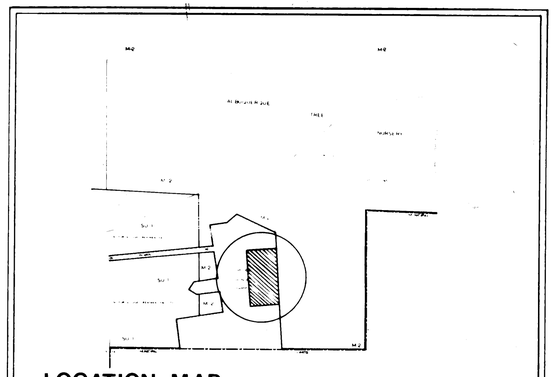
MONTESSA PARK RENOVATION
ENVIRONMENTAL HEALTH DEPARTMENT

CITY OF ALBUQUERQUE

PROJECT NO. 2807

METRON ARCHITECTS GROUP
413 MONTCLAIRE DRIVE, N.E.
265-8590

Civil Engineering	Hall Engineering Co. Inc.
Structural Engineering	James Innis, A. E.
Mechanical Engineering	Walker Consulting Engineers
Electrical Engineering	John R. Cejka
Specifications	Gordon E. Bosl A. I. A.



LOCATION MAP

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T-2 SITE PLAN DETAILS AND CALCULATIONS
T-3 SITE PLAN, LANDSCAPE PLAN, DESIGN CRITERIA
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A-2 OFFICE LABORATORY BUILDING: FOUNDATION DETAILS, BUILDING ELEVATIONS
A-3 OFFICE LABORATORY BUILDING: BUILDING SECTIONS
A-4 OFFICE LABORATORY BUILDING: INTERIOR ELEVATIONS, DOOR, WINDOW AND ROOM FINISH SCHEDULES
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M-2 OFFICE LABORATORY BUILDING: MECHANICAL PLAN, EQUIPMENT SCHEDULE, MECHANICAL NOTES
M-3 OFFICE LABORATORY BUILDING, CAR WASH: WASTE PIPING PLANS; CAR WASH: WATER PIPING PLAN
M-4 OFFICE LABORATORY BUILDING: WATER AND GAS PIPING PLAN, FIXTURE SCHEDULE
E-1 OFFICE/LABORATORY BUILDING, CAR WASH, TRUCK SHED: ELECTRICAL PLANS
E-2 ELECTRICAL NOTES, SCHEDULES, POWER RISER DIAGRAM, TELEPHONE RISER DIAGRAM

APPROVED [illegible]
1-12-88

26 28D70188

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

APPROVAL OF REVISIONS

METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87108
505/265-8590

PROJECT NUMBER 2807

APPROVED FOR CONSTRUCTION
11/12/86

SPECIFIC NOTES - MECHANICAL

1. (FR), 10" X 2", 50 CFM.
2. (FR), 14" X 2", 100 CFM.
3. (FR), 10" X 4", 125 CFM.
4. (FR), 12" X 4", 150 CFM.
5. (CD), 6" DIA. NECK, 100 CFM, 12" X 12" FACE.
6. (CD), 8" DIA. NECK, 300 CFM, 24" X 24" FACE.
7. (CD), 8" DIA. NECK, 400 CFM, 24" X 24" FACE.
8. (CD), 8" DIA. NECK, 425 CFM, 24" X 24" FACE.
9. (CD), 10" DIA. NECK, 500 CFM, 24" X 24" FACE.
10. (CD), 10" DIA. NECK, 650 CFM, 24" X 24" FACE.
11. (CD), 14" DIA. NECK, 950 CFM, 24" X 24" FACE.
12. 12" X 12" (RA) IN CEILING.
13. CONCRETE PLENUM BELOW FURNACE, SAME SIZE AS FURNACE OUTLET. RETURN AIR PLENUM UP FROM TOP OF FURNACE INTO CEILING SPACE. SEE INSTALLATION DETAIL.
14. EVAPORATIVE COOLER ON ROOF. SEE INSTALLATION DETAIL.
15. 20" X 20" SUPPLY DUCT DOWN THRU ROOF INTO CEILING SPACE.
16. 4" DIA. EXHAUST DUCT UP THRU ROOF TO WEATHER CAP.
17. COORDINATE UNDERFLOOR DUCTWORK WITH WASTE PIPING.
18. THERMOSTATICALLY CONTROLLED AIR VOLUME DAMPER.
19. DUCT DOWN FROM FAN INLET TO 12" X 12" RA IN CEILING.
20. 16" X 4" COMBUSTION AIR DUCT FROM GOOSENECK ABOVE ROOF DOWN TO 12" AFF.
21. INTERLOCK EXHAUST FAN WITH FURNACE MOTOR.
22. MOUNT EXHAUST FAN ON ROOF AND CONNECT TO EXHAUST HOOD IN ROOM BELOW. EXHAUST FAN TO BE SUPPLIED WITH HOOD. VERIFY ALL CONNECTIONS AND MOUNTING REQUIREMENTS.
23. CONNECT WATER HEATER FLUE AND FURNACE FLUE TO SINGLE 5" DIA. FLUE AND EXTEND THRU ROOF TO WEATHER CAP.
24. MOUNT HUMIDIFIER AT 84" AFF.

EQUIPMENT SCHEDULE

(1) FURNACE: AGA APPROVED, NATURAL GAS FIRED, DOWN FLOW FURNACE ORFICED FOR 5000' ELEVATION. UNIT SHALL HAVE MULTI-SPEED, DIRECT DRIVE FAN AND SPEED TAP SELECTOR, PRINTED CIRCUIT CONTROL CENTER, SOLID STATE BLOWER CONTROL, CROSS-PORT DESIGN BURNERS FABRICATED FROM ALUMINIZED STEEL, ELECTRIC SPARK PILOT, 115 V - 1 PH ELECTRICAL, LIMIT CONTROLS AND GAS TRAIN, TRANSFORMER, HEATING THERMOSTAT, AND 1" THICK THROWAWAY FILTERS. MODEL NUMBERS ARE PAYNE.

SYMBOL	MODEL	CFM	ESP	HP	BTUH INPUT
(1)	396G048100	1350	.6"	1/2	100,000

(2) EVAPORATIVE COOLER: DRIP TYPE, SIDE DISCHARGE COOLER WITH PADS, PUMP, FLOAT AND MAKE-UP ASSEMBLY, AND 26 GAUGE GALVANIZED STEEL COVERS. MOTORS SHALL BE TWO SPEED AND THE CAPACITIES ARE CERTIFIED. MODEL NUMBERS ARE McGRAW-EDISON.

SYMBOL	MODEL	CFM	ESP	HP	VOLTS	PH	WEIGHT
(2)	ES630	4000	.3"	3/4	115	1	400

(3) EXHAUST FAN: ROOF MOUNTED, DIRECT DRIVEN, CENTRIFUGAL TYPE EXHAUST FAN. PROVIDE WITH BACKDRAFT DAMPER, BIRD SCREEN AND UNIT MOUNTED DISCONNECT SWITCH. MODEL NUMBERS ARE GREENHECK.

SYMBOL	MODEL NO.	CFM	ESP	VOLTS	PH	HP
(3)	G-65-D	230	.125	115	1	1/30

(4) EXHAUST FAN: ROOF MOUNTED, DIRECT DRIVEN, CENTRIFUGAL TYPE EXHAUST FAN WITH NON SPARKING CONSTRUCTION AND EXPLOSION PROOF MOTOR. PROVIDE WITH BACKDRAFT DAMPER, BIRD SCREEN AND UNIT MOUNTED DISCONNECT SWITCH. MODEL NUMBERS ARE GREENHECK.

SYMBOL	MODEL NO.	CFM	ESP	VOLTS	PH	HP
(4)	G-75-D	375	.125	115	1	1/25

(5) HUMIDIFIER: SELF CONTAINED ELECTRODE STEAM HUMIDIFIER. UNIT SHALL HAVE A CAPACITY OF 10 LBS/HR OF STEAM. UNIT SHALL HAVE CONDUCTIVITY SENSOR, WATER LEVEL SENSOR, INTERNAL OVERLOAD PROTECTION, AUTOMATIC CYLINDER FLUSHING, LOCKING STEEL CABINET, AND ROOM DIFFUSION UNIT. THE UNIT SHALL BE PROVIDED WITH L.E.D. DISPAYS TO INDICATE THE FOLLOWING: PERCENT OF SET POINT, FILL, DRAIN AND CYLINDER FULL, AND FAULT. ELECTRICAL - 220 V - 1 PH, 3.3 KW. HERRMIDIFIER MODEL EST 220110.

(6) EXHAUST FAN: CEILING MOUNTED, DIRECT DRIVE, CENTRIFUGAL TYPE EXHAUST FAN WITH 1/2" ACOUSTICAL LINER, BACKDRAFT DAMPER AND ALUMINUM INLET GRILLE. MODEL NUMBERS ARE GREENHECK.

SYMBOL	MODEL NO.	CFM	ESP	VOLTS	PH	HP
(6)	SP-8	90	.125	120	1	1/125

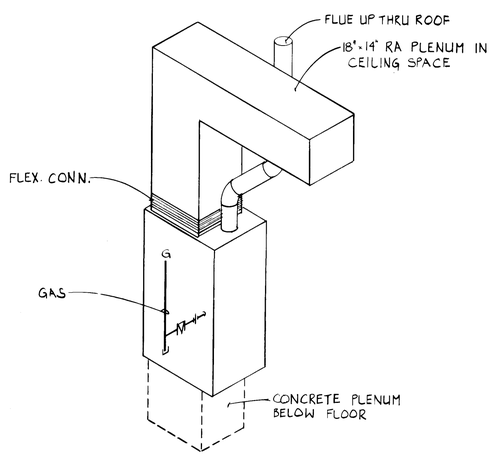
(7) ELECTRIC BASEBOARD HEATER: SEE ELECTRICAL PLANS

(8) EXHAUST FAN: SUPPLIED WITH LABORATORY HOOD.

(CD) CEILING DIFFUSER: KRUEGER 1400 SERIES WITH OBD, STEEL CONSTRUCTION AND OFF-WHITE FINISH.

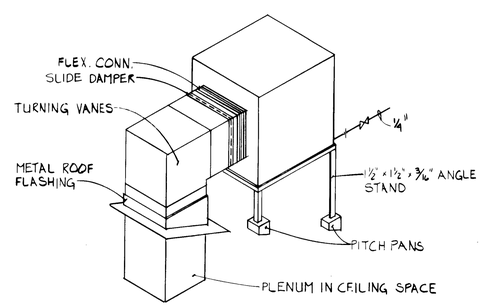
(RA) RETURN AIR GRILLE: KRUEGER EGC-5, WITH OFF-WHITE FINISH.

(FR) FLOOR REGISTER: KRUEGER 700 SERIES WITH OBD AND FACTORY BAKED BROWN FINISH.



FURNACE INSTALLATION SCHEMATIC

NO SCALE

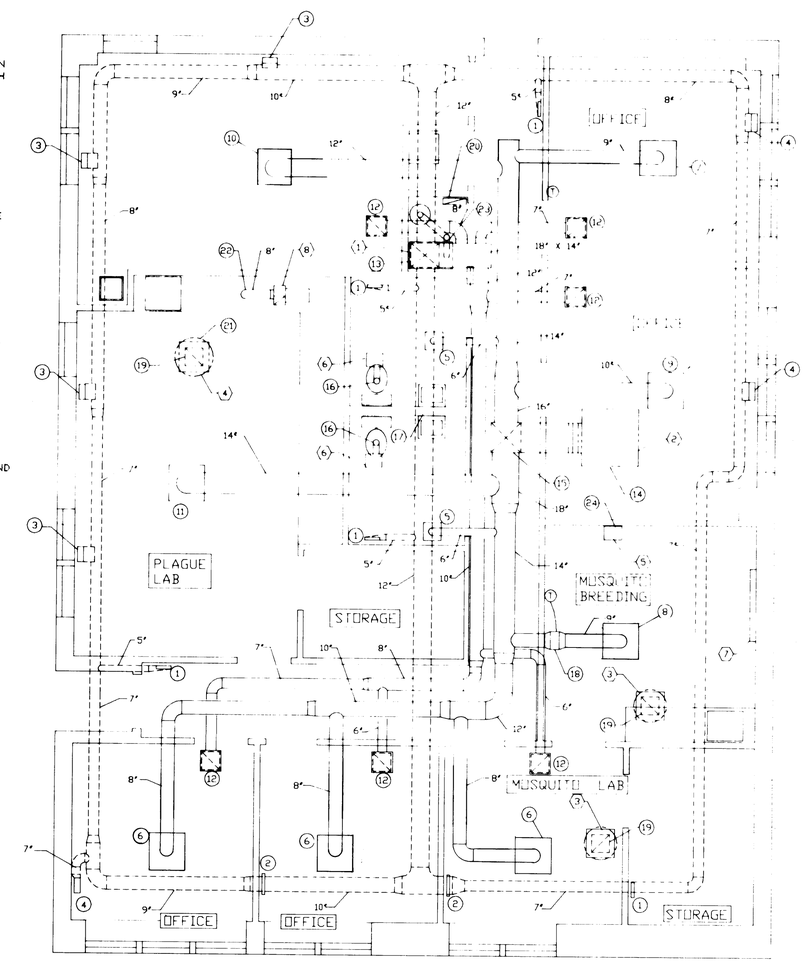


COOLER INSTALLATION SCHEMATIC

NO SCALE

LEGEND

- UNDERFLOOR DUCT
- ABOVE GROUND DUCT
- ROOFTOP EQUIPMENT



MECHANICAL PLAN

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

26 28071488

APPROVED AS BUILT DRAWINGS
CHIEF CONSTRUCTION INSPECTOR
Russell B. Hanks
1-12-88

RECORD DRAWING based on information furnished by the contractor as provided by the owner

OFFICE / LAB BUILDING
MECHANICAL PLAN
EQUIPMENT SCHEDULE
MECHANICAL NOTES

DATE: 04.5.86
REV.:

PROJECT NUMBER 2807 SHEET 13 OF 17

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87108
505/265-5550

M2

GENERAL NOTES

MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ROUGH-IN AND CONNECTION OF EQUIPMENT REQUIRING COLD WATER, HOT WATER, INDIRECT WASTE, DIRECT WASTE AND VENT, DRAIN PIPING AND GAS PIPING.

MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAPS, TAILPIECES, AND SUPPLIES FOR FINAL CONNECTION TO ALL EQUIPMENT.

COORDINATE ALL PIPING BELOW SLAB WITH STRUCTURAL DRAWINGS AND UNDERGROUND DUCTWORK.

ALL PIPING SHALL BE CONCEALED EXCEPT WHERE NOTED AND IN MECHANICAL ROOMS.

CARE SHALL BE TAKEN TO AVOID MECHANICAL DUCTWORK, ELECTRICAL EQUIPMENT AND AIR-HANDLING EQUIPMENT. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ROUTING OF PIPING WITH CEILING CONTRACTOR AND SHEETMETAL CONTRACTOR. RELOCATION OF PIPING REQUIRED DUE TO POOR CO-ORDINATION BY THIS CONTRACTOR SHALL BE AT THEIR OWN EXPENSE.

ALL TRENCHING AND BACKFILL FOR PIPING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

ALL PLUMBING AND MECHANICAL SYSTEMS SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND OSHA STANDARDS.

ALL WATER PIPING BELOW FLOOR SHALL BE TYPE "L" COPPER, NO JOINTS, WRAPPED COMPLETE WITH X-TRU-COAT OR WITH 2" WIDTH OF #101 SCOTCHWRAP TAPE.

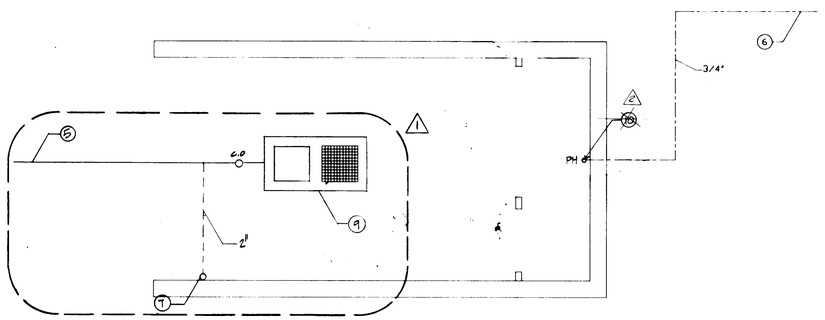
CONNECT GAS LINES TO EACH PIECE OF GAS FIRED EQUIPMENT WITH GAS COCK, UNION, DIRT LEG, AND FLEXIBLE CONNECTION.

CAULK ALL OPENINGS INTO MOSQUITO BREEDING ROOM AIR TIGHT.

SPECIFIC NOTES - WASTE PIPING

1. SEE SITE PLAN FOR CONTINUATION.
2. 1 1/2" VENT FROM FLOOR DRAIN UP IN WALL TO ABOVE CEILING.
3. 2" VTR.
4. 3" VTR.
5. ROUTE 4" WASTE LINE FROM SAND TRAP TO DISPOSAL POND. SEE SITE PLAN FOR CONTINUATION.
6. 3 4" CW TO EXISTING EQUIPMENT BUILDING. SEE SITE PLAN FOR CONTINUATION.
7. 2" VENT LINE UP FROM BELOW GRADE AND UP ALONG WALL TO ABOVE ROOF.
8. ROUTE 3/4" COPPER DRAIN LINE ALONG WALL FROM HUMIDIFIER AND ELBOW DOWN INTO SINK.
9. SAND TRAP IN FLOOR. SEE DETAILS FOR CONSTRUCTION AND ARCHITECTURAL PLANS FOR EXACT LOCATION.

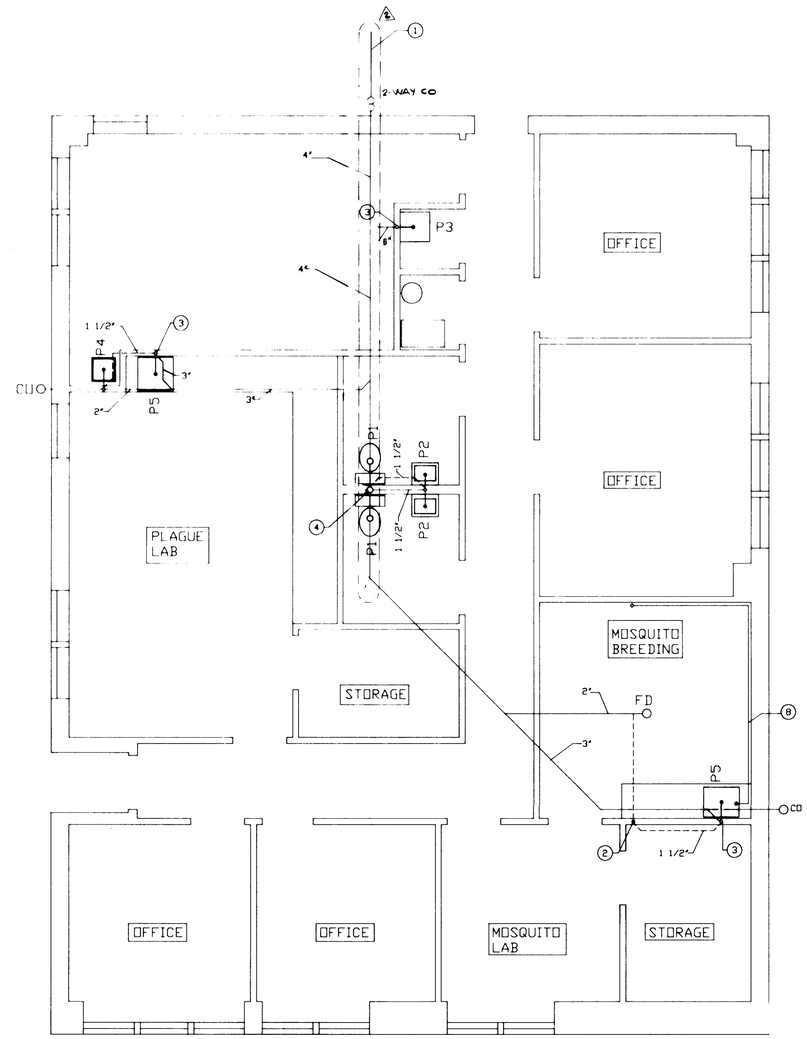
DELETE ~~10. PROVIDE 1 CU. FT. OF 3/4" DIRT GRAVEL AT BASE OF PH.~~



NOTE: PROVIDE AND INSTALL SWIVEL MOUNT FOR CAR WASH EQUIPMENT PER MANUFACTURER'S SPECS. CAR WASH EQUIPMENT BY OWNER.

CAR WASH PLAN

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



WASTE PIPING PLAN

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

APPROVAL OF AS BUILT DRAWINGS
Russell B. Sisler
1-19-88

26 28071588

RECORD DRAWING

WASTE PIPING PLANS
CAR WASH
OFFICE / LAB BUILDING

DATE: 01.15.86
REV.: 3.15.86
10.18.87

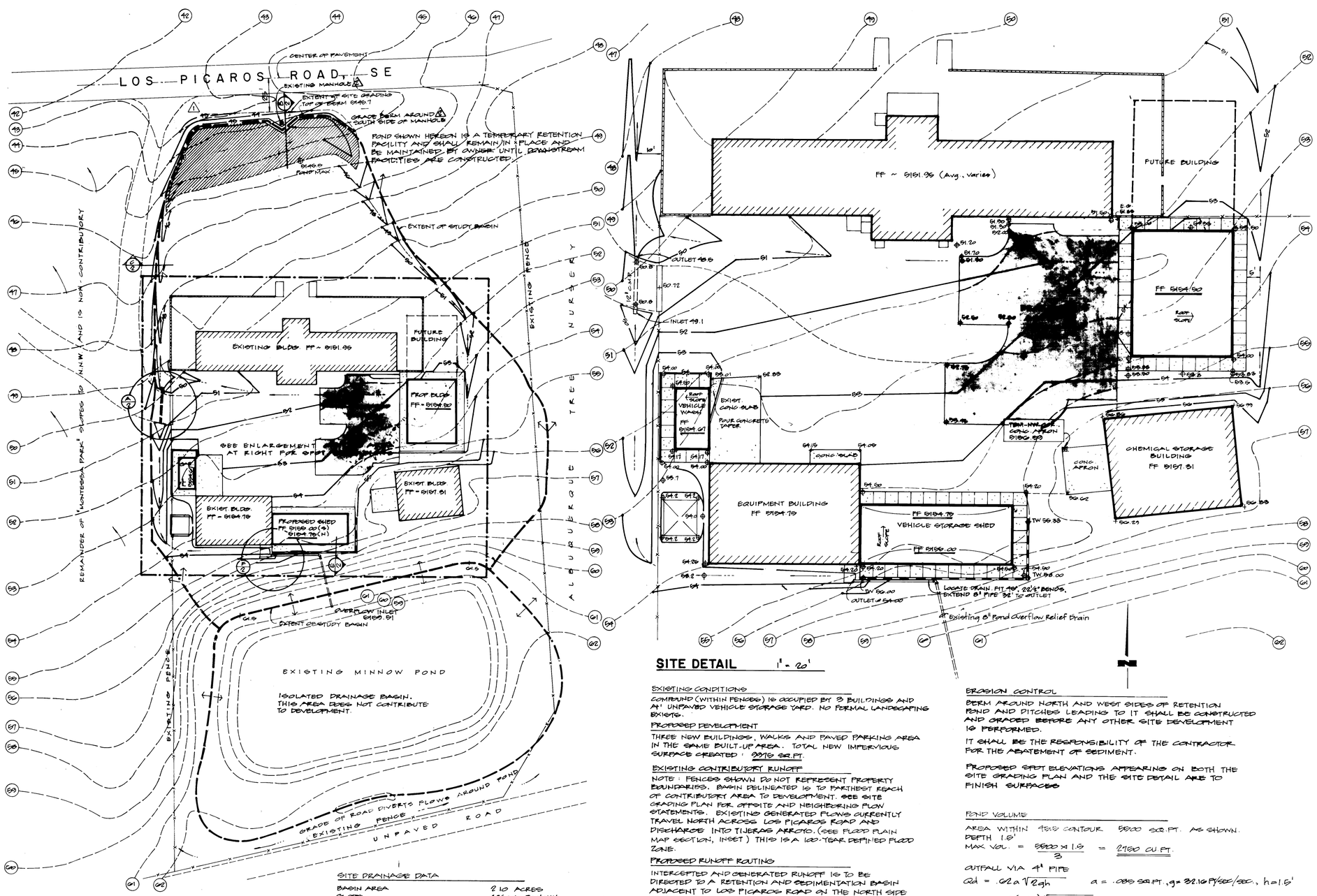
CARWASH SAND TRAP REVISED
WASTE LINE LOCATION, FIRST HYDRANT

PROJECT NUMBER 2807 SHEET 14 OF 17

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Monclare Drive NE
Albuquerque, NM 87108
268/888-8880

M3



SITE GRADING 1" = 40'

SITE DETAIL 1" = 20'

SITE DRAINAGE DATA

BASIN AREA	2.10 ACRES
SLOPE	4% AVG. TO N.N.W.
LENGTH OF RUN	440 FT.
TIME OF CONCENTRATION	10 MINUTES
100-YR.-6-HR. RAINFALL (P)	2.3 INCHES (PL. 22.2, D-1, D.P.M.)
SCS SOILS GROUP (Blueprint Series)	A (SOIL SURVEY BERNALILLO CO.)
INTENSITY	4.86 IN/HR (PL. 22.2, D-2, D.P.M.)
IMPERVIOUS AREA	31%
CURVE NUMBER (PAIR RANGE)	54 (PL. 22.2, C-2, D.P.M.)
COMPOSITE CN	67 (PL. 22.2, C-3, D.P.M.)
DIRECT RUNOFF	.39 INCHES (PL. 22.2, C-4, D.P.M.)

VOLUME OF RUNOFF: $\frac{39}{12} \times 2.10 \times 43560$ = 2660 CU.FT

Q_{100} = .40 × 4.86 × 2.10 = 4.08 CFS PEAK

Q_{10} = .667 Q_{100} = 2.68 CFS

FLOWS ARE TOTAL AT ENTRY TO POND

EXISTING CONDITIONS

COMPOUND (WITHIN FENCES) IS OCCUPIED BY 3 BUILDINGS AND A 1 UNPAVED VEHICLE STORAGE YARD. NO FORMAL LANDSCAPING EXISTS.

PROPOSED DEVELOPMENT

THREE NEW BUILDINGS, WALKS AND PAVED PARKING AREA IN THE SAME BUILT-UP AREA. TOTAL NEW IMPERVIOUS SURFACE CREATED: 2016 SQ.FT.

EXISTING CONTRIBUTORY RUNOFF

NOTE: FENCES SHOWN DO NOT REPRESENT PROPERTY BOUNDARIES. BASIN DELINEATED IS TO FARTHEST REACH OF CONTRIBUTORY AREA TO DEVELOPMENT. SEE SITE GRADING PLAN FOR OFFSITE AND NEIGHBORING FLOW STATEMENTS. EXISTING GENERATED FLOWS CURRENTLY TRAVEL NORTH ACROSS LOS PICAROS ROAD AND DISCHARGE INTO TIJERAS ARROYO. (SEE FLOOD PLAIN MAP SECTION, INSET) THIS IS A 100-YEAR DEFINED FLOOD ZONE.

PROPOSED RUNOFF ROUTING

INTERCEPTED AND GENERATED RUNOFF IS TO BE DIRECTED TO A RETENTION AND SEDIMENTATION BASIN ADJACENT TO LOS PICAROS ROAD ON THE NORTH SIDE OF THIS DEVELOPMENT.

THERE SHALL BE NO RELEASE OF IMPOUNDED WATER ONTO LOS PICAROS ROAD.

BASIN SHALL REMAIN IN PLACE AND BE MAINTAINED BY OWNER UNTIL FUTURE DOWNSTREAM FACILITIES ARE IN PLACE.

LOS PICAROS ROAD HAS NO RECORDED RIGHT-OF-WAY WIDTH. TOE OF CONSTRUCTED BERM SHALL BE NO CLOSER THAN 28 FEET TO THE CENTERLINE OF ROAD PAVEMENT.

EROSION CONTROL

BERM AROUND NORTH AND WEST SIDES OF RETENTION POND AND DITCHES LEADING TO IT SHALL BE CONSTRUCTED AND GRADED BEFORE ANY OTHER SITE DEVELOPMENT IS PERFORMED.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR THE ABATEMENT OF SEDIMENT.

PROPOSED SPOT ELEVATIONS APPEARING ON BOTH THE SITE GRADING PLAN AND THE SITE DETAIL ARE TO FINISH SURFACES

POND VOLUME

AREA WITHIN 5155 CONTOUR 5900 SQ.FT. AS SHOWN.
DEPTH 1.6'

MAX. VOL. = $\frac{5900 \times 1.6}{3}$ = 2360 CU.FT

OUTFALL VIA 4" PIPE

$Q_d = .62 a \sqrt{2gh}$ a = .085 SQ.FT., g = 32.16 FT/SEC/SEC., h = 1.6'

= .62 (.085) $\sqrt{2(32.16)1.6}$ = .92 CFS

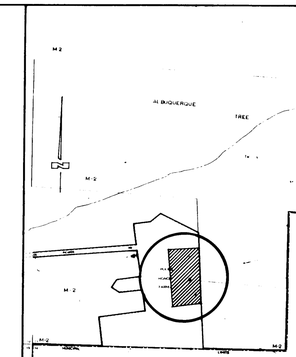
TIME OF RELEASE = $\frac{2660 \text{ FT}^3}{.92 \text{ CFS}}$ = 5130 SEC. (1 h. 25 m.)

26 28070288

Russell B. Hunter 1-12-88

14/23/86

HALL ENGINEERING COMPANY INC.
337 EUBANK N.E., SUITE 103
ALBUQUERQUE, NEW MEXICO 87123
Phones: (505) 292-1115 & 292-1116



VICINITY MAP P-17-Z

FLOOD PLAIN MAP

PORTION, FLOODWAY AND FLOOD BOUNDARY MAP
CITY OF ALBUQUERQUE, NEW MEXICO
PANEL 41 OF 50.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS
- EXISTING BUILDING
- PROPOSED BUILDING
- EXTENT OF RETENTION AND SEDIMENTATION BASIN
- FLOWLINE
- DIVISION OF FLOWS
- RETAINING WALL
- FENCE
- EXISTING CONCRETE
- NEW CONCRETE
- NEW ASPHALT

AS BUILT INFORMATION
CONTRACTOR Rio Grande Grading
WORK STAKED BY Hall Engineering
INSPECTORS
ACCEPTANCE BY
DATE 1-5-87
VERIFICATION BY
DRAWINGS CORRECT
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
STATION 1-P17 STD A.C.S. BRASS TABLET SET IN CONCRETE POST PROJECTING 0.1' ABOVE GROUND. STATION IS 500' + SOUTH OF MAIN BLDG OF MONTESSA PARK DETENTION CENTER.
ELEV. 5154.73
TBM NW CORNER OF CONCRETE APRON AT CHEMICAL STORAGE BUILDING
ELEV 5150.55

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
RICHARD V. HALL, NEW MEXICO, REGISTERED PROFESSIONAL ENGINEER
14/23/86

NO.	DATE	REMARKS	BY
1	05-11-86	RELOCATED BERM AROUND MANHOLE	EWK
2	11-10-86	REMOVED 4" RELEASE PIPE FROM BASIN	EWK

REVISIONS

DESIGN
DESIGNED BY — DATE
DRAWN BY E.W. KLESSIG — DATE 10-10-86
CHECKED BY — DATE

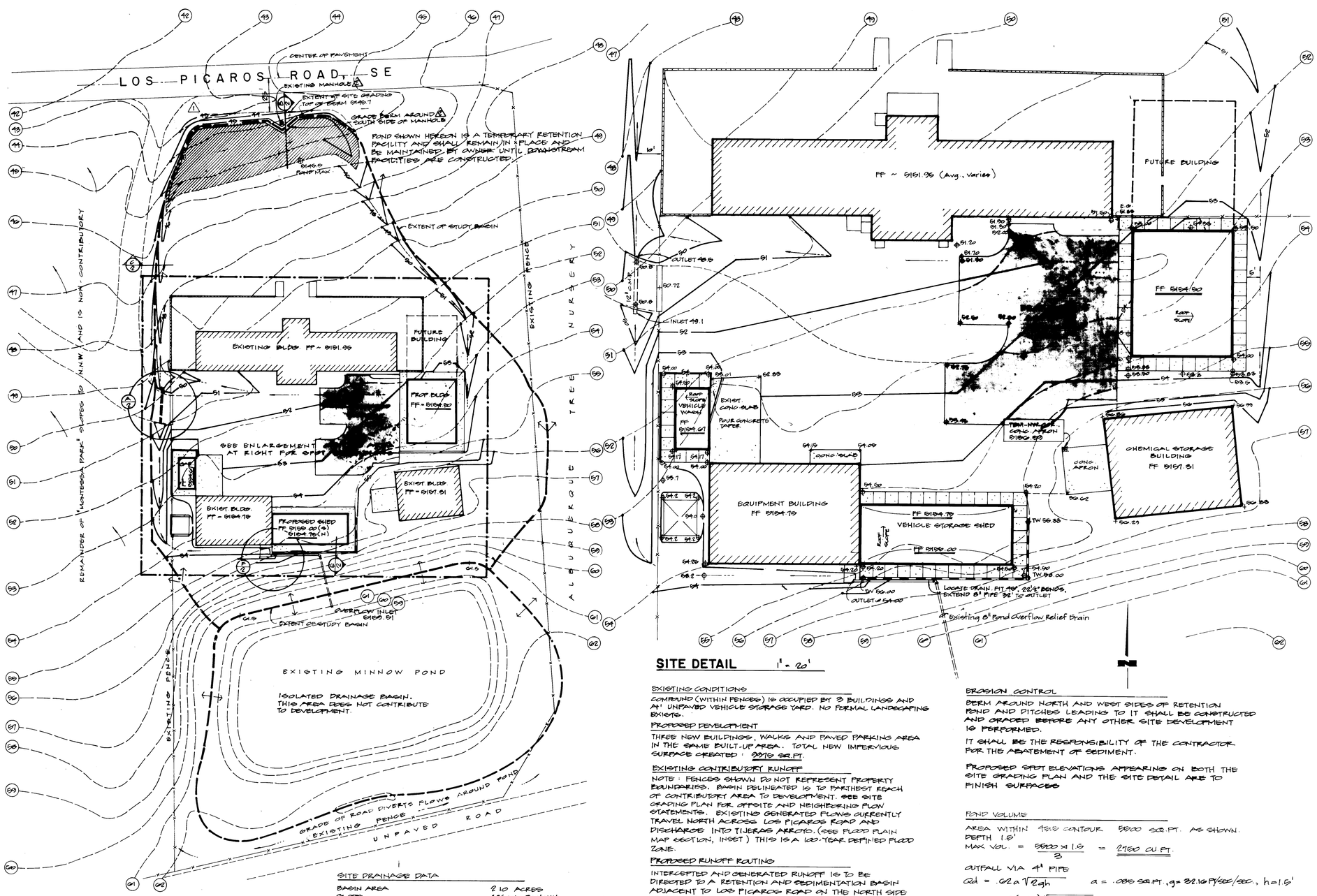
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

TITLE: SITE DRAINAGE & GRADING MONTESSA PARK RENOVATION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO. 2807 | MAP NO. P-17 | SHEET D1 OF 2

86-376



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EXISTING CONTRIBUTORY RUNOFF

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MAX. VOL. = $\frac{5900 \times 1.6}{3}$ = 2360 CU.FT

OUTFALL VIA 4" PIPE

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= .62 (.085) $\sqrt{2(32.16)1.6}$ = .92 CFS

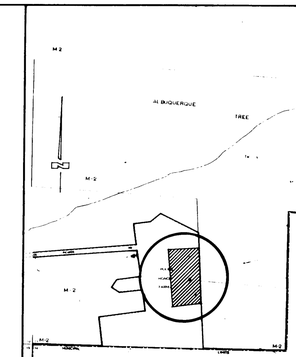
TIME OF RELEASE = $\frac{2660 \text{ FT}^3}{.92 \text{ CFS}}$ = 5130 SEC. (1 h. 25 m.)

26 28070288

Russell B. Hunter 1-12-88

14/23/86

HALL ENGINEERING COMPANY INC.
337 EUBANK N.E., SUITE 103
ALBUQUERQUE, NEW MEXICO 87123
Phones: (505) 292-1115 & 292-1116



VICINITY MAP P-17-Z

FLOOD PLAIN MAP

PORTION, FLOODWAY AND FLOOD BOUNDARY MAP
CITY OF ALBUQUERQUE, NEW MEXICO
PANEL 41 OF 50.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS
- EXISTING BUILDING
- PROPOSED BUILDING
- EXTENT OF RETENTION AND SEDIMENTATION BASIN
- FLOWLINE
- DIVISION OF FLOWS
- RETAINING WALL
- FENCE
- EXISTING CONCRETE
- NEW CONCRETE
- NEW ASPHALT

AS BUILT INFORMATION
CONTRACTOR Rio Grande Grading
WORK STAKED BY Hall Engineering
INSPECTORS
ACCEPTANCE BY
DATE 1-5-87
VERIFICATION BY
DRAWINGS CORRECT
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
STATION 1-P17 STD A.C.S. BRASS TABLET SET IN CONCRETE POST PROJECTING 0.1' ABOVE GROUND. STATION IS 500' + SOUTH OF MAIN BLDG OF MONTESSA PARK DETENTION CENTER.
ELEV. 5154.73
TBM NW CORNER OF CONCRETE APRON AT CHEMICAL STORAGE BUILDING
ELEV 5150.55

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
RICHARD V. HALL, NEW MEXICO, REGISTERED PROFESSIONAL ENGINEER
14/23/86

NO.	DATE	REMARKS	BY
1	05-11-86	RELOCATED BERM AROUND MANHOLE	EWK
2	11-10-86	REMOVED 4" RELEASE PIPE FROM BASIN	EWK

REVISIONS

DESIGN
DESIGNED BY — DATE
DRAWN BY E.W. KLESSIG — DATE 10-10-86
CHECKED BY — DATE

CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

TITLE: SITE DRAINAGE & GRADING MONTESSA PARK RENOVATION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO. 2807 | MAP NO. P-17 | SHEET D1 OF 2

86-376

FIXTURE SCHEDULE

P1 WATER CLOSET: AMERICAN STANDARD MODEL 2108.408, RIM HEIGHT AT 18" AFF, COMPLETE WITH TANK AND WATER SAVER TRIM, BOLT CAPS, SUPPLY STOP AND WHITE PLASTIC SEAT. 4" WASTE, 2" OR 4" VENT, 1/2" CW.

P2 LAVATORY: AMERICAN STANDARD MODEL 0373.027, WITH WALL HANGER AND RIM MOUNTED AT 31" AFF. PROVIDE WITH SINGLE HANDLE FAUCET, P-TRAP, AND SUPPLY STOPS. INSULATE P-TRAP AND HW SUPPLY WITH 1" FIBERGLASS WITH ALUMINUM PROTECTIVE COVERING. 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.

P3 SERVICE SINK: AMERICAN STANDARD NO. 7692.049, WITH NO 8341.075 TRIM, RIM GUARD, WALL HANGER, AND STANDARD TRAP. 2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.

P4 SINK: ELKAY MODEL LR-1517, 15" X 17" X 7" DEEP, 18 GUAGE, TYPE 304 STAINLESS STEEL WITH SOUND DAMPERING, SELF RIMMING, P-TRAP, CRUMB CUP STRAINER, SINGLE FAUCET HOLE, LK-2088-13 GOOSENECK FAUCET. 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.

P5 SINK: ELKAY MODEL DLR-3122-12, 28" X 16" X 11" DEEP, 18 GUAGE, 302 STAINLESS STEEL, SELF RIMMING, WITH P-TRAP, CRUMB CUP STAINER, AND LK-4102 FAUCET. 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.

P6 WATER HEATER: AO SMITH MODEL NO. PGC-50, NATURAL GAS FIRED WATER HEATER ORFICED FOR 5000' ELEVATION. 40,000 BTUH INPUT, 50 GALLON STORAGE CAPACITY, GLASS LINED TANK WITH MAGNESIUM ANODE, T & P RELIEF VALVE, AND 3" DIA. FLUE.

P7 GAS COCK: CHICAGO FAUCET NO. 907

HB HOSE BIB: ~~SMITH FIG. 5509 FREEZEPROOF HOSE BIB~~ WITH VACUUM BREAKER △1

FD FLOOR DRAIN: SMITH FIG. 2010-A WITH 5" DIA ADJUSTABLE POLISHED BRONZE TOP, AND VANDEL PROOF SCREWS.

PH POST HYDRANT: SMITH MODEL 5910 WITH 3/4" HOSE CONNECTION. VACUUM BREAKER, CAST IRON CASING GUARD AND REMOVABLE "T" HANDLE.

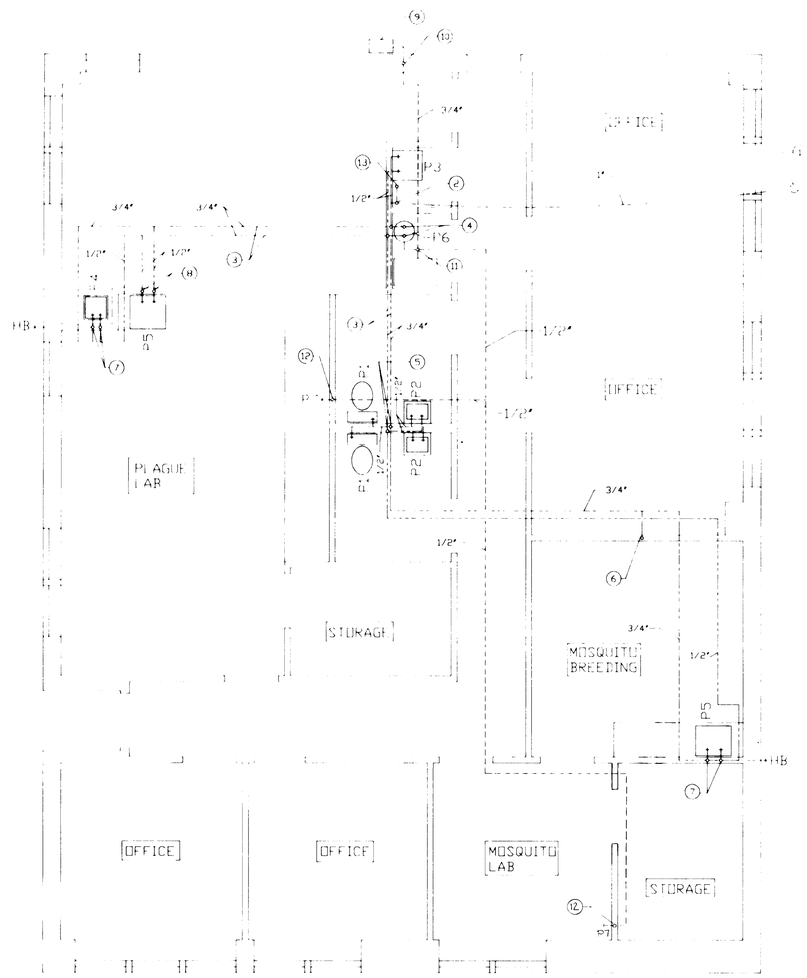
CO CLEANOUT: (FOR APPLICABLE FINISH)

A. CONCRETE, CERAMIC TILE, OR QUARRY TILE: SMITH FIG. 4023
B. VINYL TILE OR ASBESTOS TILE: SMITH FIG 4143
C. CARPET: SMITH FIG. 4023-Y WITH CARPET MARKER.

SPECIFIC NOTES - WATER AND GAS PIPING PLAN

1. SHUT OFF VALVE IN VALVE BOX. SEE SITE PLAN FOR CONTINUATION.
2. 1" CW UP FROM BELOW GRADE. ROUTE UP TO CEILING SPACE.
3. HW AND CW LINES IN CEILING SPACE.
4. 3/4" CW WITH SHUT-OFF VALVE AND UNION TO WATER HEATER INLET. 3/4" HW WITH UNION TO WATER HEATER OUTLET. ROUTE 3/4" T & P RELIEF LINE TO SERVICE SINK.
5. 3/4" CW AND 1/2" HW DOWN INTO PLUMBING WALL AND ROUTE TO FIXTURE.
6. 1/2" CW DOWN IN WALL TO HUMIDIFIER WITH SHUT-OFF VALVE.
7. 1/2" HW AND 3/4" CW DOWN IN WALL TO FIXTURE. ROUTE 3/4" CW TO HB.
8. 1/2" HW AND 1/2" CW DOWN IN WALL TO FIXTURE.
9. GAS METER AND PRESSURE REGULATOR BY UTILITY COMPANY. ALL FEES PAID BY CONTRACTOR. SIZE FOR A TOTAL CONNECTED LOAD OF 150,000 BTUH.
10. 3/4" GAS LINE UP IN WALL TO ABOVE CEILING.
11. 3/4" GAS LINE FROM CEILING. ROUTE TO FURNACE AND WATER HEATER WITH SHUT-OFF VALVE, DIRT LEG, AND FLEX CONNECTION AT EACH APPLIANCE.
12. 1/2" GAS LINE DOWN IN WALL TO P7 AT 6" ABOVE COUNTER.
13. 1/4" CW UP THRU ROOF AND ROUTE TO EVAPORATIVE COOLER. SEE DETAIL.

NOTE: PACE WATER PIPES BETWEEN CEILING AND R-4 BATT INSULATION OR ISOLATE PIPES PER SPECS.



WATER & GAS PIPING PLAN

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

APPROVAL OF AS BUILT DRAWINGS
Russell B. Leake
DATE 1-12-88

26 28071688

RECORD DRAWING (as approved by Project Engineer) 1/12/88

DATE: 01.19.86
REV: △1 10.13.87

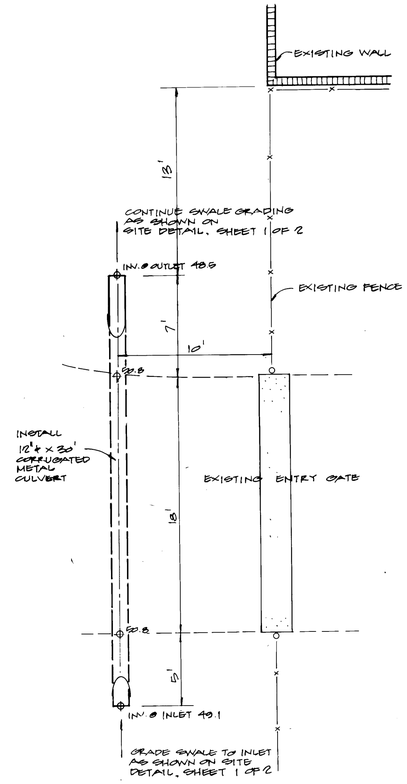
PROJECT NUMBER 2807 SHEET 15 OF 17

OFFICE / LAB BUILDING
FIXTURE SCHEDULE
WATER & GAS PIPING PLAN

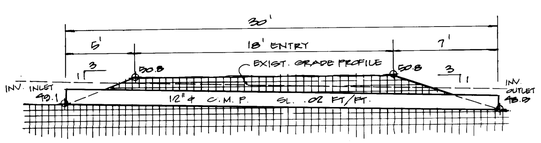
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87108
505/265-8590

M4

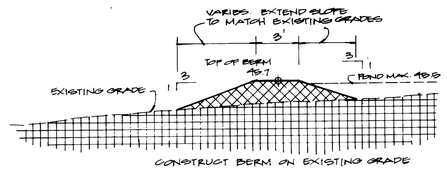


LAYOUT LOCATION
SCALE 1" = 5'

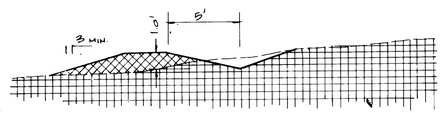


PROFILE SECTION
SCALE 1" = 5'

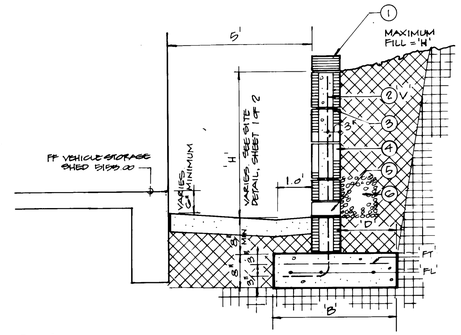
A/2 CULVERT DETAILS @ ENTRY



B/2 BERM @ N. SIDE OF BASIN
SCALE 1" = 5'



C/2 DITCH @ W. SIDE OF SITE
SCALE 1" = 5'



1. 4" C.M.U. CAP BLOCK
2. VERTICAL REINFORCING. ALTERNATE VERTICAL RE-BARS MAY BE TERMINATED AT MID-HEIGHT OF RETAINER.
3. DUR-O-WAL EA. 3RD COURSE. REINF. SHALL BE 9 GA. MINIMUM, DIAGONAL WEB.
4. 8" x 8" x 16" C.M.U., FILL ALL CELLS W/CONCRETE TO FULL WALL HT.
5. 4" DIA. WEEPS @ 12' O.C. WRAP 1/4" MESH OVER INLET.
6. 1 CU. FT. GRAVEL CONTINUOUS AT WEEP ELEVATION.

WALL HEIGHT 'H'	FOOTING WIDTH 'B'	HEEL 'D'	VERTICAL REINF. 'V'	FOOTING REINFORCING 'FT'	FOOTING REINFORCING 'FL'
1'-4"	1'-6"	7"	#3@32" O.C.	—	2-#3 CONT.
2'-0"	1'-10"	9"	#3@32" O.C.	—	2-#3 CONT.
2'-8"	2'-3"	13"	#4@32" O.C.	#3@32" O.C.	2-#3 CONT.
3'-4"	2'-7"	16"	#4@24" O.C.	#3@24" O.C.	3-#3 CONT.

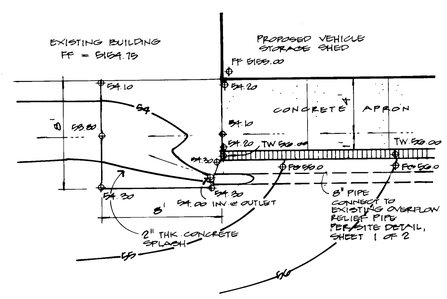
CONTRACTOR SHALL BE RESPONSIBLE FOR SITE PREPARATION INCLUDING EXCAVATION, BACKFILLING, COMPACTION AND GRADING

BACKFILL DENSITY SHALL BE 110 P.C.F. MINIMUM

CONCRETE STRENGTH (F'c) = 2000 P.S.I. MINIMUM.

STEEL STRENGTH (F_y) = 40000 P.S.I. STEEL SHALL HAVE STANDARD DEFORMATIONS

E/2 RETAINING WALL



F/2 MINNOW POND RELIEF OUTLET
SCALE 1" = 5'

1 REVISION

G/2 DELETED

26 28070388

HALL ENGINEERING COMPANY INC.
337 EUBANK N.E., SUITE 103
ALBUQUERQUE, NEW MEXICO 87123
Phones: (505) 292-1115 & 292-1116

AS BUILT INFORMATION
CONTRACTOR Dale Kaiser
WORK STAKED BY Carlos Ruiz DATE
INSPECTOR ACCEPTANCE BY [illegible] DATE 1/12/87
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION 1-F17 STD. A.C.S. BRASS TABLET SET IN CONCRETE POST PROJECTING 0.7' ABOVE GROUND. SECTION 19 T10N R3E SOUTH OF MAIN BLDG. OF MONTESSA PARK DETENTION CENTER.
ELEV. 5154.78
TBM NW CORNER OF CONCRETE APRON AT CHEMICAL STORAGE BUILDING
ELEV. 5150.89

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
RICHARD V. HALL NEW MEXICO 3783 REGISTERED PROFESSIONAL ENGINEER
10/23/86

NO.	DATE	REMARKS	BY
1	11-10-86	REVISED 4" RELIEF PIPE TO A BASIN	BWK

REVISIONS
DESIGN
DESIGNED BY DATE
DRAWN BY B.W. KIESER DATE 10-18-86
CHECKED BY DATE

Russell B. Hyde
1-19-88

CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

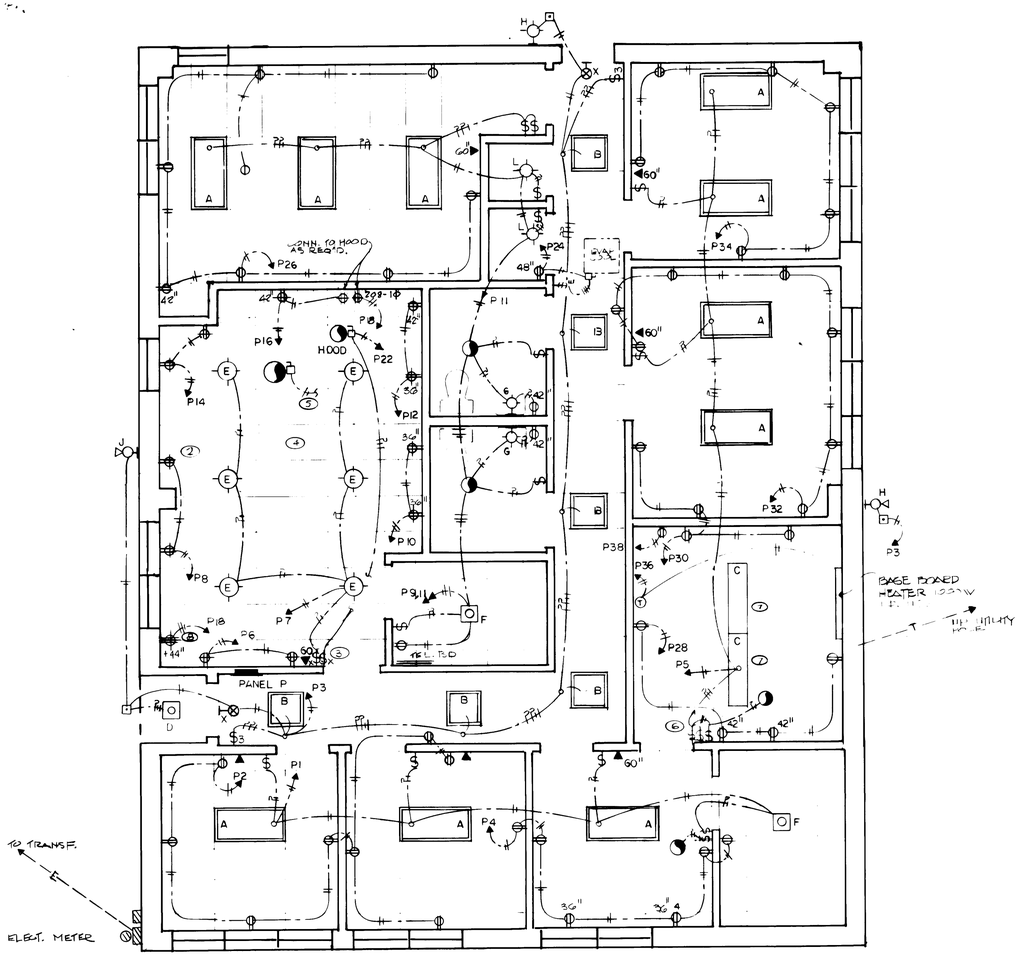
TITLE: DRAINAGE & GRADING DETAILS
MONTESSA PARK RENOVATION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

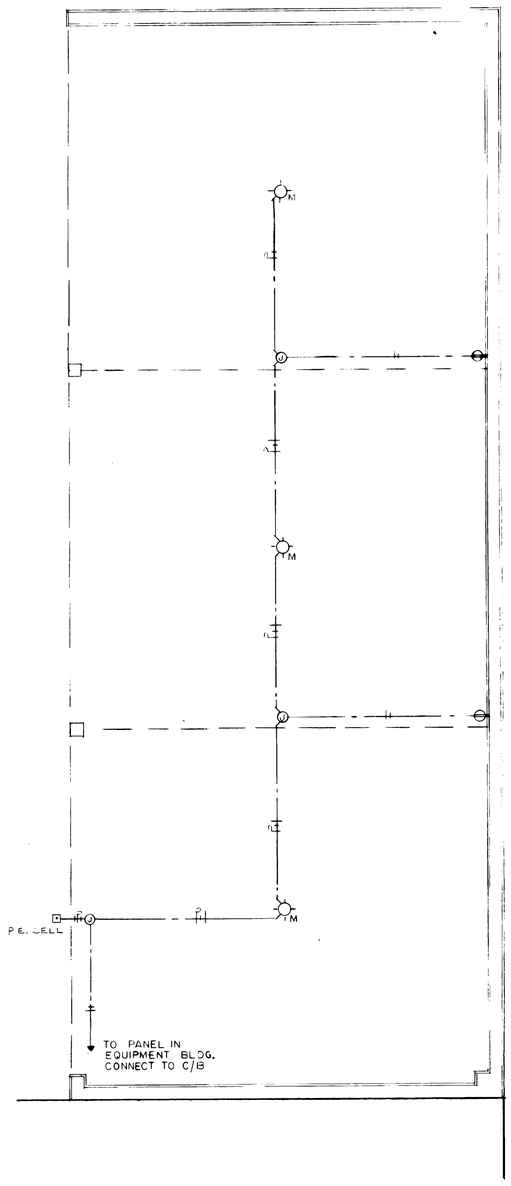
DRAWING NO. 2807 | MAP NO. P-17 | SHEET D2 OF 2

N18931

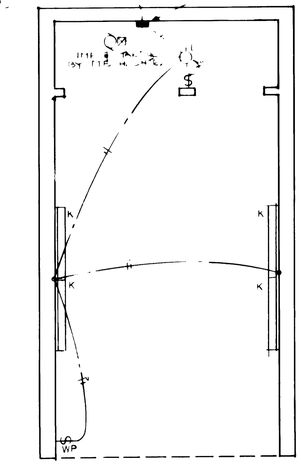
86-376



ELECTRICAL LAYOUT — LAB
1/4"=1'0"



ELECTRICAL—TRUCK SHED
1/4"=1'0"



ELECTRICAL—WASH
1/4"=1'0"

LIGHT FIXTURES

A	LITHONIA	#2GT-440-A12-120V	4-F40 CWX	REC. GRID
B	LITHONIA	2GS-2U40-A12-120V	2-UF40 CWX	REC. GRID
C	BENJAMIN	FE-1524-4-120V/DIM BAL.	2-F40 CWX	CLG. SURF.
D	PROGRESS	P6985	1-50W HPS	REC. CLG.
E	APPLETON	AP-1550/AARW-15ST	1-200W IF	STEM
F	PROGRESS	P2-TG/P6640-29	1-100W IF	REC. CLG.
G	PROGRESS	P3030	2-75W IF	WALL 7'
H	HUBBELL	NRG-301/PC-120	1-50W HPS	WALL 10'
J	HUBBELL	PVL-01503-1120/PBT-1	1-150W HPS	WALL 11'±
K	MARCO	NPS-20ES/NPS-2EF	2-F40 CW	WALL 8'±
L	HUBBELL	VB-150	1-100W IF	CLG. SURF.
M	PROGRESS	P5694/P8600	1-9W PL9	CLG. SURF.
X	DUALITE	X2100		WALL 7'4"±

26 28071788

APPROVAL OF AS BUILT DRAWINGS
Russell B. Lind
DATE 1-12-88

M-1986

RECORD DRAWING

ELECTRICAL PLANS
OFFICE/LAB BUILDING
TRUCK SHED
CAR WASH

DATE: 10-15-86
REV.:

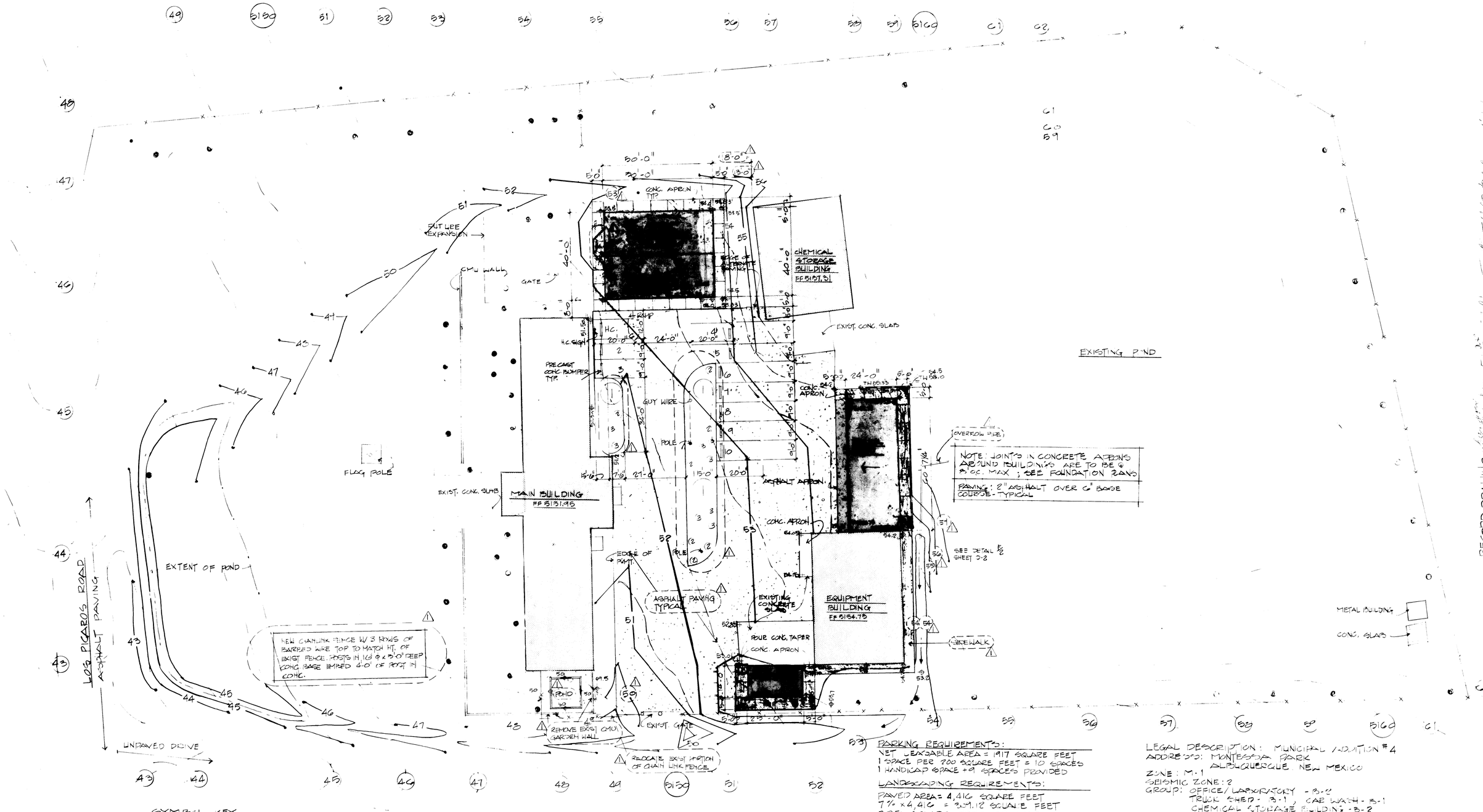
PROJECT NUMBER 2807

SHEET 16 OF 17

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montgomery Drive NE
Albuquerque, NM 87108
505/265-5560

E 1



PARKING REQUIREMENTS:
NET LEASABLE AREA = 1917 SQUARE FEET
1 SPACE PER 200 SQUARE FEET = 10 SPACES
1 HANDICAP SPACE + 9 SPACES PROVIDED

LANDSCAPING REQUIREMENTS:
PAVED AREA = 4,416 SQUARE FEET
7% x 4,416 = 309.12 SQUARE FEET
323 SQUARE FEET PROVIDED
ALTERNATE PAVED AREA = 7,401 SQUARE FEET
7% x 7,401 = 523 SQUARE FEET
530 SQUARE FEET PROVIDED

LEGAL DESCRIPTION: MUNICIPAL ADDITION #4
ADDRESS: MONTESSA PARK
ALBUQUERQUE, NEW MEXICO
ZONE: M-1
SEISMIC ZONE: 2
GROUP: OFFICE/LABORATORY - B-2
TRUCK SHED - B-1, CAR WASH - B-1
CHEMICAL STORAGE BUILDING - B-2
EQUIPMENT BUILDING - H-4, MAX BUILDING HT. 1'-6"
TYPE: OFFICE/LABORATORY - V-N
TRUCK SHED - V-N W/1 HR. WALL OCCUPANCY SEPARATION
CAR WASH - V-N
AREA: OFFICE/LABORATORY: 2,000 SQUARE FEET
TRUCK SHED: 1,484.5 SQUARE FEET
CAR WASH: 330 SQUARE FEET
SOIL BEARING: 1,500 P.S.F. @ OFFICE/LABORATORY
1,000 P.S.F. @ TRUCK SHED & CAR WASH
CONCRETE: 3000 PSI
STEEL: F_y = 36 KSI
WIND LOAD: 25 PSF
ROOF LIVE LOAD: 20 PSF

26 28070488

1-12-88

RECORD DRAWING

STATE OF NEW MEXICO
ETHEL Z. KOLLOMEX
No. 1512
REGISTERED ARCHITECT

APPROVALS		DATE
City Engineer		
A.C.E. Director		
A.C.E. Environmental		

APPROVALS		DATE
Engineer	N.A.	
Land Division		
Traffic		
Water	N.A.	

DRAWING NO. 2807 — MAP NO. — SHEET 3 OF 17

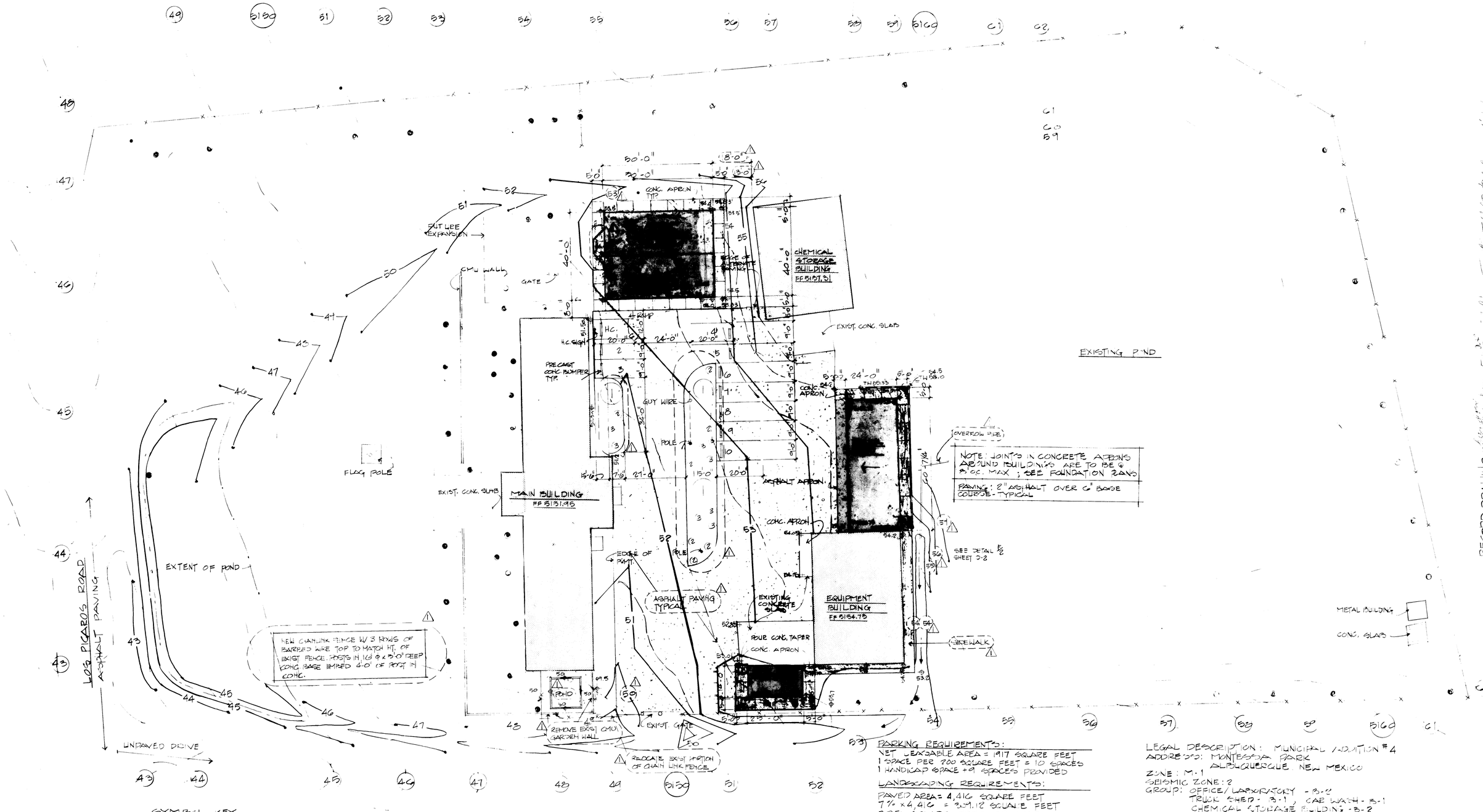
DATE: 10-15-86
REV: 01-13-87

SITE PLAN
LANDSCAPE PLAN
ROOF PLAN

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87108
505/265-8550

A1



PARKING REQUIREMENTS:
NET LEASABLE AREA = 1917 SQUARE FEET
1 SPACE PER 200 SQUARE FEET = 10 SPACES
1 HANDICAP SPACE + 9 SPACES PROVIDED

LANDSCAPING REQUIREMENTS:
PAVED AREA = 4,416 SQUARE FEET
7% x 4,416 = 309.12 SQUARE FEET
323 SQUARE FEET PROVIDED
ALTERNATE PAVED AREA = 7,401 SQUARE FEET
7% x 7,401 = 523 SQUARE FEET
530 SQUARE FEET PROVIDED

LEGAL DESCRIPTION: MUNICIPAL ADDITION #4
ADDRESS: MONTESSA PARK
ALBUQUERQUE, NEW MEXICO
ZONE: M-1
SEISMIC ZONE: 2
GROUP: OFFICE/LABORATORY - B-2
TRUCK SHED - B-1, CAR WASH - B-1
CHEMICAL STORAGE BUILDING - B-2
EQUIPMENT BUILDING - H-4, MAX BUILDING HT. 1'-6"
TYPE: OFFICE/LABORATORY - V-N
TRUCK SHED - V-N W/1 HR. WALL OCCUPANCY SEPARATION
CAR WASH - V-N
AREA: OFFICE/LABORATORY: 2,000 SQUARE FEET
TRUCK SHED: 1,484.5 SQUARE FEET
CAR WASH: 330 SQUARE FEET
SOIL BEARING: 1,500 P.S.F. @ OFFICE/LABORATORY
1,000 P.S.F. @ TRUCK SHED & CAR WASH
CONCRETE: 3000 PSI
STEEL: F_y = 36 KSI
WIND LOAD: 25 PSF
ROOF LIVE LOAD: 20 PSF

26 28070488

1-12-88

RECORD DRAWING

STATE OF NEW MEXICO
ETHEL Z. KOLLOMEX
No. 1512
REGISTERED ARCHITECT

APPROVALS		DATE
City Engineer		
A.C.E. Director		
A.C.E. Environmental		

APPROVALS		DATE
Engineer	N.A.	
Land Division		
Traffic		
Water	N.A.	

DRAWING NO. 2807 — MAP NO. — SHEET 3 OF 17

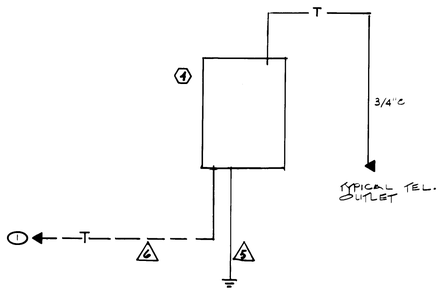
DATE: 10-15-86
REV: 01-13-87

SITE PLAN
LANDSCAPE PLAN
ROOF PLAN

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

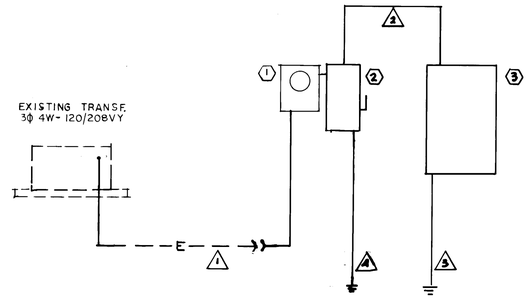
METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87108
505/265-8550

A1



TELEPHONE RISER DIAGRAM

NTS

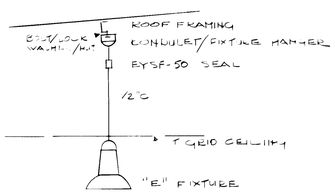


POWER RISER DIAGRAM

NTS

FIXTURE "E" DETAIL

NTS



PANEL P SCHEDULE

1	LTS - OFFICES/SEQ.	20	20	CO - [illegible]	2
3	- HALL/OUTSIDE	20	20	- " /LTG.	4
5	- OFF/MOS. LAB	20	20	- FUSE LAB	6
7	- PLG. LAB	20	20	- " "	8
9	- RRMS/SEQ	20	20	- " "	10
11	- CORR/DINN	20	20	- " "	12
13	SPARE	20	20	- " "	14
15	"	20	20	- " "/HOOD	16
17	"	20	20	- " HOOD/LAB	18
19	"	20		- " " "	20
21	"	20	20	- HOOD EXH	22
23	SPACE	—	20	- FURN/AC	24
25	"	—	20	- COMP.	26
27	"	—	20	- MOS. LAB	28
29	"	—	20	- " "/OFF	30
31	"	—	20	- OFFICE	32
33	"	—	20	- OFFICE	34
35	"	—	20	- BR. HTR	36
37	"	—	20	- [illegible]	38
39	"	—	—	- SPACE	40

A B C N

ELECTRICAL EQUIPMENT

(1) ELECTRIC METER, 3Ø, 200A, PER P.N.M. DWG. 05-19-11.4

(2) MAIN DISCONNECT SWITCH, 4W, S/N, 240V, 100A, NEMA-3R, HEAVY DUTY TYPE, FUSED. USE TYPE "FRN-100" FUSES.

INSTALL SQ-D, TYPE #J9200-9A, SURGE PROTECTOR INTO DISCONNECT OR PANEL P.

(3) PANEL P
3Ø4W, 120-208VY, 200A BUS, M.L.O., FLUSH MTD. SQ-D, TYPE "QO" WITH 10,000AIC BREAKERS. SEE PANEL SCHEDULE.

(4) TELEPHONE TERMINAL BOARD, 3'x4'x3/4" PLYWOOD.

△1 4 #1-THW-CU-2"C.

△2 4 #1-THW-CU-2"C.

△3 1 #4-CU TO C.W.P.

△4 1 #4-CU-½"C. TO GND. ROD 5/8"x8' CU-CLAD

△5 1 #4-CU TO C.W.P.

ELECTRICAL DATA

1. ESTIMATED NEW CONNECTED LOAD: 21 KW

ESTIMATED NEW DEMAND LOAD: 10 KW

KEYED NOTES

(1) 1½" C. OUT TO AND UP UTILITY POLE. VERIFY EXACT LOCATION.

(2) APPLETON TYPE #EHRA-56/EHXA-DK RECEPTACLE FLUSH IN WALL TYPICAL OF ALL. CONTRACTOR TO FURNISH 5 EACH, APPLETON #EHF-56 PLUGS.

(3) APPLETON #EFS-175-F1, 1P SWITCH FLUSH IN WALL.

(4) PLAGUE LAB AREA WIRED PER N.E.C. ART. 501 FOR CLASS I DIVISION II.

(5) INTERLOCK EXHAUST FAN WITH FURNACE. PROVIDE RELAY AS REQUIRED.

(6) AT THIS LOCATION INSTALL ONE EACH TIMER, FLUORESCENT DIMMER AND 1P SWITCH:
1 -TORK #7200Z-L-FL1
1 -LUTRON #FD-12 (FLUOR. DIMMER)
1 -1P SW

(7) INSTALL DIMMING FLUORESCENT BALLAST IN FIXTURE TYPE "C". (ADVANCE #240-H OR EQUAL)

(8) APPLETON #EHR-3023/CPP-3023C

SYMBOLS

SWITCH, 1P, 20A SPEC. GRADE	UP 52"
SWITCH, 2P, 20A SPEC. GRADE	UP 52"
SWITCH, EXPLOSION PROOF	UP 52"
SWITCH, 3W, 20A, SPEC. GRADE	UP 52"
DUPLEX OUTLET, 15A, SPEC. GRADE	UP 18"
OUTLET, EXPLOSION PROOF	UP 18"
JUNCTION BOX	
EXIT LIGHT	
EMERGENCY LIGHT	
LIGHT FIXTURE, CEILING SURFACE MTD.	
LIGHT FIXTURE, WALL MTD.	
LIGHT FIXTURE, RECESSED IN CEILING	
LIGHT FIXTURE, FLUSH IN CLG. GRID	
DISCONNECT SWITCH, FUSED	
MOTOR STARTER/CONTACTOR	
CIRCUIT BREAKER PANEL	
TELEPHONE TERMINAL BOARD	
TELEPHONE OUTLET	UP 18"
PHOTO CELL	
CONDUIT AND WIRE IN WALL AND CEILING	
CONDUIT AND WIRE UNDERGROUND	
CONDUIT AND WIRE HOME RUN TO PANEL	
—E— ELECTRICAL CONDUIT	
—T— TELEPHONE CONDUIT	
DUPLEX OUTLET FLUSH IN CEILING	

ELECTRICAL NOTES

1. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND TYPE OF EQUIPMENT, CONNECTIONS AND CONTROLS REQUIRED FOR ALL MECHANICAL AND PLUMBING EQUIPMENT. THEN PROVIDE ALL LABOR, MATERIALS AND CONTROLS TO MAKE A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE ALL TESTING AS MAY BE REQUIRED.

2. CONTRACTOR IS REQUIRED TO INSTALL, CONNECT, FURNISH MATERIALS AND MAKE OPERATIONAL THOSE ITEMS NOT SHOWN OR IMPLIED ON THE CONSTRUCTION DRAWINGS, BUT ARE REQUIRED UNDER OTHER SECTIONS OF THE SPECIFICATIONS AND DRAWINGS.

3. DO NOT SCALE DRAWINGS FOR EXACT LOCATIONS. USE ONLY THE ARCHITECTURAL DIMENSIONS.

4. ALL MOTORS AND MECHANICAL EQUIPMENT SHALL BE CONNECTED WITH FLEX CONDUIT. USE WEATHERPROOF FLEX IN WET OR DAMP LOCATIONS.

5. ANY DISCREPANCIES NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, FOR RESOLUTION PRIOR TO INSTALLATION OF THAT SPECIFIED EQUIPMENT.

6. THE ELECTRICAL LAYOUT IS DIAGRAMMATICAL ONLY. THE CONTRACTOR MAY VARY THE BRANCH CIRCUIT WIRING AS NECESSARY TO MEET ACTUAL FIELD CONSTRUCTION REQUIREMENTS.

Remove breaker
Install new breaker
Verify proper operation
Verified by [illegible] 1/29/88

Russell B. Sanchez
1-12-88

26 28071888

M-1986

RECORD DRAWING Based on [illegible]

ELECTRICAL NOTES
ELECTRICAL SCHEDULE
POWER RISER DIAGRAM
TELEPHONE RISER DIAGRAM

DATE: 10-15-86
REV.:

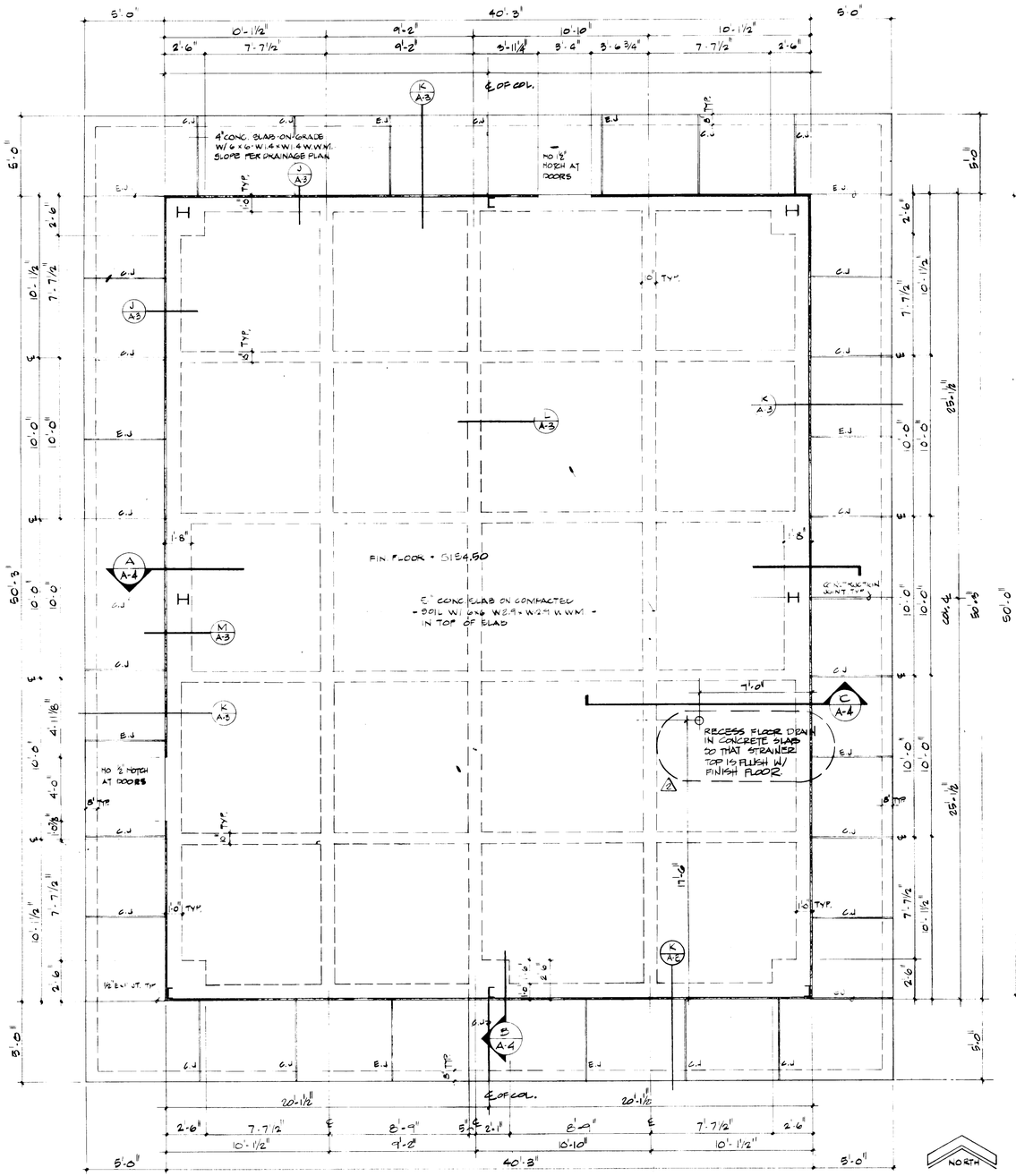
PROJECT NUMBER: 2807

SHEET 17 OF 17

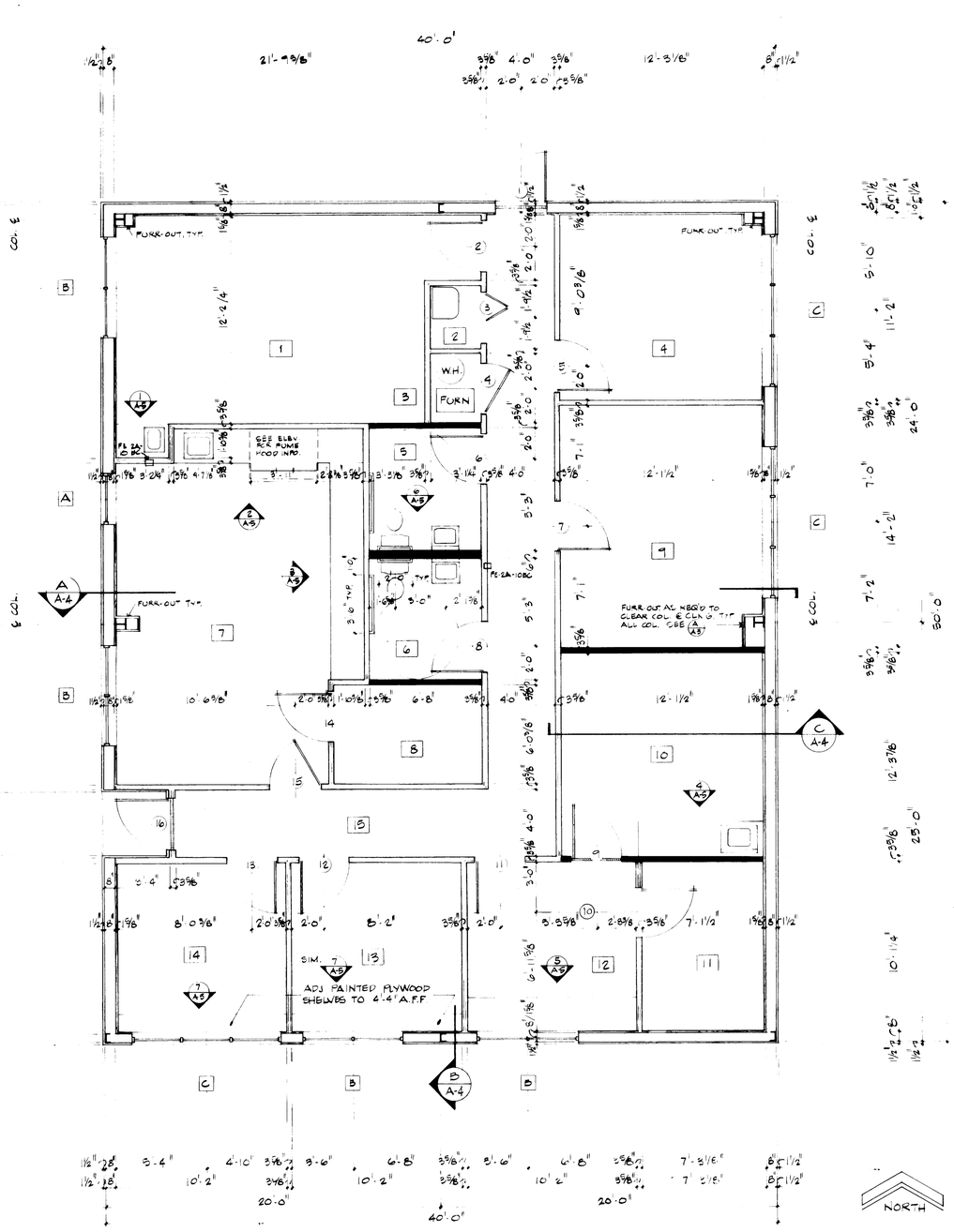
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECT, INC.
413 Montgomery Drive NE
Albuquerque, NM 87108
268/266-6860

E 2



FOUNDATION PLAN - OFFICE/LABORATORY 1/4" = 1'-0"



FLOOR PLAN - OFFICE/LABORATORY 1/4" = 1'-0"

LEGEND

- PRE-ENGINEERED METAL BLDG. PER BLDG. MFGR. W/ 5/8" 20 GA METAL STUDS @ 6'0.C. INTERIOR
- NON-LOAD BEARING PARTITION 20 GA. METAL STUDS @ 16" O.C.
- LOAD BEARING PARTITION 16 GA. METAL STUDS @ 16" O.C.

Russell B. Hirth
1-12-88

26 28070588

RECORD DRAWING

OFFICE, LABORATORY
FLOOR PLAN
FOUNDATION PLAN

DATE: 10 12 86
REV: 3/10/87
3/15/87

△1 FOUNDATION PLAN REVISED
△2 FLOOR DRAIN LOCATED IN FOUNDATION PLAN

PROJECT NUMBER 2807

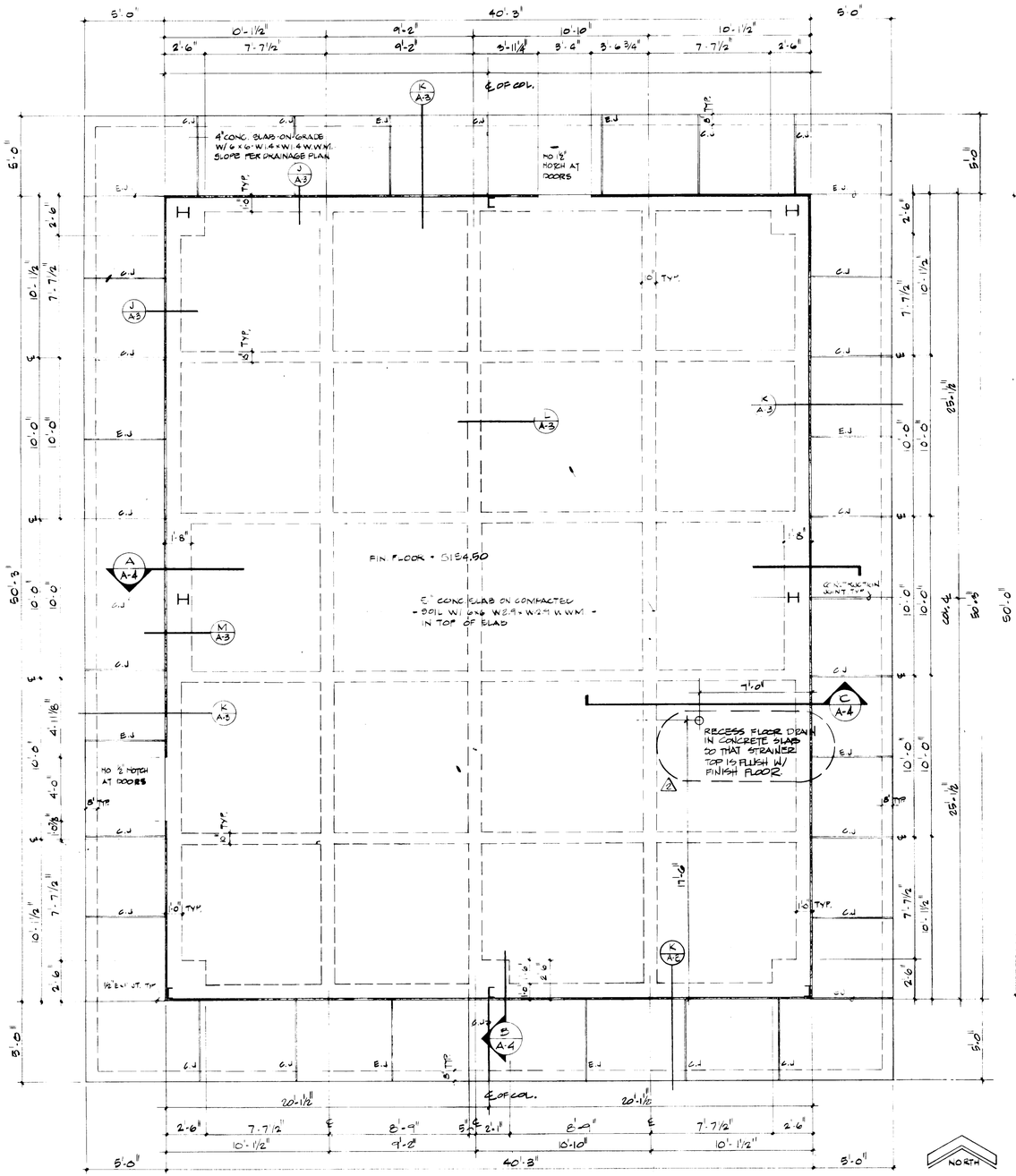
SHEET 4 of 17

STATE OF NEW MEXICO
RUSSELL B. HIRTH
ENGINEER
No. 1512
REGISTERED

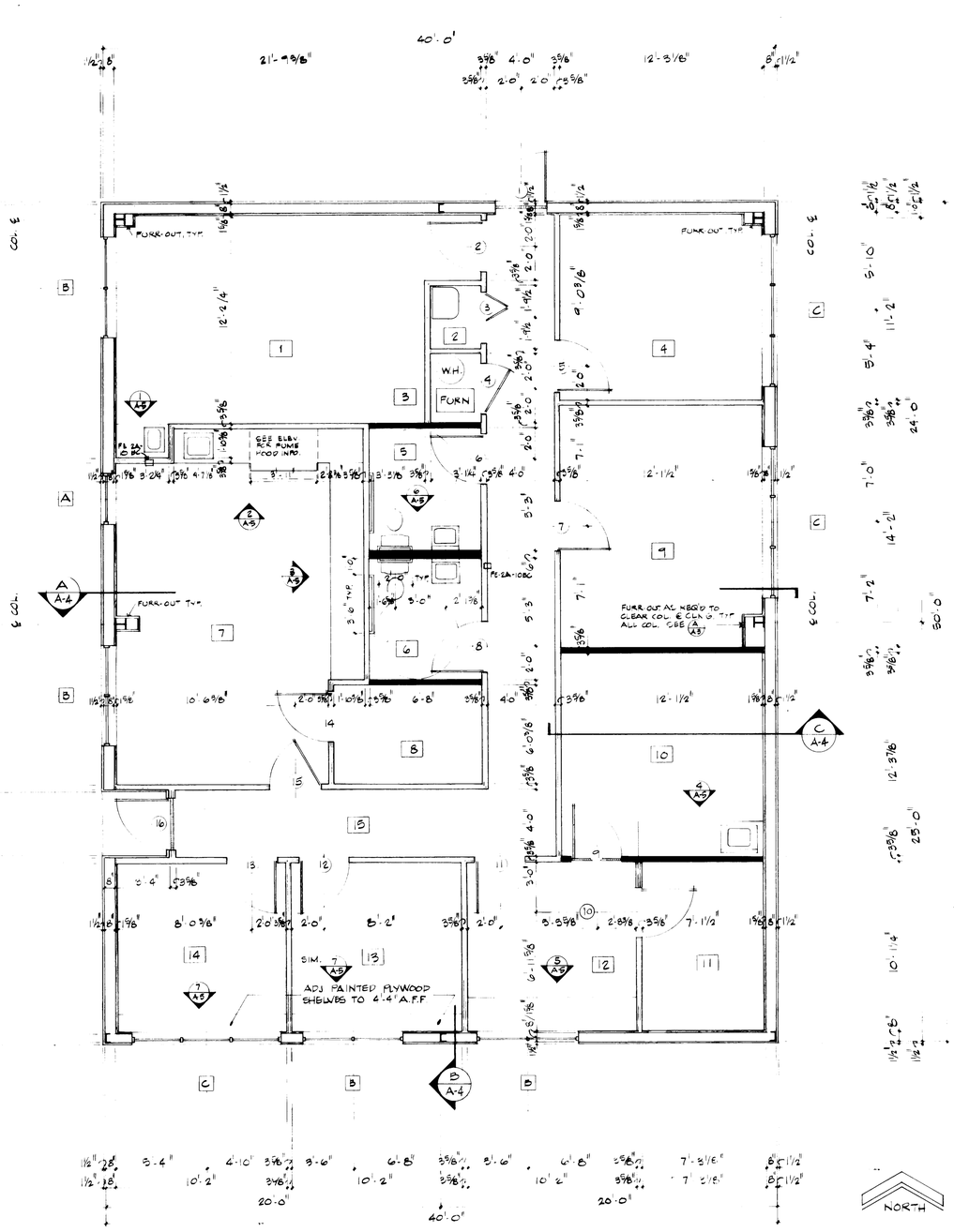
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP.
4113 Montgomery Drive NE
Albuquerque, NM 87109
505/883-8880

A2



FOUNDATION PLAN - OFFICE/LABORATORY 1/4" = 1'-0"



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- NON-LOAD BEARING PARTITION 20 GA. METAL STUDS @ 16" O.C.
- LOAD BEARING PARTITION 16 GA. METAL STUDS @ 16" O.C.

Russell B. Hirth
1-12-88

26 28070588

RECORD DRAWING

OFFICE, LABORATORY
FLOOR PLAN
FOUNDATION PLAN

DATE: 10 12 86
REV: 3/10/87
3/15/87

△1 FOUNDATION PLAN REVISED
△2 FLOOR DRAIN LOCATED IN FOUNDATION PLAN

PROJECT NUMBER 2807

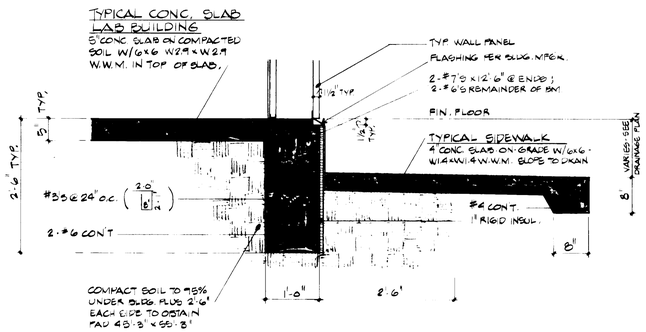
SHEET 4 of 17

STATE OF NEW MEXICO
RUSSELL B. HIRTH
ENGINEER
No. 1512
REGISTERED

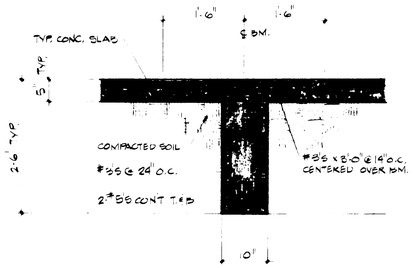
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP.
4113 Montgomery Drive NE
Albuquerque, NM 87109
505/883-8880

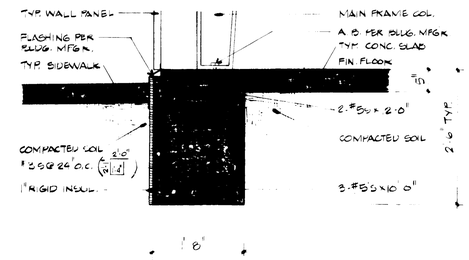
A2



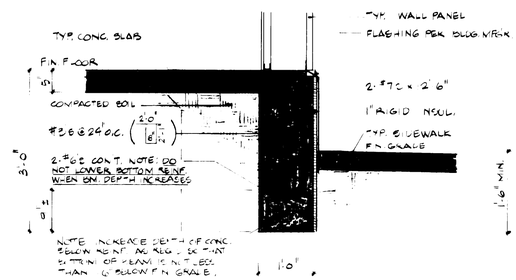
K A-2 PERIMETER GRADE BEAM 3/4" = 1'-0"



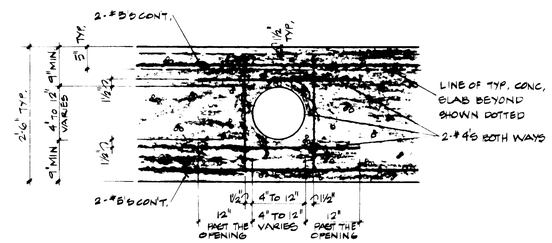
L A-2 INTERIOR GRADE BEAM 3/4" = 1'-0"



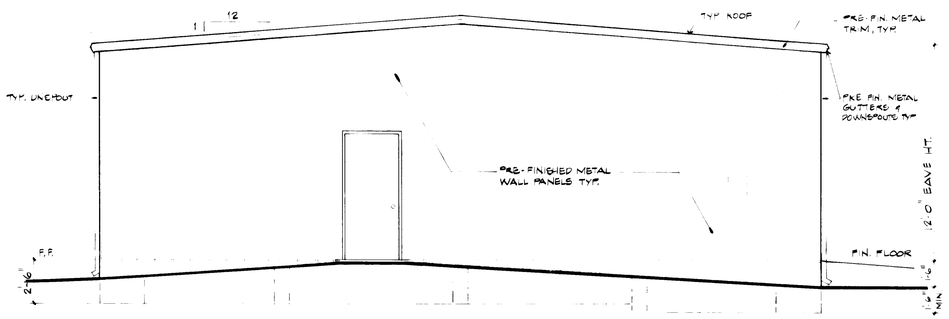
M A-2 PERIM. GRADE BEAM @ MAIN FRAME COL. 3/4" = 1'-0"



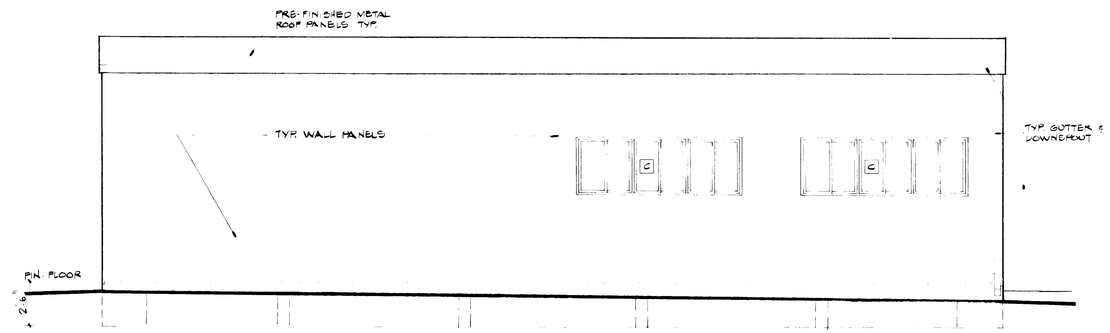
J A-2 PERIM. GRADE BEAM @ N.W. CORNER 3/4" = 1'-0"



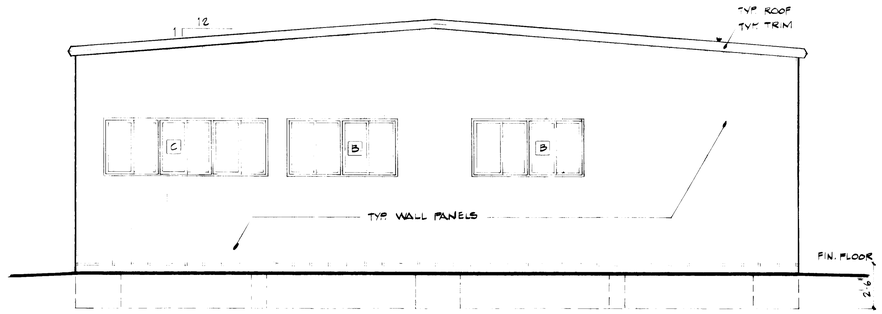
INTERIOR GRADE BEAM DUCT PENETRATION DETAIL 3/4" = 1'-0"



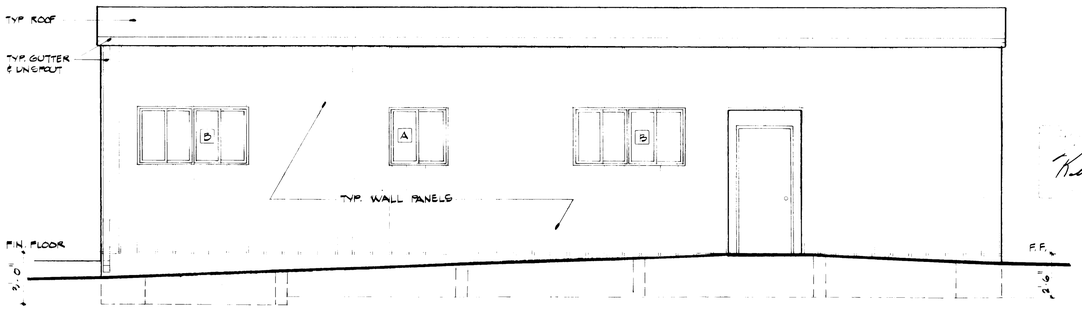
NORTH ELEVATION 1/4" = 1'-0"



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



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



Russell B. Fisher 1-12-88

26 28070688

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

RECORD DRAWING Based on information as provided by Contractor Jerry Gill of Albuquerque 1/88

STATE OF NEW MEXICO ETHEL Z. KOLODNER No. 1512 REGISTERED ARCHITECT

OFFICE/LABORATORY BUILDING
FOUNDATION DETAILS
ELEVATIONS

DATE 10-15-86
REV. △ 10-12-87

PROJECT NUMBER 2807 SHEET 5 OF 17

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
4113 Montgomery Drive, NE
Albuquerque, New Mexico 87109
505/884-8820

A3

SPECIFIC NOTES - MECHANICAL

1. (FR), 10" X 2", 50 CFM.
2. (FR), 14" X 2", 100 CFM.
3. (FR), 10" X 4", 125 CFM.
4. (FR), 12" X 4", 150 CFM.
5. (CD), 6" DIA. NECK, 100 CFM, 12" X 12" FACE.
6. (CD), 8" DIA. NECK, 300 CFM, 24" X 24" FACE.
7. (CD), 8" DIA. NECK, 400 CFM, 24" X 24" FACE.
8. (CD), 8" DIA. NECK, 425 CFM, 24" X 24" FACE.
9. (CD), 10" DIA. NECK, 500 CFM, 24" X 24" FACE.
10. (CD), 10" DIA. NECK, 650 CFM, 24" X 24" FACE.
11. (CD), 14" DIA. NECK, 950 CFM, 24" X 24" FACE.
12. 12" X 12" (RA) IN CEILING.
13. CONCRETE PLENUM BELOW FURNACE, SAME SIZE AS FURNACE OUTLET. RETURN AIR PLENUM UP FROM TOP OF FURNACE INTO CEILING SPACE. SEE INSTALLATION DETAIL.
14. EVAPORATIVE COOLER ON ROOF. SEE INSTALLATION DETAIL.
15. 20" X 20" SUPPLY DUCT DOWN THRU ROOF INTO CEILING SPACE.
16. 4" DIA. EXHAUST DUCT UP THRU ROOF TO WEATHER CAP.
17. COORDINATE UNDERFLOOR DUCTWORK WITH WASTE PIPING.
18. THERMOSTATICALLY CONTROLLED AIR VOLUME DAMPER.
19. DUCT DOWN FROM FAN INLET TO 12" X 12" RA IN CEILING.
20. 16" X 4" COMBUSTION AIR DUCT FROM GOOSENECK ABOVE ROOF DOWN TO 12" AFF.
21. INTERLOCK EXHAUST FAN WITH FURNACE MOTOR.
22. MOUNT EXHAUST FAN ON ROOF AND CONNECT TO EXHAUST HOOD IN ROOM BELOW. EXHAUST FAN TO BE SUPPLIED WITH HOOD. VERIFY ALL CONNECTIONS AND MOUNTING REQUIREMENTS.
23. CONNECT WATER HEATER FLUE AND FURNACE FLUE TO SINGLE 5" DIA. FLUE AND EXTEND THRU ROOF TO WEATHER CAP.
24. MOUNT HUMIDIFIER AT 84" AFF.

EQUIPMENT SCHEDULE

(1) FURNACE: AGA APPROVED, NATURAL GAS FIRED, DOWN FLOW FURNACE ORFICED FOR 5000' ELEVATION. UNIT SHALL HAVE MULTI-SPEED, DIRECT DRIVE FAN AND SPEED TAP SELECTOR, PRINTED CIRCUIT CONTROL CENTER, SOLID STATE BLOWER CONTROL, CROSS-PORT DESIGN BURNERS FABRICATED FROM ALUMINIZED STEEL, ELECTRIC SPARK PILOT, 115 V - 1 PH ELECTRICAL, LIMIT CONTROLS AND GAS TRAIN, TRANSFORMER, HEATING THERMOSTAT, AND 1" THICK THROWAWAY FILTERS. MODEL NUMBERS ARE PAYNE.

SYMBOL	MODEL	CFM	ESP	HP	BTUH INPUT
(1)	396G048100	1350	.6"	1/2	100,000

(2) EVAPORATIVE COOLER: DRIP TYPE, SIDE DISCHARGE COOLER WITH PADS, PUMP, FLOAT AND MAKE-UP ASSEMBLY, AND 26 GAUGE GALVANIZED STEEL COVERS. MOTORS SHALL BE TWO SPEED AND THE CAPACITIES ARE CERTIFIED. MODEL NUMBERS ARE McGRAW-EDISON.

SYMBOL	MODEL	CFM	ESP	HP	VOLTS	PH	WEIGHT
(2)	ES630	4000	.3"	3/4	115	1	400

(3) EXHAUST FAN: ROOF MOUNTED, DIRECT DRIVEN, CENTRIFUGAL TYPE EXHAUST FAN. PROVIDE WITH BACKDRAFT DAMPER, BIRD SCREEN AND UNIT MOUNTED DISCONNECT SWITCH. MODEL NUMBERS ARE GREENHECK.

SYMBOL	MODEL NO.	CFM	ESP	VOLTS	PH	HP
(3)	G-65-D	230	.125	115	1	1/30

(4) EXHAUST FAN: ROOF MOUNTED, DIRECT DRIVEN, CENTRIFUGAL TYPE EXHAUST FAN WITH NON SPARKING CONSTRUCTION AND EXPLOSION PROOF MOTOR. PROVIDE WITH BACKDRAFT DAMPER, BIRD SCREEN AND UNIT MOUNTED DISCONNECT SWITCH. MODEL NUMBERS ARE GREENHECK.

SYMBOL	MODEL NO.	CFM	ESP	VOLTS	PH	HP
(4)	G-75-D	375	.125	115	1	1/25

(5) HUMIDIFIER: SELF CONTAINED ELECTRODE STEAM HUMIDIFIER. UNIT SHALL HAVE A CAPACITY OF 10 LBS/HR OF STEAM. UNIT SHALL HAVE CONDUCTIVITY SENSOR, WATER LEVEL SENSOR, INTERNAL OVERLOAD PROTECTION, AUTOMATIC CYLINDER FLUSHING, LOCKING STEEL CABINET, AND ROOM DIFFUSION UNIT. THE UNIT SHALL BE PROVIDED WITH L.E.D. DISPAYS TO INDICATE THE FOLLOWING: PERCENT OF SET POINT, FILL, DRAIN AND CYLINDER FULL, AND FAULT. ELECTRICAL - 220 V - 1 PH, 3.3 KW. HERRMIDIFIER MODEL EST 220110.

(6) EXHAUST FAN: CEILING MOUNTED, DIRECT DRIVE, CENTRIFUGAL TYPE EXHAUST FAN WITH 1/2" ACOUSTICAL LINER, BACKDRAFT DAMPER AND ALUMINUM INLET GRILLE. MODEL NUMBERS ARE GREENHECK.

SYMBOL	MODEL NO.	CFM	ESP	VOLTS	PH	HP
(6)	SP-8	90	.125	120	1	1/125

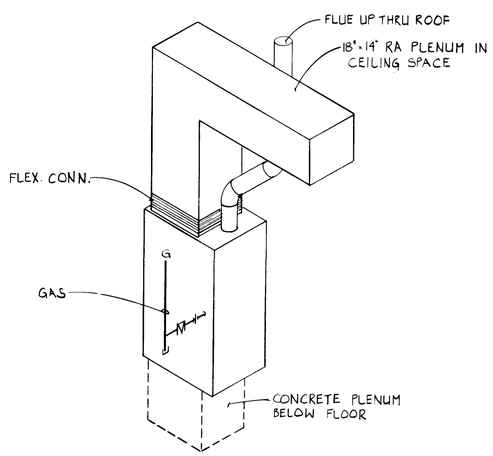
(7) ELECTRIC BASEBOARD HEATER: SEE ELECTRICAL PLANS

(8) EXHAUST FAN: SUPPLIED WITH LABORATORY HOOD.

(CD) CEILING DIFFUSER: KRUEGER 1400 SERIES WITH OBD, STEEL CONSTRUCTION AND OFF-WHITE FINISH.

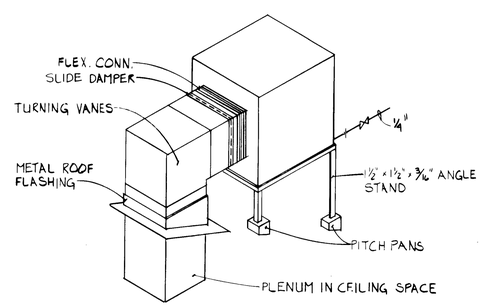
(RA) RETURN AIR GRILLE: KRUEGER EGC-5, WITH OFF-WHITE FINISH.

(FR) FLOOR REGISTER: KRUEGER 700 SERIES WITH OBD AND FACTORY BAKED BROWN FINISH.



FURNACE INSTALLATION SCHEMATIC

NO SCALE

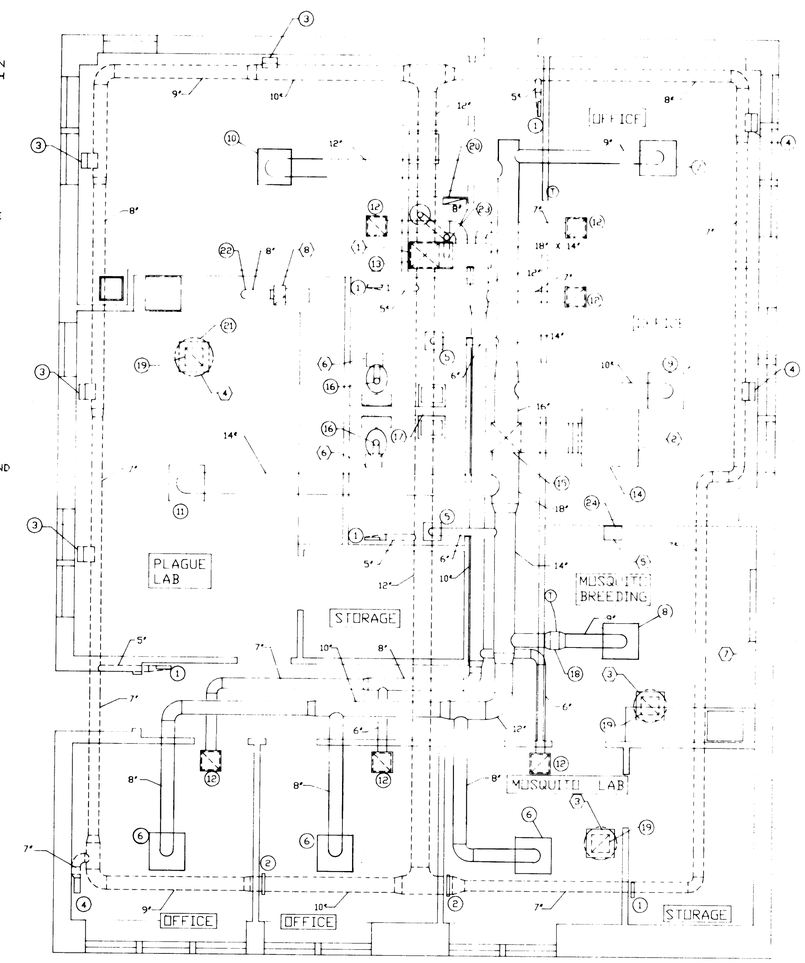


COOLER INSTALLATION SCHEMATIC

NO SCALE

LEGEND

- UNDERFLOOR DUCT
- ABOVE GROUND DUCT
- ROOFTOP EQUIPMENT



MECHANICAL PLAN

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

26 28071488

APPROVED AS BUILT DRAWINGS
CHIEF CONSTRUCTION INSPECTOR
Russell B. Hanks
1-12-88

RECORD DRAWING based on information furnished by the contractor as provided by the owner

OFFICE / LAB BUILDING
MECHANICAL PLAN
EQUIPMENT SCHEDULE
MECHANICAL NOTES

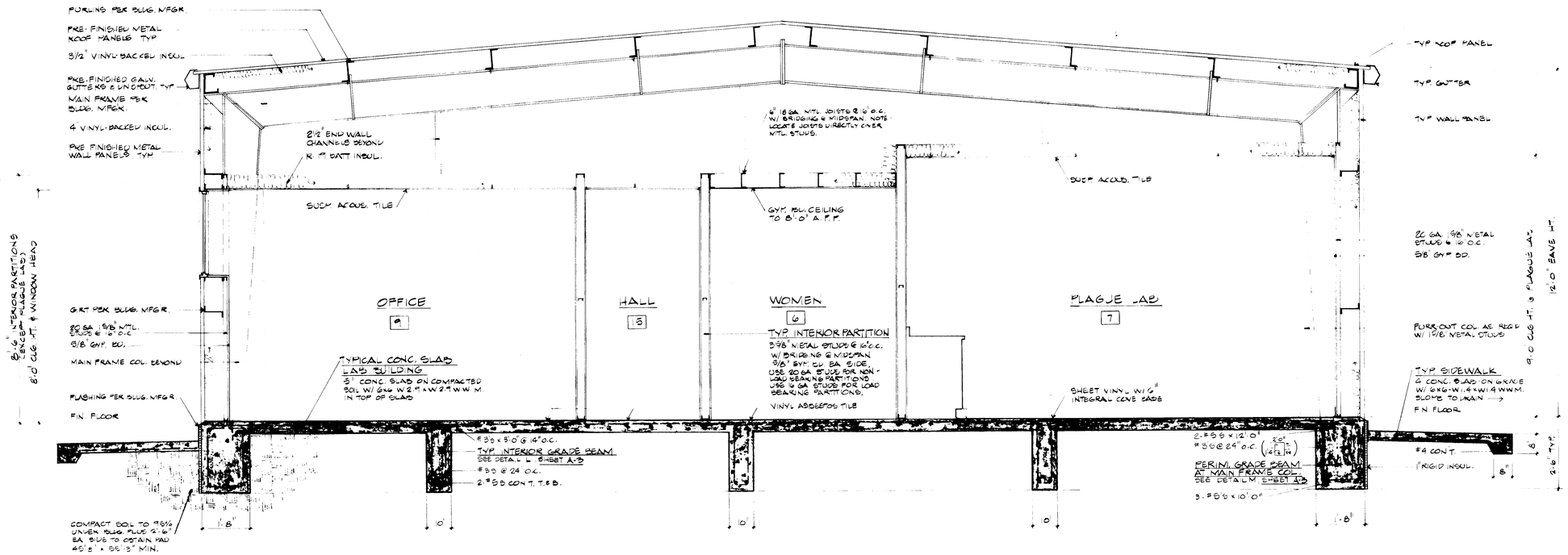
DATE: 04.5.86
REV.:

PROJECT NUMBER 2807 SHEET 13 OF 17

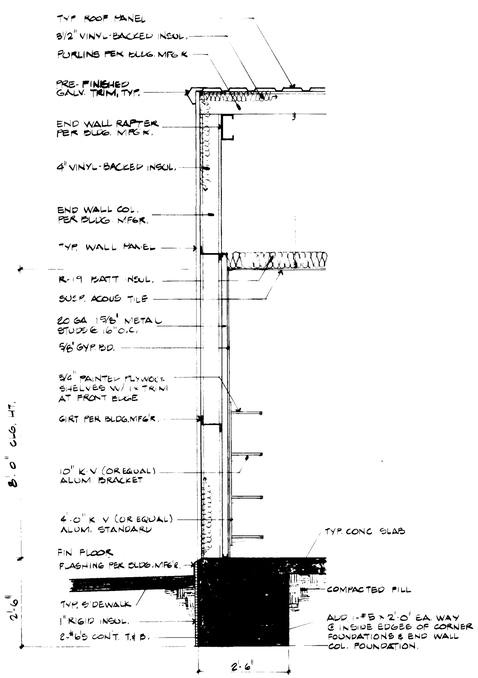
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87108
505/265-5550

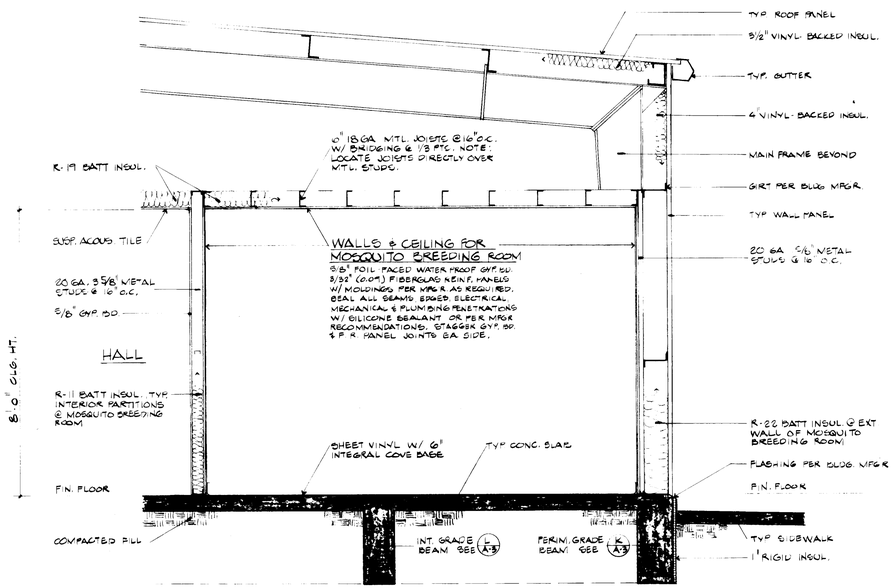
M2



A A-2 BUILDING SECTION - LAB 1/2" = 1'-0"



B A-2 SECTION - END WALL COL. 1/2" = 1'-0"



C A-2 MOSQUITO BREEDING ROOM 1/2" = 1'-0"

26 28070788

Approved
Russell B. Sirko
1-12-88

RECORD DRAWING

OFFICE / LAB BUILDING
SECTION A
SECTION B
SECTION C

DATE: 01/88
REV.:

PROJECT NUMBER 2807

SHEET 6 OF 17

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Monticello Drive NE
Albuquerque, NM 87108
505/266-8590

A4

STATE OF NEW MEXICO
ETHEL Z. RUDDOCK
No. 1512
REGISTERED
ARCHITECT
1/8/88

GENERAL NOTES

MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ROUGH-IN AND CONNECTION OF EQUIPMENT REQUIRING COLD WATER, HOT WATER, INDIRECT WASTE, DIRECT WASTE AND VENT, DRAIN PIPING AND GAS PIPING.

MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAPS, TAILPIECES, AND SUPPLIES FOR FINAL CONNECTION TO ALL EQUIPMENT.

COORDINATE ALL PIPING BELOW SLAB WITH STRUCTURAL DRAWINGS AND UNDERGROUND DUCTWORK.

ALL PIPING SHALL BE CONCEALED EXCEPT WHERE NOTED AND IN MECHANICAL ROOMS.

CARE SHALL BE TAKEN TO AVOID MECHANICAL DUCTWORK, ELECTRICAL EQUIPMENT AND AIR-HANDLING EQUIPMENT. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ROUTING OF PIPING WITH CEILING CONTRACTOR AND SHEETMETAL CONTRACTOR. RELOCATION OF PIPING REQUIRED DUE TO POOR CO-ORDINATION BY THIS CONTRACTOR SHALL BE AT THEIR OWN EXPENSE.

ALL TRENCHING AND BACKFILL FOR PIPING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

ALL PLUMBING AND MECHANICAL SYSTEMS SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND OSHA STANDARDS.

ALL WATER PIPING BELOW FLOOR SHALL BE TYPE "L" COPPER, NO JOINTS, WRAPPED COMPLETE WITH X-TRU-COAT OR WITH 2" WIDTH OF #101 SCOTCHWRAP TAPE.

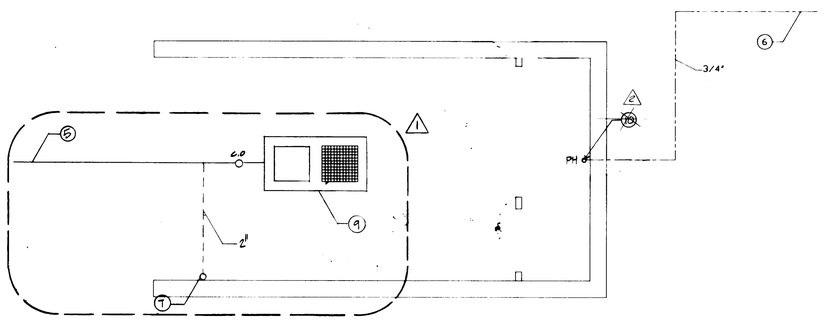
CONNECT GAS LINES TO EACH PIECE OF GAS FIRED EQUIPMENT WITH GAS COCK, UNION, DIRT LEG, AND FLEXIBLE CONNECTION.

CAULK ALL OPENINGS INTO MOSQUITO BREEDING ROOM AIR TIGHT.

SPECIFIC NOTES - WASTE PIPING

1. SEE SITE PLAN FOR CONTINUATION.
2. 1 1/2" VENT FROM FLOOR DRAIN UP IN WALL TO ABOVE CEILING.
3. 2" VTR.
4. 3" VTR.
5. ROUTE 4" WASTE LINE FROM SAND TRAP TO DISPOSAL POND. SEE SITE PLAN FOR CONTINUATION.
6. 3 4" CW TO EXISTING EQUIPMENT BUILDING. SEE SITE PLAN FOR CONTINUATION.
7. 2" VENT LINE UP FROM BELOW GRADE AND UP ALONG WALL TO ABOVE ROOF.
8. ROUTE 3/4" COPPER DRAIN LINE ALONG WALL FROM HUMIDIFIER AND ELBOW DOWN INTO SINK.
9. SAND TRAP IN FLOOR. SEE DETAILS FOR CONSTRUCTION AND ARCHITECTURAL PLANS FOR EXACT LOCATION.

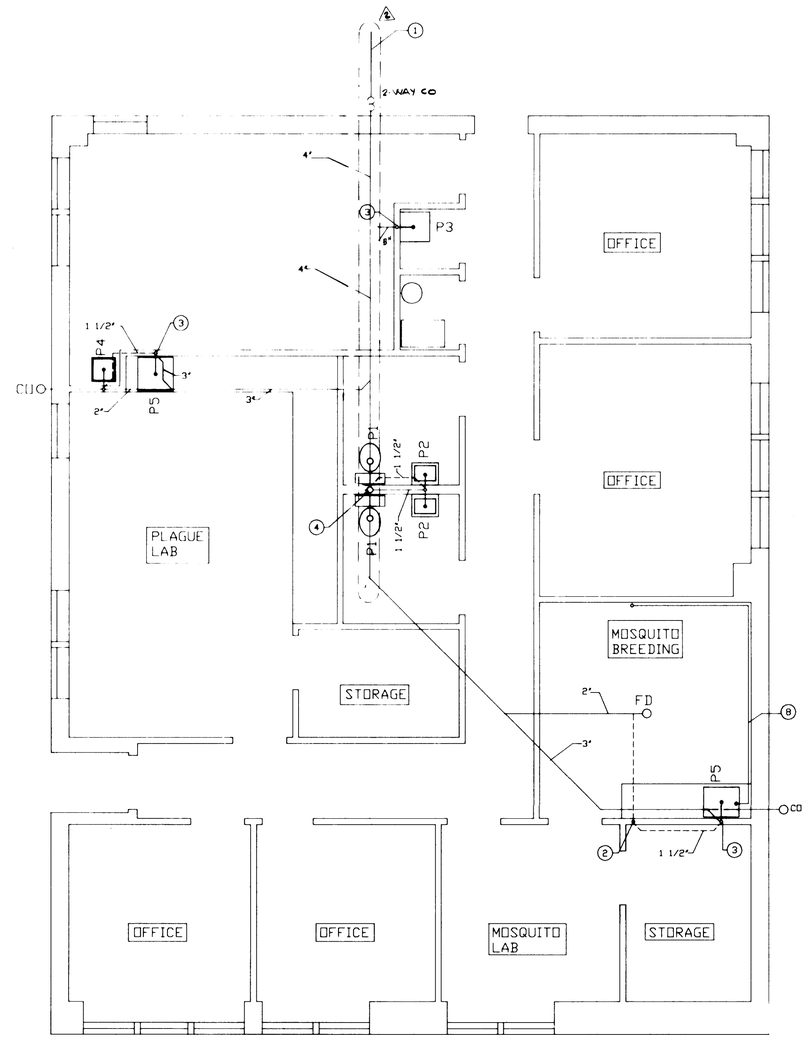
DELETE ~~10. PROVIDE 1 CU. FT. OF 3/4" DIRT GRAVEL AT BASE OF PH.~~



NOTE: PROVIDE AND INSTALL SWIVEL MOUNT FOR CAR WASH EQUIPMENT PER MANUFACTURER'S SPECS. CAR WASH EQUIPMENT BY OWNER.

CAR WASH PLAN

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



WASTE PIPING PLAN

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

APPROVAL OF AS BUILT DRAWINGS
Russell B. Sisler
1-19-88

26 28071588

RECORD DRAWING

WASTE PIPING PLANS
CAR WASH
OFFICE / LAB BUILDING

DATE: 01.15.86
REV.: 3.15.86
10.18.87

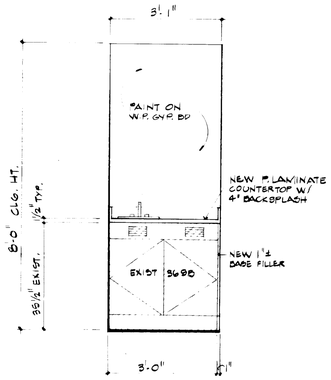
CARWASH SAND TRAP REVISED
WASTE LINE LOCATION, FIRST HYDRANT

PROJECT NUMBER 2807 SHEET 14 OF 17

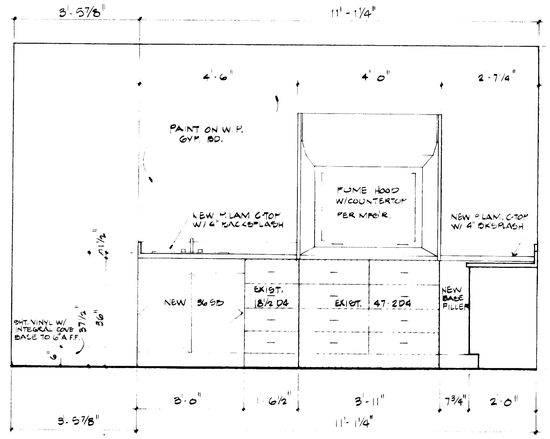
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Monclare Drive NE
Albuquerque, NM 87108
268/888-8880

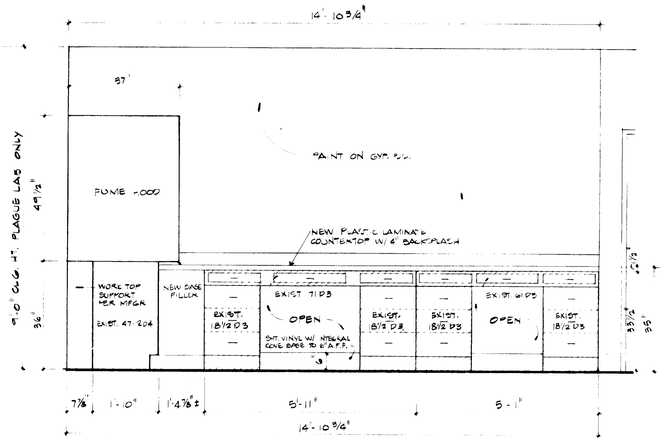
M3



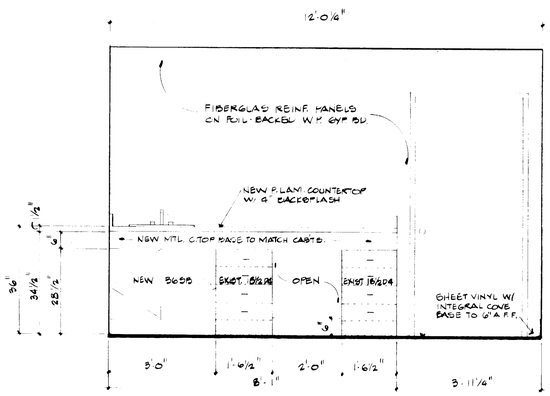
1 A-2 CONFERENCE ROOM 1/2"=1'-0"



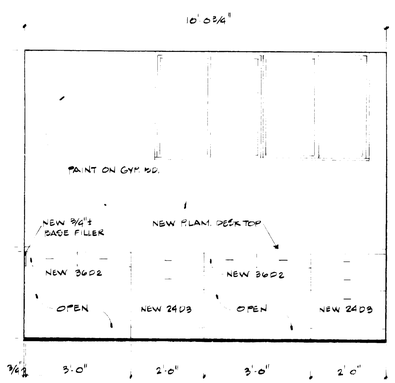
2 A-2 PLAGUE LAB - NORTH WALL 1/2"=1'-0"



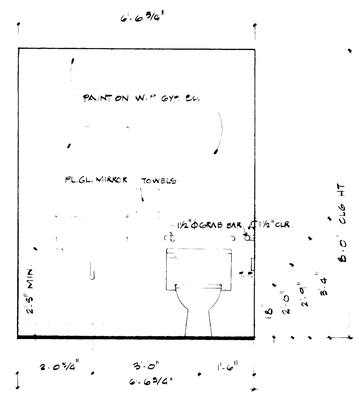
3 A-2 PLAGUE LAB - EAST WALL 1/2"=1'-0"



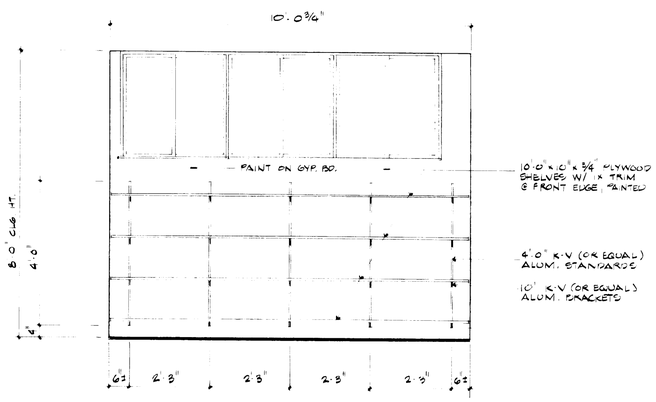
4 A-2 MOSQUITO BREEDING ROOM 1/2"=1'-0"



5 A-2 MOSQUITO LAB 1/2"=1'-0"



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



7 A-2 OFFICE 1/2"=1'-0"

NOTES:

1. DIMENSIONS GIVEN ON INTERIOR ELEVATIONS ARE FINISHED DIMENSIONS. VERIFY ALL DIMENSIONS IN THE FIELD.
2. VERIFY SIZE OF ALL EXISTING CABINETS TO BE REUSED.
3. ☐ ALL EXISTING METAL CABINETS TO BE REUSED SHALL BE CLEANED AND PAINTED.
4. NEW CAB. METS SHALL MATCH EXISTING.

ROOM FINISH SCHEDULE

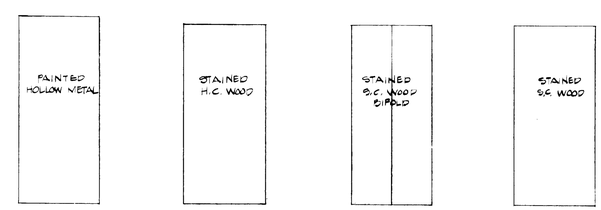
☐ ROOM	FLOOR: VAT-LE	FLOOR: SHEET VINYL	BASE: VINYL COVE	BASE: INTEGRAL COVE	WALL: PAINT ON GYP BD	WALL: PT. ON W.P. GYP BD	WALL: FR.P. ON W.P. GYP BD.	CEILING: PT. ON GYP. BD.	CEILING: SUSP. ACOUS. TILE	CEILING: FRP ON W.P. GYP BD	CEILING HT	REMARKS
1 CONFERENCE	●		●			●	●		●		8'-0"	
2 JANITOR CLO.	●		●			●		●				
3 FURNACE	●		●			●		●				
4 OFFICE	●		●			●			●			
5 MEN	●		●			●		●				
6 WOMEN	●		●			●		●				
7 PLAGUE LAB		●		●		●		●			9'-0"	
8 STORAGE	●		●			●			●		8'-0"	
9 OFFICE	●		●			●			●			
10 MOSQ. BREED.		●		●			●		●			
11 STORAGE	●		●			●			●			
12 MOSQUITO LAB	●		●			●			●			
13 OFFICE	●		●			●			●			
14 OFFICE	●		●			●			●			
15 HALL	●		●			●			●			

WINDOW SCHEDULE

☐	SIZE	FRAME	TYPE	GLAZING	REMARKS
A	3'-0" x 3'-0"	ALUM.	SLIDER	DOUBLE	PER BLDG. MFGR.
B	2 @ 3'-0" x 3'-0"	ALUM.	SLIDER	DOUBLE	PER BLDG. MFGR.
C	3 @ 3'-0" x 3'-0"	ALUM.	SLIDER	DOUBLE	PER BLDG. MFGR.

DOOR SCHEDULE

○ NO.	SIZE	TYPE	HARDWARE	FRAME	THRESHOLD	REMARKS
1	3'-0" x 7'-0" x 1 3/4"	A	1	*	●	* PER BLDG. MFGR.
2	3'-0" x 6'-8" x 1 3/4"	B	3	2" H.M.		
3	3'-0" x 6'-8" x 1 3/8"	C	2	WOOD		BI-FOLD
4	3'-0" x 6'-8" x 1 3/8"	D	5	2" H.M.		
5	3'-0" x 6'-8" x 1 3/4"	B	3			
6	3'-0" x 6'-8" x 1 3/8"	D	4			INSTALL SIGN
7	3'-0" x 6'-8" x 1 3/4"	B	3			
8	3'-0" x 6'-8" x 1 3/8"	D	4			INSTALL SIGN
9	3'-0" x 6'-8" x 1 3/4"	A	3		●	W/ DOOR BOTTOM SEAL
10	3'-0" x 6'-8" x 1 3/8"	C	5			
11	3'-0" x 6'-8" x 1 3/4"	B	5			
12	3'-0" x 6'-8" x 1 3/4"	B	3			
13	3'-0" x 6'-8" x 1 3/4"	B	3			
14	3'-0" x 6'-8" x 1 3/8"	B	5			
15	3'-0" x 6'-8" x 1 3/4"	B	3			
16	3'-0" x 7'-0" x 1 3/4"	A	1	*	●	* PER BLDG. MFGR.



TYPE A TYPE B TYPE C TYPE D

DOOR TYPES 3/8"=1'-0"

26 28070888

Russell B. Linke
DATE 1-12-88

STATE OF NEW MEXICO
ETHEL Z. ROLLOVER
No. 1512
REGISTERED ARCHITECT

RECORD DRAWING (as-built, revised from as-built drawings furnished by contractor, field verified 1/1/88)

OFFICE/LAB BUILDING
INTERIOR ELEVATIONS
ROOM FINISH SCHEDULE
DOOR; WINDOW SCHEDULES

DATE 01.15.86
REV.
PROJECT NUMBER 2807 SHEET 7 OF 17

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Monticello Drive NE
Albuquerque, NM 87108
505/255-5550

A5

FIXTURE SCHEDULE

P1 WATER CLOSET: AMERICAN STANDARD MODEL 2108.408, RIM HEIGHT AT 18" AFF, COMPLETE WITH TANK AND WATER SAVER TRIM, BOLT CAPS, SUPPLY STOP AND WHITE PLASTIC SEAT. 4" WASTE, 2" OR 4" VENT, 1/2" CW.

P2 LAVATORY: AMERICAN STANDARD MODEL 0373.027, WITH WALL HANGER AND RIM MOUNTED AT 31" AFF. PROVIDE WITH SINGLE HANDLE FAUCET, P-TRAP, AND SUPPLY STOPS. INSULATE P-TRAP AND HW SUPPLY WITH 1" FIBERGLASS WITH ALUMINUM PROTECTIVE COVERING. 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.

P3 SERVICE SINK: AMERICAN STANDARD NO. 7692.049, WITH NO 8341.075 TRIM, RIM GUARD, WALL HANGER, AND STANDARD TRAP. 2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.

P4 SINK: ELKAY MODEL LR-1517, 15" X 17" X 7" DEEP, 18 GUAGE, TYPE 304 STAINLESS STEEL WITH SOUND DAMPERING, SELF RIMMING, P-TRAP, CRUMB CUP STRAINER, SINGLE FAUCET HOLE, LK-2088-13 GOOSENECK FAUCET. 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.

P5 SINK: ELKAY MODEL DLR-3122-12, 28" X 16" X 11" DEEP, 18 GUAGE, 302 STAINLESS STEEL, SELF RIMMING, WITH P-TRAP, CRUMB CUP STAINER, AND LK-4102 FAUCET. 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.

P6 WATER HEATER: AO SMITH MODEL NO. PGC-50, NATURAL GAS FIRED WATER HEATER ORFICED FOR 5000' ELEVATION. 40,000 BTUH INPUT, 50 GALLON STORAGE CAPACITY, GLASS LINED TANK WITH MAGNESIUM ANODE, T & P RELIEF VALVE, AND 3" DIA. FLUE.

P7 GAS COCK: CHICAGO FAUCET NO. 907

HB HOSE BIB: ~~SMITH FIG. 5509 FREEZEPROOF HOSE BIB~~ WITH VACUUM BREAKER △1

FD FLOOR DRAIN: SMITH FIG. 2010-A WITH 5" DIA ADJUSTABLE POLISHED BRONZE TOP, AND VANDEL PROOF SCREWS.

PH POST HYDRANT: SMITH MODEL 5910 WITH 3/4" HOSE CONNECTION. VACUUM BREAKER, CAST IRON CASING GUARD AND REMOVABLE "T" HANDLE.

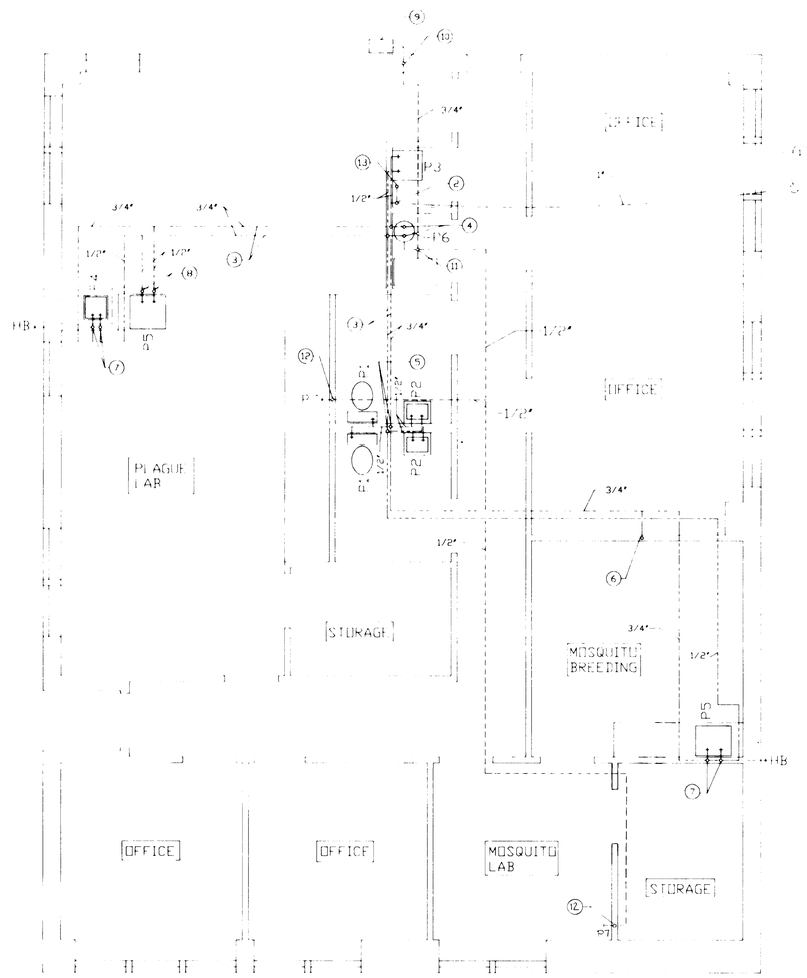
CO CLEANOUT: (FOR APPLICABLE FINISH)

A. CONCRETE, CERAMIC TILE, OR QUARRY TILE: SMITH FIG. 4023
B. VINYL TILE OR ASBESTOS TILE: SMITH FIG 4143
C. CARPET: SMITH FIG. 4023-Y WITH CARPET MARKER.

SPECIFIC NOTES - WATER AND GAS PIPING PLAN

1. SHUT OFF VALVE IN VALVE BOX. SEE SITE PLAN FOR CONTINUATION.
2. 1" CW UP FROM BELOW GRADE. ROUTE UP TO CEILING SPACE.
3. HW AND CW LINES IN CEILING SPACE.
4. 3/4" CW WITH SHUT-OFF VALVE AND UNION TO WATER HEATER INLET. 3/4" HW WITH UNION TO WATER HEATER OUTLET. ROUTE 3/4" T & P RELIEF LINE TO SERVICE SINK.
5. 3/4" CW AND 1/2" HW DOWN INTO PLUMBING WALL AND ROUTE TO FIXTURE.
6. 1/2" CW DOWN IN WALL TO HUMIDIFIER WITH SHUT-OFF VALVE.
7. 1/2" HW AND 3/4" CW DOWN IN WALL TO FIXTURE. ROUTE 3/4" CW TO HB.
8. 1/2" HW AND 1/2" CW DOWN IN WALL TO FIXTURE.
9. GAS METER AND PRESSURE REGULATOR BY UTILITY COMPANY. ALL FEES PAID BY CONTRACTOR. SIZE FOR A TOTAL CONNECTED LOAD OF 150,000 BTUH.
10. 3/4" GAS LINE UP IN WALL TO ABOVE CEILING.
11. 3/4" GAS LINE FROM CEILING. ROUTE TO FURNACE AND WATER HEATER WITH SHUT-OFF VALVE, DIRT LEG, AND FLEX CONNECTION AT EACH APPLIANCE.
12. 1/2" GAS LINE DOWN IN WALL TO P7 AT 6" ABOVE COUNTER.
13. 1/4" CW UP THRU ROOF AND ROUTE TO EVAPORATIVE COOLER. SEE DETAIL.

NOTE: PACE WATER PIPES BETWEEN CEILING AND R-4 BATT INSULATION OR ISOLATE PIPES PER SPECS.



WATER & GAS PIPING PLAN

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

APPROVAL OF AS BUILT DRAWINGS
Russell B. Leake
DATE 1-12-88

26 28071688

RECORD DRAWING (as approved by Project Engineer) 1/12/88

DATE: 01.19.86
REV: △1 10.13.87

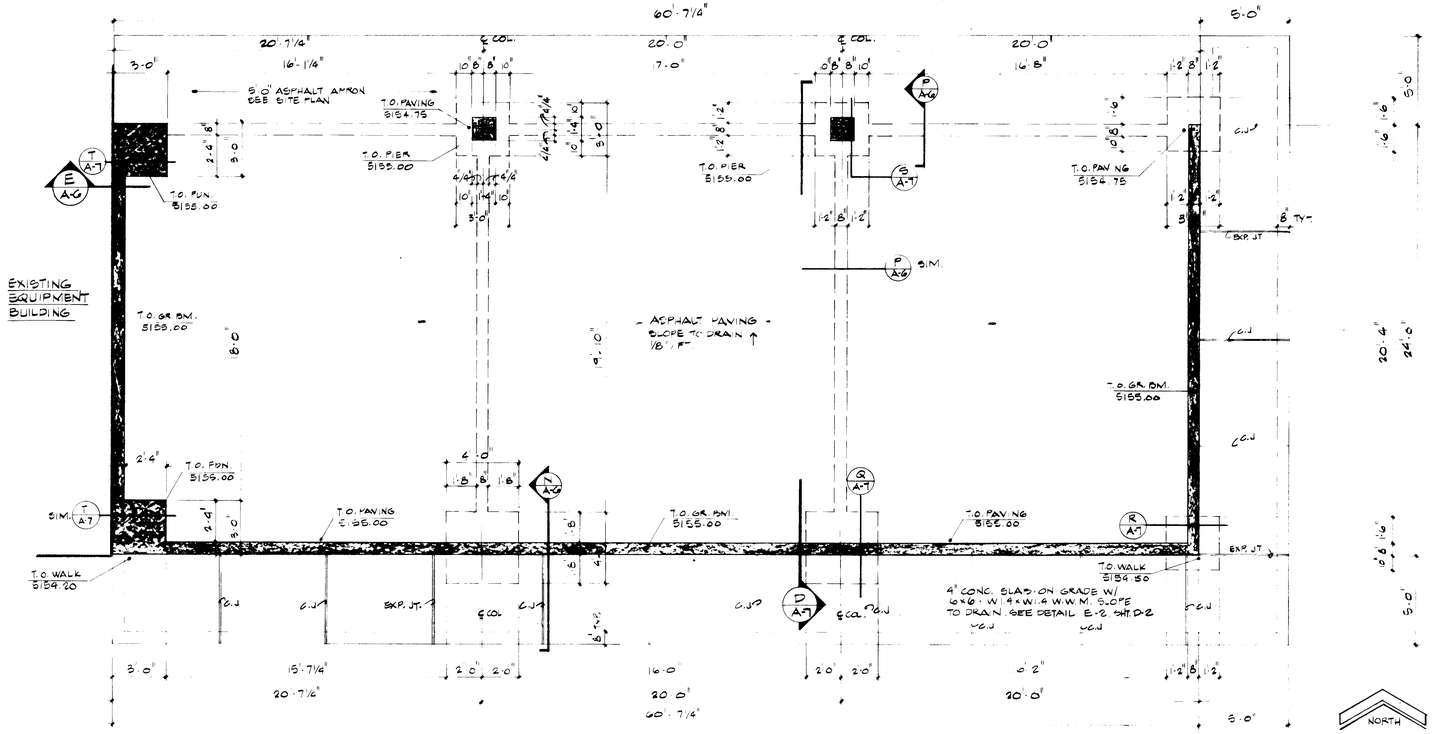
PROJECT NUMBER 2807 SHEET 15 OF 17

OFFICE / LAB BUILDING
FIXTURE SCHEDULE
WATER & GAS PIPING PLAN

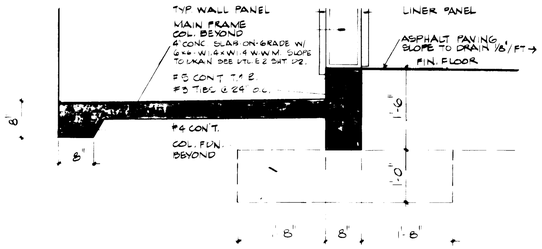
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87108
505/265-8590

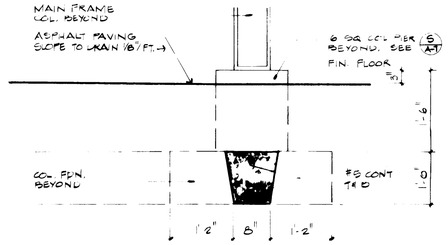
M4



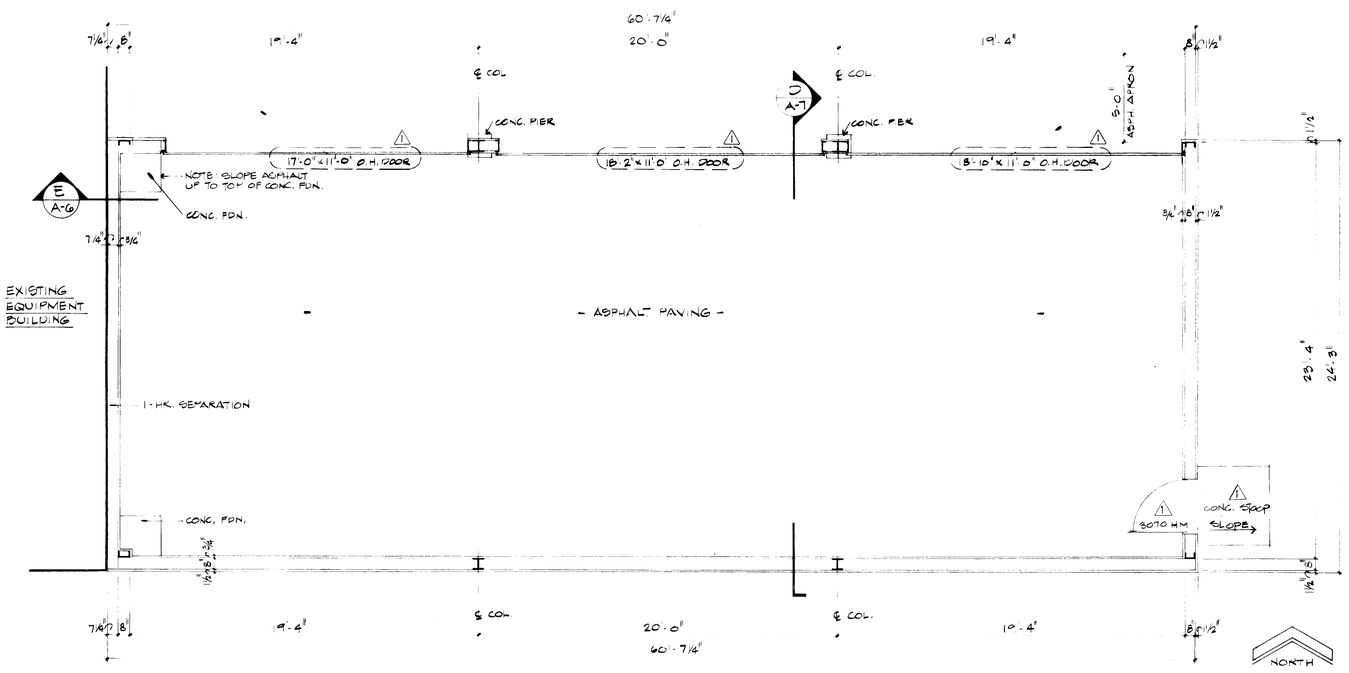
FOUNDATION PLAN - TRUCK SHED 1/4" = 1'-0"



PERIMETER GRADE BEAM 3/4" = 1'-0"



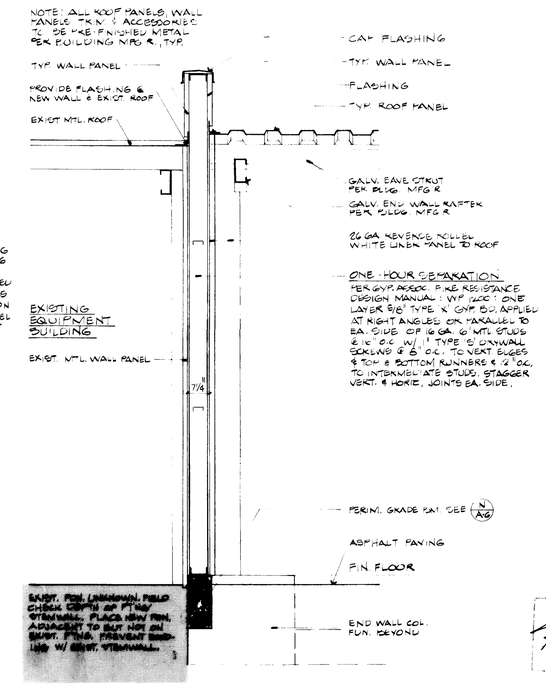
TIE BEAM 3/4" = 1'-0"



NOTES

1. ALL COLD ROLLED FRAMING MEMBERS FOR THIS BUILDING TO BE GALVANIZED.
2. 26 GA. GALV. REVERSE ROLLED COLOR COATED WHITE PANELS W/ 8/8" U.B.P. CORRUGATIONS ON 6" CENTERS UP TO ROOF LEVEL AT ALL INTERIOR WALLS OF TRUCK SHED.

FLOOR PLAN - TRUCK SHED 1/4" = 1'-0"



Russell B. Hirsch 1-12-88

26 28070988

ONE-HOUR SEPARATION 1/2" = 1'-0"

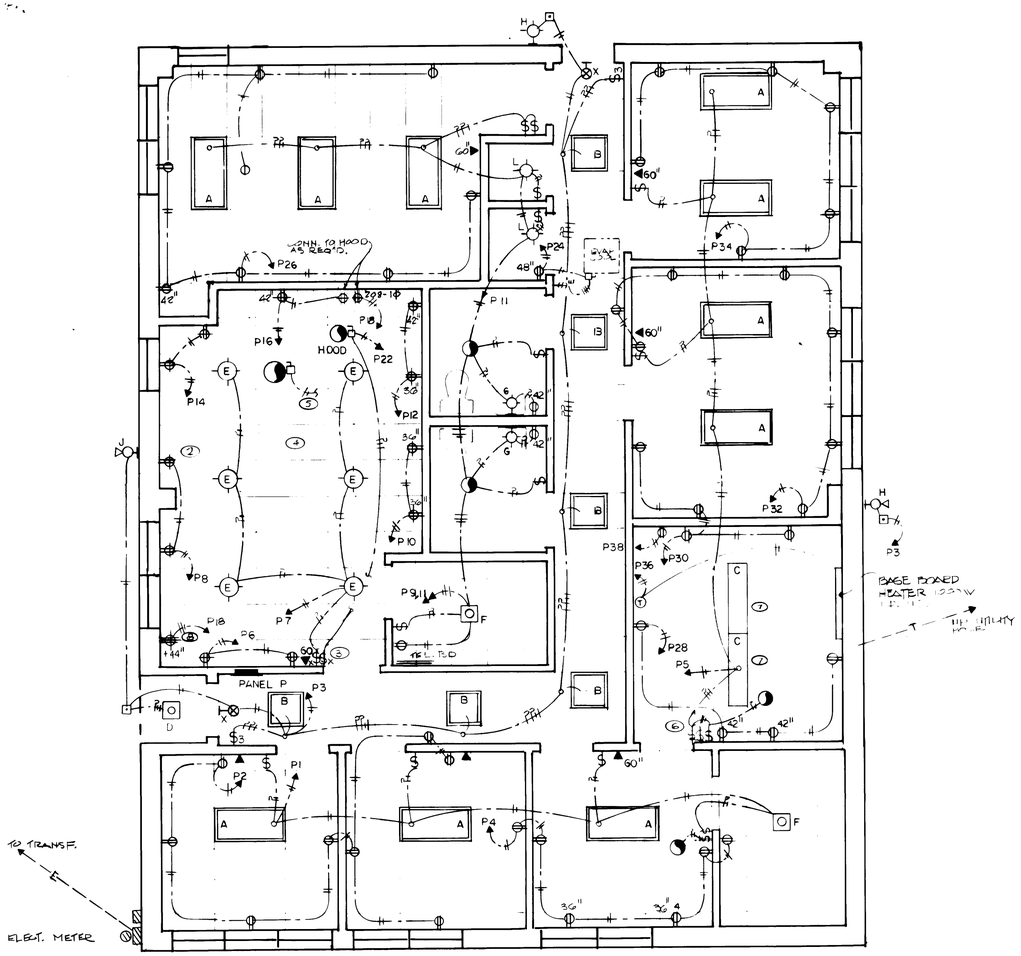
RECORD DRAWING (as-built) information provided by Hirsch Engineering

TRUCK SHED FOUNDATION & FLOOR PLANS FOUNDATION DETAILS SECTION E	
DATE: 10-15-86 REV. △ 10-13-87	SHEET 8 OF 17
PROJECT NUMBER 2807	

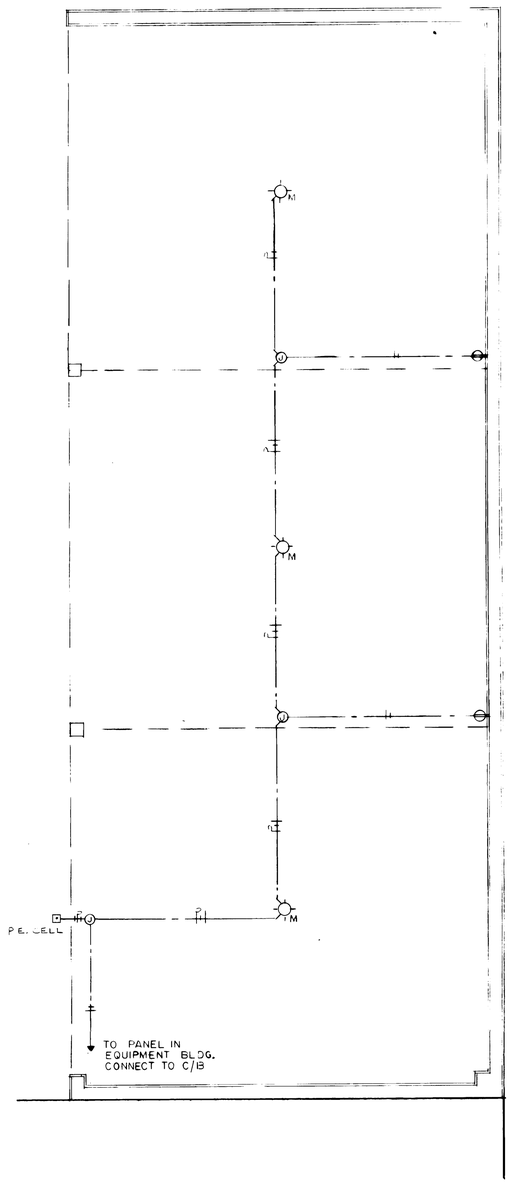
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montgomery Drive NE
Albuquerque, NM 87108
505/266-8820

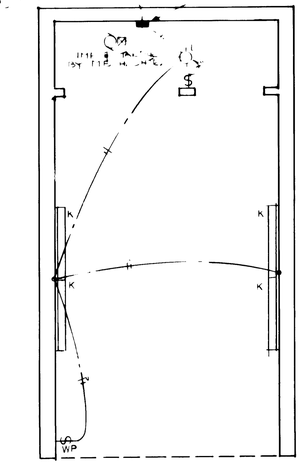
A6



ELECTRICAL LAYOUT — LAB
1/4"=1'0"



ELECTRICAL—TRUCK SHED
1/4"=1'0"



ELECTRICAL—WASH
1/4"=1'0"

LIGHT FIXTURES

A	LITHONIA	#2GT-440-A12-120V	4-F40 CWX	REC. GRID
B	LITHONIA	2GS-2U40-A12-120V	2-UF40 CWX	REC. GRID
C	BENJAMIN	FE-1524-4-120V/DIM BAL.	2-F40 CWX	CLG. SURF.
D	PROGRESS	P6985	1-50W HPS	REC. CLG.
E	APPLETON	AP-1550/AARW-15ST	1-200W IF	STEM
F	PROGRESS	P2-TG/P6640-29	1-100W IF	REC. CLG.
G	PROGRESS	P3030	2-75W IF	WALL 7'
H	HUBBELL	NRG-301/PC-120	1-50W HPS	WALL 10'
J	HUBBELL	PVL-01503-1120/PBT-1	1-150W HPS	WALL 11'±
K	MARCO	NPS-20ES/NPS-2EF	2-F40 CW	WALL 8'±
L	HUBBELL	VB-150	1-100W IF	CLG. SURF.
M	PROGRESS	P5694/P8600	1-9W PL9	CLG. SURF.
X	DUALITE	X2100		WALL 7'4"±

26 28071788

APPROVAL OF AS BUILT DRAWINGS
Russell B. Lind
DATE 1-12-88

M-1986

RECORD DRAWING

ELECTRICAL PLANS
OFFICE/LAB BUILDING
TRUCK SHED
CAR WASH

DATE: 10-15-86
REV.:

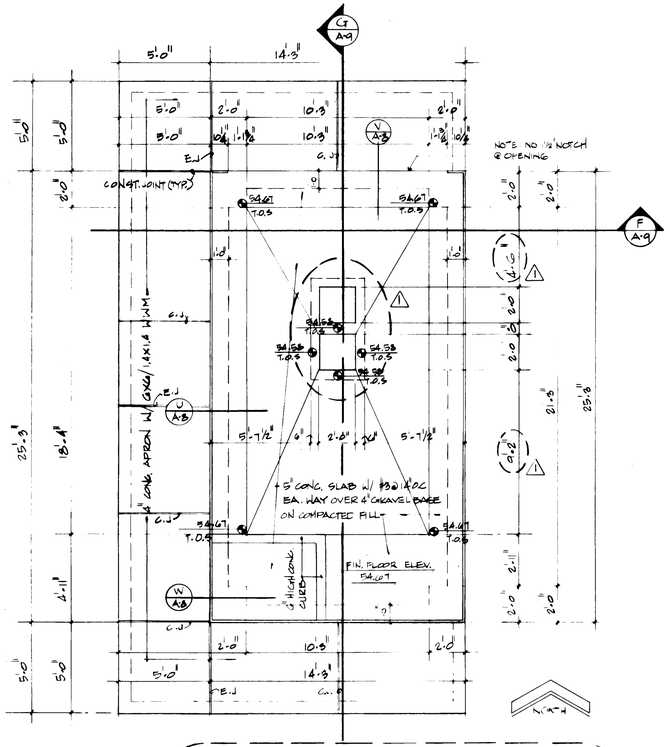
PROJECT NUMBER 2807

SHEET 16 OF 17

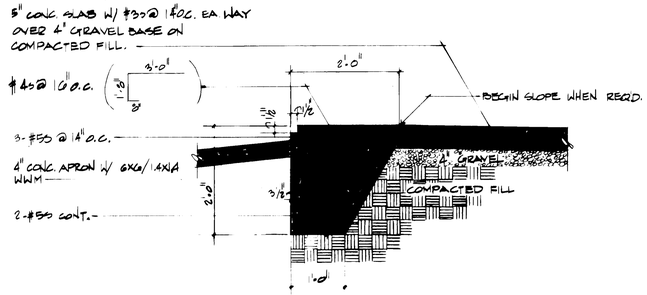
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montgomery Drive NE
Albuquerque, NM 87108
505/265-5560

E 1

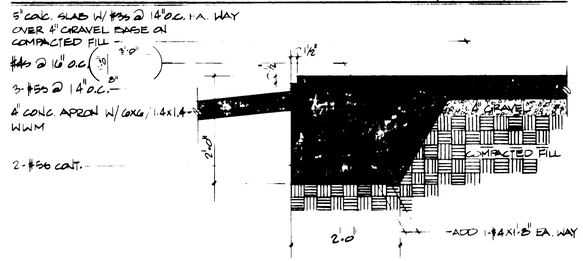


FOUNDATION PLAN 1/4"=1'-0"



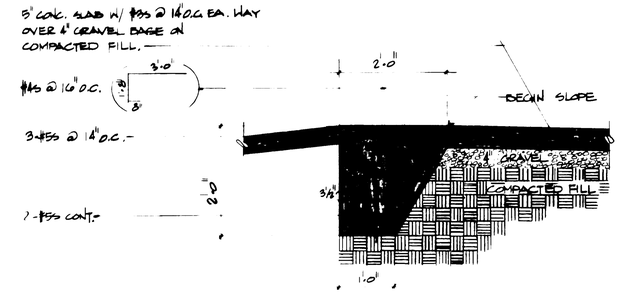
DETAIL U A-8 3/4"=1'-0"

PERIMETER WALL FOUNDATION



DETAIL W A-8 3/4"=1'-0"

CORNER COL. FOUNDATION

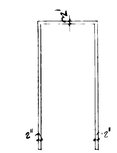


DETAIL V A-8 3/4"=1'-0"

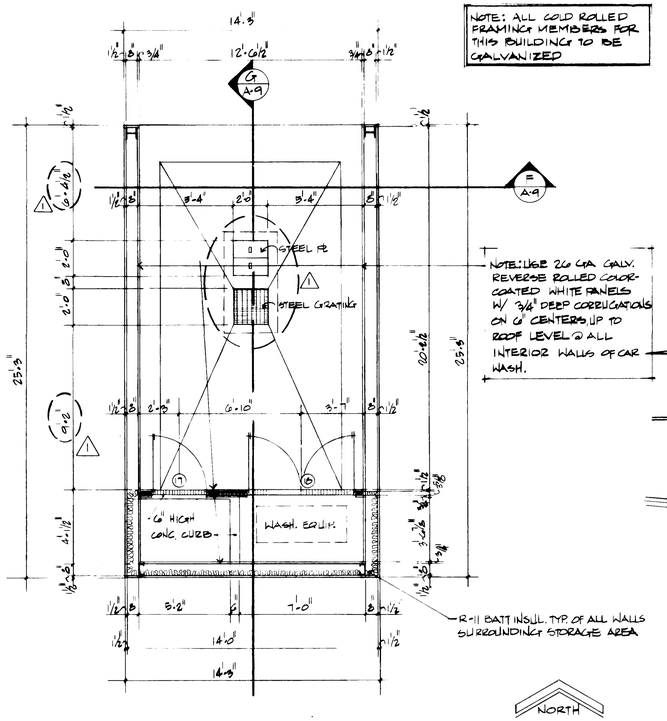
FOUNDATION DETAIL @ SOUTH OPENING

DOOR SCHEDULE						
NO	SIZE	TYPE	HARDWARE	FRAME	THRESHOLD	REMARKS
17	2'-0" x 6'-8" x 1¾"	A	1	H.M.	●	INSULATED
18	2'-0" x 7'-0" x 1¾"	A	2	H.M.	●	INSULATED

DOOR TYPE A



TYP. FRAME

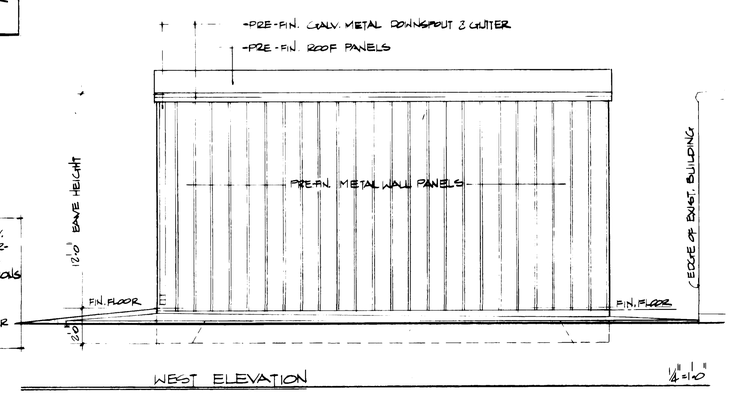


NOTE: ALL COLD ROLLED FRAMING MEMBERS FOR THIS BUILDING TO BE GALVANIZED

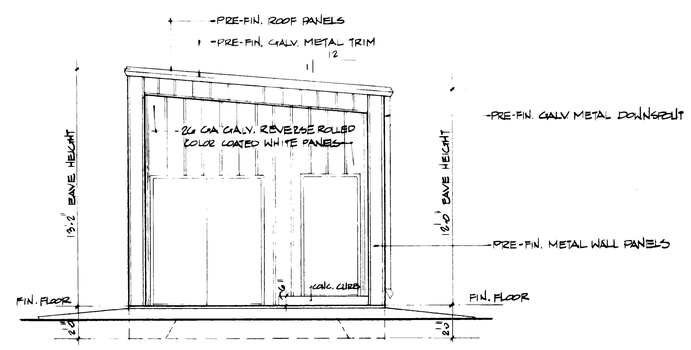
NOTE: USE 26 GA. GALV. REVERSE ROLLED COLOR-COATED WHITE PANELS W/ 3/4" DEEP CORRUGATIONS ON 6" CENTERS UP TO ROOF LEVEL @ ALL INTERIOR WALLS OF CAR WASH.

R-11 BATT INSUL. TYP. OF ALL WALLS SURROUNDING STORAGE AREA

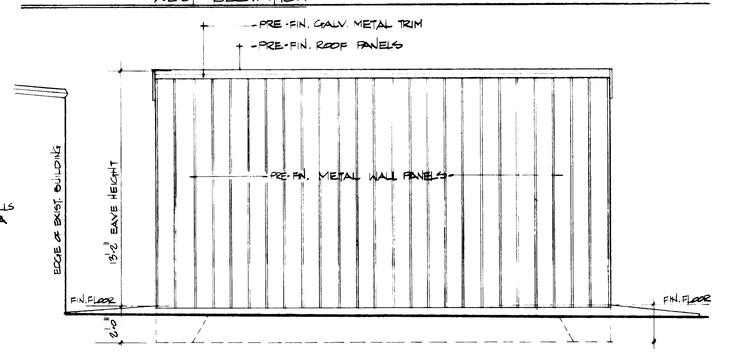
FLOOR PLAN 1/4"=1'-0"



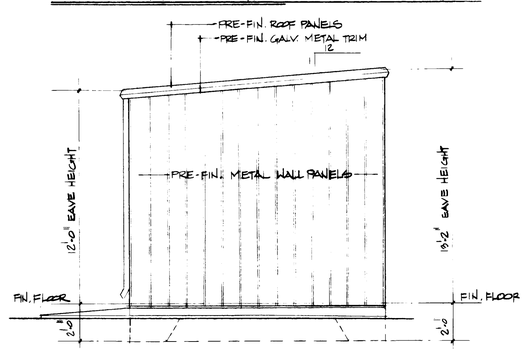
WEST ELEVATION 1/4"=1'-0"



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



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



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

APPROVED BY THE N.M. CITY ENGINEER
Russell B. Fisher
1-12-88

26 28071188

RECORD DRAWING. As built per information as provided by contractor. [illegible]

STATE OF NEW MEXICO
EDWARD L. HOLLOWAY
No. 1532
REGISTERED ARCHITECT

CAR WASH
FOUNDATION & FLOOR PLANS
ELEVATIONS
FOUNDATION DETAILS U, V, W

DATE: 10 15 86
REV: 5/15/88 △ SAND TRAP REVISED

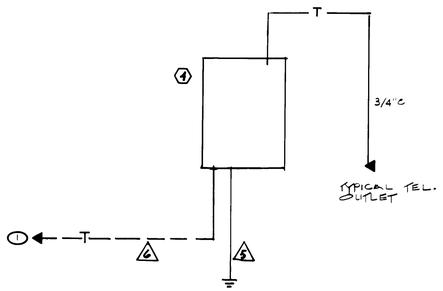
PROJECT NUMBER 2807

SHEET 10 of 17

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

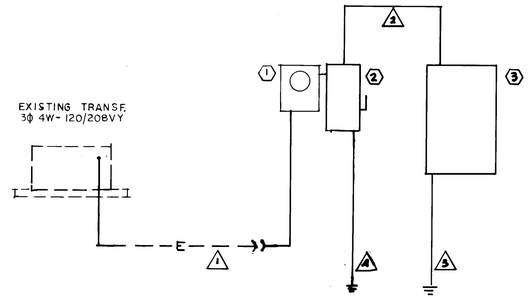
METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87123
505/265-8860

A8



TELEPHONE RISER DIAGRAM

NTS

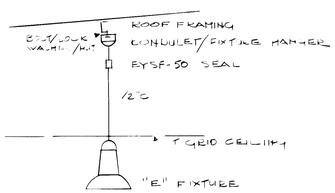


POWER RISER DIAGRAM

NTS

FIXTURE "E" DETAIL

NTS



PANEL P SCHEDULE

1	LTS - OFFICES/SEQ.	20	20	CO - [illegible]	2
3	- HALL/OUTSIDE	20	20	- " /LTG.	4
5	- OFF/MOS. LAB	20	20	- FUSE LAB	6
7	- PLG. LAB	20	20	- " "	8
9	- RRMS/SEQ	20	20	- " "	10
11	- CORR/DINN	20	20	- " "	12
13	SPARE	20	20	- " "	14
15	"	20	20	- " "/HOOD	16
17	"	20	20	- " HOOD/LAB	18
19	"	20		- " " "	20
21	"	20	20	- HOOD EXH	22
23	SPACE	—	20	- FURN/AC	24
25	"	—	20	- COMP.	26
27	"	—	20	- MOS. LAB	28
29	"	—	20	- " "/OFF	30
31	"	—	20	- OFFICE	32
33	"	—	20	- OFFICE	34
35	"	—	20	- BR. HTR	36
37	"	—	20	- [illegible]	38
39	"	—	—	- SPACE	40

A B C N

ELECTRICAL EQUIPMENT

(1) ELECTRIC METER, 3Ø, 200A, PER P.N.M. DWG. 05-19-11.4

(2) MAIN DISCONNECT SWITCH, 4W, S/N, 240V, 100A, NEMA-3R, HEAVY DUTY TYPE, FUSED. USE TYPE "FRN-100" FUSES.

INSTALL SQ-D, TYPE #J9200-9A, SURGE PROTECTOR INTO DISCONNECT OR PANEL P.

(3) PANEL P
3Ø4W, 120-208VY, 200A BUS, M.L.O., FLUSH MTD. SQ-D, TYPE "QO" WITH 10,000AIC BREAKERS. SEE PANEL SCHEDULE.

(4) TELEPHONE TERMINAL BOARD, 3'x4'x3/4" PLYWOOD.

△1 4 #1-THW-CU-2"C.

△2 4 #1-THW-CU-2"C.

△3 1 #4-CU TO C.W.P.

△4 1 #4-CU-½"C. TO GND. ROD 5/8"x8' CU-CLAD

△5 1 #4-CU TO C.W.P.

ELECTRICAL DATA

1. ESTIMATED NEW CONNECTED LOAD: 21 KW

ESTIMATED NEW DEMAND LOAD: 10 KW

KEYED NOTES

(1) 1½" C. OUT TO AND UP UTILITY POLE. VERIFY EXACT LOCATION.

(2) APPLETON TYPE #EHRA-56/EHXA-DK RECEPTACLE FLUSH IN WALL TYPICAL OF ALL. CONTRACTOR TO FURNISH 5 EACH, APPLETON #EHF-56 PLUGS.

(3) APPLETON #EFS-175-F1, 1P SWITCH FLUSH IN WALL.

(4) PLAGUE LAB AREA WIRED PER N.E.C. ART. 501 FOR CLASS I DIVISION II.

(5) INTERLOCK EXHAUST FAN WITH FURNACE. PROVIDE RELAY AS REQUIRED.

(6) AT THIS LOCATION INSTALL ONE EACH TIMER, FLUORESCENT DIMMER AND 1P SWITCH:
1 -TORK #7200Z-L-FL1
1 -LUTRON #FD-12 (FLUOR. DIMMER)
1 -1P SW

(7) INSTALL DIMMING FLUORESCENT BALLAST IN FIXTURE TYPE "C". (ADVANCE #240-H OR EQUAL)

(8) APPLETON #EHR-3023/CPP-3023C

SYMBOLS

SWITCH, 1P, 20A SPEC. GRADE	UP 52"
SWITCH, 2P, 20A SPEC. GRADE	UP 52"
SWITCH, EXPLOSION PROOF	UP 52"
SWITCH, 3W, 20A, SPEC. GRADE	UP 52"
DUPLEX OUTLET, 15A, SPEC. GRADE	UP 18"
OUTLET, EXPLOSION PROOF	UP 18"
JUNCTION BOX	
EXIT LIGHT	
EMERGENCY LIGHT	
LIGHT FIXTURE, CEILING SURFACE MTD.	
LIGHT FIXTURE, WALL MTD.	
LIGHT FIXTURE, RECESSED IN CEILING	
LIGHT FIXTURE, FLUSH IN CLG. GRID	
DISCONNECT SWITCH, FUSED	
MOTOR STARTER/CONTACTOR	
CIRCUIT BREAKER PANEL	
TELEPHONE TERMINAL BOARD	
TELEPHONE OUTLET	UP 18"
PHOTO CELL	
CONDUIT AND WIRE IN WALL AND CEILING	
CONDUIT AND WIRE UNDERGROUND	
CONDUIT AND WIRE HOME RUN TO PANEL	
—E— ELECTRICAL CONDUIT	
—T— TELEPHONE CONDUIT	
DUPLEX OUTLET FLUSH IN CEILING	

ELECTRICAL NOTES

1. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND TYPE OF EQUIPMENT, CONNECTIONS AND CONTROLS REQUIRED FOR ALL MECHANICAL AND PLUMBING EQUIPMENT. THEN PROVIDE ALL LABOR, MATERIALS AND CONTROLS TO MAKE A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE ALL TESTING AS MAY BE REQUIRED.

2. CONTRACTOR IS REQUIRED TO INSTALL, CONNECT, FURNISH MATERIALS AND MAKE OPERATIONAL THOSE ITEMS NOT SHOWN OR IMPLIED ON THE CONSTRUCTION DRAWINGS, BUT ARE REQUIRED UNDER OTHER SECTIONS OF THE SPECIFICATIONS AND DRAWINGS.

3. DO NOT SCALE DRAWINGS FOR EXACT LOCATIONS. USE ONLY THE ARCHITECTURAL DIMENSIONS.

4. ALL MOTORS AND MECHANICAL EQUIPMENT SHALL BE CONNECTED WITH FLEX CONDUIT. USE WEATHERPROOF FLEX IN WET OR DAMP LOCATIONS.

5. ANY DISCREPANCIES NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, FOR RESOLUTION PRIOR TO INSTALLATION OF THAT SPECIFIED EQUIPMENT.

6. THE ELECTRICAL LAYOUT IS DIAGRAMMATICAL ONLY. THE CONTRACTOR MAY VARY THE BRANCH CIRCUIT WIRING AS NECESSARY TO MEET ACTUAL FIELD CONSTRUCTION REQUIREMENTS.

Remove breaker
Install new breaker
Verify proper operation
Verified by [illegible] 1/29/88

Russell B. Sanchez
1-12-88

26 28071888

M-1986

RECORD DRAWING Based on [illegible]

ELECTRICAL NOTES
ELECTRICAL SCHEDULE
POWER RISER DIAGRAM
TELEPHONE RISER DIAGRAM

DATE: 10-15-86
REV.:

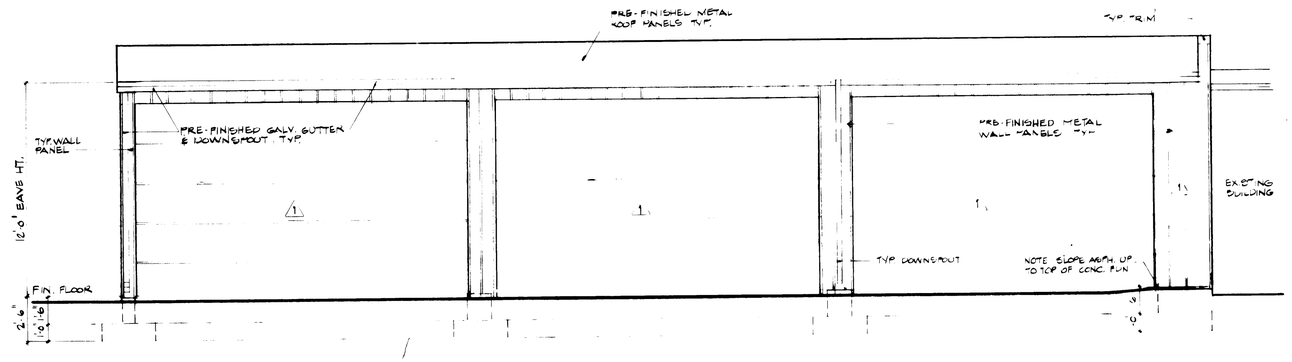
PROJECT NUMBER: 2807

SHEET 17 OF 17

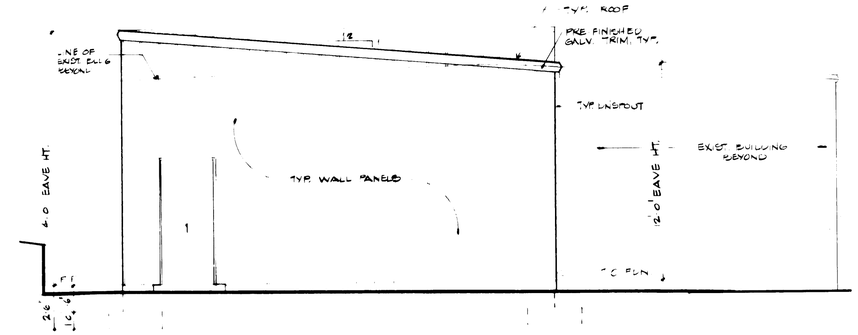
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECT, INC.
413 Montgomery Drive NE
Albuquerque, NM 87108
268/266-6860

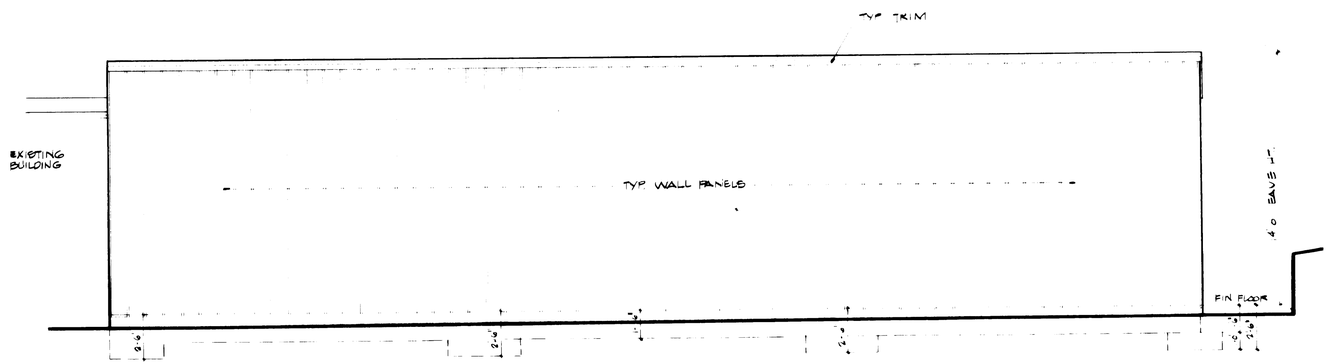
E 2



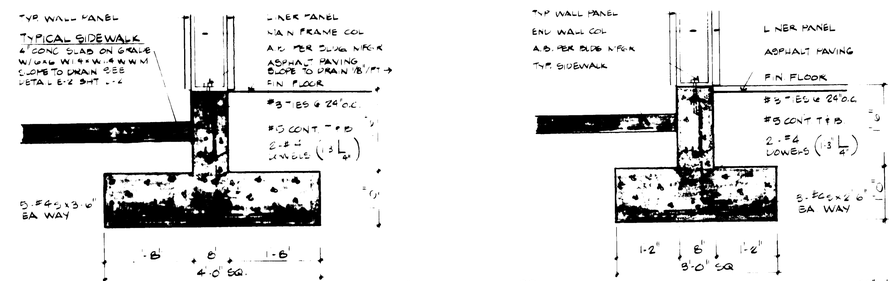
NORTH ELEVATION 1/4"=1'-0"



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

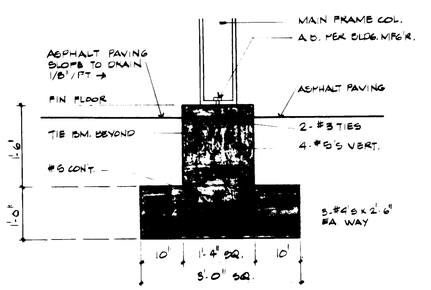


SOUTH ELEVATION 1/4"=1'-0"

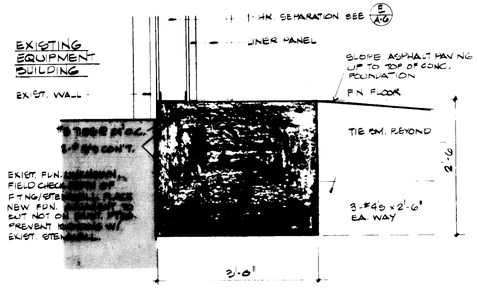


Q A-6 SOUTH MAIN FRAME COL. FDN. 3/4"=1'-0"

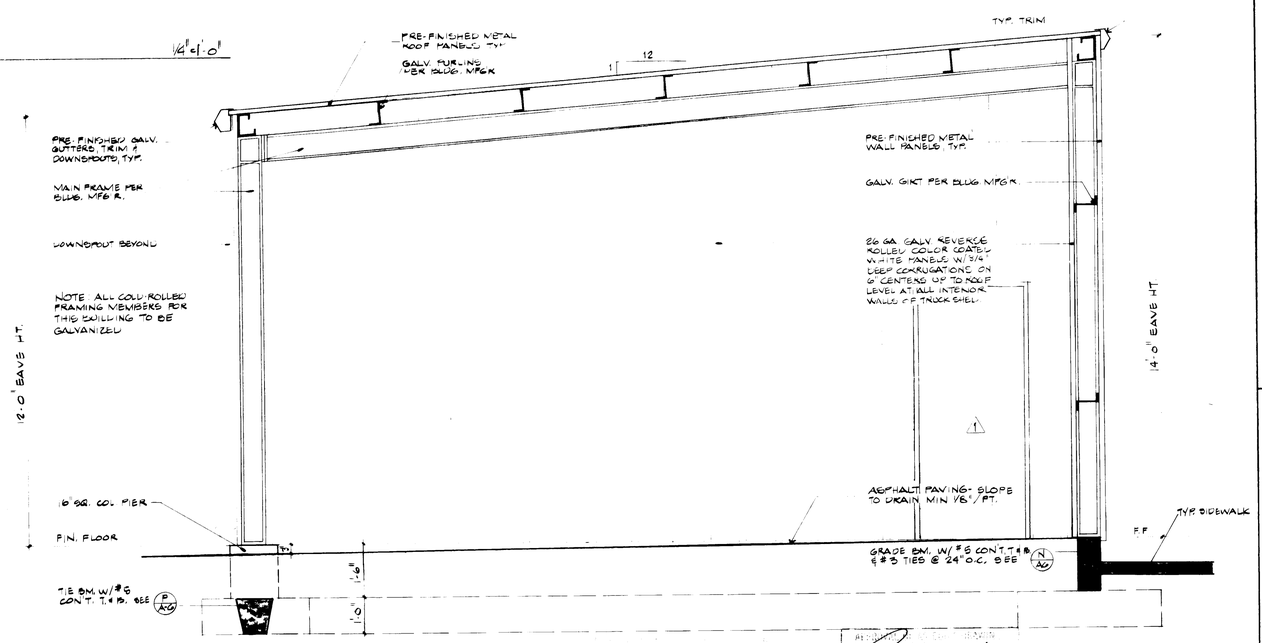
R A-6 EAST END WALL COL. FDN. 3/4"=1'-0"



S A-6 NORTH MAIN FRAME COL. FDN. 3/4"=1'-0"



T A-6 WEST END WALL COL. FDN. 3/4"=1'-0"



26 28071088

Russell B. Fisher 1-12-88

D A-6 BUILDING SECTION - TRUCK SHED 1/2"=1'-0"

RECORD DRAWING, based on information provided by contractor, field verified by Architect

STATE OF NEW MEXICO REGISTERED ARCHITECT

DATE 10-15-86
REV. 1 10-13-87

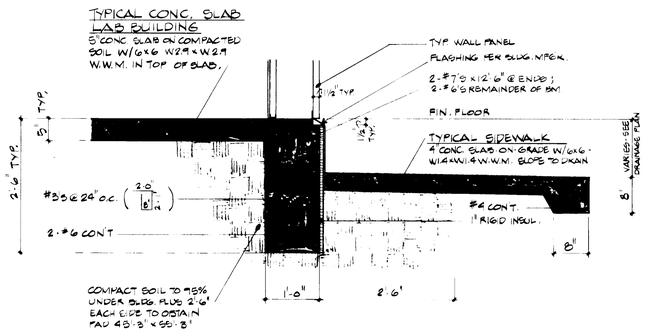
PROJECT NUMBER 2807 SHEET 9 OF 17

TRUCK SHED
FOUNDATION DETAILS: Q, R, S, T
ELEVATIONS
SECTION D

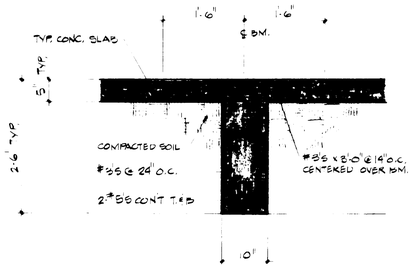
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Monroe Ave. NE
Albuquerque, New Mexico 87108
505/266-6560

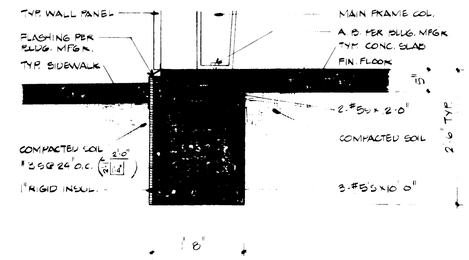
A7



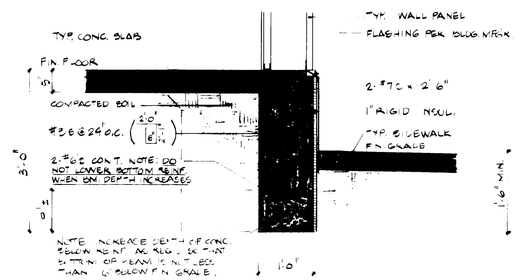
K A-2 PERIMETER GRADE BEAM 3/4" = 1'-0"



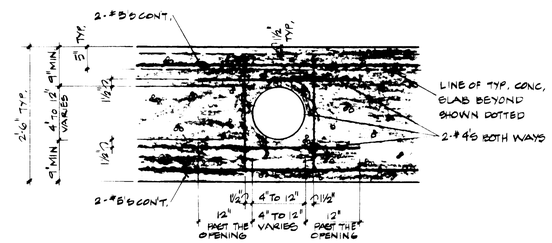
L A-2 INTERIOR GRADE BEAM 3/4" = 1'-0"



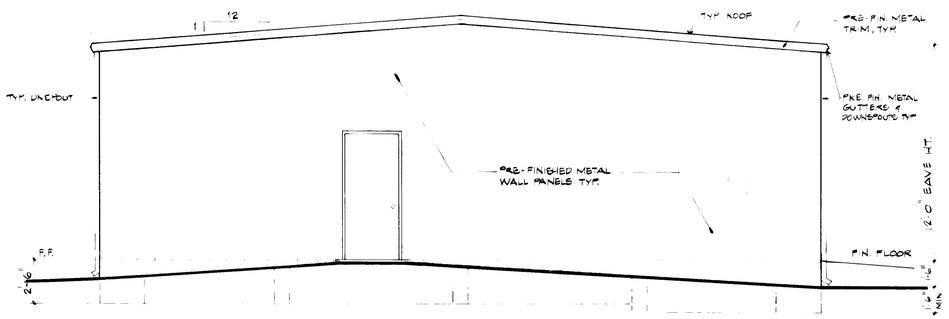
M A-2 PERIM. GRADE BEAM @ MAIN FRAME COL. 3/4" = 1'-0"



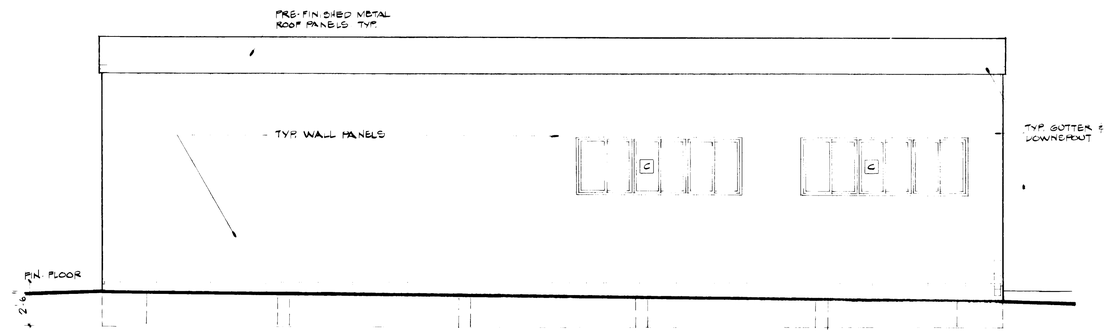
J A-2 PERIM. GRADE BEAM @ N.W. CORNER 3/4" = 1'-0"



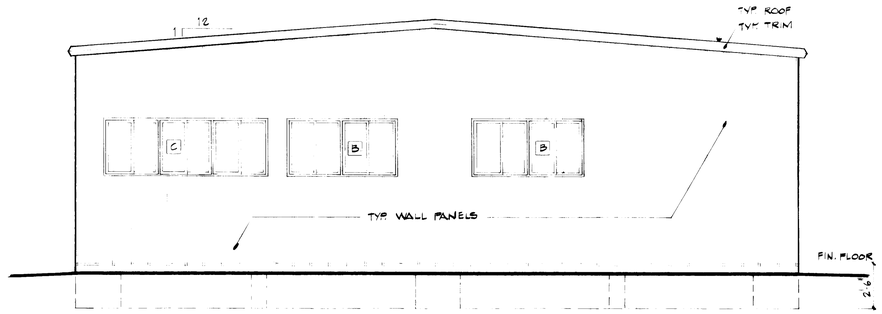
INTERIOR GRADE BEAM DUCT PENETRATION DETAIL 3/4" = 1'-0"



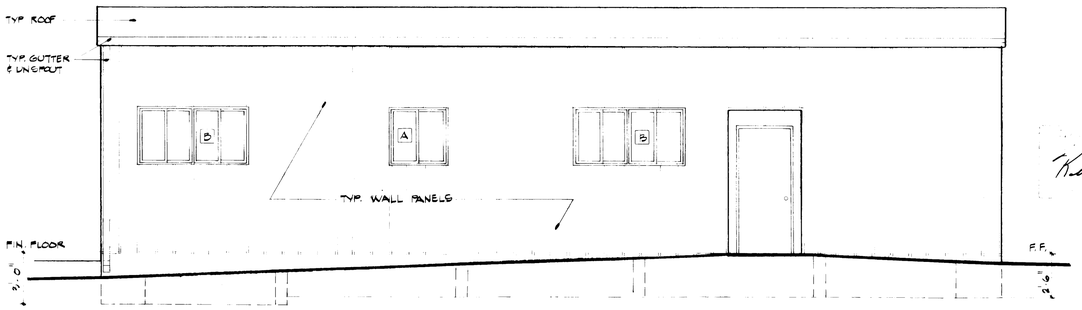
NORTH ELEVATION 1/4" = 1'-0"



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



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



Russell B. Fisher 1-12-88

26 28070688

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

RECORD DRAWING Based on information as provided by Contractor Jerry Gill of Albuquerque 1/88

STATE OF NEW MEXICO ETHEL Z. KOLODNER No. 1512 REGISTERED ARCHITECT

OFFICE/LABORATORY BUILDING
FOUNDATION DETAILS
ELEVATIONS

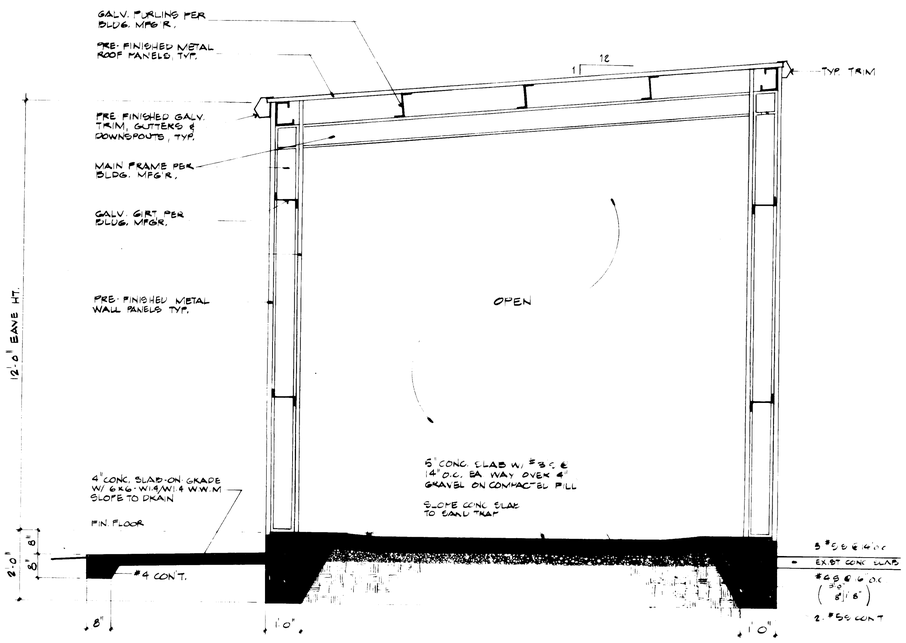
DATE 10-15-86
REV. △ 10-12-87

PROJECT NUMBER 2807 SHEET 5 OF 17

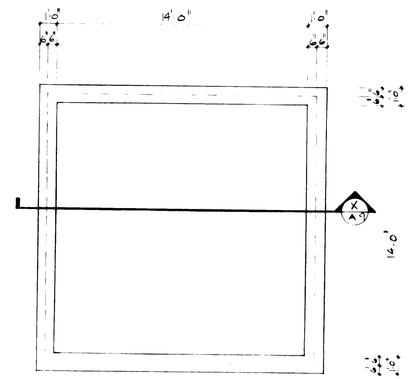
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
4113 Montgomery Drive, NE
Albuquerque, New Mexico 87109
505/884-8820

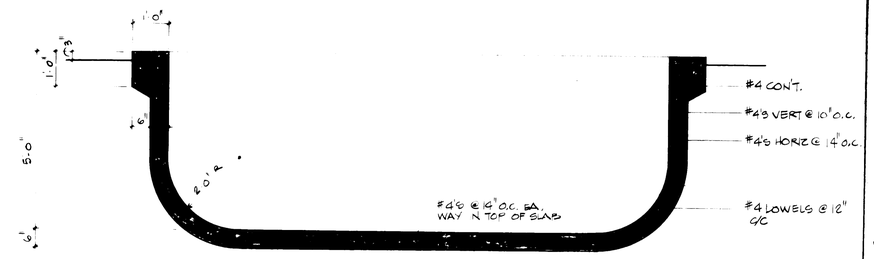
A3



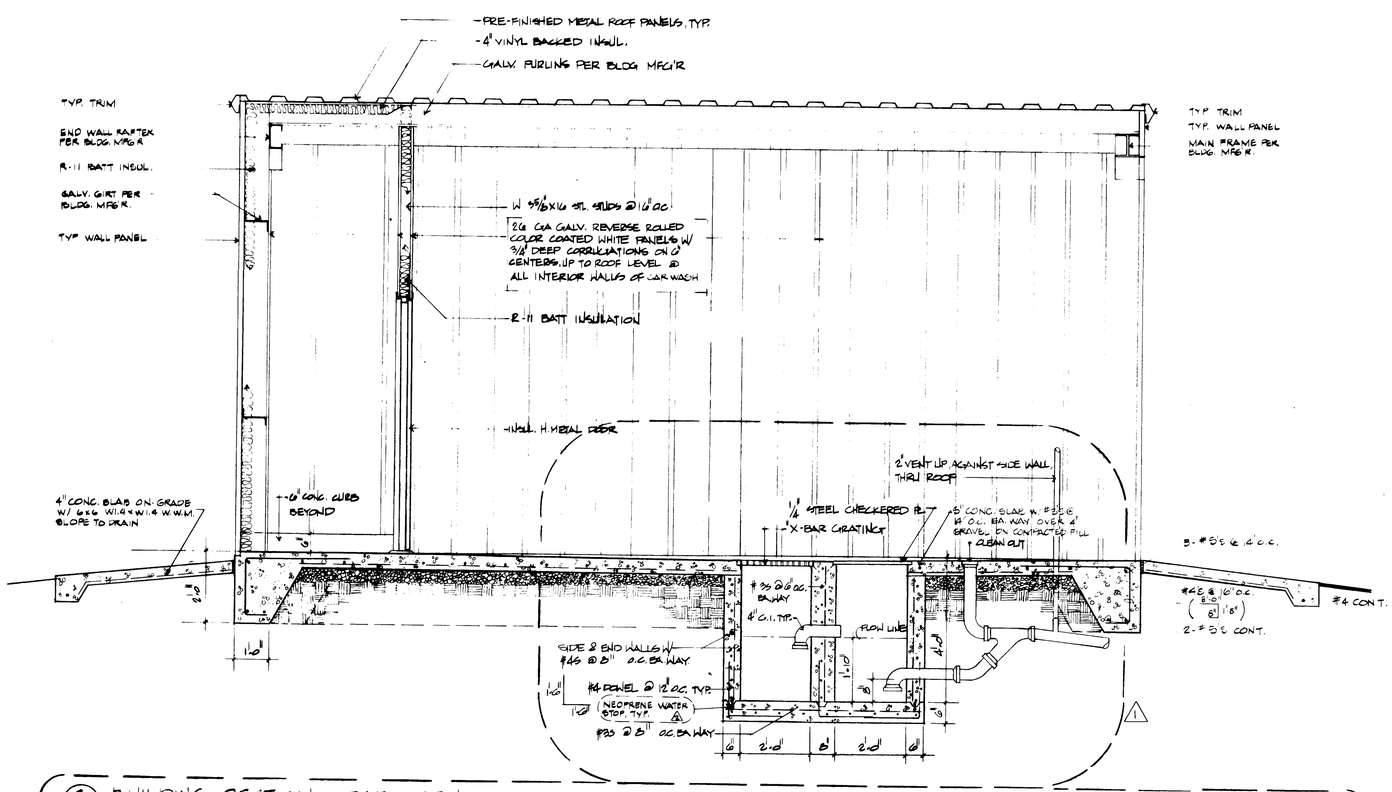
F/A8 BUILDING SECTION - CAR WASH 1/2" = 1'-0"



PLAN - GUNITE RETENTION POND 1/8" = 1'-0"



X/A9 SECTION @ GUNITE RETENTION POND 1/2" = 1'-0"



A8 BUILDING SECTION - CAR WASH 1/2" = 1'-0"

26 28071288

Russell B. Sinclair 1-12-88

RECORD DRAWING

CAR WASH
SECTIONS F & G
GUNITE RETENTION POND

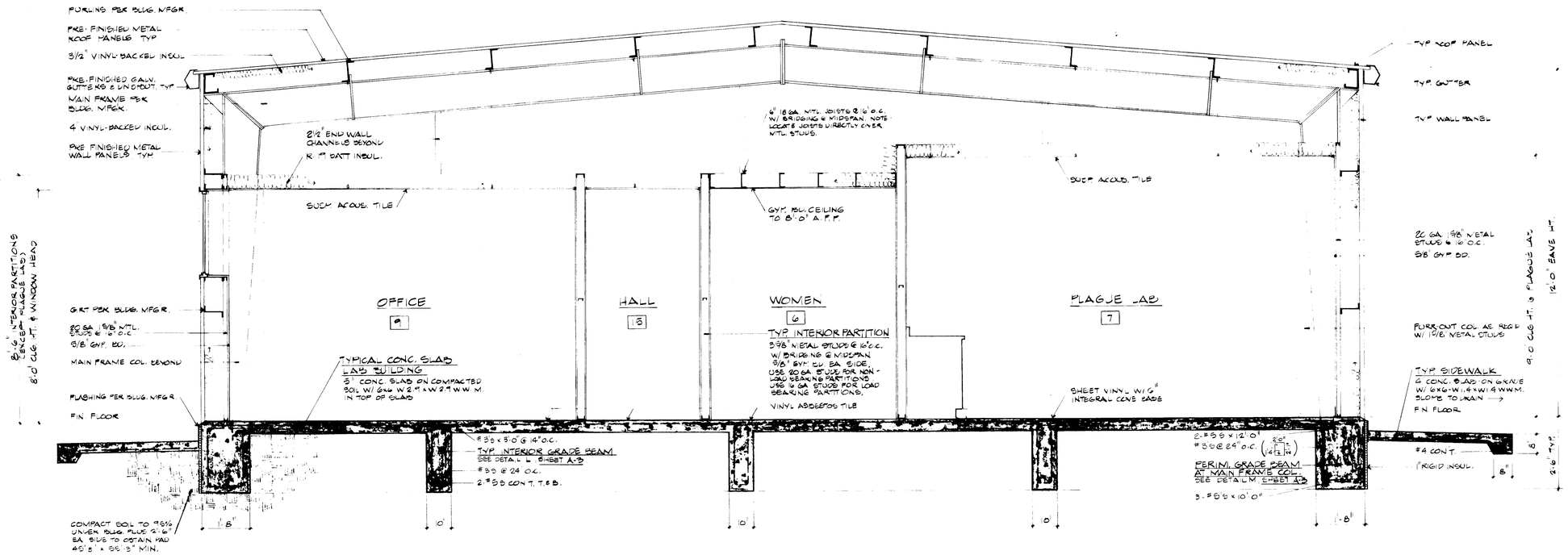
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS, INC.
413 Montclaire Drive NE
Albuquerque, NM 87108
(505) 268-2888

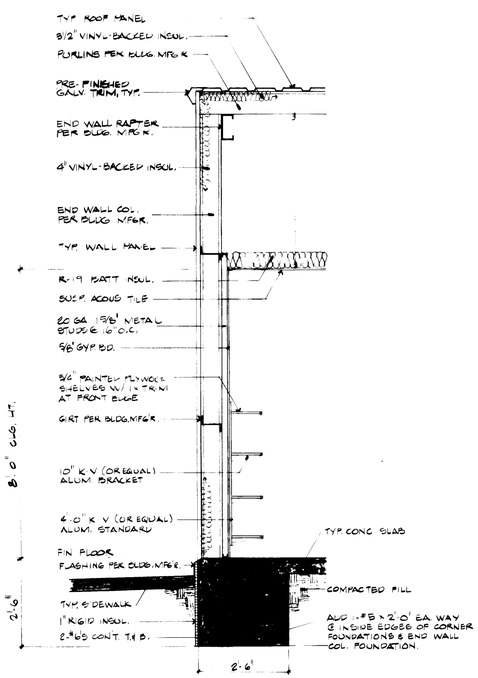
DATE: 10-16-86
REV: 9-15-86
10-13-87

△ SAND TRAP REVISED
△ WATER STOP

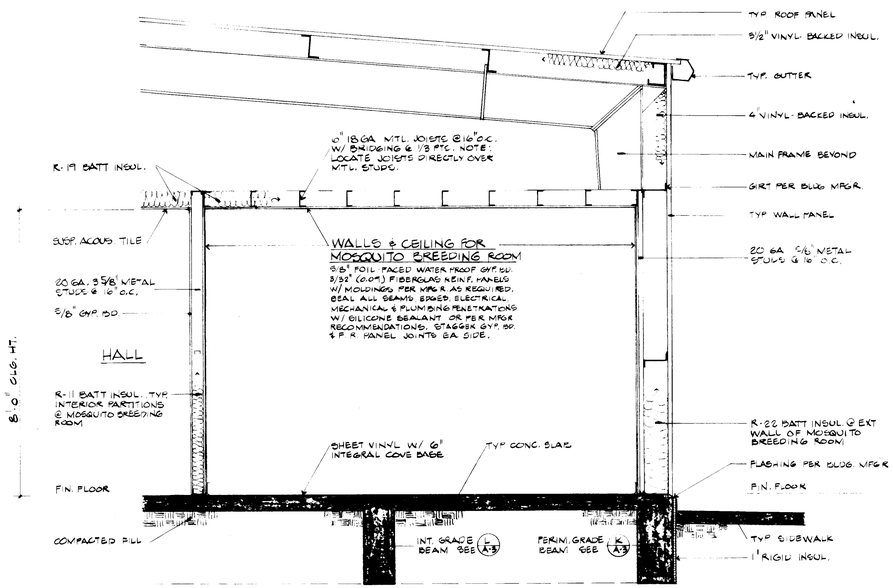
PROJECT NUMBER 2807 SHEET 11 OF 17



A A-2 BUILDING SECTION - LAB 1/2" = 1'-0"



B A-2 SECTION - END WALL COL. 1/2" = 1'-0"



C A-2 MOSQUITO BREEDING ROOM 1/2" = 1'-0"

26 28070788

Approved
Russell B. Sirko
1-12-88

RECORD DRAWING

OFFICE / LAB BUILDING
SECTION A
SECTION B
SECTION C

DATE: 01/88
REV.:

PROJECT NUMBER 2807

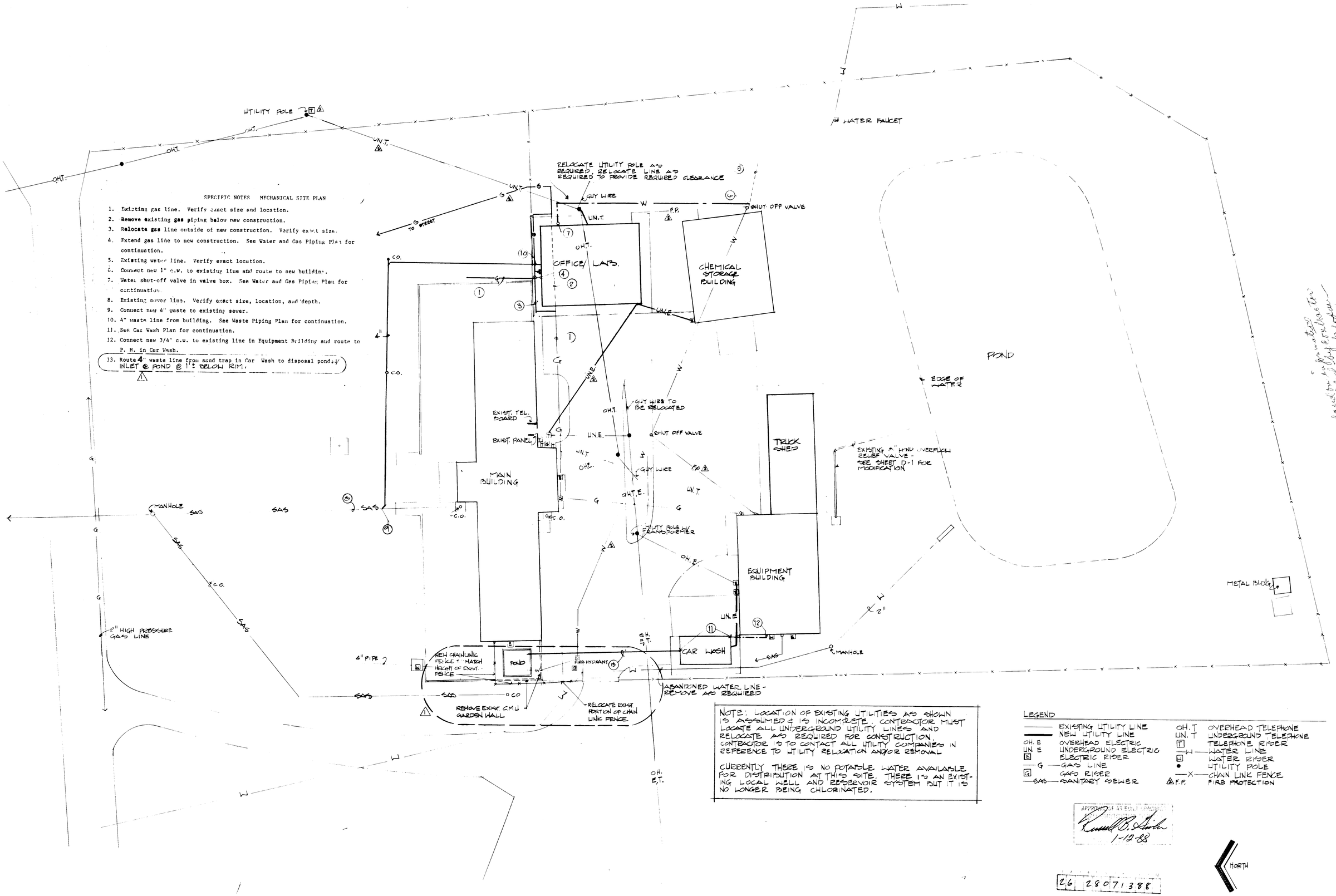
SHEET 6 OF 17

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Monticello Drive NE
Albuquerque, NM 87108
505/266-8590

A4

STATE OF NEW MEXICO
ETHEL Z. RUDDOCK
No. 1512
REGISTERED
ARCHITECT
1/8/88



SPECIFIC NOTES MECHANICAL SITE PLAN

1. Existing gas line. Verify exact size and location.
2. Remove existing gas piping below new construction.
3. Relocate gas line outside of new construction. Verify exact size.
4. Extend gas line to new construction. See Water and Gas Piping Plan for continuation.
5. Existing water line. Verify exact location.
6. Connect new 1" c.w. to existing line and route to new building.
7. Water shut-off valve in valve box. See Water and Gas Piping Plan for continuation.
8. Existing sewer line. Verify exact size, location, and depth.
9. Connect new 4" waste to existing sewer.
10. 4" waste line from building. See Waste Piping Plan for continuation.
11. See Car Wash Plan for continuation.
12. Connect new 3/4" c.w. to existing line in Equipment Building and route to P. H. in Car Wash.
13. Route 4" waste line from sand trap in Car Wash to disposal pond ⚠ INLET @ POND @ 1'± BELOW RIM.

NOTE: LOCATION OF EXISTING UTILITIES AS SHOWN IS ASSUMED & IS INCOMPLETE. CONTRACTOR MUST LOCATE ALL UNDERGROUND UTILITY LINES AND RELOCATE AS REQUIRED FOR CONSTRUCTION. CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES IN REFERENCE TO UTILITY RELOCATION AND/OR REMOVAL

CURRENTLY THERE IS NO POTABLE WATER AVAILABLE FOR DISTRIBUTION AT THIS SITE. THERE IS AN EXISTING LOCAL WELL AND RESERVOIR SYSTEM BUT IT IS NO LONGER BEING CHLORINATED.

LEGEND

——	EXISTING UTILITY LINE	OH. T	OVERHEAD TELEPHONE
▬▬	NEW UTILITY LINE	UN. T	UNDERGROUND TELEPHONE
OH. E	OVERHEAD ELECTRIC	T	TELEPHONE RISER
UN. E	UNDERGROUND ELECTRIC	—W—	WATER LINE
E	ELECTRIC RISER	W	WATER RISER
—G—	GAS LINE	●	UTILITY POLE
G	GAS RISER	—X—	CHAIN LINK FENCE
—SAS—	SANITARY SEWER	△F.P.	FIRE PROTECTION

APPROVED AS BUILT DRAWING
Russell B. Smith
1-12-88

26 28071388

NORTH

RECORD DRAWING
Reviewed for general conformance with design concept
Russell B. Smith 1/18/88

STATE OF NEW MEXICO
CHARLES Z. MELENDEZ
No. 1512
REGISTERED ARCHITECT

DATE 10-15-86
REV: 3-15-86 △PAD LOCATION REVISED, NOTE 13

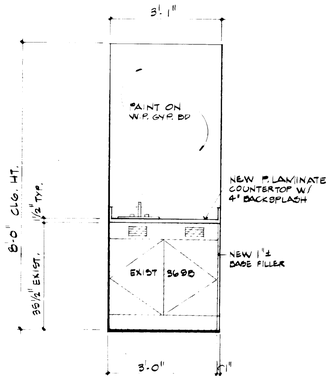
PROJECT NUMBER 2807 SHEET 12 OF 17

UTILITY SITE PLAN.

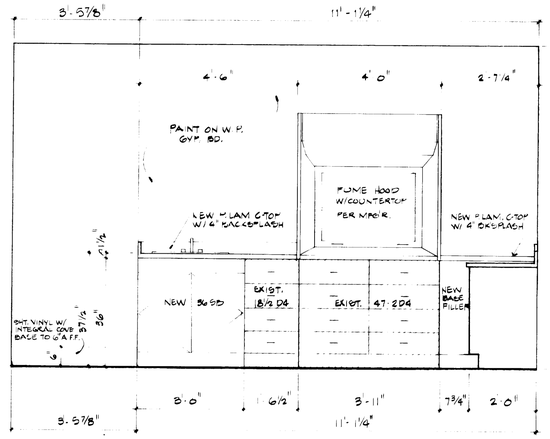
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87108
505/266-8860

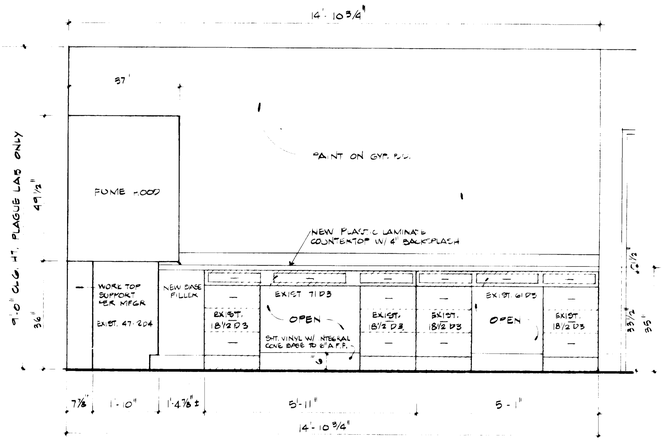
M 1



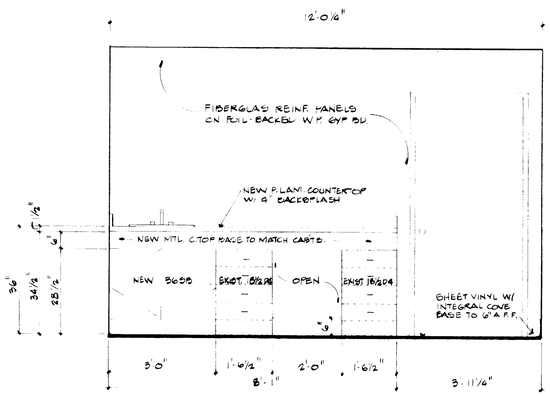
1 A-2 CONFERENCE ROOM 1/2"=1'-0"



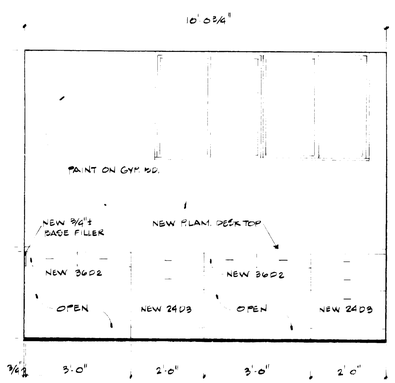
2 A-2 PLAGUE LAB - NORTH WALL 1/2"=1'-0"



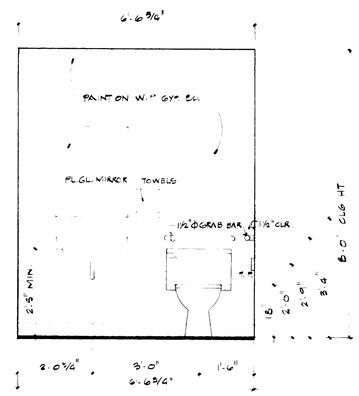
3 A-2 PLAGUE LAB - EAST WALL 1/2"=1'-0"



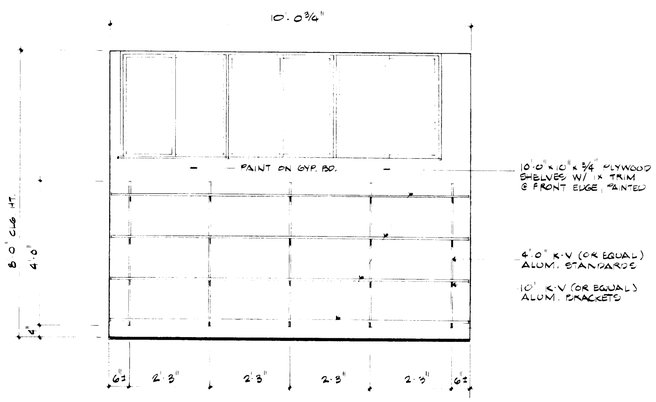
4 A-2 MOSQUITO BREEDING ROOM 1/2"=1'-0"



5 A-2 MOSQUITO LAB 1/2"=1'-0"



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



7 A-2 OFFICE 1/2"=1'-0"

NOTES:

1. DIMENSIONS GIVEN ON INTERIOR ELEVATIONS ARE FINISHED DIMENSIONS. VERIFY ALL DIMENSIONS IN THE FIELD.
2. VERIFY SIZE OF ALL EXISTING CABINETS TO BE REUSED.
3. ☐ ALL EXISTING METAL CABINETS TO BE REUSED SHALL BE CLEANED AND PAINTED.
4. NEW CAB. METS SHALL MATCH EXISTING.

ROOM FINISH SCHEDULE

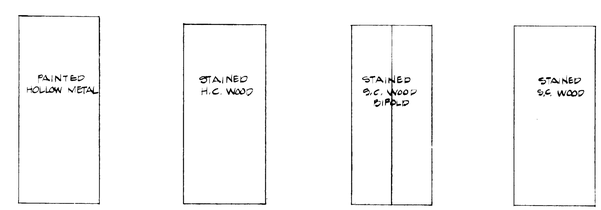
☐ ROOM	FLOOR: VAT-LE	FLOOR: SHEET VINYL	BASE: VINYL COVE	BASE: INTEGRAL COVE	WALL: PAINT ON GYP BD	WALL: PT. ON W.P. GYP BD	WALL: FR.P. ON W.P. GYP BD.	CEILING: PT. ON GYP. BD.	CEILING: SUSP. ACOUS. TILE	CEILING: FRP ON W.P. GYP BD	CEILING HT	REMARKS
1 CONFERENCE	●		●			●	●		●		8'-0"	
2 JANITOR CLO.	●		●			●		●				
3 FURNACE	●		●			●		●				
4 OFFICE	●		●			●			●			
5 MEN	●		●			●		●				
6 WOMEN	●		●			●		●				
7 PLAGUE LAB		●		●		●		●			9'-0"	
8 STORAGE	●		●			●			●		8'-0"	
9 OFFICE	●		●			●			●			
10 MOSQ. BREED.		●		●			●		●			
11 STORAGE	●		●			●			●			
12 MOSQUITO LAB	●		●			●			●			
13 OFFICE	●		●			●			●			
14 OFFICE	●		●			●			●			
15 HALL	●		●			●			●			

WINDOW SCHEDULE

☐	SIZE	FRAME	TYPE	GLAZING	REMARKS
A	3'-0" x 3'-0"	ALUM.	SLIDER	DOUBLE	PER BLDG. MFGR.
B	2 @ 3'-0" x 3'-0"	ALUM.	SLIDER	DOUBLE	PER BLDG. MFGR.
C	3 @ 3'-0" x 3'-0"	ALUM.	SLIDER	DOUBLE	PER BLDG. MFGR.

DOOR SCHEDULE

○ NO.	SIZE	TYPE	HARDWARE	FRAME	THRESHOLD	REMARKS
1	3'-0" x 7'-0" x 1 3/4"	A	1	*	●	* PER BLDG. MFGR.
2	3'-0" x 6'-8" x 1 3/4"	B	3	2" H.M.		
3	3'-0" x 6'-8" x 1 3/8"	C	2	WOOD		BI-FOLD
4	3'-0" x 6'-8" x 1 3/8"	D	5	2" H.M.		
5	3'-0" x 6'-8" x 1 3/4"	B	3			
6	3'-0" x 6'-8" x 1 3/8"	D	4			INSTALL SIGN
7	3'-0" x 6'-8" x 1 3/4"	B	3			
8	3'-0" x 6'-8" x 1 3/8"	D	4			INSTALL SIGN
9	3'-0" x 6'-8" x 1 3/4"	A	3		●	W/ DOOR BOTTOM SEAL
10	3'-0" x 6'-8" x 1 3/8"	C	5			
11	3'-0" x 6'-8" x 1 3/4"	B	5			
12	3'-0" x 6'-8" x 1 3/4"	B	3			
13	3'-0" x 6'-8" x 1 3/4"	B	3			
14	3'-0" x 6'-8" x 1 3/8"	B	5			
15	3'-0" x 6'-8" x 1 3/4"	B	3			
16	3'-0" x 7'-0" x 1 3/4"	A	1	*	●	* PER BLDG. MFGR.



TYPE A TYPE B TYPE C TYPE D

DOOR TYPES 3/8"=1'-0"

26 28070888

Russell B. Linke
DATE 1-12-88

STATE OF NEW MEXICO
ETHEL Z. ROLLOVER
No. 1512
REGISTERED ARCHITECT

RECORD DRAWING (as-built, revised from as-built drawings furnished by contractor, field verified 1/1/88)

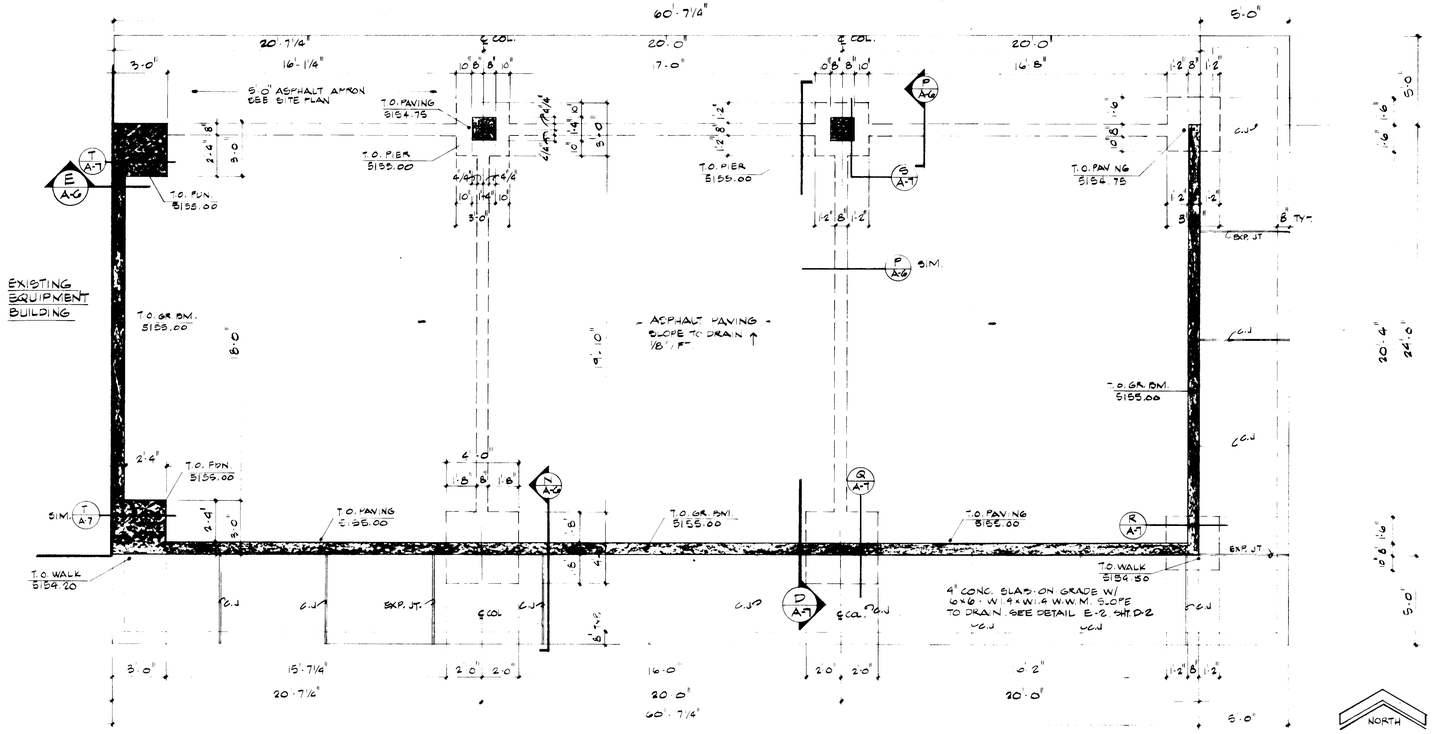
OFFICE/LAB BUILDING
INTERIOR ELEVATIONS
ROOM FINISH SCHEDULE
DOOR; WINDOW SCHEDULES

DATE 01.15.86
REV.
PROJECT NUMBER 2807 SHEET 7 OF 17

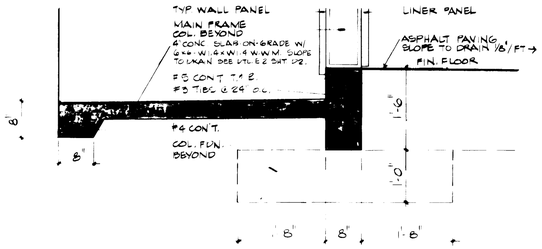
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Monticello Drive NE
Albuquerque, NM 87108
505/255-5550

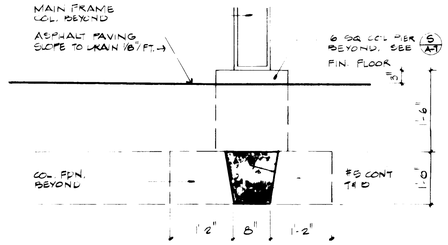
A5



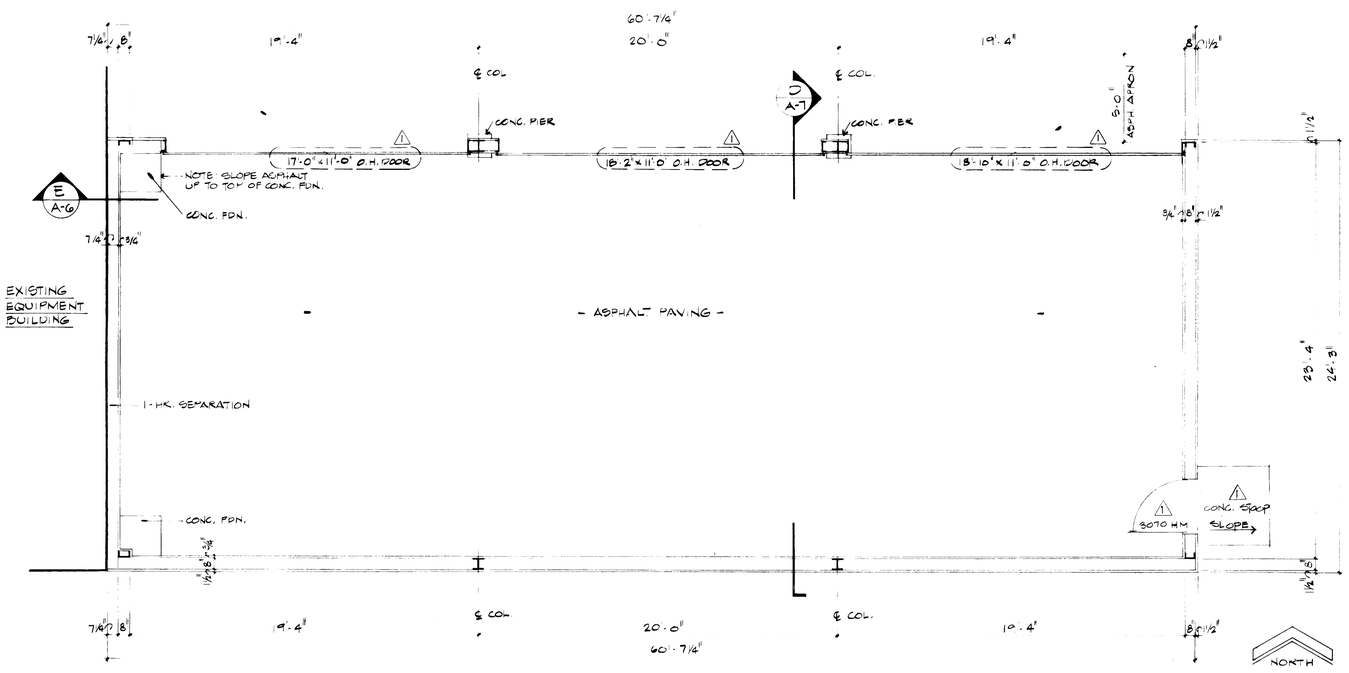
FOUNDATION PLAN - TRUCK SHED 1/4" = 1'-0"



PERIMETER GRADE BEAM 3/4" = 1'-0"



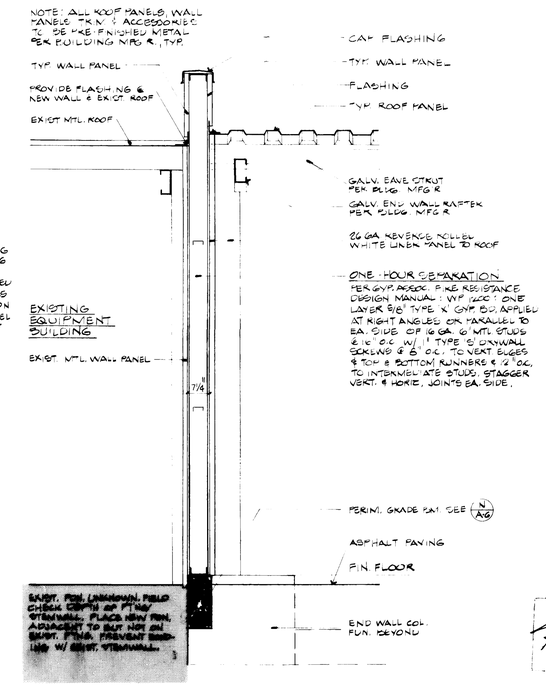
TIE BEAM 3/4" = 1'-0"



NOTES

1. ALL COLD ROLLED FRAMING MEMBERS FOR THIS BUILDING TO BE GALVANIZED.
2. 26 GA. GALV. REVERSE ROLLED COLOR COATED WHITE PANELS W/ 8/8" U.B.P. CORRUGATIONS ON 6" CENTERS UP TO ROOF LEVEL AT ALL INTERIOR WALLS OF TRUCK SHED.

FLOOR PLAN - TRUCK SHED 1/4" = 1'-0"



Russell B. Hirsch 1-12-88

26 28070988

ONE-HOUR SEPARATION 1/2" = 1'-0"

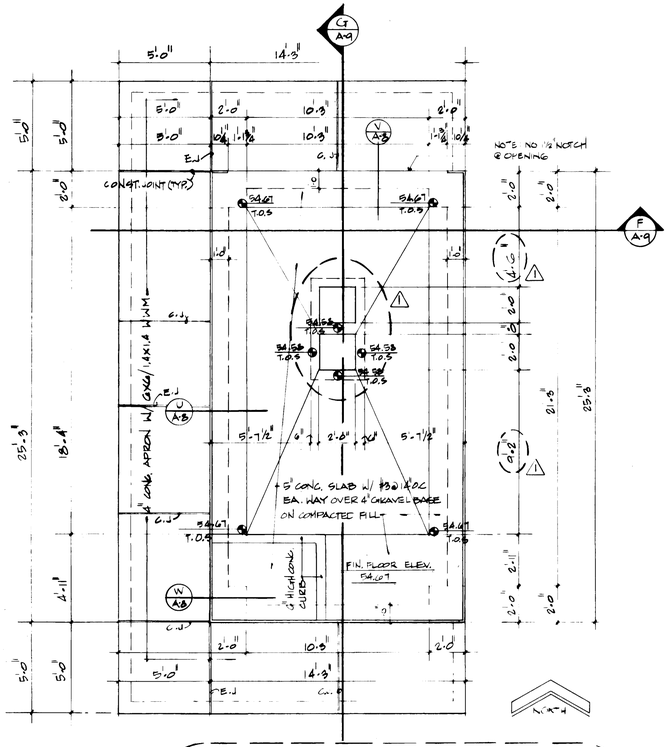
RECORD DRAWING (as-built) information provided by Hirsch Engineering

TRUCK SHED FOUNDATION & FLOOR PLANS FOUNDATION DETAILS SECTION E	
DATE: 10-15-86 REV. △ 10-13-87	SHEET 8 OF 17
PROJECT NUMBER 2807	

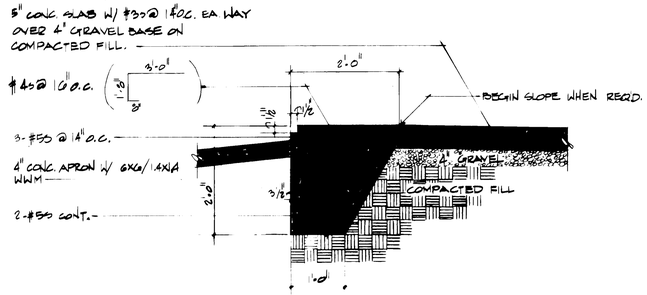
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montgomery Drive NE
Albuquerque, NM 87108
505/266-8820

A6

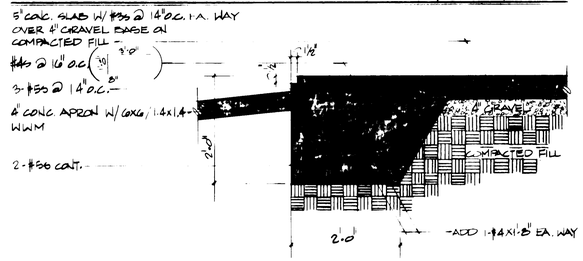


FOUNDATION PLAN 1/4"=1'-0"



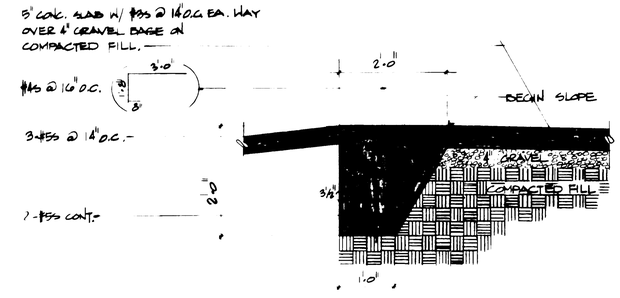
DETAIL U A-8 3/4"=1'-0"

PERIMETER WALL FOUNDATION



DETAIL W A-8 3/4"=1'-0"

CORNER COL. FOUNDATION

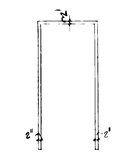


DETAIL V A-8 3/4"=1'-0"

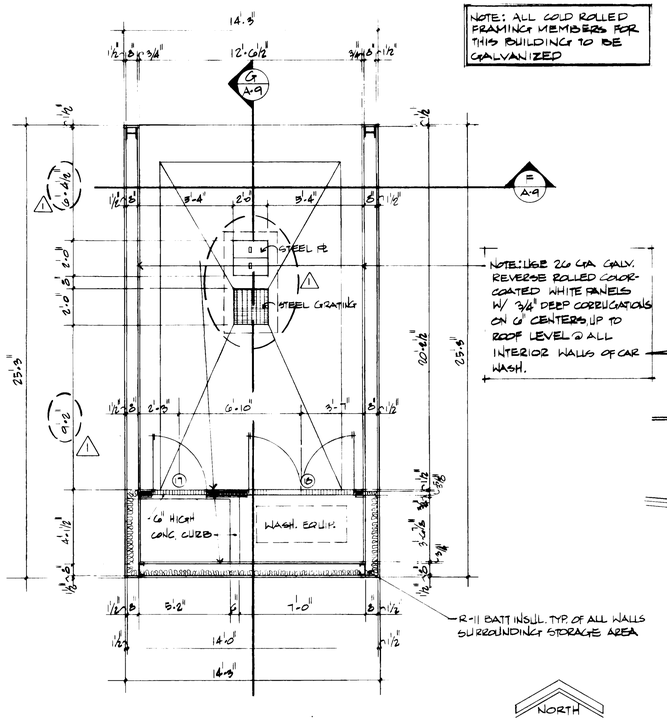
FOUNDATION DETAIL @ SOUTH OPENING

DOOR SCHEDULE						
NO	SIZE	TYPE	HARDWARE	FRAME	THRESHOLD	REMARKS
17	2'-0" x 6'-8" x 1¾"	A	1	H.M.	●	INSULATED
18	2'-0" x 7'-0" x 1¾"	A	2	H.M.	●	INSULATED

DOOR TYPE A



TYP. FRAME

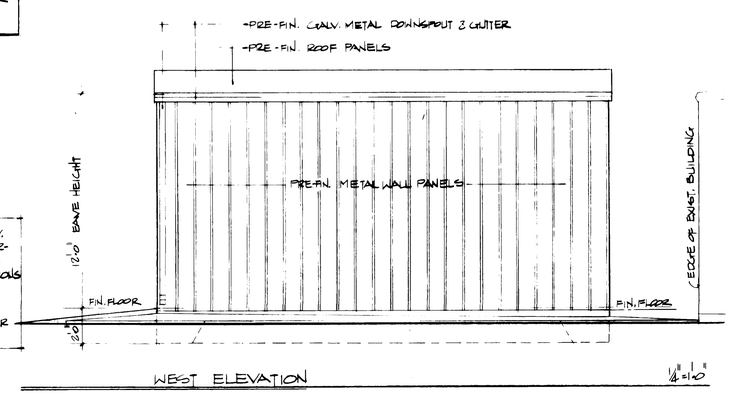


NOTE: ALL COLD ROLLED FRAMING MEMBERS FOR THIS BUILDING TO BE GALVANIZED

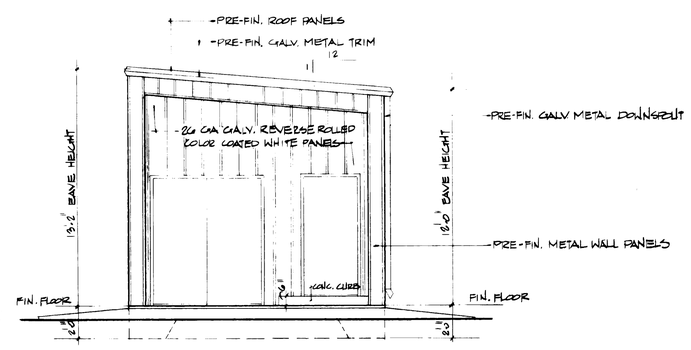
NOTE: USE 26 GA. GALV. REVERSE ROLLED COLOR-COATED WHITE PANELS W/ 3/4" DEEP CORRUGATIONS ON 6" CENTERS UP TO ROOF LEVEL @ ALL INTERIOR WALLS OF CAR WASH.

R-11 BATT INSUL. TYP. OF ALL WALLS SURROUNDING STORAGE AREA

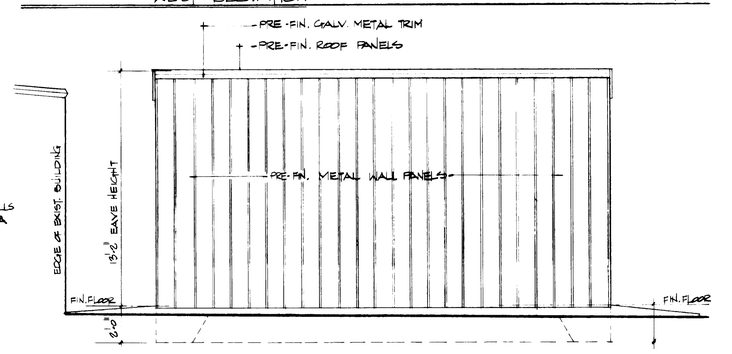
FLOOR PLAN 1/4"=1'-0"



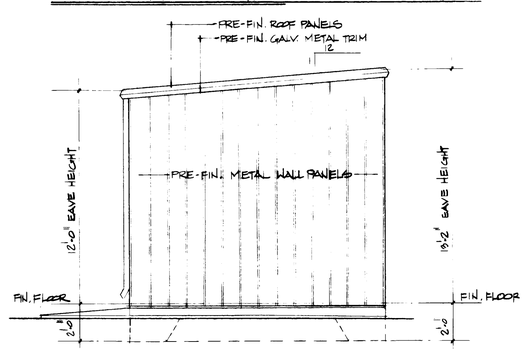
WEST ELEVATION 1/4"=1'-0"



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



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



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

APPROVED BY THE N.M. CITY ENGINEER
Russell B. Fisher
1-12-88

26 28071188

RECORD DRAWING. As built per information as provided by contractor. [illegible]

STATE OF NEW MEXICO
EDWARD L. HOLLOWAY
No. 1532
REGISTERED ARCHITECT

CAR WASH
FOUNDATION & FLOOR PLANS
ELEVATIONS
FOUNDATION DETAILS U, V, W

DATE: 10 15 86
REV: 5/15/88 △ SAND TRAP REVISED

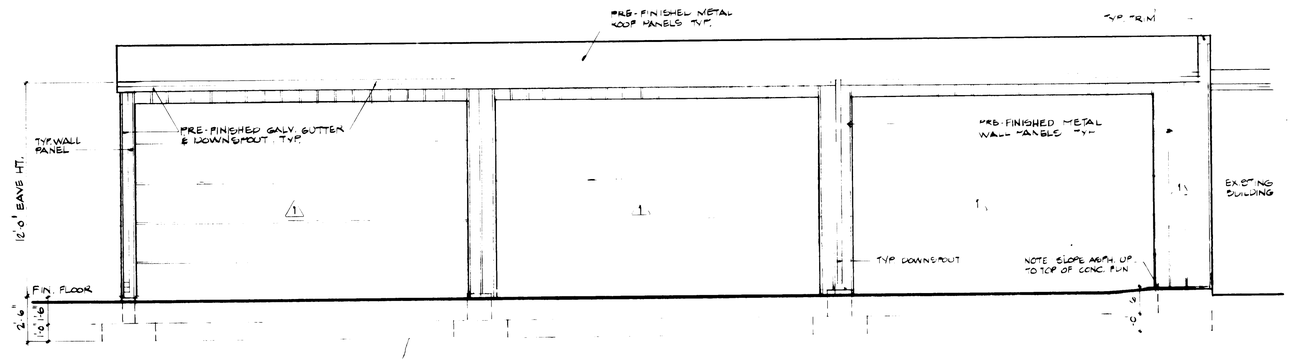
PROJECT NUMBER 2807

SHEET 10 of 17

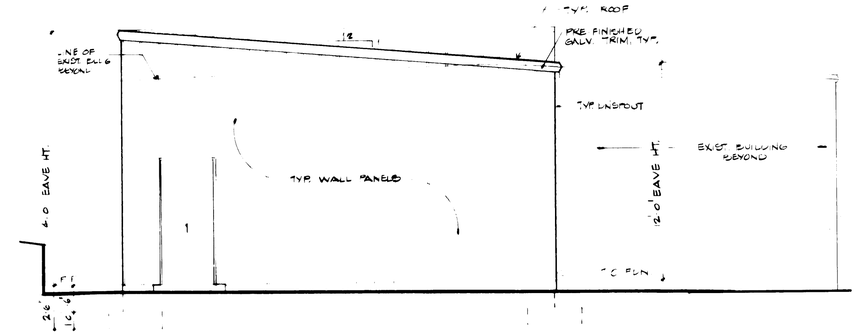
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87123
505/265-8860

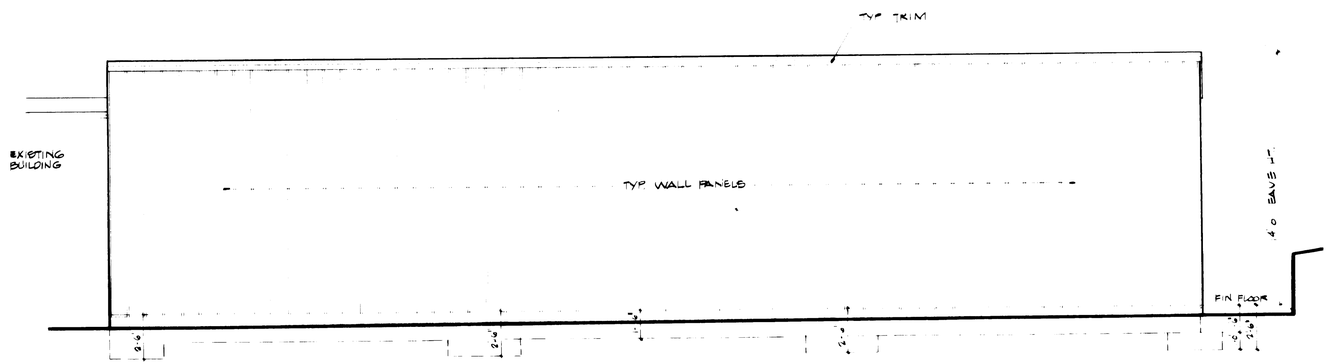
A8



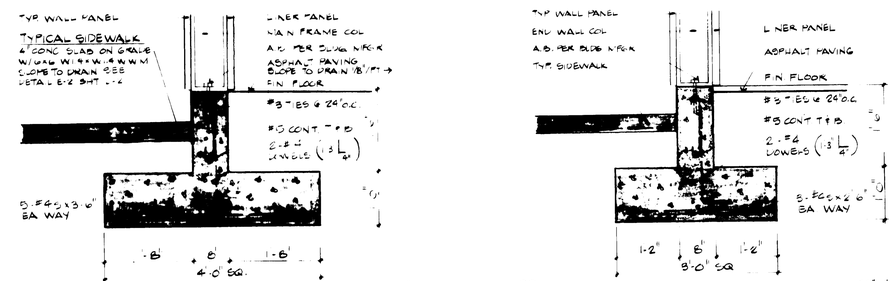
NORTH ELEVATION 1/4"=1'-0"



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

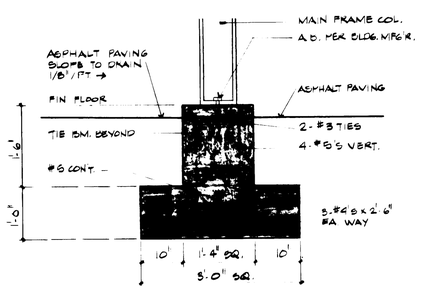


SOUTH ELEVATION 1/4"=1'-0"

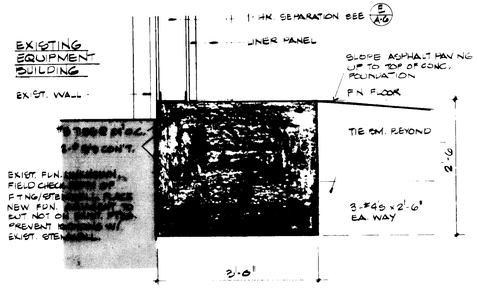


Q A-6 SOUTH MAIN FRAME COL. FDN. 3/4"=1'-0"

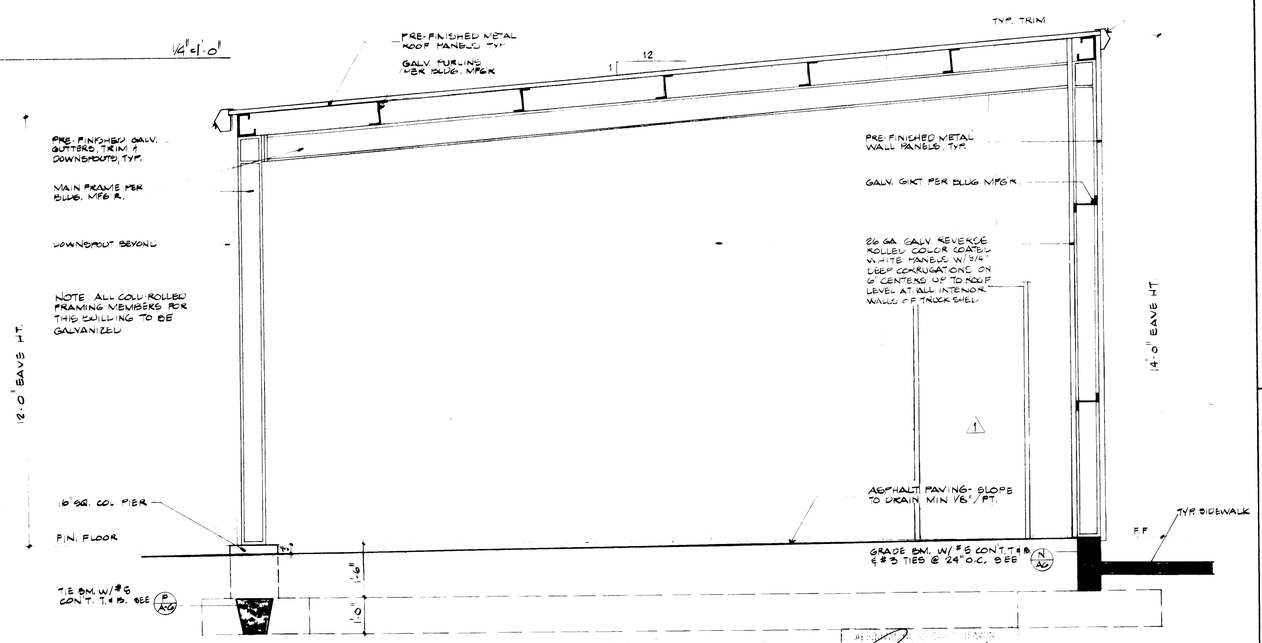
R A-6 EAST END WALL COL. FDN. 3/4"=1'-0"



S A-6 NORTH MAIN FRAME COL. FDN. 3/4"=1'-0"



T A-6 WEST END WALL COL. FDN. 3/4"=1'-0"



26 28071088

Russell B. Fisher 1-12-88

D A-6 BUILDING SECTION - TRUCK SHED 1/2"=1'-0"

RECORD DRAWING, based on information provided by contractor, field verified by Architect

STATE OF NEW MEXICO REGISTERED ARCHITECT

DATE 10-15-86
REV. 1 10-13-87

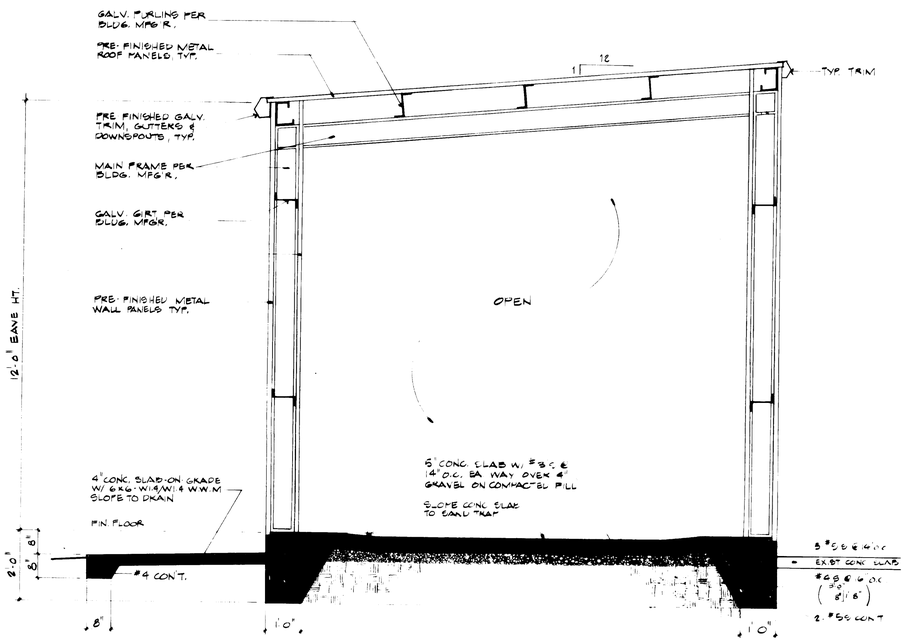
PROJECT NUMBER 2807 SHEET 9 OF 17

TRUCK SHED
FOUNDATION DETAILS: Q, R, S, T
ELEVATIONS
SECTION D

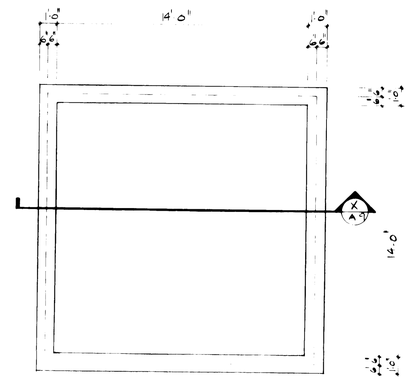
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Monroe Ave. NE
Albuquerque, New Mexico 87108
505/266-6560

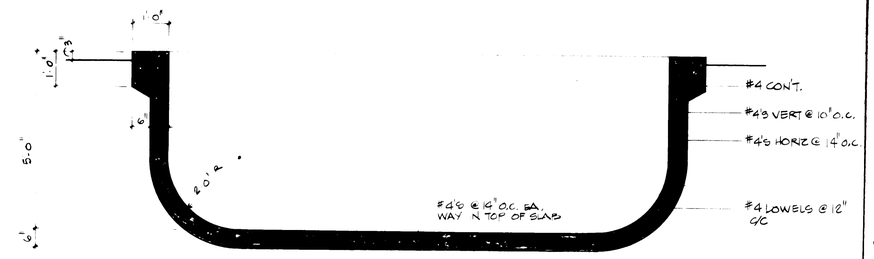
A7



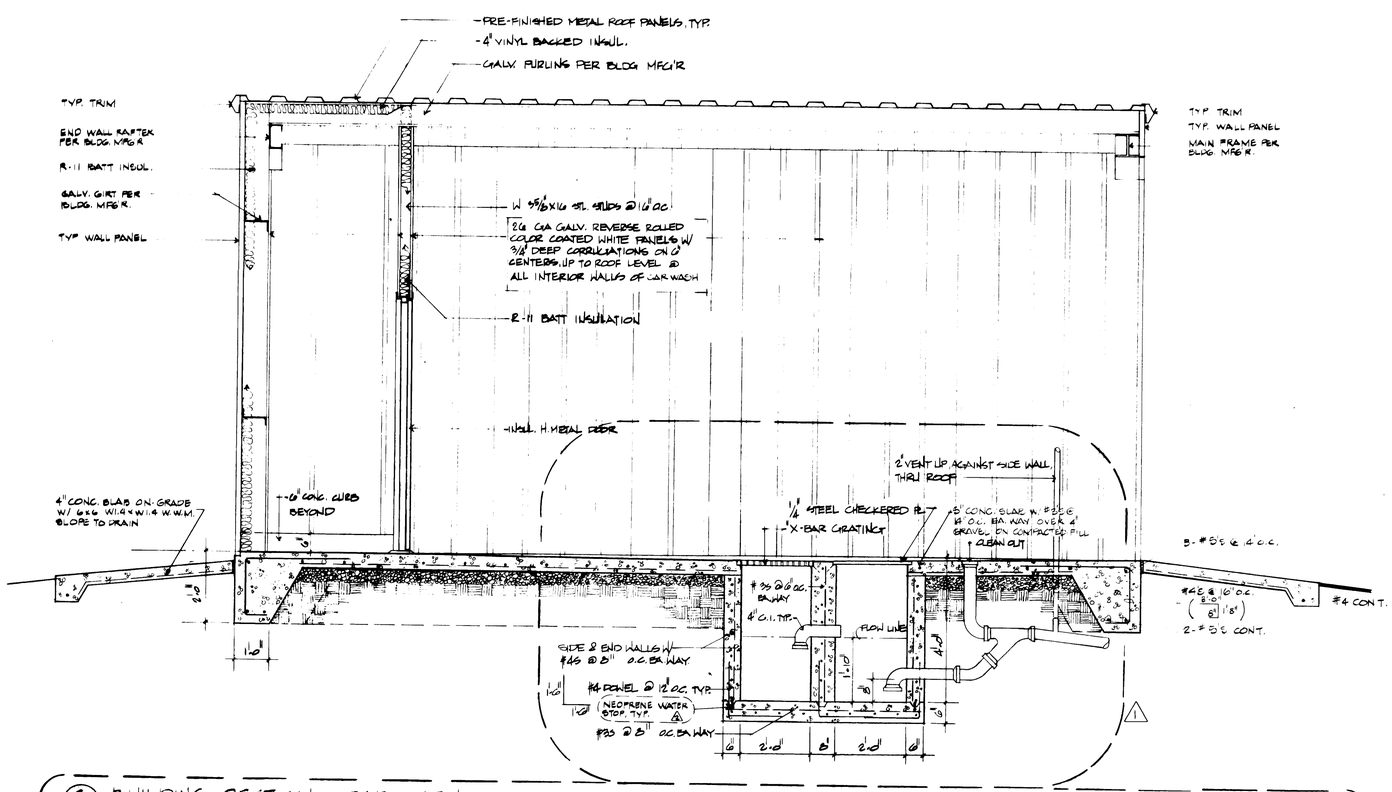
F/A8 BUILDING SECTION - CAR WASH 1/2" = 1'-0"



PLAN - GUNITE RETENTION POND 1/8" = 1'-0"



X/A9 SECTION @ GUNITE RETENTION POND 1/2" = 1'-0"



A8 BUILDING SECTION - CAR WASH 1/2" = 1'-0"

26 28071288

Russell B. Sinclair 1-12-88

RECORD DRAWING

CAR WASH
SECTIONS F & G
GUNITE RETENTION POND

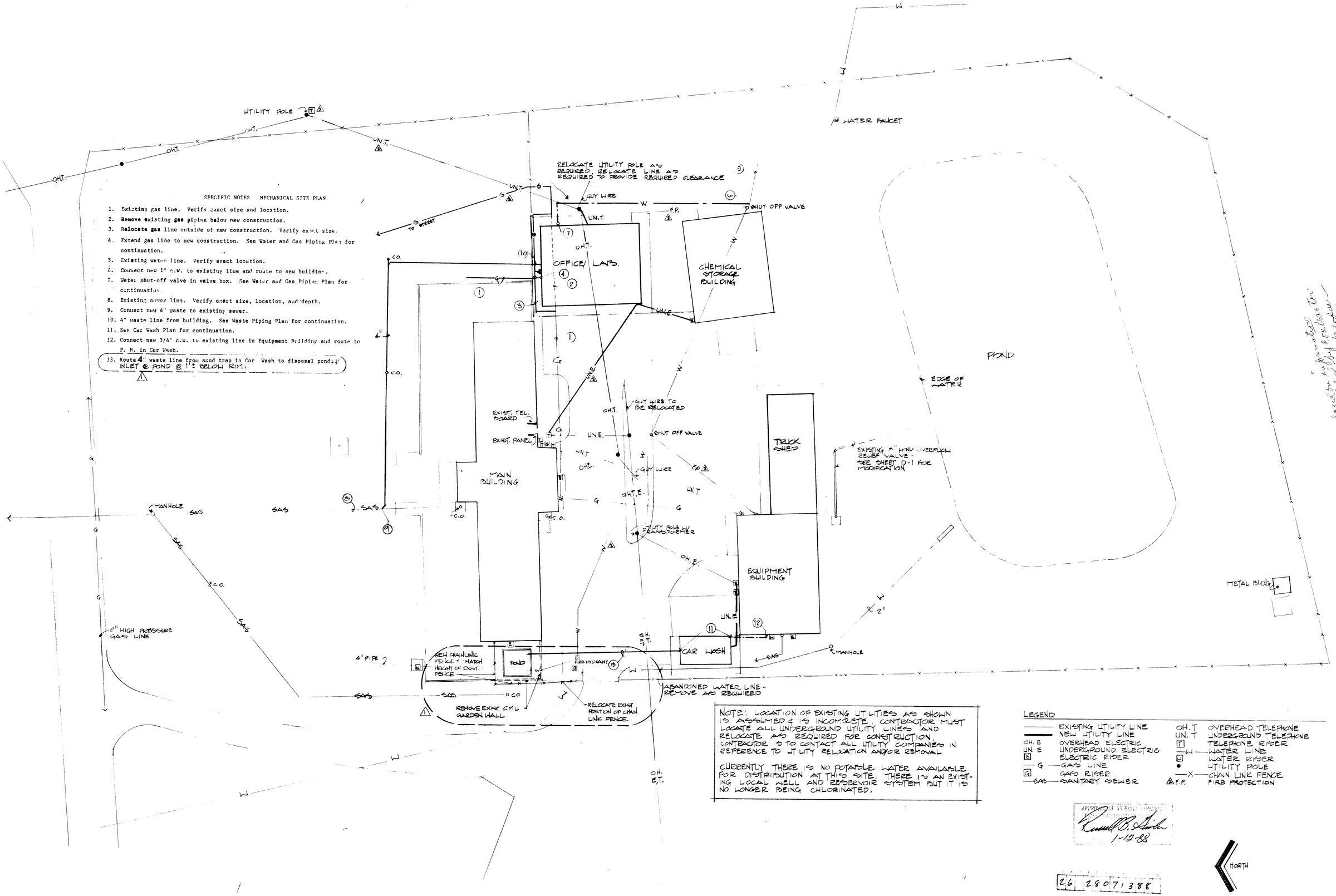
MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS, INC.
413 Montclaire Drive NE
Albuquerque, NM 87108
(505) 268-2888

DATE: 10-16-86
REV: 9-15-86
10-13-87

△ SAND TRAP REVISED
△ WATER STOP

PROJECT NUMBER 2807 SHEET 11 OF 17



SPECIFIC NOTES MECHANICAL SITE PLAN

1. Existing gas line. Verify exact size and location.
2. Remove existing gas piping below new construction.
3. Relocate gas line outside of new construction. Verify exact size.
4. Extend gas line to new construction. See Water and Gas Piping Plan for continuation.
5. Existing water line. Verify exact location.
6. Connect new 1" c.w. to existing line and route to new building.
7. Water shut-off valve in valve box. See Water and Gas Piping Plan for continuation.
8. Existing sewer line. Verify exact size, location, and depth.
9. Connect new 4" waste to existing sewer.
10. 4" waste line from building. See Waste Piping Plan for continuation.
11. See Car Wash Plan for continuation.
12. Connect new 3/4" c.w. to existing line in Equipment Building and route to P. H. in Car Wash.
13. Route 4" waste line from sand trap in Car Wash to disposal pond ⚠ INLET @ POND @ 1'± BELOW RIM.

NOTE: LOCATION OF EXISTING UTILITIES AS SHOWN IS ASSUMED & IS INCOMPLETE. CONTRACTOR MUST LOCATE ALL UNDERGROUND UTILITY LINES AND RELOCATE AS REQUIRED FOR CONSTRUCTION. CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES IN REFERENCE TO UTILITY RELOCATION AND/OR REMOVAL

CURRENTLY THERE IS NO POTABLE WATER AVAILABLE FOR DISTRIBUTION AT THIS SITE. THERE IS AN EXISTING LOCAL WELL AND RESERVOIR SYSTEM BUT IT IS NO LONGER BEING CHLORINATED.

LEGEND

——	EXISTING UTILITY LINE	OH. T	OVERHEAD TELEPHONE
▬▬	NEW UTILITY LINE	UN. T	UNDERGROUND TELEPHONE
OH. E	OVERHEAD ELECTRIC	T	TELEPHONE RISER
UN. E	UNDERGROUND ELECTRIC	—W—	WATER LINE
E	ELECTRIC RISER	W	WATER RISER
—G—	GAS LINE	●	UTILITY POLE
G	GAS RISER	—X—	CHAIN LINK FENCE
—SAS—	SANITARY SEWER	△F.P.	FIRE PROTECTION

APPROVED AS BUILT DRAWING
Russell B. Smith
1-12-88

26 28071388

NORTH

RECORD DRAWING
Reviewed for general conformance with design concept
Russell B. Smith 1/18/88

STATE OF NEW MEXICO
CHARLES Z. MELENDEZ
No. 1512
REGISTERED ARCHITECT

DATE 10-15-86
REV: 3-15-86 △PAD LOCATION REVISED, NOTE 13

PROJECT NUMBER 2807 SHEET 12 OF 17

UTILITY SITE PLAN.

MONTESSA PARK RENOVATION
FOR THE
CITY OF ALBUQUERQUE
ENVIRONMENTAL HEALTH DEPARTMENT

METRON ARCHITECTS GROUP
413 Montclaire Drive NE
Albuquerque, NM 87108
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