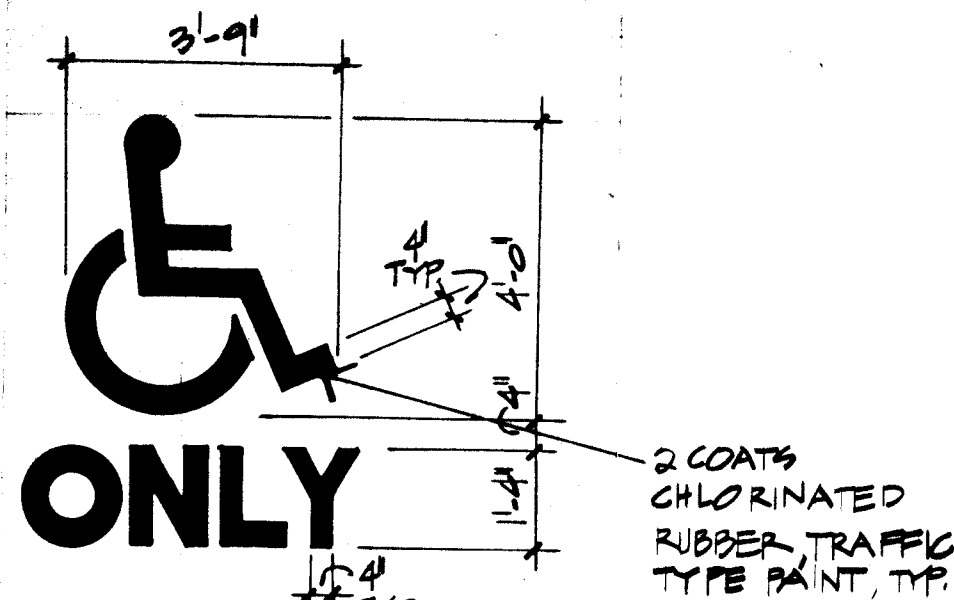
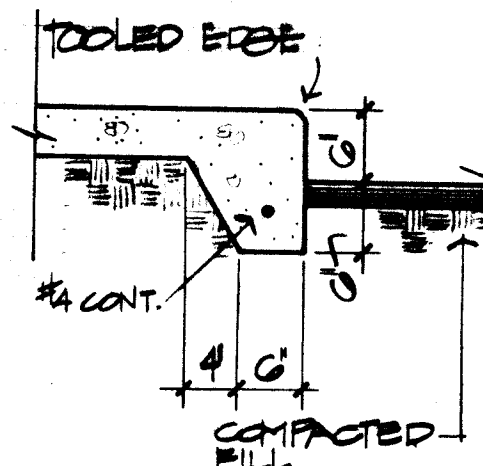
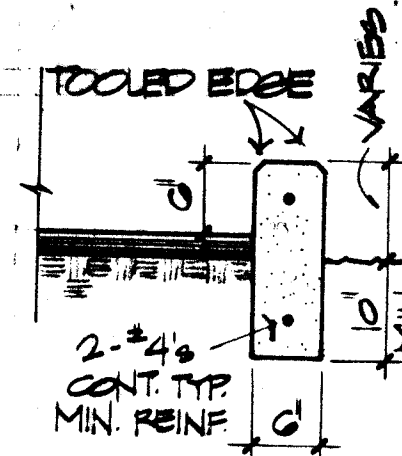




1 HANDICAP PARKING SYMBOL
NO SCALE

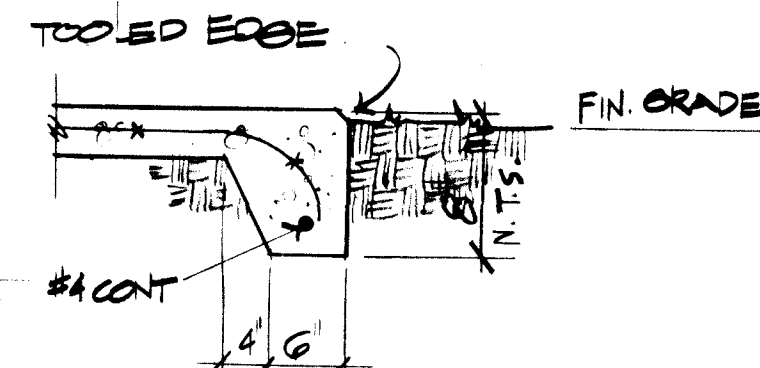


2 TYP. TURN DOWN
SIDEWALK EDGE
3/4" = 1'-0"

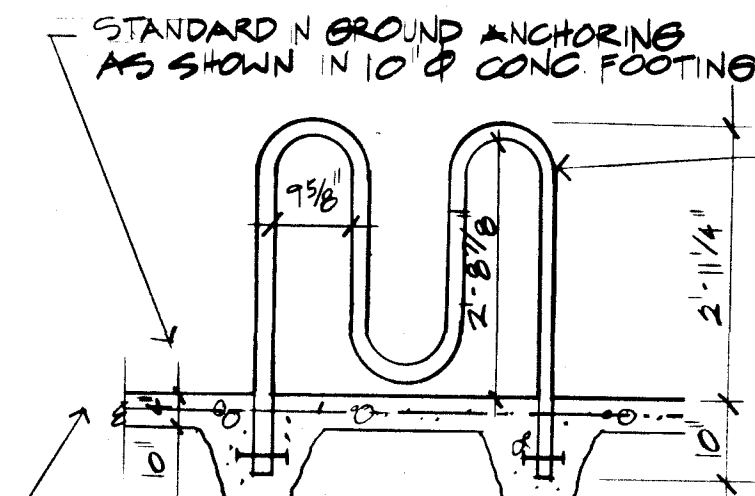


3 TYP. HEADER CURB
3/4" = 1'-0"

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.



4 SIDEWALK EDGE
3/4" = 1'-0"



5 BIKE RACK
1/2" = 1'-0"

2" x 8" x 8"
SCHD 40 GALV
STL PIPE, PAINT
AS PER SPEC

STEEL BIKE RACK TO BE
BRAND R INTERNATIONAL INC.
MODEL RD-5 (5 BIKE CAPACITY), OR EQUAL

SITE GRADING NOTES

1. GENERAL: The Soils Engineer shall be the Owner's representative for conducting soils operations. The Soils Engineer shall make continuous observations of all soils operations. The Soils Engineer shall give written certification to the Architect, that the completed work has been in compliance with all of the provisions of the drawings and specifications, when the soils work has been completed. The Owner shall pay for soils inspection and testing.

2. SLAB SURFACE PREPARATION: The final four inch thickness directly supporting concrete floor slabs shall be a base course.

3. EXTENT OF SURFACE PREPARATION & ENGINEERED FILL: Clearing and stripping, compaction of the surface of the native soils and placement and compaction of the engineered fill material shall extend for a horizontal distance 5' outside the perimeter of the building, exterior slabs, pavements, etc. The building perimeter shall be considered as being the extreme outer edge of footings in determining the required lateral extent of engineered fill.

4. CLEARING AND STRIPPING: All vegetation and debris shall be removed from the site. Stumps, matted roots and roots larger than two inches in diameter shall be removed from within six inches of the surface of areas upon which fills are to be constructed.

5. COMPACTION OF SURFACE OF NATIVE SOILS: The upper 12 inches of native soils upon which fills are to be constructed and the upper 12 inches of soils beneath cut surfaces and specifically below footings shall be compacted, brought to the optimum moisture content, and compacted to the requirements given below.

6. COMPACTION METHODS & EQUIPMENT: Mechanical compaction equipment shall be used in all grading operations. In no case shall water be used, or any other method be employed, where vibratory compaction equipment is used, it shall be the contractor's responsibility to insure that vibrations do not damage adjacent buildings or other adjacent property.

7. THICKNESS OF LISTS: Lists shall have a thickness, when compacted, of no more than 6 inches.

8. BASE COURSE: Base course shall be free of vegetation, debris and other deleterious material. It shall meet the following grading requirements as determined by ASTM D422:

Sieve Size (Square Openings)	Percent Passing by Weight
1 inch no. 4	100
no. 200	12 max.

The fraction of material passing the no. 40 sieve shall be nonplastic when tested by ASTM D422 and D423. The coarse aggregate shall have a percent of wear, when subjected to the Los Angeles abrasion test (ASTM C131) of no greater than 45. Maximum percent soluble sulfates shall be 0.10.

9. ENGINEERED FILL QUALITY REQUIREMENTS: Engineered fill shall be free of vegetation, debris and other deleterious material and shall meet the following requirements as determined by ASTM D422:

Sieve Size (Square Openings)	Percent Passing by Weight
6 inches no. 4	100
no. 200	25-100

The plasticity index of the fraction passing the no. 40 sieve, as determined by ASTM D422 and D423, shall not exceed 12.

A proctor test shall be performed and approved for each type of fill material.

Maximum expansion potential shall be 1.55. Maximum percent soluble sulfates shall be 0.10.

The fill encountered on the southeast corner of the site is not suitable for structural support and should be removed and replaced with engineered fill within the building area. It is recommended that the excavation process be carefully observed so that if any deleterious material is encountered, supplemental recommendations can be made. The presence of such material could result in excessive settlements and/or other problems associated with decomposable materials.

10. REQUIRED DEGREE OF COMPACTION: Maximum density and optimum moisture content of the engineered fill and granular base shall be determined by ASTM D1557. Materials in the various areas of the project shall be compacted to the following percentages of maximum density:

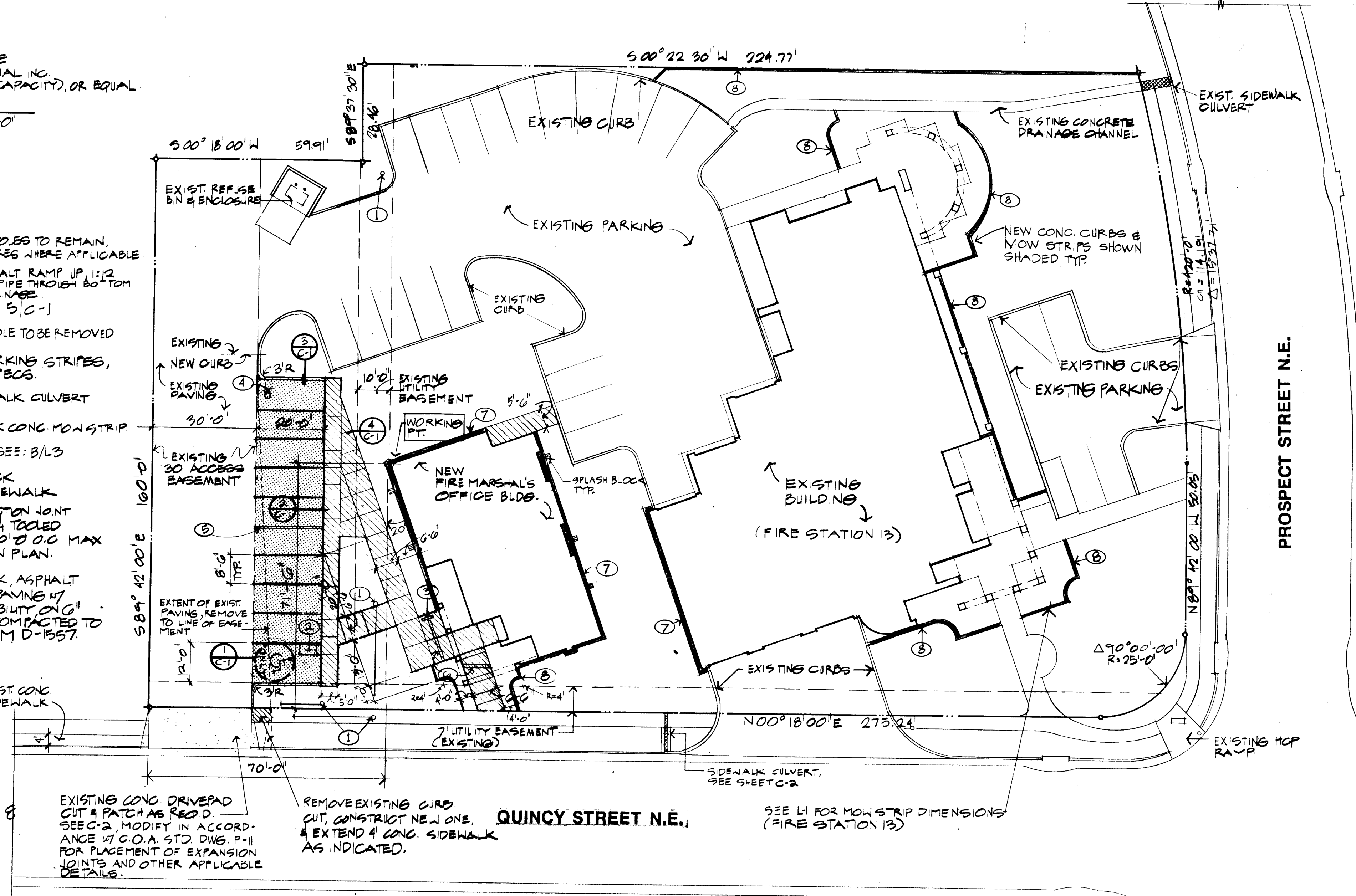
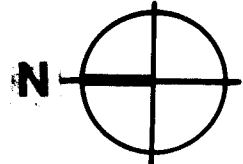
Area	Percent of Maximum Density
Below footings cut surface	95
Footings support fill	95
Original ground preparation beneath building slab support fill	90
Building slab support fill	95
Exterior slab support	90
Upper 8 inches of pavement subgrade	95
Pavement fill below 8 inches	90
Base Course	95

Moisture content of the native soils and fill shall be at the optimum moisture content. For purposes of acceptance, the in-place density of the fill shall be defined as that determined by the sand cone method (ASTM D1556) or by nuclear methods (ASTM D2922). Engineered fill compaction requirements shall apply to all utility trenches, footings, retaining walls and other backfill in the various areas of the project.

11. The General Contractor shall provide the Soils Engineer with a complete set of contract documents prior to proceeding with soils work. The Soils Engineer shall submit, in writing, the procedure and methods he will use to comply with contract documents.

SITE PLAN

1" = 20'-0"



NOTE:

ALL CONCRETE MOW STRIPS AND CURBS SHOWN FOR BOTH FIRE MARSHAL'S OFFICE AND FIRE STATION 13 (EXISTING BUILDING) ARE TO BE A PART OF THE BASE BID. THE INSTALLATION OF ALL IRRIGATION SYSTEM SLEEVES UNDER CONCRETE WORK FOR FUTURE IRRIGATION SYSTEM IS TO BE A PART OF THE BASE BID. ALL OTHER LANDSCAPE & IRRIGATION WORK IS TO BE CONSIDERED ALTERNATE #1.

PROJECT DATA:

PROJECT:
OFFICE OF THE FIRE MARSHALL

ADDRESS:
2510 QUINCY N.E.

LEGAL DESCRIPTION:
LOT 1-B-7, BLOCK 1, VIDAS ADDITION

ZONING:
SU-1 FOR PUBLIC FACILITY

SITE AREA:
1.2 ACRES

OCCUPANCY TYPE:
B-2

CONSTRUCTION TYPE:
X-N

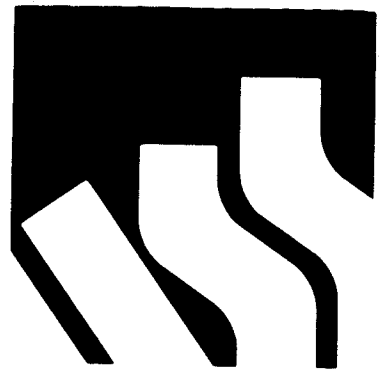
GROSS BUILDING AREA:
2342 SQ FT

PARKING:
REQUIRED SPACES
1990 S.F. ÷ 200 S.F./CAR = 10 SPACES
PROVIDED SPACES
9 STD. SPACES
1 HANDICAP SPACE
10 TOTAL

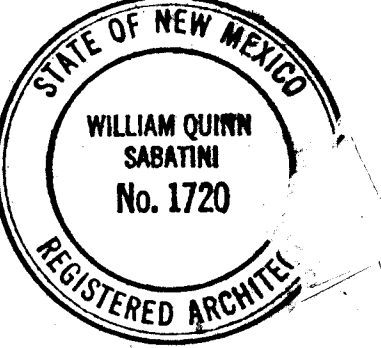
**HOLMES
SABATINI
SMITH
EEDS**

ARCHITECTURE PLANNING
PROGRAMMING RESEARCH
GRAPHIC DESIGN

215 GOLD AVENUE S.W.
ALBUQUERQUE, NEW MEXICO
505 247-3705 87102



Architect



Engineer

Project

**CITY OF ALBUQUERQUE
FIRE MARSHAL'S OFFICE**
2510 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO
City Project # 3003

1 2 3 4 5 6 7 8 9 10 11 12
26 30030187

Sheet Title

SITE PLAN

Revisions

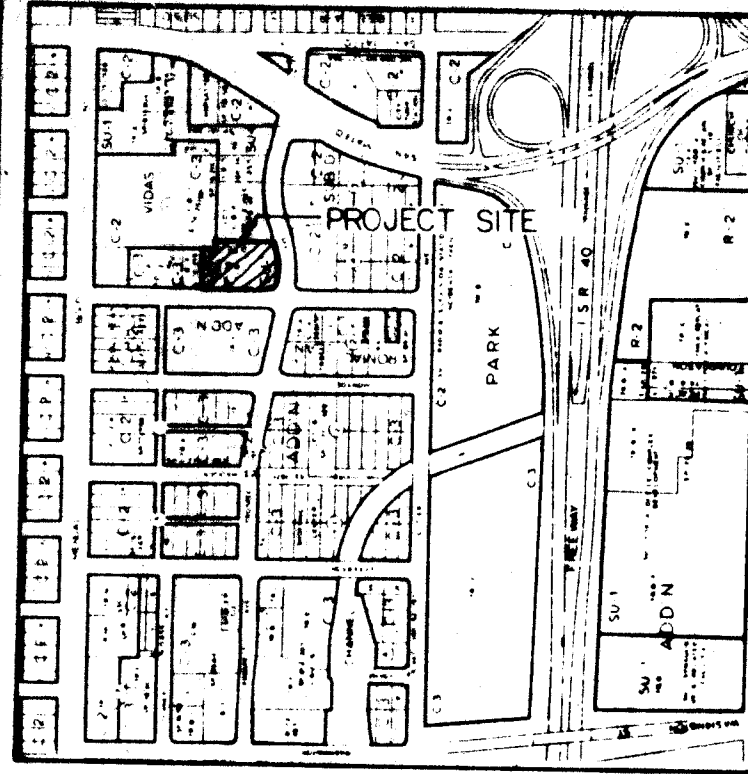
Date **28 Aug 1986**

Project No. **86-23**

Sheet No.

C-1

RECORD SET: 4 MAY 87



VICINITY MAP H-17
SCALE: 1" = 800'

- LEGEND**
- PROPOSED SPOT ELEVATION
 - EXISTING SPOT ELEVATION
 - PROPOSED CONTOUR
 - EXISTING CONTOUR
 - SWALE
 - PROPERTY LINE
 - CONCRETE
 - PROPOSED ASPHALT
 - PROPOSED FENCE
 - EXISTING FENCE
 - TOP OF CURB
 - FLOW LINE
 - PROPOSED RETAINING WALL

PROJECT BENCHMARK
A 60 D. NAIL LOCATED @ THE INTERSECTION OF SIDEWALK LOCATED @ THE INTERSECTION OF QUINCY STREET AND PROSPECT AVENUE N.E. ELEVATION = 5184.4 FEET (MGLD)

T.B.M.
TOP OF CONCRETE CURB LOCATED @ THE ENE CORNER OF THE INTERSECTION OF QUINCY STREET AND PROSPECT AVENUE N.E. ELEVATION = 5184.4 FEET (MGLD)

NOTE
PROJECT BENCHMARK & T.B.M. DATA OBTAINED FROM THE FIRE STATION #13 SURVEY PREPARED BY CITY OF ALBUQUERQUE SURVEY SECTION (7-30-86)

LEGAL DESCRIPTION
LOT 1-B-7, BLOCK 1, VIDAS SUBDIVISION.

EROSION CONTROL MEASURES

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.

- CONSTRUCTION NOTES**
1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATION OF EXISTING UTILITIES.
 2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
 4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

DRAINAGE PLAN

The following items concerning the new City Fire Marshall's Office Drainage Plan are contained hereon:

1. Vicinity Map
2. Grading Plan
3. Calculations

As shown by the Vicinity Map, this site is located at the northeast corner of the intersection of Prospect Avenue N.E. and Quincy Street N.E. At present, the site is developed. The original drainage plan (Hydrology File #H17-D3a) was prepared by this office. The surrounding sites are developed, essentially making this an infill site.

As shown by Plate H-17 of the Albuquerque Master Drainage Study, this site does not lie within a Designated Flood Hazard Zone. In addition, this site does not appear to contribute runoff to an existing downstream flooding condition. This is probably due to the fact that the adjacent streets contain a public storm drain system with numerous catch basins which appear to adequately accept and convey the runoff carried within the streets. To enhance the ability of the existing catch basins to intercept runoff, the intersection of Quincy Street N.E. and Prospect Avenue N.E. have been depressed slightly to create a sump situation. Field observation has revealed a catch basin at the PC and PT of every return. It is assumed that the design of this system has accounted for the fully developed condition. This statement is made in view of the fact that this is a relatively new system and not an older, obsolete facility.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1'0" intervals, 2) the limit and character of the existing improvements, 3) the limit and character of the proposed improvements, and 4) continuity between existing and proposed grades. As shown by this plan, the proposed improvements consist of the construction of an office building along with adjacent paving and landscaping. At present, runoff flows from northeast to southwest to accumulate at the intersection of Prospect Avenue N.E. and Quincy Street N.E. This pattern of runoff will be maintained by the proposed construction. Existing drainage facilities are located within the existing adjacent streets as previously discussed. Due to the presence of these facilities, developed runoff will be freely discharged from this site to the public right-of-way.

The Calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The SCS Method has been utilized for volume analysis and the Rational Method has been chosen for discharge rate analysis in accordance with the City of Albuquerque Development Process Manual, Volume II. As shown by these calculations, the proposed improvements will result in slightly more discharge from the site. There was no pre-design conference since the improvements do not constitute a substantial change from the existing improvements.

CALCULATIONS

Ground Cover Information

From SCS Bernalillo County Soil Survey,
Plate: 31
Hydrologic Soil Group: B
Existing Pervious CN = 69 (DPM Plate 22.2 C-2)
Laws: fair condition
Developed Pervious CN = 69 (DPM Plate 22.2 C-2)

Time of Concentration/Time to Peak

$T_c = 0.0078 L^{0.77} / S^{0.385}$ (Kirpich Equation)
 $T_p = T_c = 10$ min.

Point Rainfall

$P_6 = 2.45$ in. (DPM Plate 22.2 D-1)

Rational Method

Discharge: $Q = CIA$
where C varies
 $i = P_6 (6.84) T_c^{-0.51} = 4.76$ in/hr
 $P_6 = 2.25$ in (DPM Plate 22.2D-1)
 $T_c = 10$ min (minimum)
A = area, acres

SCS Method

Volume: $V = 3630(DRO) A$
Where DRO = Direct runoff in inches
A = area, acres

Existing Condition

Atotal = 54,102 sf = 1.2 Ac
Roof area = 8,200 sf (0.90)
Paved area = 20,536 sf (0.90)
Landscaped area = 25,366 sf (0.40)
C = 0.66 (Weighted average per Emergency Rule, 1/14/86)

$Q_{100} = CIA = 0.66(4.76)1.2 = 3.8$ cfs
 $A_{imp} = 28,736$ sf; % impervious = 53 %
Composite CN = 84 (DPM Plate 22.2 C-3)
DRO = 1.0 in (DPM Plate 22.2 C-4)
 $V_{100} = 3630 (DRO) A = 4350$ cf

Developed Condition

Atotal = 54,102 sf = 1.2 Ac
Roof area = 10,505 sf = (0.90)
Paved area = 23,235 sf = (0.90)
Landscaped area = 20,362 sf = (0.40)
C = 0.71 (Weighted average per Emergency Rule, 1/14/86)

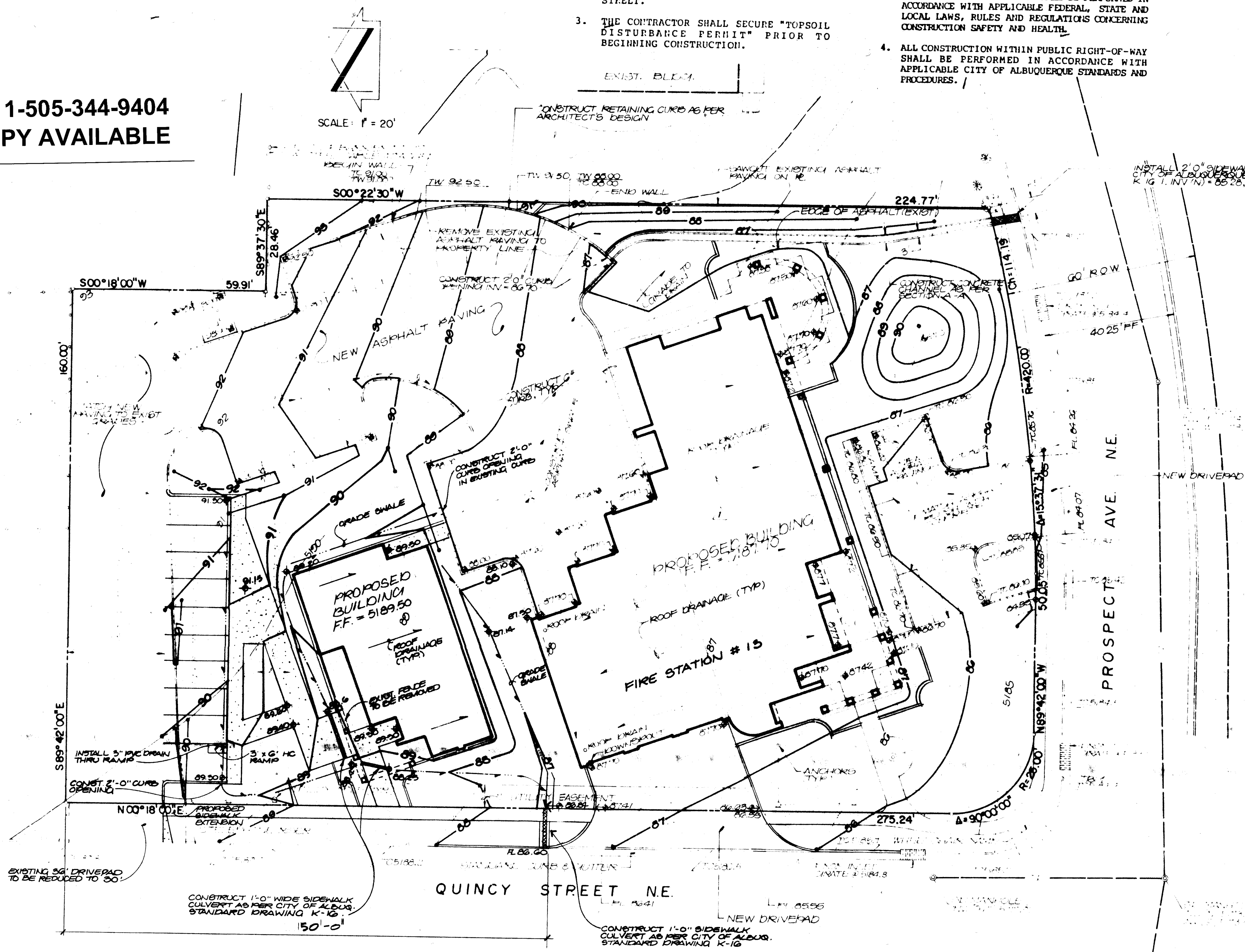
$Q_{100} = CIA = 4.0$ cfs
 $A_{imp} = 33,740$ sf; % impervious = 62 %
Composite CN = 87 (DPM Plate 22.2 C-3)
DRO = 1.15 in (DPM Plate 22.2 C-4)
 $V_{100} = 3630 (DRO) A = 8,000$ cf

Comparison

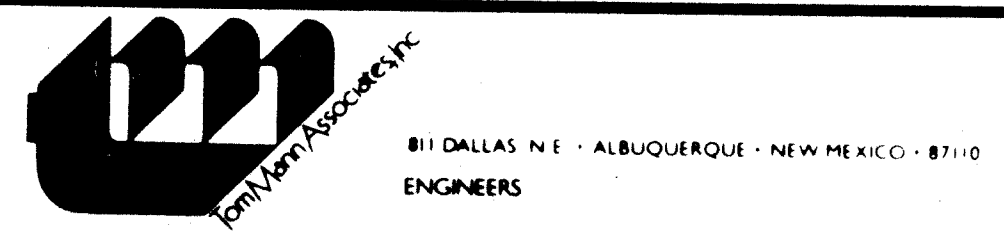
$\Delta Q_{100} = 4.0 - 3.8 = +0.2$ cfs
 $\Delta V_{100} = 5000 - 4350 = +650$ cf



LASON 1-505-344-9404
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NOTE: ITEMS PROPOSED FOR CONSTRUCTION FOR FIRE STATION # 13 ARE CONSIDERED EXISTING FOR THIS PROJECT. FIRE STATION # 13 DATA HAS BEEN SCREENED AND SHALL BE INTERPRETED AS EXISTING.



NO	DATE	BY	REVISIONS

DESIGNED BY	SKS
DRAWN BY	SGH
APPROVED	JGM

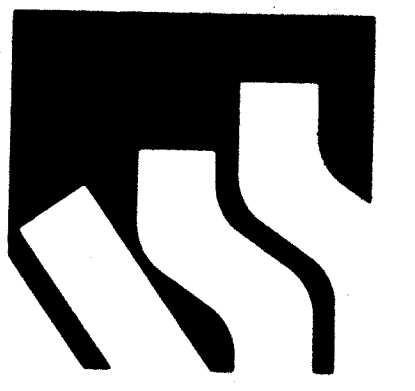
JOB NO	50303
DATE	6-86

GRADING AND DRAINAGE PLAN
FIRE MARSHALL'S OFFICE

1	2	3	4	5	6	7	8	9	10	11	12
26	30	03	02	87							

HOLMES SABATINI SMITH EEDS
ARCHITECTURE PLANNING
PROGRAMMING RESEARCH
GRAPHIC DESIGN

215 GOLD AVENUE S.W.
ALBUQUERQUE, NEW MEXICO
505 247-3705 87102



Architect

Engineer

Project

CITY OF ALBUQUERQUE
FIRE MARSHALL'S OFFICE
2510 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO

Sheet Title
DRAINAGE AND GRADING PLAN

Revisions

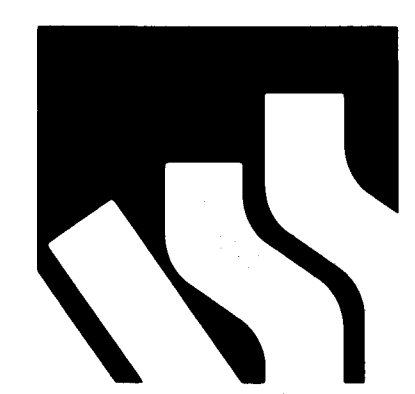
Date **28 Aug 1986**

Project No. **86-23**

Sheet No.

C-2

RECORD SET



Architect

Engineer

Project

CITY OF ALBUQUERQUE
FIRE MARSHALL'S OFFICE
2510 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO
City Project # 3003

Sheet Title
LANDSCAPE PLAN

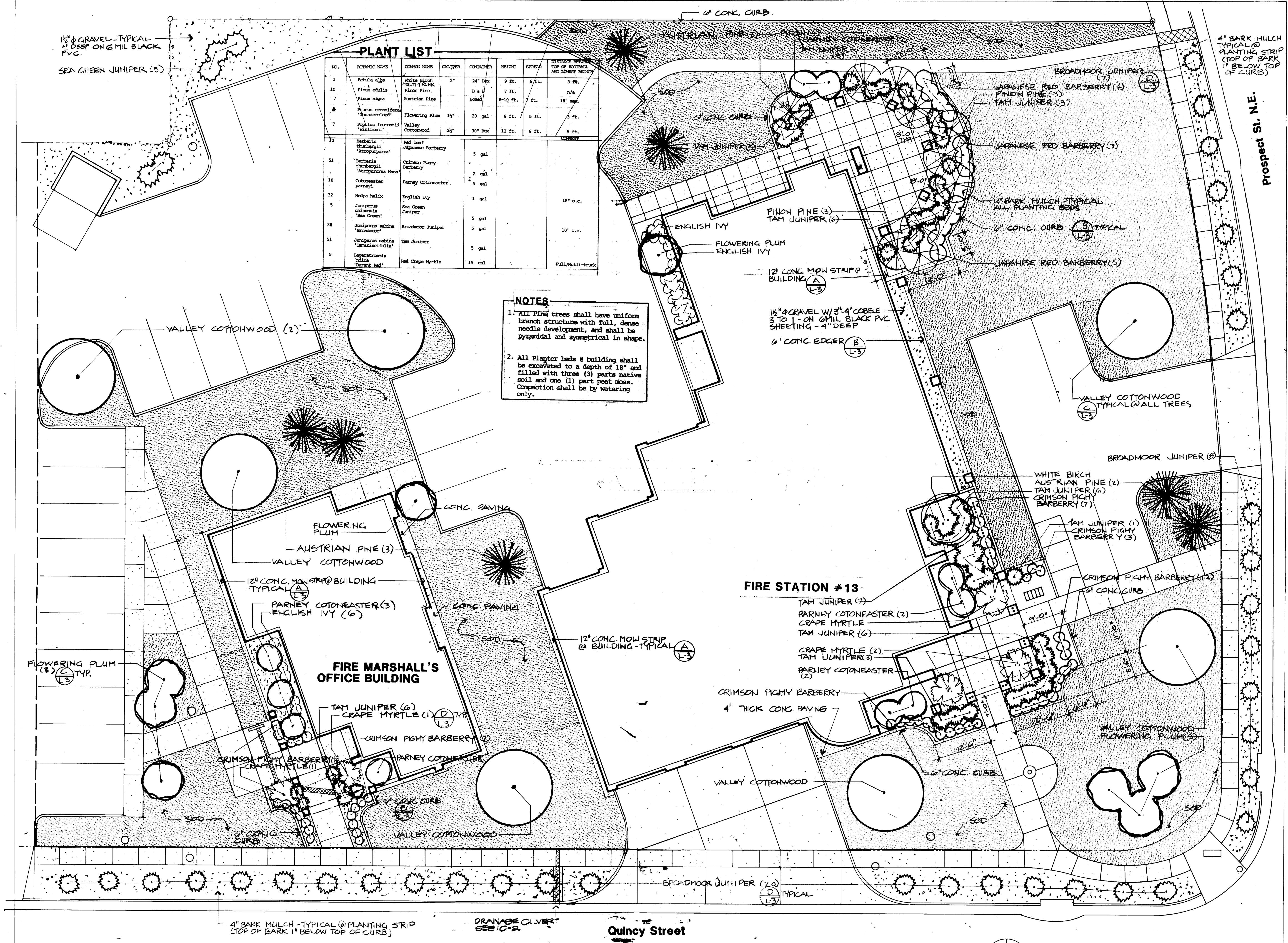
Revisions

Date
28 Aug 1986
Project No. 86-23

Sheet No.

L-1

RECORD SET: 4 MAY 87



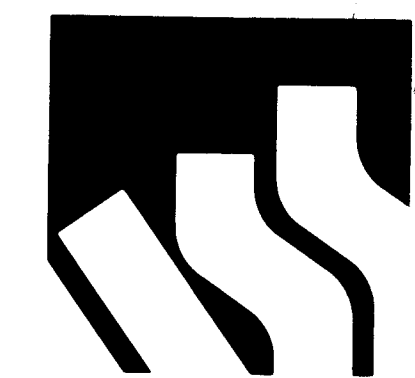
PLANT LIST									
NO.	BOTANIC NAME	COMMON NAME	CALIPER	CONTAINER	HEIGHT	SPREAD	DISTANCE FROM TOP OF CURB TO TOP OF BRANCH		
1	Betula alba	White Birch	2"	24" Box	9 ft.	6 ft.	3 ft.		
10	Pinus edulis	Pinon Pine		Box	7 ft.		n/a		
7	Pinus nigra	Austrian Pine		Box	8-10 ft.	7 ft.	18" max.		
8	Pinus cerasifera	Flowering Plum	14"	20 gal.	8 ft.	5 ft.	3 ft.		
7	Populus fremontii	Valley Cottonwood	24"	30" Box	12 ft.	8 ft.	5 ft.		
12	Berberis thunbergii	Red leaf Japanese Barberry		5 gal.					
51	Berberis thunbergii	Crimson Pigmy Barberry		2 gal.					
10	Cotoneaster parneyi	Parney Cotoneaster		5 gal.					
32	Hedera helix	English Ivy		1 gal.			18" o.c.		
5	Juniperus chinensis	Sea Green Juniper		5 gal.					
36	Juniperus sabina	Broadmoor Juniper		5 gal.			10" o.c.		
51	Juniperus sabina	Tam Juniper		5 gal.					
5	Lagerstroemia indica	Red Chepe Myrtle		15 gal.			Full/Multi-trunk		

NOTES

1. All Pinus trees shall have uniform branch structure with full, dense needle development, and shall be pyramidal and symmetrical in shape.
2. All Planter beds @ building shall be excavated to a depth of 18" and filled with three (3) parts native soil and one (1) part peat moss. Compaction shall be by watering only.

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NOTE: ALL LANDSCAPE WORK IS TO BE ALTERNATE #1. ALL CONCRETE WORK I.E. CURBS, MOW STRIPS, IS TO BE A PART OF THE BASE BID.



Architect

Engineer

Project

CITY OF ALBUQUERQUE
FIRE MARSHALL'S OFFICE
2510 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO
CITY PROJECT # 1993

Sheet Title
IRRIGATION PLAN

Revisions
24 APRIL 87
AS-BUILT

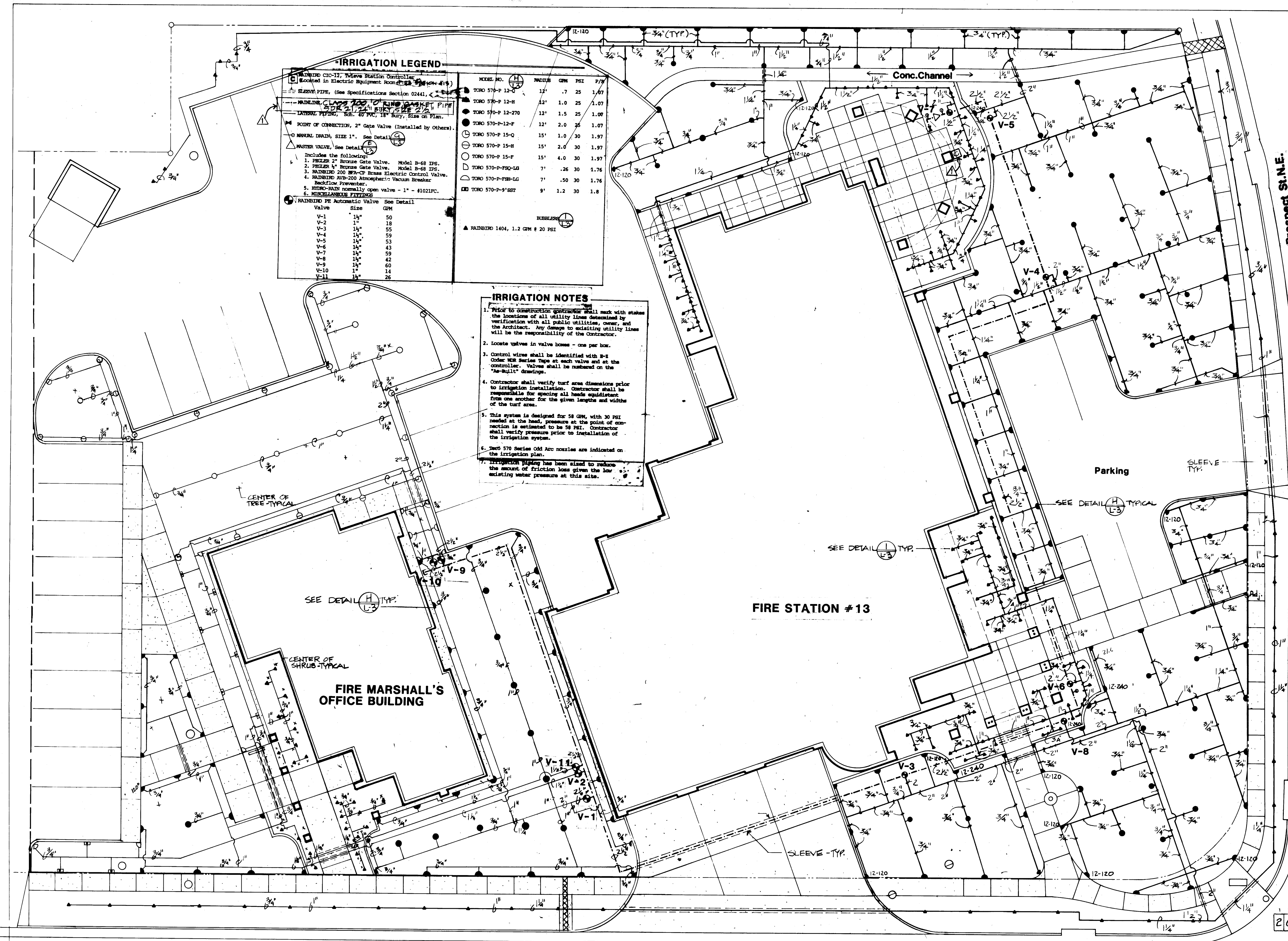
26 30030487

Date
28 Aug 1986

Project No. 86-23

Sheet No.

L-2



IRRIGATION LEGEND

MANHOLE CIO-12, Manure Station Controller.
[Symbol] Located in Electric Equipment Room (See Section 0244).

SLUVE PIPE, (See Specifications Section 0244).

MANHOLE, CLASS 120, 12" BULKHEAD PIPE.
[Symbol] 24" x 24" BULKHEAD PIPE.

LANDSCAPE PIPING, SCH. 40 P.C., 1" BULKHEAD PIPE.

POINT OF CONNECTION, 2" Gate Valve (Installed by Others).

MANUAL DRAIN, SIZE 1". See Detail [Symbol].

MASTER VALVE, See Detail [Symbol].

Includes the following:

1. FRIEZE 2" Bronze Gate Valve, Model B-68 IPS.
2. FRIEZE 1" Bronze Gate Valve, Model B-68 IPS.
3. RAINBIRD 200 BFA-CP Bronze Electric Control Valve.
4. RAINBIRD AVS-200 Atmospheric Vacuum Breaker Backflow Preventer.
5. HYDRO-RAIN normally open valve - 1" - #1021PC.
6. MISCELLANEOUS FITTINGS.

RAINBIRD PE Automatic Valve See Detail [Symbol]

Valve	Size	GPM
V-1	1 1/2"	50
V-2	1"	18
V-3	1 1/2"	55
V-4	1 1/2"	59
V-5	1 1/2"	53
V-6	1 1/2"	43
V-7	1 1/2"	59
V-8	1 1/2"	42
V-9	1 1/2"	60
V-10	1"	14
V-11	1 1/2"	26

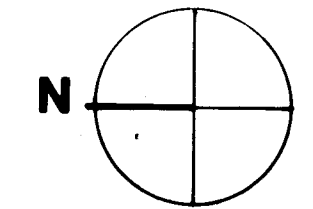
MODEL NO. [Symbol] RAINBIRD 1404, 1.2 GPM @ 20 PSI

RAINBIRD 1404, 1.2 GPM @ 20 PSI

- IRRIGATION NOTES**
1. Prior to construction contractor shall mark with stakes the locations of all utility lines determined by verification with all public utilities, owner, and the Architect. Any damage to existing utility lines will be the responsibility of the Contractor.
 2. Locate valves in valve boxes - one per box.
 3. Control wires shall be identified with B-I Color TSP Series Tape at each valve and at the controller. Valves shall be numbered on the "As-Built" drawings.
 4. Contractor shall verify turf area dimensions prior to irrigation installation. Contractor shall be responsible for spacing all heads equidistant from one another for the given lengths and widths of the turf area.
 5. This system is designed for 58 GPM, with 30 PSI needed at the head, pressure at the point of connection is estimated to be 58 PSI. Contractor shall verify pressure prior to installation of the irrigation system.
 6. Toro 570 Series Odd Arc nozzles are indicated on the irrigation plan.
 7. Irrigation piping has been sized to reduce the amount of friction loss given the low existing water pressure at this site.

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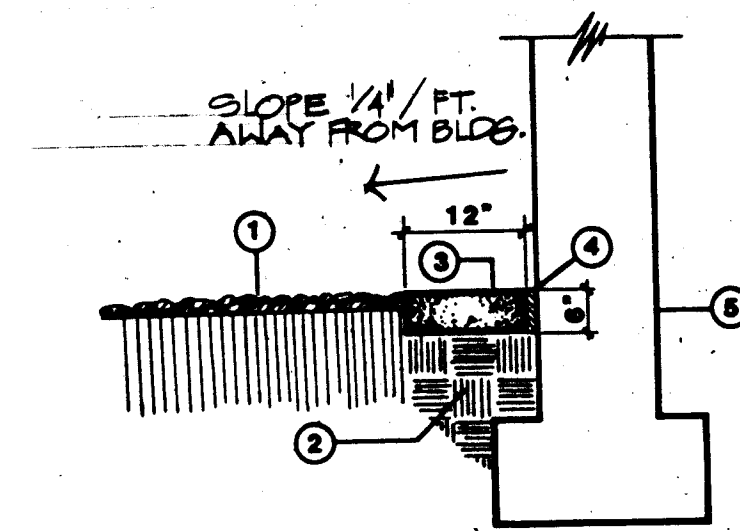
NOTE: ALL LANDSCAPE & IRRIGATION WORK IS ALTERNATE NO. 1 EXCEPT CONCRETE CURBS AND MOW STRIPS AND SLEEVES REQUIRED UNDER CONC. OR ASPHALT PAVING WHICH SHALL BE PART OF BASE BID



1" = 10'

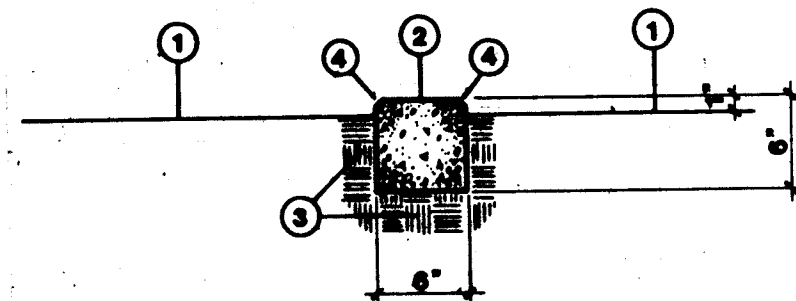
DENNIS C. WILKINSON AND ASSOCIATES
DCW
LANDSCAPE ARCHITECTURE • DEVELOPMENT PLANNING
P.O. BOX 1542 505/897-7430
CORRALES, NEW MEXICO 87048

RECORD SET



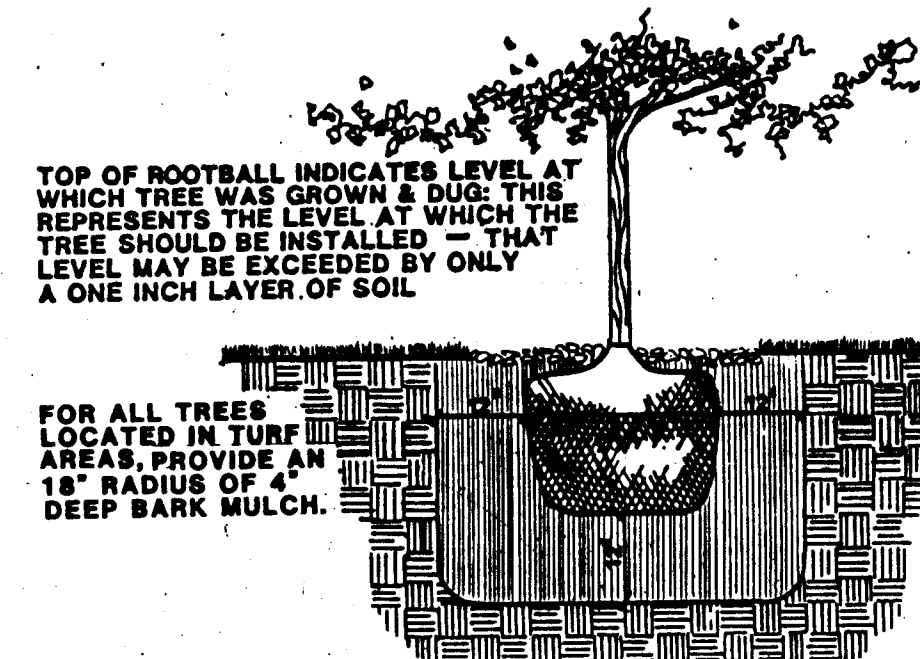
- 1 PLANTER BED OR LAWN
 - 2 SUBGRADE COMPACTED 95%
 - 3 3000 PSI CONCRETE EDGER
 - 4 1/2" EXPANSION FELT
 - 5 BUILDING
- NOTES • PROVIDE 1/2" EXPANSION JOINTS 20'-0" O.C.
• PROVIDE TOOLED JOINTS 8'-0" O.C.
• SLOPE EDGER 1/4" PER 1'-0" AWAY FROM BUILDING

12" CONCRETE CROWN STRIP ADJACENT TO BUILDING N.T.S.



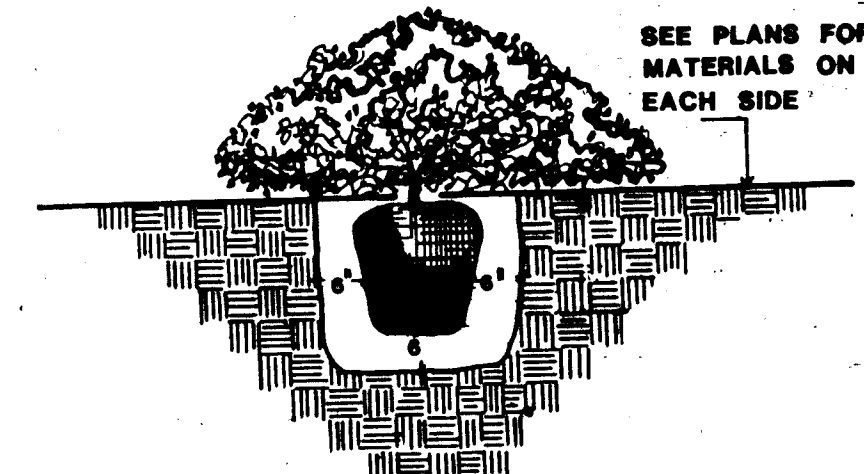
- 1 FINISH GRADE
- 2 3000 PSI CONCRETE POURED IN PLACE
- 3 SUBGRADE COMPACTED TO 95%
- 4 1/2" CHAMFER

CONCRETE CURB IN OPEN AREA N.T.S.



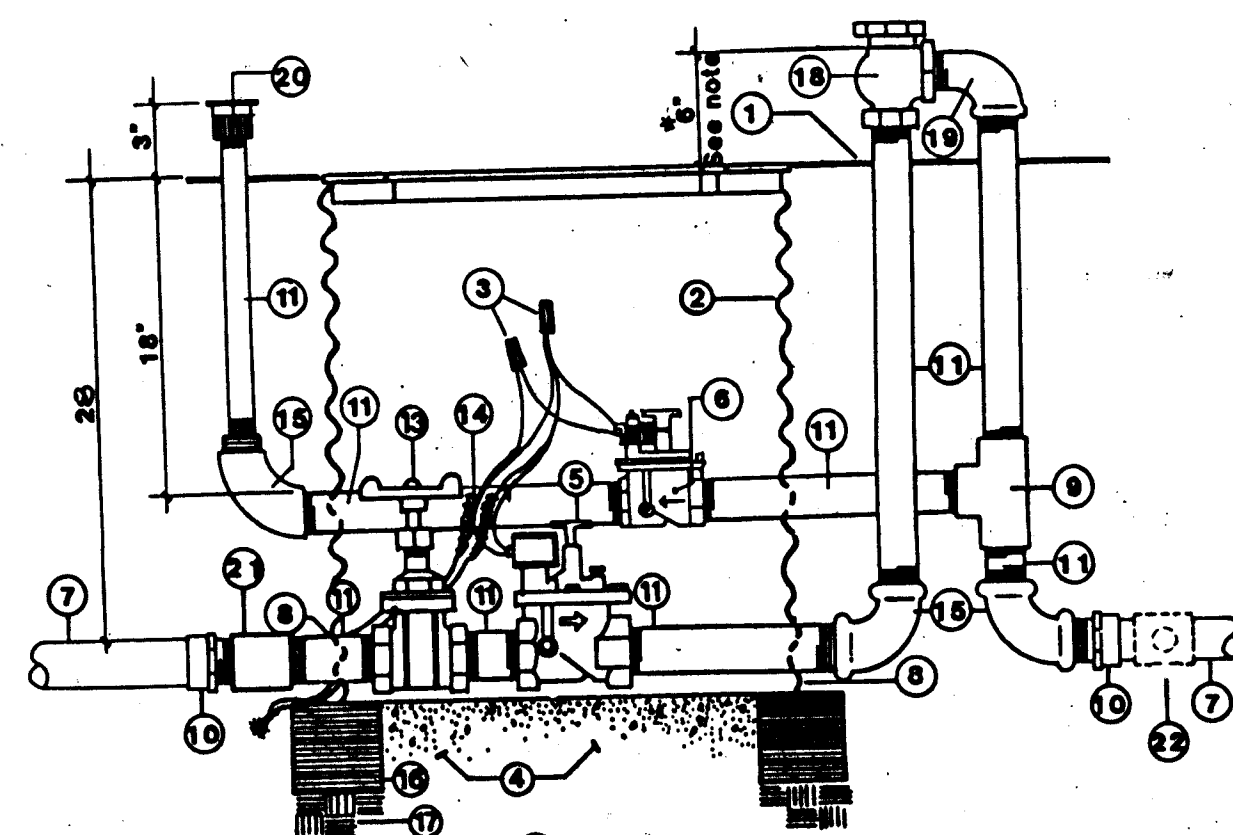
- TOP OF ROOTBALL INDICATES LEVEL AT WHICH TREE WAS GROWN & DUG; THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED - THAT LEVEL MAY BE EXCEEDED BY ONLY A ONE INCH LAYER OF SOIL.
- FOR ALL TREES LOCATED IN TURF AREAS, PROVIDE AN 18" RADIUS OF 4" DEEP BARK MULCH.
- PLANTING PITS SHALL BE TWO FEET GREATER IN DIAMETER THAN THE ROOTBALL AND TWELVE INCHES GREATER THAN THE DEPTH OF THE ROOTBALL.
- BACKFILL SHALL CONSIST OF THREE PARTS EXISTING SOIL AND ONE PART PEAT MOSS.

TREE DETAIL IN TURF AREAS (TYPICAL) N.T.S.



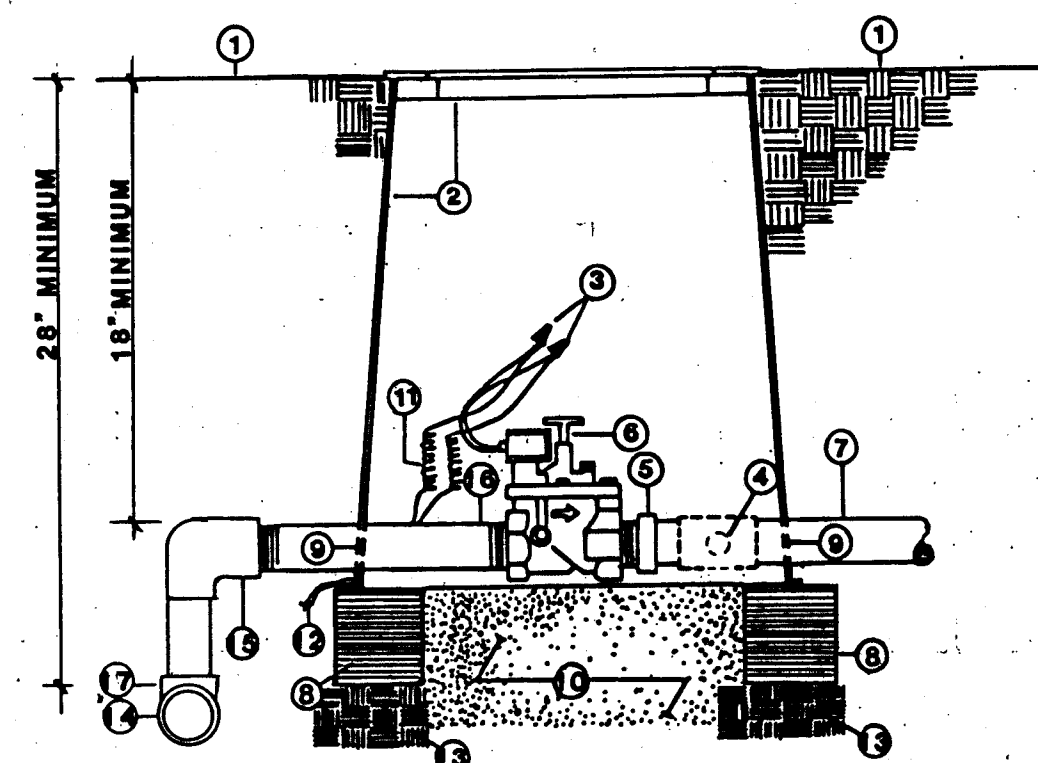
- PLANTING PITS FOR SHRUBS SHALL BE ONE FOOT GREATER IN DIAMETER THAN ROOTBALL AND SIX INCHES GREATER IN DEPTH THAN THE ROOTBALL.
- BACKFILL SHALL CONSIST OF THREE PARTS EXISTING SOIL & ONE PART PEAT MOSS.

SHRUB DETAIL (TYPICAL) N.T.S.



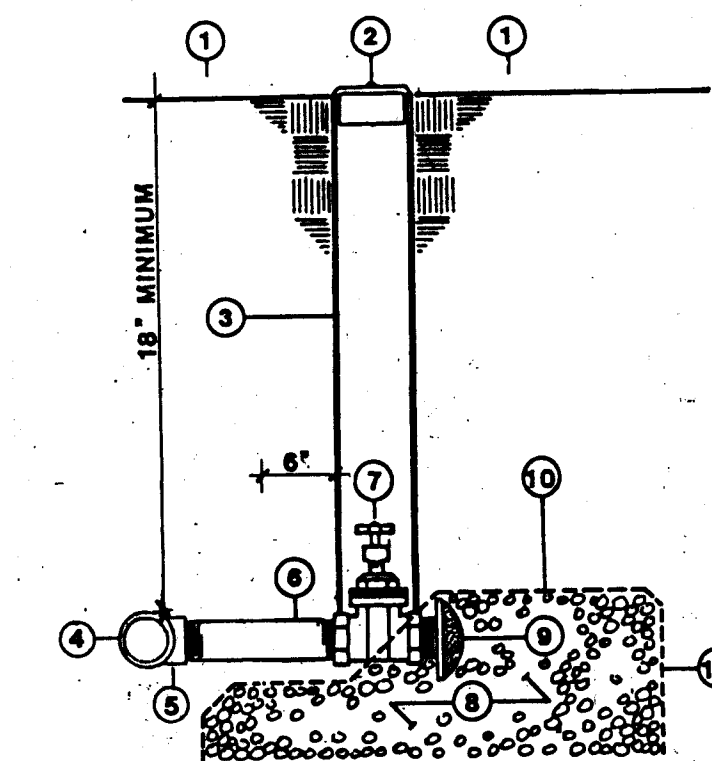
- 1 FINISH GRADE
- 2 BASS & HAYS VALVE BOX 34 D
- 3 SPEARS DRI-SPLICE CONNECTORS
- 4 2 CUBIC FEET 1" WASHED ROCK
- 5 BRASS ELECTRIC CONTROL VALVE
- 6 1" HYDRO-RAIN NORMALLY OPEN VALVE
- 7 PVC MAIN LINE
- 8 CUT OUT FOR MAIN LINE
- 9 GALV. "T"
- 10 PVC MALE ADAPTER
- 11 GALV. NIPPLE
- 12 SCH 40 PVC 8x8 TEE
- 13 BRASS GATE VALVE
- 14 3/4" WIRE EXPANSION COIL
- 15 GALV. ELL
- 16 8"x8"x16" SOLID CMU
- 17 95% COMPACTED SUBGRADE
- 18 ATMOSPHERIC VACUUM BREAKER
- 19 GALV. STREET ELL
- 20 ADJUSTABLE FLOOD BUBBLER
- 21 GALVANIZED COUPLING
- 22 MANUAL DRAIN SEE DETAIL

MASTER VALVE & VACUUM BREAKER ASSEMBLY N.T.S.



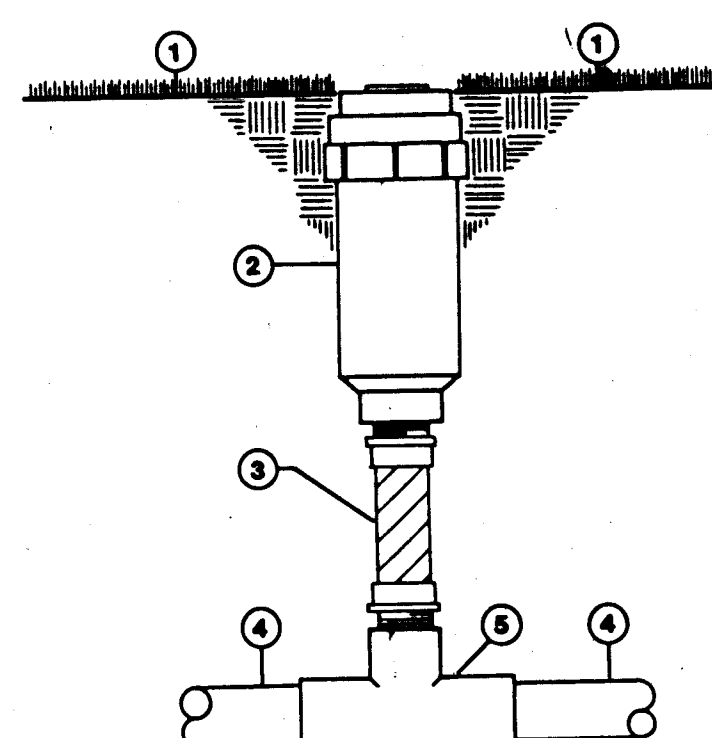
- 1 FINISH GRADE
- 2 12" STANDARD AMETEK BOX W/ EXTENSIONS
- 3 SPEARS DRI-SPLICE CONNECTORS
- 4 MANUAL DRAIN. SEE DETAIL
- 5 SCH.40 PVC WIP ADAPTER
- 6 AUTOMATIC VALVE (SEE PLAN)
- 7 LATERAL PIPE
- 8 8"x8"x16" SOLID CMU
- 9 CUT OUT FOR LATERAL PIPE
- 10 2 CUBIC FEET 1" DIAM. WASHED ROCK
- 11 3/4" WIRE EXPANSION COIL
- 12 WIRE BUNDLE
- 13 COMPACTED SUBGRADE TO 95%
- 14 MAINLINE
- 15 8xT SCH. 40 PVC ELL
- 16 12" GALV. NIPPLE
- 17 MAINLINE TEE

AUTOMATIC VALVE ASSEMBLY N.T.S.



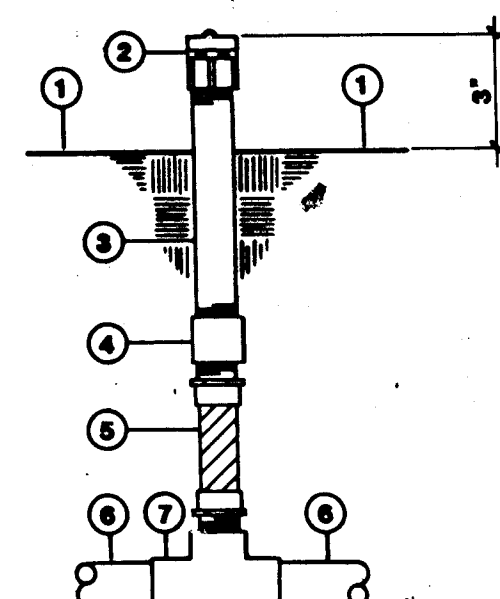
- 1 FINISH GRADE
- 2 2" LOCKING VALVE MARKER
- 3 2" CLASS 160 PVC
- 4 LATERAL LINE
- 5 8xT SCH. 40 PVC TEE
- 6 SCH. 80 PVC NIPPLE
- 7 BRASS GATE VALVE W/ CROSS HANDLE
- 8 2 CUBIC FEET 1 1/2" GRAVEL
- 9 KING AUTOMATIC DRAIN
- 10 6 MIL POLYETHYLENE BLACK PLASTIC

MANUAL DRAIN N.T.S.



- 1 FINISH GRADE
- 2 TORO 570- P
- 3 1/2"x12" MAXMA PVC FLEX NIPPLE
- 4 PVC LATERAL PIPING
- 5 PVC FITTING

FIXED SPRAY POP-UP SPRINKLER N.T.S.



- 1 FINISH GRADE
- 2 BUBBLER (SEE PLAN)
- 3 1/2"x14" SCH. 80 PVC NIPPLE
- 4 1/2" PVC THREADED COUPLING
- 5 1/2"x6" MAXMA PVC FLEX NIPPLE
- 6 PVC LATERAL PIPING
- 7 PVC FITTING

FLOOD BUBBLER N.T.S.

NOTE: ALL LANDSCAPE & IRRIGATION WORK IS ALTERNATE NO. 1 EXCEPT CONCRETE CURBS/NOWSTRIPS AND SLEEVES FOR IRRIGATION UNDER CONC. OR ASPHALT PAVING WHICH SHALL BE PART OF BASE BID.

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26 30030587

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DCW
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CORRALES, NEW MEXICO 87048

SABATINI SMITH EEDS

ARCHITECTURE PLANNING
PROGRAMMING RESEARCH
GRAPHIC DESIGN

215 GOLD AVENUE S.W.
ALBUQUERQUE, NEW MEXICO
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Architect

Engineer

Project

CITY OF ALBUQUERQUE
FIRE MARSHALL'S OFFICE
2510 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO
City Project # 3003

Sheet Title
LANDSCAPE DETAILS

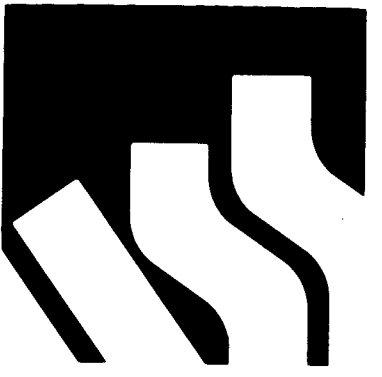
Revisions

28 Aug 1986
Project No. 86-23

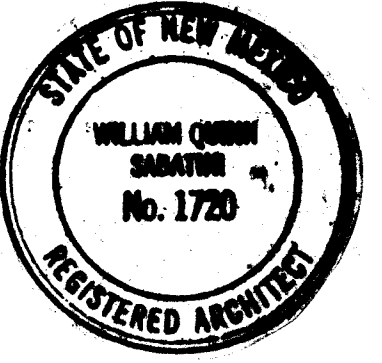
Sheet No.

L-3

RECORD SET: 4 MAY 87



Architect



Engineer

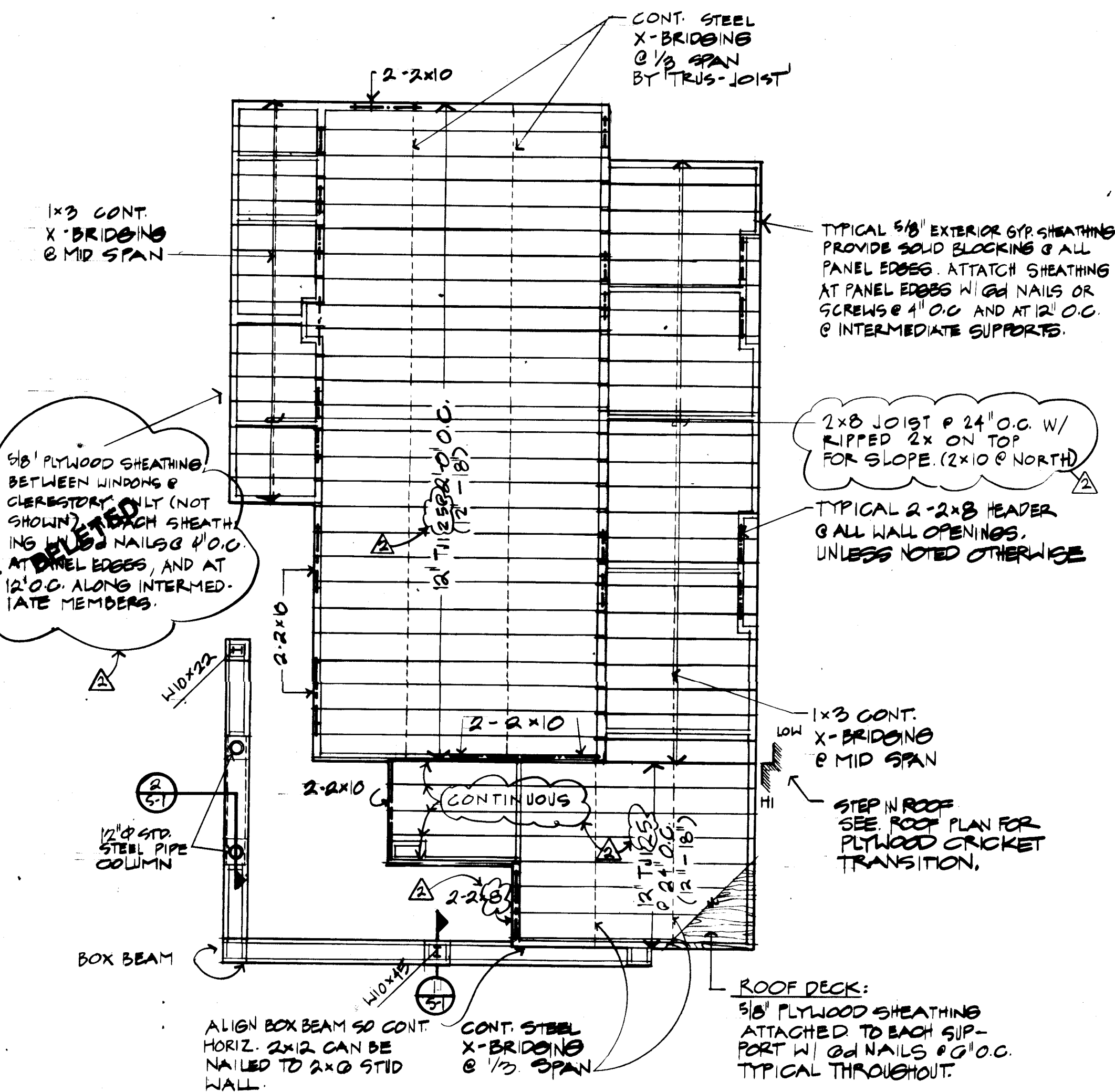
Project

CITY OF ALBUQUERQUE
FIRE MARSHALL'S OFFICE
2510 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO
CITY PHONE # 3803

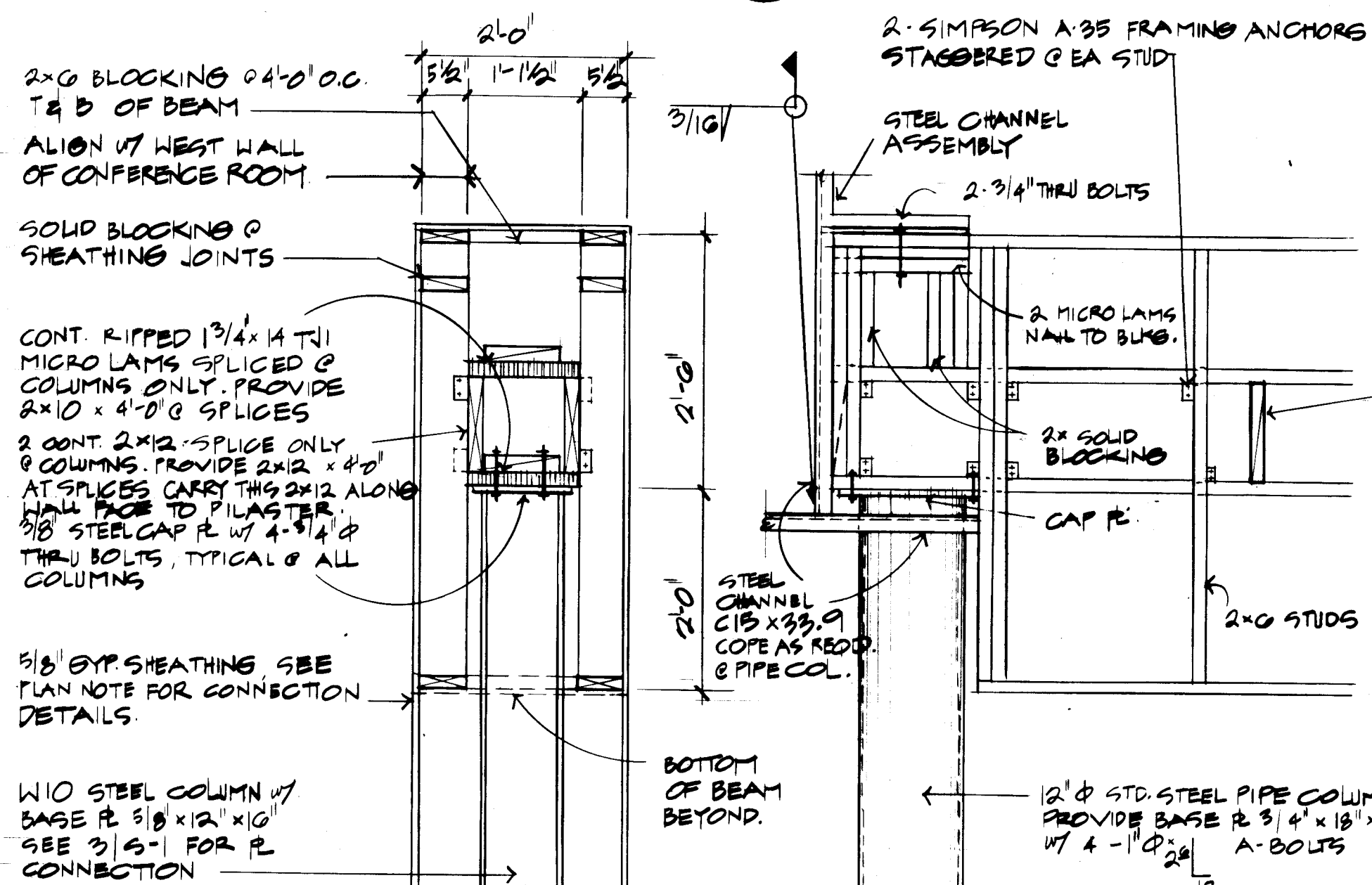
GENERAL NOTES:

- GENERAL NOTES:**
- General Contractor shall be responsible for the coordination with all subcontractors and fabricators for all openings required in floors, roofs, and walls for mechanical, architectural and electrical items. The Structural Drawings indicate openings larger than 6 inches for the convenience of the General Contractor. However, these shall not be construed to indicate the exact number, size, and location of all such openings; it is the General Contractor's responsibility to provide all openings shown on the Architectural, Mechanical, Plumbing and Electrical Drawings, and it shall be the General Contractor's responsibility to determine the number, size and location of all such openings from the Architectural, Mechanical, Plumbing and Electrical Drawings, and incorporate them into the structure. The cost of all openings and penetrations shall be included in the original bid price.
 - Mechanical contractor shall coordinate installation of the required inserts with the General Contractor. See mechanical drawings for supporting structures and inserts.
 - Mechanical contractor shall furnish all necessary structures, inserts and hanging devices for installation of mechanical equipment, pipes, etc. In no case shall the structures of support or the hanging devices be installed in such a manner as to overload any part of the building's structural components.
 - Where conflicts occur between specs, referenced codes, notes and working drawings, the most stringent requirements shall apply.
- CONCRETE:**
- All concrete shall be (150 pounds per cubic foot) f'c=3000 psi at 28 days, unless noted otherwise.
 - Concrete proportions, mixing, placing, curing, formwork, construction joints, and all applicable provisions of the ACI Code "ACI-301-72" and the ACI Standards.
 - Unless noted or detailed, provide corner bars the same size and spacing as the horizontal reinforcing at the corners and intersection of all turns and footings.
- CONCRETE REINFORCEMENT:**
- No bending or fabrication of rebar will be permitted on the job site.
 - All concrete reinforcing steel details not specifically noted on a detailed shall be in accordance with notes and details already shown as applicable.
 - Reinforcing steel shall comply with all applicable provisions of the ACI Code "ACI-318-83", the ACI detailing manual "ACI-315-74" and the C.E.S. design handbook.
- CONCRETE FOOTINGS:**
- Unless otherwise noted or detailed, center continuous wall footings on fill.
 - Where column and wall footings intersect, cast these monolithically and continue wall footing reinforcing into the column footing.
 - Center column footings about column centerlines both ways unless dimensioned otherwise.
 - Unless otherwise noted, drop the top of all stem walls the thickness of the floor slab at all door and wall openings.
- CONCRETE SLABS:**
- Slabs on grade shall have typical construction joints at 30 ft. Centers (maximum) in each direction unless otherwise noted or detailed.
 - Slab connection tests shall be taken as specified.
- STEEL JOISTS:**
- All structure steel rolled shapes, including plates and angles shall be A36 steel. Tube shapes shall conform to "ASTM A500 Grade B", 45 ksi yield.
 - Shop and field fabrication and erection of structural steel shall comply with the current A.I.C.C. Specifications for the "Design, Fabrication, and Erection of Structural Steel for Buildings".
 - All anchor bolts shall conform to ASTM A36. Bolt diameter shall be 3/4" unless noted otherwise.
- STEEL CONNECTIONS:**
- Where practicable for erection, angle and plate connections shall be shop welded to one member to minimize bolted connections.

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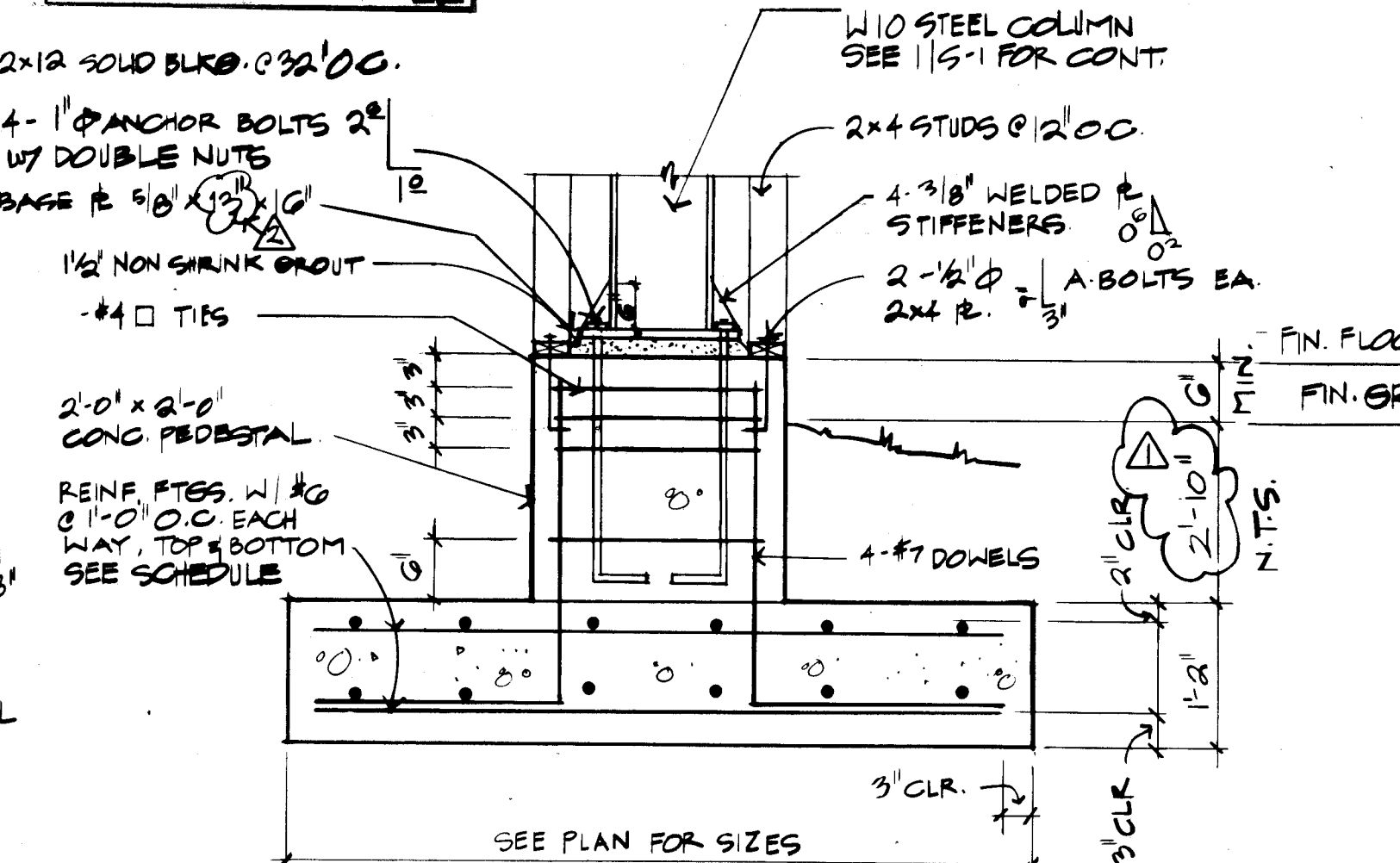


ROOF FRAMING PLAN

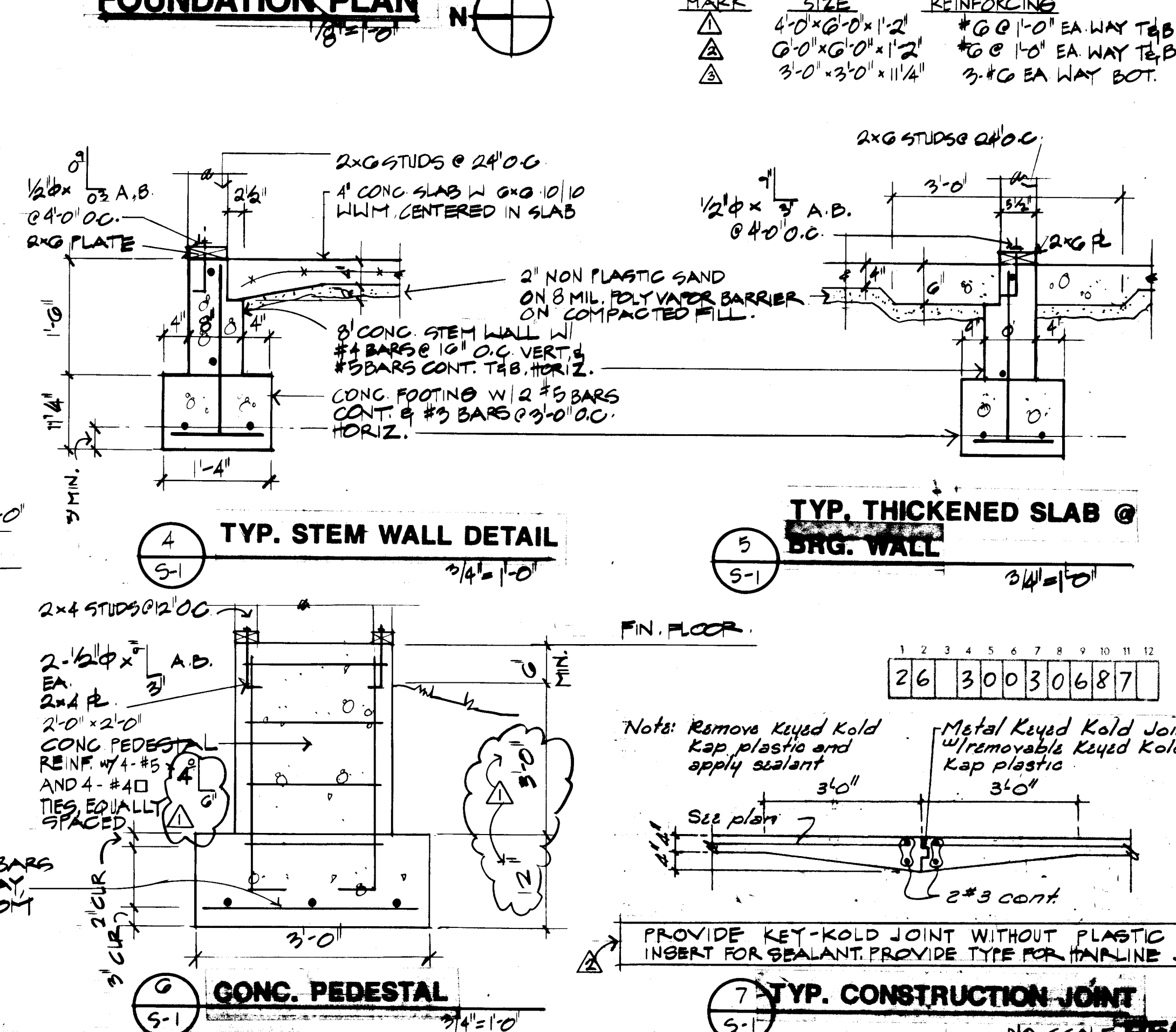


NAILING SCHEDULE (UNIFORM BUILDING CODE, 1985 ED.)

Item	Material	Quantity	Notes
1	2x6 Blocking	100	See notes
2	2x6 Studs	100	See notes
3	2x6 Joists	100	See notes
4	2x6 Trusses	100	See notes
5	2x6 Rafters	100	See notes
6	2x6 Purlins	100	See notes
7	2x6 Sills	100	See notes
8	2x6 Plates	100	See notes
9	2x6 Braces	100	See notes
10	2x6 Girders	100	See notes
11	2x6 Columns	100	See notes
12	2x6 Beams	100	See notes
13	2x6 Walls	100	See notes
14	2x6 Floors	100	See notes
15	2x6 Roofs	100	See notes
16	2x6 Foundations	100	See notes
17	2x6 Foundations	100	See notes
18	2x6 Foundations	100	See notes
19	2x6 Foundations	100	See notes
20	2x6 Foundations	100	See notes



FOUNDATION PLAN



FOOTING SCHEDULE:

MARK	SIZE	REINFORCING
1	4'-0" x 6'-0" x 1'-2"	#6 @ 1'-0" EA WAY TAB
2	6'-0" x 6'-0" x 1'-2"	#6 @ 1'-0" EA WAY TAB
3	3'-0" x 3'-0" x 1'-2"	#4 @ 1'-0" EA WAY BOT.

Sheet Title
ROOF FRAMING
FOUNDATION

Revisions

20	NOVEMBER 02
24	APRIL 87
AS	BUILT

Date
28 Aug 1984

Project No.
86-23

Sheet No.
S-1

NO SCALE RECORD SET: 4 MAY

ROOM FINISH SCHEDULE:

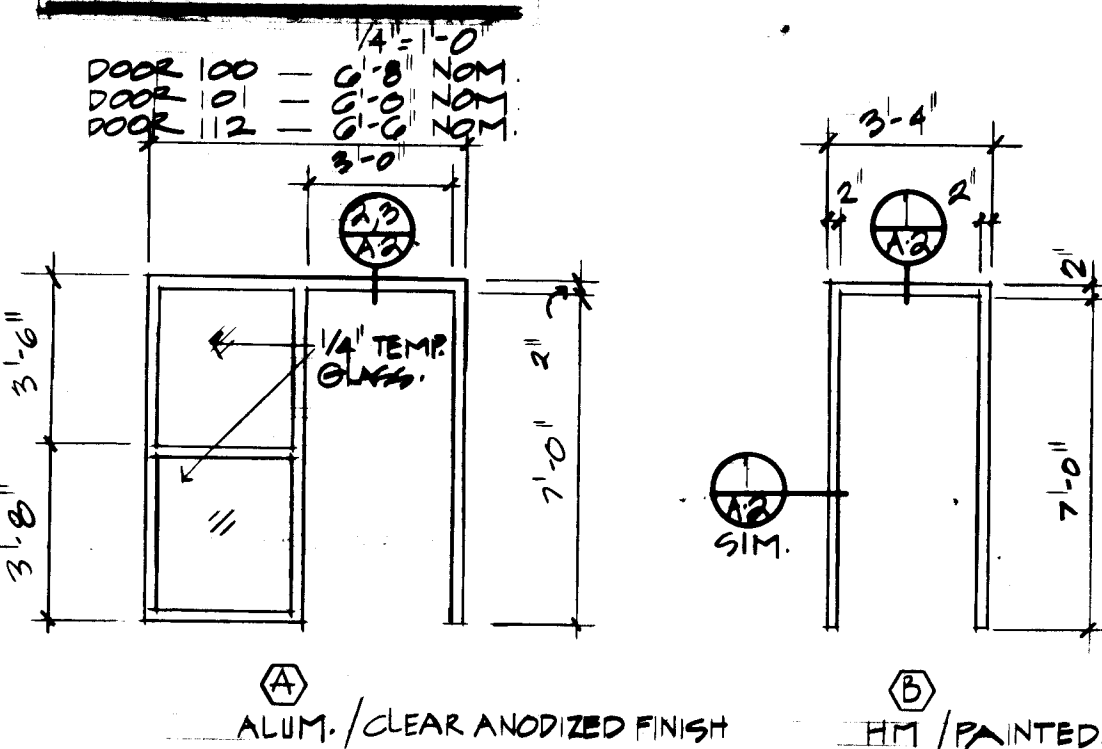
ROOM #	ROOM NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
100	VESTIBULE	2	CARPET	1/2" VINYL	5/8" TYPE X OPT 30	
101	CONFERENCE	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	
102	OFFICE	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	
103	OFFICE	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	
104	OFFICE	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	
105	OFFICE	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	
106	OPEN OFFICE	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	* NORTH WALL ONLY
107	ELECTRICAL CLOSET	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	
108	STORAGE	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	
109	WOMEN	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	* SEMI-GLASS
110	MEN	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	* SEMI-GLASS
111	MECHANICAL	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	
112	RECEPTION/CLERICAL	2	VC TILE	1/2" VINYL	5/8" TYPE X OPT 30	

GENERAL:

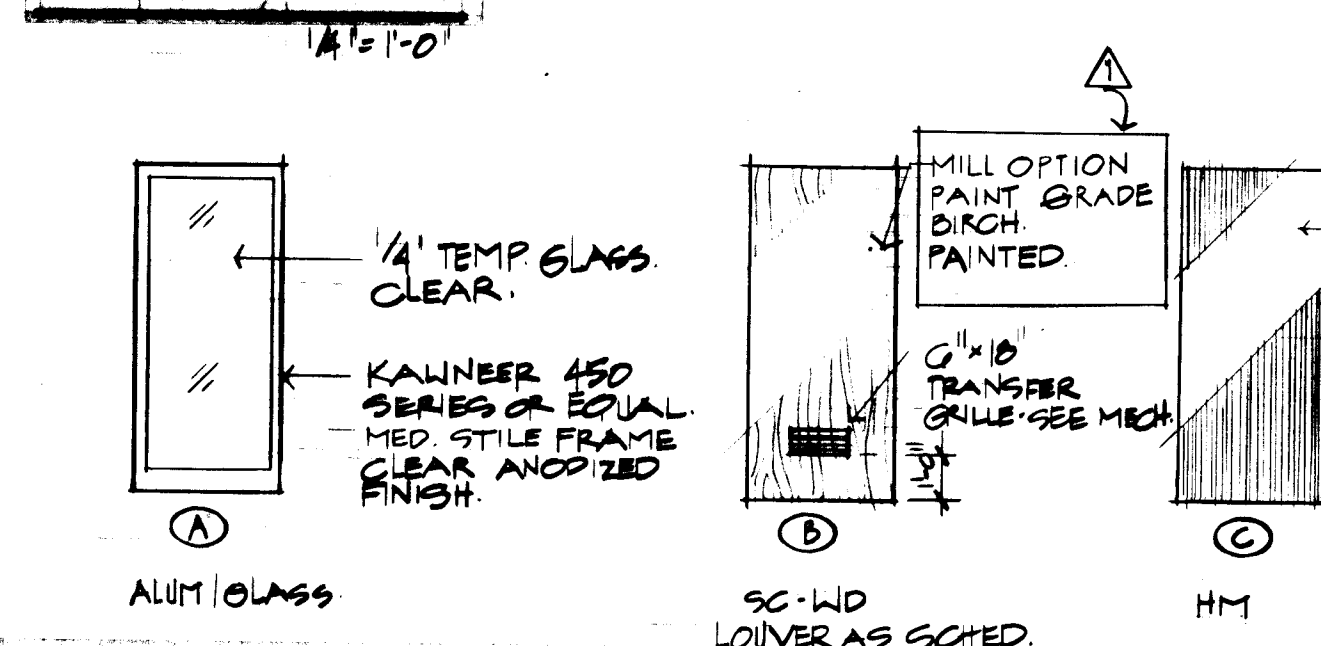
PROVIDE SIGNS AS LISTED BELOW. SIGNS SHALL BE 1/16" THICK, 6" X 6", TWO COLOR ENGRAVING STOCK, DOUBLE FACE TAPE MOUNTING, LOCATIONS BY ARCHITECT. PROVIDE: " GRAVOPLY " BY HERMES INC. OR EQUAL, COLORS AS SELECTED BY ARCHITECT.

- 1 EACH CHIEF
- 1 EACH CAPTAIN
- 2 EACH WOMEN
- 3 EACH MEN
- 2 EACH BUNK ROOM

FRAME TYPES:



DOOR TYPES:



DOOR SCHEDULE

DOOR #	DOOR								FRAME				LABEL	HARDWARE		REMARKS	
	SIZE			Mat'l	Type	Glass	Louver		Mat'l	Type	DETAILS			Set No.	Keyaldr Room No.		
	W	H	T				W	H			Head	Jamb					Sill
100	3'-0"	7'-0"	13/4"	ALGL	A	1/4" TEMP			ALUM	A	3/4" 2	3/4" 2		2	100		
101				SCWD	B	NONE	18"	0'	ALUM	A	3/4" 2	3/4" 2		3	101		
102					D		18"	0'	HM	B	1/4" 2	1/4" 2		4	102		
103					B		18"	0'						4	103		
104					B		18"	0'						4	104		
105					B		18"	0'						4	105		
106				HM	C									4	106		
107				SCWD	B									7	EXT.		
108					B								3/4 HR	5	108		
109					B								1 HR	5	109		
110					B									6			
111					B									6			
112				ALGL	A	1/4" TEMP			ALUM	A	2/4" 2	3/4" 2		3/4 HR	5	100	
														1	EXT.		

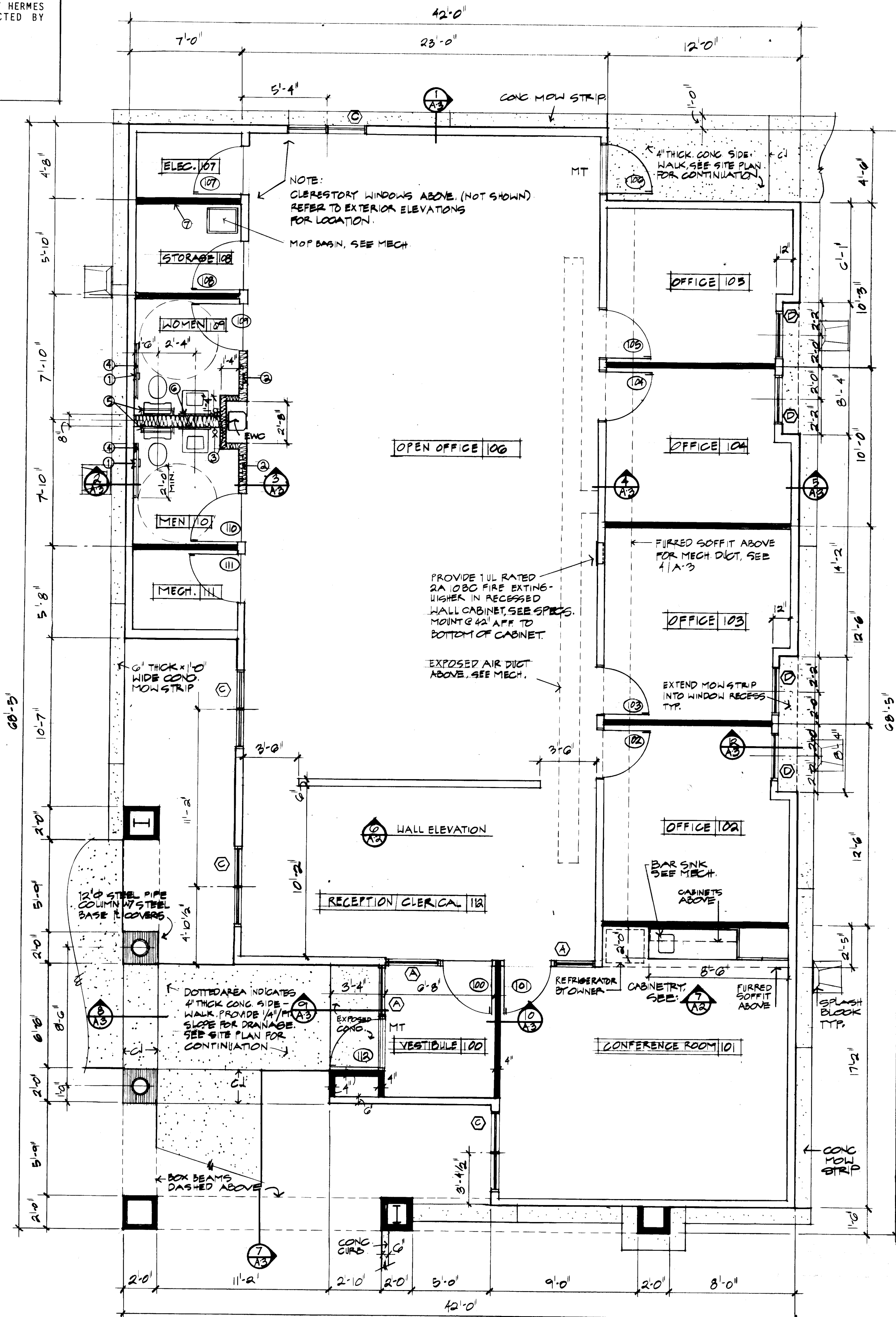
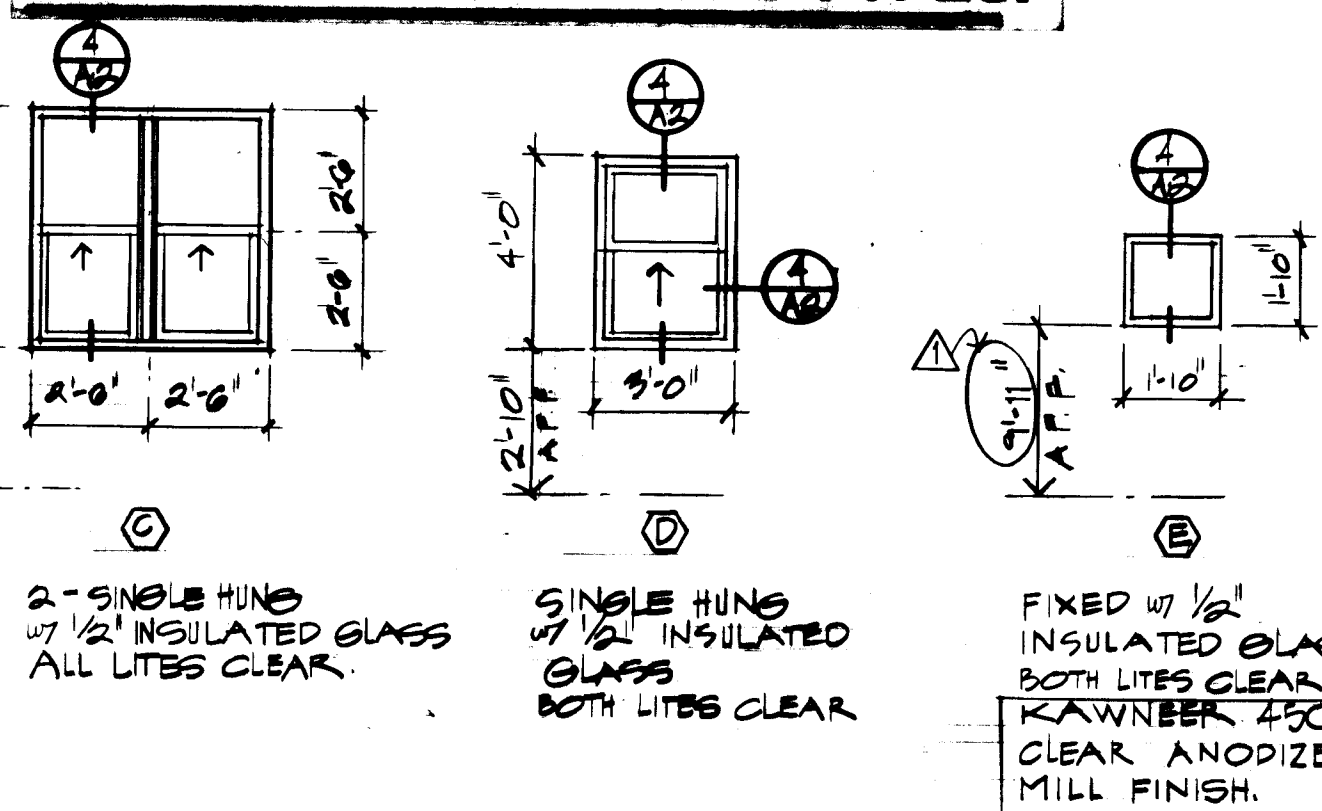
GENERAL NOTES:

1. ALL WALL FRAMING TO BE R+G WOOD STUDS @ 24" O.C. UNLESS OTHERWISE NOTED.
2. CEILING HEIGHTS TO BE AS FOLLOWS:
RM. 106, OPEN OFFICE - 12'-0" A.F.F.
RM. 112, RECEPTION, CLERICAL - 12'-0" A.F.F.
* ALL OTHER ROOMS TO HAVE A FIN. CEILING HEIGHT OF 8'-0" A.F.F.
FIN. SOFFIT HT. ABOVE BLG TO BE 7'-4" A.F.F.
3. C- CONTROL JOINT, TOOLED IN SLAB
MT- METAL THRESHOLD.
4. PROVIDE 2" THICK UNFACED BLANKET TYPE, SOUND BATT INSULATION AS INDICATED AROUND R.M.G. 109 AND 110.
5. SHADED WALLS TO BE 2x4 STUDS @ 24" O.C. EXCEPT AT EXTERIOR FRAMED COLUMNS TO BE: 2x4 STUDS @ 12" O.C. MAX.

TOILET ACCESSORIES:

1. Toilet paper dispensers:
Subject: B-288 or eq.
Finish: Pol. s.s. w/satin finish
Mounting ht: 48" to c.t. A.F.F.
2. Paper towel dispenser/receptacle:
Subject: B-348 or eq.
Finish: Pol. s.s. w/satin finish
Mounting height: 54" to top of cabinet
3. Soap Wn:
Subject: B-211 or eq.
Finish: Pol. s.s. w/satin finish
Mounting ht: 48" to c.t. A.F.F.
4. Grab Bar:
4" long, s.s. w/satin finish, 1 1/2" dia.
Mounting ht: 33" to centerline A.F.F.
Subject: B-0100 or eq.
5. Grab Bar:
24" long, s.s. w/satin finish, 1 1/2" dia.
Mounting ht: 33" to centerline A.F.F.
Subject: B-0100 or eq.
6. Mirror:
Subject: B-105 1830,
18"x20" MOUNTING HEIGHT:
40" A.F.F. MAX.
7. Bobrick B-223
2-2. MOPS BRUSH HOLDER
31" O.C. CAPACITY MOUNTING
HEIGHT: 72" A.F.F.

ALUM. WINDOW FRAME TYPES:



FLOOR PLAN

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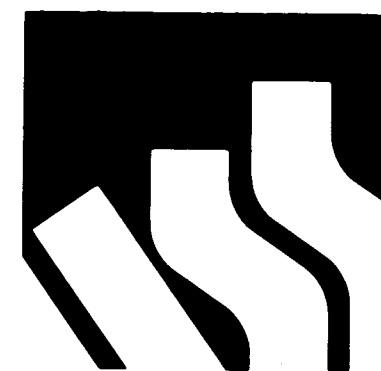
26 30030787

RECORD SET: 4 MAY 81

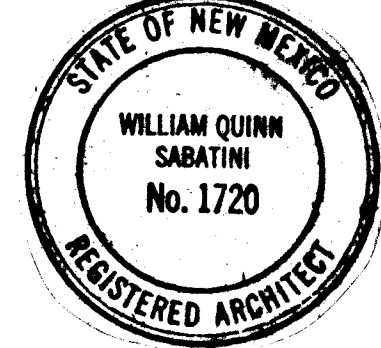
HOLMES
SABATINI
SMITH
EEDS

ARCHITECTURE PLANNING
PROGRAMMING RESEARCH
GRAPHIC DESIGN

215 GOLD AVENUE S.W.
ALBUQUERQUE, NEW MEXICO
505 247-3705 87102



Architect



Engineer

Project

CITY OF ALBUQUERQUE
FIRE MARSHALL'S OFFICE
2500 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO
CITY PROJECT # 1983

Sheet Title

FLOOR PLAN
SCHEDULES
AND
FRAME TYPES

Revisions

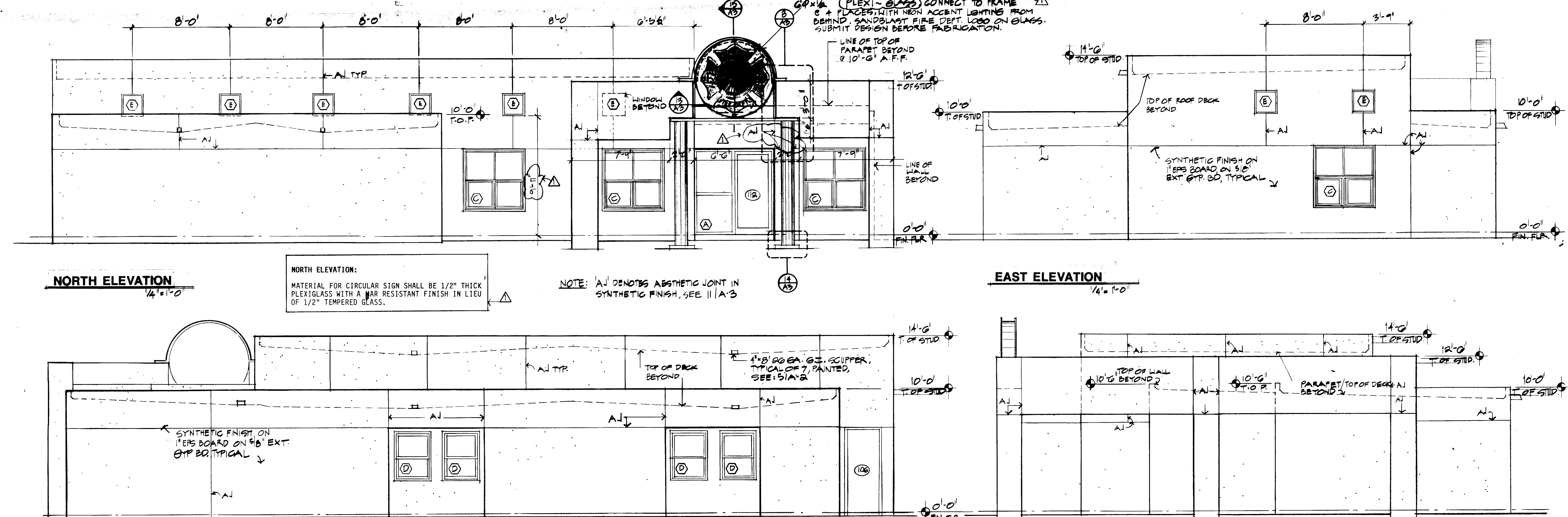
24 APRIL 81
AS-BUILT

Date
28 Aug 1980

Project No. 86-23

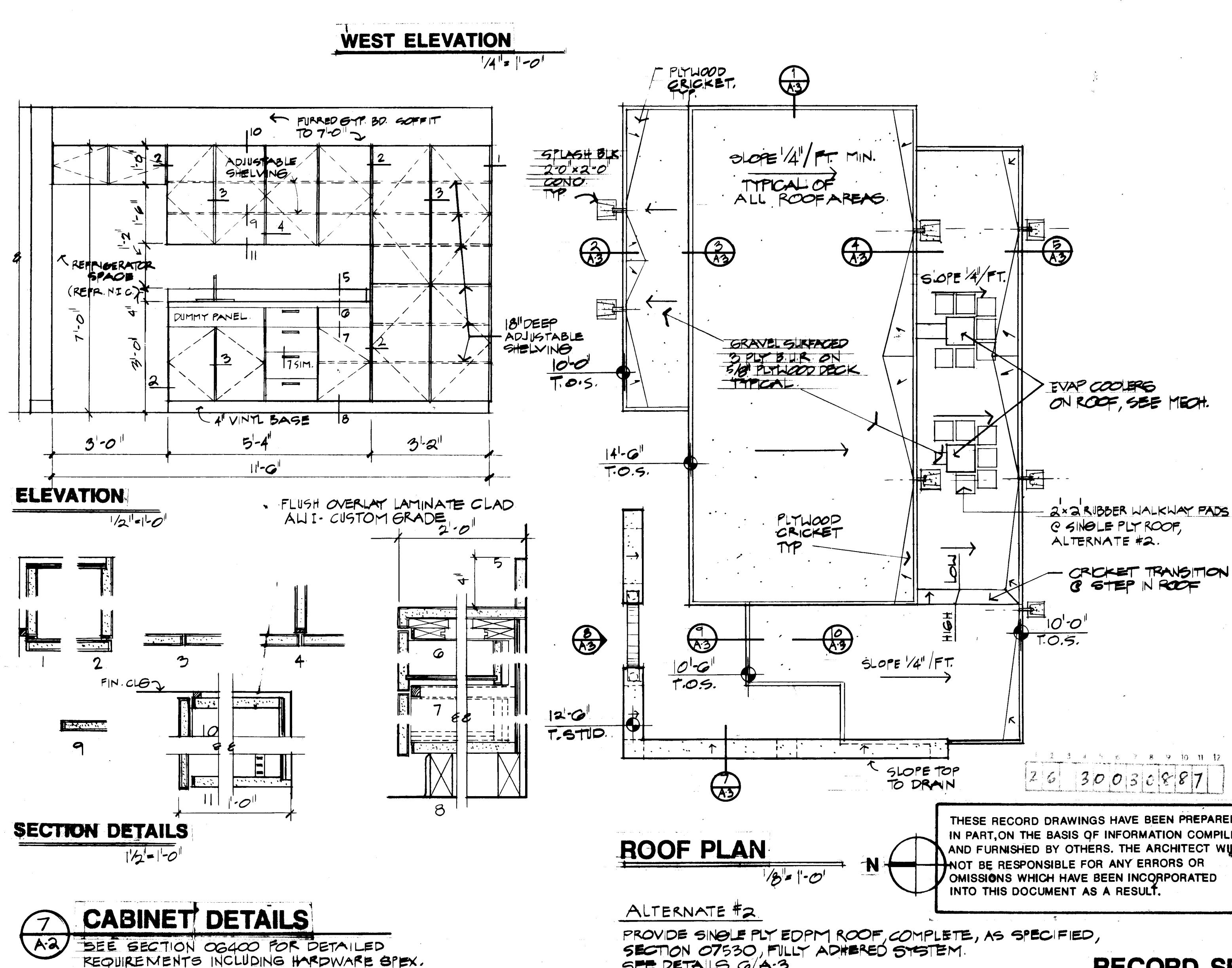
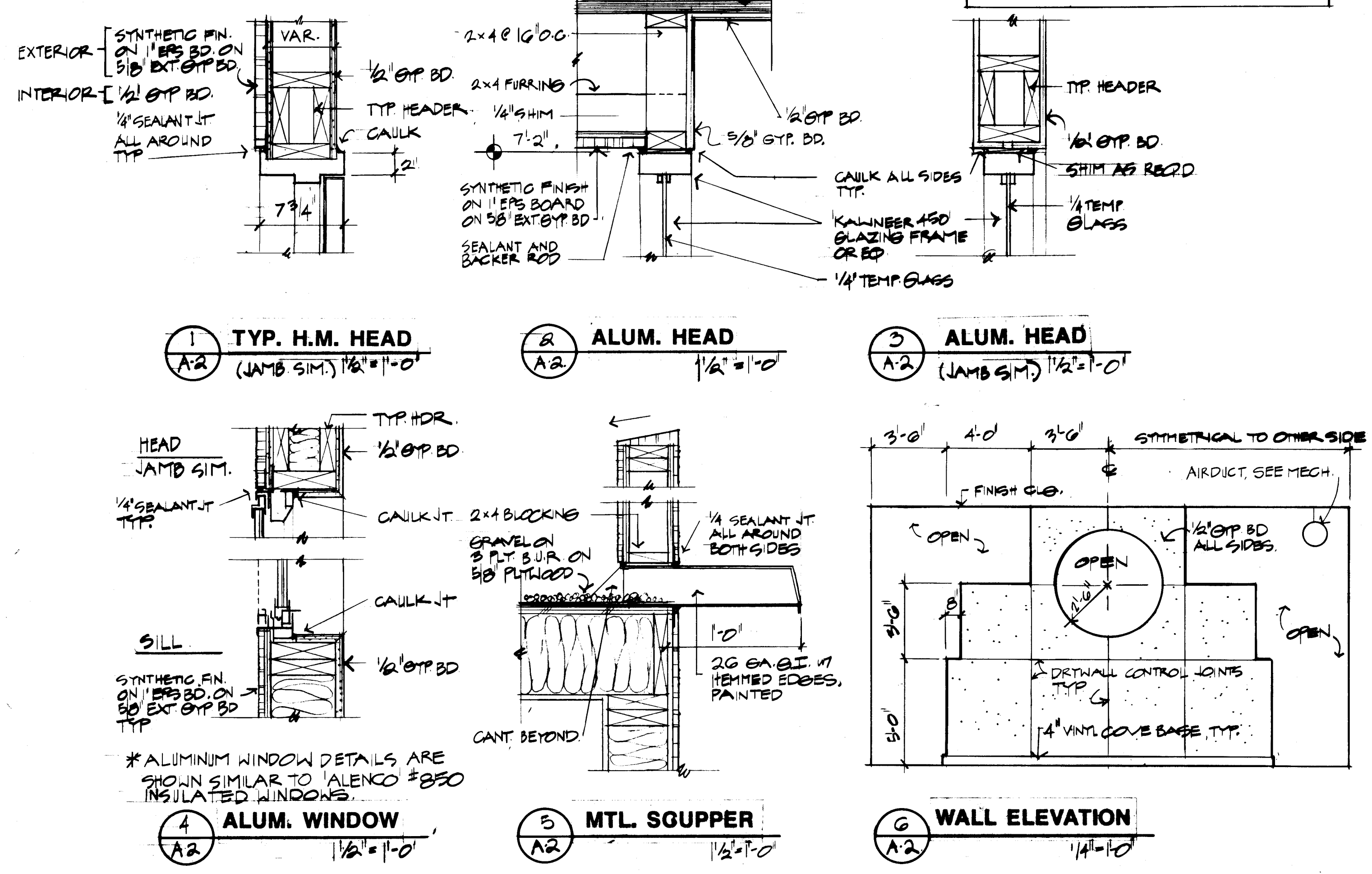
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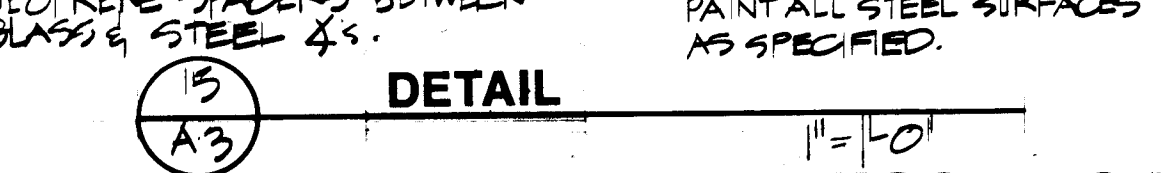
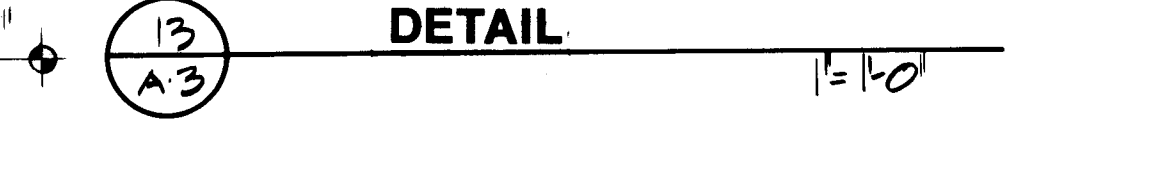
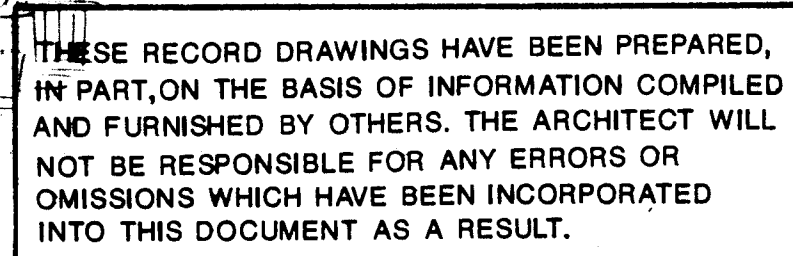
A-1



EXTERIOR COLOR SELECTIONS:
AS PER APPENDUM #1 DATED 25 SEPTEMBER 86

DETAIL 5/A-2:
PROVIDE CAST IRON ROOF SCUPPER IN LIEU OF SHEET METAL SCUPPER SHOWN. TYPE SHALL BE EQUAL TO NEENAH FOUNDRY CO. NO. R-4929-A3 TYPE A, WITH INTEGRAL FLASHING RING. 5" X 8" OPENING, 12" MIN. LENGTH THROUGH WALL. PAINT TO MATCH COLOR OF WALL WHERE OCCURS.





1 MAY 37

RECORD SETS

4 MAY 87

NOTES

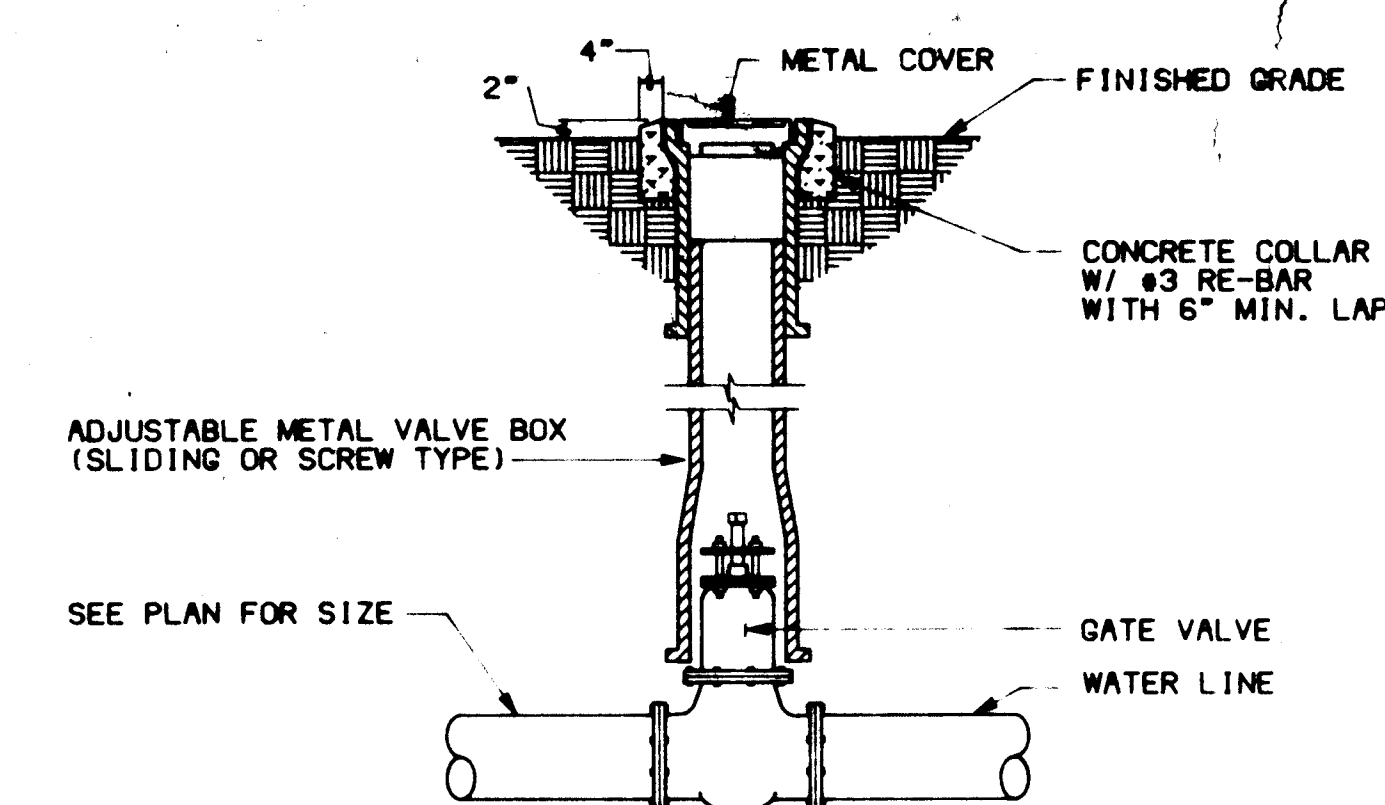
GENERAL NOTES

Water service line connection should be in accordance with City Standard Drawing W-11.

Water meter shall be located within right-of-way and the meter box shall be in accordance with City Standard Drawing W-17.

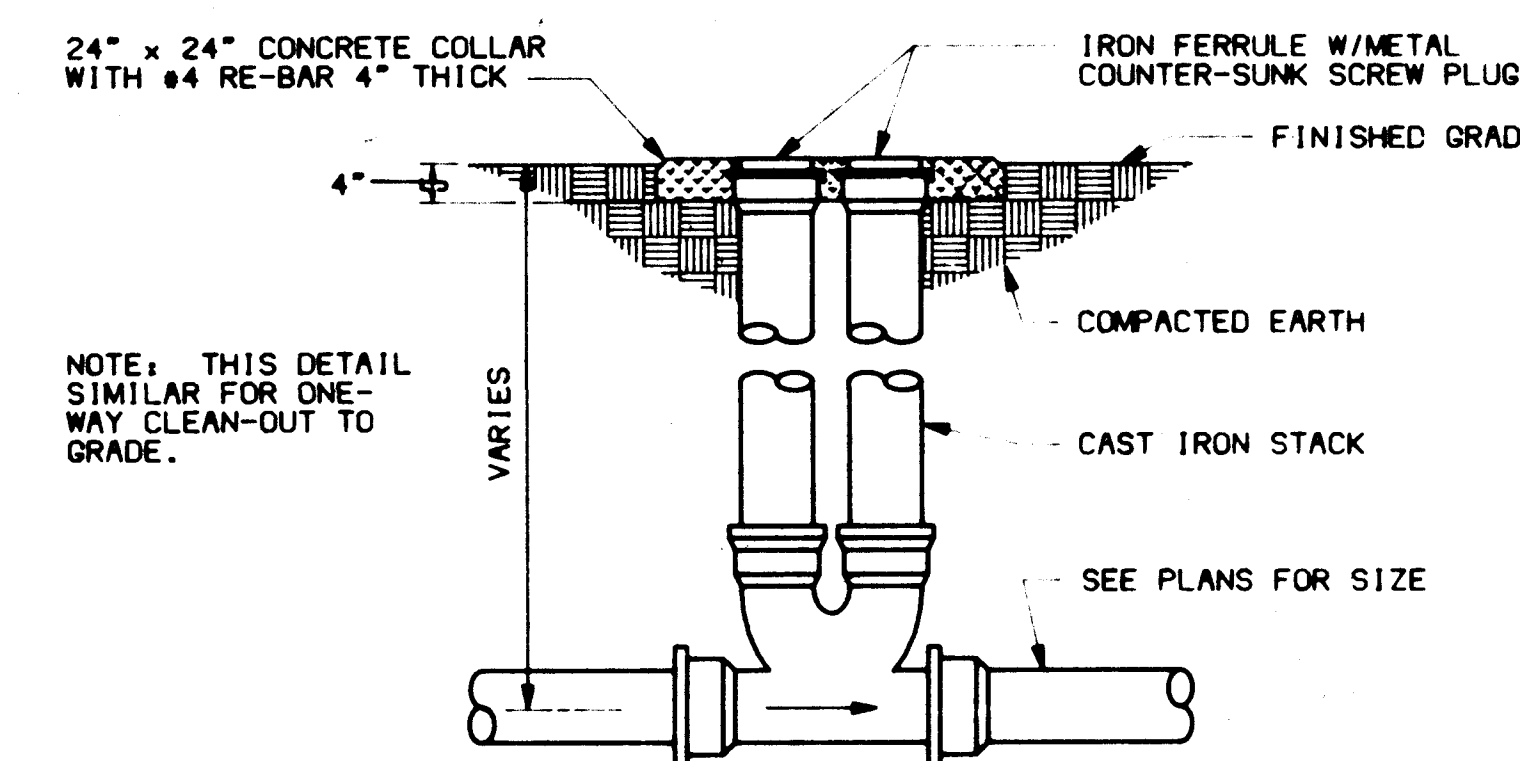
Sewer service lateral shall be per City Standard Drawing S-9.

All jobs on water and sanitary sewer installations shall be performed in accordance with the City of Albuquerque Interim Standard Specifications for Public Works Construction-1985.



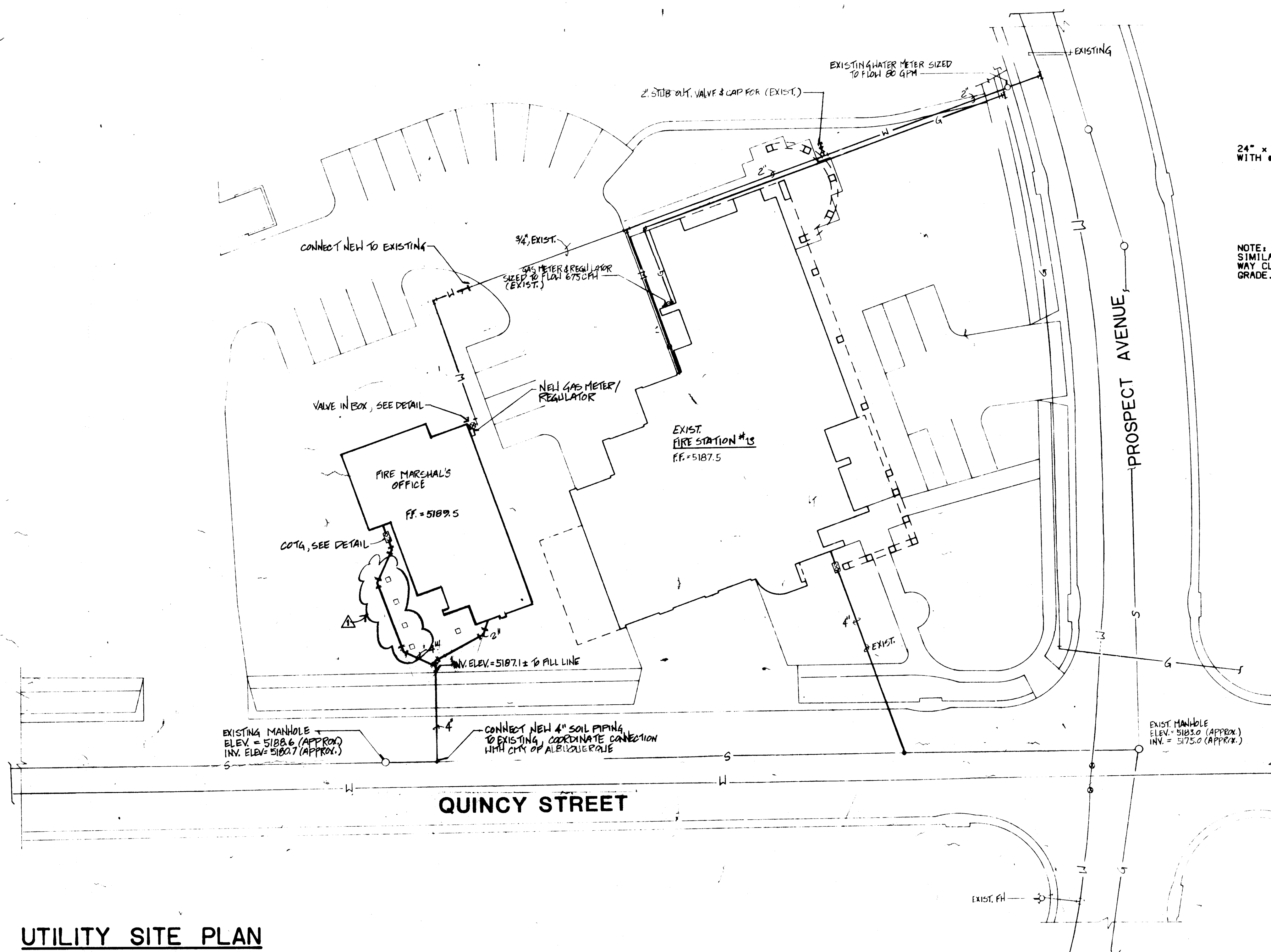
VALVE BOX DETAIL

SCALE: NONE



CLEAN OUT DETAIL

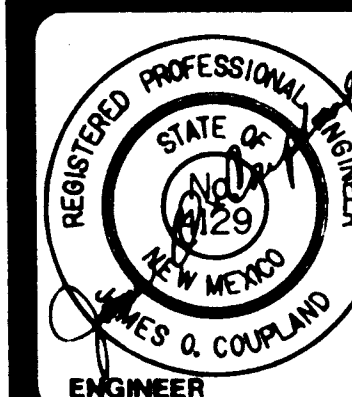
SCALE: NONE



UTILITY SITE PLAN

SCALE: 1" = 20'-0"

1 MAY 87-AG BILLS
 REVISIONS



ARCHITECT

CITY OF ALBUQUERQUE
FIRE MARSHAL'S
OFFICE
 2510 QUINCY N.E.
 ALBUQUERQUE,
 NEW MEXICO

PROJECT NO.
 86-23

DATE
 28 Aug 1986

UTILITY SITE PLAN

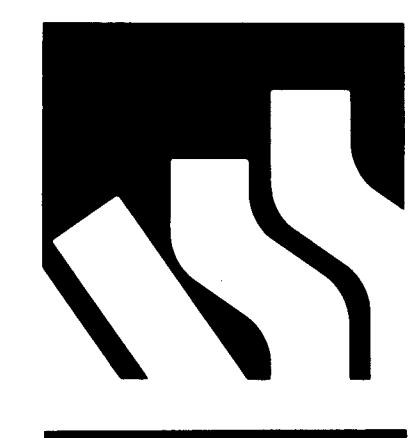
City Project # 3003

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RECORD SET: 4 MAY 87

26 3 0 0 3 1 0 8 7



Architect

Engineer



Project

**CITY OF ALBUQUERQUE
FIRE MARSHALL'S OFFICE
2510 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO**
City Project # 3003

Sheet Title

MECHANICAL PLAN

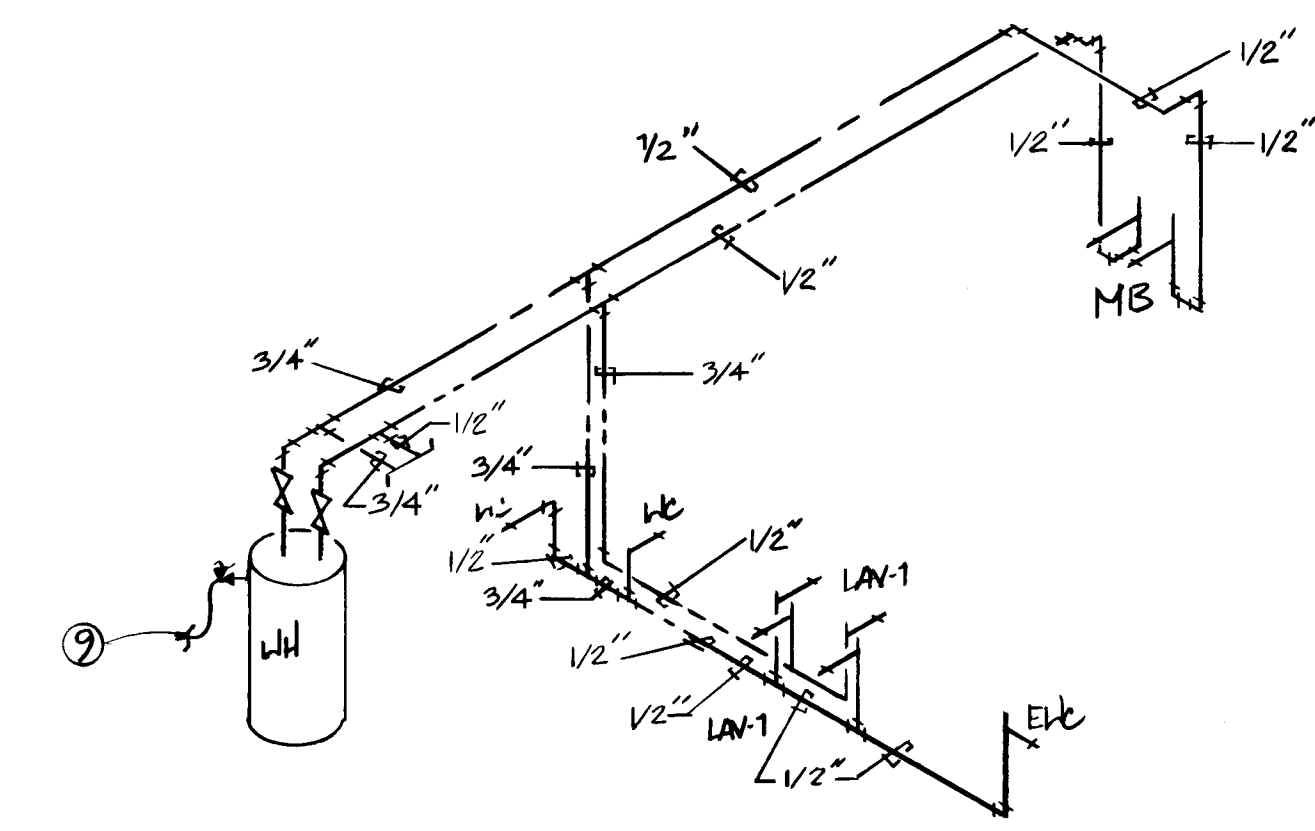
Revisions
1 MAY 87
AS BUILTS

Date **28 Aug 1986**

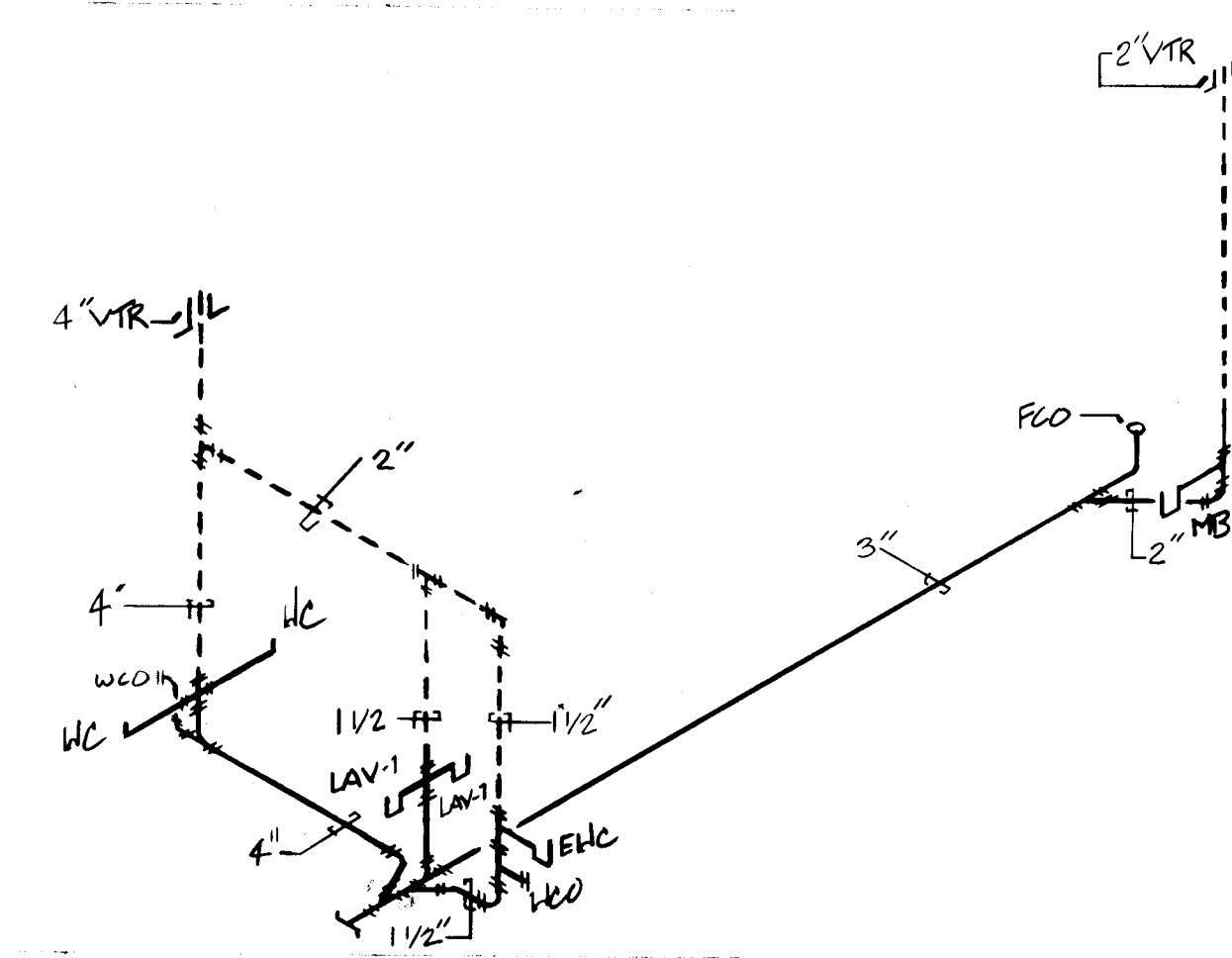
Project No. **86-23**

Sheet No.

M-2



HW AND CW PIPING



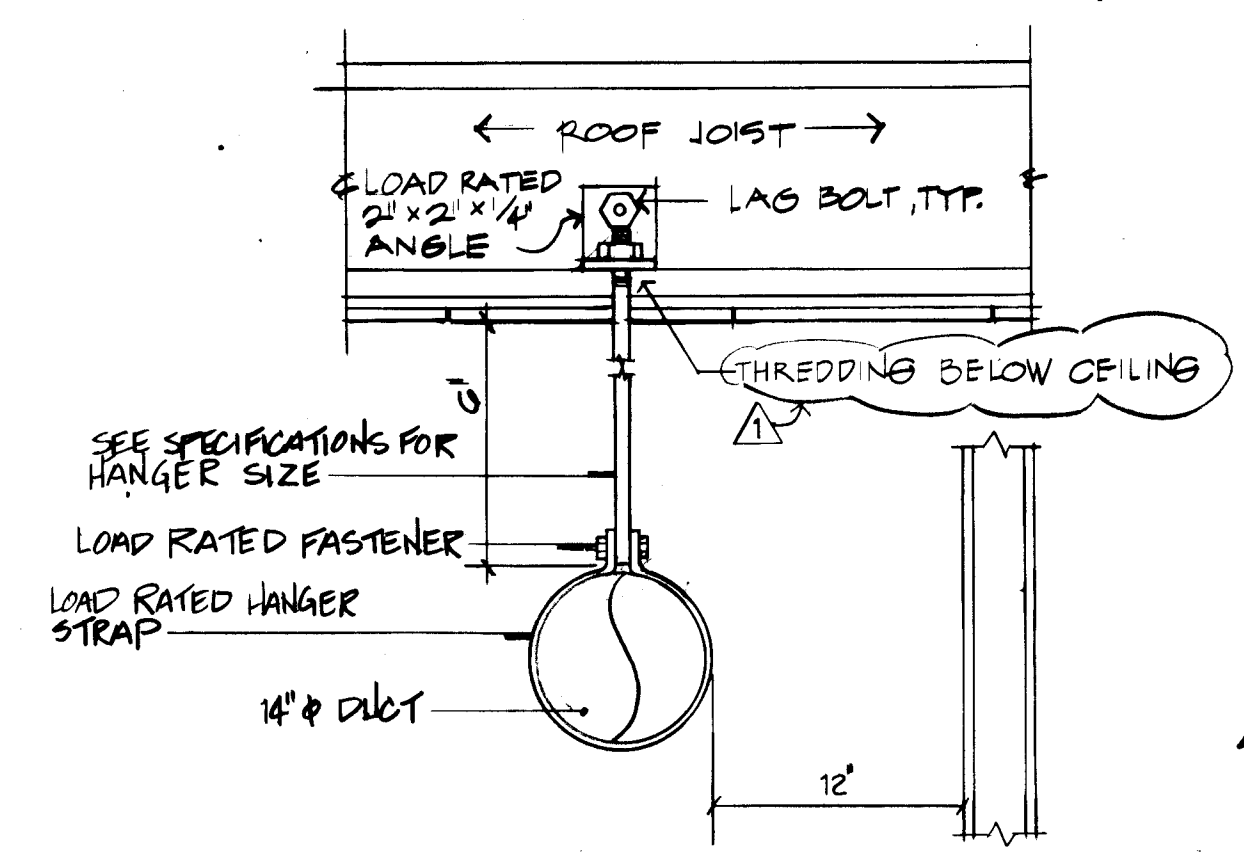
SOIL AND VENT PIPING

PLUMBING SCHEMATIC

SCALE: NONE

KEYED NOTES

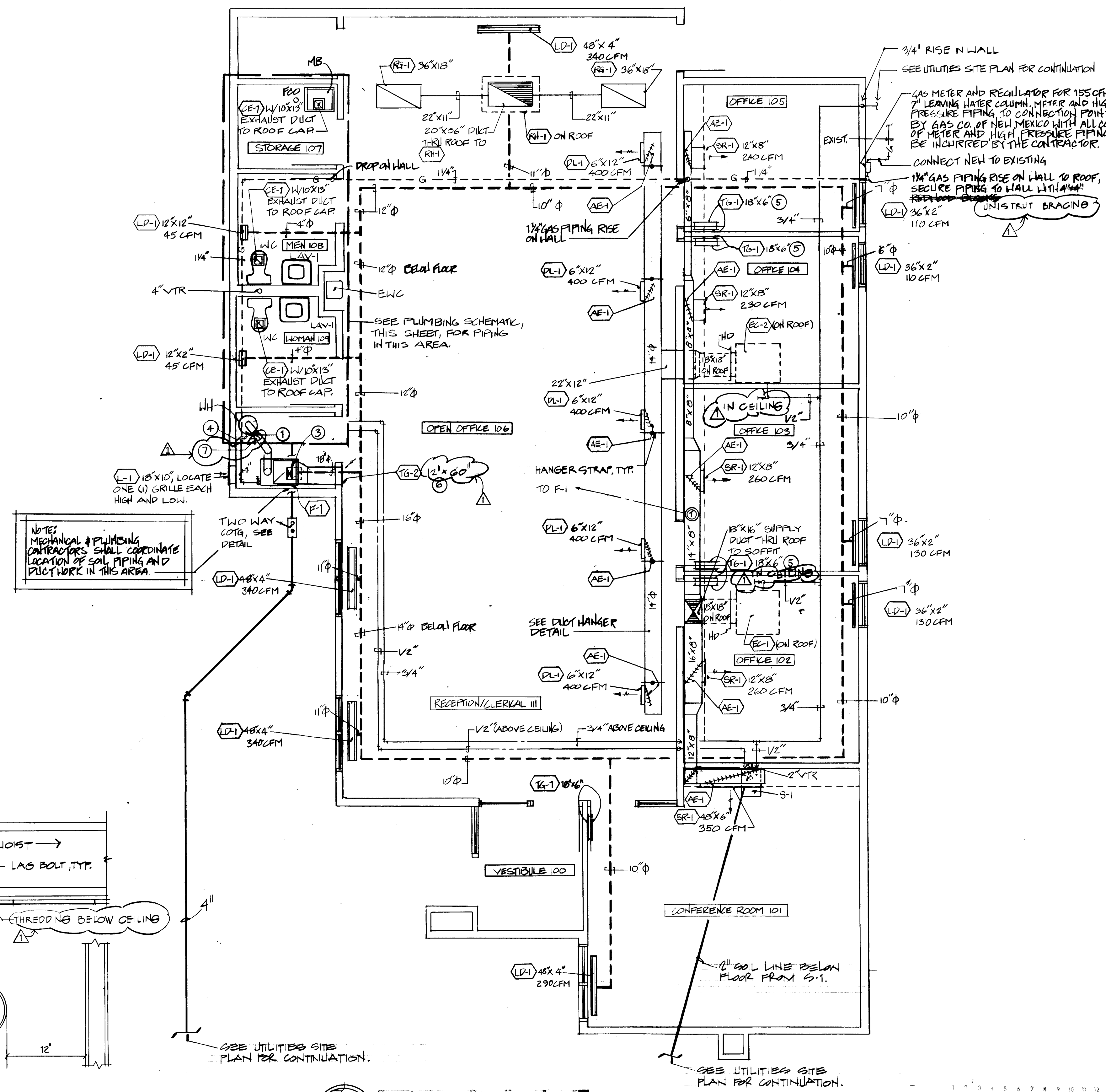
- 1 CONNECT 1/2" GAS PIPING TO WH WITH GAS COCK AND UNION.
- 2 CONNECT 1" GAS PIPING TO F-1 WITH A GAS COCK AND UNION.
- 3 8"x6" DUCT THRU ROOF TO GOOSENECK. INSTALL HAND DAMPER AND ADJUST TO FURNISH ROOM.
- 4 1" GAS PIPING DROP ON WALL FROM ROOF ABOVE. TERMINATE PIPING WITH DIRT LEG.
- 5 LOCATE TRANSFER GRILLE IN DOOR. BOTTOM OF GRILLE TO BE 12" ABOVE BOTTOM OF DOOR.
- 6 LOCATE TOP OF GRILLE 12" BELOW MECHANICAL ROOM CEILING.
- 7 6" DIAMETER FLUE THROUGH ROOF. SEE DETAIL. / COMBINED FURNACE & HW/H
- 8 3" DIAMETER FLUE THROUGH ROOF. SEE DETAIL. DELETED
- 9 EXTEND 3/4" DRAIN PIPING FROM ASME T&P TO OUTSIDE. TERMINATE 6" ABOVE FINISH GRADE WITH TURN DOWN



DUCT HANGER DETAIL

SCALE: NONE

NOTE:
ALL HANGER STRAPS TO BE ALIKE - SUPPORT
WHERE SHOWN ON PLAN



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

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RECORD SET: 4 MAY 87

EQUIPMENT SCHEDULE						
SYMBOL	DESCRIPTION					
(F-1)	FURNACE: DOWN DRAFT NATURAL GAS-FIRED FORCED AIR FURNACE COMPLETE WITH GAS-FIRED HEATING SECTION, BLOWER, MOTOR AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING SYSTEM. ACCESSORIES SHALL INCLUDE AUTOMATIC GAS CONTROL VALVE, MANUAL GAS SHUT-OFF VALVE, FAN CONTROL RELAY, AIR FILTER AND RACK, GAS PRESSURE REGULATOR, ADJUSTABLE FAN CONTROL, AUTOMATIC RESET LIMIT CONTROL, LOW VOLTAGE TRANSFORMER AND ROOM THERMOSTAT WITH FAN SWITCH. MODEL NUMBERS ARE RHEEM.					
SYMBOL	MODEL	BTUH (SEA LEVEL)	CFM	HP	SP	V/P
F-1	41A125A4	125,000	1000	1/2	0.5	115/1
(EC-1) AND (EC-2)	EVAPORATIVE COOLER: DRIP TYPE EVAPORATIVE COOLER COMPLETE WITH CABINET, FILTER PAD FRAMES, BLOWER WHEEL, BLOWER HOUSING, WATER DISTRIBUTION TROUGH, BLOWER MOTOR, FLOAT VALVE, RECIRCULATING WATER PUMP, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING SYSTEM. THE CABINET SHALL BE CONSTRUCTED OF HEAVY GAUGE HOT DIPPED GALVANIZED STEEL WITH ALL SUPPORTS OF WELDED CONSTRUCTION. THE ENTIRE WATER RESERVOIR SHALL BE COATED WITH A PROTECTIVE ASPHALT COATING. COOLER EXTERIOR SHALL BE FINISHED WITH A FACTORY APPLIED ENAMEL FINISH. BLOWER MOTOR SHALL BE SPECIFICALLY DESIGNED FOR USE IN EVAPORATIVE COOLER APPLICATION WITH BEARINGS PERMANENTLY LUBRICATED AND SHALL BE FURNISHED WITH AN ADJUSTABLE SHEAVE. RECIRCULATING WATER PUMP SHALL HAVE PERMANENTLY LUBRICATED BRONZE BEARINGS, WATERPROOF INSULATION AND WATER SHIELD CAP. FURNISH COMPLETE WITH SHEETMETAL WINTERIZING PANELS WITH NEOPRENE GASKET AND CLIPS FOR INSTALLATION. PAINT CABINET PER SPECS. COLOR BY ARCHITECT. MODEL NUMBERS ARE ARVIN.					
SYMBOL	MODEL	CFM	S.P.	H.P.	V/P	SPEED
EC-1	ES430B	1690	0.5	1/3	115/1	2
EC-2	ES430B	2000	0.5	1/2	115/1	2
(CE-1)	CEILING EXHAUSTER: CEILING MOUNTED EXHAUST FAN COMPLETE WITH FULLY INSULATED HOUSING, CENTRIFUGAL BLOWER WITH DIRECT DRIVE MOTOR, HORIZONTAL OR VERTICAL OUTLET, BACKDRAFT DAMPER, AND GRILLE. MODEL NUMBERS ARE PENN "ZEPHER". FURNISH WITH ROOF CAP.					
SYMBOL	MODEL	CFM	SP	WATTS	RPM	V/P DISCHARGE
CE-1	Z-6	95	.125"	50	1050	115/1 VERTICAL
(RH-1)	RELIEF HOOD: RECTANGULAR TYPE, ALL ALUMINUM CONSTRUCTION, LOW SILHOUETTE WITH INTEGRAL CURB CAP COMPLETE WITH BIRD AND INSECT SCREEN, FACTORY FURNISHED PREFAB ROOF CURB, INSULATION ON COVER AND MOTORIZED BACK DRAFT DAMPER. UNITS ARE PENN, "AIRETTE". NECK SIZE AS SHOWN ON PLANS.					
(SR-1)	SUPPLY REGISTER: KRUEGER SERIES 880H DOUBLE DEFLECTION GRILLE WITH INDIVIDUALLY ADJUSTABLE VANES, FRONT AND REAR, SET ON 3/4" CENTERS. UNIT SHALL BE ALL STEEL CONSTRUCTION WITH FACTORY APPLIED FINISH AND OPPOSED BLADE BALANCING DAMPER (OBD) BEHIND. SEE PLANS FOR SIZES.					
(DL-1)	DRUM LOUVER: KRUEGER SERIES DPL CONSTRUCTED OF EXTRUDED ALUMINUM WITH SATIN ANODIZED FINISH, SEE PLANS FOR SIZE.					
(LD-1)	LINEAR DIFFUSER: KRUEGER DESIGN-LINE SERIES 1600 LINEAR DIFFUSER FOR FLOOR INSTALLATION, CONSTRUCTED OF EXTRUDED ALUMINUM. FURNISH WITH TYPE B FASTENING, 3/16" BY 3/4" GRILLE BARS SPACED ON 1/2" CENTERS WITH 15° DEGREE DEFLECTION. INCLUDE OPPOSED BLADE DAMPER (OBD). STRAIGHTENING GRID AND BLANK OFF STRIPS WHERE SHOWN. FINISH SHALL BE ALUMINUM 110, DIFFUSER REINFORCED. SEE PLANS FOR SIZE.					
(RG-1)	RETURN GRILLE: KRUEGER SERIES 580H RETURN AIR GRILLE. STATIONARY DEFLECTING VANES SPACED ON 3/4" CENTERS ARE SET AT A 35° DEGREE ANGLE TO RESTRICT VISION. UNIT SHALL BE ALL STEEL CONSTRUCTION WITH FACTORY APPLIED FINISH. SEE PLANS FOR SIZE.					
(TG-1)	TRANSFER GRILLE: KRUEGER SERIES 580H RETURN AIR GRILLE. STATIONARY DEFLECTING VANES SPACED ON 3/4" CENTERS ARE SET AT A 35° DEGREE ANGLE TO RESTRICT VISION. UNIT SHALL BE ALL STEEL CONSTRUCTION WITH FACTORY APPLIED FINISH. SEE PLANS FOR SIZE.					
(TG-2)	RETURN GRILLE: KRUEGER SERIES 580V RETURN AIR GRILLE. STATIONARY DEFLECTING VANES SPACED ON 3/4" CENTERS ARE SET AT A 35° DEGREE ANGLE TO RESTRICT VISION. UNIT SHALL BE ALL STEEL CONSTRUCTION WITH FACTORY APPLIED FINISH. SEE PLANS FOR SIZE.					
(L-1)	LOUVER: 16 GA. GALVANIZED STEEL CONSTRUCTION, COMPLETE WITH 30° DEGREE STATIONARY BLADES, BIRDSCREEN, ANGLE FRAME, SUPPORT BARS SPACED AT 4 DEGREE INTERVALS, FACTORY APPLIED BAKED ENAMEL FINISH WITH COLOR TO BE SPECIFIED BY ARCHITECT. KRUEGER SERIES XY-55. SEE PLANS FOR SIZE.					
(HD)	SHUT OFF DAMPER: DAMPER SHALL BE LOCKING QUADRANT, ALUMINUM CONSTRUCTION, WITH FLEXIBLE EDGE SEALS OF EXTRUDED ETHYLENE RUBBER. DAMPER LEAKAGE SHALL BE LESS THAN 16 CFM PER SQUARE FOOT AT 1" PRESSURE.					
(AE-1)	AIR EXTRACTOR: KRUEGER SERIES EX-88 AIR EXTRACTOR. CURVED BLADES SPACED ON 2" CENTERS. ALL STEEL CONSTRUCTION. COORDINATE SIZE AND LOCATION WITH TEST AND BALANCE CONTRACTOR.					

FIXTURE SCHEDULE	
SYMBOL	DESCRIPTION
WC	WATER CLOSET: AMERICAN STANDARD "CADET" 2108.062, WATER SAVER, SIPHON JET ACTION, VITREOUS CHINA, ELONGATED RIM, (18" HIGH), BOLT CAPS, VITREOUS CHINA TANK AND COVER WITH FLUSH VALVE, FLOAT VALVE AND TRIP LEVER, ANGLE SUPPLY WITH WHEEL HANDLE STOP, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT, EXTENDED BACK AND CHECK HINGE, LESS COVER. TRAP -- VENT 2" CW 1/2" HW --
LAV-1	LAVATORY: AMERICAN STANDARD "LUCERNE" 0355.012 VITREOUS CHINA LAVATORY WITH BACK, SPLASH LIP, FRONT OVERFLOW, DRILLED FOR WADE W-520-08 FLOOR SUPPORTED CARRIER WITH CONCEALED ARM, 2109.703 HERITAGE SUPPLY FITTING WITH AERATOR, INDEXED HANDLES AND POP-UP, ANGLE SUPPLIES WITH WHEEL HANDLE STOP, AND CAST BRASS ADJUSTABLE "P" TRAP WITH WASTE TO WALL, LAVATORY SIZE 20" X 18". TRAP 1 1/4" VENT 1 1/2" CW 1/2" HW 1/2"
MB	MOP BASIN: FIAT MODEL MSB2424, SIZE 24" X 24" X 10" DEEP, CONSTRUCTED OF MOLDED STONE, UNIT SHALL HAVE 10" HIGH WALLS, NOT LESS THAN 1" WIDE SHOULDERS, COMPLETE WITH NO. 874 DRAIN BODY WITH LOCKNUT, NEOPRENE GASKETS AND COMBINATION DOME STRAINER-LINT BASKET CONSTRUCTED OF 302 16-GAUGE STAINLESS STEEL, #830-AA SUPPLY FITTING WITH VACUUM BREAKER, INTEGRAL STOP, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT AND #899-CC MOP HANGER. TRAP 3" VENT 2" CW 1/2" HW 1/2"
/ EWC	ELECTRIC WATER COOLER: SUNROC HCWC-8 WALL HUNG UNIT, CHROME PLATED BUBBLER, SELF CLOSING PUSH BAR, AUTOMATIC STREAM REGULATOR, CAPABLE OF DELIVERING 7.5 GPM OF 50° F WATER AT A ROOM TEMPERATURE OF 90° F WITH 1/4 H.P. COMPRESSOR, ALL ACCESSORIES FOR A COMPLETE OPERATING UNIT, ANGLE SUPPLY WITH LOOSE KEY STOP, ADJUSTABLE "P" TRAP WITH WASTE TO WALL. RIM HEIGHT IS 35" ABOVE FINISH FLOOR. TRAP 1 1/4" VENT 1 1/2" CW 1/2" HW --
WH	WATER HEATER: STATE MODEL CV-120-NRT2H GLASS-LINED TANK, AUTOMATIC SAFETY SHUT OFF, MAGNESIUM ANODE ROD, DRAIN VALVE, BAKED ENAMEL FINISH, A.S.A. CERTIFIED, GLASS FIBER INSULATION BETWEEN TANK AND SHELL, UNIT SHALL BE 19 GALLON STORAGE, WITH 24 GPH RECOVERY AT 100° DEGREE RISE WITH 28,000 BTUH SEA LEVEL INPUT, COMPLETE WITH ASME TEMPERATURE AND PRESSURE RELIEF VALVE.
S-1	SINK: ELKAY "LUSTERTONE" LR-1720 SINGLE COMPARTMENT SINK, 18 GAUGE TYPE 302 STAINLESS STEEL, SELF RIMMING, UNDERSIDE UNDERCOATED, SINGLE FAUCET HOLE, LK-2223 DUAL HANDLE FAUCET WITH GOOSENECK SWING SPOUT AND AERATOR, LK-35 DUD STRAINER WITH 1 1/2" TAILPIECE, ANGLE SUPPLIES WITH WHEEL HANDLE STOPS, ADJUSTABLE "P" TRAP WITH WASTE TO WALL, SINK SIZE 17" X 20". TRAP 1 1/2" VENT 1 1/2" CW 1/2" HW 1/2"
FCO	FLOOR CLEANOUT: WADE W-6000 SERIES, CAST IRON, WITH ROUND NICKEL BRONZE SCORIATED TOP AND VANDALPROOF SCREWS.
WCO	WALL CLEANOUT: WADE W-8460-R C.O. TEE WITH BRASS PLUG AND ROUND STAINLESS STEEL ACCESS COVER WITH VANDALPROOF SCREW.

SUPPLY REGISTER SEE PLANS FOR SIZE AND CAPACITY

GALVANIZED STEEL SPIRAL SUPPLY DUCT CONNECTED TO BOOT AT MAX. 2'-0" O.C. SEE PLANS FOR SIZE

FINISHED FLOOR

FILL EXCAVATION WITH CONCRETE AFTER DUCT INSTALLATION IN MAX. 12" LAYERS TO AVOID DUCT COLLAPSE.

1" URETHANE FOAM

GALVANIZED STEEL SPIRAL DUCTWORK

2" CONCRETE

1" STYROFOAM SHEET

SHEET METAL BOOT FULL LENGTH WITH 1/2" ACOUSTIC LINER.

GRADE

BUILDING FOUNDATION

UNDERFLOOR DUCT DETAIL

SCALE: NONE

NOTE: WEIGHT OF STACK TO BE SUPPORTED INDEPENDENTLY OF FLASHING AND APPLIANCE

MIN. 2'-0" ABOVE ROOF

SOLDER

COUNTER FLASHING

SUPPORT

CEILING

ANTI-BACKDRAFT TYPE FLUE CAP.

TYPE "B" DOUBLE METAL FLUE THRU ROOF. SEE PLANS FOR SIZE.

SEE ARCH. DWGS. FOR ROOF CONSTRUCTION

ESCUTCHEON PLATE

FLUE THRU ROOF DETAIL

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
----	COLD WATER LINE
-----	HOT WATER LINE
-----	GAS LINE
-----	UNDERFLOOR DUCT

HOLMES
SABATINI
SMITH
EEDS

ARCHITECTURE PLANNING
PROGRAMMING RESEARCH
GRAPHIC DESIGN

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CITY OF ALBUQUERQUE
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ALBUQUERQUE, NEW MEXICO
City Project # 3003

Sheet Title
SCHEDULES
DETAILS

Revisions

Date
28 Aug 1986

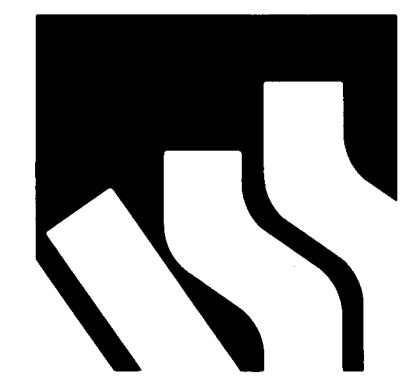
Project No.
86-23

Sheet No.
M-3

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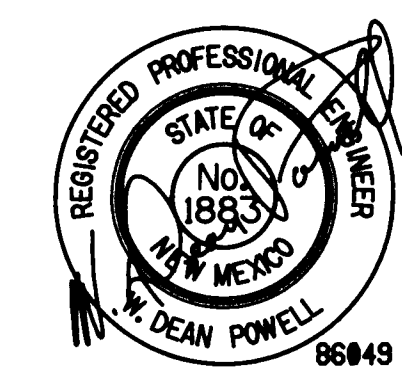
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RECORD SET: 4 MAY 87



Architect

Engineer



Project

CITY OF ALBUQUERQUE
FIRE MARSHALL'S OFFICE
2510 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO
City Project # 3803

Sheet Title
**LIGHTING PLAN
POWER AND
SPECIAL SYSTEMS
PLAN**

Revisions
MAY 1, 1981
AS BUILT

Date
28 Aug 1986

Project No.
86-23

Sheet No.

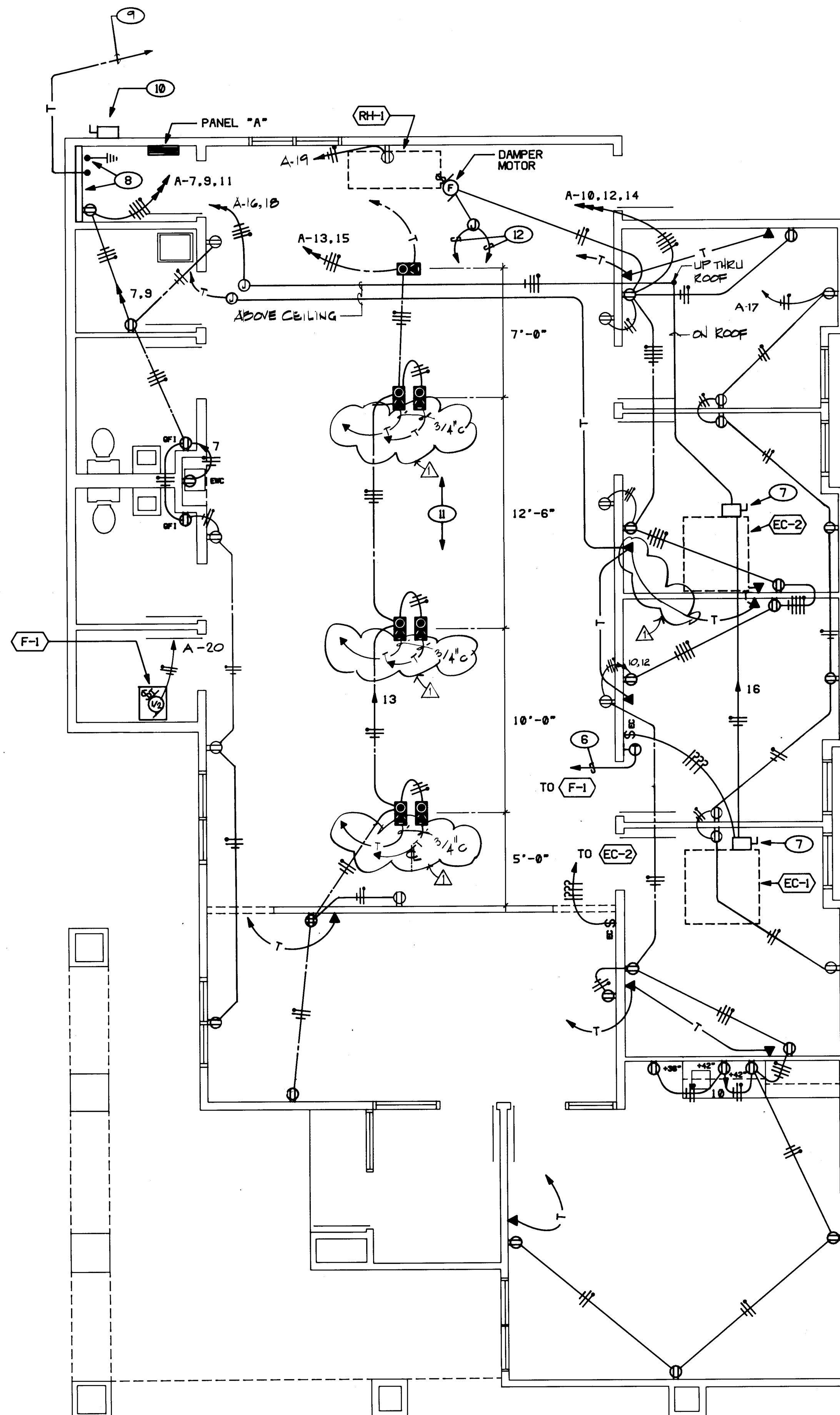
E-1

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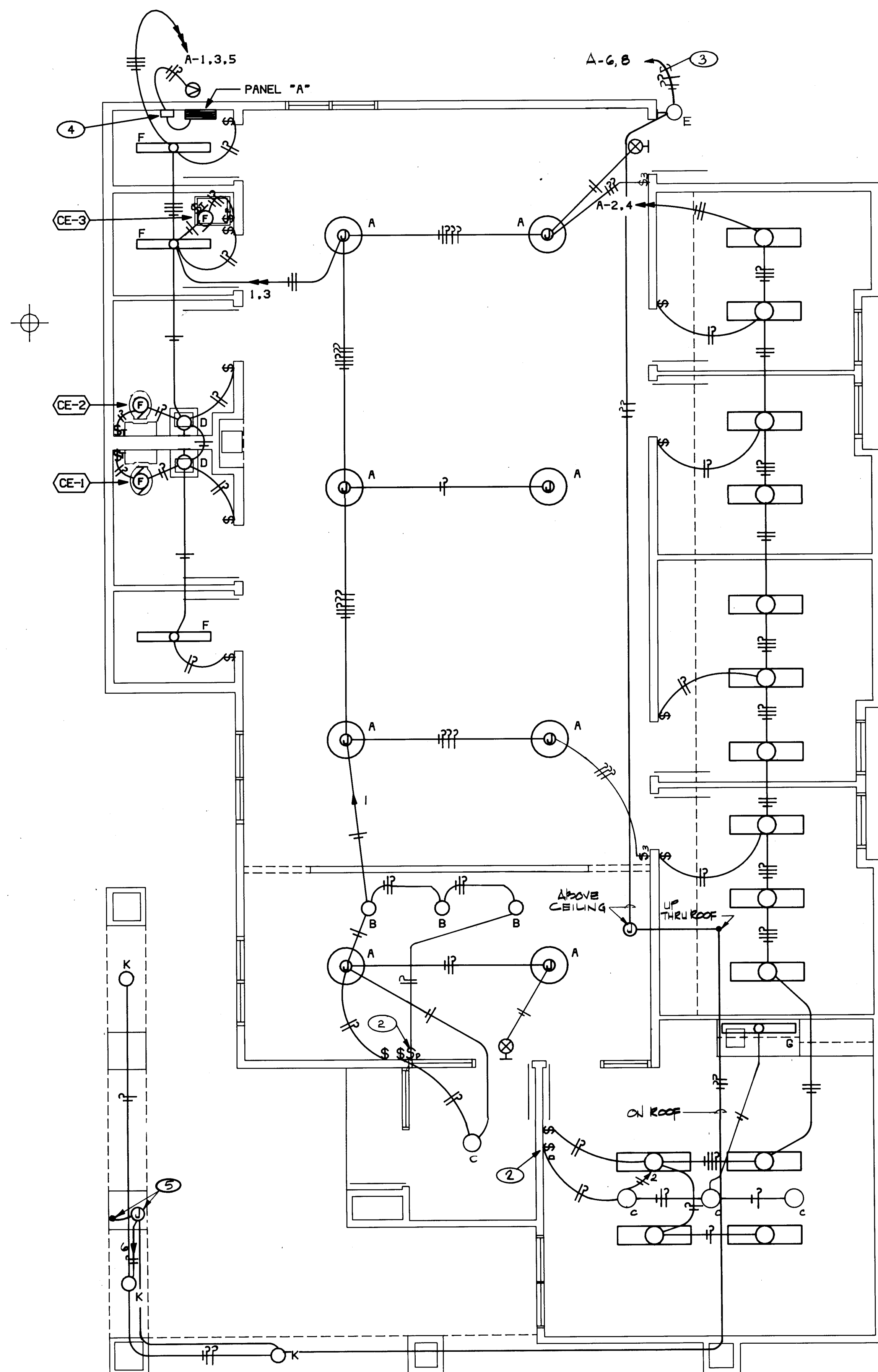
KEYED NOTES

- ALL 1' X 4' FLUORESCENT FIXTURES SHALL BE TYPE "H" UNLESS INDICATED OTHERWISE.
- 1000W DIMMER SWITCH. LUTRON NOVA SERIES #N-1000. DO NOT BREAK OFF FINS.
- EXTEND TO CIRCUIT INDICATED THROUGH TIMECLOCK CONTROL. FUNCTION SHALL BE PHOTOCELL "ON", TIMECLOCK "OFF".
- TIMECLOCK. TORK #T-920-LE WITH 120V, 2 POLE, N.O. CONTACTS WITH 120V COIL LIGHTING CONTACTOR.
- JUNCTION BOX FOR CONNECTION OF NEON SIGN. SIGN BY OTHERS. CONNECT AS REQUIRED. SEE ARCHITECTURAL PLANS FOR DETAILS.
- WIRING AS REQUIRED.
- 30A/3P + SN, 250V, FUSIBLE DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. FUSE TWO POLES FOR 125% F.L.A. OF HI-LO SPEED OF FAN AND ONE POLE FOR 125% F.L.A. OF PUMP.
- 4' X 8' X 3/4" PLYWOOD TELEPHONE BACKBOARD WITH #6 GROUND WIRE.
- 2" CONDUIT TO EXISTING TELEPHONE CONDUIT. SEE SITE PLAN.
- MAIN SERVICE DISCONNECT SWITCH.
- VERIFY EXACT LOCATION OF FLOOR OUTLETS WITH ARCHITECT PRIOR TO ROUGH-IN.
- EXTEND WIRING AS REQUIRED TO INTERLOCK RELIEF HOOD WITH EC-1 AND EC-2. WHEN ONE OR BOTH EVAPORATIVE COOLERS ARE ACTIVATED, RELIEF HOOD DAMPER SHALL OPEN.



POWER AND SPECIAL SYSTEMS PLAN

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



LIGHTING PLAN

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



0.70'
80'.0

PANEL SCHEDULES					FIXTURE SCHEDULE				SYMBOL LEGEND	
DESCRIPTION	CCT. NO.	C/B	WIRE	LOAD	TYPE	DESCRIPTION	LAMPS	MOUNTING	SYMBOL	DESCRIPTION
PANEL "A", 120/208V, 3 PHASE, 4 WIRE, 100A MLO, SURFACE MOUNTED, BOTTOM FEED, GROUND BUS, 30 POLES.	1 THRU 24	20A/1P	#12	LTG., RECEPT., SPARES	A	GUTH #SH3-250-1/CS-BE	1/250W/MH	STEM - 9" TO BOTTOM OF FIXTURE	Ⓐ	CEILING FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
	25 THRU 30	1 POLE	---	SPACES	B	PRESCOLITE #1285-928	1/150W/R40 FL.	RECESSED	Ⓑ	BRACKET FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
					C	PRESCOLITE #1220-972	1/150W/R40 FL.	RECESSED	Ⓒ	WALL BRACKET OR RECESSED EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED. TYPE AS INDICATED IN FIXTURE SCHEDULE.
					D	PRESCOLITE #WB-19	2/60W/1F	BRACKET OVER MIRROR	Ⓓ	FLUORESCENT FIXTURE AND OUTLET. TYPE AS INDICATED IN FIXTURE SCHEDULE.
					E	HUBBELL #NRG-121	1/50W/HPS	BRACKET UP 7'-6"	Ⓔ	EVAPORATIVE COOLER SWITCHES, ONE "HIGH-OFF-LOW" FOR FAN AND ONE "ON-OFF" FOR PUMP. FLUSH MOUNTED UP 48" UNLESS OTHERWISE INDICATED.
					F	UTILITY STRIP WITH WIREGUARD	2/F40/CW	SURFACE	Ⓕ	SINGLE POLE WALL SWITCH. FLUSH MOUNTED UP 48" UNLESS OTHERWISE INDICATED.
					G	ALKCO #1146-RSW	1/F40/CW	UNDER UPPER CABINET	Ⓖ	PILOT SWITCH. FLUSH MOUNTED UP 48" UNLESS OTHERWISE INDICATED.
					H	MILLER #TF2191A4N	2/F40/CW	RECESSED	Ⓗ	THERMAL SWITCH, WEATHERPROOF IF INSTALLED OUTSIDE. FLUSH MOUNTED UP 48" UNLESS OTHERWISE INDICATED.
					K	PRESCOLITE #90S6-70HPS-M71	1/70W/HPS	RECESSED	Ⓖ	DIMMER SWITCH. FLUSH MOUNTED UP 48" UNLESS OTHERWISE INDICATED.
									Ⓢ	JUNCTION BOX FLUSH IN WALL, HEIGHT AS INDICATED FOR CONNECTION TO EQUIPMENT.
									Ⓢ	DUPLEX CONVENIENCE OUTLET, UP 15" OR AS INDICATED.
				⊗	DEVINE #DVG80-SR	FURNISH W/ FIXTURE	BRACKET UP 7'-6"	Ⓢ	DUPLEX GROUNDING TYPE CONVENIENCE OUTLET INSTALLED WITHIN CASE OF ELECTRIC WATER COOLER.	
								Ⓢ	GROUND FAULT INTERRUPTING OUTLET, MOUNT 15" UP OR AS INDICATED.	
								Ⓢ	FOUR-PLEX CONVENIENCE OUTLET, UP 15" OR AS INDICATED.	
								Ⓢ	FLUSH FLOOR 2-GANG OUTLET BOX WITH DEVICES AND COVERS AS FOLLOWS: HUBBELL #8-4233 BOX WITH #S-3825 DUPLEX FLAP AND # 5362 RECEPTACLE (Ⓢ) AND #S-2625 COMBINATION 2 1/8" X 1" COVER (Ⓢ) AS INDICATED.	
								Ⓢ	THERMOSTAT UP 48" UNLESS OTHERWISE INDICATED.	
								Ⓢ	PHOTOCELL LIGHTING CONTROLLER, PRECISION #T-15 MOUNTED ON 1/2" RIGID CONDUIT STUBBED UP 12" ABOVE ROOF, WITH WINDOW FACING NORTH.	
								Ⓢ	TELEPHONE OUTLET UP 15" OR AS INDICATED. SEE DETAIL & SPECIFICATIONS FOR CONDUIT REQUIREMENTS.	
								Ⓢ	TRANSFORMER AS NOTED.	
								Ⓢ	SPECIAL CABINET, TELEPHONE TYPE OR AS NOTED.	
								Ⓢ	LIGHTING BRANCH CIRCUIT PANEL. SEE PANEL SCHEDULE FOR CHARACTERISTICS.	
								Ⓢ	POWER DISTRIBUTION PANEL. SEE PANEL SCHEDULE FOR CHARACTERISTICS.	
								Ⓢ	MOTOR CONNECTION WITH HP INDICATED.	
								Ⓢ	MOTOR CONNECTION FOR FRACTIONAL HP MOTOR (LESS THAN 1/3 HP). PROVIDE THERMAL O.L. SWITCH ADJACENT TO ALL MOTORS UNLESS SWITCH IS SHOWN ELSEWHERE ON PLAN.	
								Ⓢ	SAFETY SWITCH, TO HAVE POLES AND RATING REQUIRED TO BE NEMA 3R IF INSTALLED OUTDOORS. (IF FUSED, PROVIDE FUSES AT 125% F.L.A. OF UNIT UNLESS OTHERWISE INDICATED.)	
								Ⓢ	TELEPHONE CONDUIT, MINIMUM 3/4" WITH PULL WIRE.	
								Ⓢ	1" CONDUIT WITH PULL WIRE TO TELEPHONE TERMINAL CABINET.	
								Ⓢ	BRANCH CIRCUIT IN WALLS OR CEILING WITH CONDUCTORS INDICATED.	
								Ⓢ	BRANCH CIRCUIT IN WALLS OR UNDER FLOOR WITH CONDUCTORS INDICATED.	
								Ⓢ	HOME RUN TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED.	
								Ⓢ	TIC MARKS REPRESENT NEUTRAL, HOT, SWITCH LEG, AND GROUND CONDUCTORS RESPECTIVELY.	

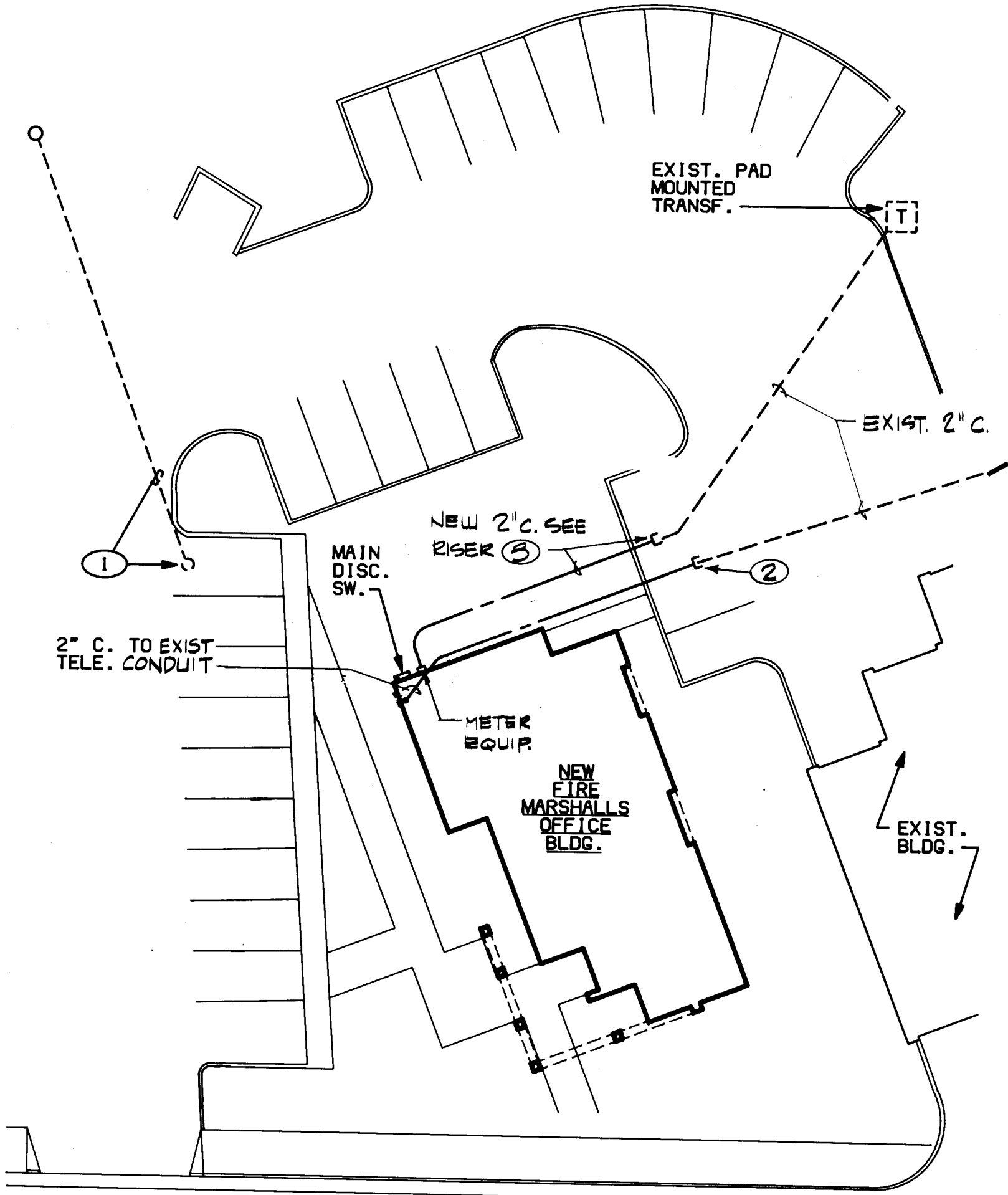
EXIST. PAD MOUNTED TRANSF.

EXIST. 2" C.

NEW 2" C. SEE RISER (2)

KEYED NOTES

- COORDINATE WITH PNM FOR REMOVAL OF WOOD POLE AND LIGHT FIXTURE ALONG WITH AERIAL FEEDER.
- VERIFY EXACT LOCATION OF TELEPHONE CONDUIT.
- EXTEND NEW 2" CONDUIT FROM THIS POINT TO NEW BUILDING AS SHOWN. PULL IN 4 #1/0 THW CONDUCTORS FROM EXISTING PAD MOUNT TRANSFORMER TO SERVE NEW BUILDING.
- LEAVE EXCESS CONDUCTORS AT TRANSFORMER PER PNM REQUIREMENTS FOR CONNECTION BY PNM.
- METERING ENCLOSURE PER PNM DRAWING #DS-19-11.4.
- 100A/3P + SN, 250V, FUSIBLE DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. FUSE WITH 100 AMP BUSS LIMITRON FUSES.
- 4 #1/0 THW AND 1 #6 GROUND IN 2" CONDUIT.
- 1 #6 BSD CU SERVICE GROUND IN 1/2" CONDUIT.



SITE UTILITIES PLAN
SCALE: 1" = 20'

- KEYED NOTES**
- 1. COORDINATE WITH PNM FOR REMOVAL OF WOOD POLE AND LIGHT FIXTURE ALONG WITH AERIAL FEEDER.
 - 2. VERIFY EXACT LOCATION OF TELEPHONE CONDUIT.
 - 3. EXTEND NEW 2" CONDUIT FROM THIS POINT TO NEW BUILDING AS SHOWN. PULL IN 4 #1/0 THW CONDUCTORS FROM EXISTING PAD MOUNT TRANSFORMER TO SERVE NEW BUILDING.
 - 4. LEAVE EXCESS CONDUCTORS AT TRANSFORMER PER PNM REQUIREMENTS FOR CONNECTION BY PNM.
 - 5. METERING ENCLOSURE PER PNM DRAWING #DS-19-11.4.
 - 6. 100A/3P + SN, 250V, FUSIBLE DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. FUSE WITH 100 AMP BUSS LIMITRON FUSES.
 - 7. 4 #1/0 THW AND 1 #6 GROUND IN 2" CONDUIT.
 - 8. 1 #6 BSD CU SERVICE GROUND IN 1/2" CONDUIT.

LOAD SUMMARY - 120/208V, 3 PH, 4W

	CONNECTED	ESTIMATED DEMAND
PANEL "A"	19 KW	17 KW

SHORT CIRCUIT AVAILABILITY

BASED ON MAXIMUM BUILDING TRANSFORMER S.C. LET THROUGH WITH UNLIMITED PRIMARY S.C. CURRENT.

ASSUME BUILDING TRANSFORMER = 150 KVA
TRANSFORMER IMPEDANCE (ZZ) = 2

S.C.A. = 20,833A AT LOAD SIDE OF TRANSFORMER.
S.C.A. = 4,925A AT LINE SIDE OF MAIN SWITCH.
S.C.A. = 1,800A AT LOAD SIDE OF MAIN SWITCH.

PROVIDE PANEL "A" WITH MINIMUM 10,000 A.I.C. AND BRACING.

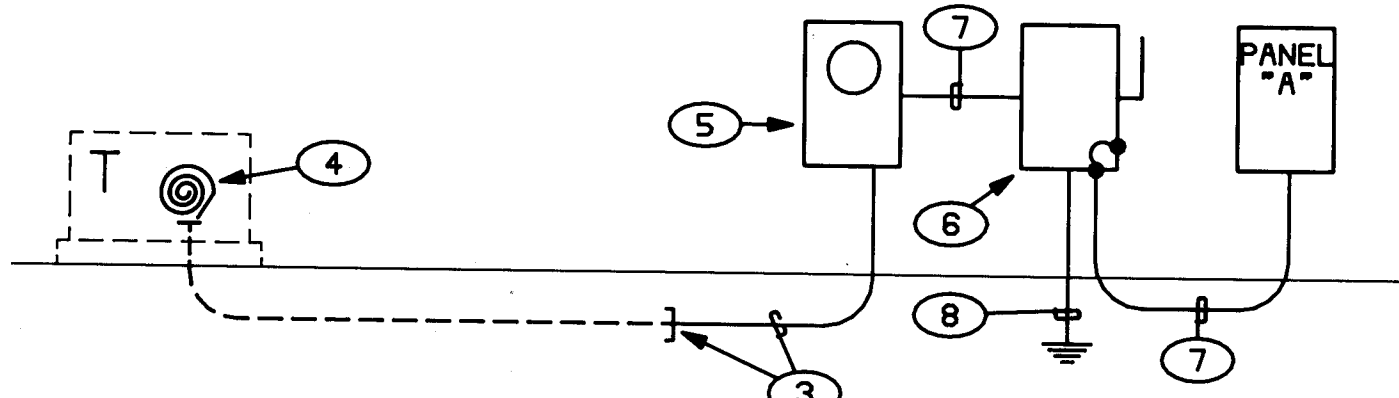
ENERGY CONSERVATION

THE PLANS AND SPECIFICATIONS ARE DESIGNED IN CONFORMANCE WITH THE STATE OF NEW MEXICO ELECTRIC CODE, ARTICLE 290 ENERGY CONSERVATION.

LIGHTING BUDGET
6,325 WATTS / 2,540 SQ. FT. = 2.4 W/SQ. FT.

W. Dean Powell

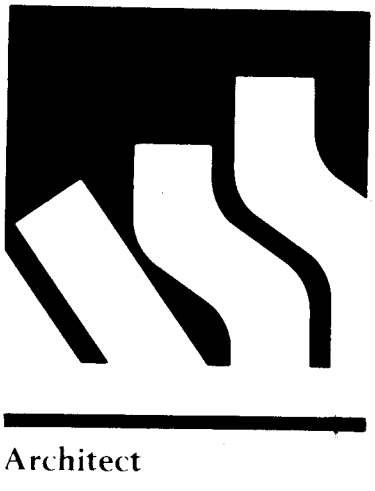
W. DEAN POWELL
P.E. #1883



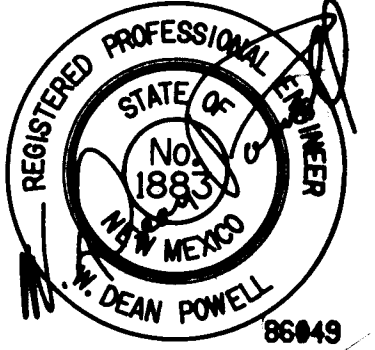
POWER RISER DIAGRAM
SCALE: NONE

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DRAWING.

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Project

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FIRE MARSHALL'S OFFICE
2510 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO**
City Project # 307

Sheet Title
**SCHEDULES,
LEGEND
ELECTRICAL
UTILITY PLAN**
Revisions

Date **28 Aug 1986**
Project No. **86-23**

Sheet No.

E-2