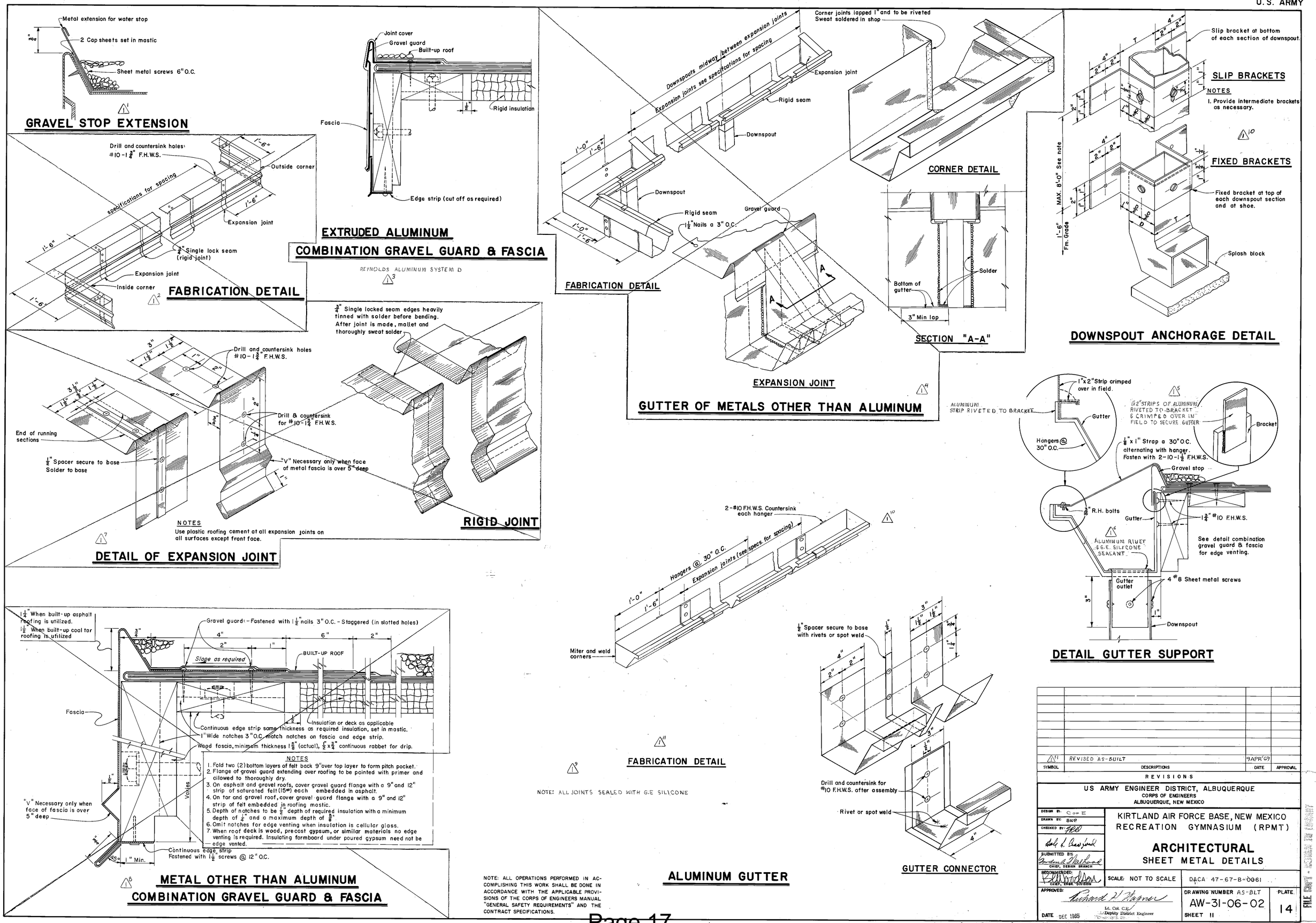
DESIGN BY: D. C.
DRAWN BY: G. B.
CHECKED BY: D. C.
PREPARED BY: ARCHITECT-ENGINEER
SUBMITTED BY: CHIEF, MILITARY BRANCH
RECOMMENDED: CHIEF, ENGINEERING DIVISION
APPROVED: Lt. Col. C.E. Deputy District Engineer
DATE: DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

MISCELLANEOUS DETAILS

SCALE: AS SHOWN
DACA 47-67-B-0061
DRAWING NUMBER AS-BLT AW-31-06-02
PLATE 13
SHEET 10

585 SH-14 DRAWING OF WORK AS-BUILT DISTRICT FILE NO. AA-IN-4/10.2



SYMBOL	DESCRIPTIONS	DATE	APPROVAL
11	REVISED AS-BUILT	9APR'69	

REVISIONS

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: C. or E.
DRAWN BY: BMP
CHECKED BY:
SUBMITTED BY: CHIEF, DESIGN BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

ARCHITECTURAL
SHEET METAL DETAILS

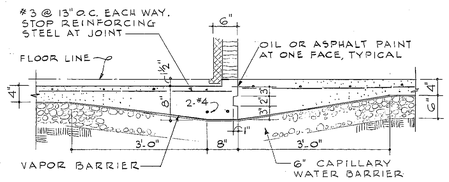
SCALE: NOT TO SCALE
DACA 47-67-B-0061

APPROVED: Richard H. Wagner, Lt. Col. C.E., Deputy District Engineer
DATE DEC 1965

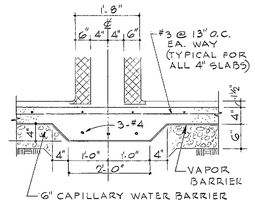
DRAWING NUMBER AS-BLT AW-31-06-02
SHEET 11
PLATE 14

585 SH-15 DRAWING OF WORK AS-BUILT

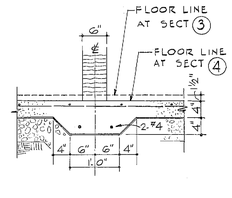
DISTRICT FILE NO. AA-[illegible]-4/11



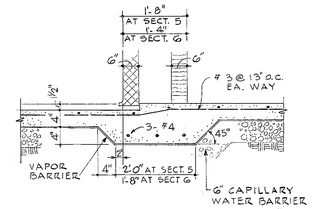
SECTION 1/15|15
SCALE 3/4" = 1'-0"



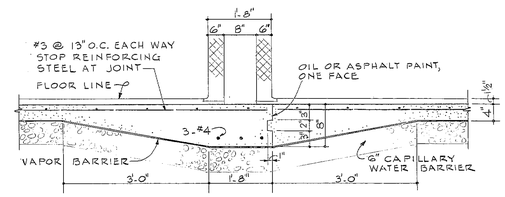
SECTION 2/15|15
SCALE 3/4" = 1'-0"



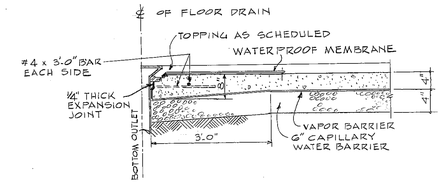
SECTION 3/15|15 & 4/15|15
SCALE 3/4" = 1'-0"



SECTION 5/15|15 & 6/15|15
SCALE 3/4" = 1'-0"

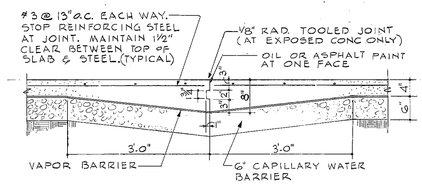


SECTION 7/15|15
SCALE 3/4" = 1'-0"

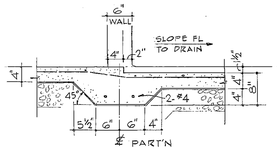


TYPICAL METAL FLOOR DRAIN W/ PAN
SCALE: NONE

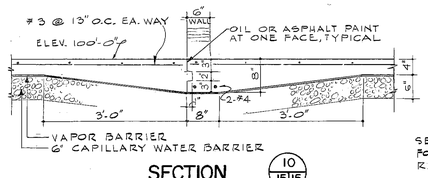
NOTE: SEE ALSO PL 16 FOR DOWELS FOR VERT SEISMIC REINFORCEMENT AT ALL 6" MASONRY WALLS.



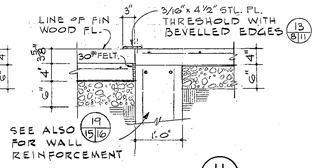
SECTION 8/15|15
SCALE 3/4" = 1'-0"
TYPICAL CONTRACTION JOINT



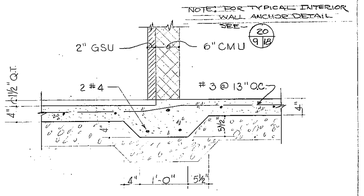
SECTION 9/15|15
SCALE 3/4" = 1'-0"



SECTION 10/15|15
SCALE 3/4" = 1'-0"

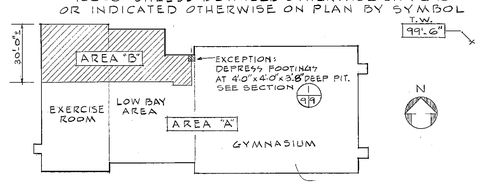


SECTION 11/15|15
SCALE 3/4" = 1'-0"



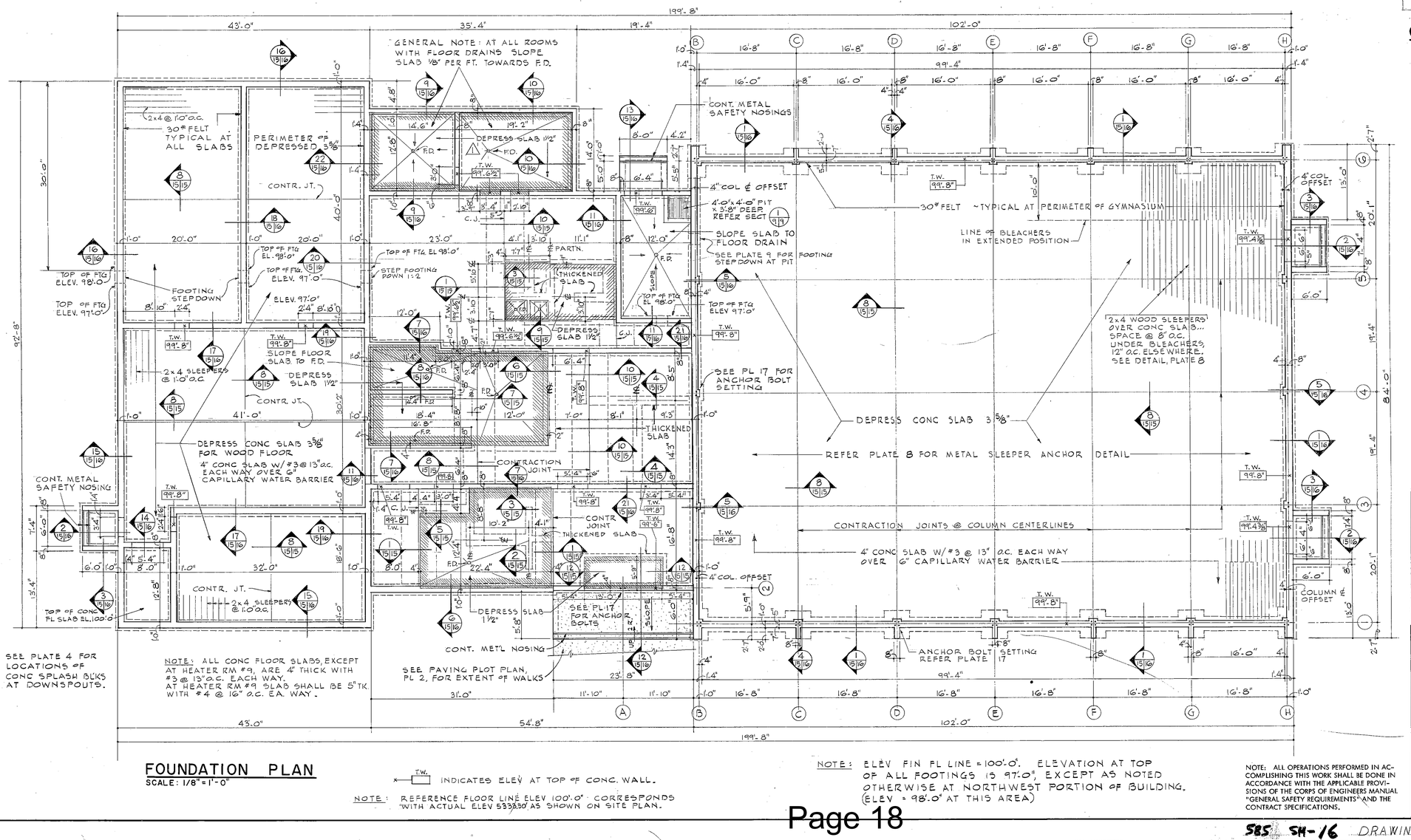
SECTION 12/15|15
SCALE 3/4" = 1'-0"

NOTE: ELEVATION AT TOP OF CONC FOUNDATION WALLS AT PERIMETER OF GYMNASIUM = 99'-8". ELEVATION AT TOP OF ALL OTHER FOUND'N WALLS = 100'-0" UNLESS DETAILED OTHERWISE ON PL 16 OR INDICATED OTHERWISE ON PLAN BY SYMBOL



KEY PLAN FOR FOUNDATIONS SCALE: NONE

- FINISH FLOOR LINE = ELEV. 100'-0"
- ELEVATION AT TOP OF ALL FOOTINGS WITHIN SHADED AREA "B" = 98'-0"
- ELEVATION AT TOP OF ALL FOOTINGS WITHIN UNSHADED AREA "A" = 97'-0"



NOTE: ALL CONC FLOOR SLABS, EXCEPT AT HEATER RM #9, ARE 4" THICK WITH #3 @ 13" O.C. EACH WAY. AT HEATER RM #9 SLAB SHALL BE 5" TK. WITH #4 @ 16" O.C. EA. WAY.

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

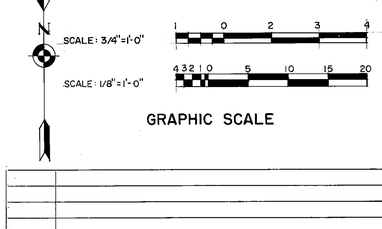
T.W. INDICATES ELEV AT TOP OF CONC. WALL.

NOTE: REFERENCE FLOOR LINE ELEV 100'-0" CORRESPONDS WITH ACTUAL ELEV 533.330' AS SHOWN ON SITE PLAN.

NOTE: ELEV FIN FL LINE = 100'-0". ELEVATION AT TOP OF ALL FOOTINGS IS 97'-0", EXCEPT AS NOTED OTHERWISE AT NORTHWEST PORTION OF BUILDING. (ELEV = 98'-0" AT THIS AREA)

GENERAL NOTES

1. DESIGN SOIL BEARING VALUE = 2000 PSF.
2. ALL CONCRETE, EXCEPT AS NOTED BELOW, SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS.
3. ⚠2
4. ALL 4" CONCRETE FLOOR SLABS SHALL HAVE #3 @ 13" O.C. EACH WAY. 5" CONCRETE FLOOR SLAB AT HEATER ROOM SHALL HAVE #4 @ 16" O.C. EACH WAY. MAINTAIN 1½" CLEAR BETWEEN STEEL AND TOP OF FLOOR SLAB. ALL INTERIOR FL SLABS SHALL BE PLACED ON VAPOR BARRIER OVER 6" CAPILLARY WATER BARRIER.
5. LAP CONTINUOUS REINFORCING STEEL A MINIMUM OF 24 BAR DIAMETERS UNLESS DETAILED OTHERWISE.
6. ALL CORNERS TO HAVE CORNER BARS OF SAME SIZE AND SPACING OF NORMAL REINFORCING STEEL. LAP 24 DIAMETERS IN EACH DIRECTION.
7. REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARDS. (LATEST)
8. EXPANSION JOINTS SHALL BE 30# FELT WHEREVER FLOOR SLABS ABUT WALL SURFACES.
9. AT MASONRY WALLS, INSTALL STEEL DOWELS INTO FOUNDATIONS AS FOLLOWS:
   ALL 8" WALLS: #5 x 4'-6" LONG @ 2'-8" O.C. EMBED 2'-10"
   ALL 12" WALLS: #6 x 4'-8" LONG @ 2'-8" O.C. EMBED 2'-10"
   ALL 6" WALLS: #5 x 2'-2" LONG @ 4'-0" O.C. EMBED 6"
   } SEE PET'LS PLATE 16.
10. COMPACTION WILL BE BASED ON THE MAXIMUM DRY DENSITY IN THE MILITARY STANDARD, MIL-STD.-621 (CE), METHOD S1, COMPACTION EFFORT DESIGNATION CE 55.



GRAPHIC SCALE

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS-BUILT	9 APR '69	
1	ADDED FLOOR DRAIN IN ROOM 12	12 SEPT '67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

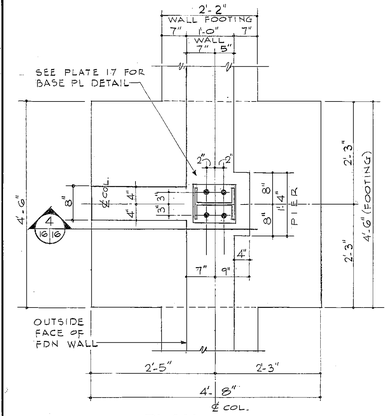
DESIGN BY: JGO
DRAWN BY: JGO
CHECKED BY: DLC
PREPARED BY: Carl J. Crawford, ARCHITECT - ENGINEER
SUBMITTED BY: D. K. Drinkoff, CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: D. K. Drinkoff, CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Col., C.E., Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)
FOUNDATION PLAN & DETAILS

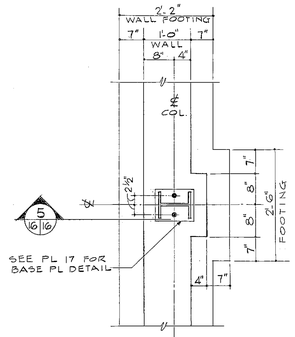
SCALE: AS SHOWN
DACA 47-67-B-0061
DRAWING NUMBER AS-BLT
AW-31-06-02
PLATE 15
SHEET 12

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

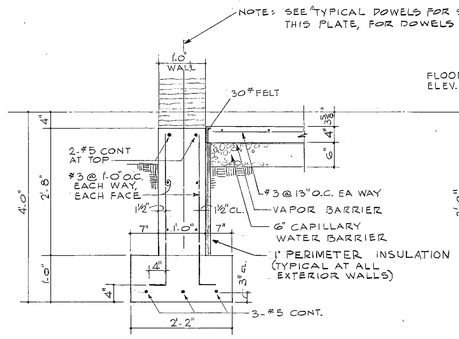
585 SH-16 DRAWING OF WORK AS-BUILT DISTRICT FILE NO. AA-IN-4/12.2



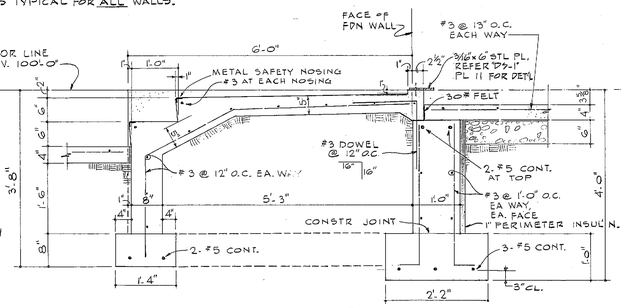
PLAN



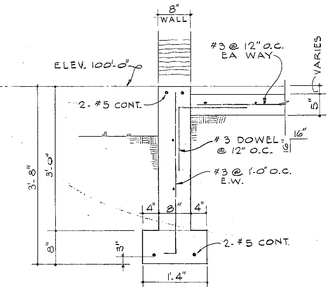
PLAN



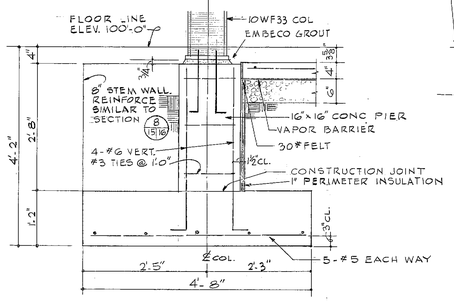
SECTION 1/15|16
SCALE 3/4" = 1'-0"



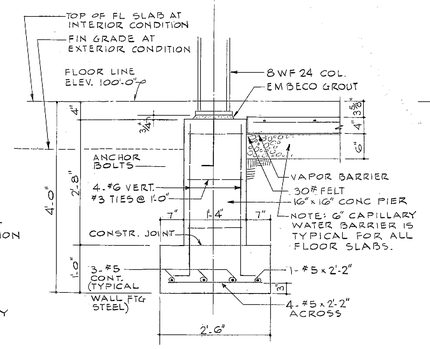
SECTION 2/15|16
SCALE 3/4" = 1'-0"



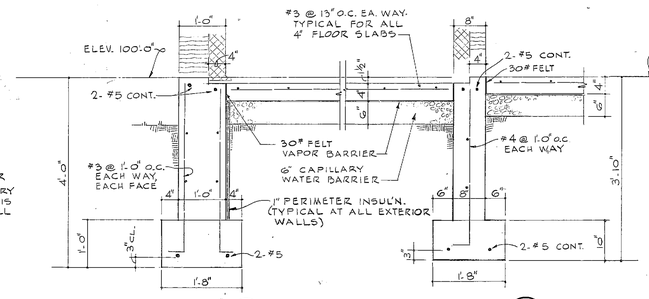
SECTION 3/15|16
SCALE 3/4" = 1'-0"



SECTION 4/15|16 16
SCALE 3/4"=1'-0"
TYPICAL FOR COLS. MK. C1, D1, E1, F1, G1, C6, D6, E6, F6 & G6

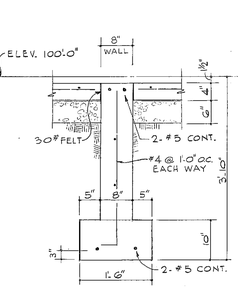


SECTION 5/15|16 16
SCALE 3/4"=1'-0"
TYPICAL FOR COLS. MK. B3, B4, B5, H3, H4 & H5

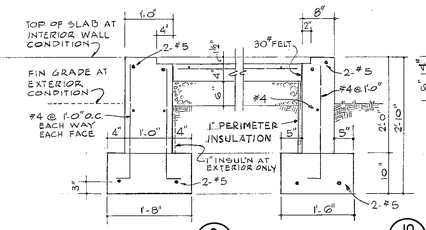


SECTION 6/15|16
SCALE 3/4"=1'-0"

SECTION 7/15|16
SCALE 3/4"=1'-0"

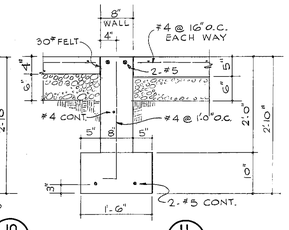


SECTION 8/15|16
SCALE 3/4" = 1'-0"

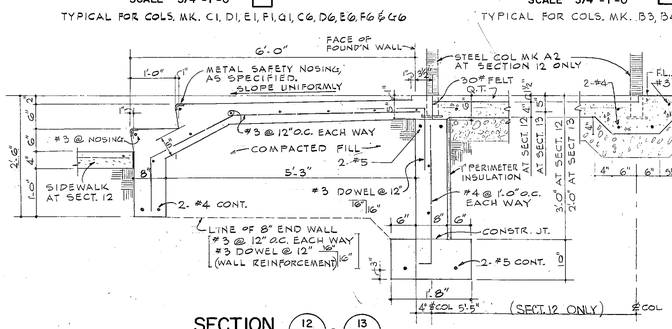


SECTION 9/15|16
SCALE 3/4" = 1'-0"

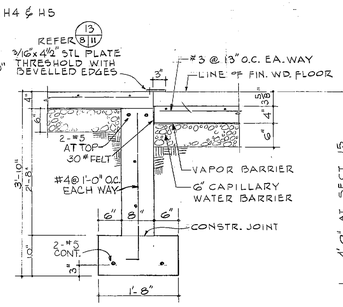
SECTION 10/15|16
SCALE 3/4" = 1'-0"



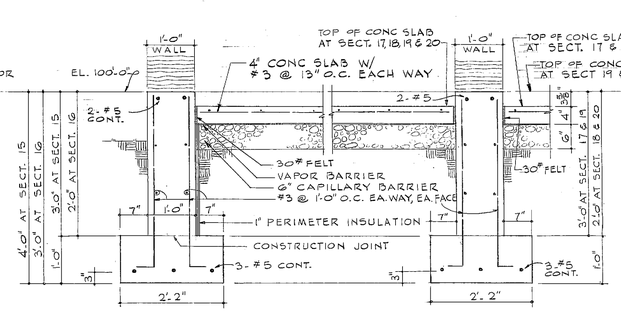
SECTION 11/15|16
SCALE 3/4" = 1'-0"



SECTION 12/15|16 & 13/15|16
SCALE 3/4"=1'-0"

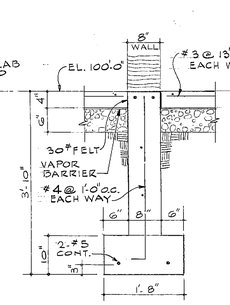


SECTION 14/15|16
SCALE 3/4"=1'-0"

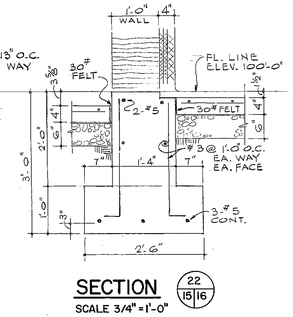


SECTION 15/15|16 & 16/15|16
SCALE 3/4"=1'-0"

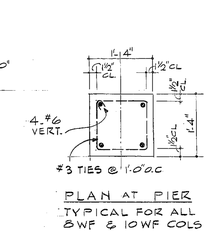
SECTION 17/15|16 & 18/15|16 & 19/15|16 & 20/15|16
SCALE 3/4"=1'-0"



SECTION 21/15|16
SCALE 3/4"=1'-0"

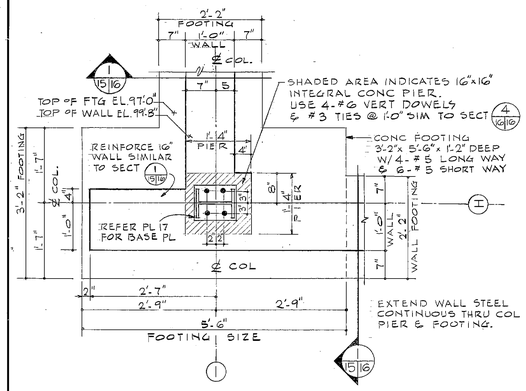


SECTION 22/15|16
SCALE 3/4"=1'-0"



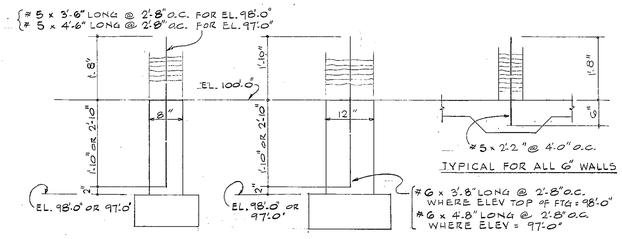
PLAN AT PIER
TYPICAL FOR ALL 8WF & 10WF COLS
SCALE 3/4" = 1'-0"
REFER 4/15|16 & 5/15|16

TYPICAL WALL FTG "STEP-DOWN"
SCALE: NONE



FOUNDATION PLAN AT COL H-1
SCALE 3/4" = 1'-0"

NOTE: DETAIL AT COLS MK B1, B6 & H6 SIMILAR. SEE PLAN, PL 15, FOR COLUMN ORIENTATION.



TYPICAL FOR ALL 8" WALLS

TYPICAL FOR ALL 12" WALLS

TYPICAL DOWELS FOR SEISMIC REINFORCEMENT
NOT TO SCALE

NOTE: INSTALL DOWELS AS SHOWN ABOVE AT ALL 6", 8" & 12" MASONRY WALLS SHOWN ON FLOOR PLAN, PL 4.

LAP VERTICAL BARS MIN 30 DIAMETERS AT SPLICES & EXTEND FULL HEIGHT OF WALL. FILL CELLS W/ CONC AT VERT BARS.

INSTALL ONE VERT BAR & DOWEL (SIZE AS SHOWN ABOVE) AT END CELL OF EACH SIDE OF ALL OPENINGS IN MASONRY WALLS.

SCALE: 3/4"=1'-0" 1 0 1 2 3
GRAPHIC SCALE

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

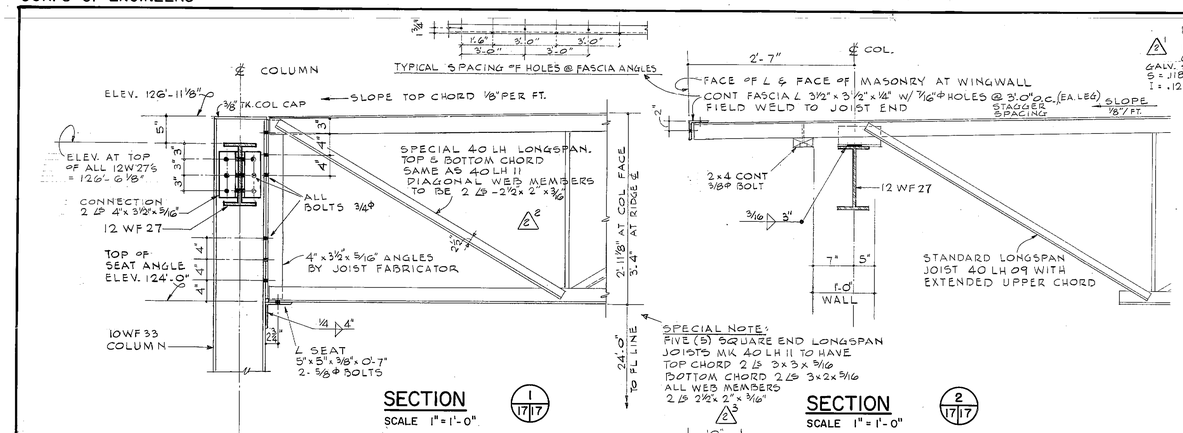
DESIGN BY: JGO
DRAWN BY: JGO
CHECKED BY: DLC
PREPARED BY: Earl E. Stanford, ARCHITECT - ENGINEER
SUBMITTED BY: D. L. Crandall, CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Col., C.E., Deputy District Engineer
DATE DEC 1965

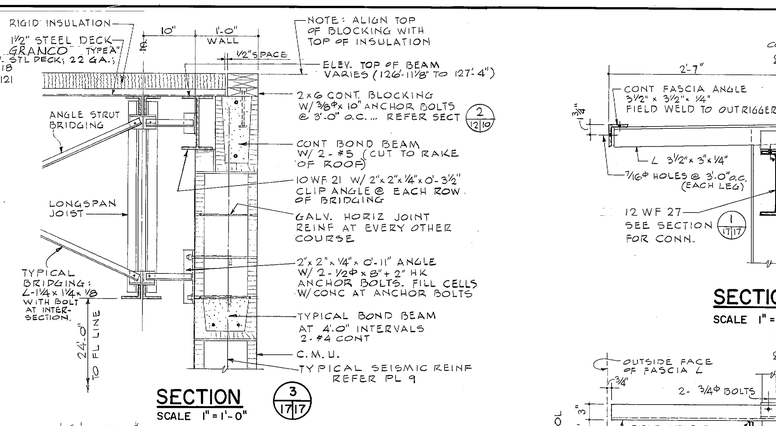
KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

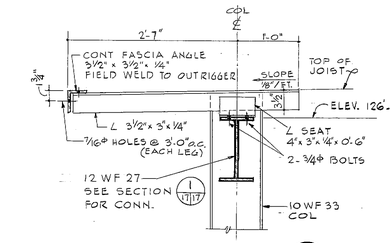
FOUNDATION DETAILS

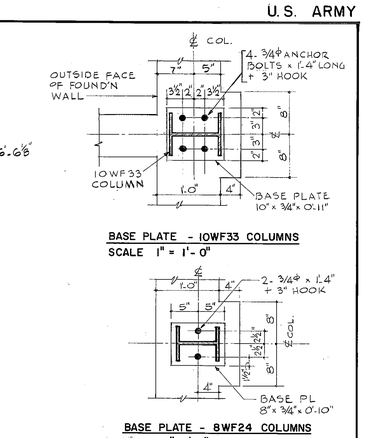
SCALE: AS SHOWN
DACA 47-67-B-0061
DRAWING NUMBER AS-BLT
AW-31-06-02
SHEET 13
PLATE 16

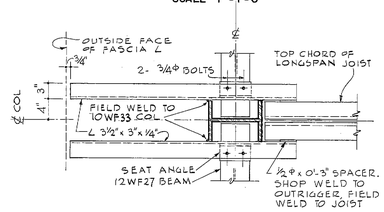
585 SH-17 DRAWING OF WORK AS-BUILT
DISTRICT FILE NO. AA-IN-4/13









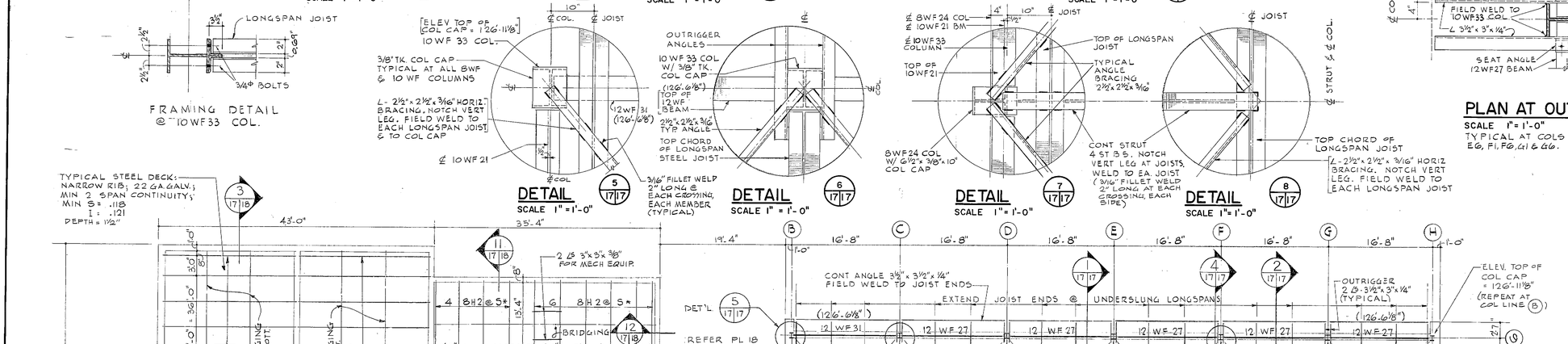


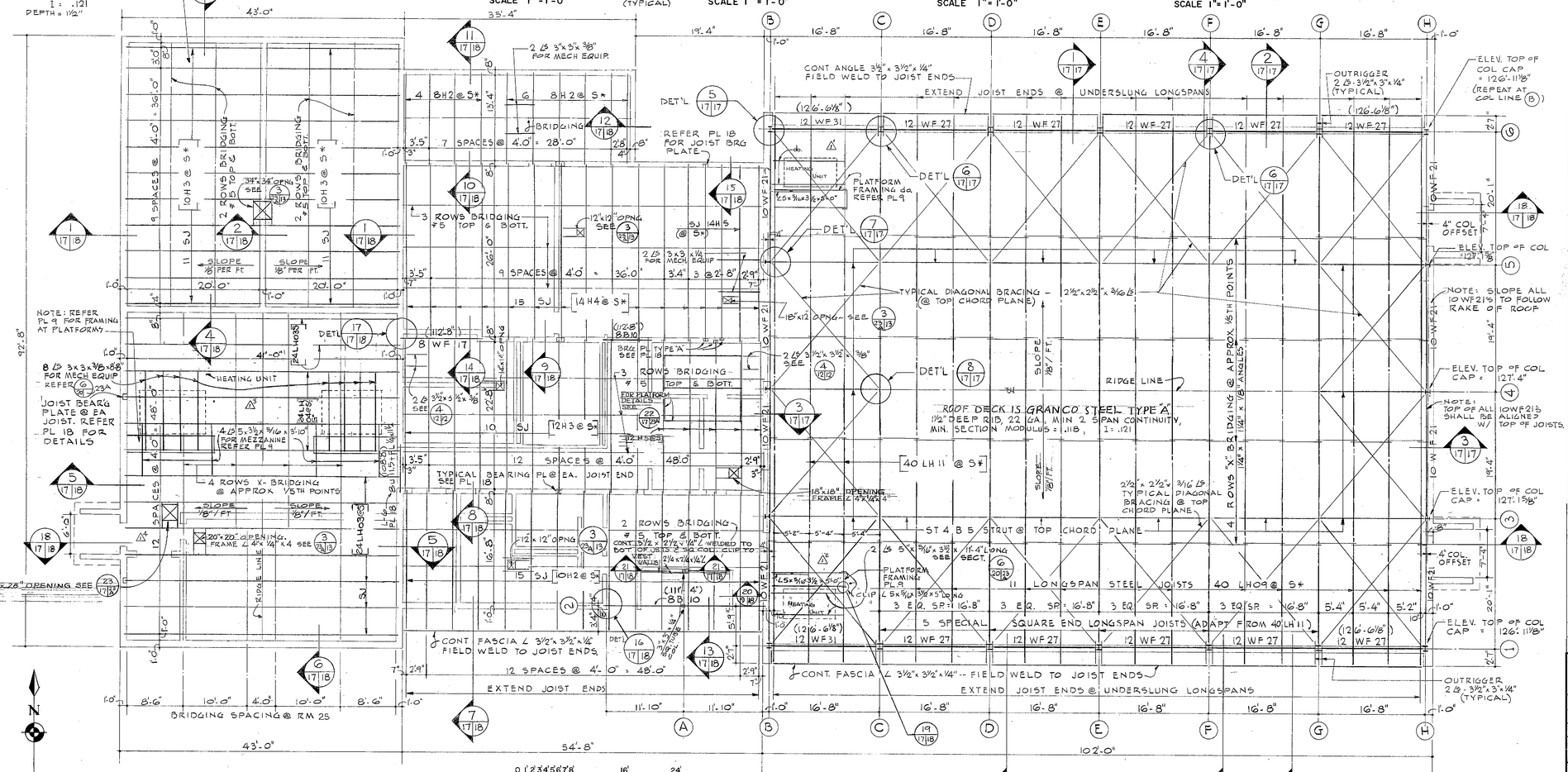
PLAN AT OUTRIGGER

SCALE 1" = 1'-0"

TYPICAL AT COLS C1, CG, D1, DG, E1 EG, F1, FG, G1 & GG.

COL. BASE PLATE DETAILS





ROOF FRAMING PLAN

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

LEGEND:
( ) INDICATES ELEVATION AT TOP OF STEEL
ELEV. FIN FLOOR LINE = 100'-0"

SCALE 1/8" = 1'-0" 0 1' 2' 3' 4' 5' 6' 7' 8' 16' 24'

SCALE 1" = 1'-0" 0 1' 2' 3'

GRAPHIC SCALES

* NOTE:
(S) INDICATES JOIST DESIGNATION FOR STEEL DECK

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SCHEDULE OF STEEL COLUMNS (NO SCALE)

GYMNASIUM (RM # 1) ROOF LINE			
LOBBY (RM. # 2) ROOF LINE			
FLOOR LINE ELEV. 100'-0"	10WF 33	8WF 24	3"x 3"x 0.25" SQ. TUBE
BOTTOM OF BASE PL.			
BASE PLATE SIZE	11" x ¾" x 0'-10"	8" x ¾" x 0'-10"	5" x ½" x 0'-9"
ANCHOR BOLTS	4 - ¾"Φ x 1'-4" + 3" HOOK	2 - ¾"Φ x 1'-4" + 3" HOOK	2 - ¾"Φ x 1'-0"
COLUMN MARK	B1, C1, D1, E1, F1 G1, H1, B6, C6 D6, E6, F6, G6, H6	B3, B4, B5 H3, H4, H5	A2

GENERAL STRUCTURAL NOTES

1. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (LATEST).
2. ALL DETAILING, FABRICATION & ERECTION SHALL BE DONE IN ACCORDANCE WITH A.I.S.C. "SPECIFICATION FOR THE DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" (APRIL 17, 1963).
3. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE AWS CODE (LATEST). ALL BOLTS SHALL BE ASTM A-307.
4. ALL STEEL JOISTS SHALL BE ASTM A36 & SHALL BE MANUFACTURED IN ACCORDANCE WITH S.J.I. "H" SERIES (LATEST) & "LH" SERIES (LATEST).
5. ALL STRUCTURAL STEEL & STEEL JOISTS SHALL RECEIVE ONE SHOP COAT OF ZINC CHROMATE PRIMER.
6. WELD ALL COLUMNS TO BASE PLATES WITH CONTINUOUS 3/16" FILLET WELDS. (ALSO AT COL CAPS)
7. PROVIDE 7/16"Φ HOLES IN STEEL MEMBERS WHERE REQ'D FOR BLOCKING. HOLES @ 2'-0" UNLESS DETAILED OTHERWISE.
8. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING FOR STEEL COLUMNS DURING ERECTION & UNTIL MASONRY WALLS & ROOF DECK ARE IN PLACE.
9. ALL REQUIRED ROOF OPENINGS 12"x 12" OR GREATER SHALL BE BE FRAMED WITH 4" x ¼" x 4" ANGLES. SEE SECTION 3/23A/13. VERIFY SIZES & LOCATION W/ MECHANICAL, PL 20.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS-BUILT	9APR'69	JAV
1	LOCATION OF MECHANICAL EQUIPMENT & DUCT SIZE	28Mar67	JAV

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: JGO
DRAWN BY: JGO
CHECKED BY: DLC
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Col. C.E., Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)
ROOF FRAMING
PLAN & DETAILS

SCALE: AS SHOWN

DACA 47-67-B-0061

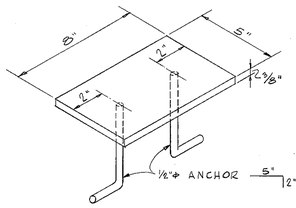
DRAWING NUMBER AS BLT AW-31-06-02

PLATE 17

SHEET 14

585 SH-18 DRAWING OF WORK AS-BUILT

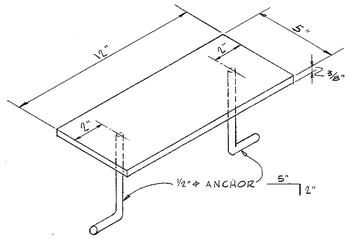
DISTRICT FILE NO. AA-IN-4/14.2



JOIST BEARING PLATE TYPE "A"

NOT TO SCALE.

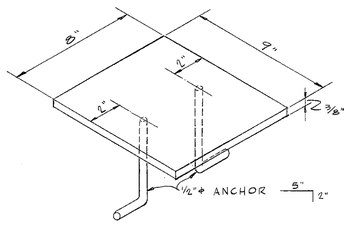
TYPICAL FOR ALL EXTERIOR WALLS



JOIST BEARING PLATE TYPE "B"

NOT TO SCALE

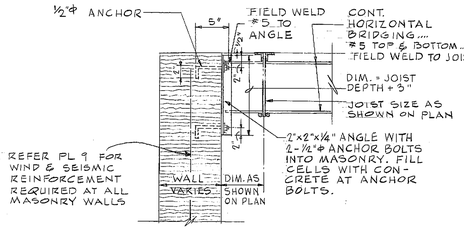
TYPICAL FOR ALL 8" INTERIOR WALLS EXCEPT AS NOTED OTHERWISE ON PLAN AT SOUTH WALL OF HEATER RM No 9



JOIST BEARING PLATE TYPE "C"

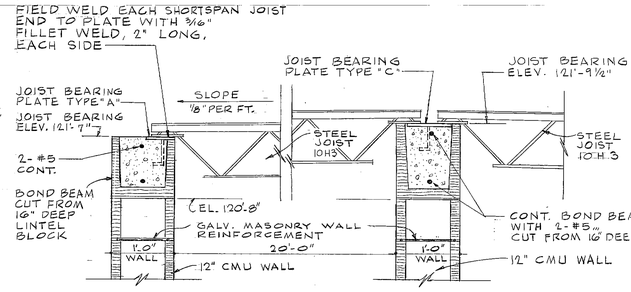
NOT TO SCALE

TYPICAL FOR INTERIOR 12" WALL BETWEEN RMS No. 22 & 23.



TYPICAL ANCHORAGE OF JOIST BRIDGING TO END WALLS

SCALE 1" = 1'-0"

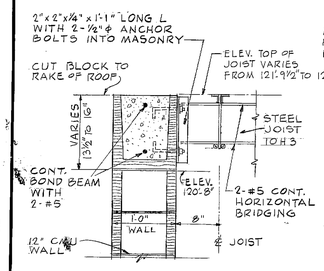


SECTION 1/17|18

SCALE 1" = 1'-0"

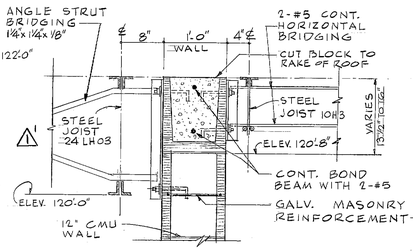
SECTION 2/17|18

SCALE 1" = 1'-0"



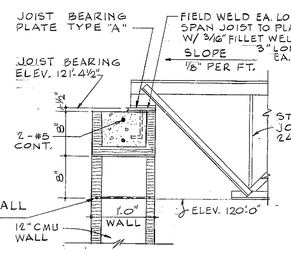
SECTION 3/17|18

SCALE 1" = 1'-0"



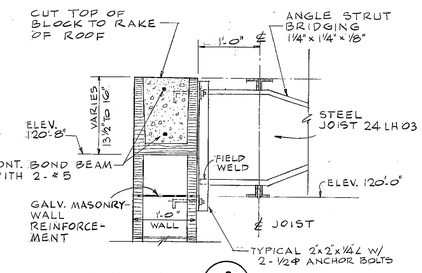
SECTION 4/17|18

SCALE 1" = 1'-0"



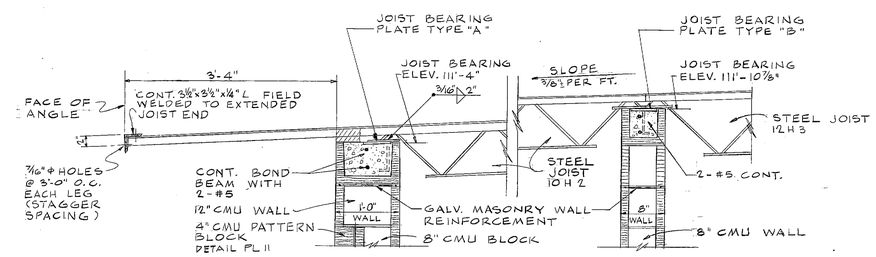
SECTION 5/17|18

SCALE 1" = 1'-0"



SECTION 6/17|18

SCALE 1" = 1'-0"



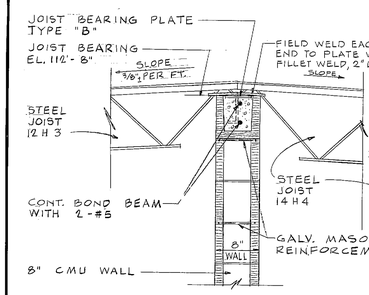
SECTION 7/17|18

SCALE 1" = 1'-0"

SECTION 8/17|18

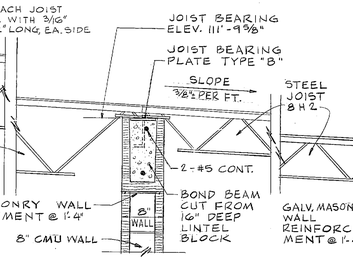
SCALE 1" = 1'-0"

GENERAL NOTE, JOIST BRIDGING:
ALL LONGSPAN JOISTS SHALL HAVE ANGLE STRUT BRIDGING ~ 1 1/4" x 1 1/4" x 1/8", USE BOLT @ INTERSECTION WHEN ANGLE LENGTH EXCEEDS 4'-0". ALL SHORTSPAN JOISTS SHALL HAVE #5 BRIDGING, TOP & BOTTOM CHORD. NO. OF ROWS OF BRIDGING AS SHOWN ON PLAN.



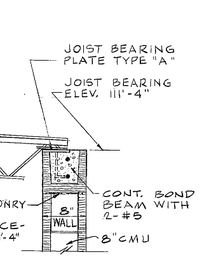
SECTION 9/17|18

SCALE 1" = 1'-0"



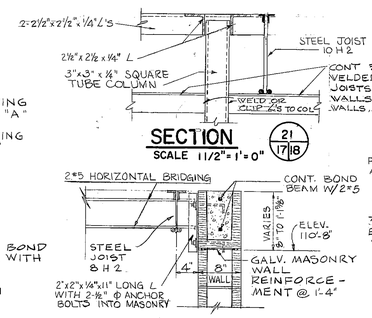
SECTION 10/17|18

SCALE 1" = 1'-0"



SECTION 11/17|18

SCALE 1" = 1'-0"

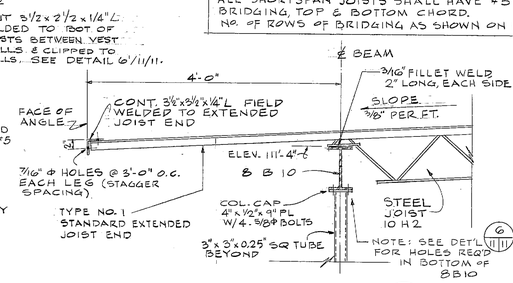


SECTION 21/17|18

SCALE 1 1/2" = 1'-0"

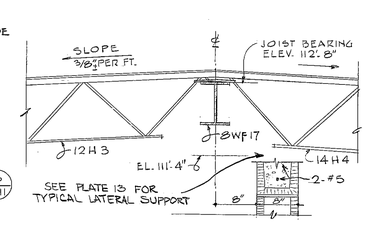
SECTION 12/17|18

SCALE 1" = 1'-0"

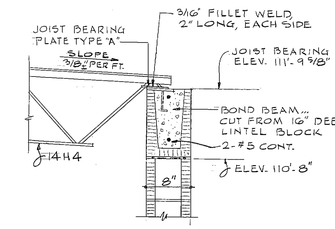


SECTION 13/17|18

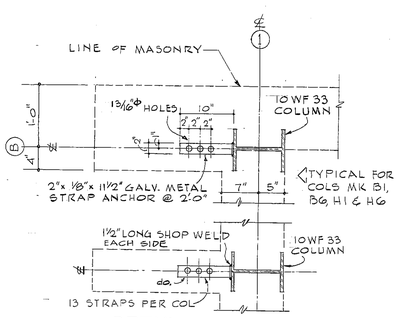
SCALE 1" = 1'-0"



SECTION 14/17|18

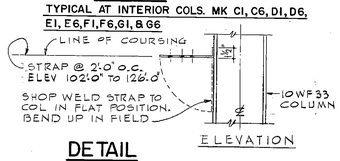


SECTION 15/17|18



DETAIL

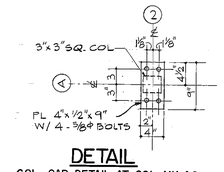
TYPICAL AT INTERIOR COLS. MK C1, C6, D1, D6, E1, E6, F1, F6, G1, & G6



DETAIL

TYPICAL MASONRY ANCHOR DETAILS AT 10WF33 COLS. AT GYMNASIUM

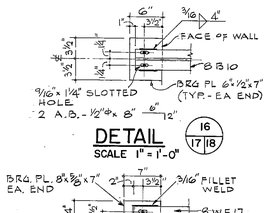
SCALE 1" = 1'-0"



DETAIL

COL. CAP DETAIL AT COL MK A2

SCALE 1" = 1'-0"

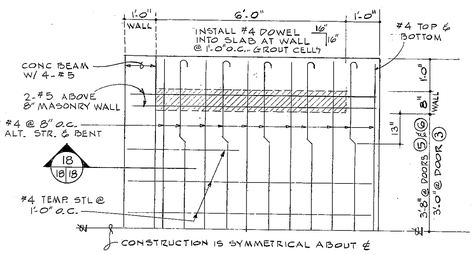


DETAIL 16/17|18

SCALE 1" = 1'-0"

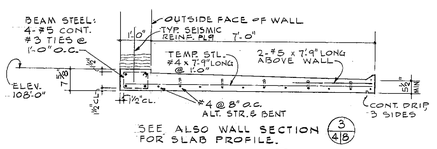
DETAIL 17/17|18

SCALE 1" = 1'-0"



HALF PLAN AT ENTRANCE CANOPY

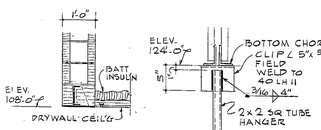
SCALE 1/2" = 1'-0"



SEE ALSO WALL SECTION 5/4|8 FOR SLAB PROFILE.

SECTION 18/18|18|17

SCALE 1/2" = 1'-0"



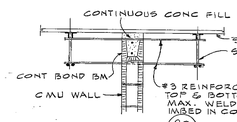
SECTION THRU LINTEL "L-6"

SCALE 1/2" = 1'-0"

DETAIL 19/17|18

SCALE: 1/2" = 1'-0"

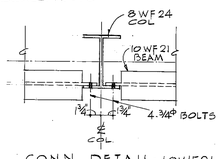
SEE ALSO MEZZANINE DETAILS, PL 9



DETAIL 9/18

TYPICAL INTERIOR WALL ANCHOR DET'L

SCALE: 1/2" = 1'-0"



CONN DETAIL - 10WF21 TO 8WF24 COLUMN

SCALE 1" = 1'-0"

LINTEL SCHEDULE

MK	WALL THKNESS	DESCRIPTION	REMARKS
L-1	8"	2-#4 CONT.	TYPICAL FOR ALL MASONRY OPNGS UP TO (& INCLUDING) 3'-4"
L-2	12"	2-#4 CONT	TYPICAL FOR ALL M.O. UP TO (& INCLUDING) 3'-4" WIDE
L-3	8"	2-#5 CONT	TYPICAL OVER DOORS MK 27 & MK 30
L-4	12"	4-#4 CONT	TYPICAL OVER DOORS MK 7 & MK 14 & WINDOW MK 1
L-5	6"	2-#4 CONT	TYPICAL FOR ALL M.O. IN 6" WALLS
L-6	12"	2" 8U 11.5+ PL 1/4 x 11 1/2 + 1/4" PL STIFFENER @ 16"	AT 12" WALL BETWEEN RMS 24 & 6
L-7	8"	1/4" PL ASSEMBLY	AT DOOR MK 22 & WINDOW MK 3 (PAINT WITH RUST PROOF PAINT)
L-8	8"	2-#6 CONT	TYPICAL OVER DOORS MK 10, 28 & 4
L-9	12"	4-#6	AT 6'-4" OPNG. OVER LOUVERS SEE "WEST ELEVATION", PL 5, & 2/4/7
L-10	8"	2 L5 6'-0" LONG 5"x 5/16"x 3 1/2"	OVER TROPHY CASE, LOBBY #2. SEE DET'L PL 7
L-11	12"	6-#6	"WEST ELEVATION" PL "5

NOTE: MASONRY LINTELS TO BEAR MIN 8" EACH END.

STEEL LINTELS TO BEAR MIN 6" EA. END. LINTELS L-8, L-9 & L-11 BEAR 16" MIN @ EACH END; See "BOND BEAM LINTEL" Detail P. 13.

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SCALE: 1/2" = 1'-0" 0 1 2 3 4 5

SCALE: 1" = 1'-0" 1 0 1 2

GRAPHIC SCALES

NOTE: FURNISH & INSTALL ONE LOOSE ANGLE, SIZE 3"x 1/4"x 3"x 5'-8" LONG AT EACH GYMNASIUM LIGHTING FIXTURE TYPE "W" OR "X". SEE PLAN, PL 23 FOR LAYOUT. FIELD WELD TO BOTTOM OF TOP CHORD OF LONGSPAN JOISTS. INSTALL CONT L 2 1/2 x 1/4 x 2 1/2 @ 12'-0" O.C. AT LIGHTING AT RMS 24 & 23

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
1	REVISED AS BUILT	9APR69	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: JGO
DRAWN BY: JGO
CHECKED BY: DLG
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

STRUCTURAL DETAILS

SCALE: AS SHOWN

DACA 47-67-B-0061

APPROVED: Richard H. Wagner
Lt. Col. C.E.
Deputy District Engineer

DATE DEC 1965

DRAWING NUMBER AS-BLT
AW-31-06-02
SHEET 15

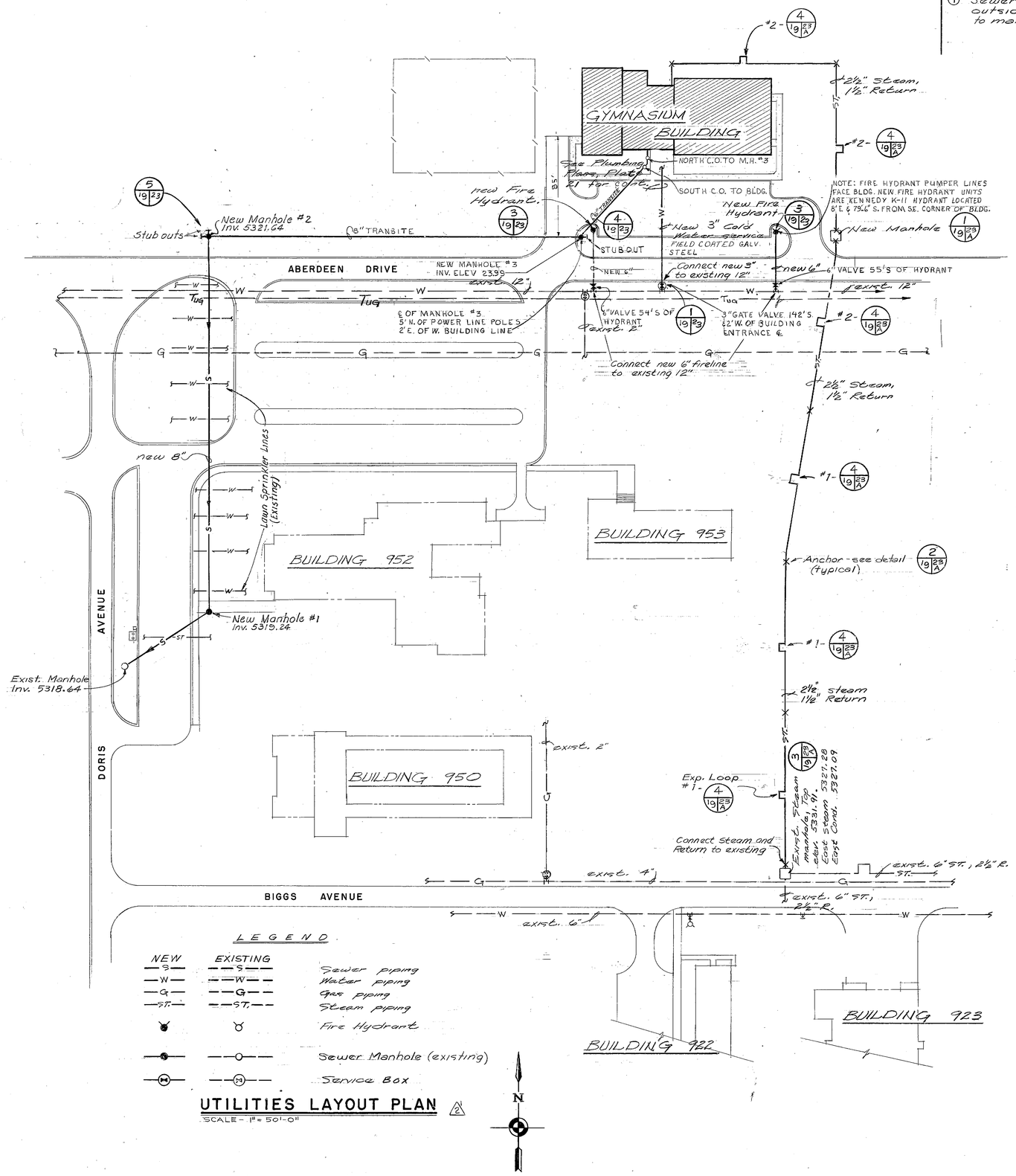
PLATE 18

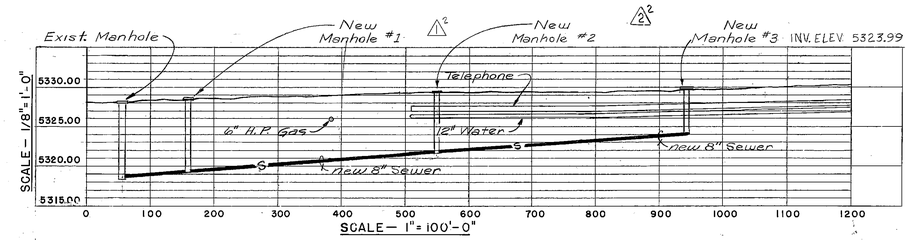
SBS SH-19 DRAWING OF WORK AS BUILT

DISTRICT FILE NO. AA-IN-4/15.1

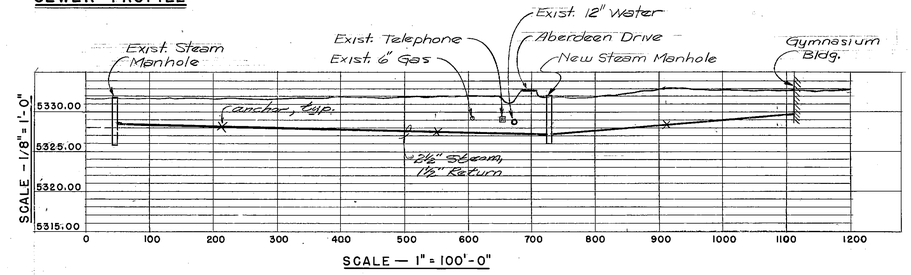
NOTES:

① Sewer to be 4" from Bldg. to 5'-0" outside. 6" from 5'-0" outside to main. Invert at Bldg. 5328.00 ±.





SEWER PROFILE



STEAM LINE PROFILE

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS-BUILT.	9 APR '69	
2	REVISED NEW SEWER LINE LOCATION AND PROFILE	19 MAY 67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: G S
DRAWN BY: C M
CHECKED BY: C L
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Col. C.E., Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

UTILITIES LAYOUT PLAN

SCALE: AS SHOWN

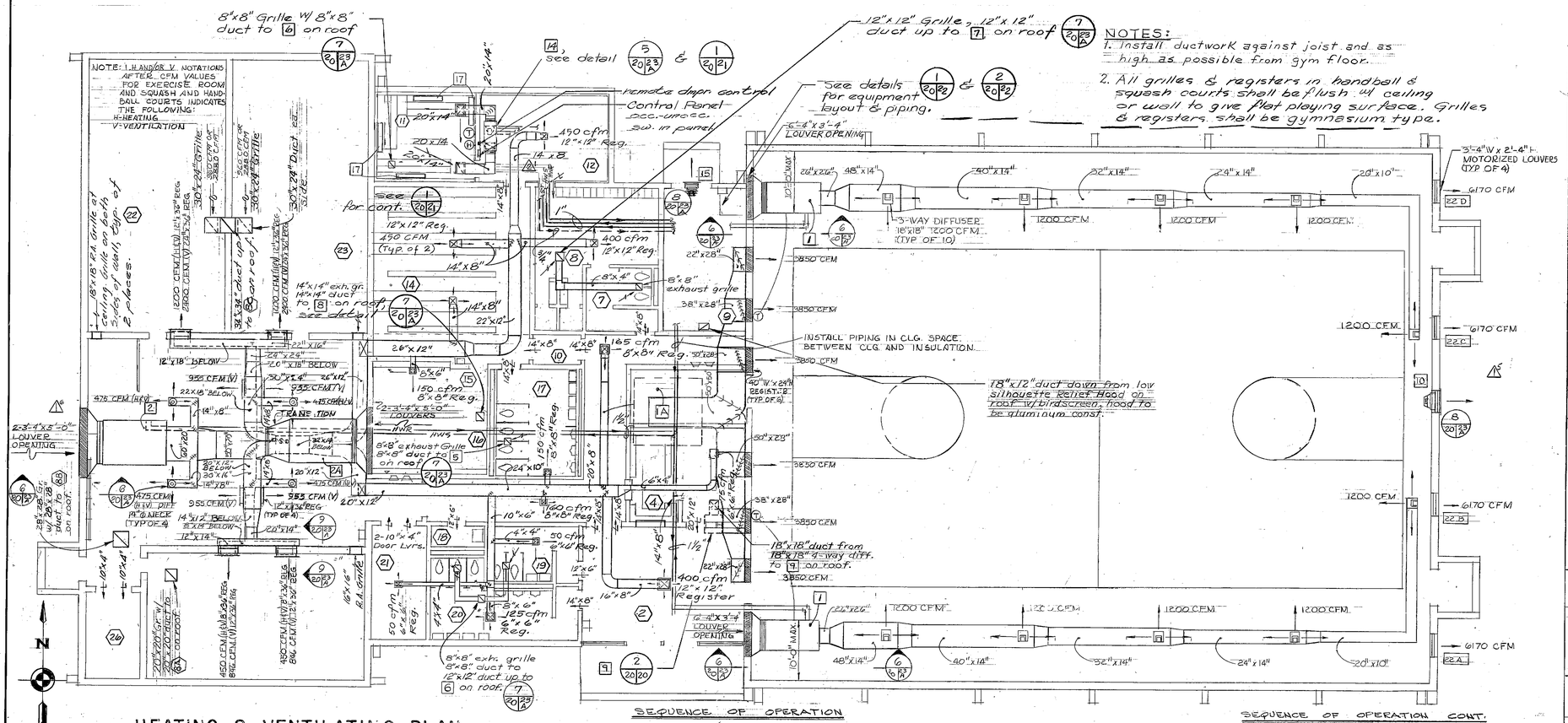
DACA 47-67-B-0061

DRAWING NUMBER AS BLT
AW-31-06-02
SHEET 16
PLATE 19

GRAPHIC SCALES
1/8"=1'-0" 0 4' 8' 16' 24'
1"=50' 0 50' 100' 150'
1"=100' 0 50' 100' 200' 300'

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

585 SH-20 DRAWING OF WORK AS-BUILT DISTRICT FILE NO. AA-IN-4/16.2



NOTES:
1. Install ductwork against joist and as high as possible from gym floor.
2. All grilles & registers in handball & squash courts shall be flush w/ ceiling or wall to give flat playing surface. Grilles & registers shall be gymnasium type.

HEATING & VENTILATING PLAN

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

EQUIPMENT SCHEDULE

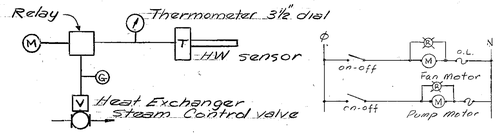
1	HEATING & VENTILATING UNIT: Horizontal unit complete with fan section, combination mixing & filter section & coil 220,000 BTUH Total, 6000 CFM w/22GPM 190°F AVERAGE WATER temperature, 20°F drop, Horizontal unit with approx. 3 H.P.-208V 3ϕ fan motor w/ ADJUSTABLE SHEAVE. PROVIDED REPLACEABLE FILTERS. AIR delivery at 1.0" S.P. 2100 CFM Minimum fresh air, EA DB 50.5°F, LA DB 87°F. * AMERICAN AIR FILTER SIZE 2100	
1A	VENTILATING UNIT: Vertical unit complete with fan section (22,100 cfm capacity), filter section (83.18 ft² min area), 7½ h.p., 208V.-3ϕ-60~ fan motor. Provide replaceable filters. Air delivery @ 3/4" in. S.P. * AMERICAN AIR FILTER SIZE 2330	
2	HEATING & VENTILATING UNIT: Horizontal unit complete with fan section, comb. mixing & filter section & hot water coil. Unit to have 2 h.p., 208V-3ϕ-60~ fan motor & deliver 8275 cfm @ 1.0 S.P. & 262,000 btuh hot water coil utilizing 26.2 GPM 190°F average water, 20°F DROP PROVIDED REPLACEABLE FILTERS. 2970 CFM MINIMUM fresh air, EA DB 51.5°F, LA DB 83°F. * AMERICAN AIR FILTER SIZE 2150	
2A	VENTILATION UNIT: Horizontal unit complete with fan section (10,312 cfm capacity), filter section (41.6 ft² min area), 5 h.p., 208V.-3ϕ-60~ fan motor. Provide replaceable filters. Air delivery @ 3/8" in S.P. * AMERICAN AIR FILTER SIZE 2182	
3 TACO 6212-SR	CONVERTER: Capable of heating 74.0 gals. of water per minute from 180° F. to 200° F. with 5 p.s.i. steam. Copper tubes with steel shell & heads. ASME construction, 125 p.s.i. working pressure.	
4	CIRCULATING PUMP: Close coupled, delivering 74.5 g.p.m. @ 20 ft. head with 3/4 h.p., 208V-3ϕ-60~ motor. Non-overloading. CHICAGO PUMP CO CC 8324	
5 thru 8	* GREENHECK. EXHAUST FANS - Curb base mounted, centrifugal, w/ birdscreen & unit mounted disconnect, individual specs as outlined below, back-draft damp., low silhouette, 120V-1ϕ:	

MODEL	SYMBOL	NO. SPEEDS	CFM	S.P.	RPM	TIP SPEED (fpm)	H.P.(APPROX)	DRIVE
CH 7.5 D	5	1	290	1/8"	1050	—	1/40	direct
CH 9D	6	1	440	1/8"	1550	—	1/15	direct
CBH-10-B	7	1	550	1/4"	690	2660	1/4	belt
CBH-14-4	8	1	1340	1/8"	530	2600	1/4	belt
CBH-18-4	8A	2	720-1074	1/4"	745	3260	1/3	belt
CBH-24-3	8B	2	1540-4576	1/8"	557	3790	1/2	belt
CBH-24-7	8C	2	1920-5760	1/8"	350	3305	3/4	belt

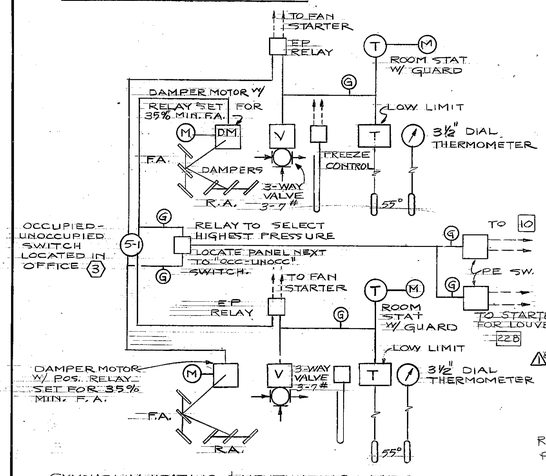
9	EVAPORATIVE COOLER: Horizontal discharge, 1850 CFM at 1/4" S.P. Approx. 1/4 HP-120V-1ϕ. Complete with bleed-off. DEL NORTE B 3000 D	
10	EXHAUST FAN: GREENHECK MODEL SDP-20-6-25-4 propeller fan, vertical mounted, birdscreen, 3400 cfm at 1/8" S.P. 1140 RPM, approx. 1/4 hp motor, 120V-1ϕ, direct drive, furnish motor guard. *	
11	EXPANSION TANK: 24" dia. x 6'-0" long, 30 lb. psig, sight glass, drainer-charger fitting, shut-off cocks (2-req'd), 140 gal. cap. ROY E HANSON JR MFG	
12	CONDENSATE RECEIVER: Capacity 6,000 square feet EDR, discharging against 50 psi at pump. Unit to consist of 2 vertical pumps, each close-coupled to approx. 1/2 HP, 1750 rpm, 208V-3ϕ-60~ motor. Furnish cast iron receiver, w/ low return inlet, mechanical alternator. 45 gallon receiver capacity. ROTH MODEL 38-F-D DUPLEX	
13	FLASH TANK: 12" dia x 3'-0" long, A.S.M.E. construction for 200 psig working pressure. ROY E. HANSON JR MFG	
14	UNIT HEATER: Alum. construction, totally enclosed motor, horizontal type, 200°F inlet water temp. @ 20° drop, 462 cfm, 1.5 gpm, 15,000 BTU/H, approx. 1/3 HP, 120V-1ϕ MODINE HS 160 FAN & MOTOR FOR UNIT REPLACED (BY OTHERS) WITH DUCT FAN, EXTERNALLY MOUNTED MOTOR - PEERLESS, MODEL PF 12B, 1/4 H.P. 12" DUCT FAN.	
15	GREENHECK MODEL SDP-20-6-10-12. EXHAUST FAN: Same as 10 except 1098 cfm at 1/8" S.P., 860 RPM MOTOR 1/12 hp, 120V-1ϕ. *	
16	HOT WATER GENERATOR: BELL & GOSSETT TYPE TCS 6A/6 Steam converter tube, Cap. 75 heat 643 GPH from 40°F TO 140°F using 5 PSI Steam, 8' long x 4' diam., 755 gal. min. storage cap.	
17	FINTUBE RADIATION: Bare element, 3 foot long, 1" copper x 3 1/4" - 48 fins/ft. delivering 900 BTU/H/lin. ft. with 190° AVE. water, 2 GPM. SAHEMENAUR CA-1-	
18 THRU 21	BOYLSTON No. 205 PRV STATION: pilot operated, stainless steel trim, 18 840#/hr. -125 psi to 40 psi. 20 400#/hr. -40 psi to 5 psi. 19 1500#/hr. -125 psi to 40 psi. 21 2500#/hr. -40 psi to 5 psi.	
22	LOUVERS MOTOR CONTROLLED: 40"x28" adjustable louvers KRUEGER SERIES XY-70- 22A thru 22D. *	

* Louvers to be weatherproof w/ birdscreen.

HEAT EXCHANGER CONTROL



GYMNASIUM HEATING & VENTILATING UNITS



NOTE: Unit 2 same as above less "Occupied-Unoccupied" switch & exhaust fans 8A, 8B, & 8C in place of 10 & 22B.

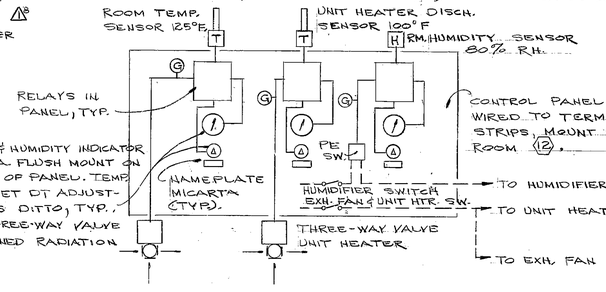
CONTROL DIAGRAMS

NO SCALE

SEQUENCE OF OPERATION

Gymnasium H&V Unit: The two gym. units shall be in accordance w/ ASHRAE Cycle II. A room t'stat. shall control through a low limit set at 55° a three-way mixing valve on the heating coil and the fresh air and return air motorized dampers. The fresh air damper shall close on fan shutdown through an EP relay. A freeze controller with 20' non-averaging element shall be located down stream from the heating coil and shall stop the fan and close the fresh air damper when the temp. reaches a freezing condition. An occupied-unoccupied switch shall be located in a control panel in the office. The fresh air damper shall be closed in the unoccupied position and open in the occupied position. A relay which selects the highest pressure of the air to the damper motors of the two H&V units shall also be located in a panel. This relay will sequence the exhaust fans so that fan, item 10, shall operate at approx. 29% fresh air, and louver 22B, shall operate and open when the fresh air dampers reach the approx. 60% open position. Control of the Office Area H&V Unit 2 shall be according to ASHRAE Cycle II.

Steam Room Unit: Direct radiation in the Steam Room shall be controlled by a room temp. sensor set at 125° and a three-way mixing valve on the supply to the radiation. Control of the unit heater shall be by means of a sensor set at 100°, controlling a three-way valve on the supply of the water to the unit heater. Room humidity shall be maintained at 80% by a room humidistat controlling the humidifier through a press.-electric switch. A control panel shall be located in the Massage Room which shall contain temp. indicators for the room sensor & the unit heater discharge, and shall also contain a relative humidity indicator for the Steam Room. Temp. and humidity indication shall be by means of gages with 3½" dials. Temp. and humidity adjustments with a suitable nameplate shall also be located on control panel. The panel shall also contain a switch to shut off the humidifier and also a switch to start and stop the unit heater fan and exhaust fan.



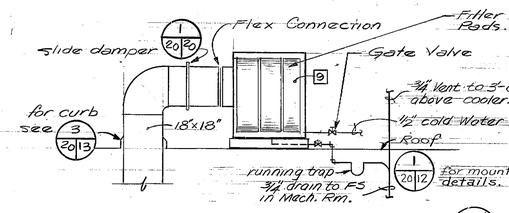
STEAM ROOM UNIT

SEQUENCE OF OPERATION CONT.

Heating Convertor: control of the heating water shall be by means of a temp. sensor located in the disch. of the convertor which will control a convertor steam valve through a relay.

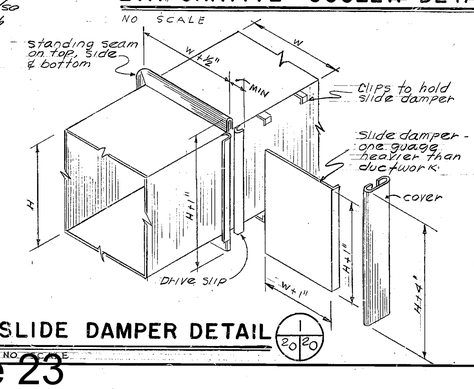
Control Equipment: Remote bulb thermometers shall be located in the disch. of all remote bulb controllers as shown on the Control Diagrams. Ea. controller shall have an air gage in the branch line to the controlled valve or damper motor. Control panel shall be factory wired to terminal strips and contain all adjustments for the Steam Room. Control Valve: max. pressure drop to be per manufactures recommendations.

EVAPORATIVE COOLER DETAIL



SLIDE DAMPER DETAIL

NO SCALE



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SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS BUILT.	9 APR '69	AT
	EQUIPMENT SCHEDULE, REMOVED URINAL SCREENS	30 Nov 67	
	DETAIL ADDED, CHANGED LOUVER NOS., AND REVISED		
1	LAYOUT OF HEATING & VENTILATION SYSTEM CHANGED,		

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: C.L.L.
DRAWN BY: G.D.S.
CHECKED BY: C.L.L.
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Lt. Col. C.E. Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

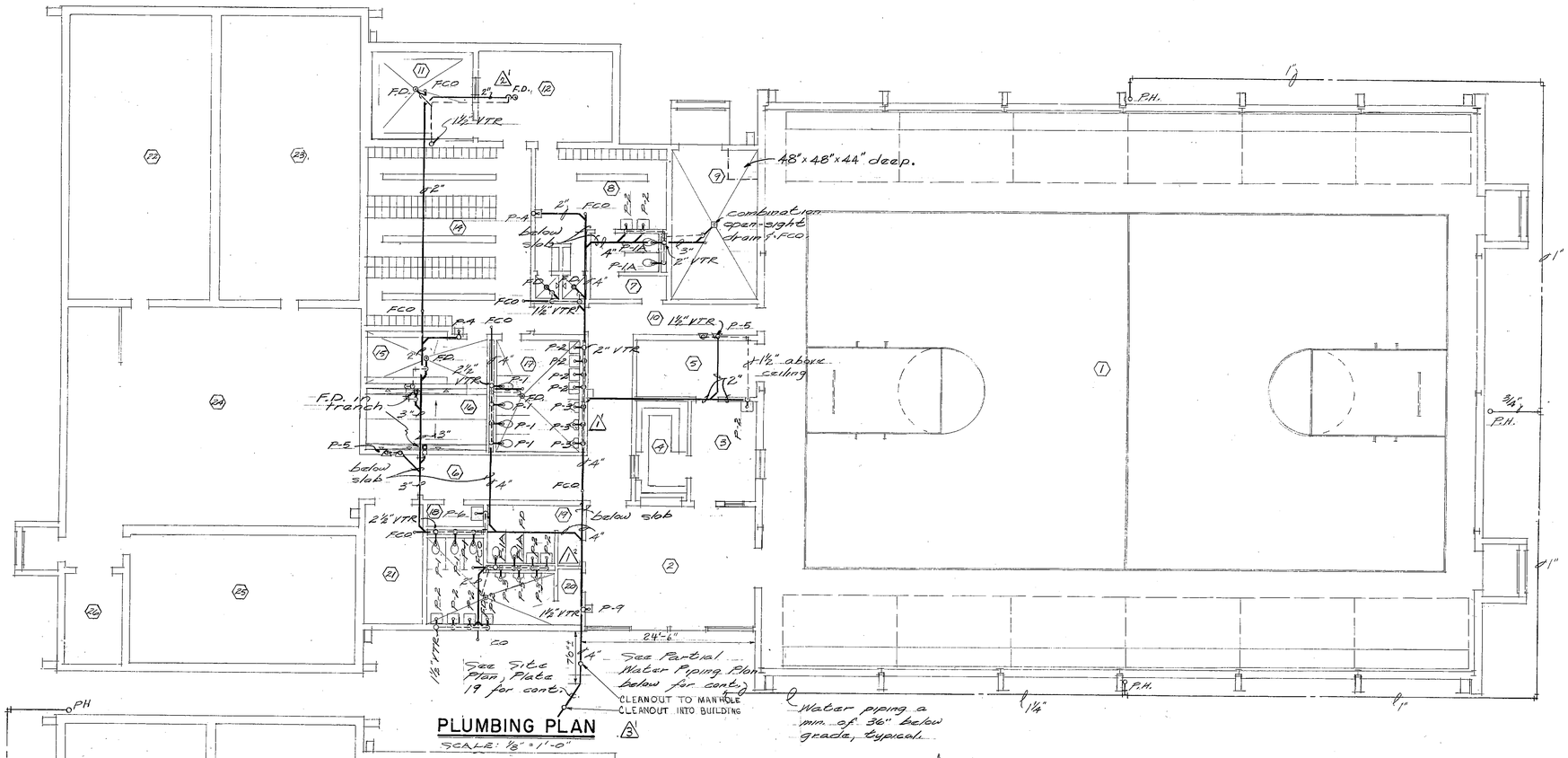
HEATING & VENTILATING PLAN & DETAILS

SCALE: AS SHOWN

DACA 47-67-B-0061

DRAWING NUMBER AS-BLT AW-31-06-02 PLATE 20 SHEET 17

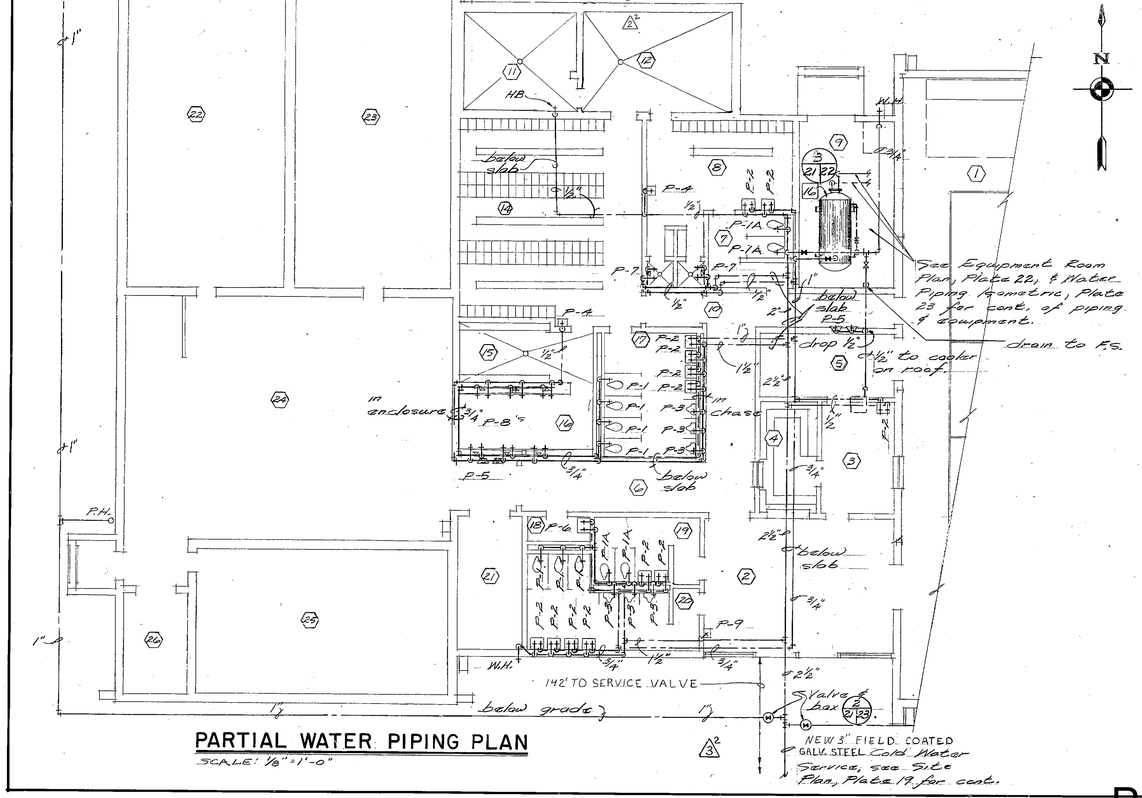
585 SH-21 DRAWING OF WORK AS BUILT DISTRICT FILE NO. AA-IN-4/17.2



PLUMBING PLAN

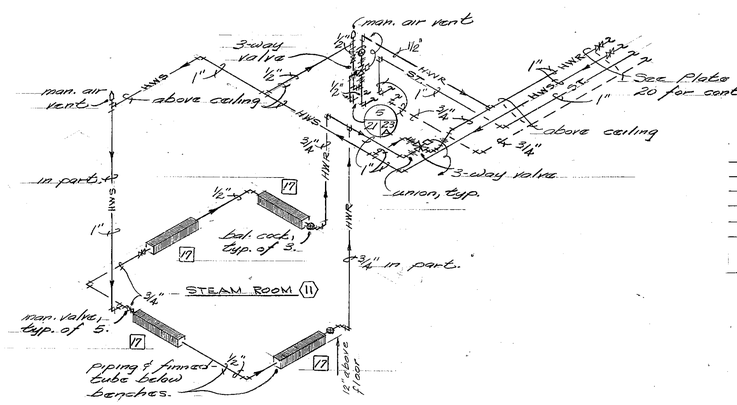
SCALE: 1/8" = 1'-0"

PLUMBING FIXTURE SCHEDULE						
FIXTURE	DESCRIPTION	VENT	WASTE	TRAP	HW	CW
P-1	WATER CLOSET	2"	4"	3"	—	1"
P-2	LAVATORY	1½"	2"	1½"	½"	½"
P-3	URINAL	1½"	2"	2"	—	¾"
P-4	DRINKING FOUNTAIN	1½"	2"	1½"	—	½"
P-5	D.F. & CUSPIDOR	1½"	2"	1½"	—	½"
P-6	SERVICE SINK	1½"	3"	3"	½"	½"
P-7	SHOWER	1½"	2"	2"	½"	½"
P-8	SHOWER	1½"	2"	2"	½"	½"
W.H.	WALL HYDRANT	—	—	—	—	¾"
P.H.	POST HYDRANT	—	—	—	—	¾"
P-9	EWC	1½"	2"	1½"	—	½"
P-1A	WATER CLOSET	2"	4"	3"	—	1"



PARTIAL WATER PIPING PLAN

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



STEAM ROOM PIPING ISOMETRIC

NO SCALE

L E G E N D

VTR	Vent thru roof
FCO	Floor cleanout
WCO	Wall cleanout
WH	Wall Hydrant
PH	Post Hydrant
CO	Cleanout
FD	Floor drain
FS	Floor sink
——	Cold water
— —	Hot water
— — —	Recirculating water
—W—	Water
—G—	Gas
—S—	Sewer
HB	Hose bibb
EWC	Electric Water Cooler

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS-BUILT	9APR'69	
1	ADDED F.D. IN RM. 12	12 Sep 67	
1	REMOVED URINAL SCREENS	28 MARCH	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: CM
DRAWN BY: CM
CHECKED BY:
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Col., Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

PLUMBING PLANS & DETAILS

SCALE: AS SHOWN

DACA 47-67-B-0061

DRAWING NUMBER AS-BLT AW-31-06-02

PLATE 21

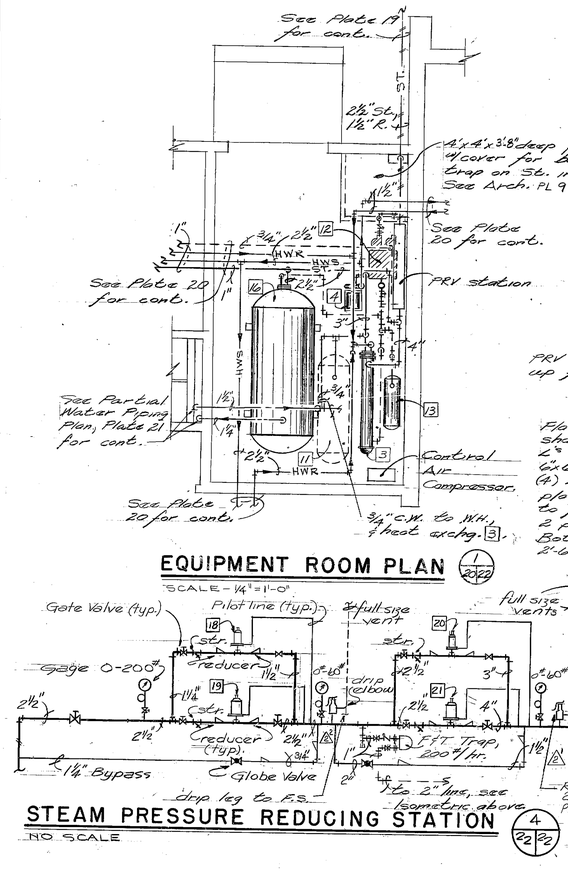
SHEET 18

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SCALE: 1/8" = 1'-0" 0 1' 2' 3' 4' 5' 6' 7' 8' 16' 24'

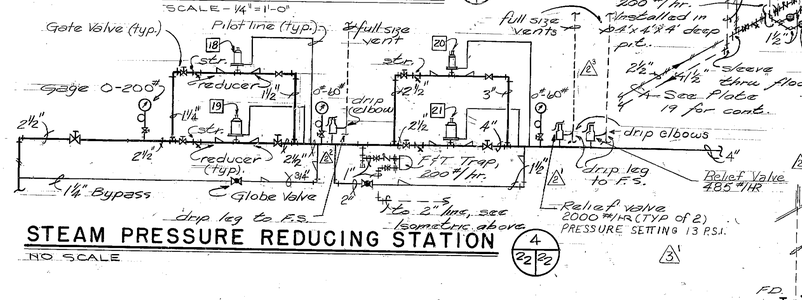
585 SH-22 DRAWING OF WORK AS-BUILT

DISTRICT FILE NO. AA-IN-4/18.3



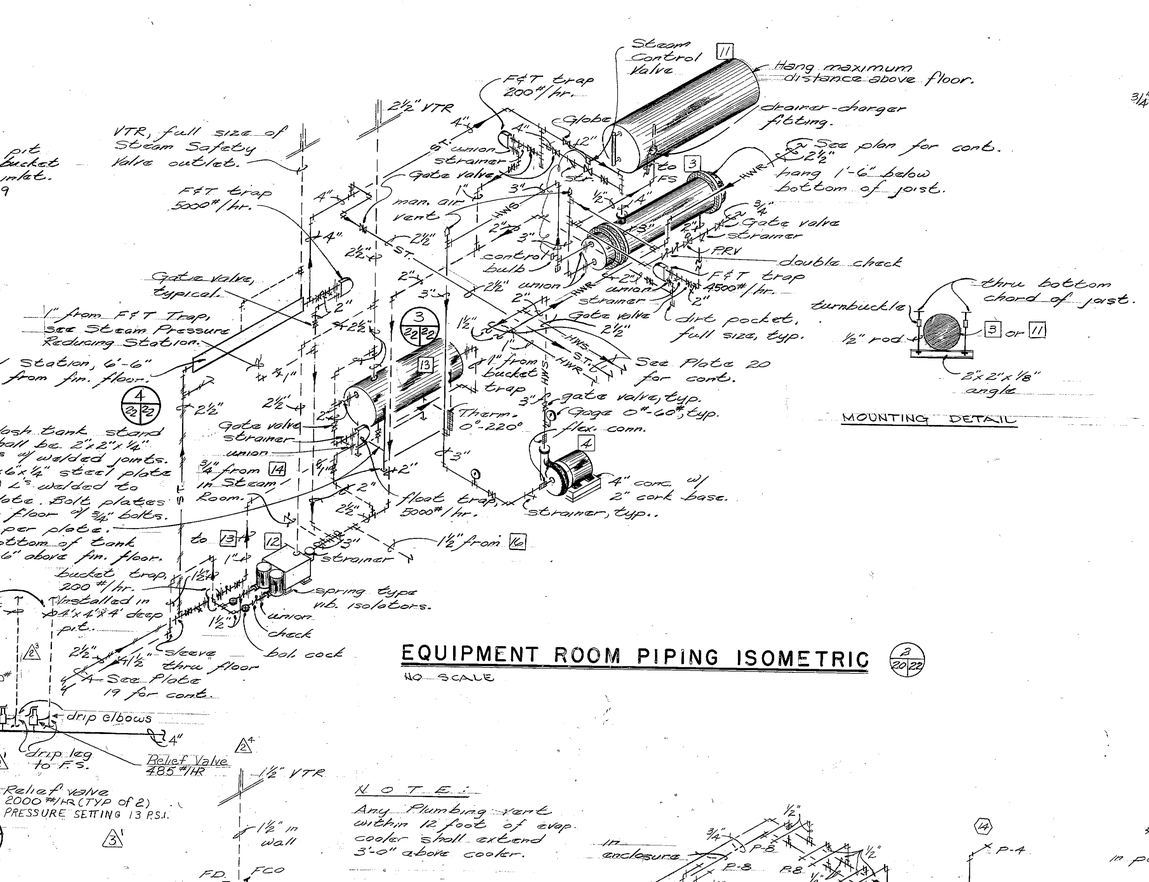
EQUIPMENT ROOM PLAN (1/20 22)

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



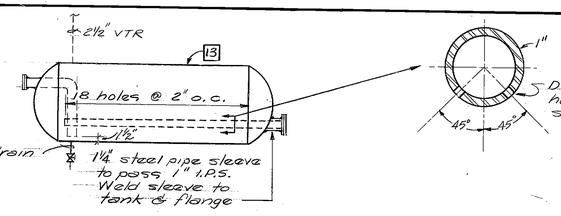
STEAM PRESSURE REDUCING STATION (4/22 22)

NO SCALE



EQUIPMENT ROOM PIPING ISOMETRIC (3/20 22)

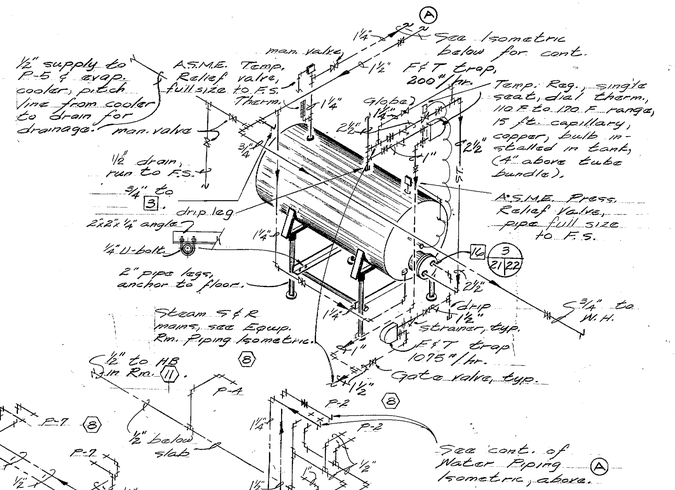
NO SCALE



FLASH TANK DETAIL (3/22 22)

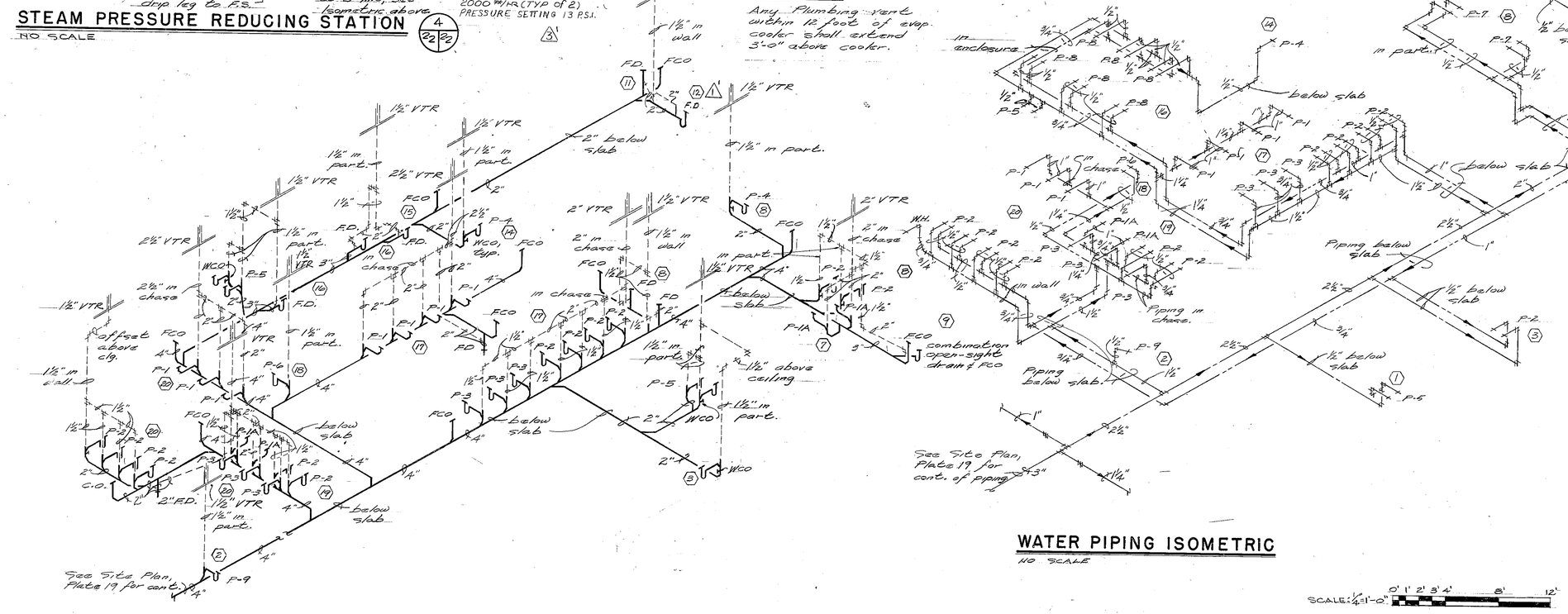
NO SCALE

Storage Tank shall be A.S.M.E. const., glass-lined, fittings as indicated, 8' long x 4' dia., min. of 755 gal. storage.



NOTE:

Any Plumbing vent within 12 foot of evap. cooler shall extend 3'-0" above cooler.



SOIL WASTE & VENT ISOMETRIC

NO SCALE

WATER PIPING ISOMETRIC

NO SCALE

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

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
3	REVISED AS-BUILT	9 APR '69	
2	CHANGED PIPE SIZES AND ADDED A VALVE	2/12/68	
1	ADDED F.D. TO RM. 12	12 Sep 67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: CM
DRAWN BY: CM
CHECKED BY:
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Lt. Col. C.E. Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

EQUIPMENT ROOM PLAN & DETAILS

SCALE: AS SHOWN

DACA 47-67-B-0061

DRAWING NUMBER AS-BLT AW-31-06-02

PLATE 22

SHEET 19

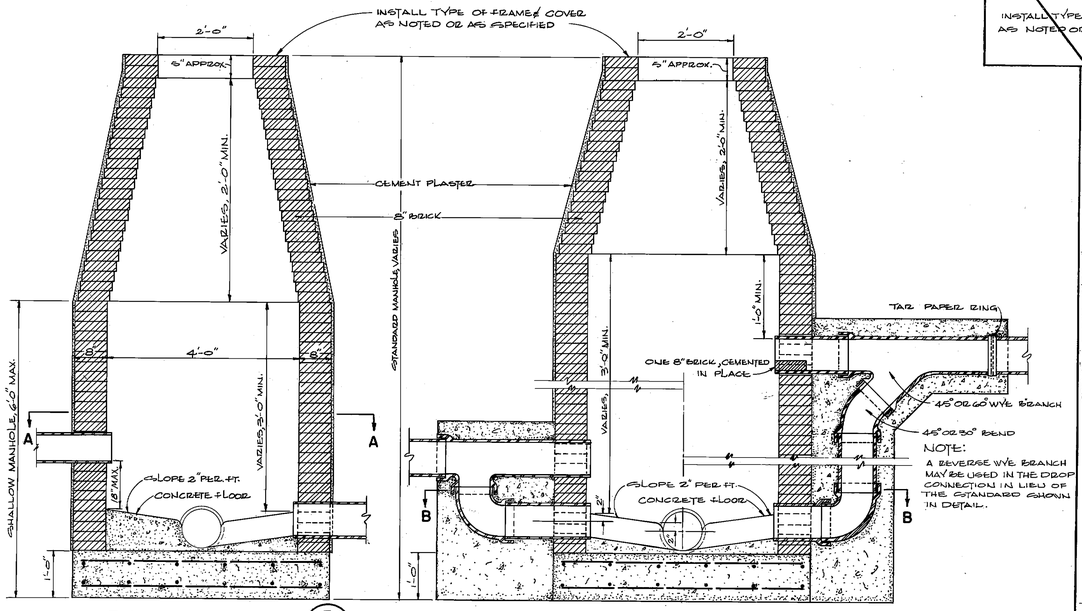
585 SH-23 DRAWING OF WORK AS-BUILT

DISTRICT FILE NO. AA-IN-4/19.3

CORPS OF ENGINEERS

U.S. ARMY

REVISIONS			
SYMBOL	DATE	DESCRIPTIONS	APPROVAL
12	9APR'69	REVISED AS-BUILT	



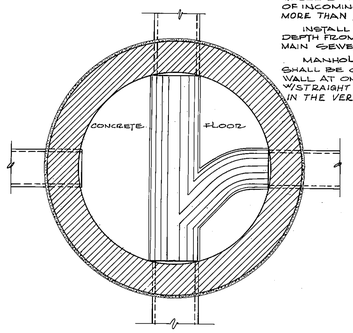
TYPICAL SECTION WITH USUAL CONNECTIONS (5 / 19 23)

TYPICAL SECTION WITH DROP CONNECTIONS (4 / 19 23)

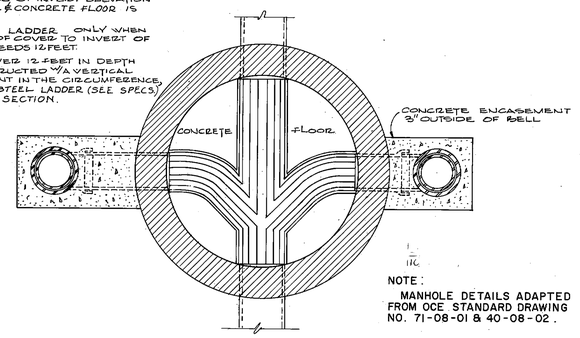
NOTE:
A DROP MANHOLE CONNECTION IS REQ'D WHERE DIFFERENCE OF INVERT ELEVATION OF INCOMING PIPE & CONCRETE FLOOR IS MORE THAN 18".

INSTALL STEEL LADDER ONLY WHEN DEPTH FROM TOP OF COVER TO INVERT OF MAIN SEWER EXCEEDS 12 FEET.

MANHOLES OVER 12 FEET IN DEPTH SHALL BE CONSTRUCTED W/A VERTICAL WALL AT ONE POINT IN THE CIRCUMFERENCE, W/STRAIGHT TYPE STEEL LADDER (SEE SPECS) IN THE VERTICAL SECTION.



HORIZONTAL SECTION A-A



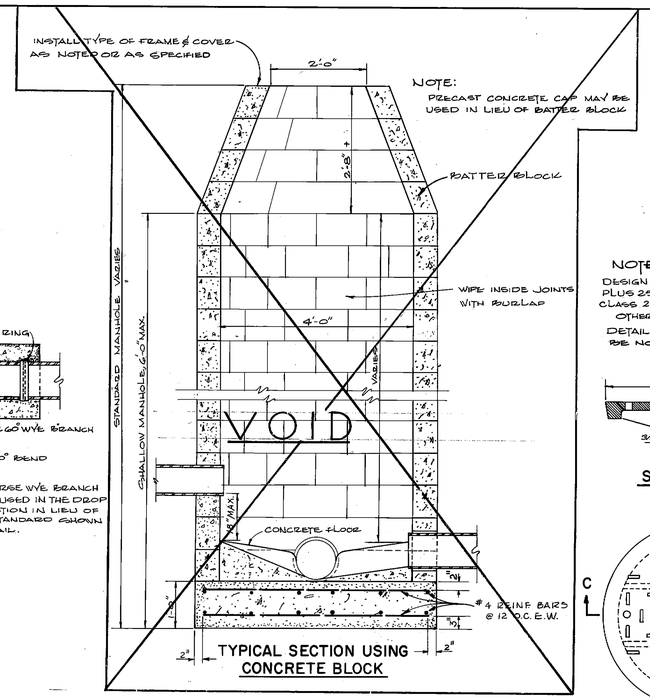
HORIZONTAL SECTION B-B

NOTE:
MANHOLE DETAILS ADAPTED FROM OCE STANDARD DRAWING NO. 71-08-01 & 40-08-02.

DETAILS – STANDARD AND SHALLOW MANHOLES

SCALE: 3/4" = 1'-0"

NOTE: PRECAST CONCRETE SEGMENTAL BLOCK USED

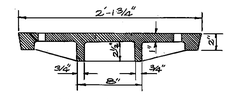


TYPICAL SECTION USING CONCRETE BLOCK

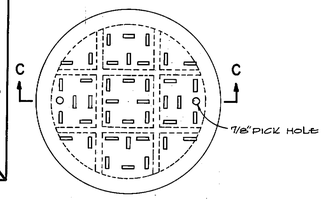
NOTES: CAST IRON COVER & FRAMES

DESIGN IS BASED ON A WHEEL LOAD OF 16,000 POUNDS PLUS 25% ALLOWANCE FOR IMPACT AND THE USE OF CLASS 20 CAST IRON (FED SPEC. QQ-I-652).

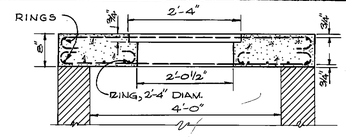
OTHER DESIGNS DIFFERING ONLY IN NON-ESSENTIAL DETAILS MAY BE USED. TOTAL WEIGHT SHALL BE NOT LESS THAN 400 POUNDS.



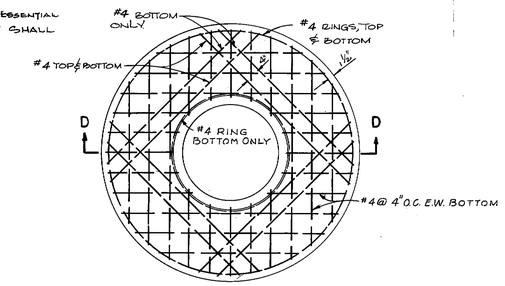
SECTION C-C



PLAN OF COVER



SECTION D-D



PLAN

CONCRETE COLLAR FOR SHALLOW MANHOLE

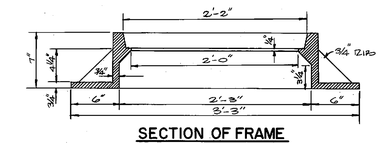
SCALE: 3/4" = 1'-0"

NOTES, CONCRETE COLLARS:

USE CLASS A CONCRETE. STEEL RINGS MAY BE EITHER LAPPED OR WELDED AT ENDS. ALL BARS SHALL BE HOOKED TO RINGS.

NOTES:

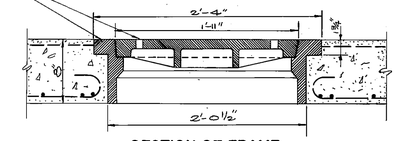
SHALLOW MANHOLE RING & COVER SHALL BE OF HEAVY TRAFFIC TYPE & SHALL HAVE A TOTAL WEIGHT OF NOT LESS THAN 350 LBS.



SECTION OF FRAME

CAST IRON FRAME & COVER FOR STANDARD MANHOLE

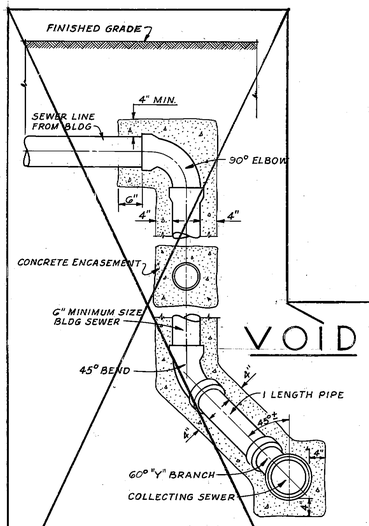
SCALE: 1 1/2" = 1'-0"



SECTION OF FRAME

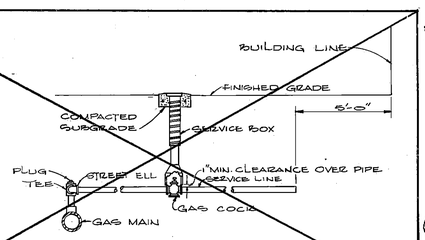
CAST IRON FRAME & COVER FOR SHALLOW MANHOLE

SCALE: 1 1/2" = 1'-0"



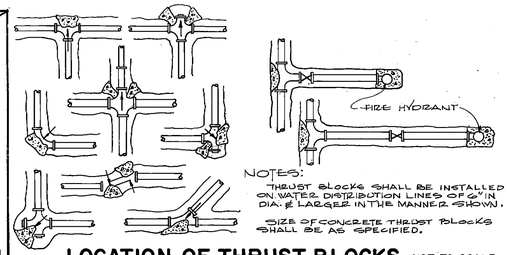
DEEP SEWER TYPICAL SERVICE CONNECTION

NOT TO SCALE



TYPICAL GAS SERVICE CONNECTION

NOT TO SCALE



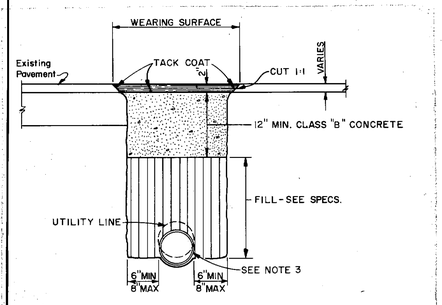
NOTES:

THRUST BLOCKS SHALL BE INSTALLED ON WATER DISTRIBUTION LINES OF 6" IN DIA. & LARGER IN THE MANNER SHOWN.

SIZE OF CONCRETE THRUST BLOCKS SHALL BE AS SPECIFIED.

LOCATION OF THRUST BLOCKS

NOT TO SCALE

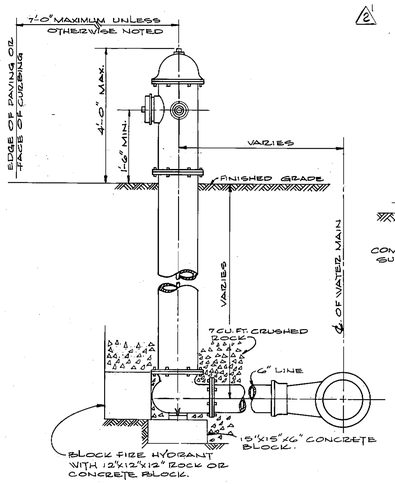


FOR UTILITY LINES ACROSS EXISTING ASPHALTIC CONCRETE PAVEMENT

NOTES:

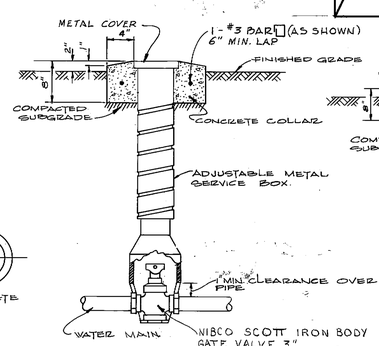
1. Replace wearing surface with Hot Mix or Hot Mix Cold-Lay 2 inches thick.
2. Finished grade shall match existing grade.
3. Trench width and depth varies. For Sanitary Sewer Lines shape trench bottom so that bottom quadrant of pipe rests on undisturbed soil.

PAVEMENT REPLACEMENT DETAIL



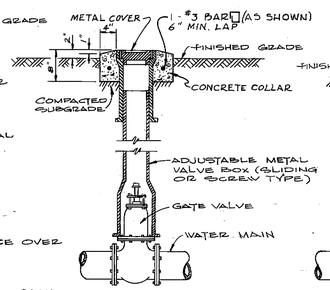
TYPICAL FIRE HYDRANT SETTING (3 / 19 23)

SCALE: 3/4" = 1'-0"



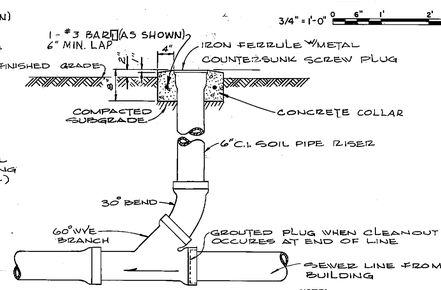
SERVICE BOX (1 / 19 23)

NOT TO SCALE



VALVE BOX (2 / 21 23)

SCALE: 3/4" = 1'-0"



SEWER CLEANOUT

SCALE 3/4" = 1'-0"

GRAPHIC SCALES

1-1/2" = 1'-0" 0 6" 1' 2"

3/4" = 1'-0" 0 6" 1' 2' 3' 4'

NOTE:

All operations performed in accomplishing this work shall be done in accordance with the applicable provisions of the Corps of Engineers Manual "General Safety Requirements" and the contract specifications.

SYMBOL	DATE	DESCRIPTIONS	APPROVAL
N	17, MAR 67	REVISED PAVEMENT REPLACEMENT DETAIL	
H	OCT 1964	REVISED DEEP SEWER CONNECTION, PVMT REPLACEMENT NOTES	
G	JUN 1964	DELETED FIRE HYDRANT WITH VALVE — ADDED PAVEMENT REPLACEMENT DETAIL	
F	JAN 1964	DELETED RUNGS AND REVISED NOTES	
E	NOV. 1963	REVISED INV. ELEV. OF INCOMING PIPE AND RUNGS IN M.H.	
D	APR 1963	REVISED CONC COLLARS & INV ELEV OF INCOMING PIPE IN MH.	
C	MAY 1962	ADDED REINF. BARS TO CONC. COLLARS & MANHOLE FLR. SLABS	
B	MAY 1961	SHEET REDRAWN	
A	17, OCT 56	GENERAL REVISIONS AND ADDITIONS	

REVISIONS

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE NEW MEXICO

DRAWN BY: JLS
TRACED BY: JLS
CHECKED BY:
SUBMITTED BY: Chief, Design Branch
RECOMMENDED: Chief, Engr. Division
APPROVED: Richard P. Wagner, Lt. Col., C.E., Deputy/District Engineer
DATE: DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

STANDARD DETAILS
SEWER AND WATER

SCALE: AS SHOWN

DACA 47-67-B-0061

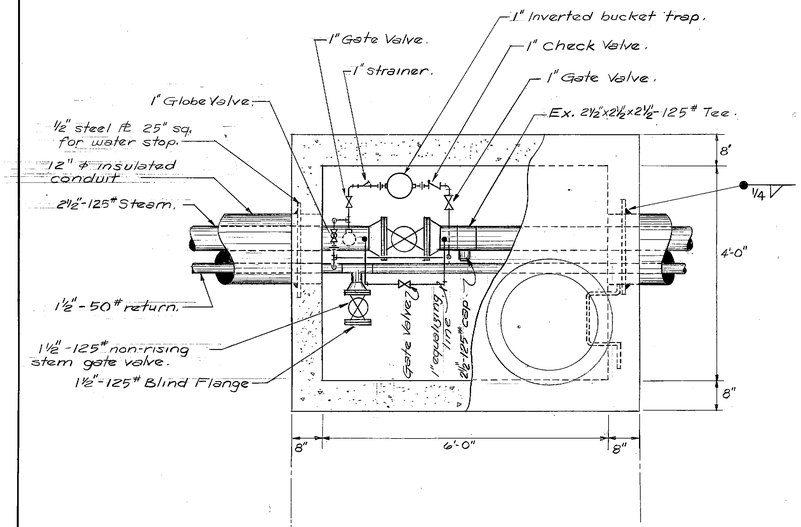
DRAWING NUMBER AS-BLT: AW-31-06-02

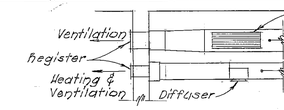
PLATE 23

SHEET 20

585 SH-24 · DRAWING OF WORK AS-BUILT

DISTRICT FILE NO AA-IN-4/20.2



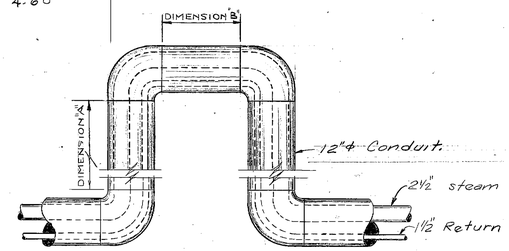


NOTE: Arrangement Similar Between Exercise Rm. & Handball Courts. 3

HEATING & VENTILATING DUCT DETAILS (9 / 20 23A)

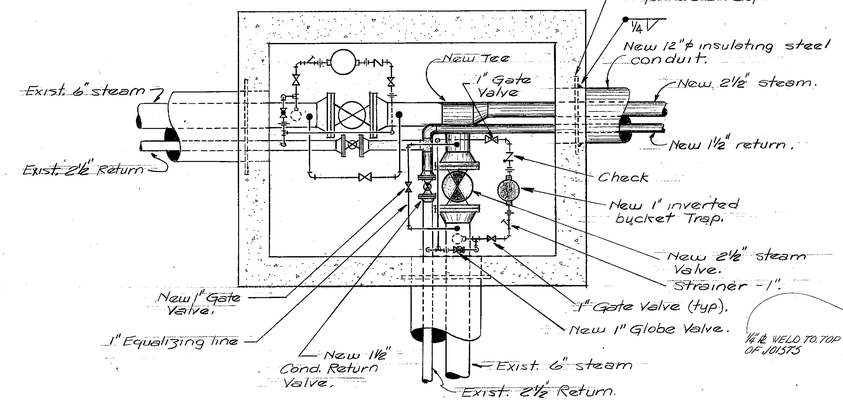
NO SCALE

EXPANSION LOOP SCHEDULE			
LOOP NO.	DIMENSION "A"	DIMENSION "B"	TOTAL EXPANSION
1	9'-0"	3'-0"	4.08"
2	9'-6"	3'-0"	4.60"



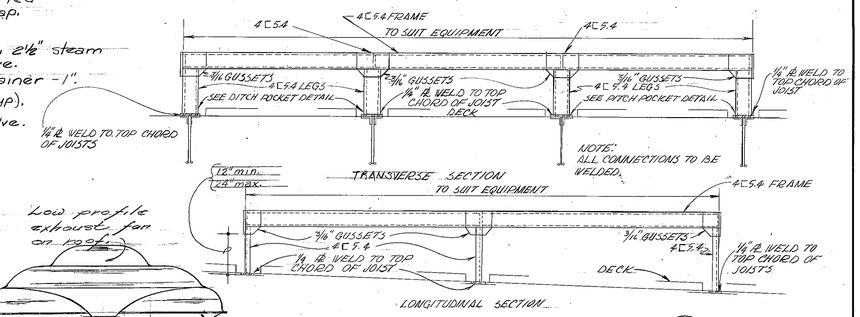
EXPANSION LOOP DETAIL (4 / 19 23A)

NO SCALE



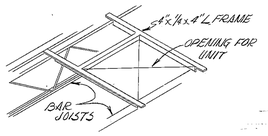
STEAM MANHOLE TAP-IN DETAIL (3 / 19 23A)

NO SCALE



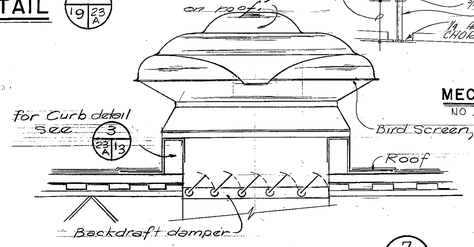
MECHANICAL EQUIPMENT PLATFORM DETAIL (22 / 17 23A)

NO SCALE:



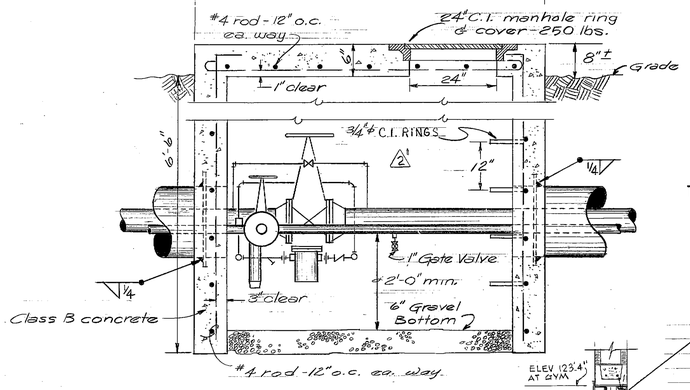
TYPICAL FRAMING AROUND ROOF PENETRATIONS DETAIL (23 / 17 22A)

NO SCALE



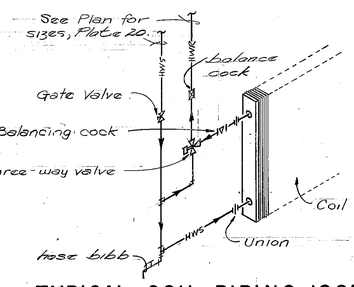
EXHAUST FAN DETAIL (7 / 20 23A)

NO SCALE



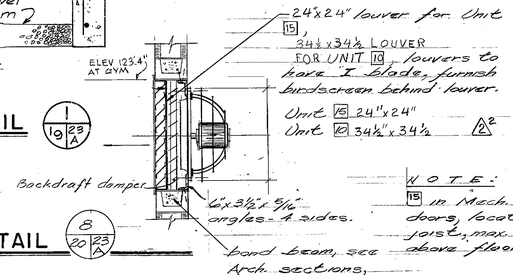
STEAM MANHOLE DETAIL (1 / 19 23A)

NO SCALE



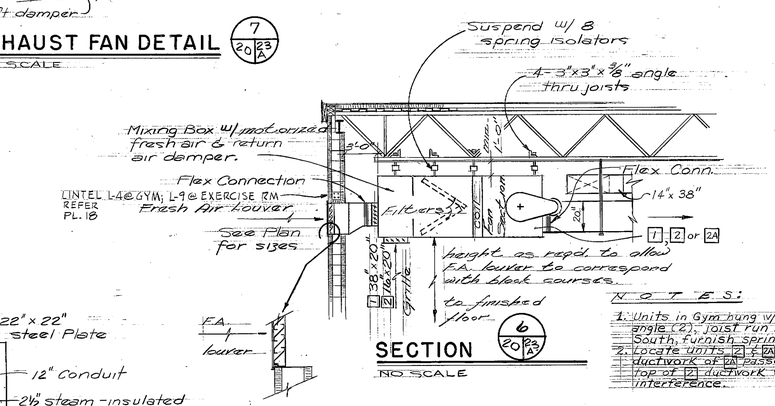
TYPICAL COIL PIPING ISOMETRIC

NO SCALE



NOTE: 15 in Mech. Room above doors, locate to clear joist, max. distance above floor.

EXHAUST FAN DETAIL (8 / 20 23A)

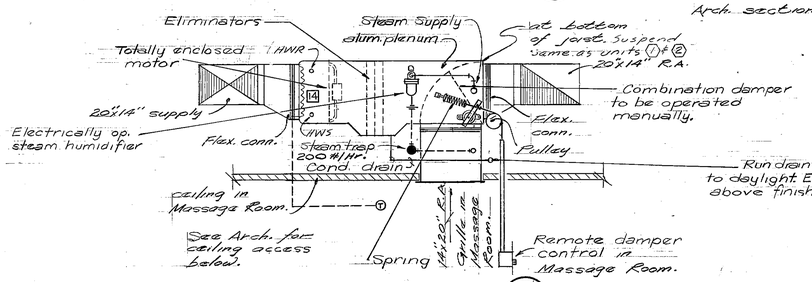


SECTION (6 / 20 23A)

NO SCALE

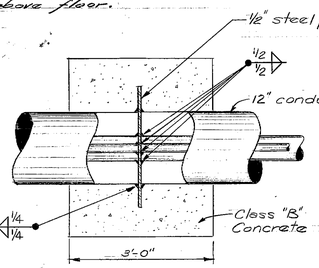
NOTES:

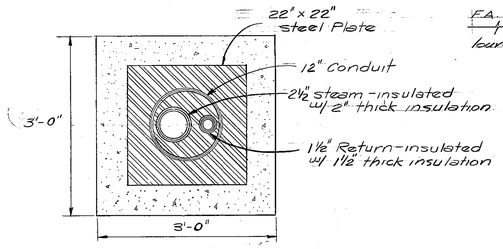
1. Units in Gym hung w/ 5"x5/16"x3½" angle (2), joist run North and South, furnish spring isolators.
2. Locate units 2 & 2A so that ductwork of 2A passes over top of 2 ductwork without interference.



UNIT HEATER DETAIL (5 / 20 21 23A)

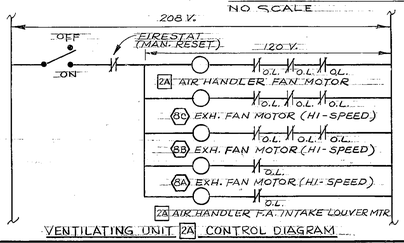
NO SCALE





ANCHOR DETAIL (2 / 19 23A)

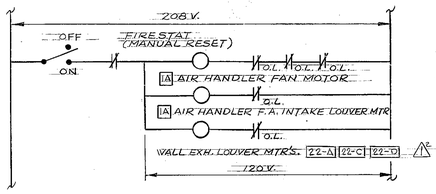
NO SCALE



VENTILATING UNIT 2A CONTROL DIAGRAM

CONTROL SEQUENCE:

Ventilating Unit 2A begins operating and Exhaust Fans 3A, 3B & 3C begin operating at high speed when the "On-Off" switch in main office is turned "On".



VENTILATING UNIT 1A CONTROL DIAGRAM

CONTROL SEQUENCE:

Ventilating Unit 1A begins operating and Exhaust Louvers 22-A, 22-C & 22-D open when the "On-Off" switch in main office is turned "On". 1

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
2	REVISED AS-BUILT	9 APR '69	
1	CHANGED LOUVER NOS. AND ADDED DETAIL	30 MAR 67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: C.L.L.
DRAWN BY: S.P.C.
CHECKED BY: C.L.L.
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Lt. Col. C.E. Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

MECHANICAL DETAILS

SCALE: AS SHOWN

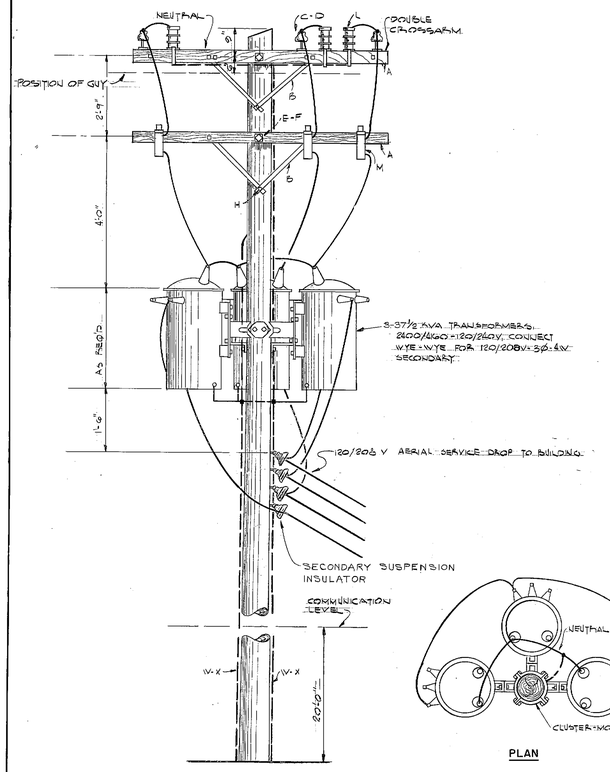
DACA 47-67-B-0061

DRAWING NUMBER AS-BLT
AW-31-06-02
SHEET 21

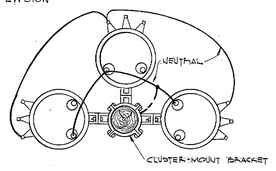
PLATE 23A

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

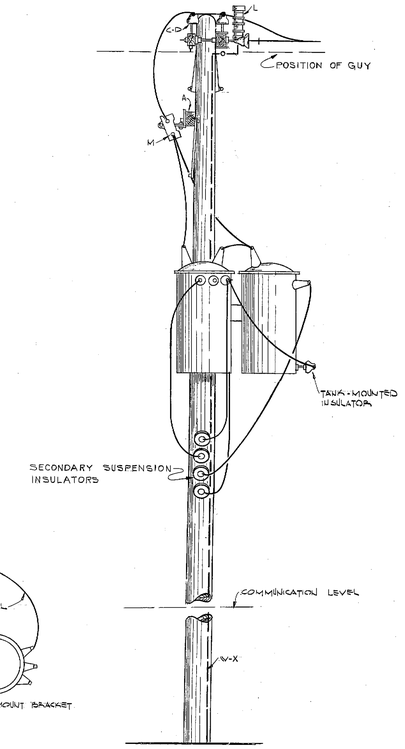
585 SH-25 DRAWING OF WORK AS-BUILT DISTRICT FILE NO. AA-IN-4/21.2



FRONT

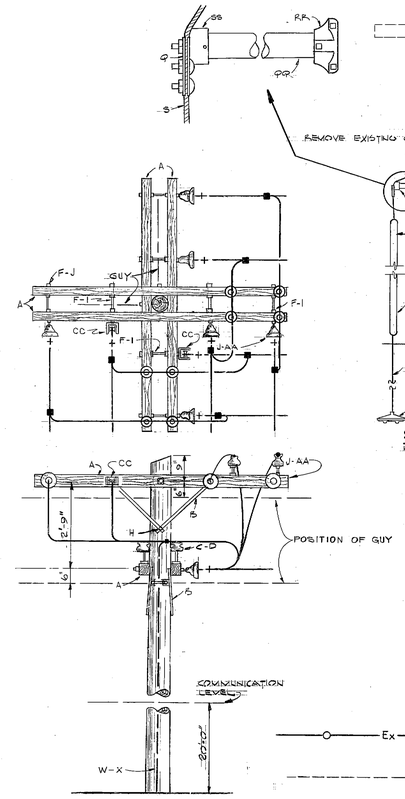


PLAN

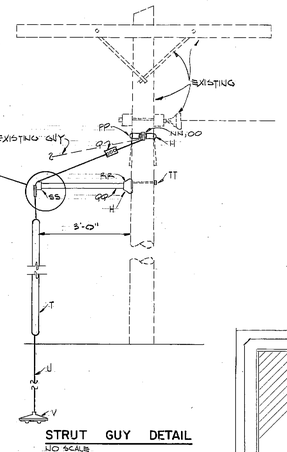


SIDE

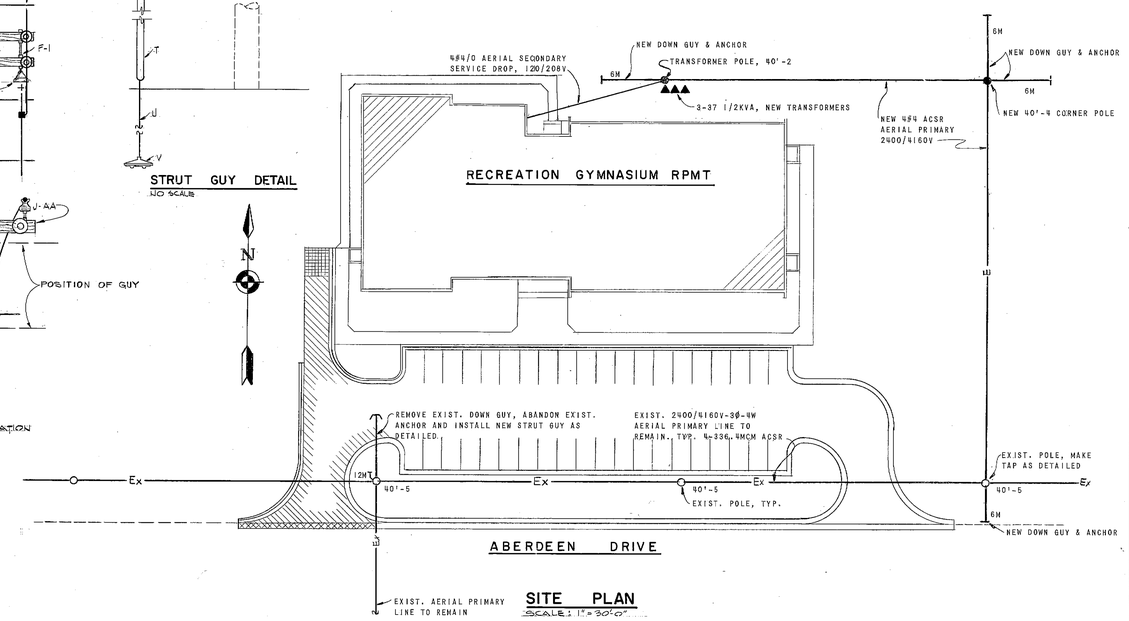
TRANSFORMER POLE
NO SCALE



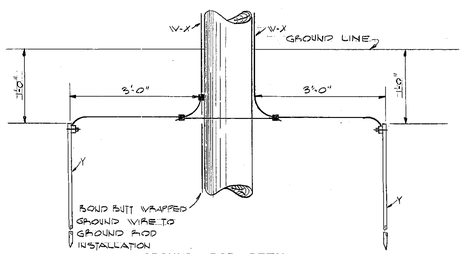
TYPICAL CORNER POLE
NO SCALE



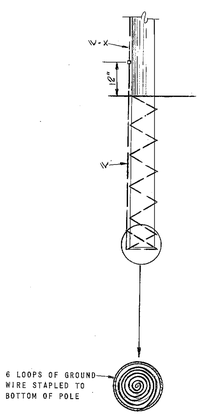
STRUT GUY DETAIL
NO SCALE



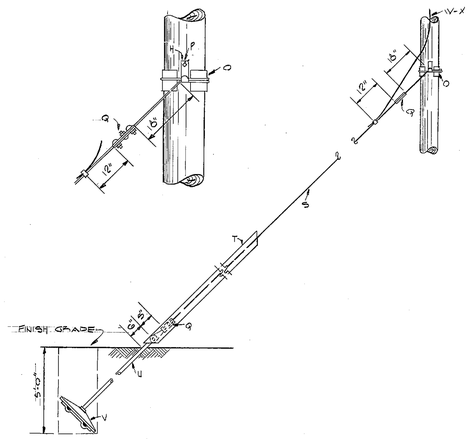
SITE PLAN
SCALE: 1" = 30'-0"



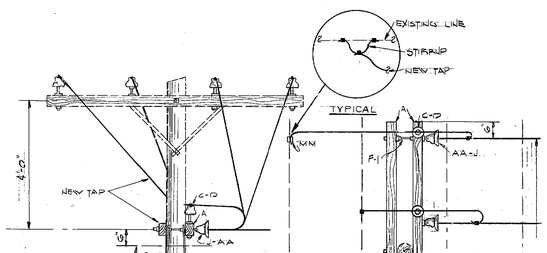
GROUND ROD DETAIL
NO SCALE



BUTT WRAPPED GROUND
NO SCALE



TYPICAL GUY DETAIL
NO SCALE



TAP POLE
NO SCALE

MATERIAL LIST

ITEM	DESCRIPTION	ITEM	DESCRIPTION
A	CROSSARM, 3 1/2" X 4 1/2" X 8'-0"	W	GROUND WIRE
B	CROSSARM BRACE, FLAT	X	GROUND WIRE MOULDING, 1 1/4"
C	CROSSARM PIN, STEEL, LONG SHANK, 3/4"	Y	GROUND ROD AND CLAMP, 3/4" X 8'-0"
D	PIN INSULATOR, TOP TIE	AA	DEADEND STRAIN CLAMP
E	MACHINE BOLT, 5/8" X REQUIRED LENGTH	BB	TRANSFORMER PIN
F	WASHER, 2 1/4" X 2 1/4" X 3/16" - 11/16" HOLE	CC	SPOOL CLEVIS & INSULATOR
G	CARRIAGE BOLT, 3/8" X 4"	MM	HOT LINE CLAMP
H	LAG SCREW, 1/2" X 5"	NN	CONNECTING LINK (MODIFY FOR GUY ROLLER)
I	DOUBLE ARMING BOLT, 5/8" X REQUIRED LENGTH	OO	GUY ROLLER WITH 3/4" X 2" MACHINE BOLT
J	SUSPENSION INSULATOR, 7 1/2" , M504 OR L504	PP	4-WAY GALV. POLE BAND
L	LIGHTNING ARRESTOR, 3KV	QQ	2" I.P.S. GALV. PIPE X REQUIRED LENGTH
M	PRIMARY FUSE CUTOUT, 5KV	RR	POLE PLATE
O	STRAIN PLATE, 4" X 8" -	SS	CLAMP END FITTING
P	GUY HOOK, 3/8" X 1 3/4" X 4"	TT	5/8" X REQUIRED LENGTH GALV. MACHINE BOLT
Q	GUY CLAMP, 3 BOLT		
R	PORCELAIN STRAIN INSULATOR		
S	GUY STRAND, SEE SPECIFICATIONS		
T	GUY WIRE GUARD, 16GA. STEEL, 8'-0" LONG		
U	ANCHOR ROD, 3/4" X 8'-0" TWINEYE OR TRIPLEYE		
V	ANCHOR, 4-WAY EXPANDING TYPE, 24,000#		

GRAPHIC SCALE
1" = 30' 0' 30' 60' 90'

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

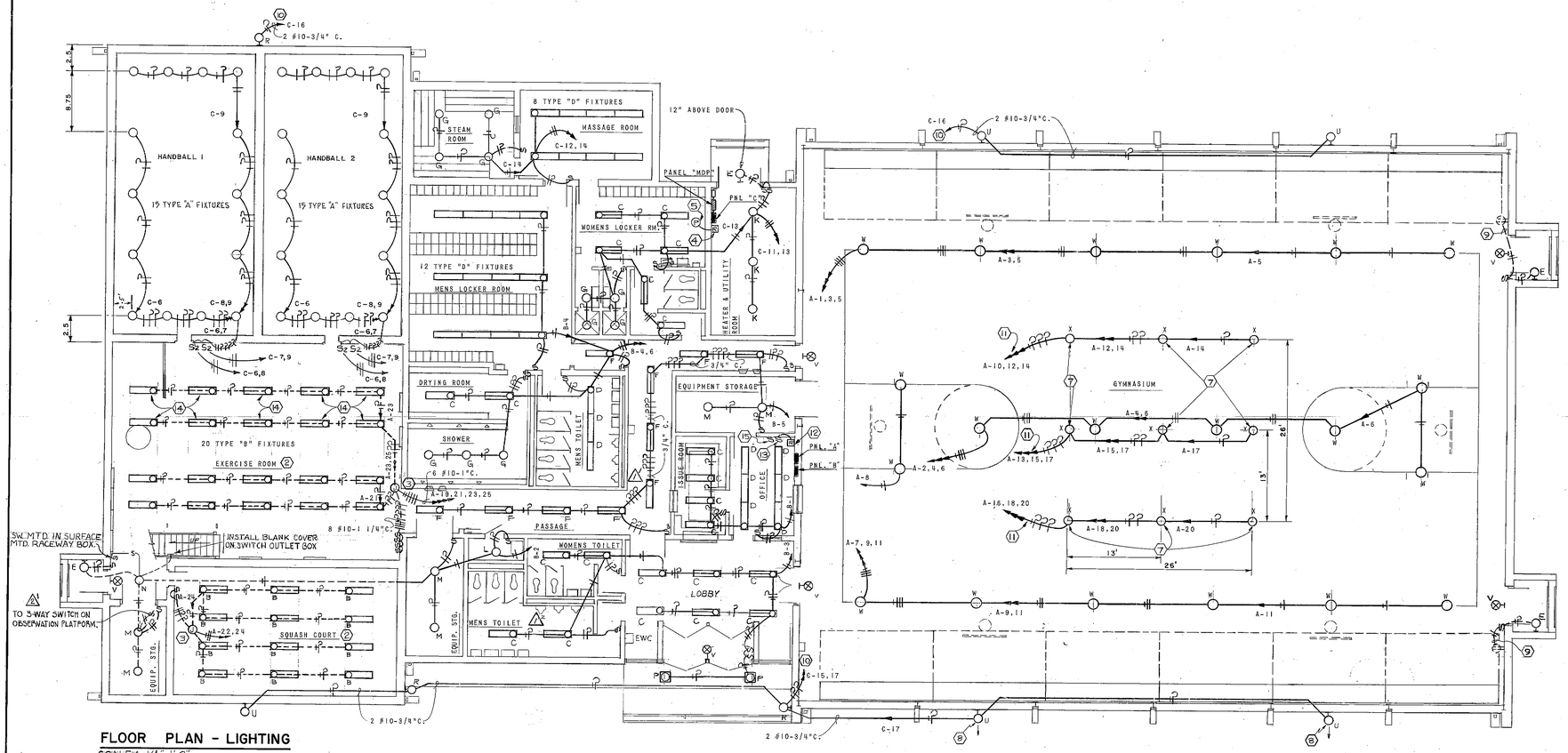
DESIGN BY: U & L
DRAWN BY: U & L
CHECKED BY: R.J.U
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Richard H. Wagner, Lt. Col., C.E., Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)
ELECTRICAL
SITE PLAN & POLE DETAILS

SCALE: AS SHOWN
DACA47-67-B-0061
DRAWING NUMBER AS-BLT AW-31-06-02
SHEET 22
PLATE 24

585 SH-26 DRAWING OF WORK AS-BUILT

DISTRICT FILE NO. AA-IN-4/22



FLOOR PLAN - LIGHTING

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

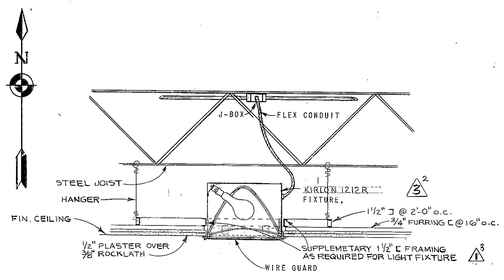
NOTES

1. ALL WIRES #12 IN 1/2" CONDUIT UNLESS NOTED.
2. ALL WIRES IN EXERCISE ROOM AND SQUASH COURT #10 IN 3/4" CONDUIT UNLESS OTHERWISE NOTED.
3. JUNCTION BOX MOUNTED ABOVE LONGSPAN JOIST.
4. RELAY FOR OUTSIDE LIGHTS, ASCO #16630C.
5. PHOTO-ELECTRIC CELL ON ROOF FOR CONTROL OF RELAY ADJACENT TO PANEL "C".
6. FIXTURES LOCATED BETWEEN BRIDGING IN SQUASH COURT AND EXERCISE ROOM, EXCEPT AS NOTED. SEE STRUCTURAL FOR DETAILS.
7. VERIFY EXACT LOCATION OF BOXING RING LIGHTS PRIOR TO INSTALLATION.
8. FLOODLIGHT MOUNTED 1' DOWN FROM ROOF TO ILLUMINATE PARKING LOT.
9. FEED FOR ENTRANCE LIGHTS TO BE CARRIED BACK TO PANEL "B" IN RECEPTACLE CONDUIT.
10. TO RELAY IN UTILITY ROOM ADJACENT TO PANEL "C"
11. TO RELAY ADJACENT TO PANEL "A".
12. RELAY FOR LIGHTS ABOVE BOXING RING AREA, ASCO #16610OC, INSTALL IN FLUSH CABINET WITH DOOR AND LATCH.
13. THREE-WAY SWITCH FOR CONTROL OF RELAY, PROVIDE NAMEPLATE TO READ "BOXING RING LIGHTS".
14. MOUNT FIXTURES ON BOTTOM OF DUCT AND SUPPORT WITH DUCT HANGERS AS RECOMMENDED BY MECHANICAL. VERIFY.
15. SWITCH FOR CONTROL OF OUTSIDE LIGHTS TO OVER-RIDE RELAY AND PHOTO ELECTRIC CELL.

LIGHT FIXTURE SCHEDULE 3¹

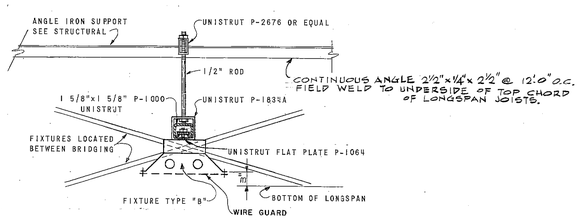
TYPE	LAMP	MOUNTING	DESCRIPTION
A	1-300W	RECESSED	KIRLON 1212 R
B	2-F48 PG-17CW	20'-10"	SYLVANIA PV-2S-2V/F4 W/GUARD 32530
C	2-F40/CW	CEILING	LIGHTRON LUMATE TYPE SW 1,4 W/L85 LENS
D	2-F40/CW	CEILING	LIGHTRON LUMATE TYPE SW 1,4 W/L85 LENS
E	1-100W	WALL, UP 6"-6"	PRESCOLITE CF 2 W/GUARD
F	1-F40/CW	CEILING	LIGHTRON FIXTURE 51-140 120V CBM
G	1-200W	CEILING	STEBER NO. VC 252 W/O GUARD
K	1-200W	CEILING	STEBER NO RPD-216-RV
L	1-60W	CEILING	CIRCLE F NO-212-O
M	1-150W	CEILING	STEBER NO RPD-214-RV
N	1-100W	CLG. SURF.	PRESCOLITE CF 2 W/GUARD
P	1-200W	RECESSED	PRESCOLITE STD. RELAMBA-LITE 1314-6130
R	1-150W PARALLEL FLOOD LIGHT	12'	SYLVANIA SYLVA-LITE PAR 380-200
U	500W T3Q/CL QUARTZ IODINE LAMP	1' DOWN FROM ROOF	SYLVANIA IQF 500
V	2-25W	OVER DOOR	PRESCOLITE RECESSED INCAN DESCENT R-52
W	2-400W H-33-1GL/C COLOR CORRECTED MERCURY VAPOR LAMP	SUSPEND BOTTOM OF FIXT. TO BOTTOM OF BEAM	EE SUTTON CO. MERCOLUX 81877 x 2/120 W.G. (WIRE GUARD)
X	1-1000W PS-52 CLEAR LAMP	SUSPEND BOTTOM OF FIXT. TO BOTTOM OF BEAM	ABOLITE ALZAK ALUMINUM UNIT NO. HMFA 1000 C W/HMSA 1000 M LAMP.
Z	2-75W	CEILING	CORPS OF ENG. TYPE CL-1

* ALL BUT CENTER FIXTURE TO BE TIPPED 15° FROM VERTICAL TOWARD CENTER OF GYM BY USE OF ADJUSTABLE FIXTURE HANGER.



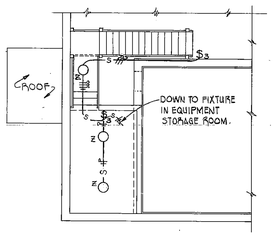
FIXTURE TYPE "A" MOUNTING DETAIL

NO SCALE



FIXTURE MOUNTING DETAIL IN SQUASH CT. & EXERCISE ROOM 6

NO SCALE



OBSERVATION PLATFORM PLAN

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

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
3²	REVISED AS-BUILT	9 APR '69	
2	ADDED OBSERVATION PLATFORM SECTION W/LIGHTING	18 DEC '67	
1	Deleted Urinal Screen-Key Fixture Type "A" Mounting Det.	27 JUL 67	

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: U&L
DRAWN BY: U&L
CHECKED BY: RJU
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: L. Cole C.E. Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

ELECTRICAL

FLOOR PLAN-LIGHTING & DETAILS

SCALE: AS SHOWN

DACA47-67-B-0061

DRAWING NUMBER AS-BLT: AW-31-06-02

PLATE 25

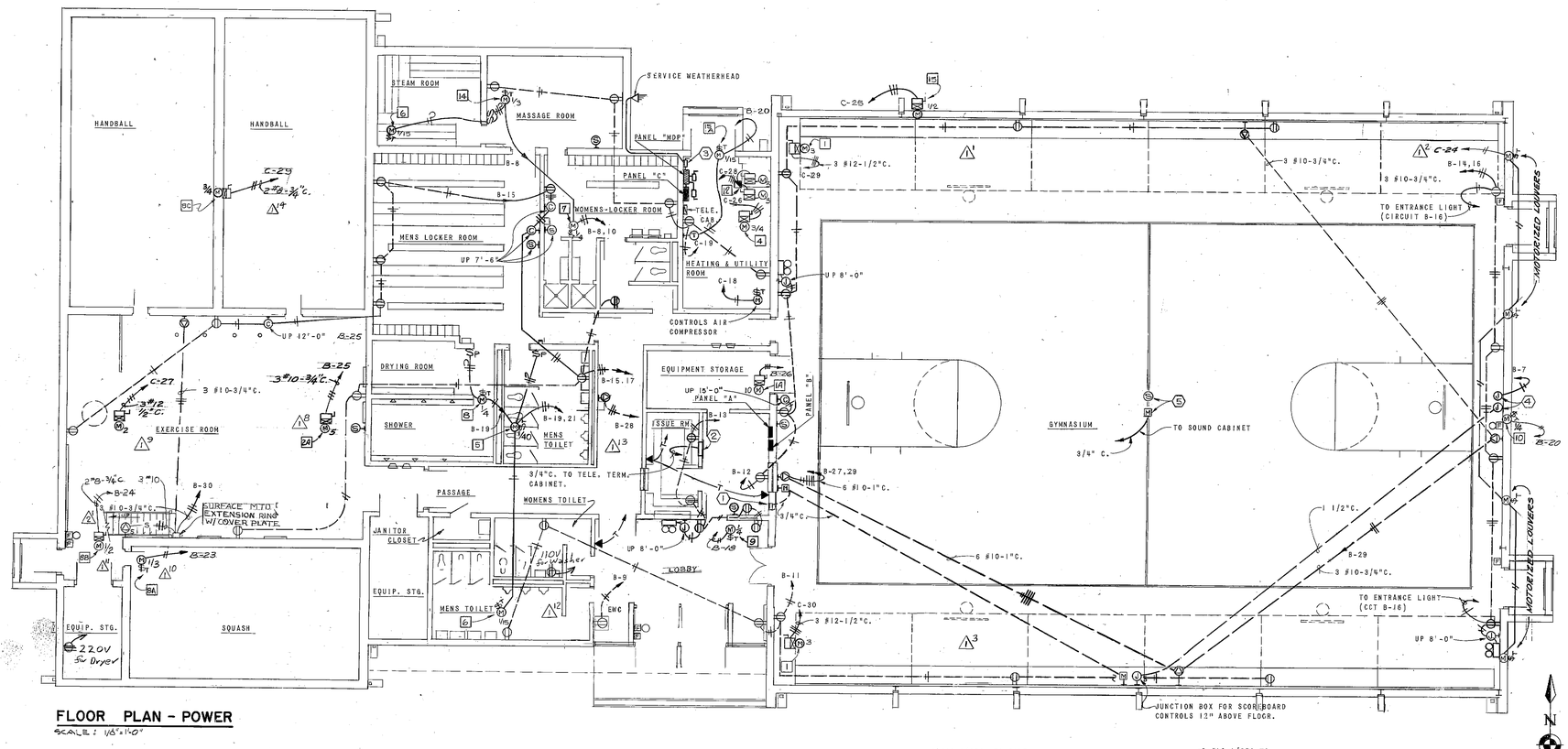
SHEET 23

GRAPHIC SCALE

1/8"= 1'-0" 0 2 4 8 12 16 24

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

585 SH-27 DRAWING OF WORK AS-BUILT DISTRICT FILE NO. AA-IR-4/23.3



FLOOR PLAN - POWER

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

NOTES

1. FLUSH MOUNTED SOUND CABINET, UP 12" TO BOTTOM 18"x 12"x 5" SCREW COVER.
2. FIRE ALARM CONTROL CABINET, SEMI-RECESS, UP 4'-0" TO BOTTOM.
3. 400A-3P-4W-250V MAIN DISCONNECT SWITCH. FUSED 350A.
4. J-BOX FOR SCOREBOARD
5. INSTALL ON CEILING BEAM CENTERED OVER BOXING RING.

ELECTRICAL CONNECTED LOAD

	LIGHTS	RECEPT.	SPECIAL OUTLETS	MOTORS	SPARES	TOTALS
PANEL "A"	33,000W				2,500W	35,500W
PANEL "B"	5,600W	6,048W	4,500W	22,698W	3,000W	41,846W
PANEL "C"	21,900W	865W		21,361 W	1,500W	45,626 W
TOTALS	60,500W	6,913W	4,500W	44,059	7,000W	122,972 W.
				TOTAL CONNECTED LOAD WITH SPARES		122,972 W.
				TOTAL DEMAND LOAD WITH SPARES		116,823 W.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	CEILING OUTLET. LETTER DENOTES FIXTURE TYPE.
	WALL OUTLET
	EXIT LIGHT
	FLUORESCENT FIXTURE
S_T	FRACTIONAL HP DISCONNECT WITH THERMAL OVERLOAD PROTECTION
SP	WALL SWITCH AND PILOT LIGHT
S_a	WALL SWITCH, SPST, 4'-6" ABOVE FLOOR UNLESS NOTED. LETTER DENOTES CONTROL.
S_b	THREE-WAY WALL SWITCH.
S_a	WALL SWITCH AND PILOT LIGHT.
	DUPLEX CONVENIENCE OUTLETS, 1'-0" ABOVE FLOOR UNLESS NOTED.
M_5	MOTOR OUTLET AND SIZE IN HP.
C	CLOCK OUTLET
J	JUNCTION BOX AS NOTED OR REQUIRED.
S	20 AMP 120/240V COMBINATION RECEPT. 1' ABOVE FLOOR UNLESS NOTED. S DENOTES MTD. IN SURFACE MTD. BOX. △2
	DISCONNECT SWITCH.
	MOTOR CONTROLLER
	POWER OR DISTRIBUTION PANELBOARD.
	LIGHTING PANELBOARD
	TELEPHONE TERMINAL CABINET.
	RACEWAY, CONCEALED IN WALLS OR CEILING.
	RACEWAY, CONCEALED IN WALL OR FLOOR.
T	TELEPHONE RACEWAY, 3/4" MINIMUM
	HOMERUN TO PANELBOARD.
T	TELEPHONE HOMERUN TO TERMINAL CABINET, 1" MINIMUM
2	NEUTRAL, HOT AND SWITCH CONDUCTORS, RESPECTIVELY.
	GROUND CONNECTION.
	TELEPHONE OUTLET, WALL, 1'-0" ABOVE FLOOR UNLESS NOTED.
M	MICROPHONE OUTLET, 1'-0" ABOVE FLOOR OR AS NOTED.
B	FIRE ALARM BELL, UP 7'-6".
F	FIRE ALARM STATION, UP 60".
2	MECHANICAL EQUIPMENT REFERENCE.
3	NOTE REFERENCE.
	MOTOR CONTROLLER
	EXPOSED RACEWAY
S	SPEAKER OUTLET, UP 8'-0"
	BATTERY POWERED EMERGENCY LIGHT, UP 8'-0"
S	SURFACE METAL RACEWAY △2

PANEL SCHEDULE

PANEL "A" 120/208V, 3Ø, 4W, 225A MAINS WITH LUGS ONLY, FLUSH MOUNTED, TOP FEED.

25-20A-1P	BRANCH BREAKERS	CCTS 1-25
5-20A-1P	BRANCH BREAKERS	CCTS 26-30 (SPARES)

PANEL "B" 120/208V, 3Ø, 4W, 225A MAINS WITH LUGS ONLY, FLUSH MOUNTED, TOP FEED.

18-20A-1P	BRANCH BREAKERS	CCTS 1-9, 11-18, 21
4-15A-1P	BRANCH BREAKERS	CCTS 10, 19, 20, 23 △4
5-20A-1P	BRANCH BREAKERS	CCTS 31, 32, 22, 33, 34 (SPARES) △5
4-20A-2P	BRANCH BREAKERS	CCTS 27-30
1-30A-1P	BRANCH BREAKER	CCT 24
1-40A-3P	BRANCH BREAKER	CCT 25
1-70A-3P	BRANCH BREAKER	CCT 26

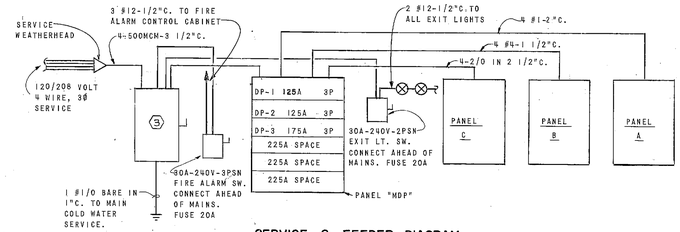
PANEL "C" 120/208V, 3Ø, 4W, 225A MAINS WITH LUGS ONLY, FLUSH MOUNTED, TOP FEED.

21-20A-1P	BRANCH BREAKERS	CCTS 1-20, 22 (5 & 10 SPARE)
△6 3-15A-3P	BRANCH BREAKERS	CCTS 25-27 △7
3-30A-3P	BRANCH BREAKERS	CCTS 28-30
2-15A-1P	BRANCH BREAKER	CCT 31, 24
1-40A-1P	BRANCH BREAKER	CCT 29

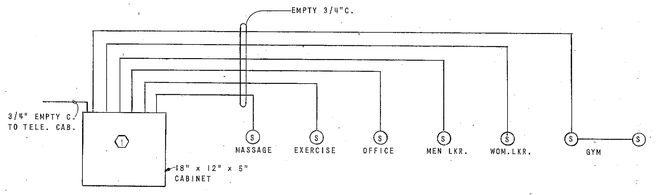
PANEL "MDP" 120/208V, 3Ø, 4W, 400A MAINS WITH LUGS ONLY, SURFACE MOUNTED, TOP FEED. △13

1-125A-3P	BRANCH BREAKER	CCT 1 (PANEL "B")	CLASS 3A CIRCUIT BREAKERS
1-125A-3P	BRANCH BREAKER	CCT 2 (PANEL "A")	
1-175A-3P	BRANCH BREAKER	CCT 3 (PANEL "C")	
3-225A-3P	SPACES ONLY		

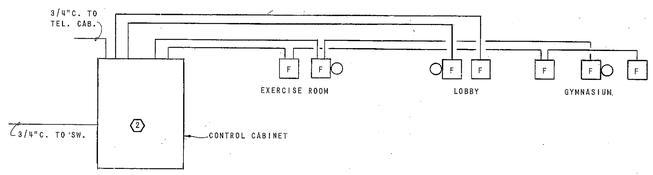
UNLESS OTHERWISE NOTED ON THE PANEL SCHEDULES, ALL SINGLE POLE BREAKERS SHALL BE CLASS 1A, TWO POLE BREAKERS CLASS 1B, AND THREE POLE BREAKERS CLASS 1B, IN ACCORDANCE WITH FEDERAL SPECIFICATION W-C-375a. △12



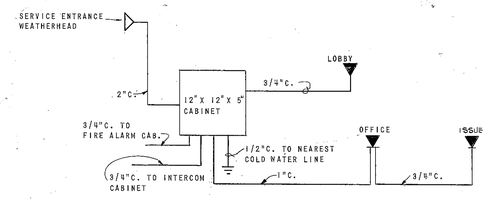
SERVICE & FEEDER DIAGRAM
NO SCALE



INTERCOMMUNICATION RISER DIAGRAM
NO SCALE



FIRE ALARM RISER DIAGRAM
NO SCALE



TELEPHONE RISER DIAGRAM
NO SCALE

GRAPHIC SCALE

1/8"= 1'-0" 0 2 4 8 12 16 24

NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
△3	REVISED AS-BUILT	9 APR 69	AT
△2	ADDED STAIR IN EXERCISE ROOM. & MOVED RECEPT.	11 DEC. 67	
	DELETED URINAL SCREENS.	30 MAR 67	CPB
	REVISED PNL. "B" & "C", RELOCATED MOTORS EX. RM.		
△14	REMOVED & RELOCATED MOTORIZED LOUVERS.		

REVISIONS

FRANCIS E. STANLEY & ASSOC., INC.
ARCHITECTS — ENGINEERS — PLANNERS
ALBUQUERQUE, NEW MEXICO

US ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
ALBUQUERQUE, NEW MEXICO

DESIGN BY: U&L
DRAWN BY: U&L
CHECKED BY: RJU
PREPARED BY: ARCHITECT - ENGINEER
SUBMITTED BY: CHIEF, MIL. PROJ. BRANCH
RECOMMENDED: CHIEF, ENGR. DIVISION
APPROVED: Lt. Col. C.E. Deputy District Engineer
DATE DEC 1965

KIRTLAND AIR FORCE BASE, NEW MEXICO
RECREATION GYMNASIUM (RPMT)

ELECTRICAL

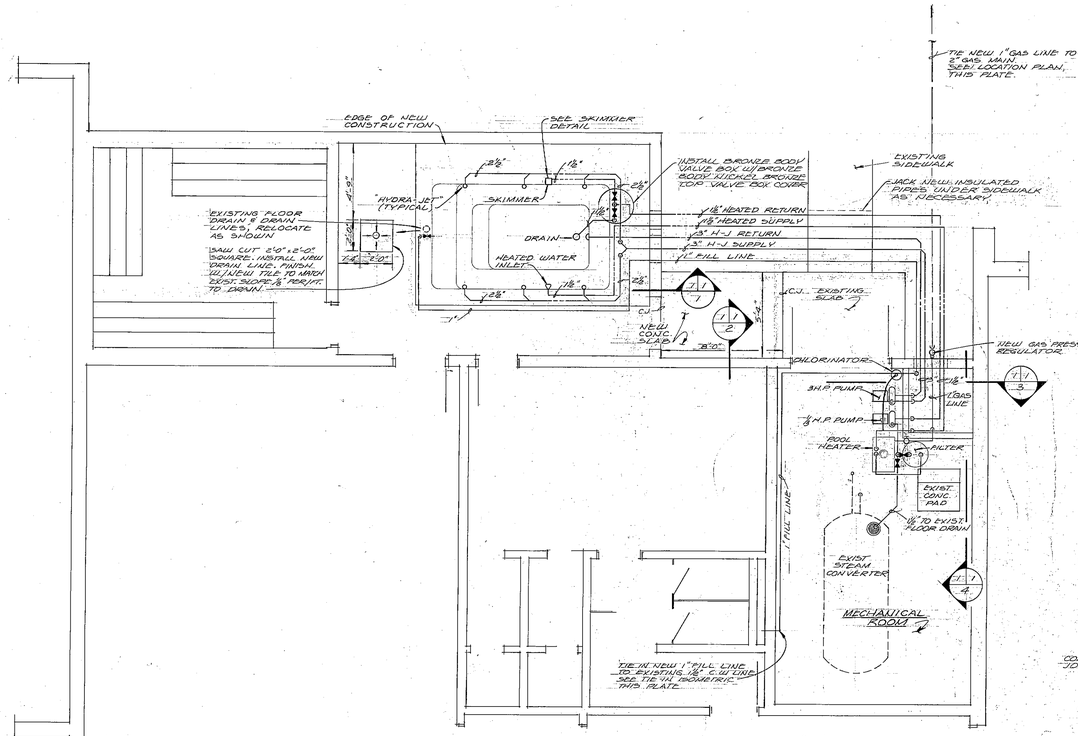
FLOOR PLAN-POWER, RISER DIAGRAMS & PANEL SCHEDULES

SCALE: AS SHOWN

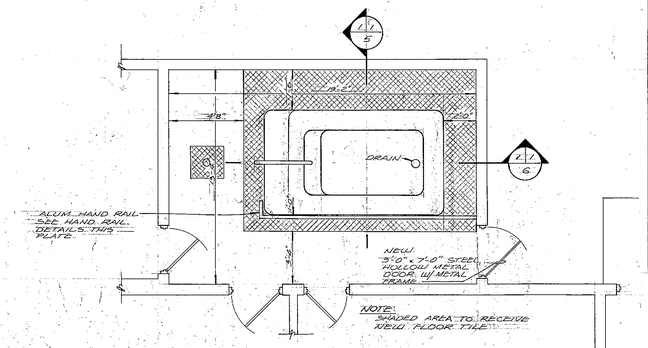
DACA47-67-B-0061

DRAWING NUMBER AS BLT
AW-31-06-02
SHEET 24

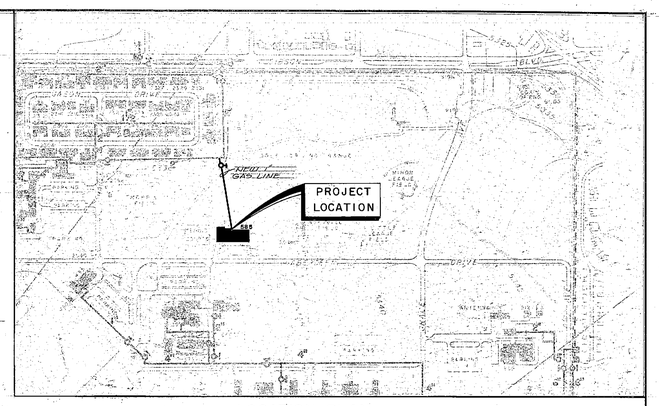
PLATE 26



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

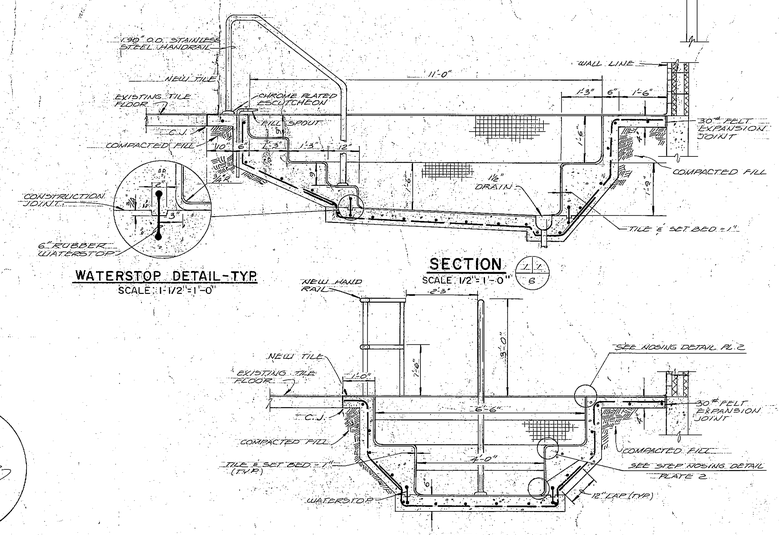


PLAN
SCALE: 1/4" = 1'-0"

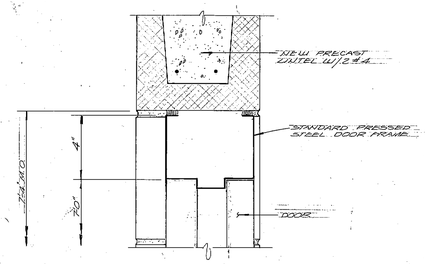


LOCATION PLAN
SCALE: 1" = 400'

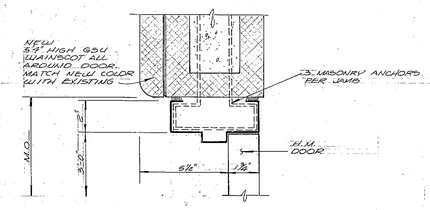
WATERSTOP DETAIL-TYP.
SCALE: 1-1/2" = 1'-0"



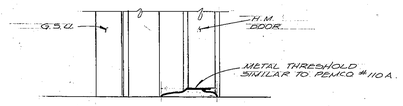
SECTION
SCALE: 1/2" = 1'-0"



HEAD
SCALE: 3" = 1'-0"

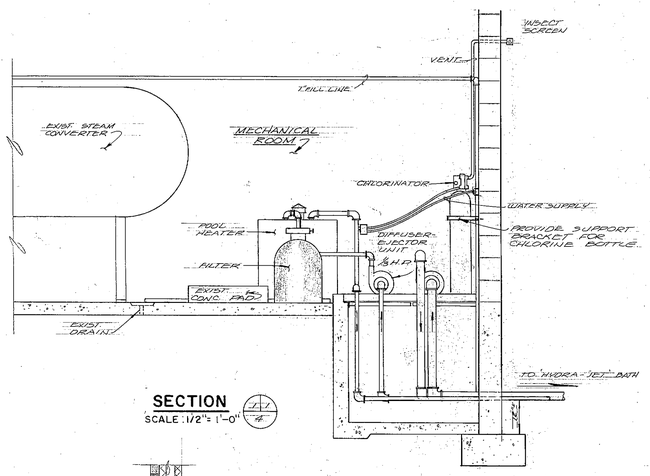


JAMB
SCALE: 3" = 1'-0"

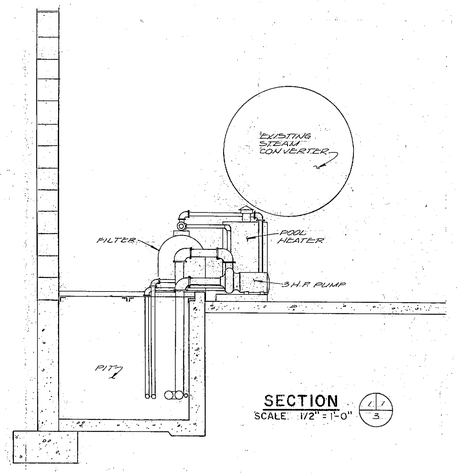


SILL
SCALE: 3" = 1'-0"

NEW DOOR DETAILS



SECTION
SCALE: 1/2" = 1'-0"



SECTION
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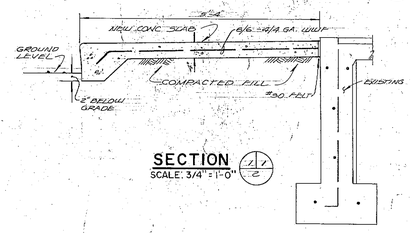
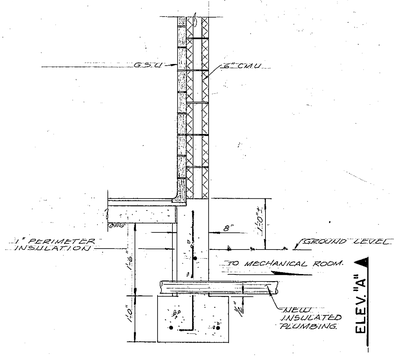
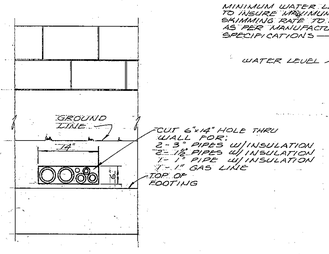


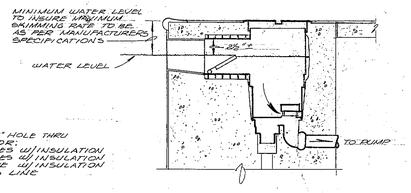
SECTION
SCALE: 3/4" = 1'-0"



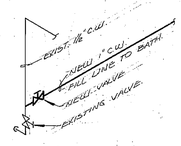
SECTION



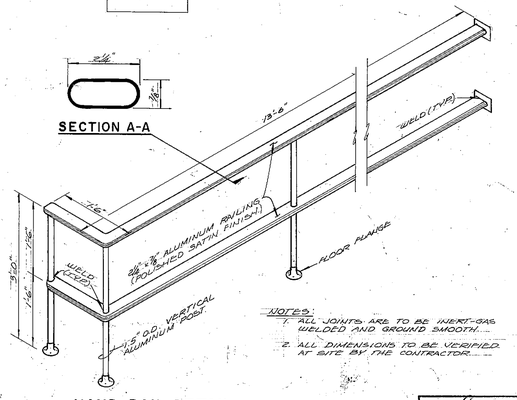
ELEVATION "A"



SKIMMER DETAIL
NO SCALE



TIE-IN ISOMETRIC
NO SCALE



HAND RAIL DETAIL
SCALE: 3/4" = 1'-0"

NOTES:
1. ALL JOINTS ARE TO BE INERT-GAS WELDED AND GROUND SMOOTH.
2. ALL DIMENSIONS TO BE VERIFIED AT SITE BY THE CONTRACTOR.

REVISION	DATE	DESCRIPTION	BY

KIRTLAND AIR FORCE BASE. ALBUQUERQUE. NEW MEXICO

MC. REC. GYM HYDRO-BATH
MECHANICAL-STRUCTURAL
BLDG. 585

KLD-117-8

DIRECTORATE OF CIVIL ENGINEERING — DATE: 29 MAY 1969

SUBMITTED: CHIEF, ENGRG. & CONST. BR.
APPROVAL RECOMMENDED: DESIGN AGENCY
APPROVED: DIRECTOR OF CIVIL ENGINEERING

DRAWN—MARTINEZ
CHECKED—
ENGINEER—
CHIEF, SWCOF

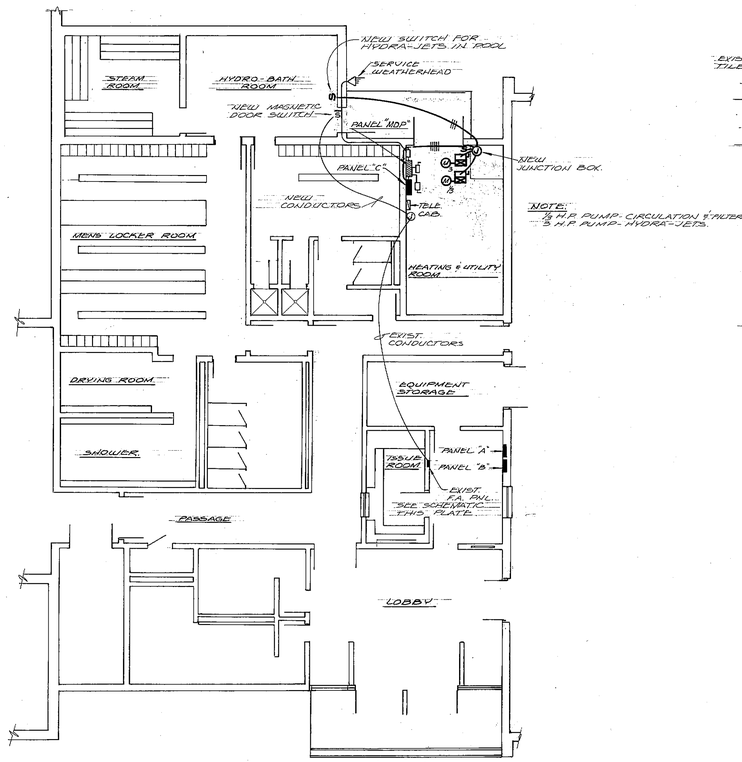
FILE NUMBER: BEO-585-1
SHEET 1 OF 2
SCALE AS SHOWN
PLATE NO. 27

585 SH-29

AFSWC FORM JUL 66 0-267

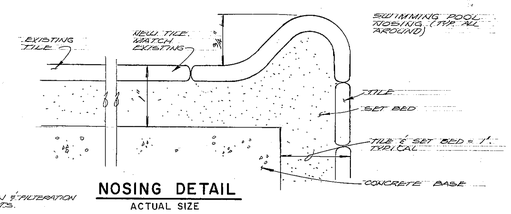
AFSWC—WARD ANDERSON—ALBUQUERQUE, NM

1/8"=1'-0"



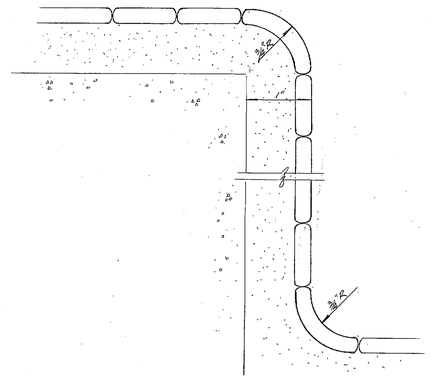
ELECTRICAL PLAN

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



NOSING DETAIL

ACTUAL SIZE

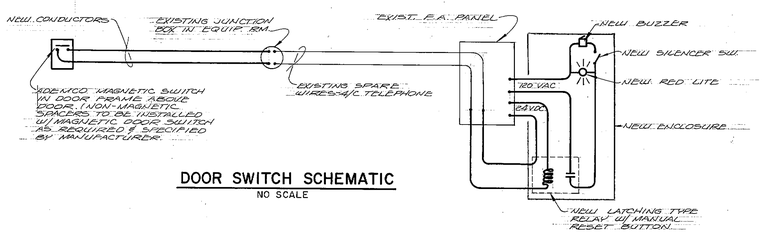


STEP NOSING DETAIL (TYP.)

ACTUAL SIZE

ELECTRICAL LEGEND:

- NEW MOTOR CONTROLLER & DISCONNECT SWITCH W/ NEW MOTOR, SIZE IN H.P. INDICATED.
- TELEPHONE TERMINAL CABINET. (EXIST.)
- POWER DISTRIBUTION PANEL (EXIST.)
- LIGHTING PANEL (EXIST.)
- EXISTING WEATHERHEAD
- NEW BUZZER
- NEW RED LITE INDICATOR.
- NEW SWITCH
- NEW MAGNETIC DOOR SWITCH.
- NEW JUNCTION BOX
- EXIST. JUNCTION BOX



DOOR SWITCH SCHEMATIC

NO SCALE

ELECTRICAL NOTES. CONTRACTOR SHALL:

1. FURNISH & INSTALL DOOR ALARM SYSTEM
2. FURNISH & INSTALL 5 HP PUMP AND CONTROL IN EQUIPMENT ROOM INCLUDING CONDUIT SYSTEM AND ON-OFF CONTROLS IN HYDRO-BATH ROOM.
3. FURNISH & INSTALL 1/2 H.P. CIRCULATING PUMP IN EQUIP. ROOM

REVISION	DATE	DESCRIPTION	BY

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

MC. REC. GYM HYDRO-BATH

ELECTRICAL- STRUCTURAL

BLDG. 585

KLD-117-8

DIRECTORATE OF CIVIL ENGINEERING DATE: 29 MAY 1969

SUBMITTED: Martin Mokrand, CHIEF, ENGRG. & CONST. B/S

APPROVAL RECOMMENDED: J. Mahoney, USING AGENCY

APPROVED: James D. Bradley, DIRECTOR OF CIVIL ENGINEERING

Sleyka, CHIEF, SWCOF

DRAWN— CHECKED— ENGINEER—

FILE NUMBER BEO-585-2

SHEET 2 OF 2

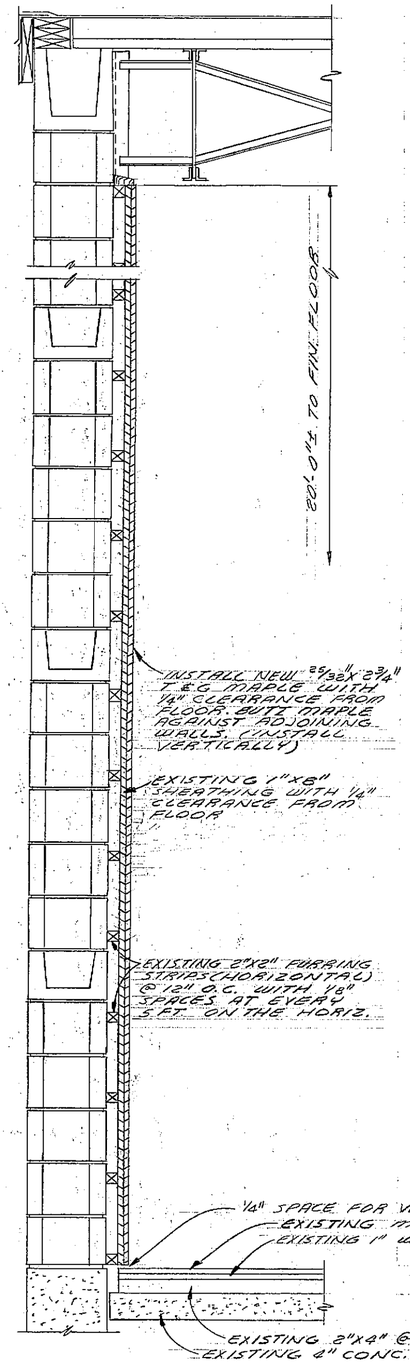
SCALE AS SHOWN

PLATE NO. 28

585 SH-30

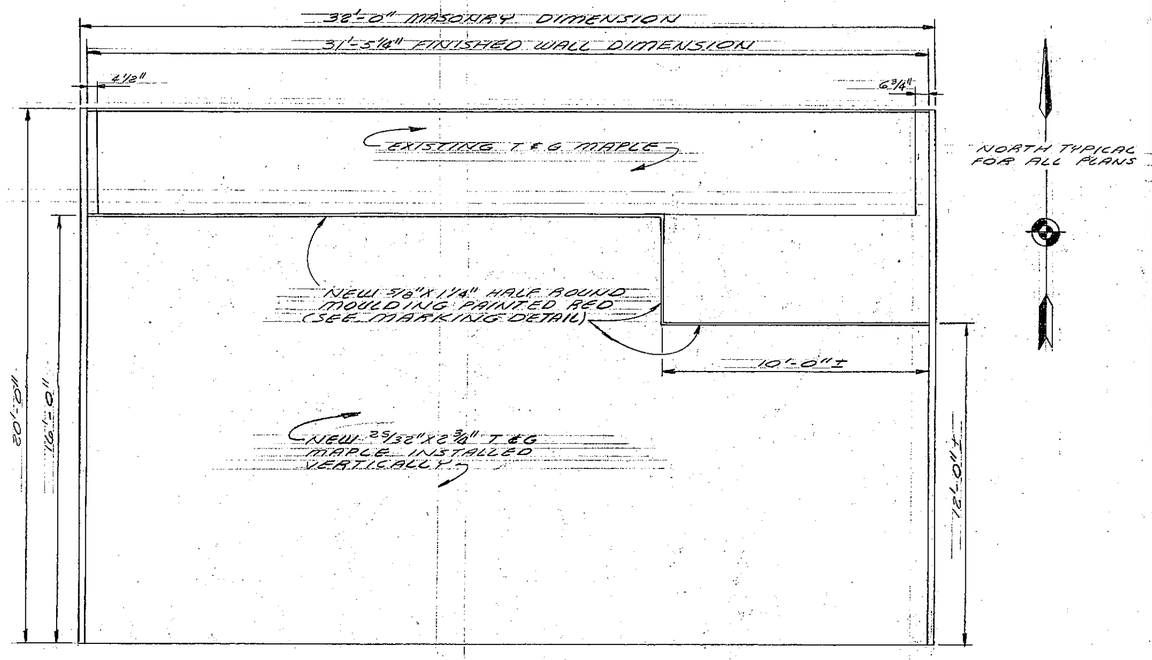
AFSWC FORM JUL 66 0-267

AFSWC—WARD ANDERSON—ALBUQUERQUE, NM.



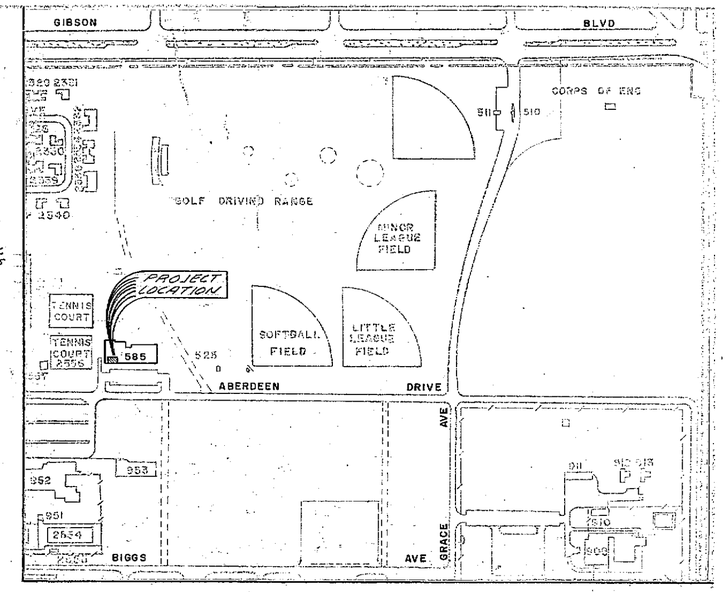
SECTION 1/1

SCALE: 3/4"=1'-0"



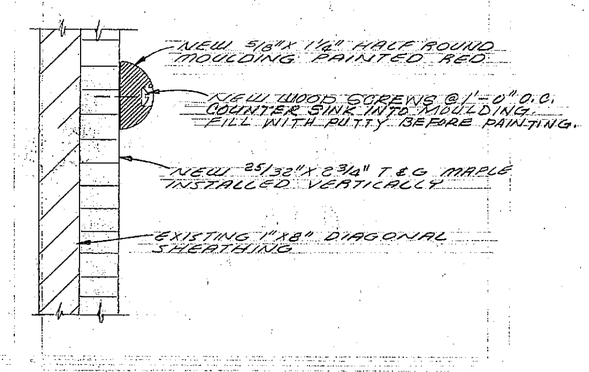
ELEVATION A

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



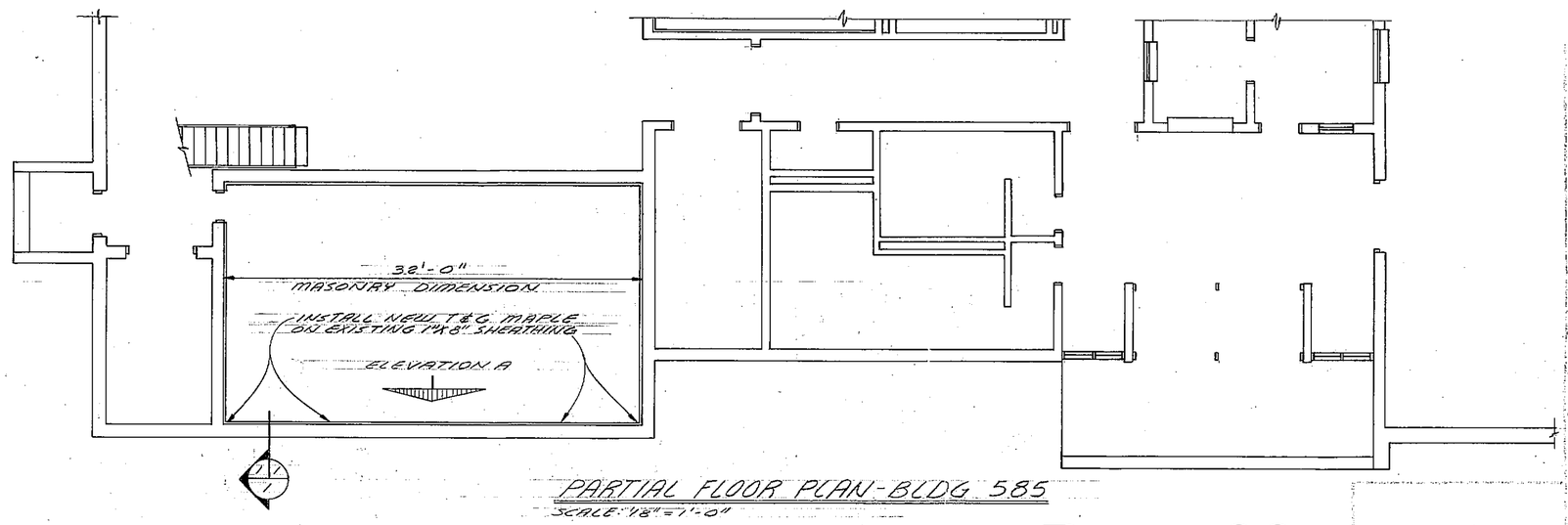
LOCATION PLAN

SCALE: 1"=400'-0"



MARKING DETAIL

SCALE: 6"=1'-0"



PARTIAL FLOOR PLAN-BLDG 585

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

REVISION	DATE	DESCRIPTION	BY

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

REPAIR SQUASH COURT

PLANS & SECTION

KLD 157-0

DIRECTORATE OF CIVIL ENGINEERING — DATE 10 DEC. 1969

SUBMITTED: Walter Noland — CHIEF, SVCPC & CONST. ENGRING. LABORY

APPROVAL RECOMMENDED: J J Mohorovich 12 Dec 69

APPROVED: for D S Denton — DIRECTOR OF CIVIL ENGINEERING

DRAWN 50615 — CHECKED AL — ENGINEER

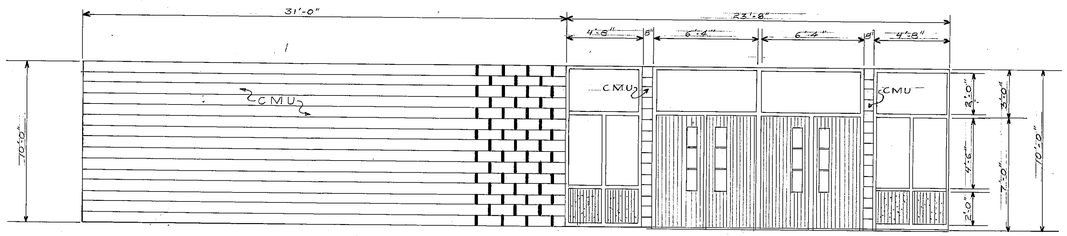
FILE NUMBER: BCB-585-1-0

SHEET 1 OF 1

SCALE: AS SHOWN

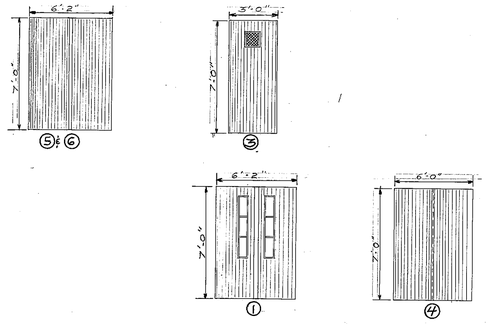
PLATE NO. 29

585 SH-31



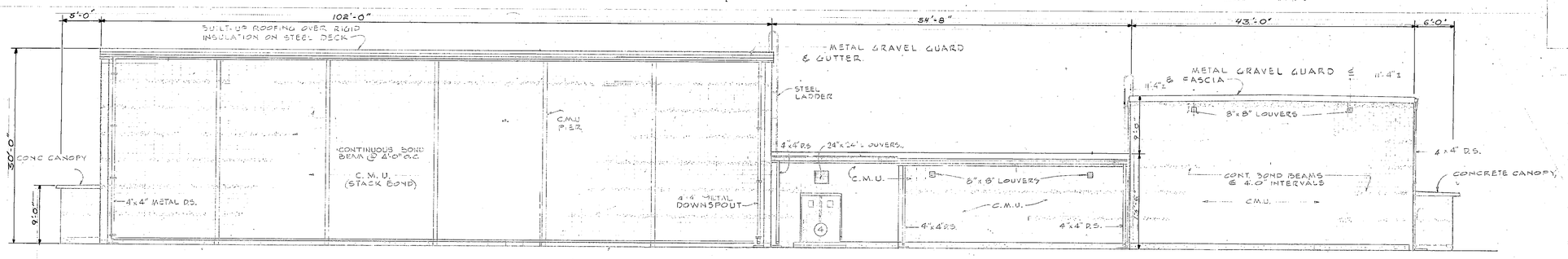
EXTERIOR ELEVATION AT MAIN ENTRANCE

SCALE 1/4"=1'-0"



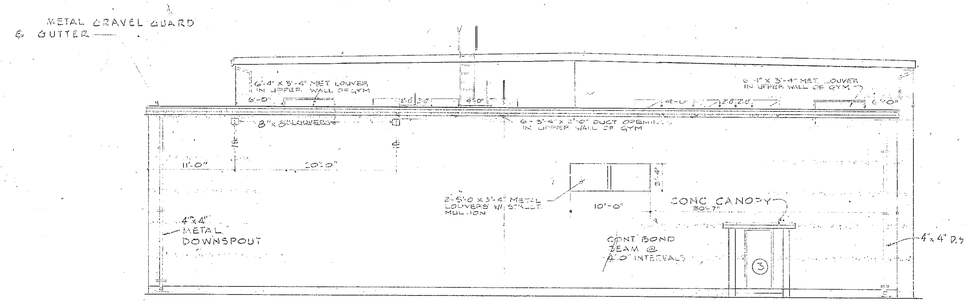
DOOR TYPES

SCALE 1/4=1'-0"



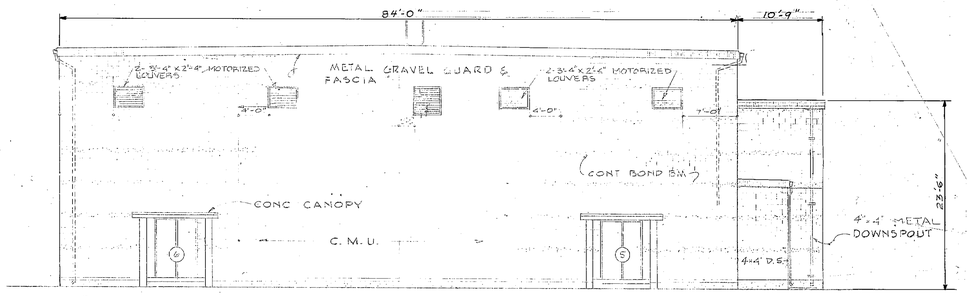
NORTH ELEVATION

SCALE 1/8"=1'-0"



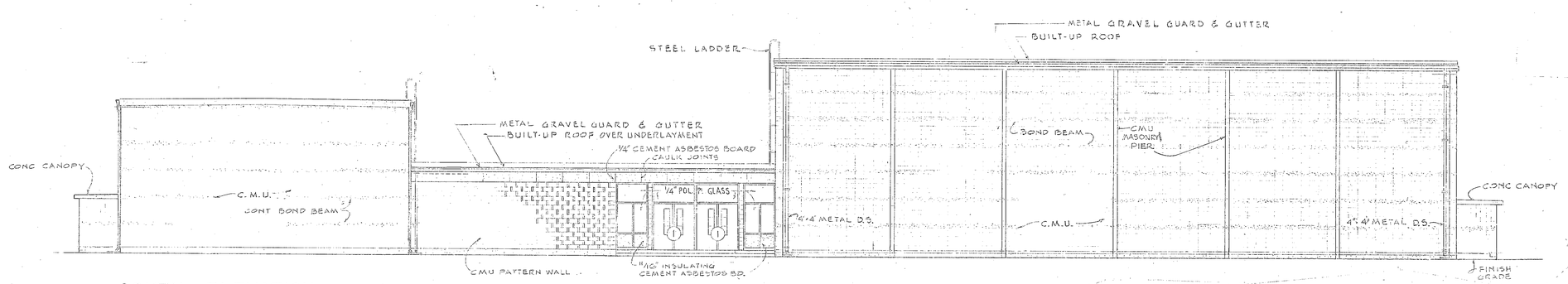
WEST ELEVATION

SCALE 1/8"=1'-0"



EAST ELEVATION

SCALE 1/8"=1'-0"



SOUTH ELEVATION

SCALE 1/8"=1'-0"

REVISION	DATE	DESCRIPTION	BY

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

MAINT. PAINT MISC. BLDGS.

BLDG. 585

86-8
KLD 87-8

DIRECTORATE OF CIVIL ENGINEERING — DATE: 28 MAY, 1969

SUBMITTED — CHIEF, ENGRG. & CONST. DIV.
APPROVAL RECOMMENDED — USING AGENCY
APPROVED — DIRECTOR OF CIVIL ENGINEERING

DRAWN — CHECKED — ENGINEER — CHIEF, PACOF

FILE NUMBER BEO-99/69

SHEET 3 OF 5

SCALE AS SHOWN

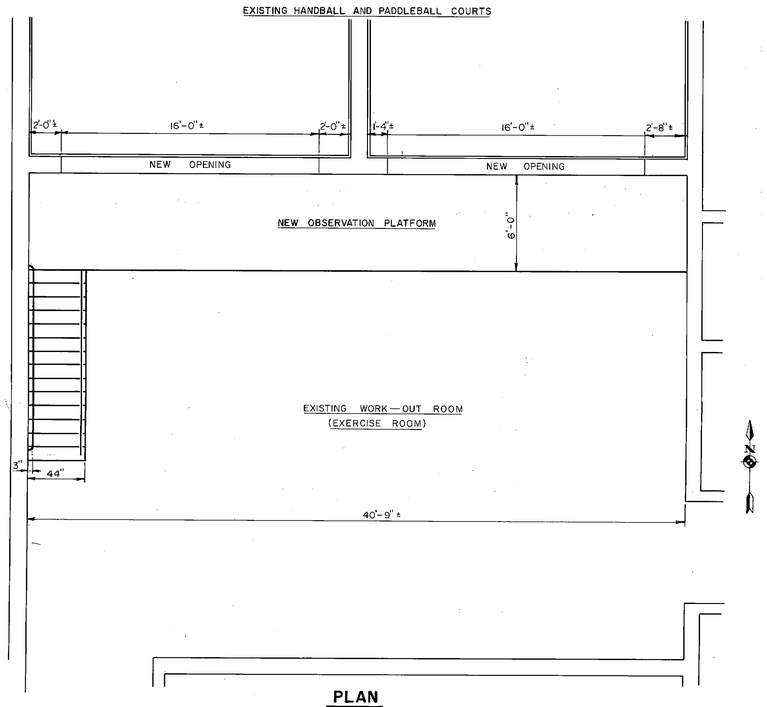
PLAT NO. 3

585 SH- [redacted]

AFSWC FORM JUL 66 0-267

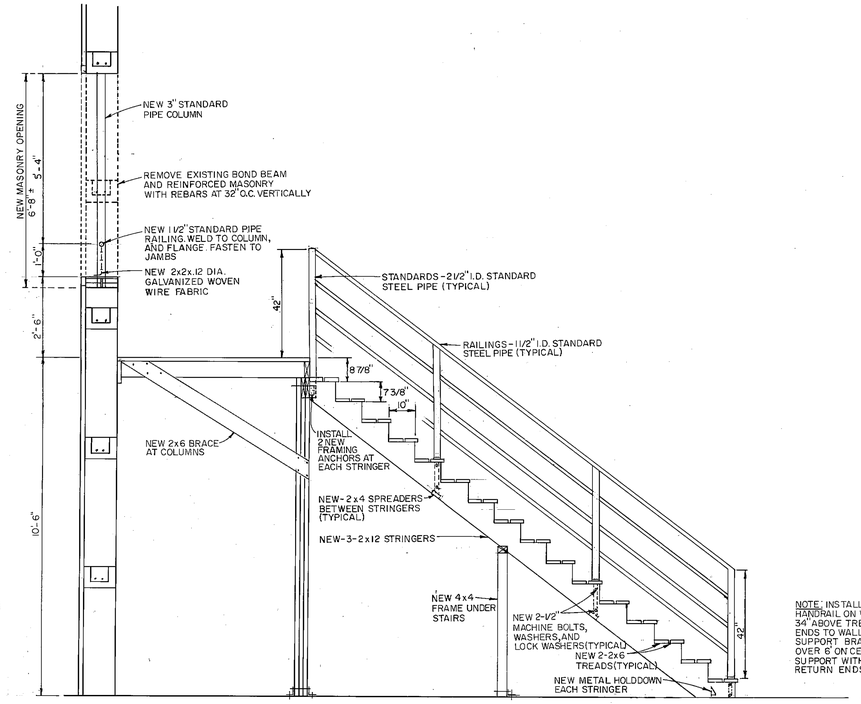
AFSWC—WARD ANDERSON—ALBUQUERQUE, NM

ALBUQUERQUE BLUE PRINT 19 1253 300 1-75 MC 3421+



PLAN

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



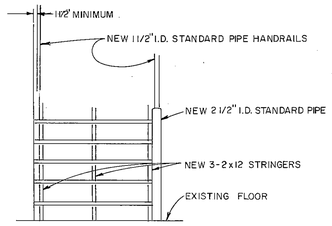
SECTION

SCALE: 1/2" = 1'-0"

NOTE: INSTALL NEW SINGLE HANDRAIL ON WALL SIDE AT 34" ABOVE TREAD. RETURN ENDS TO WALL. INSTALL SUPPORT BRACKETS AT NOT OVER 6' ON CENTER AND SUPPORT WITH FLANGE AT RETURN ENDS

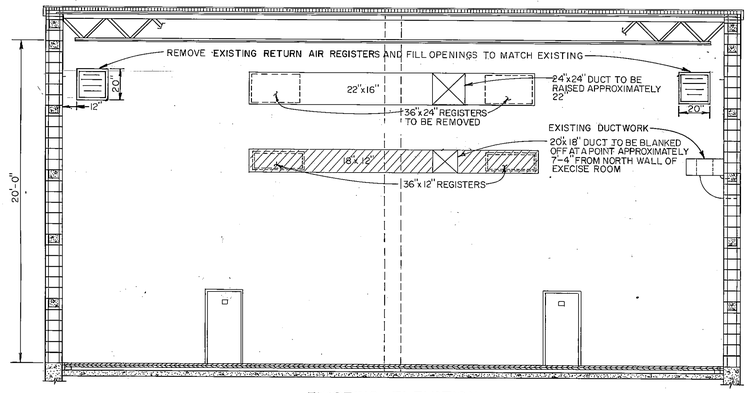
LEGEND

- NEW DUCTWORK
- RELOCATED DUCTWORK
- EXISTING DUCTWORK TO REMAIN



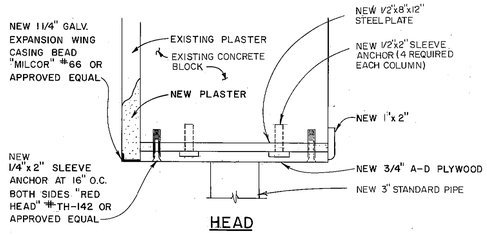
PARTAIL STAIR ELEVATION

SCALE 1/2" = 1'-0"

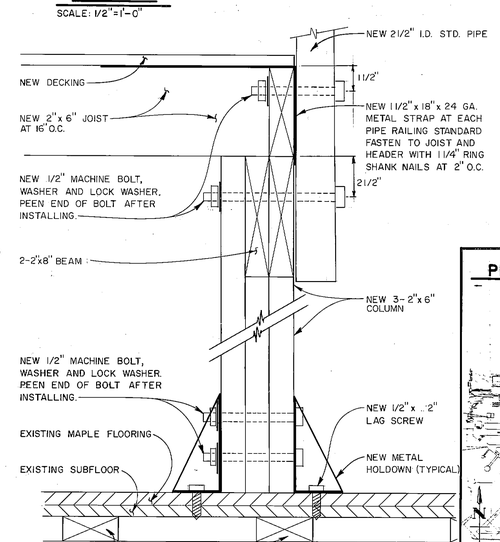


EXISTING ELEVATION

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

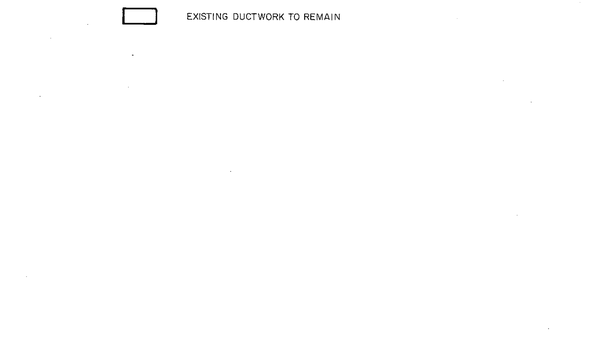


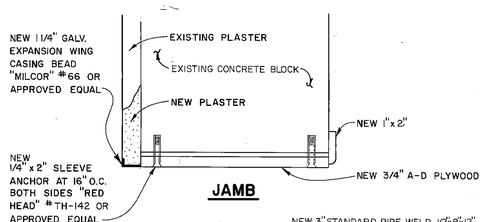
HEAD



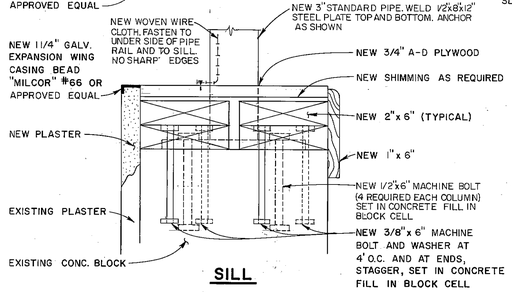
DETAILS AT COLUMNS

SCALE: 3" = 1'-0"





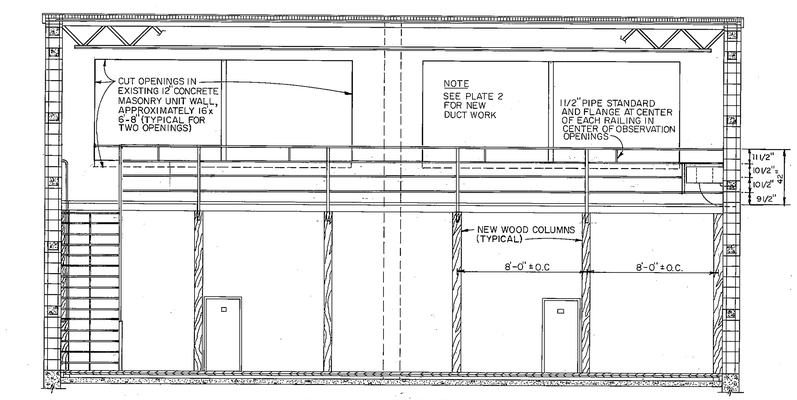
JAMB



SILL

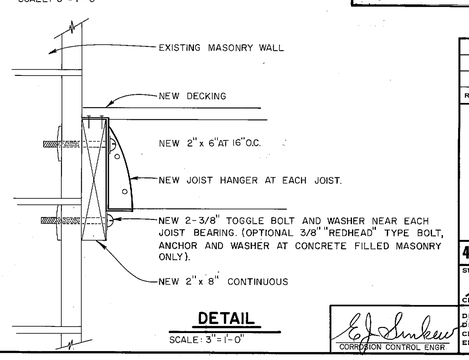
OBSERVATION OPENING DETAILS

SCALE: 3" = 1'-0"



NEW ELEVATION

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



DETAIL

SCALE: 3" = 1'-0"

REVISION	DATE	DESCRIPTION	BY

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

CONSTRUCT HANDBALL OBSERVATION PLATFORM

BLDG. 585

PLAN, ELEVATIONS, SECTION, DETAILS, AND PROJECT LOCATION

KLD 74-0

4902d CIVIL ENGINEERING SQUADRON — DATE: 5 JULY 76

SUBMITTED: H. C. Rosebrough, CHIEF, ENGRG. & CONST. DIVISION — APPROVAL RECOMMENDED: James O. Murillo, USING AGENCY 27 Jul 76 — APPROVED: Dwight D. Dutton, COMMANDER OF CIVIL ENGINEERING

E. J. Sunkes, CORROSION CONTROL ENGR.

DRAWN: RG.GO; DESIGNED: EJS; CHECKED: EJS; ENGINEER: FV

FILE NUMBER: CES 339/76 — SHEET 1 OF 2 — SCALE: AS SHOWN — PLATE NO. 1

585 5433

AFSWC FORM JUL 66 0-267

ALBUQUERQUE BLUE PRINT 19 1253 300 1-75 MC 3421•

AIR DISTRIBUTION SPECIFICATIONS

PART 1—GENERAL

1-01 SCOPE OF WORK: WORK COVERS THE MODIFICATION OF DUCTWORK AS INDICATED ON THESE DRAWINGS.

1-02 GENERAL REQUIREMENTS:

A. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TESTING SHALL BE REPLACED OR REPAIRED BY CONTRACTOR IN A MANNER APPROVED BY THE AUTHORIZED GOVERNMENT REPRESENTATIVE AT NO ADDITIONAL COST TO THE GOVERNMENT.

B. PROPOSED CHANGES: THE CONTRACT DRAWINGS INDICATE EXTENT AND GENERAL ARRANGEMENT OF THE EQUIPMENT. IF ANY DEPARTURES FROM CONTRACT DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES, INCLUDING CHANGES IN RELATED PORTIONS OF THE WORK, AND THE REASONS THEREFORE SHALL BE SUBMITTED AS SOON AS PRACTICABLE AFTER CONTRACT AWARD TO THE AUTHORIZED GOVERNMENT REPRESENTATIVE FOR WRITTEN APPROVAL. APPROVED DEPARTURES SHALL BE MADE AT NO ADDITIONAL COST TO THE GOVERNMENT.

C. COORDINATION: CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER COORDINATION OF THE WORK OF ALL TRADES AND SHALL PROVIDE CLEARANCE DRAWINGS WHERE NECESSARY.

2-01 DUCTWORK SHALL BE GALVANIZED STEEL OR ALUMINUM SHEETS AND SHALL CONFROM TO THE FOLLOWING:

A. ALUMINUM SHEETS: FEDERAL SPECIFICATION AA-A-250/2b, TEMPER H12 OR H22.

B. STEEL SHEETS: FEDERAL SPECIFICATION QQ-S-755, HOT-DIPPED ZINC-COATED, TYPE 1, CLASS D

C. SHEET METAL DUCTS: THICKNESS OF SHEET METAL AND SIZE OF STIFFENERS USED SHALL CONFORM TO TABLE 1

TABLE 1 SHEET METAL GAUGES FOR RECTANGULAR DUCTS

ALUMINUM THICKNESS INCHES (B&S GAUGE)	GALVANIZED STEEL THICKNESS INCHES US STANDARD GAUGE	MAXIMUM DUCT SIDE INCHES
.0201(24)	.0217(26)	UP THRU 12
.0253(22)	.0276(24)	13 THRU 30
.0320(20)	.0336(22)	31 THRU 54

2-02 AIR OUTLETS:

A. GENERAL: REGISTERS AND GRILLES SHALL BE OF THE AIR CONDITIONING TYPE, FACTORY FABRICATED AND FINISHED, AND A STANDARD CATALOGED PRODUCT OF THE MANUFACTURER. AIR OUTLETS SHALL BE FURNISHED WITH GASKETS AND INSTALLED SO THAT THE EDGES ARE SEALED AGAINST AIR LEAKAGE. FACTORY FINISH SHALL BE BAKED WHITE ENAMEL OR COATING.

B. REGISTERS: REGISTERS SHALL BE DESIGNED TO OPERATE WITHOUT NOTICEABLE DRAFTS OR NOISE SUPPLY OUTLETS SHALL UNIFORMLY DISTRIBUTE SPECIFIED VOLUME OF AIR OVER HORIZONTAL CROSS-SECTIONAL AREA OF ROOM AND SHALL MAINTAIN UNIFORM AIR TEMPERATURES WITHIN THE ROOM BY KEEPING THE AIR IN SLOW MOTION WITHOUT POCKETS. REGISTERS SHALL NOT INTRODUCE UNDUE RESISTANCE TO FLOW OF AIR FROM DUCT SYSTEM. EACH SUPPLY REGISTER AND RETURN AIR REGISTER, WHERE INDICATED, SHALL HAVE AN OPPOSED BLADE DAMPER.

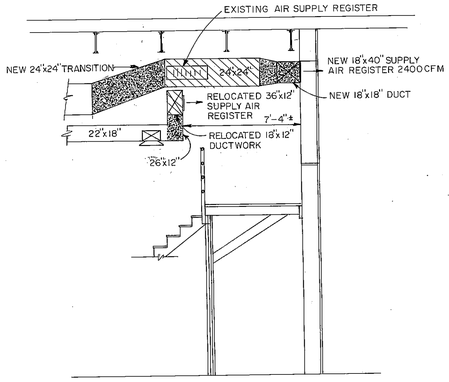
PART 3—EXECUTION

3-01 DUCTWORK:

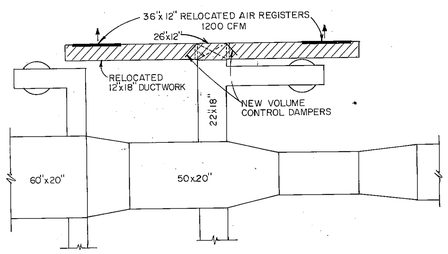
A. GENERAL: DUCTWORK SHALL BE ALUMINUM OR GALVANIZED STEEL. ALUMINUM OR STEEL DUCTWORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH STANDARDS ESTABLISHED IN ASHRAE GUIDE AND DATA BOOK, OR SMACNA DUCT MANUAL, OR NAVAFCA MANUAL 9. DUCTS, UNLESS OTHERWISE APPROVED, SHALL BE TRUE TO DIMENSIONS INDICATED AND STRAIGHT AND SMOOTH ON INSIDE, WITH NEATLY FINISHED JOINTS, SECURELY ANCHORED TO BUILDING IN AN APPROVED MANNER, AND SO INSTALLED AS TO BE COMPLETELY FREE FROM VIBRATION UNDER ALL CONDITIONS OF OPERATION. EXACT ROUTING OF DUCTWORK WILL BE DEPENDENT ON LOCATION OF FRAMING MEMBERS, CONDUITS, AND OTHER MISCELLANEOUS OBSTRUCTIONS, CONTRACTOR SHALL ROUTE DUCTS TO AVOID CUTTING FRAMING MEMBERS. DUCTS SHALL BE RECTANGULAR AS INDICATED. DUCTS OF EQUIVALENT FRICTION LOSS MAY BE SUBSTITUTED UPON WRITTEN APPROVAL.

B. CONSTRUCTION: DUCTS SHALL BE BRACED NOT MORE THAT 60 INCHES ON CENTERS. SLIP JOINTS SHALL BE MADE IN DIRECTION OF FLOW. UNLESS OTHERWISE INDICATED, ELBOWS SHALL HAVE A CENTERLINE RADIUS NOT LESS THAT 1-½ TIMES WIDTH OF DUCT. WHERE SPACE LIMITATIONS NECESSITATE USE OF SHORT RADIUS OR SQUARE ELBOWS, TURNING VANES SHALL BE INSTALLED. OFFSET DUCTS AROUND OBSTRUCTIONS WHERE POSSIBLE. WHERE DUCT TAPERS SHALL NOT EXCEED 1:4 RATIO AND TRANSFORMATION 30 DEGREES BETWEEN AIR FLOW AND DIVERGING OR CONVERGING AIR FLOW. PROVIDE ACCESS DOORS FOR ACCESS TO ALL EQUIPMENT, DAMPERS AND MOTORS CONCEALED BY SHEET METAL. PROVIDE TRANSVERSE JOINT CONNECTIONS AND BRACING FOR RETANGULAR DUCTS IN ACCORDANCE WITH ASHRAE GUIDE AND DATA BOOK REQUIREMENTS.

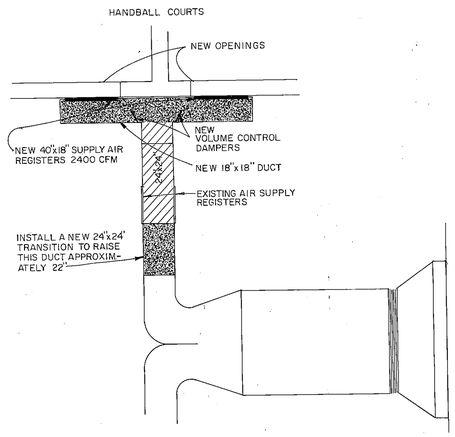
C. BALANCING: CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING THE AIR SUPPLY SYSTEMS TO PROVIDE AIR QUANTITIES AS INDICATED AND UNTIL EVEN TEMPERATURES EXIST THROUGHOUT THE PROJECT AREA. THE AIR QUANTITY IN CFM PASSING THROUGH EACH SUPPLY AND RETURN REGISTER OR GRILLE ARE TO BE RECORDED AFTER BALANCING. UPON THE COMPLETION OF BALANCING THE CONTRACTOR SHALL INCLUDE THESE RESULTS IN A REPORT TO THE CONTRACTING OFFICER.



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



PLAN VIEW-UPPER DUCT
SCALE 1/4"=1'-0"



PLAN VIEW-LOWER DUCT
SCALE 1/4"=1'-0"

CONSTRUCTION SPECIFICATIONS

PART 1—GENERAL

1-01 DESCRIPTION OF WORK: THE EXTENT OF THE WORK IS SHOWN ON THE DRAWINGS.

1-02 DELIVERY AND STORAGE: KEEP MATERIALS DRY DURING DELIVERY AND STORAGE. STACK LUMBER AND PROVIDE AIR CIRCULATION WITHIN STACKS.

1-03 AVAILABILITY OF WORK SPACE: THE AREA IN WHICH THE WORK IS TO BE ACCOMPLISHED CONSIST OF TWO HANDBALL COURTS AND A PHYSICAL WORK-OUT ROOM. THESE SPACES WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR HIS EXCLUSIVE USE DURING THE CONSTRUCTION PERIOD. WORK-OUT EQUIPMENT WHICH IS NOT INVOLVED IN THE CONTRACT WILL BE MOVED OUT OF THE WORK AREA OR WILL BE GIVEN PROTECTIVE COVERING BY THE BUILDING OCCUPANTS.

1-04 SUBMITTALS:

A. SUBMIT FOR CONTRACTING OFFICER'S APPROVAL, SAMPLES OF THE FOLLOWING ITEMS: (1) WOOD TRIM-ONE 24 INCH PIECE OF EACH TYPE.

B. FURNISH TWO COPIES OF A CERTIFICATE CERTIFYING THAT ALL LUMBER AND PLYWOOD MEETS OR EXCEEDS THE GRADES SPECIFIED.

C. SUBMIT FOR CONTRACTING OFFICER'S APPROVAL TWO SETS OF SHOP DRAWINGS ON PIPE RAILINGS AT PLATFORM, STAIRS AND OPENINGS INCLUDING SPLICES AND ATTACHMENTS.

1-05 PROTECTION: A. TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL WORK AND ADJOINING SURFACES AND/OR EQUIPMENT FROM DAMAGE. REPAIR OR REPLACE ANY SURFACES OR EQUIPMENT DAMAGED AS A RESULT OF CONTRACTOR'S OPERATIONS, TO THE SATISFACTION OF THE CONTRACTING OFFICER AND AT NO ADDITIONAL COST TO THE GOVERNMENT.

B. IN ADDITION TO THE GENERAL PROTECTION OUTLINED ABOVE, PROTECT THE EXISTING HARDWOOD FLOOR SURFACES SPECIFICALLY AS FOLLOWS: (1) COVER THE ENTIRE WORK-OUT FLOOR AND TWENTY FEET OF BOTH HANDBALL COURTS ADJACENT TO THE BACK WALL WITH SIX MIL THICK POLYETHYLENE FILM SHEETING. LAP SHEETING A MINIMUM OF TWELVE INCHES AND COVER LAPS WITH MINIMUM TWO INCH WIDE MASKING TAPE. LAY FOUR FOOT WIDE PLYWOOD CONTINUOUS OVER SHEETING AT BOTH SIDES OF WALL RECEIVING NEW OPENING. KEEP FLOORS COVERED UNTIL COMPLETION OF ALL WORK.

PART 2—PRODUCTS

2-01 LUMBER AND MILLWORK: A. FRAMING LUMBER: STAIR STRINGERS AND TREADS SHALL BE No.1 DOUGLAS FIR. COLUMNS, BEAMS AND JOISTS SHALL BE No.2 DOUGLAS FIR OR APPROVED EQUAL. CONCEALED BLOCKING SHALL BE CONSTRUCTION GRADE OR BETTER.

B. PLATFORM DECKING SHALL BE No. 2 AND BETTER 2x6 TONGUE AND GROOVE MOUNTAIN FIR OR ¾" A-C EXTERIOR GRADE FIR PLYWOOD

C. CASING AT OPENINGS SHALL BE D SELECT OF ANY SPECIES COVERED BY WESTERN WOOD PRODUCTS ASSOCIATION RULES.

D. SILL, JAMB AND HEAD CASING SHALL BE A-D INTERIOR GRADE FIR PLYWOOD.

E. MOISTURE CONTENT: FRAMING AND BLOCKING SHALL HAVE A MOISTURE CONTENT OF 19 PERCENT OR LOWER AND MILLWORK 6 TO 12 PERCENT.

2-02 METAL ITEMS: A. JOIST HANGERS SHALL BE "SIMPSON" No. LB 26, "HECKMAN" TYPE A, OR APPROVED EQUAL.

B. METAL HOLDOWNS SHALL BE "SIMPSON" No.HD 2, "HECKMAN" No. 552, OR APPROVED EQUAL.

C. FRAMING ANCHORS SHALL BE "SIMPSON" No. A35N, "SILVER" No. A 5A, OR APPROVED EQUAL.

D. PIPE COLUMNS SHALL BE 3 INCH I.D. "STANDARD" BLACK OR GALVANIZED PIPE.

E. HAND RAILINGS SHALL BE MADE OF 1½ INCH I.D. "STANDARD" BLACK OR GALVANIZED PIPE. FLANGES SHALL BE STANDARD ROUND MALLEABLE IRON SCREW TYPE, OR ROUND STEEL SLIP TYPE.

PART 3—EXECUTION

3-01 GENERAL A. DISCARD UNITS OF MATERIAL WITH DEFECTS WHICH MIGHT IMPAIR THE QUALITY OF THE WORK AND UNITS WHICH ARE TOO SMALL TO FABRICATE THE WORK WITH MINIMUM JOINTS OR THE OPTIMUM JOINT ARRANGEMENT.

B. SET CARPENTRY WORK AND METAL WORK ACCURATELY TO REQUIRED LEVELS AND LINES, WITH MEMBERS PLUMB AND TRUE AND ACCURATELY CUT AND FITTED.

C. SECURELY ATTACH CARPENTRY WORK AND METAL WORK TO SUBSTRATES BY ANCHORING AND FASTENING AS SHOWN AND AS REQUIRED BY RECONGNIZED STANDARDS. COUNTERSINK NAIL HEADS ON EXPOSED CARPENTRY WORK AND FILL HOLES. USE COMMON WIRE NAILS, EXCEPT AS OTHERWISE INDICATED. USE FINISHING NAILS FOR FINISH WORK. MAKE TIGHT CONNECTIONS BETWEEN MEMBERS. INSTALL FASTENERS WITHOUT SPLITTING OF WOOD; PREDRILL AS REQUIRED.

3-02 WOOD FRAMING, GENERAL A: PROVIDE FRAMING MEMEBERS OF SIZES AND ON SPACING SHOWN, AND FRAME OPENINGS AS SHOWN.

B. ANCHOR AND NAIL AS SHOWN, AND TO COMPLY WITH THE "RECOMMENDED NAILING SCHEDULE-TABLE 1" OF THE "MANUAL FOR HOUSE FRAMING" AND RECOMMENDATIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).

C. INSTALL JOIST HANGERS AND FRAMING ANCHORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

3-03 MILLWORK PREPARATION: BACKPRIME WOODWORK ON ALL SURFACES WHICH WILL BE CONCEALED WITH ONE COAT OF WOOD PRIMER. SCHEDULE DELIVERY TO ALLOW TIME FOR APPLICATION AND DRYING OF BACKPRIME AND BEFORE INSTALLATION OF WOODWORK.

3-04 INSTALLATION: A. INSTALL, PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS. SHIM AS REQUIRED USING CONCEALED SHIMS.

B. CUT TO FIT UNLESS SPECIFIED TO BE SHOP-FABRICATED OR SHOP-CUT TO EXACT SIZE. WHERE WOODWORK ABUTS OTHER FINISHED WORK, SCRIBE AND CUT FOR ACCURATE FIT. BEFORE MAKING CUTOUTS, DRILL PILOT HOLES AT CORNERS.

C. INSTALLATION OF STANDING AND RUNNING TRIM:

1. TRIM AND MOLDINGS: INSTALL IN SINGLE, UNJOINTED LENGTHS FOR OPENINGS AND FOR RUNS LESS THAN 10 FEET. FOR LONGER RUNS, USE ONLY ONE PIECE LESS THAN 10 FEET IN ANY STRAIGHT RUN; STAGGER JOINTS IN ADJACENT MEMBERS. COPE AT RETURNS AND MITER AT CORNERS.

2. NAILING: BLIND NAIL WHERE POSSIBLE. USE FINE FINISHING NAILS WHERE EXPOSED. SET EXPOSED NAIL HEADS FOR FILLING.

D. ANCHORING: SECURE WOODWORK TO ANCHORS OR BLOCKING BUILT-IN OR DIRECTLY ATTACHED TO SUBSTRATES.

E. PREPARATION FOR FINISH: CLEAN WOODWORK AND FILL NAIL HOLES IN PREPARATION FOR FINISHES SPECIFIED UNDER PAINTING SECTION.

3-05 FABRICATION OF METALWORK:

A. GENERAL: FORM EXPOSED WORK TRUE TO LINE AND LEVEL WITH ACCURATE ANGLES AND SURFACES AND STRAIGHT SHARP EDGES. EASE EXPOSED EDGES TO A RADIUS OF APPROXIMATELY 1/32".

B. NONWELDED CONNECTIONS: WHEN ACCEPTABLE TO THE CONTRACTING OFFICER INTERMEDIATE POST-TO-RAIL CONNECTIONS MAY BE MADE USING INTERNAL PIPE SLEEVE LOCKS AND ALLEN SCREW FASTENERS. LOCKING DEVICES WHICH DO NOT PRODUCE FLUSH, SMOOTH, RIGID, HAIRLINE JOINTS WILL NOT BE ACCEPTABLE. WELD OTHER CONNECTIONS.

C. WELDED CONNECTIONS: COPE INTERSECTIONS OF RAILS AND POSTS, WELD JOINTS AND GRIND SMOOTH AND REMOVE SPLATTER. BUTT WELD END-TO-END JOINTS OF RAILINGS OR USE WELDING CONNECTORS, AT FABRICATOR'S OPTION.

D. WELD CORNERS AND SEAMS CONTINUOUSLY AND IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN WELDING SOCIETY. GRIND EXPOSED WELDS SMOOTH AND FLUSH, TO MATCH AND BLEND WITH ADJOINING SURFACES.

E. FORM EXPOSED CONNECTIONS WITH FLUSH, SMOOTH, HAIRLINE JOINTS, USING CONCEALED FASTENERS WHENEVER POSSIBLE. USE EXPOSED FASTENERS OF THE TYPE SHOWN, OR IF NOT SHOWN, USE PHILLIPS FLATHEAD (COUNTERSUNK) SCREWS OR BOLTS.

F. PROVIDE FOR ANCHORAGE OF THE TYPE SHOWN, COORDINATED WITH THE SUPPORTING STRUCTURE. FABRICATE AND SPACE ANCHORING DEVICES AS SHOWN AND AS REQUIRED TO PROVIDE ADEQUATE SUPPORT.

G. BRACKETS, FLANGES, AND ANCHORS: PROVIDE BRACKETS, FLANGES, AND ANCHORS FOR RAILING POSTS AND FOR HANDRAIL SUPPORTS.

3-06 INSTALLATION OF METALWORK:

A. FASTENENING TO IN-PLACE CONSTRUCTION: PROVIDE ANCHORAGE DEVICES AND FASTENERS WHERE NECESSARY FOR SECURING HANDRAILS AND RAILING ITEMS TO IN-PLACE CONSTRUCTION; INCLUDING, TOGGLE BOLTS, THROUGH-BOLTS, LAG BOLTS AND OTHER CONNECTORS AS REQUIRED.

B. CUTTING, FITTING AND PLACEMENT: PERFROM CUTTING, DRILLING AND FITTING REQUIRED FOR INSTALLATION. SET THE WORK ACCURATELY IN LOCATION, ALIGNMENT AND ELEVATION. PLUMB, LEVEL, TRUE AND FREE OF RACK, MEASURE FROM ESTABLISHED LINES AND LEVELS.

C. SECURE HANDRAILS TO WALLS WITH WALL BRACKETS AND END FITTINGS. PROVIDE BRACKETS WITH NOT LESS THAN ½" CLEARANCE FROM INSIDE FACE OF HANDRAIL TO THE FINISH WALL SURFACE. DRILL WALL PLATE PORTION OF THE BRACKET TO RECEIVE ONE BOLT, UNLESS OTHERWISE INDICATED FOR CONCEALED ANCHORAGE. LOCATE BRACKETS AS INDICATED OR, IF NOT INDICATED, AT NOT MORE THAT 6'-0" O.C. SECURE WALL BRACKETS TO BUILDING CONSTRUCTION AS FOLLOWS:

1. FOR CONCRETE AND SOLID MASONRY ANCHORAGE, USE BOLT ANCHOR EXPANSION SHIELDS AND LAG BOLTS.

2. FOR HOLLOW MASONRY ANCHORAGE, USE TOGGLE BOLTS HAVING SQUARE HEADS.

PAINT SPECIFICATIONS

PART 1 - GENERAL

1-01 —DESCRIPTION OF WORK: THE EXTENT OF PAINTING WORK INCLUDES ALL NEW EXPOSED WOOD AND METALWORK EXCEPT GALVANIZED ITEMS.

1-02 CLEANING: PLACE ALL CLOTHS AND COTTON WASTE WHICH MIGHT CONSTITUTE A FIRE HAZARD IN CLOSED METAL CONTAINERS OR DESTROY AT THE END OF EACH DAY. REMOVE PAINT SPOTS, OIL, OR STAINS UPON ADJACENT SURFACES. LEAVE THE ENTIRE JOB CLEAN AND ACCEPTABLE TO THE CONTRACTING OFFICER.

1-03 STORAGE OF MATERIALS: FLAMMABLE PAINTS, VARNISH, ADHESIVES, ETC, SHALL BE STORED ON THE SITE AS APPROVED BY THE CONTRACTING OFFICER AND DETERMINED AT THE PRECONSTRUCTION CONFERENCE.

1-04 COLORS: THE CONTRACTING OFFICER WILL SELECT COLORS FOR EACH SURFACE FROM THE PAINT MANUFACTUERER'S COLOR CHIPS.

PART 2 - PRODUCTS

2-01 FEDERAL SPECIFICATIONS ESTABLISH THE MINIMUM ACCEPTABLE QUALITY FOR PAINT MATERIALS.

PART 3 - EXECUTION

3-01 CLEANING AND PREPARATION OF SURFACES GENERAL: CLEAN SURFACES TO BE PAINTED BEFORE APPLYING PAINT OR SURFACE TREATMENTS. REMOVE OIL AND GREASE WITH CLEAN CLOTHS AND CLEANING SOLVENTS PRIOR TO PAINTING. CLEANING SOLVENTS SHALL BE OF LOW TOXICITY AND SHALL HAVE A FLASH POINT IN EXCESS OF 100 F. PREPARE ALL SURFACES TO THE SATISFACTION AND APPROVAL OF THE CONTRACTING OFFICER PRIOR TO PAINTING.

3-02 PAINTING APPLICATION:

A. GENERAL: THE FINISHED SURFACES SHALL BE FREE FROM RUNS, DROPS, RIDGES, WAVES, LAPS, BRUSHMARKS, AND VARIATIONS IN COLOR, TEXTURE AND FINISH.

D. TIME BETWEEN COATS SHALL BE AT LEAST 24 HOURS FOR ALL PAINTS. EACH COAT OF PAINT SHALL BE INSPECTED AND APPROVED BY THE CONTRACTING OFFICER BEFORE APPLICATION OF ANY SUCCEEDING COAT.

C. APPLY PAINT BY BRUSH, ROLLER, OR AIRLESS SPRAY.

3-03 SURFACES TO BE PAINTED-GENERAL: THE SURFACES LISTED IN THE PAINTING SCHEDULE BELOW SHALL RECEIVE THE SURFACE PREPARATION, PAINTS, AND NUMBER OF COATS PRESCRIBED.

PAINT SCHEDULE

SURFACES	SURFACE PREPARATION AND TREATMENT	FIRST COAT	SECOND	THIRD
NEW: INTERIOR PLASTER	AS PREVIOUSLY SPECIFIED	TT-P-29	TT-P-29	TT-P-29
NEW: INTERIOR EXPOSED FERROUS SURFACES UNLESS OTHERWISE SPECIFIED	AS PREVIOUSLY SPECIFIED	TT-P-645	TT-E-509	TT-E-509
NEW: WOOD AND WOOD TRIM	AS PREVIOUSLY SPECIFIED	TT-P-26	TT-P-26*	

*TT-P-26 IS A FIRE RETARDANT PAINT WITH FLAME SPREAD OF 25 OR LESS

CONSTRUCTION NOTES

1. MOVE EXISTING PARALLEL BARS (APPROXIMATELY 9 FT. WIDE BY 1 FT HIGH) FROM WEST TO EAST WALL OF EXERCISE ROOM IN LOCATION AS DIRECTED BY THE CONTRACTING OFFICER. MOUNT TO WALL WITH 8 NEW FLOOR ANCHORS AND 8 NEW WALL ANCHORS SIMILAR TO EXISTING.

2. MOVE EXISTING PUNCHING BAG FRAME FROM EAST TO WEST WALL OF EXERCISE ROOM IN LOCATION AS DIRECTED BY THE CONTRACTING OFFICER. MOUNT TO WALL WITH 4 NEW WALL ANCHORS SIMILAR TO EXISTING.

REVISION	DATE	DESCRIPTION	BY

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

CONSTRUCT HANDBALL OBSERVATION PLATFORM

BLDG. 585

MECHANICAL AND SPECIFICATIONS

KLD 74-0

4902d CIVIL ENGINEERING SQUADRON DATE: 5 JULY 76

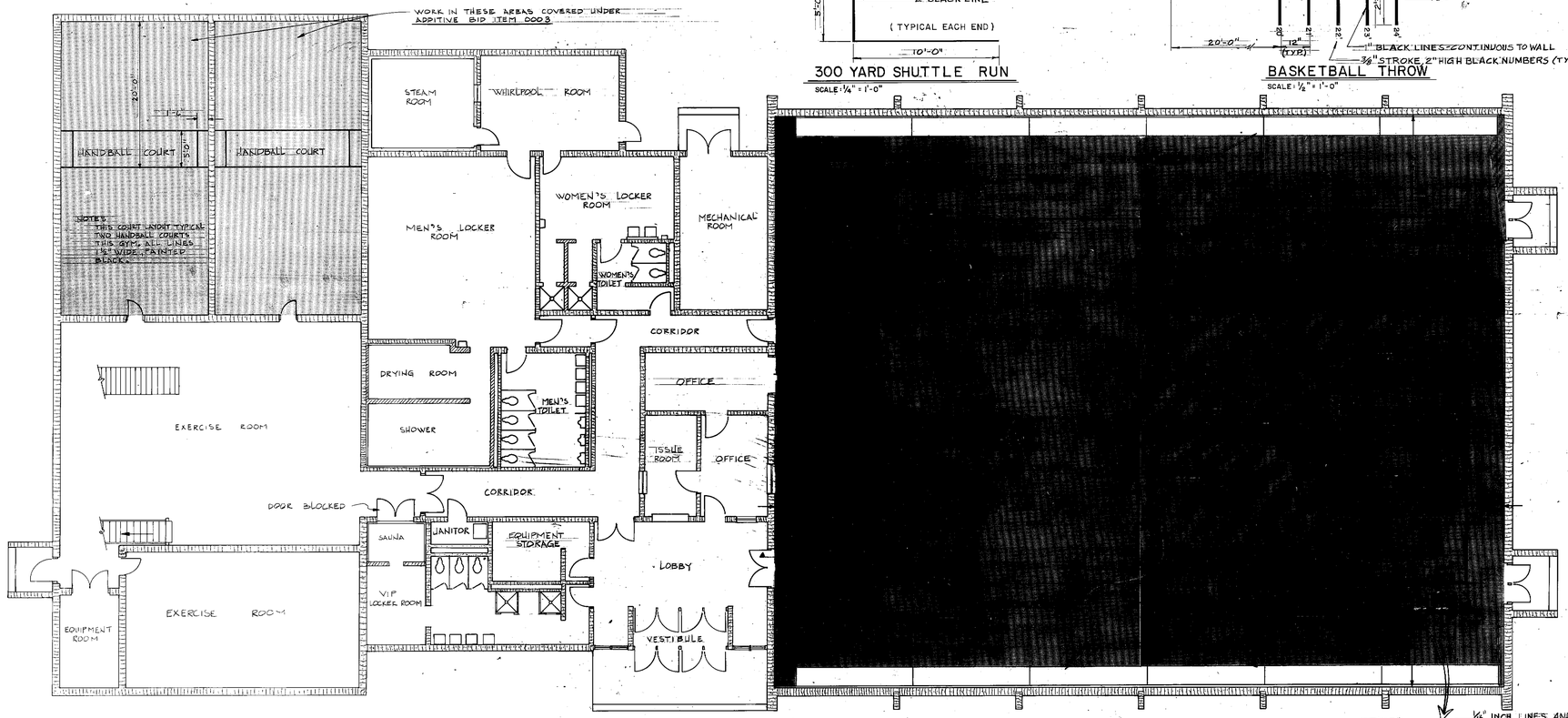
SUBMITTED: CHIEF, ENGRG. & CONST. DIVISION — APPROVAL RECOMMENDED: USING AGENCY 27 Jul 76 — APPROVED: COMMANDER, CIVIL ENGINEERING

CORROSION CONTROL ENGR

DRAWN — DESIGNED — CHECKED — ENGINEER

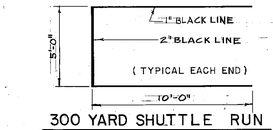
FILE NUMBER CES 340/76 — SHEET 2 OF 2 — SCALE AS SHOWN — PLATE NO. 2

585 SH 34



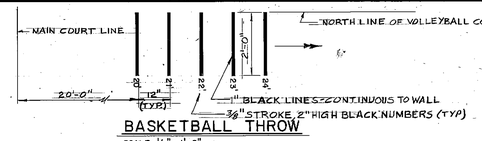
FLOOR PLAN - BLDG. 585

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



300 YARD SHUTTLE RUN

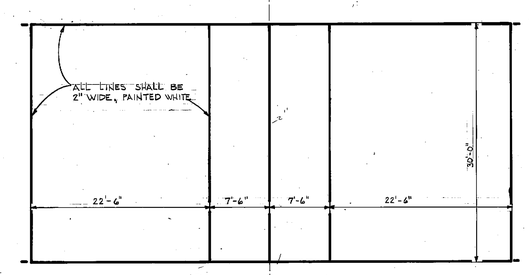
SCALE: 1/4" = 1'-0"



BASKETBALL THROW

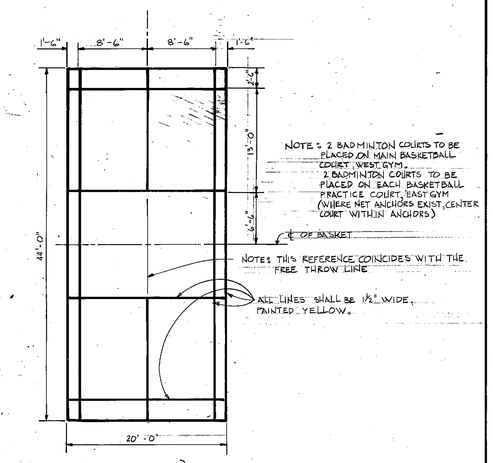
SCALE: 1/2" = 1'-0"

NOTES: 1 VOLLEYBALL COURT TO BE PLACED ON MAIN BASKETBALL COURT, WEST GYM (CENTERED BETWEEN NET ANCHORS)
1 VOLLEYBALL COURT TO BE PLACED ON EACH PRACTICE BASKETBALL COURT, EAST GYM (CENTERED BETWEEN NET ANCHORS)



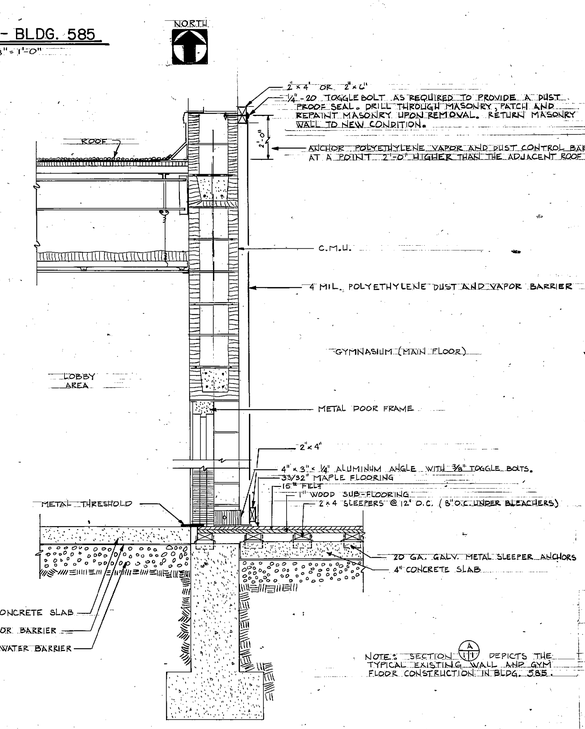
VOLLEYBALL COURT

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



BADMINTON COURT

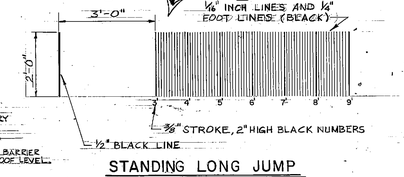
SCALE: 1/8" = 1'-0"



NOTE: SECTION A/11 DEPICTS THE TYPICAL EXISTING WALL AND GYM FLOOR CONSTRUCTION IN BLDG. 585.

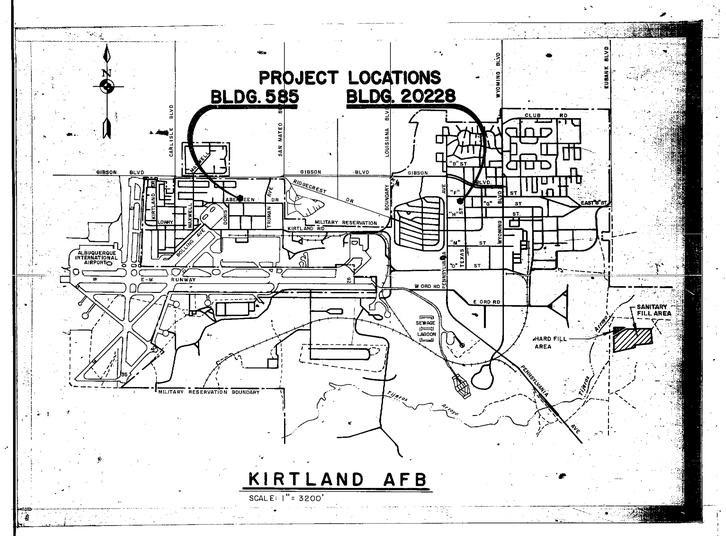
SECTION A/11

SCALE: 3/4" = 1'-0"



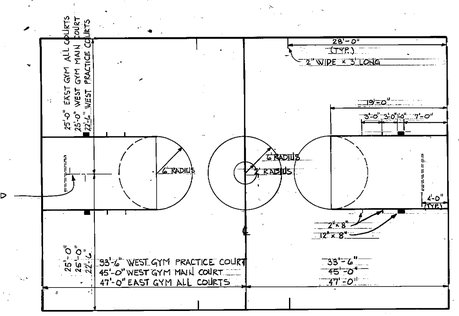
STANDING LONG JUMP

SCALE: 1/2" = 1'-0"



KIRTLAND AFB

SCALE: 1" = 3200'



BASKETBALL COURT

NOT TO SCALE

NOTE: ALL LINES TO BE TWO (2) INCHES WIDE. MAIN COURT LINES TO BE BLACK. PRACTICE COURTS TO BE RED.

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET.

COORDINATION	OFFICE	DATE
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF	2 Aug 79
SECURITY POLICE	SAFETY	13 July 79
ENVMT PLANNER	BIO-ENVIRONMENTAL ENG	1 Aug 79
CORROSION CONTROL ENG	USING AGENCY	5/23/79 5/23/79
PROTECTIVE COATING	BASE COMMUNICATIONS	13 Jul 79

REV	DATE	DESCRIPTION	DRAWN	APPR'D

MILITARY AIRLIFT COMMAND

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

REFINISH GYMNASIUM FLOORING

FLOOR PLAN & DETAILS

BLDG. 585

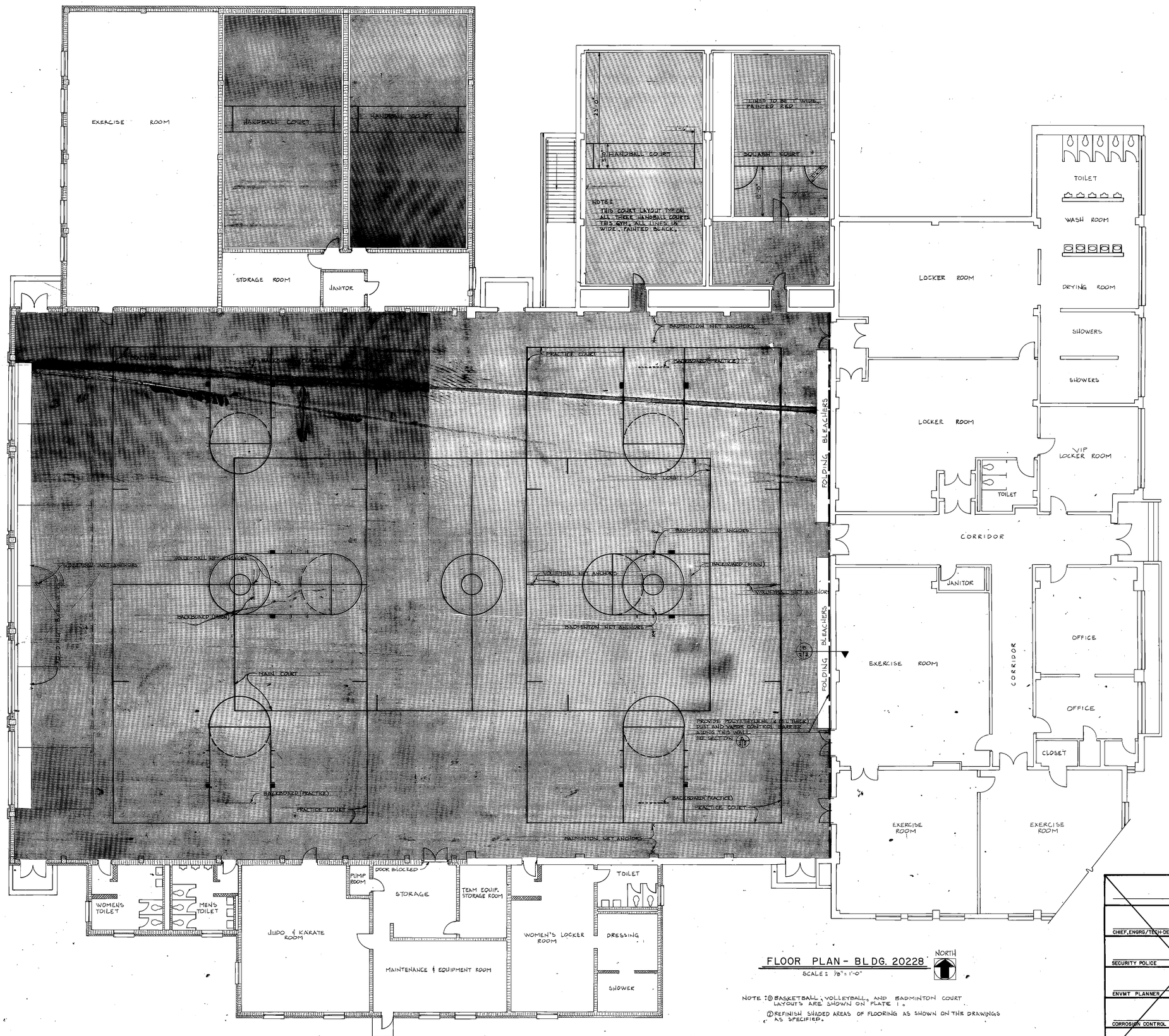
SUBMITTED	APPROVED
CHIEF, ENGRG, CONST & ENVMT PL	BASE CIVIL ENGINEER

DRAWN BY	DESIGNED BY	DATE	SHEET / PLATE
RAGLIN	H. YATES	APRIL 1979	1 OF 2

SCALE	PROJECT NO.	DRAWING NO. (FILE NO.)
AS SHOWN	KLD 152-7	CES 37/79

585 SH 35

REFINISH GYMNASIUM FLOORING



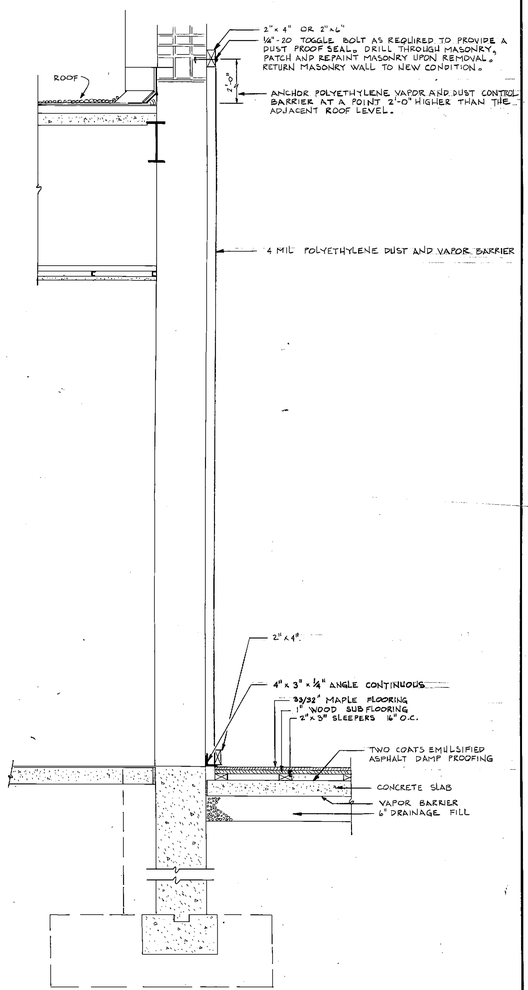
FLOOR PLAN - BLDG. 20228

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

NORTH

NOTE: ① BASKETBALL, VOLLEYBALL, AND BADMINTON COURT LAYOUTS ARE SHOWN ON PLATE 1.

② REFINISH SHADED AREAS OF FLOORING AS SHOWN ON THE DRAWINGS AS SPECIFIED.



SECTION A/2/2

SCALE: 3/4" = 1'-0"

NOTE: SECTION A/2/2 DEPICTS THE TYPICAL EXISTING WALL AND GYM FLOOR CONSTRUCTION IN BLDG. 20228. FOLDING BLEACHERS OMITTED FOR CLARITY.

COORDINATION					
	OFFICE	DATE	REV	DATE	DESCRIPTION	DRAWN	APPR'D
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF				
SECURITY POLICE	SAFETY				
ENVMT PLANNER	BIO-ENVIRONMENTAL ENG				
CORROSION CONTROL ENG	USING AGENCY				
PROTECTIVE COATING	BASE COMMUNICATIONS				

MILITARY AIRLIFT COMMAND

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

REFINISH GYMNASIUM FLOORING

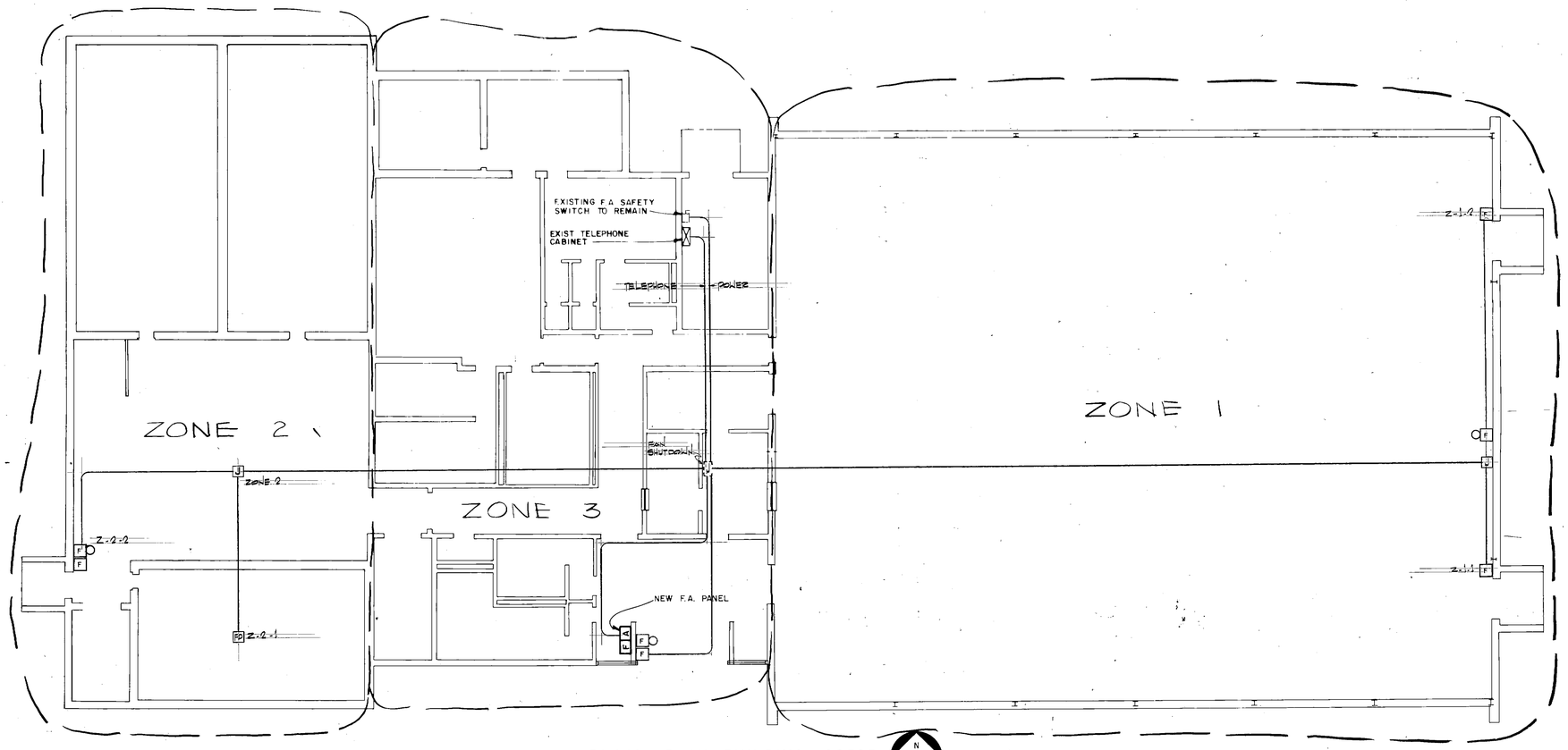
FLOOR PLAN & DETAILS BLDG. 20228

SUBMITTED: CHIEF, ENGRG/CONST & ENVMT PL

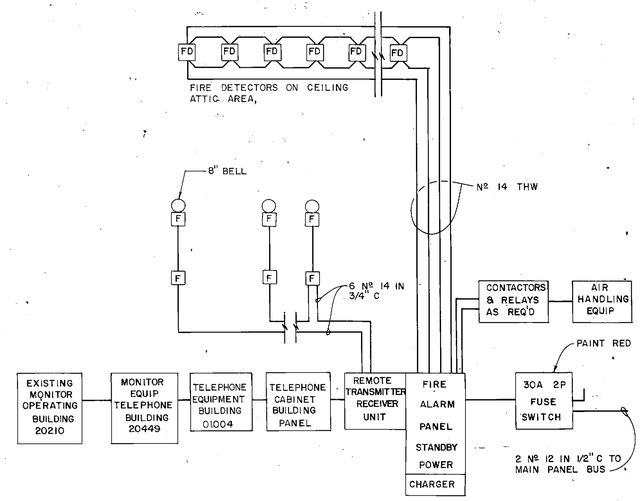
APPROVED: BASE CIVIL ENGINEER

DRAWN BY	DESIGNED BY	DATE	SHEET/PLATE
RAGLIN	H. YATES	APRIL 1979	2 OF 2
SCALE	PROJECT NO.		DRAWING NO. (FILE NO.)
AS SHOWN	KLD 152-7		CES 37/79

585 SH 36



FLOOR PLAN-BUILDING 00585
SCALE 1/8" = 1'-0"



FIRE ALARM RISER DIAGRAM
NOT TO SCALE

	COORDINATION	1	3/15/82	AS BUILT DRAWING
	OFFICE / DATE	REV	DATE	DESCRIPTION

DRAWN: SRV
APPR'D:

MILITARY AIRLIFT COMMAND
KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

REPLACE FIRE ALARM SYSTEM AND PANELS

FIRE PROTECTION PLANS

BUILDING 00585

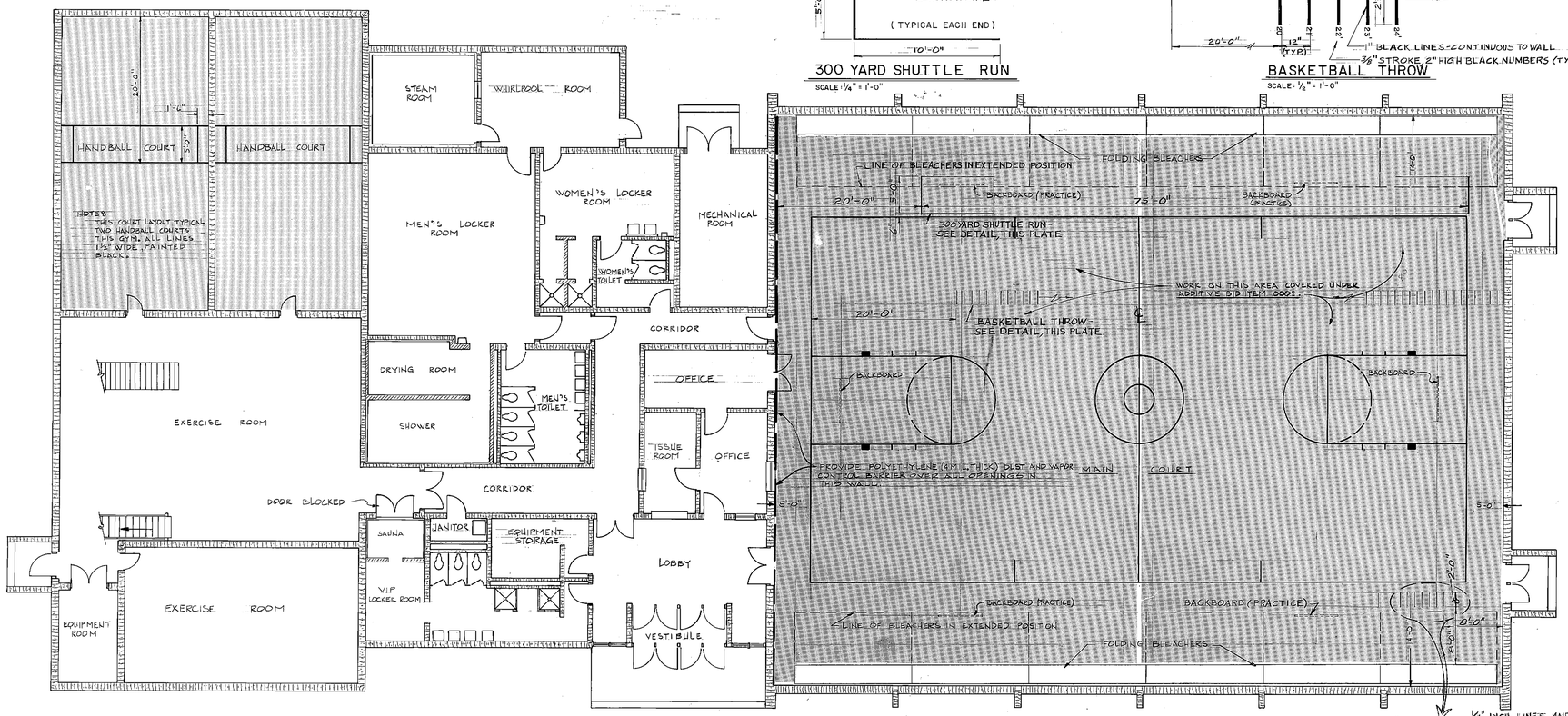
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF
SECURITY POLICE	SAFETY
ENVMT PLANNER	BIO-ENVIRONMENTAL ENG
CORROSION CONTROL ENG	USING AGENCY
PROTECTIVE COATING	BASE COMMUNICATIONS

SUBMITTED: CHIEF, ENGRG/CONST & ENVMT PL.
APPROVED: BASE CIVIL ENGINEER

DRAWN BY	DESIGNED BY	DATE	SHEET / PLATE
DOM TORRES	JOHN SINKEW	FEB. 1981	

SCALE	PROJECT NO.	DRAWING NO. (FILE NO.)
AS SHOWN	KLD 100-7	CES 23/81

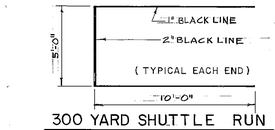
00585 SH 37



FLOOR PLAN - BLDG. 585

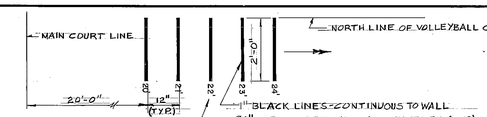
SCALE: ⅛" = 1'-0"

NORTH



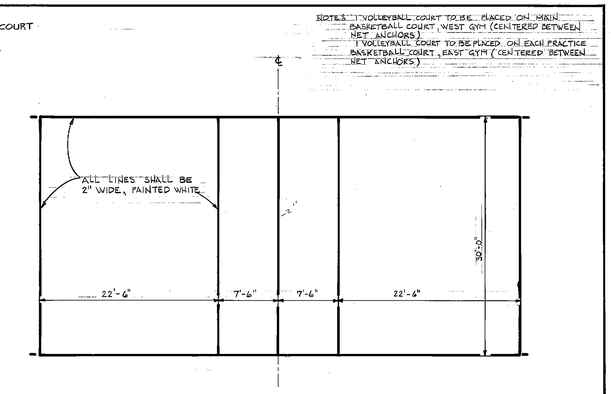
300 YARD SHUTTLE RUN

SCALE: ¼" = 1'-0"



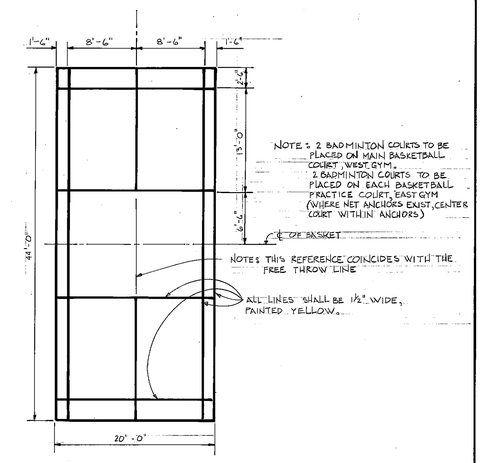
BASKETBALL THROW

SCALE: ⅛" = 1'-0"



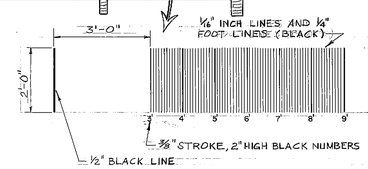
VOLLEYBALL COURT

SCALE: ⅛" = 1'-0"



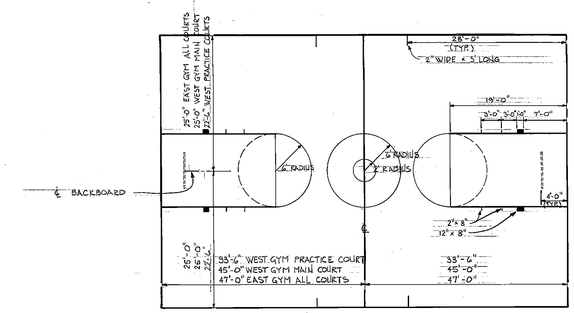
BADMINTON COURT

SCALE: ⅛" = 1'-0"



STANDING LONG JUMP

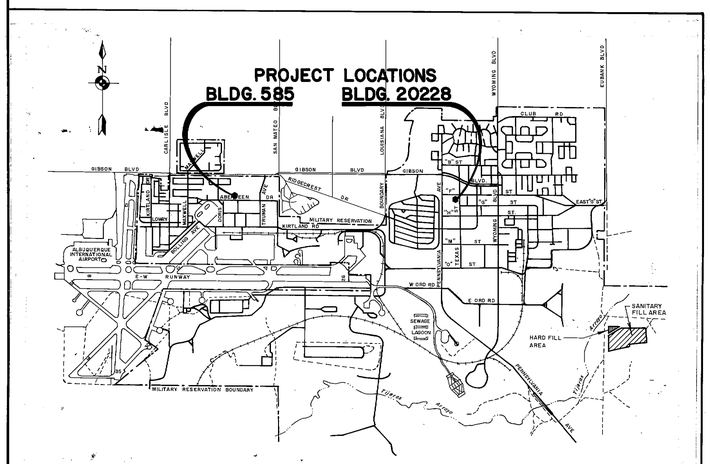
SCALE: ⅛" = 1'-0"



BASKETBALL COURT

NOT TO SCALE

NOTE: ALL LINES TO BE TWO (2) INCHES WIDE. MAIN COURT LINES TO BE BLACK. PRACTICE COURTS TO BE RED.



KIRTLAND AFB

SCALE: 1" = 3200'

NOTE:

1. DO NOT PROCEED WITH FLOOR REFINISHING UNTIL WORK SCHEDULE HAS BEEN COORDINATED WITH USING AGENCY.
2. CONTRACTOR WILL BE REQUIRED TO MOVE BLEACHERS IN BLDG. 20228 TO FINISH FLOOR. EXACT LOCATION OF BLEACHERS MAY VARY FROM PLAN.

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET.

COORDINATION	OFFICE	DATE
CHIEF, ENGRG/TECH DESIGN		23 July 81
FIRE CHIEF		22/7/81
SECURITY POLICE		24 July 81
SAFETY		24 JUL 81
ENVMT PLANNER		23 July 81
BIO-ENVIRONMENTAL ENG		
CORROSION CONTROL ENG		23 July 81
USING AGENCY		
PROTECTIVE COATING		27 July 81
BASE COMMUNICATIONS		N/A

REV	DATE	DESCRIPTION	DRAWN	APPR'D

MILITARY AIRLIFT COMMAND

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

REFINISH GYMNASIUM FLOORING

FLOOR PLAN & DETAILS

BLDG. 585

SUBMITTED: CHIEF, ENGRG, CONST & ENVMT PL

APPROVED: BASE CIVIL ENGINEER

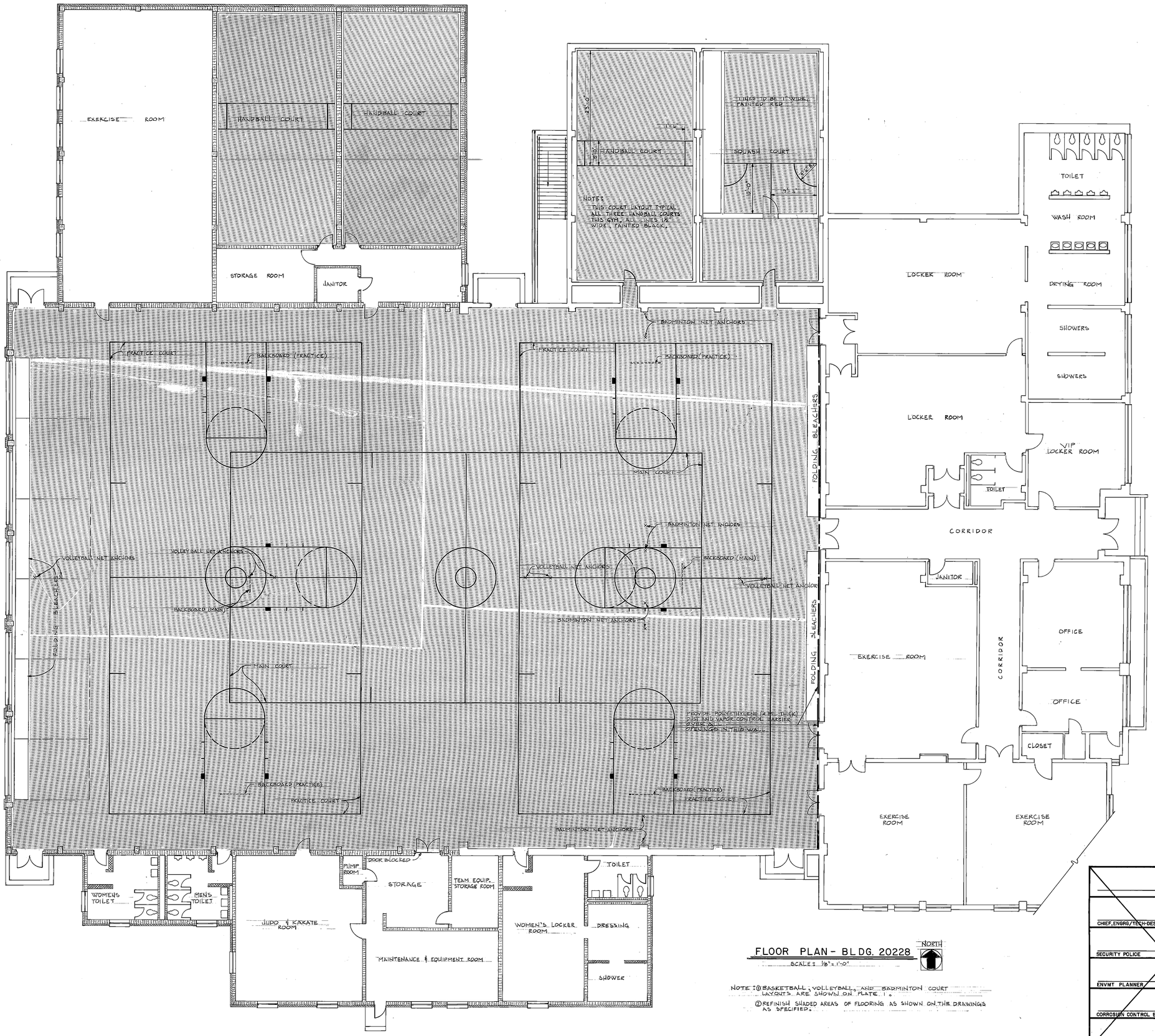
DRAWN BY	DESIGNED BY	DATE	SHEET / PLATE
HAMILTON	MILLER	OCTOBER 1983	1 OF 2

SCALE	PROJECT NO.	DRAWING NO. (FILE NO.)
AS SHOWN	KLD 44-4	CES 4/84

00585 SH 3B

1606th CIVIL ENGINEERING SQUADRON

REFINISH GYMNASIUM FLOORING



FLOOR PLAN - BLDG. 20228

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

NOTE: ① BASKETBALL, VOLLEYBALL, AND BADMINTON COURT LAYOUTS ARE SHOWN ON PLATE 1.

② REFINISH SHADED AREAS OF FLOORING AS SHOWN ON THE DRAWINGS AS SPECIFIED.

COORDINATION					
OFFICE	DATE	REV	DATE	DESCRIPTION	DRAWN / APPR'D
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF				
SECURITY POLICE	SAFETY				
ENVMT PLANNER	BIO-ENVIRONMENTAL ENG				
CORROSION CONTROL ENG	USING AGENCY				
PROTECTIVE COATING	BASE COMMUNICATIONS				

MILITARY AIRLIFT COMMAND

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

REFINISH GYMNASIUM FLOORING

FLOOR PLAN & DETAILS BLDG. 20228

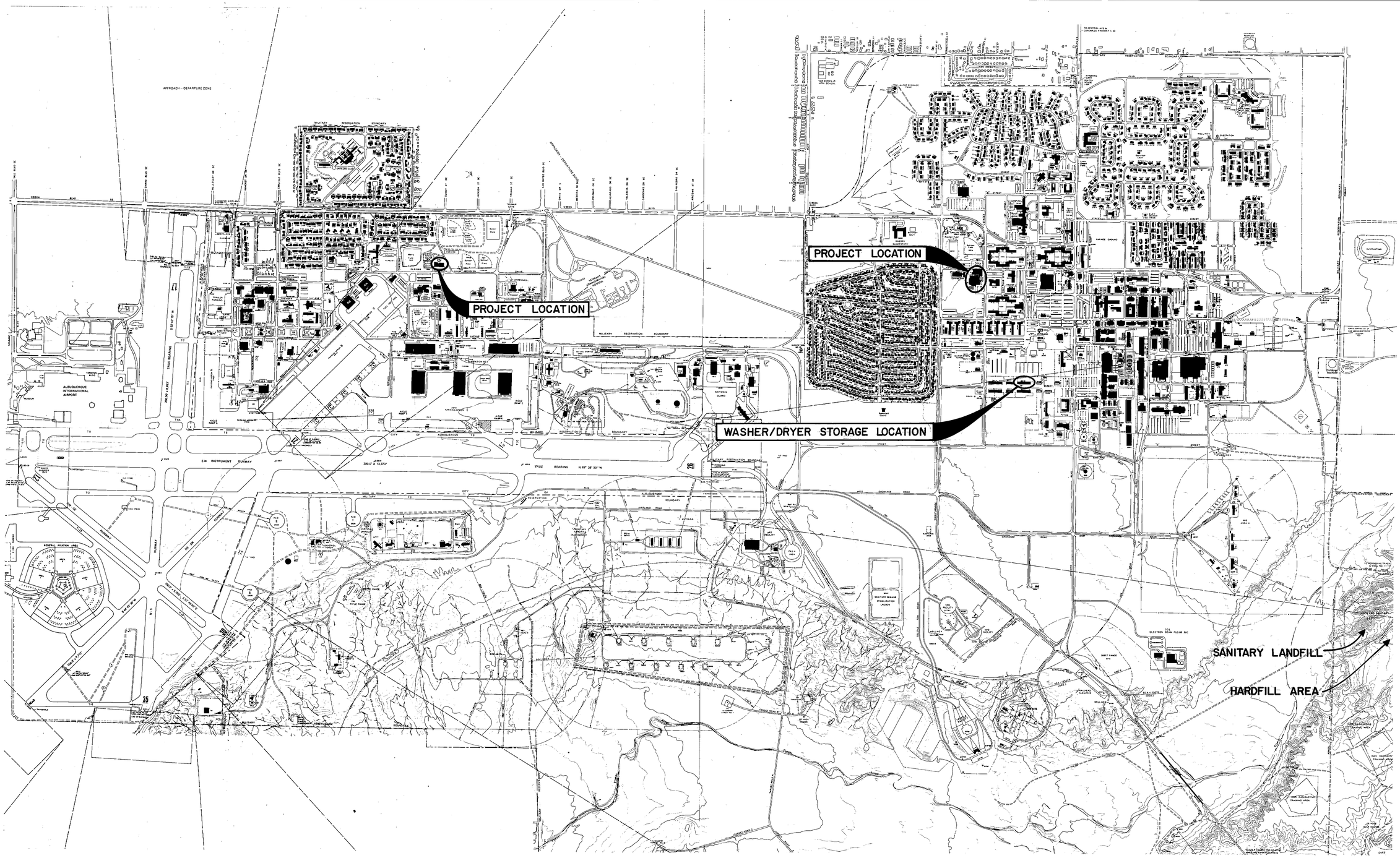
SUBMITTED: CHIEF, ENGRG/CONST & ENVMT PL

APPROVED: BASE CIVIL ENGINEER

DRAWN BY	DESIGNED BY	DATE	SHEET / PLATE
HAMILTON	MILLER	OCTOBER 1983	2 OF 2

SCALE	PROJECT NO.	DRAWING NO. (FILE NO.)
AS SHOWN	KLD 44-4	CES 4/84

00585 SH 39



BASE LAYOUT – KIRTLAND AFB

SCALE 1" = 800'

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET

	COORDINATION OFFICE	DATE
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF	
SECURITY POLICE	SAFETY	21 Sept 84
ENVMT PLANNER	BIO ENVIRONMENTAL ENG	21 Sept 84
CORROSION CONTROL ENG	USING AGENCY	31 July 84 / Aug 84
PROTECTIVE COATING	BASE COMMUNICATIONS	

REV	DATE	DESCRIPTION	DRAWN	APPR'D
	9/13/85	AS BUILT	CMV	

MILITARY AIRLIFT COMMAND

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

UPGRADE ELECTRICAL SERVICE FOR WASHER/DRYER BUILDINGS 585 & 20228

BASE LAYOUT KIRTLAND AFB

SUBMITTED: CHIEF, ENGRG, CONST & ENVMT PL — 31 July 84

APPROVED: BASE CIVIL ENGINEER

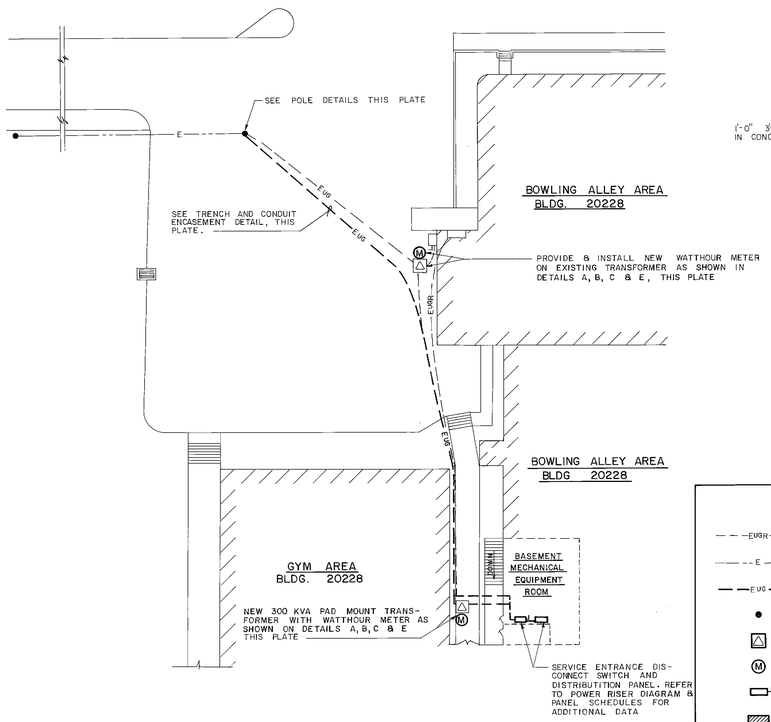
DRAWN BY	DESIGNED BY	DATE	SHEET / PLATE
DOM TORRES	BILL COURSEY	MAR 1984	1 OF 4

SCALE	PROJECT NO.	DRAWING NO. (FILE NO.)
AS SHOWN	KLD 61-3	CES 35/84

1606th AIR BASE WING
ENGRG., CONST., & ENVMT. PLNG BRANCH

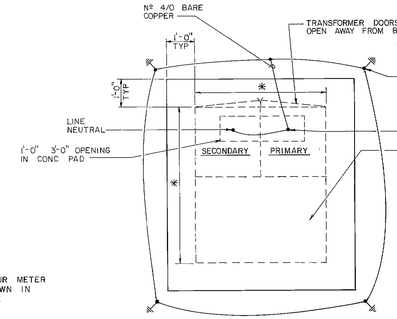
UPGRADE ELECTRICAL SERVICE FOR WASHER/DRYER BUILDINGS 585 & 20228

00585 SH 4D



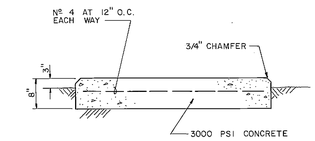
ELECTRICAL — SITE PLAN

SCALE 1" = 20'



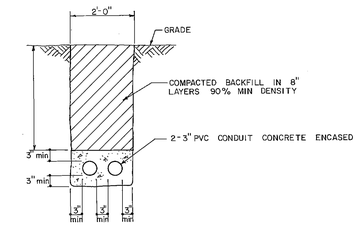
NEW TRANSFORMER PAD DETAIL

NOT TO SCALE



NEW TRANSFORMER PAD SECTION

NOT TO SCALE

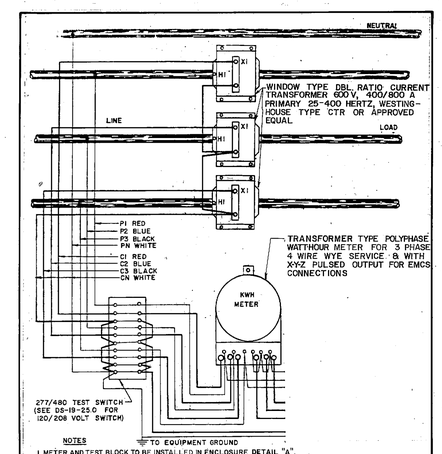


TRENCH AND CONDUIT ENCASEMENT DETAIL

NOT TO SCALE

LEGEND

—EUGR—	EXISTING ELECTRIC UNDERGROUND CIRCUIT (TO BE REMOVED)
—E—	EXISTING ELECTRIC OVERHEAD CIRCUIT
—EUG—	NEW ELECTRIC UNDERGROUND CIRCUIT
●	EXISTING POWER POLE
△	NEW PAD MOUNTED TRANSFORMER
(M)	NEW KW/KWH METER ASSEMBLY
▭	NEW MAIN SERVICE DISCONNECT SWITCH
▨	NEW MAIN DISTRIBUTION PANEL



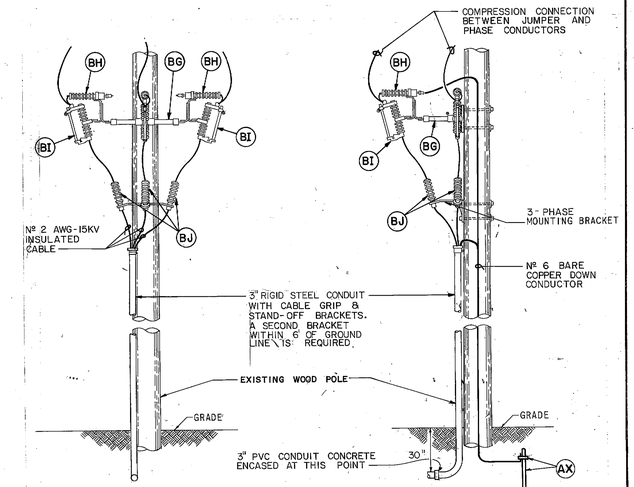
NOTES

1. METER AND TEST BLOCK TO BE INSTALLED IN ENCLOSURE DETAIL "A".
2. CURRENT TRANSFORMER SECONDARES. AND METER FRAMES GROUNDED WITH #10 BARE COPPER WIRE. GROUNDING BASES OF THRU TYPE CT NOT REQUIRED.
3. CURRENT TRANSFORMERS TO BE IN SECONDARY COMPARTMENT OF TRANSFORMER OR AS NOTED ON DRAWING.
4. CURRENT TRANSFORMER SECONDARY WIRING MINIMUM #12 SOLID COPPER WIRE TYPE TW.
5. POTENTIAL SECONDARY WIRING MINIMUM #14 SOLID COPPER WIRE TYPE TW.

3Ø 4 WIRE Y METERING WITH CURRENT TRANSFORMERS

DETAIL "E"

NOT TO SCALE



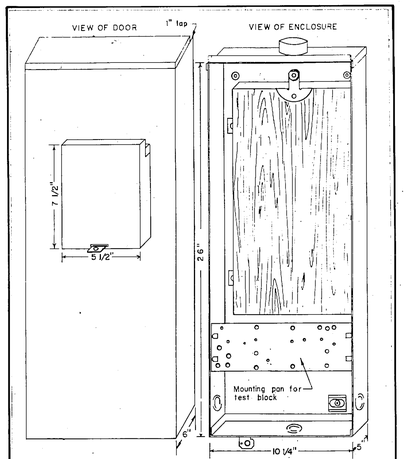
TYPICAL 12.47 KV 3Ø 4W OVERHEAD TO UNDERGROUND

POLE DETAILS

NOT TO SCALE

MATERIALS LIST

SYMBOL	DESCRIPTION
AX	GROUND ROD AND CLAMP, 3/4" x 8'-0"
BG	EPOXIROD TRI ARM MOUNTING BRACKET
BH	15KV LIGHTNING ARRESTOR
BI	15KV OPEN TYPE CUTOUT
BJ	PORCELAIN TERMINATOR 15KV RATING



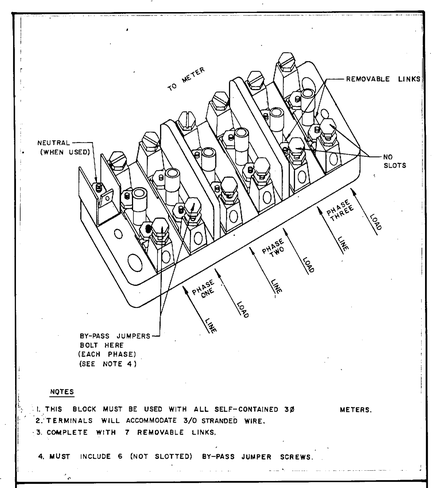
NOTES

1. For 120/208, 240 and 277/480 Volt installations
2. Not less than 3 1/2' of wire in loop both line & load.
3. Enclosure is 10' deep when closed.
4. Complete with drawing meter test block.
5. Contractor must furnish full 3/4" plywood back.

ENCLOSURE FOR 3Ø SELF-CONTAINED METER AND TEST BLOCK

DETAIL "A"

NOT TO SCALE



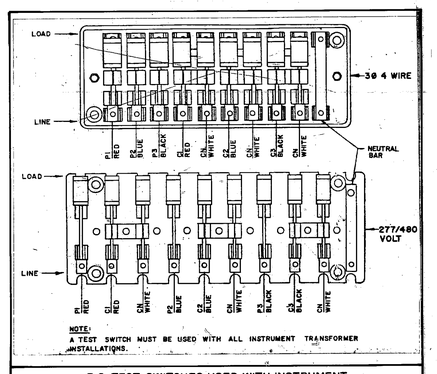
NOTES

1. THIS BLOCK MUST BE USED WITH ALL SELF-CONTAINED 3Ø METERS.
2. TERMINALS WILL ACCOMMODATE 3/0 STRANDED WIRE.
3. COMPLETE WITH 7 REMOVABLE LINKS.
4. MUST INCLUDE 6 (NOT SLOTTED) BY-PASS JUMPER SCREWS.

6 TERMINAL METER TEST BLOCK

DETAIL "B"

NOT TO SCALE



3Ø TEST SWITCHES USED WITH INSTRUMENT TRANSFORMER METERING

DETAIL "C"

NOT TO SCALE

COORDINATION		9/15/85	AS BUILT		CMV
OFFICE	DATE	REV	DATE	DESCRIPTION	DRAWN / APPR'D

MILITARY AIRLIFT COMMAND

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

UPGRADE ELECTRICAL SERVICE FOR WASHER/DRYER BUILDINGS 585 & 20228

ELECTRICAL SITE PLAN & DETAILS

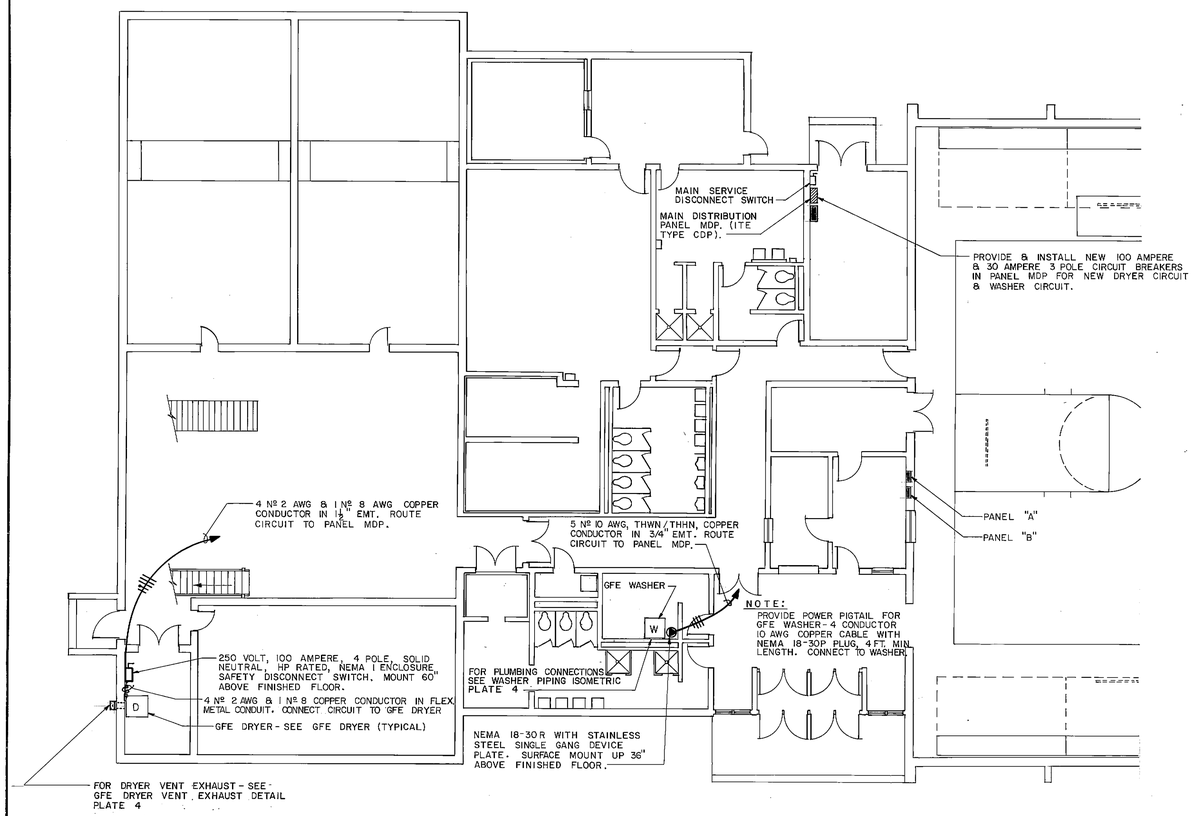
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF
SECURITY POLICE	SAFETY
ENVMT PLANNER	BIO-ENVIRONMENTAL ENG
CORROSION CONTROL ENG	USING AGENCY
PROTECTIVE COATING	BASE COMMUNICATIONS

SUBMITTED: CHIEF, ENGRG/CONST & ENVMT PL

APPROVED: BASE CIVIL ENGINEER

DRAWN BY	DESIGNED BY	DATE	SHEET/PLATE
DOM TORRES	BILL COURSEY	MAR 1984	2 OF 4
SCALE: AS SHOWN	PROJECT NO. KLD 61-3		DRAWING NO. (FILE NO.) CES 35/84

00585 JH 41



ELECTRICAL ALTERATIONS — PARTIAL PLAN BLDG 585

SCALE 1/8" = 1'-0"

NORTH

NEW PANEL SCHEDULE - BLDG 20228

PANEL MDP

800 AMPERE MIN., 3 PHASE - 4 WIRE, SURFACE MOUNT, EQUIPMENT GROUND BAR, SERVICE ENTRACE RATED: (SQUARE D I-LINE TYPE HWC, OR APPROVED EQUAL)

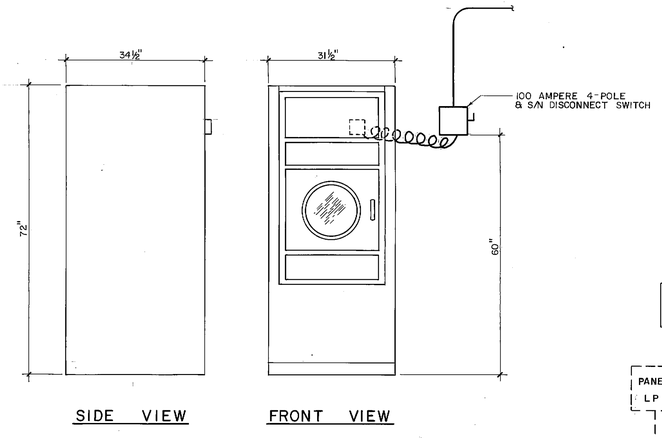
C.R. Nº	EQUIPMENT FEEDING	BR. BREAKER RATING Nº POLES	FRAME SIZE	TRIP ELEMENT	REMARKS
	MAIN CIRCUIT BREAKER	3	800	800	
1	NEW PANEL LP	3	400	400	
2	EXISTING PANEL B	3	200	200	
3	EXISTING PANEL D	3	60	60	
4	EXISTING PANEL E	3	60	60	
5	CONDENSATE PUMP 2 H.P.	3	30	30	
6	NEW DRYER	3	100	100	
7	NEW WASHER	3	30	30	

NEW PANEL SCHEDULE - BLDG 20228

PANEL LP

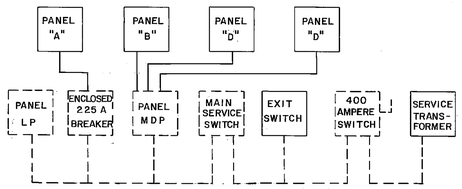
400 AMPERE, 3 PHASE - 4 WIRE, SURFACE MOUNT, EQUIPMENT GROUND BAR, 42 POSITION, 240 V A.C.: (SQUARE D TYPE NQOB, OR APPROVED EQUAL)

C.R. Nº	EQUIPMENT FEEDING	BR. BREAKER RATING Nº POLES	FRAME SIZE	TRIP ELEMENT	REMARKS
1	LIGHTING & RECEPTACLE	2	20	20	TRANSFORMER ROOM
2	LIGHTING PANEL A	3	225	225	
3	EQUIP & EXERCISE ROOMS	3	—	—	
4	EXHAUST FANS, 1/20 & 1/12 H.P.	3	30	30	TRANSFERED FROM OLD PANEL MDP
5	RECIRCULATING PUMP 1/12 H.P.	1	20	20	
6	CONDENSATE PUMP 2 - 1 H.P.	3	50	50	
7	H.W. CIR PUMP 1/2 H.P.	1	20	20	
8	GYM FAN 5 H.P.	3	50	50	
9	OFFICE & HANDBALL FANS 1/2 & 3/4	3	50	50	
10	SUMP PUMP 1/2 H.P.	—	—	—	
11	GYM & HANDBALL COURTS	3	40	40	
12,13	RECEPTACLES	1	20	20	
14,15	EXIT LIGHTS	1	20	20	
16	TOILETS & OFFICES	3	20	20	
18,19	LIGHTING	1	20	20	FAMILY & STEAM ROOMS
20	MOTOR VALVES	1	20	20	
21	SAUNA (SAUNA ROOM)	3	100		



G.F.E. DRYER DETAIL (TYPICAL)

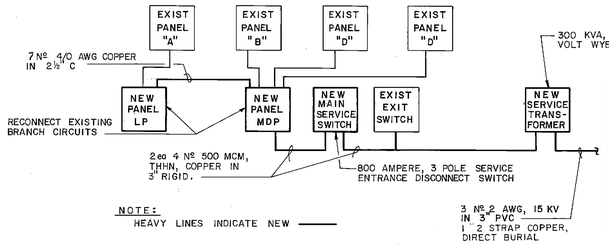
NOT TO SCALE



NOTE:
DASH LINES INDICATE CONDUCTOR & ELECTRICAL EQUIPMENT REMOVALS — — —

EXISTING POWER RISER DIAGRAM - BLDG 20228

NOT TO SCALE



NOTE:
HEAVY LINES INDICATE NEW ——

MODIFIED POWER RISER DIAGRAM - BLDG 20228

NOT TO SCALE

	COORDINATION				
	OFFICE	DATE	REV	DATE	DESCRIPTION	DRAWN	APPR'D
				9/13/85	AS BUILT	CMV	
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF						
SECURITY POLICE	SAFETY						
ENVMT PLANNER	BIO-ENVIRONMENTAL ENG						
CORROSION CONTROL ENG	USING AGENCY						
PROTECTIVE COATING	BASE COMMUNICATIONS						

MILITARY AIRLIFT COMMAND

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

UPGRADE ELECTRICAL SERVICE FOR WASHER/DRYER BUILDINGS 585 & 20228

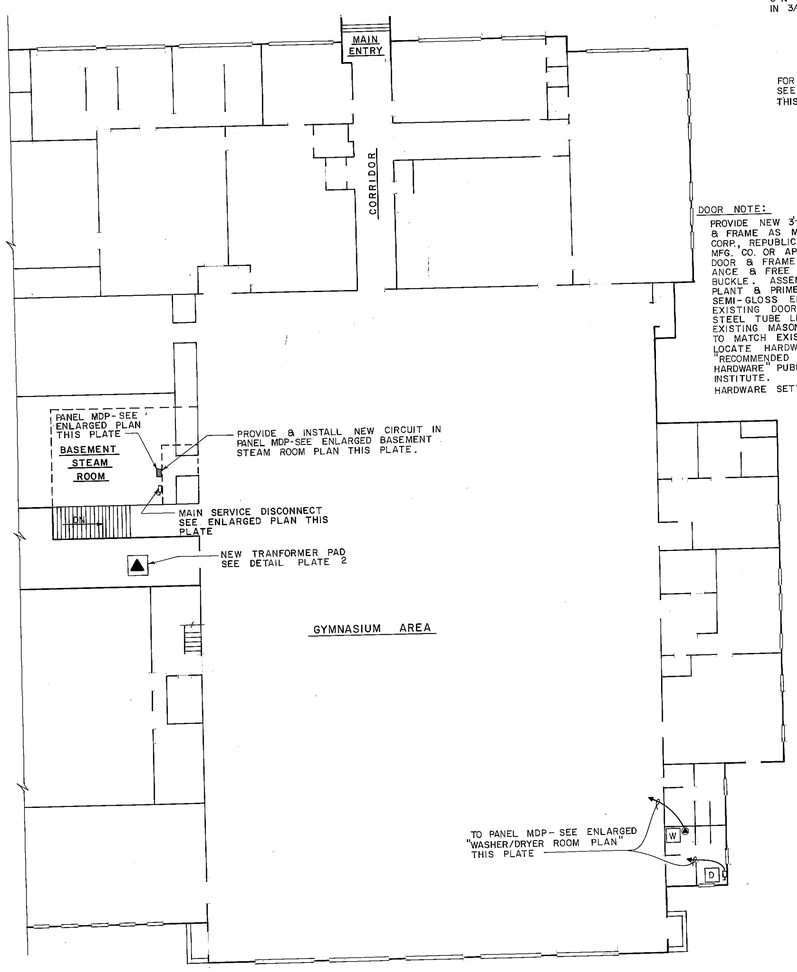
PLANS, DETAILS, PANEL SCHEDULES & RISER DIAGRAMS

SUBMITTED: CHIEF ENGRG/CONST & ENVMT PL — APPROVED: BASE CIVIL ENGINEER

DRAWN BY	DESIGNED BY	DATE	SHEET/PLATE
DOM TORRES	BILL COURSEY	MAR 1984	3 OF 4

SCALE	PROJECT NO.	DRAWING NO. (FILE NO.)
AS SHOWN	KLD 61-3	CES 35/84

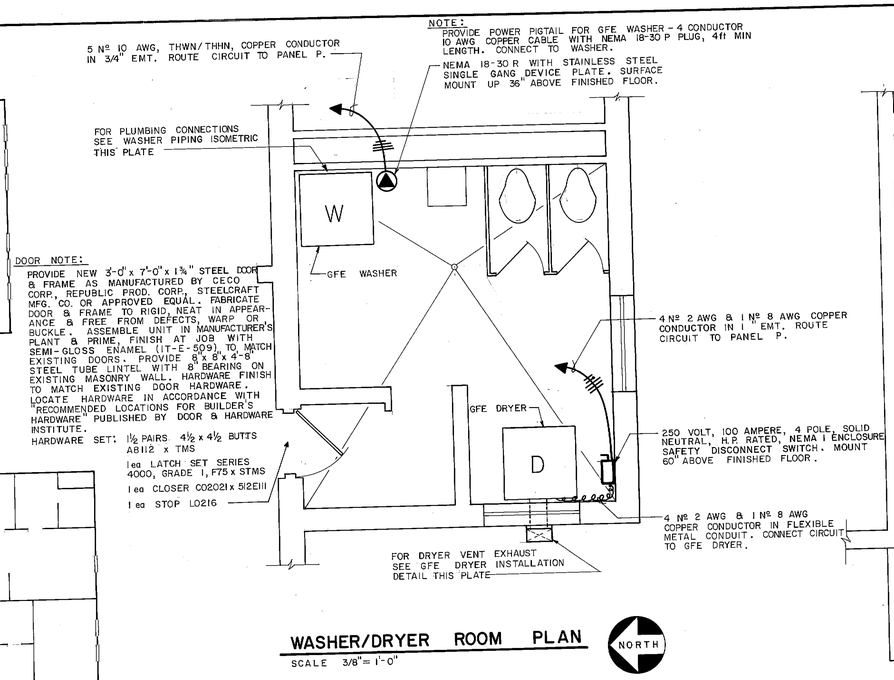
00585 SH 42



ELECTRICAL ALTERATIONS—PARTIAL PLAN BLDG 20228

SCALE 1/16" = 1'-0"

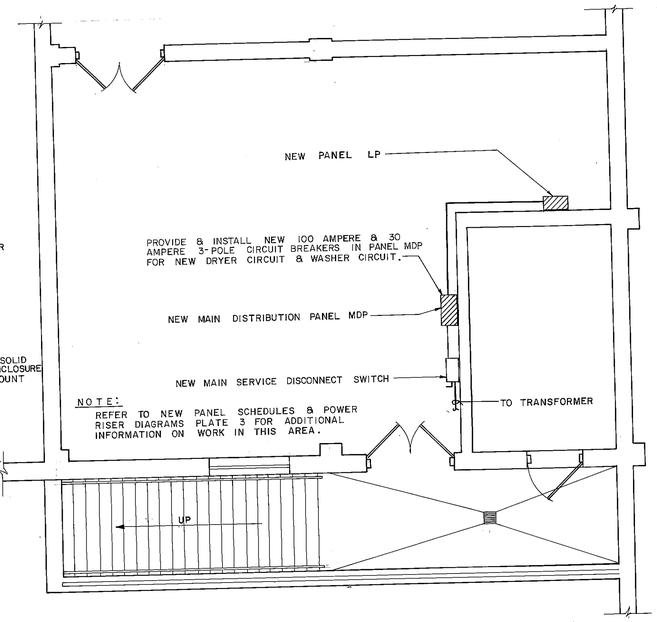
NORTH



WASHER/DRYER ROOM PLAN

SCALE 3/8" = 1'-0"

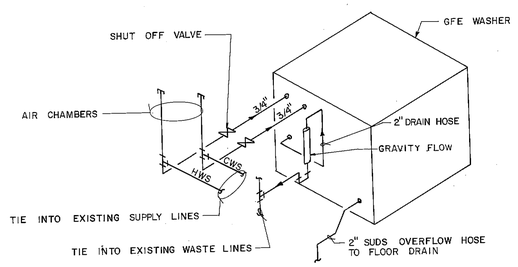
NORTH



BASEMENT STEAM ROOM PLAN

SCALE 1/4" = 1'-0"

NORTH

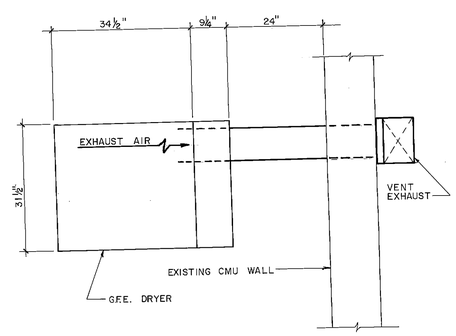


NOTES:

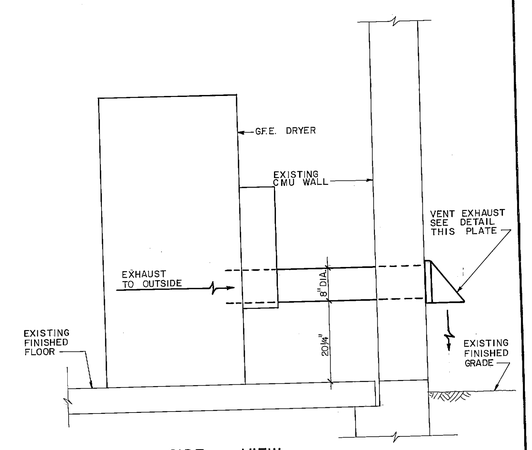
1. STANDPIPE CONNECTIONS SHALL CONFORM TO THE 1982 UNIFORM PLUMBING CODE SECTION 604.
2. AIR CHAMBERS SHALL BE A MINIMUM 20"
3. SUDS OVERFLOW SHALL CONFORM TO MANUFACTURERS MANUAL.

WASHER PIPING – ISOMETRIC

NOT TO SCALE



PLAN VIEW



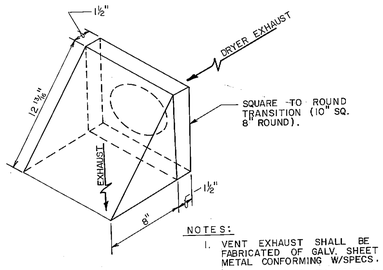
SIDE VIEW

G.F.E. DRYER INSTALLATION DETAIL

NOT TO SCALE

NOTES:

1. EXHAUST VENT CLEARANCE TO COMPLY WITH MANUFACTURERS REQUIREMENTS.
2. 24" MINIMUM WALL CLEARANCE.
3. EXHAUST VENT SHALL BE FABRICATED TO COMPLY WITH SPECIFICATIONS.



NOTES:

1. VENT EXHAUST SHALL BE FABRICATED OF GALV. SHEET METAL CONFORMING W/SPECS.
2. EXTERIOR PAINT TO COMPLY W/SPECS.

DRYER VENT EXHAUST DETAIL

NOT TO SCALE

COORDINATION			
OFFICE	DATE		
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF		
SECURITY POLICE	SAFETY		
ENVMT PLANNER	BIO-ENVIRONMENTAL ENG		
CORROSION CONTROL ENG	USING AGENCY		
PROTECTIVE COATING	BASE COMMUNICATIONS		

REV	DATE	DESCRIPTION	DRAWN	APPR'D
	9/15/85	AS BUILT	C.M.V	

MILITARY AIRLIFT COMMAND

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

UPGRADE ELECTRICAL SERVICE FOR WASHER/DRYER BUILDINGS 585 & 20228

PLANS & MECHANICAL DETAILS

SUBMITTED: CHIEF ENGRG/CONST & ENVMT PL

APPROVED: BASE CIVIL ENGINEER

DRAWN BY: DOM TORRES

DESIGNED BY: BILL COURSEY

DATE: MAR 1984

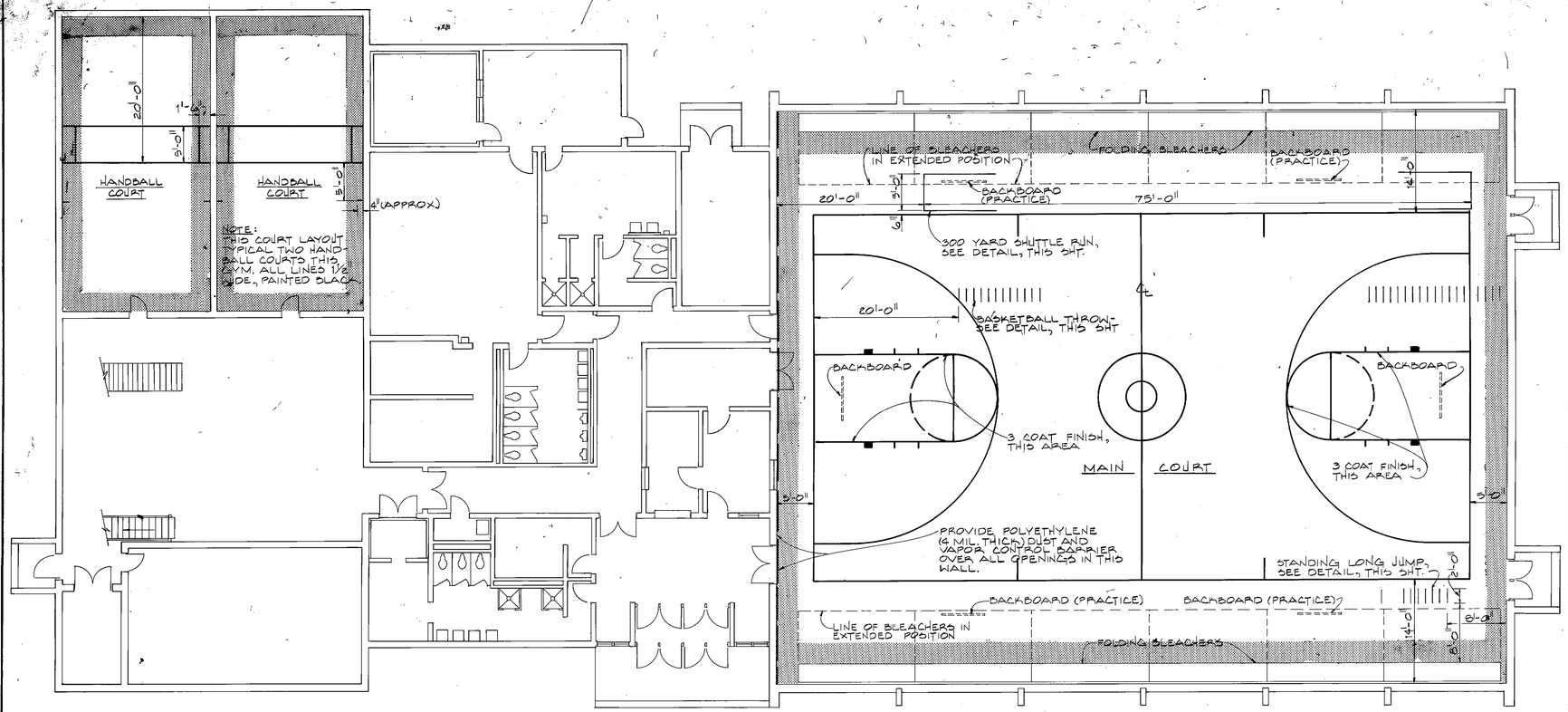
SHEET / PLATE: 4 OF 4

SCALE: AS SHOWN

PROJECT NO.: KLD 61-3

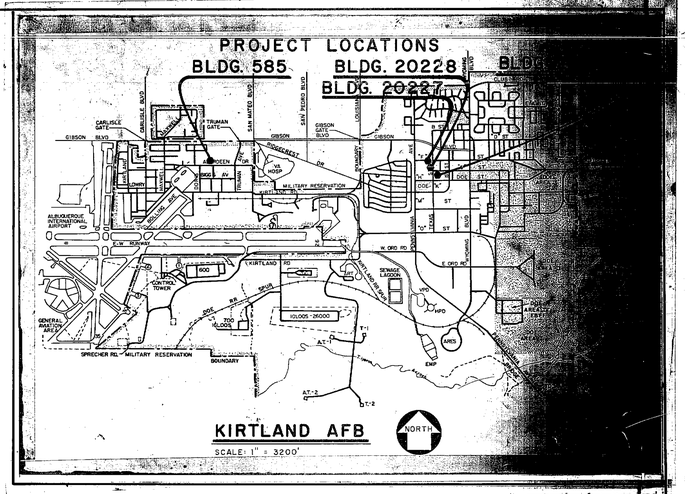
DRAWING NO. (FILE NO.): CES 35/84

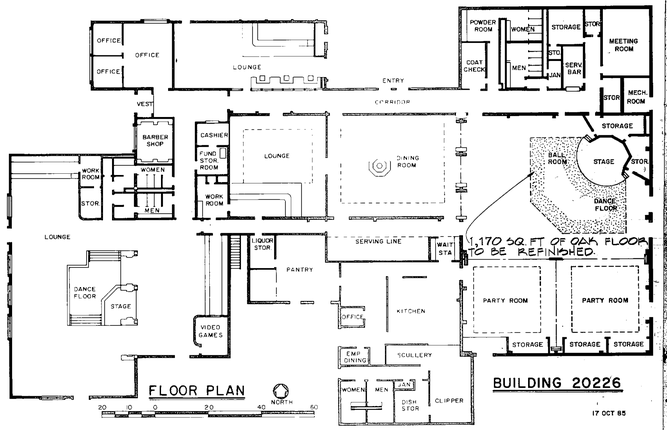
00585 SH 43

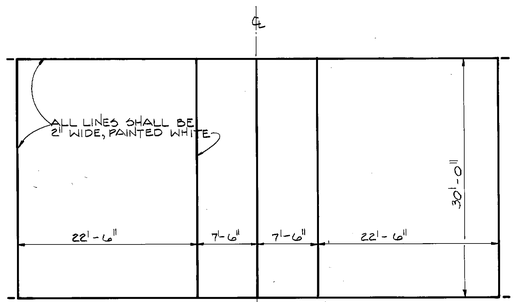


FLOOR PLAN - BLDG. 585

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



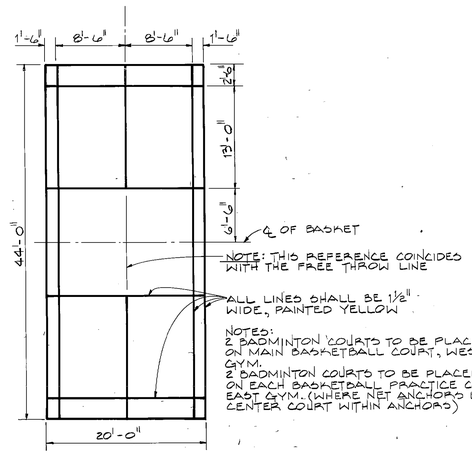




NOTES:
1 VOLLEYBALL COURT TO BE PLACED ON MAIN BASKETBALL COURT, WEST GYM (CENTERED BETWEEN NET ANCHORS).
1 VOLLEYBALL COURT TO BE PLACED ON EACH PRACTICE BASKETBALL COURT, EAST GYM (CENTERED BETWEEN NET ANCHORS).

VOLLEYBALL COURT

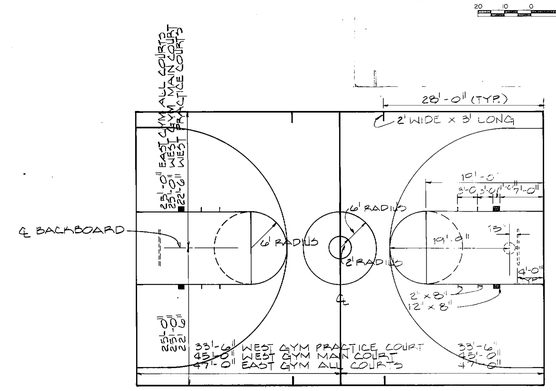
SCALE: 1/8" = 1'-0"



NOTES:
2 BADMINTON COURTS TO BE PLACED ON MAIN BASKETBALL COURT, WEST GYM.
2 BADMINTON COURTS TO BE PLACED ON EACH BASKETBALL PRACTICE COURT, EAST GYM. (WHERE NET ANCHORS EXIST, CENTER COURT WITHIN ANCHORS)

BADMINTON COURT

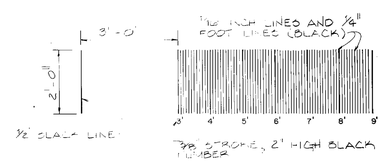
SCALE: 1/8" = 1'-0"



NOTE: ALL LINES TO BE TWO (2) INCHES WIDE. MAIN COURT LINES TO BE BLACK. PRACTICE COURTS TO RED.

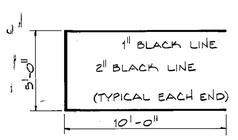
BASKETBALL COURT

NOT TO SCALE



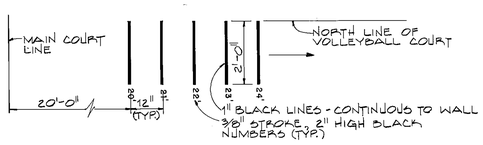
STANDING LONG JUMP

SCALE ½" = 1'-0"



300 YARD SHUTTLE RUN

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



BASKETBALL THROW

SCALE: 1/2" = 1'-0"

NOTES:

1. DO NOT PROCEED WITH FLOOR REFINISHING UNTIL WORK SCHEDULE HAS BEEN COORDINATED WITH USING AGENCY.
2. CONTRACTOR WILL BE REQUIRED TO MOVE BLEACHERS IN BLDG. 20228 TO REFINISH FLOOR. EXACT LOCATION OF BLEACHERS MAY VARY FROM PLAN.

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET.

	COORDINATION OFFICE	DATE	REV	DATE	DESCRIPTION	DRAWN	APPR'D
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF						
SECURITY POLICE	SAFETY						
ENVMT PLANNER	BIO-ENVIRONMENTAL ENG						
CORROSION CONTROL ENG	USING AGENCY						
PROTECTIVE COATING	BASE COMMUNICATIONS						

MILITARY AIRLIFT COMMAND

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

REFINISH GYMNASIUM FLOORING
LOCATION PLAN, FLOOR PLAN
& DETAILS BLDGS. 585 & 20226

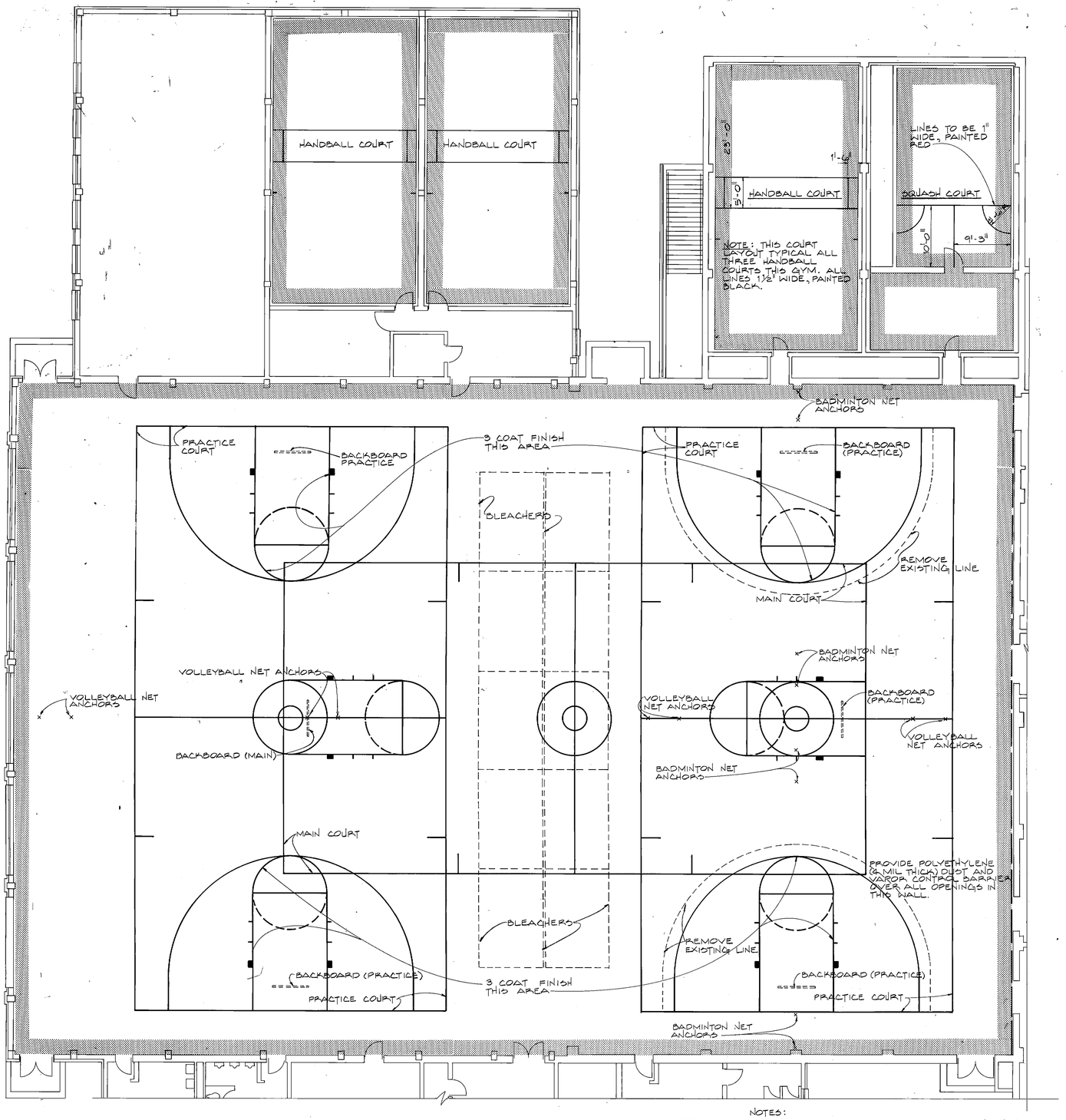
SUBMITTED: Richard Sotelo, ASSOCIATE DIRECTOR for ENGINEERING & ARCHITECTURE

APPROVED: R. E. Sanderson Jr., DIRECTOR, ENGINEERING, CONSTRUCTION & DEVELOPMENT

DRAWN BY	DESIGNED BY	DATE	SHEET/PLATE
SIMMONS	BURWINKLE	SEPT 1986	1 OF 2

SCALE	PROJECT NO.	DRAWING NO. (FILE NO.)
AS SHOWN	KLD 19-7	CES 67/86

005B5 SH 4/4



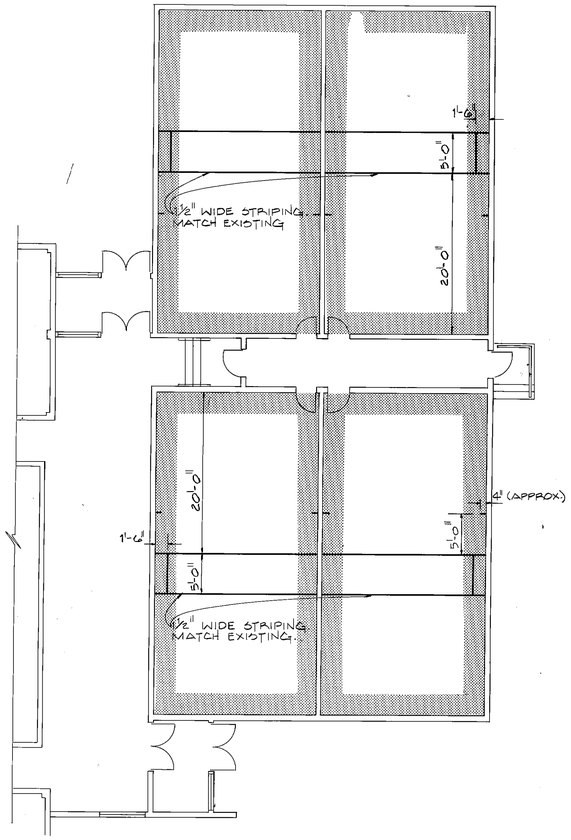
PARTIAL FLOOR PLAN - BLDG. 20228

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

NORTH

NOTES:

1. BASKETBALL, VOLLEYBALL AND BADMINTON COURT LAYOUTS ARE SHOWN ON SHT 1.
2. REFINISH SHADED AREAS OF FLOORING AS SHOWN ON THE DRAWINGS AS SPECIFIED.



RACQUETBALL COURTS

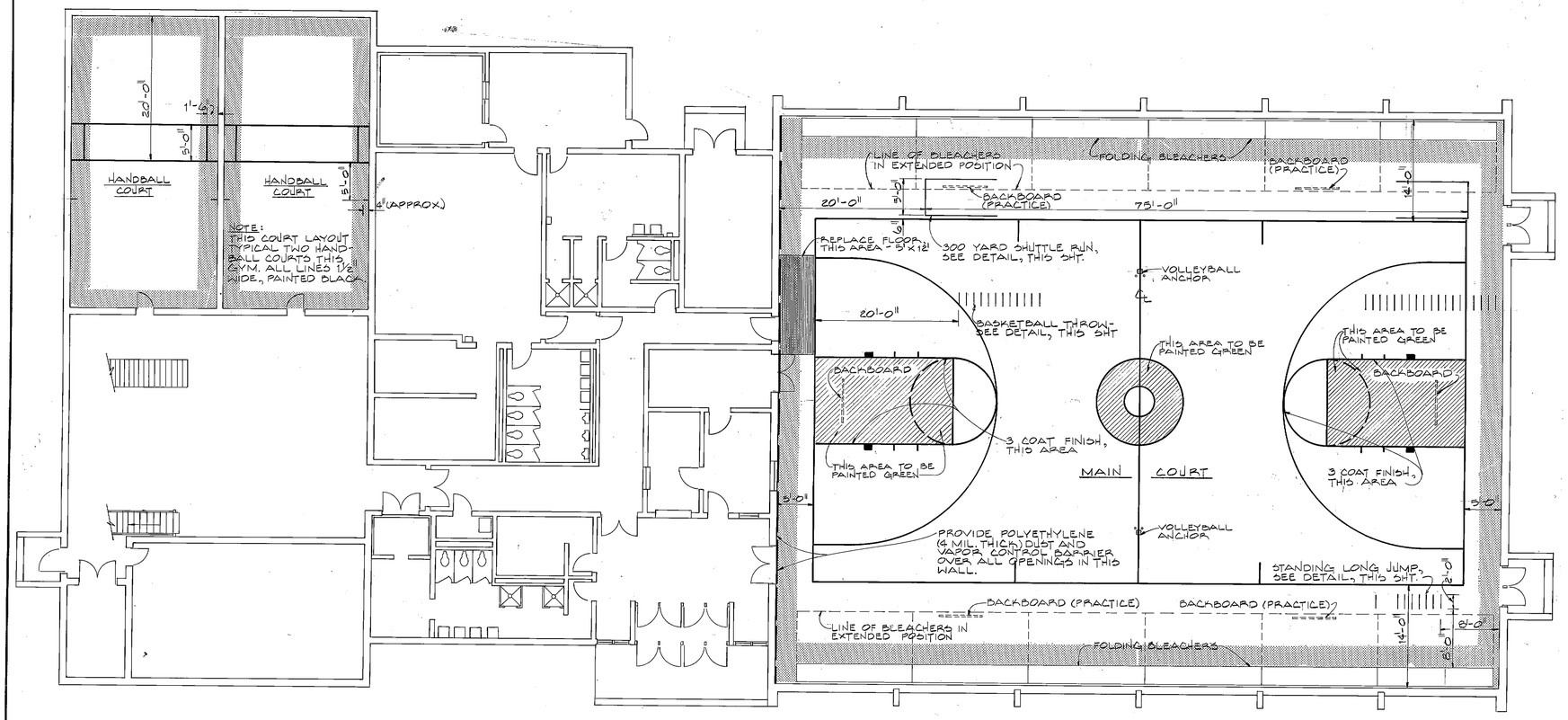
FLOOR PLAN BUILDING 20227

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

NORTH

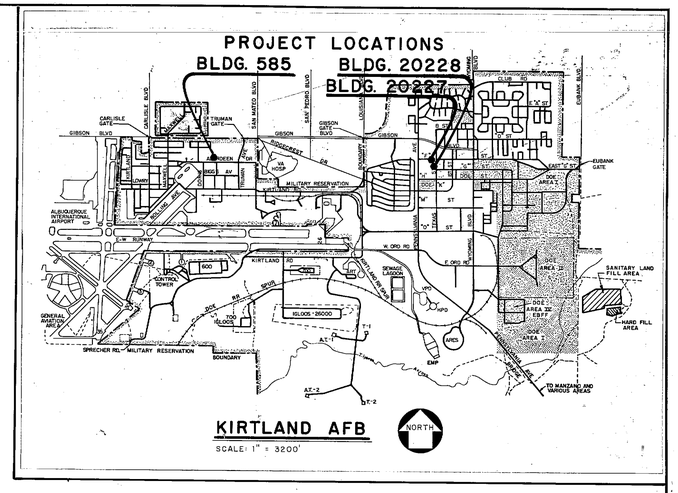
COORDINATION					
OFFICE	DATE	REV	DATE	DESCRIPTION	DRAWN / APPR'D
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF	MILITARY AIRLIFT COMMAND			
		KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO			
SECURITY POLICE	SAFETY	REFINISH GYMNASIUM FLOORING FLOOR PLANS BLDGS. 20227 & 20228			
ENVMT PLANNER	BIO-ENVIRONMENTAL ENG				
CORROSION CONTROL ENG	USING AGENCY	SUBMITTED: CHIEF, ENGRG/CONST & ENVMT PL	APPROVED: BASE CIVIL ENGINEER		
PROTECTIVE COATING	BASE COMMUNICATIONS	DRAWN BY: SIMMONS	DESIGNED BY: BURWINKLE	DATE: SEPT. 1986	SHEET / PLATE: 2 OF 2
		SCALE: AS SHOWN	PROJECT NO.: KLD 19-7		DRAWING NO. (FILE NO.): CES 67/86

00585 SH 45



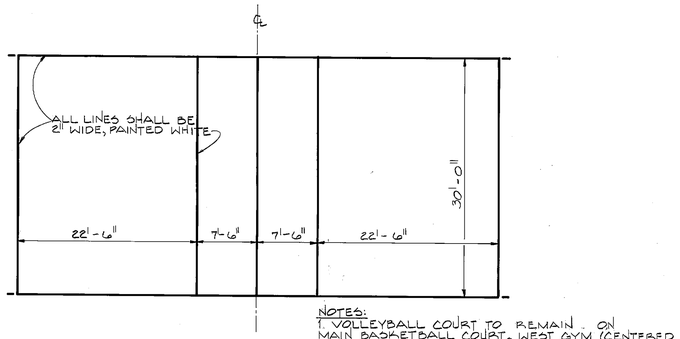
FLOOR PLAN - BLDG. 585

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



LEGEND

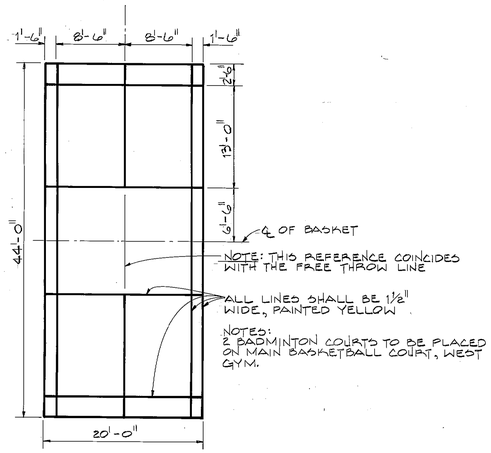
- LIMITS OF WORK
- AREA TO BE PAINTED GREEN
- AREA TO BE REPLACED



NOTES:
1. VOLLEYBALL COURT TO REMAIN ON MAIN BASKETBALL COURT, WEST GYM (CENTERED BETWEEN NET ANCHORS).
1. VOLLEYBALL COURT TO BE PLACED ON EACH PRACTICE BASKETBALL COURT, EAST GYM (CENTERED BETWEEN NET ANCHORS.).

VOLLEYBALL COURT

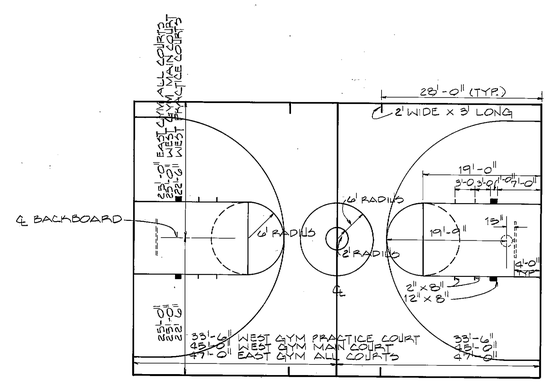
SCALE: 1/8" = 1'-0"



NOTES:
1. BADMINTON COURTS TO BE PLACED ON MAIN BASKETBALL COURT, WEST GYM.

BADMINTON COURT

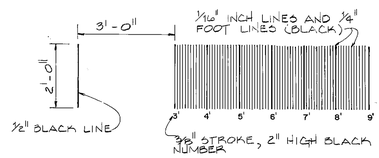
SCALE: 1/8" = 1'-0"



BASKETBALL COURT

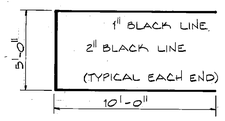
NOT TO SCALE

NOTE: ALL LINES TO BE TWO (2) INCHES WIDE. MAIN COURT LINES TO BE BLACK. PRACTICE COURTS TO RED.



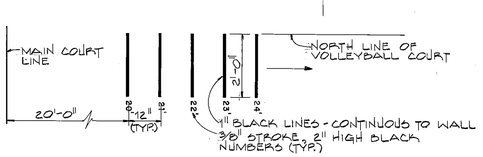
STANDING LONG JUMP

SCALE: 1/2" = 1'-0"



300 YARD SHUTTLE RUN

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



BASKETBALL THROW

SCALE: 1/2" = 1'-0"

NOTES:

1. DO NOT PROCEED WITH FLOOR REFINISHING UNTIL WORK SCHEDULE HAS BEEN COORDINATED WITH USING AGENCY.
2. CONTRACTOR WILL BE REQUIRED TO MOVE BLEACHERS IN BLDG. 20228 TO REFINISH FLOOR. EXACT LOCATION OF BLEACHERS MAY VARY FROM PLAN.
3. SCREEN, VACUUM CLEAN, TOUCHUP PAINT & RECOAT (2 COATS) IAW MFMA BASKETBALL COURT & HANDBALL COURTS BLDG 585.
4. COMPLETELY SAND KEY AREAS, VACUUM, SEAL (1 COAT TT-S-1760), PAINT GREEN AND APPLY 3 COATS FINISH IAW MFMA BLDG 585.

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET.

	COORDINATION OFFICE	DATE
CHIEF, ENGRG/TECH-DESIGN	FIRE CHIEF	
SECURITY POLICE	SAFETY	
ENVMT PLANNER	BIO-ENVIRONMENTAL ENG	
CORROSION CONTROL ENG	USING AGENCY	
PROTECTIVE COATING	BASE COMMUNICATIONS	

REV	DATE	DESCRIPTION	DRAWN	APPR'D

MILITARY AIRLIFT COMMAND

KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

REPAIR GYMNASIUM FLOORING

LOCATION PLAN, FLOOR PLAN & DETAILS BLDGS. 585 & 20228

SUBMITTED: D. Brent Wilson PE, ASSISTANT DIRECTOR for ENGINEERING & ARCHITECTURE

APPROVED: DIRECTOR ENGINEERING, CONSTRUCTION & DEVELOPMENT, 11 FEB 91

DRAWN BY	DESIGNED BY	DATE	SHEET / PLATE
SIMMONS	CASTILLO	MAR. 1990	1 OF 2

SCALE	PROJECT NO.	DRAWING NO. (FILE NO.)
AS SHOWN	KLD MHMV 891003	CES 5/90

00585

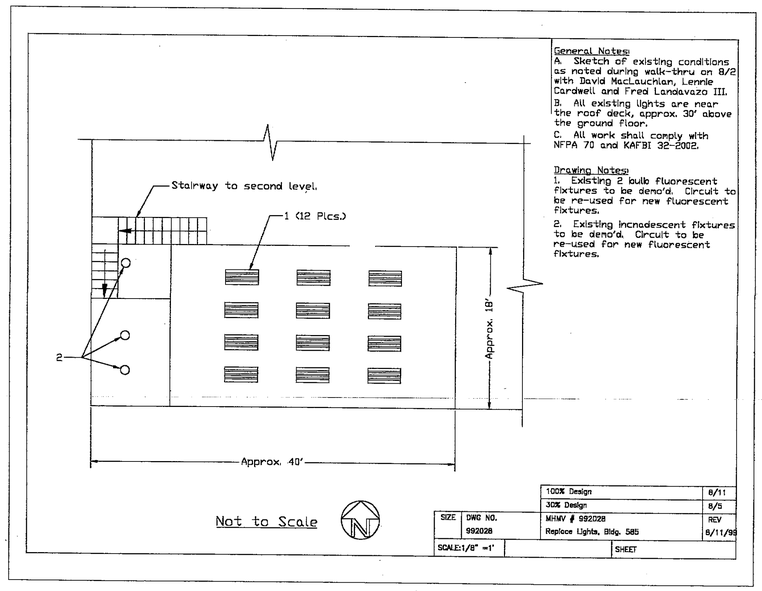
SH 4/40

MHMV #992028
Replace Lights
Building 585

MERCADO CONSTRUCTION

Drawings Complete 12-6-99 DATE:

DRAWINGS APPROVED BY:	
USING AGENCY:	
FIRE DEPARTMENT:	
C.E.	
MHMV #: 992028	DO #: 5006
DRAWN BY: Manny Tarin	
REVISED: 9/29/99	
REVISED	
REVISED	

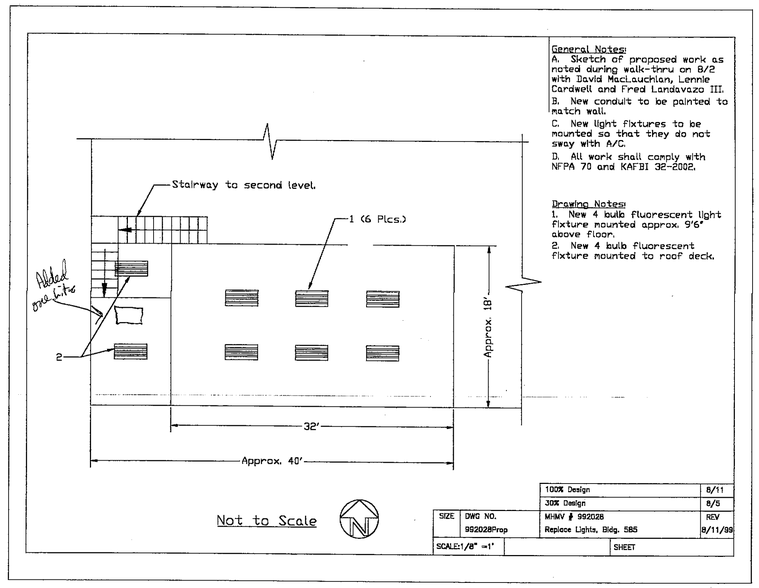


General Notes:
A. Sketch of existing conditions as noted during walk-thru on 8/2 with David MacLauchlan, Lennie Cardwell and Fred Landavazo III.
B. All existing lights are near the roof deck, approx. 30' above the ground floor.
C. All work shall comply with NFPA 70 and KAFBI 32-2002.

Drawing Notes:
1. Existing 2 bulb fluorescent fixtures to be demo'd. Circuit to be re-used for new fluorescent fixtures.
2. Existing incnadescent fixtures to be demo'd. Circuit to be re-used for new fluorescent fixtures.

100% Design	8/11
30% Design	8/5

SIZE	DWG NO.	MHMV # 992028	REV
	992028	Replace Lights, Bldg. 585	8/11/99
SCALE:1/8" =1'		SHEET	



General Notes:
A. Sketch of proposed work as noted during walk-thru on 8/2 with David MacLauchlan, Lennie Cardwell and Fred Landavazo III.
B. New conduit to be painted to match wall.
C. New light fixtures to be mounted so that they do not sway with A/C.
D. All work shall comply with NFPA 70 and KAFBI 32-2002.

Drawing Notes:
1. New 4 bulb fluorescent light fixture mounted approx. 9'6" above floor.
2. New 4 bulb fluorescent fixture mounted to roof deck.

100% Design	8/11
30% Design	8/5

SIZE	DWG NO.	MHMV # 992028	REV
	992028Prop	Replace Lights, Bldg. 585	8/11/99
SCALE:1/8" =1'		SHEET	

00585

SCALE: AS SHOWN

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET.

COORDINATION

OFFICE	DATE
FIRE CHIEF	
SAFETY	
ENVIRONMENTAL MANAGEMENT	BIO-ENVIRONMENTAL ENG
CORROSION ENG	USING AGENCY
PROJECT MANAGER	BASE COMMUNICATIONS

REV	DATE	DESCRIPTION	DRAWN	APPR'D

AIR FORCE MATERIEL COMMAND
KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

REPLACE LIGHTS
BUILDING 585

SUBMITTED: Chief, Project Management Team
APPROVED: Director, Engineering Division

DRAWN BY	DESIGNED BY	DATE	SHEET
Name	Name	SEP 99	1 of 1
SCALE: As Shown	PROJECT NUMBER: MHMV 992028		DRAWING NUMBER: CEG X/X

DRAWING OF WORK AS BUILT 00585 SH 47

PRATERS

Kirtland 7-17-18 v2

LOGO
GYM FLOOR STENCILS

KIRTLAND
3' tall x 26'3" wide

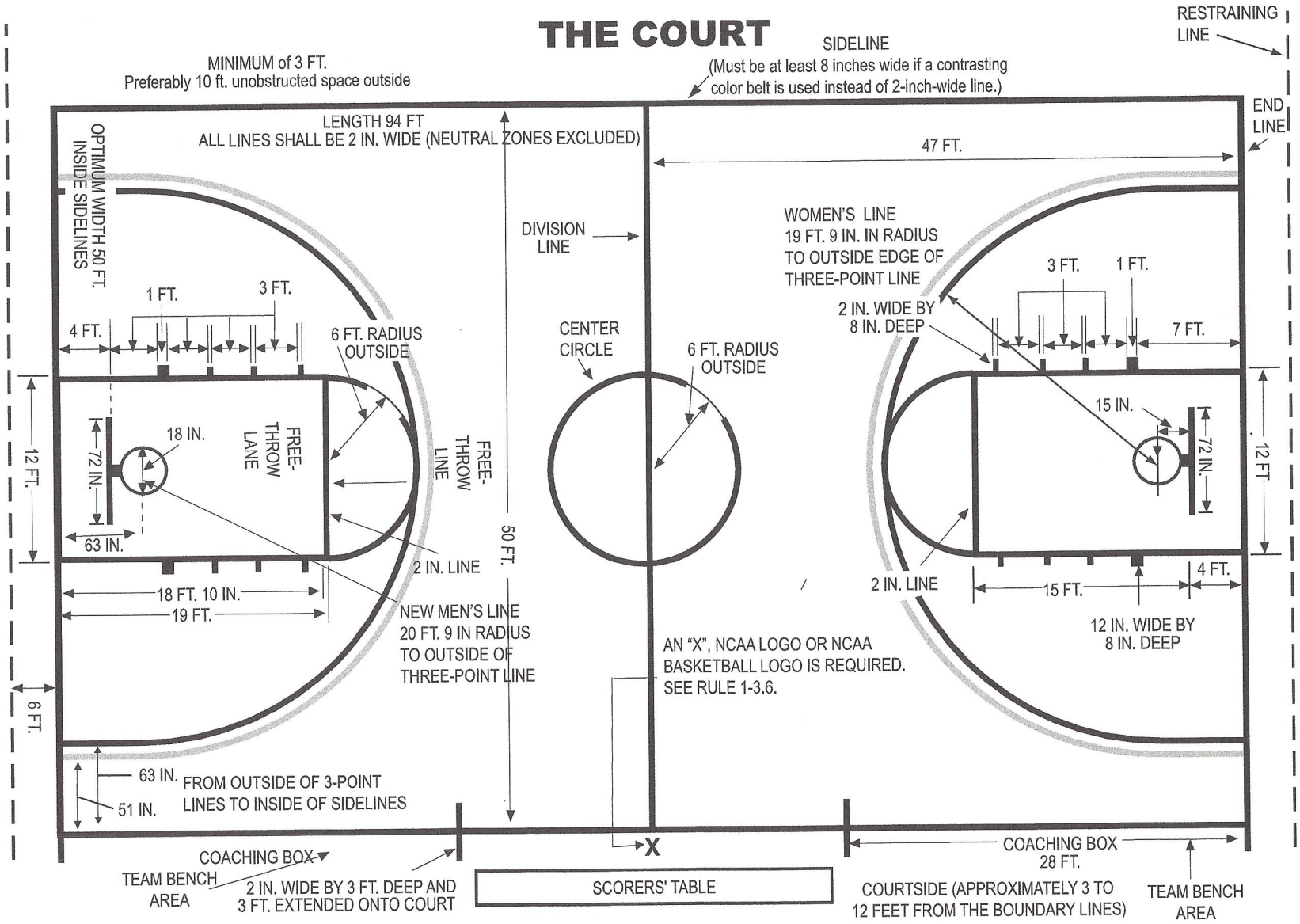
15' wide

Kirtland AFB Fitness & Sports
7' wide

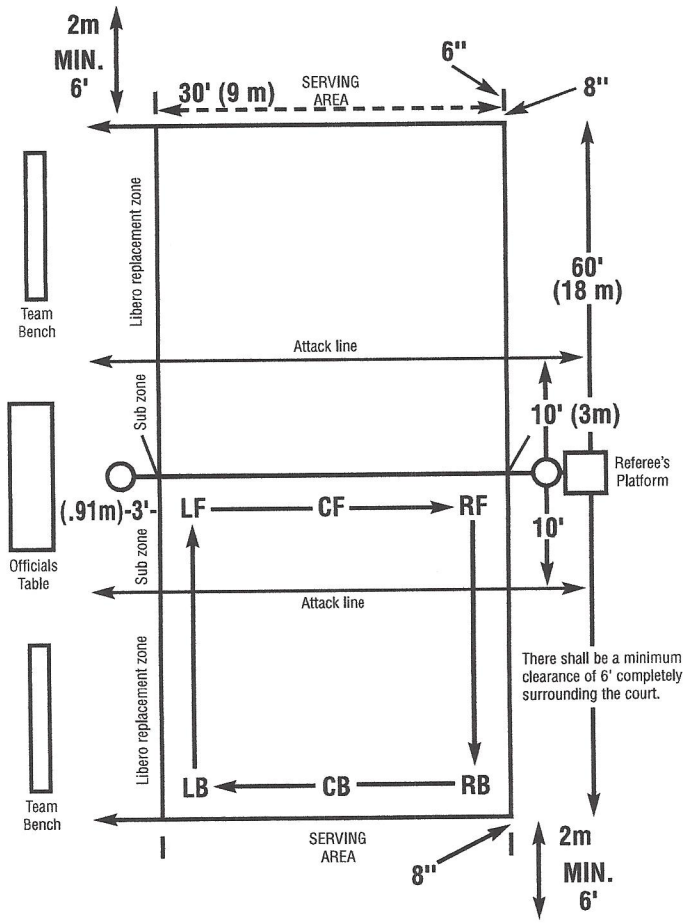
Approved By: _____ (Signature) _____ (Printed Name) Date: _____

PRATERS | 2712 8th Avenue | Chattanooga, Tennessee 37407 | 855.266.7436 | pratersflooring.com

THE COURT


MINIMUM of 3 FT.
Preferably 10 ft. unobstructed space outside
SIDELINE
(Must be at least 8 inches wide if a contrasting color belt is used instead of 2-inch-wide line.)
RESTRAINING LINE
END LINE
LENGTH 94 FT
ALL LINES SHALL BE 2 IN. WIDE (NEUTRAL ZONES EXCLUDED)
OPTIMUM WIDTH 50 FT. INSIDE SIDELINES
47 FT.
DIVISION LINE
WOMEN'S LINE
19 FT. 9 IN. IN RADIUS
TO OUTSIDE EDGE OF
THREE-POINT LINE
1 FT.
3 FT.
4 FT.
6 FT. RADIUS OUTSIDE
CENTER CIRCLE
6 FT. RADIUS OUTSIDE
2 IN. WIDE BY 8 IN. DEEP
7 FT.
15 IN.
18 IN.
72 IN.
FREE-THROW LANE
FREE-THROW LINE
12 FT.
63 IN.
50 FT.
2 IN. LINE
18 FT. 10 IN.
19 FT.
NEW MEN'S LINE
20 FT. 9 IN RADIUS
TO OUTSIDE OF
THREE-POINT LINE
15 FT.
4 FT.
12 IN. WIDE BY 8 IN. DEEP
AN "X", NCAA LOGO OR NCAA BASKETBALL LOGO IS REQUIRED. SEE RULE 1-3.6.
6 FT.
63 IN.
51 IN.
FROM OUTSIDE OF 3-POINT LINES TO INSIDE OF SIDELINES
X
COACHING BOX
TEAM BENCH AREA
2 IN. WIDE BY 3 FT. DEEP AND 3 FT. EXTENDED ONTO COURT
SCORERS' TABLE
COACHING BOX 28 FT.
COURTSIDE (APPROXIMATELY 3 TO 12 FEET FROM THE BOUNDARY LINES)
TEAM BENCH AREA

COURT DIAGRAM



Note: All lines on the court are 2 inches wide. For the center line, a solid or shadow-bordered 2-inch wide line is permissible. The border or outlines for the shadowed center line shall be at least ¼-inch wide and shall be within the 2-inch width. It is recommended that the court should be clear of obstructions and the overhead playable area should be at least 23 feet (7 meters) high.