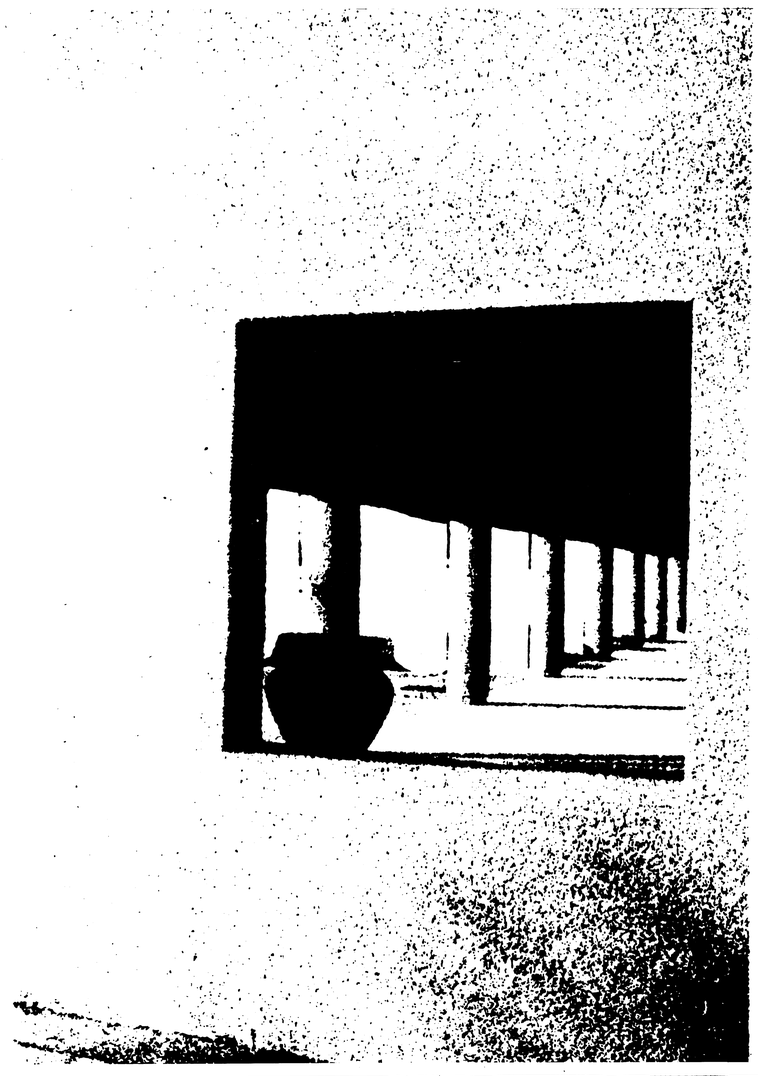


Vehicle Storage Building

PROJECT NO. 8525-23.01

City Project no. 3562

A.I.P. Project No. 3-35-0003-08-88

Master Plan Improvement Program
Albuquerque International Airport

BPLW

CONTACT: Jonathan C. Sanchez 505/881-BPLW

Project Manager: Charlie M. Otero, AIA

Philip W. Clark, PE	Civil
Vincent A. Meyer, PE	Structural
Richard G. Brown, PE	Mechanical
David A. Penasa, PE	Electrical

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By:

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 5 6 2 0 0 9 0

Albuquerque International Airport

REV	SHEETS	CITY ENGR	DATE	USER DEPT.	DATE	USER DEPT.	DATE

APPROVAL OF REVISIONS

DRAWING NO. 3562

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

10/13/89

MATERIAL INDICATIONS

- EARTH
- CONCRETE
- BRICK
- CONCRETE BLOCK
- STEEL
- BATT INSULATION
- RIGID INSULATION
- GRAVEL
- SAND
- WOOD (FINISH)
- WOOD (THROUGH MEMBER)
- WOOD (INTERUPTED MEMBER)
- GYPSUM BOARD
- PLYWOOD
- CEILING TILE
- PARTICLE BOARD

LEGEND OF SYMBOLS

- SECTION LETTER OR DETAIL NUMBER
- SECTION OR DETAIL SUB-TITLE LOCATION
- SCALE:
- SHEET WHERE CUT
- SECTION LETTER
- SHEET WHERE DRAWN
- DETAIL NUMBER
- SHEET WHERE DRAWN
- ELEVATION LETTER
- SHEET WHERE DRAWN
- ROOM NUMBER
- OFFICE ← ROOM NAME
- A/0-0" ← CEILING HEIGHT / FINISH GROUP
- INTERIOR ELEVATION
- SHEET WHERE DRAWN
- DOOR NUMBER
- FRAME OR WINDOW TYPE
- EQUIPMENT OR FIXTURE NUMBER
  K PREFIX DESIGNATES KITCHEN EQUIPMENT
- KEYED NOTE
- T.C. 1851.33 / T.P. 1851.00 SPOT ELEVATION
- "TOP OF PARAPET" ELEV. 1857.00 CONTROL OR DATUM POINT
- PROPERTY LINE

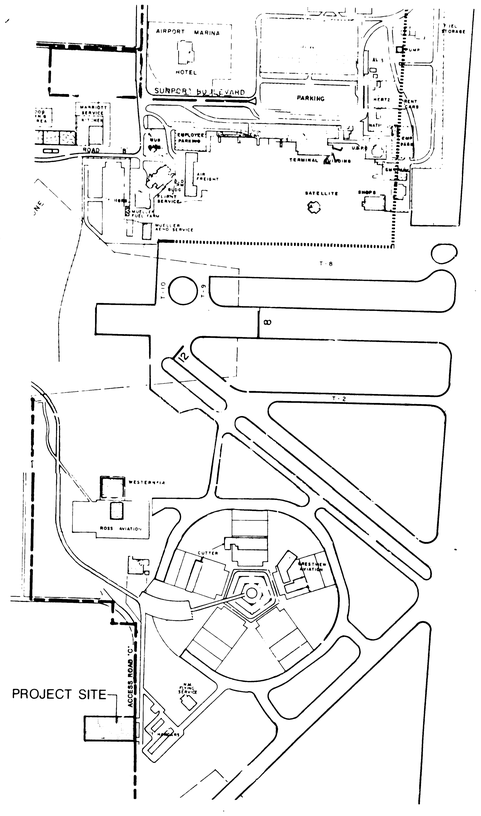
ABBREVIATIONS & SYMBOLS

SYMBOLS USED AS ABBREVIATIONS:

∠	angle
℄	centerline
C	channel
d	penny
⊥	perpendicular
ϕ	round/diameter
□	square

ABBREVIATIONS:

Above Finished Floor	A.F.F.
Access Floor	AC FLR
Acoustical	ACOUS.
Aggregate	AGG.
Anchor, Anchorage	ANC
Architect(ural)	ARCH
Bearing	BRG
Below Finished Floor	B.F.F.
Benchmark	B.M.
Board	BD
Boiler	BOY.
Building	BLDG
Cast Iron	C.I.
Ceiling	CLG
Clear	CLR.
Column	COL.
Concrete	CONC
Concrete Masonry Unit	CMU
Construction	CONST
Continuous or Continue	CONT.
Control Joint	C.J.
Corridor	CORR
Detail	DTL
Diameter	DIAM
Dimension	DIM
Down	DN
Drinking Fountain	D.F.
Electrical	ELEC
Electric Water Cooler	EWC
Elevation	EL or ELEV
Existing	EXIST
Expansion Joint	EXP
Exposed	EXP
Exterior	EXT
Exterior Insulation & Finish System	E.I.F.S.
Finish(ed)	FIN
Finished Floor	F.F.
Fire Extinguisher	F.E.
Floor(ing)	FLR
Footing	FTG
Galvanized Iron	G.I.
Gauge	GA.
General Contractor(or)	G.C.
Glass, Glazing	GL
Glazed Concrete Masonry Unit	GCMU
Gypsum	GYP
Hardware	H.W.
Hardboard	HBD
Heating/Ventilating/Air Conditioning	HVAC
Height	HT.
Hollow Metal	H.M.
Horizontal	HORIZ
Hose Bib	H.B.
Inside Diameter	I.D.
Insulation	INSUL
Interior	INT
Joint	JT
Knockout	K.O.
Laminate(d)	LAM
Lavatory	LAV
Light Metal	LM
Louver	LVR
Manufacture(r)	MFR
Masonry	MAS
Masonry Opening	M.O.
Material(s)	MATL
Maximum	MAX
Mechanical	MECH
Metal	MTL
Metal Threshold	M.T.
Minimum	MIN
Miscellaneous	MISC
Nominal	NOM
Not In Contract	N.I.C.
Not To Scale	N.T.S.
On Center(s)	O.C.
Opposite	OPP
Outside Diameter	O.D.
Owner Furnish/Contractor Install	O.F.C.I.
Plaster	PLAS
Plate	PL
Plywood	PLYWD
Point	PT
Polyvinyl Chloride	PVC
Pounds Per Cubic Foot	PCF
Pounds Per Linear Foot	PLF
Pounds Per Square Foot	PSF
Pounds Per Square Inch	PSI
Quarry Tile	QT
Require(d)	REQ'D
Return Air	R.A.
Right of Way	R.O.W.
Roof Drain	R.D.
Roof Drain Leader	R.D.L.
Rough Opening	R.O.
Section	SECT
Service Sink	S.S.
Shelving	SHVG
Similar	SIM
Solid Core	SIM
Specification(s)	SPEC
Square	SQ
Stainless Steel	SST
Structural	STRUCT
Suspended	SUSP
Synthetic	SYN
Tongue and Groove	T&G
Top of Fill	T.O.F.
Top of Structure (Steel)	T.O.S.
Top of Wall	T.O.W.
Vinyl Composition Tile	VCT
Vertical	VERT
Water Closet	W.C.
Water Heater	W.H.
Welded Wire Fabric	WWF



LOCATION MAP

DESIGN CRITERIA

EPC CASE NO.: Z-1449-1

ZONING: M-2

DECIBEL LEVEL: Ldn-70

ADDRESS
3601 Access Road "C", Albuquerque, NM 87106

REFERENCES

City of Albuquerque Comprehensive Zoning Code
Uniform Building Code, 1985 Edition

OCCUPANCY GROUP B1

Gasoline service stations, garages where no repair work is done except exchange of parts and maintenance requiring no open flame, welding, or use of Class I, II or III-A liquids.

CONSTRUCTION TYPE II N

FLOOR AREA (Allowable)

Base Garage, Parking	12,000 sq. ft.
Area Increases (Separation 3 Sides) 64%	19,680 sq. ft.

FLOOR AREA (Actual)

Storage	2,370 sq. ft.
Garage, Parking	10,426 sq. ft.
TOTAL	12,796 sq. ft.

BUILDING HEIGHT

Allowable	2 Stories/55 ft. (B-1/II N)
Actual	1 Story/22'-8" (B-1/II N)

OCCUPANT LOAD

	Area (Sq. Ft.)	Sq. Ft./Person		
Storage	2,370	300	=	8
Garage, Parking	10,426	200	=	53
		TOTAL	=	61

EXITS

Required	2
Provided	9

EXIT WIDTH

Required	4 FT.
Provided	27 FT.

PARKING

Required	23 spaces
Provided	35 spaces

LANDSCAPING

Required	7% X Paved Offstreet Parking (21,850 sq. ft.) = 1474 sq. ft.
Provided	2130 sq. ft.

SCHEDULE OF DRAWINGS

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12-22-89

1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 5 6 2 0 1 9 0

BPLW
Architects & Engineers, Inc
American Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881-BPLW

Designing to Shape the Future

ENGINEER

STATE OF NEW MEXICO — RONALD L. PETERS NO. 789 — REGISTERED ARCHITECT

ARCHITECT

VEHICLE STORAGE BUILDING

ALBUQUERQUE INTERNATIONAL AIRPORT

ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3562

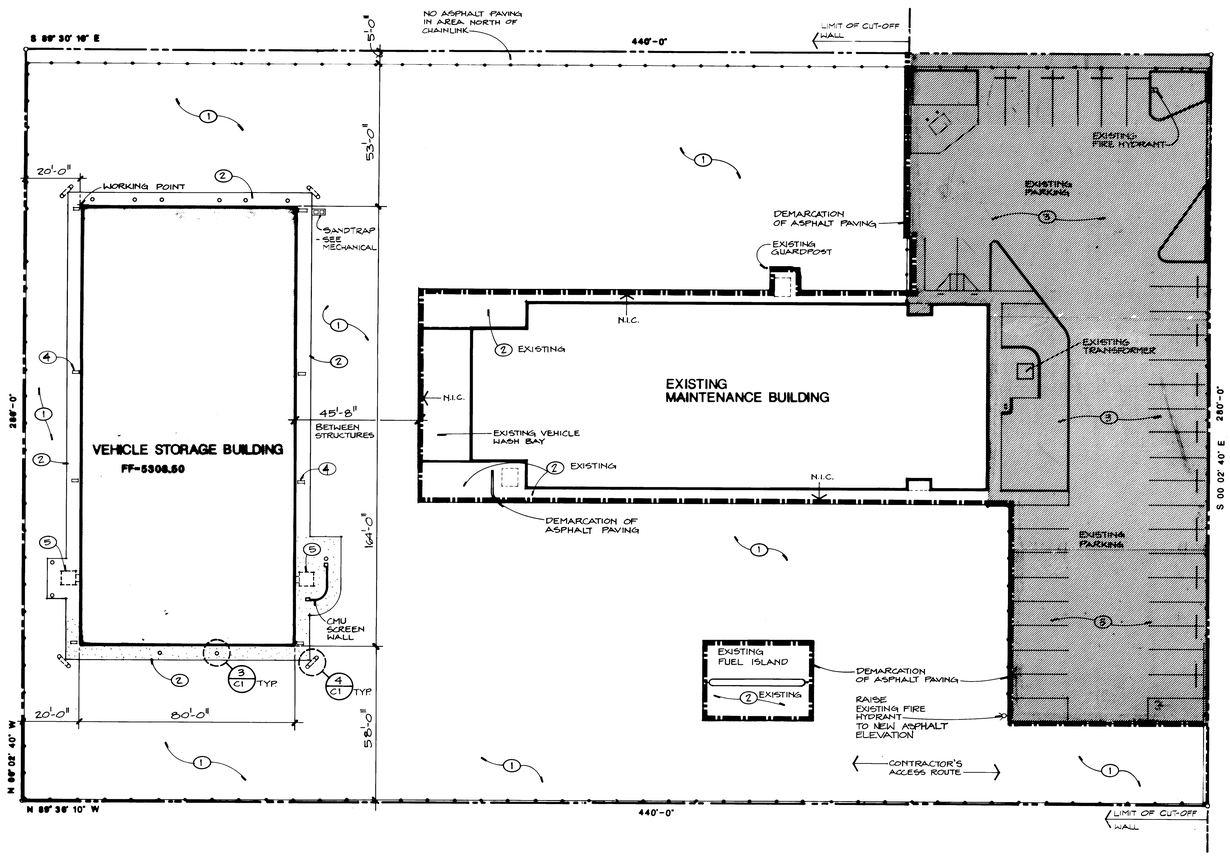
PROJECT NO. 8525-23.01

DATE SEPT. 1988

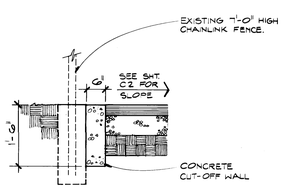
GENERAL INFORMATION

DRAWING NO. G1

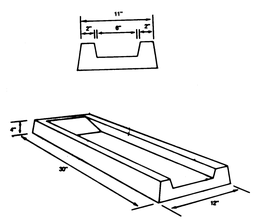
SHEET OF



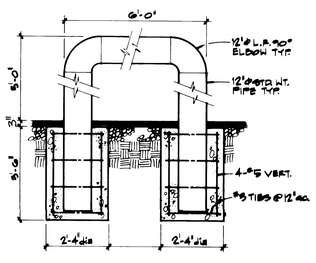
SITE PLAN
SCALE: 1":20'-0"



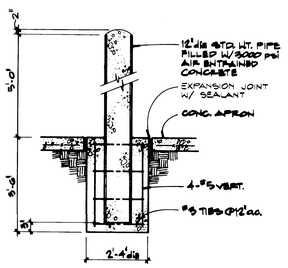
6/C2 CUT-OFF WALL
SCALE: 3/4" = 1'-0"



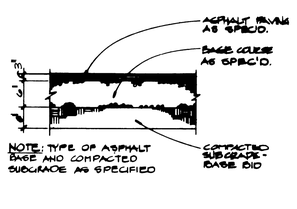
5/C1 **SPLASHBLOCK**
N.T.S.



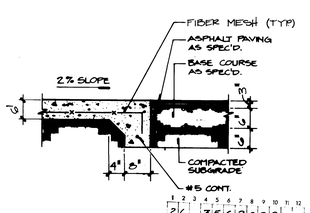
4/C1 **GUARD POST**
SCALE : 1/2" = 1'-0"



3/C1 **GUARD POST**
SCALE : 1/2" = 1'-0"



2/C1 **PAVING SECTION**
SCALE: 3/4"=1'-0"



1/C1 **APRON EDGE**
SCALE: 3/4"=1'-0"

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

BPLW

KEYED NOTES:

1. ASPHALT PAVING AS SPECIFIED - SEE DETAIL 2/C1.
2. CONCRETE APRON - SEE DETAIL 1/C1.
3. SHADED AREA EAST OF THE EXISTING MAINTENANCE BUILDING: SEE SITE UTILITY PLAN, SHEET M1 AND SITE PLAN - ELECTRICAL, SHEET E0.1 FOR EXTENT OF WORK IN THIS AREA. ALL WORK PERFORMED IN THIS AREA SHALL BE IN CONFORMANCE WITH SECTION 01045 "CUTTING AND PATCHING" OF THE SPECIFICATIONS.
4. SPLASH BLOCK - SEE DETAIL 5/C1.
5. AIRWASHER - SEE MECHANICAL SHEET M1.

GENERAL NOTES

1. BUILDING IS LOCATED ACCORDING TO WORKING POINT AT NORTHWEST BUILDING CORNER.
2. BUILDING IS PARALLEL TO EAST AND WEST PROPERTY LINES.
3. CONTRACTOR TO ACCESS AND UTILIZE SITE IN A MANNER THAT IS COOPERATIVE AND LEAST DISRUPTIVE TO THE COURSE OF DAILY WORK AT THE EXISTING MAINTENANCE BUILDING.
4. ALL CHAINLINK FENCE IS EXISTING (N.I.C.) UNLESS OTHERWISE NOTED.

LEGEND

DEMARCATION OF ASPHALT PAVING. SEE DETAIL 1/C1 FOR CONDITION AT APRON EDGE AND 1/C2 FOR CONDITION AT CHAINLINK FENCE.

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 7515
REGISTERED ARCHITECT

ENGINEER | ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3582

PROJECT NO. 8525-23.01

DATE SEPT. 1988

SITE PLAN

DRAWING NO. C1

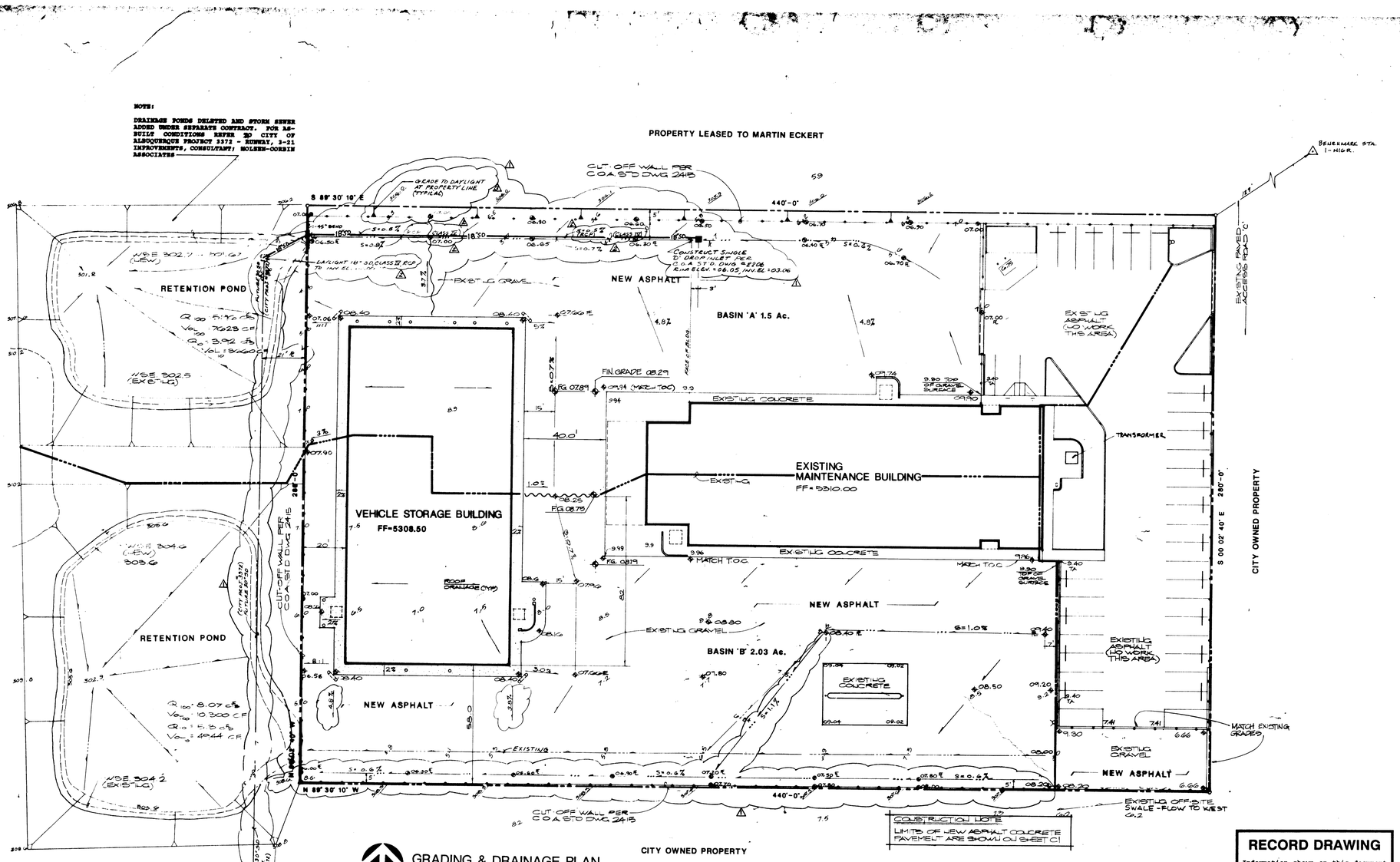
SHEET OF

1 2 3 4 5 6 7 8 9 10 11 12
26 35 62 02 90

	TB
CB	CB
C2	C2

NOTE:

DRAINAGE PONDS DELETED AND STORM SEWER ADDED UNDER SEPARATE CONTRACT. FOR AS-BUILT CONDITIONS REFER TO CITY OF ALBUQUERQUE PROJECT 3372 - RUNWAY, 3-21 IMPROVEMENTS, CONSULTANT; MOLZEN-CORBIN ASSOCIATES



GRADING & DRAINAGE PLAN
SCALE : 1" = 20'-0"

CALCULATIONS

I. **DESIGN CRITERIA**

Metnodology - Rational Formula (discharge rate) and SCS (volume discharge) Development Process Manual: Ch. 22, Vol. II.

Soil Type - "B" - Wink - WaB (per Bernalillo County, SCS Soil Survey, Panel 41).

Q = CIA
VOL. = R X A'
I(100)=P6.84TC^-0.51
TC = 0.0078L^ 0.77/S^0.385
P(100) = 2.35 IN., P(10)=1.54 IN.

C(L.S.) = 0.25
C(PAV.) = 0.95
C(ROOF) = 0.90
C(UNDEV.) = 0.40
C(GRAVEL)= 0.70

II. **EXISTING CONDITIONS**

TC = 10 min., R = 1.05 in., I = 4.97 in./hr.

BASIN 'A'

	AREA	'CC'	Q100	VOL 100
PAV.	.14			
UNDEV.	.39			
GRAVEL	.80			
ROOF	.17			
	1.5 AC	0.69	5.14 CFS	5717 C.F.

BASIN 'B'

	AREA	'CC'	Q100	VOL 100
PAV.	.05			
UNDEV.	.54			
GRAVEL	1.27			
ROOF	.17			
	1.5 AC	0.67	6.76 CFS	7737 C.F.

III. **DEVELOPED CONDITIONS**

TC = 10 min., R = 1.4 in., I = 4.97 in./hr.

BASIN 'A'

	AREA	'CC'	Q100	VOL 100
PAV.	.82			
UNDEV.	.39			
GRAVEL	-0-			
ROOF	0.29			
	1.5 AC	0.80	5.96 CFS	7623 C.F.

BASIN 'B'

	AREA	'CC'	Q100	VOL 100
PAV.	1.15			
UNDEV.	.54			
GRAVEL	-0-			
ROOF	0.34			
	2.03 AC	0.80	8.07 CFS	10,300 C.F.

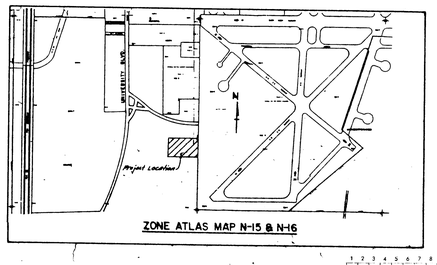
RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89



ZONE ATLAS MAP N-15 & N-16

1 2 3 4 5 6 7 8 9 10 11 12
2G 3562390

REVISION # 3, 2-27-89, RJC
REVISION # 2, 2-15-89, RJC
REVISION # 1, 1-31-89, RJC

BPLW

GENERAL NOTES

1. LEGAL - SEE ARCHITECTURAL SURVEY FOR AIRPORT MAINTENANCE FACILITY, DATED: MARCH, 1986.
2. BENCH MARK - STA. 1-M16, ESTABLISHED BY ACS. STATION IS A STANDARD C.O.A. BRASS CAP SET IN CONCRETE MONUMENT STAMPED, "1-M16" AND PROJECTING 0.1 FT. ABOVE GROUND. EL=5308.79 .
3. THE MAINTENANCE FACILITY IS NOT LOCATED WITHIN A FLOOD HAZARD AREA. SEE FIRM PANEL NUMBER 350002-0041-C, SHEET 41 OF 50.
4. THE DRAINAGE CONTROL MANAGEMENT FOR THE MAINTENANCE FACILITY IS TOTAL RETENTION OF ANTICIPATED DEVELOPED DRAINAGE RUNOFF. THE PROPOSED PONDING AREAS AND BERMS SHALL BE CARED FOR AND MAINTAINED BY THE CITY'S AVIATION DEPARTMENT. THE PONDS AND BERMS SHOWN ON THE PLAN ARE LOCATED IN CITY OWNED PROPERTY,.

   BOB GILL FROM THE CITY AVIATION DEPARTMENT HAS ASSURED FRED AGUIRRE THAT THE AVIATION DEPARTMENT WILL BE EXPANDING IN THE FUTURE WITH ADDITIONAL DEVELOPMENT IN THE AREA. WHEN THIS OCCURS A STORM DRAINAGE SYSTEM WILL BE ENGINEERED AND DEVELOPED. THE DEVELOPMENT OF THIS SYSTEM WILL ALSO INCLUDE FINANCIAL PARTICIPATION BY THE CITY AVIATION DEPARTMENT FOR A PORTION OF THE DOWNSTREAM INFRASTRUCTURE COSTS.

   WHEN THE DEVELOPMENT OF THE STORM SEWER SYSTEM OCCURS, THE EXISTING RETENTION PONDING AREAS WILL BE REMOVED IF FUTURE OUTFALL SYSTEM ALLOWS FREE DISCHARGE, OTHERWISE DETENTION PONDS WILL BE REQUIRED.

   THE MAINTENANCE FACILITY'S DEVELOPED DRAINAGE RUNOFF WILL NOT FLOOD OR DAMAGE ANY EXISTING PROPERTY OWNERS IF THE GRADING PARAMETERS ARE MET. ALSO NO UPLAND DRAINAGE FLOWS WILL CROSS OUR PROPOSED SITE, THEREFORE NOT TAXING THE PONDING AREAS.

5. REMOVE AND REPLACE EXIST. FENCE AS NECESSARY ALONG WEST AND NORTH PROPERTY LINES

FGE=D

9.2 or 10.6	EXIST SPOT ELEVATION
08.40	NEW SPOT ELEVATION
	EXISTING BACK SLOPE
	EXISTING SWALE
	NEW SWALE
	DRAINAGE DIRECTION
	DRAINAGE BASIN
	PROPERTY LINE
	CHAIN LINK FENCE (EXISTING)
	WATER BLOCK
W.S.E.	WATER SURFACE ELEVATION
	GRADE BREAK
T.O.C.	TOP OF CONCRETE
F.E.	FLOW LINE
T.A.	TOP OF ASPHALT

VINCENT A. MEDINA, NEW MEXICO, 8408, REGISTERED PROFESSIONAL ENGINEER, 12/22/89 12/31/89
ENGINEER

STATE OF NEW MEXICO, RONALD L. PETERS, NO. 788, REGISTERED ARCHITECT
ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

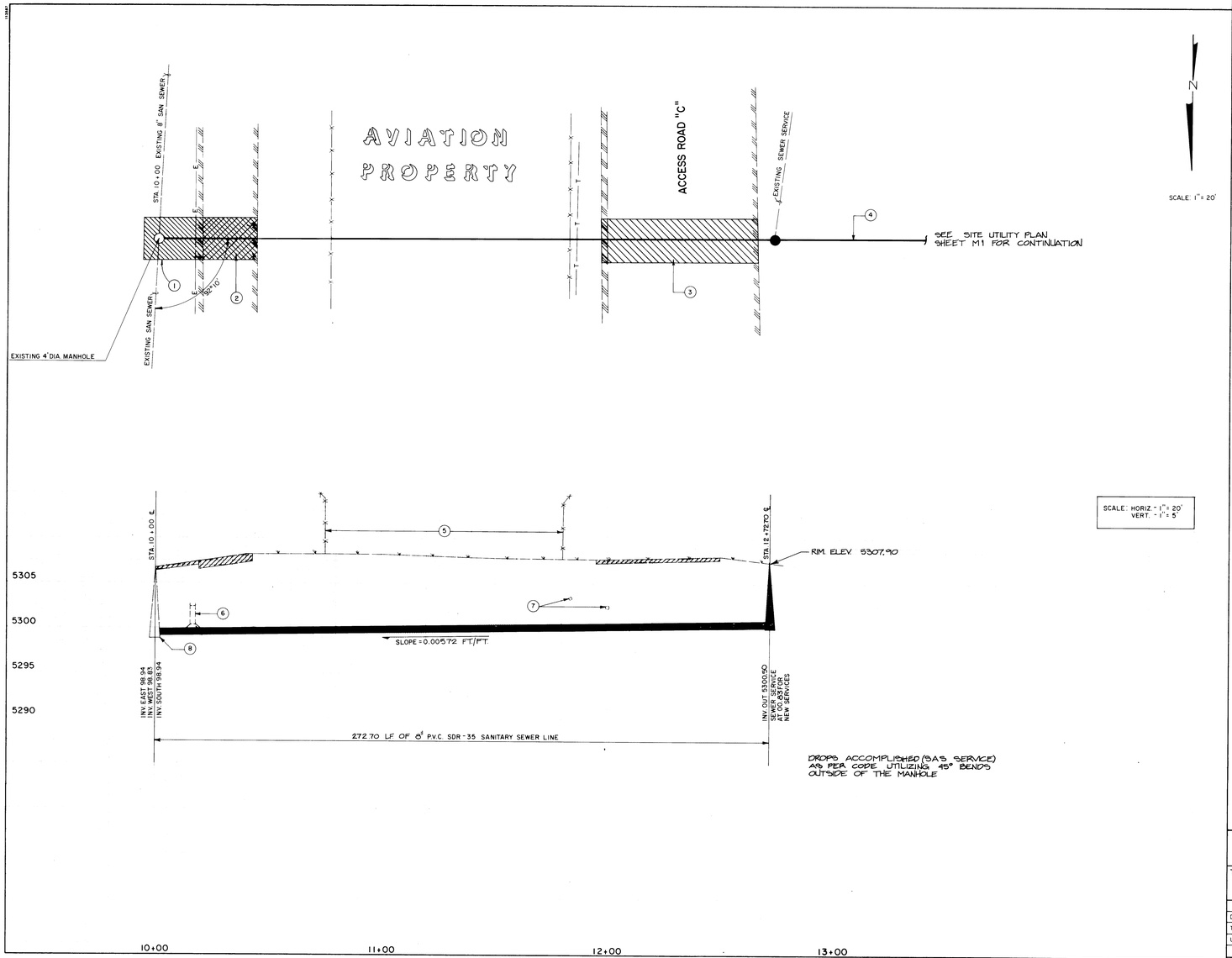
PROJECT NO. 8525-23.01

DATE SEPT. 1988

GRADING & DRAINAGE

DRAWING NO. C2

SHEET OF



CONSTRUCTION NOTES

1. REMOVE AND REPLACE WITH 3" ASPHALT SURFACE AND 12" SUBGRADE.
2. REMOVE AND REPLACE WITH 8" ASPHALT SURFACE COURSE AND 12" SUBGRADE.
3. REMOVE AND REPLACE WITH 6" AGGREGATE BASE COURSE AND 3" ASPHALT SURFACE COURSE.
4. INTERCEPT EXISTING SEWER SERVICE AND SET DROP SERVICE IN MANHOLE
5. SECURITY FENCES TO BE MAINTAINED DURING CONSTRUCTION AT ALL TIMES.
6. UNDERGROUND ELECTRICAL DUCT - PROTECT AND SUPPORT AS REQUIRED TO SET 8" SANITARY SEWER. VERIFY LOCATION.
7. PROTECT & SUPPORT TELEPHONE AND POWER LINES AS REQUIRED TO SET 8" SANITARY SEWER MAIN. VERIFY LOCATION.
8. CONTRACTOR TO RECONSTRUCT MANHOLE INVERT AT STA. 10 + 00 FOR NEW LATERAL SOUTH. SEE CITY STD. DWG. 2102 SECTION C-C

AS BUILT INFORMATION

CONSTRUCTION

WORK TRAFFIC PLANS — DATE
FIELD CHANGES BY — DATE
APPROVED BY — DATE
CONSTRUCTION BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

1N16 - 5308.73
TBM "□" PAINTED TOP HEADER CURB INSIDE BUILDING 360' 5308.73

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY A. HOULE — DATE 5/89
DRAWN BY A. HOULE — DATE 5/89
CHECKED BY A. HOULE — DATE 5/89

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SANITARY SEWER EXTENSION FOR VEHICLE STORAGE BUILDING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev.					
Utility Dev.					

DRAWING NO. 3562 | MAP NO. N-16 | SHEET 1 OF 1

1 2 3 4 5 6 7 8 9 10 11 12
26 3562049 0

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

BPLW
Architects & Engineers, Inc
American Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881-BPLW

Designing to Shape the Future

ENGINEER

STATE OF NEW MEXICO — RONALD L. PETERS NO. 788 — REGISTERED ARCHITECT

ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJECT NO. 3562

PROJECT NO. 8525-23.01

DATE SEPT. 1988

SEWER LINE EXTENSION

DRAWING NO. C3

SHEET OF

STRUCTURAL NOTES

FOUNDATION NOTES

ALL NATIVE SOIL BELOW GRADE BEAMS AND SPOT FOOTINGS SHALL BE SCARIFIED TO A DEPTH OF 12 INCHES BELOW FOOTING BEARING ELEVATION AND RECOMPACTED TO THE DENSITIES LISTED BELOW.

ALL NATIVE SOIL BELOW SLABS ON GRADE SHALL BE SCARIFIED TO A DEPTH OF 6" BELOW BOTTOM OF SLAB AND RECOMPACTED TO THE DENSITIES LISTED BELOW.

ALL IMPORTED ENGINEERED FILL REQUIRED BELOW GRADE BEAMS, SPOT FOOTINGS AND SLABS SHALL BE COMPACTED TO THE DENSITIES LISTED BELOW IN LIFTS NOT TO EXCEED 8" IN DEPTH.

ALL SOILS BELOW FOUNDATIONS AND SLABS ON GRADE SHALL BE COMPACTED TO THE FOLLOWING DENSITIES.

1. COHESIVE SOILS 95% MAXIMUM DENSITY (ASTM D1557)
2. NON-COHESIVE SOILS 97% RELATIVE DENSITY (ASTM D2049)

CONCRETE & REINFORCING

ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60. ALL TIES SHALL BE ASTM A615, GRADE 40.

ALL CONCRETE AND REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301) AND THE ACI STANDARD DETAILING MANUAL (ACI 315-80).

PROVIDE BAR SUPPORTS AND SPACERS FOR REBAR IN ACCORDANCE WITH ACI 315-74 AND CHAIRS WITH 22 GA. SAND PLATES FOR ALL REBAR BEARING ON GRADE.

WHERE LAPPED SPLICES IN REINFORCING OCCUR, THE MINIMUM LAP SHALL BE MADE AS FOLLOWS: HORIZONTAL AND VERTICAL REINFORCING #9 BAR DIAMETERS OR 2'-0" MINIMUM UNLESS OTHERWISE NOTED.

ALL HORIZONTAL REINFORCING IN CONTINUOUS FOOTINGS AND WALLS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP A MINIMUM OF #40 BAR DIAMETERS OF 2'-0" MINIMUM. FOR ALL CONCRETE BEAMS INSTALL ONE #5 CORNER REBAR FOR EACH HORIZONTAL REBAR IN THE BEAM.

VERTICAL BULKHEADS IN FOOTINGS, STEM WALLS AND BOND BEAMS ARE PERMITTED AT POINTS NO CLOSER THAN 10'-0" FROM ANY CORNER OR INTERSECTION. HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH BULKHEADS. NO SPLICES SHALL BE MADE WITHIN 5'-0" OF ANY BULKHEAD.

SLABS AND BEAMS - ANY STOP IN CONCRETE WORK SHALL BE MADE IN THE CENTER OF THE SPAN, WITH VERTICAL BULKHEADS AND A CONTINUOUS HORIZONTAL KEY.

CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:

FOOTINGS - 3" FROM BOTTOM AND SIDES.
PEDESTALS - 1 1/2" FROM TIES.
SLABS ON GRADE - WELDED WIRE FABRIC TO BE PLACED IN UPPER 1/3 OF SLAB.

COMPOSITE SLAB - 1 1/2" FROM TOP ABOVE SLAB SUPPORT. 1 1/2" FROM BOTTOM BETWEEN SLAB SUPPORT.

THE CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT ALL REBAR IS PROPERLY ALIGNED AND TIED IN PLACE BEFORE PLACING CONCRETE. ALL COLUMN, WALL DOWELS AND VERTICAL STEEL SHALL BE ACCURATELY LOCATED AND SECURED IN PLACE SO THAT IT REMAINS IN THIS POSITION DURING THE PLACING OPERATION.

ANY REBAR FOUND TO BE IMPROPERLY INSTALLED SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

SHOP DRAWINGS SHALL BE FURNISHED FOR APPROVAL BEFORE ANY FABRICATION AND ERECTION IS STARTED. POORLY EXECUTED SHOP DRAWINGS SHALL BE REJECTED AND RESUBMITTED.

STRUCTURAL DESIGN NOTES

REFERENCES:

Uniform Building Code, 1985 Edition
ACI 318-83
AISC manual of steel construction, 8th Edition

LIVE LOADS

Roof	20 PSF
Floor	Slab On Grade
Storage Mezzanine	250 PSF
Seismic	UBC Zone 2

WIND DESIGN CALCULATIONS:

Basic Wind Speed	75 MPH
Exposure	C

Method, Prefab Metal Building

Normal Force (Method 1)

Ce	1.3
Cq	0.8 Windward Wall (inward)
	0.5 Leeward Wall (outward)
	0.7 Leeward Roof (outward)
	0.7 Windward Roof (inward)
	* To be applied simultaneously
qs	15 PSF
I	1.0

Design pressure (windward wall)

P = 0.8 (1.3) (15) (1.0) = 15.6 PSF

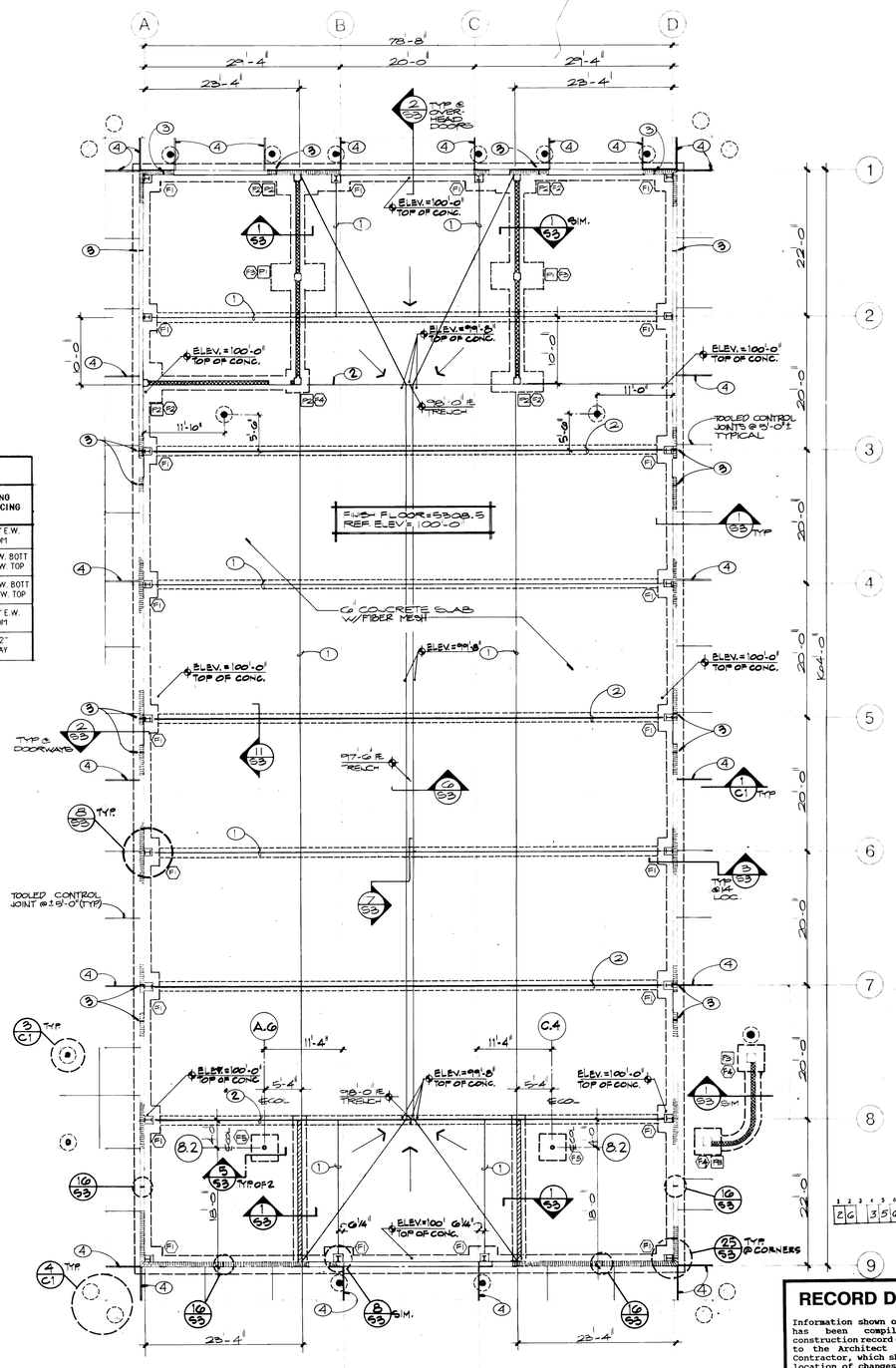
FOOTING SCHEDULE

MARK ⬡	PEDESTAL SIZE	PEDESTAL REINFORCING VERTICAL	PEDESTAL REINFORCING TIES	FOOTING SIZE D x W x t	FOOTING REINFORCING
F1	1'-2"x1'-2"	(4)-#6	#3 @ 8"	4'-0" x 4'-0" x 1'-0"	#5 @ 12" E.W. BOTTOM
F2	N/A	——	——	6'-0" x 4'-0" x 1'-0"	#6 @ 12" E.W. BOTT #4 @ 12" E.W. TOP
F3	N/A	——	——	8'-0" x 4'-0" x 1'-0"	#6 @ 12" E.W. BOTT #4 @ 12" E.W. TOP
F4	N/A	——	——	4'-0" x 4'-0" x 1'-0"	#5 @ 12" E.W. BOTTOM
F5	N/A			4'-0" x 4'-0" x 1'-0"	#5 @ 12" EACH WAY

PILASTER SCHEDULE

MARK □	SIZE	FOOTING DOWELS	VERTICAL	TIES
P1	16"x16"	(6) #8 50" x 12"	(6) #8	#3 @ 16" o.c.
P2	16"x16"	(4) #8 50" x 12"	(4) #8	#3 @ 16" o.c.
P3	16"x16"	(4) #6 40" x 12"	(4) #6	#3 @ 12" o.c.

NOTE: THESE PILASTERS REQUIRE SPECIAL INSPECTION AS DEFINED IN UBC-85 SECTION 306.(8).6.-STRUCTURAL MASONRY



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

KEYED NOTES

1. SAWED CONTROL/CONTRACTION JOINT, SEE DETAIL. 13/S3
2. KEYED CONSTRUCTION JOINT, SEE DETAIL. 14/S3
3. MASONRY CONTROL JOINT SEE DETAIL 16/S3
4. EXPANSION JOINT

LEGEND

8" CMU WALL W/#5 @ 32" O.C. VERT - #4 @ 48" O.C. HORIZ - TOP OF WALL - 2 COURSE BOND BEAM W/(2) - #5 CONT.

8" CMU WALL W/#5 @ 32" O.C. VERT - #4 @ 48" O.C. HORIZ - TOP OF WALL - 2 COURSE BOND BEAM W/(2) - #5 CONT.

8" CMU WALL W/#5 @ 48" O.C. VERT - 2 #5 @ 32" O.C. HORIZ - TOP OF WALL - 2 COURSE BOND BEAM W/(2) - #5 CONT.
NOTE: THIS WALL REQUIRES SPECIAL INSPECTION AS DEFINED IN UBC-85-SECTION 306.(8).6.-STRUCTURAL MASONRY.

REVISION A2 NOVEMBER 4, 1988

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____
BPLW ARCHITECTS & ENGINEERS, INC.
Date: 12/22/89

BPLW
Architects & Engineers, Inc
American Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881-BPLW

Designing to Shape the Future

VINCENT A. MEYER — NEW MEXICO — 8408 — REGISTERED PROFESSIONAL ENGINEER — ENGINEER

STATE OF NEW MEXICO — RONALD L. PETERS NO. 789 — REGISTERED ARCHITECT — ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3562

PROJECT NO. 8525-23.01
DATE SEPT. 1988

FOUNDATION PLAN

DRAWING NO **S1**
SHEET OF

TB
RF RF
RFB RFB

STRUCTURAL STEEL

ALL STRUCTURAL AND MISCELLANEOUS STEEL MEMBERS, SHAPES AND CONNECTIONS SHALL BE ASTM A-36, HAVING A MINIMUM YIELD OF STRENGTH OF 36,000 PSI.

ALL STRUCTURAL STEEL PIPE SHALL BE EITHER ASTM A-53, GRADE B OR HAVING A MINIMUM YIELD STRENGTH OF 36,000 PSI.

ALL HEADED ANCHOR STUDS SHALL BE ASTM A108 GRADE 1020.

ALL ANCHOR BOLTS SHALL BE ASTM A-307 UNLESS OTHERWISE NOTED.

ALL CONNECTION BOLTS SHALL BE ASTM A-325.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE ARCHITECTURAL DRAWINGS FOR ALL MISCELLANEOUS STEEL.

ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE AWS AND AISC.

MASONRY

ALL HOLLOW MASONRY OR BRICK TO BE REINFORCED SHALL BE MARKED WITH KEEL AT THE BOTTOM OF THE WALL AT THE CELLS WHERE DOWELS OCCUR OR REBAR IS TO BE PLACED AND GROUTED.

CELLS OF MASONRY WALLS CONTAINING REBAR SHALL BE GROUTED SOLID FROM THE BOTTOM TO THE TOP OF THE WALL. CLEAN OUTS SHALL BE PROVIDED AT THE BOTTOM OF WALLS AT ALL CELLS TO BE GROUTED.

MASONRY REINFORCING: VERTICAL AND HORIZONTAL REINFORCING SHALL BE PLACED AS SHOWN ON THE DRAWINGS. WHERE NOT SHOWN USE #5 @ 32" O.C. VERTICALLY. ALL REBAR SHALL BE LAPPED 40 DIAMETERS OR 2'-0" MINIMUM. SPLICES IN HORIZONTAL REINFORCING SHALL BE STAGGERED SO THAT NO MORE THAN ONE SPLICE OCCURS IN ANY 10'-0" LENGTH OF WALL EXCEPT AT CORNERS.

UNLESS OTHERWISE NOTED, EXTEND VERTICAL REINFORCING IN MASONRY WALLS THROUGH KNOCK OUT BOND BLOCK COURSES. REINFORCING IN KNOCK OUT BOND BEAM COURSES SHALL BE: 12" BLOCK, 2-#5, 8" BLOCK, 2-#5 AND 6" BLOCK, 2-#4 UNLESS OTHERWISE NOTED. FOR ALL BOND BEAMS, INSTALL ONE CORNER BAR FOR EACH HORIZONTAL REBAR IN THE BEAM.

UNLESS OTHERWISE NOTED OR DETAILED, VERTICAL REINFORCING IN ALL MASONRY WALLS SHALL BE AS FOLLOWS:

A. ONE VERTICAL IN EACH OF THE THREE CELLS AT ALL CORNERS.
B. ONE VERTICAL IN EACH OF TWO CELLS AT THE END OF ALL DISCONTINUOUS WALL RUNS.
C. ONE VERTICAL IN EACH OF THE TWO CELLS EACH SIDE OF ALL CONTROL JOINTS.
D. ONE VERTICAL IN EACH OF THE FOUR CELLS AT THE INTERSECTION OF TWO WALLS.
E. ONE VERTICAL IN EACH CELL AT EACH SIDE OF ALL MASONRY WALL OPENINGS.
F. AT BEARING POINTS OF FLOOR OR ROOF BEAMS - ONE VERTICAL IN EACH OF THREE CELLS CENTERED ON THE BEAM.

ALL MASONRY WORK SHALL HAVE A MINIMUM OF 1/2" CLEARANCE TO STEEL CONSTRUCTION.

MASONRY CELLS TO BE FILLED WITH CONCRETE AT VERTICAL REINFORCING SHALL BE FILLED PRIOR TO PLACING VERMICULITE OR LOOSE INSULATION.

UNLESS OTHERWISE SHOWN, PROVIDE MASONRY CONTROL JOINTS ON EXTERIOR WALLS AT THE FOLLOWING LOCATIONS: 12'-0" FROM ALL CORNERS AND 32'-0" IN ALL STRAIGHT WALL RUNS.

WHERE EARTH FILL IS REQUIRED ON ONE OR BOTH SIDES OF MASONRY WALLS, THE WALL SHALL BE GROUTED SOLID WITH CONCRETE TO THE HEIGHT OF THE EARTH FILL OR AS SPECIFIED OTHERWISE.

MISCELLANEOUS

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.

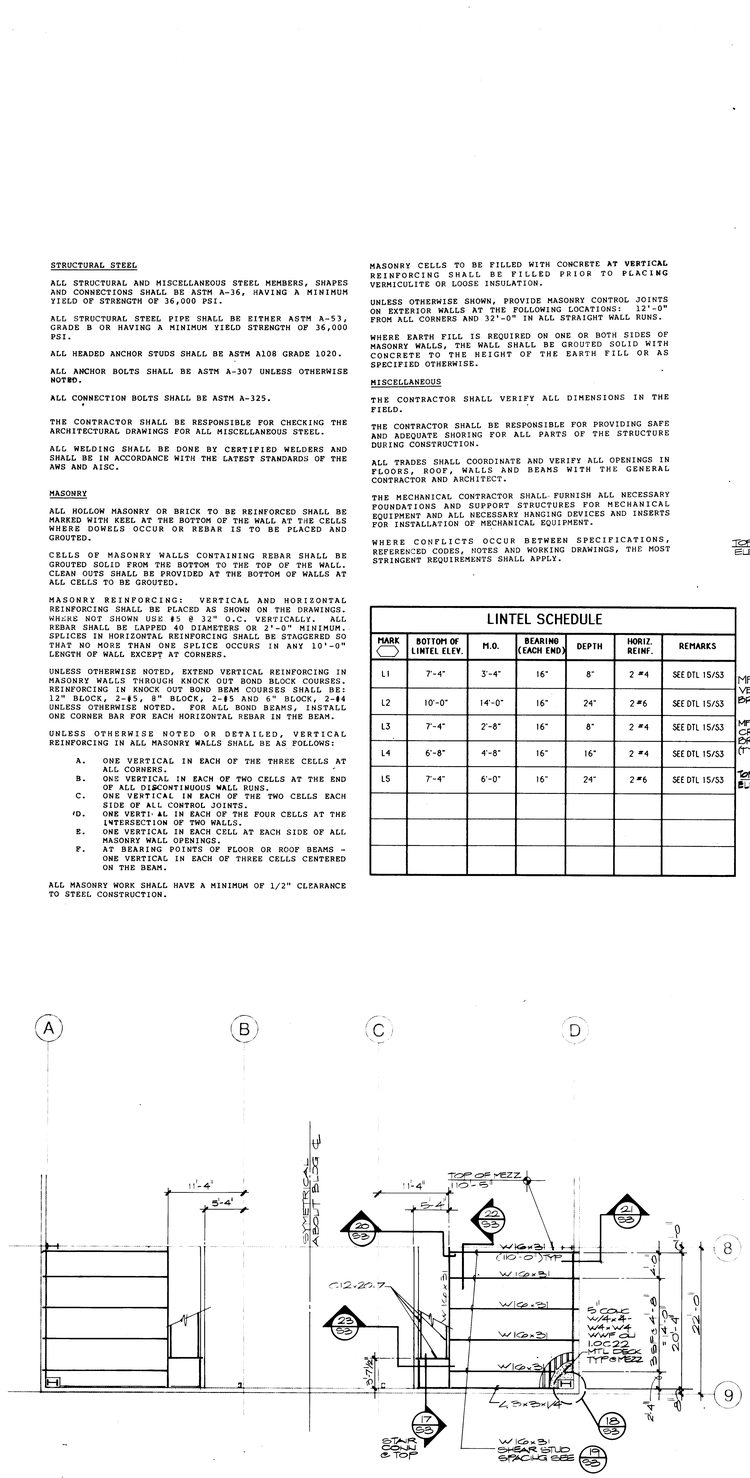
ALL TRADES SHALL COORDINATE AND VERIFY ALL OPENINGS IN FLOORS, ROOF, WALLS AND BEAMS WITH THE GENERAL CONTRACTOR AND ARCHITECT.

THE MECHANICAL CONTRACTOR SHALL FURNISH ALL NECESSARY FOUNDATIONS AND SUPPORT STRUCTURES FOR MECHANICAL EQUIPMENT AND ALL NECESSARY HANGING DEVICES AND INSERTS FOR INSTALLATION OF MECHANICAL EQUIPMENT.

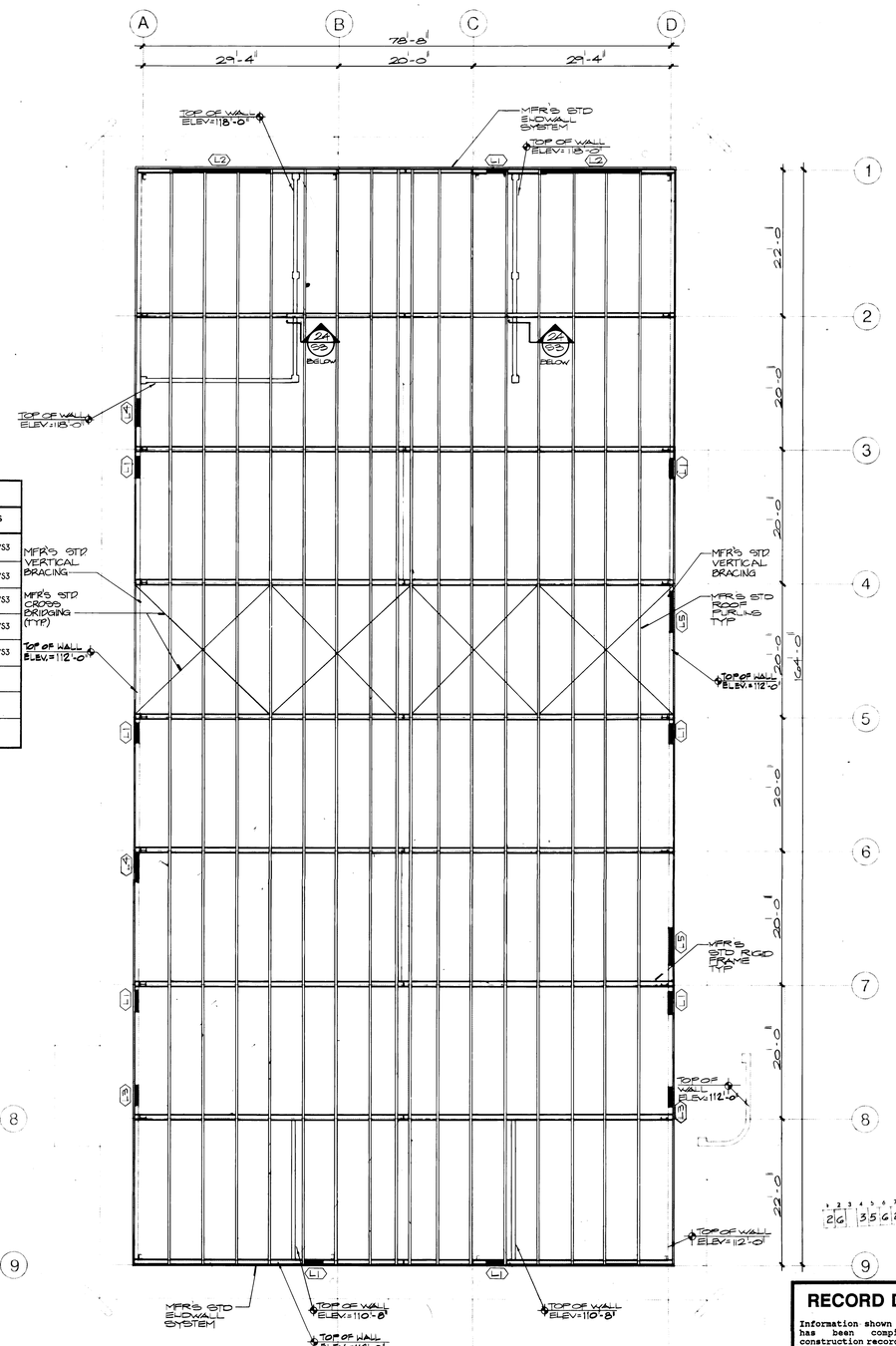
WHERE CONFLICTS OCCUR BETWEEN SPECIFICATIONS, REFERENCED CODES, NOTES AND WORKING DRAWINGS, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.

LINTEL SCHEDULE

MARK	BOTTOM OF LINTEL ELEV.	M.O.	BEARING (EACH END)	DEPTH	HORIZ. REINF.	REMARKS
L1	7'-4"	3'-4"	16"	8"	2 #4	SEE DTL 15/S3
L2	10'-0"	14'-0"	16"	24"	2 #6	SEE DTL 15/S3
L3	7'-4"	2'-8"	16"	8"	2 #4	SEE DTL 15/S3
L4	6'-8"	4'-8"	16"	16"	2 #4	SEE DTL 15/S3
L5	7'-4"	6'-0"	16"	24"	2 #6	SEE DTL 15/S3



MEZZANINE FRAMING PLAN
SCALE: 1/8"=1'-0"



ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

BPLW
Architects & Engineers, Inc
American Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881-BPLW

Designing to Shape the Future

VINCENT A. MEYER — NEW MEXICO — 8408 — REGISTERED PROFESSIONAL ENGINEER — ENGINEER

STATE OF NEW MEXICO — RONALD L. PETERS NO. 782 — REGISTERED ARCHITECT — ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3562

PROJECT NO. 8525-23.01

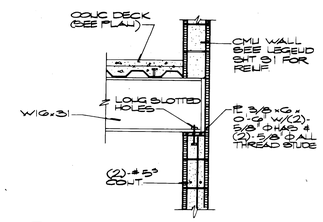
DATE SEPT. 1988

FRAMING PLANS

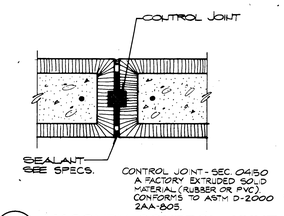
DRAWING NO. **S2**

SHEET OF

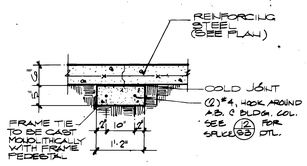
	TB
SD	SD



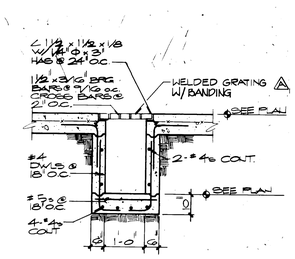
21/S2 **BEAM BRG**
SCALE: 3/4"=1'-0"



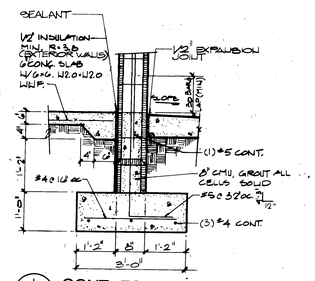
12/S1 **MASONRY CONTROL JOINT**
NO SCALE



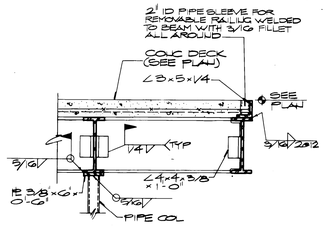
11/S1 **RIGID FRAME TIE**
SCALE: 3/4"=1'-0"



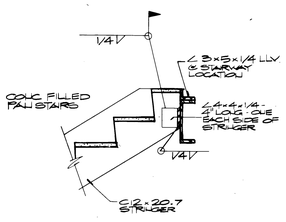
6/S1 **TRENCH SECTION**
SCALE: 3/4"=1'-0"



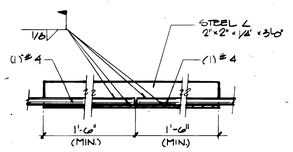
1/S1 **CONT. FOOTING**
SCALE: 3/4"=1'-0"



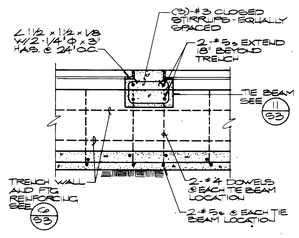
22/S2 **BEAM TO BEAM CONN**
SCALE: 3/4"=1'-0"



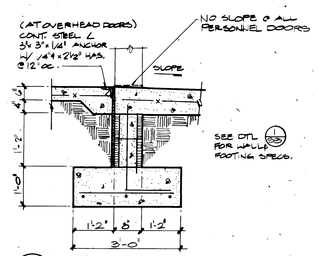
17/S2 **TOP OF STAIR**
SCALE: 1"=1'-0"



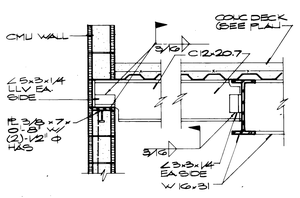
12/S3 **TENSION TIE**
SCALE: 3/4"=1'-0"



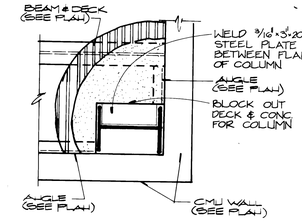
7/S1 **TRENCH SECTION**
SCALE: 3/4"=1'-0"



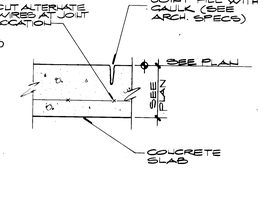
2/S1 **SLAB @ OPENINGS**
SCALE: 3/4"=1'-0"



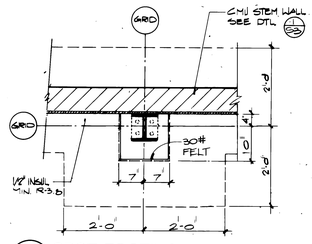
23/S2 **BEAM BRG**
SCALE: 3/4"=1'-0"



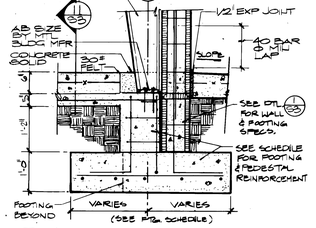
18/S2 **POST BLOCKING**
NO SCALE



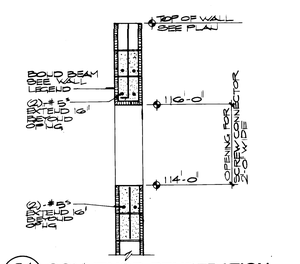
13/S1 **CONTROL JOINT DTL.**
NO SCALE



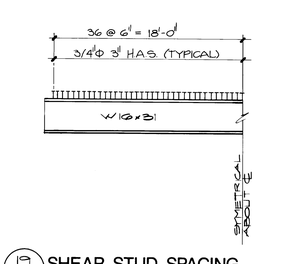
8/S1 **SPOT FOOTING**
SCALE: 3/4"=1'-0"



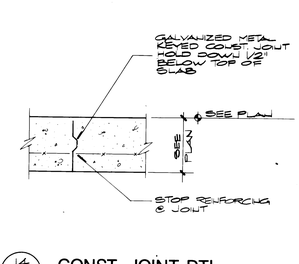
3/S1 **SPOT FOOTING**
SCALE: 3/4"=1'-0"



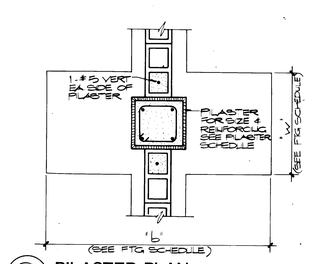
24/S2 **CONVEYOR PENETRATION**
SCALE: 3/4"=1'-0"



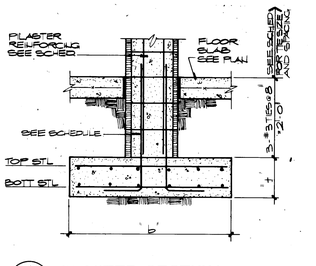
19/S2 **SHEAR STUD SPACING**
NO SCALE



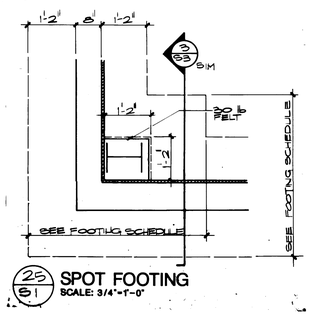
14/S1 **CONST. JOINT DTL.**
NO SCALE



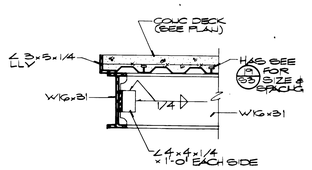
9/S1 **PILASTER PLAN**
NO SCALE



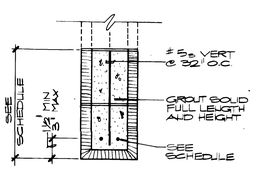
4/S1 **PILASTER SECTION**
NO SCALE



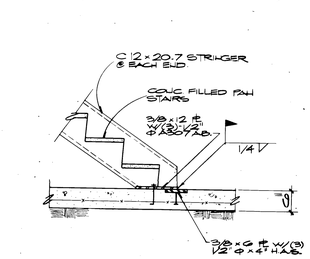
25/S1 **SPOT FOOTING**
SCALE: 3/4"=1'-0"



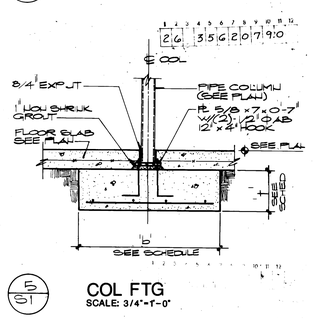
20/S2 **BEAM TO BEAM CONN**
SCALE: 3/4"=1'-0"



15/S2 **LINTEL DETAIL**
SCALE: 1 1/2"=1'-0"



10/S1 **STAIR @ BOTTOM**
SCALE: 3/4"=1'-0"



5/S1 **COL FTG**
SCALE: 3/4"=1'-0"

BPLW
Architects & Engineers, Inc
American Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881-BPLW
Designing to Shape the Future

RECORD DRAWING
Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.
By: _____
BPLW ARCHITECTS & ENGINEERS, INC.
Date: 12/22/89

REVISION ⚠, NOVEMBER 4, 1988

VINCENT A. MEYER — NEW MEXICO — 8408 — REGISTERED PROFESSIONAL ENGINEER — ENGINEER

STATE OF NEW MEXICO — RONALD L. PETERS NO. 788 — REGISTERED ARCHITECT — ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO
CITY PROJ. NO. 3562

PROJECT NO. 8525-23.01
DATE SEPT. 1988

STRUCTURAL DETAILS

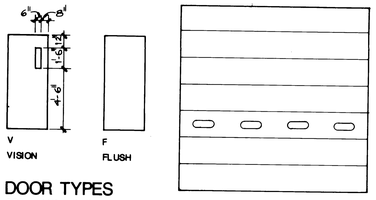
DRAWING NO **S3**
SHEET OF

DOOR SCHEDULE

DR. NO.	DOOR SIZE W	DOOR SIZE H	DOOR SIZE T	DOOR MATL	DOOR TYPE	DOOR HW	DOOR RTG	DOOR GLASS	FRAME MATL	FRAME TYPE	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	REMARKS
01	14'-0"	10'-0"	1 3/4"	STEEL	O	3					20	13		HIGH LIFT TRACK
02	3'-0"	7'-0"	1 3/4"	HM	V	1		1/4" LAM.	HM	A	8	15,15		
03	20'-0"	16'-0"	1 3/4"	STEEL	O	3					7	5,14		STANDARD LIFT TRACK
04	14'-0"	10'-0"	1 3/4"	STEEL	O	3					20	13		HIGH LIFT TRACK
05	4'-0"	7'-0"	1 3/4"	HM	F	2			HM	A	8	15,15		
06	3'-0"	7'-0"	1 3/4"	HM	F	1			HM	A	8	15,15		
07	3'-0"	7'-0"	1 3/4"	HM	F	1			HM	A	8	15,15		
08	3'-0"	7'-0"	1 3/4"	HM	F	1			HM	A	8	15,15		
09	3'-0"	7'-0"	1 3/4"	HM	F	1			HM	A	8	15,15		
10	3'-0"	7'-0"	1 3/4"	HM	F	1			HM	A	8	15,15		
11	3'-0"	7'-0"	1 3/4"	HM	F	1			HM	A	8	15,15		
12	3'-0"	7'-0"	1 3/4"	HM	V	1		1/4" LAM.	HM	A	8	15,15		
13	20'-0"	16'-0"	1 3/4"	STEEL	O	3					7	5,14		STANDARD LIFT TRACK
14	3'-0"	7'-0"	1 3/4"	HM	V	1		1/4" LAM.	HM	A	8	15,15		
15	3'-0"	7'-0"	–	WMP	–	4		–	WMP	–	–	–	–	

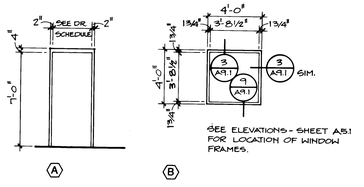
ROOM FINISH SCHEDULE

FLOOR / BASE	WALLS	CEILING
1 SEALED CONCRETE/ 4" VINYL BASE	A PAINTED CMU UP TO 10'-8" METAL LINER PANEL FROM 10'-8" TO CEILING	1 EXPOSED STRUCTURE PAINTED
2 SEALED CONCRETE/ 3/16"-22GA METAL BASE MOULDING	B METAL LINER PANEL	



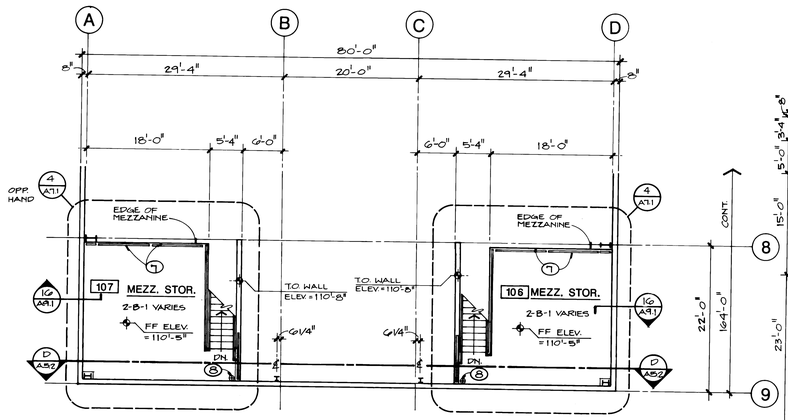
DOOR TYPES

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



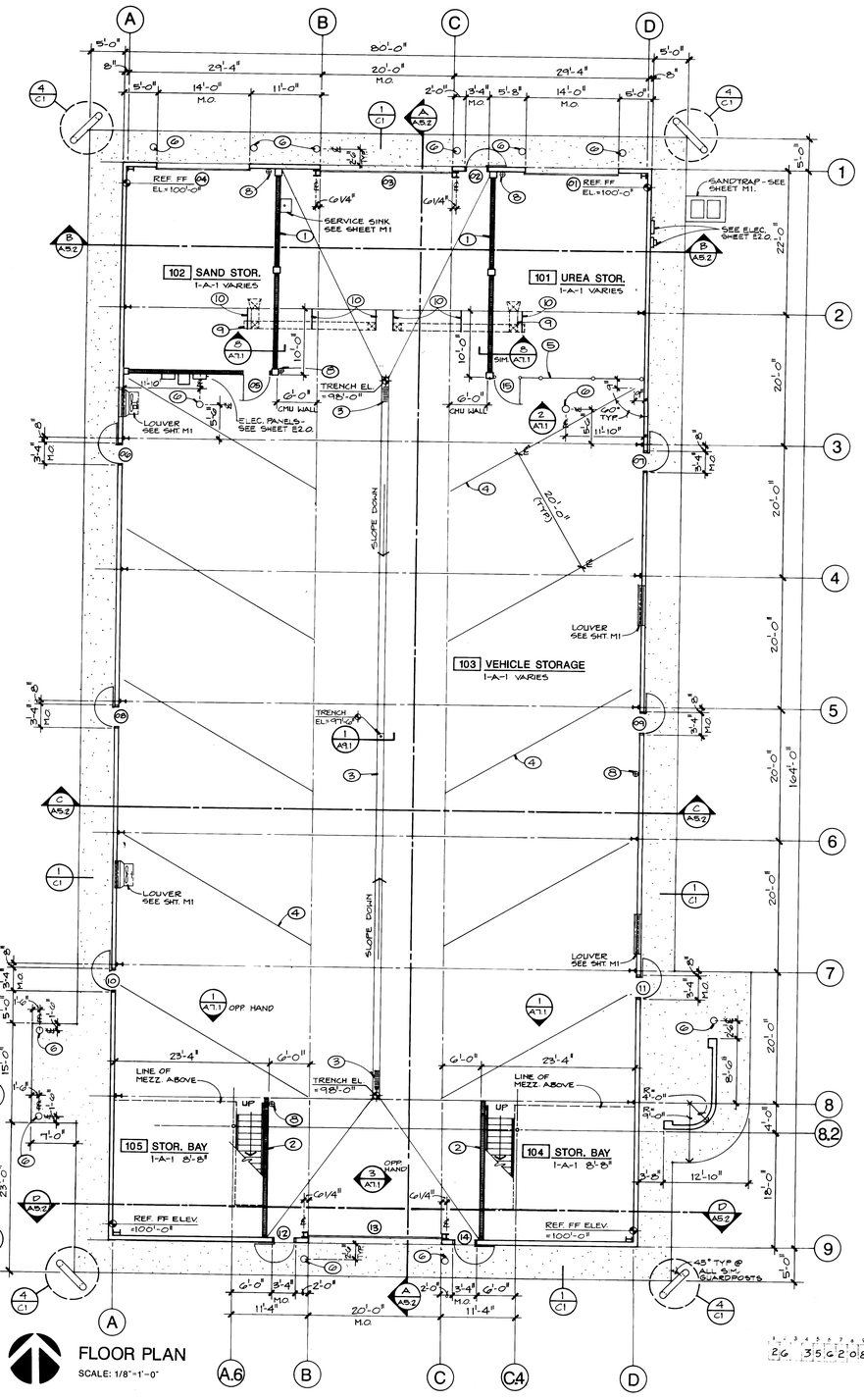
FRAME TYPES

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



MEZZANINE FLOOR PLAN

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



FLOOR PLAN

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

BPLW

Architects & Engineers

Albuquerque, New Mexico

Designing to shape the future

KEYED NOTES:

1. FULL HEIGHT CMU WALL TO UNDERSIDE OF STRUCTURE - SEE DETAIL 17/A9.1.
2. CMU WALL - SEE STRUCTURAL.
3. TRENCH DRAIN - SEE STRUCTURAL.
4. PAINTED STRIPING: YELLOW TRAFFIC MARKING PAINT, 6" WIDE.
5. WIRE MESH PARTITION - SEE ELEVATION 2/A7.1.
6. GUARD POST - SEE C1.
7. REMOVABLE GUARDRAILS.
8. FIRE EXTINGUISHER.
9. BUCKET ELEVATOR AND SCREW CONVEYOR AS PER SPECIFICATION.
10. CONVEYOR SUSPENSION SYSTEM - SEE 4/A9.1

GENERAL NOTES:

1. SEE ELEVATIONS - SHEET A5.1 FOR WINDOW LOCATIONS.
2. PAINT COLORS SHALL MATCH THOSE USED AT THE EXISTING MAINTENANCE FACILITY. SEE SPECIFICATIONS

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

WALL LEGEND

- CMU WALL - SEE STRUCTURAL
- RIBBED CMU
- WIRE MESH PARTITION - WMP

ENGINEER:

STATE OF NEW MEXICO RONALD L. PETERS NO. 7569 REGISTERED ARCHITECT

ARCHITECT

VEHICLE STORAGE BUILDING

ALBUQUERQUE INTERNATIONAL AIRPORT

ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3582

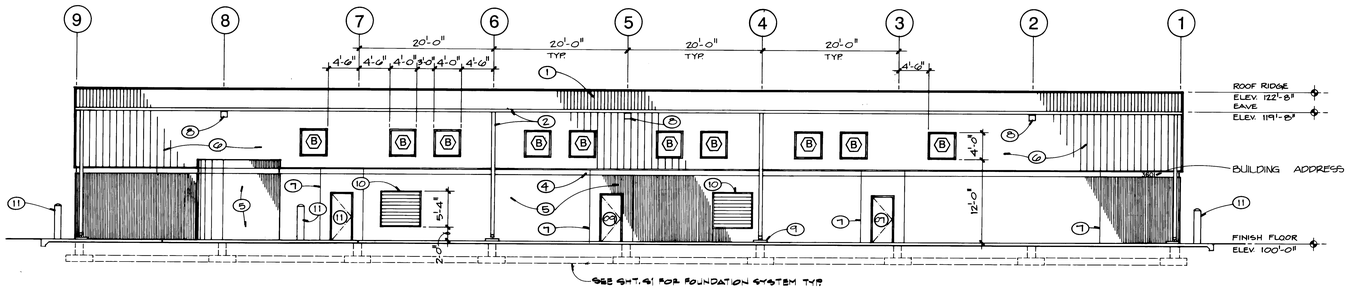
PROJECT NO. 8525-23.01

DATE SEPT. 1988

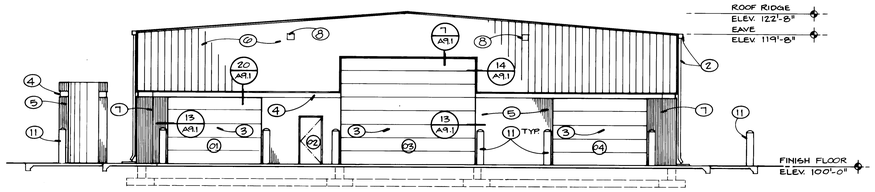
FLOOR PLAN & SCHEDULES

DRAWING NO. A1.1

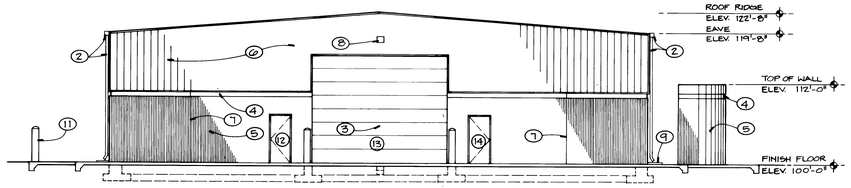
SHEET OF



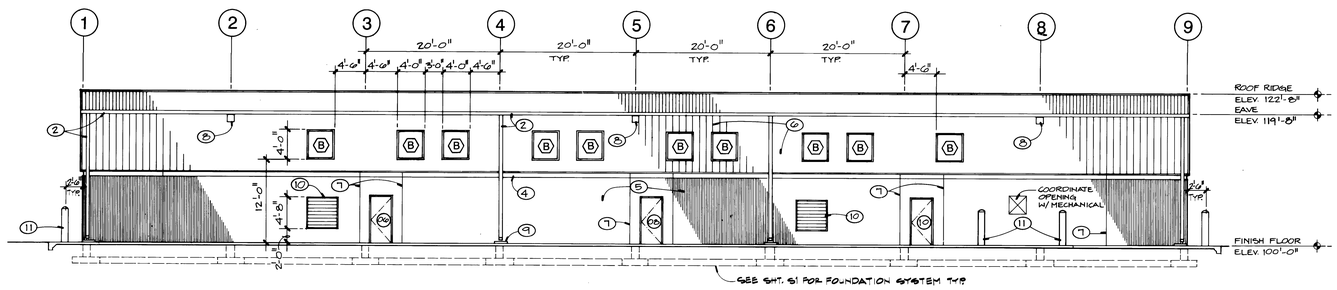
1 / A1.1 **EAST ELEVATION**
SCALE: 1/8"=1'-0"



3 / A1.1 **NORTH ELEVATION**
SCALE: 1/8"=1'-0"



2 / A1.1 **SOUTH ELEVATION**
SCALE: 1/8"=1'-0"



4 / A1.1 **WEST ELEVATION**
SCALE: 1/8"=1'-0"

KEYED NOTES:

1. METAL ROOF
2. METAL GUTTER AND DOWNSPOUT
3. OVERHEAD SECTIONAL DOOR
4. CMU ACCENT STRIPE (STD. CMU)
5. RIBBED CMU
6. EXTERIOR METAL WALL PANEL
7. EXPANSION JOINT
8. LIGHT FIXTURE - SEE ELECTRICAL
9. SPLASH BLOCK - TYP. OF EIGHT
10. LOUVER - SEE MECHANICAL
11. GUARD POST - SEE CIVIL SHEET C1

BPLW

Architects
Albuquerque, New Mexico

"Designing to shape the future"

ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 788
REGISTERED ARCHITECT
ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3582

PROJECT NO. 8525-23.01

DATE SEPT. 1988

ELEVATIONS

DRAWING NO. A5.1

SHEET OF

RECORD DRAWING

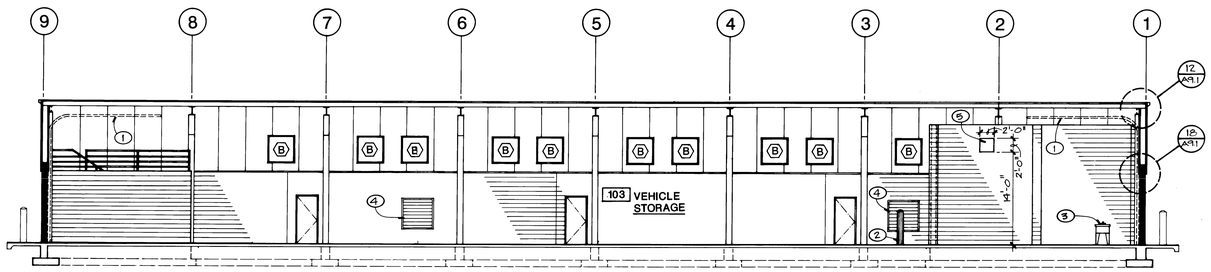
Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By:

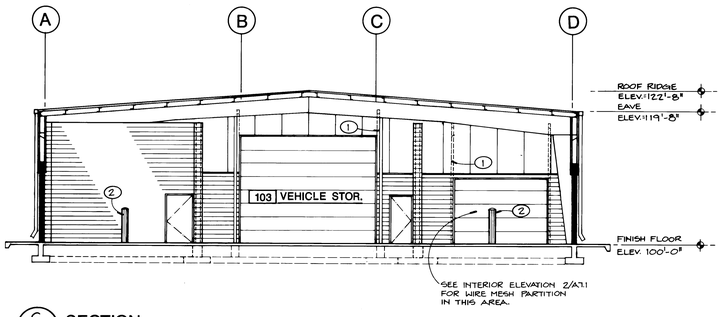
BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

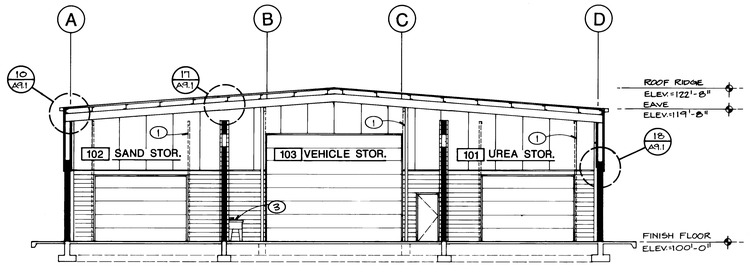
1 2 3 4 5 6 7 8 9 10 11 12
26 356209190



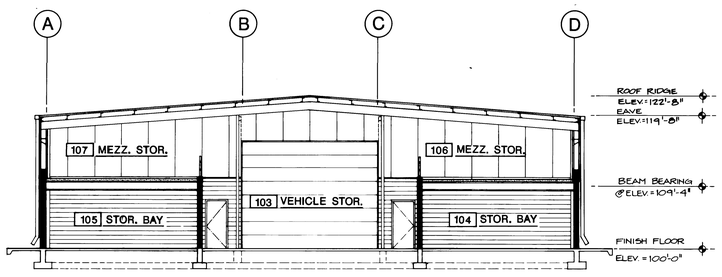
A A1.1 SECTION
SCALE: 1/8"=1'-0"



C A1.1 SECTION
SCALE: 1/8"=1'-0"



B A1.1 SECTION
SCALE: 1/8"=1'-0"



D A1.1 SECTION
SCALE: 1/8"=1'-0"

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

216 3562.1090

BPLW

Designing to shape the future

KEYED NOTES: ⬭

1. TRACK FOR OVERHEAD DOOR.
2. GUARD POST - SEE PLAN FOR EXACT LOCATION.
3. SERVICE SINK - SEE MECHANICAL.
4. LOUVERS - SEE MECHANICAL.
5. OPENING IN CMU WALL FOR SCREW CONVEYOR.

ENGINEER

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 758
REGISTERED ARCHITECT

ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3562

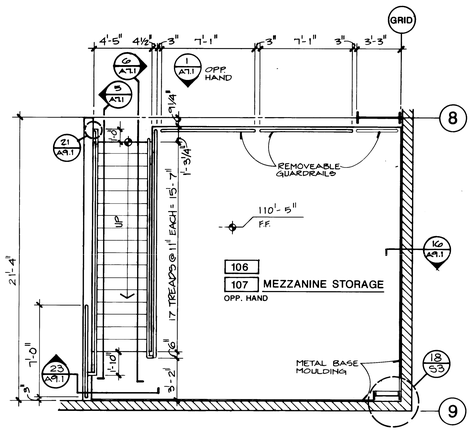
PROJECT NO. 8525-23.01

DATE SEPT. 1988

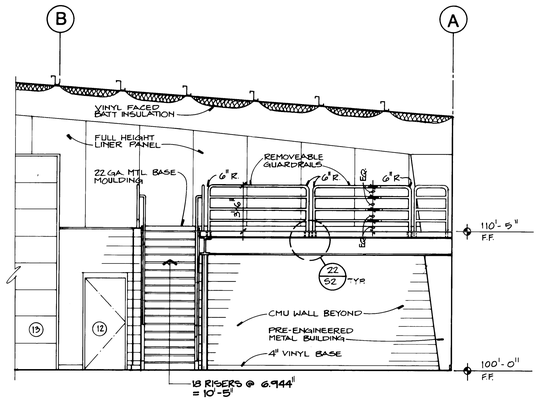
BUILDING SECTIONS

DRAWING NO. **A5.2**

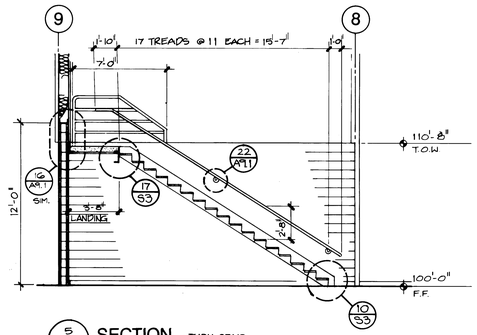
SHEET OF



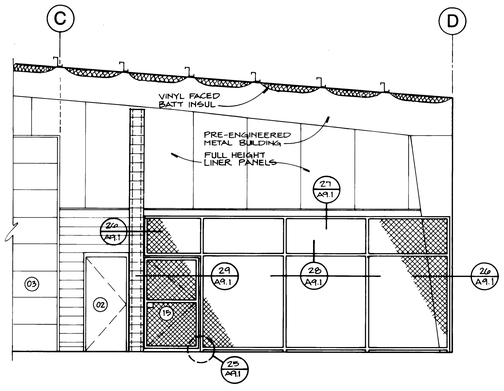
4 A1.1 **ENLARGED PLAN** @ MEZZANINE
SCALE: 1/4"=1'-0"



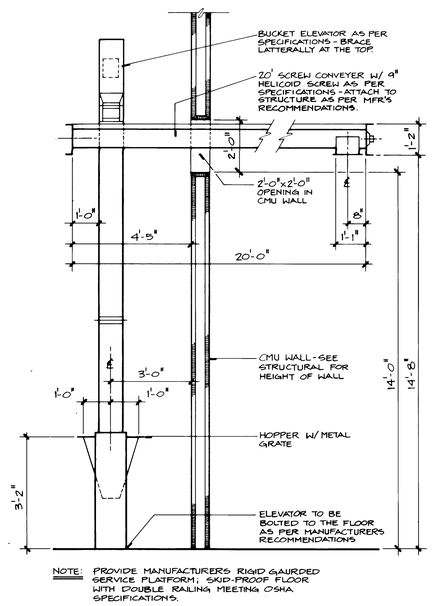
1 4/A7.1 **INTERIOR ELEVATION**
SCALE: 1/4"=1'-0"



5 4/A7.1 **SECTION** - THRU STAIR
SCALE: 1/4"=1'-0"

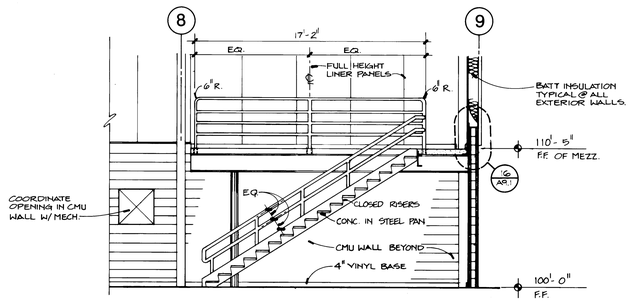


2 A1.1 **INTERIOR ELEVATION**
SCALE: 1/4"=1'-0"

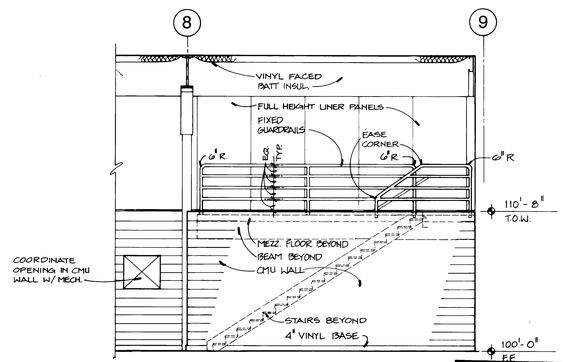


NOTE: PROVIDE MANUFACTURER'S RIGID GAURDED SERVICE PLATFORM, SKID-PROOF FLOOR WITH DOUBLE RAILING MEETING OSHA SPECIFICATIONS.

8 A1.1 **SECTION**
SCALE: 1/2"=1'-0"



6 4/A7.1 **SECTION** THRU STAIR
SCALE: 1/4"=1'-0"



3 4/A7.1 **INTERIOR ELEVATION**
SCALE: 1/4"=1'-0"

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

2G 356211 90

BPLW
Architects & Engineers, Inc.
American Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881-BPLW

Designing to Shape the Future

ENGINEER

RONALD L. PETERS NO. 7819 REGISTERED ARCHITECT STATE OF NEW MEXICO

ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

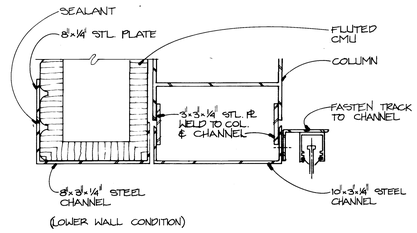
CITY PROJ. NO. 3582

PROJECT NO. 8525-23.01

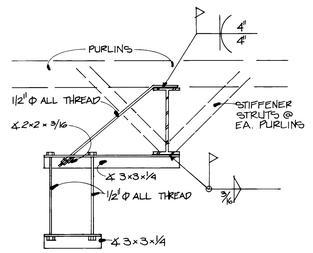
DATE SEPT. 1988

INTERIOR ELEVATIONS
ENLARGED PLAN & SECTIONS

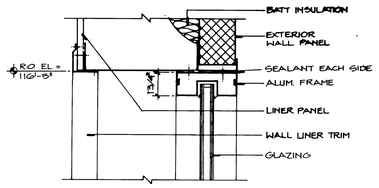
SHEET A7.1 OF



5 / A1.1 JAMB-OVERHEAD DOOR
SCALE: 3" = 1'-0"

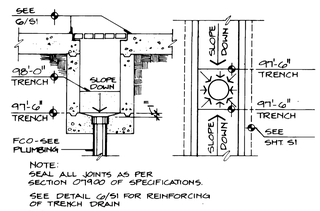


4 / A1.1 CONVEYOR HANGER
NO SCALE

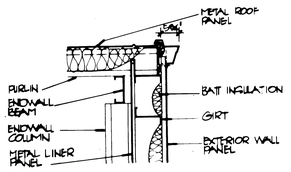


JAMB DETAIL SIMILAR

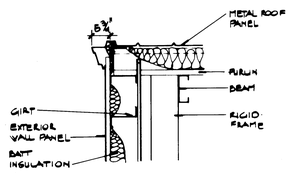
3 / A1.1 HEAD DETAIL
SCALE: 3"=1'-0"



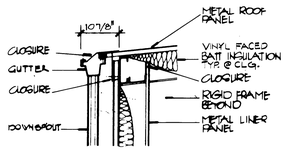
1 / A1.1 TRENCH SECTION/PLAN
SCALE: 3/4"=1'-0"



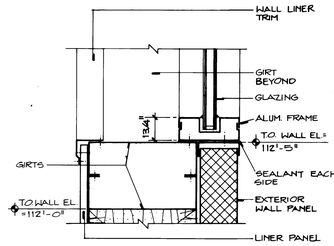
12 / A5.2 RAKE
SCALE: 3/4"=1'-0"



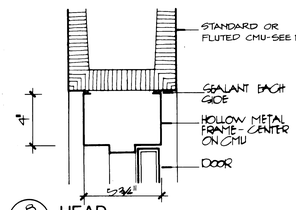
11 RAKE
SCALE: 3/4": 1'-0"



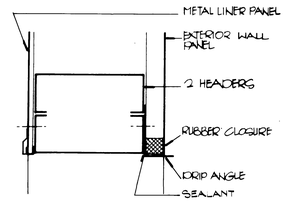
10 / A5.2 EAVE
SCALE: 3/4"=1'-0"



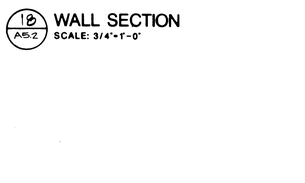
9 / A1.1 SILL DETAIL
SCALE: 3"=1'-0"



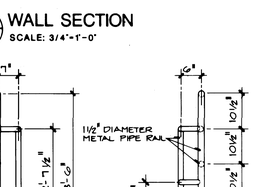
8 / A1.1 HEAD
SCALE: 3"=1'-0"



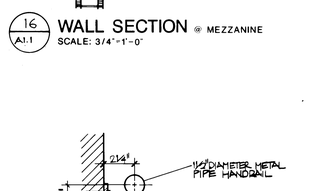
7 / A1.1 HEAD - OVERHEAD DOOR
SCALE: 3"=1'-0"



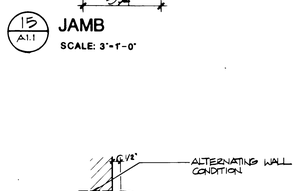
18 / A5.2 WALL SECTION
SCALE: 3/4"=1'-0"



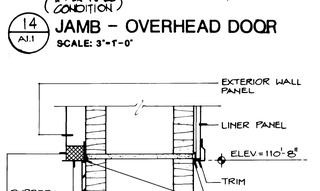
17 / A5.2 WALL SECTION
SCALE: 3/4"=1'-0"



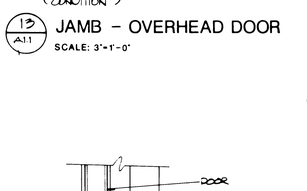
16 / A1.1 WALL SECTION @ MEZZANINE
SCALE: 3/4"=1'-0"



15 / A1.1 JAMB
SCALE: 3"=1'-0"

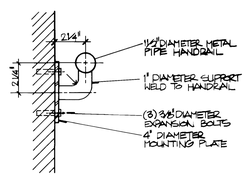


14 / A1.1 JAMB - OVERHEAD DOOR
SCALE: 3"=1'-0"

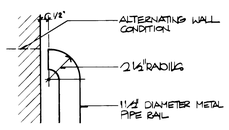


13 / A1.1 JAMB - OVERHEAD DOOR
SCALE: 3"=1'-0"

23 / 4/A7.1 DETAIL -NEWEL
SCALE: 3/4"=1'-0"

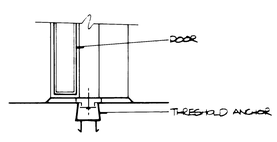


22 / 5/A7.1 HANDRAIL BRACKET
SCALE: 3"=1'-0"

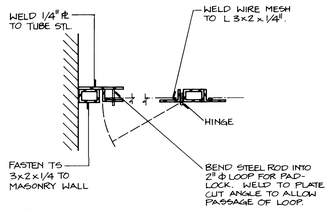


21 / 4/A7.1 HANDRAIL END
SCALE: 3"=1'-0"

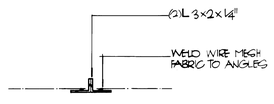
20 / A1.1 HEAD - OVERHEAD DOOR
SCALE: 3/4"=1'-0"



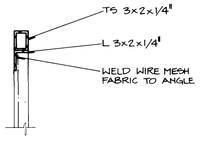
19 THRESHOLD
SCALE: 3"=1'-0"



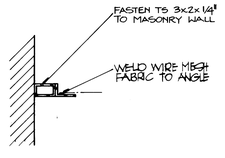
29 / A7.1 DOOR-MESH PARTITION
SCALE: 1/2"=1'-0"



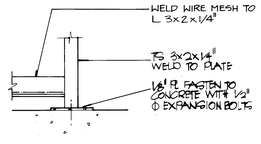
28 / A7.1 MESH PARTITION
SCALE: 1 1/2"=1'-0"



27 / A7.1 HEAD-MESH PARTITION
SCALE: 1 1/2"=1'-0"



26 / A7.1 JAMB-MESH PARTITION
SCALE: 1 1/2"=1'-0"



25 / A7.1 BASE-MESH PARTITION
SCALE: 1 1/2"=1'-0"

BPLW

Architects & Engineers, Inc

Ameritas Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881 BPLW

Designing to shape the future

GENERAL NOTES

THE INTENT OF THE 8" GIRT IS TO PROVIDE STANDARD CONNECTIONS BETWEEN GIRT AND FRAME AND GIRT AND EXTERIOR WALL PANEL SO THAT INSIDE FACE OF PANEL FLUSHES WITH OUTSIDE FACE OF 8" MASONRY WALL; SIMILAR INTENT WITH REGARD TO INTERIOR LINER PANEL. IF BUILDING SUPPLIER CAN PROVIDE CONNECTION FOR 7" GIRT THAT SATISFIES ALL STRUCTURAL AND ARCHITECTURAL REQUIREMENTS, THIS OPTION WILL BE CONSIDERED.

KEYED NOTES

1. MANUFACTURER'S STANDARD GIRT; ANCHOR TO CMU WALL WITH 1/2" DIAMETER A307 ANCHOR BOLT 14" LONG WITH 2" HOOK. SPACE ANCHOR BOLTS AT 32" ON CENTER IN FULLY GROUTED CELLS.

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____
BPLW ARCHITECTS & ENGINEERS, INC.
Date: 12/22/89

ENGINEER

STATE OF NEW MEXICO
RONALD L PETERS
NO. 7881
REGISTERED ARCHITECT
ARCHITECT

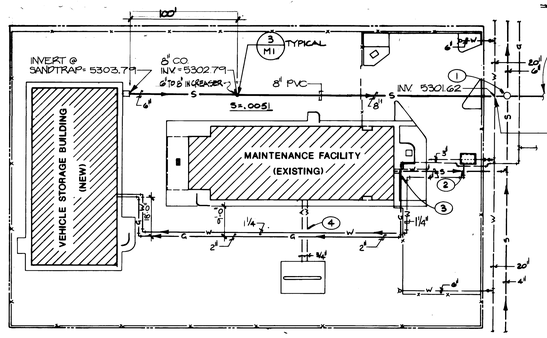
VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3562

PROJECT NO.	DATE
8525-23.01	SEPT. 1988

DETAILS

DRAWING NO.
A9.1
SHEET OF

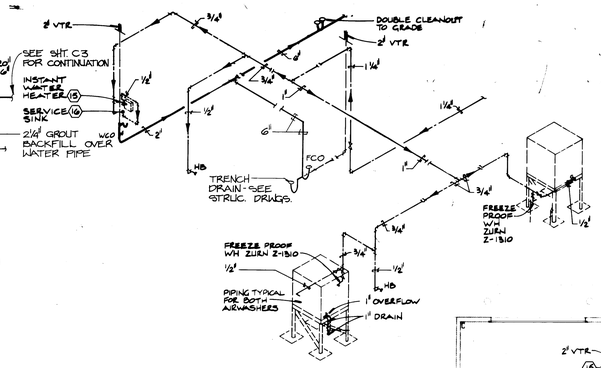


NOTES:

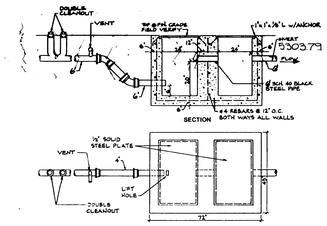
1. CONNECT NEW 8" SOIL LINE TO MANHOLE INV.= 5301.57
2. CONNECT NEW 1 1/4" CW TO EXISTING 1 1/4" STUBOUT AT PRESSURE REDUCING VAULT
3. CONNECT NEW 2" GAS LINE TO EXISTING VERIFY EXISTING METER & SERVICE CAPACITY FOR AN ADDITIONAL 829 CFH @ 7" W.C. LEAVING PRESSURE. CONNECT NEW LINE DOWN STREAM OF EXISTING METER W/BUTOFF VALVE-IN-BOX.
4. HAND DIG IN VICINITY OF EXISTING WATER AND AIR LINES.

NOTE: PATCH & REPAIR ALL ASPHALT AND CONCRETE AFFECTED BY CONSTRUCTION.

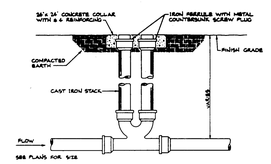
SITE UTILITY PLAN
SCALE: 1" = 50'-0"



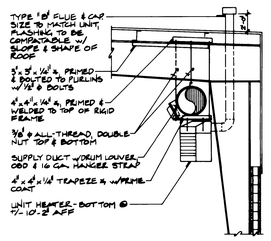
PIPING ISOMETRIC
NO SCALE



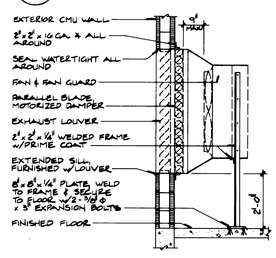
2 M1 SAND TRAP DETAIL
NO SCALE



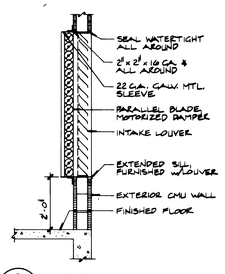
1 M1 DOUBLE CLEANOUT DETAIL
NO SCALE



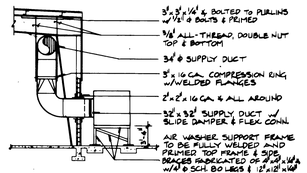
4 M1 DETAIL
SCALE: 1/4" = 1'-0"



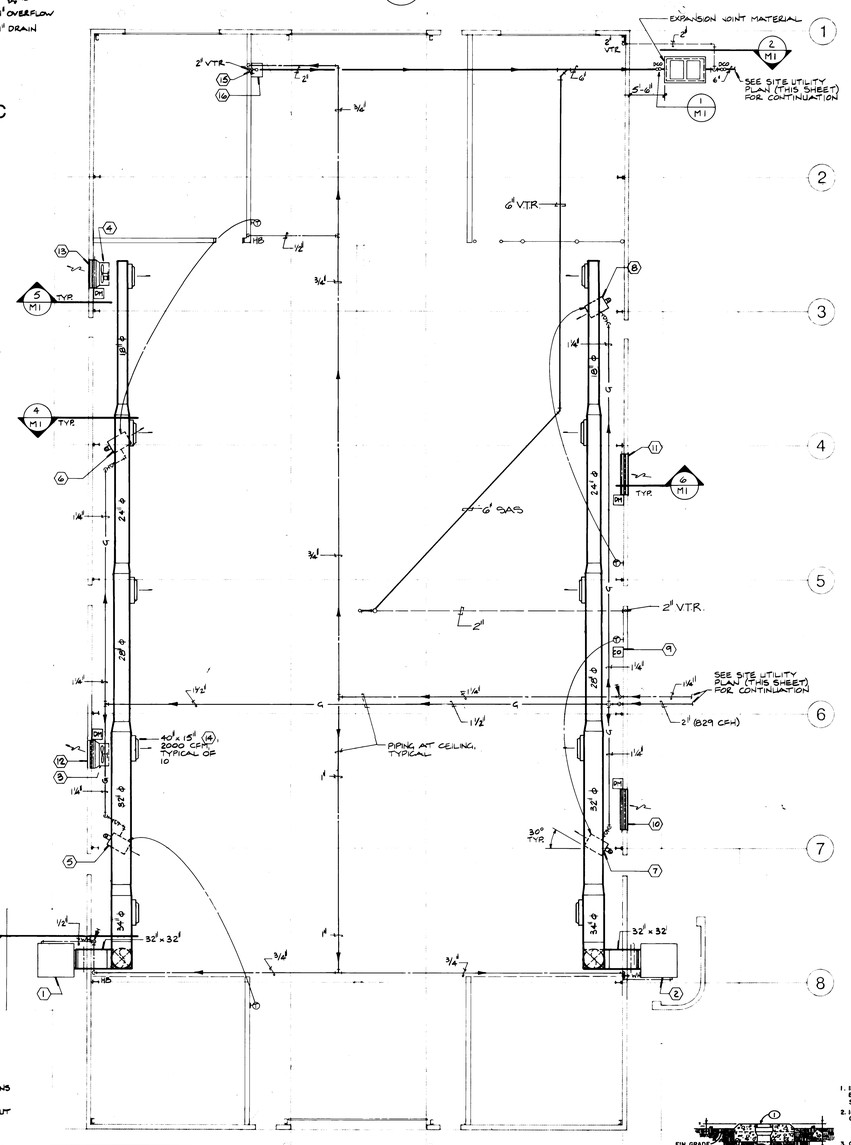
5 M1 DETAIL
SCALE: 1/2" = 1'-0"



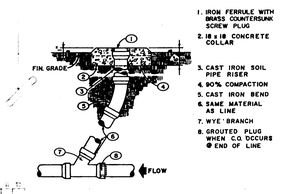
6 M1 DETAIL
SCALE: 1/2" = 1'-0"



7 M1 DETAIL
SCALE: 1/8" = 1'-0"



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



3 M1 CLEANOUT DETAIL
NO SCALE

MECHANICAL EQUIPMENT SCHEDULE

ALL CAPACITIES AT 5683 FT. ELEVATION

SYMBOL	DESCRIPTION
(1) and (2)	AIR WASHERS WITH FAN SECTION: Factory fabricated and assembled. Air washer and fan section shall be fabricated of galvanized steel with stiffening and support members as required. Tank shall be fabricated of 14 ga. black iron with welded seams and coated cold tar epoxy. All supports shall be welded. Tank shall be leak tested at the factory. Fill shall be celdek cellulose paper, (90% eff.) 12 in. deep with impregnated with insoluble anti-rot salts. Distribution headers shall be pvc pipe with drilled ports. Distribution pump shall be vertical submerged type located in the tank. Pump shall be cast iron and epoxy coated. Distribution pump shall have a capacity of 14 gpm at 10 ft. head 1/15 hp, 120-1-60 hz. Furnish with 1/2" cold water make-up, float valve and overflow and drain connection. Furnish (2) removable panels on each side of the fan cabinets and a removable roof for maintenance access to all internal components. Fan shall be DWDI, with two speed, two winding, 1800/1200 rpm motor and rubber in shear isolation. Capacities as scheduled below. Sun Manufacturing, Alton, Air and Refrigeration or approved equal. Model selection based on Alton Model HEDM-1250, color as selected by the Architect.

SYMBOL	CFM	MAX. VELOCITY	S.P. IN. W.G.	FAN RPM	MOTOR BHP	MOTOR H.P.	MEDIA FREE AREA	POWER
1	10,000	500 FPM	0.75	430	3.0	5.0	23.8 SQ.FT.	480V-3Ph-60Hz
2	10,000	500 FPM	0.75	430	3.0	5.0	23.8 SQ.FT.	480V-3Ph-60Hz

(3) and (4) EXHAUST FAN: Propeller type, belt driven fan sidewall type exhaust fan. Fan housing and propellers shall be constructed of heavy gauge galvanized metal, primed for field painting. Unit shall be furnished with 18 gauge, galvanized steel intake enclosure. Enclosure shall be primed for field painting. Units shall have a capacity of 9,700 cfm @ 1/4" S.P., 1 HP motor and operate on 208V - 60 Hz. - single phase power. Carnes Model LWDA-36, Type T, or approved equal.

(5) thru (8) GAS FIRED UNIT HEATERS: Natural gas fired, propeller type fan, AGA approved. Furnish complete with all required safety and operating controls including: low voltage transformer relay, fan time delay, high limit switch, fan controls, automatic 24 volt gas valve with 100% safety pilot shut off, pressure regulator, main and pilot gas cocks, 24 volt thermostat. Totally enclosed motor with thermal overload protection, adjustable discharge louvers, gum filter to protect pilot orifice from clogging with dirt. Trane, Modine, Reznor or approved equal.

CFM	MOTOR HP	MOTOR RPM	POWER	HEATING OUTPUT AT ELEVATION	REZNOR MODEL
3000	1/4	1140	115V-1Ph-60Hz	144,000 btuh	CXL-250

(9) CARBON MONOXIDE DETECTOR: Provide and install a micro computerized CO detector. Detector shall be housed in a heavy gauge metal housing, primed and painted. Housing shall be provided with mounting holes and control status indicator lights. The detector shall be capable of self diagnostic/fault monitoring. The detector shall be capable of removing contaminants from the sensor by subjecting it to controlled current pulses. Sensor life shall be rated at 5 years. The detector shall be capable of compensating for temperature and humidity variations. CO levels shall be detected by averaging to prevent transient alarms. If CO levels exceed 50 ppm or if the micro computer detects a fault, the exhaust fan shall be activated and shall remain running for a minimum of 2-1/2 minutes until CO drops below 50 ppm or until the fault is cleared. If CO levels should rise above 200 ppm and remain there for 15 minutes, the detector shall alarm with an 85 dB continuous alarm. If CO level is detected at 400 ppm/hours (over an 8 hour period) and the current level exceeds 50 ppm, the detector shall alarm with an 85 dB pulsating alarm. The entire unit shall have two year warranty. Unit shall be Quantum CO Star or approved equal.

SEQUENCE OF OPERATION: The Carbon Monoxide detector shall be installed at the location shown on the plans. Upon detecting CO levels to be above 50 ppm, the detector shall energize contuncts to start the exhaust fans. The exhaust fans shall remain running for a minimum of 2-1/2 minutes and until CO levels drop below 50 ppm. Upon starting, each fan shall open it's respective intake and exhaust damper.

ALARM CONDITION	INDICATOR LIGHT	AUDIBLE ALARM
Above 50 PPM	Steady Yellow	None (fan operation)
Above 200 PPM	Steady Red	Continuous
Above 400 PPM for 8 Hrs.	Flashing Red	Pulsating
Normal Operation	Flashing Green	None
Faults	Sequential flashing of all lights	Beep every 4 sec.
Sensor Replacement	Fault Conditions Apply	

OPERATING CONDITIONS:

POWER	TEMPERATURE RANGE	RELATIVE HUMIDITY RANGE	RELAY CONTACTS	DETECTOR RANGE
24VAC, 0.5 amps	32 Deg.- 125 Deg. F	10% - 90%	5 amps inductive	10,000 sq. ft.

(10) thru (13) LOUVERS: Factory fabricated, fully welded, extruded aluminum louvers, primed for field painting. Furnish with rust resistive bird screen, extended sill and without flange. Louver for installation within ductwork. Furnish with parallel blade, motorized (120 VAC) damper. Ruskin Model CD40. Louver shall be Ruskin Model ELF-375D or approved equal.

SYMBOL	CFM	VELOCITY	MIN. FREE AREA	LOUVER AND DAMPER SIZE (HXW)	MAX. S.P.	SERVICE
10	9700	600 FPM	16.2 SQ. FT.	64" X 72"	0.04"	Intake
11	9700	600 FPM	16.2 SQ. FT.	64" X 72"	0.04"	Intake
12	9700	1000 FPM	9.7 SQ. FT.	56" X 56"	0.1"	Exhaust
13	9700	1000 FPM	9.7 SQ. FT.	56" X 56"	0.1"	Exhaust

(14) DRUM LOUVER: Drum, frame and vanes fabricated of extruded aluminum with a natural finish. Furnish with opposed blade damper with size and CFM as shown on drawings. Krueger Model DPL or approved equal.

(15) INSTANT WATER HEATER: Wall mounted, flow thru type water heater, 8.0 Kw heating element, 208V-1Ph - 60Hz, 38 amp operating power, 54 deg. F temperature rise @ 1.0 gpm. Furnish with 1.0 gpm inline flow controller. As manufactured by Chronomite Labs, Model 580I. Contact Barnett and Co., Albuquerque, New Mexico.

(16) SERVICE SINK: American Standard No. 7602.055 enameled cast iron single compartment sink, black angle iron frame No. 7602.030, faucet with vacuum breaker and hose end No. 8341.075 with stops in shanks, P-trap and strainer.

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: John Mann

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

BPLW
Architects & Engineers, Inc
American Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881-BPLW

Designing to Shape the Future

GENERAL NOTE

A. FLASHINGS TO BE OF THE TYPE RECOMMENDED BY THE BUILDING MANUFACTURER AND BE COMPATIBLE TO THE SLOPE AND SHAPE OF THE ROOF.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
	ROUND DUCT-OPEN @ CUT LINE
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	SQUARE-TO-ROUND FITTING
	DRUM LOUVER
	FLEXIBLE DUCT CONNEC.
	LOUVER WITH BIRDSCREEN
	MOTORIZED DAMPER (PLAN, SECTION)
T	THERMOSTAT
	RISE OR DROP IN PIPE
	RISE IN PIPE TO NEXT LEVEL
	DROP IN PIPE TO NEXT LEVEL
D	DRAIN LINE
CO	CARBON MONOXIDE DETECTOR
	DIRECTION OF FLOW
WCO	WALL CLEANOUT
WH	WALL HYDRANT
	PLUG COCK
	SOIL LINE
FCO	FLOOR CLEANOUT
	VENT LINE
	COLD WATER
	HOT WATER
	GATE VALVE
	RISE IN PIPE
W	EXISTING WATER (SITE)
S	EXISTING SEWER (SITE)
G	EXISTING GAS (SITE)
W	NEW WATER (SITE)
S	NEW SEWER (SITE)
G	NEW GAS (SITE)
DCO	DOUBLE CLEANOUT
CO	CLEANOUT
HB	HOSE BIB

RICHARD G. BROWN STATE OF NEW MEXICO NO. 6395 REGISTERED PROFESSIONAL ENGINEER — ENGINEER

STATE OF NEW MEXICO RONALD L. PETERS NO. 788 REGISTERED ARCHITECT — ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3582

PROJECT NO. 8525-23.01

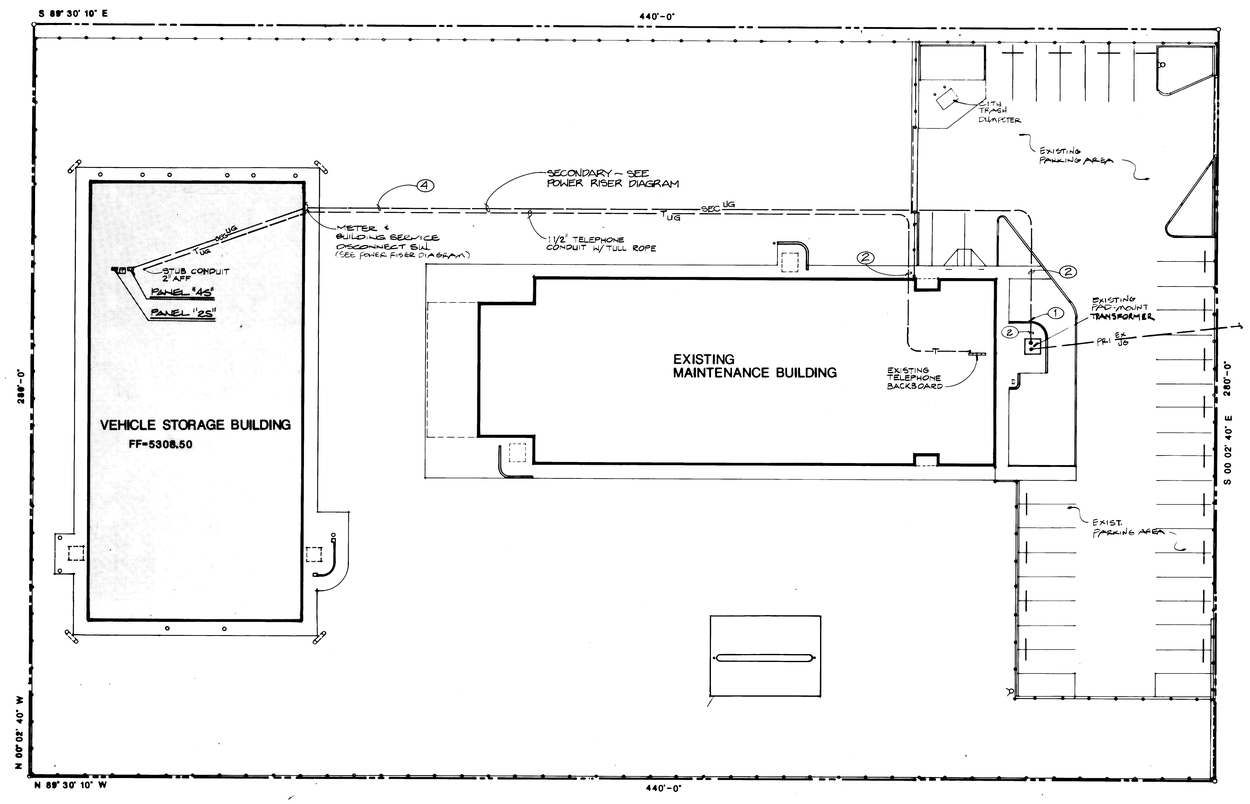
DATE SEPT. 1988

MECHANICAL FLOOR PLAN

DRAWING NO. **M1**

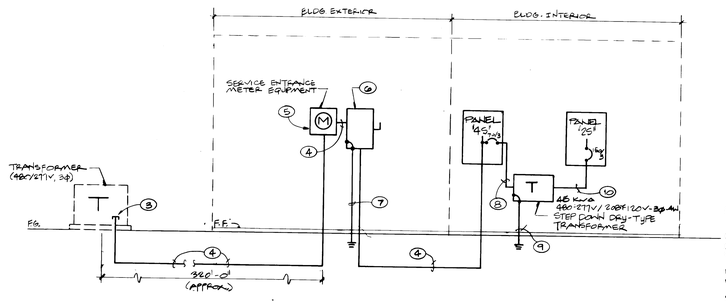
SHEET OF

	T
CB	CB



SITE PLAN - ELECTRICAL

SCALE: 1"=20'-0"



POWER RISER DIAGRAM

NO SCALE

LOAD SUMMARY - 277/480V, 3Ø, 4W

LOAD	CONNECTED VA	DEMAND	DEMAND VA
Lights	9,600	125%	12,000
Receptacles	2,700	100%	2,700
Mechanical	12,300	125%	15,375
Mechanical	12,650	100%	12,650
Special Equip.	12,900	80%	10,320
TOTAL	50,150		53,045

+ 10% growth factor

= 58349.5VA

SHORT CIRCUIT ANALYSIS

Building Transformer = 150 KVA with 1.2% Z and unlimited primary SCA maximum fault at transformer secondary terminals = 15,083A (480V, 3Ø)

Use of current limiting fuses in main disconnect switch will limit fault at panel "4S" to less than 14,000 A.I.C.

This design conforms with article 290 of the New Mexico Energy Code.

1	2	J	4	5	6	7	8	9	10	11	12
2G	3	5	6	2	1	4	9	0			

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

BPLW

Architects & Engineers Inc

American Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881-BPLW

Designing to Shape the Future

KEYED NOTES

1. HAND DIG BENEATH EXISTING CMU SCREEN WALL.
2. SAW CUT AND TRENCH EXISTING CONCRETE WALK. PATCH TO MATCH EXISTING. COORDINATE INSTALLATION OF SECONDARY WITH EXISTING LANDSCAPING TO MINIMIZE DAMAGE TO TRESS, SHRUBS, ETC.
3. STUB SECONDARY CONDUIT UP FLUSH WITH EXISTING TRANSFORMER PAD.
4. 4# 1/0 + 1#6 GRD. IN 2" C.
5. 200A METER SOCKET PER PNM DRAWING #DS-19-11.4.
6. 100A-3P+SN, 600V, FUSIBLE DISCONNECT SWITCH, FUSED AT 100 AMPS, NEMA 4 ENCLOSURE.
7. 1#6 BSD C.U. GRD.
8. 3#4 IN 1-1/4" C.
9. 1#8 BSD C.U. GRD.
10. 4# 1/0 IN 2" C.

DAVID A. PENASA — STATE OF NEW MEXICO — NO. 8745 — REGISTERED PROFESSIONAL ENGINEER — ENGINEER

RONALD L. PETERS — STATE OF NEW MEXICO — NO. 789 — REGISTERED ARCHITECT — ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3582

PROJECT NO.	DATE
8525-23.01	SEPT. 1988

SITE PLAN - ELECTRICAL & RISER DIAGRAM

DRAWING NO.

E0.1

SHEET OF

E0.1	E0.1

SP

LIGHT FIXTURE SCHEDULE

TYPE	LAMPS	MOUNTING	DESCRIPTION
A	2-F96/ T12/LW/ HO/WMII	PENDANT TO 17'-0" A.F.F. SURFACE TO STRUCT. IN STOR. ~~BAYS~~	8' OPEN INDUSTRIAL FLUORESCENT FIXTURE WITH TURRET REFLECTOR AND WIRE GUARD, 277V, ENERGY SAVING BALLAST. 204 UPLIGHT. LITHONIA #AF10296-HO-277-ES-SQ-12WG3.
B	2-F40/LW/ RS/WMII	WALL, +8'-0" A.F.F.	4' FLUORESCENT WALL FIXTURE WITH PRISMATIC ACRYLIC LENS. 277V, ENERGY SAVING BALLAST. LITHONIA #WS240-A12-277-ES-DL
C	1-100W- HPS	WALL, +18'-0"	H.I.D. WALLPACK FIXTURE, WITH CAST ALUMINUM HOUSING, SPECULAR ALUMINUM PRISMATIC BOROSILICATE REFLECTOR, GLASS LENS, #77V HPF BALLAST, DARK BRONZE FINISH. LITHONIA #TWH-100S-277.
D	2-9W-HIT 6V	WALL, +8'-6" A.F.F.	EMERGENCY BATTERY PACK UNIT WITH 2 DIRECTIONAL LIGHTING HEADS, LV DISCONNECT, 6V NICKEL CADMIUM BATTERY. EMERGILITE #JSC18-2(IA).
E	2-20W- 20TG 1/2 AND 2-3W-4V	WALL, +8-6" A.F.F.	SELF POWERED SINGLE FACE INCANDESCENT EXIT SIGN WITH DOWNLIGHT, RED LETTERS WITH BRUSHED ALUM. STENCIL FACE, DIE CAST ALUM. HOUSING, 120/277V. EMERGILITE #BSEX72-R. ~OWNER SUPPLIED FIXTURE

LIGHT FIXTURE SCHEDULE NOTES:

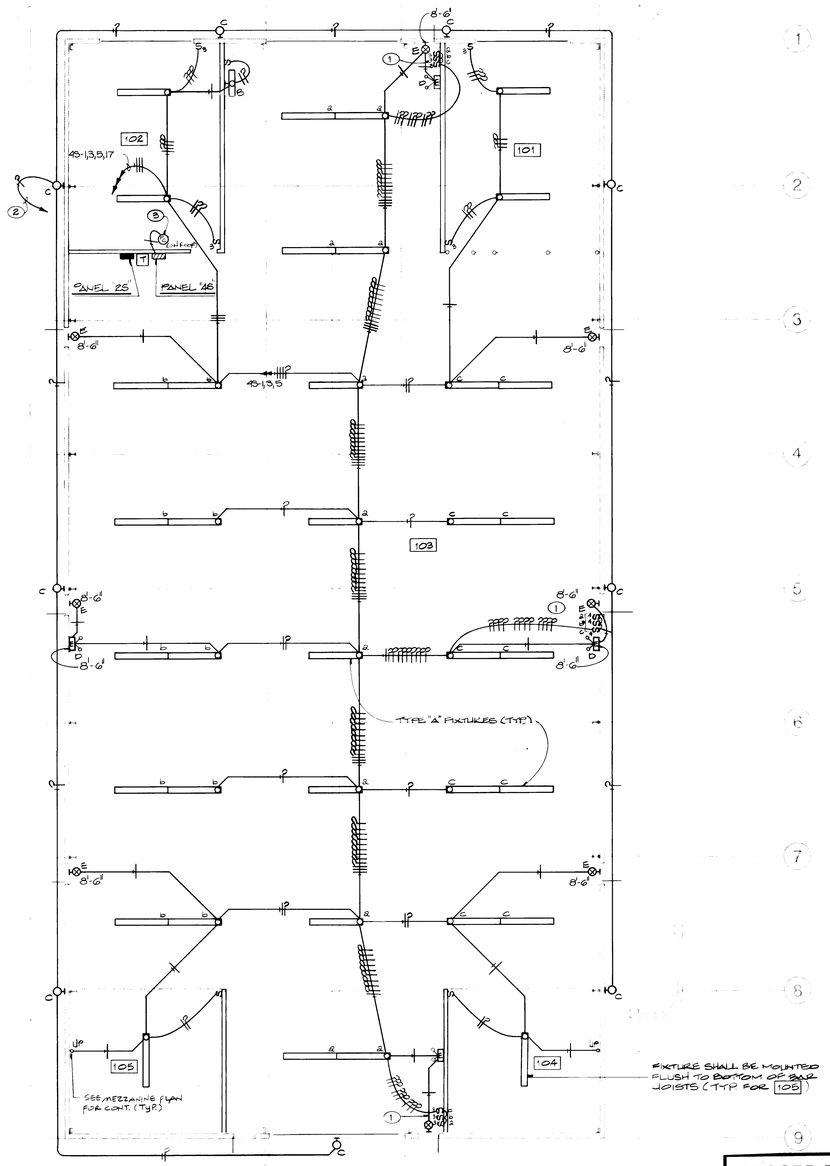
A. SUBMIT FOR APPROVAL, COMPLETE SHOP DRAWINGS, CATALOG CUTS, SPECIAL INSTALLATION INSTRUCTIONS, PHOTOMETRIC DATA AND DESCRIPTIVE LITERATURE. INCOMPLETE SUBMITTALS WILL BE REJECTED. WHEN FIXTURES ARE PROPOSED FOR SUBSTITUTION AND PRIOR APPROVAL HAS NOT BEEN ISSUED, THE SUBMITTAL FOR APPROVAL SHALL INCLUDE CATALOG CUTS OF BOTH THE SPECIFIED AND PROPOSED FIXTURES.

B. VERIFY FIXTURE TYPES WITH SPECS TO ASSURE THAT ALL FEATURES IN FIXTURE DESCRIPTION ARE INCLUDED.

C. VERIFY MOUNTING HEIGHTS OF ALL SUSPENDED AND WALL MOUNTED FIXTURES WITH ARCHITECT/ENGINEER.

D. FURNISH PROPER CEILING FRAMES FOR THE CEILING IN WHICH RECESSED FIXTURES ARE TO BE INSTALLED. VERIFY PRIOR TO ORDERING.

MEZZANINE PLAN – LIGHTING
SCALE: 1/8" = 1'-0"



FLOOR PLAN – LIGHTING
SCALE: 1/8" = 1'-0"

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

BPLW
Architects & Engineers, Inc
American Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881-BPLW

Designing to Shape the Future

GENERAL NOTES

A. ALL LIGHT FIXTURES THIS PLAN SHALL BE TYPE "A" UNLESS OTHERWISE INDICATED.

B. ALL LIGHTING CIRCUITS SHALL BE #10 AWG (TYPICAL).

C. THE CONDUIT RUNS AS SHOWN ON THE DRAWINGS INDICATE APPROXIMATE ROUTING. EXACT LOCATION OF CONDUIT RUNS SHALL BE PER FIELD CONDITIONS.

KEYED NOTES

1. THREE (3) SWITCHES OF TYPE INDICATED SHALL CONTROL FIXTURES AS INDICATED (a,b,c).
2. EXTEND CIRCUIT INDICATED THRU PHOTOCELL ON ROOF.
3. TORK #101 PHOTOCELL ON ROOF FOR CONTROL OF TYPE "C" FIXTURES.

DAVID A PEÑASA — STATE OF NEW MEXICO — NO. 8745 — REGISTERED PROFESSIONAL ENGINEER — ENGINEER

STATE OF NEW MEXICO — RONALD L. PETERS NO. 7118 — REGISTERED ARCHITECT — ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3582

PROJECT NO. 8525-23.01

DATE SEPT. 1988

LIGHTING PLAN

DRAWING NO **E1.0**

SHEET OF

PANEL SCHEDULE

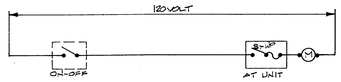
PANEL "2S" — 120/208V, 3ϕ, 4W, 225A MAINS, 150A MAIN BREAKER, GROUND BUS, SURFACE MOUNT, TOP FEED, DOOR-IN-DOOR CONSTRUCTION, 10,000 A.I.C.

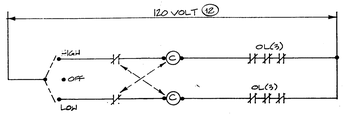
NO./AMP/POLE	BRANCH BREAKERS	CCT.NO'S.
14-20A-1P	BRANCH BREAKERS	1-13, 14 (SPARE)
2-20A-2P	EXHAUST FANS	19, 20
1-50A-2P	INST. WATER HEATER	23
10- -1P	SPACE ONLY	

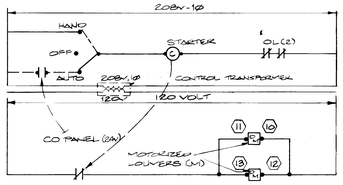
PANEL "4S" — 277/480V, 3ϕ, 4W, 100A MAINS, M.L.O., GROUND BUS, SURFACE MOUNT, BOTTOM FEED, DOOR-IN-DOOR CONSTRUCTION, 14,000 A.I.C.

NO./AMP/POLE	BRANCH BREAKERS	CCT.NO'S.
4-20A-1P	BRANCH BREAKERS	1, 2, 3, 5,
2-20A-1P	(SPARES)	4, 6
6-15A-3P	MECH. & LOADING EQUIP.	7, 8, 13, 14, 19, 20
1-70A-3P	SUB-FEED PANEL "2S"	25
15- -1P	SPACE ONLY	

NOTE:
SEE PANEL DIRECTORY BELOW FOR AS BUILT PANEL CONDITION







CONTROL DIAGRAMS

PANEL DIRECTORY

PANEL "2S"

CIRCUIT	NO.	NO.	CIRCUIT
RECEPTACLES	1	2	NORTH HEATER
RECEPTACLES	3	4	SOUTH HEATER
C.O. DETECTOR	5	6	EAST A/C
	7	8	
	9	10	
	11	12	
SOUTH EXHAUST FAN	13	14	
SOUTH EXHAUST FAN	15	16	
HOT WATER HEATER	17	18	NORTH EXHAUST FAN
HOT WATER HEATER	19	20	SOUTH EXHAUST FAN

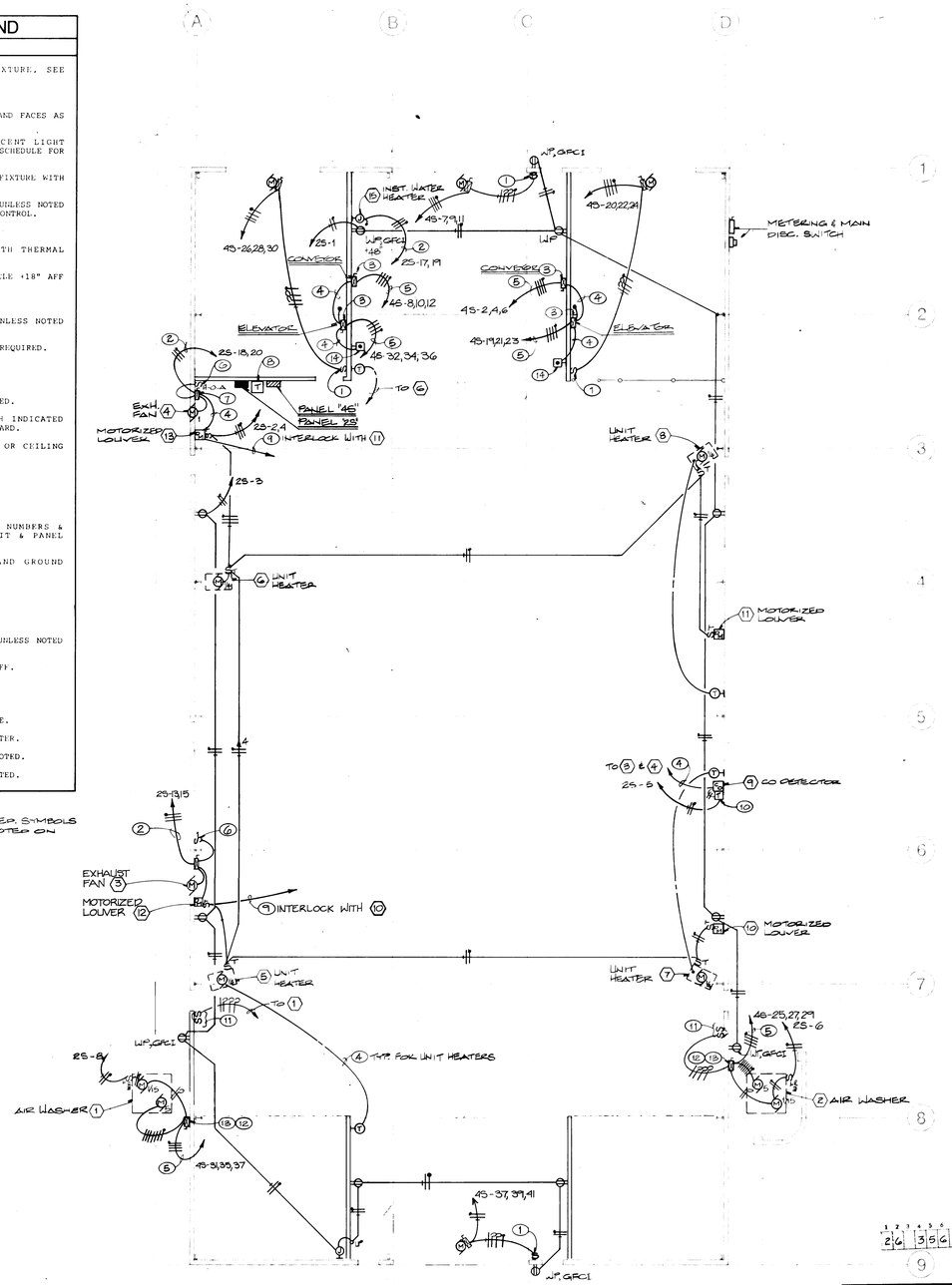
PANEL "4S"

CIRCUIT	NO.	NO.	CIRCUIT
MIDDLE LIGHTS	1	2	EAST CONVEYOR
EAST LIGHTS	3	4	EAST CONVEYOR
WEST LIGHTS	5	6	EAST CONVEYOR
MIDDLE NORTH DOOR	7	8	WEST CONVEYOR
MIDDLE NORTH DOOR	9	10	WEST CONVEYOR
MIDDLE NORTH DOOR	11	12	WEST CONVEYOR
	13	14	
	15	16	
LIGHT CONVEYOR ROOM	17	18	
EAST ELEVATOR	19	20	NORTHEAST DOOR
EAST ELEVATOR	21	22	NORTHEAST DOOR
EAST ELEVATOR	23	24	NORTHEAST DOOR
SOUTHEAST A/C	25	26	NORTHWEST DOOR
SOUTHEAST A/C	27	28	NORTHWEST DOOR
SOUTHEAST A/C	29	30	NORTHWEST DOOR
SOUTHWEST A/C	31	32	WEST ELEVATOR
SOUTHWEST A/C	33	34	WEST ELEVATOR
SOUTHWEST A/C	35	36	WEST ELEVATOR
SOUTH MIDDLE DOOR	37	38	SUB-FEED PANEL "2S"
SOUTH MIDDLE DOOR	39	40	SUB-FEED PANEL "2S"
SOUTH MIDDLE DOOR	41	42	SUB-FEED PANEL "2S"

ELECTRICAL LEGEND

SYMBOL	DESCRIPITON
○	RECESSED ROUND LIGHT FIXTURE. SEE SCHEDULE FOR TYPE.
○	WALL MOUNTED LIGHT FIXTURE.
⊙	EXIT LIGHT FIXTURE. ARROWS AND FACES AS INDICATED.
▭	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR MOUNTING HEIGHT.
▭	LAY-IN CEILING FLUORESCENT FIXTURE WITH J-B & FLEXIBLE CONDUIT.
S	WALL SWITCH, SPST. +48" AFF UNLESS NOTED OTHERWISE, LETTER INDICATES CONTROL.
S_3	3-WAY WALL SWITCH.
S_T	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION.
⇥	DUPLEX CONVENIENCE RECEPTACLE +18" AFF UNLESS NOTED OTHERWISE.
M	MOTOR OUTLET AND HP SIZE.
T	THERMOSTAT (M), +48" AFF UNLESS NOTED OTHERWISE.
○	JUNCTION BOX AS NOTED AND/OR REQUIRED.
(5)	ELECTRICAL KEYED NOTE.
	DISCONNECT SWITCH.
	ELECTRICAL PANEL. FLUSH MOUNTED.
	3/4" X 8'-0 HIGH X LENGTH INDICATED PLYWOOD TELEPHONE TERMINAL BOARD.
——	RACEWAY CONCEALED IN WALL OR CEILING UNLESS OTHERWISE NOTED.
— —	RACEWAY CONCEALED IN FLOOR.
— UG —	RACEWAY, UNDERGROUND.
—T—	TELEPHONE RACEWAY.
A-12,3	HOMERUN TO PANEL BOARD. NUMBERS & LETTERS INDICATED CIRCUIT & PANEL DESIGNATION.
#1	NEUTRAL, HOT, SWITCH AND GROUND CONDUCTORS RESPECTIVELY.
2"	CONDUIT TURNED DOWN.
2"	CONDUIT TURNED UP.
	GROUND CONNECTION.
▶	TELEPHONE OUTLET, +18" AFF UNLESS NOTED OTHERWISE.
▶ TV	WALL TELEPHONE OUTLET, +48" AFF.
C	CLOCK OUTLET, +7'-0" AFF.
WP	WEATHERPROOF.
(M)	MECHANICAL EQUIPMENT REFERENCE.
GFCI	GROUND FAULT CIRCUIT INTERRUPTER.
▷	EXISTING TELEPHONE J-BOX AS NOTED.
▷	EXISTING COMPUTER J-BOX AS NOTED.

NOTE: DISREGARD SYMBOLS NOT USED. SYMBOLS NOT INDICATED ON LEGEND ARE NOTES ON PLAN.



FLOOR PLAN – POWER

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

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

BPLW
Architects & Engineers, Inc
American Financial Center #5
Suite 400
2400 Louisiana Blvd. NE
Albuquerque, New Mexico 87110
505/881-BPLW
Designing to Shape the Future

GENERAL NOTES

1. THIS CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO PREVENT CONFLICTS RELEVANT TO LOCATION OF MECHANICAL EQUIPMENT AND CONDUIT ROUGH-IN. VERIFY IN FIELD.
2. LOCATION OF EQUIPMENT, DEVICES, AND FEEDERS AS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
3. THE CONDUIT RUNS AS SHOWN ON THE DRAWINGS INDICATE APPROXIMATE ROUTING. EXACT LOCATION OF CONDUIT RUNS SHALL BE PER FIELD CONDITIONS.
4. ALL RECEPTACLES, SHALL BE INSTALLED UP +24" A.F.F. MINIMUM. CONDUITS AND CONDUCTORS SERVING RECEPTACLES SHALL BE EXTENDED FROM ABOVE.

KEYED NOTES ○

1. PROVIDE 3 POSITION CONTROL STATION (OPEN-CLOSE-STOP) FOR CONTROL OF ROLL UP DOOR. CONNECT TO OPERATOR PER MANUFACTURERS REQUIREMENTS.
2. 2#6 + 1#10 GRD. IN 1" C.
3. 30A-3P+SN, COMBINATION STARTER/FUSIBLE DISCONNECT SWITCH, 600V, NEMA SIZE 0 STARTERS, NEMA 4 ENCLOSURE, FUSE AT 3 AMPS (CONVEYOR) 1.5 AMPS (ELEVATOR).
4. 1/2" C. WITH CONTROL WIRING AS REQUIRED.
5. 3#12 AND 1#12 GRD. IN 1/2" C.
6. "HAND-OFF-AUTO" SWITCH FOR CONTROL OF EXHAUST FAN.
7. 30A-3P+SN, COMBINATION STARTER/FUSIBLE DISCONNECT SWITCH, 250V, NEMA SIZE 0 STARTERS, NEMA 4 ENCLOSURE, FUSE AT 4.5 AMPS. PROVIDE AUXILIARY CONTACTS AND CONTROL TRANSFORMER AS REQUIRED.
8. 45 KVA DRY TYPE STEPDOWN TRANSFORMER, 480-208Y/120V, 3ϕ, 4W.
9. 1/2" C. + CONTROL WIRING AS REQUIRED FOR INTERLOCK TO MECH. UNIT INDICATED.
10. 120V TO 24VAC STEP DOWN TRANSFORMER MOUNTED ADJACENT TO CO DETECTOR SYSTEM.
11. TWO (2) SWITCHES, 1 SHALL CONTROL PUMP "ON-OFF", THE OTHER SHALL CONTROL FAN "HI-OFF-LOW" RESPECTIVELY.
12. PROVIDE 480V TO 120V CONTROL TRANSFORMER. SIZE AS REQUIRED.
13. 30A-3P+SN, COMBINATION 2 SPEED STARTER/FUSIBLE DISCONNECT SWITCH, 600V, NEMA SIZE 1 STARTER, NEMA 4 ENCLOSURE, FUSE AT 9 AMPS. PROVIDE AUXILIARY CONTACTS AS REQUIRED.
14. CONTROL PUSHBUTTON "START-STOP" SWITCH WITH ADJUSTABLE TIME DELAY RELAY IN NEMA 4 ENCLOSURE FOR ELEVATOR/CONVEYOR CONTROL SEQUENCE AS FOLLOWS:
"START" - CONVEYOR "ON"-30 SEC. DELAY-ELEVATOR "ON".
"STOP" - ELEVATOR "OFF" - 30 SEC. DELAY - CONVEYOR "OFF".

DAVID A. PEÑASCA — STATE OF NEW MEXICO — NO. 8745 — REGISTERED PROFESSIONAL ENGINEER — ENGINEER

STATE OF NEW MEXICO — RONALD L. PETERS NO. 788 — REGISTERED ARCHITECT — ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. NO. 3582

PROJECT NO.	DATE
8525-23.01	SEPT. 1988

POWER PLAN

DRAWING NO. **E2.0** SHEET OF

PHASE ONE

File No. Z-1449-1

I certify that this Site Development Plan is in accordance with the Environmental Planning Comission's Decision of March 6, 1986 and May 15, 1986 and that all conditions have been met.

Richard Bowen 11/14/86
Planning Director Date

Approved as to Requirements:

Fred J Crozier 11-12-86
City Engineer / AMAFCA Date

Jon E. Estergaard 11-12-86
Water Resources Date

Jane M. Stark 11-12-86
Parks and Recreation Date

Ronald W. Tenney 11-18-86
Transit Date

APPROVED

PHASE TWO

File No. Z-1449-1

I CERTIFY THAT THIS SITE DEVELOPMENT PLAN IS IN ACCORDANCE WITH THE ENVIRONMENTAL PLANNING COMMISSION'S DECISION OF MARCH 6, 1986, MAY 15, 1986, AND JUNE 11, 1987, AND THAT ALL CONDITIONS HAVE BEEN MET.

Jack Cloud 10/8/87
Planning Director Date

Approved as to Requirements:

Fred J Crozier 10/5/87
City Engineer / AMAFCA Date

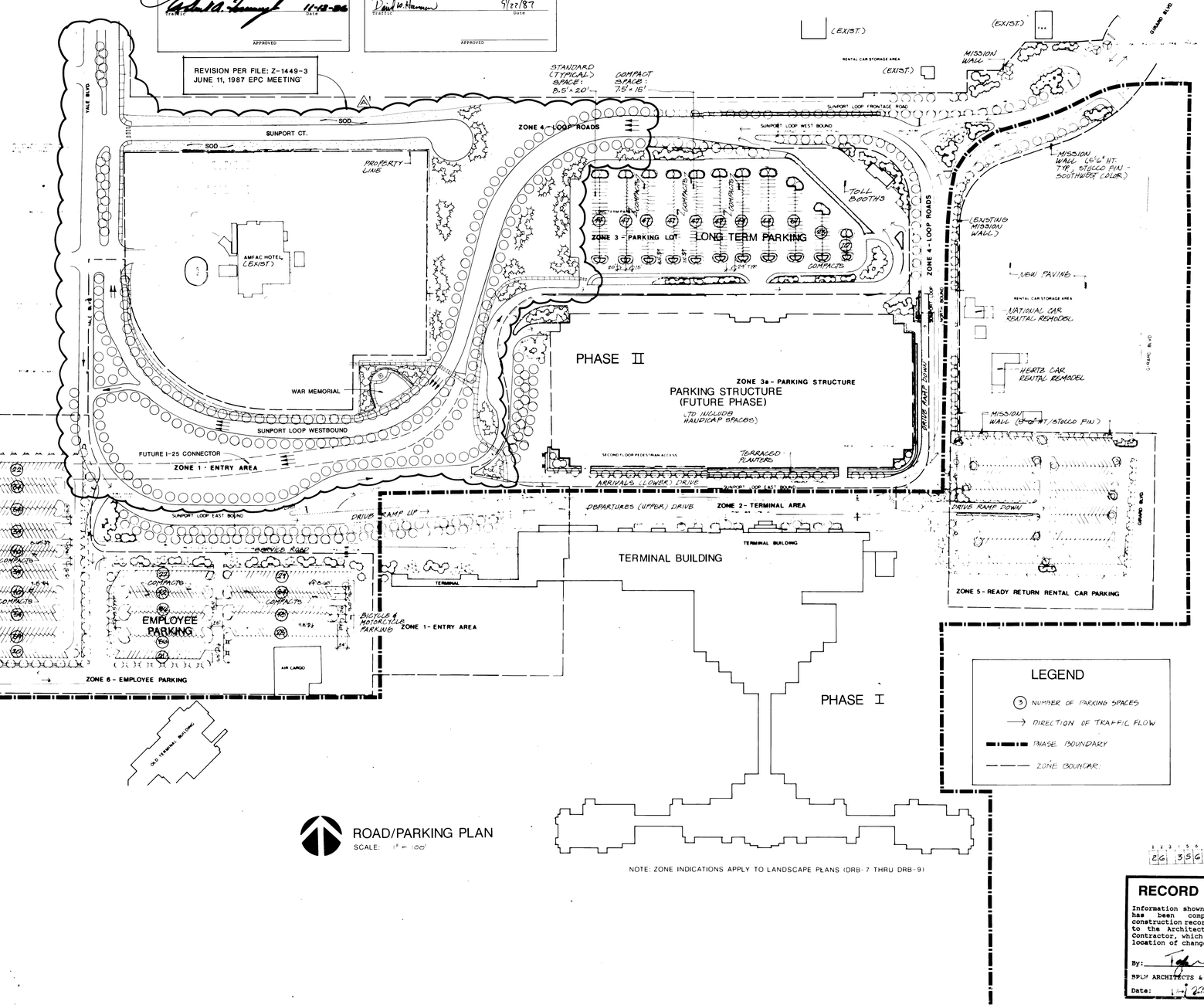
W H Stilmore 9-22-87
Water Resources Date

Janet Saiers 9-22-87
Parks and Recreation Date

David W. Herman 9/22/87
Transit Date

APPROVED

REVISION PER FILE: Z-1449-3
JUNE 11, 1987 EPC MEETING



LEGEND

(3) NUMBER OF PARKING SPACES

→ DIRECTION OF TRAFFIC FLOW

PHASE BOUNDARY

ZONE BOUNDARY

ROAD/PARKING PLAN
SCALE: 1" = 100'

NOTE: ZONE INDICATIONS APPLY TO LANDSCAPE PLANS (DRB-7 THRU DRB-9)

1 2 3 4 5 6 7 8 9 10 11 12
2G 3562179O1

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLM ARCHITECTS & ENGINEERS, INC.

Date: 1-7-88

THE BURNS PETERS GROUP
ARCHITECTS PLANNERS
2903A YALE BLVD. S.E. ALBUQUERQUE, NEW MEXICO 87106 (505) 842-9422

TRA Airport Consulting
214 Columbia
Seattle, WA
98104-1511
(206)682-1133
Telex 329298
TRA SEA

REVISION Δ2 AUGUST 20, 1987

STATE OF NEW MEXICO
RONALD L. PETERS
NO. 789
REGISTERED ARCHITECT

ARCHITECT ENGINEER

DESIGN AND CONSTRUCTION OF AIRPORT MASTER PLAN IMPROVEMENTS

ALBUQUERQUE INTERNATIONAL AIRPORT
2200 SUNPORT BLVD, SE
ALBUQUERQUE, NEW MEXICO 87106
CITY PROJECT NO. 3562

PROJECT NO. 8525-16

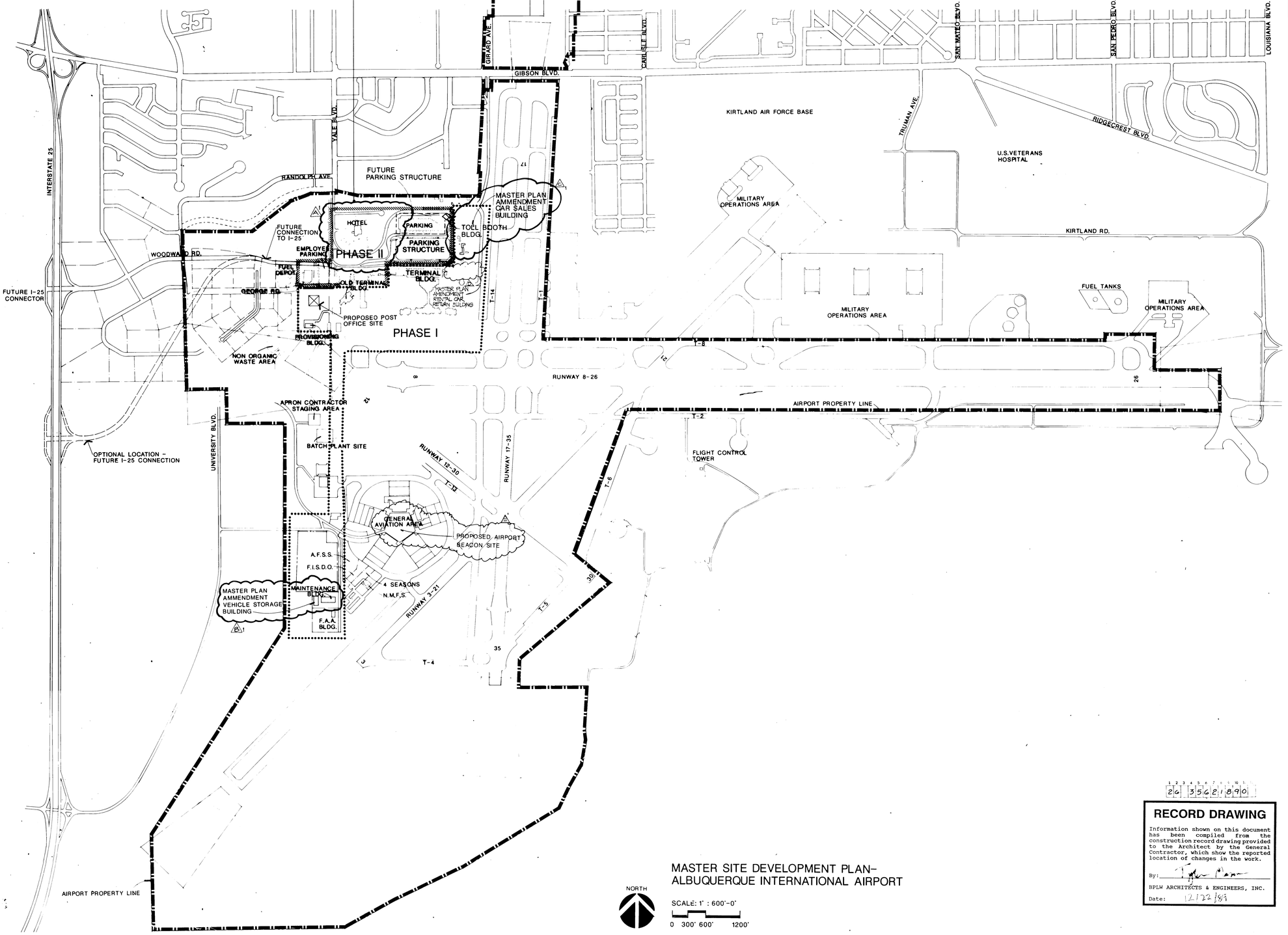
DATE MAY 20, 1987

ROAD/PARKING PLAN

DRAWING NO. EPC-1
1 OF 8

SHEET 1 OF 3

REVISION PER FILE: Z-1449-3
JUNE 11, 1987 EPC MEETING



NORTH

MASTER SITE DEVELOPMENT PLAN-
ALBUQUERQUE INTERNATIONAL AIRPORT

SCALE: 1" : 600'-0"

0 300' 600' 1200'

1 2 3 4 5 6 7 8 9 10
26 3562 1890

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: _____

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

THE BURNS, PETERS GROUP
ARCHITECTS/PLANNERS

Airport Consulting

REVISION 4 NOVEMBER 20, 1989
REVISION 3 OCTOBER 17, 1989
REVISION 2 JULY 15, 1988
REVISION 1 AUGUST 27, 1987
REVISION 0 JULY 5, 1988

ARCHITECT

ENGINEER

DESIGN AND CONSTRUCTION OF AIRPORT MASTER PLAN IMPROVEMENTS

ALBUQUERQUE INTERNATIONAL AIRPORT
2200 SUNPORT BLVD, SE
ALBUQUERQUE, NEW MEXICO 87106
CITY PROJECT NO. 3562

PROJECT NO. 8525-16

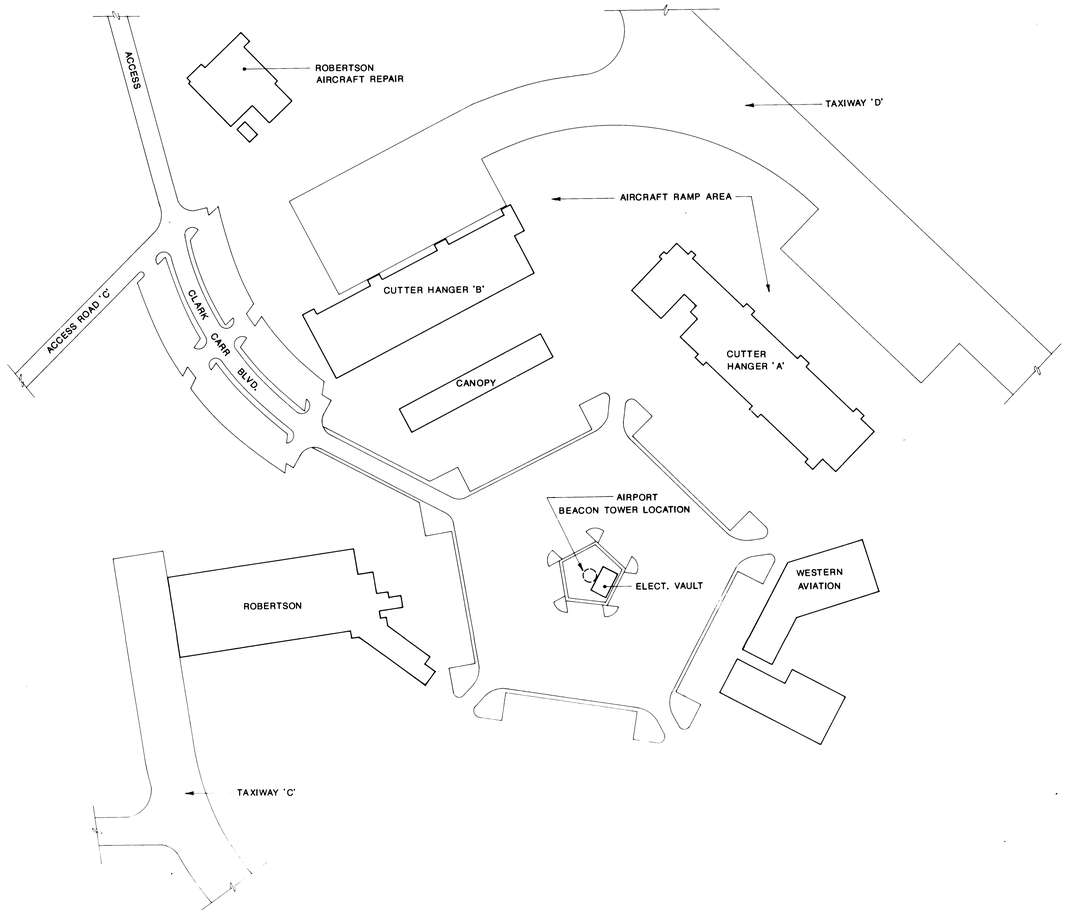
DATE MAY 20,1987

MASTER SITE DEVELOPMENT PLAN

DRAWING NO.

EPC-1

SHEET 2 OF 3



GENERAL AVIATION AREA

ALBUQUERQUE INTERNATIONAL AIRPORT

SCALE: 1" = 50'-0"

DATE: 10/26/89

NORTH

1 2 3 4 5 6 7 8 9 10 11
26 356 2 1990

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By: Taylor Mason

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12-22-89

BPLW

ARCHITECT

ARCHITECT

CITY PROJECT NO. 3562

PROJECT NO.

DATE

DRAWING NO.

EPC-1

SHEET 3 OF 3

LEGEND

E	ELECTRICAL CONDUIT
G	GAS LINE
S	SANITARY SEWER
SS	STORM SEWER
T	TELEPHONE CONDUIT
W	WATER LINE
	ELECTRICAL MANHOLE
	SEWER MANHOLE
	DROP INLET
	POWER POLE
	VALVE
	HYDRANT

FBO No 2

FBO No 3

FBO No 1

FBO No 4

ELECT VAULT

LOCATION OF BEACON TOWER

ACCESS ROAD

ANCHOR BOLT PROVIDED BY BEACON MFR.

3/4"ø (POWER)

1 1/2"ø (CONTROL)

#3 TIES SPACED AS SHOWN

(12) #6 VERT. EQUALLY SPACED

2'-2"

FIGURE 5. TUBULAR STEEL BEACON TOWER

SITE PLAN

RECORD DRAWING

Information shown on this document has been compiled from the construction record drawing provided to the Architect by the General Contractor, which show the reported location of changes in the work.

By:

BPLW ARCHITECTS & ENGINEERS, INC.

Date: 12/22/89

1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 5 6 2 2 0 9 0

BPLW

Designing in Light Architecture

LOCATION MAP

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 1914 JOSEPH D. LONG, JR.

ENGINEER

STATE OF NEW MEXICO RONALD L. PETERS NO. 788 REGISTERED ARCHITECT

ARCHITECT

VEHICLE STORAGE BUILDING
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE, NEW MEXICO

CITY PROJ. No. 3562

PROJECT NO. 8525-23.01

DATE MAY 15, 1989

BEACON TOWER

BT-1

SHEET OF