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ADDRESS

1501 2ND SE
ALBUQUERQUE, NEW MEXICO

LEGAL DESCRIPTION

BLOCKS 2,3,4
VALLEY VIEW ADDITION
CITY OF ALBUQUERQUE, NEW MEXICO

ZONING

CITY OF ALBUQUERQUE
ZONE O-1
ZONE ATLAS MAP K-17-Z

DESIGN DATA

SEISMIC ZONE: 2
CONSTRUCTION TYPE: VN
OCCUPANCY GROUP: A-3
GROSS BUILDING AREA: 1340 SQ. FT.
NET FLOOR AREA: 1232
OCCUPANT LOAD: 55

PARKING

PARKING REQUIRED: 7 SPACES
PARKING PROVIDED: 11 SPACES

OWNERSHIP OF DOCUMENTS

DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED BY THE OWNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT.

GENERAL NOTES

IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO TAKE ALL NECESSARY PRECAUTIONS TO INSURE PROTECTION OF EXISTING LANDSCAPING AND SWIMMING POOL BUILDING.
GENERAL CONTRACTOR SHALL RESPECT FACT THAT EXISTING SWIMMING FACILITY SHALL REMAIN OPEN FOR BUSINESS DURING CONSTRUCTION. HE SHALL KEEP PREMISES CLEAN AND FREE OF RUBBISH AND DEBRIS AT ALL TIMES.

COMPACTION NOTES

STRUCTURES SHALL BE SUPPORTED ON FOOTINGS PLACED ON NATURAL SOILS, OR APPROVED FILL. BOTTOMS OF FOOTING TRENCHES SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY. INTERIOR FLOOR SLABS SHALL BE SUPPORTED ON 6" OF APPROVED GRAVEL FILL. PRIOR TO SLAB PLACEMENT, DISTURBED SOILS & GRAVEL FILL SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY.
SATURATION OF SUB-SOILS CAN CREATE EXCESSIVE FOUNDATION AND/OR SLAB MOVEMENT.

SOIL COMPACTION REQUIRED

1. UNDER FLOOR SLAB - 90% AASHTO T180.
2. UNDER PATIOS, WALKS, & DRIVE SLABS, 95% AASHTO T180. COM-PACT SOIL TO DEPTH OF 12" BELOW CONC.
3. AFTER PREPARATION OF FOOTING TRENCHES, INCLUDING REMOVAL OF FROZEN SOILS, TRENCH BOTTOMS SHALL BE BROUGHT TO OPTIMUM MOISTURE CONTENT (22%) & COMPACTED TO 95% OF MAX. DENSITY PER ASTM D-1557.

STRUCTURAL NOTES

1. ALL CONCRETE - 3000 PSI @ 28 DAYS.
2. ALL REINFORCING STEEL SHALL BE DEFORMED STEEL MEETING ASTM A616, OR ASTM A615 SPECIFICATIONS. DETAIL REIN- FORCING IN ACCORDANCE WITH ACI STANDARD 318.77. SPLICES SHALL NOT BE LESS THAN 36 DIAMETERS, EXCEPT IN PIERS, OR VERTICAL MASONRY WALL REINFORCING, WHERE SPLICES MAY BE MINIMUM OF 24 BAR DIAMETERS.
3. PROVIDE A MINIMUM CONCRETE COVER OF 3" FOR ALL REINFORCING IN FOOTINGS. PROVIDE MINIMUM COVER OF 1 1/2" FOR ALL OTHER REINFORCING.
4. FOOTINGS MAY BE POURED AGAINST CLEAN VERTICAL SOIL, IF NATURAL SOIL WILL STAND WITHOUT FORMS.
5. PROVIDE EXPANSION AND/OR CONTRACTION JOINTS AS CALLED FOR OR SHOWN ON PLANS.
6. SLABS ON GRADE SHALL BE PLACED IN SECTIONS NOT EXCEEDING 1000 SQ. FT.
7. ALL STRUCTURAL STEEL SHALL MEET ASTM A36 SPECIFICATIONS, AND SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS DATED NOVEMBER 1, 1978.
8. ALL CONSTRUCTION SUPPORTED BY BOLTING TO CONCRETE OR GROUTED MASONRY SHALL HAVE BOLTS PROVIDED TO EQUAL OR EXCEED CONDI- TIONS SHOWN IN APPLICABLE TABLES OF LATEST UNIFORM BUILDING CODE.
9. CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT APPROVED LOCATIONS, GENERALLY AT CENTER OF SPAN.
10. FOLLOW SPECIFICATIONS FOR FILL AND BACKFILL. DO NOT FILL WITH ANY FROZEN MATERIAL.
11. ALL CONCRETE MASONRY UNIT WALLS SHALL HAVE VERTICAL RE- INFORCING OF 1 #5 REBAR IN CONCRETE-FILLED CELLS AT 32" O.C. HORIZONTAL REINFORCING SHALL CONSIST OF STANDARD WEIGHT MASONRY PREFABRICATED REINFORCING AT 16" O.C. AND CONCRETE-FILLED BOND BEAM REINFORCING AT 16" O.C. AND 4'-0" O.C. JAMBS OF ALL OPENINGS AND ALL CORNERS SHALL HAVE TWO CELLS FILLED WITH CONCRETE AND REINFORCED WITH 1 #5 REBAR/PER CELL.
12. WHERE GROUT IS USED TO ASSURE BEARING, USE NON-SHRINKING TYPE GROUT, AND FULLY PACK SPACE.
13. MOISTURE SHALL BE PREVENTED FROM ACCUMULATING IN FOOTING EXCAVATIONS. SHOULD MOISTURE ACCUMULATE IN ANY AREAS, BOTTOM OF FOOTING SHALL BE LOWERED AN ADDITIONAL 2'-0".

SOILS REPORT:
GEOTECHNICAL INVESTIGATION
PREPARED BY ALBUQUERQUE
TESTING LABORATORY INC.
532 JEFFERSON, NE. ALBQ. N.M. 87108
JOB NO. 10213. NOV. 12, 1978
COPIES OF REPORT AVAILABLE AT
THE OFFICE OF THE ARCHITECT.

GENERAL NOTE:
CONTRACT INCLUDES
CLASSROOM BUILDING, ALL
LANDSCAPING, ALL CONC. WALKS & CURBS,
PARKING STRIPES & ASPHALT PAVING
INCLUDING THE DRIVE COURSE, I.I.C.

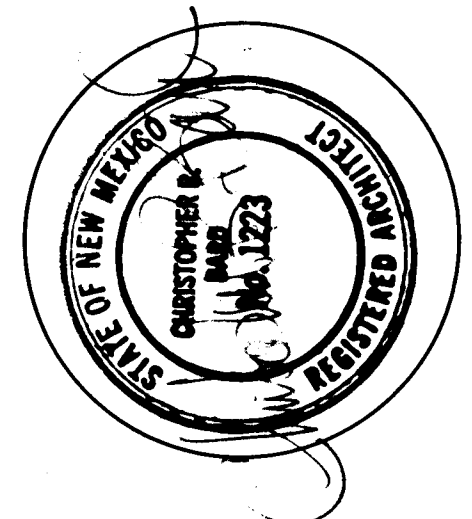
PLANT LIST				
QUANTITY	BOTANICAL NAME	COMMON NAME	CONT.	SIZE
4	GLEDITSIA TRIACANTHOS INERMIS "SHADE MASTER"	HONEYLOCUST "SHADEMASTER"	B & B	2" CALIPER
8	J. CHINENSIS PFITZERTIANA	PFITZER JUNIPER	5 GAL.	

GRAVELED AREAS TO BE FILLED WITH 3/8" CRUSHED GRAVEL OVER 6 MIL. LANDSCAPE PLASTIC 2" MINIMUM THICKNESS.

LAWN AREAS TO BE SCOTT'S TRANSITION BLEND SOD WITH RAINBIRD IRRIGATION SYSTEM.

AS-BUILT
REVISIONS
0-24-84

APPROVAL OF AS-BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
W.F. McNa
DATE 10/31/84



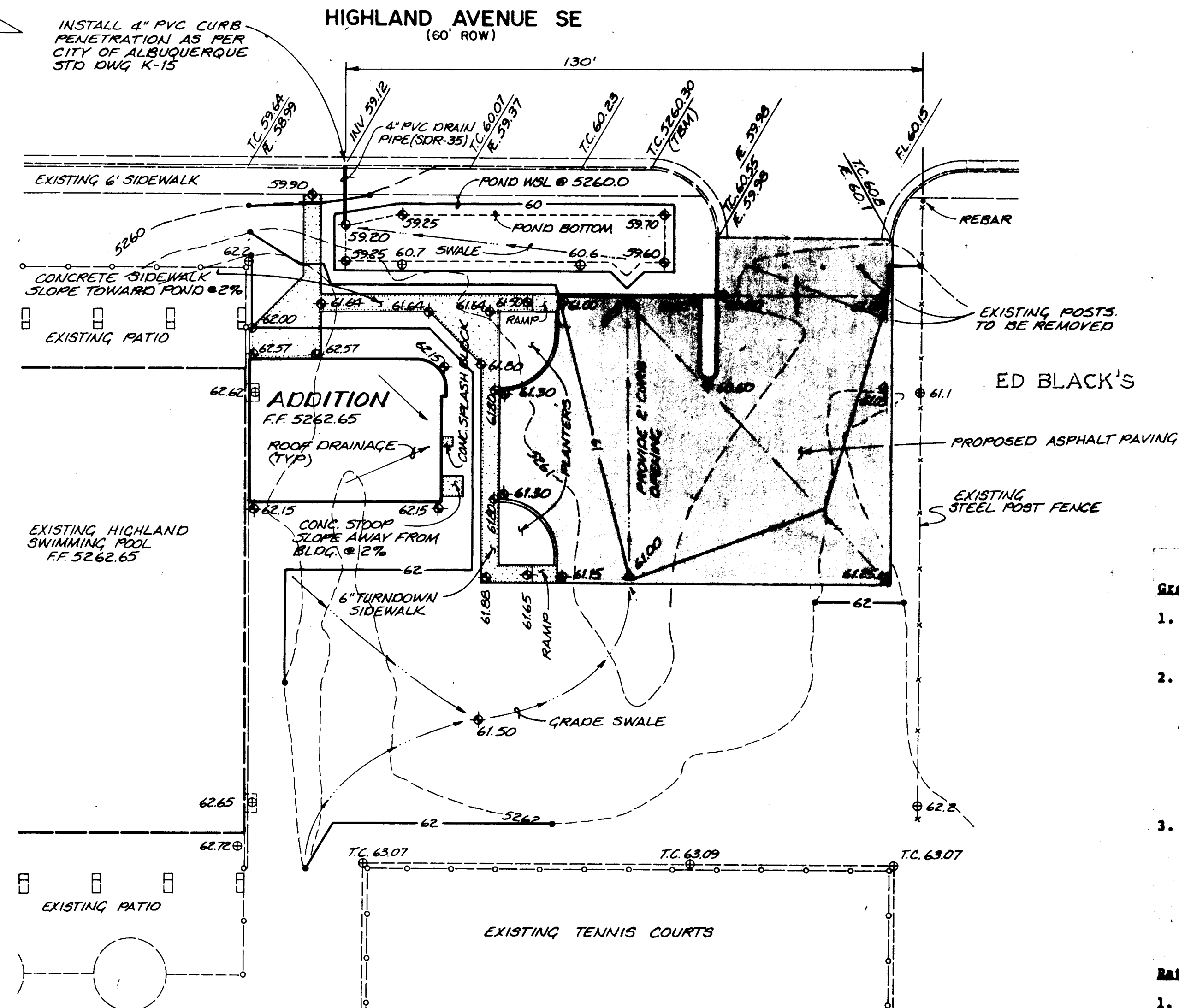
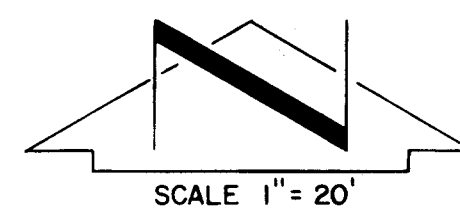
Classroom Addition Highland Swimming Pool Department of Parks and Recreation

Project No. 1664

Fanning / Bard Architects
AIA
110 Amherst Drive SE Albuquerque, New Mexico
87106 (505) 266-5874

1664

1 2 3 4 5 6 7 8 9 10 11 12
26 1664 0184



MISCELLANEOUS INFORMATION

- TOPOGRAPHIC SURVEY DATA PROVIDED BY CITY OF ALBUQUERQUE. PROJECT BENCHMARK NOT KNOWN.
- TBM:
TOP OF CURB ELEVATION WSW CURB RETURN AT ENTRANCE TO PROJECT.
ELEVATION: 5260.30 FEET (MGLD)
- ADDRESS:
4700 COAL AVENUE S.E.
- LEGAL ADDRESS:
NOT KNOWN.

PLAN

The following information concerning the Highland Pool Addition Drainage Plan are contained hereon:

- Vicinity Map
- Grading Plan
- Calculations

The proposed improvements, as shown by the Vicinity Map, are located on the south side of Highland Avenue between San Mateo Boulevard S.E. and Jackson Street S.E. At present, the site is developed as a high school campus.

Research has revealed that the site does lie within a designated flood hazard zone, however, downstream flooding exists. Because of this, the runoff generated by the proposed improvements will be routed through a positive discharge pond and discharged onto Highland Avenue. Highland Avenue drains from east to west.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1' 0\"/>

The Calculations which appear below analyze both the existing and developed conditions for the 100-year, 4-hour rainfall event. The Rational Method has been used for this analysis in accordance with the City of Albuquerque Development Process Manual, Volume II. The evaluation of pond release rates is based upon the orifice equation. The determination of pond volume is based upon the average-end area method. As shown by these calculations, only a minor increase in runoff is anticipated due to the proposed improvements. A positive discharge pond has been provided to attenuate the runoff peak discharging from the site. Although the pond volume provided is somewhat less than that which is required by hydrograph analysis, it will serve to control the discharge of runoff generated by the more frequent rainfall events. This is significant due to the fact that the increase in impervious area will lower the runoff threshold for the site.

Calculations

Ground Cover Information

- From SCS Bernalillo County Soil Survey, Plate 31:
MMA Madres - Wink Association
Hydrologic Soil Group B
- Existing Condition
 $A_{total} = 22,500 \text{ sf} = 0.52 \text{ Ac}$
 $A_{imp} = 0 \text{ sf}$
 $\% \text{ impervious} = 0\%$
 $'C' = 0.34 \text{ (DPM Plate 22.2C-1)}$
- Developed Condition
 $A_{total} = 22,500 \text{ sf} = 0.52 \text{ Ac}$
 $A_{imp} = 8200 \text{ sf}$
 $\% \text{ impervious} = 8200/22,500 = 37\%$
 $'C' = 0.51 \text{ (DPM Plate 22.2C-1)}$

Rational Method

- Discharge: $Q = C i A$
where C varies
 $i = P_2 (6.84) T_c^{-0.51} = 4.86 \text{ in/hr}$
 $P_2 = 2.3 \text{ in (DPM Plate 22.2D-1)}$
 $T_c = 10 \text{ min (minimum)}$
 $A = 0.52 \text{ Ac}$
- Volume: $V = C P_2 A (1/12)$
where C varies
 $P_2 = 2.3 \text{ in (DPM Plate 22.2D-1)}$
 $A = 22,500 \text{ sf}$

Existing Condition

$$Q_{100} = C i A = 0.34 (4.86) (0.52) = 0.9 \text{ cfs}$$

$$V_{100} = C P_2 A = 0.34 (2.3/12) (22,500) = 1466 \text{ cf}$$

Developed Condition

$$Q_{100} = C i A = 0.51 (4.86) (0.52) = 1.3 \text{ cfs}$$

$$V_{100} = C P_2 A = 0.51 (2.3/12) (22,500) = 2199 \text{ cf}$$

$$Q_{release} = C A 2gh = 0.4 \text{ cfs}$$

where $C = 0.75$

$$A = 0.0873 \text{ sf (4\"/>$$

By hydrograph analysis, $V_{required} = 1053 \text{ cf}$

$$V_{pond} = 1/2 [(A_{59.2} + A_{59.6}) (59.6 - 59.2) + (A_{59.6} + A_{60}) (60 - 59.6)]$$

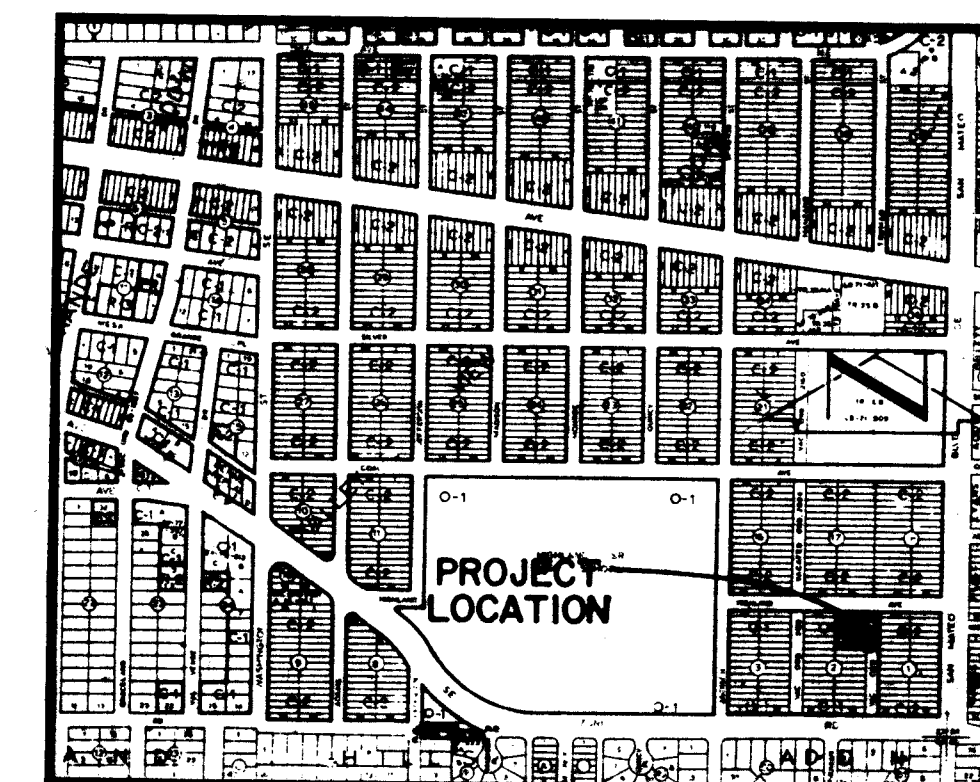
$$= 1/2 [(0 + 720) (0.4) + (720 + 1160) (0.4)] = 520 \text{ cf}$$

$$V_{pond} < V_{required}$$

Comparison

$$\Delta Q_{100} = 0.9 - 1.3 = -0.04 \text{ cfs (increase)}$$

$$\Delta V_{100} = 1466 - 2199 = -733 \text{ cf (increase)}$$



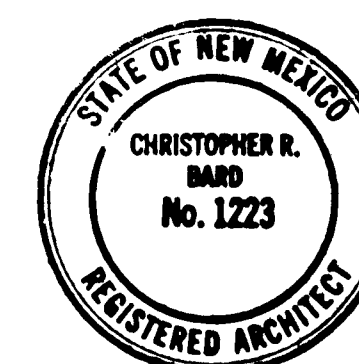
VICINITY MAP
SCALE 1\"/>

LEGEND

- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SWALE
- EXISTING TOP OF CURB
- EXISTING FLOW LINE
- CONCRETE
- BASIN BOUNDARY
- HIGH POINT
- PROPOSED ASPHALT

CONSTRUCTION NOTES:

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



Fanning / Bard
Architects AIA

110 Amherst Drive SE
Albuquerque, New Mexico
87106 (505) 266-5874

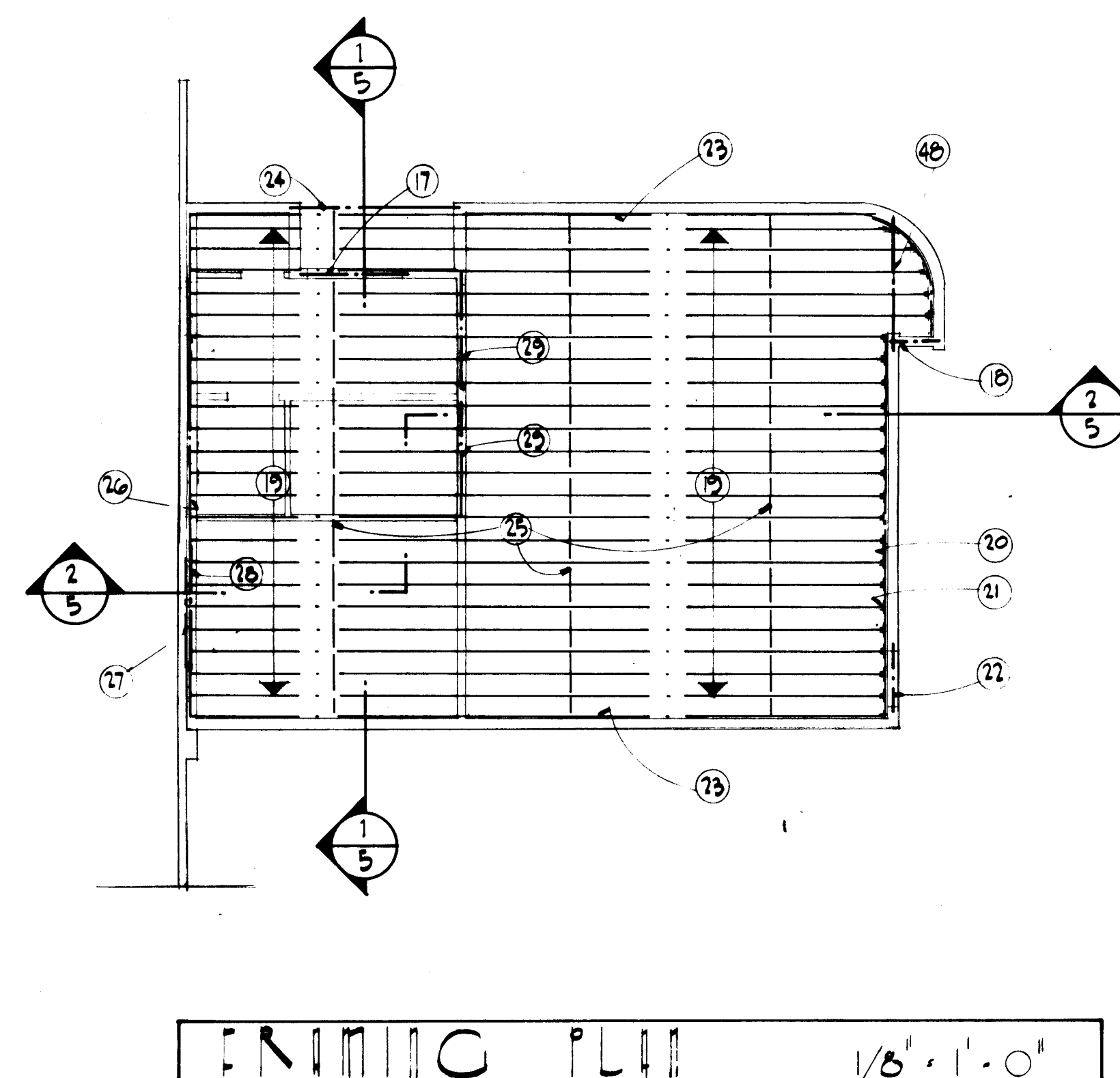
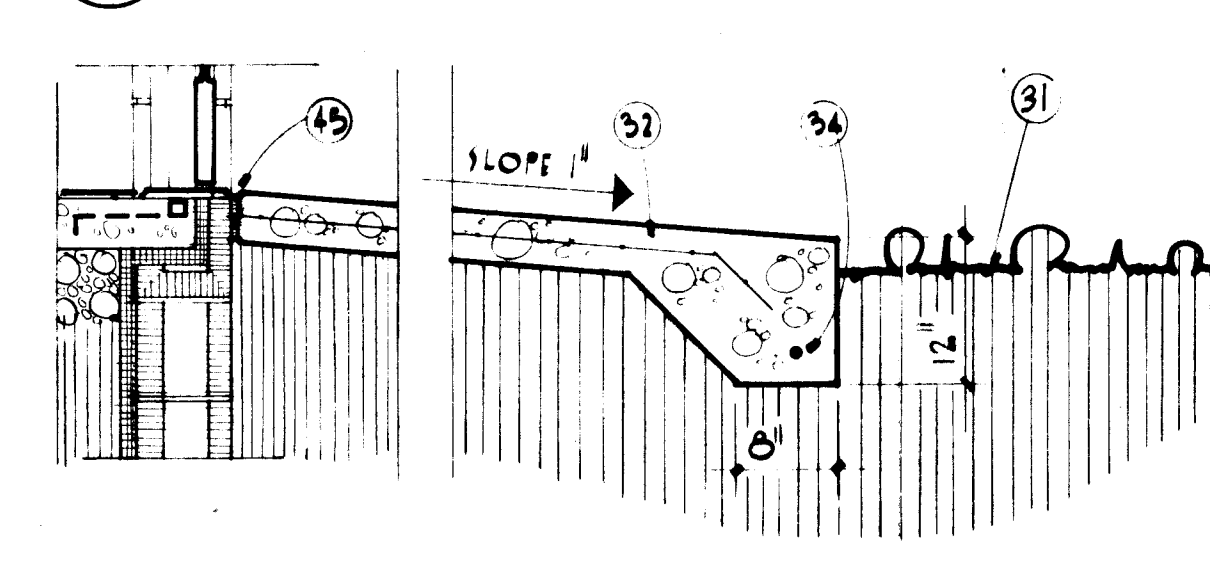
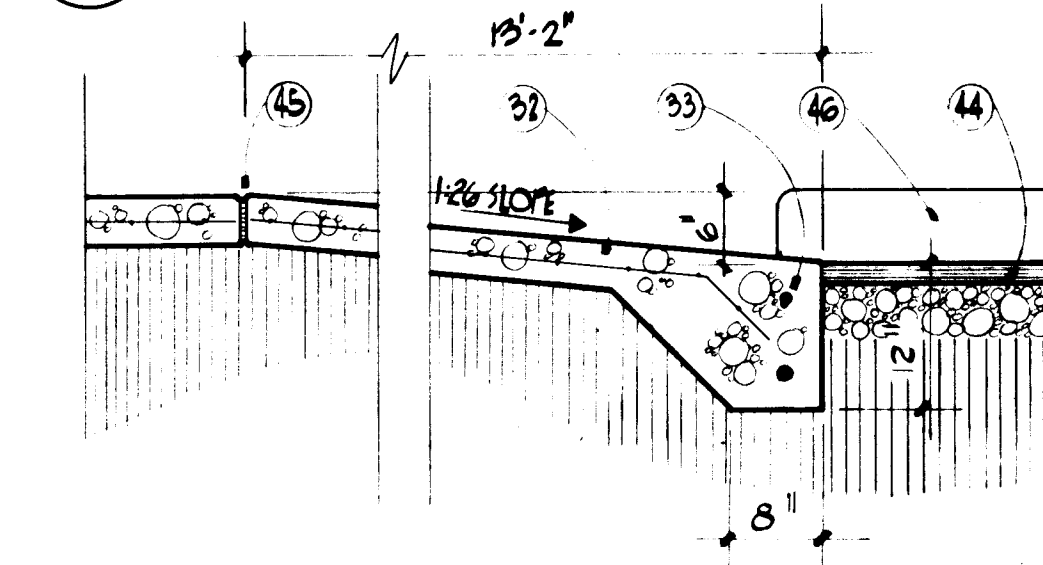
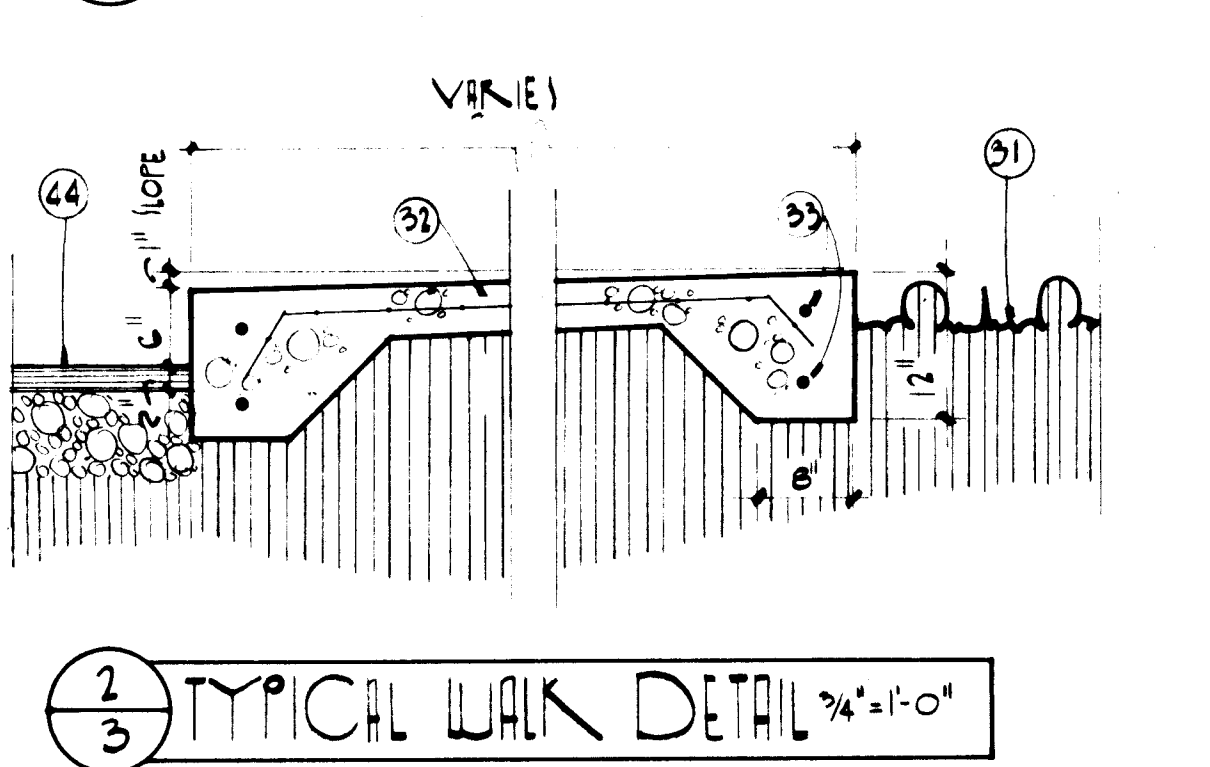
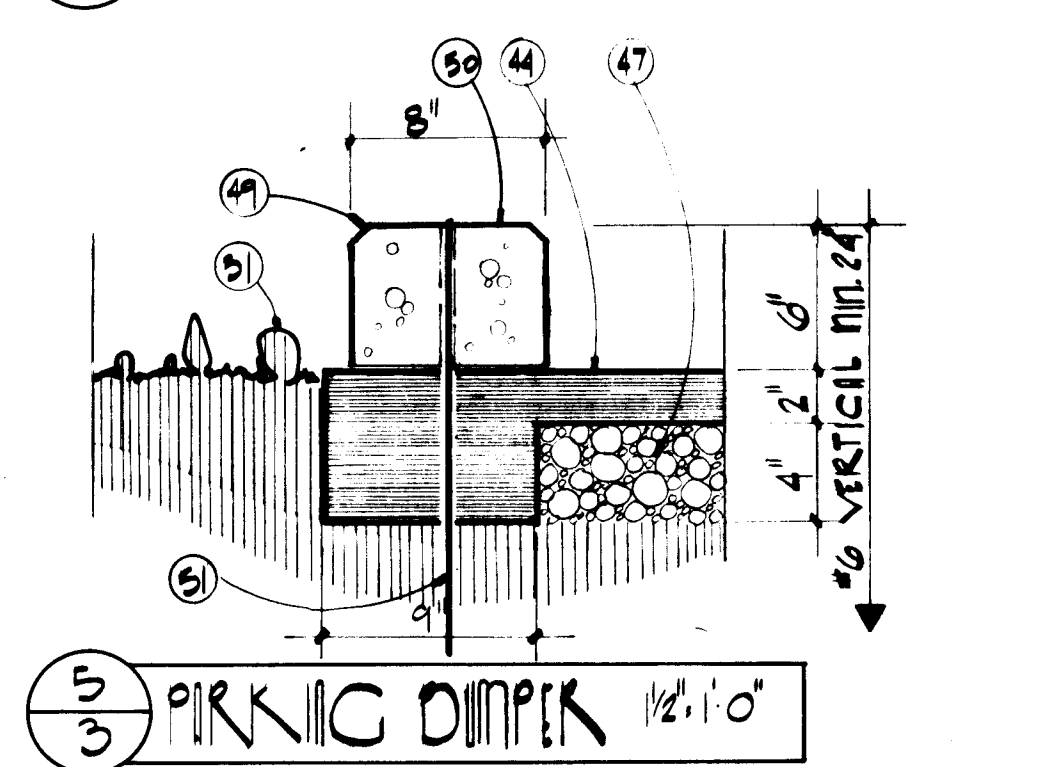
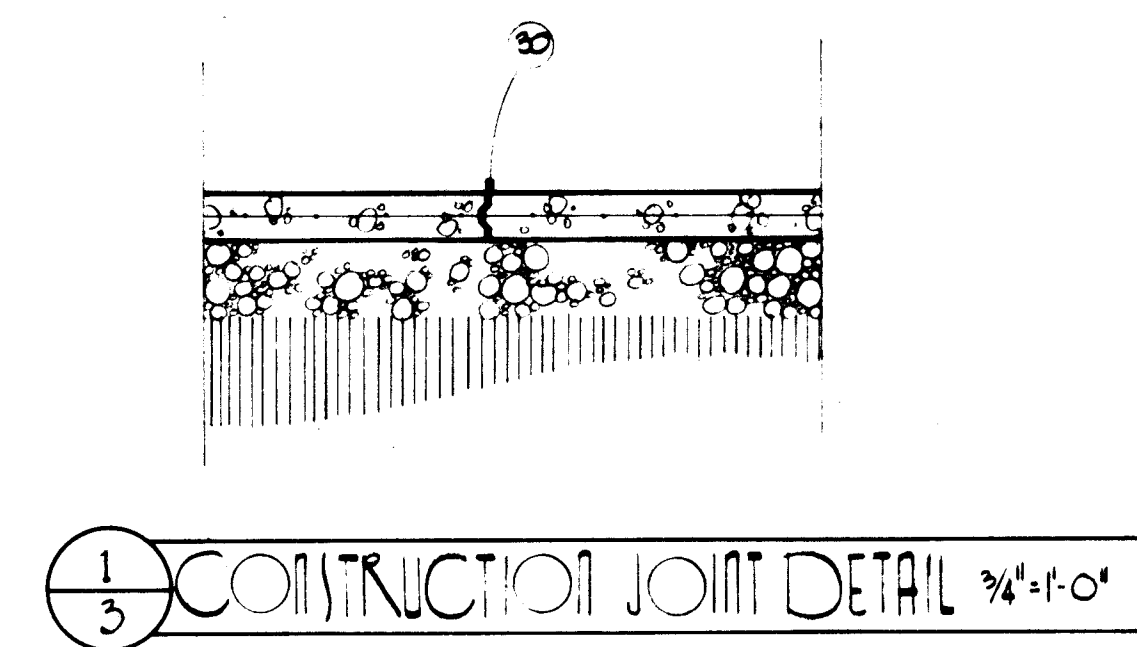
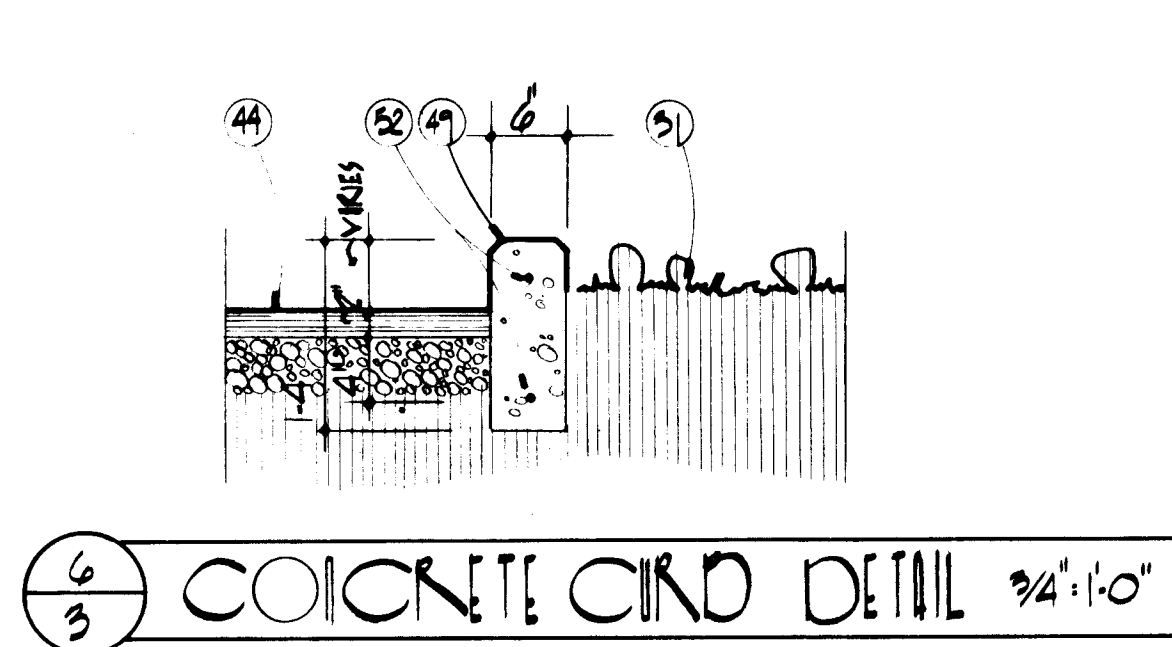
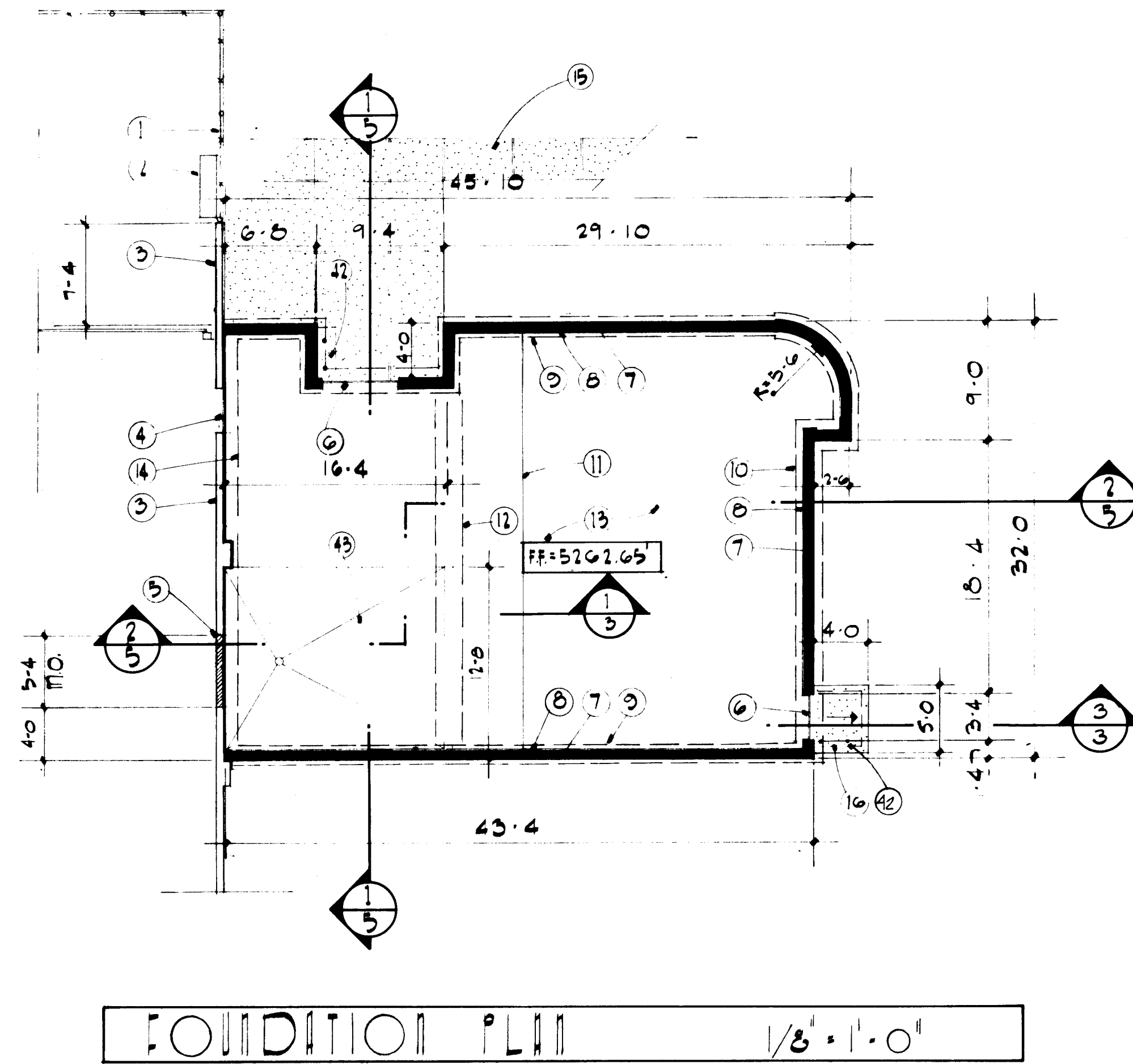
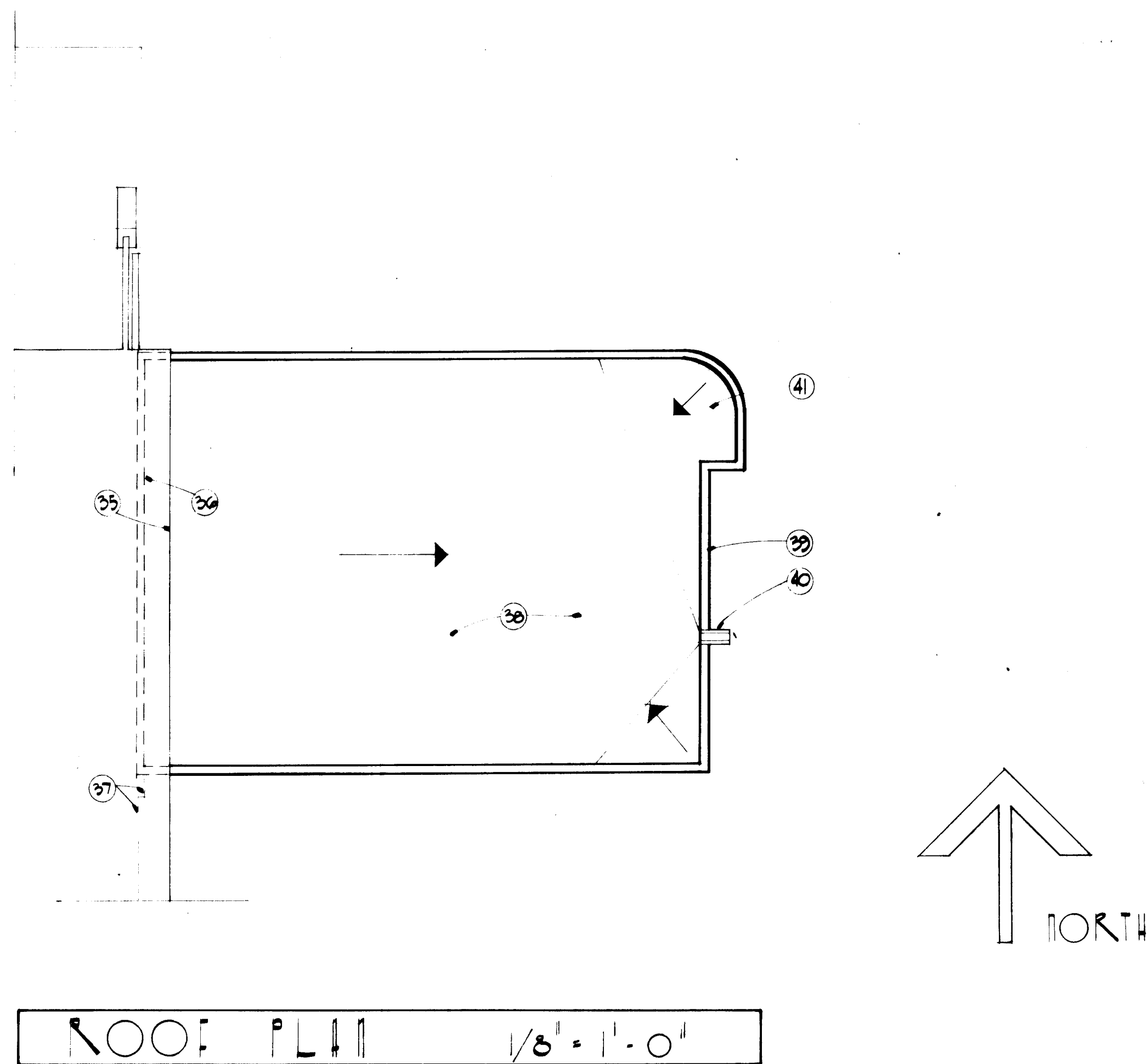
HIGHLAND SWIMMING POOL
CLASSROOM ADDITION
400 JACKSON SE
ALBUQUERQUE, NEW MEXICO
PROJECT NO. 1664

GRADING &
DRAINAGE PLAN

SHEET
32
2

1664

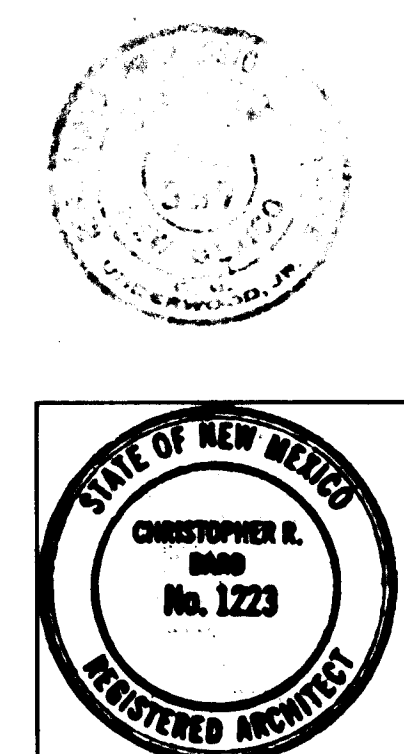
Job No. 90642



- KEYED NOTES
- EXISTING CHAIN LINK FENCE.
 - LINE OF EXISTING TOP OF FOOTING SUPPORTING EXISTING ROOF STRUCTURE @ SWIMMING POOL BUILDING.
 - EXISTING SPLIT AND FLUTED CMU WALL.
 - EXISTING 3'-4" WIDE x 7'-4" HIGH DOOR OPENING.
 - REMOVE EXISTING SPLIT/FLUTED CMU WALL FROM FINISH FLOOR TO 7'-4" ABOVE FINISH FLOOR. SEE SECTION 1/6 FOR HEAD AND JAMB DETAILS.
 - DEPRESS STEM WALL 4" @ DOOR OPENING & POUR SLAB TO 1" EXPANSION JOINT. SEE DETAIL SHEET #6.
 - 8"x 8"x 16" SMOOTH FACE CMU STEM WALL W/ #5 VERTICAL @ 2'-8" O.C./POUR STEM WALL SOLID UP TO FINISH FLOOR.
 - 1" PERIMETER INSULATION/R 5.5 MIN. SEE DETAILS SHEET #6.
 - 1'-4" WIDE x 10" DEEP CONC. FOOTING W/2 #5 HORIZ. CONTIN. & #4 @ 48" O.C. TRANSVERSE.
 - 2'-0" WIDE x 10" DEEP CONC. FOOTING W/3 #5 HORIZ. CONTIN. & #4 @ 48" O.C. TRANSV./EXTEND BOTTOM OF FOOTING MIN. OF 3'-0" BELOW GRADE ON UNDISTURBED, FIRM NATIVE SOILS.
 - CONSTRUCTION JOINT/SEE DETAIL THIS SHEET.
 - LINE OF 1'-4" WIDE x 1'-0" DEEP THICKENED SLAB W/3 #5 HORIZ. CONTIN. & #4 @ 48" O.C. TRANSVERSE/SEE DETAIL 1/6.
 - 4" THICK CONC. SLAB W/ 6x6 10/10 WMM./TYPICAL INTERIOR FLOOR SLAB.
 - 1'-0" WIDE x 1'-4" DEEP TURN DOWN EDGE W/2 #5 HORIZ. CONTIN. & #4 @ 48" O.C. TRANSVERSE/SEE DETAIL 1/6.
 - 4" CONC. WALK W/6x6 10/10 WMM./SEE DETAIL THIS SHEET & SITE PLAN SHEET #1 FOR CONTINUATION.
 - 4" CONC. PAD W/TURN DOWN EDGE/SEE DETAIL THIS SHEET.
 - 8"x 8"x 16" SPLIT/FLUTED CMU BOND BEAM W/1 #5 HORIZ. CONTIN./SEE DETAIL 2/6. GROUT BOND BEAM SOLID.
 - 8"x 8"x 16" SPLIT/FLUTED CMU BOND BEAM W/1 #5 HORIZ. CONTIN./GROUT BOND BEAM SOLID.
 - 12" TJI-35 @ 1'-4" O.C./INSTALL IN STRICT ACCORDANCE W/ MANUF. RECOMMENDATIONS INCLUDING ALL BLOCKING, WEB STIFFENERS ETC.
 - 2x12 LEDGER W/3/4" x 6" EXPANSION BOLTS @ 2'-0" O.C./SEE DETAIL 1/6.
 - JOIST HANGERS/SIMPSON "I.T." SERIES.
 - 8"x 8"x 16" SMOOTH FACE CMU BOND BEAM W/1 #5 HORIZ. CONTIN.
 - 2-2x4 LEDGER HORIZ. CONTIN./SEE DETAIL 2/6. ATTACH TO CMU WALL W/1/2" DIAMETER x 5 1/2" BOLTS @ 2'-8" O.C.
 - 8"x 16"x 8" DEEP SMOOTH FACE CMU BOND BEAM W/2 #5 HORIZ. CONTIN./SEE DETAIL 2/6.
 - BRIDGING INSTALL PER TRUSS-JOIST MANUFACTURER REQUIREMENTS.
 - TJI BLOCKING PANELS/SEE DETAIL 1/6.
 - ANGLE/6"x 6"x 3/8" BEAR MIN. 8" @ EACH SIDEWALL. SEE DETAIL 1/6.
 - HEADER/DOUBLE C-4 STUD (UNPUNCHED), 14 GA. W/MIN. 1-3/4" WELDS @ LOCATIONS PER MANUFACTURER'S PRINTED INSTRUCTIONS.
 - HEADER DOUBLE J-6 JOIST, 14 GA. W/MIN. 3-3/4" WELDS @ LOCATIONS PER MANUFACTURER'S PRINTED INSTRUCTIONS.
 - PREFORMED CONSTRUCTION JOINT. SEE SPECIFICATIONS.
 - GRADE/SEE GRADING & DRAINAGE PLAN SHEET #2.
 - 4" CONC. W/6x6 10/10 WMM.
 - 2 #4 HORIZ. CONTIN.
 - 1 #4 HORIZ. CONTIN.
 - LINE OF EXIST. ROOF @ SWIMMING POOL BUILDING.
 - LINE OF PARAPET BELOW.
 - LINE OF EXISTING SPLIT/FLUTED CMU BLOCK WALL BELOW.
 - GRAVEL SURFACE BUILT-UP ROOF/SEE SPECIFICATIONS.
 - 8"x 8"x 16" CMU PARAPET/SEE DETAILS SHEET #6.
 - PRECAST CONC. CANALE/SEE DETAILS SHEET #5.
 - CRICKET ROOF TO CANALE.
 - THICKENED SLAB/SEE DETAIL 3/4.
 - SLOPE FLOOR TO FLOOR DRAIN/SEE PLUMBING FLOOR PLAN FOR LOCATION OF DRAIN.
 - 2" ASPHALT. SEE SPECIFICATIONS.
 - 1/2" EXPANSION JOINT.
 - CONCRETE CURB.
 - BASE COURSE. SEE SPECIFICATIONS.
 - 2-2x12 DECKING 1200lb MIN.
 - 3/4" CURB.
 - PRE-CAST PARKING DUMPER
 - 1/6 VERT. / TOTAL 4 PER DUMPER
 - 2-#4 CONT.

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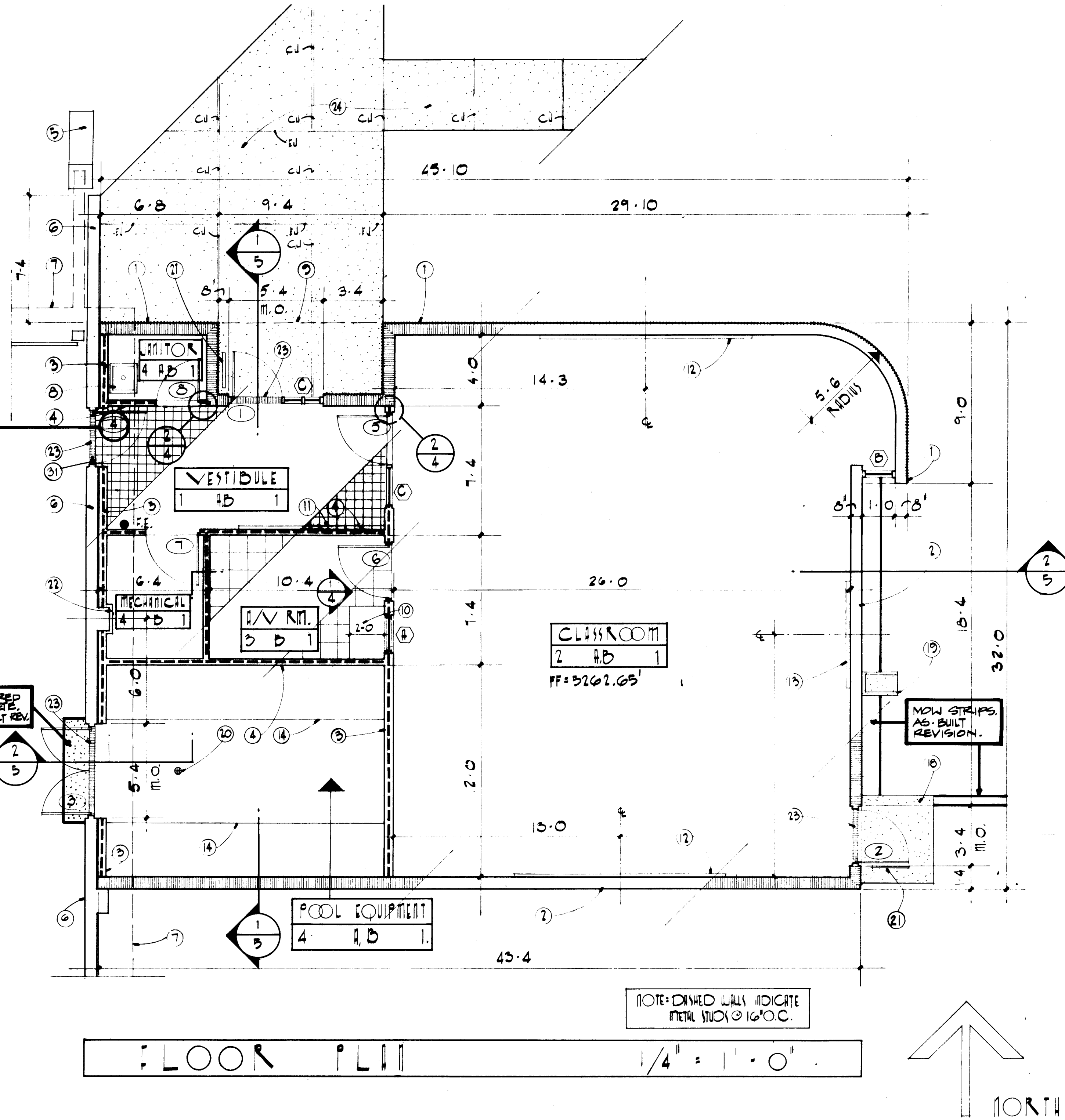
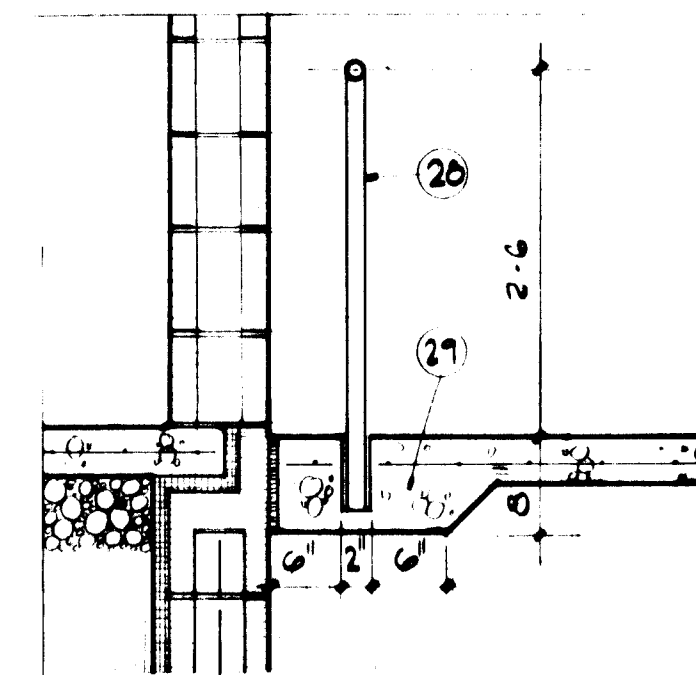
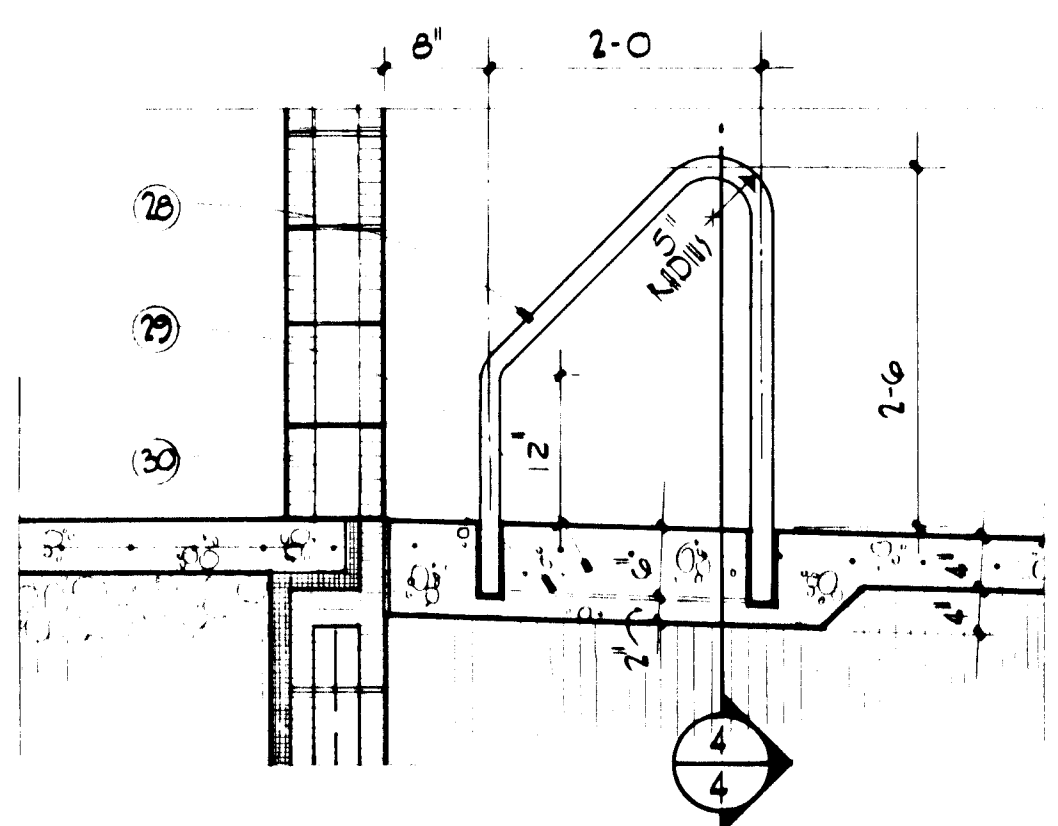
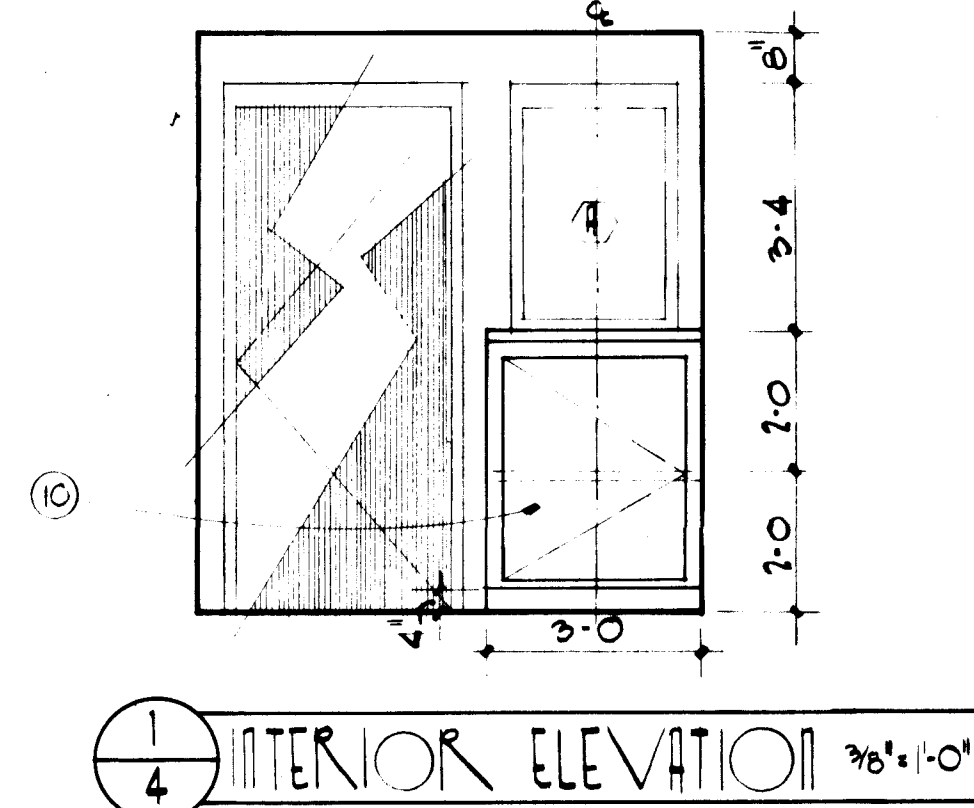
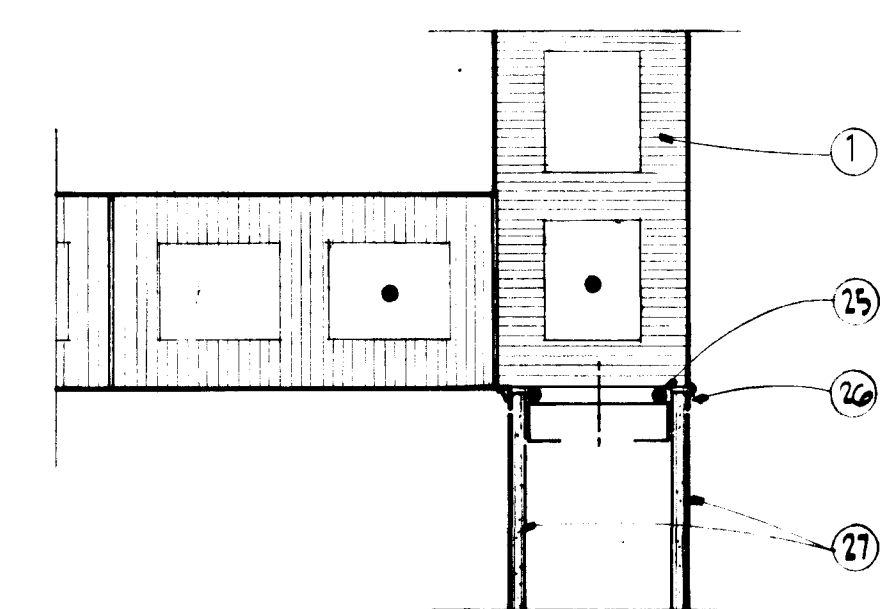
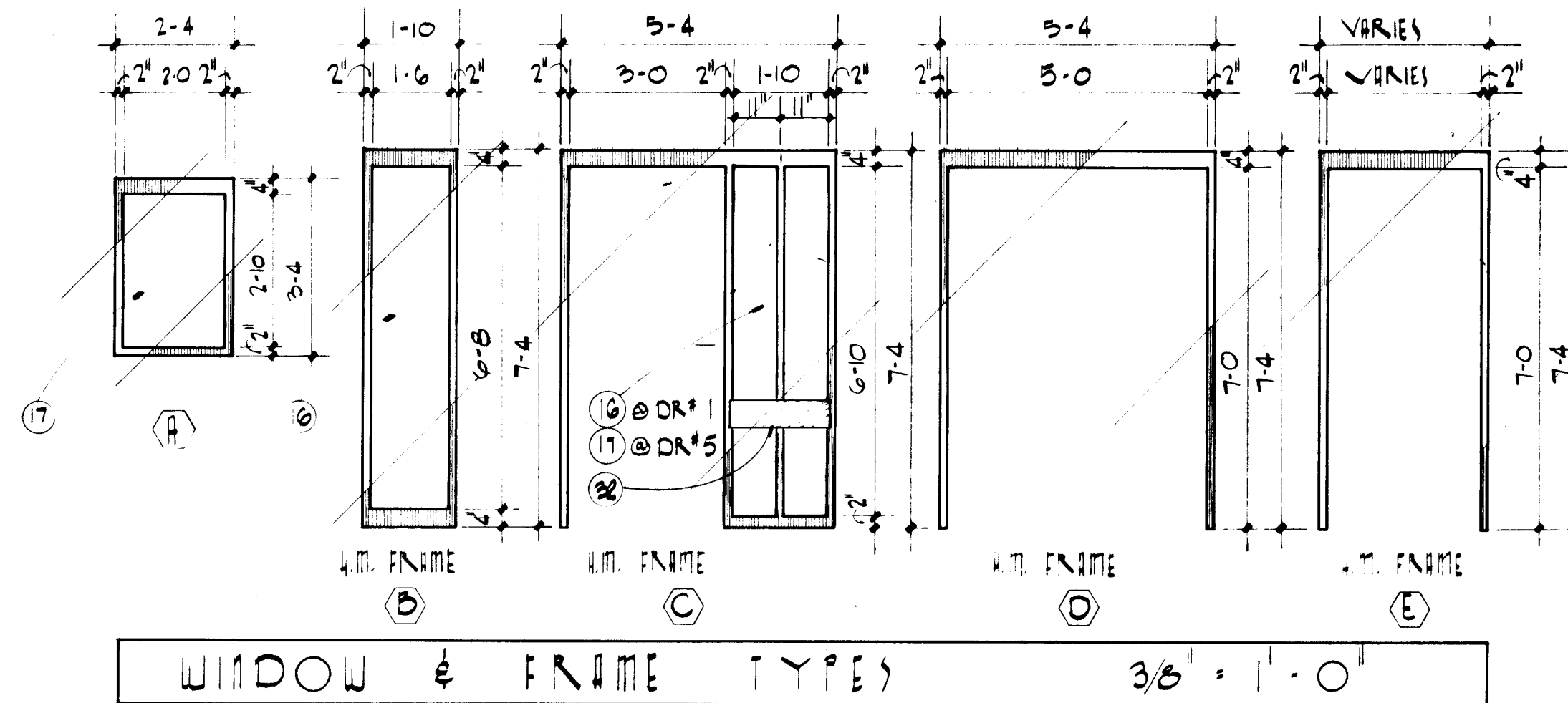
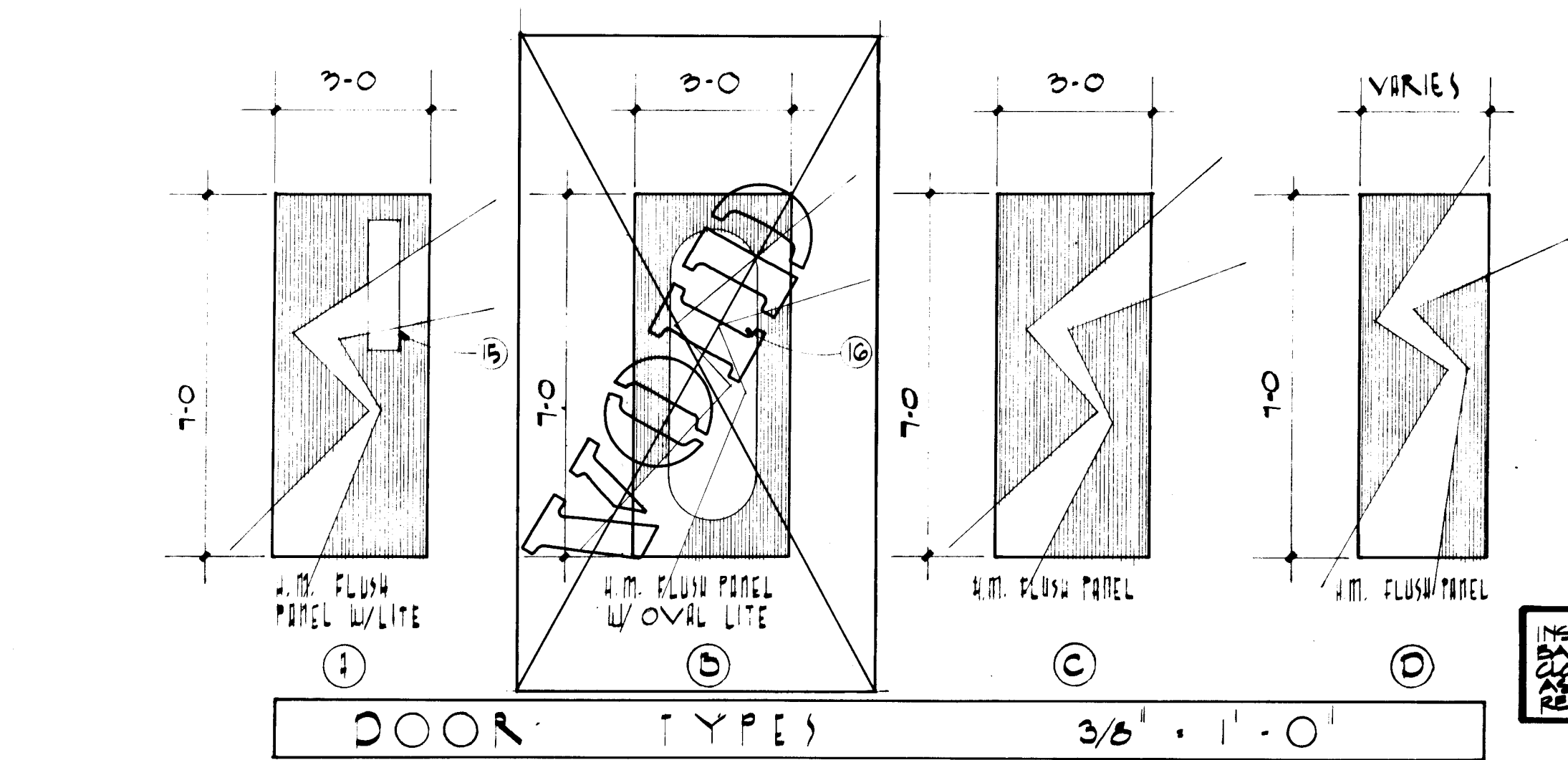
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Architects AIA
110 Amherst Drive SE
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HIGHLAND SWIMMING POOL
CLASSROOM ADDITION
400 JACKSON SE
ALBUQUERQUE, NEW MEXICO
PROJECT NO. 1664
FOUNDATION PLAN
ROOF PLAN & FINISHING
MISC. DETAILS

SHEET
33
9

1664



- KEYED NOTES**
- 8"x 8"x 16" SPLIT/FLUTED CMU WALL W/1 #5 VERTICAL @ 2'-8" O.C., BOND BEAMS W/1 #5 HORIZ. @ 4'-0" O.C. VERTICAL & DURO-WALL EVERY SECOND COURSE FROM FINISH FLOOR TO TOP OF PARAPET.
 - 8"x 8"x 16" SMOOTH FACE CMU WALL W/1 #5 VERTICAL @ 2'-8" O.C., BOND BEAMS W/1 #5 HORIZ. @ 4'-0" O.C. VERTICAL & DURO-WALL EVERY SECOND COURSE FROM FINISH FLOOR TO TOP OF PARAPET.
 - 6" 18 GA. METAL STUDS @ 1'-4" O.C.
 - 3-5/8" 25 GA. METAL STUDS @ 1'-4" O.C.
 - EXISTING FOOTING FOR EXISTING GLUE-LAM ROOF STRUCTURE.
 - EXISTING SPLIT/FLUTED CMU WALL.
 - LINE OF EXISTING ROOF OVERHANG ABOVE.
 - UTILITY SINK/SEE PLUMBING FLOOR PLAN.
 - LINE OF OVERHANG ABOVE.
 - PROJECTOR CABINET/SEE INTERIOR ELEV. THIS SHEET /SEE SPECIFICATIONS.
 - GLASS CASED BULLETIN BOARD/SEE SPECIFICATIONS/MOUNT BOTTOM UP 3'-0" ABOVE FINISH FLOOR/CENTER IN AVAILABLE WALL SPACE.
 - CHALKBOARD/CORKBOARD COMBINATION/12'-0" WIDE x 4'-0" HIGH/SEE SPECIFICATIONS/MOUNT BOTTOM UP 3'-0" ABOVE FINISH FLR.
 - "WHITE WONDER BOARD"/SEE SPECIFICATIONS. MOUNT BOTTOM UP 36" ABOVE FINISH FLOOR.
 - KAYAK RACKS/OWNER FURNISHED/CONTRACTOR INSTALLED.
 - 3/4" WIRE GLASS.
 - 7/32" TEMPERED PLATE GLASS.
 - 4" CONC. PAD W/6x6 10/10 W/M/SEE DETAIL SHEET #3.
 - PRECAST CONC. SPLASH BLOCK/SEE DETAIL SHEET #6.
 - FLOOR DRAIN/SEE PLUMBING FLOOR PLAN.
 - HAIRPIN DOOR STOP/SEE DETAIL #3 THIS SHEET.
 - 5/8" GYP. BD. ON 3/4" FURRING CHANNELS @ 12" O.C.
 - METAL THRESHOLD/SEE HARDWARE SCHEDULE.
 - 4" CONCRETE WALK/SEE PARTIAL SITE PLAN FOR COMPLETE LAYOUT.
 - ROPE CAULK.
 - J BEAD AND SEALANT.
 - 5/8" GYP. BD.
 - 1 1/2" OD PIPE SET IN 2" PIPE SLEEVE W/ ROCKITE.
 - THICKENED SLAB TO 8" DEEP/6" OUT ON SLEEVES.
 - 3/16" x 2 1/2" STEEL STRAP WELDED TO PIPE SLEEVE.
 - EXISTING H.M. DOOR TO BE REMOVED. EXISTING H.M. FRAME TO REMAIN.
 - 2" SOLID WHITE ONK RAIL W/ TOP OF RAIL POINTED UP 2" ABOVE FLOOR. HANG TOES OF RAIL IN TRUSS. HITCH TO FRAME W/ 3/8" CONCRETE SINK. SET SCREWS EACH END. HANG W/ ONK PLUGS. LIP ENDS OF RAIL COVER FINISH. FINISH 1/2" CLIP. SET. GLOSS POLYURETHANE.

ROOM FINISH SCHEDULE

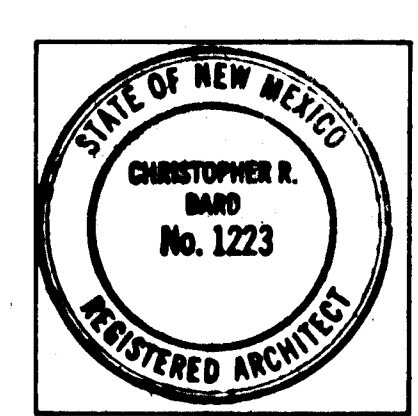
- FLOOR/BASE**
- QUARRY TILE/QUARRY TILE BASE.
 - CARPET/CARPET BASE.
 - VINYL TILE/4" COVED BASE.
 - EXPOSED BROOM FINISH CONC./4" VINYL BASE.
- WALLS**
- PAINTED CMU.
 - 5/8" GYPSUM BOARD. TYPE "X"
- CEILING**
- 5/8" GYPSUM BOARD. TYPE "X"

1	2	3	4	5	6	7	8	9	10	11	12
26	16	64	04	84							

DOOR SCHEDULE

NO.	SIZE	TYPE	FINISH	COOR.	LOC.	NOTE
1	3'0" x 7'0" x 1-3/4"	C	C	PAINT	X	1
2	3'0" x 7'0" x 1-3/4"	C	E	PAINT	X	2
3	PR. 2'6" x 7'0" x 1-3/4"	D	D	PAINT	X	3
4	3'0" x 7'0" x 1-3/4"	A	EXIST. HM	PAINT	X	4
5	3'0" x 7'0" x 1-3/4"	A	C	PAINT	X	5
6	3'0" x 7'0" x 1-3/4"	C	E	PAINT	X	6
7	3'0" x 7'0" x 1-3/4"	C	E	PAINT	X	6
8	2'8" x 7'0" x 1-3/4"	D	E	PAINT	X	6

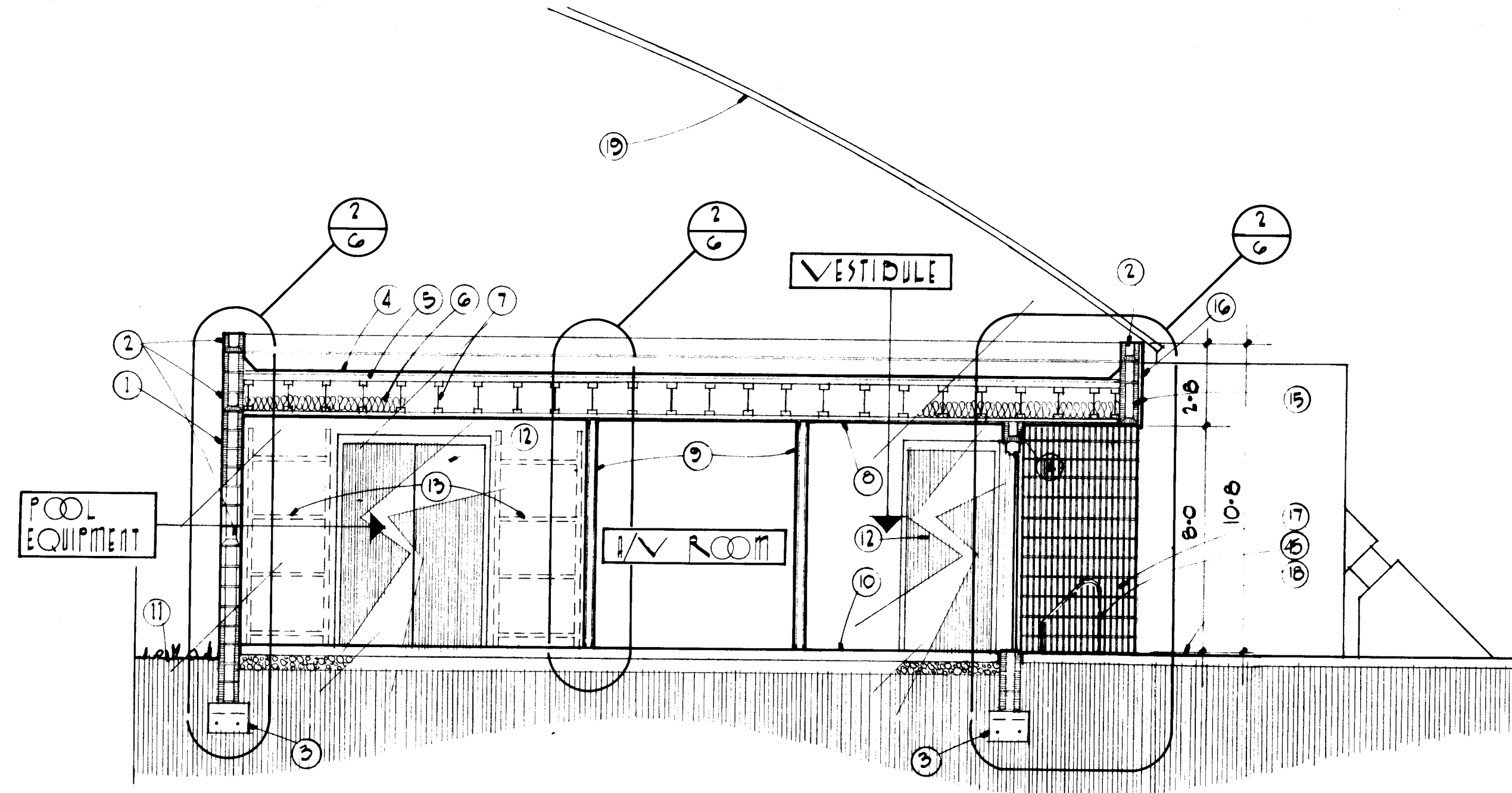
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Albuquerque, New Mexico
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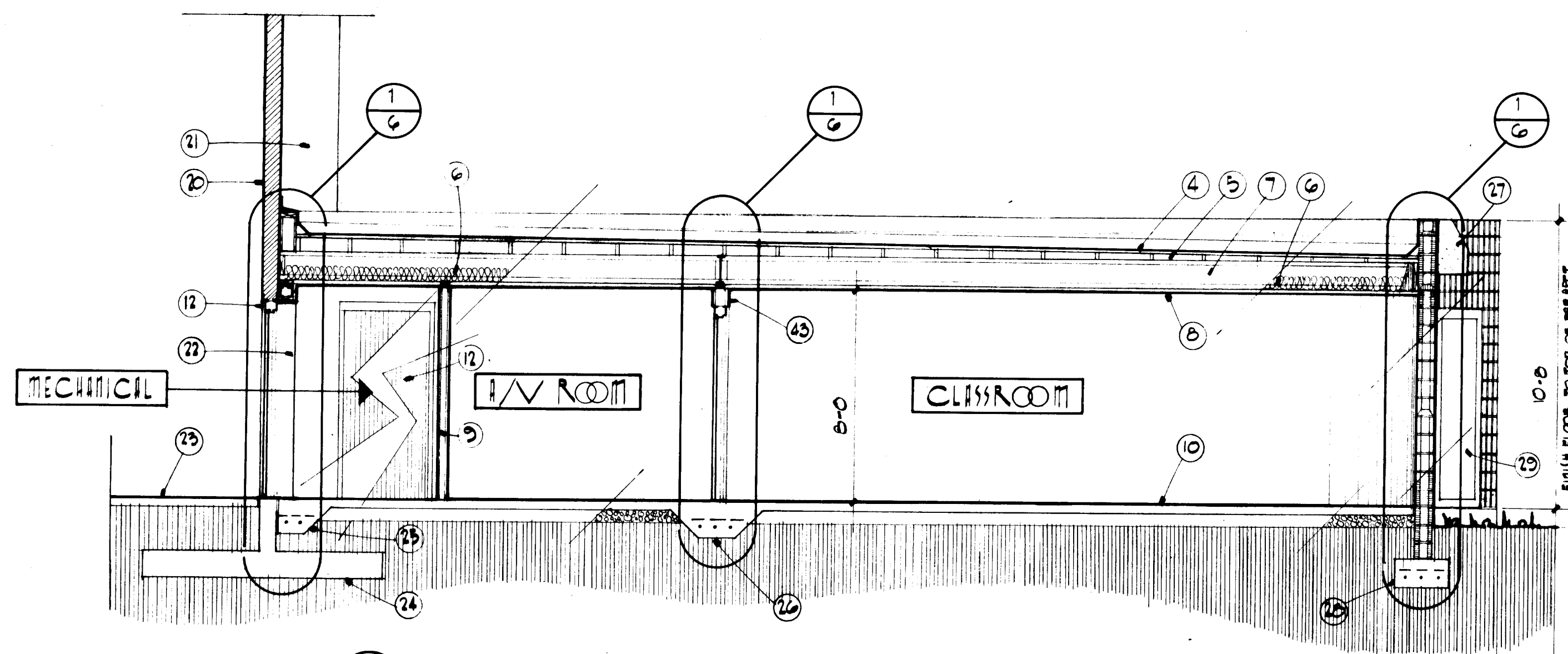
HIGHLAND SWIMMING POOL
CLASSROOM ADDITION
400 JACKSON SE
ALBUQUERQUE, NEW MEXICO
PROJECT NO. 1664

FLOOR PLAN
SCHEDULES
MISC. DETAILS

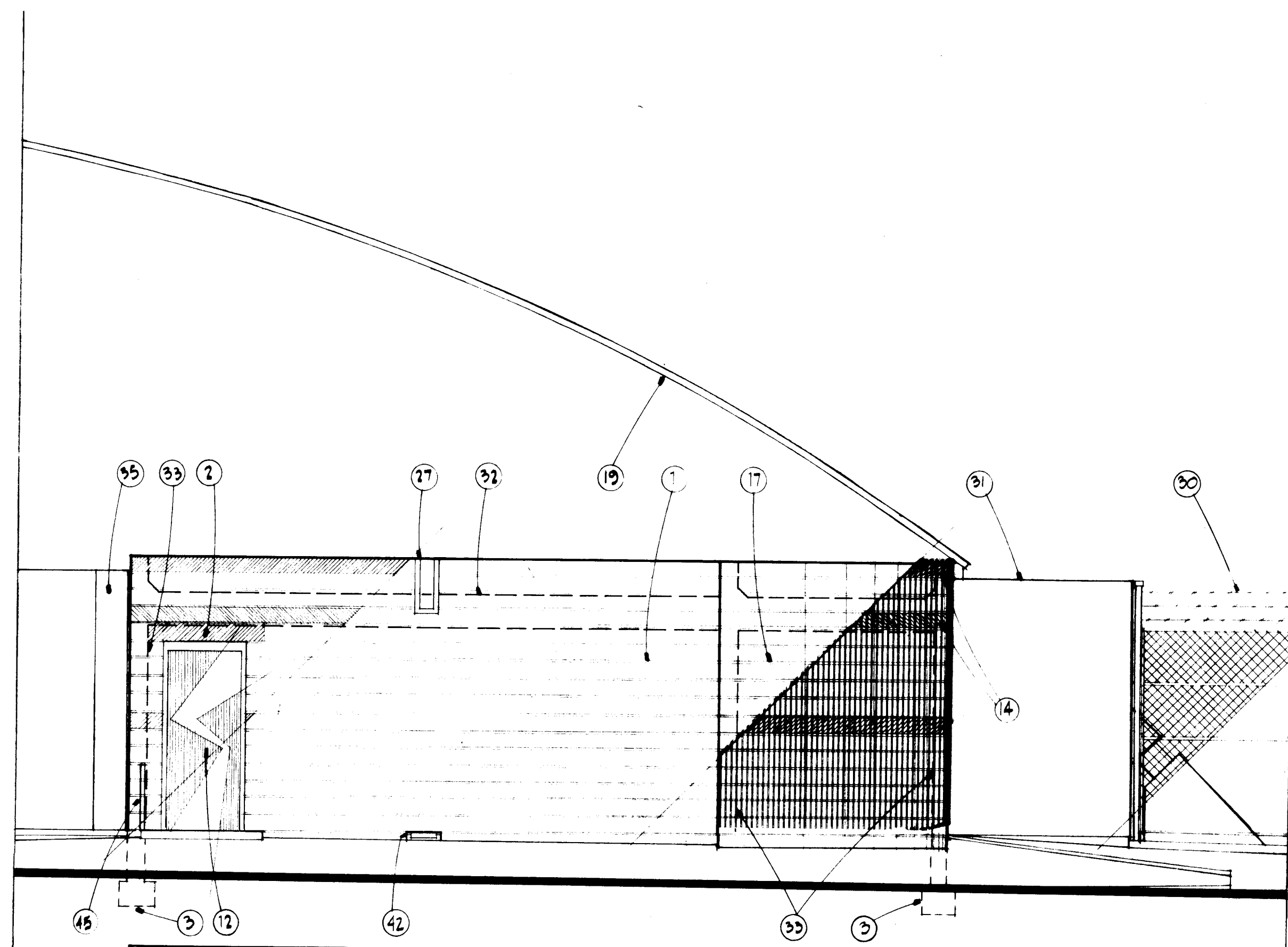
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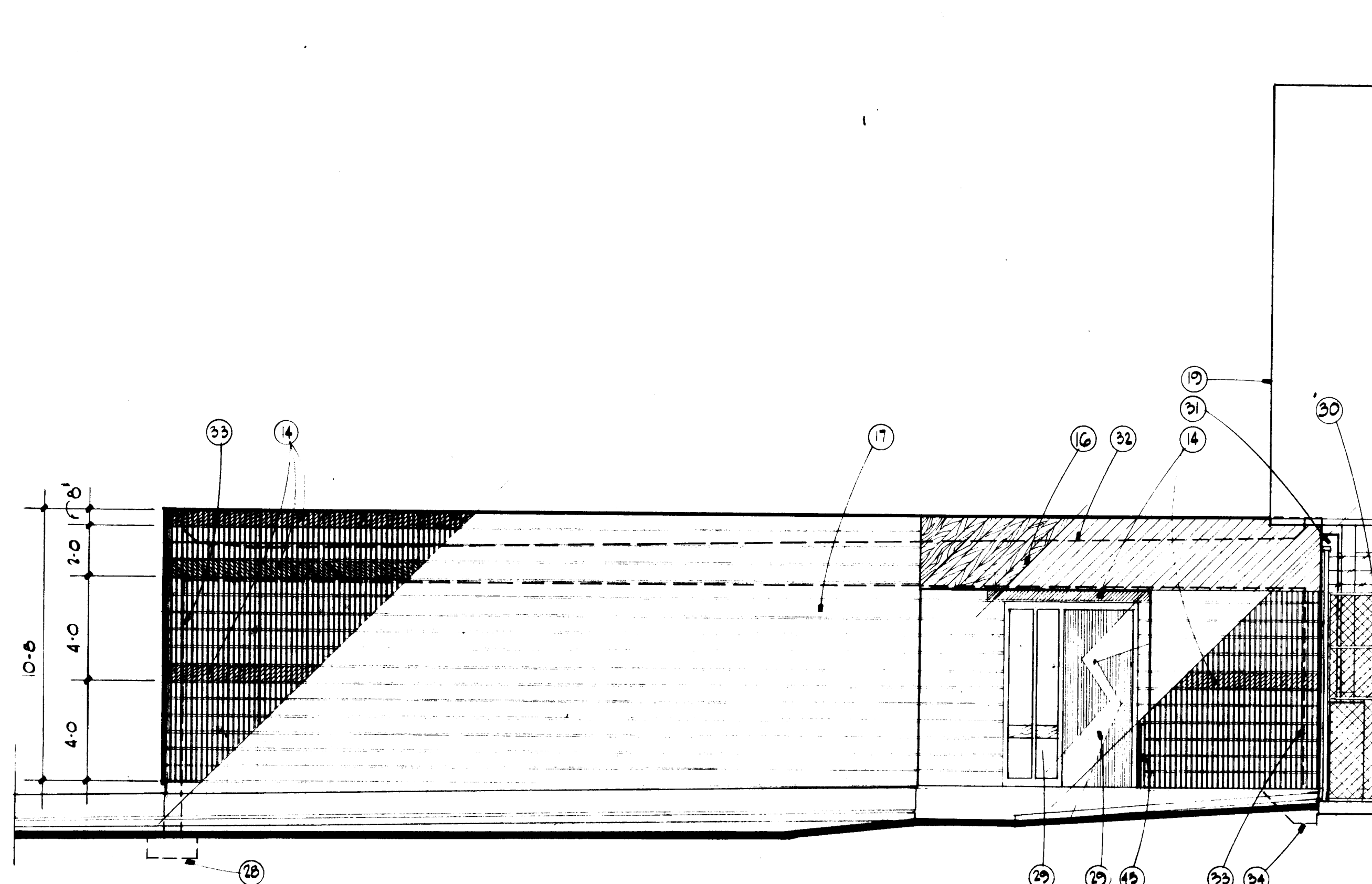
1/5 BUILDING SECTION 1/4" = 1'-0"



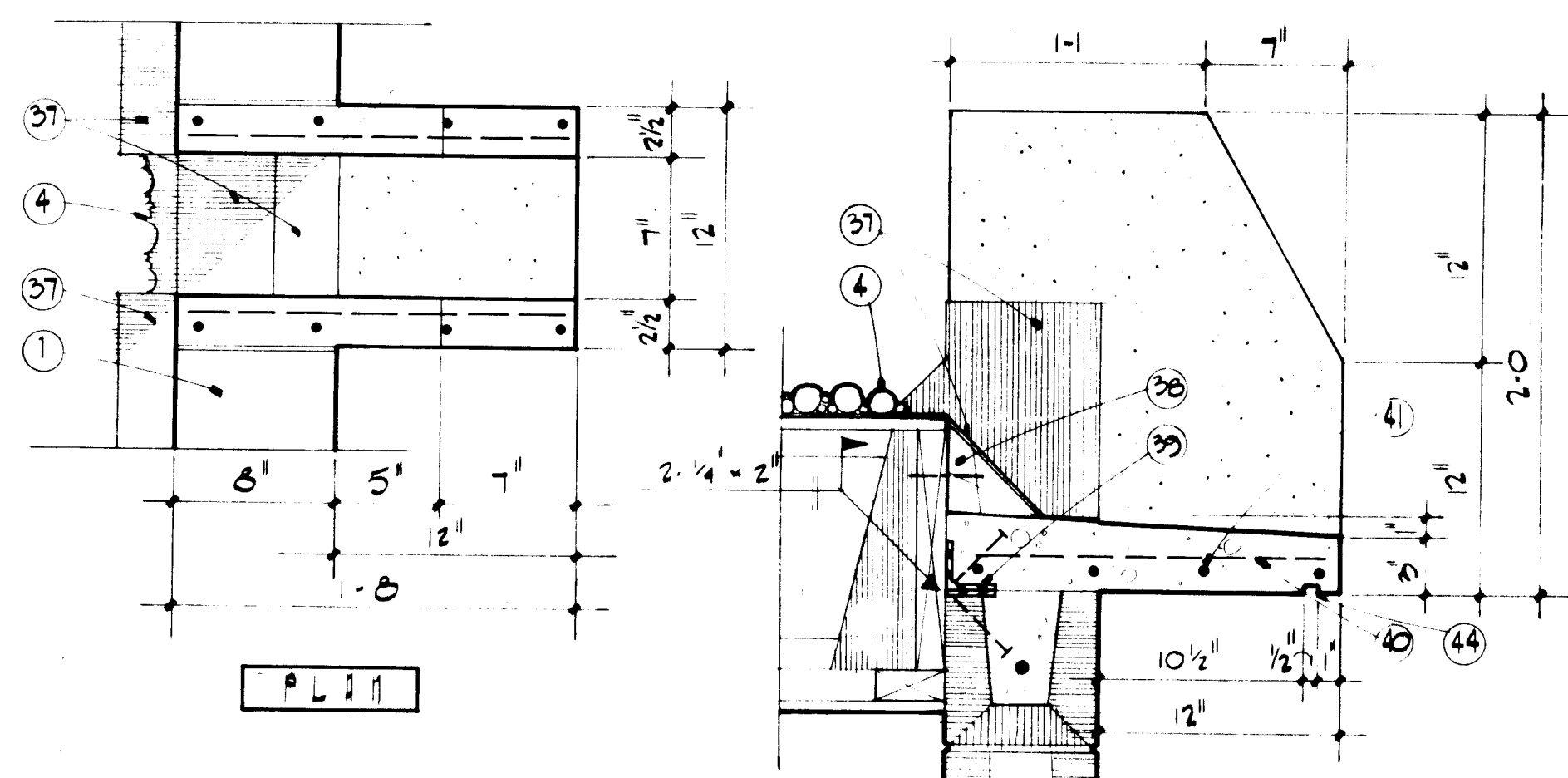
2/5 BUILDING SECTION 1/4" = 1'-0"



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

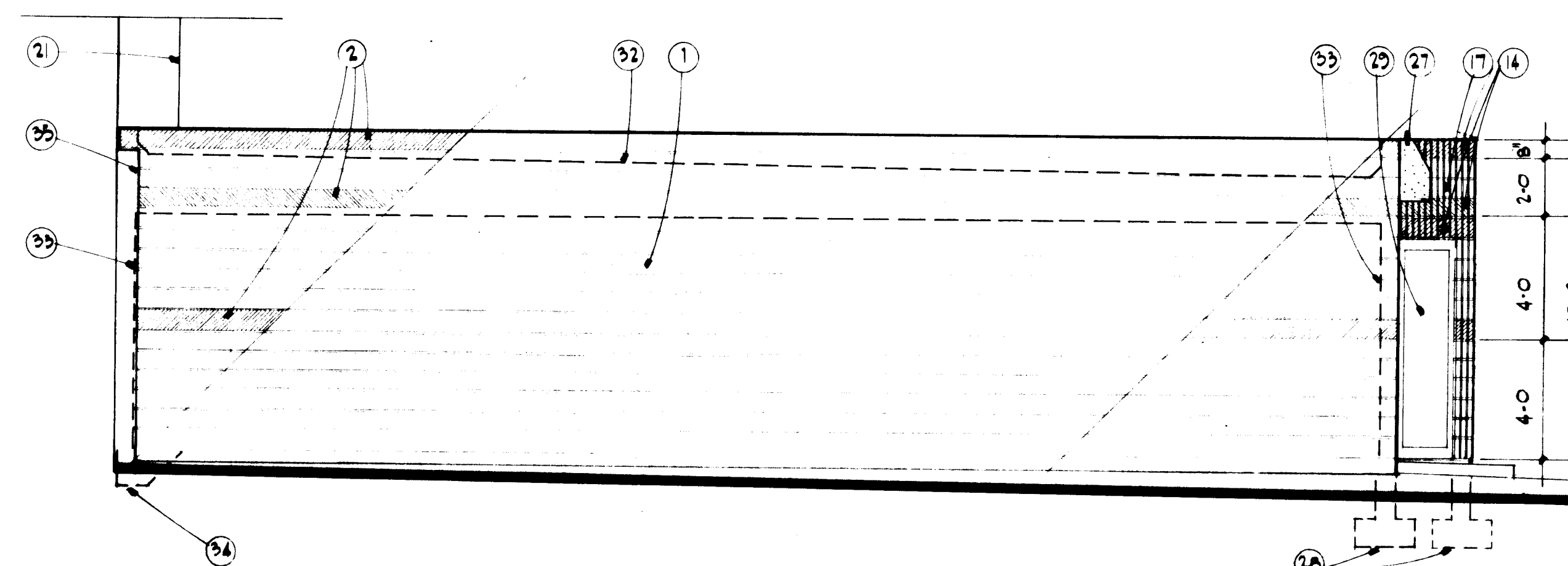


NORTH ELEVATION 1/4" = 1'-0"



3/5 CANALE DETAIL 1/2" = 1'-0"

SECTION



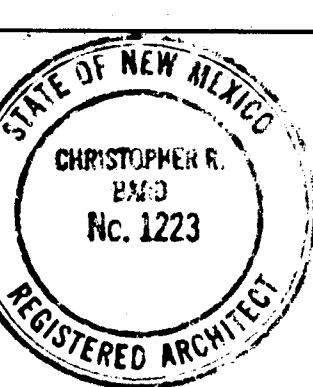
SOUTH ELEVATION 1/4" = 1'-0"

KEYED NOTES

- 8"x 8"x 16" SMOOTH FACE CMU WALL W/1 #5 VERTICAL @ 2'-8" O.C., BOND BEAMS W/1 #5 HORIZ. CONTIN. @ 4'-0" O.C. VERTICAL, AND DOWELL EVERY SECOND COURSE.
- 8"x 8"x 16" SMOOTH FACE CMU BOND BEAMS W/1 #5 HORIZ. CONTIN.
- 1'-4" WIDE x 10" DEEP CONC. FOOTING W/2 #5 HORIZ. CONTIN. & #4 @ 48" O.C. TRANSVERSE.
- GRAVEL SURFACE BUILT-UP ROOF/SEE SPECIFICATIONS.
- 5/8" CDX PLYWOOD DECKING ON 2x RIPPER @ 1'-4" O.C.
- 6" R-19 BATT INSULATION/SEE SPECIFICATIONS.
- 12" TJI-35 @ 1'-4" O.C.
- 5/8" TYPE "X" GYPSUM BOARD ON 2x4 RUNNERS @ 1'-4" O.C.
- 5/8" GYP. BD. ON 3-5/8" 25 GA. METAL STUDS @ 1'-4" O.C.
- 4" CONC. SLAB W/6x6 10/10 W.W.M./SEE FLOOR PLAN & ROOM FINISH SCHEDULE SHEET #4.
- GRADE/SEE GRADING & DRAINAGE PLAN SHEET #2.
- HOLLOW METAL DOOR AND FRAME/SEE DOOR SCHEDULE & TYPES SHEET #4.
- KAYAK RACKS/OWNER FURNISHED.
- 8"x 8"x 16" SPLIT/FLUTED CMU BOND BEAM W/1 #5 HORIZ. CONTIN.
- 8"x 16"x 8" DEEP SMOOTH CMU BOND BEAM W/2 #5 HORIZ. CONTIN.
- 1x6 T & G SELECT CLEAR HEART REDWOOD FASCIA ON 3/4" FURRING CHANNELS @ 1'-4" O.C./SEE DETAIL SHEET #6.
- 8"x 8"x 16" SPLIT/FLUTED CMU.
- 4" CONC. WALK W/6x6 10/10 W.W.M./SEE SITE PLAN FOR LOCATIONS.
- LINE OF EXISTING SWIMMING POOL BUILDING.
- EXIST. STRUCTURE.
- EXIST. ROOF BEYOND.
- 5/8" GYP. BD. ON 6", 18 GA. METAL STUDS @ 1'-4" O.C.
- EXIST. POOL DECK AREA.
- EXIST. FOOTING.
- TURN-DOWN EDGE/SEE DETAIL SHEET #6.
- THICKENED SLAB/SEE DETAIL SHEET #6.
- PRECAST CONC. CANALE/SEE DETAIL THIS SHEET.
- 2'-0" WIDE x 10" DEEP CONC. FOOTING W/3 #5 HORIZ. CONTIN. & #4 @ 48" O.C. TRANSVERSE.
- 4" LEXAN GLAZING IN HOLLOW METAL FRAME/SEE DOOR & WINDOW TYPES SHEET #4.
- EXISTING CHAIN LINK FENCE.
- EXISTING 8"x 8"x 16" SPLIT/FLUTED CMU WALL.
- LINE OF ROOF BEYOND.
- LINE OF INTERIOR FACE OF WALL BEYOND.
- LINE OF TURN DOWN EDGE BEYOND.
- LINE OF PILASTER @ EXISTING BUILDING.
- DELETE.
- 25 GA. GALV. IRON FLASHING/SET IN FULL BED OF PLASTIC CEMENT.
- 45° ANGLE SOLID BLOCK CANT @ CANALE/LAG BOLT TO 2x12 LEDGER W/1/4" DIAMETER x 5" LAG BOLTS/TOTAL OF 2 LAG BOLTS.
- 3"x 3"x 3/4" ANGLE W/1/2" x 3/4" ANCHOR STUDS CAST IN PRECAST CANALE/WELD ANGLE TO 3/4" x 12"x 1/4" STEEL PLATE W/1/2" x 3/4" ANCHOR STUDS CAST IN BOND BEAM @ CANALE ENDS.
- 3 #3's.
- 4 #3's.
- PRECAST CONCRETE SPLASH BLOCK. SEE DETAIL 3/6.
- 5/8" GYP. BD. ON 6", 18 GA. METAL STUDS @ 1'-4" O.C.
- Drip Groove.
- HOLLOW METAL DOOR STOP SEE DETAIL SHEET #4

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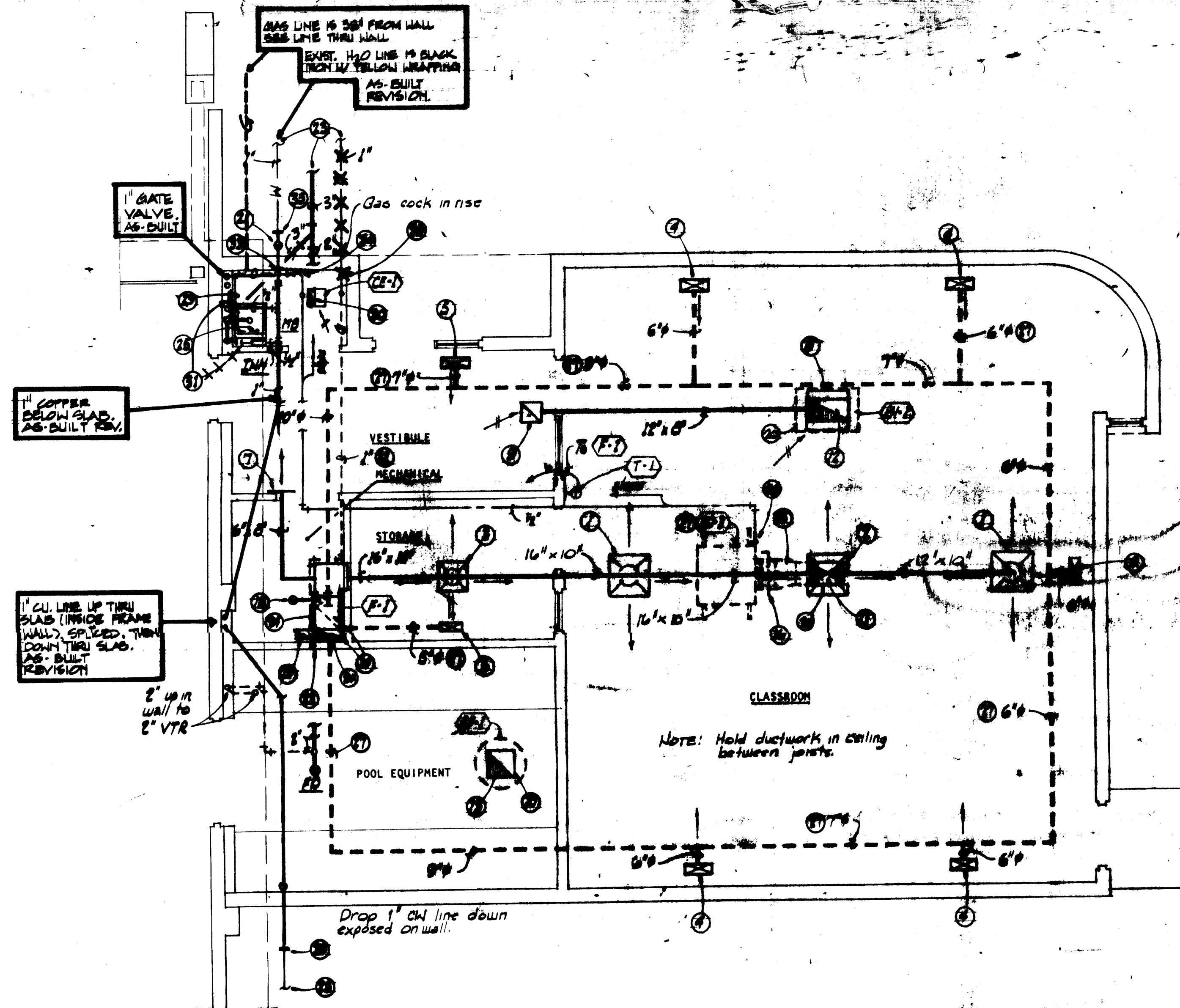
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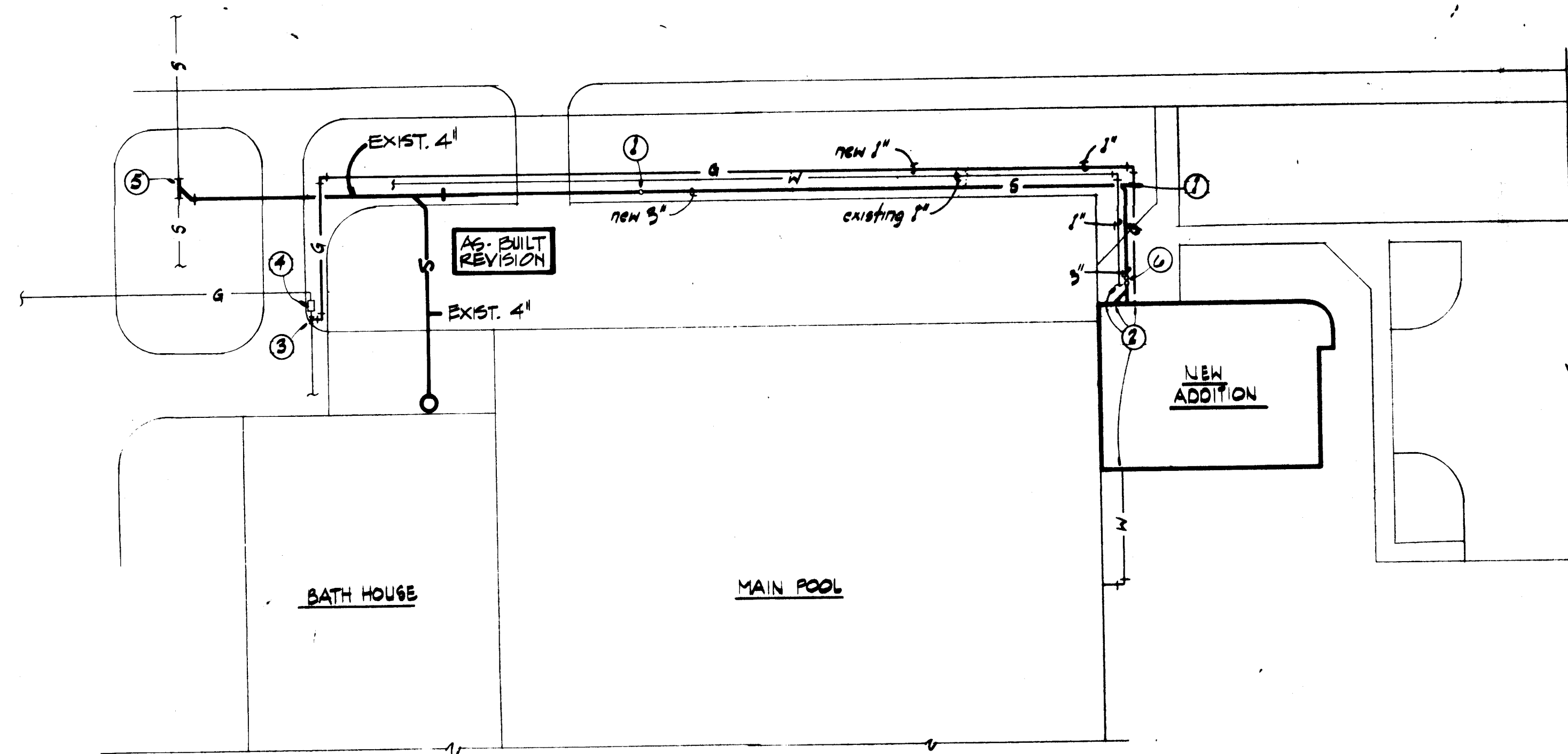
HIGHLAND SWIMMING POOL
CLASSROOM ADDITION
400 JACKSON SE
ALBUQUERQUE, NEW MEXICO
PROJECT NO. 1664
BUILDING SECTIONS
BUILDING ELEVATIONS

SHEET

5



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



UTILITY SITE PLAN
SCALE: 1" = 20'

GENERAL NOTES

- FOR APPROVED DIFFUSER CONNECTION, SEE DETAIL 6/8 5/8
- FOR APPROVED DUCT CONNECTION, SEE DETAIL 6/8 5/8
- COORDINATE THE LOCATION OF ALL DUCT PENETRATIONS THRU THE ROOF WITH THE STRUCTURAL SYSTEM.
- INSTALL THERMOSTAT 7'-6" ABOVE FINISH FLOOR WITH KENAL MODEL TG-2 THERMOSTAT GUARD WITH CLEAR INJECTION MOLDED MERCULEX COVER WITH TAMPER PROOF SCREWS AND METAL BACK FRAME.
- FLEXIBLE DUCT RUNOUTS TO DIFFUSERS SHALL BE MAXIMUM 5'-0" IN LENGTH.
- PRIOR TO BID OR ANY CONSTRUCTION, THIS CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT LOCATION OF ALL EXISTING CONNECTIONS AND SHALL INCLUDE IN THE BASE BID ALL OFFSETS AND FIELD ADJUSTMENTS AS REQUIRED. ANY DISCREPANCIES BETWEEN THIS PLAN AND THE ACTUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT FOR THE PROPER DIRECTION TO BE TAKEN.
- AT THE CONTRACTORS OPTION, TESTING AND BALANCING MAY BE PERFORMED BY A QUALIFIED GRADUATE OF THE LOCAL ASHRAE TEST AND BALANCE SCHOOL FOR THE HIGHLAND SWIMMING POOL ADDITION ONLY.

KEYED NOTES

- D-1, DIFFUSER, 18" X 18" NECK, 720 CFM, 3-WAY THROW.
- D-1, DIFFUSER, 18" X 18" NECK, 720 CFM, 4-WAY THROW.
- D-1, DIFFUSER, 9" X 9" NECK, 190 CFM, 4-WAY THROW.
- FR-1, FLOOR REGISTER, 6" X 14", 110 CFM.
- FR-1, FLOOR REGISTER, 6" X 14", 100 CFM.
- FR-1, FLOOR REGISTER, 4" X 10", 50 CFM.
- SR-1, SUPPLY REGISTER, 16" X 8", 310 CFM.
- EG-1, EGG CRATE GRILLE, 24" X 24".
- EG-1, EGG CRATE GRILLE, 12" X 12".
- ER-1, EXHAUST REGISTER, 16" X 16", 530 CFM.
- 16" X 14" SUPPLY DUCT THRU ROOF, TRANSITION TO 12" X 10" AND, 16" X 10", AND EXTEND AS INDICATED.
- 24" X 14" RELIEF DUCT THRU ROOF TO RELIEF HOOD, RH-1, WITH 24" X 14" THROAT.
- 16" X 16" EXHAUST DUCT THRU ROOF TO EXHAUST FAN, EF-1.
- 16" X 10" RETURN DUCT TRANSITIONS TO 16" X 16" IN ELBOW, COMBINE THE 16" X 16" RETURN DUCT AND A 16" X 4" OUTSIDE AIR DUCT FROM GOOSENECK ON ROOF INTO 16" X 20" RETURN DUCT TO FURNACE, F-1. SEE GOOSENECK DETAIL. INSTALL HD-1 IN OUTSIDE AIR INTAKE ABOVE ROOF.
- TRANSITION 18" X 18" SUPPLY DUCT TO 16" X 14" AND EXTEND THRU ROOF.
- INSTALL SLIDE DAMPER IN SUPPLY DUCT ABOVE ROOF, EXTEND AND CONNECT TO EVAPORATIVE COOLER WITH FLEXIBLE CONNECTION.
- INSTALL EVAPORATIVE COOLER ON 4" X 4" TREATED WOOD SKIDS TO SPAN FOUR JOISTS AS INDICATED. SEE DETAIL 1/8 7/8
- 5" DIAMETER FLUE THRU ROOF, SEE DETAIL 7/8 8/8
- 8" X 6" COMBUSTION AIR DUCT FROM GOOSENECK, EXTEND FROM ROOF TO 6" ABOVE FINISHED FLOOR, SEE DETAIL 8/8 9/8
- INSTALL SECURITY BARS AT ROOF PENETRATION. SEE DETAIL 4/8 5/8
- VALVE IN BOX, SEE DETAIL 4/8 5/8
- EXTEND AND CONNECT 1" GAS LINE TO FURNACE WITH GAS COCK AND UNION.
- FOR CONTINUATION OF PIPING, SEE SITE PLAN SHEET 7.
- INSTALL HAND DAMPER, HD-1, WITH LOCKING QUADRANT IN 16" X 16" AND 16" X 4" DUCTS, EXTEND AND CONNECT 20" X 16" RETURN DUCT TO FURNACE WITH FLEXIBLE CONNECTION.
- OFFSET 1-1/2" VENT LINE IN CEILING SPACE AND EXTEND THRU ROOF TO 2" VTR.
- 1" GAS LINE UP ABOVE GRADE. INSTALL SHUT-OFF VALVE IN RISE AND EXTEND UP IN WALL, OFFSET AND EXTEND THRU ROOF IN PITCH PAN FILLED WITH NON-HARDENING MASTIC.
- DUCTWORK BELOW SLAB, SEE DETAIL 2/8 3/8
- 1/2" CW LINE THRU ROOF IN PITCH PAN FILLED WITH NON-HARDENING MASTIC. INSTALL HOSE BIBB, HB, ABOVE ROOF AND EXTEND 1/4" CW LINE TO EVAPORATIVE COOLER FROM HB WITH SHUT-OFF VALVE.
- EXTEND 1/2" DRAIN LINE TO MB AND TURN DOWN.
- 10" X 3-1/4" EXHAUST DUCT THRU ROOF TO GOOSENECK, SEE DETAIL 8/8 9/8
- EXTEND 1/2" HW LINE FROM IMH TO MB.
- INSTALL PIPING ON ROOF ON 4" X 4" X 12" TREATED WOOD SKIDS 8'-0" O.C. STRAP PIPE TO SKID WITH SPACE FOR EXPANSION TRAVEL.
- EXTEND 1" CW LINE UP ON WALL TO CEILING SPACE AND EXTEND AS INDICATED.
- 1/2" CW LINE TEES TO 1/2" CW LINE UP ON WALL THRU ROOF TO EVAPORATIVE COOLERS AND 1/2" DRAIN LINE WITH SHUT-OFF VALVE TO MB.
- CONNECT NEW 1" WATER LINE TO EXISTING 1" WATER LINE, ABANDON EXISTING WATER LINE UNDER NEW STRUCTURE. VERIFY LOCATION AT THE SITE.

SITE PLAN KEYED NOTES

- ONE-WAY CLEANOUT TO GRADE, SEE DETAIL 3/8 5/8
- FOR CONTINUATION OF PIPING, SEE FLOOR PLAN THIS SHEET.
- CONNECT NEW 1" GAS LINE TO EXISTING 4" GAS LINE FROM DISCHARGE OF EXISTING GAS METER. VERIFY LOCATION AT THE SITE.
- VERIFY THE SIZE OF THE EXISTING GAS METER FOR AN ADDITIONAL 75 CFM DEMAND. IF NO EXISTING GAS METER, NEW 1" GAS METER SHALL BE INSTALLED BY CONTRACTOR. ALL CONNECTIONS TO EXISTING GAS METER SHALL BE MADE BY CH. CO. INT.
- CONNECT NEW 6" SEWER LINE TO EXISTING 8" SEWER LINE AT CLEANOUT. APPROXIMATE INVERT ELEVATION OF SEWER LINE = 18.5. VERIFY LOCATION & ELEVATION AT THE SITE.
- TWO-WAY CLEANOUT TO GRADE, SEE DETAIL

AS-BUILT REVISIONS
10-24-84

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Fanning / Bard
Architects AIA

110 Amherst Drive SE
Albuquerque, New Mexico
87106 (505) 266-5874

STATE OF NEW MEXICO
REGISTERED ARCHITECT
CHRISTOPHER R. BARD
No. 1223

HIGHLAND SWIMMING POOL
CLASSROOM ADDITION

400 JACKSON SE
ALBUQUERQUE, NEW MEXICO
PROJECT NO. 1664

MECHANICAL
FLOOR PLAN

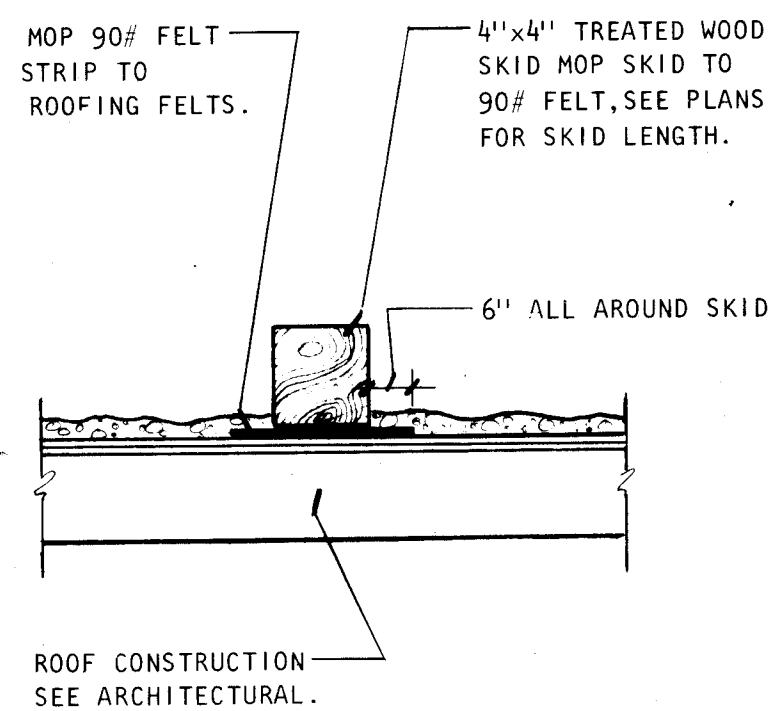
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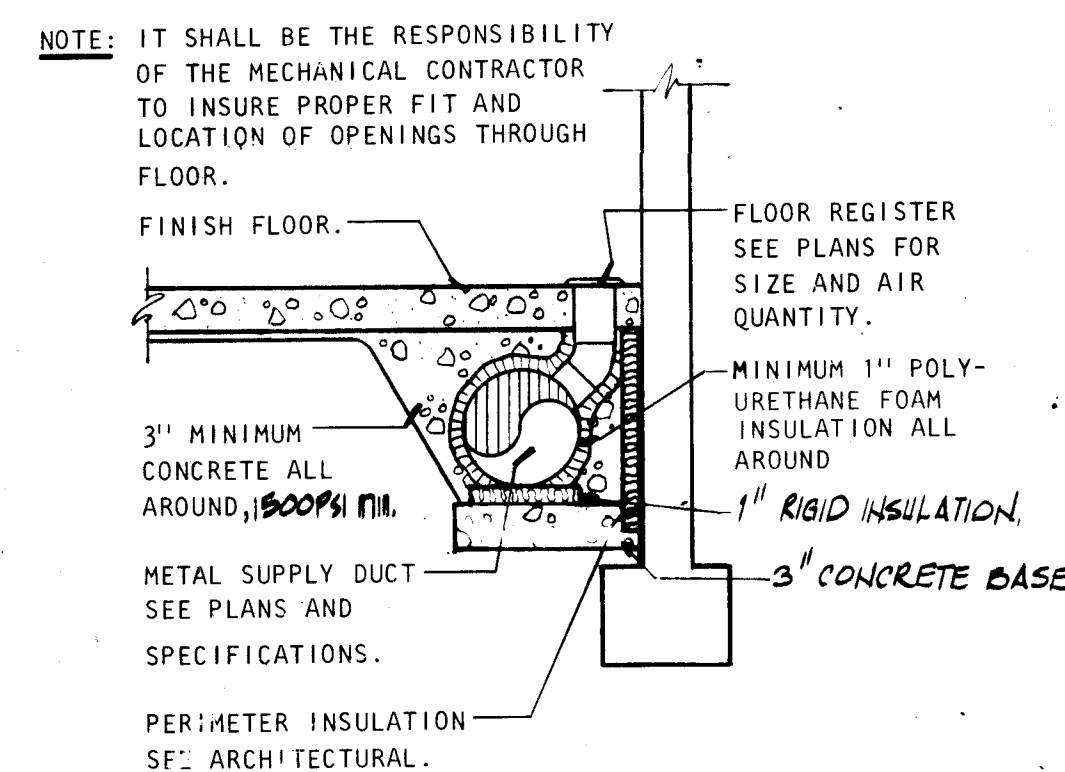
7

OF 9

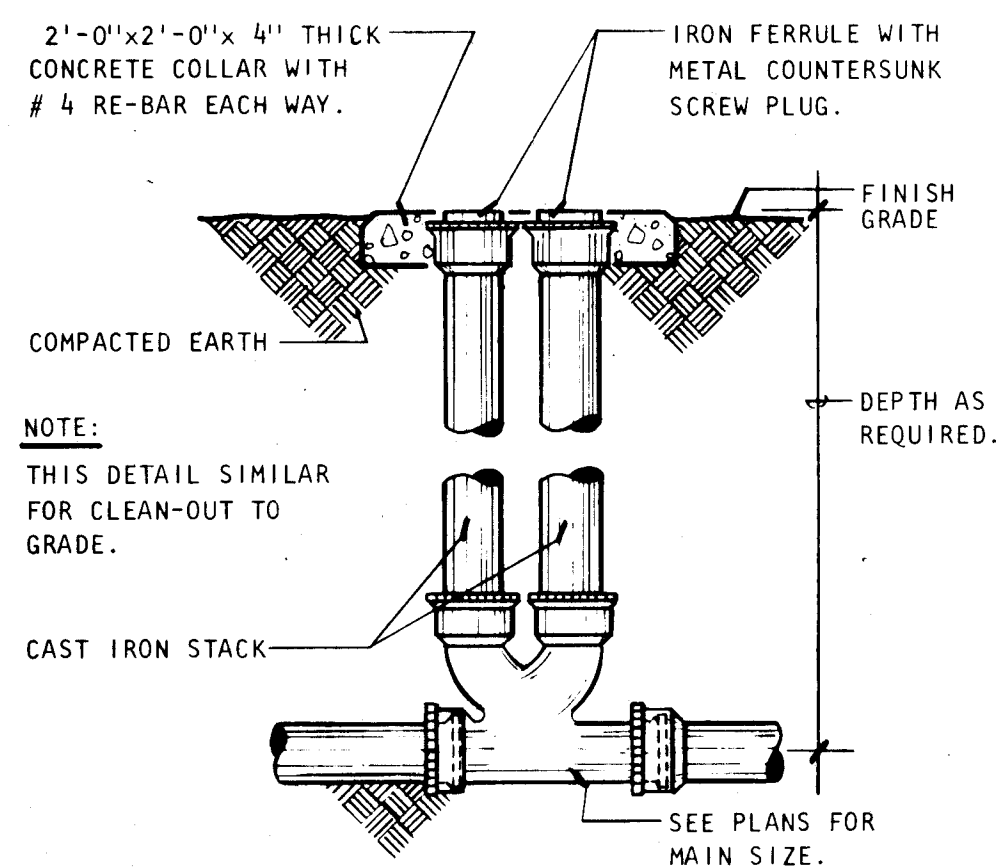
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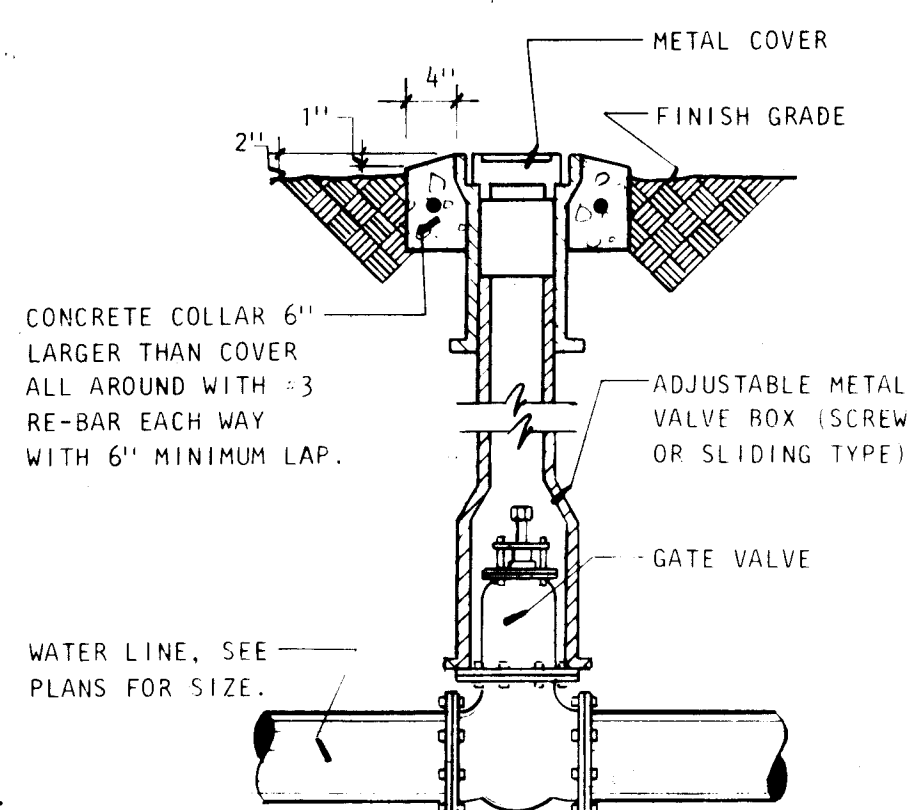
EQUIPMENT SKID DETAIL
SCALE: NONE



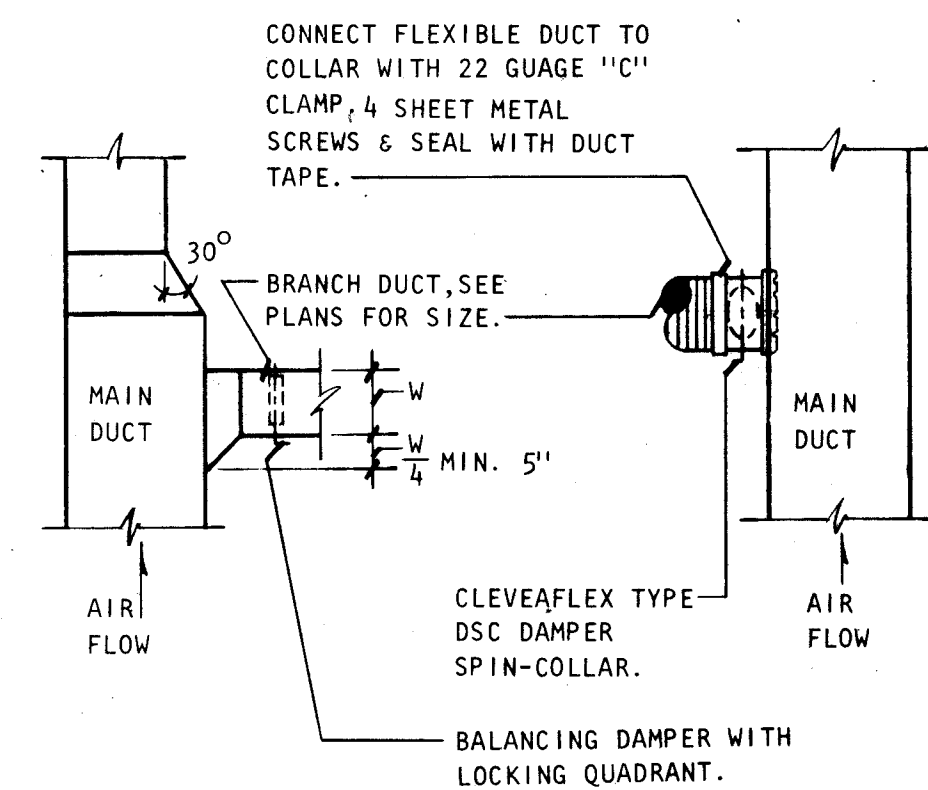
UNDERFLOOR DUCT DETAIL
SCALE: NONE



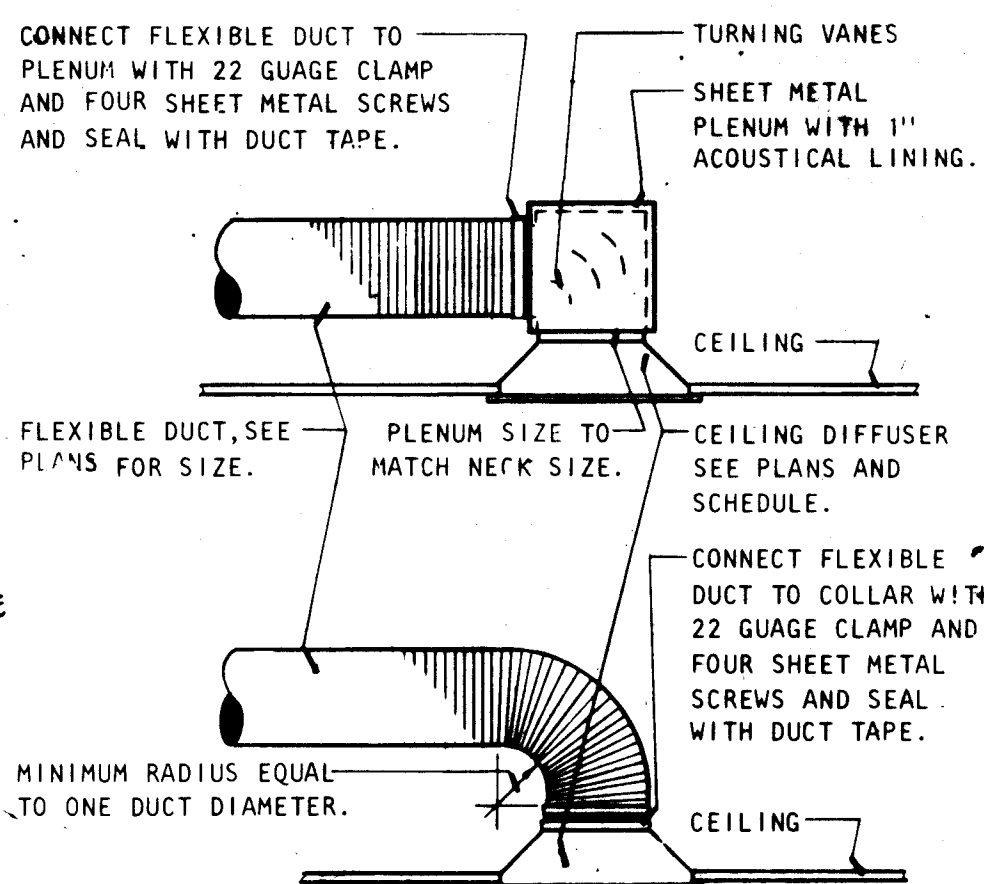
CLEANOUT DETAIL
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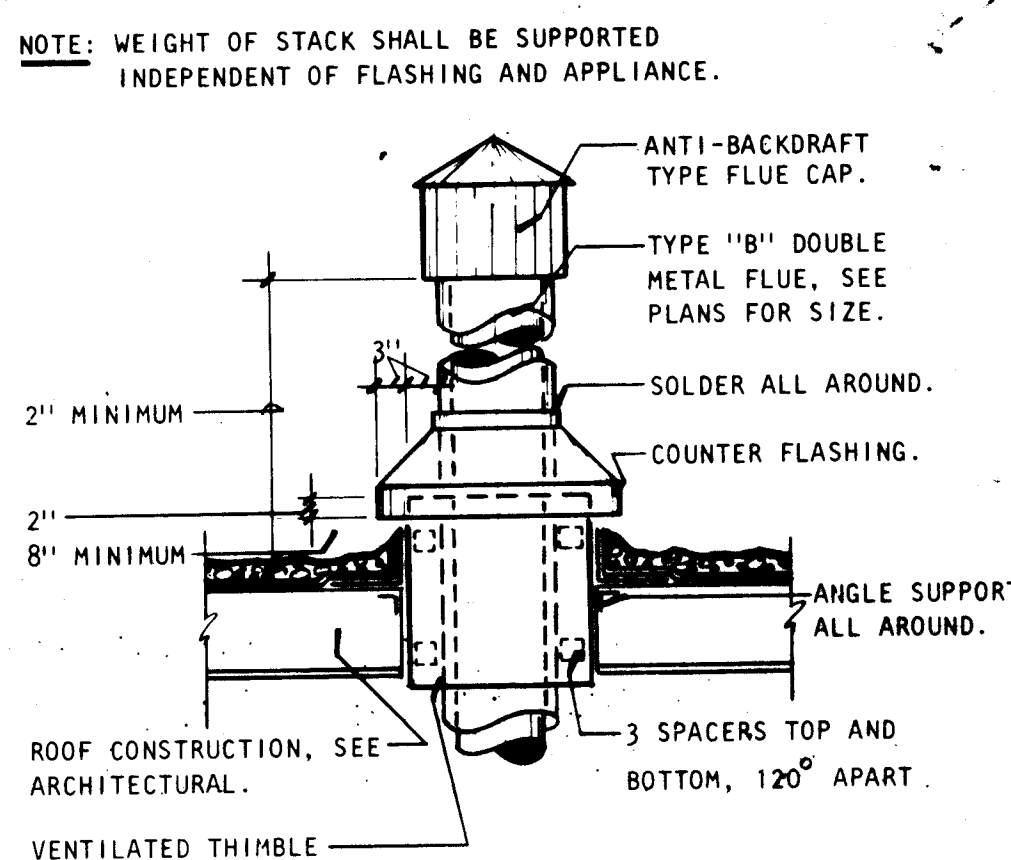
VALVE IN BOX DETAIL
SCALE: NONE



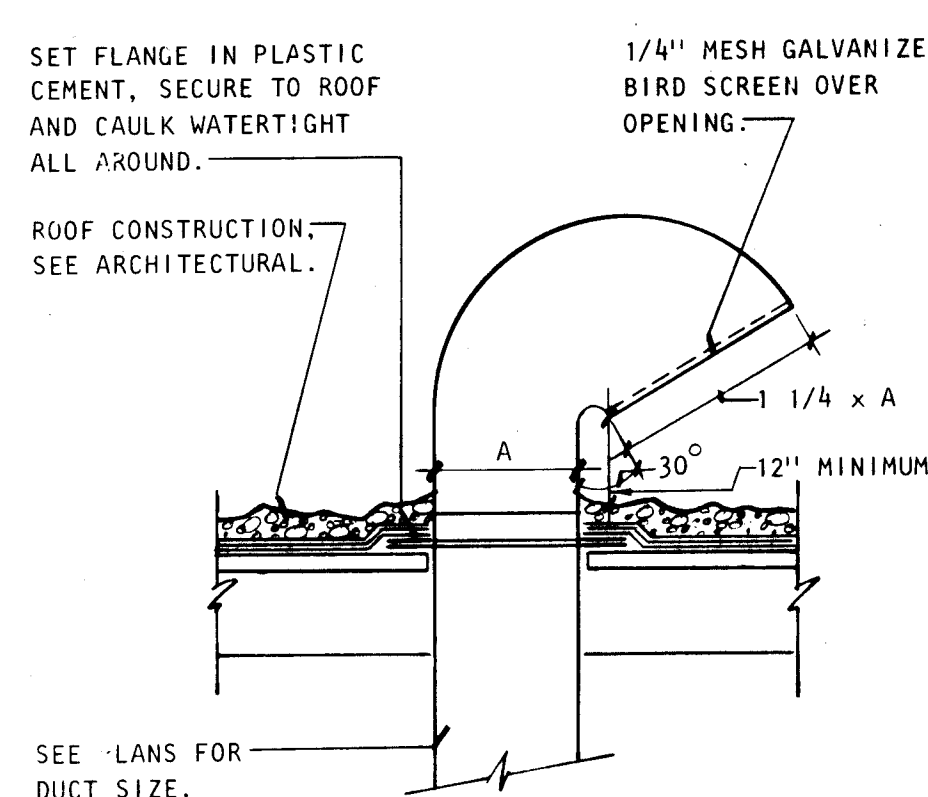
DUCT CONNECTION DETAIL
SCALE: NONE



DIFFUSER CONNECTION DETAIL
SCALE: NONE

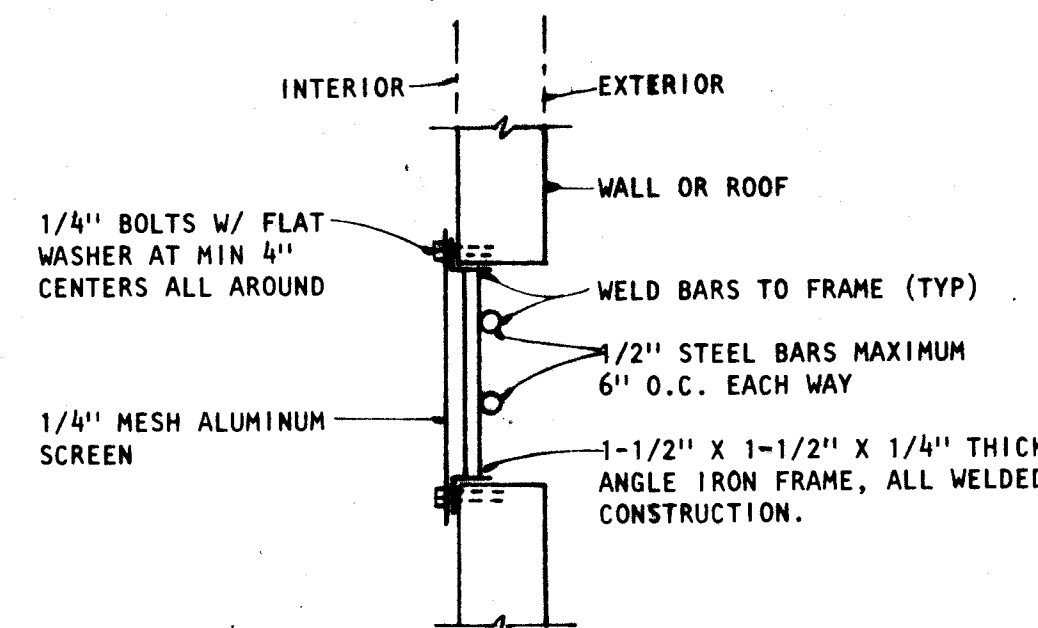


FLUE THRU ROOF DETAIL
SCALE: NONE



GOOSENECK DETAIL
SCALE: NONE

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
---	COLD WATER LINE.
---	VENT PIPING.
-S-	SOIL LINE.
-G-	GAS LINE.
-W-	WATER LINE (EXTERIOR).
-D-	DRAIN LINE.
VTR	VENT THRU ROOF.
HD	HAND DAMPER.
FC	FLEXIBLE CONNECTION.
HB	HOSE BIBB.
+	GATE VALVE.
+	BALANCING OR PLUG COCK.
⊕	ELECTRIC THERMOSTAT.
---	RIGID DUCTWORK.
---	FLEXIBLE DUCTWORK.



SECURITY BAR DETAIL
SCALE: NONE

EQUIPMENT SCHEDULE	
SYMBOL	DESCRIPTION
EC-1	EVAPORATIVE COOLER: PACKAGE TYPE ROOFTOP UNIT, WITH CABINET, BLOWER HOUSING, AND CENTRIFUGAL FAN CONSTRUCTED OF HOT DIPPED GALVANIZED STEEL WITH BLOWER HOUSING AND MOTOR MOUNTS TREATED WITH A RUST INHIBITING UNDERCOATING. WATER RESERVOIR SHALL BE OF #8 GAUGE STEEL WITH WELDED SEAMS WITH THE INTERIOR TREATED WITH A RUST INHIBITING UNDERCOATING. THE AIR HANDLING UNIT SHALL BE A FORWARD CURVED CENTRIFUGAL FAN, STATICALLY BALANCED, WITH BLADES CONSTRUCTED OF #8 GAUGE STEEL, WITH SELF OILING, SELF ALIGNING BEARINGS. THE MOTOR SHALL BE MOUNTED ON AN ADJUSTABLE RESILIENT BASE WITH AN ADJUSTABLE V-BELT MOTOR SHIEVE. THE EVAPORATIVE MEDIA SHALL BE WHITE ASPEN WOOD FIBERS ENCLOSED IN MESH NETTING, CHEMICALLY TREATED, MOUNTED IN A METAL FRAME BY A RETAINER GRID. WATER SHALL BE DISTRIBUTED TO PADS THROUGH BUTYRATE PLASTIC CONDUIT WITH A PLASTIC HOUSED CENTRIFUGAL PUMP WITH WATER METERED WITH A FLOAT VALVE. FURNISH COOLER WITH WINTERIZING SHEET METAL PANELS, WITH SHEET METAL SCREWS. PANELS SHALL HAVE AIR TIGHT FOAM RUBBER GASKETS GLUED TO THE SHEET METAL PANELS. UNIT SHALL BE U.L. LISTED WITH THE FOLLOWING CAPACITIES: EC-1 ARTIC CIRCLE MODEL AS430A CAPABLE OF 2650/1750 CFM AT 3/8" WATER GAUGE STATIC PRESSURE WITH 1/2 HP, 115 V., 1 PHASE, 2-SPEED MOTOR.
F-1	FURNACE: NATURAL GAS-FIRED FORCED AIR FURNACE COMPLETE WITH GAS-FIRED HEATING SECTION, BLOWER, MOTOR AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING SYSTEM. ACCESSORIES SHALL INCLUDE AUTOMATIC GAS CONTROL VALVE, MANUAL SHUT-OFF VALVE, FAN CONTROL RELAY, AIR FILTER AND RACK, GAS PRESSURE REGULATOR, AUTOMATIC RESET LIMIT CONTROL, LOW VOLTAGE TRANSFORMER AND ROOM THERMOSTAT FAN SWITCH. COMPLETE WITH SPARK IGNITION PILOT. F-1 DAY & NIGHT MODEL 396G-000075 DOWNFLOW CAPABLE OF 45,240 BTUH OUTPUT AT 5310 FEET ELEVATION WITH 75,000 BTUH SEA LEVEL INPUT. FAN SECTION SHALL BE CAPABLE OF 700 CFM AT 4" EXTERNAL STATIC PRESSURE WITH A 1/10 H.P., 115 VOLT, SINGLE PHASE MOTOR. UNIT SHALL BE ORIFITTED FOR ALTITUDE.
EF-1	EXHAUSTER: CENTRIFUGAL ROOF EXHAUSTER COMPLETE WITH BLOWER, MOTOR, HOUSING, BACKDRAFT DAMPER BIRDSCREEN, AND PREFABRICATED CURB. UNIT SHALL HAVE A SPUN ALUMINUM HOUSING, ALUMINUM CURB CAP WITH STAINLESS STEEL FASTENINGS, VIBRATION ISOLATORS, NON-OVERLOADING ALL ALUMINUM BLOWER WHEEL AND HUB DYNAMICALLY AND STATICALLY BALANCED, EXTERNAL ALUMINUM WIRING POST, COMPLETELY FACTORY ASSEMBLED AND WIRED TO JUNCTION BOX. BELT DRIVE UNITS SHALL HAVE VARIABLE PITCH MOTOR PULLEYS. EF-1 ACME MODEL P13503 CAPABLE OF 530 CFM AT .25" W.G. STATIC PRESSURE WITH 1/6 HP., 120 V., 1 PHASE BELT DRIVE MOTOR.
CE-1	CEILING EXHAUSTER: THE FAN HOUSING SHALL BE CONSTRUCTED OF PHOSPHATIZED STEEL WITH A BAKED ENAMEL FINISH, WITH 1/2" THICK ACOUSTICAL LINING. THE DISCHARGE OUTLET SHALL BE ADAPTABLE TO HORIZ. OR VERTICAL POSITION. THE UNIT SHALL BE COMPLETE WITH ELECTRICAL TERMINAL BOX, FORWARD CURVED CENTRIFUGAL BLOWER WITH VIBRATION ISOLATORS, ALUMINUM GRILLE, AND BACKDRAFT DAMPER. CE-1 ACME MODEL V-100, CAPABLE OF EXHAUSTING 90 CFM AT .25" W.G. STATIC PRESSURE WITH .7 AMP, 120 V., 1 PHASE MOTOR, WITH A MAXIMUM SOUND RATING OF 2.9 SONES OBTAINED IN ACCORDANCE WITH AMCA STANDARD 300.
D-1	DIFFUSER: PERFORATED FACE WITH FRAME STYLE SUITABLE FOR TYPE OF CEILING USED. THE DIFFUSER FACE PLATE SHALL HAVE CONCEALED HINGES AND LATCHES, REMOVABLE FROM THE FRAME, CAPABLE OF 1-WAY, 2-WAY, 3-WAY OR 360 DEGREE CEILING PATTERN WITH HIGH ANTI-SHUDGE CHARACTERISTICS WITH CENTER ASPERATION. UNIT SHALL HAVE AN OPPOSED BLADE DAMPER FASTENED TO THE DEFLECTION CORE REMOVABLE AS A UNIT THRU THE FACE. THE UNIT SHALL BE ALL STEEL CONSTRUCTION WITH A WHITE BAKED ENAMEL FINISH, WITH AN NC LEVEL LESS THAN 20 FOR ALL SIZES. D-1 SHALL BE SUITABLE FOR LAY-IN TEE-BAR CEILING. KRUEGER SERIES 1100 WITH FRAME 23.
SR-1	SUPPLY REGISTER: DOUBLE DEFLECTION WITH VERTICAL FRONT AND HORIZONTAL REAR DEFLECTION VANES SPACED ON 3/4" CENTERS INDIVIDUALLY ADJUSTABLE WITHOUT THE USE OF SPECIAL TOOLS AND AN OPPOSED BLADE DAMPER ADJUSTABLE THROUGH THE FACE, ALL ALUMINUM CONSTRUCTION WITH A METALLIC GREY 120 FINISH, AND SPONGE RUBBER GASKET. KRUEGER SERIES 5880-H.
EG-1	EGG CRATE GRILLE: KRUEGER SERIES EGC-5, SQUARE PATTERN SUITABLE FOR GYPBOARD CEILING, ALL EXTRUDED ALUMINUM CONSTRUCTION WITH A FIXED CORE OF 1/2" x 1/2" x 1/2" DEEP SQUARES, NECK SIZE AS INDICATED ON THE DRAWINGS.
FR-1	FLOOR REGISTER: HART & COOLEY SERIES 421, STEEL CONSTRUCTION, COMPLETE WITH OBD, SIZE AS SHOWN ON PLANS.
ER-1	EXHAUST REGISTER: SURFACE INSTALLATION, ALL ALUMINUM CONSTRUCTION WITH STATIONARY VANES SPACED ON 1/2" CENTERS SET AT A 35 DEGREE ANGLE TO RESTRICT VISION, COMPLETE WITH AN OPPOSED BLADE DAMPER ADJUSTABLE THROUGH THE FACE, SPONGE RUBBER GASKET, AND A METALLIC GREY FINISH. KRUEGER SERIES ALS 585 H.
HD-1	HAND DAMPER: ALL EXTRUDED ALUMINUM FRAME AND BLADES, COMPLETE WITH BRASS BEARINGS, FOAM GASKETED BLADES, CONCEALED END LINKAGE, EXTENDED SHAFT WITH LOCKING QUADRANT, AND CHANNEL FRAME FOR DUCT INSTALLATION. CESCO MODEL CDA-PB.
RH-1	RELIEF HOOD: ALL EXTRUDED ALUMINUM CONSTRUCTION WITH RIGID EXTRUDED ALUMINUM CHANNEL FRAMEWORK WITH HINGED HOOD, 1/2" MESH GALVANIZED BIRDSCREEN, COMPLETE WITH BACKDRAFT DAMPER AND PREFABRICATED ROOF CURB. ACME MODEL X, THROAT SIZE AS INDICATED ON PLAN.
T-1	THERMOSTAT: JOHNSON CONTROLS MODEL T53 SEVEN DAY PROGRAMMABLE WITH DIGITAL READOUT, 24 V, HEATING ONLY.

FIXTURE SCHEDULE	
SYMBOL	DESCRIPTION
IWH	INSTANTANEOUS WATER HEATER: CHRONOMITE INSTANT-FLOW WATER HEATER MODEL S-23L/110 VAC, 2300 WATTS, 120 VOLTS, 21 AMPS, WITH CAST ALUMINUM ALLOY CASING, PLASTIC HOUSING, 20 PSI PRESSURE REQUIRED, 190 DEGREE MAX. OPERATING TEMP.
MB	MOP BASIN: FIAT MODEL MSB-2424, SIZE 24" X 24" X 10" DEEP, CONSTRUCTED OF MOLDED STONE WITH 10" HIGH WALLS, NOT LESS THAN 1" WIDE SHOULDERS, COMPLETE WITH # 874 DRAIN BODY WITH LOCKNUT, NEOPRENE GASKETS AND COMBINATION DOME STRAINER - LINT BASKET CONSTRUCTED OF 302, 16 GAUGE STAINLESS STEEL WITH STAINLESS STEEL SCREWS, # 830-AA SUPPLY FITTING WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK, AND 3/4 IN. HOSE THREAD ON SPOUT AND # 899-CC MOP HANGER.
HB	HOSE BIBB: NEBCO, BRONZE BODY WITH LOCKSHIELD, WHEEL HANDLE AND VACUUM BREAKER, SIZE 1/2". FURNISH WITH 1/4" TAP FOR EXTENSION TO EVAP COOLER.
FD	FLOOR DRAIN: ZURN Z-415, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE TYPE "B" NICKEL BRONZE STRAINER, AND VANDALPROOF SCREW. TRAP - 2" VENT - 2" CW - --- HW - ---

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Fanning / Bard
Architects AIA
110 Amherst Drive SE
Albuquerque, New Mexico
87106 (505) 266-5874

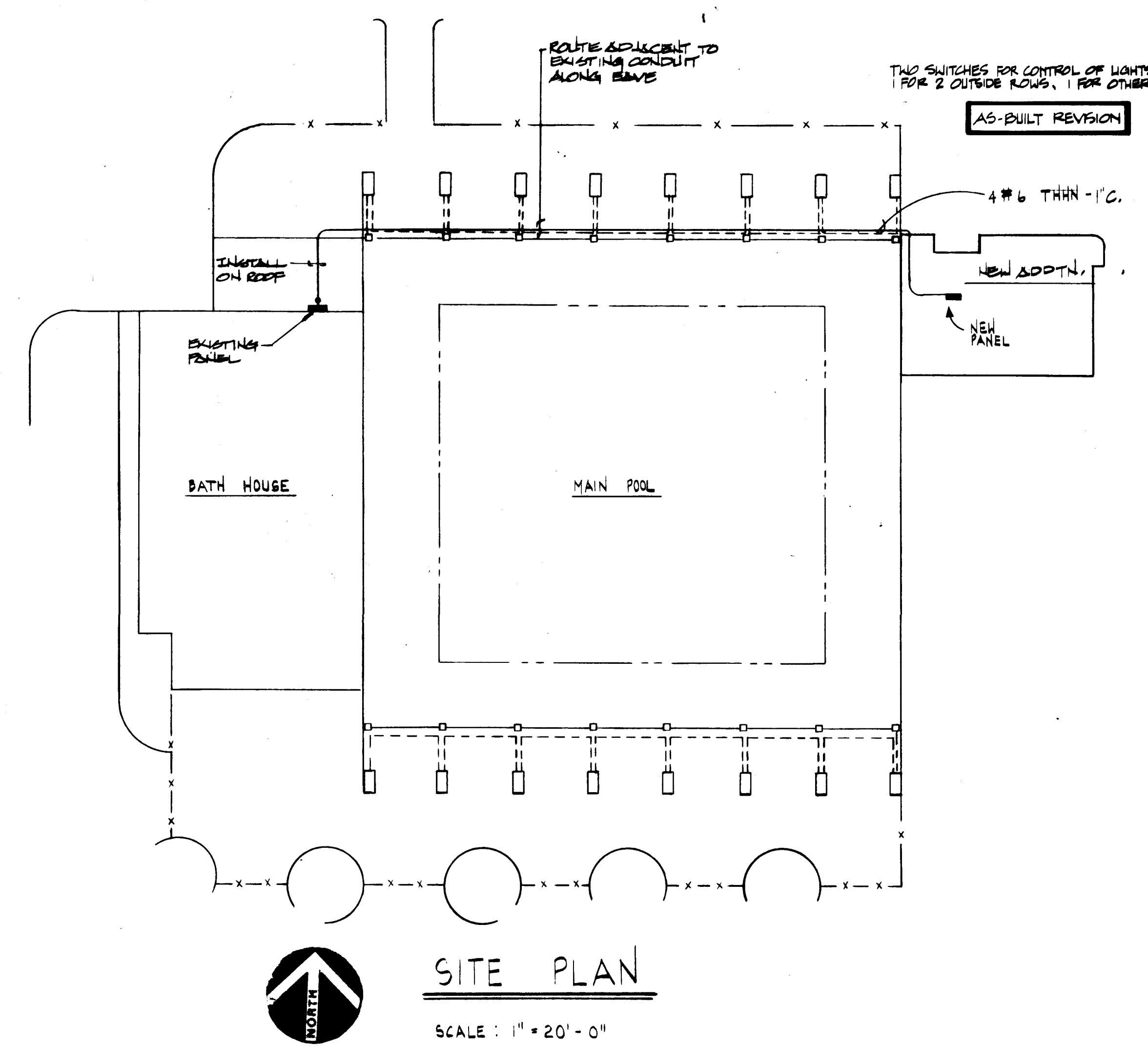
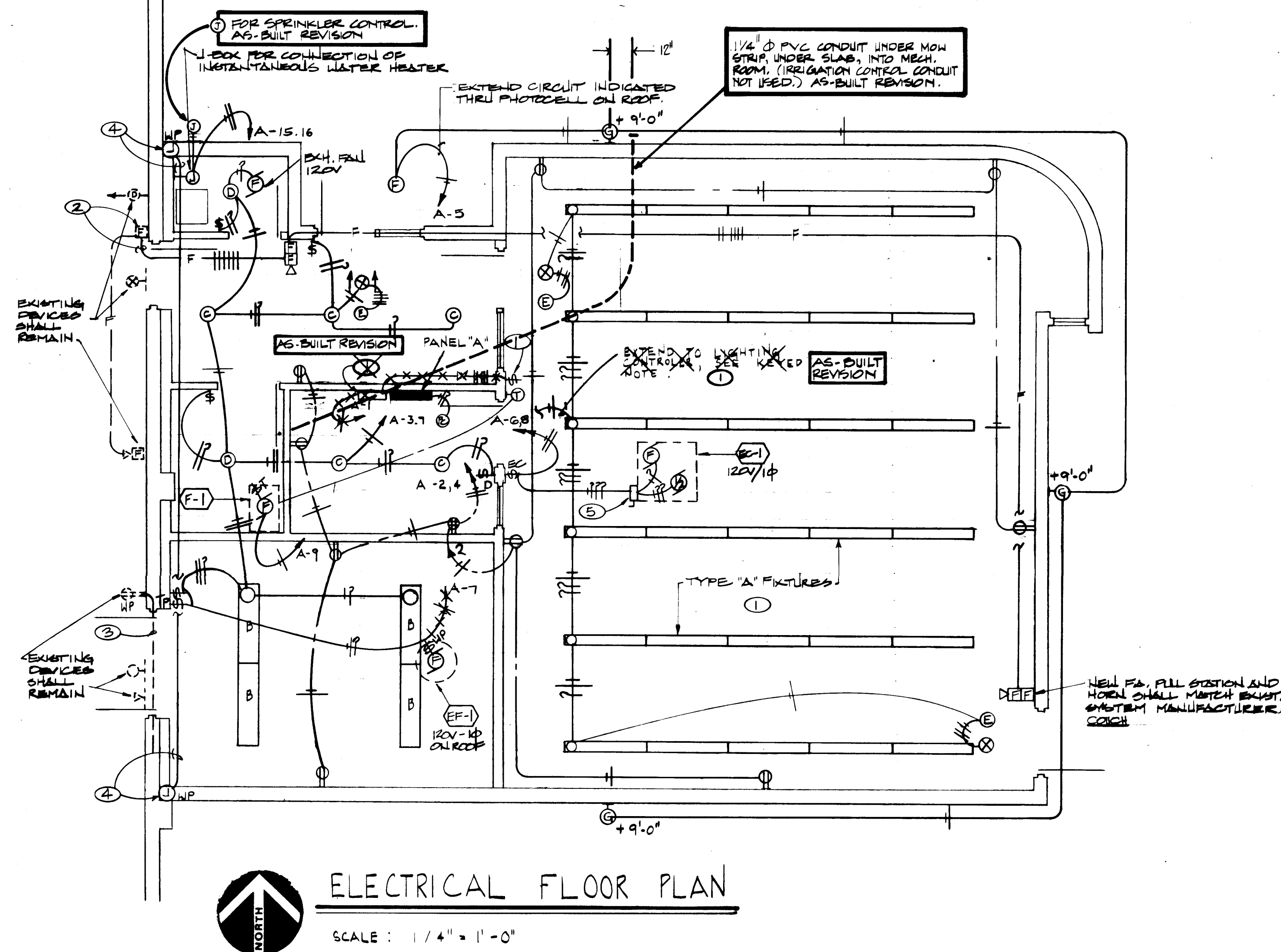
HIGHLAND SWIMMING POOL
CLASSROOM ADDITION
400 JACKSON SE
ALBUQUERQUE, NEW MEXICO
PROJECT NO. 1664

TECHNICAL SCHEDULES
& DETAILS

STATE OF NEW MEXICO
REGISTERED ARCHITECT

STATE OF NEW MEXICO
REGISTERED ARCHITECT

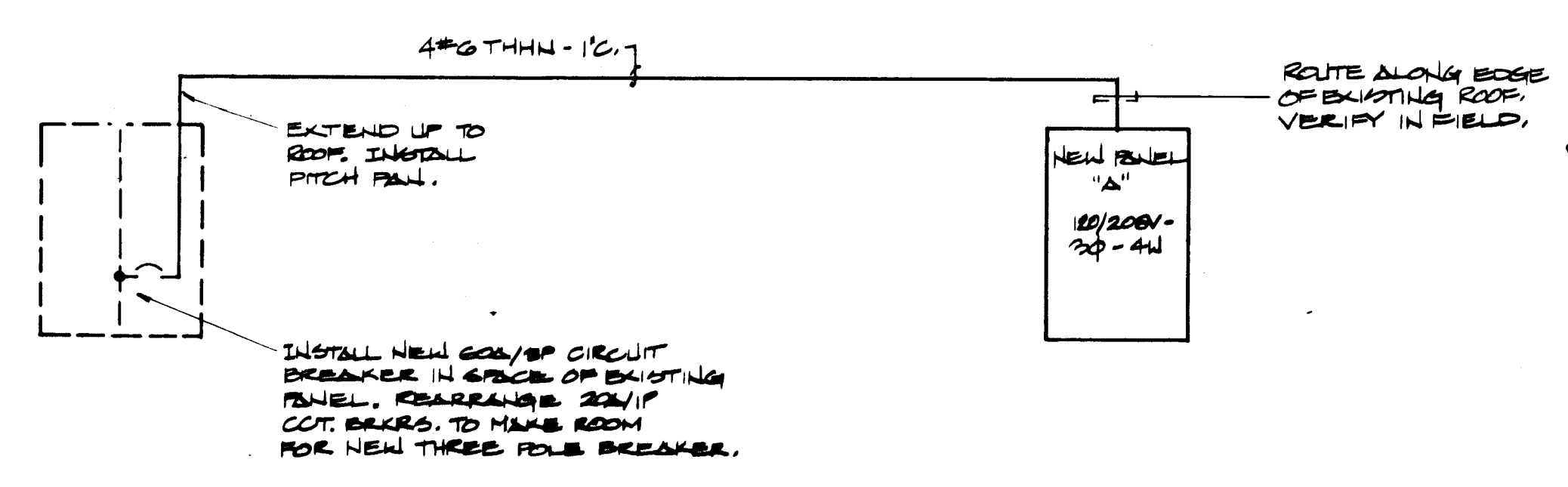
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FIXTURE SCHEDULE				
TYPE	MANUFACTURER	LAMPS	MOUNTING	
A	LITE CONTROL # R6614R6-B4	1/P40/CW	RECESSED	
B	4'-2 LAMP UTILITY STRIP	2/P40/CW	SURFACE	
C	PRESOLITE #1054-720	1/150W/A-21	RECESSED	
D	PORCELAIN LAMP HOLDER	1/100W/IF	SURFACE	
E	CHLORIDE # SP-30M-OR	AS REQUIRED	RECESSED	
F	PRESOLITE #3606V	1/70W/HPS	SURFACE	
G	KRILL #5720	1/70W/HPS	WALL BRACKET	
⊗	DEVINE PUB-120-EM (PROVIDE W/DC BARNETT LAMP)	AS REQUIRED	SURFACE	

NOTE: PROVIDE TYPES 'A' AND 'D' FIXTURES WITH COMBINATION ENERGY SAVING LAMPS & BALLASTS.

PANEL SCHEDULE				
PANEL DESCRIPTION	CCT. NO.	CCT. BKR.	WIRE SIZE	LOAD
PANEL "A" 120/208V-3Ø-4W-100A MLO, SURFACE MOUNTED	1 - 14	20/1	#12	LIGHTING, RECEPTACLES, MECH., SPARES
TOP FEED.	15	30/1	#10	INSTANTANEOUS WATER HEATER



- KEYED NOTES (O)**
1. TYPE 'A' FIXTURES SHALL HAVE LISTED #R6614R6-B4/1 LAMP, 1-1/2" DIA. 1-1/2" DIA. DIMMING CAPABLE, 1-1/2" DIA. INTENSITY CONTROLLER.
 2. EXISTING FIRE ALARM PULL STATION TO REMAIN. EXTEND NEW CONDUIT & WIRE AS SHOWN FOR CONNECTION OF NEW DEVICES.
 3. INTERCEPT EXISTING CONDUIT. RE-ROUTE, ADD CONDUIT AND WIRE TO MAINTAIN CIRCUIT CONTINUITY.
 4. REMOVE EXIST. CONDUIT. INSTALL NEW J-BOXES, CONDUIT AND WIRE TO CLEAR NEW ADDITION. SPACE TO BATH COIT.
 5. 600/5P + 5N FLEXIBLE DISCONNECT SWITCH IN NEAR OR ENCLOSURE. FUSE WITH BUSS FEN AT 125% MOTOR FLA (H1 SPD, L2 SPD, PLMP)

Fanning / Bard Architects AIA
110 Amherst Drive SE
Albuquerque, New Mexico 87106
(505) 266-5874

STATE OF NEW MEXICO
CHRISTOPHER R. BARD
No. 1223
REGISTERED ARCHITECT

HIGHLAND SWIMMING POOL
CLASSROOM ADDITION
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