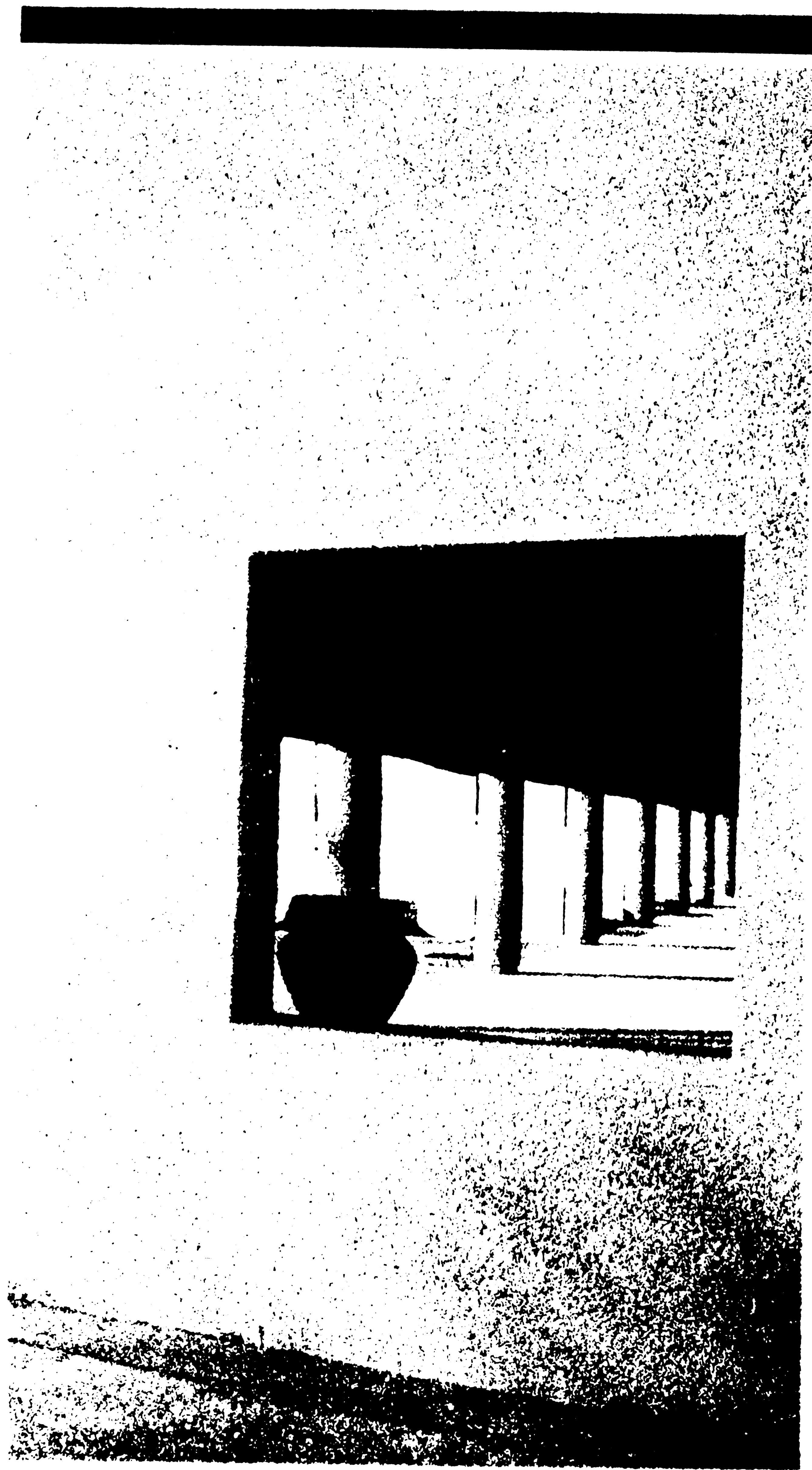




Maintenance Facility
Project No. 8525-23

Design and Construction of
Airport Master Plan Improvements

The Burns/Peters Group, PA
Charles M. Otero, Project Manager
Greiner Engineering Sciences, Inc.

Vincent A. Meyer, PE
Richard G. Brown, PE
Ruehle Engineering

Architects

Civil

Structural
Mechanical
Electrical

M-176

SCHEDULE OF DRAWINGS	
G1	GENERAL INFORMATION
S01	SURVEY
S02	SURVEY
C1	SITE PLAN - LOCATION
C2	SITE PLAN - GRADING AND DRAINAGE
C3	SITE DETAILS
L1	SITE PLAN - LANDSCAPE
L2	SITE PLAN - IRRIGATION
S1	FOUNDATION PLAN
S2	INTERMEDIATE FRAMING PLAN
S3	ROOF FRAMING PLAN
S4	FOUNDATION DETAILS
S5	FRAMING DETAILS
A2.1	FLOOR PLAN AND SCHEDULES
A2.2	REFLECTED CEILING PLAN
A4.1	BUILDING ELEVATIONS
A4.2	BUILDING SECTIONS
A5.1	ENLARGED PLANS/INTERIOR ELEVATIONS
A6.1	BUILDING DETAILS
A9.1	DOOR AND WINDOW DETAILS
A9.2	INTERIOR DETAILS
P1	PLUMBING FLOOR PLAN
P2	PLUMBING SCHEMATICS AND DETAILS
M1	MECHANICAL FLOOR PLAN
M2	EQUIPMENT SCHEDULE AND DETAILS
U1	SITE UTILITY PLAN
U2	SITE UTILITY PLAN AND DETAILS
E1	LIGHTING PLAN
E2	POWER PLAN
E3	SCHEDULES

* CITY OWNED FIRE HYDRANTS

26 28690084

SET NO.
20

Albuquerque International Airport

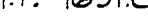
REV	SHEETS	QTY ENGR	DATE	USER DEPT	DATE	USER
APPROVAL OF REVISIONS						

PROJECT NO.		8525-23
QTY PROJECT NO.		2869
DATE	6/2/2	

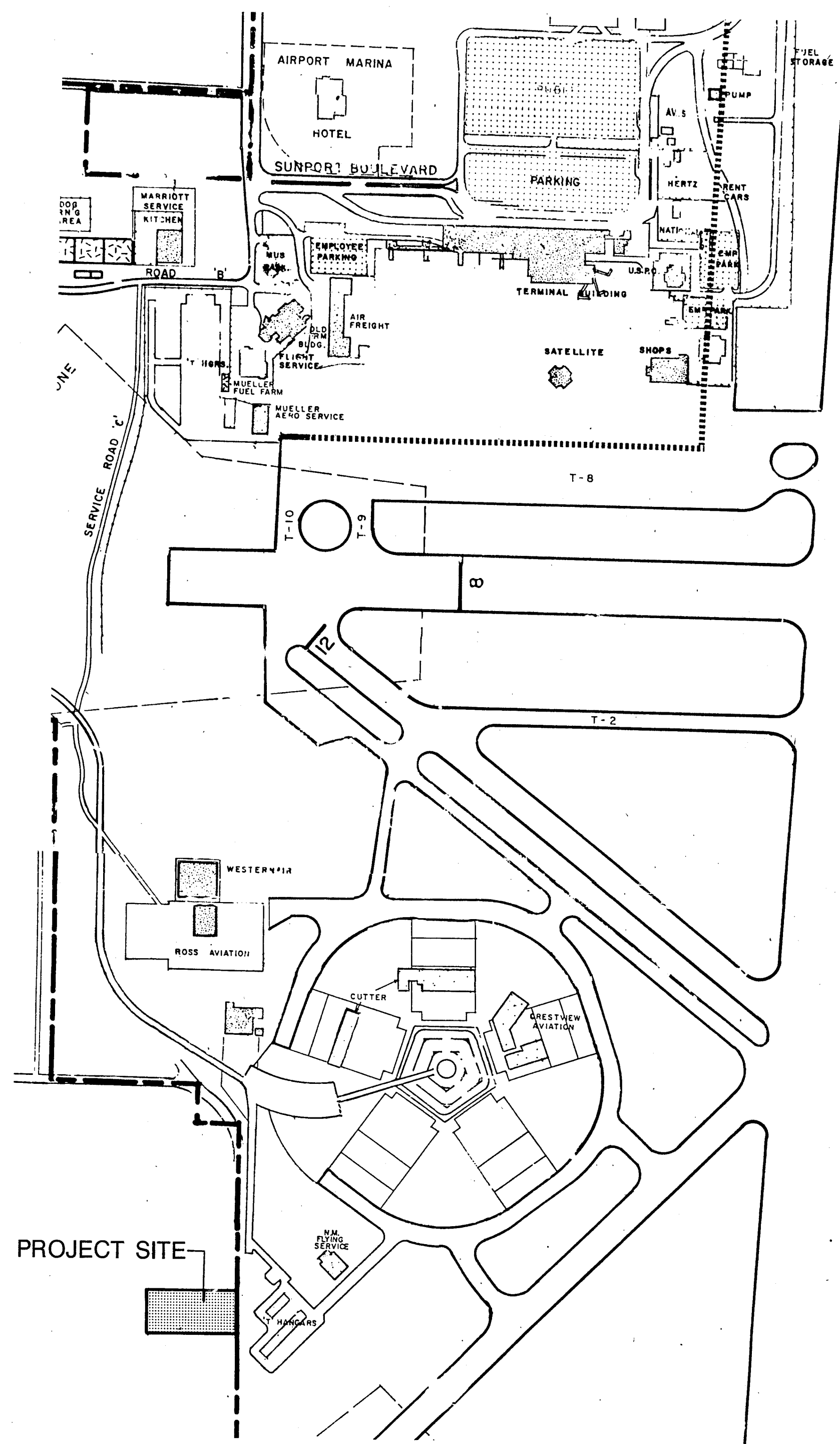
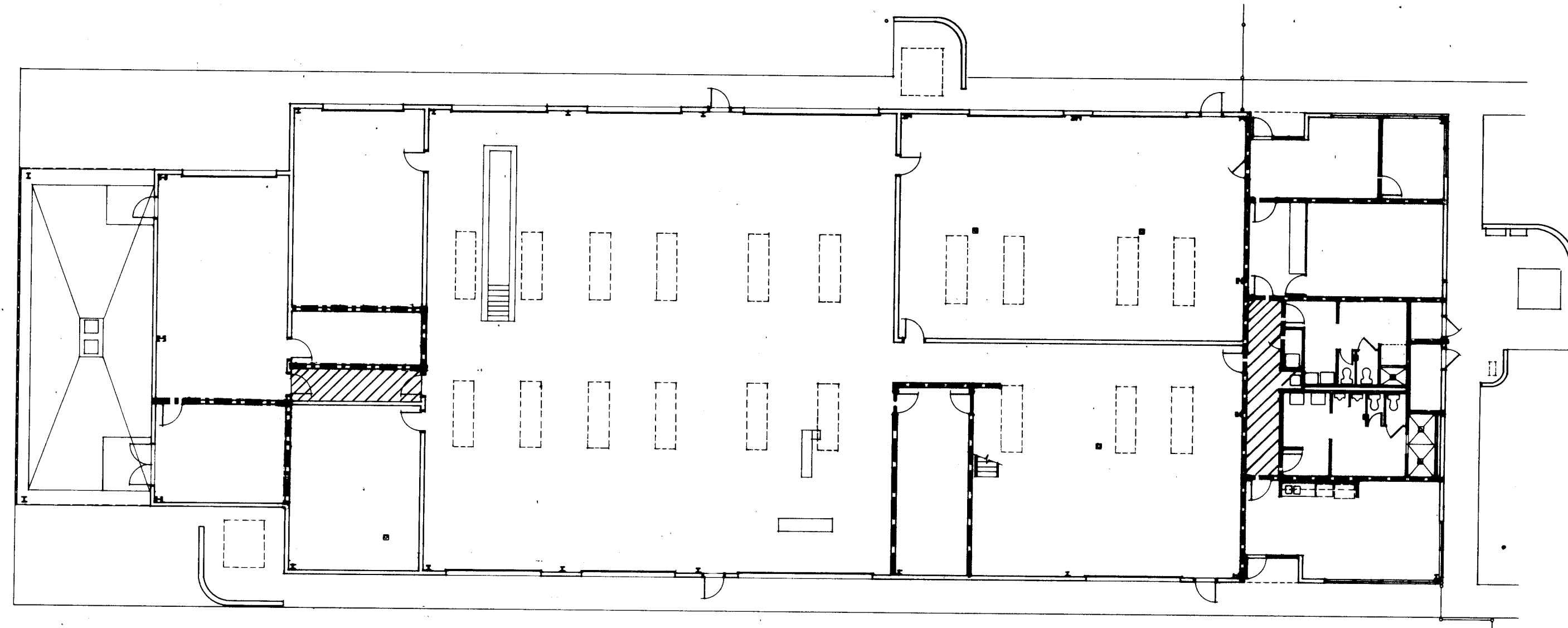
APPROVED FOR
CONSTRUCTION

CITY ENGINEER
DATE 6/2/2

	SECTION LETTER OR DETAIL NUMBER
	SECTION WHERE CUT
	SECTION LETTER
	SHEET WHERE DRAWN
	DETAIL NUMBER
	SHEET WHERE DRAWN
	ELEVATION LETTER
	SHEET WHERE DRAWN
	ROOM NUMBER
	ROOM NAME
	CEILING HEIGHT
	FINISH GROUP
	CABINET TYPE
	CABINET WIDTH IN INCHES
	DOOR NUMBER
	FRAME OR WINDOW TYPE
	EQUIPMENT OR FIXTURE NUMBER
	K PREFIX DESIGNATES KITCHEN EQUIPMENT
	KEYED NOTE

 SPOT ELEVATION
 CONTROL OR DATUM POINT
 PROPERTY LINE
 EXISTING CONTOUR
 NEW CONTOUR

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

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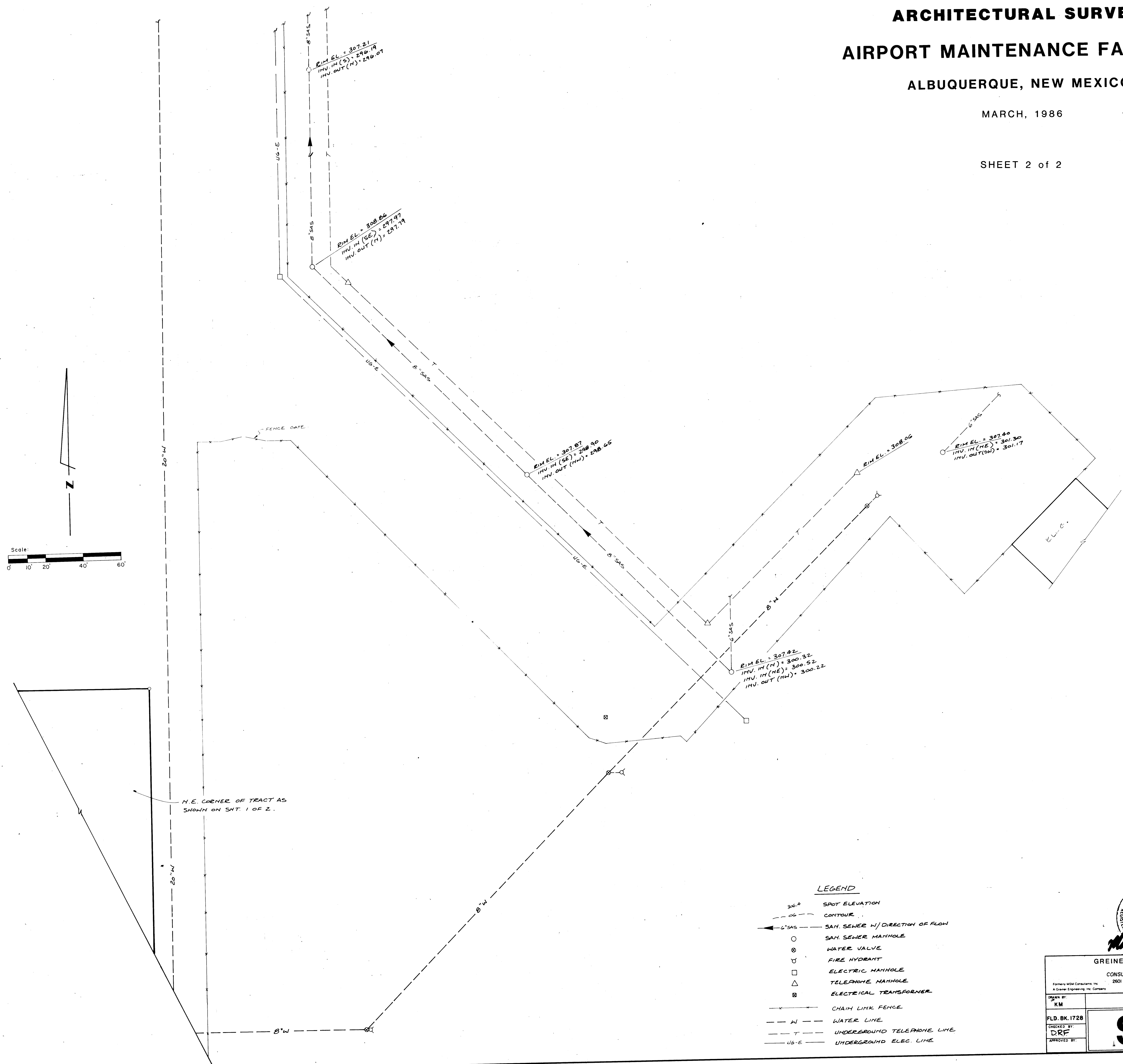
- Exit Corridor - 1 hour fire resistive construction with openings protected by Fire Assembly having 20 min. Fire Protection Rating per UBC (G) and (H)
- Hazard Separation - 2 hour fire resistive construction with openings protected by Fire Assembly having 1 1/2 hour Fire Protection Rating.
- Hazard Separation - 1 hour fire resistive construction with openings protected by Fire Assembly having 20 min. Fire Protection Rating.

REFERENCES			
City of Albuquerque Comprehensive City Zoning Code			
Uniform Building Code, 1985 Edition			
Life Safety Code (NFPA 101) 1991 Edition			
LEGAL DESCRIPTION			
See Sheet S01			
OCCUPANCY GROUP			
Repair Garage not	classified as Group 8, Division 1		H4
Office Building			H2
Paint Storage Room			H2
Sign Paint Room			
CONSTRUCTION TYPE		IIN	
FLOOR AREA			
Allowable	7,500 Sq. Ft.		
Separation All Sides	7,500		
Total	15,000 Sq. Ft.		
Actual	13,000 Sq. Ft.		
BUILDING HEIGHT			
Allowable	1 Story - 55'-0"		
Actual	1 Story - 22'-7"		
OCCUPANT LOAD			
13,000 + 100 =	130 Occupants		
REQUIRED EXITS			
Provided	2		
	8		
EXIT WIDTH			
Required	2.6		
Provided	24		
PARKING			
Required			
Support and Office	2,020 SF		
	200 SF/Space	10 Spaces	
Service Bays	11,800 SF		
	200 SF/Space	6 Spaces	
	TOTAL	16 Spaces	
4% Required for Handicapped			
Bicycle Rack for 1 Bicycle			
Standard Spaces		33	
Provided		2	
TOTAL		35 Spaces	
LANDSCAPE			
Required	7% of Paved Parking		
Provided	7% of 18,200 SF	=	1,300 SF
			2,900 SF

ARCHITECTURAL SURVEY AIRPORT MAINTENANCE FACILITY ALBUQUERQUE, NEW MEXICO

MARCH, 1986

SHEET 2 of 2



26 28690386

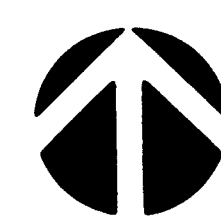
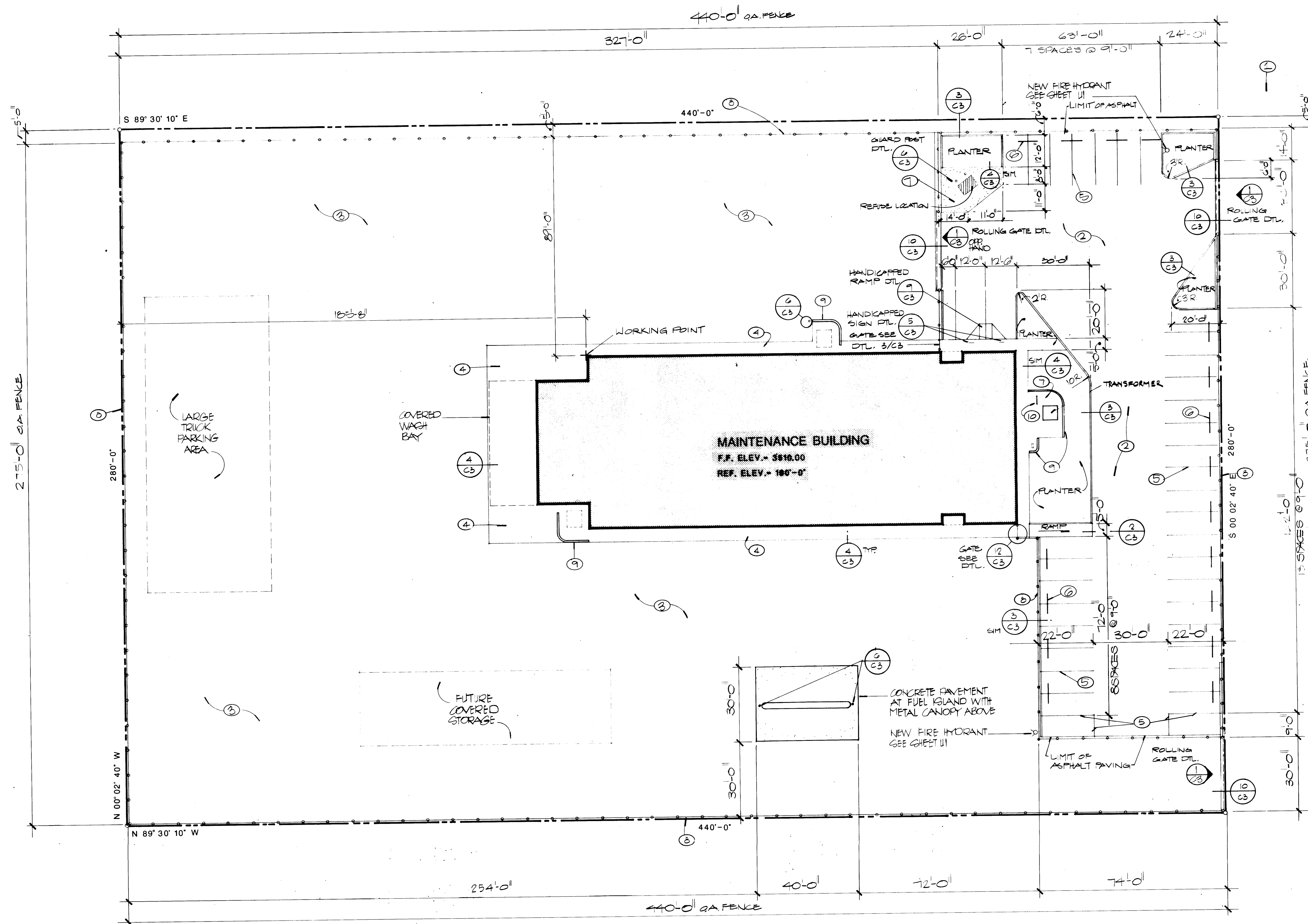
LEGEND

- SPOT ELEVATION
- CONTOUR
- SEWER W/ DIRECTION OF FLOW
- SEWER MANHOLE
- WATER VALVE
- FIRE HYDRANT
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- ELECTRICAL TRANSFORMER
- CHAIN LINK FENCE
- WATER LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND ELBC. LINE

GREINER ENGINEERING SCIENCES, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
2500 Wyoming Blvd., N.E. Albuquerque, New Mexico 87112
(505) 292-1936

SU2

FILE NO. 0690571
SCALE 1" = 20'
DATE 3-14-86
SHEET NO. 3 of 3



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

LIST OF ALTERNATES

- ALTERNATE NO. 1:
Asphalt Paving - (Keyed Note 2)
Gravel Surfacing - (Keyed Note 3)
Painted Striping - (Keyed Note 5)
Concrete Bumpers - (Keyed Note 6)
- ALTERNATE NO. 3:
Chainlink Fencing and Gates - (Keyed Note 8)
- ALTERNATE NO. 4:
Metal Canopy at Fuel Island



KEYED NOTES

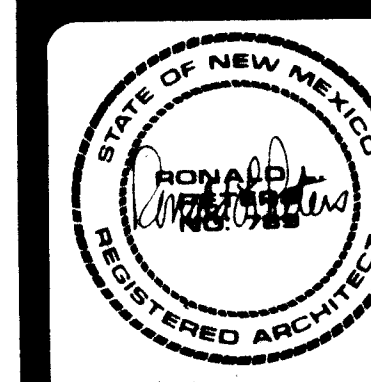
- EXISTING ROAD
- PAVED PARKING - SEE DETAIL (2) (C3)
- GRAVEL SURFACING AS SPECIFIED
- CONCRETE APRON - SEE DETAIL (4) (C3)
- PAINTED STRIPING AS SPECIFIED
- CONCRETE BUMPERS - SEE DETAIL (6) (C3)
- 6" CONCRETE WITH 6 x 6, W1.4 x W1.4 WWF
- CHAINLINK FENCE - SEE DETAIL (8) (C3)
- CMU SCREEN - SEE SHEET A4.1
- BICYCLE RACK SEE DETAIL (10) (C3)

GENERAL NOTES

- A. BUILDING IS LOCATED ACCORDING TO WORKING POINT AT NW BUILDING CORNER.
- B. BUILDING IS PARALLEL TO NORTH AND SOUTH PROPERTY LINES

26 28690 486

CITY PROJECT NO. 2869



AIRPORT MAINTENANCE FACILITY
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE NEW MEXICO

85-25-23

MAY 1986

C1
SHEET 4 OF 30

GENERAL NOTES

- LEGAL - See Architectural Survey for Airport Maintenance Facility, Dated: March, 1986.
- BENCH MARK - Sta. 1-N16, Established by ACS. Station is a standard C.O.A. brass cap set in concrete monument stamped, "1-N16" and projecting 0.1 ft. aboveground. EL = 5309.120.
- The Maintenance Facility is not located within a flood hazard area. See FIRM Panel Number 350002-0041-C, Sheet #1 of 50.
- 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.
- Bob Gill is also to provide detailed paved access road details. The paved access road will be used to service the Maintenance Facility Building area.
- All ponds shall be graded with a 3:1 back slope (min.).

LEGEND

- EXISTING
- 0.0 — CONTOUR
 - 307.6 SPOT ELEVATION
 - CHAIN LINK FENCE
- PROPOSED
- GRADING LIMITS
 - BACK SLOPE
 - 9.2 FINISH ELEVATION
 - DRAINAGE SWALE
 - DRAINAGE DIRECTION
 - CHAIN LINK FENCE
 - WATER BLOCK
 - VEHICLE PARKING
 - LANDSCAPED MEDIAN
 - DRAINAGE BASIN
 - BERM
 - PROPERTY LINE



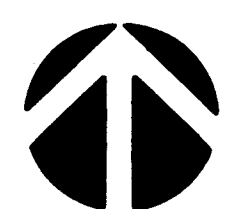
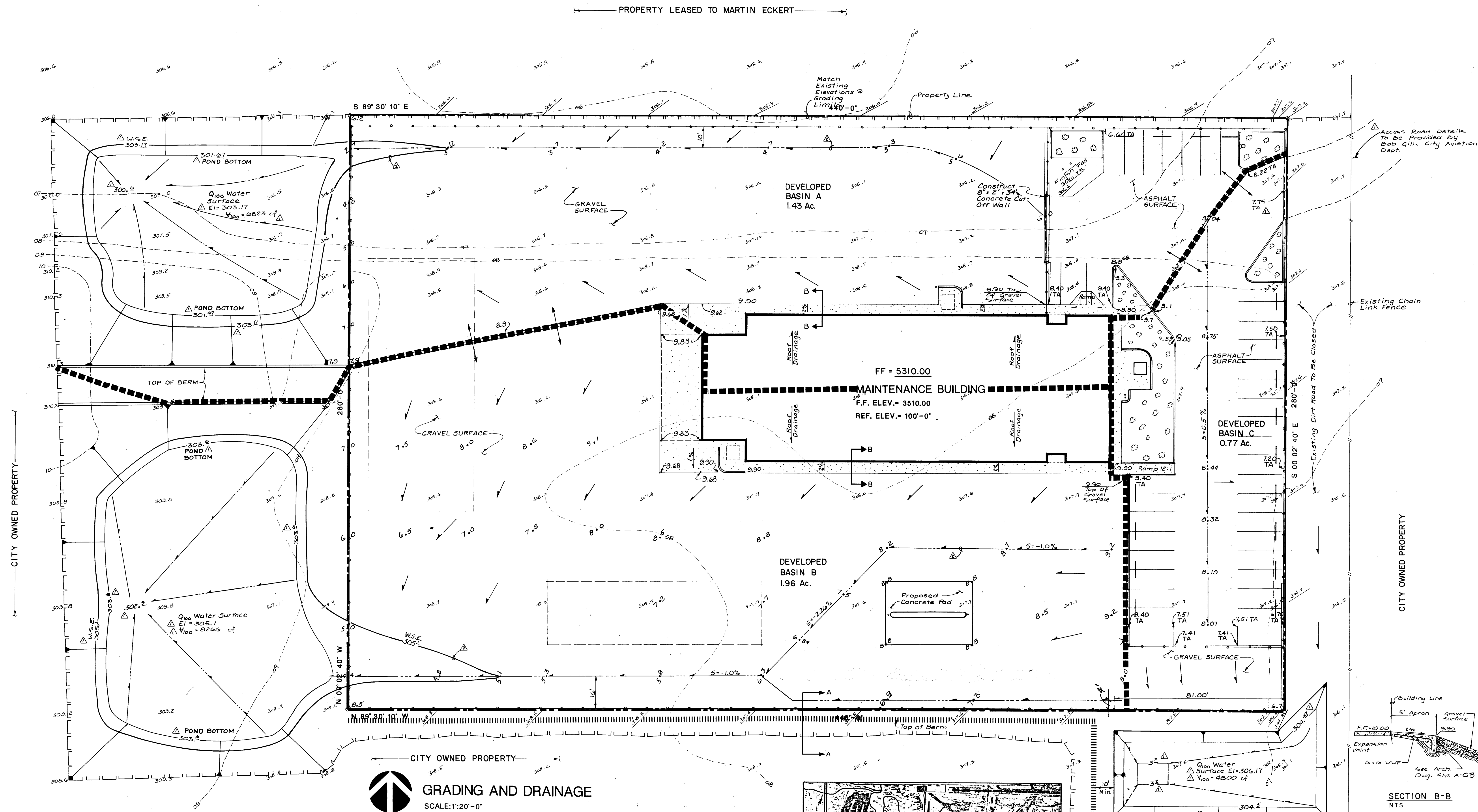
AIRPORT MAINTENANCE FACILITY
ALBUQUERQUE INTERNATIONAL
AIRPORT
ALBUQUERQUE NEW MEXICO

85-25-23

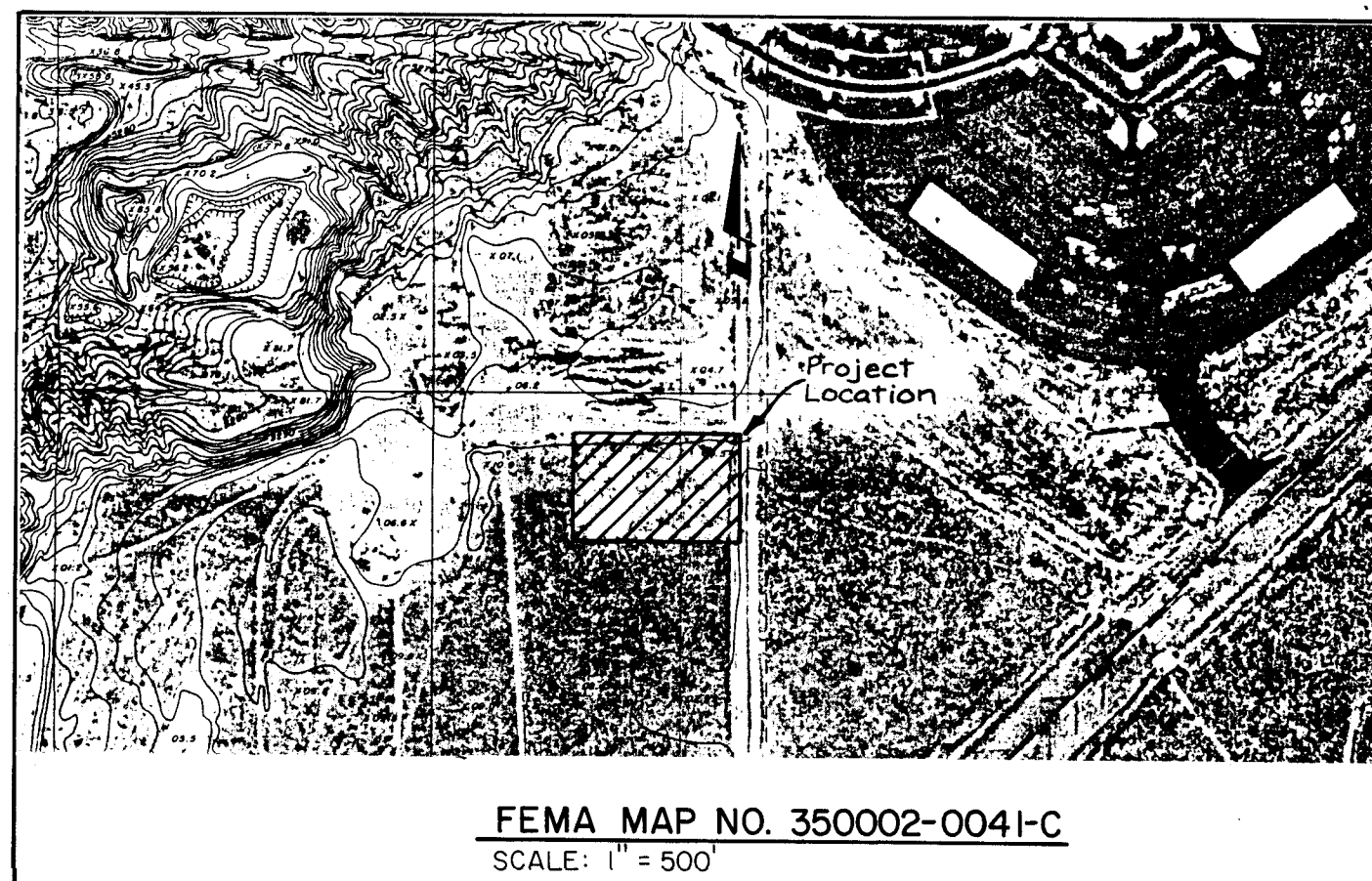
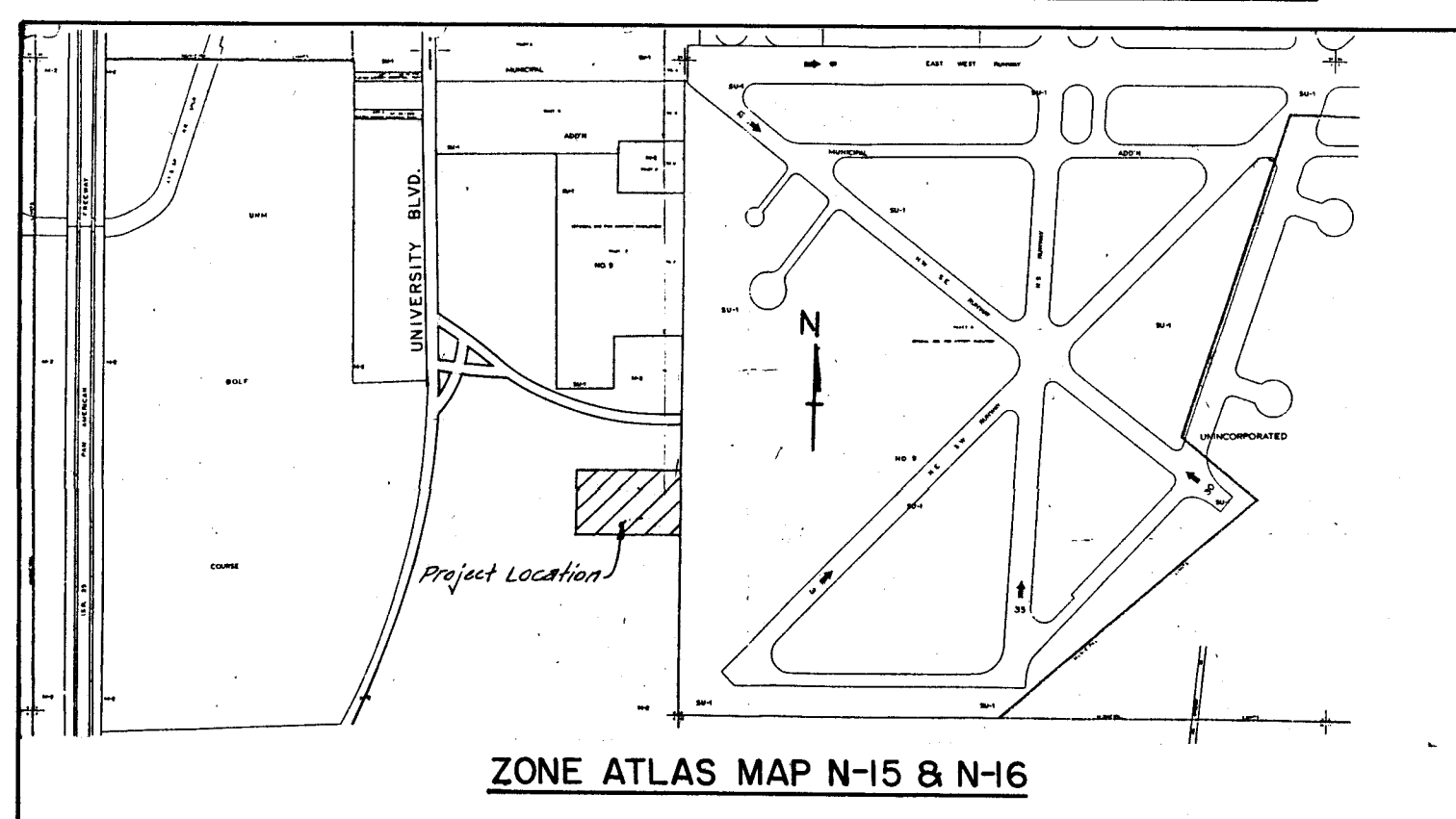
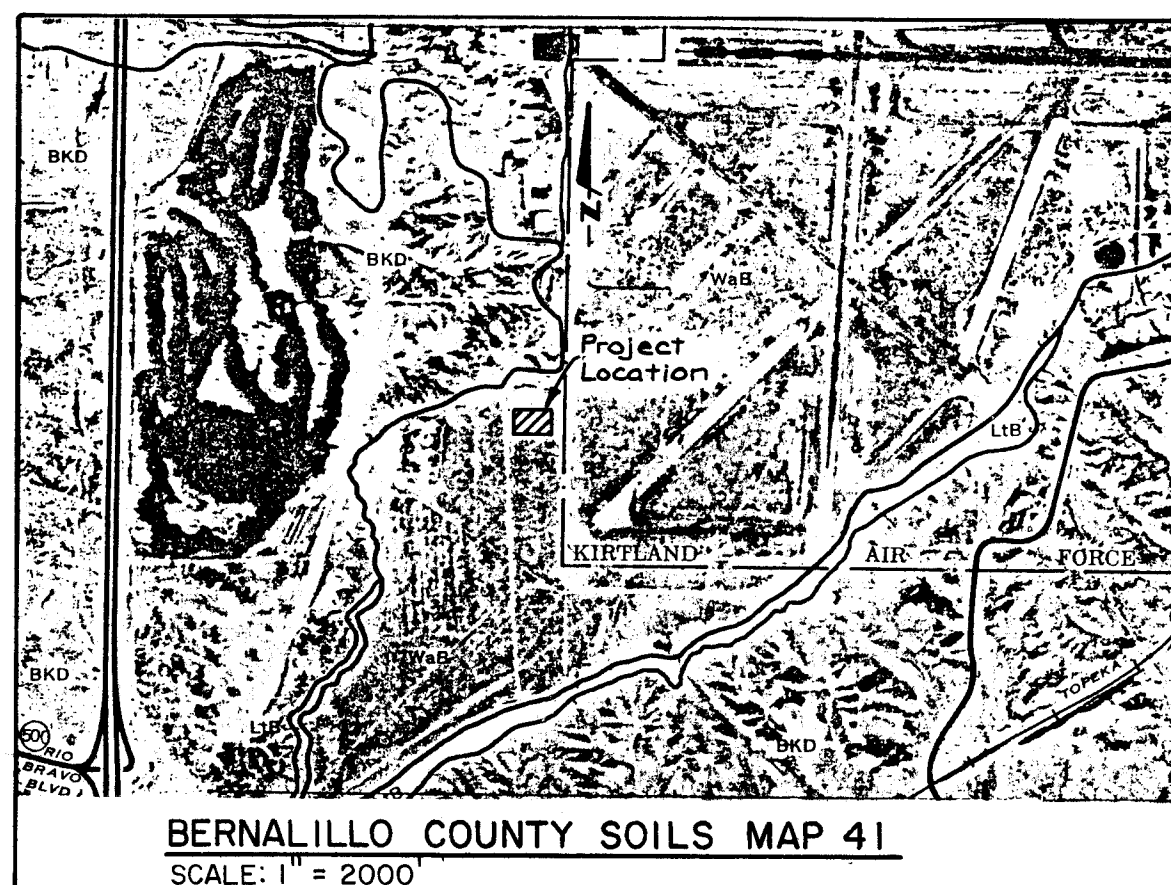
MAY 1986

C2
SHEET 5 OF 30

CITY PROJECT NO. 2888



GRADING AND DRAINAGE SCALE: 1"=20'-0"



GREINER JOB NO.:
0690570

DESIGNED BY: *[Signature]*
DRAWN BY: *[Signature]*

4-22-86 Revisions Per Roger Green, Letter, Dated 4-14-86
5-14-86 Revisions Per DRC, Dated 5-13-86
5-22-86 Revisions To Erosion Control

△ DRAINAGE CALCULATIONS

Lot Size = 2,820 acres within fenced areas
Area out of fenced property = 1,332 acres
Total Site: 2,808 + 1,332 = 4,140 acres
Soils Type: Hydrolite Group B
 $Q_{100} = 5 \text{ Hr. Storm Rainfall} \times 2.35" \text{ per Plate 22.2 D1}$

Note: Developed drainage runoff concerning this project (4,140 Acres) shall be retained within 3 designed drainage basins. See General Note #, this sheet.

RUNOFF CURVE: Asphalt Surface = 98
NUMBER: Gravel Surface = 85
Roof Surface = 98
Undeveloped Surface = 70

Note: Runoff Curve Number (CN) taken from Plate 22.2 C-2

DRAINAGE BASIN AREA	BASIN A	BASIN B	BASIN C	TOTALS
Asphalt	0.17	0	0.36	0.53
Gravel	0.71	1.20	0.06	1.97
Roof	0.16	0.22	0	0.38
Undeveloped	0.39	0.54	0.35	1.28
Total Acres	1.43	1.96	0.77	4.16 Ac

DRAINAGE RUNOFF	CN	DIRECT RUNOFF S
Asphalt	98	2.20
Gravel	85	1.10
Roof	98	2.20
Undeveloped	70	0.40

Note: Drainage Runoff taken from Plate 22.2 C-4

△ DRAINAGE BASIN A POND

Area of ponding area by Planimeter
(18,320' x 20') = (22,120' x 20') x 0.83 deep = 6,823 Cu.Ft.
Storage Capacity
2

6,823 Cu.Ft. x 43,560 = 0.157 Ac.Ft.
Therefore, 725 Cu.Ft. or 0.017 Ac.Ft. minimum, extra ponding storage capacity.

△ DRAINAGE BASIN B POND

Area of ponding area by Planimeter
(50,000' x 20') = (13,120' x 20') x 0.63 deep = 8,266 Cu.Ft.
Storage Capacity
2

8,266 Cu.Ft. x 43,560 = 0.19 Ac.Ft.
Therefore, 861 Cu.Ft. or 0.020 Ac.Ft. minimum, extra ponding storage capacity.

△ DRAINAGE BASIN C POND

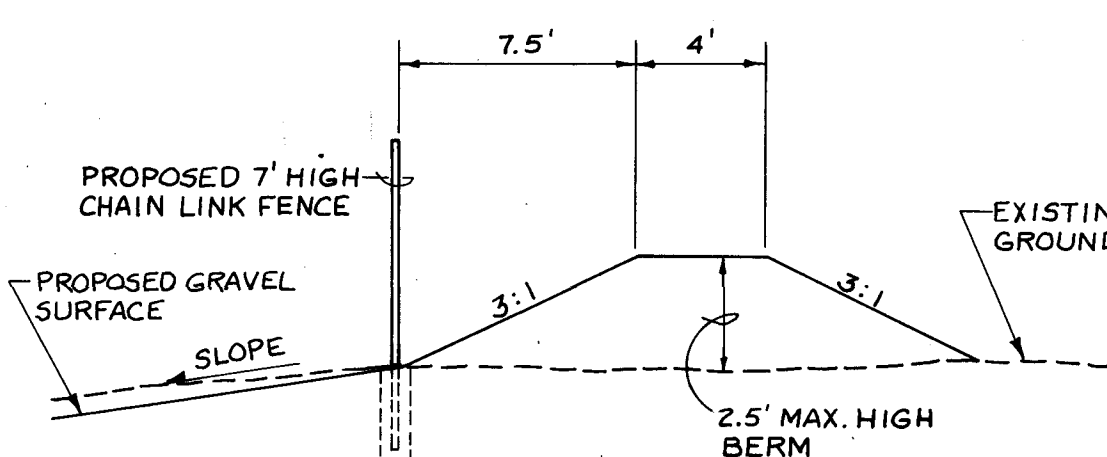
Area of ponding area by Planimeter
(17,120' x 20') = (10,120' x 20') x 1.33 deep = 4,800 Cu.Ft.
Storage Capacity
2

4,800 Cu.Ft. x 43,560 = 0.11 Ac.Ft.
Therefore, 880 Cu.Ft. or 0.020 Ac.Ft. minimum, extra ponding storage capacity.

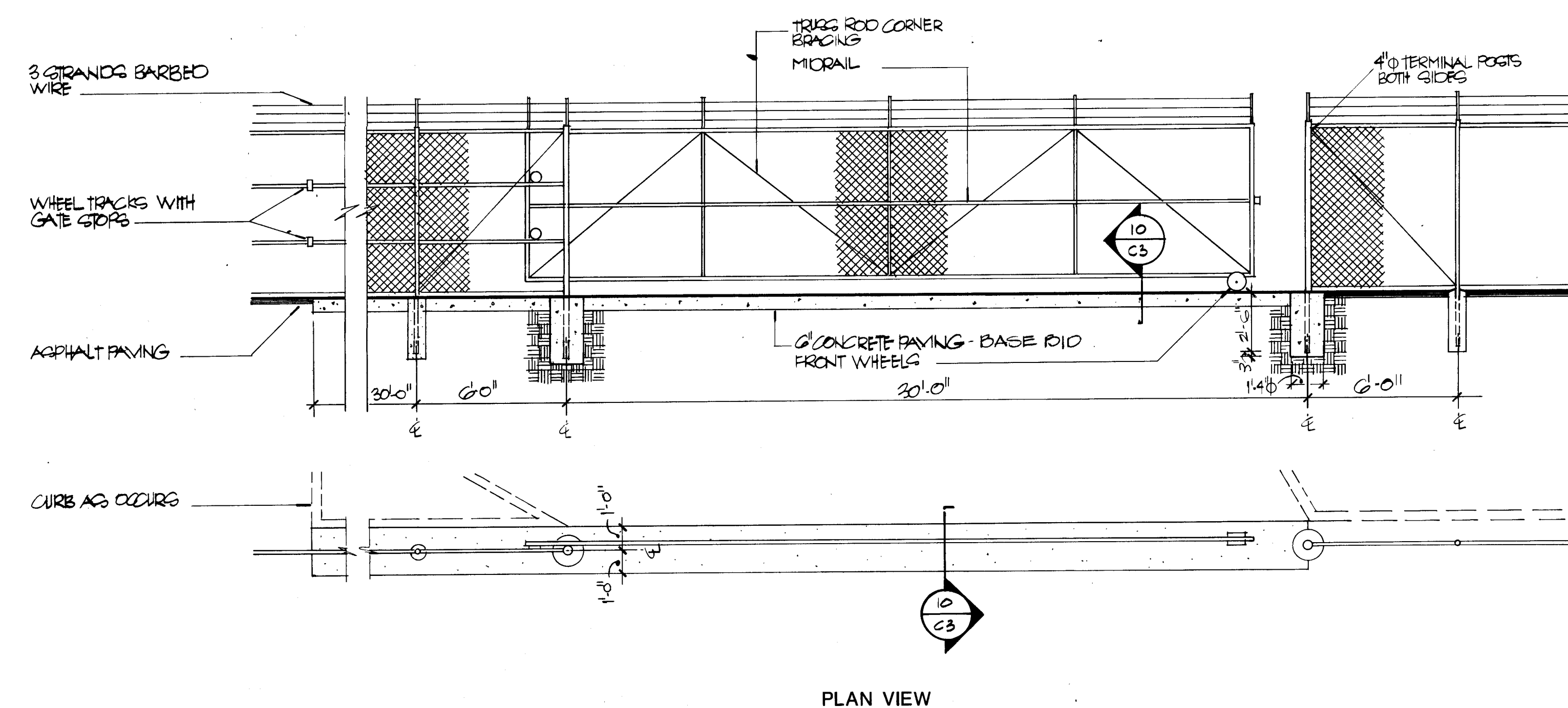
MINIMUM PONDING REQUIREMENTS	BASIN A	BASIN B	BASIN C
Asphalt	$\frac{1}{2} \times .17 = .03$	0	$\frac{1}{2} \times .36 = .07$
Gravel	$\frac{1}{2} \times .71 = 0.7$	$\frac{1}{2} \times 1.2 = .11$	$\frac{1}{2} \times .06 = .03$
Roof	$\frac{1}{2} \times .16 = .03$	$\frac{1}{2} \times .22 = .04$	0
Undeveloped	$\frac{1}{2} \times .39 = .01$	$\frac{1}{2} \times .54 = .02$	$\frac{1}{2} \times .35 = .01$
Total Ac. Ft.	0.14	0.17	0.09

△ EROSION CONTROL PLAN

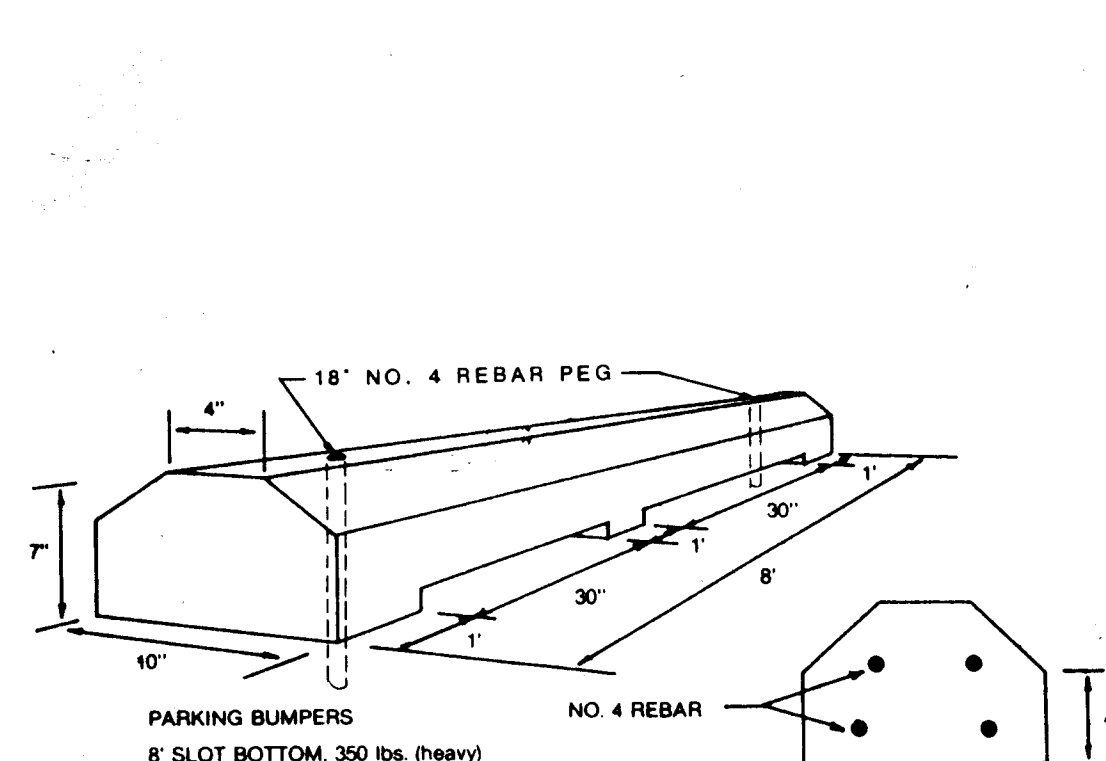
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- SEE NATIVE GRADE SEEDING SPECIFICATION UNDER SECTION: 02420



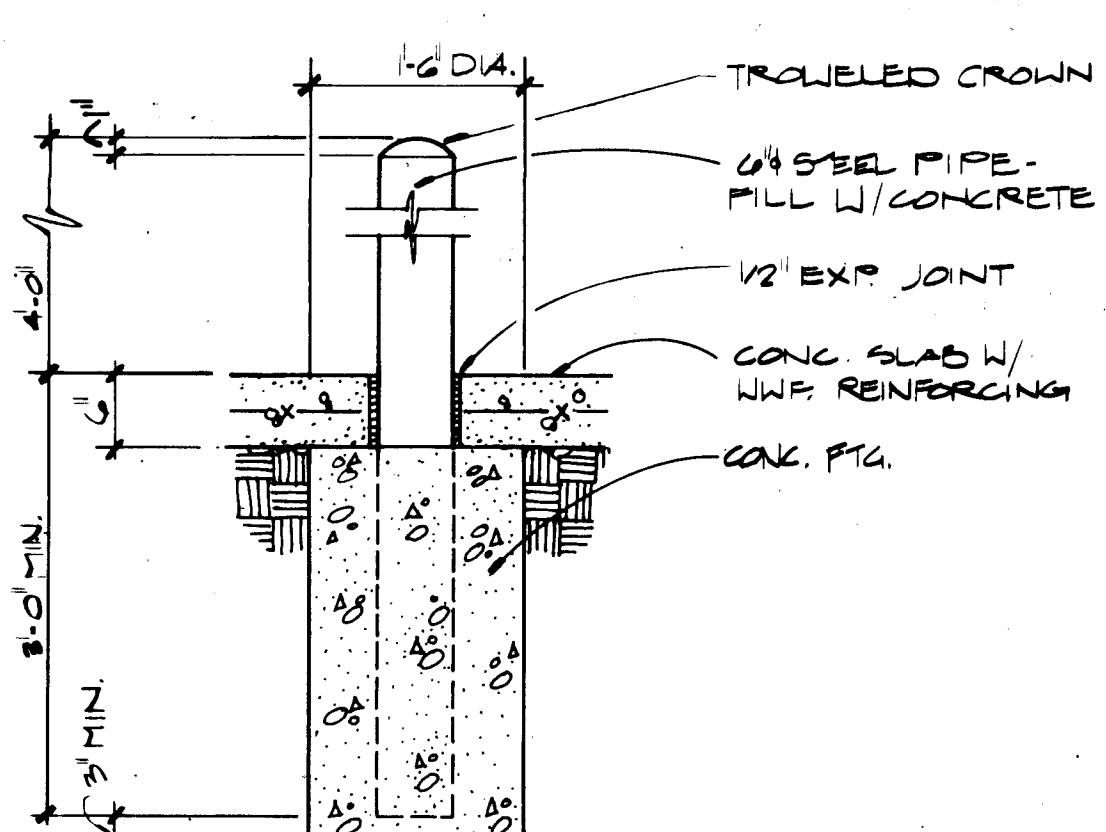
SECTION A-A
NTS



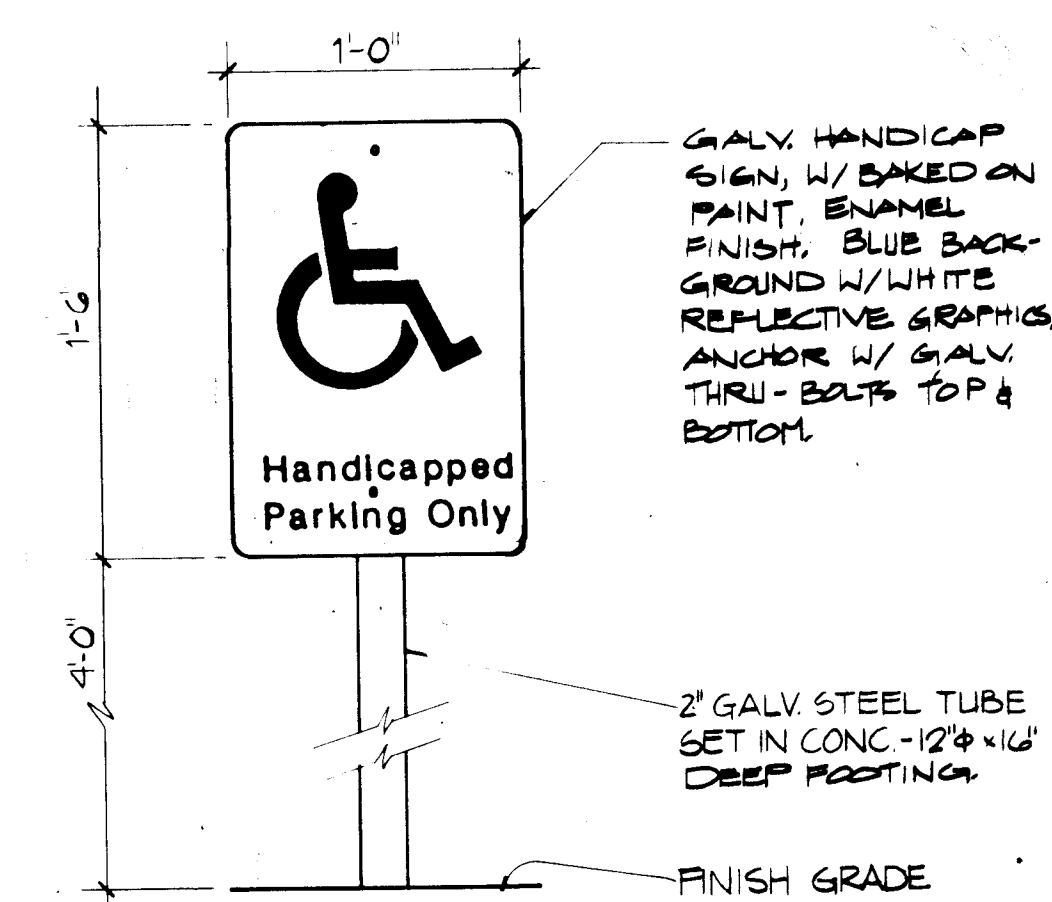
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C1 ROLLING GATE (ALTERNATE NO. 3)
SCALE: 1/4"=1'-0"



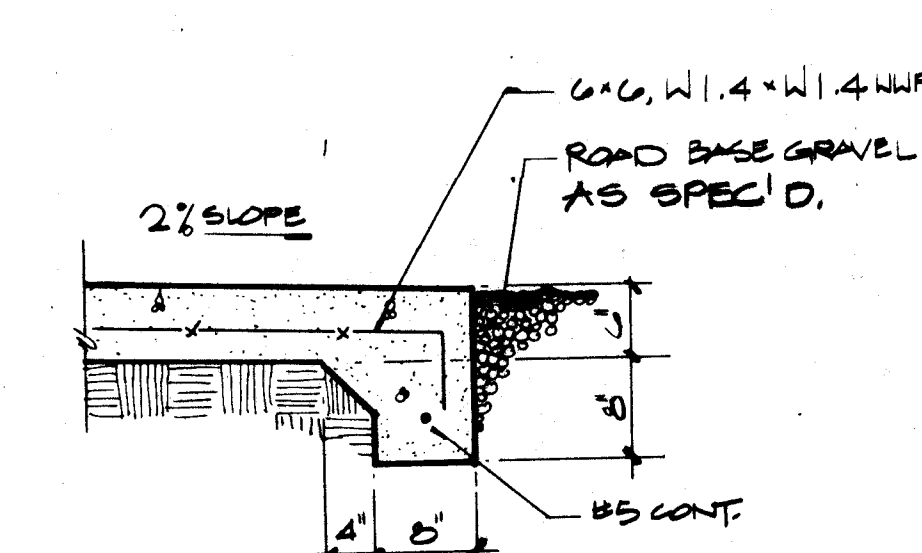
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C1 PARKING BUMPER DETAILS
NTS. (ALTERNATE NO. 1)



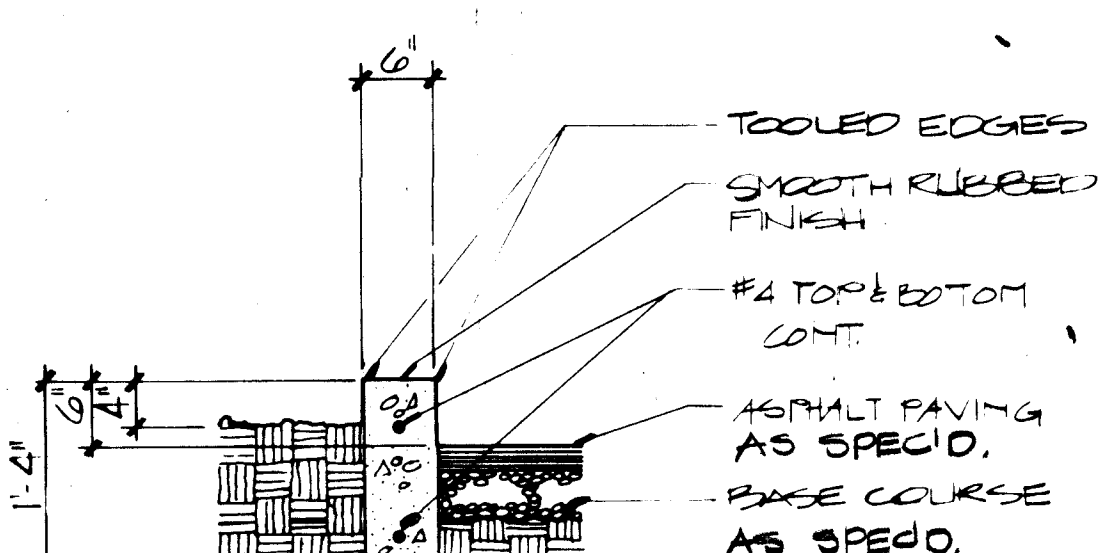
6
C1 GUARD POST
SCALE: 3/4"=1'-0"



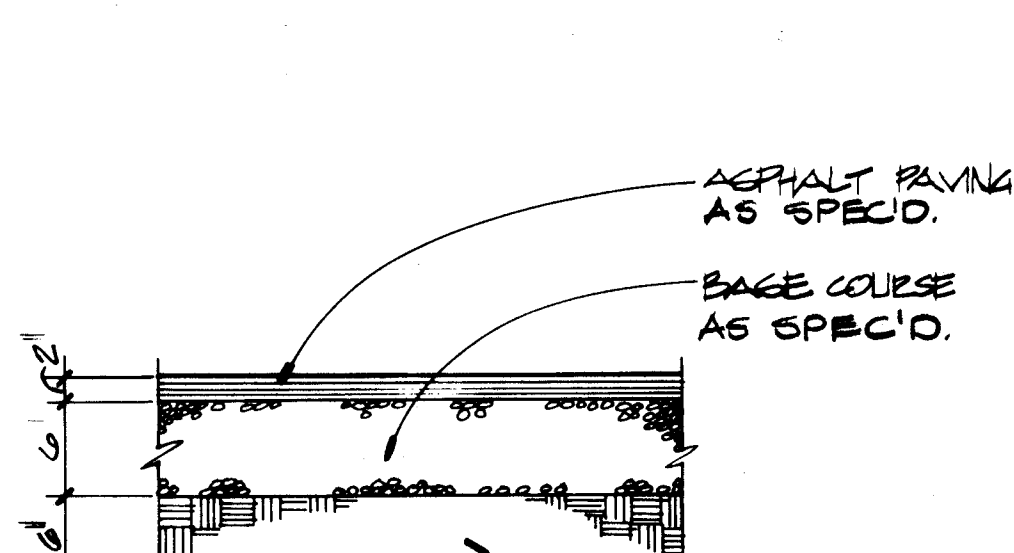
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C1 H.C. PARKING SIGN
SCALE: 1/2"=1'-0"



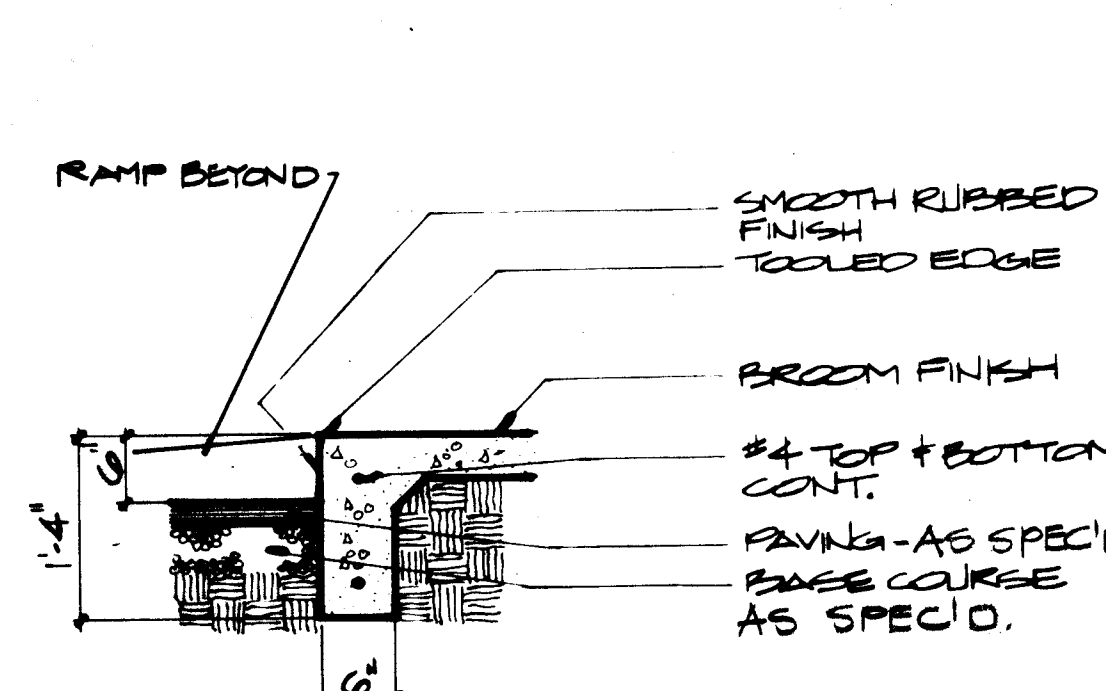
4
C1 SLAB EDGE
SCALE: 3/4"=1'-0"



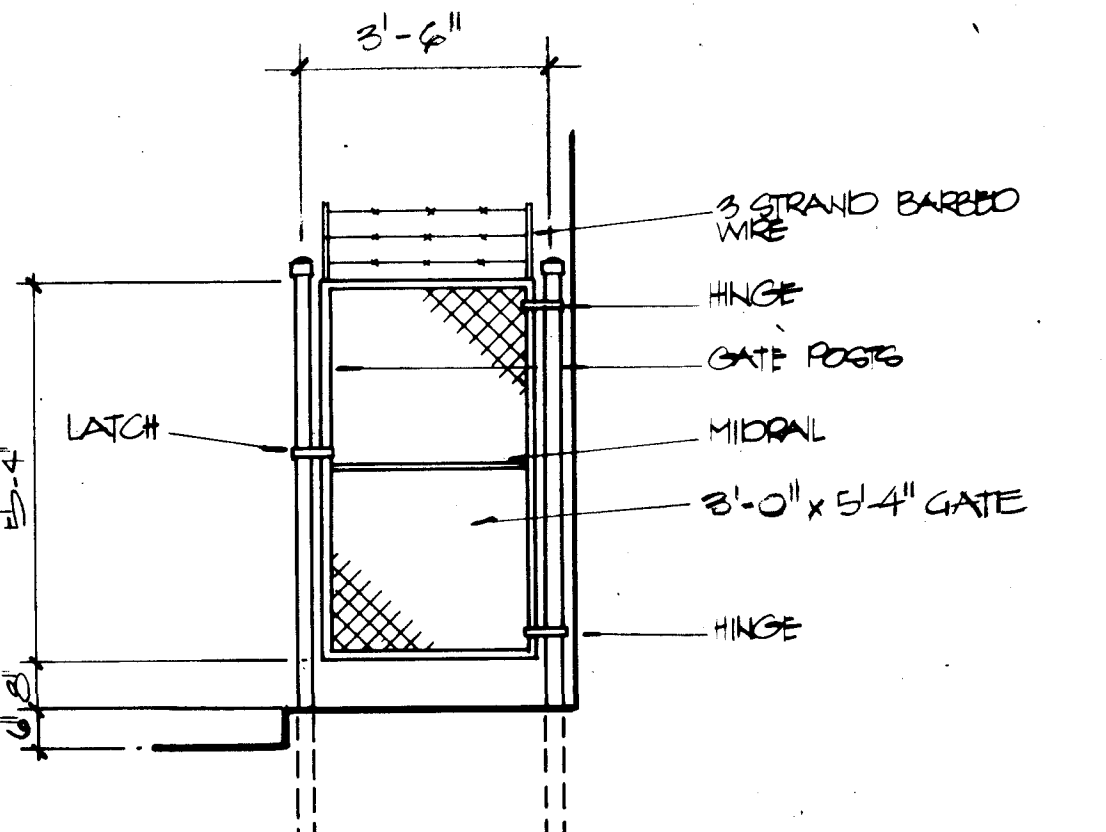
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C1 CURB
SCALE: 3/4"=1'-0"



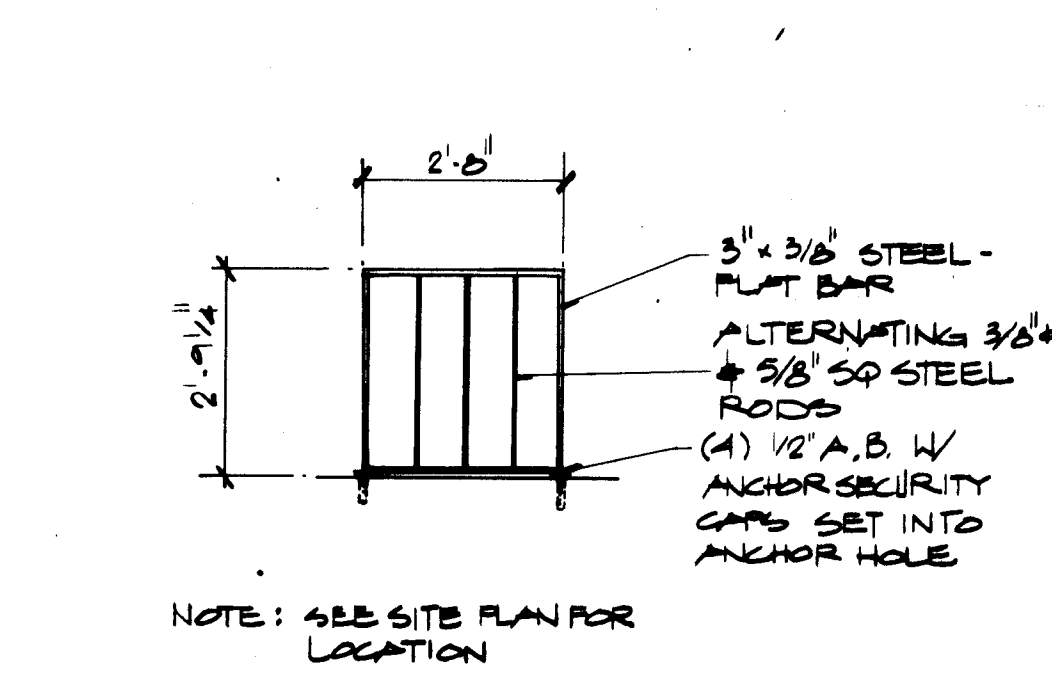
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C1 PAVING SECTION (ALTERNATE NO. 1)
SCALE: 3/4"=1'-0"



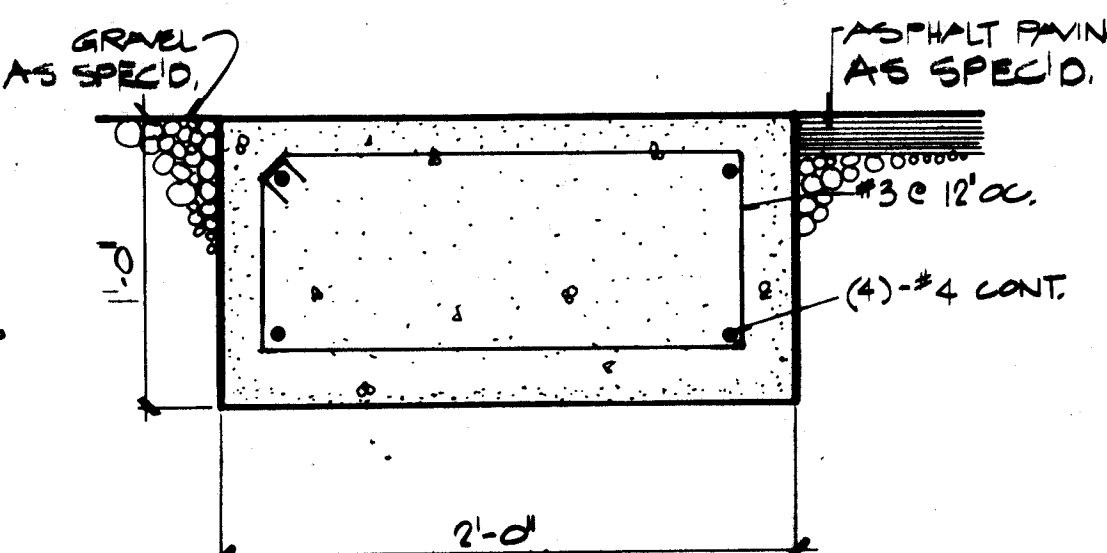
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C1 CURB/WALK
SCALE: 3/4"=1'-0"



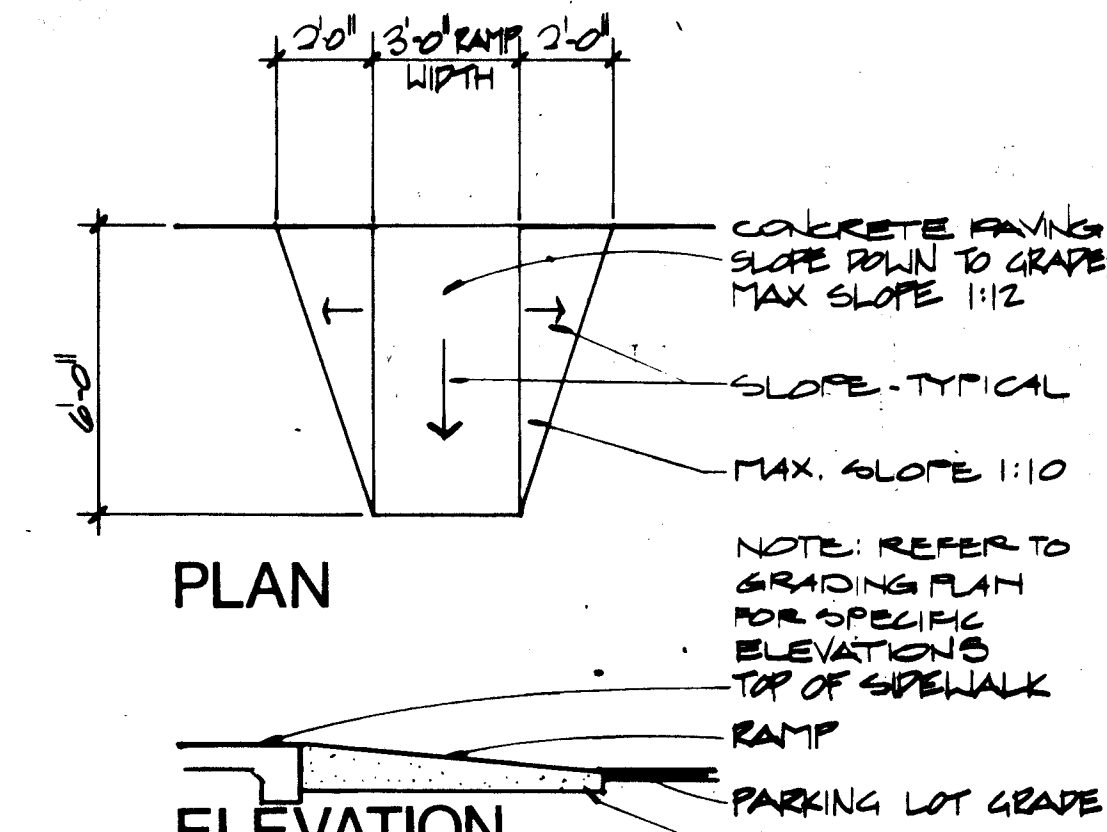
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C1 CHAINLINK GATE (ALTERNATE NO. 3)
SCALE: 3/8"=1'-0"



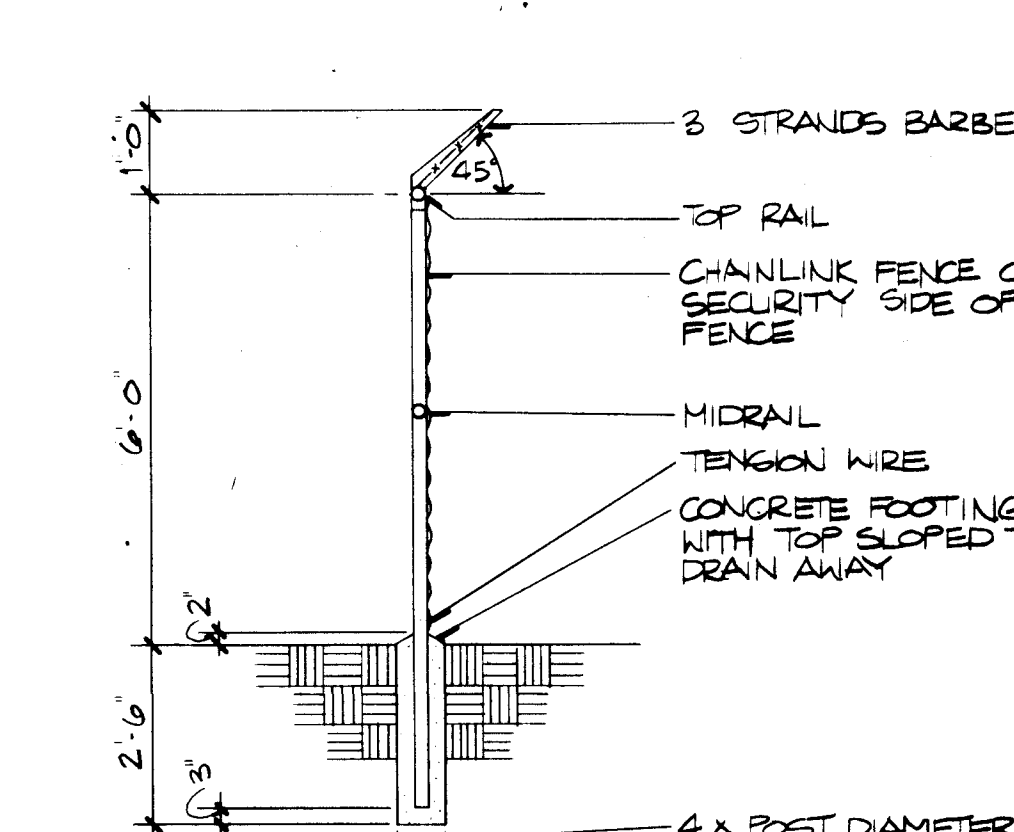
11
C1 BICYCLE RACK
SCALE: 3/8"=1'-0"



10
C1 REINFORCED SLAB-BASE BID
SCALE: 1/2"=1'-0"



9
C1 BUILT-UP CURB RAMP
SCALE: 1/4"=1'-0"



8
C1 FENCE POST (ALTERNATE NO. 3)
SCALE: 3/8"=1'-0"

THE BURNS/PETERS GROUP
ARCHITECTS/PLANNERS
2000 PENNSYLVANIA AVENUE N.E. ALBUQUERQUE, NM 87102 (505) 263-2645

1 2 3 4 5 6 7 8 9 10 11 12
26 28 69 106 86

CITY PROJECT NO. 2869

AIRPORT MAINTENANCE FACILITY
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE NEW MEXICO

85-25-23 MAY 1995

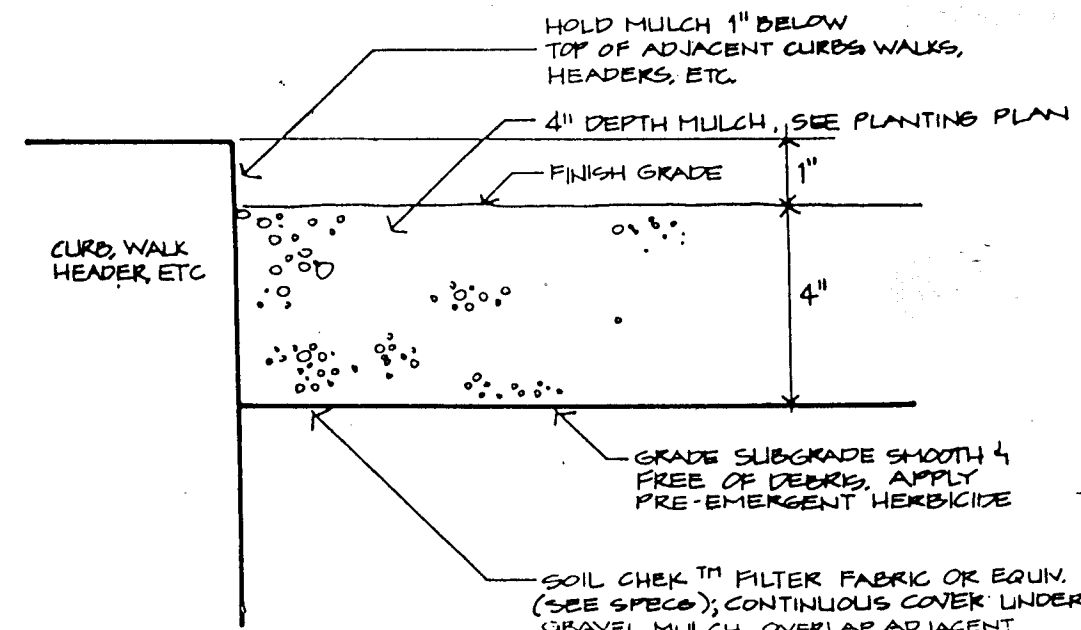
C3
SHEET 6 OF 30

		TB		TB
	SP		SP	
L1			L1	

NORTH

SITE PLAN – LANDSCAPE

SCALE : 1" = 20'

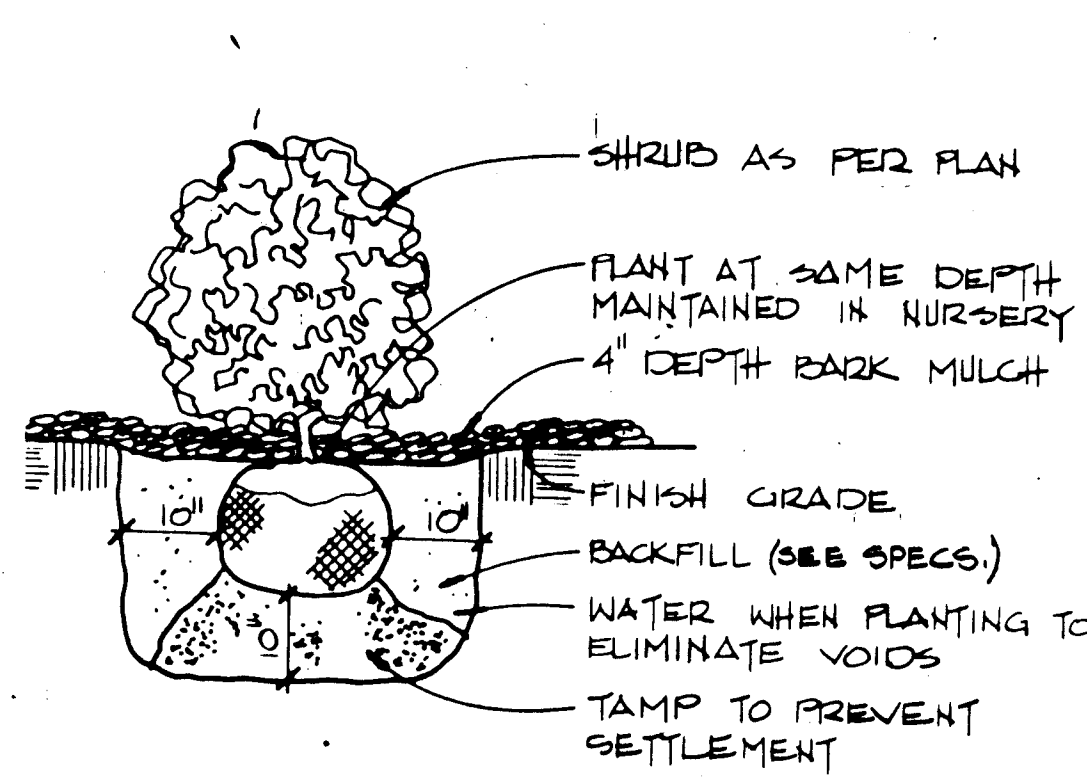


3

L1

MULCH INSTALLATION

N.T.S.

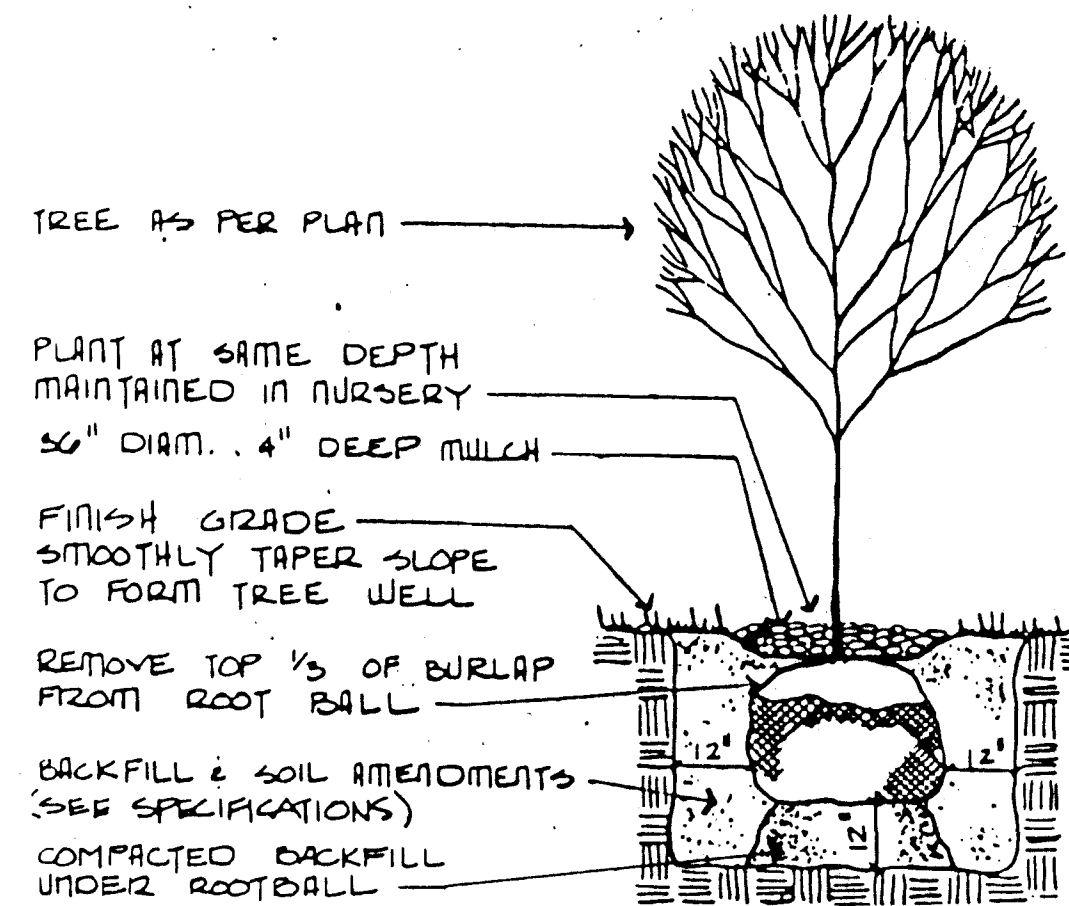


2

L1

SHRUB PLANTING

N.T.S.



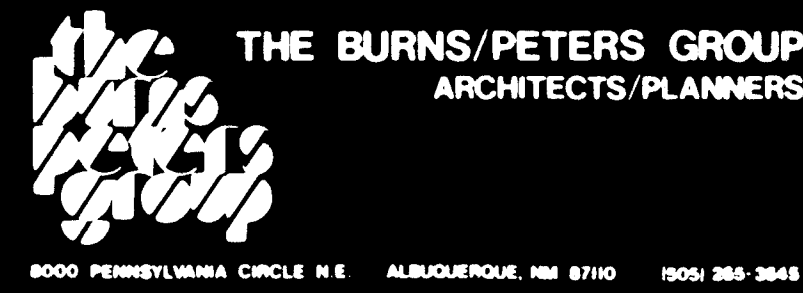
1

L1

TREE PLANTING

N.T.S.

PLANTING SCHEDULE				
COMMON NAME	BOTANICAL NAME	QUANTITY	PLANT SIZE	CONTAINER SIZE
GREEN ASH	FRAXINUS PENNSYLVANICA LANCEOLATA	2	2" CALIPER	
SILVERBERRY BUSH	ELAEAGNUS PUNGENS	10		5 GALLON
HONEY LOCUST	GLEDNITIA TRIACANTHOS INERMIS 'SHADEMASTER'	3	2" CALIPER	
BROADMOOR JUNIPER	JUNIPERUS SABINA	46		5 GALLON
PURPLE LEAF PLUM	PRUNUS CERASIFERA KRAUTER VESUVIUS	3	2" CALIPER	



KEYED NOTES

- GREEN ASH: 2
- SILVERBERRY SHRUBS - 2 ROWS AT 4'-0" O.C.: 10
- PURPLE LEAF PLUM: 2
- HONEY LOCUST: 1
- BROADMOOR JUNIPERS AT 3'-0" O.C.: 16
- BROADMOOR JUNIPERS AT 3'-0" O.C.: 12
- PURPLE LEAF PLUM: 1
- BROADMOOR JUNIPERS AT 3'-0" O.C.: 10
- BROADMOOR JUNIPERS AT 3'-0" O.C.: 6
- HONEY LOCUSTS: 3

GENERAL NOTES

- TREES TO BE INSTALLED PER DETAIL
- SHRUBS TO BE INSTALLED PER DETAIL
- INSTALL A 4" DEEP LAYER OF BARK MULCH (SPLINTERED DECORATIVE BARK FROM SOIL NEEDS, ALBUQUERQUE, N.M. OR EQUIVALENTS SHOWN IN SHADED AREAS. SEE DETAIL
- SEE SITE PLAN SHEET C1 FOR DIMENSIONS.

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

26 28 67 07 8 6

CITY PROJECT NO. 2869



AIRPORT MAINTENANCE FACILITY

ALBUQUERQUE INTERNATIONAL

AIRPORT

ALBUQUERQUE NEW MEXICO

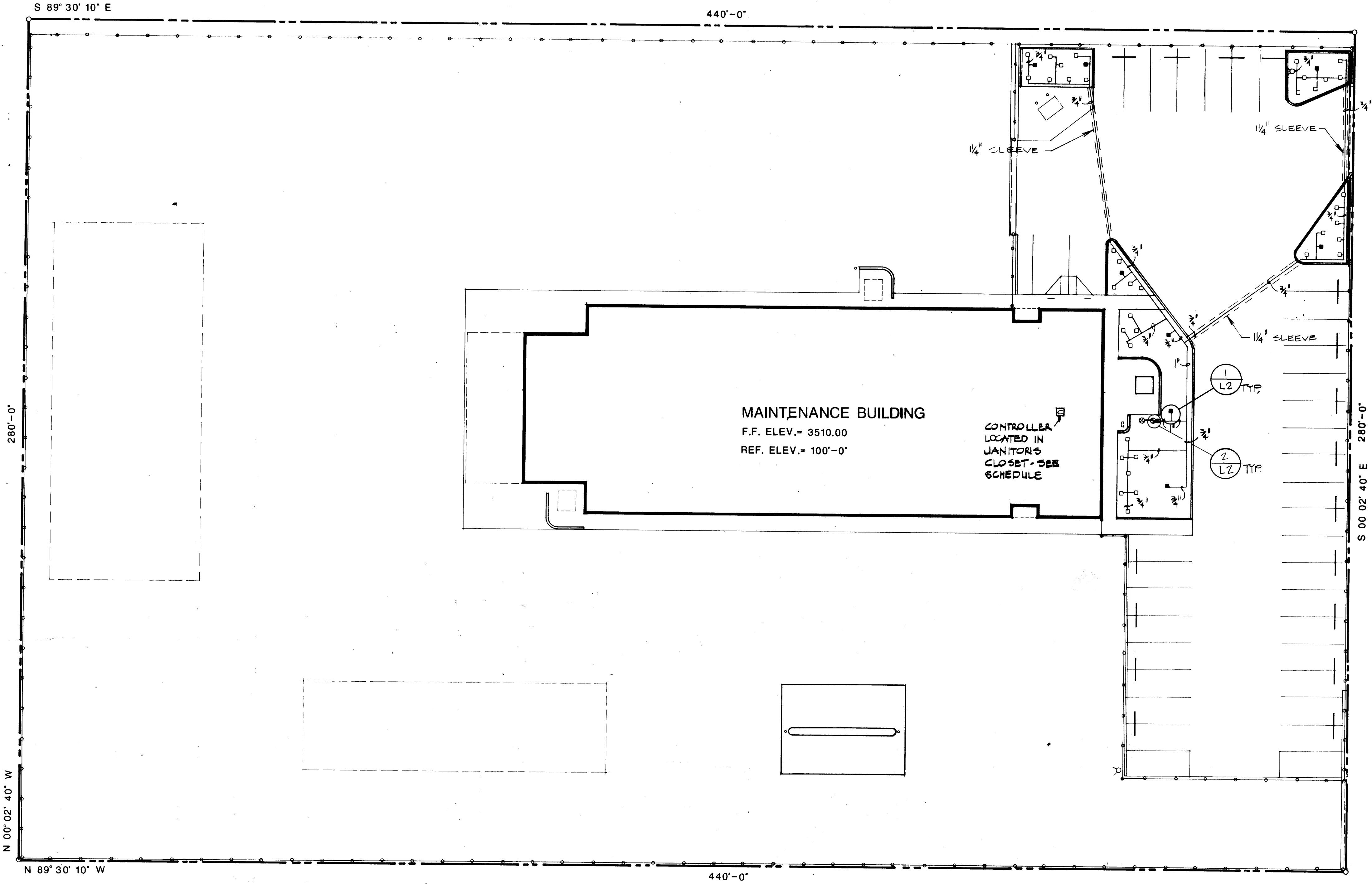
85-25-23

MAY 1986

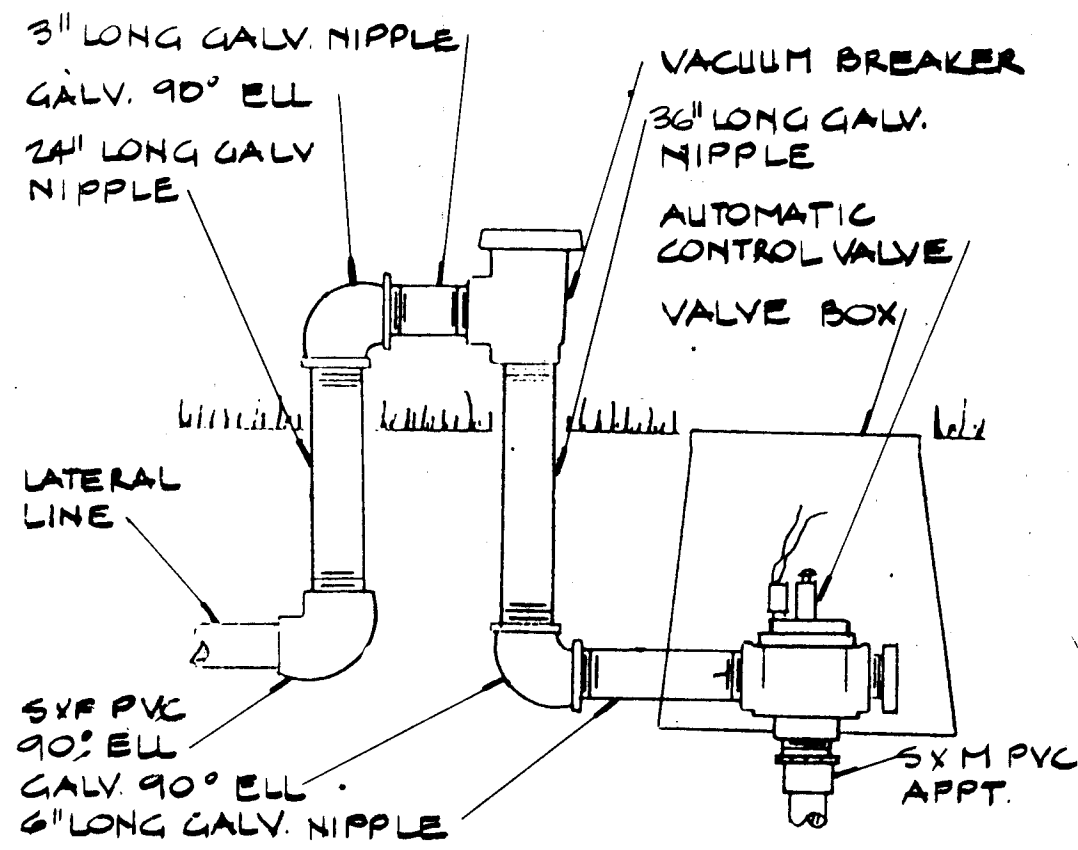
L1

SHEET 7 OF 30

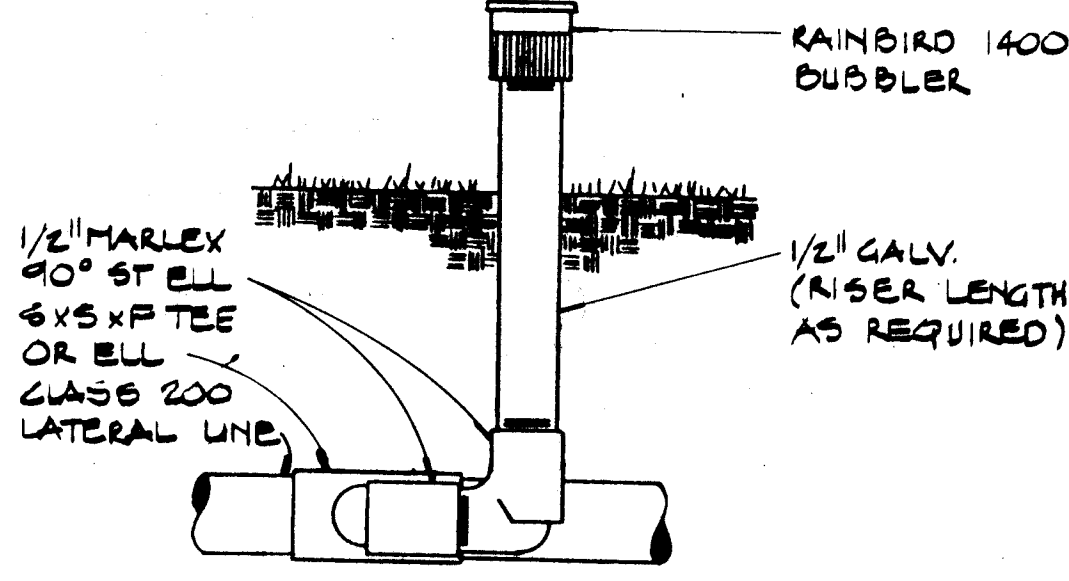
TB	TB
SP	SP
L2	L2



NORTH
SITE PLAN - IRRIGATION
SCALE : 1" = 20'



2
L2
AUTOMATIC VALVE & V.B.
N.T.S.



1
L2
BUBBLER
N.T.S.

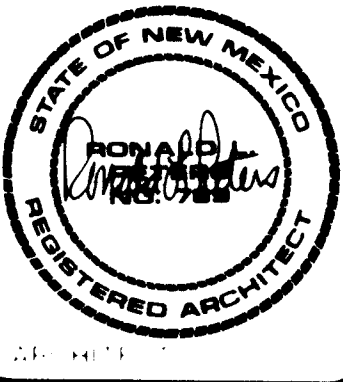
IRRIGATION SCHEDULE	
☐	RAIN BIRD 1401 BUBBLER
☒	RAIN BIRD 1404 BUBBLER
☒	RAIN BIRD 100 PE VALVE
☒	RAIN BIRD AVB-100 VACUUM BREAKER
☒	RAIN BIRD RCM-4 CONTROLLER
☒	1" GATE VALVE (BY OTHERS)
☒	PVC GLASS 200 LATERAL LINE (18" DEPTH)
☒	PVC SCH 40 MAIN LINE (30" DEPTH)
☒	PVC SCH 40 SLEEVE

GENERAL NOTES

- A. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF EXISTING UTILITIES ON SITE AND SHALL PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE; ALL REPAIRS AND LOSSES DUE TO DAMAGED UTILITIES WILL BE PAID FOR BY CONTRACTOR.
- B. WATER PRESSURE IS ASSUMED TO BE 60 PSI ACCORDING TO ENGINEER'S REPORT.
- C. GENERAL CONTRACTOR SHALL PROVIDE 110 VOLT POWER TO IRRIGATION CONTROLLER.
- D. LOCATE DRAIN VALVES AT LOW POINTS IN LINE; ALL LINES SHALL SLOPE TO DRAIN OUT DRAIN VALVES.

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CITY PROJECT NO. 2869

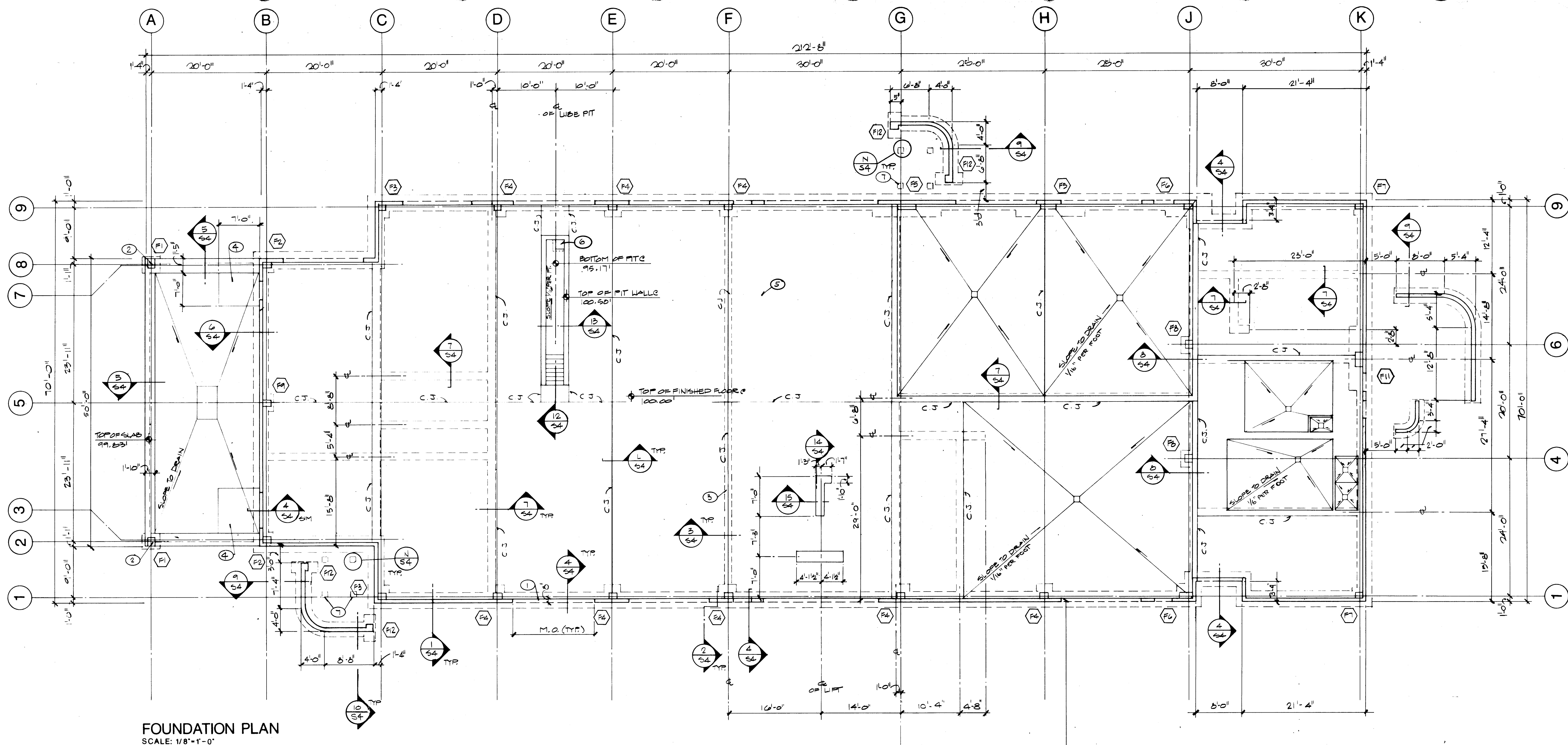


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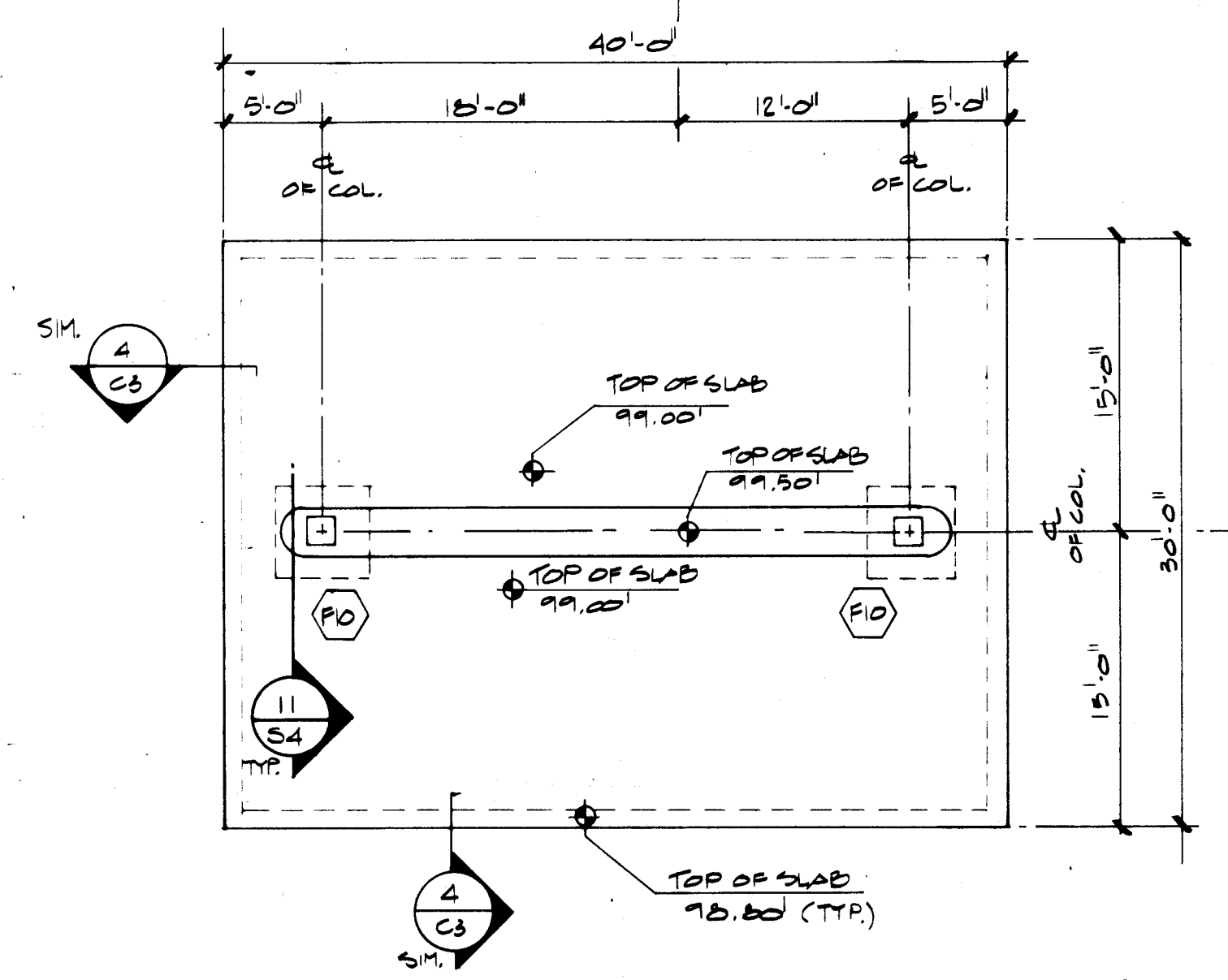
L2
SHEET 8 OF 30



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

FOOTING SCHEDULE

Mark	Pedestal Size	Pedestal Reinforcing		FTG Size	FTG Reinforcing	DETAILS	
		Vert.	Ties			PLAN	SECTION
F1	12" x 17"	4 - #5	#3 @ 10"	3'-0" x 3'-0"	Long. 4 - #4 Trans. 4 - #4	A/54	
F2	12" x 16"	4 - #5	#3 @ 10"	3'-6" x 3'-6"	Long. 4 - #4 Trans. 4 - #4	B/54	2/54
F3	12" x 16"	4 - #5	#3 @ 10"	3'-6" x 4'-0"	Long. 4 - #4 Trans. 4 - #4	C/54	2/54
F4	12" x 16"	4 - #5	#3 @ 10"	3'-0" x 4'-0"	Long. 4 - #4 Trans. 4 - #4	D/54	2/54
F5	12" x 39"	8 - #5	#3 @ 10"	4'-0" x 12'-0"	Long. 6 - #4 Trans. 11 - #4	E/54	2/54
F6	12" x 33"	8 - #5	#3 @ 10"	4'-0" x 8'-0"	Long. 6 - #4 Trans. 7 - #4	F/54	2/54
F7	12" x 16"	4 - #5	#3 @ 10"	3'-6" x 3'-6"	Long. 4 - #4 Trans. 4 - #4	G/54	2/54
F8	12" x 16"	4 - #5	#3 @ 10"	3'-0" x 3'-0"	Long. 4 - #4 Trans. 4 - #4	H/54	2/54
F9	12" x 16"	4 - #5	#3 @ 10"	3'-0" x 3'-6"	Long. 4 - #4 Trans. 4 - #4	I/54	2/54
F10	18" x 18"	4 - #5	#3 @ 10"	4'-6" x 4'-6"	Long. 6 - #4 Trans. 6 - #4	J/54	2/54
F11	16" x 2'-6"	8 - #5	#3 @ 10"	4'-0" x 11'-0"	Long. 6 - #4 Trans. 10 - #4	K/54	2/54
F12	16" x 16" CHU	4 - #5	#3 @ 10"	2'-0" x 4'-8"	Long. 3 - #5 Trans. 5 - #4	L/54	2/54



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

FOUNDATION NOTES

FOUNDATIONS

THE STRUCTURE SHALL BE SUPPORTED ON CONVENTIONAL SPREAD (SPOT) AND CONTINUOUS WALL FOOTINGS BEARING ON COMPACTED NATURAL SOILS OR IMPORTED CONTROLLED STRUCTURAL FILL, AS REQUIRED TO MEET FINAL GRADING PLANS.

PRIOR TO THE PLACING OF FOOTINGS, CONCRETE SLABS OR PAVEMENTS ON THIS SITE, OR BEFORE ANY FLOOR SUPPORTING FILL IS PLACED, ANY ORGANIC, LOOSE OR OBVIOUSLY COMPRESSIVE MATERIALS MUST BE REMOVED. THE SUBGRADE SHOULD THEN BE PROOF-ROLLED UNTIL THE UPPER EIGHT (8) INCHES OF SUBGRADE IS COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM DESIGNATION D-1557. AREAS OF EXCESSIVE YIELDING SHOULD BE EXCAVATED AND BACKFILLED WITH CLEAN, COMPACTED SOIL.

ANY ADDITIONAL FILL USED TO INCREASE THE ELEVATION OF THE FLOOR SLAB SHOULD BE A WELL GRADED GRANULAR, NON-EXPANSIVE MATERIAL WHICH SHOULD BE PLACED IN LOOSE LAYERS OF NOT MORE THAN NINE (9) INCHES IN THICKNESS, AT MOISTURE CONTENTS AT OR ABOVE OPTIMUM, AND COMPACTED TO A MINIMUM DENSITY OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM DESIGNATION D-1557.

EXCAVATING EQUIPMENT MAY DISTURB THE GRANULAR BEARING SOILS AND LOOSE POCKETS CAN OCCUR AT THE BEARING LEVEL. FOR THIS REASON, IT IS RECOMMENDED THAT THE BOTTOMS OF THE EXCAVATIONS BE COMPACTED IN-PLACE BY SMALL VIBRATORY COMPACTORS. THE UPPER SIX (6) INCHES SHOULD BE COMPACTED TO ACHIEVE A DENSITY OF NO LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM DESIGNATION D-1557.

SITE DRAINAGE AND PROTECTION OF FOUNDATION SOILS

IT IS IMPORTANT TO PROTECT THE SOILS BENEATH FOUNDATION AND FLOOR SLABS FROM MOISTURE FLUCTUATIONS. MOISTURE INCREASES, AFTER CONSTRUCTION IN THE FOUNDATIONS OR UNDERSLAB SOILS, COULD CAUSE THE SOILS TO SETTLE WITH RESULTING DIFFERENTIAL VERTICAL MOVEMENTS WHICH IF SUFFICIENT IN NATURE, COULD CAUSE STRUCTURAL DISTRESS. TO REDUCE MOISTURE INTRUSIONS, WE ADVISE THAT THE FOLLOWING MINIMUM PRECAUTIONS BE TAKEN:

1. PROVIDE AND MAINTAIN POSITIVE SURFACE WATER DRAINAGE AROUND AND AWAY FROM ALL EXTERIOR WALLS AND FOUNDATIONS. ROOF DRAINS SHOULD BE CONSTRUCTED SO AS NOT TO CREATE PONDING NEAR FOUNDATIONS.
2. DURING CONSTRUCTION, ALL OPENED EXCAVATIONS SHOULD BE KEPT DRY, WITH CONCRETING AND BACKFILLING OPERATIONS TO FOLLOW IN A TIMELY MANNER.
3. COMPACT BACKFILL SOILS IN UTILITY TRENCHES AND AROUND FOUNDATIONS TO A MINIMUM OF 90 PERCENT OF MODIFIED PROCTOR DENSITY.
4. PLANTING ADJACENT TO FOUNDATIONS SHOULD BE OF THE TYPE THAT DOES NOT REQUIRE WATERING.
5. PAVEMENT AREAS SHOULD ALSO HAVE GOOD SURFACE DRAINAGE SO AS NOT TO ALLOW PONDING TO THE PAVEMENT.

*SOILS REPORT: SOILS EXPLORATIONS AND FOUNDATION RECOMMENDATIONS FOR THE PROPOSED MAINTENANCE BUILDING, ALBUQUERQUE INTERNATIONAL AIRPORT, ALBUQUERQUE, NM, ALBUQUERQUE TESTING LABORATORY DIVISION, PSI FILE NO. 532-60000, MARCH 27, 1986.



KEYED NOTES

1. SLOPE TO MATCH EXTERIOR FINISHED GRADE AT OVERHEAD DOORS.
2. TOP OF PEDESTAL ELEV. 100'-0"
3. TYP ALL FRAME BENTS EXCEPT GRID @ AND GRID @
4. USE SURFACE APPLIED, NON-SLIP AGGREGATE FINISH IN THIS AREA (SEE SPECS).
5. USE CONCRETE FLOOR HARDENER ON SLAB BETWEEN GRID LINE @ AND GRID LINE @ (SEE SPECS).
6. 18" x 18" x 12" DEEP SUMP PUMP PIT WITH 8" THICK WALLS AND FLOOR (SEE MECH.).
7. COORDINATE FOOTING LOCATION WITH FRAME TO SUPPORT MECHANICAL EQUIPMENT

GENERAL NOTES

- A. VERIFY FRAME DIMENSIONS AND A.B. LOCATIONS WITH METAL BUILDING MANUFACTURER.
- B. VERIFY DIMENSIONS WITH LIFT MANUFACTURER.
- C. DIMENSIONS ARE OUT-TO-OUT OF CONCRETE SLAB OR CENTERLINE OF INTERIOR WALLS & FOOTINGS.
- D. @ DENOTES SPREAD (SPOT) FTG FOR RIGID FRAME COLUMNS.
- E. C-J DENOTES KEYED CONSTRUCTION JOINT, SEE @
- F. ALL FLOOR DRAIN LOCATIONS TO DRAIN 1/16" PER FT. FROM FINISH FLOOR ELEVATION

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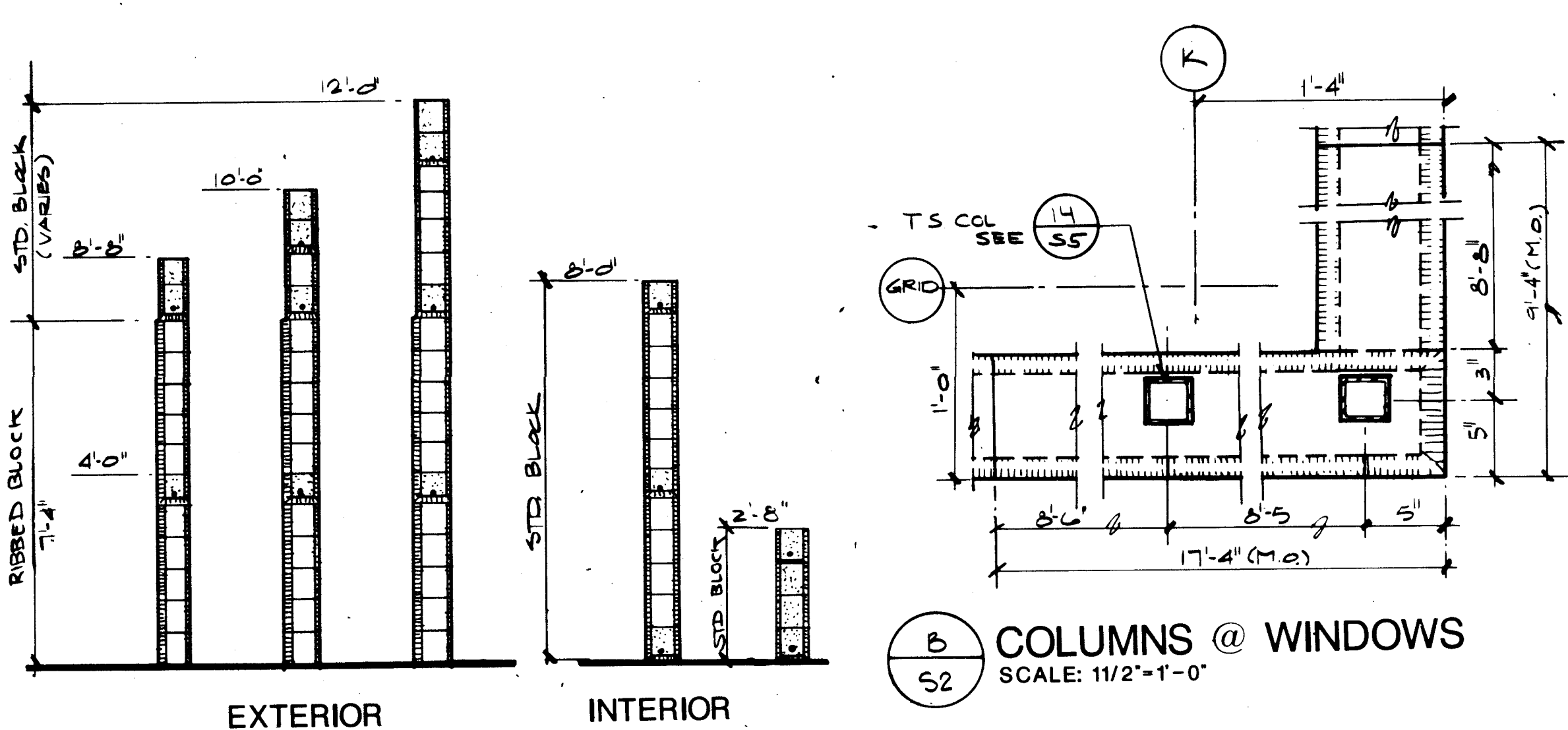
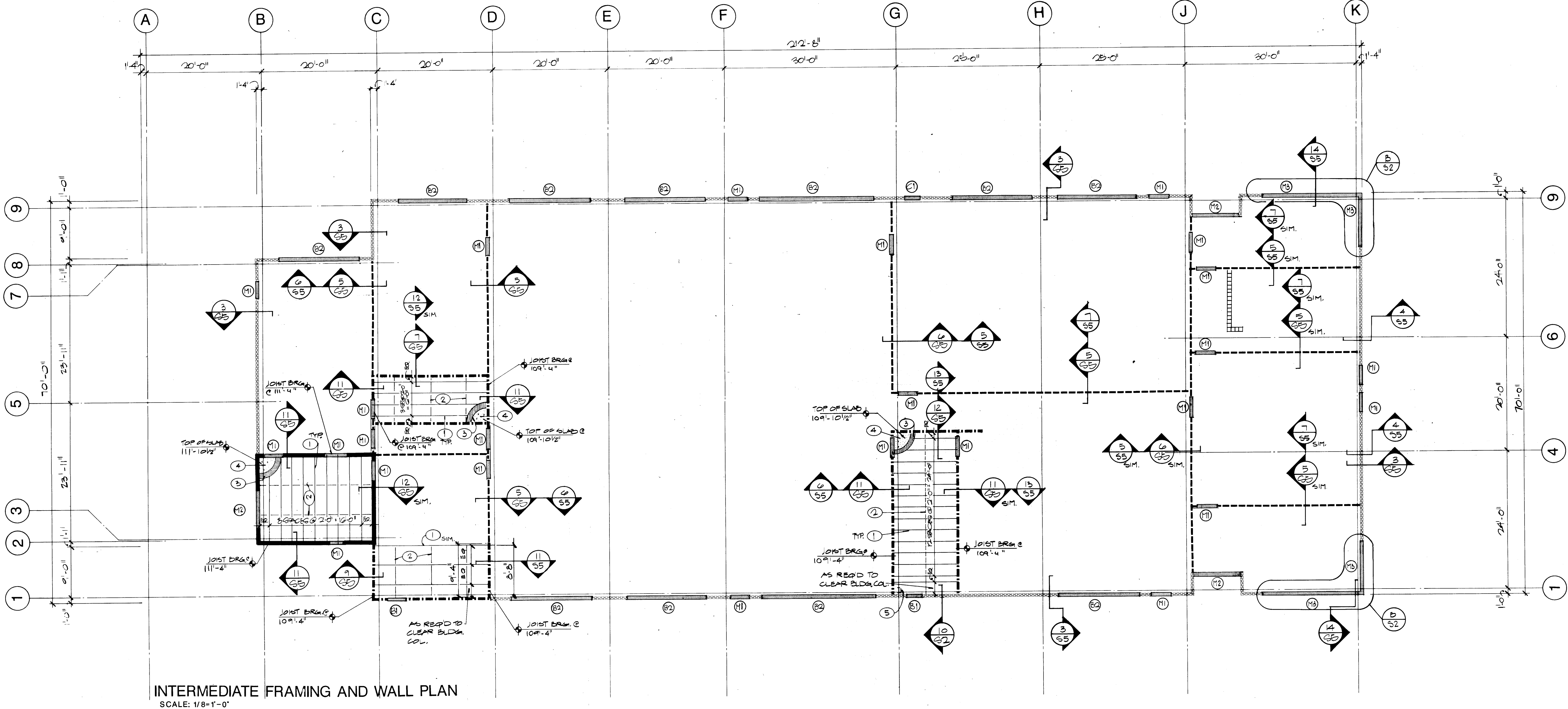
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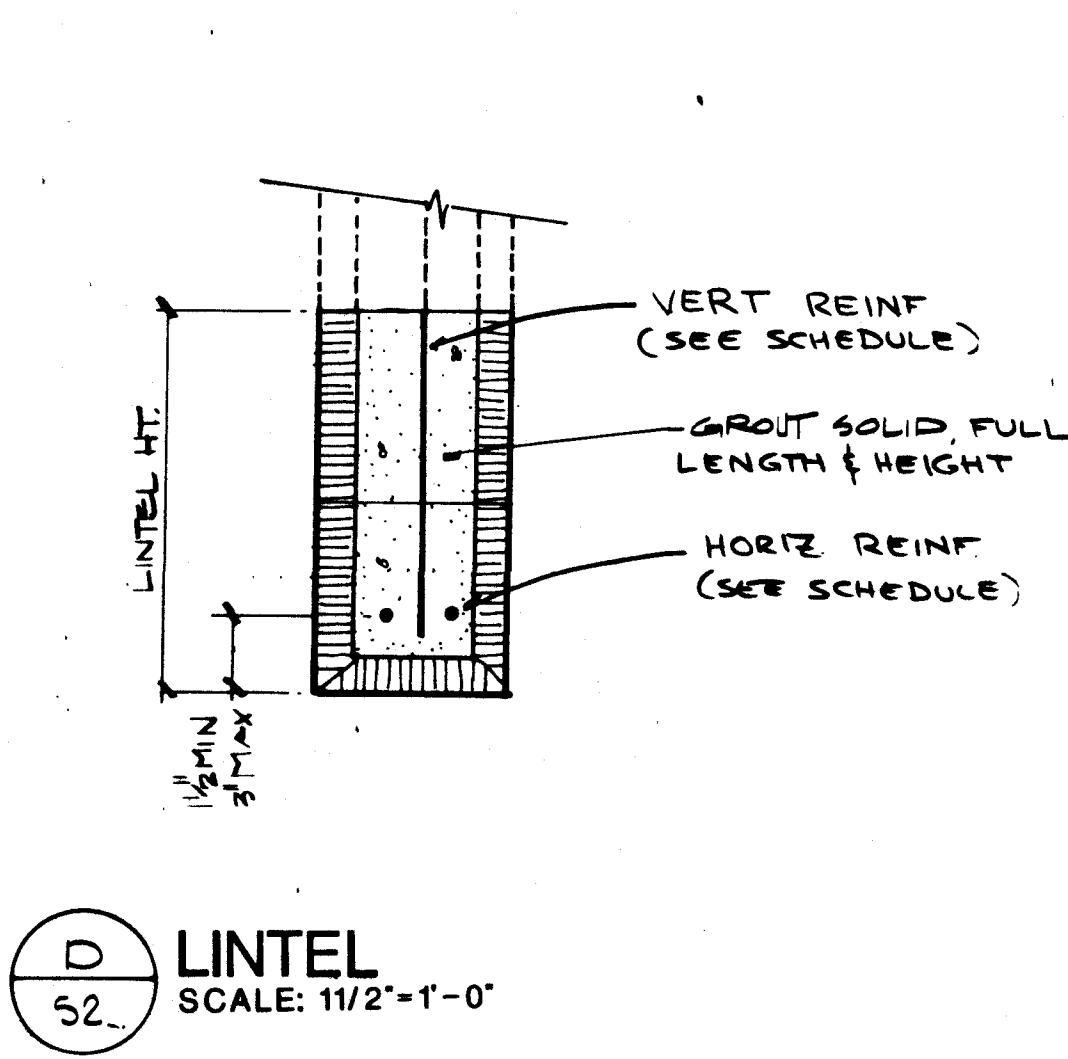
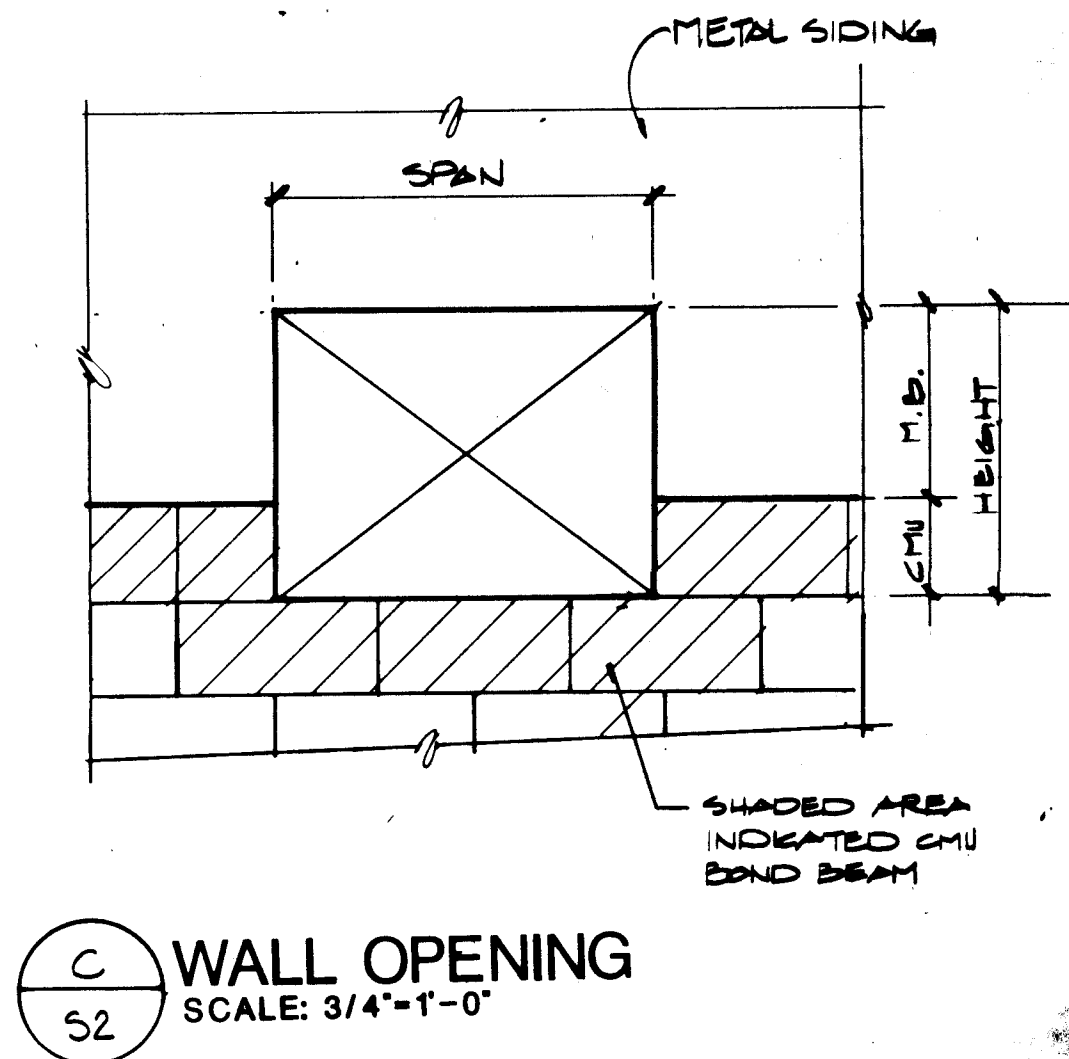
S1

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TB	TB
GRID	GRID
S2	S2



B COLUMNS @ WINDOWS
SCALE: 1/2"=1'-0"



WALL HEIGHT LEGEND		
SYMBOL	HEIGHT	REMARKS
	12'-0"	SEE DET. (A) (B) (C)
	10'-0"	SEE DET. (A) (B) (C)
	8'-0"	SEE DET. (A) (B) (C)
	6'-0"	SEE DET. (A) (B) (C)
	2'-0"	SEE DET. (A) (B) (C)

LINTEL SCHEDULE

CMU.						
MARK	SPAN	HEIGHT	BEARING LENGTH	HORIZ. REINF.	VERT. REINF.	REMARKS
M1	Up to 4'-0"	16"	16"	1 - #5	Match Wall	Detail (A) 52
M2	Up to 8'-0"	16"	2'-0"	2 - #5	Match Wall	Detail (A) 52
M3	17'-4" 8'9" 4"	16"	2'-0"	2 - #5	#5 @ 16" O.C.	Section (A) 52 Detail (B) 52
METAL BUILDING						
MARK	SPAN	HEIGHT	REMARKS			
B1	2'-6"	2'-1"	MFG. STD. FOR MISC. OPENINGS			
B2	12'-0", 14'-0" & 20'-0"	14'-0" & 16'-0"	MFG. STD. FOR OVERHEAD DOORS WITH C&B # 11.5 JAMB SEE (A) 52 AND (B) 52			
CMU./METAL BUILDING						
MARK	SPAN	CMU HEIGHT	M.B. HEIGHT	OVERALL HEIGHT	REMARKS	
C1	2'-8"	8"	16"	2'-0"	Detail (A) 52	

SPAN EQUALS MASONRY OPNG OR DUCT SIZE
BEARING LENGTH AT EA. SIDE

THE BURNS/PETERS GROUP
ARCHITECTS/PLANNERS

8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, N.M. 87105 (505) 261-3645

KEYED NOTES

- 12x12 JOISTS WITH CEILING EXTENSIONS.
- MINIMUM 1/2" Ø HORIZ. ROD BRACING AT TAB CHORDS
- 22 GA., GALV. STEEL DECK, 1 1/2" DEEP, 1" = 0.183 IN ⁴/₅ S = 0.209 IN ³/₅
- 3000 PSI CONC. OVER METAL DECK. 4" TOTAL DEPTH
- L 3 X 3 X 1/2 COLUMN DEPTH WELD TO EACH FLANGE TO SUPPORT METAL DECK & CONC.

GENERAL NOTES

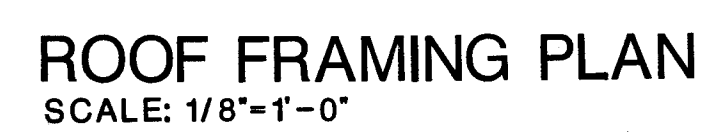
CITY PROJECT NO. 2889

AIRPORT MAINTENANCE FACILITY
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE NEW MEXICO

85-25-23 MAY 1996

S2

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REFERENCES:
UNIFORM BUILDING CODE, 1985 EDITION
AISC 318-B
AISC MANUAL OF STEEL CONST., 8TH EDITION

LIVE LOADS:
ROOF                20 PSF
STORAGE AREA       100 PSF
FLOOR              SLAB ON GRADE
WIND               SEE BELOW
SOIL               SHOT FTGS  $\gamma$  = 3000 PSF, CNT. FTGS  $\gamma$  = 2500 PSF
DESIGN              UBC ZONE 2

WIND DESIGN CALCULATIONS:
BASIC WIND SPEED    70 MPH
EXPOSURE            C
METHOD, PREFABRCD METAL BUILDING
Cq                  1.3
                    0.8 WINDWARD WALL [IN]
                    0.5 LEeward WALL [OUT]
                    0.7 LEeward ROOF [OUT]
                    0.7 WINDWARD ROOF [OUT]

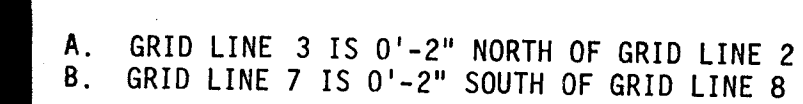
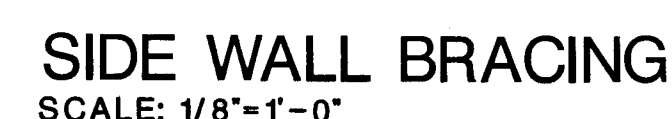
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5. UNLESS OTHERWISE NOTED OR DETAILED, VERTICAL REINFORCING IN ALL MASSORY WALL SHALL BE AS FOLLOWS:
 - a. ONE VERTICAL IN EACH OF THE THREE CELLS AT ALL CORNERS.
 - b. ONE VERTICAL IN EACH OF TWO CELLS AT THE END OF ALL DISCONTINUOUS WALL RUNS.
 - c. ONE VERTICAL IN EACH OF TWO CELLS AT THE INTERSECTION OF TWO WALLS.
 - d. ONE VERTICAL IN EACH OF THE FOUR CELLS AT THE INTERSECTION OF TWO WALLS.
 - e. ONE VERTICAL IN EACH OF TWO CELLS AT THE INTERSECTION OF TWO WALLS.
 - f. AT BEARING POINTS OF END WALL COLUMNS - ONE VERTICAL IN EACH CELL COLUM.
6. MASSORY CELLS SHALL BE FILLED WITH CONCRETE AT VERTICAL REINFORCING SHALL BE FILLED PER SECTION 05050.00.
7. UNLESS OTHERWISE SHOWN, PROVIDE MASSORY CORNERS, JOINTS ON EXTERIOR WALLS AT THE FOLLOWING LOCATIONS: 12'-0" FROM ALL CORNERS AND 30'-0" IN ALL STRAIGHT WALL RUNS.
8. WHERE EARTH FILL IS REQUIRED ON ONE OR BOTH SIDES OF MASSORY WALLS, THE WALL SHALL BE FILLED WITH SOLID WITH CONCRETE TO THE HEIGHT OF THE EARTH FILL OR AS SPECIFIED OTHERWISE.

1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS LISTED BELOW.
 F'C = 3000 PSI AIR EXTRACTED, FOR ALL EXTERIOR SLABS, SIDEWALKS, CURBS AND OTHER CONCRETE.
 F'C = 3000 PSI AIR EXTRACTED FOR ALL INTERIOR CONCRETE SLABS IN OPEN BAY AREAS
 F'C = 3000 PSI FOR ALL INTERIOR SLABS IN REMAINDER OF BUILDING AND FOOTINGS.
2. ALL REINFORCING STEEL SHALL BE ASTM A-615, GRADE 40, MINIMUM YIELD STRENGTH OF 60,000 PSI. ALL TIES SHALL BE ASTM A-615, GRADE 40, MINIMUM YIELD STRENGTH OF 30000 PSI.
3. ALL CONCRETE AND REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THESE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-72) AND REINFORCING STEEL (ACI 308-72).
4. 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.

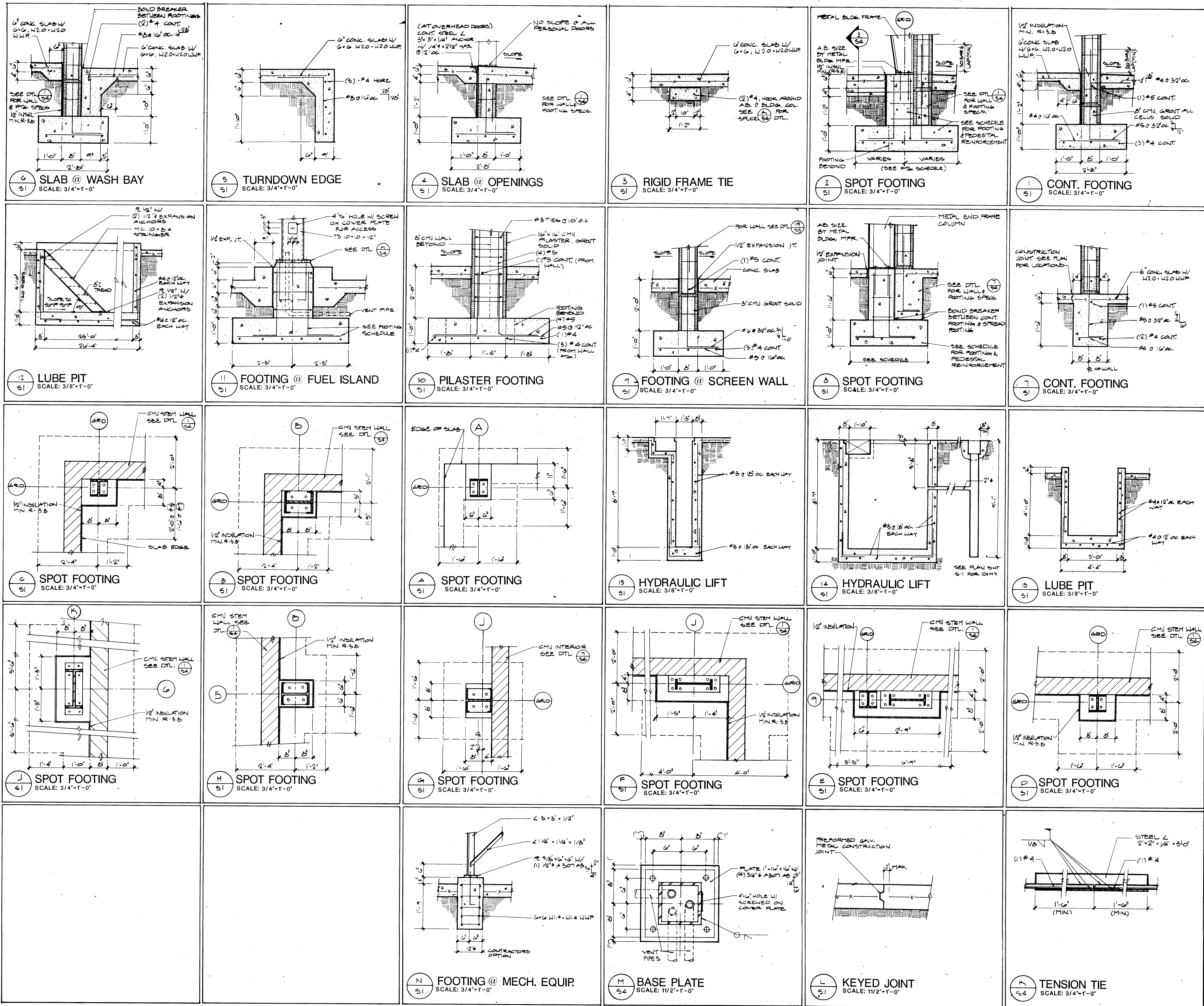
1. ALL STRUCTURAL, MISCELLANEOUS STEEL MEMBERS, SHAPES AND CONNECTIONS SHALL BE ASTM A-36, HAVING A MINIMUM TENSILE STRENGTH OF 36,000 PSI.
2. ALL STRUCTURAL STEEL TUBE SHAPES SHALL BE ASTM A-500, GRADE B HAVING A MINIMUM TENSILE STRENGTH OF 48,000 PSI.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE ARCHITECTURAL DRAWINGS FOR ALL MISCELLANEOUS STEEL.
4. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE AWS AND AISC.
5. ALL ANCHOR BOLTS FOR PREFABRICATED BUILDING COMPONENTS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. ALL OTHER ANCHOR BOLTS SHALL BE ASTM A307.
7. ALL CONNECTION BOLTS SHALL BE ASTM A-325N.
8. ALL PREFABRICATED BUILDING COMPONENTS SHALL BE DESIGNED BY OTHERS.

1. ALL HOLLOW MASONRY OR BRICK TO BE REINFORCED SHALL BE REBAR WITH LACE AT THE BOTTOM OF THE WALL AT THE CELLS WHERE DOWNLAYS OCCUR OR REBAR IS TO BE PLACED AND GROUTED.
2. CELLS OF MASONRY WALLS CONTAINING REBAR SHALL BE GROUTED SOLID FROM THE BOTTOM TO THE TOP OF THE WALL. CLEAN DUSTS SHALL BE PROVIDED AT THE BOTTOM OF WALLS AT ALL CELLS TO BE GROUTED.
3. MASONRY REINFORCING: VERTICAL AND HORIZONTAL REINFORCING SHALL BE PLACED AS SHOWN ON THE DRAWINGS. ALL REBAR SHALL BE CAPTED 30 DIAMETERS OR 12" MINIMUM. SPACES IN HORIZONTAL REINFORCING SHALL BE STAGGERED SO THAT NO MORE THAN ONE SPICE OCCURS IN ANY 10'-0" LENGTH OF WALL EXCEPT AT CORNERS.
4. UNLESS OTHERWISE NOTED, EXTEND VERTICAL REINFORCING IN MASONRY WALLS THROUGH KNOCK OUT BOND BLOCK COURSES. REINFORCING IN KNOCK OUT BOND BEAM COURSES SHALL BE AS NOTED. FOR ALL BOND BEAMS, INSTALL ONE CORNER BAR FOR EACH HORIZONTAL BEAM.



S3
SHEET 11 OF 30

	S3	IF	GRID	TB
	S3	IF	GRID	TB

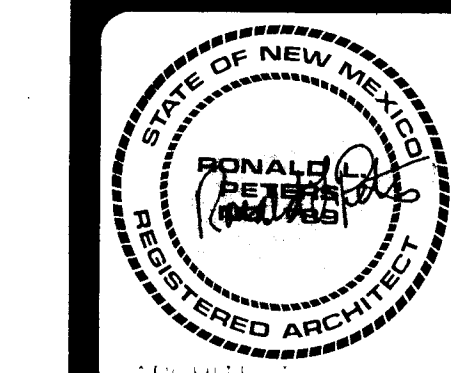


GENERAL NOTES

A. TOP OF FINISHED FLOOR ELEVATIONS SHOWN ON FDN PLAN (SEE S1).

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QTY PROJECT NO. 2869

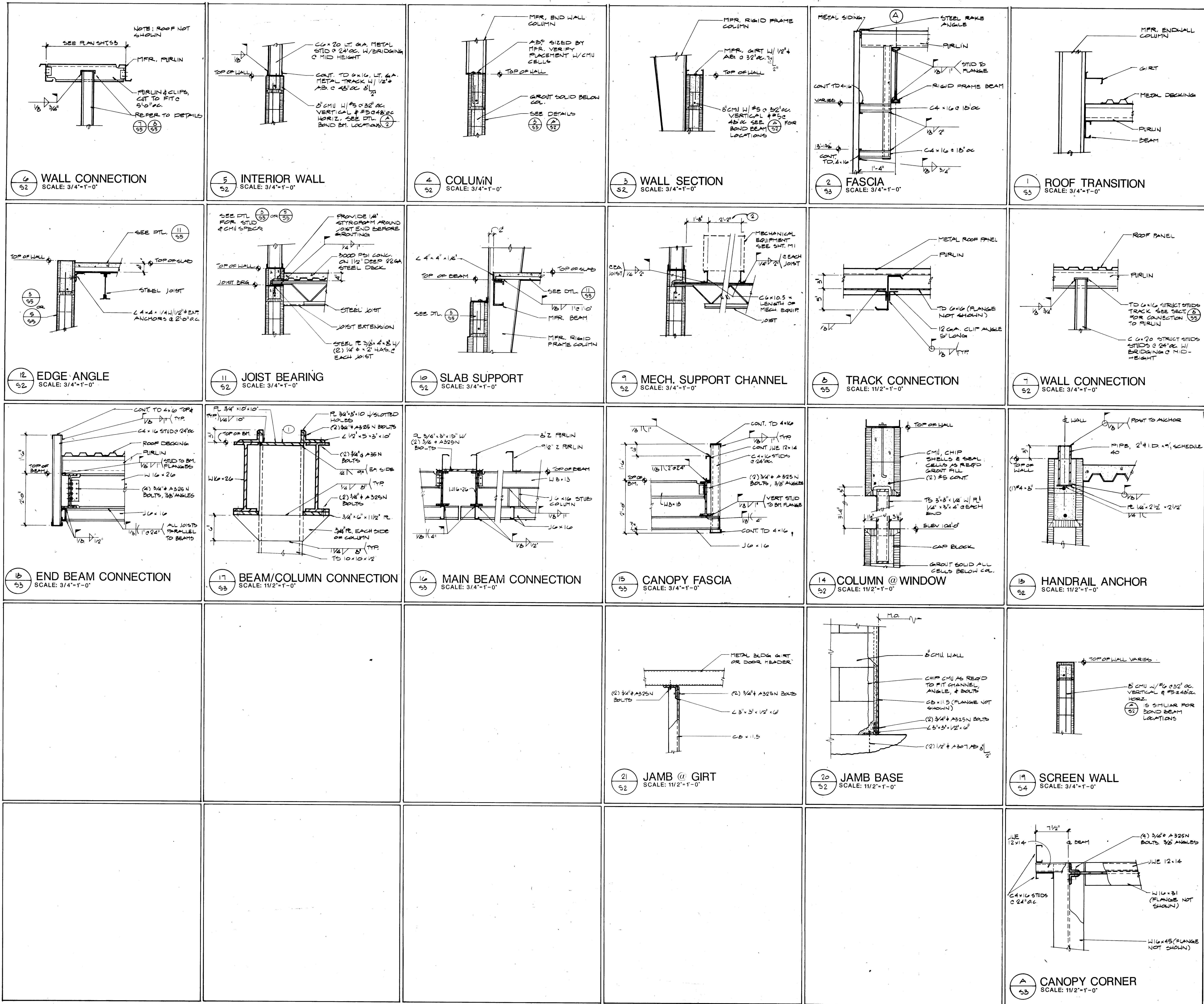


AIRPORT MAINTENANCE FACILITY
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S4
SHEET 12 OF 30



THE BURNS/PETERS GROUP
ARCHITECTS/PLANNERS
8000 PENNSYLVANIA CIRCLE N.E. ALBUQUERQUE, NM 87109 (505) 263-3845

KEYED NOTES

- COORDINATE HOLES IN COVER PLATE FOR VENT PIPES. AFTER INSTALLATION OF PIPES, SEAL HOLES WATER-TIGHT.
- VERIFY DIMENSIONS WITH MECHANICAL (SEE M1).

GENERAL NOTES

- TOP OF BEAM ELEVATIONS SHOWN ON ROOF FRAMING PLAN (SEE S3).
- JOIST BEARING ELEVATIONS SHOWN ON INTERMEDIATE FRAMING PLAN (SEE S2).
- TOP OF FINISHED SLAB ELEVATIONS SHOWN ON INTERMEDIATE FRAMING PLAN (SEE S2).

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CITY PROJECT NO. 2889

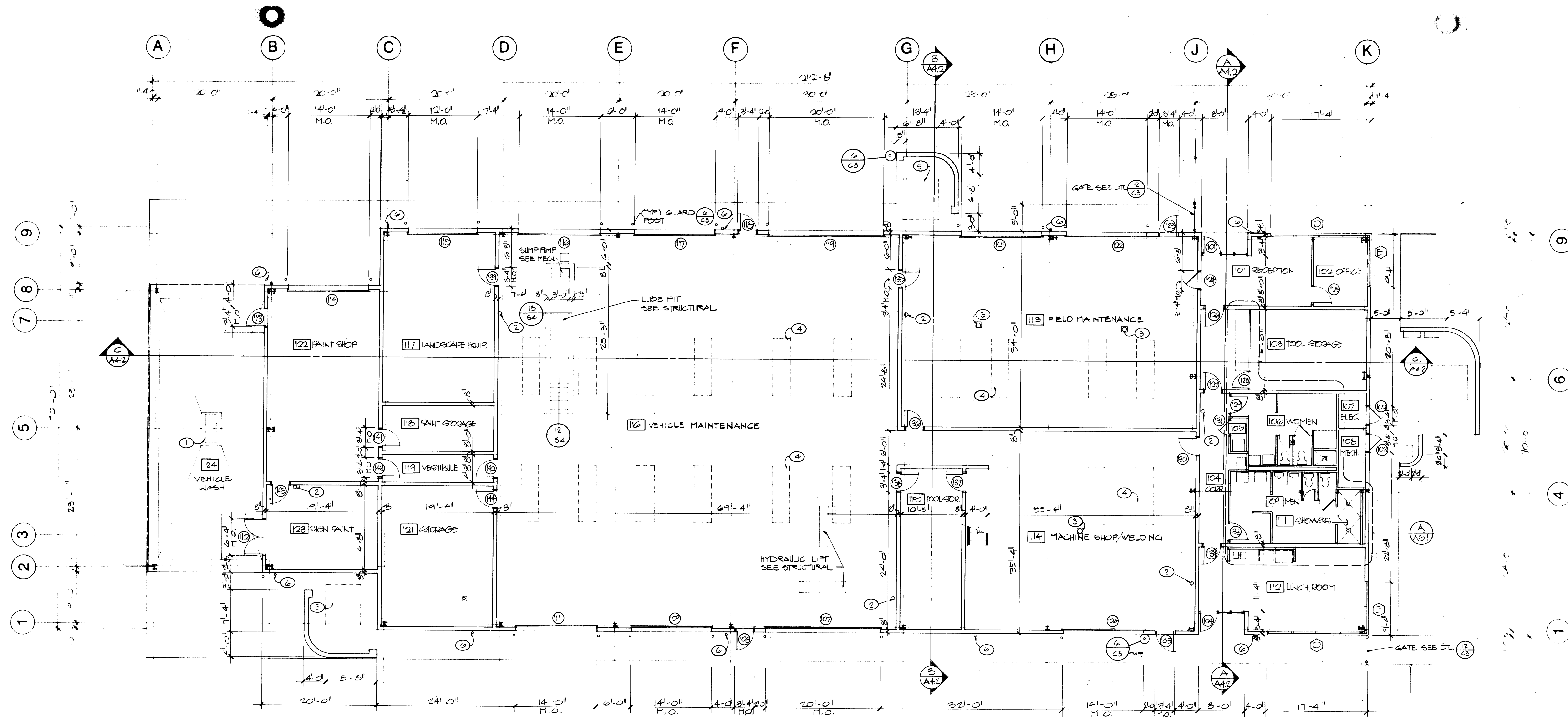


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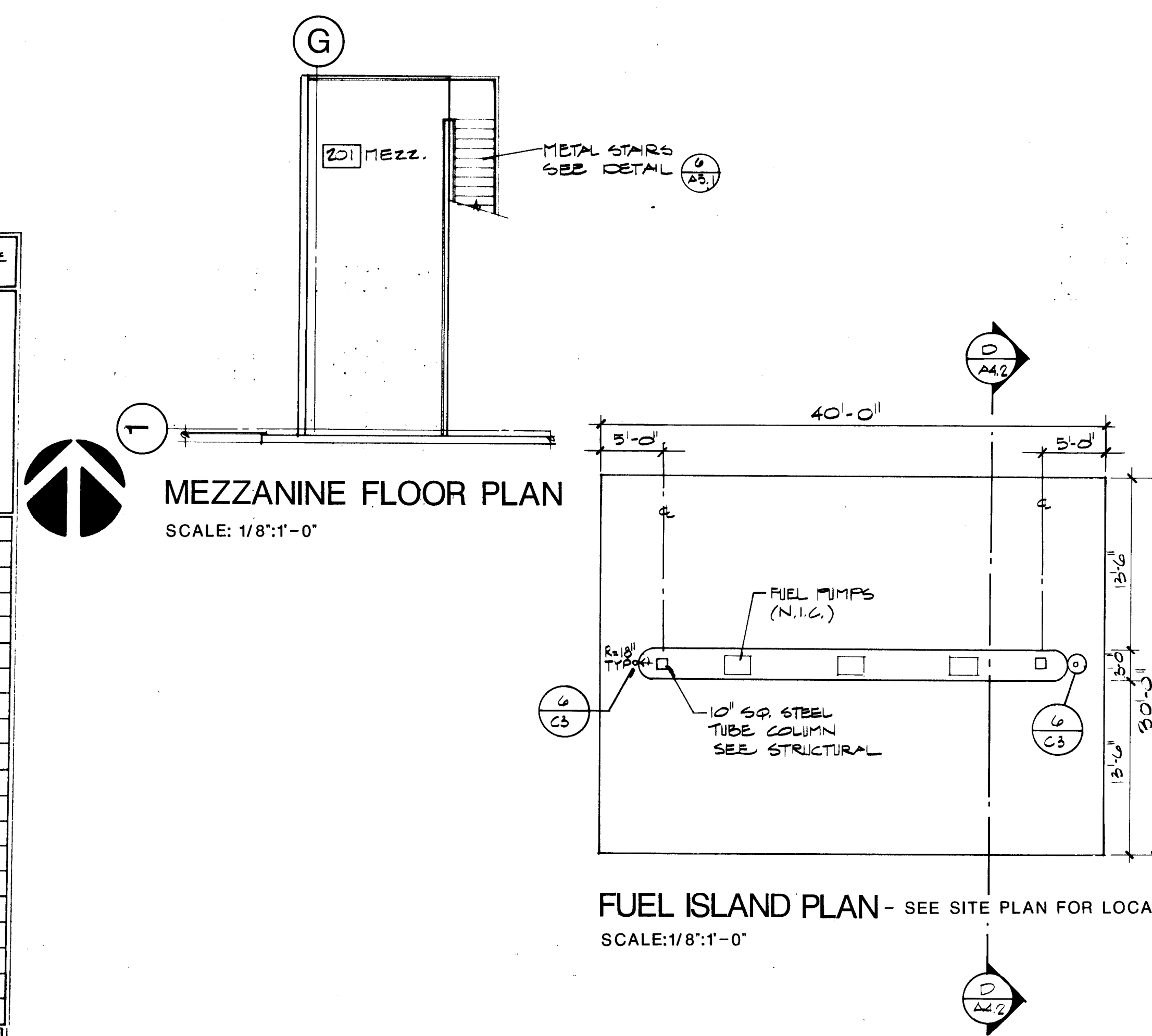
MAY 1986

S5
SHEET 13 OF 30



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

RM. NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CLG. HT.	REMARKS
101	RECEPTION	0	0	0	0	8'-0"	
102	OFFICE	0	0	0	0	8'-0"	
103	TOOL STORAGE	0	0	0	0	8'-0"	
104	CORRIDOR	0	0	0	0	8'-0"	
105	JANITOR	0	0	0	0	8'-0"	
106	WOMEN	0	0	0	0	8'-0"	
107	ELECTRICAL	0	0	0	0	8'-0"	
108	MECHANICAL	0	0	0	0	8'-0"	
109	MEN	0	0	0	0	8'-0"	
111	SHOWERS	0	0	0	0	8'-0"	
112	LUNCH ROOM	0	0	0	0	8'-0"	
113	FIELD MAINTENANCE	0	0	0	0	8'-0"	
114	MACHINE SHOP/WELDING	0	0	0	0	8'-0"	
115	TOOL STORAGE	0	0	0	0	8'-0"	
116	VEHICLE MAINTENANCE	0	0	0	0	8'-0"	
117	LANDSCAPE EQUIPMENT	0	0	0	0	8'-0"	
118	PAINT STORAGE	0	0	0	0	8'-0"	
119	VESTIBULE	0	0	0	0	8'-0"	
121	STORAGE	0	0	0	0	8'-0"	
122	PAINT SHOP	0	0	0	0	8'-0"	
123	SIGN PAINT	0	0	0	0	8'-0"	
124	VEHICLE WASH	0	0	0	0	8'-0"	
201	MEZZANINE	0	0	0	0	8'-0"	



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

FUEL ISLAND PLAN - SEE SITE PLAN FOR LOCATION
SCALE: 1/8"=1'-0"

DOOR SCHEDULE														
DR. NO.	SIZE			DOOR				FRAME (DETAILS ON A9.1)				REMARKS		
	W	H	T	MATL	TYPE	HW	RTG	GLASS	MATL	TYPE	FRAME DETAILS HEAD, JAMB, SILL			
101	3'-0"	7'-0"	1 3/4"	HM	G	1		1/4"LAM	ALUM	C	3	9.13	15	
102	3'-0"	7'-0"	1 3/4"	HM	F	5					2	14	7	
103	3'-0"	7'-0"	1 3/4"	HM	F	5			HM	B	2	14	7	
104	3'-0"	7'-0"	1 3/4"	HM	G	1		1/4"LAM	ALUM	C	3	9.13	15	
105	3'-0"	7'-0"	1 3/4"	HM	F	5			HM	B	2	14	7	
106	14'-0"	14'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
107	20'-0"	16'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
108	3'-0"	7'-0"	1 3/4"	HM	F	5			HM	B	2	14	7	
109	14'-0"	16'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
111	14'-0"	16'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
112	PR3'-0"	7'-0"	1 3/4"	HM	F	6			HM	B	2	14	7	
113	3'-0"	7'-0"	1 3/4"	HM	F	5			HM	B	2	14	7	
114	14'-0"	14'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
115	14'-0"	14'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
116	14'-0"	14'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
117	14'-0"	16'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
118	3'-0"	7'-0"	1 3/4"	HM	F	5			HM	B	2	14	7	
119	20'-0"	16'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
121	14'-0"	16'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
122	14'-0"	14'-0"	1 3/4"	STEEL	O	1					4	10.16	-	
123	3'-0"	7'-0"	1 3/4"	HM	F	5			HM	B	2	14	7	
124	3'-0"	7'-0"	1 3/4"	HM	V	4	20MIN	WIRED	HM	B	2	14	-	*Field Maintenance
125	3'-0"	7'-0"	1 3/4"	SCWD	V	3	1/4"LAM		HM	A	1	1	-	*Office
126	3'-0"	7'-0"	1 3/4"	SCWD	V	2	3/4HR	WIRED	HM	B	2	14	-	
127	3'-0"	7'-0"	1 3/4"	SCWD	V	2	3/4HR	WIRED	HM	B	2	14	-	
128	3'-0"	7'-0"	1 3/4"	SCWD	F	2	20MIN		HM	A	1	1.8	-	*Tool Storage
129	3'-0"	7'-0"	1 3/4"	SCWD	F	2	20MIN		HM	A	1	1.8	-	*Women
131	2'-6"	7'-0"	1 3/4"	SCWD	F	3	3/4HR		HM	A	1	1	-	*Janitor
132	3'-0"	7'-0"	1 3/4"	HM	V	4	20MIN	WIRED	HM	B	2	14	7	*Machine Shop/Welding
133	3'-0"	7'-0"	1 3/4"	SCWD	F	2	20MIN		HM	A	1	1.8	-	*Men
134	3'-0"	7'-0"	1 3/4"	SCWD	V	2	20MIN	WIRED	HM	B	2	14	-	
135	3'-0"	7'-0"	1 3/4"	HM	V	4	WIRED		HM	B	2	14	-	*Field Maintenance
136	3'-0"	7'-0"	1 3/4"	HM	V	4	WIRED		HM	B	2	14	-	*Field Maintenance
137	3'-0"	7'-0"	1 3/4"	HM	F	4			HM	B	2	14	-	*Tool Storage
138	3'-0"	7'-0"	1 3/4"	HM	F	4	3/4HR		HM	B	2	14	-	*Tool Storage
139	3'-0"	7'-0"	1 3/4"	HM	F	4			HM	B	2	14	-	*Mechanical Maintenance
141	3'-0"	7'-0"	1 3/4"	HM	F	4	1/4HR		HM	B	2	14	-	*Paint Storage
142	3'-0"	7'-0"	1 3/4"	HM	V	2	20MIN	WIRED	HM	B	2	14	-	*Vehicle Maintenance
143	3'-0"	7'-0"	1 3/4"	HM	V	2	20MIN	WIRED	HM	B	2	14	-	*Paint Shop
144	3'-0"	7'-0"	1 3/4"	HM	F	4	3/4HR		HM	B	2	14	-	*Storage
145	3'-0"	7'-0"	1 3/4"	HM	F	4	1/4HR		HM	B	2	14	-	*Sign Paint

* PROVIDE DOOR SIGNAGE AS SPECIFIED

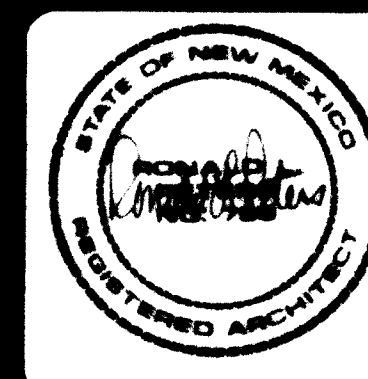


KEYED NOTES

1. SAND TRAP - SEE MECHANICAL
2. FIRE EXTINGUISHERS AS SPECIFIED
3. FLOOR DRAINS - SEE MECHANICAL
4. TRANSLUCENT ROOF PANELS
5. MECHANICAL UNIT
6. METAL DOWNSPOUTS

26 286811486

CITY PROJECT NO. 2869

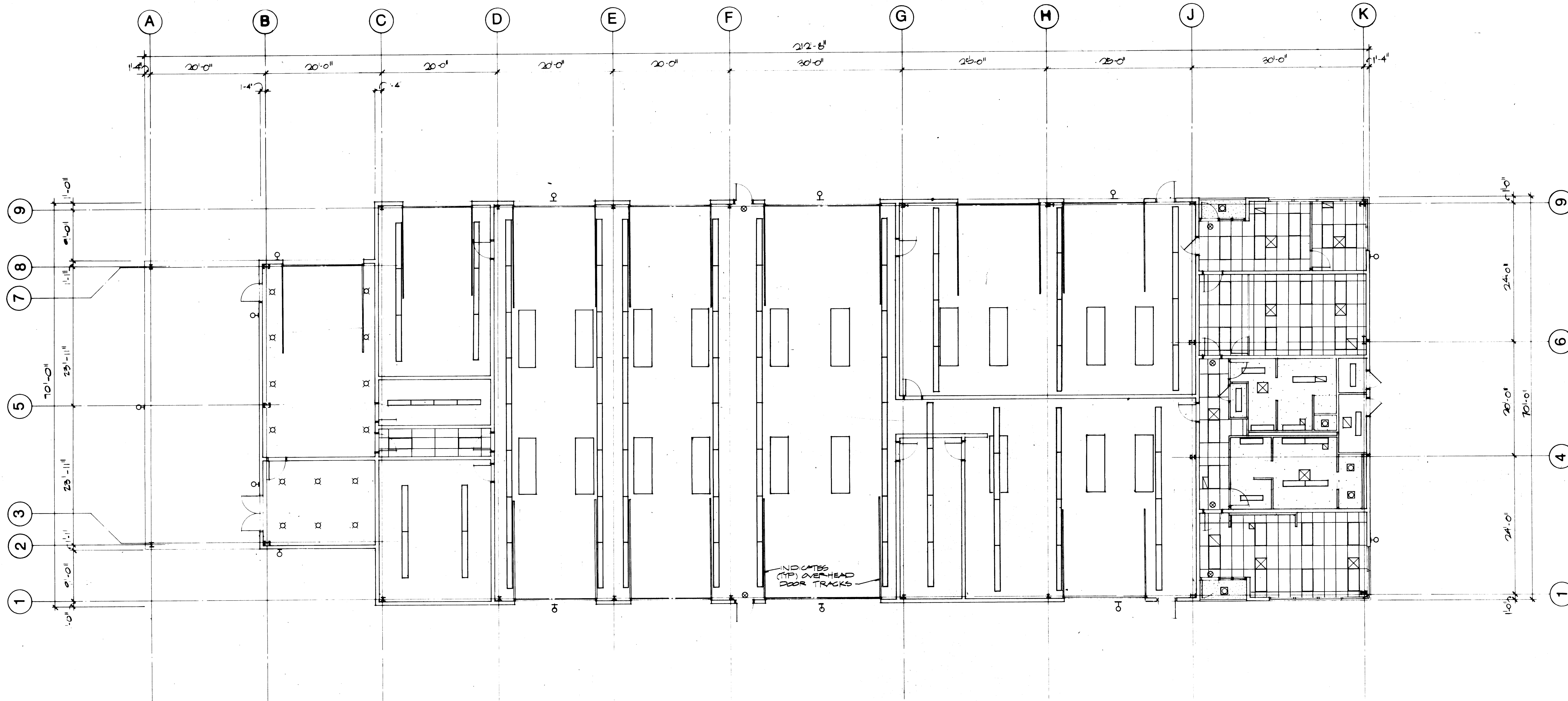


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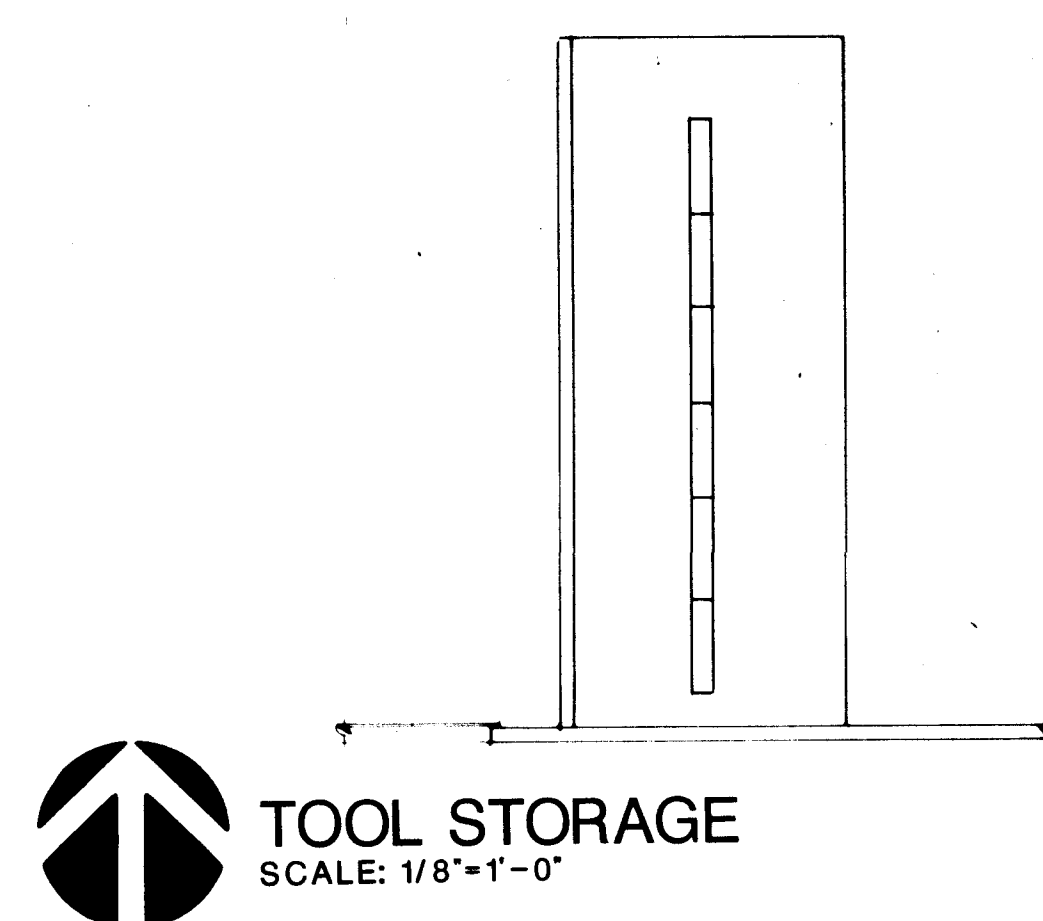
85-25-23

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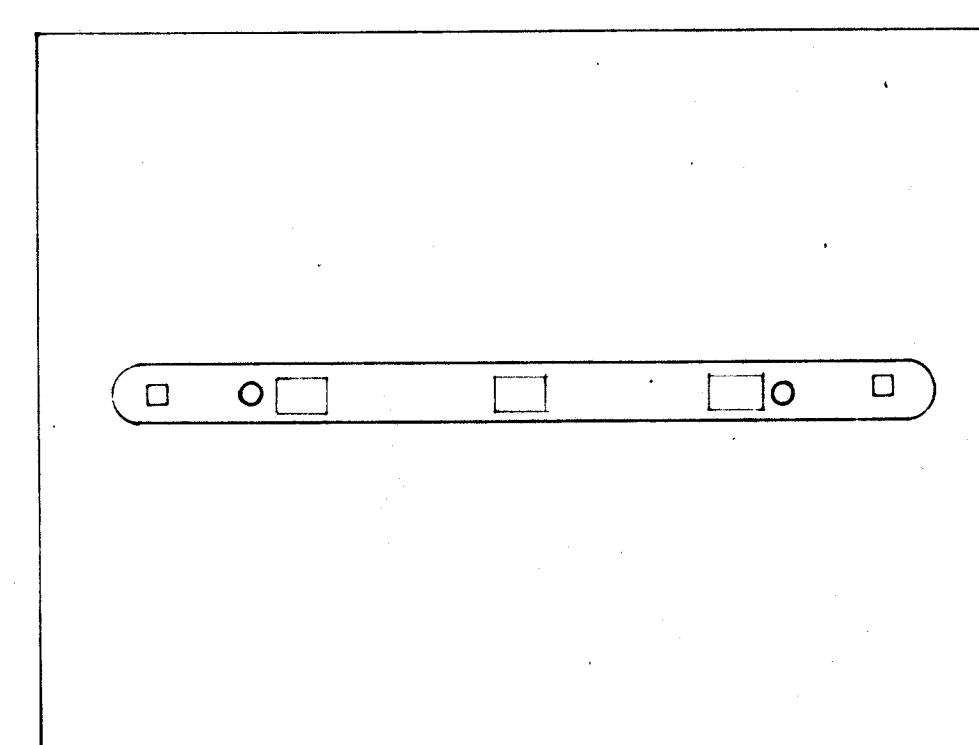
A2.1
SHEET 14 OF 30



REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"



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



FUEL ISLAND CANOPY - ALTERNATE NO. 4
SCALE: 1/8"=1'-0"



THE BURNS PETERS GROUP
ARCHITECTS, P.C.

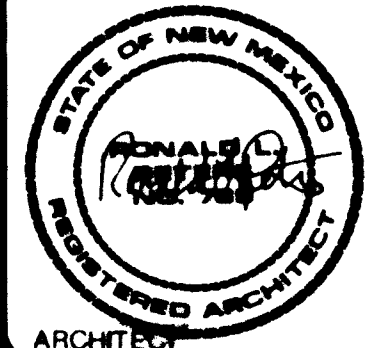
**REFLECTED CEILING
LEGEND OF SYMBOLS**

- INCANDESCENT
FIXTURE
- FLUORESCENT
FIXTURE
- ⊗ SUPPLY AIR
DIFFUSER
- ⊠ RETURN AIR GRILLE
- ⊙ GYPSUM BOARD
CEILING
- ⊗ EXPLOSION PROOF
FIXTURE
- TRANSLUCENT ROOF
PANEL

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

26 28 69 115 86

CITY PROJECT NO. 2869



ARCHITECT



ARCHITECT

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ALBUQUERQUE INTERNATIONAL
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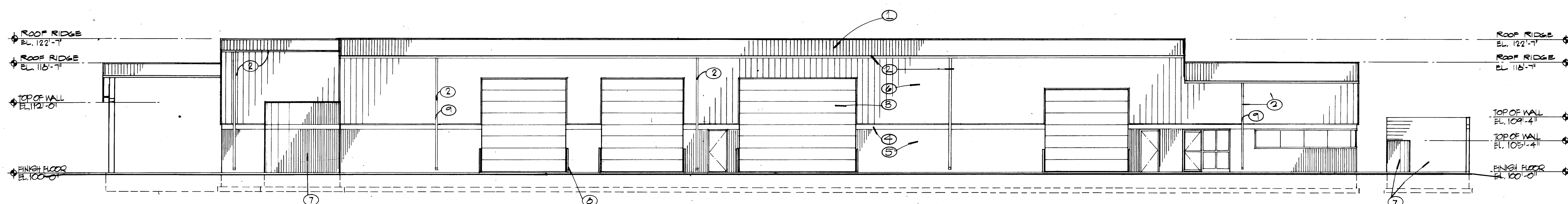
PROJECT NO.
85-25-23

DATE
MAY 1986

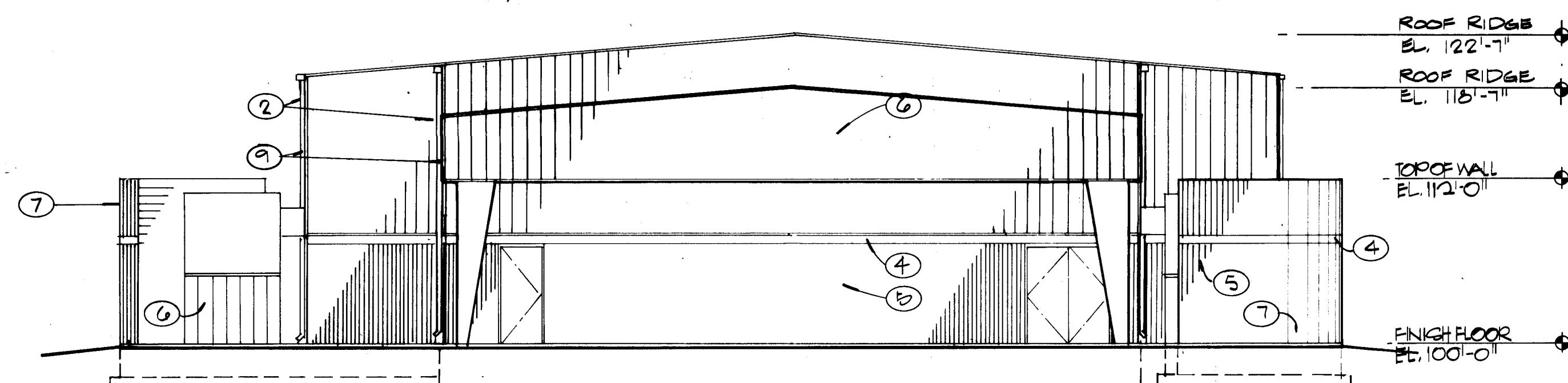
A2.2
SHEET 15 OF 30

KEYED NOTES

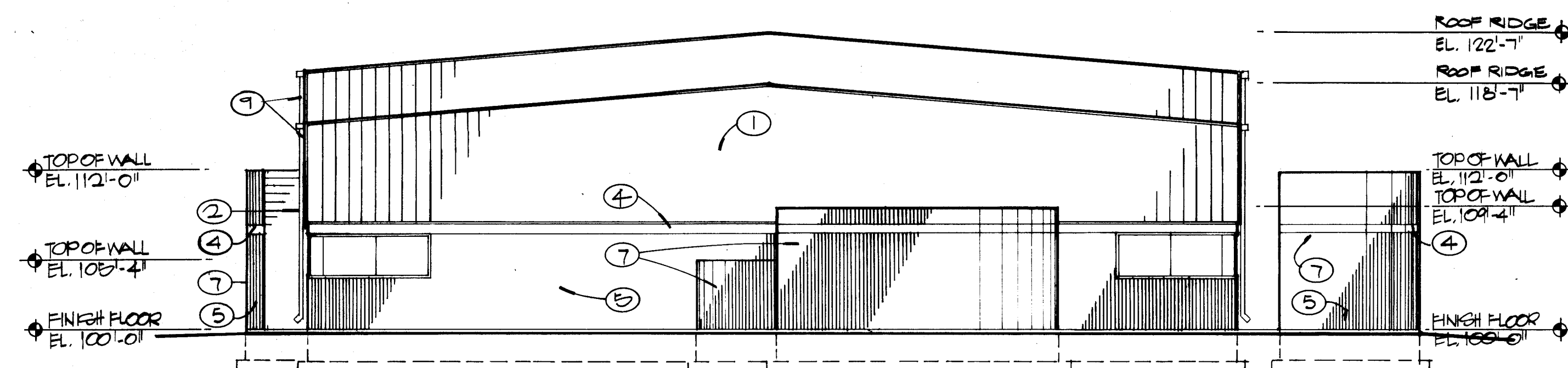
1. METAL ROOF
2. METAL GUTTER & DOWNSPOUT
3. OVERHEAD DOOR
4. CMU ACCENT STRIPE (STD. CMU.)
5. RIBBED CMU
6. EXTERIOR WALL PANEL
7. EQUIPMENT SCREEN
8. GUARD POST
9. PROVIDE STOAP ANCHORS AT 5'-0" O.C. TYP



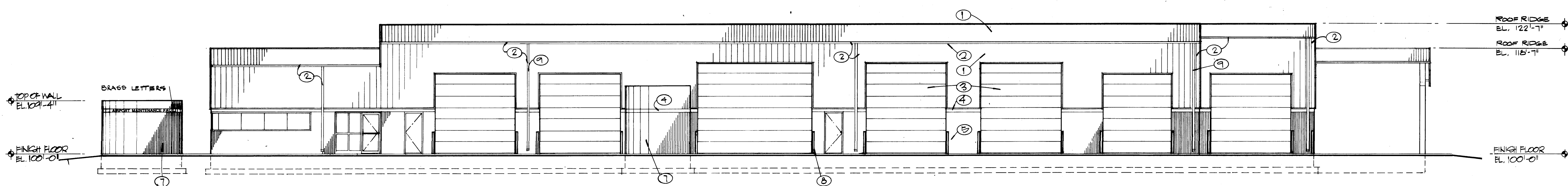
SOUTH
SCALE: 1/8" = 1' - 0"



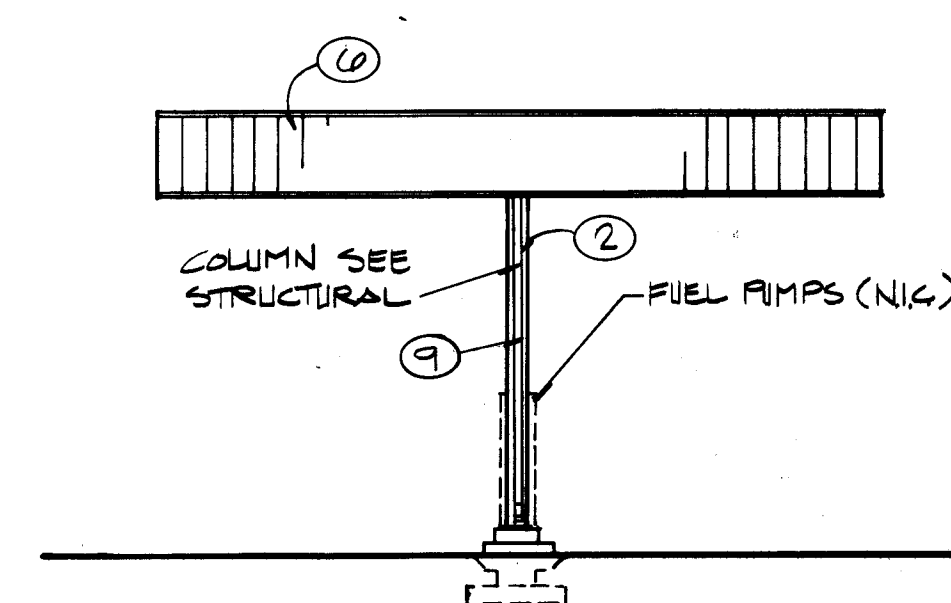
WEST
SCALE: 1/8" = 1' - 0"



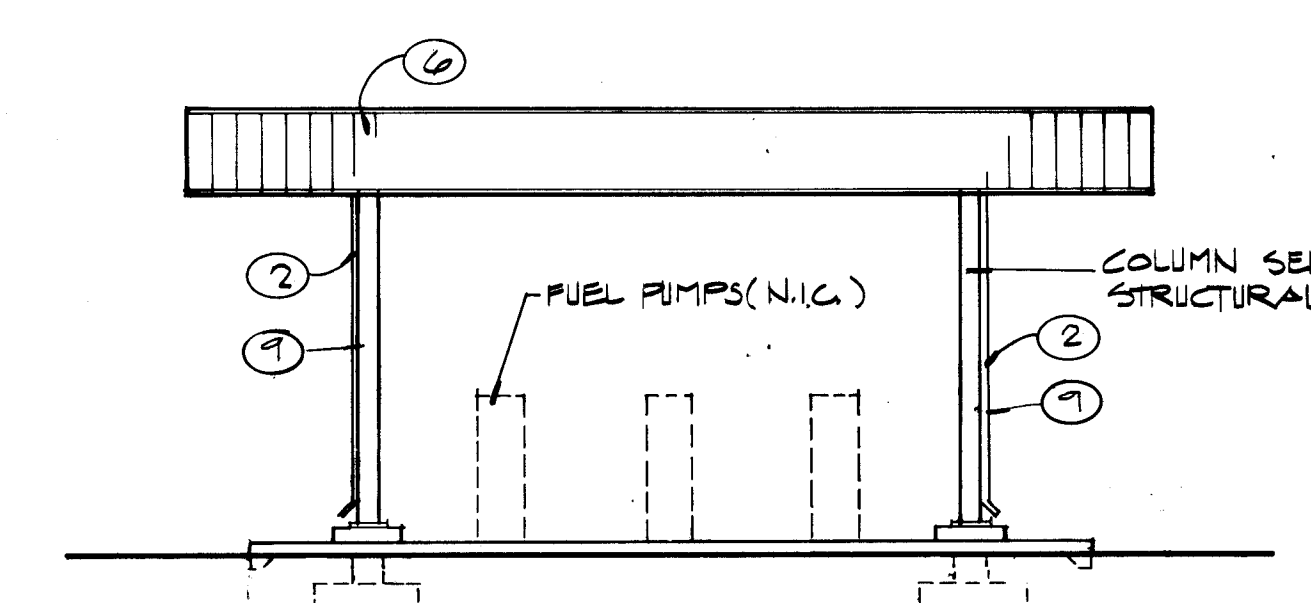
EAST
SCALE: 1/8" = 1' - 0"



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



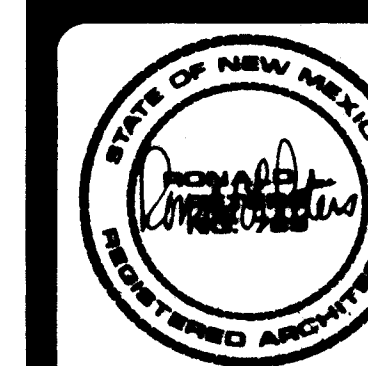
FUEL ISLAND CANOPY-ALTERNATE NO. 4
SCALE: 1/8"=1'-0"



FUEL ISLAND CANOPY-ALTERNATE NO. 4
SCALE: 1/8"=1'-0"

1 2 3 4 5 6 7 8 9 10 11 12
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CITY PROJECT NO. 2869



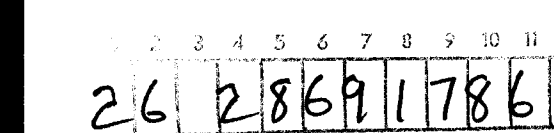
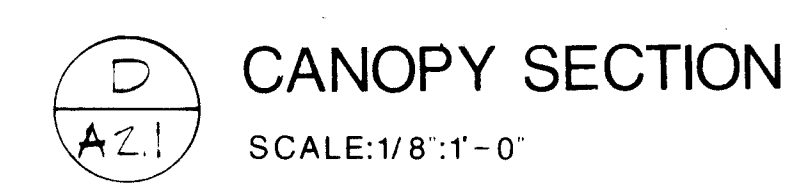
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A4.1
SHEET 16 OF 30

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EL	EL
A4.1	A4.1



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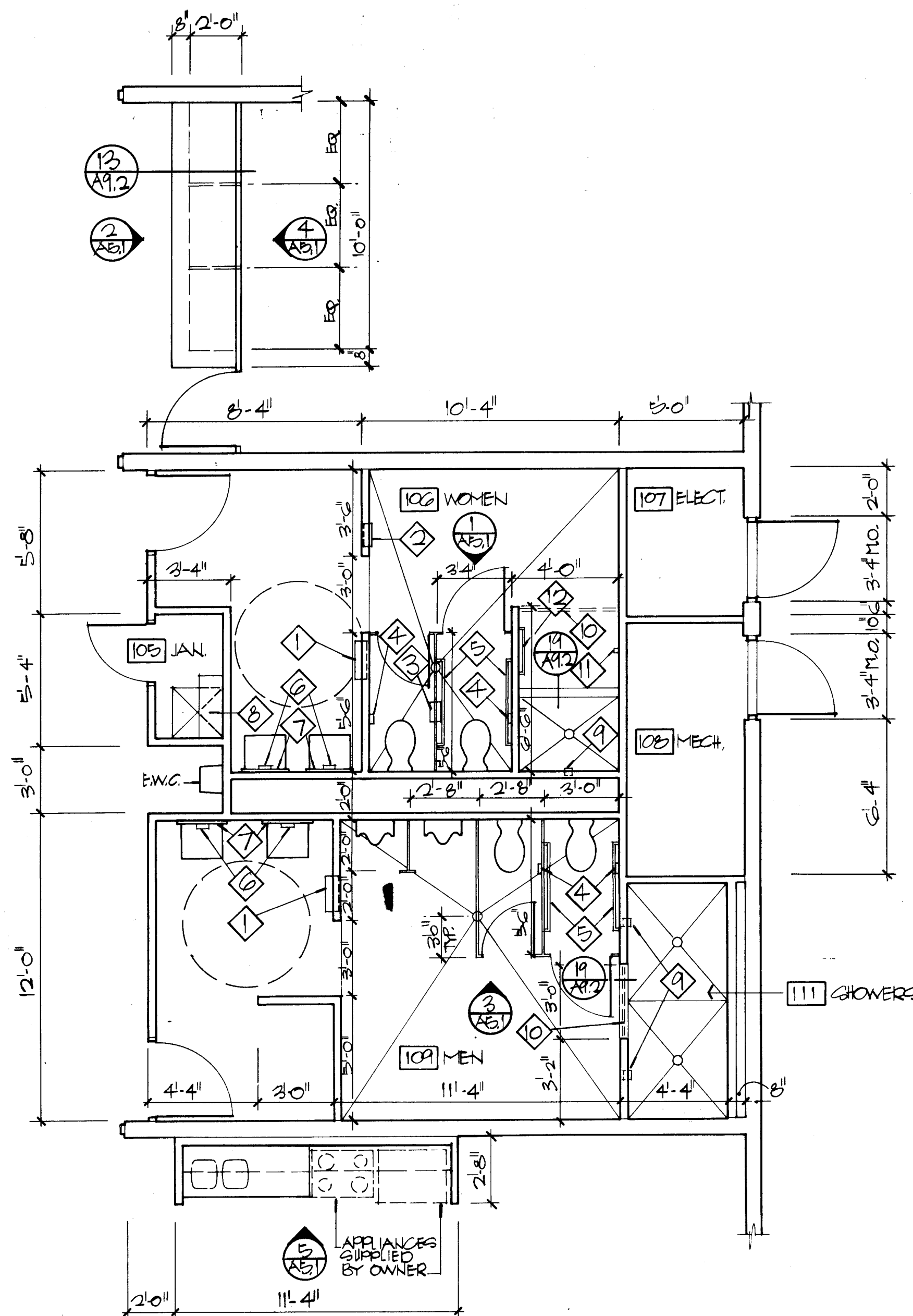
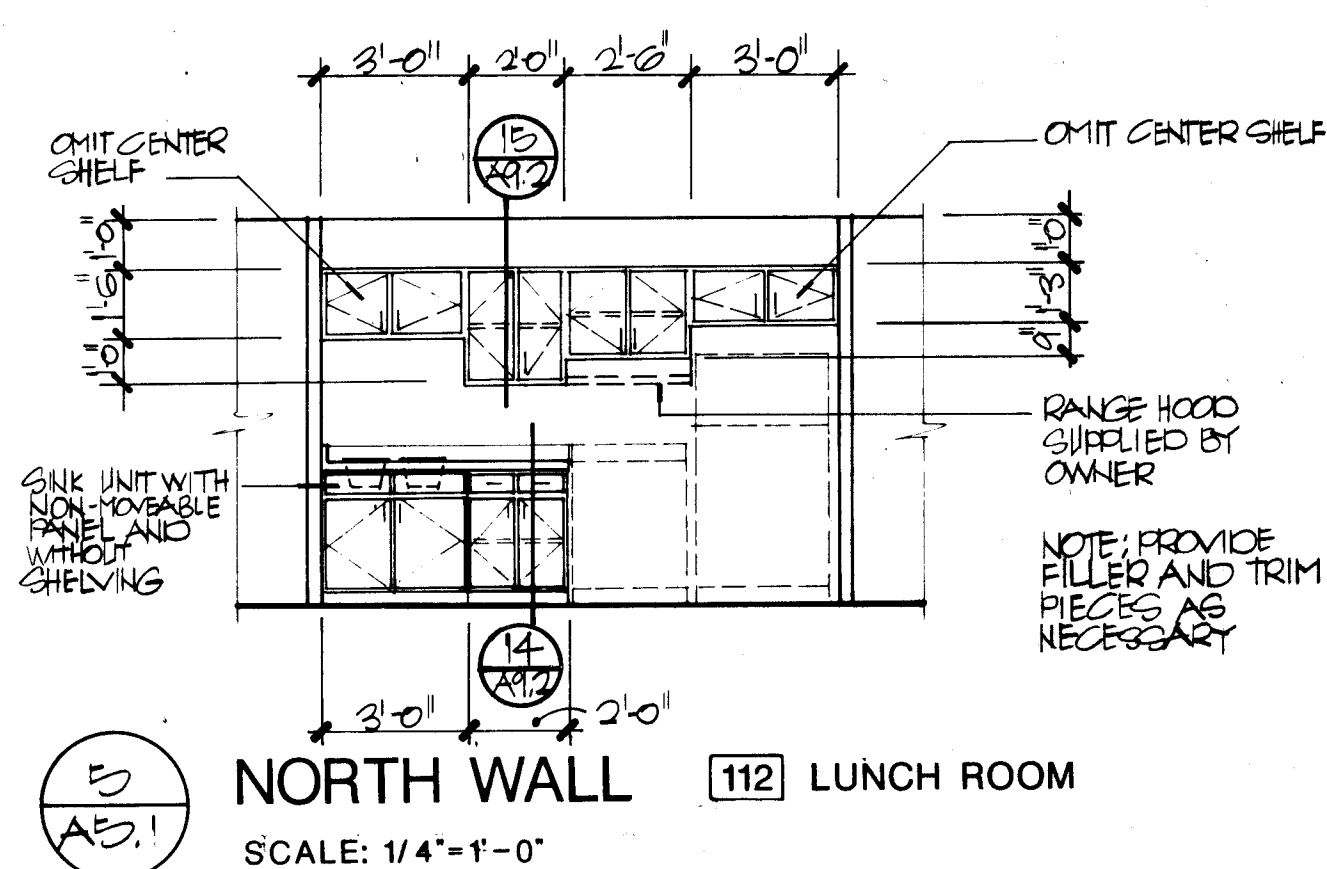
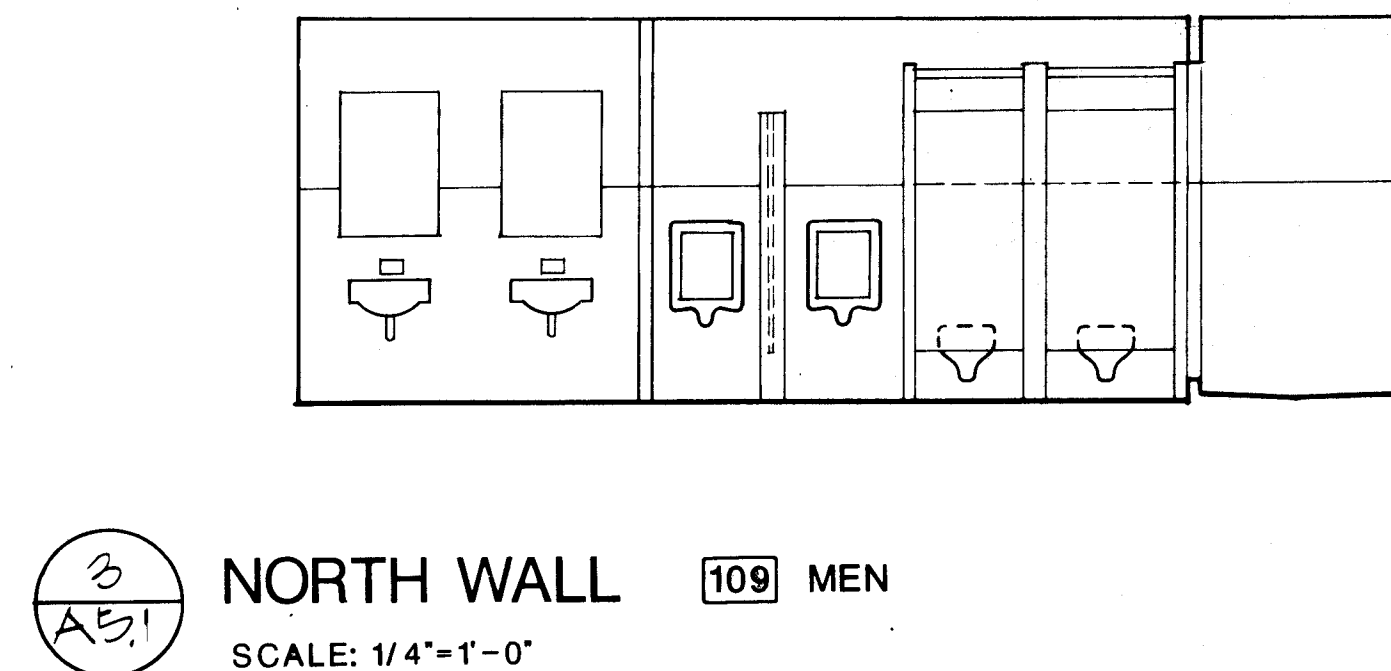
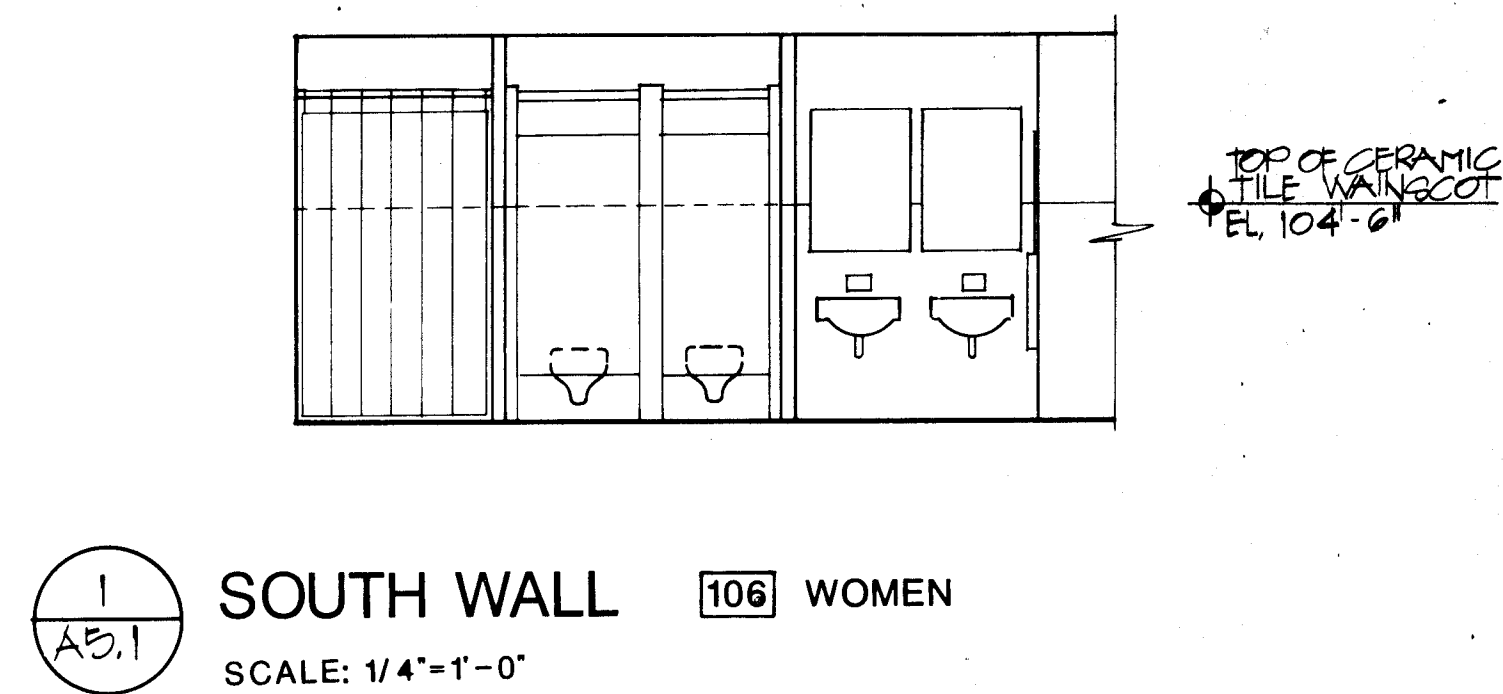
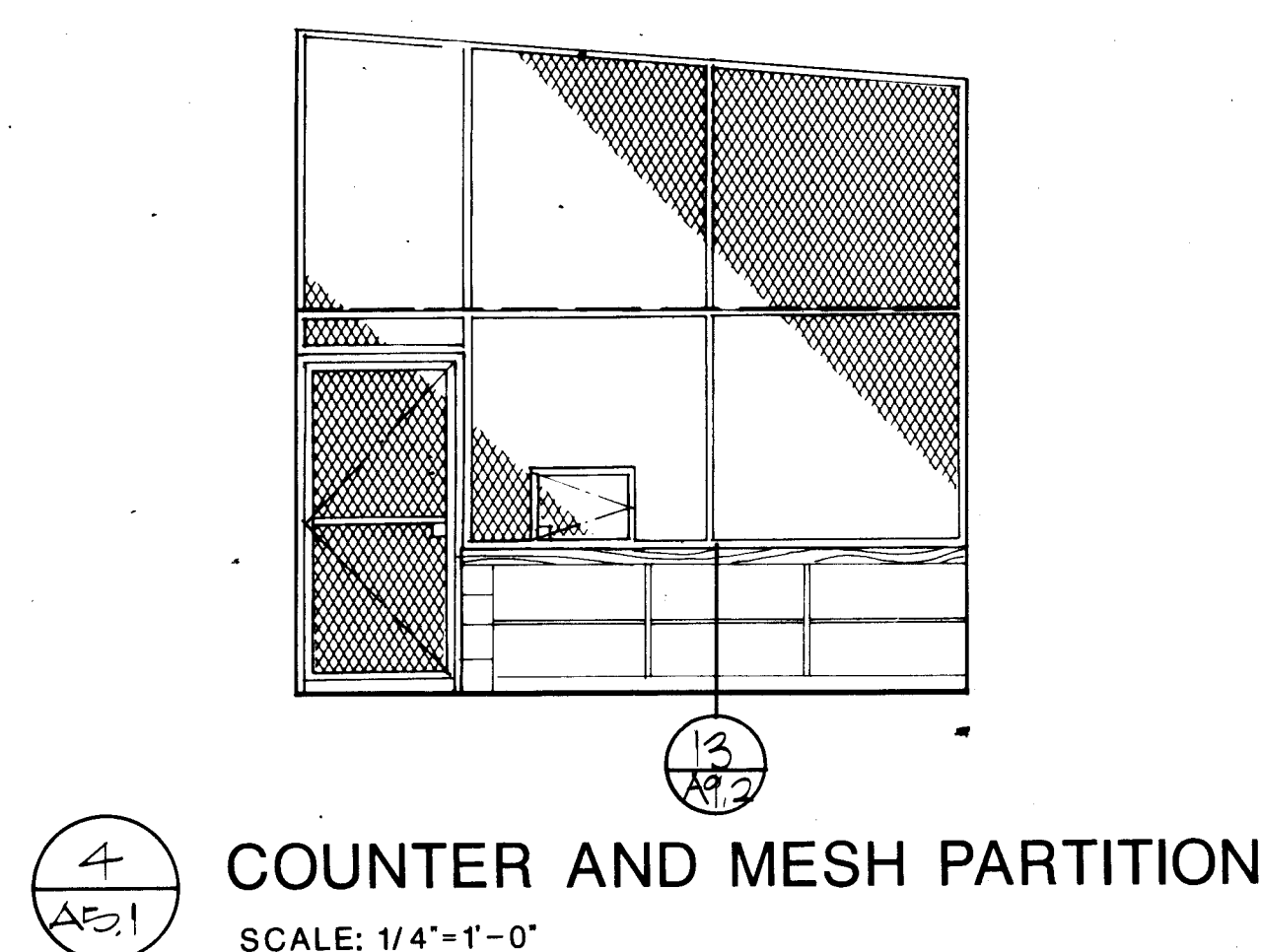
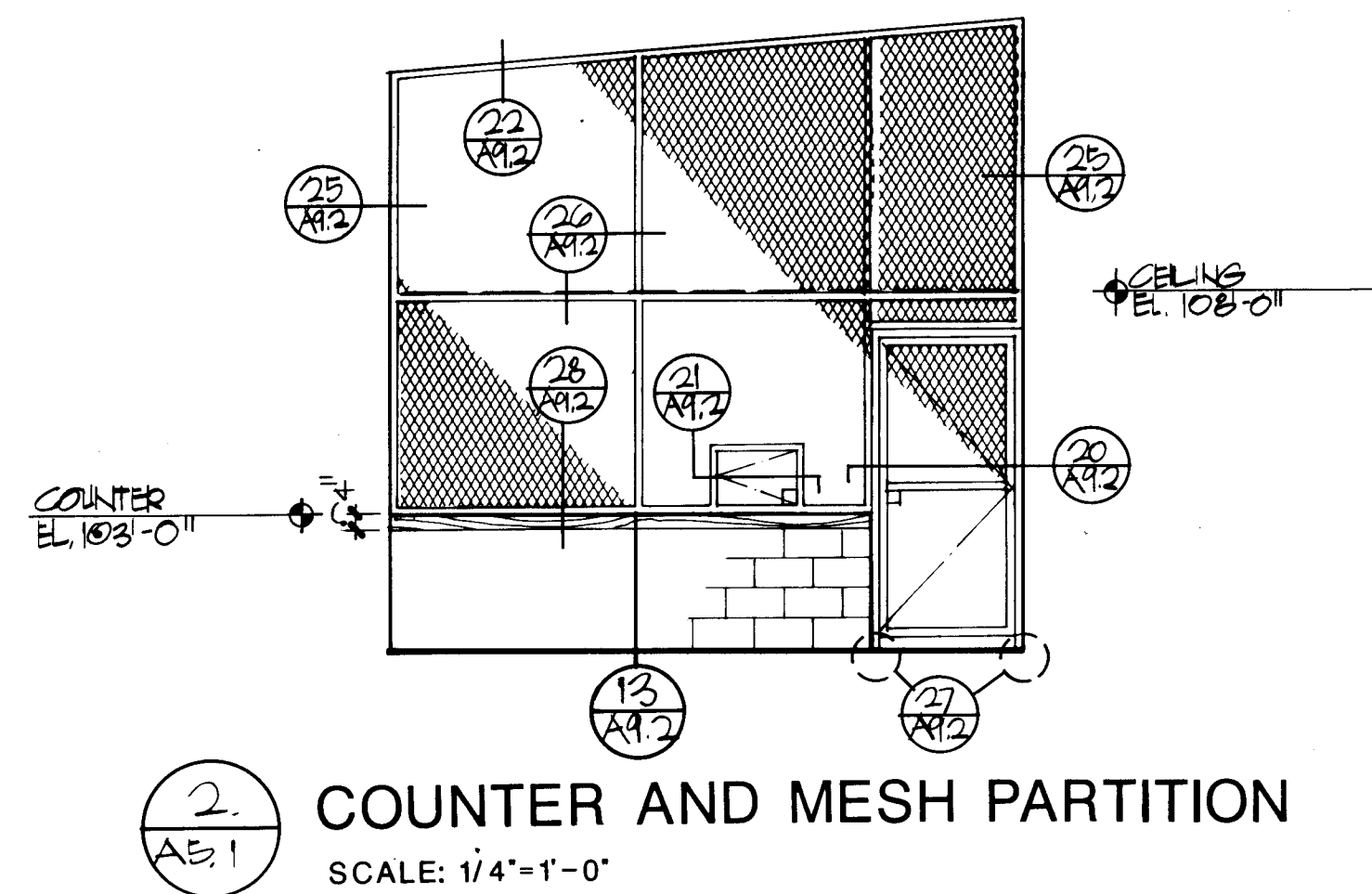


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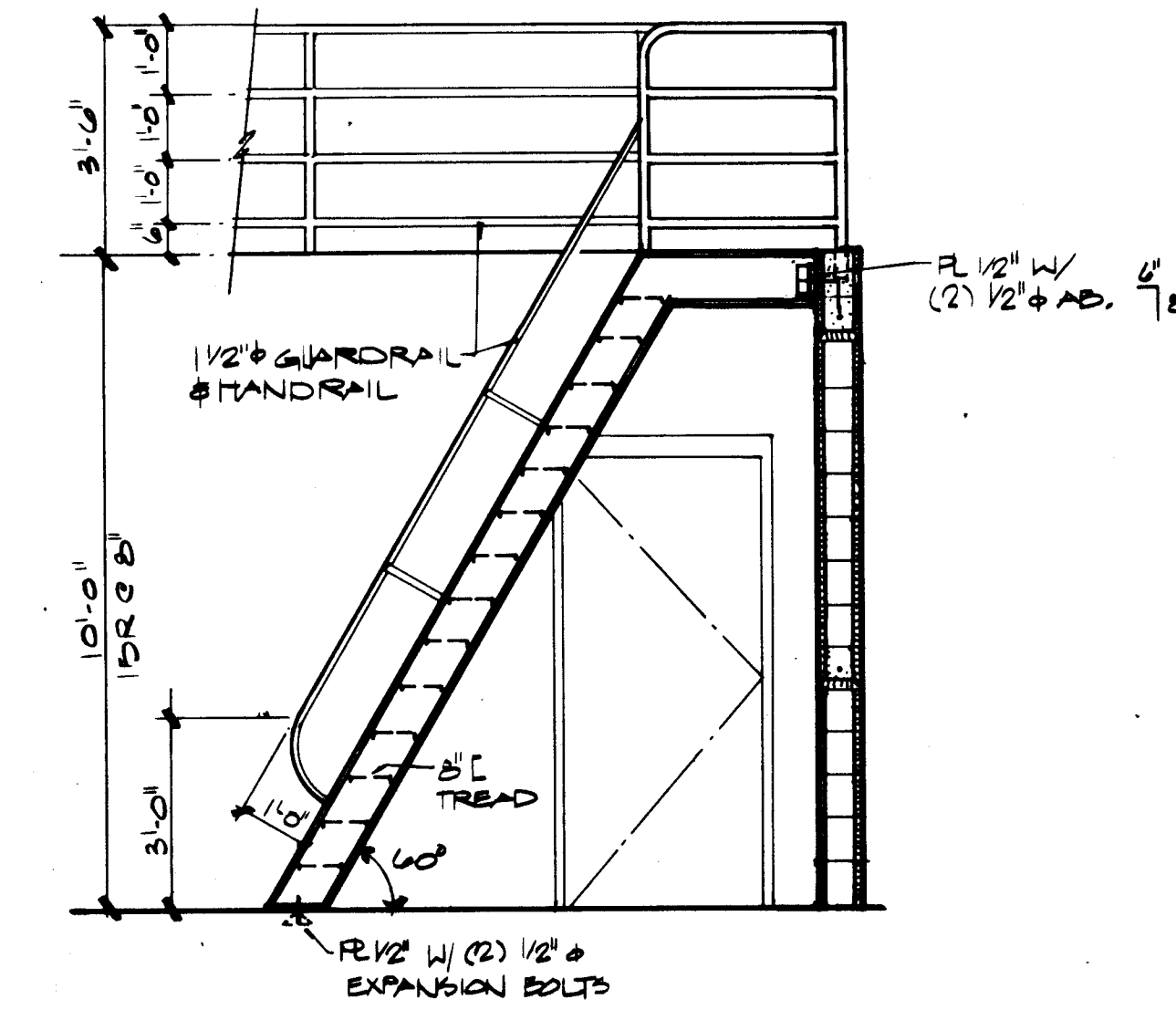
MAY 1986

A4.2
SHEET 17 OF 30

	A 4.2	BS	TB
	A 4.2	BS	TB



TOILET ACCESSORIES			
MARK	DESCRIPTION	MOUNTING HT. (TO TOP, A.F.F.)	MODEL NO.
1	TOWEL DISP./WASTE	60"	Bobrick B-3944
2	NAPKIN DISPENSER	57"	Bobrick B-35024
3	NAPKIN DISPOSAL	34"	Bobrick B-3544*
4	TOILET TISSUE DISP.	20"	Bobrick B-274
5	GRAB BAR	36"	Bobrick B-6206
6	SOAP DISPENSER	-	Bobrick B-8295
7	MIRROR	76"	Bradley 700
8	MDP RACK/SHELF	60"	Bobrick B-224
9	SOAP DISH	50"	Bobrick B-680
10	CURTAIN ROD	84"	Bobrick B-6047
11	ROBE HOOK	60"	Bobrick B-670
12	TOWEL BAR	50"	Bobrick B-674



GENERAL NOTES
A. PROVIDE BLOCKING FOR FUTURE GRAB BARS IN STUD WALLS IN SHOWER STALLS.

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CITY PROJECT NO. 2869

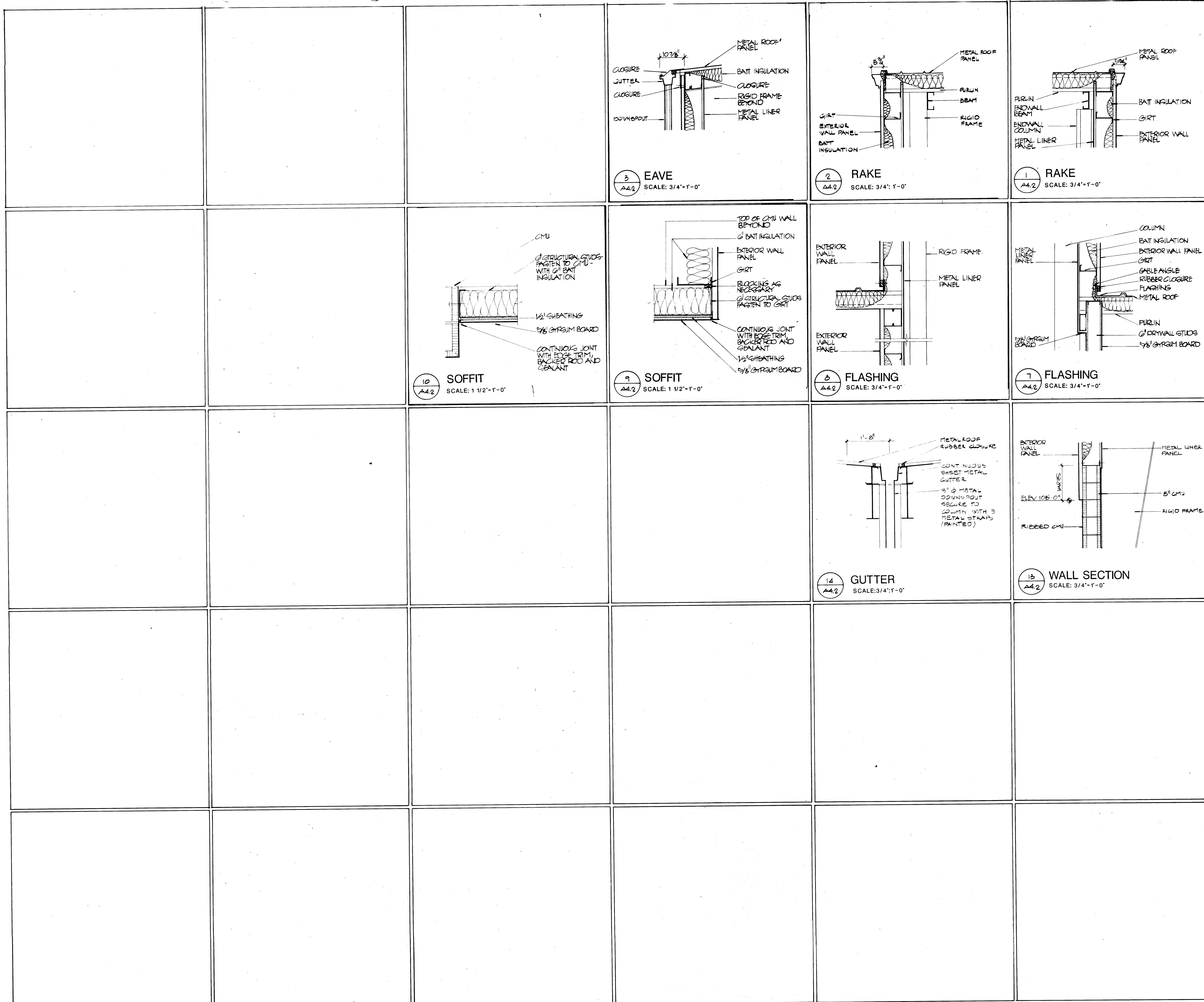


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GENERAL NOTES
1. SECURE ALL VINYL FACED ROOF INSULATION WITH 17 GAUGE POULTRY MESH. INSURE 100% COVERAGE.

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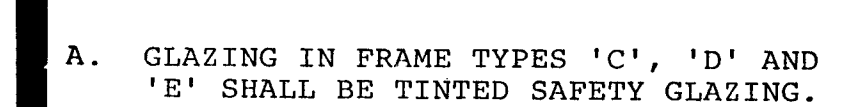
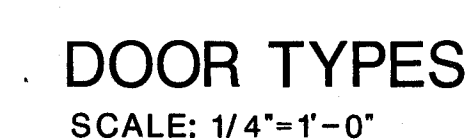
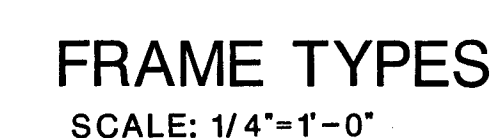


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SHEET 19 OF 30

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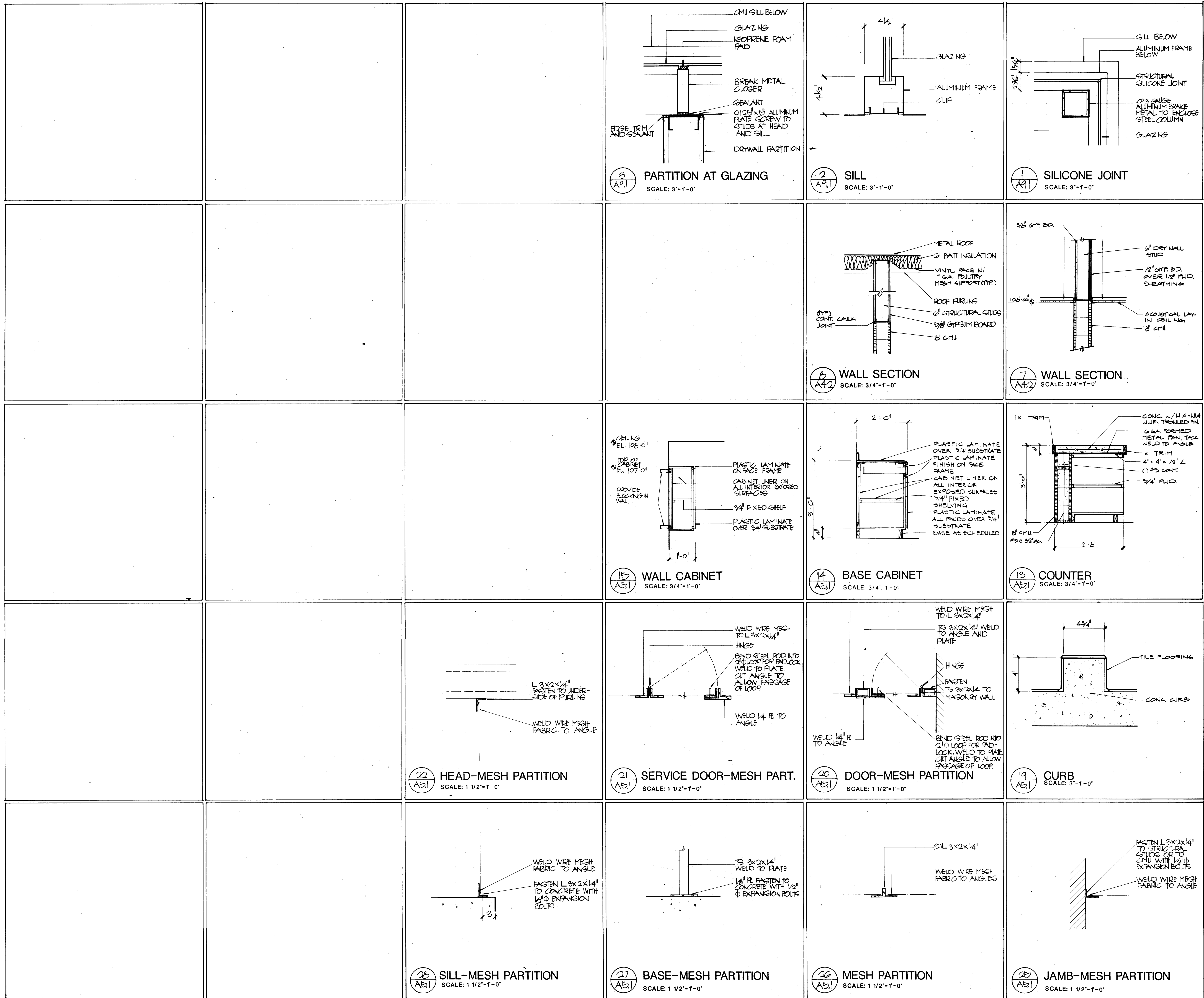


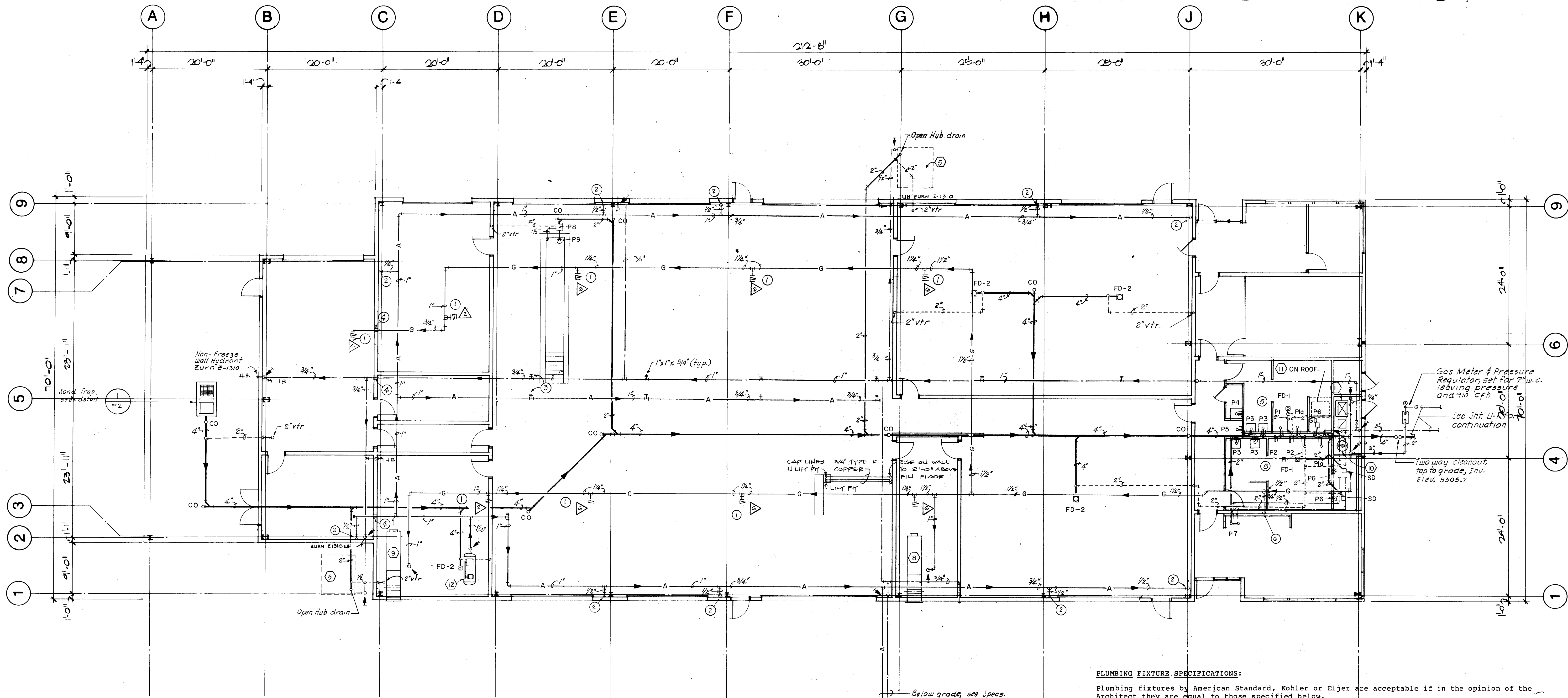
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85-25-23

DATE MAY 1986

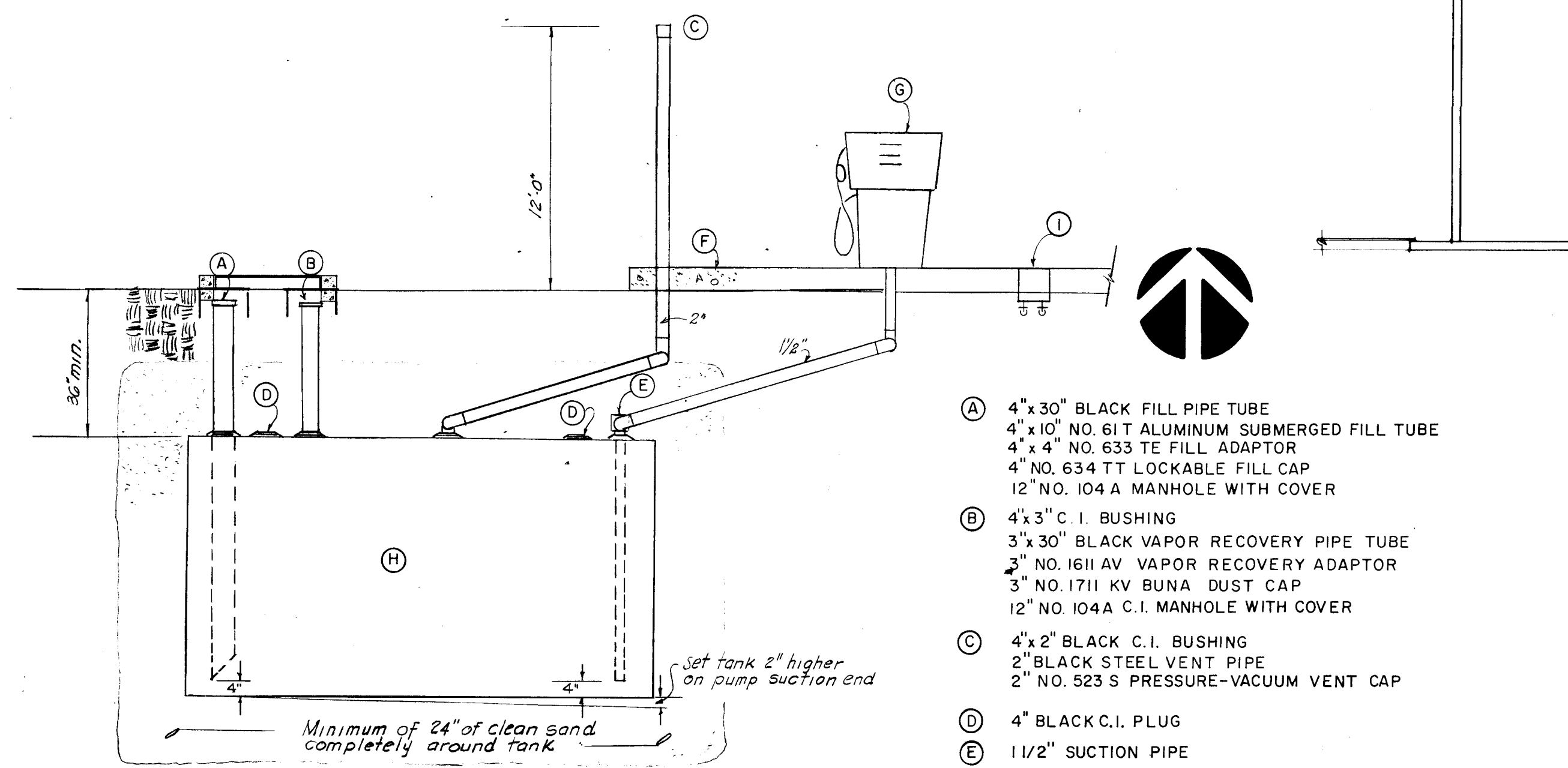
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SHEET 20 OF 30





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



GAS/DIESEL SCHEMATIC

NO SCALE
NOTE: TYPICAL OF THREE SYSTEMS

PLUMBING FIXTURE SPECIFICATIONS:

Plumbing fixtures by American Standard, Kohler or Eljer are acceptable if in the opinion of the Architect they are equal to those specified below.

P1 WATER CLOSET:

American Standard elongated cadet No. 2109.056, close coupled tank, floor mounted, Church No. 5330.063 seat and 3/8" chrome plated supply with stop.

P1a WATER CLOSET:

American Standard elongated cadet No. 2108.058, close coupled tank, floor mounted (18" high) Church No. 5330.063 seat and 3/8" chrome plated supply with stop.

P2 URINAL:

American Standard Washbrook No. 6500.011, wall hung on carrier by Zurn, Wade, Josam or Smith, Flush valve Sloan No. 186-11.

P3 LAVATORY:

American Standard Scotian No. 0361.055, 20" x 18" vitreous china, wall hung on concealed arms by Zurn, Wade, Josam or Smith, pop-up drain, single handle faucet No. 2379.018, 3/8" chrome plated supplies with wheel handle stops and 1 1/4" chrome plated P trap.

P4 SERVICE SINK:

Floor mounted molded stone, 24" x 24" x 10" deep, dome strainer with lint basket, 3" cast iron P trap below floor, faucet shall have wall brace, vacuum breaker, hose end and bucket hook. Flat NSS-2424, faucet 8300A.

P5 ELECTRIC WATER COOLER:

Haws model HWS-13, wall hung, 14 gph capacity, 3/8" supply with wheel handle stop and 1 1/4" chrome plated P trap. Elkey, Oasis or approved equal.

P6 SHOWER:

Slip-resistant lever, pressure equalizing type with built-in stops, furnish with 3 gpm shower head, arm and escutcheon. Powers or approved equal.

P7 COUNTER SINK:

Counter mounted, two compartments, 18 ga, stainless steel, 29" x 18" x 7 1/2" deep, self-rimming, chrome plated single lever swing faucet, 3/8" supplies with wheel handle stops, 1 1/2" chrome plated P trap with continuous waste. Furnish and install disposer, In-sink-Brator Model No. 333, 1/2 hp or approved equal.

P8 Oil Interceptor:

Rated for 10gpm with 2-inch inlet and outlet connections, internal air release by-pass, double wall trap seal, combination pressure equalizing/floor diffusing baffle, sediment bucket, horizontal baffle, adjustable oil draw-off, gas and water tight gasket and non-skid cover. Zurn Z-1186 or approved equal.

P9 Submersible Pump:

Cast iron housing, bronze impeller and stainless steel shaft, thermal overload protection, capacity of 10gpm at 11 ft. head. 1/3 hp, 120-1-60. Aurora Model NSS-1041 or approved equal.

FD-1 FLOOR DRAIN:

Zurn Z-415 with 7" diameter type B strainer, polished bronze 2" size.

FD-2 FLOOR DRAIN:

Zurn Z-1910 with dome strainer, full grate, 4" size.

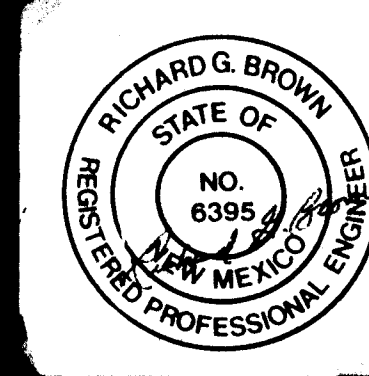
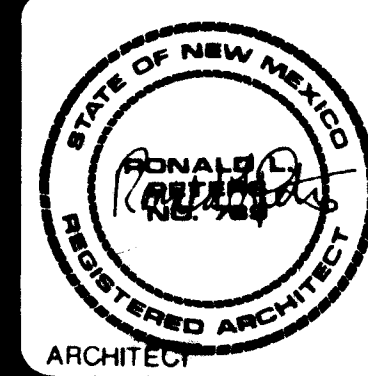


KEYED NOTES:

- ① Gas connection to burner shall be made with 1/8" flexible metallic connector.
- ② Install quick connector and blow-down globe valve at 4'-0" above floor.
- ③ Indicates plugged tee.
- ④ Sleeve thru wall.
- ⑤ See sheet P2 for water, waste and vent piping schematic.
- ⑥ Rough-in & connect gas range, furnish and install flex. conn. & gas cock.

261-28692286

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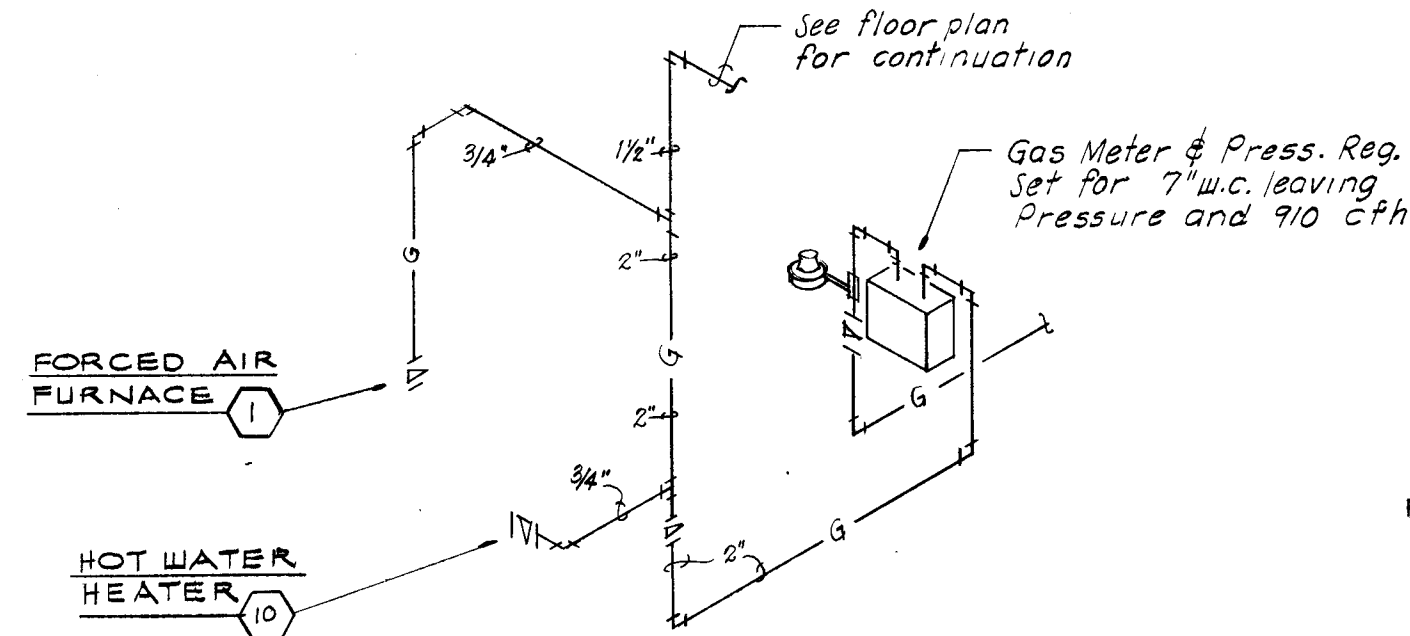
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MAY 1986

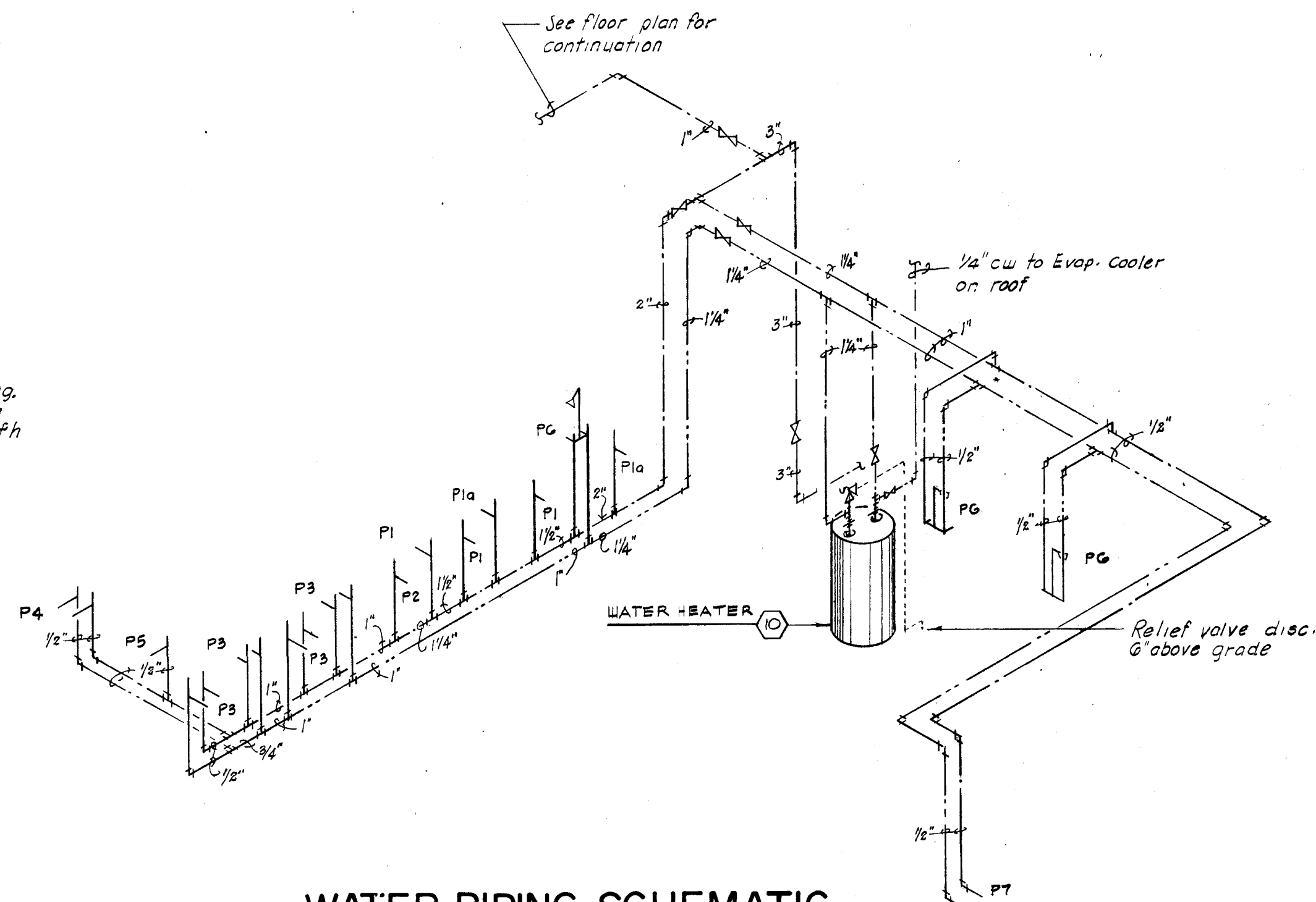
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P1

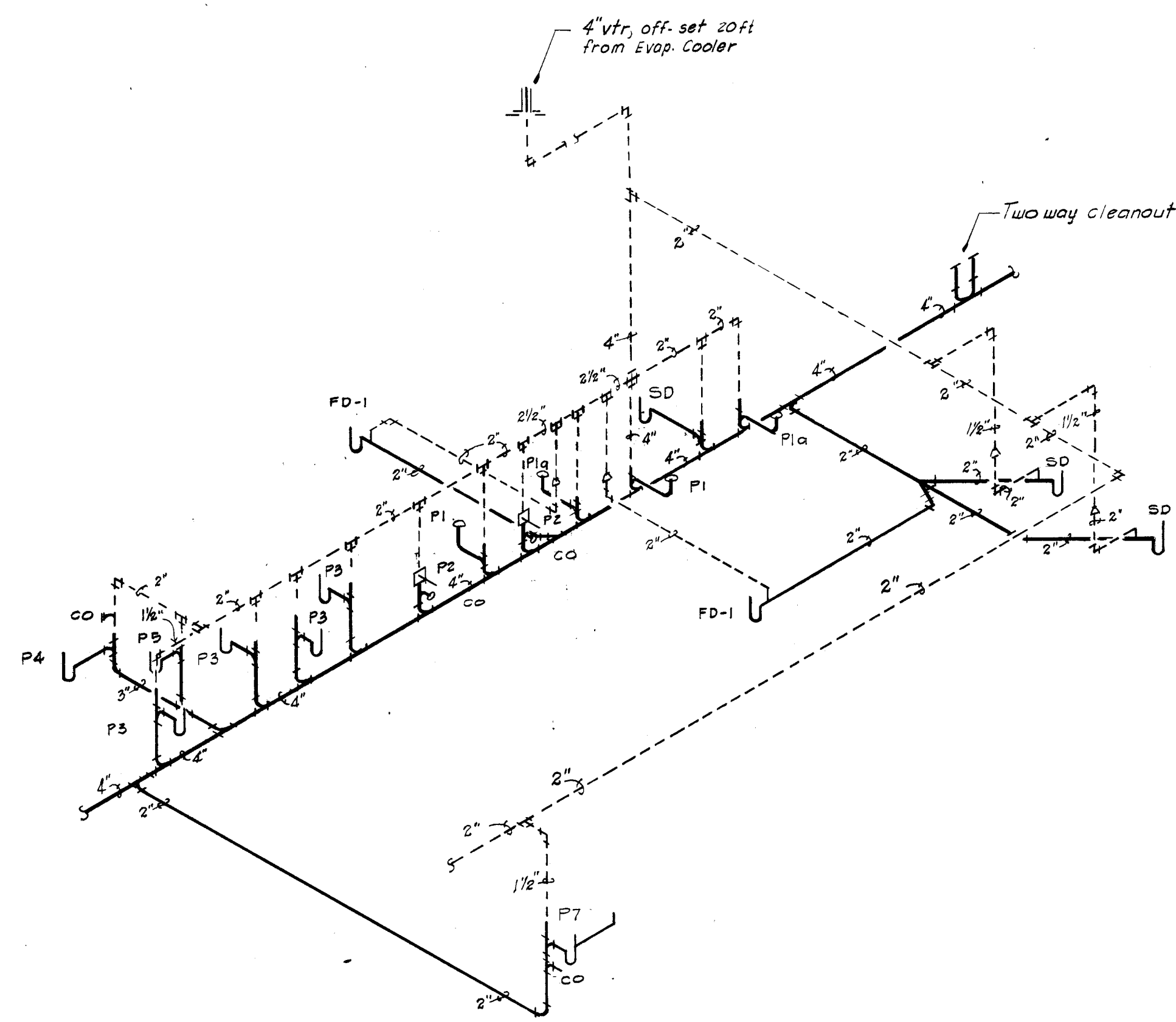
SHEET 22 OF 30



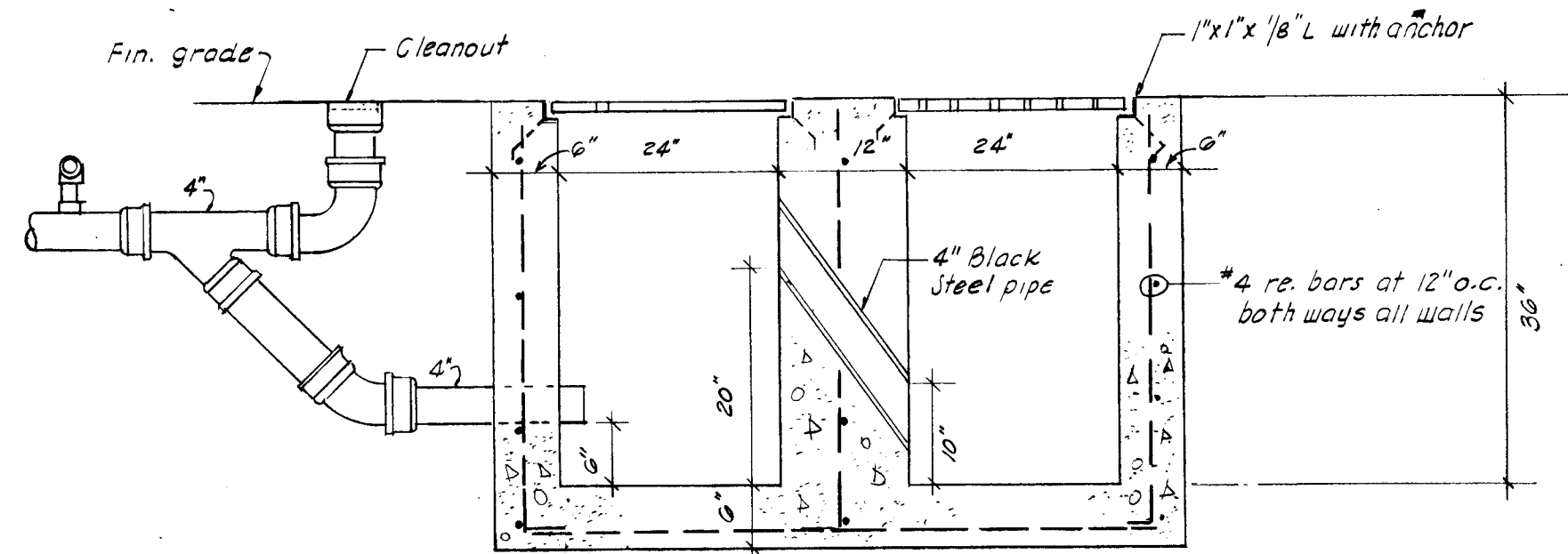
GAS PIPING SCHEMATIC
NO SCALE



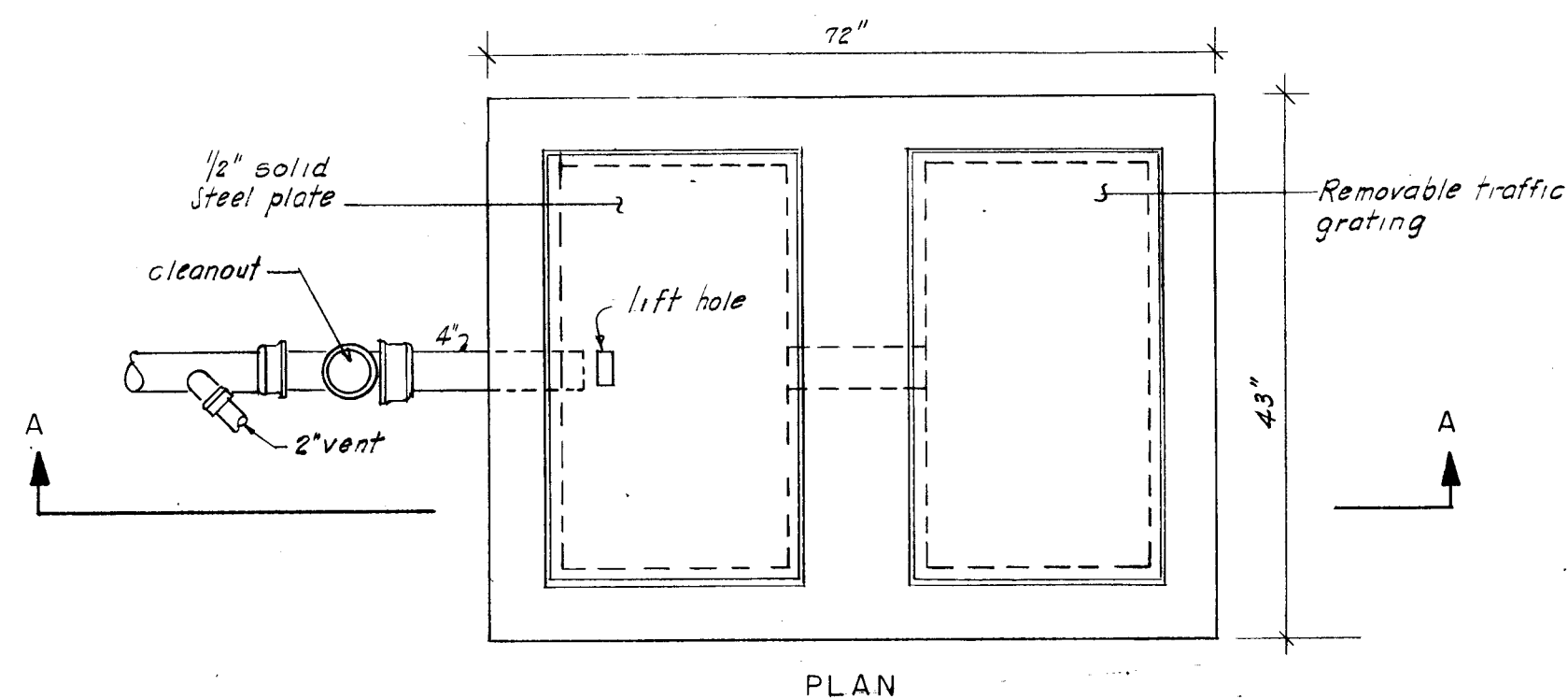
WATER PIPING SCHEMATIC
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SOIL & VENT PIPING SCHEMATIC
NO SCALE

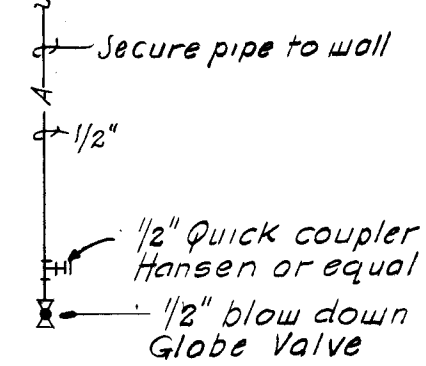


SECTION A-A

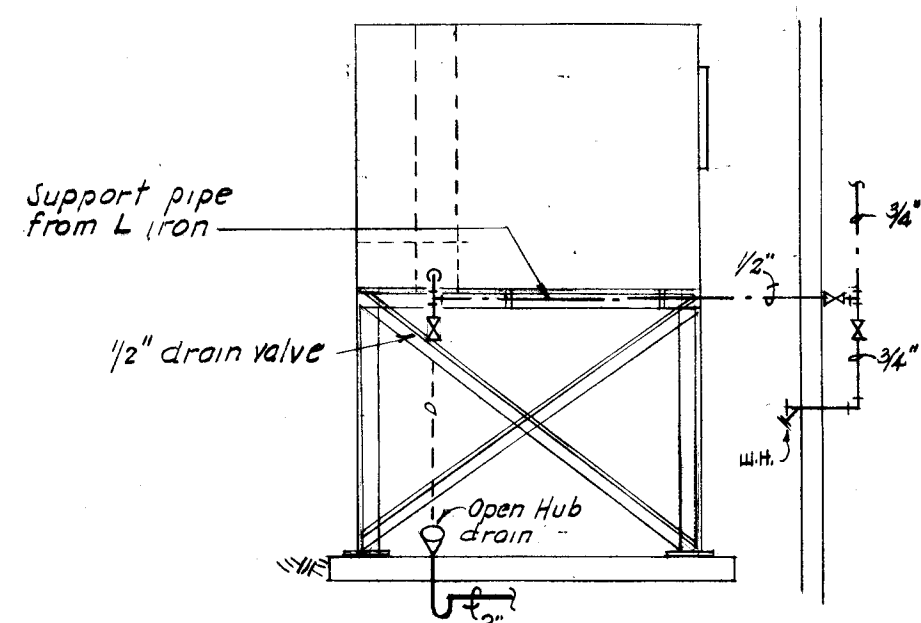


PLAN

SAND TRAP DETAIL
NO SCALE



QUICK COUPLER DET.
NO SCALE



AIR WASHER PIPING DETAIL
NO SCALE

SYMBOL	DESCRIPTION
---	SOL
----	VENT
----	COLD WATER
----	HOT WATER
----	GAS
----	COMPRESSED AIR
----	GATE VALVE
----	PLUG COCK
----	VALVE IN RISE
----	VENT THRU ROOF
----	CLEANOUT
----	TEMP. & PRESS. RELIEF VALVE

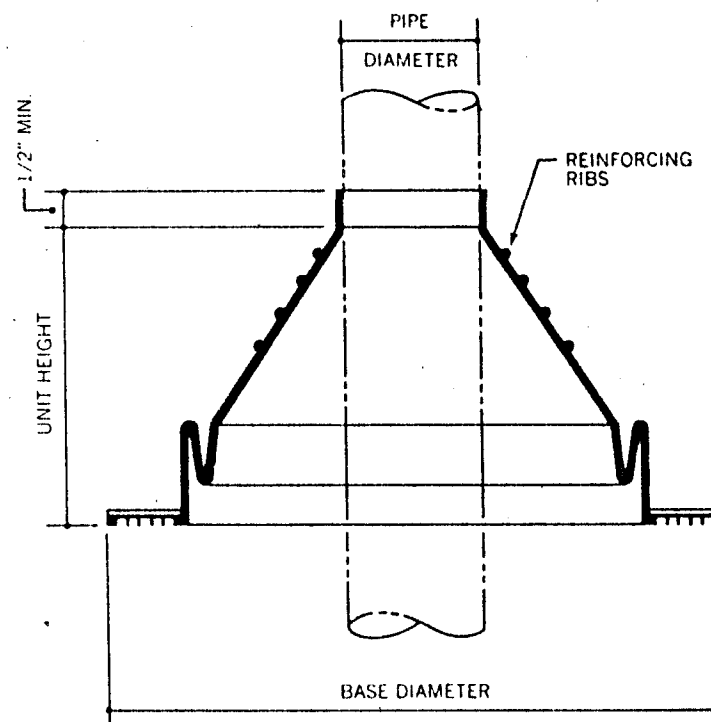
LEGEND

SYMBOL	DESCRIPTION	TRAP	VENT	CW	HW
P1	WATER CLOSET	3"	2"	1/2"	---
P1a	WATER CLOSET	3"	2"	1/2"	---
P2	URINAL	2"	1/2"	1"	---
P3	LAVATORY	1 1/4"	1/4"	1/2"	1/2"
P4	SERVICE SINK	3"	2"	1/2"	1/2"
P5	ELECTRIC WATER COOLER	1/4"	1/4"	1/2"	1/2"
P6	SHOWER	---	---	1/2"	1/2"
P7	COUNTER SINK	1 1/2"	1/2"	1/2"	1/2"
SD	SHOWER DRAIN	2"	1/2"	---	---
FD-1	FLOOR DRAIN	2"	1/2"	---	---
FD-2	FLOOR DRAIN	4"	2"	---	---

PLUMBING FIXTURE SCHEDULE

PIPE SIZE (OUTSIDE DIAMETER)	BASE DIAMETER	UNIT HEIGHT
1/4" To 4"	7 1/2"	4"
4" To 7"	10 1/2"	5"
7" To 13"	16 1/2"	6"

DIMENSIONS



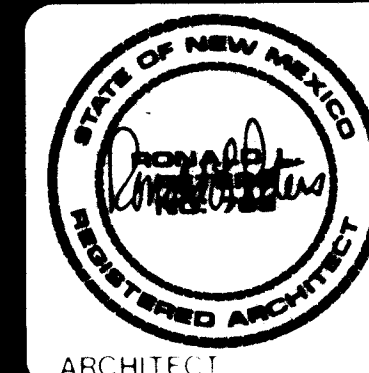
SPECIFICATIONS

Pipe flashing units shall be constructed of E.P.D.M. (Ethylene Propylene Diene Monomer) rubber as manufactured by DuPont (Norden® 1440 Hydrocarbon). Unit shall be black in color. A ductile aluminum (alloy A1100-0) reinforcing ring shall be bonded to a rubber flange on the base of the flashing unit. Pipe flashing shall be installed in accordance with Butler Manufacturing Company erection drawings.

VENT THRU ROOF DETAIL
NO SCALE

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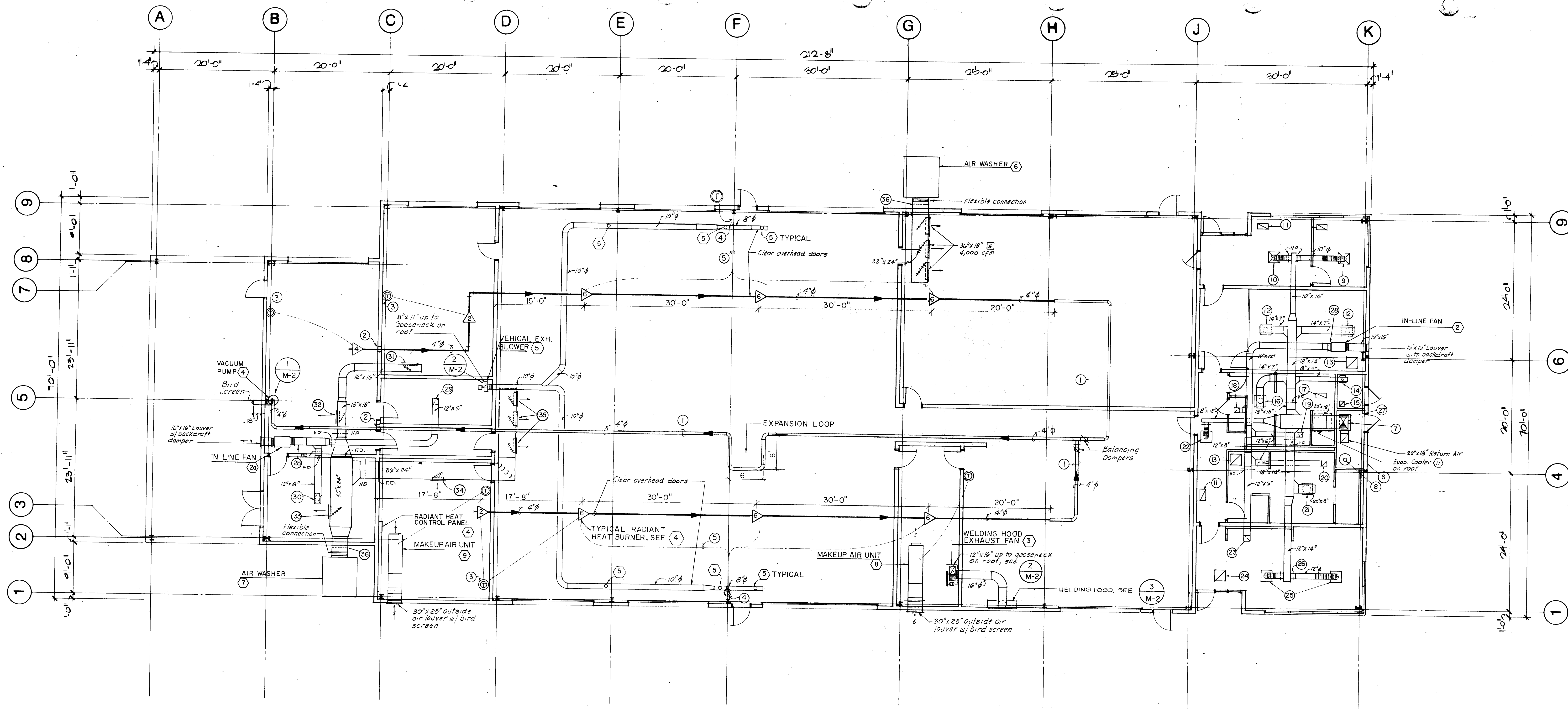
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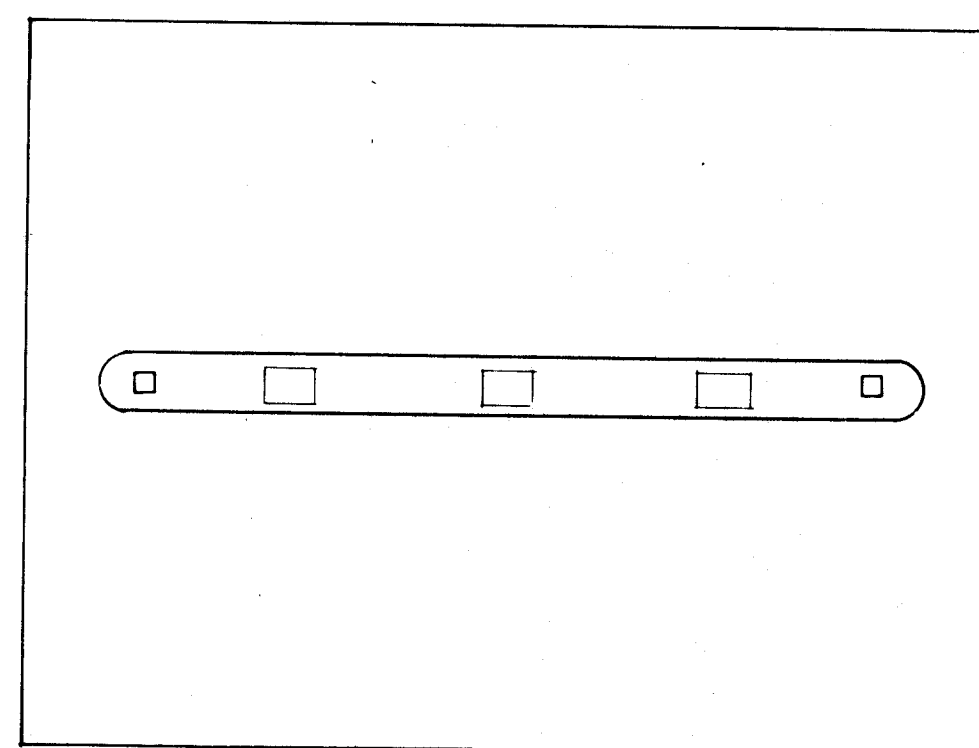
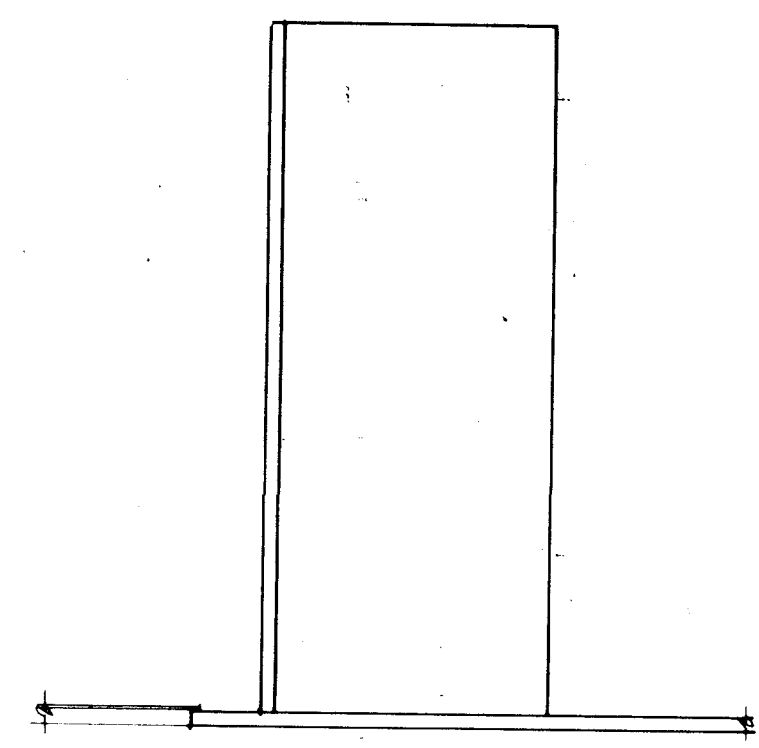
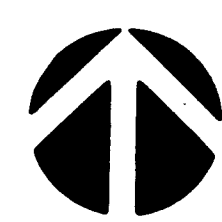
DRAWING NO.

P2

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



GRILLE AND DIFFUSER SCHEDULE

GENERAL NOTES: Grilles and registers shall be fabricated of steel or aluminum unless the material is specifically called out in the schedule below. Steel grilles and registers shall receive a zinc phosphate prime coat and a baked white enamel finish. Aluminum grilles and registers shall also be finished in baked white enamel unless the natural anodized aluminum finish is called out below. The type of grille or register is shown by symbol number on the plans. Should a symbol number be missing, the appropriate device shall be furnished after referring to the Architectural Room Finish Schedule. The Architectural Room Finish Schedule shall take precedence over the symbol designation, discrepancies shall be clearly noted on the submittals. Ceiling Sub-Contractor shall furnish additional T-bars or splines as required to support and finish around ceiling mounted diffusers and grilles. Equipment manufactured by Carnes, Anaconda/Waterloo, Krueger, Barber Coleman, Titus, and Tuttle and Bailey will be acceptable if equal in quality, appearance, and noise levels to that specified.

A. CEILING DIFFUSER: Lay-in type for T-bar ceiling with outside frame dimensions as scheduled below, baked white enamel finish, adjustable pattern. Perforated face.

CFM Range	Outside Frame Dimensions	Min. Neck Size	Tuttle and Bailey
80	11-3/4" x 11-3/4"	5"	SAAT TXS DA
81-139	11-3/4" x 11-3/4"	6"	SAAT TXS DA
140-245	23-3/4" x 23-3/4"	8"	SAAT TXS DA
246-350	23-3/4" x 23-3/4"	10"	SAAT TXS DA
351-500	23-3/4" x 23-3/4"	12"	SAAT TXS DA
501-610	23-3/4" x 23-3/4"	14"	SAAT TXS DA

B. CEILING DIFFUSER: For use with acoustical tile or gyboard ceiling, neck sizes as scheduled below, aluminum or steel construction adjustable pattern, volume control, and baked white enamel finish.

CFM Range	Nom. Outside Frame Dimensions	Min. Neck Size	Tuttle and Bailey
139	12"x12"	6"	SPA TXS DAE
140-245	24"x24"	8"	SPA TXS DAE
246-350	24"x24"	10"	SPA TXS DAE
351-500	24"x24"	12"	SPA TXS DAE
501-610	24"x24"	14"	SPA TXS DAE

C. CEILING RETURN/EXHAUST REGISTER: 1/2" x 1/2" x 1/2" egg crate lay-in type for T-bar ceiling, with opposed blade damper on exhaust and baked white enamel finish, and sized as scheduled.

Maximum CFM	Nom. Size, In.	Carnes	Titus	Krueger	Tuttle and Bailey
250	12"x12"	6490AN	RH-55	EGC-5-TB	CRS508U
530	24"x12"	6490AN	RH-55	EGC-5-TB	CRS508U
1,200	24"x24"	6490AN	RH-55	EGC-5-TB	CRS508U

D. CEILING RETURN/EXHAUST REGISTER: For gyboard ceiling, fabricated of aluminum with frame, baked white enamel finish, and sized as scheduled with opposed blade damper on exhaust.

Maximum CFM	Nom. Size, In.	Carnes	Titus	Krueger	Tuttle and Bailey
90	8"x8"	6290AN	FRH-55	EGC-5	CRS508
250	12"x12"	6290AN	FRH-55	EGC-5	CRS508
530	24"x12"	6290AN	FRH-55	EGC-5	CRS508
1,200	24"x24"	6290AN	FRH-55	EGC-5	CRS508

E. Sillwall Supply Grille: Fabricated of aluminum, size as shown on the drawings. Carnes 6815AH or approved equal.

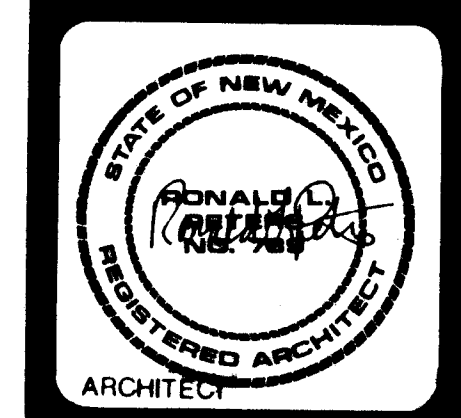


KEYED NOTES

- DOUBLE LINE INDICATES 4" O.D. TUBING WITH INTERNAL COATING OF ACID RESISTING PORCELAIN.
- SLEEVE THRU WALL & PACK WITH CALCIUM SILICATE CEMENT.
- THIS THERMOSTAT MUST BE WIRED WITH THE NEXT DOWNSTREAM BURNER SUCH THAT THE END BURNER CANNOT FIRE UNLESS THE DOWNSTREAM IS FIRING. SEE ELECTRICAL.
- MOUNT THERMOSTAT ON INSULATING BLOCK ON STEEL COL.
- INDICATES BURNERS CONTROLLED BY THERMOSTAT. SEE ELECTRICAL FOR WIRING.
- TWO 10" x 10" COMBUSTION AIR LOUVERS THRU WALL, ONE 12" ABOVE FLOOR, ONE 12" FROM CEILING.
- 7" DIA. FLUE THRU ROOF.
- 3" DIA. FLUE THRU ROOF.
- 24" x 24" A, 330 CFM, 10" DIA. NECK.
- 24" x 24" A, 480 CFM, 12" DIA. NECK.
- 12" x 24" C
- 24" x 24" B, 465 CFM, 12" DIA. NECK
- 24" x 24" D
- 12" x 12" B, 70 CFM, 6" DIA. NECK
- 12" x 12" D
- 24" x 24" B, 430 CFM, 12" DIA. NECK
- 12" x 12" EXH. D, 70 CFM
- 12" x 12" EXH. D, 230 CFM
- 12" x 12" EXH. D, 385 CFM
- 24" x 24" A, 750 CFM, 18" DIA. NECK
- 24" x 24" A, 325 CFM, 10" DIA. NECK
- 12" x 12" EXH. F, 80 CFM.
- 24" x 24" C
- 24" x 24" A, 500 CFM, 12" DIA. NECK
- INDICATES SPIN-IN FITTING W/HAND DAMPER (TYPICAL)
- 30" x 18" SUPPLY FROM EVAP. COOLER ABOVE. SEE EQ. RM. SCHEMATIC SHIT. M-2
- TRANSITION TO 16" x 16". FURNISH AND INSTALL 4" FLEX. CONNECTION ON INLET AND OUTLET TO FAN.
- 12" x 12" EXH. D, 250 CFM.
- 12" x 24" EXH. D, 500 CFM.
- 30" x 16" E, 1425 CFM.
- 22" x 18" E, 1650 CFM.
- 33" x 18" E, 750 CFM.
- 34" x 18" E, 1150 CFM.
- 35" x 30" x 18" E, 2340 CFM.
- FURNISH AND INSTALL SLIDE DAMPER FOR WINTER OPERATION.

2 3 4 5 6 7 8 9 10 11
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CITY PROJECT NO. 2869



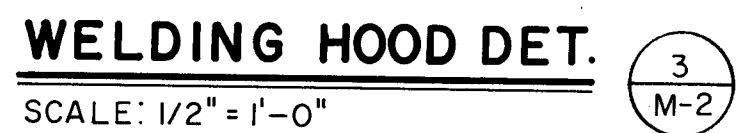
**AIRPORT MAINTENANCE FACILITY
ALBUQUERQUE INTERNATIONAL
AIRPORT
ALBUQUERQUE NEW MEXICO**

PROJECT NO.
85-25-23

DATE
MAY 1986

DRAWING NO.

M1
SHEET 24 OF 30





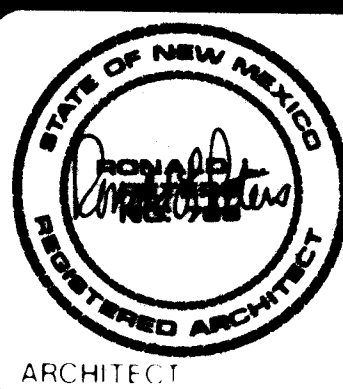
THE BURNS/PETERS GROUP
ARCHITECTS PLANNERS

8000 PENNSYLVANIA CIRCLE N.E.
ALBUQUERQUE, NM 87110
(505) 265-2645

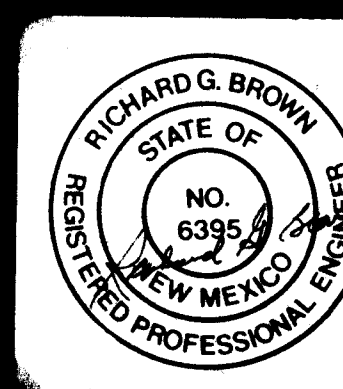
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26 28672586

QTY PROJECT NO. 2869



ARCHITECT



ENGINEER

AIRPORT MAINTENANCE FACILITY
ALBUQUERQUE INTERNATIONAL
AIRPORT
ALBUQUERQUE NEW MEXICO

PROJECT NO.
85-25-23

DATE
MAY 1986

DRAWING NO.

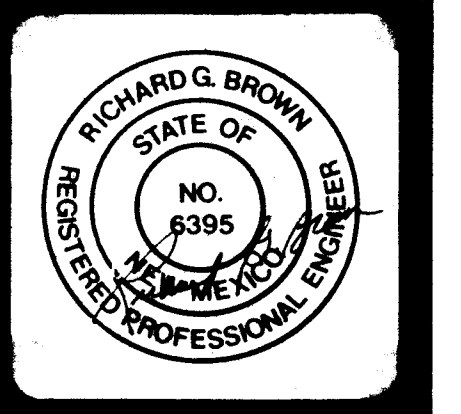
M2

SHEET 25 OF 30

KEYED NOTES
① Valve and cap 1" water for Irrigation

26 28692686

CITY PROJECT NO. 2869

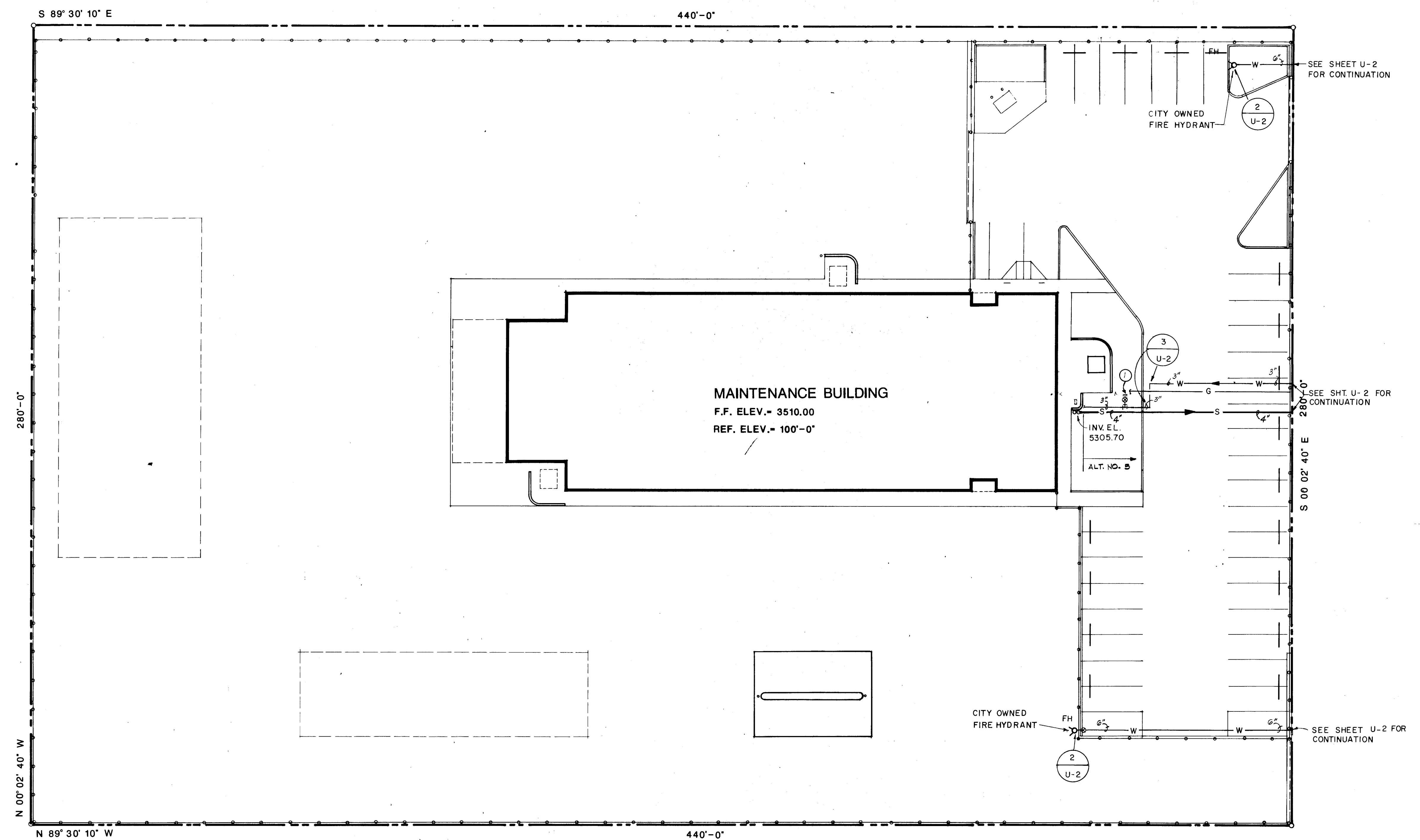


AIRPORT MAINTENANCE FACILITY
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ALBUQUERQUE NEW MEXICO

85-25-23 MAY 1986

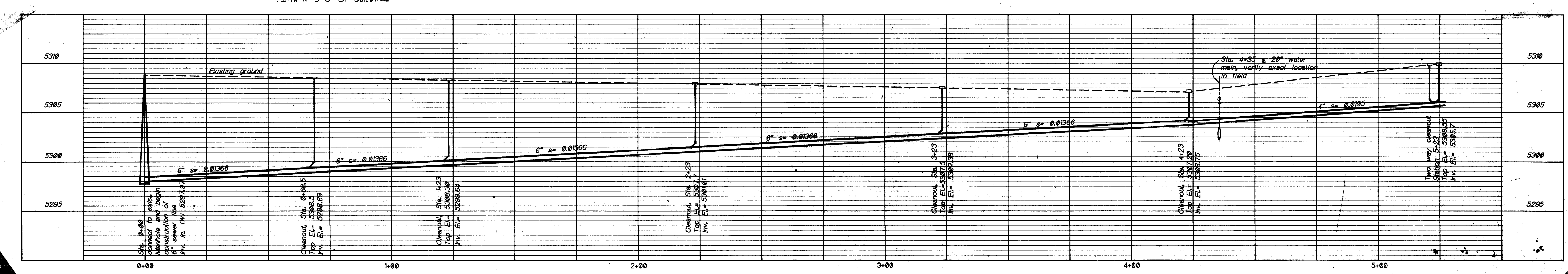
U1
SHEET 26 OF 30

ON SITE UTILITIES
SCALE: 1/8" = 1'-0"



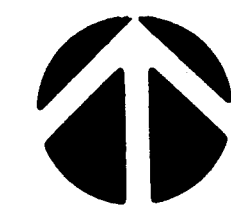
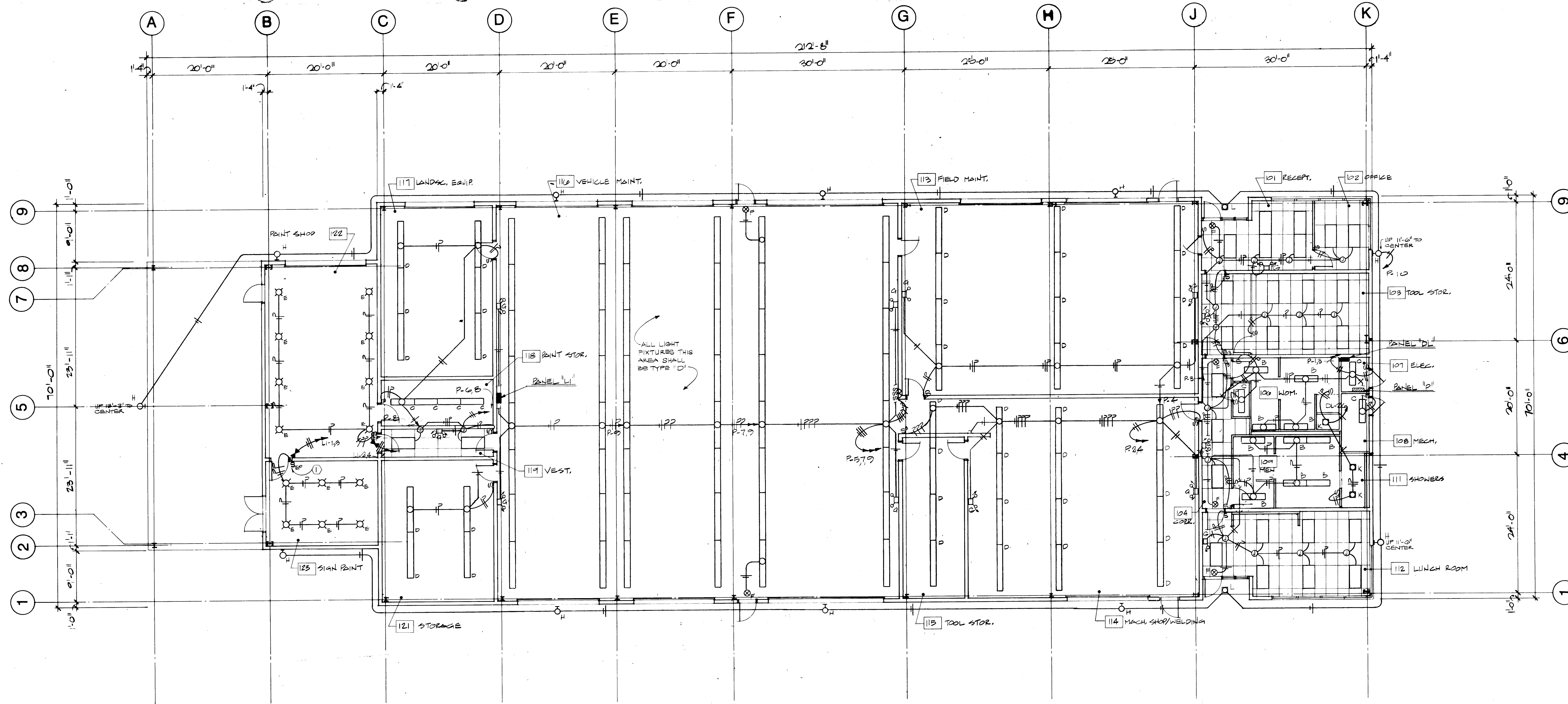
NOTE
FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 700 OF CITY OF ALBUQUERQUE STANDARDS, 1985 EDITION. SECTION 700 IS INCLUDED IN SECTION 1400 FOR REF.

(ALTERNATE NO. 5)
ALTERNATE NO. 5 INCLUDES ALL WATER, SEWER, AND GAS TO WITHIN 5'-0" OF BUILDING

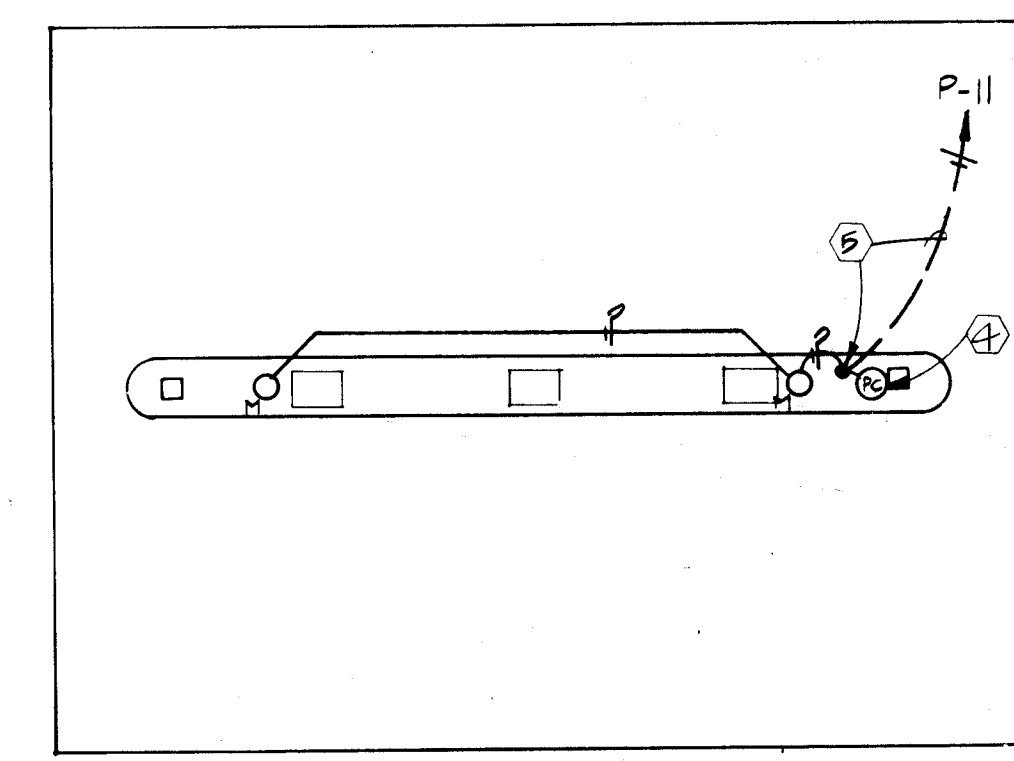
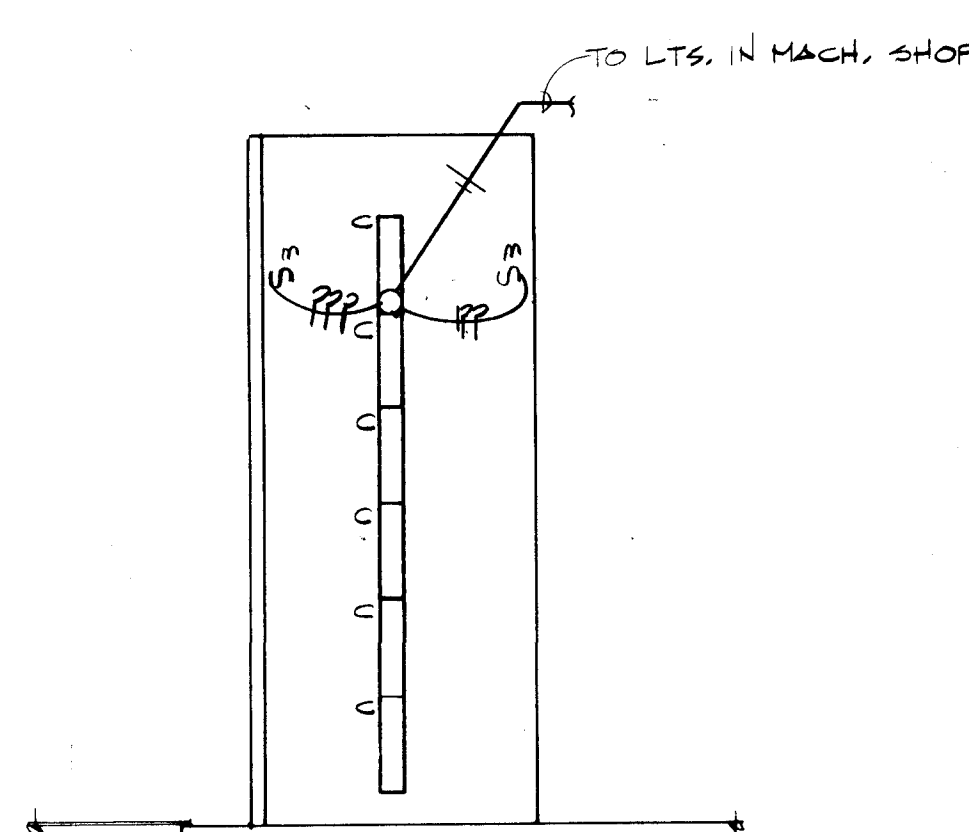
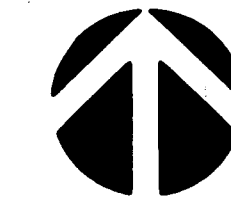


SANITARY SEWER PROFILE
SCALE: HORIZ. 1"=20'
VERTICAL 1"=5'

SHEET 27 OF 30



FLOOR PLAN - LIGHTING



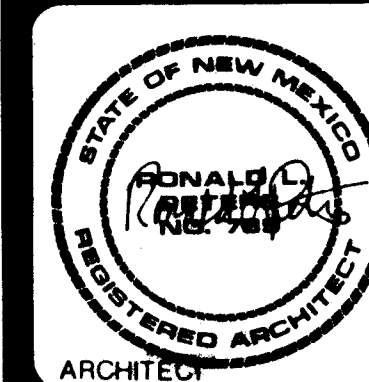
THE BURNS PETERS GROUP
ARCHITECTS PLANNERS

NOTES

- ① EXPLOSION-PROOF SWITCH SHALL BE APPLETON #EFS175-F2 OR EQUAL. 20 AMP-120 VAC-2 POLE.
- ② EXPLOSION-PROOF SWITCH SHALL BE APPLETON #EFS175-F23 OR EQUAL. 30 AMP-120 VAC-2 POLE. USE #10 CONDUCTORS THROUGHOUT CIRCUIT.
- ③ ALL 2' x 4' RECESSED (LAY-IN) FLUORESCENT FIXTURES SHALL BE TYPE "A", UNLESS INDICATED OTHERWISE.
- ④ FURNISH AND INSTALL PHOTO-CELL ON ROOF FOR CONTROL OF TYPE "H" LIGHTING FIXTURES. PHOTO-CELL SHALL BE TORK #2101. PROVIDE PITCH-POCKET.
- ⑤ EXTEND CONDUIT TIGHT AGAINST ROOF COLUMN TO PHOTO-CELL ON ROOF AND LIGHTING FIXTURES. EXTEND CONDUIT UNDERGROUND FROM COLUMN TO PANEL "P" IN ELECTRICAL CLOSET 107.

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CITY PROJECT NO. 2889



AIRPORT MAINTENANCE FACILITY
ALBUQUERQUE INTERNATIONAL
AIRPORT
ALBUQUERQUE NEW MEXICO

PROJECT NO.
85-25-23

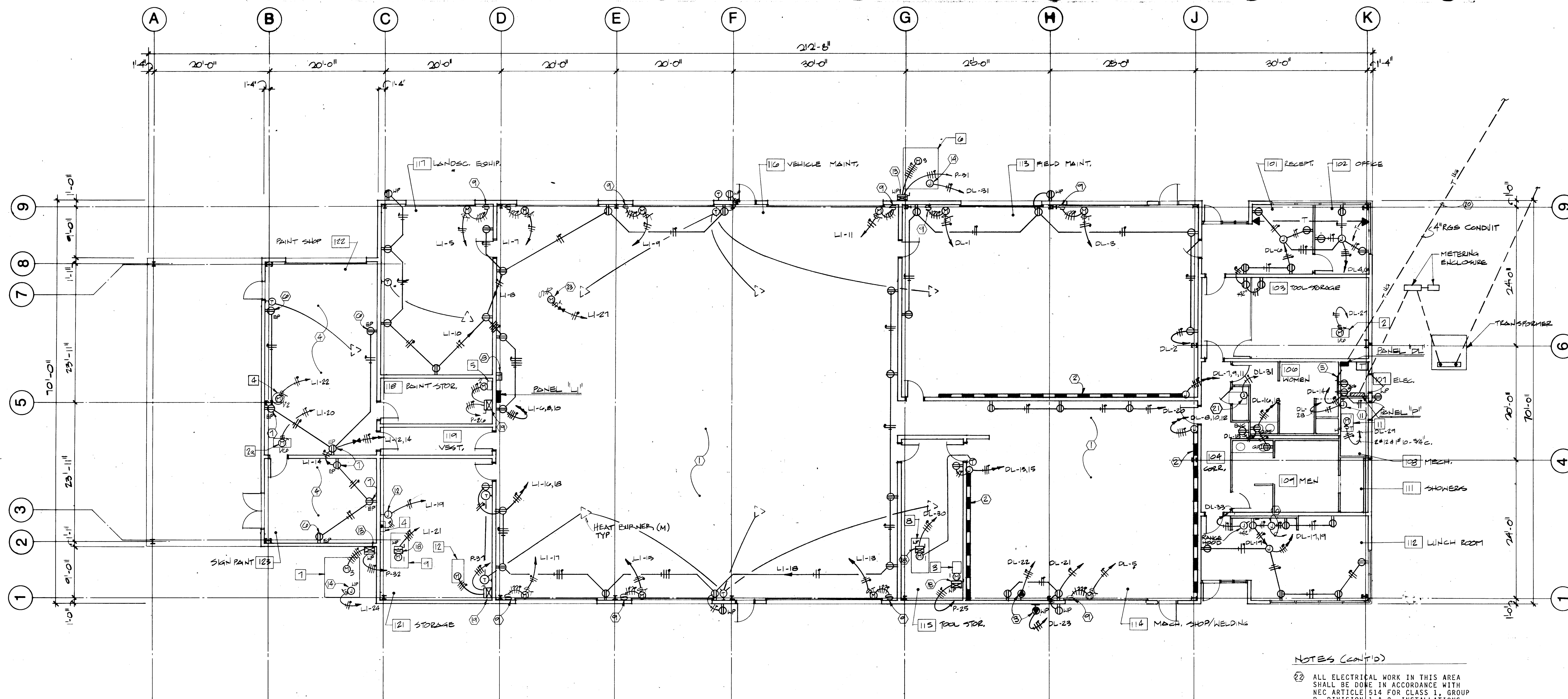
DATE
MAY 1988

DRAWING NO.

E1

SHEET 28 OF 30

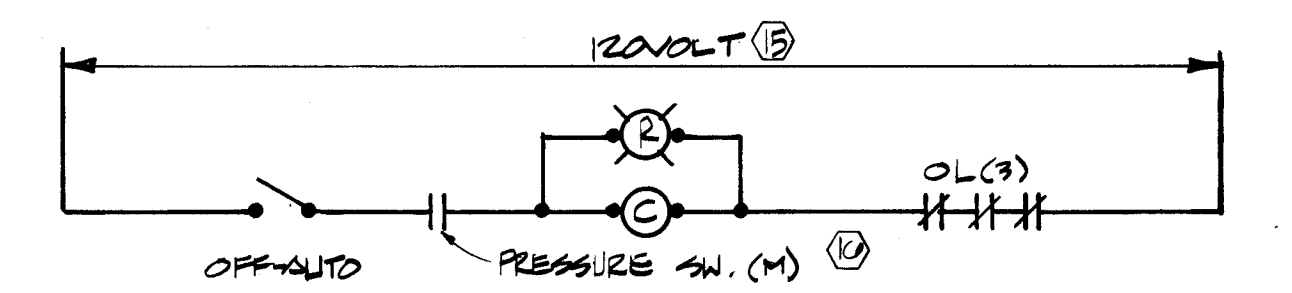
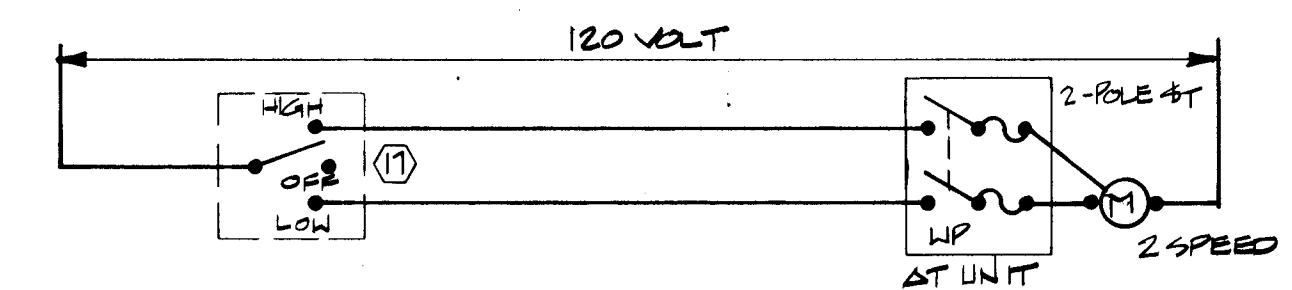
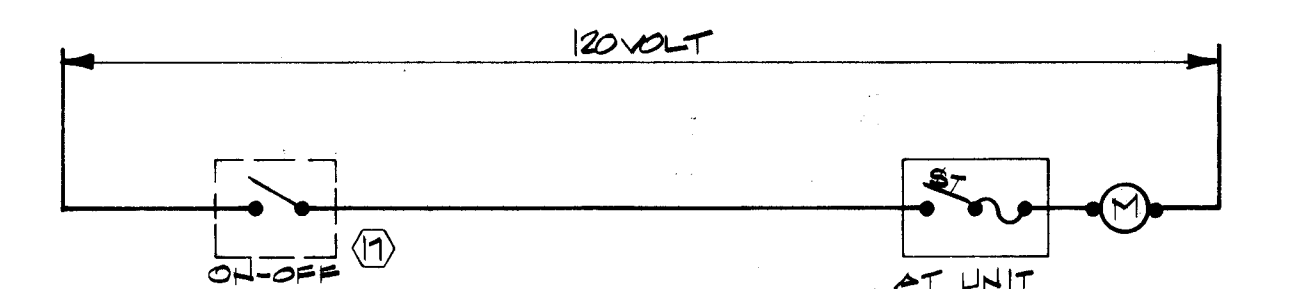
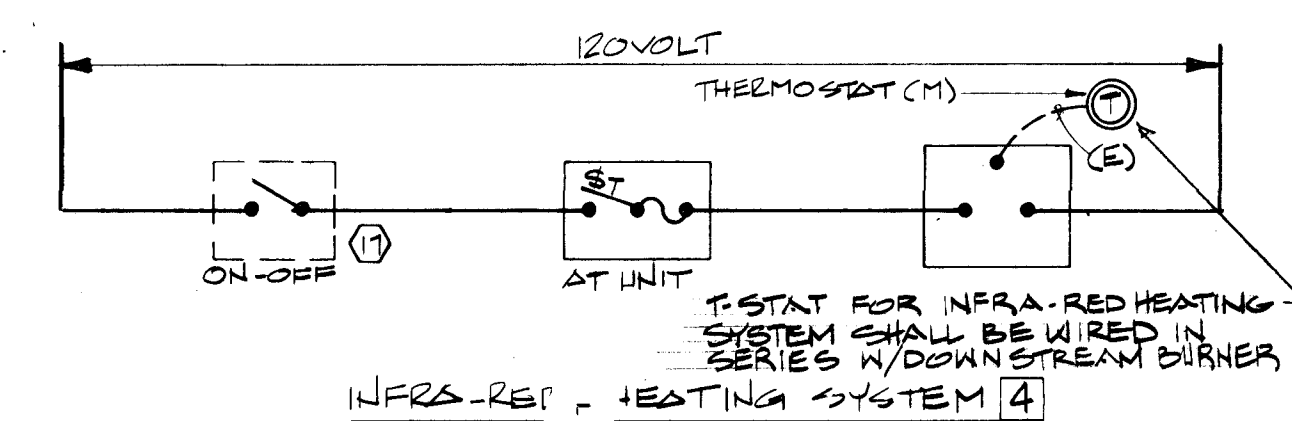
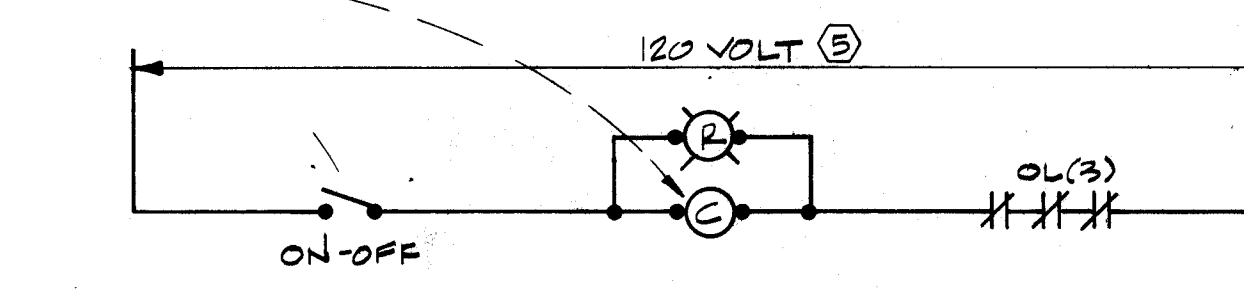
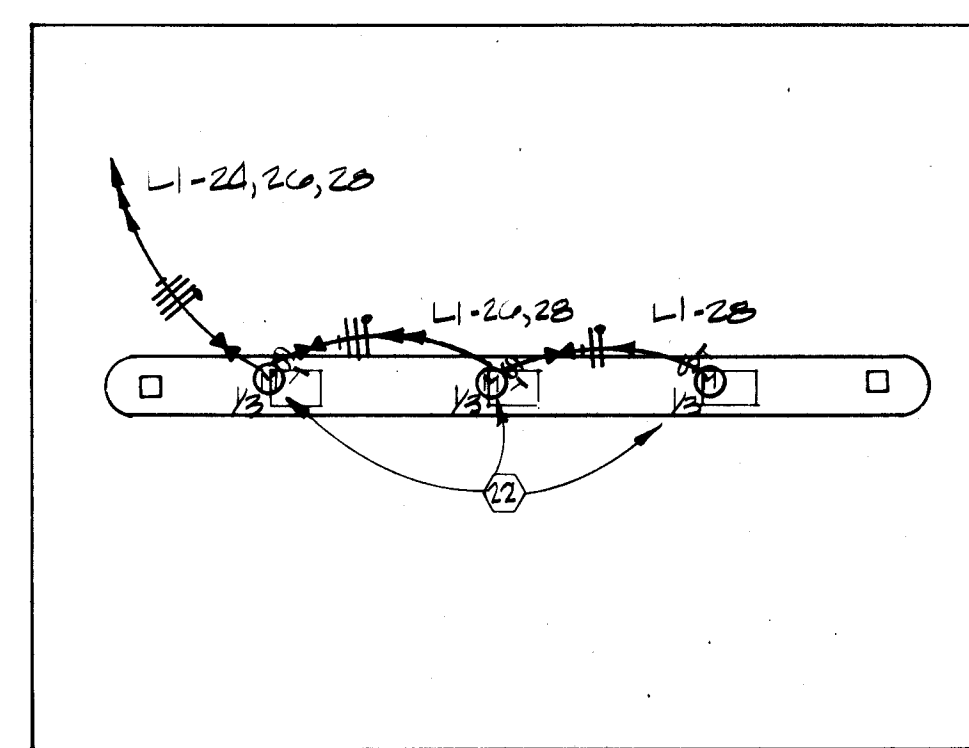
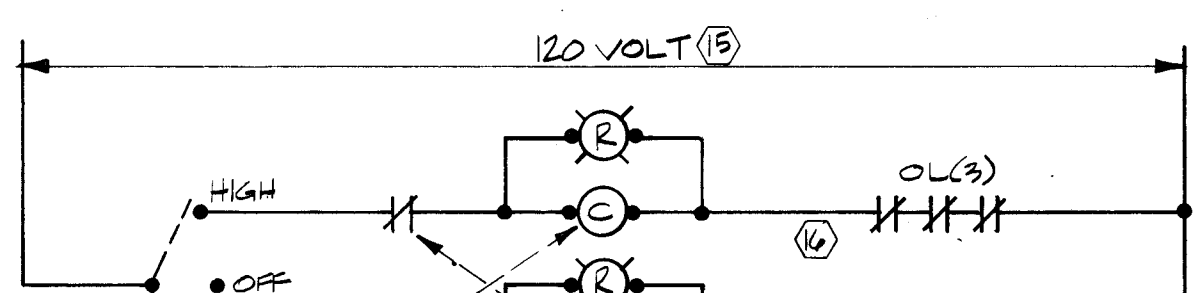
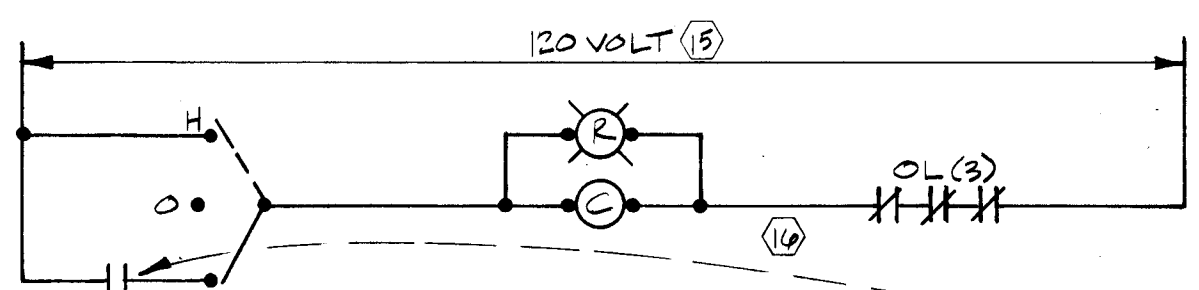
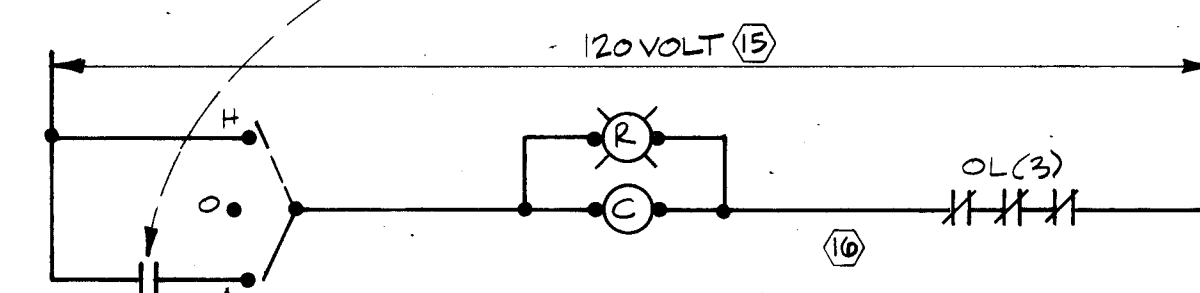
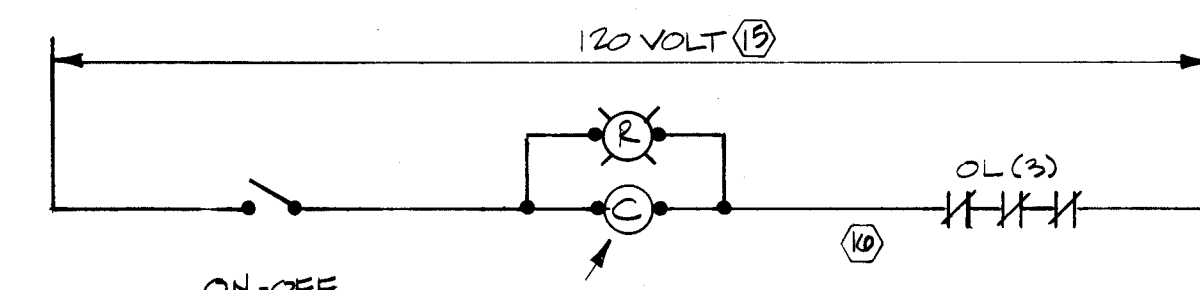
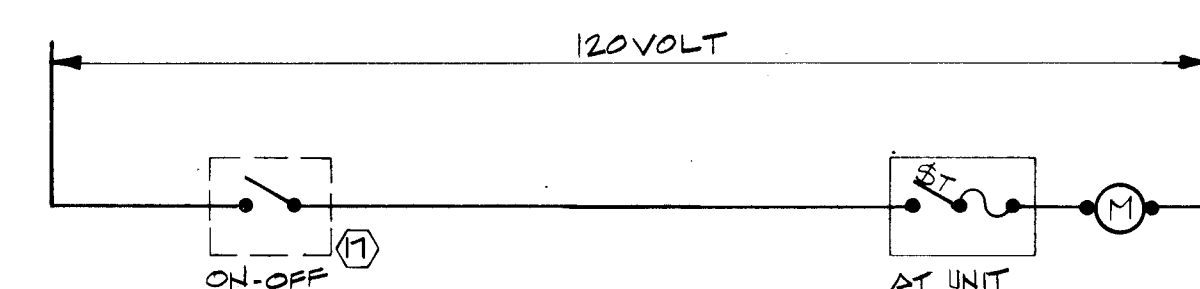
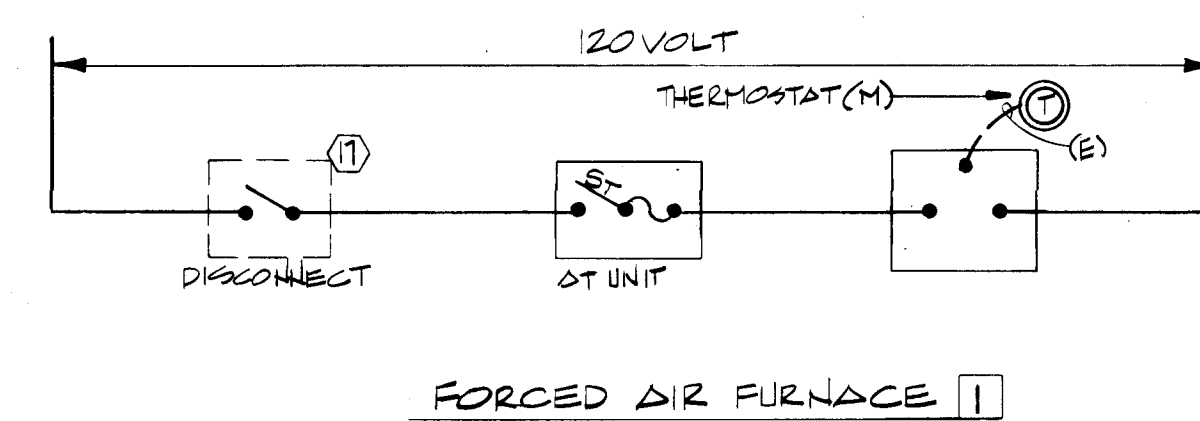
FP	FP	GRID	TB
E1	E1	GRID	TB



NOTES (CONT'D)

- 22 ALL ELECTRICAL WORK IN THIS AREA SHALL BE DONE IN ACCORDANCE WITH NEC ARTICLE 514 FOR CLASS 1, GROUP 2, DIVISION 1 & 2 INSTALLATIONS. USE #10 CONDUCTORS THROUGHOUT CIRCUIT.
- 23 ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH NEC ARTICLE 511-2 (b) FOR CLASS 1, DIVISION 1 INSTALLATIONS.

FLOOR PLAN - POWER

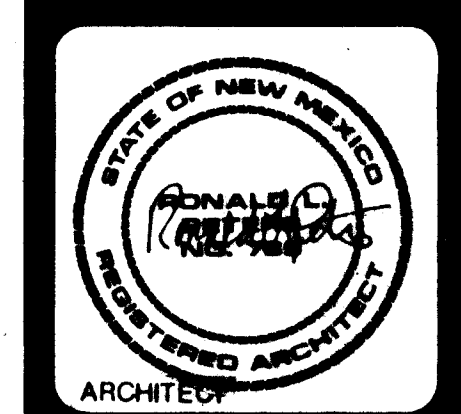


NOTES

- ALL RECEPTACLES IN THIS AREA SHALL BE INSTALLED AT 24" ABOVE FINISHED FLOOR. CONDUITS AND CONDUCTORS SERVING RECEPTACLES, ETC., SHALL BE EXTENDED FROM ABOVE.
- RACEWAY SHALL BE WIREHOLD #3000, WITH DUPLEX RECEPTACLES AT 24" O.C.. RACEWAY SHALL BE MOUNTED 42" ABOVE FINISHED FLOOR.
- OUTLET SHALL BE HUBBELL #9460, NEMA 14-50A, WITH MATCHING CAP. 3/8" AND 1/2" GROUND IN 1/4" CONDUIT.
- ALL ELECTRICAL INSTALLATION IN THIS AREA SHALL BE IN ACCORDANCE WITH NEC CLASS 1, DIVISION 1, INSTALLATIONS.
- 4' x 8' x 3/4" TELEPHONE TERMINAL BOARD, PAINT WITH TWO(2) COATS OF INSULATING PAINT.
- EXPLOSION-PROOF RECEPTACLE SHALL BE APPLETON #EFSB175-2023M, OR EQUAL, 20 AMP-125 VAC.
- EXPLOSION-PROOF RECEPTACLE SHALL BE APPLETON #EFSB175-2023M, OR EQUAL, 20 AMP-125 VAC.
- DRY TYPE TRANSFORMER SHALL BE WALL MOUNTED ABOVE PANELBOARD. FURNISH MOUNTING HARDWARE AS REQUIRED.
- FURNISH AND INSTALL A THREE-POSITION (OPEN-CLOSE-STOP) CONTROL STATION FOR CONTROL OF ROLL-UP DOOR. MAKE ALL REQUIRED CONNECTIONS TO DOOR OPERATOR AS RECOMMENDED BY OPERATOR MANUFACTURER.
- FURNISH AND INSTALL FLUSH JUNCTION BOX FOR FUTURE RANGE. EXTEND 1/4" CONDUIT WITH PULLLINE TO PANEL "OL" AND TERMINATE FOR FUTURE CONDUCTOR EXTENSIONS.
- JUNCTION BOX FOR CONNECTION OF FORCED AIR FURNACE. VERIFY LOCATION.
- JUNCTION BOX FOR CONNECTION OF RADIANT HEAT CONTROL PANEL. VERIFY LOCATION.
- TWO SPEED COMBINATION TYPE MAGNETIC STARTER AND DISCONNECT SWITCH, 480V-30A-3P DISCONNECT SWITCH AND NEMA SIZE 1 MOTOR STARTER, IN NEMA 4 ENCLOSURE. SEE CONTROL LADDER DIAGRAM.
- JUNCTION BOX FOR CONNECTION OF AIR WASHER DISTRIBUTION PUMP, 1/15HP, 120V-SINGLE PHASE. VERIFY LOCATION.
- PROVIDE 480V TO 120V CONTROL TRANSFORMER. SIZE AS REQUIRED. TRANSFORMER SHALL BE FUSED ON PRIMARY AND SECONDARY.
- PROVIDE SPARE N.O. AND N.C. AUXILIARY CONTACTS IN ADDITION TO THOSE SHOWN.
- LOCAL CONTROL SWITCH. LOCATE AS DIRECTED IN FIELD.
- COMBINATION TYPE MAGNETIC STARTER AND DISCONNECT SWITCH, 480V-30A-3P DISCONNECT SWITCH AND NEMA SIZE 1 MOTOR STARTER, IN NEMA 4 ENCLOSURE. SEE CONTROL LADDER DIAGRAM.
- COMBINATION TYPE MAGNETIC STARTER AND DISCONNECT SWITCH, 480V-30A-3P DISCONNECT SWITCH AND NEMA SIZE 1 MOTOR STARTER, IN NEMA 1 ENCLOSURE. SEE CONTROL LADDER DIAGRAM.
- RGS CONDUIT 42" BEI TELEPHONE MANSO 240' FROM PROOF CONDUIT AS REC. TELEPHONE CO.
- FURNISH AND INST. JUNCTION BOX FOR IRRIGATION CONTROL LOCATION SHALL THE FIELD.

NOTES CONTINUE

CITY PROJECT



AIRPORT MAINTENANCE
ALBUQUERQUE INT. AIRPORT
ALBUQUERQUE, NM

PROJECT NO.

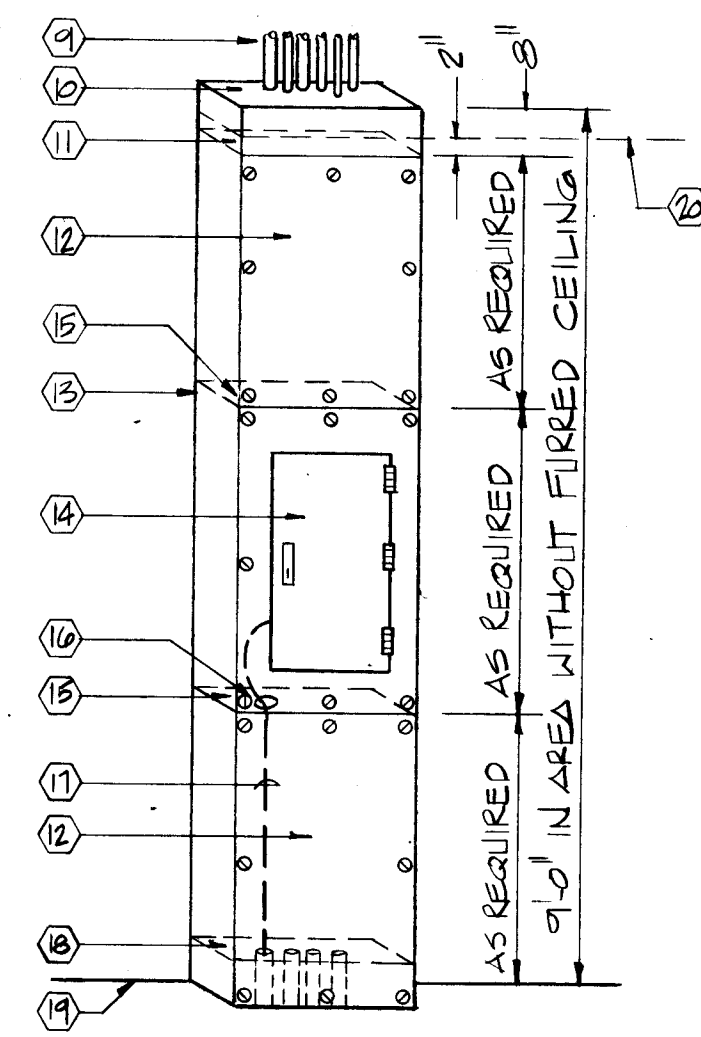
85-25-23

DRAWING NO.

E2

SHEET 29 OF 30

TB	TB
GRID	GRID
FP	FP
E2	E2



SKIRTED PANEL DETAIL 2
NO SCALE

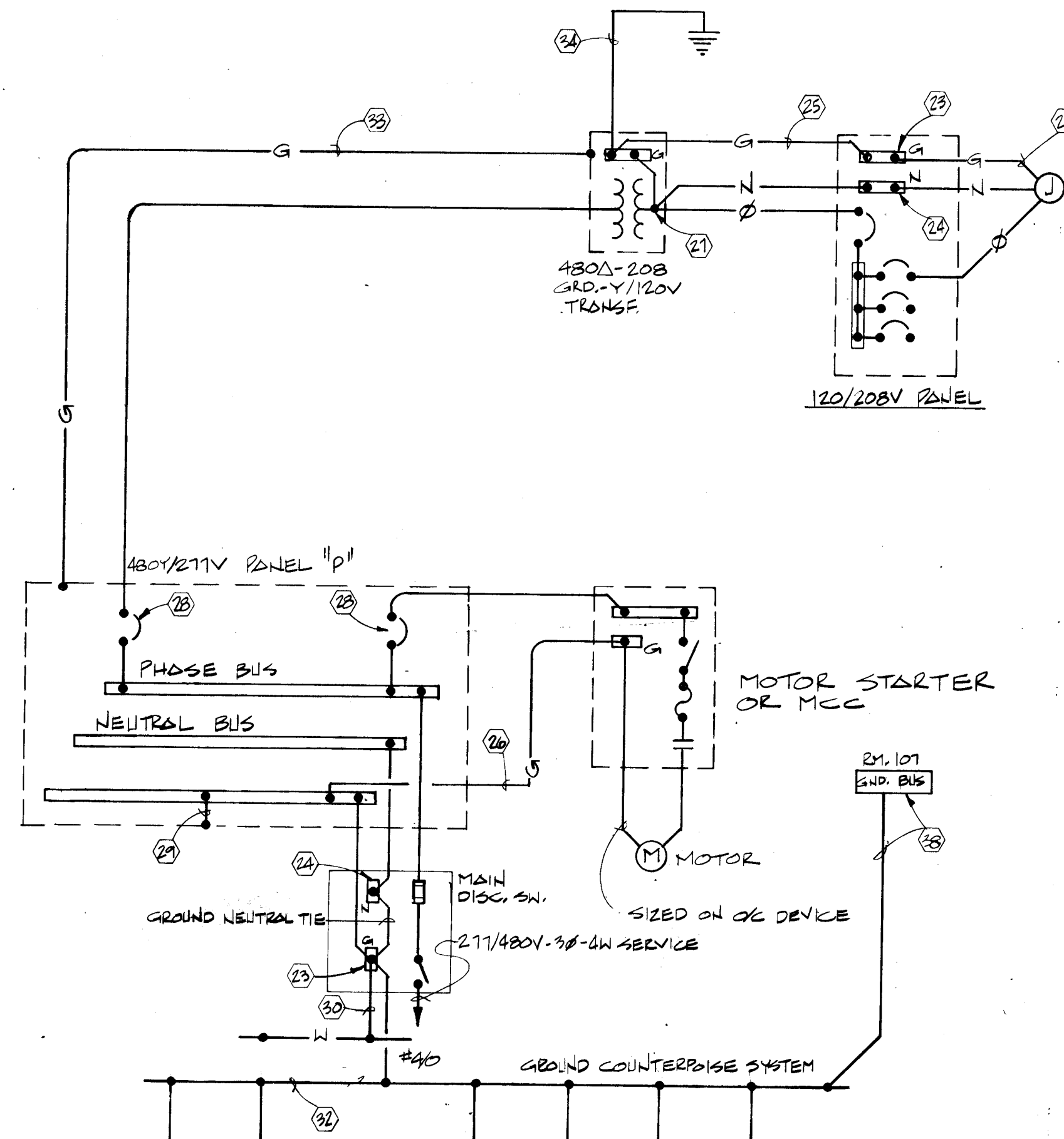
PANEL 1P			
480Y/277V 3P-4W 2250 MAIN, LUGS ONLY, SURFACE MTD, BOTTOM FEED, SKIRTS TOP & BOTTOM			
10-200-1P	BRANCH BREAKERS	CCT'S 1-10	
8-200-1P	BRANCH BREAKERS	CCT'S 11-18 (3P/RE)	
4-200-3P	BRANCH BREAKERS	CCT'S 19,20,31,32	
1-300-3P	BRANCH BREAKER	CCT. 37	
2-300-3P	BRANCH BREAKERS	CCT'S 17,18 (2P/RE)	
3-1P	SPACE ONLY		
K=50,000 5TH RMS AMP (MIN.)			
PANEL 10L			
208Y/120V 3P-4W 2250 MAINS, WITH 250A-3P MAIN BREAKER, SURFACE MTD, TOP FEED, SKIRTS TOP & BOTTOM			
25-200-1P	BRANCH BREAKERS	CCT'S 1-21,22,23,31	
9-200-1P	BRANCH BREAKERS	CCT'S 23,35,42	
2-200-3P	BRANCH BREAKERS	CCT'S 21,23	
1-300-1P	BRANCH BREAKER	CCT. 37	
1-200-3P	BRANCH BREAKER	CCT. 30	
K=10,000 5TH RMS AMP (MIN.)			
PANEL 1L			
208Y/120V 3P-4W 2250 MAINS, WITH 250A-3P MAIN BREAKER, SURFACE MTD, TOP FEED, SKIRTS TOP & BOTTOM			
20-200-1P	BRANCH BREAKERS	CCT'S 1,3,5-10,24	
4-200-1P	BRANCH BREAKERS	CCT'S 20,34 (SPACE)	
2-300-1P	BRANCH BREAKERS	CCT'S 2,4	
1-200-3P	BRANCH BREAKER	CCT. 21	
3-1P	SPACE ONLY		
K=10,000 5TH RMS AMP (MIN.)			

ELECTRICAL LEGEND	
	CEILING OUTLET, LETTER DENOTES FIXTURE TYPE
	WALL OUTLET
	FLUORESCENT FIXTURE
	RECESSED LIGHTING FIXTURE
	EXPLOSION-PROOF INCANDESCENT FIXTURE
	EMERGENCY BATTERY EGRESS LIGHTING FIXTURE
	EXIT SIGN
	WALL SWITCH, SPST 4"=0" TO TOP, UNLESS OTHERWISE NOTED, LETTER DENOTES CONTROL
	EXPLOSION-PROOF WALL SWITCH, SPST 4"=0" TO TOP
	THREE WAY WALL SWITCH
	FRACTIONAL HP DISCONNECT WITH THERMAL OVERLOAD PROTECTION
	SPECIAL OUTLET, AS NOTED
	DUPLEX CONVENIENCE OUTLET, 18" ABOVE FLOOR TO BOTTOM OTHERWISE NOTED
	EXPLOSION-PROOF RECEPTACLE
	MOTOR OUTLET AND SIZE IN HP
	THERMOSTAT, 4"=0" ABOVE FLOOR TO TOP
	JUNCTION BOX AS NOTED OR REQUIRED
	DISCONNECT SWITCH
	COMBINATION MOTOR STARTER DISCONNECT
	ELECTRICAL PANELBOARD 208Y/120V 3-PHASE 4-WIRE
	ELECTRICAL PANELBOARD 480Y/277V 3-PHASE 4-WIRE
	RACEWAY IN WALLS OR CEILING
	CONDUIT SEAL-OFF FITTINGS
	NEUTRAL, HOT, SWITCH, AND GROUND CONDUCTORS, RESPECTIVELY
	WEATHERPROOF
	DIVISION 15 EQUIPMENT REFERENCE
	NOTE REFERENCE
	FURNISHED UNDER DIVISION 15
	FURNISHED UNDER DIVISION 16

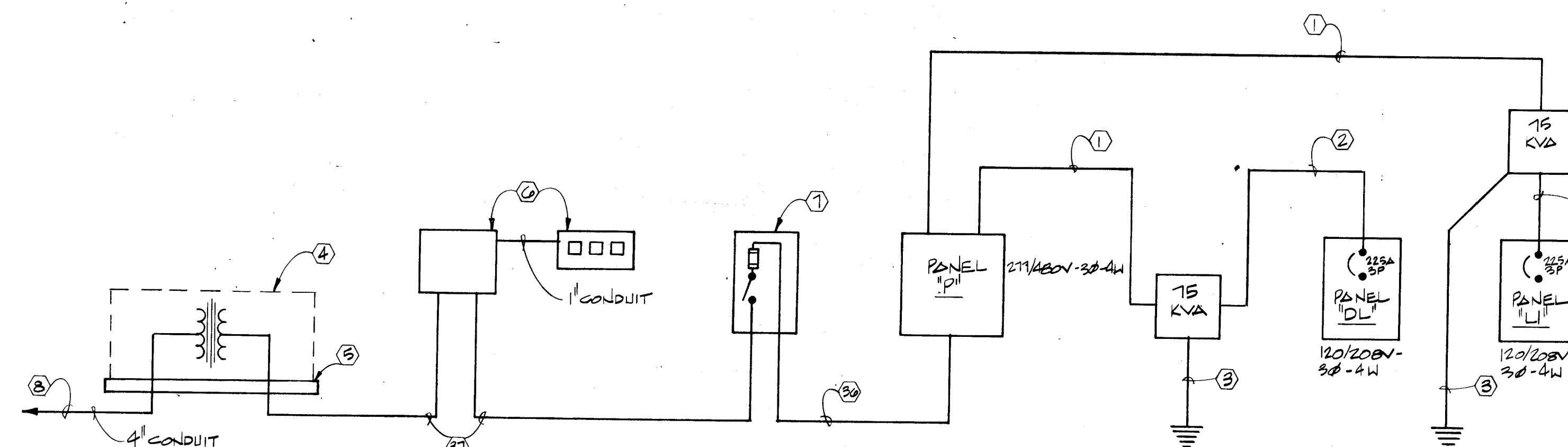
LIGHT FIXTURE SCHEDULE			
TYPE	LAMPS	MOUNTING	DESCRIPTION
A	3-F40	RECESSED (LAY-IN)	LITHONIA #255-340-2W-A12.125-277-E6 2'x4' RECESSED FLUORESCENT FIXTURE, W/PLASTER FRAMES
B	2-F40	RECESSED (LAY-IN)	LITHONIA #FS-240-2W-A12.125-277-E6 1'x4' RECESSED FLUORESCENT FIXTURE, W/PLASTER FRAMES
C	2-F40	CEILING SURFACE	LITHONIA #FS-240-2W-A12.125-277-E6 2'x4' RECESSED FLUORESCENT FIXTURE, W/PLASTER FRAMES
D	2-F40 T12	PENDANT 15'-0" AFF	LITHONIA #AF10-240-1W-A12.125-T12H-2W-2W-2W 8' INDUSTRIAL FLUORESCENT
E	1-300W	PENDANT 15'-0" AFF	APPLETON #APS015-300W-SN-AAGUS EXPLOSION PROOF INCANDESCENT FIXTURE
F	WITH UNIT	CEILING SURFACE	EMER-LITE #BSEK-12-2-277V EMERGENCY EXIT
G	WITH UNIT	WALL UP 7'-0"	EMER-LITE #CSC-13-2-277V EMERGENCY EXIT
H	1-100W HPS	WALL UP 8'-0" OR AS NOTED ON DWGS	HOLOPHANE #HLK-100HPS-1W-KR21 HPS WALL PACK, COLOR SHALL BE AS SELECTED BY ARCHITECT
J	3-F40	RECESSED (LAY-IN)	LITHONIA #255-340-2W-A12.125-277-E6 2'x4' RECESSED FLUORESCENT FIXTURE W/PLASTER FRAMES
K	1-CAN	RECESSED	CAPELL-3H-12-P RECESSED SHOWER LIGHT
L	1-100W HPS	RECESSED	LITHONIA #LASH11-100SH-C13T-277V RECESSED HPS SQUARE
M	1-100W HPS	CEILING SURFACE	HOLOPHANE #RCK100HPS-3A-WD, COLOR AS SELECTED BY ARCH.

NOTES (CONT'D)

- 33 PROVIDE AND INSTALL 18" x 3" x 1/4" COPPER GROUND BUS IN ELECTRICAL ROOM 107. MOUNT GROUND BUS ON ISOLATORS TO ISOLATE IT FROM THE BUILDING STRUCTURE. EXTEND #4/0 INSULATED GROUND CONDUCTOR IN CONDUIT TO GROUND COUNTERPOISE SYSTEM.



TYPICAL GROUNDING DETAIL
NO SCALE



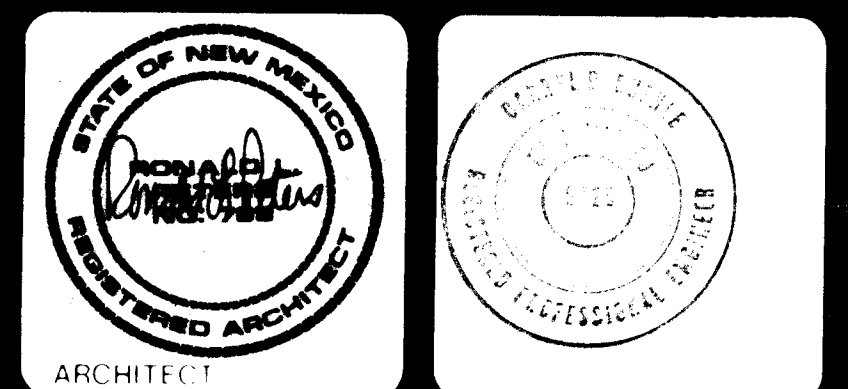
POWER RISER DIAGRAM
NO SCALE

NOTES

- 3/2 AND 1/2 GROUND IN 1 1/4" CONDUIT.
- #4/0 AND 1/2 GROUND IN 2 1/2" CONDUIT.
- EXTEND #4/0 INSULATED GROUND CONDUCTORS IN CONDUIT TO GROUND COUNTERPOISE SYSTEM. CADWELD TO COUNTERPOISE SYSTEM.
- 150KVA PNM TRANSFORMER.
- INSTALL TRANSFORMER CONCRETE PAD PER PNM DRAWING DS-7-16.5.
- METERING ENCLOSURE SHALL BE PER PNM DRAWING DS-19-15.1 (C).
- 600V-200A-3P-4W RAIN-TITE FUSIBLE DISCONNECT SWITCH.
- 4" CONCRETE ENCASED SCHEDULE 40 PVC CONDUIT TO PROPERTY LINE. INSTALLATION AND ROUTING SHALL BE PER PNM REQUIREMENTS.
- CONDUITS.
- TOP PLATE.
- FIXED.
- SCREW COVER.
- PROVIDE METAL BACKS ON SKIRTS.
- PANELBOARD.
- METAL BARRIER.
- BUSHED OPENINGS AS REQUIRED.
- CONDUCTORS, BUNDLED AND LACED.
- METAL BARRIER FOR TERMINATING CONDUITS FROM FLOOR.
- FLOOR.
- FURRED CEILING LINE.
- FOR SURFACE MOUNTED PANELBOARDS AS REFERENCED ON PANELBOARD SCHEDULES.
- BRANCH CIRCUIT EQUIPMENT GROUND.
- TYPICAL UNINSULATED GROUND BAR GROUNDING ENCLOSURE.
- TYPICAL INSULATED NEUTRAL BAR.
- FEDDER EQUIPMENT GROUND CONDUCTOR SIZED ON FEEDER CONDUCTOR.
- TYPICAL CONTINUOUS GROUND WITHOUT SPLICES.
- GROUND SECONDARY NEUTRAL TO GROUND BAR.
- OVERCURRENT DEVICE AS SCHEDULED.
- BOND TO SERVICE EQUIPMENT ENCLOSURE.
- BOND TO MAIN INTERIOR COLD WATER SERVICE.
- EQUIPMENT GROUNDING THROUGH CONDUIT/RACEWAY SYSTEM.
- #4/0 BARE GROUND COUNTERPOISE SYSTEM INSTALLED COMPLETELY AROUND PERIMETER OF BUILDING. INSTALL 2"=0" BELOW GRADE AND 2"=0" AWAY FROM BUILDING. PROVIDE AND INSTALL SIX 3/4" x 10"=0" COPPER-CLAD GROUND RODS-EQUALLY SPACED AROUND BUILDING. ALL CONNECTIONS TO THE COUNTERPOISE SYSTEM SHALL BE MADE USING CADWELD PROCESS.
- EQUIPMENT GROUNDING THROUGH CONDUIT/RACEWAY SYSTEM.
- GROUNDING ELECTRODE CONDUCTOR. SEE POWER RISER DIAGRAM.
- GROUND SEPARATELY DERIVED SYSTEM TO GROUND COUNTERPOISE SYSTEM.
- #4/0 AND #4/0 GROUND IN 2 1/2" CONDUIT.
- #4/0 AND #4/0 GROUND IN 2 1/2" CONDUIT.

NOTES CONTINUED

CITY PROJECT NO. 2869



AIRPORT MAINTENANCE FACILITY
ALBUQUERQUE INTERNATIONAL AIRPORT
ALBUQUERQUE NEW MEXICO

PROJECT NO. 85-25-23 DATE MAY 1996

DRAWING NO. E3 SHEET 30 OF 30

1 2 3 4 5 6 7 8 9 10 11 12
26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100 102 104 106 108 110 112 114 116 118 120 122 124 126 128 130 132 134 136 138 140 142 144 146 148 150 152 154 156 158 160 162 164 166 168 170 172 174 176 178 180 182 184 186 188 190 192 194 196 198 200 202 204 206 208 210 212 214 216 218 220 222 224 226 228 230 232 234 236 238 240 242 244 246 248 250 252 254 256 258 260 262 264 266 268 270 272 274 276 278 280 282 284 286 288 290 292 294 296 298 300 302 304 306 308 310 312 314 316 318 320 322 324 326 328 330 332 334 336 338 340 342 344 346 348 350 352 354 356 358 360 362 364 366 368 370 372 374 376 378 380 382 384 386 388 390 392 394 396 398 400 402 404 406 408 410 412 414 416 418 420 422 424 426 428 430 432 434 436 438 440 442 444 446 448 450 452 454 456 458 460 462 464 466 468 470 472 474 476 478 480 482 484 486 488 490 492 494 496 498 500 502 504 506 508 510 512 514 516 518 520 522 524 526 528 530 532 534 536 538 540 542 544 546 548 550 552 554 556 558 560 562 564 566 568 570 572 574 576 578 580 582 584 586 588 590 592 594 596 598 600 602 604 606 608 610 612 614 616 618 620 622 624 626 628 630 632 634 636 638 640 642 644 646 648 650 652 654 656 658 660 662 664 666 668 670 672 674 676 678 680 682 684 686 688 690 692 694 696 698 700 702 704 706 708 710 712 714 716 718 720 722 724 726 728 730 732 734 736 738 740 742 744 746 748 750 752 754 756 758 760 762 764 766 768 770 772 774 776 778 780 782 784 786 788 790 792 794 796 798 800 802 804 806 808 810 812 814 816 818 820 822 824 826 828 830 832 834 836 838 840 842 844 846 848 850 852 854 856 858 860 862 864 866 868 870 872 874 876 878 880 882 884 886 888 890 892 894 896 898 900 902 904 906 908 910 912 914 916 918 920 922 924 926 928 930 932 934 936 938 940 942 944 946 948 950 952 954 956 958 960 962 964 966 968 970 972 974 976 978 980 982 984 986 988 990 992 994 996 998 1000