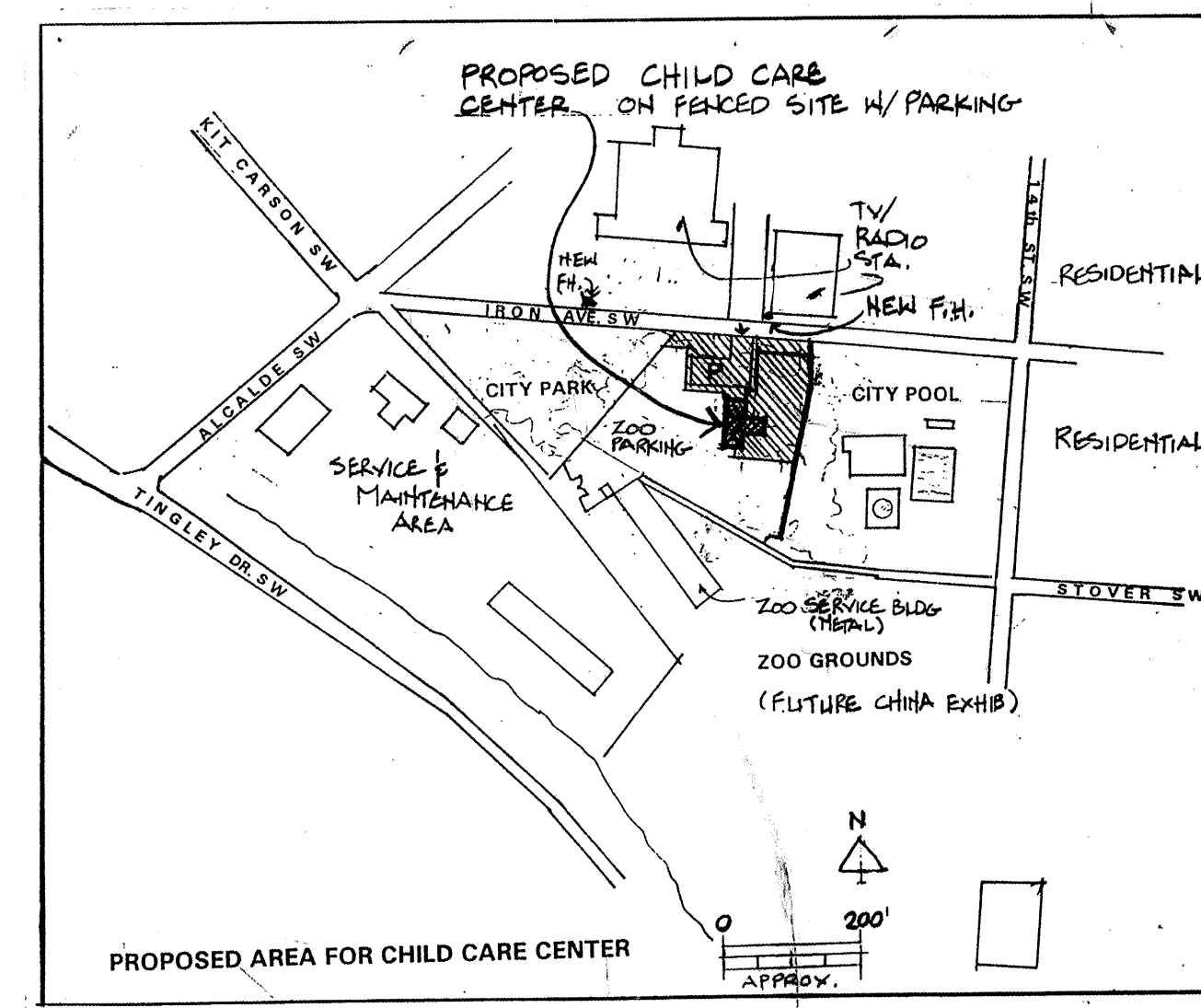


BARELAS AREA

# CHILD CARE CENTER

for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

NOTE: ANY WORK OCCURRING WITHIN THE CITY RIGHT OF WAY  
REQUIRES COMPLIANCE WITH THE ORANGE BARREL POLICY.



ZONE ATLAS PAGE NO.: K-13-Z

## CODE CRITERIA

1991 UNIFORM BUILDING CODE

1991 NEW MEXICO BUILDING CODE

NFPA 101

ANSI A-117.1 - 1992

1991 A.D.A. 28 C.F.R. PART 36

UNIFORM PLUMBING CODE

NATIONAL ELECTRIC CODE

SEISMIC ZONE: 2B

## DESIGN CRITERIA:

GROSS SQ.FT. = 3,080

OCCUPANCY: E-1

CONSTRUCTION TYPE: V-N

2 EXITS PROVIDED PER CLASSROOM PER TABLE 33-A

S.F. classroom:	2,252
S.F. office:	108
Total occupied s.f.:	2,360
@ 35 sf/person =	68 occupants

TOILET FIXTURE COUNT PER UPC APPENDIX C:  
34 OCCUPANTS PER GENDER

	WC: required	provided	LAV.: required	provided	DRINKING FOUNTAIN
BOYS	2	2	2	2	
GIRLS	2	2	2	2	
STAFF	2	2	2	2	
TOTAL		6		6	2

## RECORD DRAWINGS:

revisions drawn by: *[Signature]* date: July 1, 1997

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT, NOR MANNER OF CONSTRUCTION. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE RECORD DRAWINGS.

## ARCHITECT:

SIEGEL DESIGN  
2726 CANDELARIA N.W.  
ALBUQUERQUE, NEW MEXICO 87107  
505 344 6746

## STRUCTURAL AND CIVIL ENGINEER:

RED MOUNTAIN ENGINEERS  
4600-C MONTGOMERY BLVD.  
SUITE 101  
ALBUQUERQUE, NEW MEXICO 87109  
505-889-3004

## MECHANICAL & PLUMBING ENGINEER:

GIOMI ENGINEERING, INC.  
3216 SILVER S.E.  
ALBUQUERQUE, NEW MEXICO 87106  
505 268 5421

## ELECTRICAL ENGINEER:

RMS ENGINEERING  
4015 CARLISLE N.E.  
ALBUQUERQUE, NEW MEXICO 87107  
505 881 1288

## LANDSCAPE ARCHITECT:

JOHNS, A.S.L.A.  
3218 SILVER S.E.  
ALBUQUERQUE, NEW MEXICO 87106  
505 266 8027

## INDEX TO DRAWINGS:

T-1	TITLE / LEGAL / ALTERNATES
C-1	GRADING & DRAINAGE PLAN SITEWORK AND SITE UTILITIES
C-2	SITE SURVEY (information only)
C-3	ARCHITECTURAL SITE PLAN & BASE BID LANDSCAPE PLAN
C-4	LANDSCAPE PLAN ALT #3
C-5	GENERAL NOTES

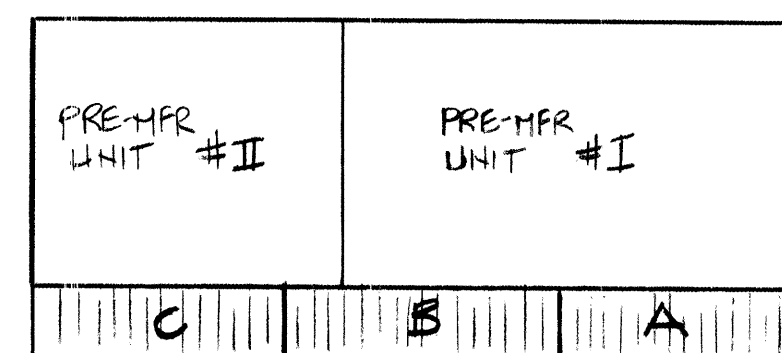
A-1	FLOOR PLAN: BASE BID
A-2	FLOOR PLAN: ALT. #1 & #2
A-3	BUILDING SECTIONS / ELEVATIONS
A-4	BUILDING ELEVATIONS: BASE BID
A-5	BUILDING ELEVATIONS: ALT. #1 & #2
A-6	ROOF PLAN & ROOF DETAILS
A-7	REFLECTED CEILING PLAN
A-8	WALL SECTIONS & INTERIOR ELEVATIONS
A-9	SCHEDULES & DETAILS
S-0	STRUCTURAL NOTES
S-1	STRUCTURAL FOUNDATION PLAN : BASE BID
S-2	ROOF & FLOOR FRAMING: BASE BID
S-3	FOUNDATION & FLOOR FRAMING: ADD. ALT. #1 & 2
S-4	ROOF FRAMING: ADD. ALT. # 1 & 2
S-5	WALL SECTIONS & DETAILS

M-1	MECHANICAL PLAN
P-1	PLUMBING

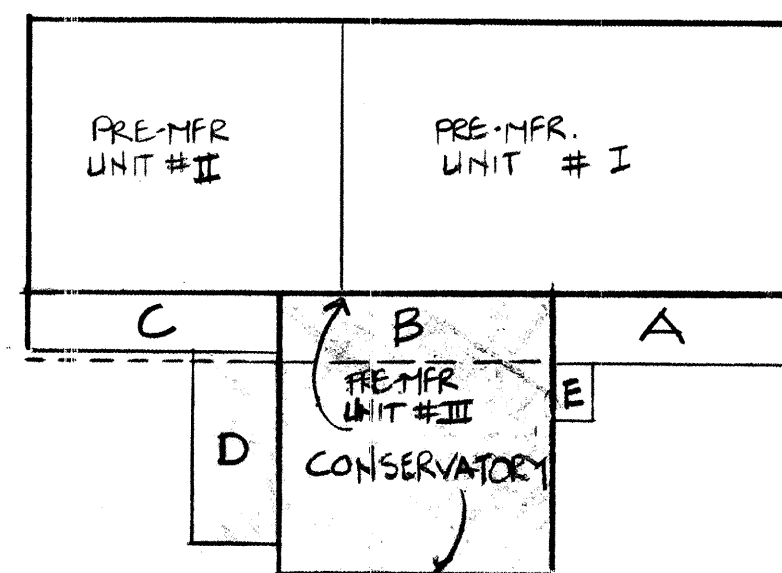
E-1	ELECTRICAL: LIGHTING
E-2	ELECTRICAL: POWER

## DIAGRAM OF BASE BID AND ALTERNATES

ALL ALTERNATES (1, 2 & 3) TAKEN & BUILT

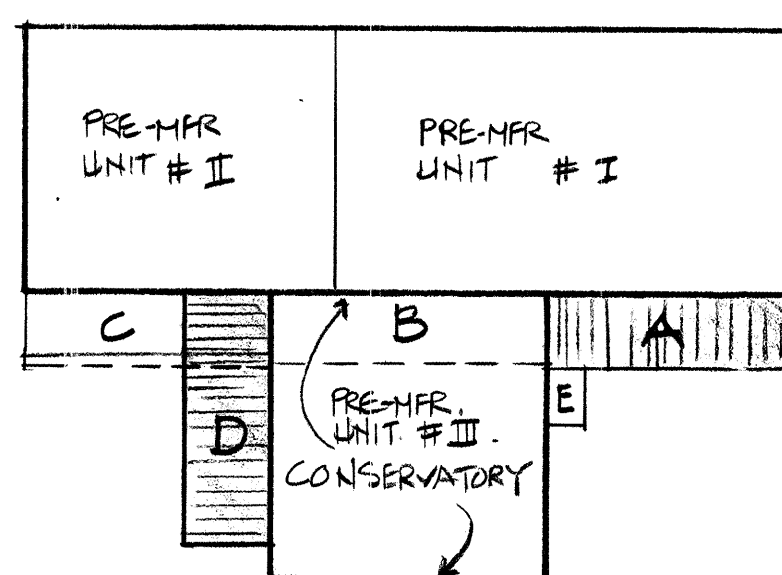


BASE BID:  
INCLUDING CONCRETE PORCHES AND  
TRELLISES 'A', 'B', AND 'C'.



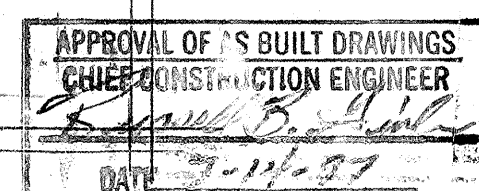
ALTERNATE #1: ADD CONSERVATORY, COMPLETE AS  
INDICATED IN DRAWINGS INCLUDING THE FOLLOWING  
ADJUSTMENTS:  
A. ADD:  
1. CONSERVATORY MODULE 28' X 30' COMPLETE.  
2. FURNACE F-3 AND DUCTWORK  
3. EXTERIOR CONCRETE SLABS 'D' & 'E'  
4. ADJUST GRADING TO MEET SLABS 'D' & 'E'

B. DELETE:  
1. TRELLIS 'A', 'B' & 'C' AT EAST SIDE OF BASE BID  
2. CONCRETE SLAB 'B'  
3. 1-1/2 FT. OF CONCRETE AT SLAB 'C' (REDUCED IN  
WIDTH FROM 8'-6" TO 7'-0").  
4. STUCCO AND GLASS BLOCK FROM BASE BID  
MODULE WHERE CONSERVATORY ATTACHES



ALTERNATE #2: ROOFED PORCH ("PORTAL") STRUCTURE  
FOR CONSERVATORY INCLUDING THE FOLLOWING  
ADJUSTMENTS:  
A. ADD:  
1. CONSTRUCT PORTAL AT CONCRETE SLAB 'D' AS  
CONFIGURED FOR BUILDING WITH CONSERVATORY  
ADDED. THIS ALTERNATE WILL ONLY BE TAKEN IF  
ALTERNATE #1 IS TAKEN.  
2. CONSTRUCT TRELLIS 'A'.

ALTERNATE #3: SEE LANDSCAPING PLAN



SIEGEL DESIGN  
2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

BARELAS AREA  
CHILD CARE CENTER  
for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

PROJECT NO.  
ARCH: 9519

DATE REV.  
21 AUG 96

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRG Chairman		<i>[Signature]</i>		9-6-96	
		Transportation		<i>[Signature]</i>		8-29-96	
		Water/Wastewater		<i>[Signature]</i>		8-29-96	
		Hydrology		<i>[Signature]</i>		8-29-96	
		Parks		<i>[Signature]</i>		8-29-96	
Constr. Mgmt.		<i>[Signature]</i>					
City Project No.		5183.91		City Engineer		Date	
Sheet		T1		of		25	

## LEGAL DESCRIPTION

A PORTION OF RIO GRANDE PARK

## DRAINAGE NOTES

THE PROJECT IS LOCATED WITHIN RIO GRANDE PARK AT 1440 IRON AVE SW. THE PROPOSED IMPROVEMENTS INCLUDE CONSTRUCTION OF A CHILD CARE BUILDING, A PLAYGROUND AND A PAVED PARKING AREA.

AS SHOWN ON THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CITY OF ALBUQUERQUE, NEW MEXICO, PANEL 28 OF 50, COMMUNITY PANEL NO. 350002 0028 C PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) AND DATED OCTOBER 14, 1983, THE SITE LIES IN ZONE B AND IS NOT IN A 100-YEAR FLOOD HAZARD AREA.

THE EXISTING SITE IS APPROXIMATE LEVEL; RAINFALL PONDS ONSITE AND THERE ARE NO DEFINED OR DISCERNABLE FLOWLINES AND NO RAINFALL RUNOFF FLOWS ONSITE FROM OFFSITE AREAS.

THE EXISTING ELEVATIONS AND TOPOGRAPHY SHOWN ON THIS PLAN WERE PREPARED BY THE CITY OF ALBUQUERQUE.

AN INVESTIGATION OF THE SITE BY RED MOUNTAIN ENGINEERS, INC. INDICATES THAT THE TOPOGRAPHY IS ACCURATE AND THAT NO FILL OR EXCAVATION HAS TAKEN PLACE SINCE THE SURVEY WAS PERFORMED.

## RUNOFF CALCULATIONS

THE FOLLOWING CALCULATIONS WERE PERFORMED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM) VOLUME 2, DESIGN CRITERIA, SECTION 22.2 HYDROLOGY, DATED JANUARY 1993.

ZONE ATLAS PAGE: K13  
PRECIPITATION ZONE: 2.27  
6-HOUR PRECIPITATION, P(360) 100-YEAR:

## PRE-DEVELOPMENT CONDITION:

LAND TREATMENT	C	A (SF)	A (ACRE)	CxA
A (UNDISTURBED)	0.31	23,200	0.53	0.17
B (LANDSCAPED)	0.62	0	0.00	0.00
C (COMPACTED SOIL)	0.62	0	0.00	0.00
D (IMPERVIOUS)	0.93	0	0.00	0.00
TOTAL:		23,200	0.53	0.17

WEIGHTED C= SUM(CxA)/SUM(A) 0.31  
TIME OF CONCENTRATION (HR), TC= 0.17  
RAINFALL INTENSITY (INCHES/HOUR), I= 6.06  
PEAK DISCHARGE (CFS), Q(100)=CIA= 1.0  
EXCESS PRECIPITATION, E= 0.28  
BASE TIME, TB= 0.32  
TIME TO PEAK, TP= 0.25  
DURATION OF PEAK=0.25xAD/AT= 0.00  
VOLUME OF DISCHARGE (CUBIC FEET)= 0.2

## POST-DEVELOPMENT CONDITION:

LAND TREATMENT	C	A (SF)	A (ACRE)	CxA
A (UNDISTURBED)	0.31	0	0.00	0.00
B (LANDSCAPED)	0.45	14,000	0.32	0.14
C (COMPACTED SOIL)	0.62	0	0.00	0.00
D (IMPERVIOUS)	0.93	9,200	0.21	0.20
TOTAL:		23,200	0.53	0.34

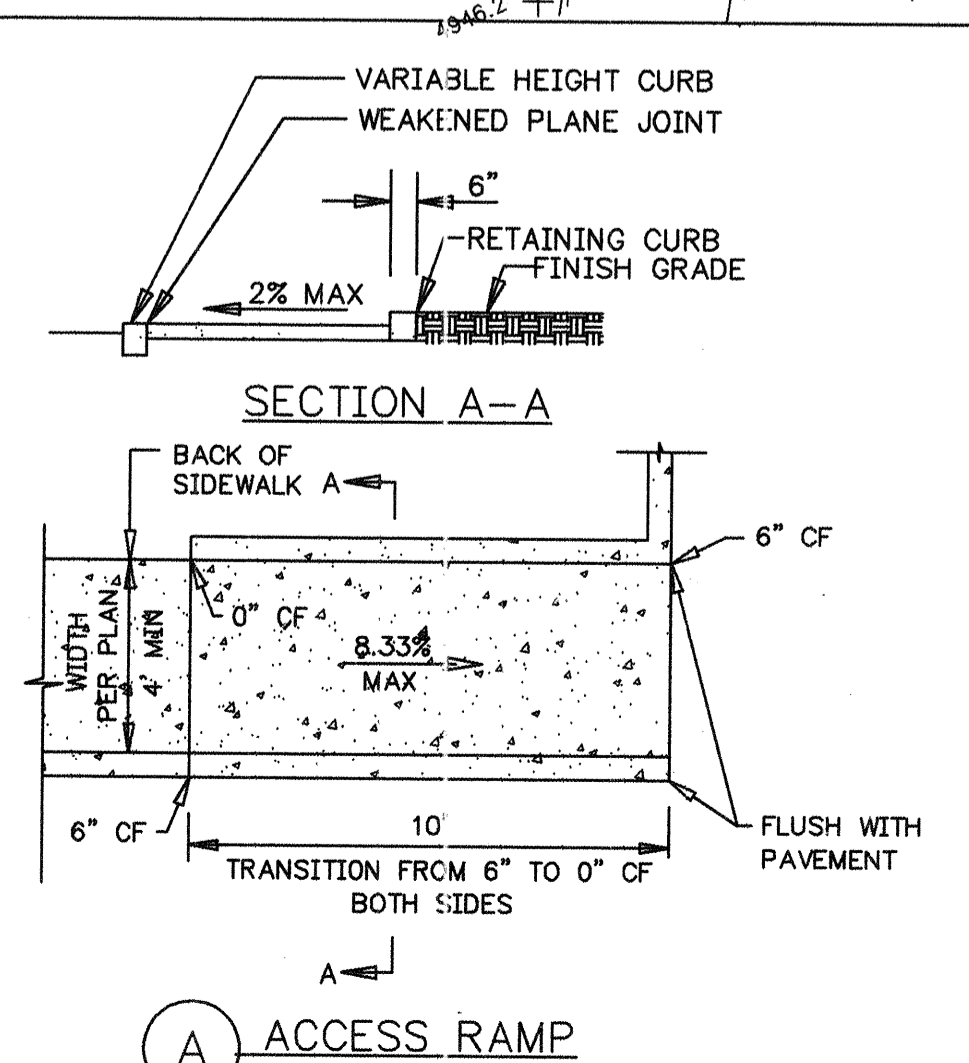
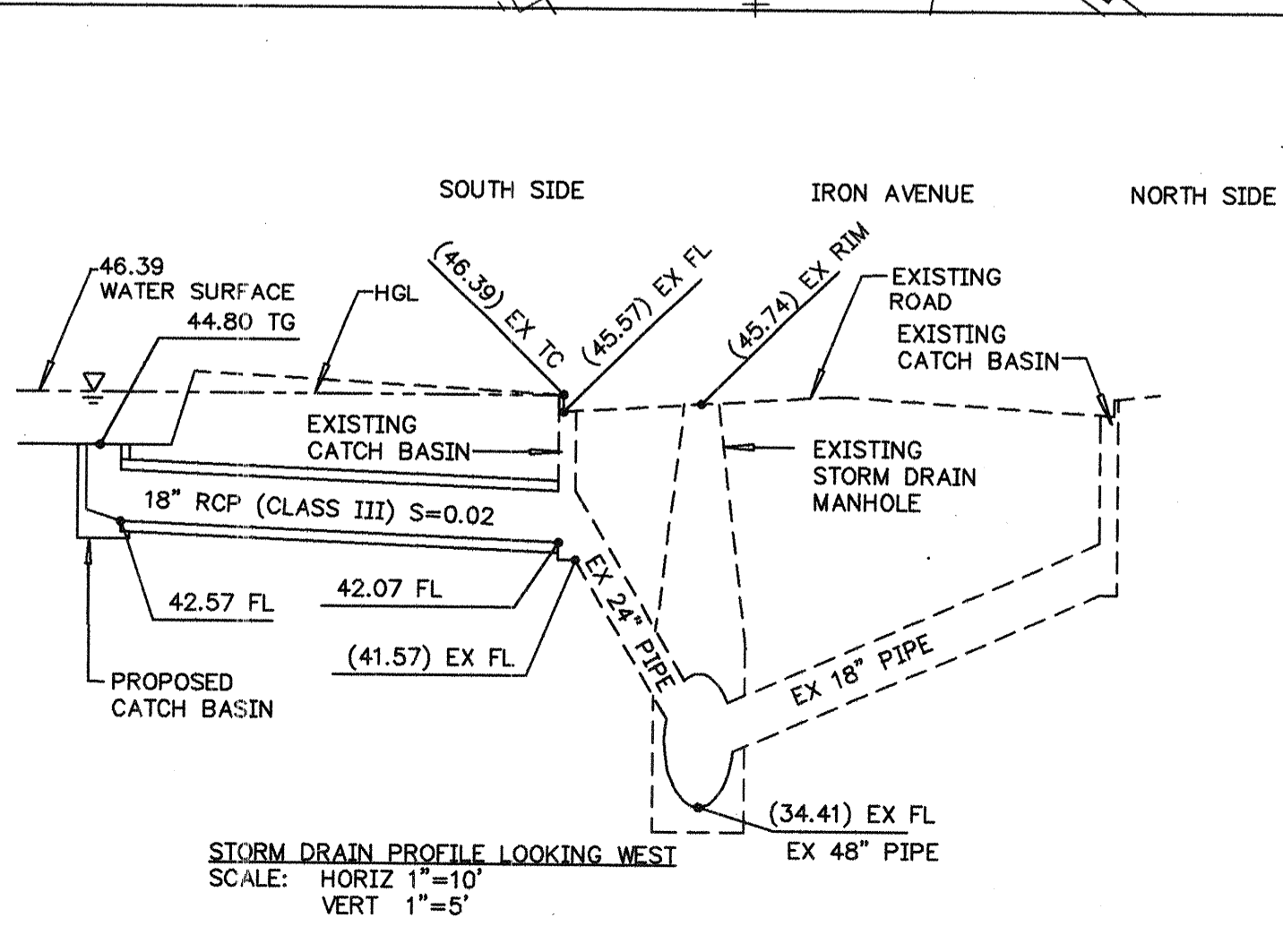
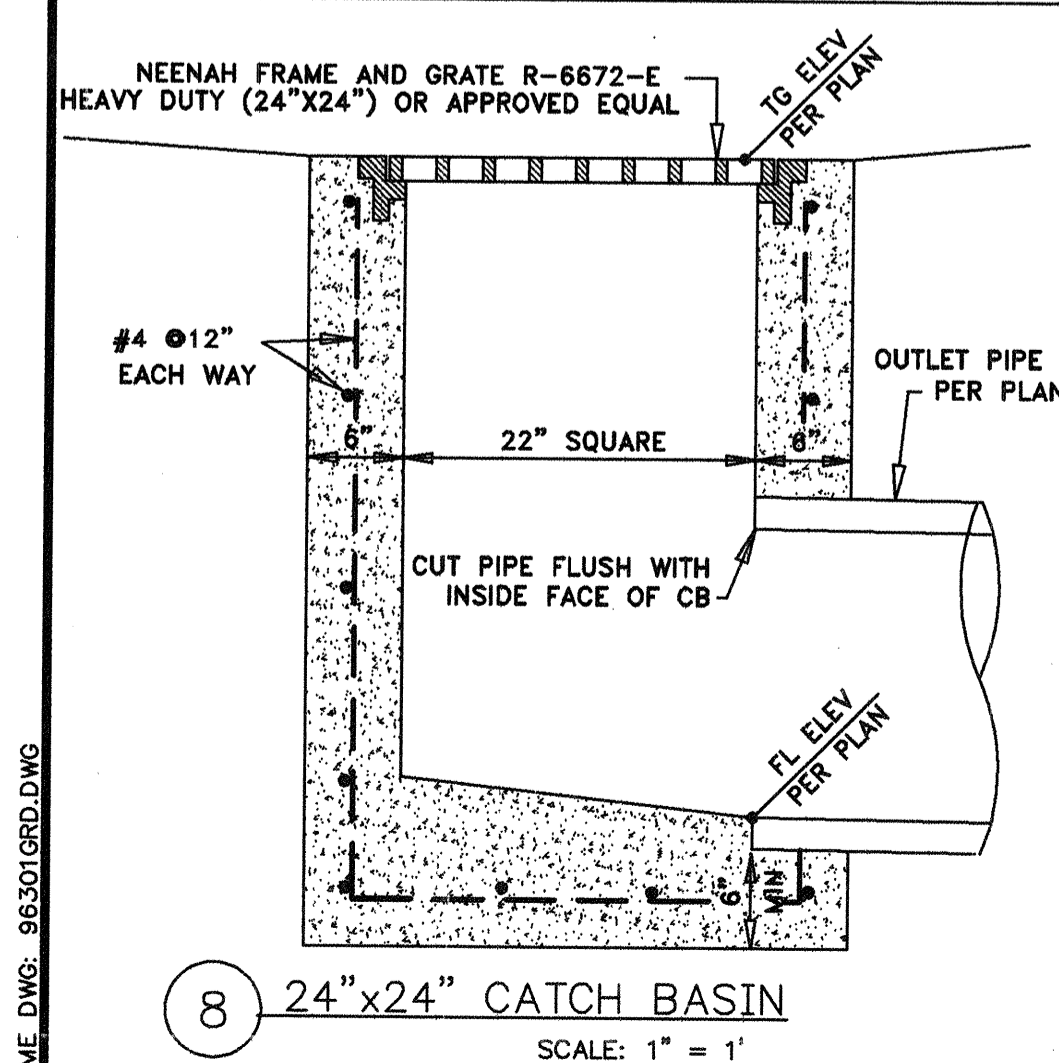
WEIGHTED C= SUM(CxA)/SUM(A) 0.64  
TIME OF CONCENTRATION (HR), TC= 0.17  
RAINFALL INTENSITY (INCHES/HOUR), I= 6.06  
PEAK DISCHARGE (CFS), Q(100)=CIA= 2.1  
EXCESS PRECIPITATION, E= 1.31  
BASE TIME, TB= 0.61  
TIME TO PEAK, TP= 0.22  
DURATION OF PEAK=0.25xAD/AT= 0.10  
VOLUME OF DISCHARGE (CUBIC FEET)= 1.2

## REQUIRED PONDING VOLUME (CUBIC FEET)

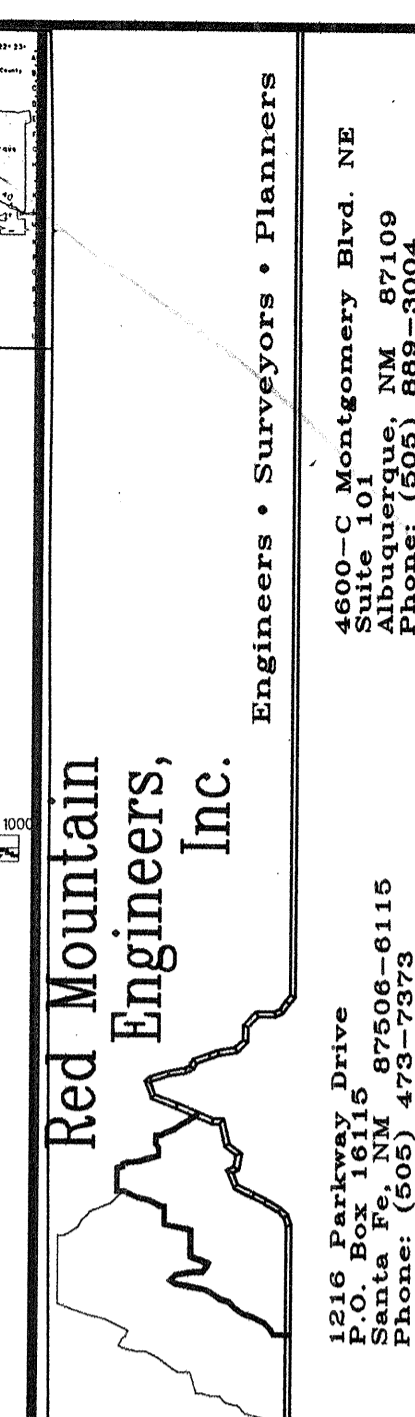
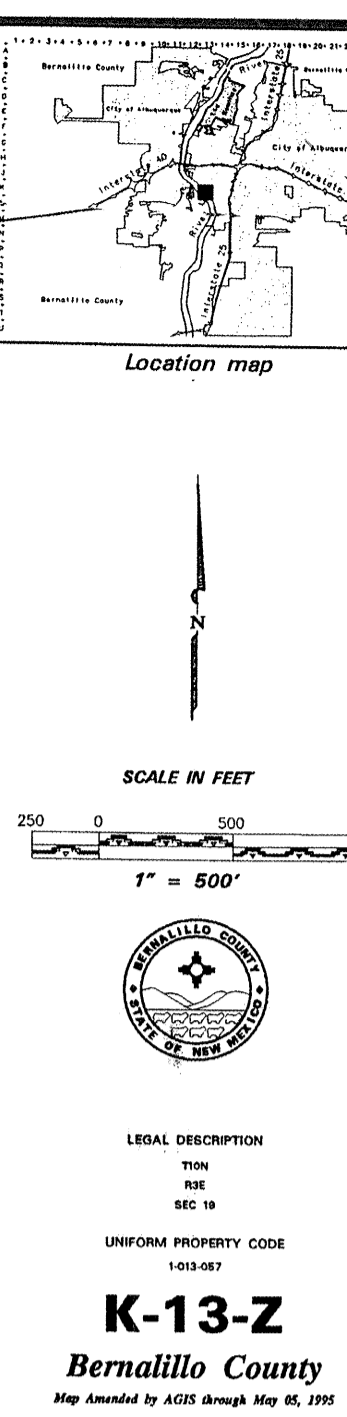
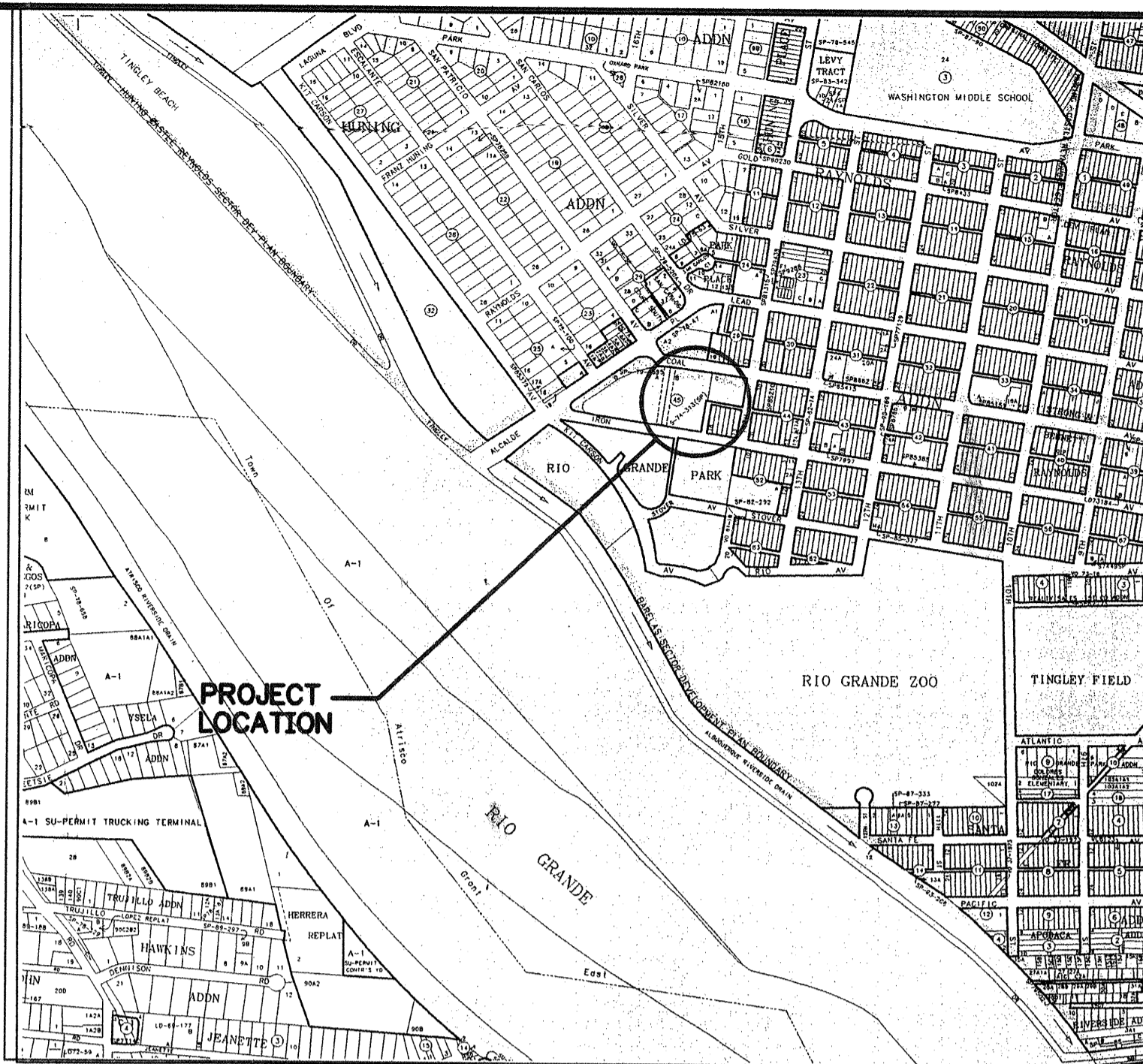
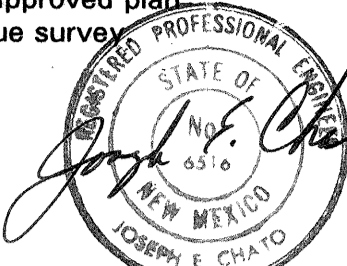
## PONDING AND DISCHARGE

THE EXISTING STORM DRAIN IN IRON AVENUE FLOWS FULL DURING STORM CONDITIONS AND THE HYDRAULIC GRADE LINE AT THE EXISTING DRAINAGE INLET IN IRON AVENUE IS ASSUMED TO BE AT THE TOP OF CURB.

THE SITE WILL BE GRADED TO DRAIN TO AN ONSITE CATCH BASIN; RUNOFF WILL POND AT THE CATCH BASIN UNTIL THE HYDRAULIC GRADE LINE IN THE EXISTING STORM DRAIN FALLS AND ALLOWS THE POND TO DRAIN. THE PROPOSED POND HAS A VOLUME OF 7.6 CUBIC FEET, A MAXIMUM DEPTH OF 1.7 FEET.



I, Joseph E. Chabot of Red Mountain Engineers, Inc., certify that this project is constructed in substantial compliance with the approved plan per as-built information provided by the City of Albuquerque survey.



## CONSTRUCTION NOTES:

1. CONSTRUCT CURB BREAK
2. SEE ARCHITECTURAL PLANS FOR FENCE DETAILS
3. CONSTRUCT 6"x14" HEADER CURB SIMILAR TO CITY DWG 2415
4. CONSTRUCT 4" THICK CONCRETE SIDEWALK
5. CONSTRUCT DRIVE PAD PER CITY DWG 2425
6. CONSTRUCT 3" AC PAVEMENT PER CITY DWG 2425
7. PROTECT EXISTING TREE
8. CONSTRUCT 12" CATCH BASIN; SEE DETAIL, THIS SHEET
9. CONSTRUCT 18" RCP (CLASS III); SEE PROFILE, THIS SHEET
10. CONNECT TO JOIN EXISTING STORM DRAIN INLET SEE CITY STANDARD DETAIL NO. 2237

## STAKING NOTE:

INFORMATION SHOWN IS FOR THE GRADING AND DRAINAGE PLAN ONLY, AND NOT TO BE USED FOR STAKING PURPOSES. SEE SITE PLAN FOR ACTUAL LOCATION OF IMPROVEMENTS.

## TOPOGRAPHY NOTE:

ALL EXISTING TOPOGRAPHIC SURVEY DATA SHOWN ON THESE PLANS HAS BEEN OBTAINED BY OTHERS. RED MOUNTAIN ENGINEERS, INC. HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION, AND MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREOF.

## RECORD DRAWINGS:

revisions drawn by: [Signature] date: July 1, 1997

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT, NOR MANNER OF CONSTRUCTION. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE RECORD DRAWINGS.

## BENCH MARK:

LOCATION	DESCRIPTION	ELEVATION
NORTH OF THE INTERSECTION OF TINGLEY DRIVE AND ALCALDE PL.; 34' NE FROM THE CENTERLINE OF TINGLEY DR., 30.6' NW FROM THE CENTERLINE OF ALCALDE PL.; 55' SW FROM THE CENTERLINE OF RIVERSIDE DRAIN AND 5.7' NW FROM A POWER POLE.	3" BWM BRASS CAP SET IN CONCRETE FLUSH WITH GROUND AND STAMPED "6-K13" (SDL 1929)	4956.95 FT. (1510.88 m)

## UTILITY NOTES:

IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWING, THEY ARE SHOWN IN APPROXIMATE MANNER ONLY. UTILITY LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OR PIPELINE COMPANY, THE OWNER, OR BY OTHERS. THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING ABOVE AND UNDERGROUND UTILITIES, OR EXISTING PIPELINES. THE ENGINEER MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREOF. THE CONTRACTOR SHALL INFORM HIMSELF OF THE LOCATION OF ANY EXISTING ABOVE AND UNDERGROUND UTILITIES, AND EXISTING PIPELINES, IN AND NEAR THE AREA OF THE WORK, IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING ABOVE AND UNDERGROUND UTILITIES, AND EXISTING PIPELINES. THE CONTRACTOR IS URGED TO COMPLY WITH STATE STATUTES, PERTAINING TO THE LOCATION OF THESE LINES, IN PLANNING AND CONDUCTING EXCAVATION WORK.

## CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN THE CITY RIGHT OF WAY

## NOTICE TO CONTRACTOR:

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

PROJECT: 5183.91	FILE NAME: 5183.91.DWG	DATE: 19 JUL 96	SCALE: 1" = 20'
DESIGN: 96301	CHECKED: ARW	DRAWN: WLV	
City Engineer Approval		MAP NO. K-13	
City Project No. 5183.91		Zone Map No. K-13	Sheet 1 of 25

Red Mountain Engineers, Inc.  
Engineers • Surveyors • Planners  
4600-C Montgomery Blvd. NE  
Albuquerque, NM 87109  
Phone: (505) 658-5054

BARELAS CHILD CARE CENTER

GRADING AND DRAINAGE PLAN

PROJECT: BARELAS CHILD CARE CENTER

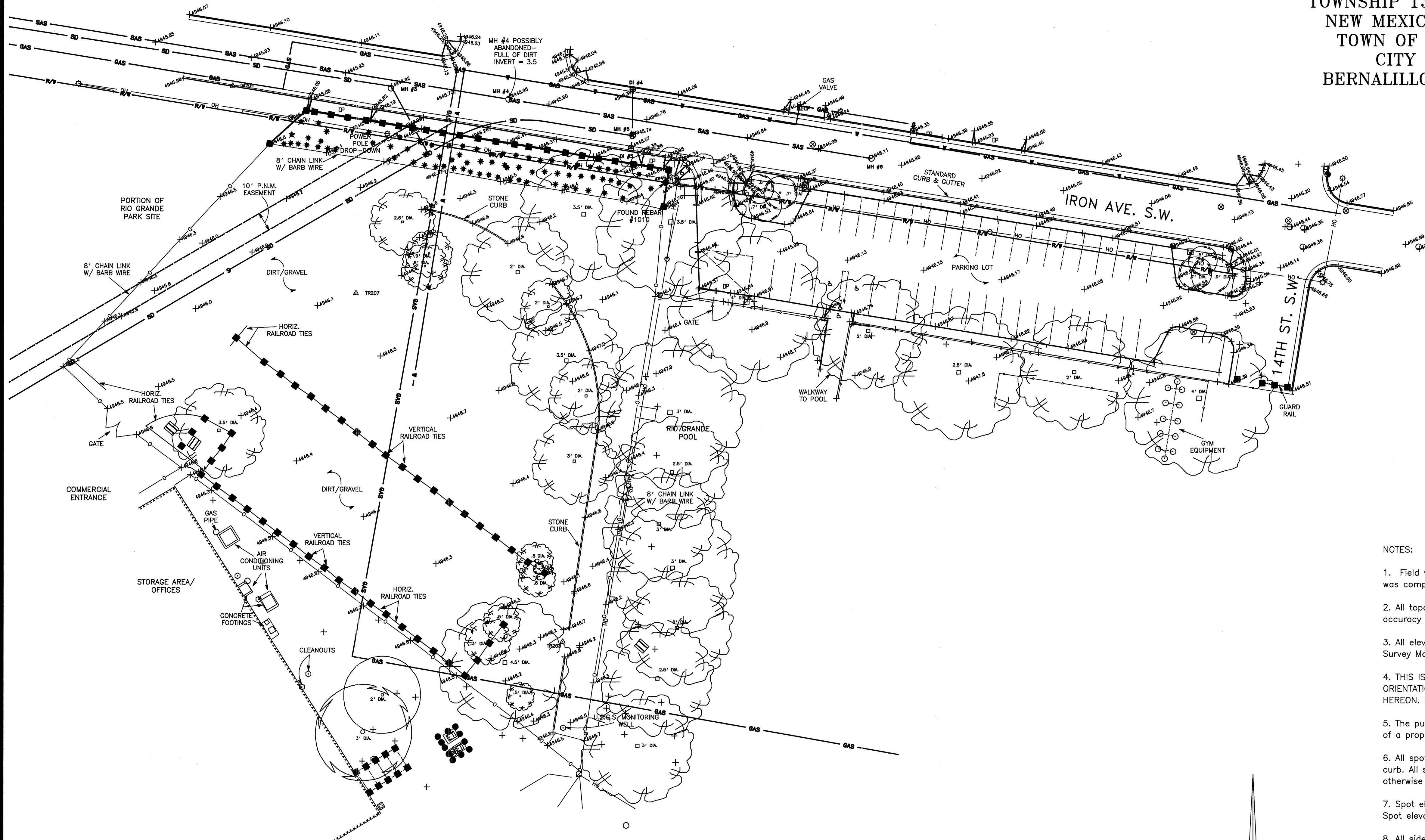
SHEET TITLE: GRADING AND DRAINAGE PLAN

SHEET NO. C-1

OF 25 1

TOPOGRAPHIC MAP SHOWING  
BARELAS AREA  
CHILD CARE AND DEVELOPMENT CENTER

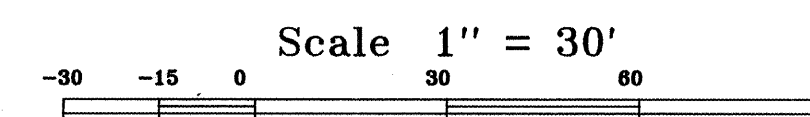
LOCATED WITHIN SECTION 19  
TOWNSHIP 13 NORTH, RANGE 3 EAST,  
NEW MEXICO PRINCIPAL MERIDIAN  
TOWN OF ALBUQUERQUE GRANT  
CITY OF ALBUQUERQUE  
BERNALILLO COUNTY, NEW MEXICO  
OCTOBER, 1995



LEGEND	
	CONTROL POINT
	MOBILITY IMPAIRED ACCESS RAMP
	ELECTRICAL PULL BOX
	PICNIC TABLE
	DRIVE PAD
	AIR CONDITIONING UNIT
	FOUND REBAR
	GAS SUPPLY PIPE
	VERTICAL RAILROAD TIES
	U.S.G.S. MONITORING WELL/ VAR. CLEANOUTS
	MANHOLE
	DRAIN INLET
	WATER VALVE
	ELECTRIC RISER
	GAS RISER
	POWER POLE W/LIGHT
	SPOT ELEVATION AT TOP BACK OF C & G OR TOP OF ASPHALT
	SPOT ELEVATION ON NATURAL GROUND
	POWER POLE
	BUSH
	CROSSCUT IN CONCRETE
	RUSSIAN OLIVE
	LARGE PINE TREE
	MISCELLANEOUS TREE
	COTTONWOOD TREE
	GAS LINE
	OVERHEAD POWER LINE
	SANITARY SEWER LINE
	STORM DRAIN LINE
	WATER LINE
	RIGHT-OF-WAY LINE
	CHAIN LINK FENCE
	ROCK CURB
	EDGE OF BUILDING

NOTES:

- Field work was completed on the September 26, 1995 and this topographic map was completed on September 28, 1995.
- All topographic information as shown hereon meets or exceeds national map accuracy standards.
- All elevations for this topographic survey are based on Albuquerque Control Survey Monuments: 1-K13.
- THIS IS NOT A BOUNDARY SURVEY, APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION ONLY. BOUNDARY DATA SHOWN IS FROM PREVIOUS SURVEY REFERENCED HEREON. FOR MORE INFORMATION CONTACT GEODETIC SURVEYOR AT 768-3609.
- The purpose of this topographic Map is to aid in the design and construction of a proposed child care facility.
- All spot elevations on standard or median curb and gutter are at top back of curb. All spot elevations on asphalt curb are at top of asphalt unless otherwise noted.
- Spot elevations showing two decimal places are on a hard surface (concrete); Spot elevations showing one decimal place are on a soft surface.
- All sidewalks are concrete unless otherwise noted.
- All pavement surfaces are asphalt unless otherwise noted.
- Smaller numbers near tree trunks indicate trunk diameter.
- All underground utilities as shown here on are from existing documents as provided by the utility companies and must be verified as to actual location in the field by pot-holing prior to any type of construction.
- Storm drain pipes shown are reinforced concrete; Sanitary sewer pipes shown are vitrified clay; water pipes shown are 6" PVC.

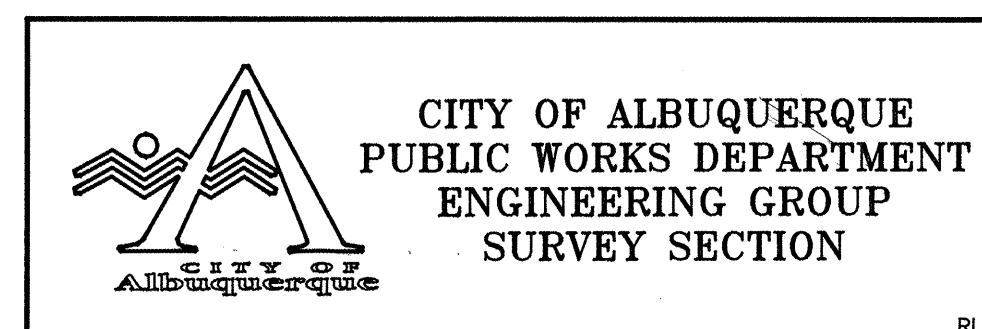


RECORD DRAWINGS:

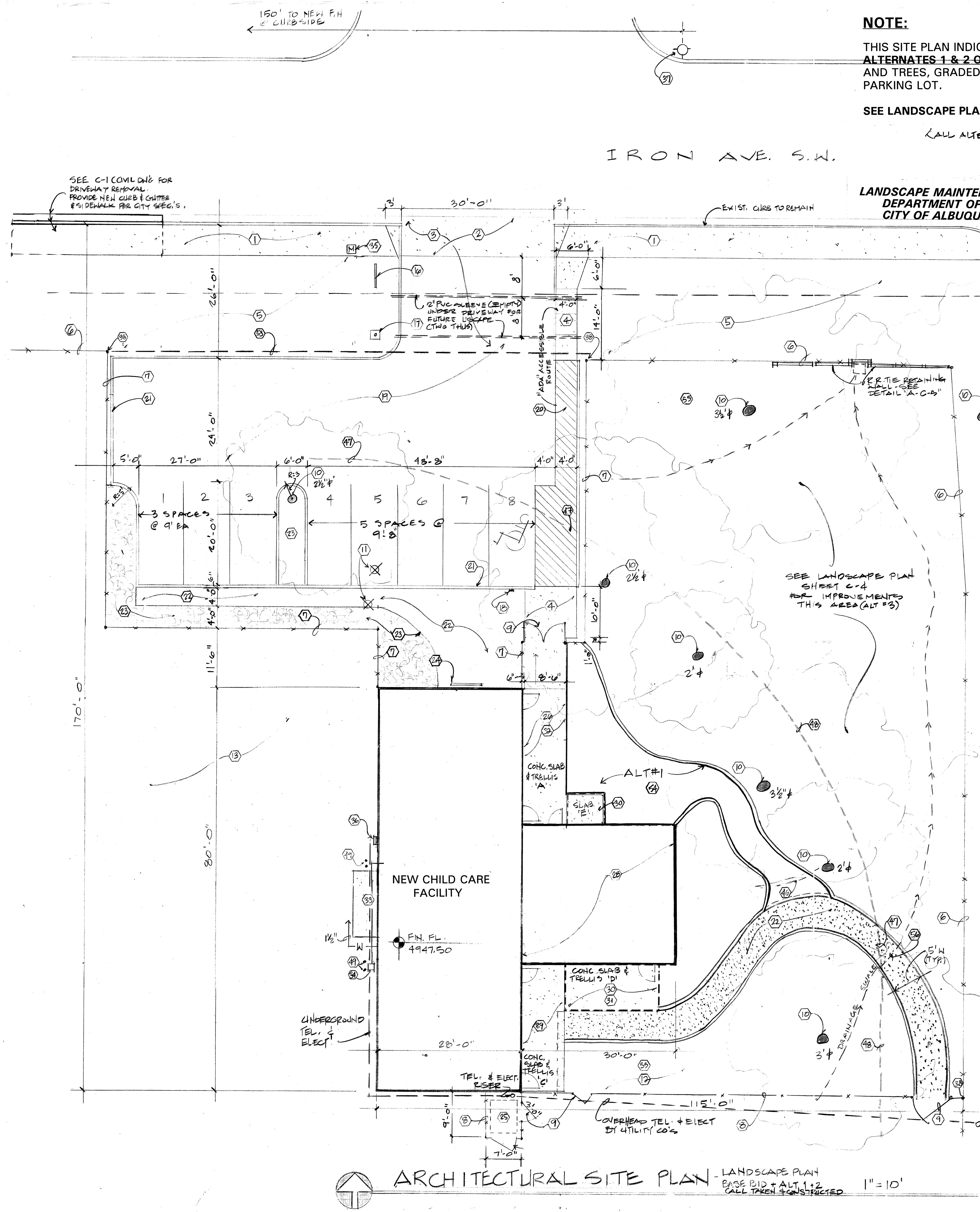
revisions drawn by mg date 4/11

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THIS SHEET FOR INFORMATION ONLY  
NO WORK THIS SHEET



TITLE:		C2	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5183.91	K-13	C2	25



NOTE:

THIS SITE PLAN INDICATES LANDSCAPING FOR BASE BID AND ALTERNATES 1 & 2 ONLY, INCLUDING EXISTING VEGETATION AND TREES, GRADED EARTH AND IMPROVEMENTS AT NEW PARKING LOT.

SEE LANDSCAPE PLAN SHEET C-4 FOR ALTERNATE #3

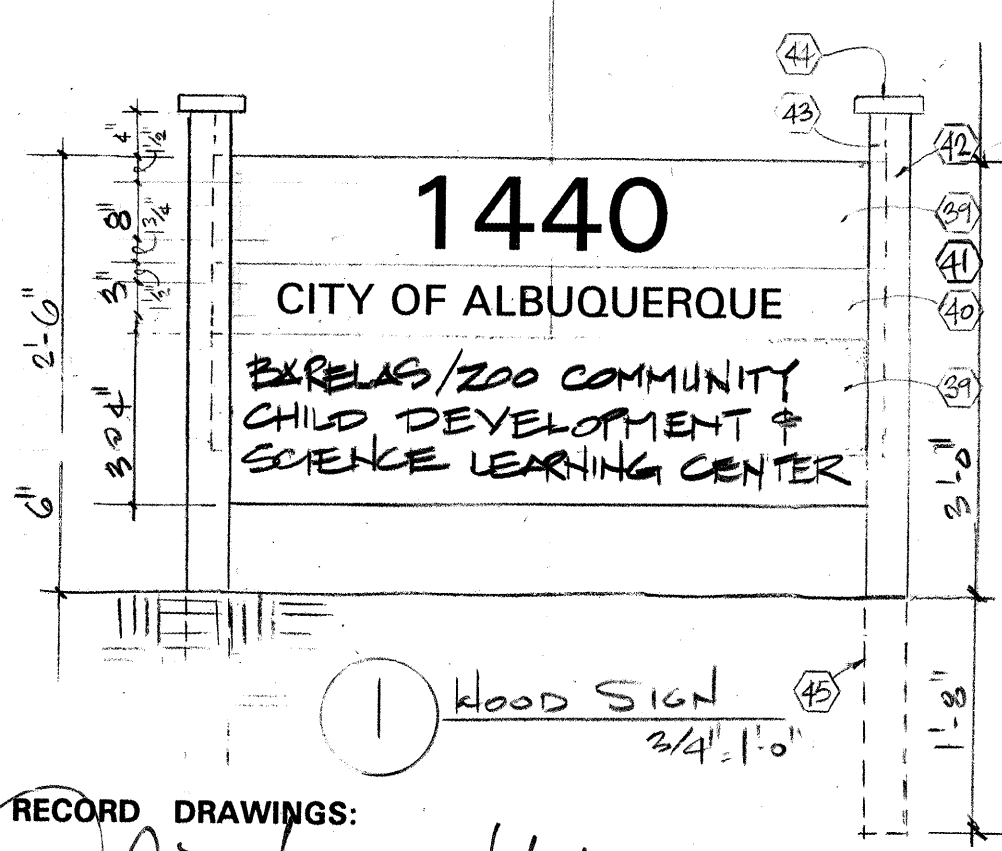
(ALL ALTERNATES TAKEN & CONSTRUCTED)

LANDSCAPE MAINTENANCE WILL BE BY:  
DEPARTMENT OF FAMILY AND COMMUNITY SERVICES  
CITY OF ALBUQUERQUE

KEYED NOTES:

- EXISTING SIDEWALK TO REMAIN (6' WIDE)
- CONCRETE DRIVE PAD AS PER C.O.A. STD. DRWG. 2425
- REMOVE EXISTING CURBS, SIDEWALK, AND LANDSCAPING FOR NEW DRIVEPAD AND DRIVEWAY.
- CONCRETE WALK
- EXISTING PLANTED AREA TO REMAIN
- EXISTING 8' CHAIN LINK FENCE TO REMAIN
- 8' CHAIN LINK FENCE AS PER C.O.A. STD. DRWG. 2252
- 4' CHAIN LINK FENCE AS PER C.O.A. STD. DRWG. 2252
- CHAIN LINK GATE (C.O.A. DRWG. 2252) AS DIMENSIONED - 4'0" LEAF UNLESS NOTED
- EXISTING LARGE COTTONWOOD TREE TO REMAIN
- REMOVE EXISTING COTTONWOOD TREE (1' DIA.)
- VEGETABLE AND FLOWER GARDEN BY OTHERS
- EXISTING ADJACENT ZOO EMPLOYEE PARKING LOT
- EXISTING PARKING ENTRANCE TO RIO GRANDE POOL
- EXISTING GRASS AND SHADE TREES OF ADJACENT RIO GRANDE POOL
- WOOD SIGN; SEE DETAIL 1 THIS SHEET
- EXTERIOR LIGHT ON POLE
- H.C. SIGN ON POST; SEE DETAIL 2 THIS SHEET
- ASPHALT PARKING LOT AND DRIVEWAY
- STRIPED ASPHALT WALK AREA: 4" WHITE LINES ON DIAGONAL
- 6" W. X 14"D. CONCRETE CURB- TYP. ALL AROUND PARKING AREA - REF. SIM. HEADER CURB C.O.A. STD. DRWG. 2415
- STABILIZED CRUSHER FINES PATH W/ CONC. EDGE AS PER C.O.A. STD. DRWG. 2721 - ARCHITECT TO FIELD APPROVE LAYOUT PRIOR TO CONSTRUCTION
- BARK CHIPS (3" DEPTH); PROVIDE CONCRETE CURB PER COA DRAWING 2415
- BICYCLE RACK: END POST SET IN CONCRETE (7 BIKES)
- TRASH/REFUSE CART PROVIDED BY ZOO
- BASE BID: CONCRETE SLAB AND TRELLIS 'A'
- BASE BID: CONCRETE SLAB AND TRELLIS 'B' - IF ALTERNATE #1 (CONSERVATORY) IS TAKEN, THEN DELETE THIS SLAB.
- ALTERNATE #1: ADD CONSERVATORY AND PATH AS INDICATED
- BASE BID: CONCRETE SLAB AND TRELLIS 'C': IF ALTERNATE #1 IS TAKEN, THEN DELETE THIS TRELLIS 'C'
- ALTERNATE #1: ADD CONCRETE SLAB 'D' AND 'E'
- ALTERNATE #2: ADD COVERED PORCH (PORTAL) 'D'
- ALTERNATE #2: ADD TRELLIS 'A'
- CONCRETE SLAB AT MECH. ROOM
- GAS METER
- WATER METER - BY OTHERS
- ELECTRIC METER AND RISE
- FIRE HYDRANT - BY OTHERS
- FENCE POST TO CONNECT EXISTING FENCE TO NEW
- 2 x 10 REDWOOD SIGN FACE; STAIN FINISH
- 2 x 6 REDWOOD SIGN FACE; STAIN FINISH
- LETTERS ENGRAVED & PAINTED BOTH SIDES; VERIFY WORDING WITH ARCHITECT PRIOR TO EXECUTION
- 4 x 6 REDWOOD POST; STAIN FINISH. ROUT 1-1/2" TO RECEIVE SIGN BOARDS
- 2 x REDWOOD INSERT / STOP
- 2 x 6 x 7-1/2" REDWOOD CAP
- EMBED REDWOOD POST 1'-8" INTO SOIL
- ALT #1: TRIM 4" DIA. COTTONWOOD LIMB (@ 15' ABOVE GROUND); ARCHITECT WILL LOCATE IN FIELD
- REMOVE EXISTING STONE CURB @ PARKING LOT / WALK
- EXISTING STONE CURB TO REMAIN (BASE BID); REMOVE AS REQUIRED IF ALTERNATE 3 IS TAKEN - SEE SHEET C-4
- BOLLARD: 4" DIA. STEEL PIPE, PAINTED, CONCRETE FILLED; EMBED 30" INTO GROUND MIN.; EXTEND TO 36" HIGH ABOVE GRADE
- SIGN: BAKED ENAMEL ON STEEL 0.063" MIN; WHITE IMAGE, BLUE BACKGROUND; SECURE SIGN TO POST W/ (2) 1/4" DIA. GALV. STEEL BOLTS

2 H.C. PARKING SIGN



RECORD DRAWINGS: *[Signature]* date: July 1, 97

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KEYED NOTES (continued):

- 2" DIA. X 15 GA. GALV. STEEL POST
- 8" DIA. CONC. FOOTING
- REMOVE EXISTING FENCE 4'0" LEAF UNLESS NOTED
- ALT #1: CRUSHER FINES PATH W/ CONC. EDGE AS PER C.O.A. STD. DRWG. 2721. ARCHITECT TO FIELD APPROVE LAYOUT PRIOR TO CONSTRUCTION.
- EXISTING SOIL TO REMAIN
- DEPRESS CONCRETE CURBS & CRUSHER FINES @ SWALE; SEE SHEET C-1

BENCHMARK: G-K-13 4956.95 ELEV.	
Design Review Committee	City Engineer Approval
Last Design Update	
City Project No. 5183.91	Zone Map No. K-13-2
Sheet C3	Of 25

STATE OF NEW MEXICO  
JONATHAN SIEGEL  
REGISTERED ARCHITECT  
NOV 2012

STATE OF NEW MEXICO  
GUY A. SIEGEL  
REGISTERED ARCHITECT  
NOV 2012

**SIEGEL DESIGN**  
2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

BARELAS AREA  
**CHILD CARE CENTER**  
for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

PROJECT NO.  
ARCH: 9519

DATE REV.  
21 AUG. '96

ARCH. SITE PLAN  
&  
BASE BID LAND-  
SCAPE PLAN

**C3**  
OF 25

I, Joseph E. Chitt of Red Mountain Engineers, Inc., certify that this project is constructed in substantial compliance with the approved plan per as-built information provided by the City of Albuquerque survey.

NOTE: THIS LANDSCAPE DRAWING INCLUDES:  
ALTERNATE #3: NEW LANDSCAPING  
AND PLAYGROUND AREA.

SEE ARCHITECTURAL SITE PLAN (SHEET C-3) FOR  
BASE BID LANDSCAPING

(ALL ALTERNATES TAKEN & CONSTRUCTED)

LANDSCAPE MAINTENANCE WILL BE BY:  
DEPARTMENT OF FAMILY AND COMMUNITY SERVICES  
CITY OF ALBUQUERQUE

KEYED NOTES

- EXISTING COTTONWOOD TO REMAIN, SIZE AS NOTED ON PLAN.
- EXISTING 8' CHAIN LINK FENCE TO REMAIN.
- REMOVE EXISTING COTTONWOOD TREE.
- CRUSHER FINES PATH WITH CONCRETE EDGE AS PER C.O.A. STD. DWG. 2721. ARCHITECT TO FIELD-APPROVE LAYOUT PRIOR TO CONSTRUCTION. (CRUSHER FINES MIXED L/STABILIZER)
- CONCRETE WALK, WITH TURN-DOWN EDGE ADJACENT TO SAND PLAY AREA. REF. SIM. C.O.A. STD. DWG. 2728. ARCHITECT TO FIELD-APPROVE LAYOUT PRIOR TO CONSTRUCTION.
- NOTE DELETED
- EXISTING SOIL TO REMAIN, GRADED FOR DRAINAGE.
- ± 1' ROUGH DIAMETER ROCKS SET INTO GROUND (± 4" DEPTH BELOW GRADE).
- REMOVE EXISTING STONE CURB.
- DEPRESS CONCRETE WALK, CRUSHER FINE AND CONC. CURBS AT SWALE FLOW LINE - SEE SHEET C-1.
- REFER TO C-1 FOR STORM DRAINAGE

PLANTING SCHEDULE - BARELAS CHILDCARE CENTER

PLANT BOTANICAL NAME PLANT COMMON NAME	QUANTITY	INSTALLED SIZE	REMARKS
<b>TREES/SHRUBS</b>			
Forestiera neomexicana New Mexico Olive	12	5 gallon	Multi-stem
Rhus typhina Staghorn Sumac	7	5 gallon	
<b>TURFGRASS SEED</b>			
Festuca muelleri Mueller's Fescue	2,000 S.F.		Drill seed at 5 lbs. per 1,000 sq.ft. May substitute F. ovina: Sheep Fescue.

BARELAS CHILDCARE CENTER  
IRRIGATION LEGEND

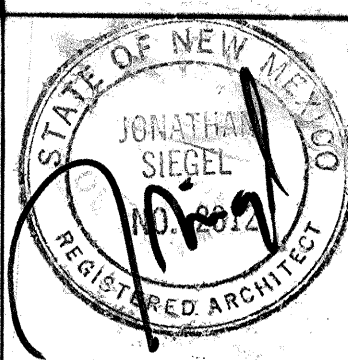
SYMBOL	DESCRIPTION	DETAIL
[M]	New Water Meter; reference Mechanical Plans	
[V]	Febco Atmospheric Vacuum Breaker Backflow Preventer, size as noted on drawings	Install as per Manf. instructions
[C]	Rainbird RC-4C 4-Station controller; wall mounted as shown on drawings	Install as per Manf. instructions
[X]	Gate valve/Isolation valve	City Std. Dwg. 2706
[G]	Rainbird PEB Series automatic valve assembly. (Valve as indicated on drawings, in valve box.)	City Std. Dwg. 2703
[K]	Valve Key Notation: Valve Size Approximate gallons per minute	
[P]	Rainbird 1806 series, 6" pop-up, [10' RADIUS] (± 1.5 in./hr. @ 30 PSI)	City Std. Dwg. 2709
[B]	Rainbird 1402 full circle pressure compensating bubbler, 0.5 gpm	City Std. Dwg. 2710
[L]	Schedule 40 PVC pipe lateral (size as indicated on plans)	
[S]	Class 200 PVC pipe sleeve (2 sizes larger than pipe being sleeved)	
[Q]	Rainbird 33 DRC Quick-Coupling Valve	City Std. Dwg. 2708

LANDSCAPE AREA ANALYSIS

SITE AREA	20,472
BUILDING AREA ALL PHASES (including porches)	3,290
LANDSCAPING REQUIRED	2,577
LANDSCAPING PROVIDED	11,359

BENCHMARK G.K-13 4956.915 ELEV.

Design Review Committee	City Engineer Approval	Mo. / Day / Yr.	Mo. / Day / Yr.
City Project No. 5183.91	Zone Map No. K-13-Z	Sheet C4	Of 25



**SIEGEL DESIGN**  
2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

BARELAS AREA  
**CHILD CARE CENTER**  
for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

PROJECT NO.  
ARCH: 9519

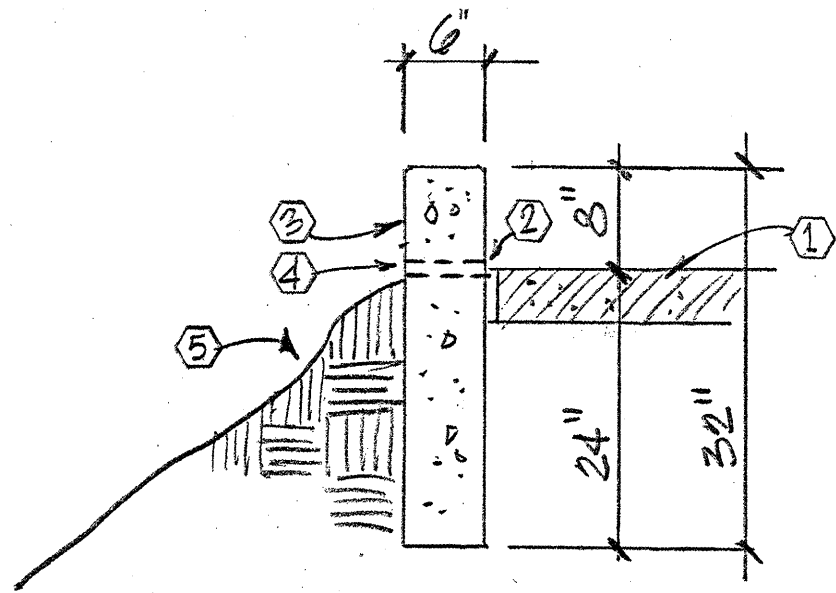
DATE REV.  
21 AUG 96

LANDSCAPE  
PLAN ALT #3

**C4**  
OF 25

LANDSCAPE PLAN - ALT. #3

1" = 10'



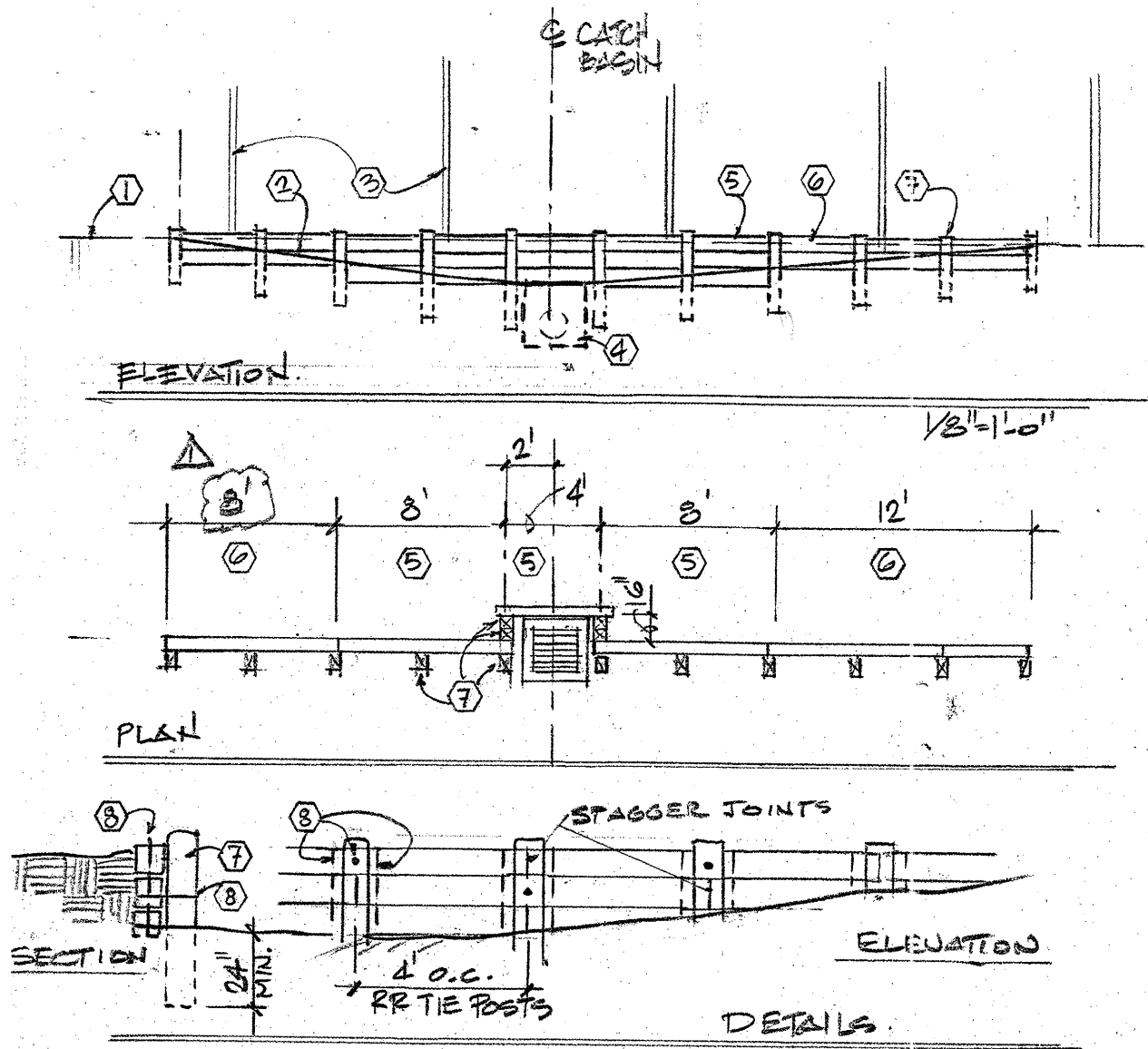
HEADER CURB AT TRICYCLE PATH

KEYED NOTES:

- EXISTING SIDEWALK / TRICYCLE PATH
- 1/2" EXPANSION STRIP
- NEW CONCRETE CURB TO 8" ABOVE WALK SURFACE; SCORE JOINTS TO ALIGN WITH SCORE JOINTS @ WALK; EXPANSION JOINTS AT 40' INTERVALS, MAXIMUM
- 1" PVC WEEP HOLES AT LOW POINTS OF SIDEWALK; 4 MINIMUM
- RESTORE EARTH TO SMOOTH CONTOUR

B HEADER CURB @ TRIKE PATH

RETAINING WALL AT CATCH BASIN / NORTH FENCE LINE



KEYED NOTES:

- EXISTING GRADE NORTH OF FENCE TO REMAIN
- LINE OF NEW GRADE SOUTH OF FENCE
- EXISTING FENCE POSTS & CHAIN LINK FENCE TO REMAIN
- EXISTING CONCRETE CATCH BASIN (INSTALLED PER PLANS)
- 8" RAILROAD TIES x 3 HIGH
- 8" RAILROAD TIES x 2 HIGH
- 8" RAILROAD TIE POSTS @ 4' o.c.; 24" MIN. EMBEDMENT
- #4 REBAR OR EQUIVALENT SPIKE

A RETAINING WALL @ CATCH BASIN

GENERAL IRRIGATION NOTES

- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING INSTALLATION, AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY CONDITIONS THAT CONFLICT WITH THE PROPOSED WORK.
- THE IRRIGATION LAYOUT SHOWN IS SCHEMATIC. ACTUAL INSTALLATION MAY VARY SLIGHTLY TO ACCOMMODATE FIELD CONDITIONS. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY CONDITIONS WHICH SEEM TO WARRANT SUBSTANTIAL DEVIATION FROM THE PLANS.
- STATIC WATER PRESSURE AT THE SITE IS APPROXIMATELY 55-60 PSI; VERIFY PRIOR TO BEGINNING IRRIGATION WORK. REQUIRED DESIGN/OPERATING PRESSURE AT HEAD LOCATIONS SHALL BE AS INDICATED ON IRRIGATION LEGEND.
- ALL IRRIGATION INSTALLATION SHALL BE IN ACCORDANCE WITH C.O.A. STANDARD SPECIFICATIONS AND DETAILS UNLESS OTHERWISE NOTED. HAND EXCAVATE FOR NEW IRRIGATION INSTALLATIONS WITHIN THE DRIP LINES OF EXISTING TREES AND SHRUBS.
- SLEEVING - ALL IRRIGATION LINES BENEATH PAVING OR OTHER RIGID STRUCTURES SHALL BE LOCATED WITHIN A PVC CLASS 200 SLEEVE. ALL SLEEVES SHALL EXTEND A MINIMUM OF 1'-0" BEYOND THE PAVING. THE SLEEVE SIZE FOR THE IRRIGATION LINE SHALL BE A MINIMUM OF 2 SIZES LARGER THAN THE LINE SIZE. 24-VOLT WIRE SHALL BE IN A COMMON TRENCH WITH THE MAINLINE AND SHALL BE PLACED IN A 1-1/4" CLASS 200 PVC.
- ALL 24-VOLT WIRE SHALL BE MARKED WITH A 4" WIDE YELLOW MARKER TAPE AND MARKED "WARNING ELECTRICAL". LAY MARKER TAPE HORIZONTALLY 6" ABOVE WIRE. MARK ALL 24-VOLT WIRE ENDS WITH 3M STD -09 WIRE MARKER TAPE AT THE VALVE BOX AND CONTROLLER LOCATIONS.
- THE PROPOSED CONTROLLER LOCATION INDICATED ON THE PLANS IS APPROXIMATE. ACTUAL LOCATION OF THE CONTROLLER SHALL BE DETERMINED BY THE OWNER'S REPRESENTATIVE IN THE FIELD.

GENERAL NOTES

- ALL WORK TO BE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, 1986 EDITION (AS UPDATED WITH REVISION #6), OR PER ATTACHED SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT-OFF PLAN. NOT LESS THAN FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATIONS.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- UTILITY LINES AND COVERS ARE SHOWN ON THESE DRAWINGS IN AN APPROXIMATE MANNER ONLY. LINES MAY EXIST WHERE NONE ARE SHOWN. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THE PLANS AND THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH THE MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- ALL EXISTING IMPROVEMENTS ARE TO REMAIN UNLESS SPECIFICALLY NOTED TO BE REMOVED. CONTRACTOR SHALL REPAIR ANY CONTRACTOR CAUSED DAMAGE TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE. ALL REPAIRS WITHIN THE CITY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARDS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CHECK ALL DIMENSIONS, BOTH HORIZONTAL AND VERTICAL, AND SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL DIMENSIONS OF ALL OBSTRUCTIONS.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL NOTIFY CITY SURVEYING NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT CITY SURVEYING MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF CITY SURVEYING AND SHALL NOTIFY CITY SURVEYING AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY CITY SURVEYING. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE STANDARD SPECIFICATIONS.
- ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.

GENERAL PLANTING NOTES

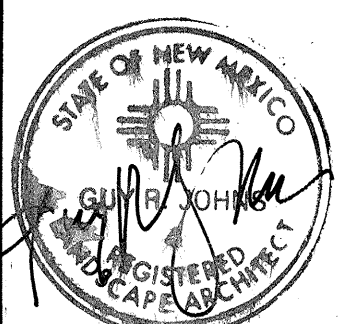
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING PLANTING OPERATIONS, AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONDITIONS THAT CONFLICT WITH THE PROPOSED WORK.
- PLANTING INSTALLATION SHALL BE IN ACCORDANCE WITH C.O.A. STANDARD SPECIFICATIONS AND DETAILS UNLESS OTHERWISE NOTED. MINIMIZE ANY DISTURBANCE TO AREAS OUTSIDE IMMEDIATE GRADING OR LANDSCAPE CONSTRUCTION AREAS.
- EXISTING PLANT PROTECTION - EXISTING TREES ARE COTTONWOODS -SEE PLAN FOR SIZES AND LOCATIONS; CONTRACTOR SHALL PROTECT ALL EXISTING VEGETATION TO REMAIN, AND SHALL REPLACE DAMAGED VEGETATION AT NO ADDITIONAL COST TO THE OWNER.
- WEED REMOVAL - ALL PLANTING AREAS ARE TO HAVE ALL WEEDS AND COMPETITIVE VEGETATION REMOVED PRIOR TO BEGINNING ANY PREPARATION FOR PLANTING.
- IN CASE OF A DISCREPANCY IN THE PLANT QUANTITIES SHOWN ON THE PLANT SCHEDULE AND THOSE ILLUSTRATED ON THE PLANTING PLAN, THE QUANTITIES ON THE PLANTING PLAN SHALL GOVERN. THE BOTANICAL NAME WILL TAKE PRECEDENCE OVER THE COMMON NAME IF A DISCREPANCY OCCURS.
- ALL PLANT SPECIMENS OF THE SAME SPECIES SHALL BE MATCHING IN PROPER AND APPROPRIATE SIZE AND CHARACTER AS PER THE AMERICAN NURSEYMEN'S ASSOCIATION STANDARDS.
- BASE BID: A 3" DEPTH OF BARK CHIP MULCH SHALL BE INSTALLED IN ALL PARKING LOT PLANTING AREAS, AS INDICATED ON THE ARCHITECTURAL SITE PLAN, SHEET C3.
- MAINTENANCE FOR LANDSCAPE AND PLAY AREAS SHALL BE BY THE USER/USER'S STAFF.

RECORD DRAWINGS:

revisions drawn by: *Alisa* date: *July 1, 97*

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT, NOR MANNER OF CONSTRUCTION. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE RECORD DRAWINGS.

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 5183.91	Zone Map No. K-132	Sheet C5	Of 25



SIEGEL DESIGN  
2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

BARELAS AREA  
CHILD CARE CENTER  
for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

PROJECT NO.  
ARCH: 9519

DATE REV.  
21 AUG, '96

GENERAL  
NOTES

C5  
OF 25



**SIEGEL DESIGN**  
2726 CANDELARIA N.W.  
ALBUQUERQUE, NEW MEXICO 87107  
505 344 6746 344 2097

**BARELAS AREA  
CHILD CARE CENTER**  
for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

PROJECT NO.  
ARCH: 9514

DATE REV  
21 AUG. 96

FLOOR PLAN -  
BASE BID

**A1**  
OF 25

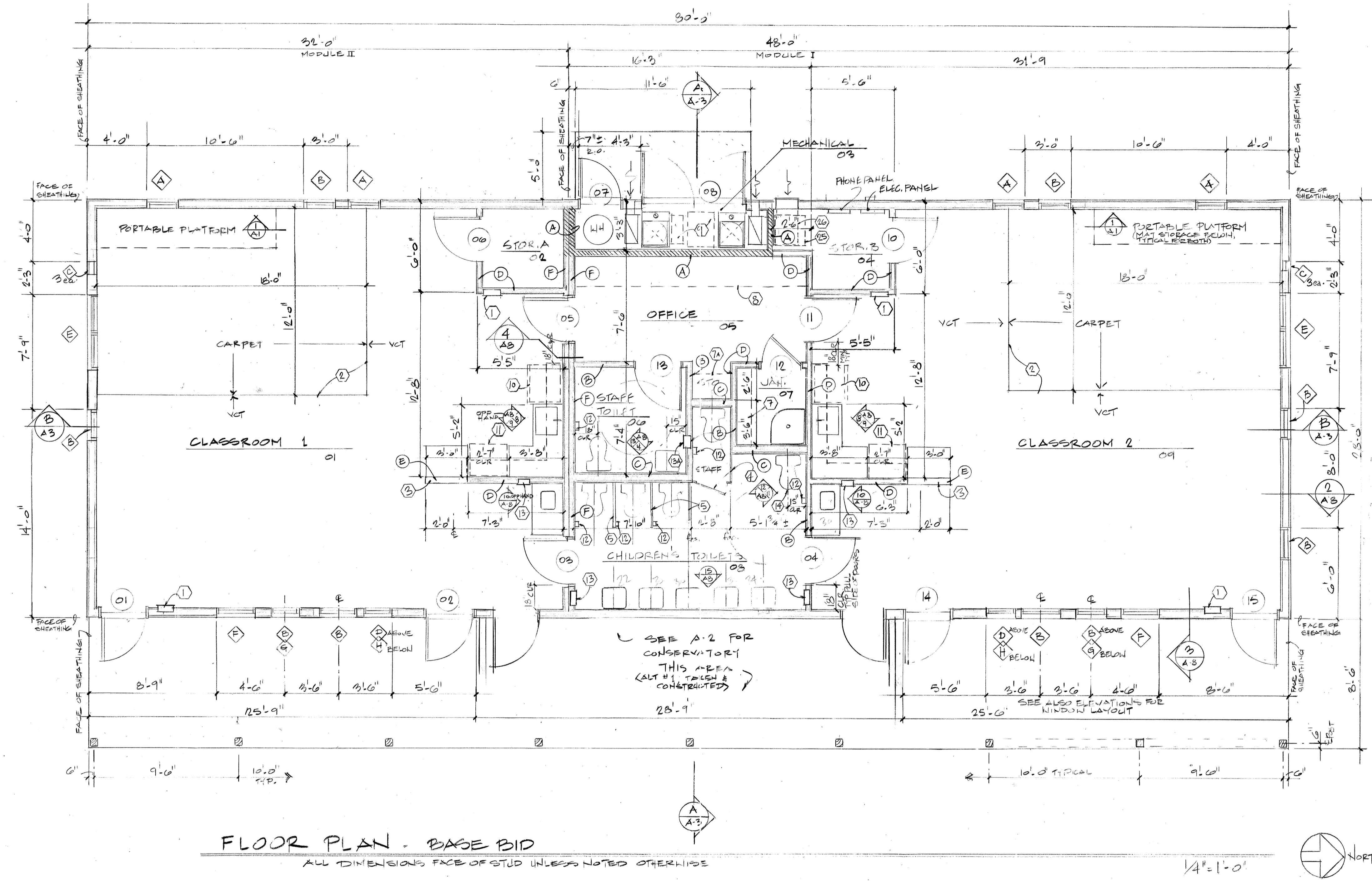
- KEYED NOTES:**
1. FIRE EXTINGUISHER IN CABINET
  2. TRANSITION/REDUCER STRIP @ CHANGE IN FLOOR FINISH
  3. 42" HIGH WALL WITH 2x PINE CAP; CLEAR GLOSS FINISH
  4. TOILET PARTITION
  5. TOILET PARTITION - PLASTIC LAMINATE ON 3/4" PLYWOOD, WALL HUNG ON CLIPS; SEE DETAIL 7/A-8
  6. ~~ELECTRIC WATER COOLER, SPOUT AT 36", DELETE IF ALTERNATE IS TAKEN~~
  7. 3/4" PLYWOOD SHELF x 12" WIDE AT 5'-0" WITH 1x2 NOSING AT FRONT EDGE; PAINT FINISH
  - 7A. FIVE EA. 3/4" PLYWOOD SHELVES x 12" WIDE @ 12" INTERVALS STARTING 18" ABOVE FLOOR WITH 1x2 NOSING AT FRONT EDGE; PAINT FINISH
  8. COUNTERTOP / DESK BY OWNER
  9. FURNACE UNIT LOCATION FOR ALT. 1 SHOWN DASHED
  10. REFRIGERATOR FURNISHED AND INSTALLED
  11. ELECTRIC STOVE FURNISHED AND INSTALLED
  12. TOILET TISSUE DISPENSER MOUNTED AT 24"
  13. PAPER TOWEL DISPENSER MOUNTED AT 36" (43" TO TOP OF UNIT); (4 LOCATIONS); MOUNT AT 44" TO TOWEL PULL POINT (51" TO TOP OF UNIT) AT 13A (1 LOCATION)
  14. STANDARD HEIGHT TOILET (approx. 15" to seat) FOR CHILDRENS ACCESSIBLE TOILET (per Recommendations for Accessibility Standards for Children, 4.16.3)(side grab bar will also be set at lower height of 19" per 4.16.4); SEE ELEVATIONS 11,12/A-8
  15. JOIST/FRAME LINE SHOWN DASHED
  16. 2x6 JOIST; 3 EA.
  17. 2x6 RIM
  18. WRAP CARPET AROUND FACE AND UNDER
  19. 2x4 WALL
  20. CARPET TOP
  21. 3/4" PLYWOOD OR OSB
  22. 1/4" PLYWOOD OR HARDBOARD CLOSURE
  23. 3/4" A/C PLYWOOD; CLEAR GLOSS FINISH
  24. NOTE DELETED
  25. 24" x 24" REMOVABLE ACCESS PANEL THROUGH FLOOR TO CRAWL SPACE, SHOWN DASHED
  26. INTAKE DUCT (EXPOSED) @ APPROX. 5'-4" IN CLOSET, SHOWN DASHED

**KEYING:**  
A-1 = MASTER; ALL DOORS  
AA-1 = PERIMETER - ONLY DOORS 01, 02, 07, 08, 14, 15, 18, 20

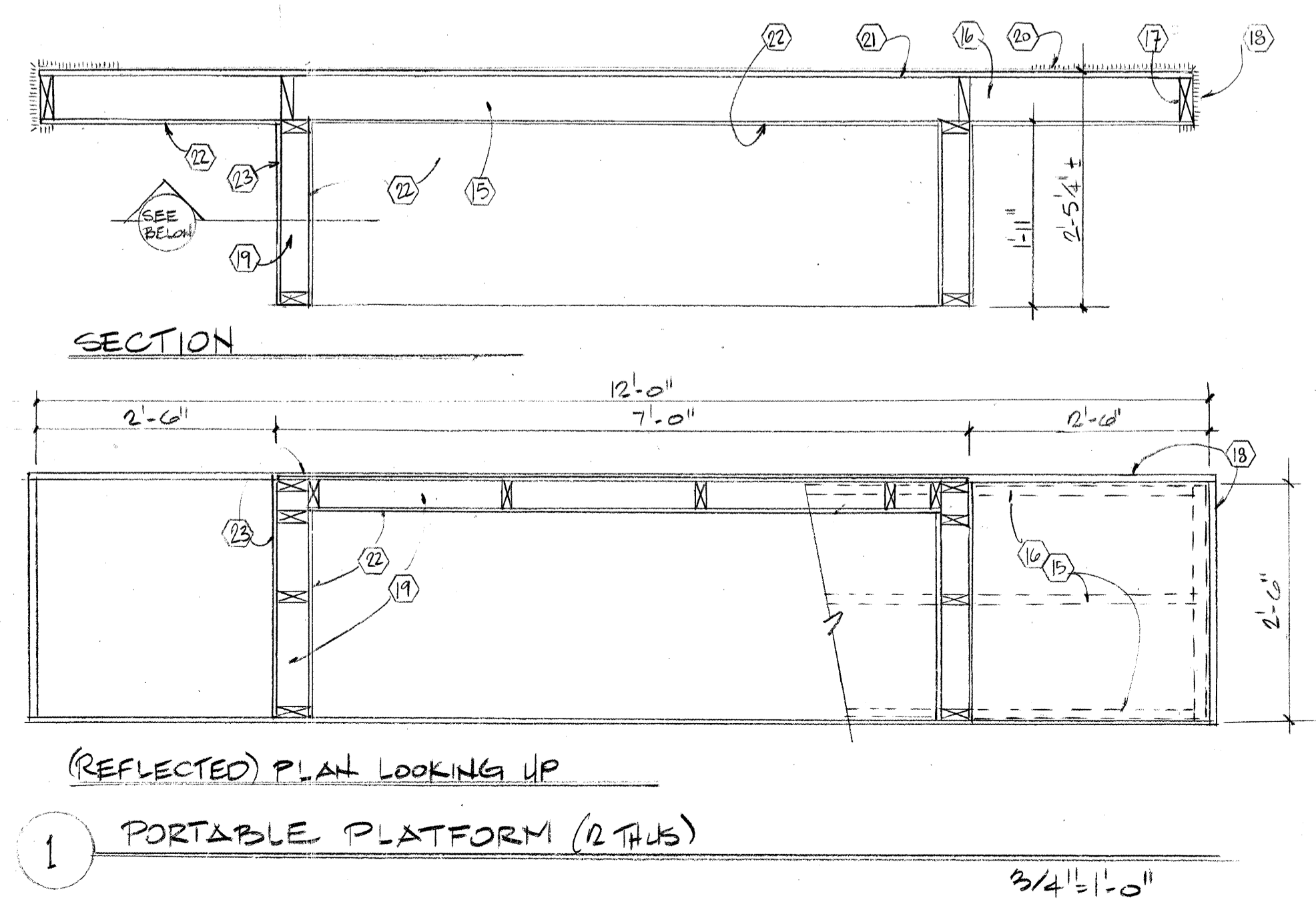
**RECORD DRAWINGS:**  
revisions drawn by: *Ming* date: *July 1, 97*

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Design Review Committee	City Engineer Approval	Last Design Update	Mo / Day / Yr	Mo / Day / Yr
City Project No. 5183.91	Zone Map No. K-13-Z	Sheet A1	Of 25	



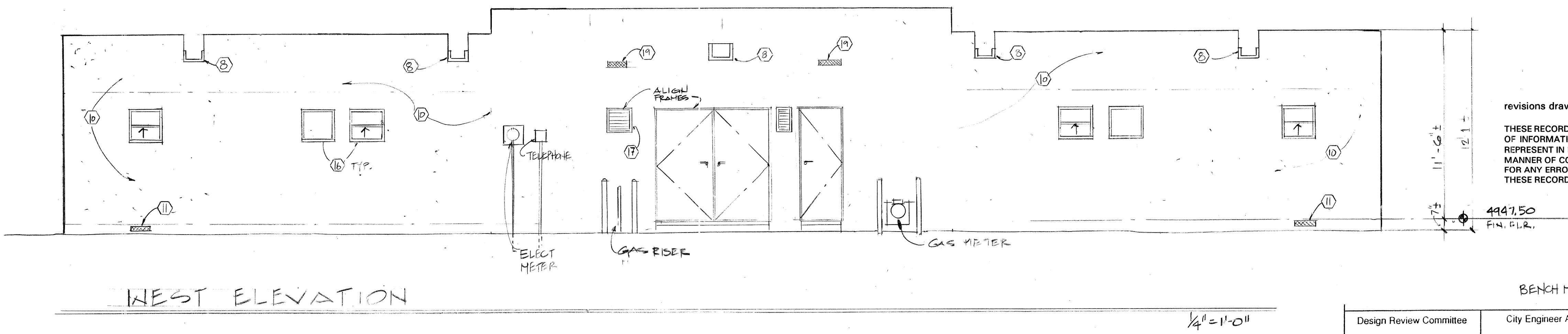
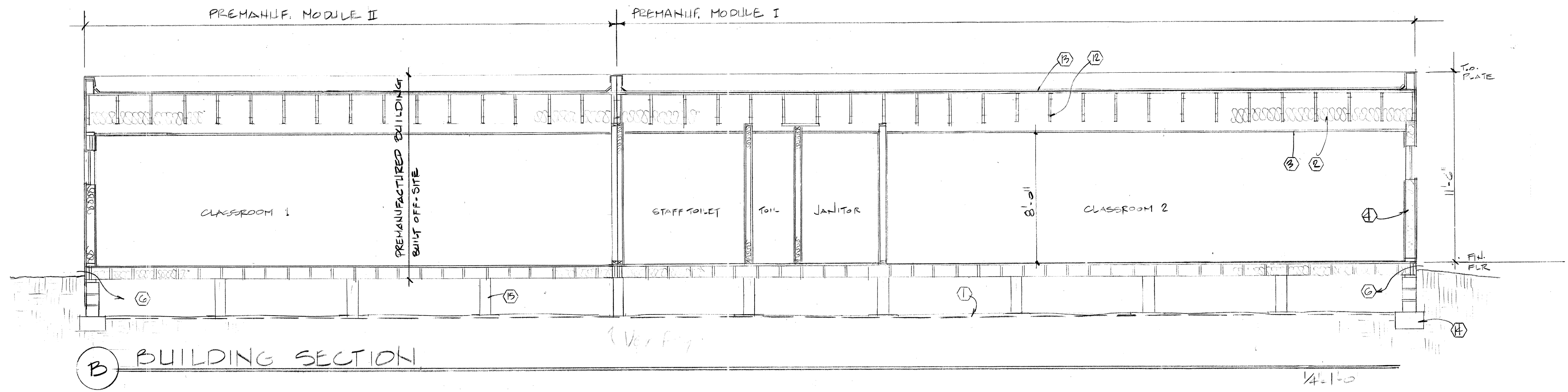
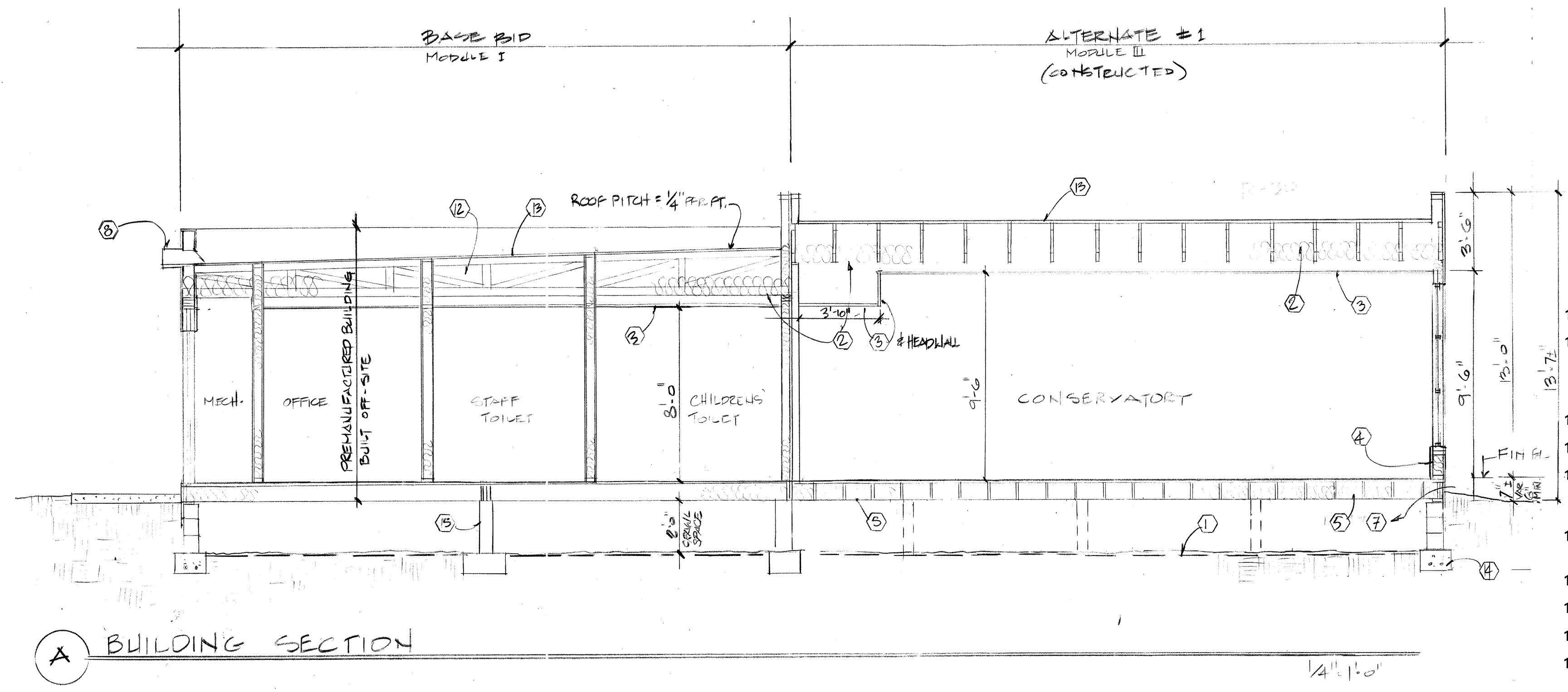
**FLOOR PLAN - BASE BID**  
ALL DIMENSIONS FACE OF STUD UNLESS NOTED OTHERWISE



**SECTION**  
**(REFLECTED) PLAN LOOKING UP**  
**1 PORTABLE PLATFORM (2 THUS)**

- INTERIOR WALL TYPES:**  
W.R.GYP.BD C/OIL RM WALLS, NEXT TO LAVS + REG
- A. ONE HOUR RATED: 5/8" TYPE "X" GYP BOARD BOTH SIDES OF 2x4 STUDS @ 24" o.c. FULL HEIGHT TO UNDERSIDE OF PLYWOOD ROOF DECK. COPE AND SEAL GYPSUM BOARD AROUND JOISTS AND PENETRATIONS DESIGN = UL U-309 BATT INSULATION IN CAVITY
  - B. 5/8" GYP BOARD BOTH SIDES OF 2x4 STUDS @ 24" o.c. TO UNDERSIDE OF JOISTS; UNFACED BATT INSULATION IN CAVITY
  - C. 5/8" GYP BOARD BOTH SIDES OF 2x6 STUDS @ 24" o.c. TO UNDERSIDE OF JOISTS; UNFACED BATT INSULATION IN CAVITY
  - D. 5/8" GYP BOARD BOTH SIDES OF 2x4 STUDS @ 24" o.c. TO UNDERSIDE OF JOISTS; NO INSULATION REQ'D
  - E. 42" HIGH WALL WITH GYP BOARD BOTH SIDES AND PINE CAP
  - F. MODULE JOINT WALL: 5/8" GYP BOARD ROOM SIDES OF 2x4 STUDS @ 16" o.c. TO PARAPET; OSB SHEATHING AT WALL-TO-WALL JOINT; UNFACED BATT INSULATION IN CAVITY AT BATHROOM/OFFICE MODULE ONLY





- KEYED NOTES:**
- 6 MIL POLYETHYLENE VAPOR BARRIER WITH 2" SAND/CLEAN FILL OVER TOP TO PROTECT AND TO PERMIT WORK IN CRAWL SPACE WITHOUT DAMAGING BARRIER
  - R-30 BATT INSULATION AT ROOF
  - SUSPENDED ACOUSTIC CEILING
  - 2 x 6 EXTERIOR WALL WITH R-19 BATT INSULATION; 5/8" GYPSUM BOARD @ INTER. & STUCCO ON OSB @ EXTER.
  - R-19 BATT INSULATION AT FLOOR
  - VENTILATE CRAWL SPACE (per UBC 2516.c.6) WITH 1.42 s.f. @ BASE BID = 8 VENTS @ 4" x 16" NOMINAL
  - VENTILATE CRAWL SPACE (per UBC 2516.c.6) WITH .54 s.f. @ ALT. #1 = 3 VENTS @ 4" x 16" NOMINAL PLUS CRAWL SPACE OPEN TO MAIN (BASE BID) BUILDING
  - SCUPPER WITH SPLASH BLOCK BELOW (SPLASH BLOCK MAY BE OMITTED WHERE CONCRETE SLAB OCCURS)
  - STUCCO: COLOR A
  - STUCCO: COLOR B
  - SCREEN VENT 4" x 16" NOMINAL "LOMANCO C-416" NATURAL FINISH ALUMINUM, SURFACE MOUNTED VENT WITH SCREEN BACKING OR EQUAL; VERIFY LOCATION (BETWEEN JOISTS) SET AS HIGH AS POSSIBLE TO FLOOR
  - WOOD TRUSS ROOF STRUCTURE
  - BUILT-UP ROOF
  - PERIMETER FOUNDATION: CMU ON CONTINUOUS CONCRETE FOOTING ON PREPARED SUBGRADE; PRESSURE TREATED PLATE AND RIM JOISTS
  - INTERIOR SUPPORT: PRESSURE TREATED WOOD POST ON CONCRETE FOOTING
  - ALUMINUM WINDOW
  - METAL LOUVER, PAINTED
  - 2x4 BRACE AT 48" o.c. AS REQUIRED
  - SCREENED ATTIC VENT 4" x 16" NOMINAL "LOMANCO C416" NATURAL FINISH ALUMINUM, SURFACE MOUNTED VENT WITH SCREEN BACKING OR EQUAL; VERIFY LOCATION (BETWEEN JOISTS) SET ABOVE INSULATION

**RECORD DRAWINGS:**  
 revisions drawn by: *[Signature]* date: *July 1, 97*

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BENCH MARK: 6-K13 4956.95

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
City Project No. 5183.91	Zone Map No. K-13 Z	Sheet A3	Of 25	

**SIEGEL DESIGN**  
 2726 CANDELARIA N.W.  
 ALBUQUERQUE NEW MEXICO 87107  
 505 344 6746 344 2097

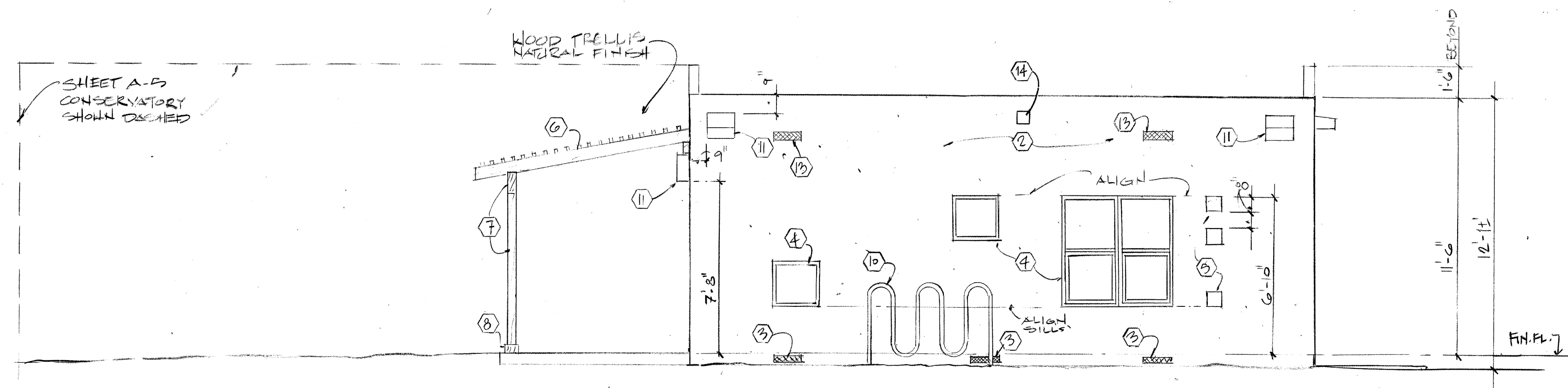
BARELAS AREA  
**CHILD CARE CENTER**  
 for: City of Albuquerque  
 Department of Family and Community Services  
 Albuquerque, New Mexico

PROJECT NO  
 ARCH: 9519

DATE REV  
 21 AUG '96

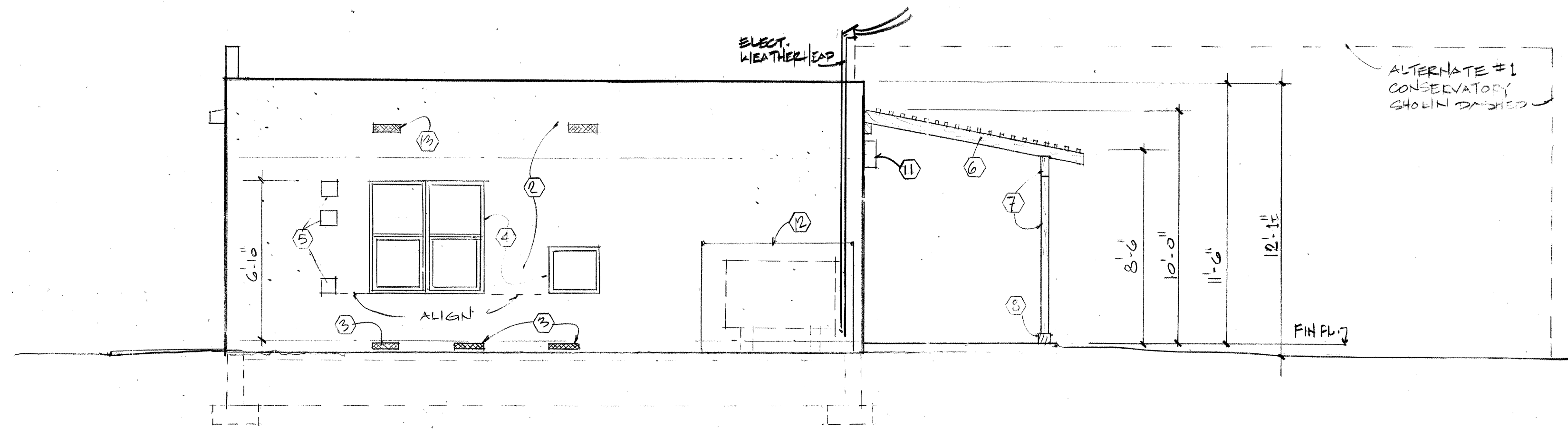
BUILDING  
 SECTIONS/  
 ELEVATION

**A3**  
 OF 25



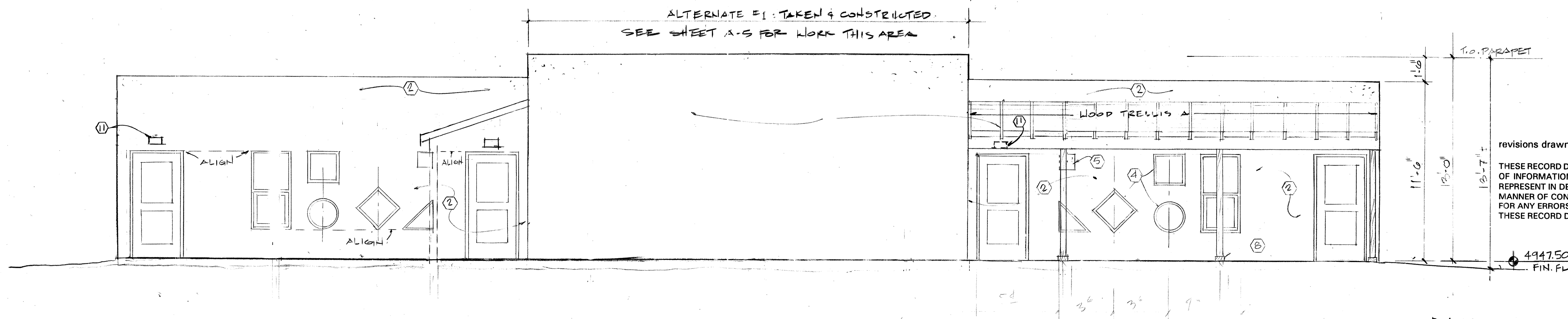
NORTH ELEVATION (FACING IRON S.W.) - BASE BID

1/4" = 1'-0"



SOUTH ELEVATION - BASE BID

1/4" = 1'-0"



EAST ELEVATION - BASE BID

1/4" = 1'-0"

KEYED NOTES:

1. STUCCO COLOR A
2. STUCCO COLOR B
3. SCREEN VENT 4" x 16" NOMINAL "LOMANCO C-416" NATURAL FINISH ALUMINUM, SURFACE MOUNTED VENT WITH SCREEN BACKING OR EQUAL; VERIFY LOCATION (BETWEEN JOISTS) SET AS HIGH AS POSSIBLE TO FLOOR
4. ALUMINUM WINDOW
5. GLASS BLOCK
6. WOOD TRELLIS; STAIN FINISH; DELETE IF ALTERNATE 1 IS TAKEN
7. WOOD POST/BEAM; STAIN FINISH; DELETE IF ALTERNATE 1 IS TAKEN
8. 1 x 4 PRESSURE TREATED SHOE TRIM; STAIN FINISH; DELETE IF ALTERNATE 1 IS TAKEN
9. NOTE DELETED
10. BICYCLE RACK (PREFINISHED)
11. EXTERIOR LIGHT FIXTURE
12. CHAIN LINK FENCE
13. SCREENED ATTIC VENT 4" x 16" NOMINAL "LOMANCO C416" NATURAL FINISH ALUMINUM, SURFACE MOUNTED VENT WITH SCREEN BACKING OR EQUAL; VERIFY LOCATION (BETWEEN JOISTS) SET ABOVE INSULATION
14. FIRE ALARM
15. SEALANT, CONTINUOUS
16. "J" METAL STUCCO STOP

**SIEGEL DESIGN**

2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

**CHILD CARE CENTER**

for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

PROJECT NO.  
ARCH: 9519

DATE REV.  
21 AUG. '96

ELEVATIONS

**A4**  
OF 25

RECORD DRAWINGS:  
revisions drawn by *[Signature]* date: 8/4/97

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4947.50  
FIN. FL.

BENCHMARK: 6-K13 4956.93 ELEV.

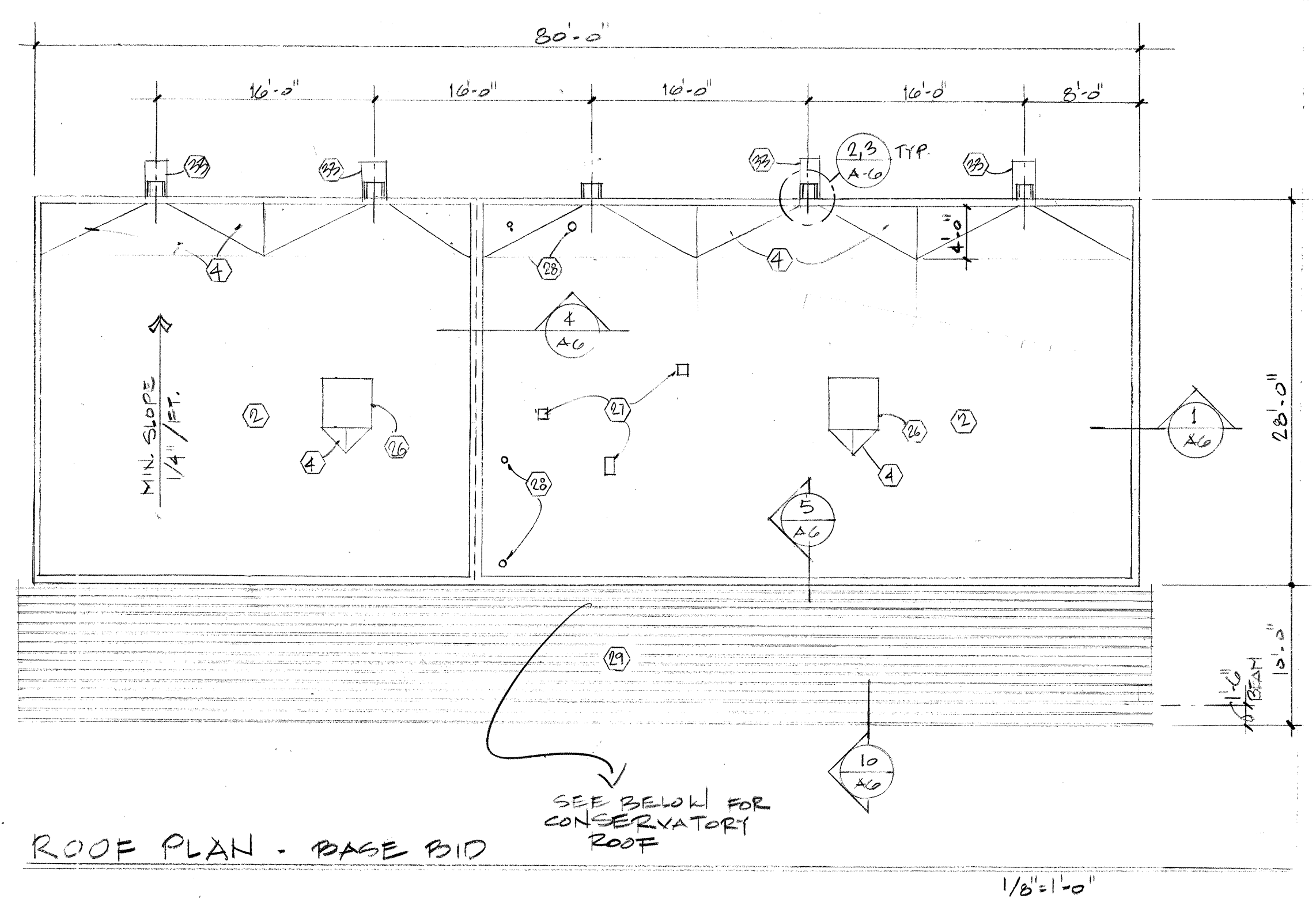
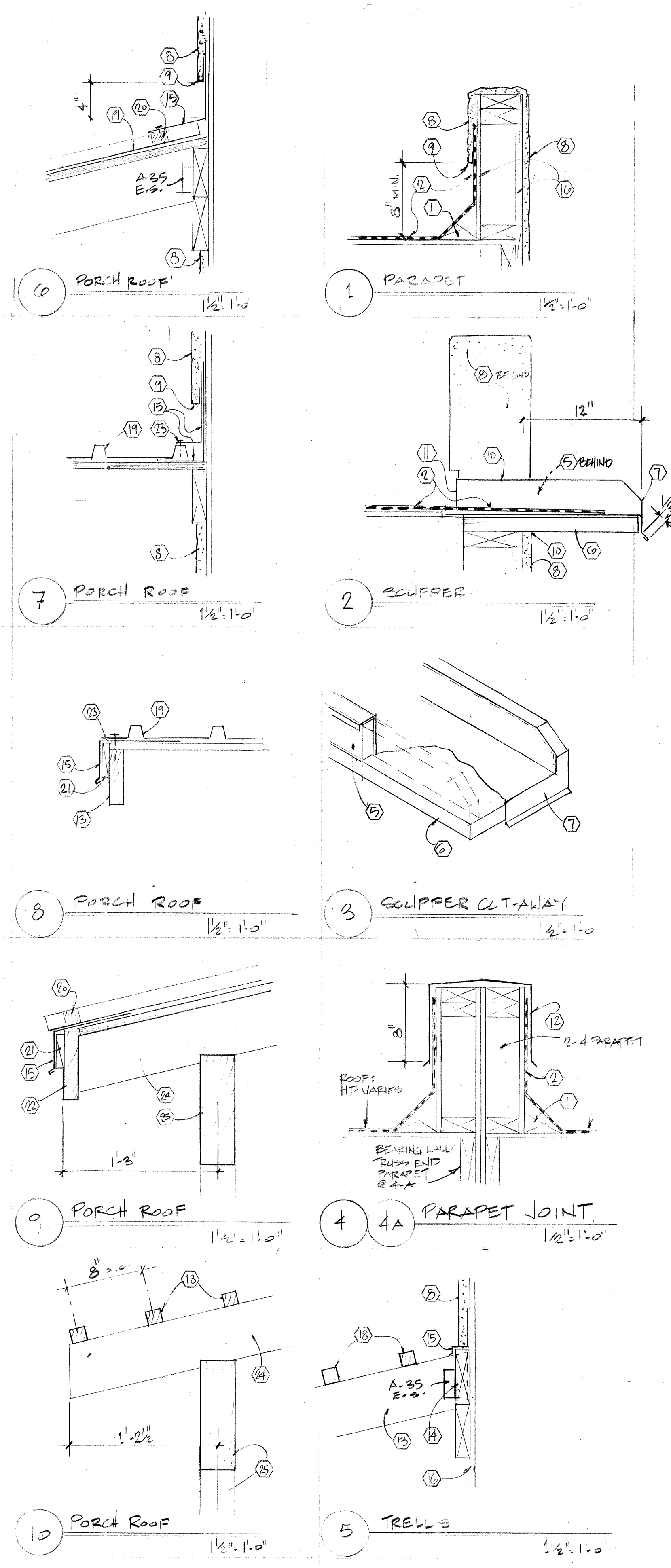
Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
City Project No. 5183.91	Zone Map No. K-13-Z	Sheet A4	Of 25	



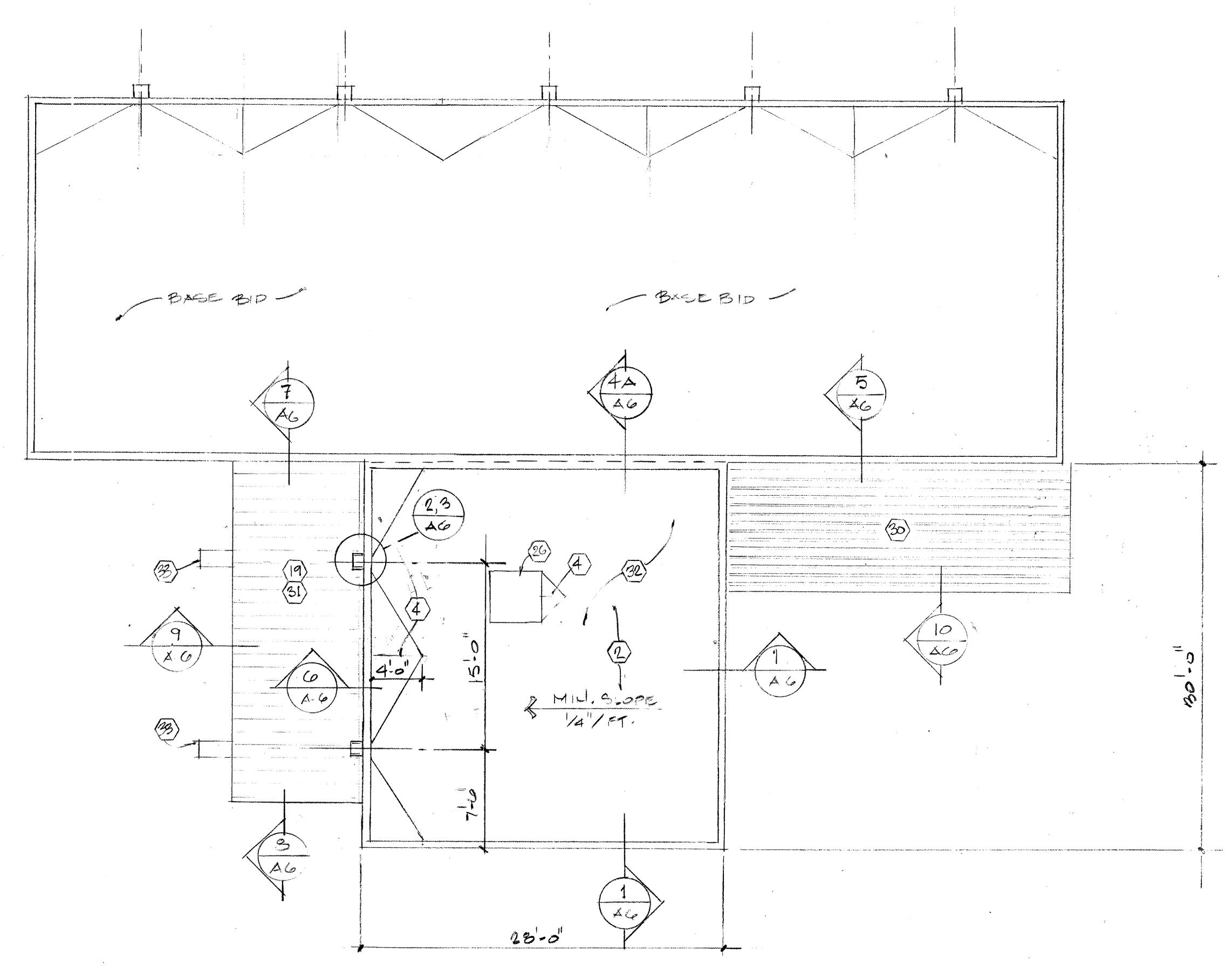
**CHILD CARE CENTER**  
for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

A 5  
OF 25

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
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ROOF PLAN - BASE BID



ROOF PLAN - ALTERNATES #1 & #2

- KEYED NOTES:**
- 3 x 3 (NOMINAL) CANT, TYPICAL
  - BUILT-UP ROOFING SYSTEM
  - NOTE DELETED
  - CRICKET
  - 2x4 WITH SHAPED END, SECURED TO SIDE OF PARAPET; PAINT WITH PENETRATING SEALER WHERE EXPOSED
  - 2x12; PENETRATING SEALER WHERE EXPOSED
  - 24 ga GALV. SCUPPER LINER (NO PAINT AT GALVANIZED FLASHINGS UNLESS SPECIFICALLY NOTED)
  - STUCCO
  - J-METAL TERMINATION
  - SEALANT
  - TURN METAL LINER BACK ON INSIDE OF PARAPET AND SEAL WATERTIGHT INTO ROOF FLASHING
  - 24 ga GALV. JOINT COVER
  - WOOD JOIST; PAINT ALL EXPOSED WOOD AT TRELLIS / PORCH ROOF STRUCTURES WITH PENETRATING SEALER
  - CONTINUOUS BLOCKING LEDGER
  - 24 ga GALV FLASHING
  - EXTERIOR SHEATHING
  - 3/4" PLYWOOD
  - 2 x 2, STAIN FINISH
  - METAL ROOF
  - FILLER/CLOSURE STRIP; SECURE WITH SEALER & SCREWS
  - 1 x 4
  - 2 x 8; STAIN FINISH
  - SEALANT TAPE UNDER FLASHING
  - WOOD JOIST, STAIN FINISH
  - WOOD BEAM, STAIN FINISH
  - EVAPORATIVE COOLER ON SKIDS; FLASH IN PER DETAIL ON SHEET M-1
  - EXHAUST FAN GOOSNECK THROUGH ROOF; FLASH IN WITH ROOFING AND COUNTERFLASH WITH 24 GA METAL
  - VENT THROUGH ROOF; FLASH IN WITH PREFORMED PIPE FLASHING
  - WOOD TRELLISES A,B,C; BASE BID. DELETE IF ALTERNATE #1 IS TAKEN
  - WOOD TRELLIS A: ALTERNATE #2
  - COVERED PORCH: ALTERNATE #2
  - CONSERVATORY: ALTERNATE #1
  - PRECAST CONCRETE SPLASH BLOCK (12" x 30" x 4" HIGH, NOMINAL) BELOW CANALES WHERE NO CONCRETE WALK EXISTS (4 TOTAL BASE BID; 2 TOTAL ALT. #2)

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 revisions drawn by *[Signature]* date: *July 1, 97*  
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BENCHMARK: G-K-13 4956.95 ELEV.

Design Review Committee	City Engineer Approval	Last Design Update	Mo / Day / Yr	Mo / Day / Yr
City Project No. 5183.91	Zone Map No. K-13-Z	Sheet A-6	Of 25	

**SIEGEL DESIGN**  
 2726 CANDELARIA N.W.  
 ALBUQUERQUE NEW MEXICO 87107  
 505 344 6746 344 2097

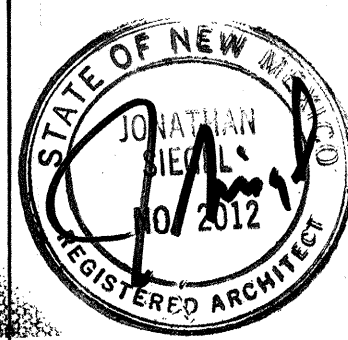
BARELAS AREA  
**CHILD CARE CENTER**  
 for: City of Albuquerque  
 Department of Family and Community Services  
 Albuquerque, New Mexico

PROJECT NO.  
 ARCH: 9519

DATE REV.  
 21 AUG. 96

ROOF PLAN  
 & ROOF DETAILS

**A6**  
 OF 25



**SIEGEL DESIGN**

2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
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BARELAS AREA  
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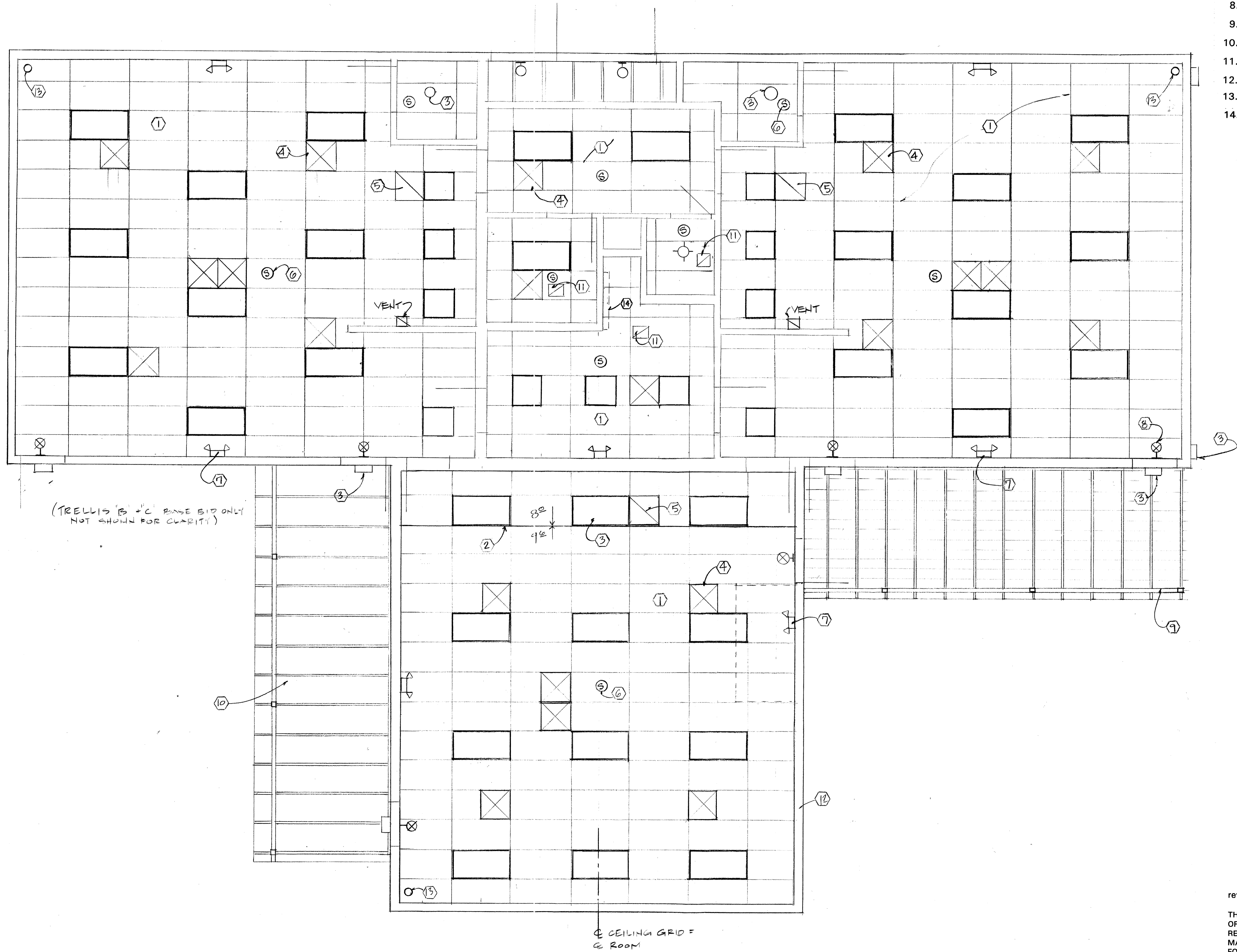
PROJECT NO.  
ARCH: 9519

DATE REV.  
21 AUG. '96

REFLECTED  
CEILING PLAN

**A 7**  
OF 25

- KEYED NOTES:
1. SUSPENDED ACOUSTIC TILE CEILING
  2. HEADWALL: ACOUSTIC TILE: FABRICATE WITH SUSPENDED ACOUSTIC CEILING GRID AND TILE. LAYOUT TO MATCH ADJACENT HORIZONTAL.
  3. LIGHT FIXTURE
  4. SUPPLY REGISTER
  5. RETURN AIR REGISTER
  6. SMOKE DETECTOR (S)
  7. EMERGENCY LIGHTING
  8. EXIT SIGN
  9. WOOD TRELLIS "A"; ALTERNATE 2
  10. COVERED PORCH "D"; ALTERNATE 2
  11. EXHAUST FAN
  12. ALTERNATE 1, CONSERVATORY
  13. SECURITY SYSTEM MOTION DETECTOR
  14. WALL MOUNTED LIGHT FIXTURE



REFLECTED CEILING PLAN INCLUDING BASE BID, ALT. #1 & ALT #2  
1/4"=1'-0"

RECORD DRAWINGS:  
revisions drawn by: *[Signature]* date: 6/6/97  
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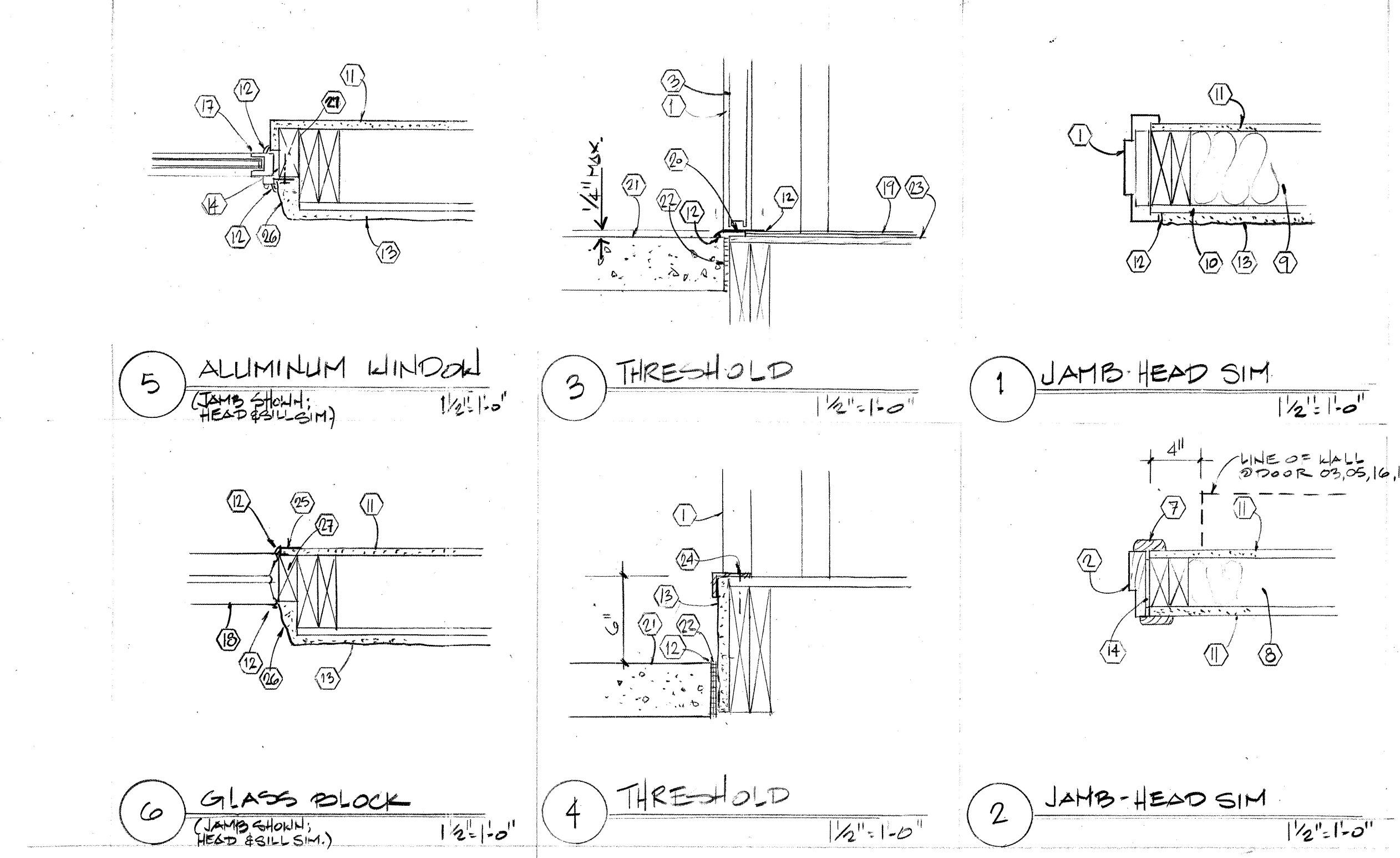
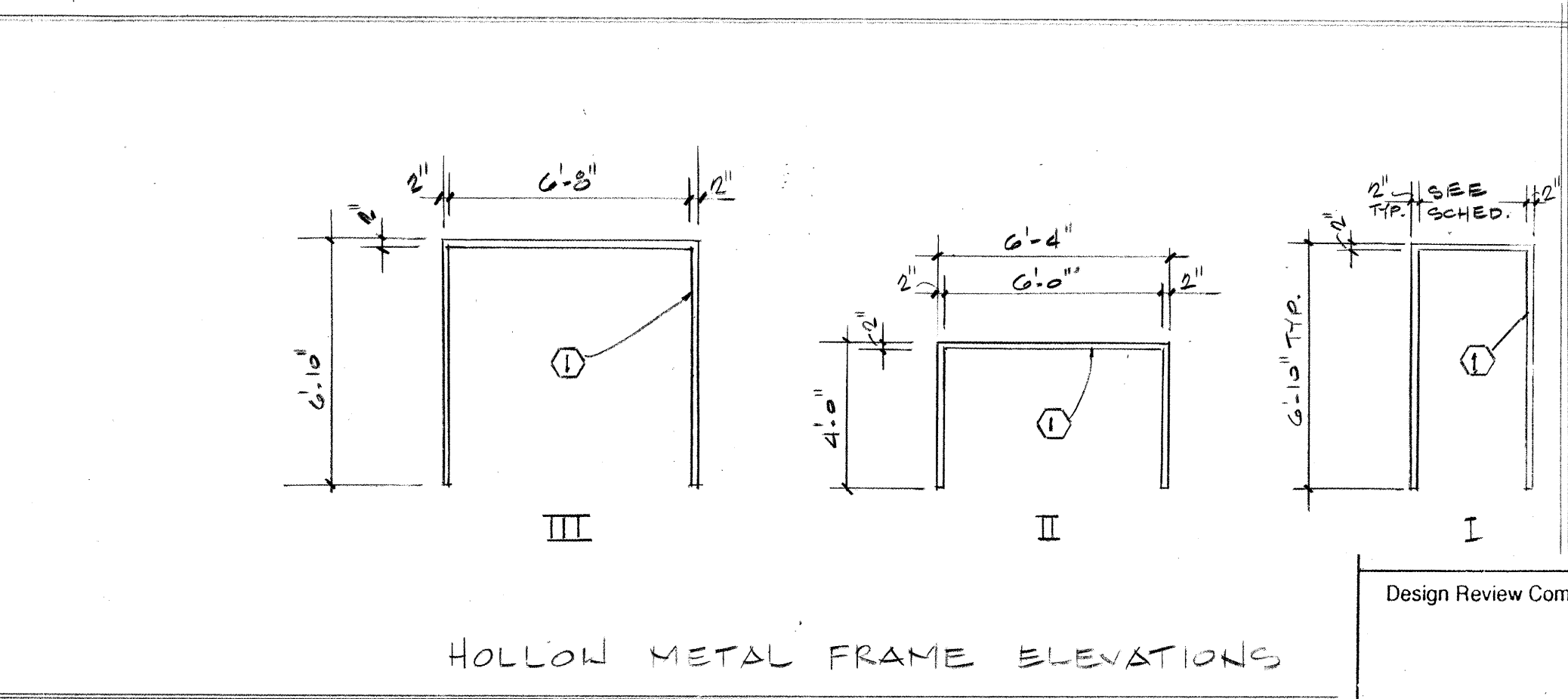
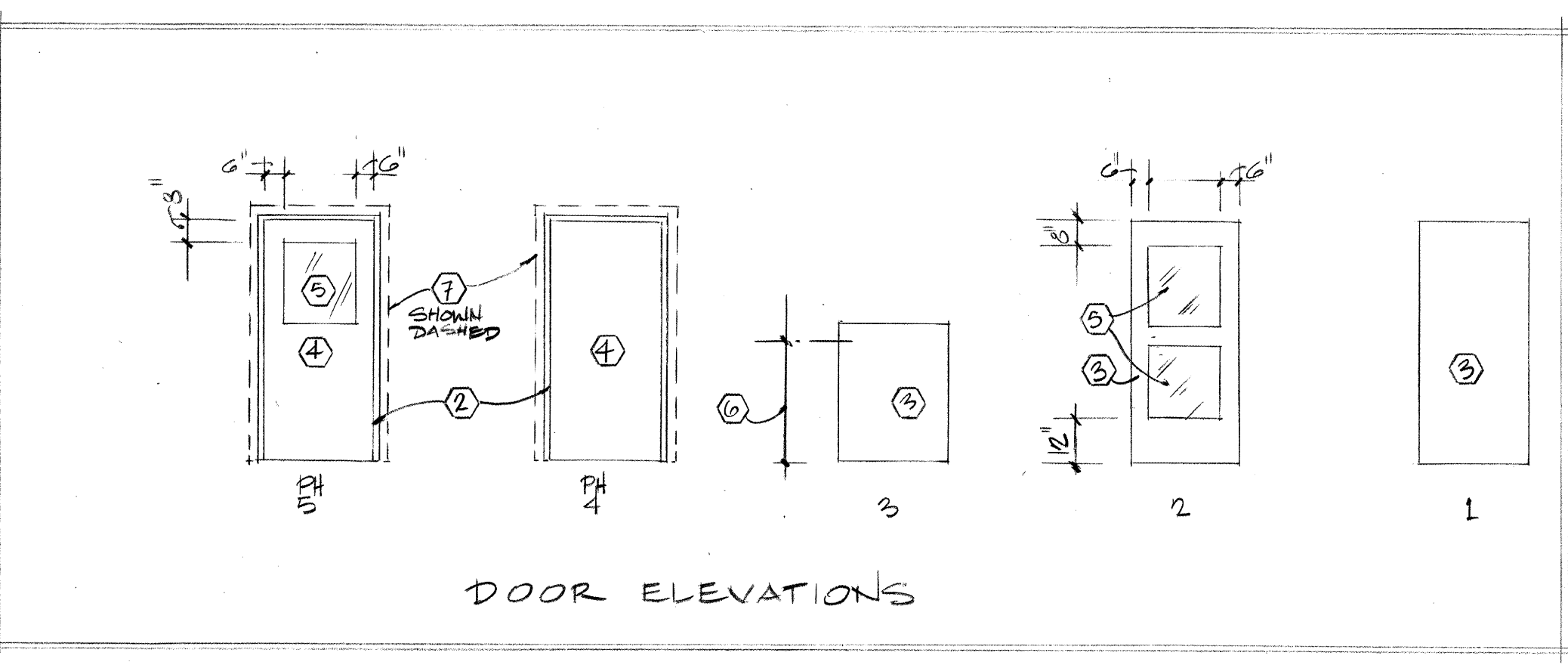
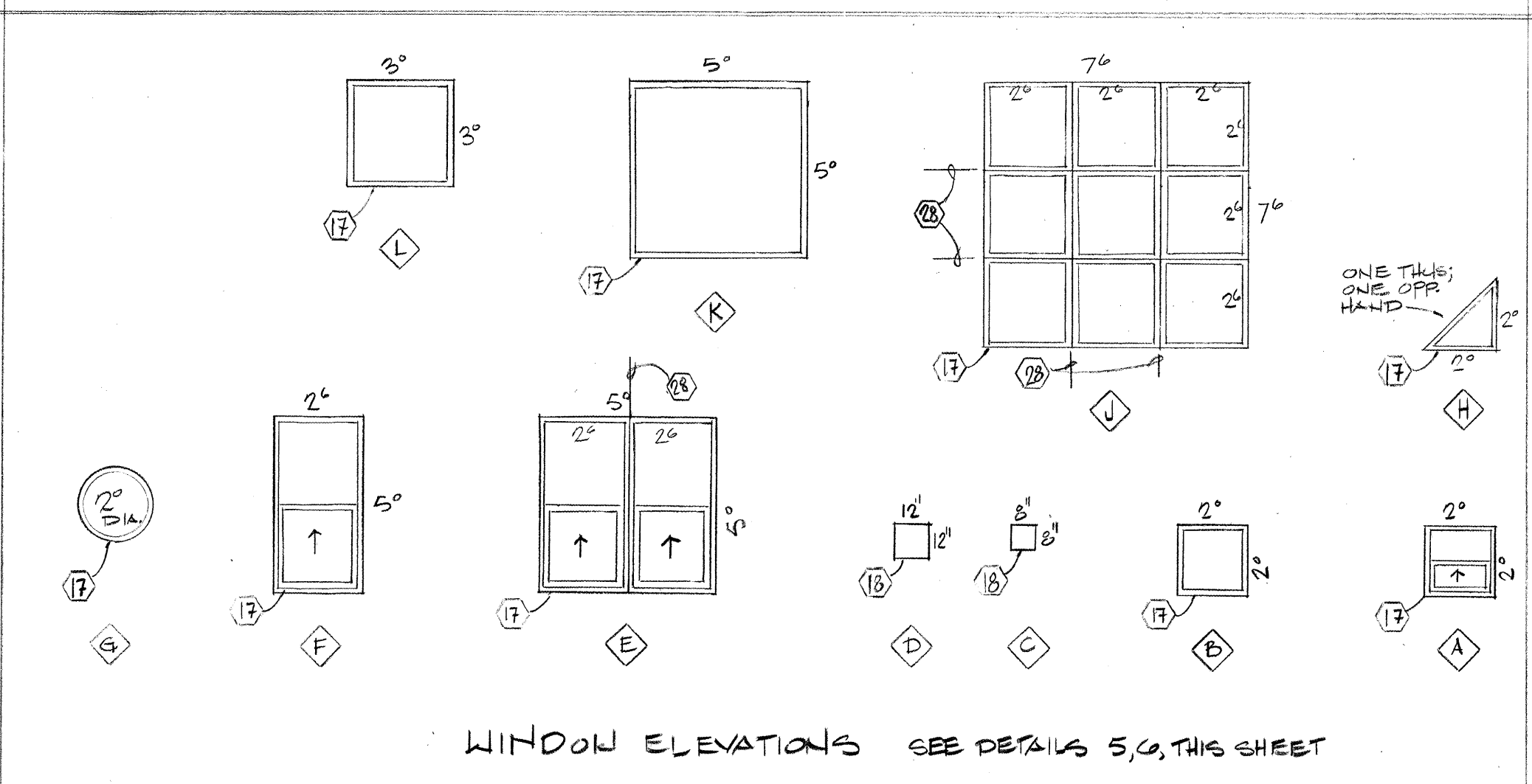
Design Review Committee	City Engineer Approval	Mo / Day / Yr	Mo / Day / Yr
City Project No. 5183.91	Zone Map No. K-13-Z	Sheet A-7	Of 25



DOOR SCHEDULE									
DOOR SIZE	ALL DOORS * 1 3/4" THICK	DOOR ELEV.	FRAME ELEV.	DETAILS			HARDWARE SET		REMARKS
				HEAD	JAMB	THRESHOLD			
01 3'0" x 6'8"		2	I	15M	1	3	1		SEE SHEET E2 FOR SECURITY SYST. NOTES
02 3'0" x 6'8"		2	I	15M	1	3	1		" " " " "
03 3'0" x 6'8"		4	PH	25M	2	2			
04 3'0" x 6'8"		4	PH	25M	2	2			
05 3'0" x 6'8"		5	PH	25M	2	2			
06 3'0" x 6'8"		4	PH	25M	2	2			
07 2'8" x 6'8"		1	I	15M	1	4	4		
08 PR 3'4" x 6'8"		1	III	15M	1	4	5		
09 DELETED									
10 3'0" x 6'8"		4	PH	25M	2	2			
11 3'0" x 6'8"		5	PH	25M	2	2			
12 2'8" x 6'8"		4	PH	25M	2	2			
13 3'0" x 6'8"		4	PH	25M	2	2			
14 3'0" x 6'8"		2	I	15M	1	3	1		SEE SHEET E2 FOR SECURITY SYST. NOTES
15 3'0" x 6'8"		2	I	15M	1	3	1		" " " " "
16 3'0" x 6'8"		5	PH	25M	2	2			ALT. #1
17 3'0" x 6'8"		5	PH	25M	2	2			ALT. #1
18 3'0" x 6'8"		2	I	15M	1	3	1		ALT. #1 SEE SHEET E2 FOR SECURITY SYST. NOTES
19 PR 3'0" x 3'0"		3	II	15M	1	3	9		ALT. #1 " " " " "
20 3'0" x 6'8"		2	I	15M	1	3	1		ALT. #1

ROOM FINISH SCHEDULE														
No.	NAME	FLOOR	WALLS				CEILING				SIGN REQ'D	REMARKS		
			FLOOR	BASE	NORTH	EAST	SOUTH	WEST						
					MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	HEIGHT	
01	CLASSROOM 1	F1*	B2	W1	W2	W1	W2*	W1	W2	C1	C3	8'-0"	—	*F2 12'x18'-SEE PLAN **W3 @ KITCHEN
02	STORAGE A	F1	B2	W1	W2	W1	W2	W1	W2	C1	C3	7'-0"	—	
03	MECHANICAL	F3	—	W1	W4	W1	W4	W1	W4	C2	C4	9'-6"	—	
04	STORAGE B	F1	B2	W1	W2	W1	W2	W1	W2	C1	C3	7'-0"	—	
05	OFFICE	F1	B2	W1	W2	W1	W2	W1	W2	C1	C3	8'-0"	—	
06	STAFF TOILET	F1	B1	W1	W3	W1	W3	W1	W3	C1	C3	8'-0"	1*	"UNISEX" SIGN
07	JANITOR	F1	B1	W1	W3	W1	W3	W1	W3	C1	C3	8'-0"	1	
08	CHILDREN'S BIL.	F1	B1	W1	W3	W1	W3	W1	W3	C1	C3	8'-0"	2*	"UNISEX" SIGN
09	CLASSROOM 2	F1*	B2	W1	W2	W1	W2*	W1	W2*	C1	C3	8'-0"	—	*F2 12'x18'-SEE PLAN **W3 @ KITCHEN
10	CONSERVATORY	F1*	B2	W1	W2	W1	W2	W1	W2	C1	C3	9'-0"*	—	*F2 12'x13'-6" SEE PLAN ALT #1 **@CEILING W/ END
11	TOY STORAGE	F3	B3	* W3	* W3	* W3	* W3	* W3	* W3	C5	11'-0"		—	*PLYWOOD OR OSB ALT #1

- INTERIOR FINISH SCHEDULE:
- F1 VCT ON 1/4" UNDERLAYMENT  
F2 CARPET  
F3 EXPOSED SUBFLOOR
- B1 6" VINYL  
B2 4" VINYL  
B3 QUARTER ROUND, PAINTED
- W1 GYPSUM BOARD  
W2 PAINT FLAT  
W3 PAINT SEMIGLOSS  
W4 BED & TAPE TO SEAL JOINTS; NO PAINT
- C1 2 x 4 SUSPENDED ACOUSTIC TILE LAY IN  
C2 OPEN TO STRUCTURE  
C3 FACTORY FINISHED  
C4 NO FINISH  
C5 PAINT SEMIGLOSS
- KEYED NOTES:
- HOLLOW METAL FRAME
  - WOOD FRAME (5/4), PAINTED
  - HOLLOW METAL DOOR
  - WOOD DOOR
  - TEMPERED or LAMINATED SAFETY GLASS
  - MAINTAIN STANDARD HARDWARE PREP DISTANCE UP FROM BOTTOM
  - 2-1/4" WOOD CASING, PAINTED
  - 2x4 WOOD STUD WALL
  - 2x6 WOOD STUD WALL
  - 7/16" OSB SHEATHING
  - 5/8" GYPSUM BOARD
  - SEALANT
  - STUCCO
  - SHIM SPACE
  - NOTE DELETED
  - NOTE DELETED
  - ALUMINUM WINDOW UNIT
  - GLASS BLOCK
  - VCT SET ON 1/4" UNDERLAYMENT
  - ALUMINUM THRESHOLD SET IN SEALANT
  - CONCRETE SLAB ON GRADE
  - 1/2" FIBEROUS EXPANSION MATERIAL
  - 3/4" OSB SUBFLOOR; TOP OF SUBFLOOR = FINISHED FLOOR (REF. = 0'-0")
  - 2 x 3 x 3/16 STEEL ANGLE SET WITH COUNTERSUNK SCREWS (3 @ DOOR 07, 4 @ DOOR 08)
  - "J" METAL
  - FLARE/SLOPE STUCCO AS SHOWN
  - 2 x 4 BUCK
  - FACTORY MULL TO FORM SINGLE UNIT



RECORD DRAWINGS:  
revisions drawn by: *[Signature]* date: *July 1, 97*

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City Project No. 5183.91	Zone Map No. K-13-Z	Sheet A9	Of 25	

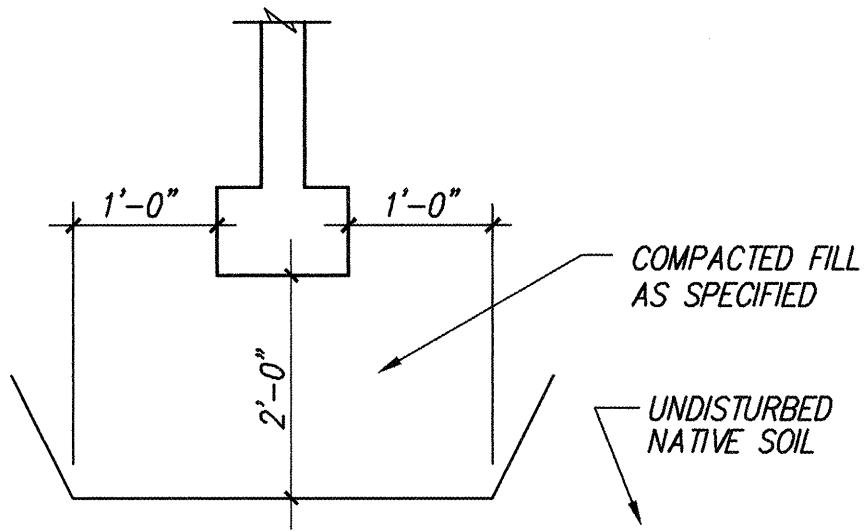
**SIEGEL DESIGN**  
2726 CANDELARIA N.W.  
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**CHILD CARE CENTER**  
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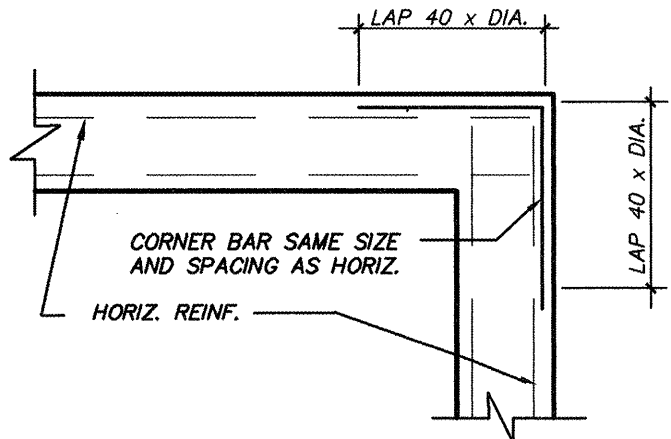
PROJECT NO. ARCH: 9519

DATE REV. 21 AUG. '96

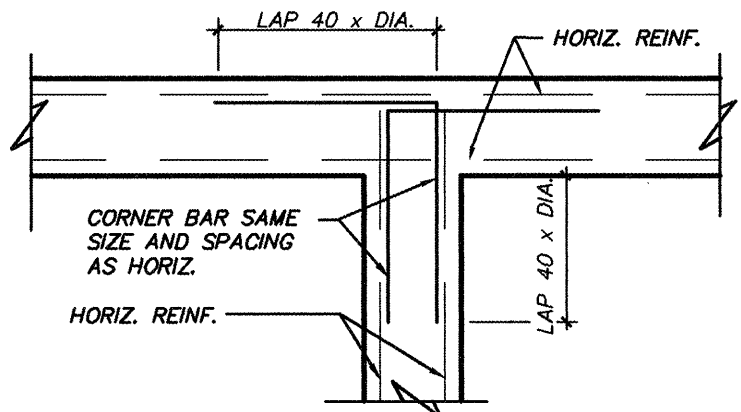
**A9**  
OF 25



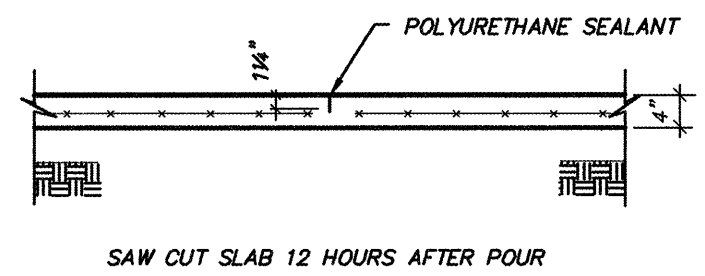
TYPICAL OVEREXCAVATION DETAIL



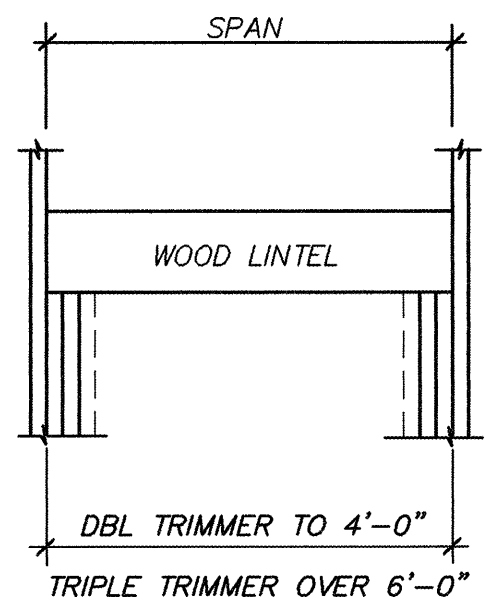
TYPICAL CORNER AT CONCRETE FOOTINGS AND WALLS



TYPICAL INTERSECTION AT CONCRETE FOOTINGS AND WALLS



TYPICAL CONTRACTION JOINT (CTR. J.T.)



TYPICAL WOOD LINTEL

WOOD LINTEL SCHEDULE	
SPAN	HEADER
UP TO 6'-0"	2 - 2x10
6'-0" TO 8'-0"	2 - 2x12
8'-0" TO 10'-0"	3 - 2x12

#### ABBREVIATIONS

A.B. ANCHOR BOLT  
ALT. ALTERNATE  
ARCH. ARCHITECTURAL  
BOT. BOTTOM OF MEMBER  
BM. BEAM  
BOT. OR B. BOTTOM OF FOOTING  
BRDG. BRIDGING  
C/C OR O.C. CENTER TO CENTER  
C.J.T.S. CONSTRUCTION JOINT  
C.J.T.S. CONST. JOINT AT THICKENED SLAB  
CLR. CLEAR  
CMU. CONCRETE MASONRY UNIT  
COL. COLUMN  
CONC. CONCRETE  
CONT. CONTINUOUS  
COORD. COORDINATE  
CTR. J.T. CONTRACTION JOINT  
DBL. DOUBLE  
DIA. DIAMETER  
DIR. DIRECTION  
DWLS. DOWELS  
E.E. EACH END  
E.F. EACH FACE  
E.J. EXPANSION JOINT  
E.S. EACH SIDE  
E.W. EACH WAY  
EA. EACH  
EL. ELEVATION  
EXP. A.B. EXPANSION ANCHOR BOLT  
F.S. FAR SIDE  
FIN. FLR. FINISH FLOOR  
FND. FOUNDATION  
FTG. FOOTING  
GA. GAUGE  
G.B. GRADE BEAM  
G.C. GENERAL CONTRACTOR  
G.C.M. GROUTED CORE MASONRY  
GLU-LAM. GLUE LAMINATED  
G.S. GROUND SURFACE  
GALV. GALVANIZED  
H.A.S. HEADED ANCHOR STUDS  
H.C.M. HOLLOW CORE MASONRY  
H.P. HIGH POINT  
HK. HOOK  
HORIZ. HORIZONTAL  
J.B. JOIST BEARING  
JST. JOIST  
JT. JOINT  
L.L.H. LONG LEG HORIZONTAL  
L.L.O. LONG LEG OUT  
L.L.V. LONG LEG VERTICAL  
L.P. LOW POINT  
L.W. LONG WAY  
M.C.J. MASONRY CONTROL JOINT  
M.D. METAL DECK  
MAX. MAXIMUM  
MECH. MECHANICAL  
MIN. MINIMUM  
MISC. MISCELLANEOUS  
N.S. NEAR SIDE  
N.T.S. NOT TO SCALE  
O.C. ON CENTER  
O.F. OUTSIDE FACE  
O.S.W. OVER SIZED WASHER  
OPG. OPENING  
P.P. PANEL POINT TO PANEL POINT  
P/T. POST TENSION  
P.C. PRECAST CONCRETE  
P.C.P. PRECAST CONCRETE PLANK PANEL  
PL. PLATE  
REINF. REINFORCING  
S.D. STEP DOWN OR STRUCTURAL DECKING  
S.F. STEP FOOTING  
S.J. STEEL JOIST  
S.L.O. SHORT LEG OUT  
S.L.V. SHORT LEG VERTICAL  
S.M. SOLID MASONRY  
S.U. STEP UP  
S.W. SHORT WAY  
SCHED. SCHEDULED  
T.O.M. TOP OF MEMBER  
T.C. TOP CHORD OF TRUSS  
T.D. TURN DOWN SLAB  
T.F. TOP OF FOOTING  
T.J. TIE JOIST  
T.O.J. TOP OF JOIST  
T.O.S. TOP OF STRUCTURAL STEEL  
T.P. TOP OF PARAPET  
T.S. THICKENED SLAB  
T&B. TOP AND BOTTOM  
TR. TRUSS  
TYP. TYPICAL  
V.F. VERIFY IN FIELD  
VER. VERTICAL  
VERT. OR V. VERTICAL OR VERTICAL  
W. WITH  
WT. WEIGHT  
WWF. WELDED WIRE FABRIC

#### LEGEND

ANCHOR BOLT  
ALTERNATE  
ARCHITECTURAL  
BOTTOM OF MEMBER  
BEAM  
BOTTOM OF FOOTING  
BRIDGING  
CENTER TO CENTER  
CONSTRUCTION JOINT  
CONST. JOINT AT THICKENED SLAB  
CLEAR  
CONCRETE MASONRY UNIT  
COLUMN  
CONCRETE  
CONTINUOUS  
COORDINATE  
CONTRACTION JOINT  
DOUBLE  
DIAMETER  
DIRECTION  
DOWELS  
EACH END  
EACH FACE  
EXPANSION JOINT  
EACH SIDE  
EACH WAY  
EACH  
ELEVATION  
EXPANSION ANCHOR BOLT  
FAR SIDE  
ELEVATION OF FINISHED FLOOR  
FOUNDATION  
FOOTING  
FOOTING  
GAUGE  
GRADE BEAM  
GENERAL CONTRACTOR  
GROUTED CORE MASONRY  
GLUE LAMINATED  
GROUND SURFACE  
GALVANIZED  
HEADED ANCHOR STUDS  
HOLLOW CORE MASONRY  
HIGH POINT  
HOOK  
HORIZONTAL  
JOIST BEARING  
JOIST  
JOINT  
LONG LEG HORIZONTAL  
LONG LEG OUT  
LONG LEG VERTICAL  
LOW POINT  
LONG WAY  
MASONRY CONTROL JOINT  
METAL DECK  
MAXIMUM  
MECHANICAL  
MINIMUM  
MISCELLANEOUS  
NEAR SIDE  
NOT TO SCALE  
ON CENTER  
OUTSIDE FACE  
OVER SIZED WASHER  
OPENING  
PANEL POINT TO PANEL POINT  
POST TENSION  
PRECAST CONCRETE  
PRECAST CONCRETE PLANK PANEL  
PLATE  
REINFORCING  
STEP DOWN OR STRUCTURAL DECKING  
STEP FOOTING  
STEEL JOIST  
SHORT LEG OUT  
SHORT LEG VERTICAL  
SOLID MASONRY  
STEP UP  
SHORT WAY  
SCHEDULED  
TOP OF MEMBER  
TOP CHORD OF TRUSS  
TURN DOWN SLAB  
TOP OF FOOTING  
TIE JOIST  
TOP OF JOIST  
TOP OF STRUCTURAL STEEL  
TOP OF PARAPET  
THICKENED SLAB  
TOP AND BOTTOM  
TRUSS  
TYPICAL  
VERIFY IN FIELD  
VERTICAL  
VERTICAL OR VERTICAL  
WITH  
WEIGHT  
WELDED WIRE FABRIC

#### GENERAL NOTES

##### 1. GENERAL:

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS AND SAFETY OF WORKERS.
- MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF THE REQUIRED INSERTS WITH THE GENERAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR SUPPORTING STRUCTURE AND INSERTS.
- MECHANICAL CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES FOR MECHANICAL EQUIPMENT, AND ALL NECESSARY HANGING DEVICES AND INSERTS FOR INSTALLATION OF MECHANICAL EQUIPMENT.
- CONSULT MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL CHASES, SLEEVES, OPENINGS, DUCTS, ETC., AS REQUIRED.
- WHERE CONFLICTS OCCUR BETWEEN SPECIFICATIONS, NOTES, REFERENCED CODES, AND WORKING DRAWINGS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- SECTIONS AND DETAILS NOT SPECIFICALLY NOTED, SHALL BE CONSTRUCTED PER SECTIONS AND DETAILS SHOWN MOST APPLICABLE.
- SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITAL TO THE ARCHITECT FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.

##### 2. DESIGN CRITERIA:

#### BUILDING CODES AND STANDARDS:

- 1991 UNIFORM BUILDING CODE AND 1993 UAC FOR THE CITY OF ALBUQUERQUE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION 9TH EDITION, "MANUAL OF STEEL CONSTRUCTION, ASD"
- AMERICAN CONCRETE INSTITUTE 318-89, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
- AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, "TIMBER CONSTRUCTION MANUAL"

#### 3. DESIGN LOADS:

- LIVE LOADS:**  
ROOFS: 20 PSF  
FLOORS: 40 PSF
- DEAD LOADS:**  
ROOF: 20 PSF  
FLOORS: 12 PSF
- WIND LOADS:** IN ACCORDANCE WITH UBC "1991" CODE  
75 MPH BASIC WIND SPEED  
CQ = 1.3 CE = EXPOSURE 'C' I = 1  
PRESSURE = 0' - 15' 20.7 PSF

- SEISMIC LOADING:** IN ACCORDANCE WITH UBC "1991" CODE AND UAC 1993  
ZONE: 2B  
Z = 0.2  
C = 2.75  
RW = 8

- SOIL ALLOWABLE:** SOIL BEARING = 1500 PSF  
(ON STRUCTURAL FILL)  
(SEE STRUCTURAL EARTHWORKS NOTES)

#### 4. MATERIALS:

- CONCRETE FOR FOUNDATIONS:** FC = 3000 PSI  
(SEE CITY OF ALBUQUERQUE SECTION 13)
- STEEL:**  
1. STRUCTURAL STEEL: ASTM A36  
2. BOLTS (UNLESS OTHERWISE NOTED): ASTM A307  
3. LAG BOLTS: FED. SPEC. FF-B-561  
4. CONCRETE/MASONRY ANCHORS: ASTM A307  
5. CONCRETE/MASONRY REINFORCEMENT: ASTM A615 GR 60
- MASONRY:**  
1. CONCRETE MASONRY UNITS (CMU): F'M = 1250 PSI  
ASTM C90, GR N-1  
2. MORTAR: 1000 PSI  
ASTM C270, TYPE S  
3. GROUT: 2000 PSI  
ASTM C476
- WOOD:**  
NOTE: ALL SAWN LUMBER SHALL HAVE A MOISTURE CONTENT OF 19% OR LESS.  
1. FRAMING LUMBER (STUDS) HEM - FIR #2 OR BETTER  
2. EXPOSED LUMBER: DOUGLAS FIR - LARCH #2  
3. SHEATHING: OSB (ORIENTED STRAND BOARD)  
4. SILL PLATES: TREATED LUMBER  
5. NAILS: FED. SPEC. FF-N-1-1 (EXTERIOR GALVANIZED)  
HEM - FIR #2  
NOTE: TREATED LUMBER SHALL BE TREATED FOR GROUND CONTACT AS PER UBC REQUIREMENTS.

#### 5. CONCRETE NOTES:

- SPECIFICATIONS:**  
1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301.  
2. ALL HOT WEATHER CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 305.  
3. ALL COLD WEATHER CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 306.

#### B. FOOTINGS:

- UNLESS DIMENSIONED OTHERWISE, CENTER CONTINUOUS FOOTINGS ON WALL.
- WHERE COLUMN AND WALL FOOTINGS INTERSECT, CAST THESE MONOLITHIC AND CONTINUE WALL FOOTING REINFORCING THROUGH THE COLUMN FOOTING.
- CENTER COLUMN FOOTINGS ABOUT COLUMN CENTER LINES BOTH WAYS, UNLESS DIMENSIONED OTHERWISE.

#### C. CONCRETE REINFORCING:

- PROVIDE VERTICAL DOWELS IN CONTINUOUS FOOTING, SAME SIZE AND SPACING AS THE VERTICAL WALL STEEL.
- FOR OPENINGS 1'-0" AND LARGER IN WALLS AND STRUCTURAL SLABS UNLESS NOTED OR DETAILED, PROVIDE NO. 5 X 4'-0" ALL CORNERS, TWO NO. 5 AT EACH SIDE, TOP AND BOTTOM.
- UNLESS NOTED OR DETAILED, PROVIDE CORNER BARS THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING AT THE CORNERS AND INTERSECTION OF ALL WALLS, BEAMS, AND FOOTINGS.
- AT ALL BEAMS, REINFORCING SPLICES SHALL BE LAPPED A MINIMUM OF 2'-0". FOR THE TOP REINFORCING STEEL, THE SPLICE SHALL BE PLACED AT THE MIDSPAN OF THE BEAM. FOR THE BOTTOM REINFORCING STEEL, THE SPLICE SHALL BE PLACED AT THE BEARING POINT OF THE BEAM.

#### 6. CMU NOTES:

- UNLESS OTHERWISE NOTED, PROVIDE GALVANIZED STANDARD TRUSS TYPE DUR-O-WAL AT ALTERNATE COURSES FOR HORIZONTAL REINFORCING IN C.M.U. PROVIDE CONTINUOUS BOND BLOCK CONCRETE FILLED WITH TWO NO. 5 CONTINUOUS AT TOP OF ALL MASONRY WALLS AND CONTINUOUS ALL SIDES AT ALL JOIST BEARING ELEVATIONS. EXTEND VERTICALS THRU BOND BLOCK COURSES UNLESS OTHERWISE NOTED OR DETAILED.
- UNLESS OTHERWISE NOTED OR DETAILED, VERTICAL REINFORCING ALL CONCRETE MASONRY WALLS SHALL BE: "ASTM-A615-60".

ALL CMU WALLS SHALL BE REINFORCED AS FOLLOWS, UNLESS OTHERWISE NOTED:

#### NO. 5 REBAR.

- 3 VERTICALS AT ALL CORNERS.
- 1 VERTICAL AT END OF ALL DISCONTINUOUS WALL RUNS.
- 1 VERTICAL EACH SIDE OF ALL MASONRY WALL OPENINGS.
- 1 VERTICAL AT 32" O.C. IN ALL STRAIGHT WALL RUNS.
- 1 VERTICAL EACH SIDE OF ALL CONTROL JOINTS.

PROVIDE VERTICAL DOWELS SAME AS VERTICAL BARS TOP AND BOTTOM OF EACH VERTICAL EXTENDING 30 DIA. INTO ABUTTING CONSTRUCTION 40 DIA. INTO CONCRETE FILLED CELLS. ALL SPLICES SHALL BE SECURELY TIED WITH WIRE.

- UNLESS OTHERWISE SHOWN, PROVIDE MASONRY CONTROL JOINTS, NO. 8 WIDE FLANGE RAPID CONTROL JOINT ON MASONRY WALLS AT THE FOLLOWING LOCATIONS:  
AT 12'-0" FROM ALL CORNERS.  
AT 32'-0" O.C. IN ALL STRAIGHT WALL RUNS.

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

#### 7. WOOD FRAMING NOTES:

- PROVIDE STUDS IN CONTINUOUS LENGTHS WITHOUT SPLICES. PROVIDE TRIPLE STUDS AT CORNERS AND WALL INTERSECTIONS WITH NAILING SURFACE FOR EDGE OF FINISHING. BORE HOLES NOT GREATER THAN 40% OF WIDTH OF STUDS, MINIMUM 3/4" FROM HEADERS UP TO 6'-0", TWO 2X12 FOR HEADERS UP TO 8'-0", THREE 2X12 HEADERS UP TO 10'-0".
- PROVIDE DOUBLE JAMB STUDS FOR OPENINGS LESS THAN 4 FEET WIDE, TRIPLE JAMB STUDS FOR OPENINGS OVER 4 FEET. UNLESS OTHERWISE NOTED, PROVIDE TWO 2X10 FOR HEADERS UP TO 6'-0", TWO 2X12 FOR HEADERS UP TO 8'-0", THREE 2X12 HEADERS UP TO 10'-0".
- INSTALL JOIST WITH CROWN EDGE UP. BEAR ENDS MINIMUM 1-1/2" (3" ON MASONRY). PROVIDE SOLID BLOCKING OF SAME SECTION SIZE AS JOIST AT ENDS OF JOIST AND FOR BRIDGING AS FOLLOWS (UNLESS OTHERWISE SHOWN): SPANS TO 10 FEET - ONE ROW MIDSPAN; SPANS TO 20 FEET - TWO ROWS AT THIRD POINTS; SPANS TO 30 FEET - ROWS OF BRIDGING 8 FEET MAXIMUM APART. PRE-MANUFACTURED METAL OR 1X3 WOOD CROSS BRIDGING MAY BE SUBSTITUTED FOR SOLID BRIDGING ON CONCEALED WORK. NOTCH NO MORE THAN 1/10 THE DEPTH OF THE JOIST, NOT IN THE MIDDLE THIRD. BORE HOLES NO MORE THAN 1/4 DEPTH OF JOIST, MINIMUM 2" FROM TOP OR BOTTOM OF JOIST. PROVIDE DOUBLE JOIST UNDER ALL PARTITIONS RUNNING PARALLEL TO JOISTS.
- PLACE OSB AND/OR PLYWOOD SHEATHING WITH STRONG AXIS PERPENDICULAR TO SUPPORTS. STAGGER JOINTS AND LOCATE OVER CENTER OF FRAMING. ALLOW 1/16" FOR EXPANSION AND CONTRACTION. UNLESS OTHERWISE CALLED FOR ON THE DRAWINGS, PROVIDE PLYCLIPS AT UNSUPPORTED EDGES OF ROOF SHEATHING PANELS. NAIL WITH 10D NAILS AT 6" ON CENTER ALONG ALL EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS. USE 12D NAILS FOR 3/4" PLYWOOD.
- PLACE 7/16" OSB SHEAR WALLS OVER ENTIRE EXTERIOR OF BUILDING. NAIL WITH 10D AT 4" ON CENTER AT EDGES AND AT 12" ON CENTER AT INTERMEDIATE FRAMING. PROVIDE WOOD BLOCKING AT ALL PANEL EDGES.
- JOIST HANGERS, FRAMING ANCHORS, AND CLIPS SHALL BE A MINIMUM THICKNESS OF 18 GA. GALVANIZED, UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL PRE-PUNCTURED NAIL HOLES SHALL BE USED WITH NAILS AS RECOMMENDED BY THE MANUFACTURER FOR THE VARIOUS CONNECTORS. USE "SIMPSON" OR AN APPROVED EQUAL.

#### 8. PREFABRICATED WOOD COMPONENTS

- DESCRIPTIONS:** PREFABRICATED WOOD TRUSSES.
- REFERENCES:** A. UNIFORM BUILDING CODE AND STANDARDS.  
B. TRUSS PLATE INSTITUTE SPECIFICATIONS.  
C. NATIONAL FOREST PRODUCTS ASSOCIATION SPECIFICATIONS.  
D. AITC AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
- QUALITY ASSURANCE:**  
A. FABRICATOR SHALL HAVE MINIMUM OF THREE YEARS EXPERIENCE IN FABRICATING THE COMPONENT SPECIFIED.  
B. FINAL DESIGN SHALL BE ACCOMPANIED BY STAMP OF LICENSED STRUCTURAL ENGINEER AND BY CERTIFICATION OF MANUFACTURER THAT COMPONENT WILL SUSTAIN THE DESIGN LOADS AT THE SPECIFIED MOISTURE CONTENT.
- SUBMITTALS:** A. CONFORM TO DESIGN CRITERIA SHOWN ON DRAWINGS. PROVIDE SHOP DRAWINGS OF EACH COMPONENT SHOWING LENGTH, SHAPE AND CONFIGURATION, LOADING INFORMATION, DESIGN CRITERIA, DESIGN FORCES FOR EACH MEMBER IN THE CASE OF TRUSSES, MATERIALS USED AND THEIR RESPECTIVE GRADES. ALSO SHOW CONNECTION AND INSTALLATION DETAILS INCLUDING ANY SPECIAL BRIDGING OR ERECTION REQUIREMENTS TO AVOID IMPROPER LOADING OR PERFORMANCE. INCLUDE REQUIREMENTS STATED ABOVE UNDER QUALITY ASSURANCE.
- EXECUTION:** A. INSTALL IN STRICT CONFORMANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS.

#### STRUCTURAL EARTHWORK NOTES

THE BUILDING FOUNDATIONS HAVE BEEN BASED UPON THE RECOMMENDATIONS OF THE REPORT BY VINEYARD & ASSOCIATES, INC., "BARELAS AREA CHILD CARE FACILITY", ALBUQUERQUE, NM, PROJECT #96-1-97, DATED APRIL 17, 1996.

- THE GEOTECHNICAL ENGINEER SHALL ACT AS THE OWNER'S REPRESENTATIVE AND SHALL MAKE OBSERVATIONS AND TESTS AS CONSIDERED NECESSARY FOR QUALITY CONTROL. WHERE CONC. SLABS ARE TO BE SUPPORTED ON ENGINEERED FILL, CONTINUOUS OBSERVATIONS AND TESTS OF GRADING OPERATIONS SHALL BE MADE BY THE GEOTECHNICAL ENGINEER. ALL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH PROCEDURES SET FORTH IN THE CURRENT BOOK OF STANDARDS OF THE AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM). THE CONTRACTOR SHALL PAY FOR ALL SUCH TESTING AND OBSERVATIONS.

SEE CITY OF ALBUQUERQUE GENERAL CONDITIONS SECTION 13

- ALL FOOTINGS AND FLOOR SLAB AREAS SHALL BEAR ON COMPACTED STRUCTURAL SOILS. FOOTINGS SHALL BEAR ON A MINIMUM OF 2'-0" OF ENGINEERED FILL. ENGINEERED FILL SHALL EXTEND A MINIMUM OF 1'-0" Laterally BEYOND ALL FOOTING EDGES.
- ALL EXISTING FILL, VEGETATION, DEBRIS, AND DISTURBED NATURAL SOILS IN AREAS FOR SUPPORT OF FOOTINGS, FLOOR SLABS OR PAVEMENTS SHALL BE EXCAVATED TO EXPOSE UNDISTURBED NATURAL SOILS. ALL NON-ACCEPTABLE MATERIAL SHALL BE DISPOSED OF OFF SITE.
- ALL BACKFILL MATERIAL SHALL BE NON-EXPANSIVE, FREE OF VEGETATION AND CONTAIN NO ROCKS LARGER THAN 6 INCHES. GRADATION OF THE BACKFILL MATERIAL, AS DETERMINED IN ACCORDANCE WITH ASTM D-422, SHALL BE AS FOLLOWS:

#### GRADATION OF BACKFILL MATERIAL

SIEVE SIZE	PERCENT PASSING
1 INCH	100
NO. 4	70-100
NO. 200	5-40

THE PLASTICITY INDEX SHALL BE TWENTY OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM D-4318.

- FILL OR BACKFILL, CONSISTING OF SOIL APPROVED BY THE GEOTECHNICAL ENGINEER, SHALL BE PLACED IN CONTROLLED COMPACTED LAYERS WITH APPROVED COMPACTION EQUIPMENT. THICKNESS OF COMPACTED LIFTS SHALL NOT EXCEED 8 INCHES. ALL COMPACTION SHALL BE TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D-1557 TEST METHOD.
- TESTS FOR DEGREE OF COMPACTION SHALL BE DETERMINED BY THE ASTM D-1556 METHOD OR ASTM D-2922. OBSERVATION AND FIELD TESTS SHALL BE CARRIED ON DURING FILL AND BACKFILL PLACEMENT BY THE GEOTECHNICAL ENGINEER TO ASSIST THE CONTRACTOR IN OBTAINING THE REQUIRED DEGREE OF COMPACTION.
- WHEREVER, IN THE OPINION OF THE GEOTECHNICAL ENGINEER, AN UNSTABLE CONDITION IS BEING CREATED, EITHER BY CUTTING OR FILLING, THE WORK SHALL NOT PROCEED IN THAT AREA UNTIL AN INVESTIGATION HAS BEEN MADE AND THE GRADING PLAN REVISED IF FOUND NECESSARY.
- PRECAUTIONS SHALL BE TAKEN DURING AND AFTER CONSTRUCTION TO MINIMIZE SATURATION OF THE FOUNDATION SOILS. POSITIVE DRAINAGE SHALL BE ESTABLISHED AWAY FROM THE EXTERIOR WALLS OF THE STRUCTURE. ALL UTILITY TRENCHES LEADING INTO THE BUILDING SHALL BE BACKFILLED WITH COMPACTED, ENGINEERED FILL. SPECIAL CARE SHALL BE TAKEN DURING INSTALLATION OF SUBFLOOR SEWER AND WATERLINES TO REDUCE THE POSSIBILITY OF FUTURE SUBSURFACE SATURATION.

#### RECORD DRAWINGS:

revisions drawn by: *[Signature]* date: 2/14/97

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT, NOR MANNER OF CONSTRUCTION. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE RECORD DRAWINGS.

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
City Project No. 5183.91	Zone Map No. K-13 Z	Sheet 50	Of 25	

**Red Mountain Engineers, Inc.**  
Engineers, Surveyors, Planners  
4600-C MONTGOMERY BLVD. N.E., SUITE 101  
ALBUQUERQUE, NEW MEXICO 87109  
PHONE: (505) 889-3004  
PROJECT: CHILD CARE CENTER PROJECT NO. 96065.301



**SIEGEL DESIGN**

2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

**CHILD CARE CENTER**

FOR: CITY OF ALBUQUERQUE  
DEPARTMENT OF FAMILY AND COMMUNITY SERVICES  
ALBUQUERQUE, NEW MEXICO

#### PROJECT NO.

ARCH: 9519

#### DATE REV.

21 AUG. 96

TYPICAL DETAILS  
& GENERAL NOTES

SO

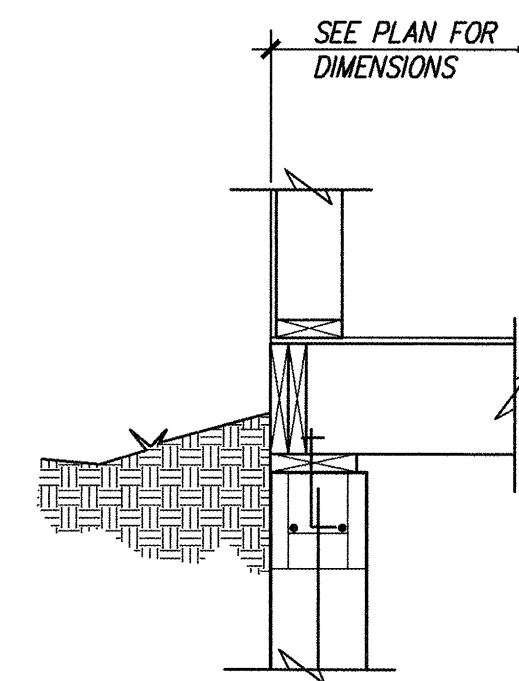
OF 25



**RECORD DRAWINGS:**

revisions drawn by: Ming date: July 1997


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NOTE:  
DIMENSIONS SHOWN MATCH THOSE OF THE  
ARCHITECT AND ARE TO OUTSIDE FACE OF  
OSB SHEATHING.

TYPICAL DIMENSION DETAIL  
NOT TO SCALE


Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
City Project No. 5183.91	Zone Map No. K-13Z	Sheet 51	Of 25	



**Red Mountain  
Engineers,  
Inc.**

Engineers • Surveyors • Planners

4600-C MONTGOMERY BLVD. N.E., SUITE 101  
ALBUQUERQUE, NEW MEXICO 87109  
PHONE: (505) 889-3004



PROJECT: CHILD CARE CENTER

PROJECT NO. 96065.301

**SIEGEL DESIGN**  
2726 CANDELARIA N.W.

505 344 6746 344 2097

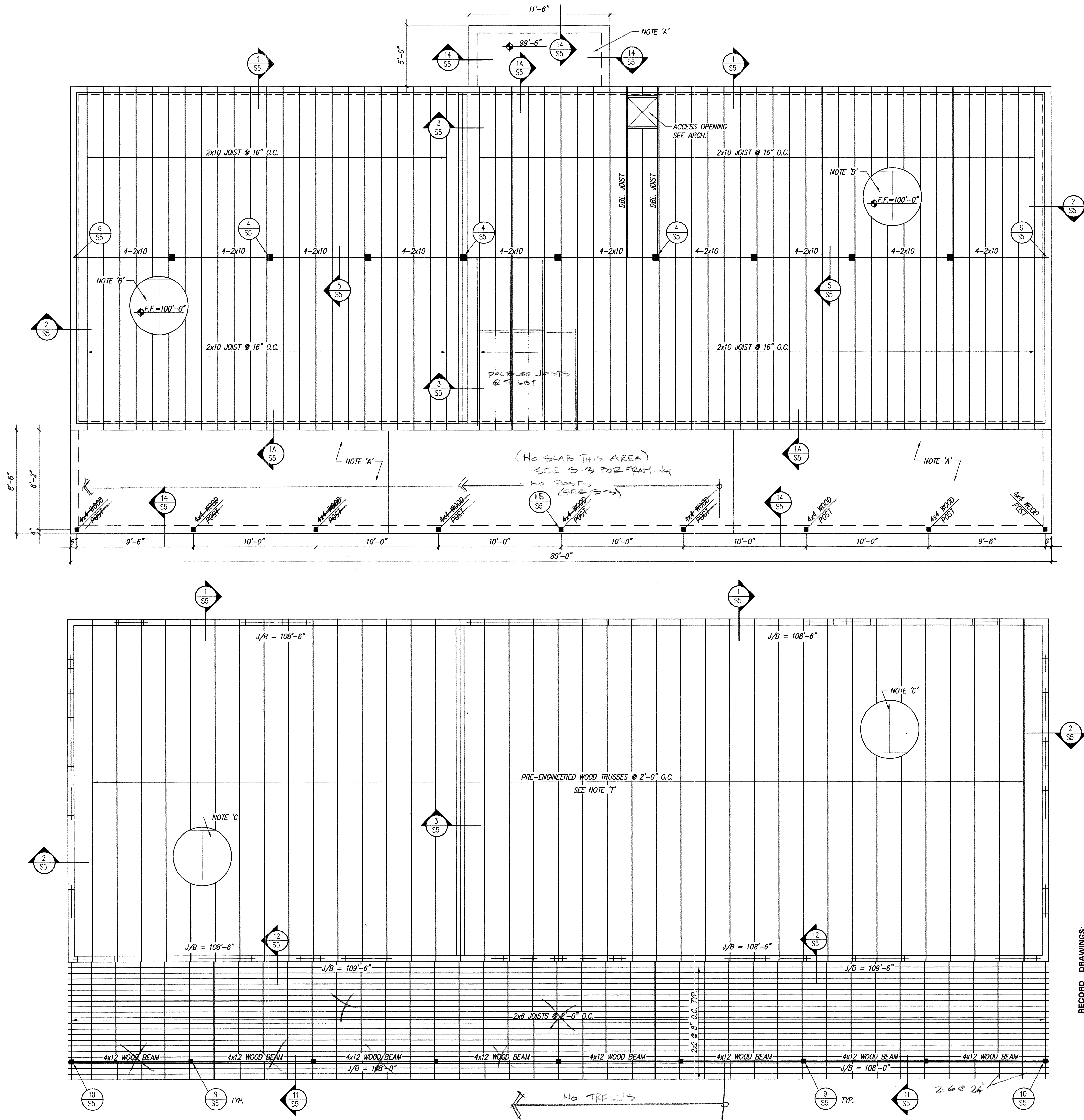
**BARELAS AREA**  
**CHILD CARE CENTER**  
FOR: CITY OF ALBUQUERQUE  
DEPARTMENT OF FAMILY AND COMMUNITY SERVICES  
ALBUQUERQUE, NEW MEXICO

PROJECT NO.  
ARCH: 9519

DATE REV.  
21 AUG. '96

### FOUNDATION PLAN

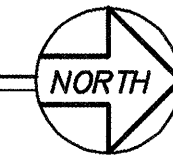
OF 25



FLOOR FRAMING PLAN (BASE BID)

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

F.F. = 100'-0"



NOTES

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

F.F. =

M.S.L. = 100'-0"

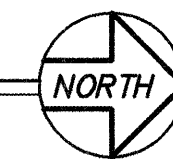
- NOTE 'A' - 4" CONCRETE SLAB ON GRADE W/6x6-1.4x1.4 W.W.F. OVER 2'-0" OF COMPACTED STRUCTURAL FILL. SEE STRUCTURAL EARTHWORKS NOTES ON SHEET S0.
- NOTE 'B' - 3/4"-40/24 T&G OSB SHEATHING. SEE STRUCTURAL NOTES ON SHEET S0 FOR FASTENING REQUIREMENTS.
- NOTE 'C' - 1/8"-24/0 OSB SHEATHING. SEE STRUCTURAL NOTES ON SHEET S0 FOR FASTENING REQUIREMENTS.
- NOTE 'T' - PRE-ENGINEERED, PRE-MANUFACTURED WOOD TRUSSES @ 24" O.C. PRE-FABRICATED, PRE-ENGINEERED TRUSSES SHALL BE DESIGNED FOR LOADINGS INDICATED. FABRICATOR SHALL PROVIDE DRAWINGS SHOWING LAYOUT, CONFIGURATION AND CALCULATIONS FOR EACH TYPE OF TRUSS. CALCULATIONS AND DRAWINGS SHALL BE SEALED BY A REGISTERED ENGINEER FOR THE STATE IN WHICH THE PROJECT IS BUILT.

INDICATES 8"x8" PRESSURE TREATED WOOD COLUMN BELOW UNLESS OTHERWISE NOTED.

INDICATES WOOD LINTEL UNLESS OTHERWISE NOTED. SEE SHEET S0 FOR TYPICAL DETAIL.

ROOF FRAMING PLAN (BASE BID)

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



RECORD DRAWINGS:  
revisions drawn by: *OK* date: 6/14/97  
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT, NOR THE SEQUENCE OF CONSTRUCTION. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR CORRECTIONS WHICH HAVE BEEN INCORPORATED INTO THESE RECORD DRAWINGS.

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
City Project No. 5183.91	Zone Map No. K-13 Z	Sheet S2	Of 25	

Red Mountain Engineers, Inc.  
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PHONE: (505) 889-3004  
PROJECT: CHILD CARE CENTER PROJECT NO. 96065.301



BARELAS AREA  
**CHILD CARE CENTER**  
FOR: CITY OF ALBUQUERQUE  
DEPARTMENT OF FAMILY AND COMMUNITY SERVICES  
ALBUQUERQUE, NEW MEXICO

PROJECT NO.

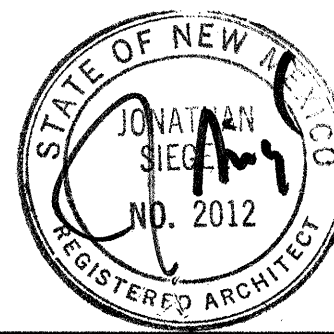
Arch: 9519

DATE REV.

21 AUG. '96

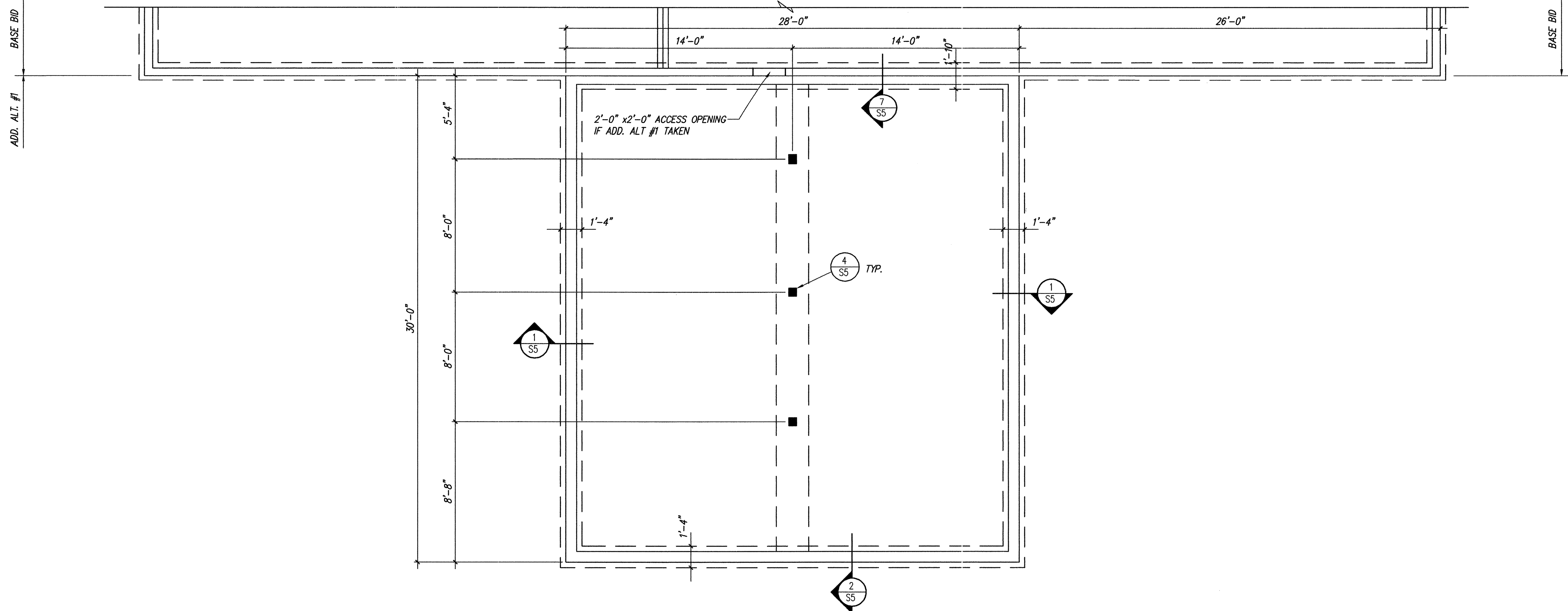
FLOOR FRAMING PLAN  
AND  
ROOF FRAMING PLAN

S2  
OF 25



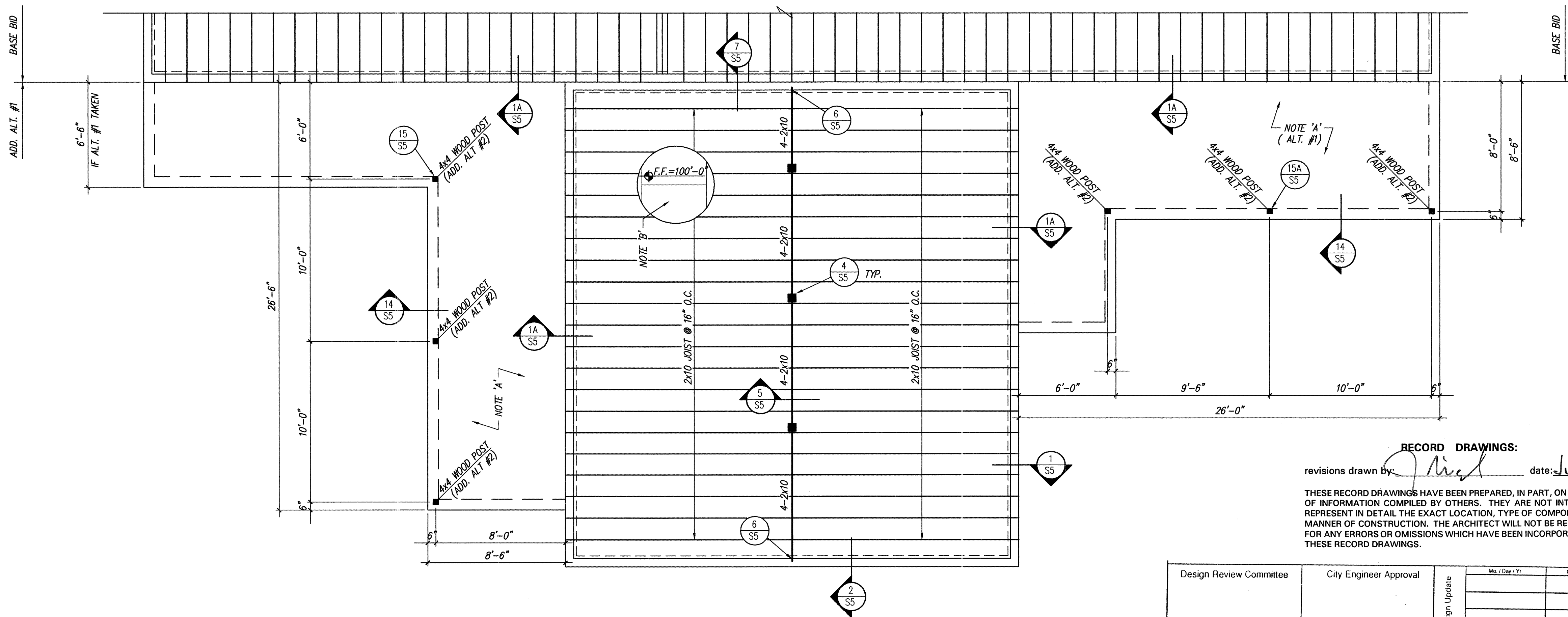
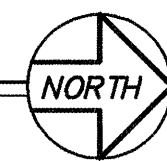
**SIEGEL DESIGN**  
2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

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CONSERVATORY FOUNDATION PLAN (ADD. ALT. #1)

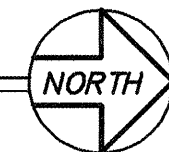
SCALE: 1/4" = 1'-0"



CONSERVATORY FLOOR FRAMING PLAN (ADD. ALT. #1, #2)

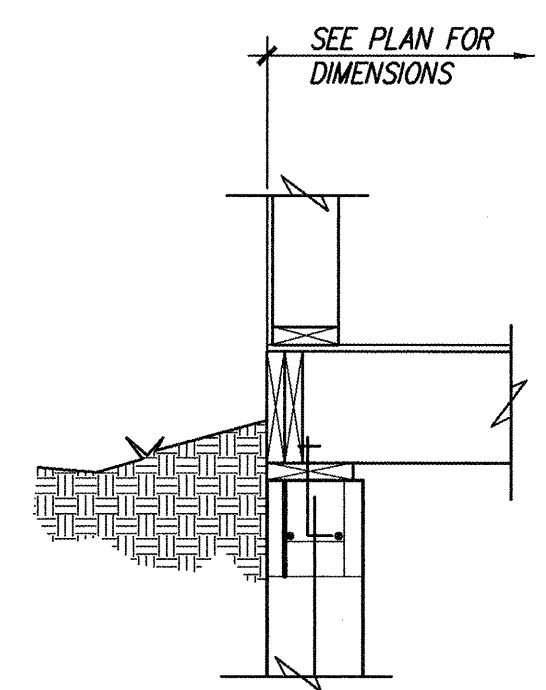
SCALE: 1/4" = 1'-0"

F.F. = 100'-0"



## NOTES

- NOTE 'A' - 4" CONCRETE SLAB ON GRADE W/6x6-1.4x1.4 W.W.F. OVER COMPACTED STRUCTURAL FILL. SEE STRUCTURAL EARTHWORKS NOTES ON SHEET S0.
- NOTE 'B' - 3/4"-40/24 T&G OSB SHEATHING. SEE STRUCTURAL NOTES ON SHEET S0 FOR FASTENING REQUIREMENTS.
- INDICATES 8x8 PRESSURE TREATED WOOD COLUMN UNLESS OTHERWISE NOTED.



TYPICAL DIMENSION DETAIL  
NOT TO SCALE

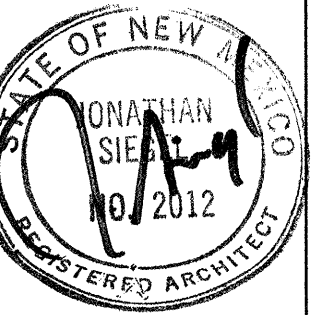
RECORD DRAWINGS:  
revisions drawn by: *[Signature]* date: July 1, 97

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT, NOR MANNER OF CONSTRUCTION. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THESE RECORD DRAWINGS.

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
City Project No. 5183.91	Zone Map No. K-132	Sheet 53	Of 25	

**Red Mountain Engineers, Inc.**  
Engineers, Surveyors, Planners  
4600-C MONTGOMERY BLVD. N.E., SUITE 101  
ALBUQUERQUE, NEW MEXICO 87109  
PHONE: (505) 889-3004  
PROJECT: CHILD CARE CENTER

JAMES E. KRIEBEL  
NEW MEXICO  
8328  
PROFESSIONAL ENGINEER  
5-3-96



**SIEGEL DESIGN**

2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

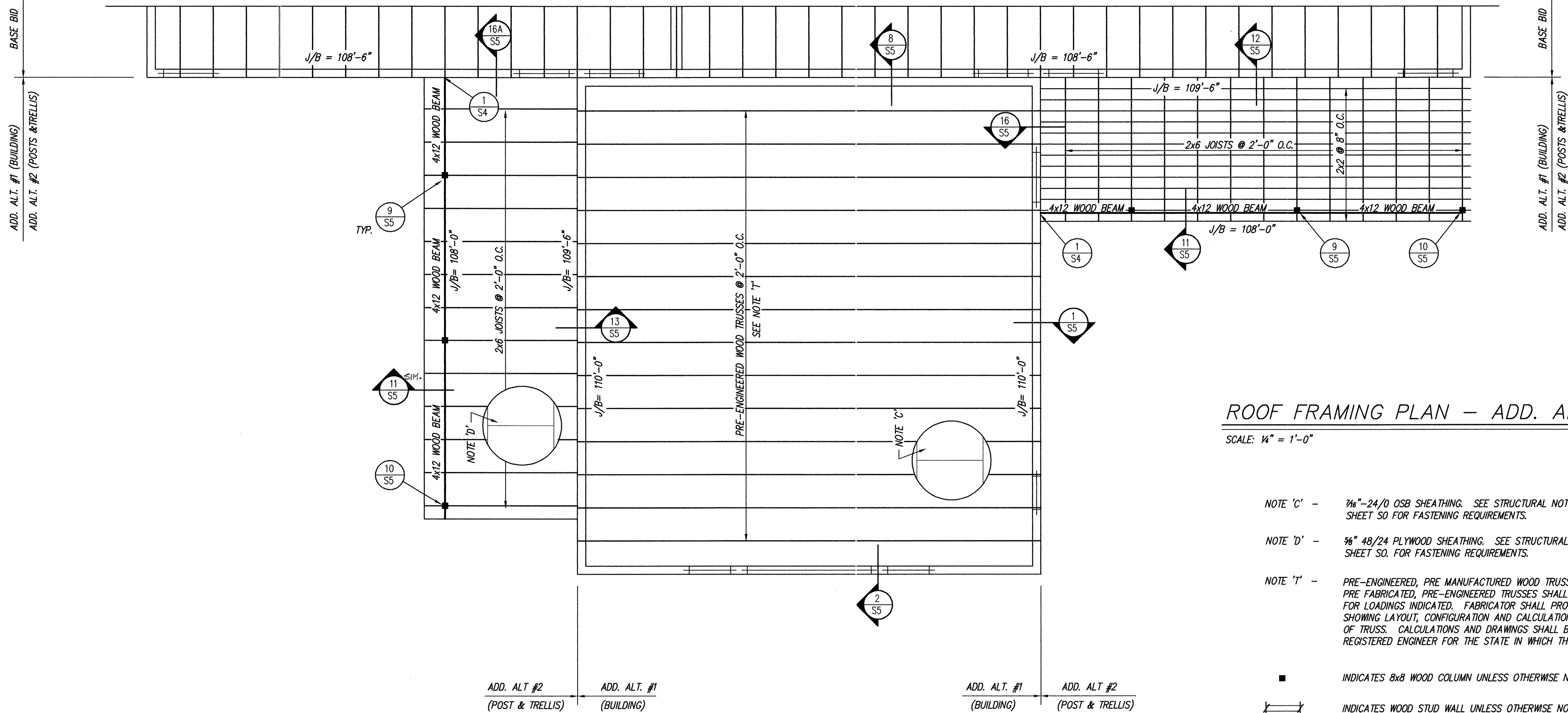
BARELAS AREA  
**CHILD CARE CENTER**  
FOR: CITY OF ALBUQUERQUE  
DEPARTMENT OF FAMILY AND COMMUNITY SERVICES  
ALBUQUERQUE, NEW MEXICO

PROJECT NO.  
ARCH: 9519

DATE REV.  
21 AUG. '96

ADD. ALT. #2

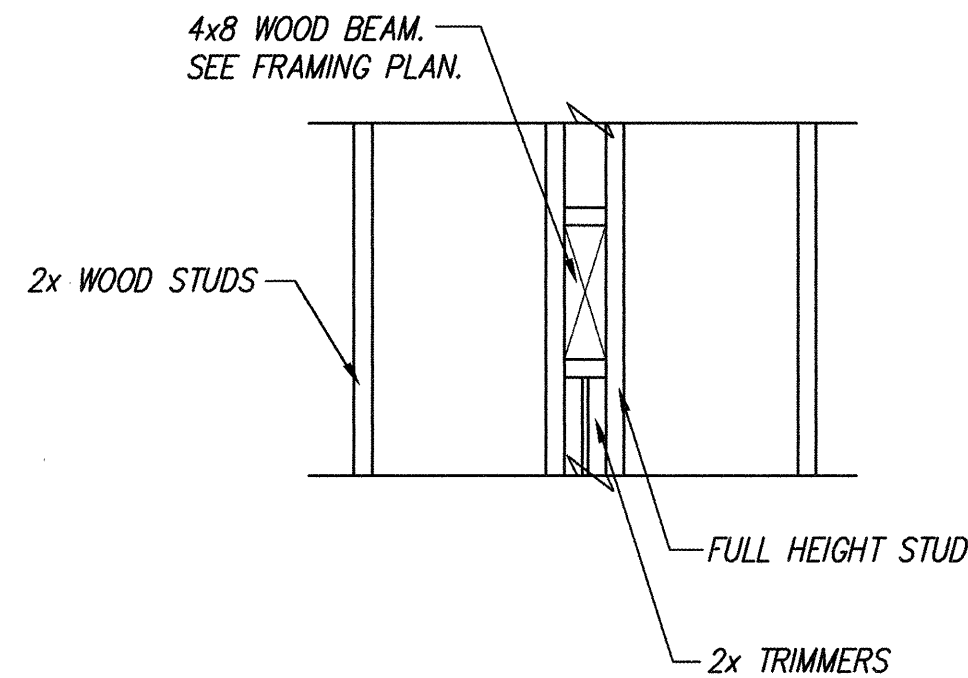
S3  
OF 25



ROOF FRAMING PLAN - ADD. ALT. #1, #2  
SCALE: 1/4" = 1'-0"

- NOTE 'C' - 3/4"-24/0 OSB SHEATHING. SEE STRUCTURAL NOTES ON SHEET S0 FOR FASTENING REQUIREMENTS.
- NOTE 'D' - 3/4" 48/24 PLYWOOD SHEATHING. SEE STRUCTURAL NOTES ON SHEET S0 FOR FASTENING REQUIREMENTS.
- NOTE 'T' - PRE-ENGINEERED, PRE MANUFACTURED WOOD TRUSSES @ 24" O.C. PRE FABRICATED, PRE-ENGINEERED TRUSSES SHALL BE DESIGNED FOR LOADINGS INDICATED. FABRICATOR SHALL PROVIDE DRAWINGS SHOWING LAYOUT, CONFIGURATION AND CALCULATIONS FOR EACH TYPE OF TRUSS. CALCULATIONS AND DRAWINGS SHALL BE SEALED BY A REGISTERED ENGINEER FOR THE STATE IN WHICH THE PROJECT IS BUILT.

- INDICATES 8x8 WOOD COLUMN UNLESS OTHERWISE NOTED.
- ▬▬▬ INDICATES WOOD STUD WALL UNLESS OTHERWISE NOTED.



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

RECORD DRAWINGS:  
revisions drawn by: *[Signature]* date: *6/4/97*

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Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
City Project No. 5183.91	Zone Map No. K-132	Sheet 54	Of 25	

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JAMES E. KREIG  
NEW MEXICO  
8928  
REGISTERED PROFESSIONAL ENGINEER

JONATHAN SIEGEL  
NEW MEXICO  
2012  
REGISTERED ARCHITECT

**SIEGEL DESIGN**  
2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

BARELAS AREA  
**CHILD CARE CENTER**  
FOR: CITY OF ALBUQUERQUE  
DEPARTMENT OF FAMILY AND COMMUNITY SERVICES  
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21 AUG. '96

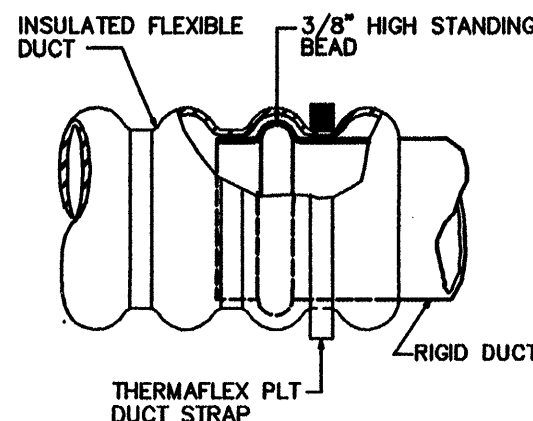
ADD. ALT. #2

**S4**  
OF 25



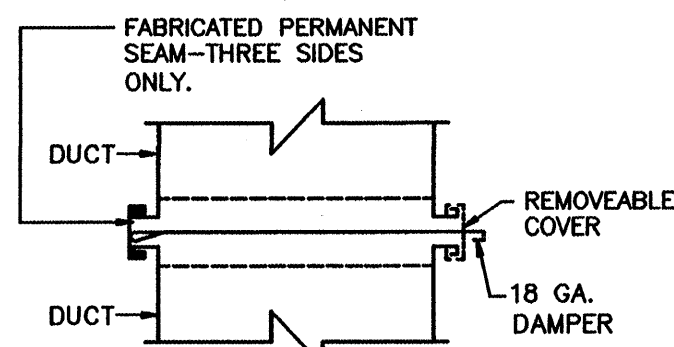
# GENERAL NOTES - HVAC

- VOLTAGE AND PHASE FOR MECHANICAL EQUIPMENT SHALL BE AS SHOWN ON THE ELECTRICAL DRAWINGS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE VOLTAGE AND PHASE OF ALL MECHANICAL EQUIPMENT WITH THE ELECTRICAL ENGINEER BEFORE ORDERING. SEE SCHEDULES.
- THE EXACT LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLES, DUCTWORK, AND ALL OTHER CEILING MOUNTED MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH THE CEILING CONTRACTOR AND THE ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXISTING CONDITIONS AT THE JOB SITE AND MAKE ALL MODIFICATIONS AND REPAIRS NECESSARY TO COMPLETE THE MECHANICAL WORK ON THIS JOB IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. IN THE EVENT THAT THE CONTRACTOR CANNOT DETERMINE WHAT SHALL BE DONE IN REGARD TO ANY SPECIFIC PROBLEM SHALL BE BROUGHT TO THE ATTENTION OF THE A/E.
- ANY CHANGE IN DUCT DIMENSIONS AND ANY CHANGE IN ROUTING DUE TO STRUCTURAL AND/OR EXISTING CONDITIONS DETERMINED AND RESOLVED BEFORE DUCT FABRICATION IS STARTED.
- ALL DUCT DIMENSIONS ARE FREE INSIDE DIMENSIONS.
- INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT AGAINST STRUCTURE, UNLESS OTHERWISE NOTED.
- ALL DUCT JOINTS, LONGITUDINAL AND TRANSVERSE, SHALL BE TAPED WITH HARDCAST # FT-20 ACTIVATOR/ADHESIVE IN CONJUNCTION WITH HARDCAST # DT-5300 GYPSUM IMPREGNATED TAPE.
- FLEXIBLE DUCTS SHALL BE THERMAFLEX M-KC AND THE LENGTH SHALL BE 8'-0" MAXIMUM.
- ALL ROOF PENETRATIONS AND EQUIPMENT SUPPORTS ON THE ROOF SHALL BE COORDINATED WITH THE ROOFING CONTRACTOR.



FLEXIBLE/RIGID DUCT  
CONNECTION DETAIL  
NOT TO SCALE

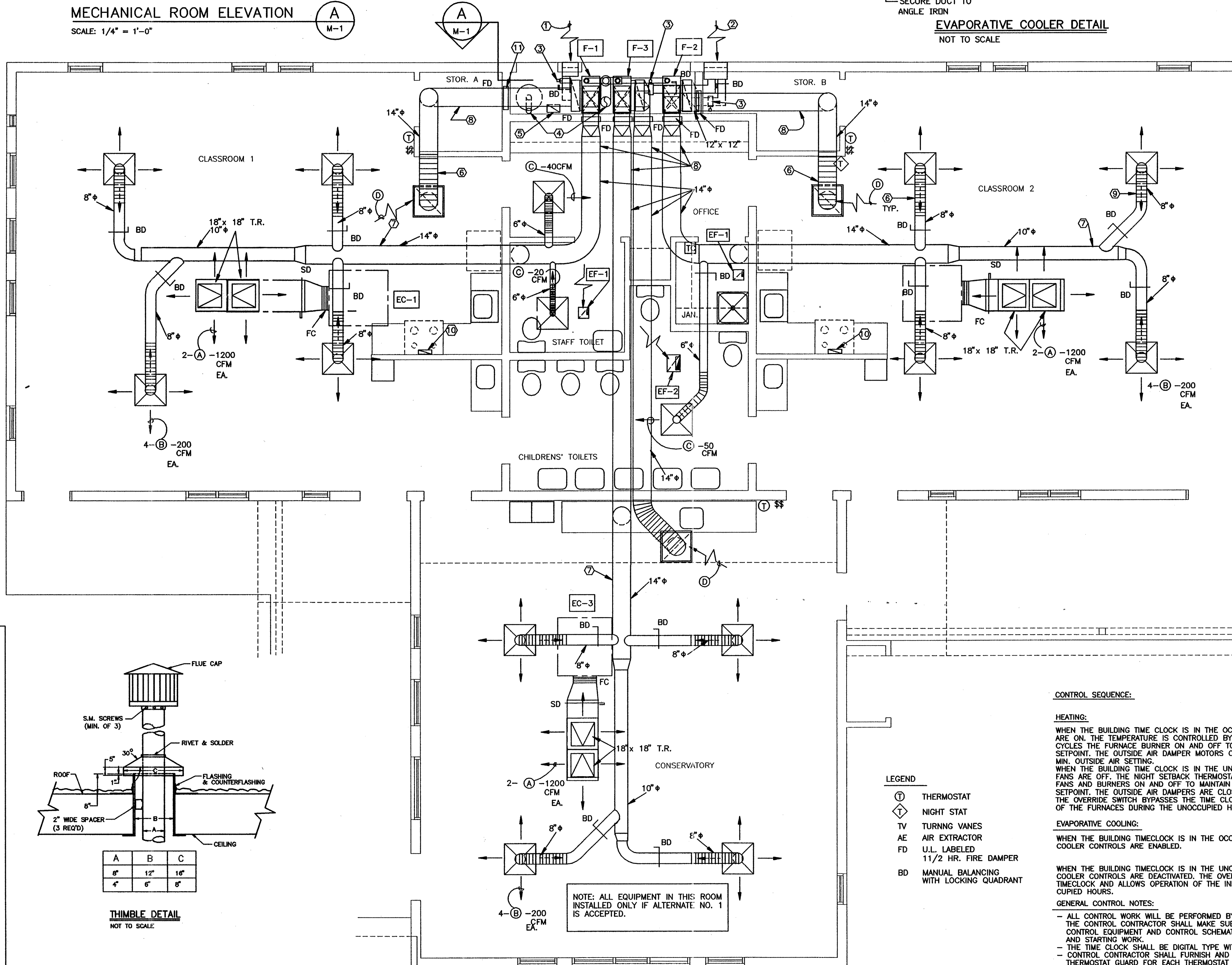
ENERGY CODE COMPLIANCE			
Model Energy Code, 1992 Edition			
<b>GENERAL INFORMATION:</b>			
Project: Barelas Daycare Center	Design Temperature: 18 °F (DB)		
Location: Albuquerque, New Mexico	Outside Winter: 31 °F (DB)		
Latitude: 35° N	Outside Summer: 85 °F (WB)		
Heating Degree Days: 4332	Inside Winter: 72 °F (DB)		
Gross Floor Area: 3080	Inside Summer: 78 °F (DB)		
Building Type: Single Story			
Non-residential			
<b>HEATING CRITERIA:</b>			
Building Exposure:	Required by Code	Actual Bldg. Design	
Overall Wall Transmission Value (Ua)	0.3	0.145	
Overall Roof Transmission Value (Uro)	0.03	0.03	
Overall Floor Transmission Value (Ufo)	0.08	0.08	
Overall Building Transmission Value (Uo)	0.17	0.07	
Req'd R-Value of Partition Insulation	5.0	5.0	
<b>COOLING CRITERIA:</b>			
Building Exposure:	Required by Code	Actual Bldg. Design	
Overall Wall Thermal Transfer Value (Utw)	NA	NA	
Overall Roof Thermal Transfer Value (Utr)	NA	NA	
<b>AIR INFILTRATION RATES:</b>			
Exterior Doors (CFM/LF Crack)	Required by Code	Actual Bldg. Design	
Exterior Windows (CFM/LF Crack)	11.0	11.0	
Exterior Wall (CFM/LF Crack)	15.4	15.4	
<b>BUILDING MECHANICAL SYSTEMS:</b>			
System Description	Required COP/EER/EFF	Actual COP/EER/EFF	
Cooling: Evaporative Cooling	NA	NA	
Heating: Gas hot air furnace	0.80	0.80	
<b>DUCTWORK INSULATION:</b>			
Duct System Location:	Required by Code	Actual Bldg. Design	
Interior	NA	8.4	
Exterior	NA	8.4	
<b>PIPING INSULATION:</b>			
NA	All insulation meets or exceeds the minimum requirements specified in Tables 503.11 and/or 504.7 of MEC - 92.		
<b>DOMESTIC WATER HEATERS:</b>			
NA	All equipment specified is designed in compliance with Section 504 of MEC - 92.		
System Description	NA		
Electric Water Heater:	NA		
Gas Water Heater:	NA		
Domestic (Service) HW Supply Temperature: 105 F			
<b>PLUMBING SYSTEMS:</b>			
NA	Conservation of hot water is specified in accordance with Section 506 of the MEC-92.		



SLIDE DAMPER DETAIL  
NOT TO SCALE

## MECHANICAL ROOM ELEVATION

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



## HVAC FLOOR PLAN

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

## RECORD DRAWINGS:

revisions drawn by: *[Signature]* date: *July 1, 97*

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Design Review Committee	City Engineer Approval	Mo. (Day) Yr.	Mo. (Day) Yr.
City Project No. <b>5183.91</b>	Zone Map No. <b>K-13Z</b>	Sheet <b>M1</b>	Of <b>25</b>

FURNACE SCHEDULE: ☐ FURNACE FAN MOTORS SHALL BE 115v/60hz/1ph, 6.8 A.

MARK	MODEL	SEA LEVEL INPUT MBH	REQUIRED OUTPUT MBH	CFM @ E.S.P. in.W.C.	FAN HP	A.F.U.E.	MIN. O.A.cfm
F-1	RGDG 05	50	29	880 0.5"	1/2	80%	300
F-2	RGDG 05	50	32	880 0.5"	1/2	80%	300
F-3	RGDG 05	50	31	880 0.5"	1/2	80%	300

MODEL NUMBERS ARE RHEEM. HOT SURFACE IGNITION WITH 100% SAFETY LOCKOUT. ALUMINIZED HEAT EXCHANGER. SIDE RETURN FILTER RACK. SOLID BOTTOM KIT. DIRECT DRIVE FAN WITH PSC MOTOR. AIR FILTER. ORIFICES SIZED FOR 5,000 ft. ELEV.  
\* NOTE: UNIT INSTALLED IF ALTERNATE NO. 1 ACCEPTED

EVAPORATIVE COOLER SCHEDULE: ☐ EVAP. COOLER FAN MOTORS AND PUMPS SHALL BE 115v/60hz/1ph, 9.3 A. total

MARK	MODEL	CFM @ HIGH SPEED	EXTERNAL STAT. PRESS.	FAN HP	OPERATING WEIGHT - lbs
EC-1	ASA 50	2,400	0.40" w.c.	1/2	235
EC-2	ASA 50	2,400	0.40" w.c.	1/2	235
EC-3	ASA 50	2,400	0.40" w.c.	1/2	235

\* NOTE: UNIT INSTALLED IF ALTERNATE NO. 1 ACCEPTED  
MODEL NUMBERS ARE CHAMPION. ALL UNITS HAVE TWO SPEED FAN MOTORS. ALL HAVE APPROPRIATE CHAMPION RECIRCULATOR PUMPS. ALL HAVE BLEED OFF CONNECTIONS. PIPE 1/4" BLEED OFF TUBING TO NEAREST PLUMBING VENT. ALL UNITS SHALL BE FURNISHED WITH SHEET METAL WINTERIZING PANELS WITH WEATHER GASKETS AND SASH LOCKS.  
UNITS SHALL BE CONTROLLED BY WALL SWITCHES. PERMANENTLY LABELLED. INSTALL UNITS DEAD LEVEL ON TREATED WOOD SKIDS, 4" HIGH MINIMUM. SKIDS SHALL SPAN TWO JOISTS MINIMUM. FURNISH MOTOR STARTERS AND DISCONNECTS.

## EXHAUST FAN SCHEDULE:

MARK	MODEL	CFM @ EXT.	SONES	FAN MOTOR		
				WATTS	AMPS	CHARACTERISTICS
EF-1	SP-117	172 0.25"	3.8	75	1.0	115v/60 hz/1 ph
EF-2	SP-6	74 0.25"	3.4	40	0.75	115v/60 hz/1 ph

MODEL NUMBERS ARE GREENHECK. FURNISH GREENHECK MODEL RDSP FLAT ROOF CAP. 7" DIAMETER DUCT FROM FAN OUTLET TO CAP. INTEGRAL BACKDRAFT DAMPER.

## AIR OUTLET SCHEDULE:

MARK	SIZE	MODEL
A	18" x 18"	AL1403L OBD FR 33
B	9" x 9" / 8"	AL1404 FR 33
C	6" x 6" / 6"	AL1401 FR 33
D	22" x 22"	ALEC-5 FR 33

MODEL NUMBERS ARE J & J REGISTER CO. ALL OUTLETS SHALL HAVE FACTORY APPLIED, BAKED ON, OFF- WHITE FACTORY FINISH, ALUMINUM CONSTRUCTION.

## NOTES:

1. METAL FORM MFL-24 12"x18" HIGH x 4" THICK GALVANIZED STEEL LOUVER. 45° WEATHER ROOF BLADE. BIRD SCREEN BEHIND. PAINT AS INSTRUCTED BY ARCHITECT.
2. METAL FORM MFL-24 18"x18" HIGH x 4" THICK GALVANIZED STEEL LOUVER. 45° WEATHER ROOF BLADE. BIRD SCREEN BEHIND. PAINT AS INSTRUCTED BY ARCHITECT.
3. MOTORIZED DAMPER - SEE CONTROL SCHEMATIC.
4. FLUE THROUGH ROOF INVENTILATED THIMBLE. SEE DETAIL.
5. 10"x6" COMBUSTION AIR OPENING IN FLOOR IN VENTILATED CRAWL SPACE. INSTALL BIRD SCREEN ON OPENING.
6. DUCT ABOVE CEILING BETWEEN JOISTS.
7. DUCT ABOVE CEILING THROUGH JOISTS.
8. DUCT ABOVE CEILING AT BOTTOM OF JOISTS.
9. THERMAFLEX MK-2 INSULATE FLEXIBLE DUCT, 5 ft. LONG MAX. SECURE TO DUCT AND OUTLET WITH THERMAFLEX STRAP FASTENERS. TYPICAL ALL RUNOUTS.
10. 10" x 3 1/4" DUCT THRU ROOF TO BROWN 644 ROOFCAP. STUB DUCT THROUGH ROOF AND CAP IN ATTIC FOR FUTURE CONNECTION TO RANGE HOOD.
11. AIR BALANCE MODEL 119 1 1/2 HR. RATED, U.L. LISTED AND LABELED FIRE DAMPER. INSTALL IN COMPLETE ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE ACCESS DOOR IN DUCT TO SERVICE DAMPER. TYPICAL.

## CONTROL SEQUENCE:

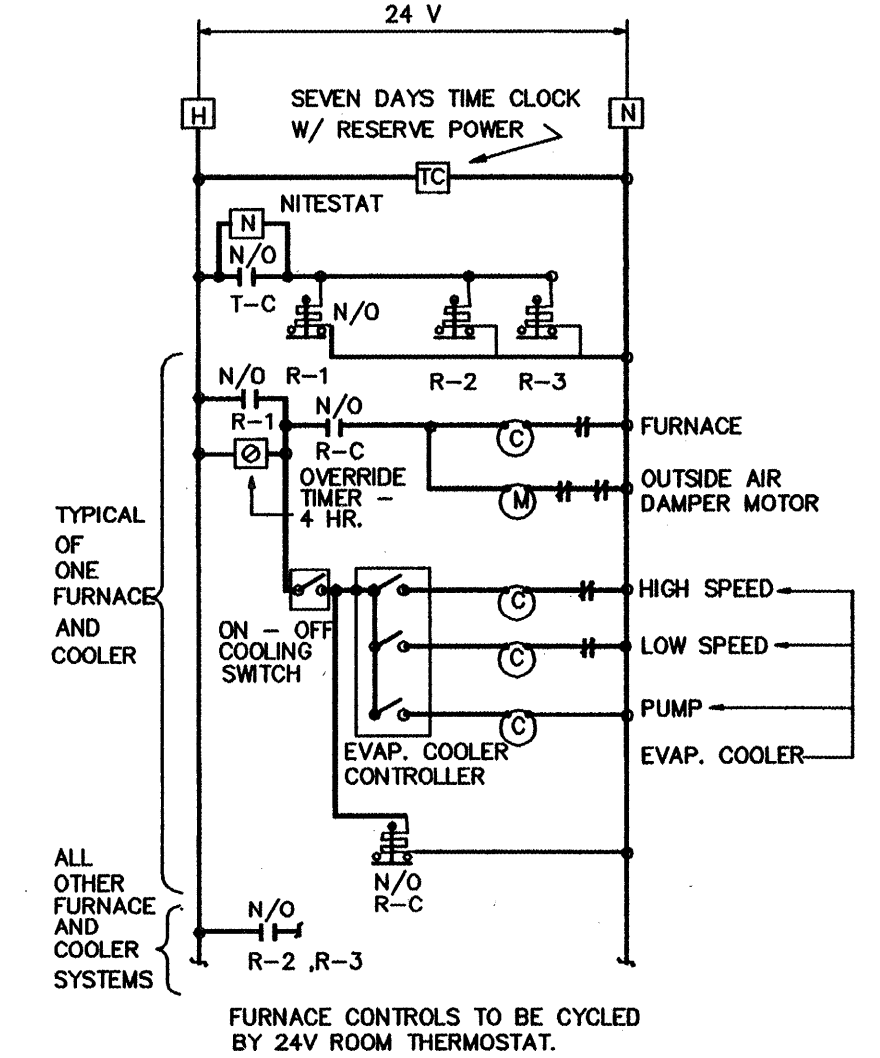
**HEATING:**  
WHEN THE BUILDING TIME CLOCK IS IN THE OCCUPIED POSITION, THE FURNACE FANS ARE ON. THE TEMPERATURE IS CONTROLLED BY THE SPACE THERMOSTAT WHICH CYCLES THE FURNACE BURNER ON AND OFF TO MAINTAIN THE THERMOSTAT SETPOINT. THE OUTSIDE AIR DAMPER MOTORS CYCLE THE DAMPERS TO THE MIN. OUTSIDE AIR SETTING.  
WHEN THE BUILDING TIME CLOCK IS IN THE UNOCCUPIED POSITION THE FURNACE FANS ARE OFF. THE NIGHT SETBACK THERMOSTAT CYCLES ALL THREE FURNACE FANS AND BURNERS ON AND OFF TO MAINTAIN THE NIGHT SETBACK THERMOSTAT SETPOINT. THE OUTSIDE AIR DAMPERS ARE CLOSED.  
THE OVERRIDE SWITCH BYPASSES THE TIME CLOCK TO ALLOW OCCUPIED OPERATION OF THE FURNACES DURING THE UNOCCUPIED HOURS.

**EVAPORATIVE COOLING:**  
WHEN THE BUILDING TIMECLOCK IS IN THE OCCUPIED POSITION, THE LOCAL EVAP. COOLER CONTROLS ARE ENABLED.

WHEN THE BUILDING TIMECLOCK IS IN THE UNOCCUPIED POSITION, THE LOCAL EVAP. COOLER CONTROLS ARE DEACTIVATED. THE OVERRIDE TIMER SWITCH BYPASSES THE TIMECLOCK AND ALLOWS OPERATION OF THE INDIVIDUAL COOLER DURING UNOCCUPIED HOURS.

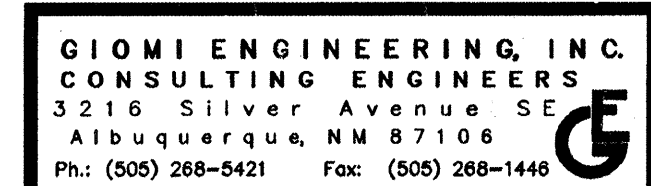
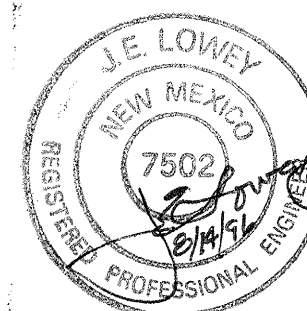
## GENERAL CONTROL NOTES:

- ALL CONTROL WORK SHALL BE PERFORMED BY A CONTROL CONTRACTOR. THE CONTROL CONTRACTOR SHALL MAKE SUBMITTALS FOR APPROVAL OF THE CONTROL EQUIPMENT AND CONTROL SCHEMATICS BEFORE ORDERING EQUIPMENT AND STARTING WORK.
- THE TIME CLOCK SHALL BE DIGITAL TYPE WITH BATTERY BACK-UP.
- CONTROL CONTRACTOR SHALL FURNISH AND INSTALL ONE BEKO 81G-54VL THERMOSTAT GUARD FOR EACH THERMOSTAT FURNISHED BY HIM OR BY THE EQUIPMENT MANUFACTURER OR BY THE MECHANICAL CONTRACTOR.
- EQUIPMENT WIRING: SUPPLY AND INSTALLATION OF ALL STARTERS, DISCONNECT SWITCHES, CONTACTORS, AND ALL NECESSARY WIRING FOR ALL MECHANICAL EQUIPMENT AND CONTROLS SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. THIS INCLUDES THE ASSEMBLING AND WIRING OF ALL EQUIPMENT NOT ASSEMBLED BY AND/OR WIRED BY THE MANUFACTURER. ALL WIRING SHALL BE RUN IN CONDUIT FURNISHED AND INSTALLED BY THE CONTROL CONTRACTOR.
- ALL CONTROL WORK SHALL BE PERFORMED BY A CONTROLS CONTRACTOR, BARBER COLMAN, HONEYWELL, LANDIS GYR POWERS, OR JOHNSON CONTROLS.

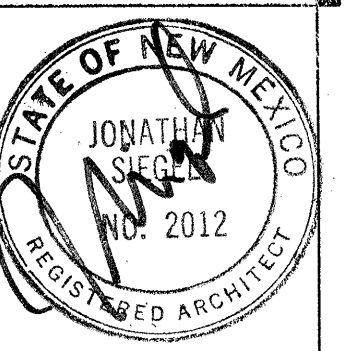


## ELECTRIC CONTROLS SCHEMATIC LADDER DIAGRAM

NOT TO SCALE



23-95



SIEGEL DESIGN

2726 CANDELARIA, N.W.  
ALBUQUERQUE, NEW MEXICO  
505 344 6746 344 2097

BARELAS AREA  
CHILD CARE CENTER

for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

PROJECT NO.  
9519

DATE REV.  
21 AUG. 96

MECHANICAL  
PLAN

M-1

OF 25

- NOTES:
- STATE PRIV-CONVERT NATURAL GAS WATER HEATER, 40 GALLON STORAGE, 40 MBH INPUT AT SEA LEVEL, 37 GPH RECOVERY CAPACITY AT S.L. ORIFICES SIZED FOR 5,000 FT. ELEV. A.S.M.E. T & P RELIEF VALVE, PIPE DISCHARGE FULL SIZE TO EXTERIOR OF BUILDING AND TERMINATE WITH A SMOOTH ELBOW TURNED DOWN AND OPEN AT 8" ABOVE FINISHED GRADE. 4" FLUE THROUGH ROOF IN VENTILATED THIMBLE TO BREIDERT TYPE 4L FLUE CAP.
  - NEW GAS METER, 180 CPH CAPACITY, 7" W.C. DISCHARGE PRESSURE.
  - YARD SERVICE GAS LINE SIZED BY PHM GAS.
  - GAS PIPE IN CRAWL SPACE.
  - RISE GAS PIPE THROUGH FLOOR TO APPLIANCE, CAULK AT FLOOR PENETRATION. PROVIDE SHUT OFF COCK AND U.L. LABELLED FLEXIBLE GAS CONNECTOR AT EACH APPLIANCE, TYPICAL.
  - PIPE ABOVE CEILING BELOW BUILDING INSULATION.
  - EXTEND NEW 1 1/2" WATER LINE TO 1" WATER METER AT IRON STREET AND CONNECT. METER FURNISHED AND INSTALLED BY OTHERS.
  - EXTEND NEW 4" SEWER TO EXISTING SEWER LINE AND CONNECT. SEE SHEET C-1 FOR CONTINUATION.
  - P-11 INSTALLED IN THIS LOCATION IF ALTERNATE NO. 1 IS NOT ACCEPTED.
  - P-11 INSTALLED IN THIS LOCATION IF ALTERNATE NO. 1 IS ACCEPTED.
  - BUILDING SHUT OFF VALVE IN VALVE BOX WITH CAST IRON COVER LABELLED "WATER".
  - DELETED.
  - INSTALLED ONLY IF ALTERNATE NO. 1 IS ACCEPTED.
  - INSTALL A FIRE SPRINKLER HEAD WITH A 1/2" ORIFICE, 165°F RATING, AND U.L. LABEL IN CEILING. INSTALL A 1" BALL VALVE IN 1" SUPPLY LINE UPSTREAM OF HEAD AND ACCESSIBLE THROUGH CEILING.
  - EVAPORATIVE COOLERS MAKE-UP AND DRAIN VALVES IN JANITOR CLOSET ABOVE SINK. VALVES SHALL BE PERMANENTLY LABELLED. PIPE DRAIN VALVE DISCHARGE TO P-4.
  - SLOPE PIPE TO DRAIN TO P-4.
  - PIPE THROUGH ROOF IN APPROVED PIPING PENETRATION COORDINATE WITH ROOFER.

GENERAL NOTES - PLUMBING

- IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXISTING CONDITIONS AT THE JOB SITE AND MAKE ALL MODIFICATIONS AND RENEWALS NECESSARY TO COMPLETE THE MECHANICAL WORK FOR THIS JOB IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. IN THE EVENT THAT THE CONTRACTOR CANNOT DETERMINE WHAT SHALL BE DONE IN REGARD TO ANY SPECIFIC PROBLEM, THIS PROBLEM SHALL BE BROUGHT TO THE ATTENTION OF THE A/E.
- THE LOCATION OF EXISTING UNDERGROUND & CONCEALED UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE EXCAVATING CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND & CONCEALED UTILITIES.
- ALL PIPING IS CONCEALED UNLESS OTHERWISE NOTED.
- ALL PIPING INSTALLED IN EXTERIOR WALLS, ABOVE CEILING OR IN CRAWL SPACE SHALL BE INSTALLED ON HEATED SIDE OF BUILDING INSULATION TO PREVENT FREEZING.
- ALL ROOF PENETRATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
- VOLTAGE AND PHASE FOR ALL MECHANICAL EQUIPMENT SHALL BE AS SHOWN ON THE ELECTRICAL DRAWINGS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL ENGINEER BEFORE ORDERING.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUF.	CAT.NO.	TRAP	VENT	CW	HW	REMARKS
P-1	WATER CLOSET (ACCESSIBLE)	AMSTAN	2216.000	---	2"	1/2"	---	16" RIM HEIGHT, OLSONITE #85 WHITE SEAT, ANGLE SUPPLY WITH LOOSE KEY STOP, BOLT CAPS. TRAP LEVER ON LEFT HAND SIDE OF TANK.
P-2	LAVATORY (ACCESSIBLE)	AMSTAN	0321.075	1 1/2"	1 1/2"	1/2"	1/2"	AMSTAN 2325-130 VANDAL RESISTANT, LEVER HANDLED FAUCET, 0.5 GPM FLOW CONTROL, GRID DRAIN, WALL HANGER, INSULATE. TRAP AND SUPPLIES WITH HANDI LAY-GUARD BY TRUBRO, ANGLE SUPPLIES WITH LOOSE KEY STOPS.
P-3	DELETED							
P-4	SERVICE SINK	FIAT	MSB-2424	3"	1 1/2"	1/2"	1/2"	FIAT 830-AA FAUCET, 832-AA HOSE AND HOSE BRACKET, 888-CC MOP HANGER, E-77-AA VINYL BUMPERGUARD, 833-AA SILICONE SEALANT.
P-5 NOTE 1	SINK	ELKAY	CORRADA 2517	1 1/2"	1 1/2"	1/2"	---	LK-2085-13-L FAUCET, LK-1141 BUBBLER, 15 3/4" x 14" x 6 1/2" DEEP BOWL, P-TRAP, ANGLE SUPPLIES WITH STOPS, OFFSET DRAIN FOR ACCESSIBILITY, LK-35 STRAINER, MOUNT FAUCET AT FRONT OF SINK, SINK IS 18 GA. STAINLESS STEEL.
P-6	WATER COOLER (ACCESSIBLE)	ELKAY	EBFATL-8	1 1/2"	1 1/2"	1/2"	---	8.0 GPH CAP. @ 80 F INLET TEMP. 4.8 FLA. 410 W. 1/5 HP MOTOR, LEAD FREE, ZURN FLOOR MOUNTED CARRIER, UNIT IS BI-LEVEL TYPE.
P-7	SINK (ACCESSIBLE)	ELKAY	LWR2522	1 1/2"	1 1/2"	1/2"	1/2"	LK4100 LEVER HANDLED FAUCET, LK35 STRAINER, P-TRAP, ANGLE SUPPLIES W/ STOPS, INSULATE TRAP AND SUPPLIES W/ INSULATION KIT BY TRUBRO.
P-8	WATER CLOSET	AMSTAN	2164.135	---	2"	1/2"	---	14 1/2" RIM HEIGHT, OLSONITE #87 WHITE SEAT, ANGLE SUPPLY WITH LOOSE KEY STOP, BOLT CAPS.
P-9 NOTE 2	WATER COOLER (ACCESSIBLE)	ELKAY	EBESA-4	1 1/2"	1 1/2"	1/2"	---	4.0 GPH CAP. @ 80 F INLET TEMP. 4.8 FLA. 410 W. 1/5 HP MOTOR, LEAD FREE, ZURN FLOOR MOUNTED CARRIER.
P-10	FLOOR DRAIN	ZURN	Z-415	2"	2"	---	---	DEEP SEAL TRAP.
P-11 NOTE 3	WALL HYDRANT	WOODFORD	65	---	---	3/4"	---	FREEZELESS, INTEGRAL VACUUM BREAKER, LOOSE KEY.

- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND SPACING OF ALL FIXTURES.
- NOTE 1: BUBBLER IS INCLUDED ONLY IF ALTERNATE NO. 1 IS ACCEPTED. (INSTALLED)
- NOTE 2: P-9 WILL BE INSTALLED ONLY IF ALTERNATE NO. 1 IS NOT ACCEPTED. (P-9 NOT INST.)
- NOTE 3: ONLY TWO WALL HYDRANTS WILL BE INSTALLED ON PROJECT. SEE PLAN FOR LOCATIONS. LOCATIONS DEPEND ON WHETHER ALTERNATE NO. 1 IS ACCEPTED.

RECORD DRAWINGS:

revisions drawn by: *J. Siegel* date: *July 1, 97*

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Design Review Committee	City Engineer Approval	Last Design Update	Mo / Day / Yr	Mo / Day / Yr
City Project No.	Zone Map No.	Sheet	Of	
5103.91	K-13Z	P1	25	

GIOMI ENGINEERING, INC.  
CONSULTING ENGINEERS  
3216 Silver Avenue SE  
Albuquerque, NM 87106  
Ph: (505) 268-5421 Fax: (505) 268-1446



PLUMBING FLOOR PLAN

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

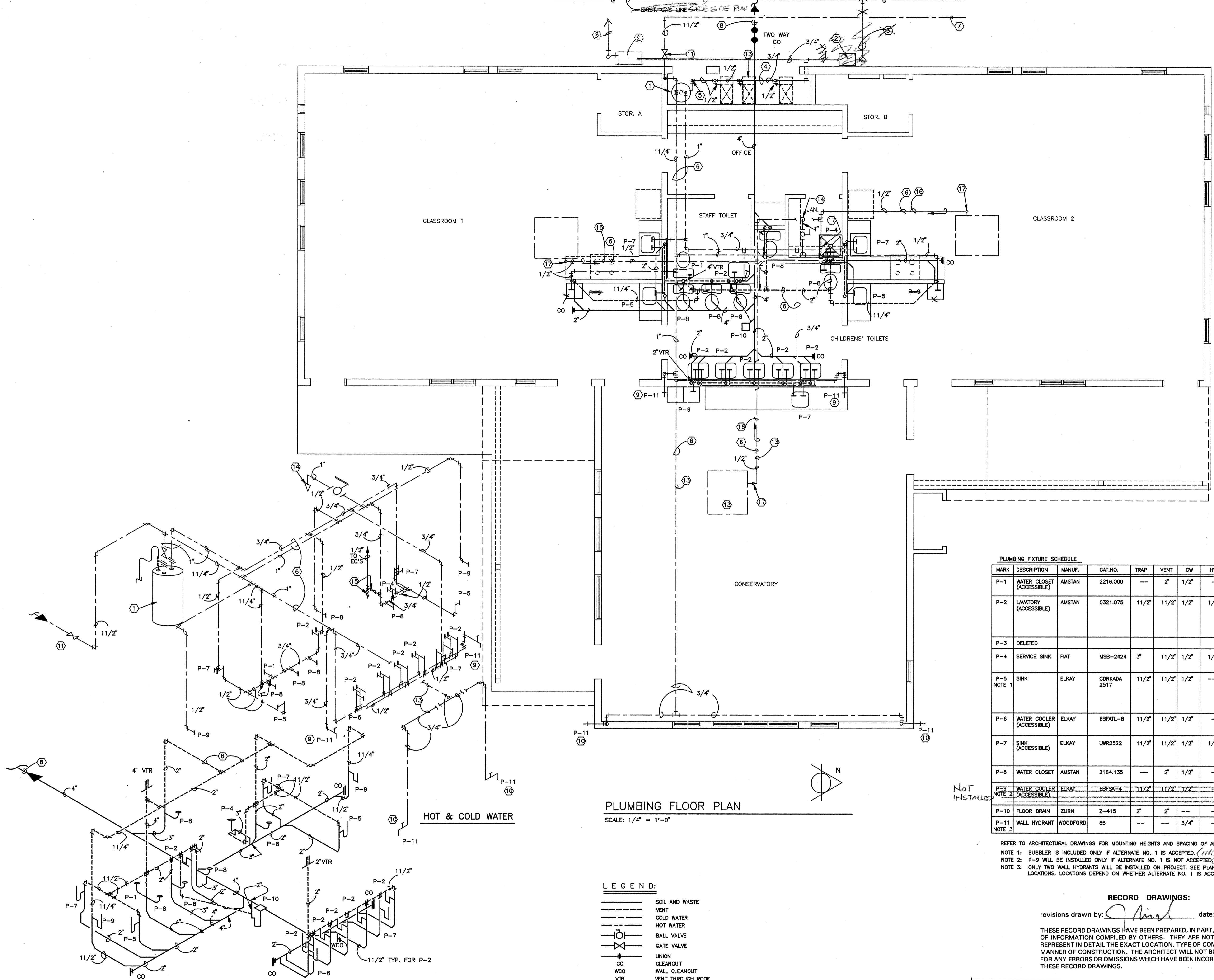
LEGEND:

- SOIL AND WASTE
- VENT
- COLD WATER
- HOT WATER
- BALL VALVE
- GATE VALVE
- UNION
- CO CLEANOUT
- WCO WALL CLEANOUT
- VTR VENT THROUGH ROOF
- THERMOSTAT
- G NATURAL GAS

SOIL, WASTE, & VENT

PLUMBING DIAGRAMS

NO SCALE





**SIEGEL DESIGN**  
2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

BARELAS AREA  
**CHILD CARE CENTER**  
for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

PROJECT NO.  
ARCH: 9519

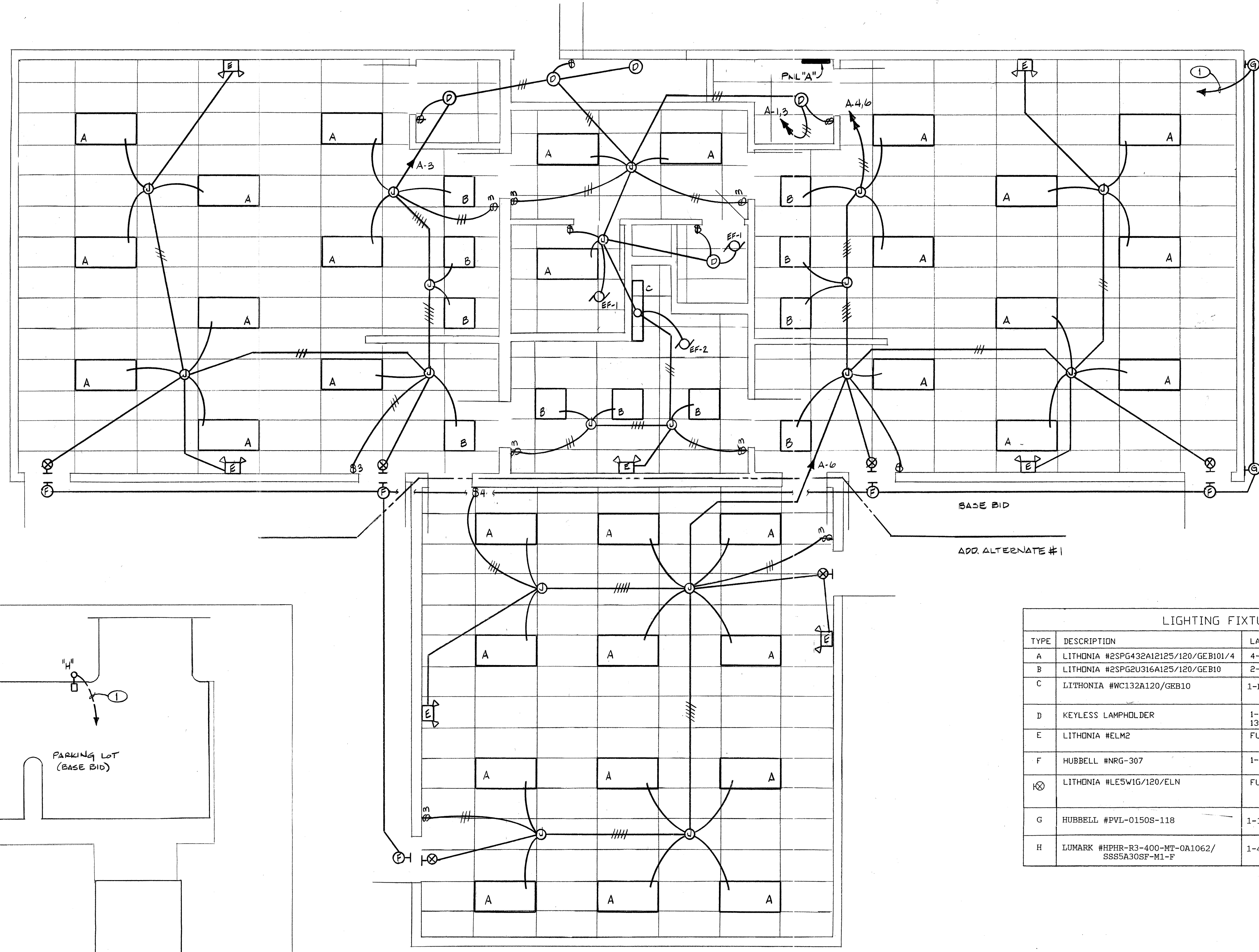
DATE REV.  
21 AUG 96

ELECTRICAL  
LIGHTING

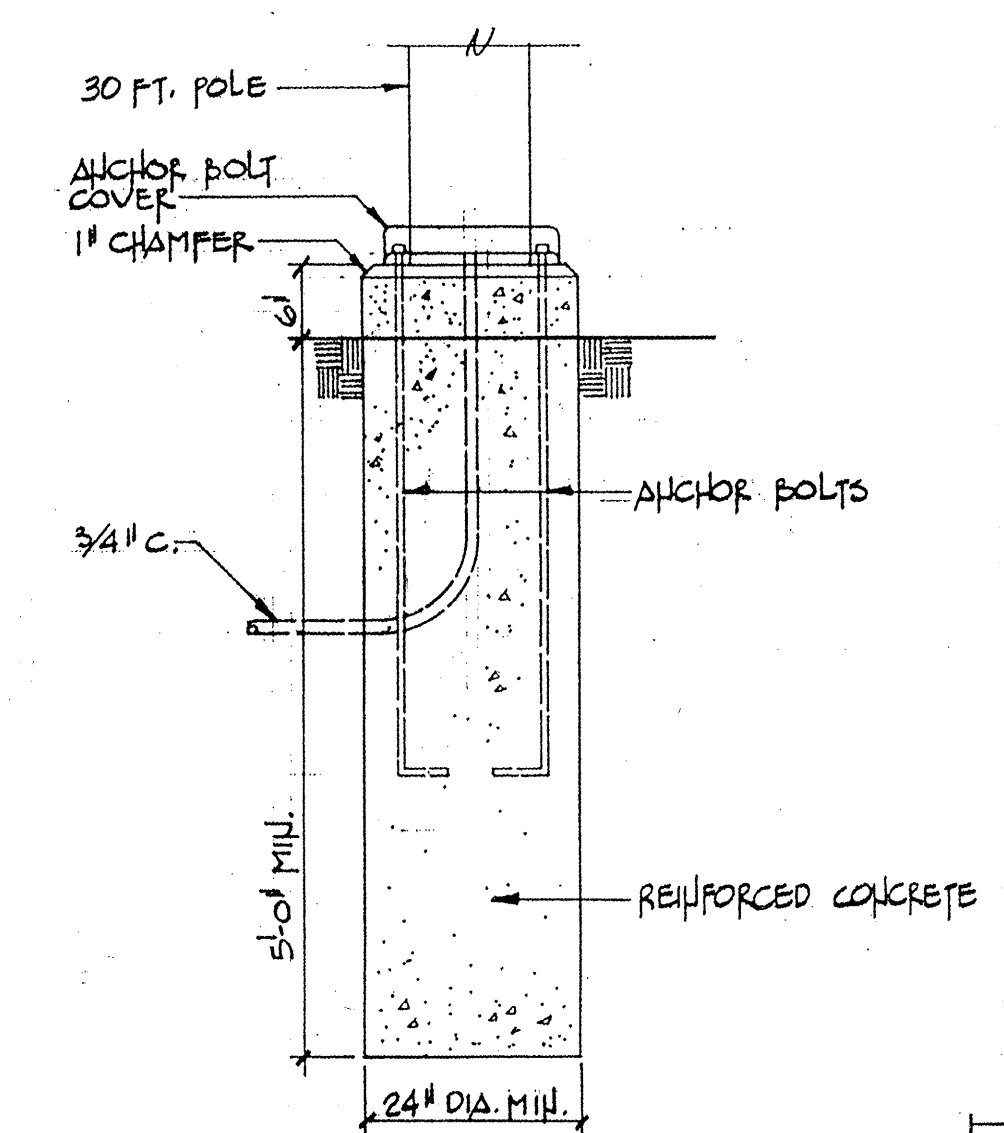
**E 1**  
OF 25

**GENERAL NOTES**  
A. CONDUIT: 1/2" MINIMUM SIZE, RGS, EMT, IMC, ENT OR PVC AS REQUIRED BY CODE.  
B. WIRE: #12 AWG MINIMUM SIZE, THWN INSULATION UNLESS OTHERWISE NOTED, COPPER CONDUCTORS.

**KEYED NOTES**  
① TO CIRCUIT A-2 THROUGH LIGHTING CONTACTOR MOUNTED ADJACENT TO PANEL "A".



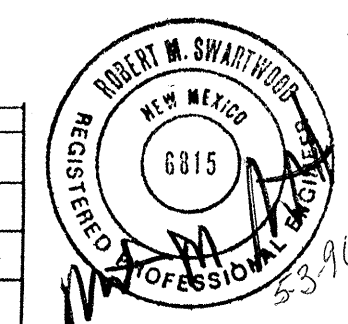
LIGHTING FIXTURE SCHEDULE				
TYPE	DESCRIPTION	LAMPS	MOUNTING	REMARKS
A	LITHONIA #2SPG432A12125/120/GB101/4	4-F32T8/TL841	RECESSED-GRID	
B	LITHONIA #2SPG2U316A125/120/GB10	2-FB31T8/TL841	RECESSED-GRID	
C	LITHONIA #WC132A120/GB10	1-F32T8/TL841	SURFACE-WALL 7'-0" A.F.F.	
D	KEYLESS LAMPHOLDER	1-75A-67A/99/EV 130 VOLT	SURFACE-CEILING	
E	LITHONIA #ELM2	FURNISHED W/ UNIT	SURFACE-WALL UP 7'-0" A.F.F. TO BOTTOM	
F	HUBBELL #NRG-307	1-70W HPS	SURFACE WALL UP 7'-0" A.F.F. TO CENTER	
H	LITHONIA #LE5W1G/120/ELN	FURNISHED W/ UNIT	SURFACE WALL UP ABOVE DOOR	
G	HUBBELL #PVI-0150S-118	1-150W HPS	SURFACE-WALL 6" BELOW TOP OF WALL	
H	LUMARK #HPR-R3-400-MT-0A1062/ SSS5A30SP-M1-F	1-400W HFS	30' POLE ON CONC BASE, SEE DETAIL	



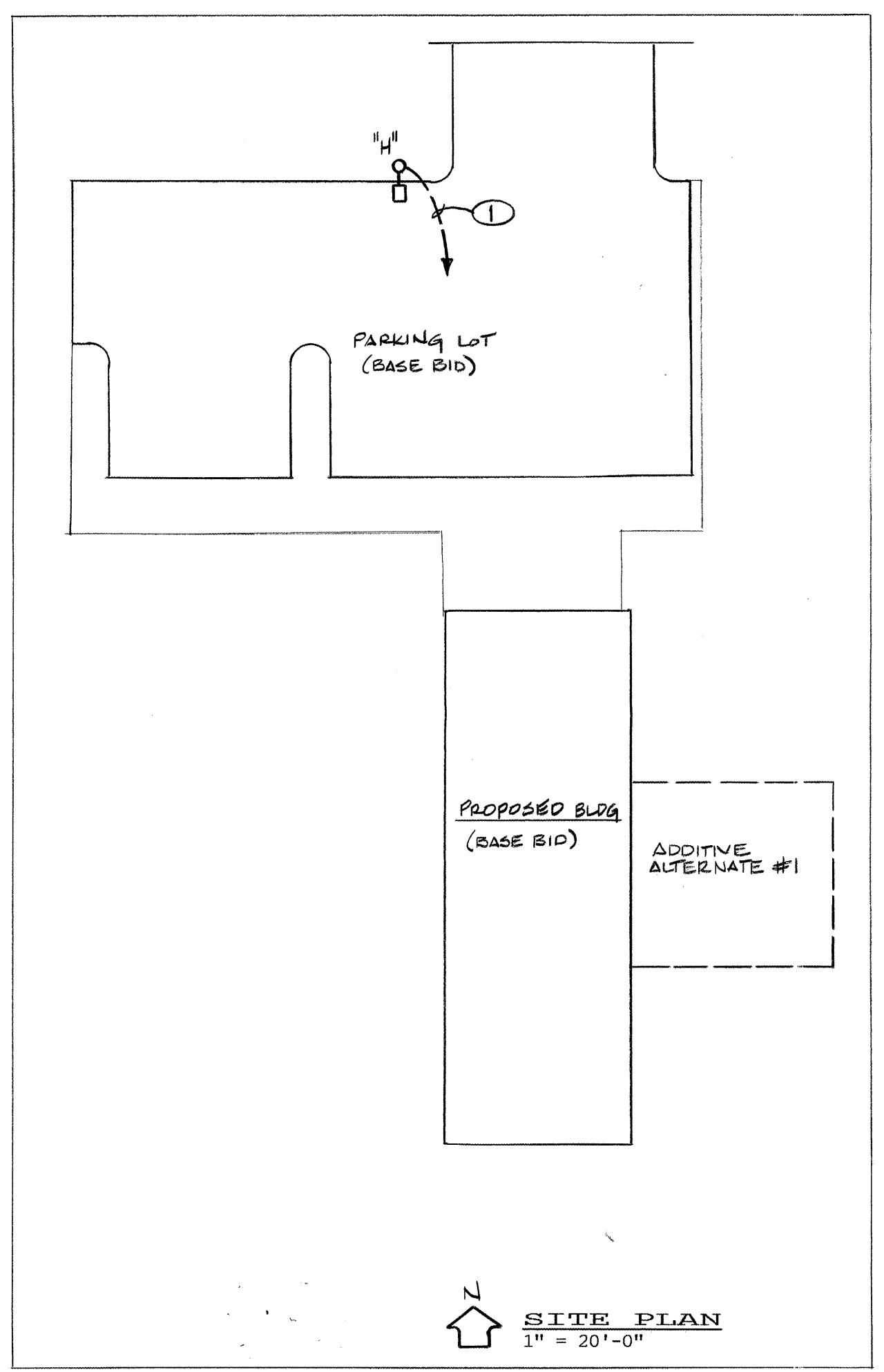
BASE FOR TYPE "H" FIXTURE  
1/4" = 1'-0"

**RECORD DRAWINGS:**  
revisions drawn by: [Signature] date: July 1, 97

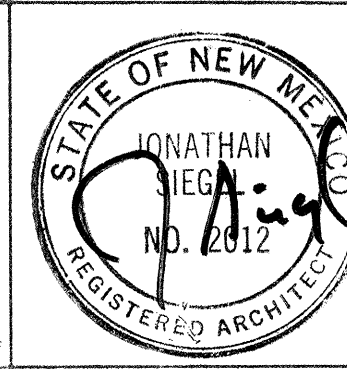
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Design Review Committee	City Engineer Approval	Mo. / Day / Yr.	
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**SITE PLAN**  
1" = 20'-0"



**SIEGEL DESIGN**  
2726 CANDELARIA N.W.  
ALBUQUERQUE NEW MEXICO 87107  
505 344 6746 344 2097

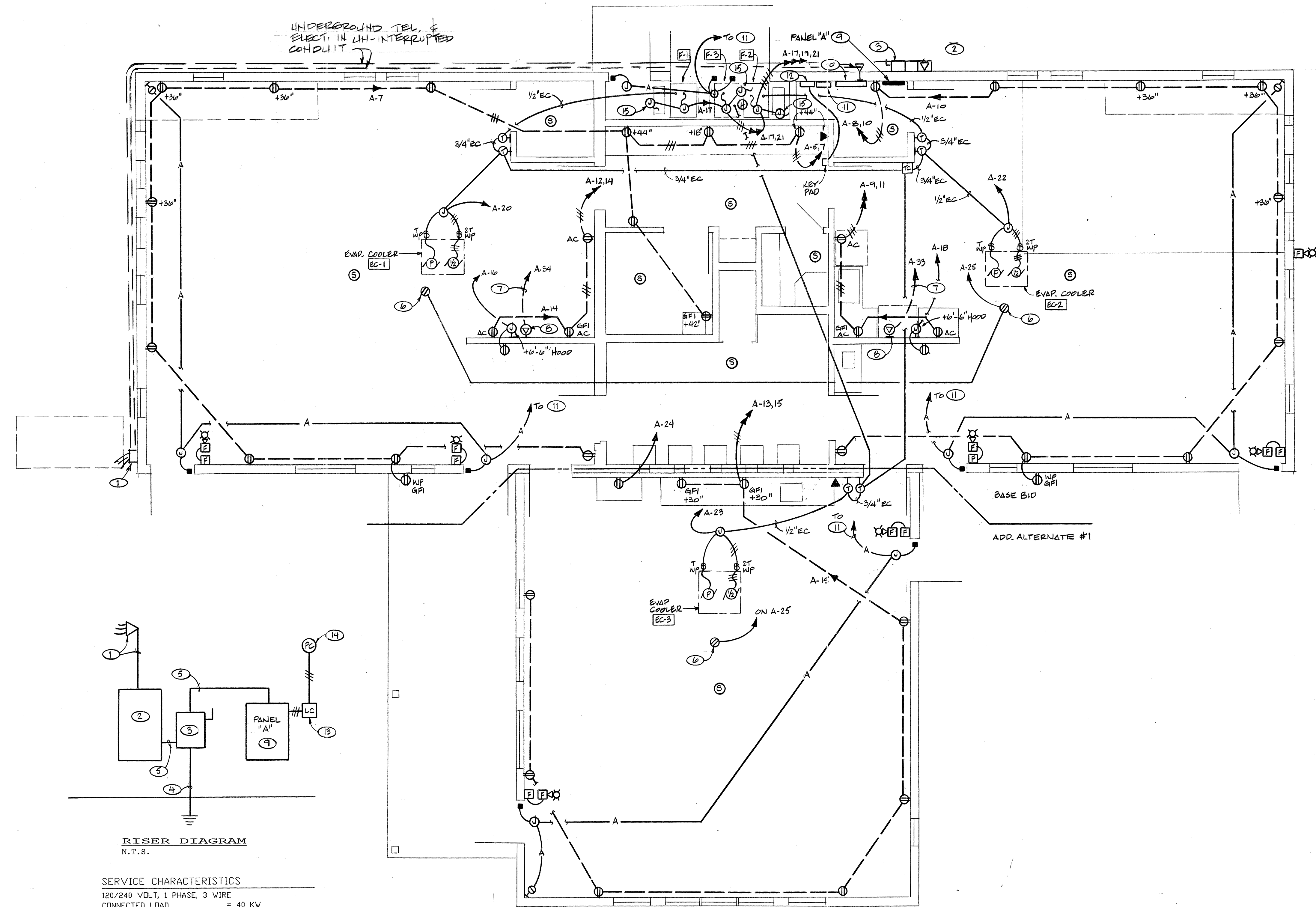
BARELAS AREA  
**CHILD CARE CENTER**  
for: City of Albuquerque  
Department of Family and Community Services  
Albuquerque, New Mexico

PROJECT NO.  
ARCH: 9519

DATE REV.  
21 AUG. '96

ELECTRICAL  
POWER

**E 2**  
OF 25



**RISER DIAGRAM**  
N.T.S.

**SERVICE CHARACTERISTICS**  
120/240 VOLT, 1 PHASE, 3 WIRE  
CONNECTED LOAD = 40 KW  
ESTIMATED DEMAND LOAD = 28 KW  
TRANSFORMER SIZE REQUIRED = 50 KVA  
AVAILABLE FAULT CURRENT AT TRANSFORMER SECONDARIES = 10,417 AIC

**POWER PLAN**  
1/4" = 1'-0"

**GENERAL NOTES**

- A. CONDUIT: 1/2" MINIMUM SIZE, RGS, EMT, IMC, ENT OR PVC AS REQUIRED BY CODE.
- B. WIRE: #12 AVG MINIMUM SIZE, THWN INSULATION UNLESS OTHERWISE NOTED, COPPER CONDUCTORS.
- C. ALL HEATING/VENTILATING CONTROLS AND CONTROL WIRING SHALL BE DONE BY A CONTROLS SUB-CONTRACTOR WITH CONDUIT AND BOXES ONLY PROVIDED BY THE ELECTRICAL CONTRACTOR.

**KEYED NOTES**

- 1. 3 #3/0 THWN-CU-2" R.G.S. CONDUIT SERVICE MAST WITH 3/4" CONDUIT WEATHERHEAD AS PER PNM REQUIREMENTS.
- 2. METERING FOR 200 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE SERVICE AS PER PNM REQUIREMENTS.
- 3. SAFETY SWITCH, 200 AMP, 2 POLE, 3 WIRE, S/N, 250 VOLT, HEAVY DUTY, FUSIBLE WITH CLASS "R" FUSE CLIPS, NEMA 3R ENCLOSURE. FUSE WITH LITTELFUSE #LLN-RK-200 FUSES.
- 4. #4 THWN-GROUND CONDUCTOR(S) - 1/2"C. TO GROUNDING ELECTRODE(S) AS PER ARTICLE 250 OF THE NEC AND LOCAL CODES.
- 5. 3 #3/0 THWN-CU-1-1/2"C.
- 6. DUPLEX, GFI RECEPTACLE MOUNTED IN AN "FD" BOX WITH FLAP COVER, WEATHERPROOF, 12" ABOVE ROOF AND PAINTED "HIGH VISIBILITY YELLOW".
- 7. 3 #6 THWN-3/4"C.
- 8. RANGE OUTLET, 50 AMPERE, 220 VOLT, 2 POLE, 3 WIRE, GROUND. MOUNT 18" A.F.F.
- 9. PANEL "A" SHALL BE LOADCENTER CONSTRUCTION, 120/240V, 1 PHASE, 3 WIRE, S/N, 200 AMP MLD, 10000 AIC MIN. BREAKERS, SURFACE MOUNT, COPPER BUSSES, WITH:  
32 - 1 POLE, 20 AMPERE BKRS (8 SPARE, #25 - 32)  
2 - 2 POLE, 50 AMPERE BKRS (RANGES - 2)  
4 - SPACES FOR FUTURE BREAKERS.
- 10. TELEPHONE TERMINAL BOARD, 24" X 72" X 3/4" THICK PLYWOOD AS PER U.S. WEST REQUIREMENTS. PROVIDE A #6 GROUND CONDUCTOR TO BOARD VICINITY AND 2"C. TO WEATHERHEAD FOR AERIAL INCOMING TELEPHONE SERVICE AS PER U.S. WEST REQUIREMENTS.
- 11. SECURITY SYSTEM CONTROL PANEL, MOOSE #Z1100 W/ USER CODES.
- 12. FIRE ALARM CONTROL PANEL (FACP) SINGLE ZONE, CLASS "B" INITIATING AND ALARM CIRCUITS, TROUBLE INDICATOR BUZZER/LIGHT W/ SILENCE SWITCH, BATTERY BACK UP FOR 24 HOURS, 24 VOLT DC POWER, NEMA 1 ENCLOSURE, LOCKABLE, HINGED COVER, SURFACE MOUNT.
- 13. LIGHTING CONTACTOR, 120 VOLT COIL, MECHANICALLY HELD, WITH 2 - 1 POLE, 20 AMP CONTACTS, NEMA 1 ENCLOSURE, MOUNT ADJACENT TO PANEL "A".
- 14. PHOTO-CONTROL, INTERMATIC #K4221 OR EQUAL, MOUNT 12" ABOVE ROOF WITH WINDOW FACING NORTH.
- 15. J-BOX FOR CONNECTION TO MOTORIZED DAMPER MOTOR, SEE NOTE (3) AND "ELECTRIC CONTROLS SCHEMATIC LADDER DIAGRAM" ON MECHANICAL PLAN M-1.

ELECTRICAL SYMBOL LEGEND	
	FLUORESCENT LIGHTING FIXTURE, LETTER DENOTES FIXTURE TYPE
	LIGHTING FIXTURE, CEILING MOUNT, LETTER DENOTES FIXTURE TYPE
	LIGHTING FIXTURE, WALL MOUNT, LETTER DENOTES FIXTURE TYPE
	JUNCTION BOX, SIZE AS REQUIRED
	EXIT LIGHT, SEE FIXTURE SCHEDULE FOR TYPE
	EMERGENCY LIGHTING FIXTURE
	SINGLE POLE TOGGLE SWITCH, UP 48" TO TOP
	THREE WAY TOGGLE SWITCH, UP 48" TO TOP
	FOUR WAY TOGGLE SWITCH, UP 48" TO TOP
	MANUAL MOTOR SWITCH
	TWO POLE MANUAL MOTOR SWITCH
	DUPLEX RECEPTACLE, UP 18"; SAFETY TYPE THROUGHOUT "AC" = ABOVE COUNTER +44" A.F.F.
	TELEPHONE OUTLET
	PANELBOARD
	DISCONNECT SWITCH AS SPECIFIED
	CONDUIT RUN CONCEALED IN CEILING OR WALLS
	CONDUIT RUN CONCEALED IN WALLS OR FLOOR
	HOMERUN TO PANELBOARD, CCTS #1 & 3
	SECURITY SYSTEM CONDUIT
	SECURITY SYSTEM DOOR CONTACTS, SENTROL SERIES #1075, PRESS FIT
	SECURITY SYSTEM MOTION DETECTOR, DUALTEC #PR-DT450T
	FIRE ALARM SYSTEM MANUAL STATION, FARADAY #PM6608
	FIRE ALARM SYSTEM HORN/STROBE COMBINATION, FARADAY #6626B-W24VDC
	FIRE ALARM SYSTEM STROBE UNIT, FARADAY #5508B-V-24VDC
	FIRE ALARM SYSTEM SMOKE DETECTOR, PHOTO TYPE, FARADAY #9375
	FIRE ALARM SYSTEM COMBINATION RATE OF RISE/FIXED TEMPERATURE HEAT DETECTOR, FARADAY #9341-136
	ELECTRICAL KEYED NOTE REFERENCE

RECORD DRAWINGS:  
revisions drawn by: *[Signature]* date: *July 1, 97*  
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Design Review Committee	City Engineer Approval	Mo / Day / Yr	Mo / Day / Yr
City Project No. 5183.91	Zone Map No. K-13Z	Sheet E2	Of 25