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LOS GRIEGOS BRANCH LIBRARY

RENOVATION AND EXPANSION

Russell B. Stiller
1-25-93

CITY OF ALBUQUERQUE
PROJECT NO. 3915

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

26 59/9 01 93

RECORD DRAFTING APRIL 14, 1992

HOSHOUR & PEARSON/ARCHITECTS

DECEMBER 21, 1989 A1-1

DEMOLITION SITE PLAN-KEYED NOTES

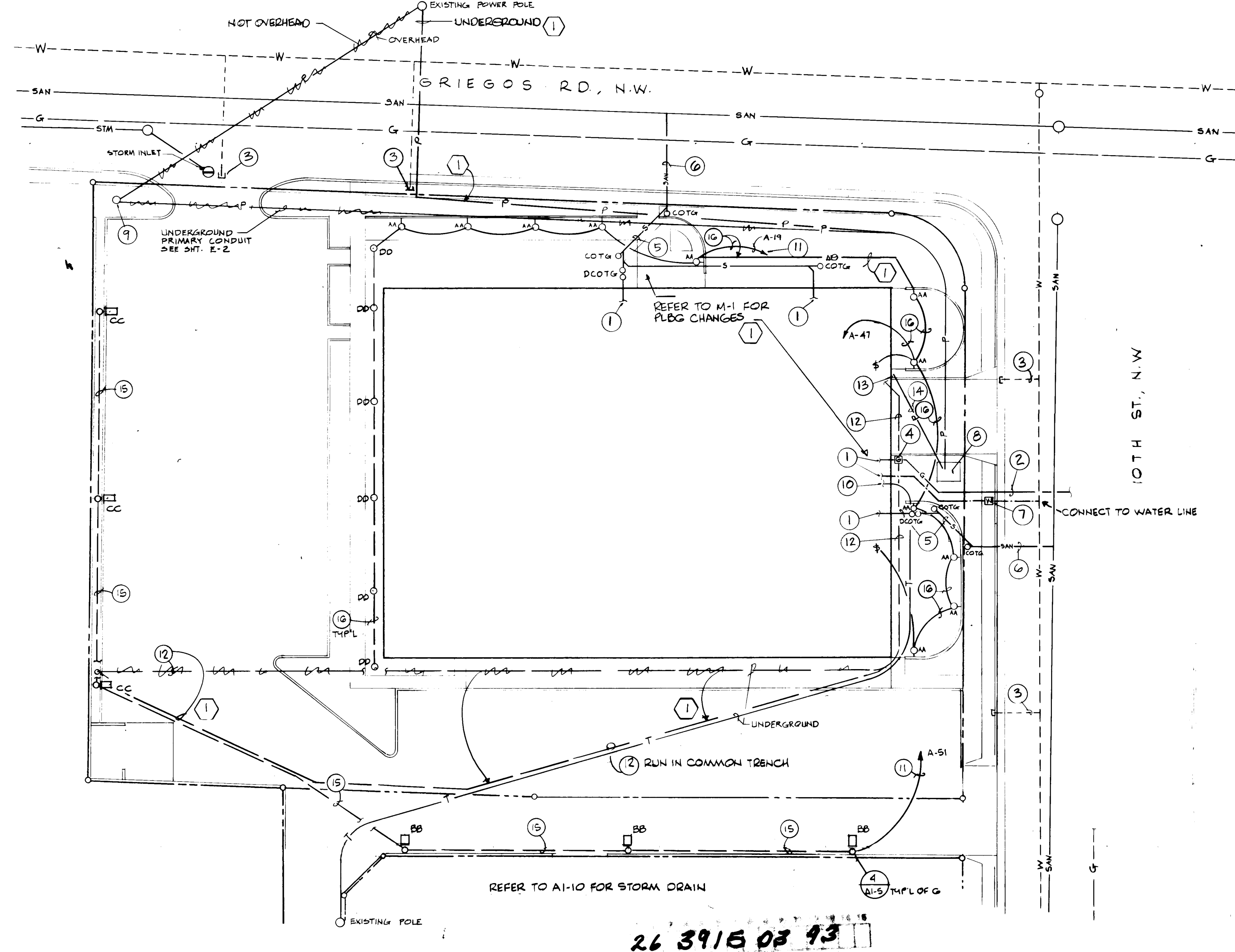
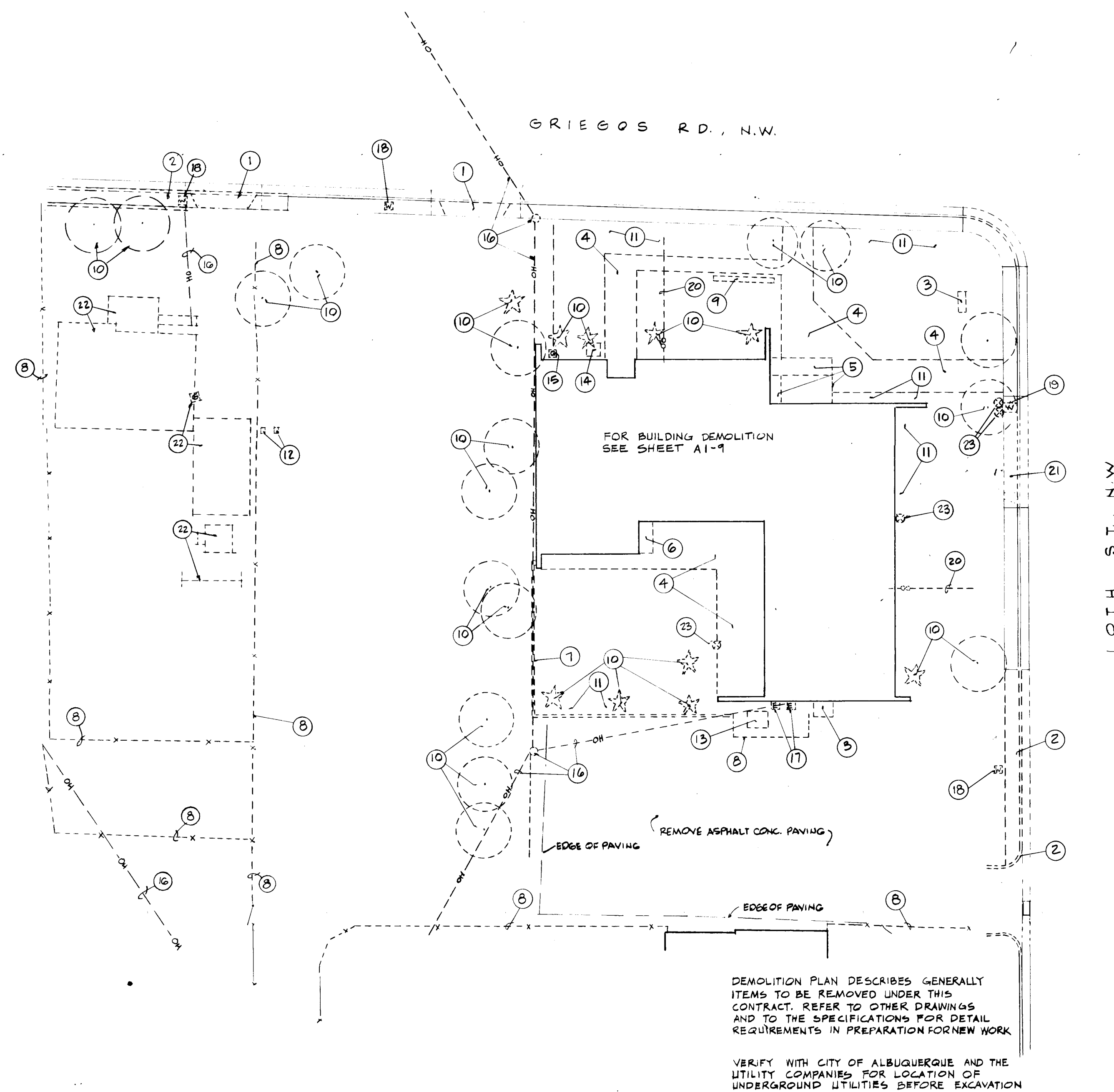
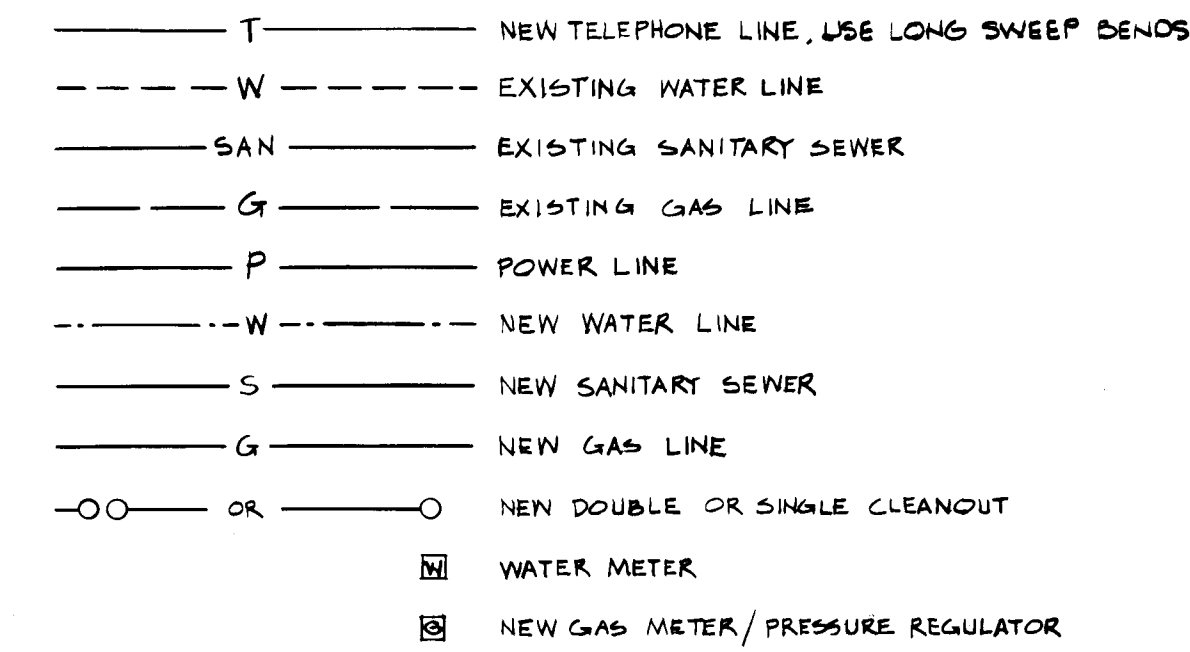
1. Remove drive pad.
2. Remove sidewalk, curb & gutter, prepare for installation of new.
3. Remove concrete pad.
4. Remove concrete sidewalk.
5. Remove planters & glass awning structure.
6. Remove planter.
7. Remove brick wall.
8. Remove fence.
9. Remove bike rack.
10. Remove trees.
11. Remove shrubs & groundcovers.
12. Remove posts.
13. Remove mechanical unit & concrete pad.
14. Remove evaporative cooler.
15. Remove gas meter & line, cap as per gas company specifications.
16. Power pole & overhead lines to be removed. Coordinate with electric utility company & telephone utility company.
17. Remove all electrical meters & enclosures.
18. Remove water meters. Cap line as per City specifications.
19. Disconnect water meter. Save for re-use in new location.
20. Remove cleanout & sewer line. Prepare for connection of new sewer. See Utility Plan this sheet & sheet M-1.
21. Remove sidewalk and prepare for new drive pad. See Site Plan A1-5.
22. Existing house, garage, shed and minor site appurtenances shall be removed by the Owner. Library Contractor shall coordinate removal of utility lines and preparation of site for new construction.
23. Remove water valves.

UTILITY PLAN-KEYED NOTES

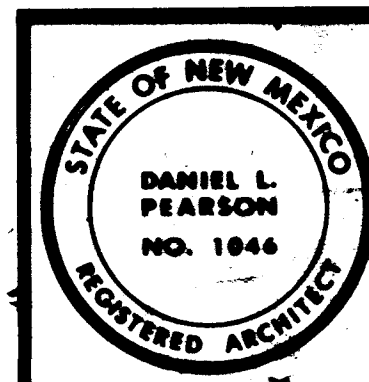
1. See sheet M-1 for continuation.
2. New gas yard line installation and sizing by Gas Co. of New Mexico.
3. Existing water line to be abandoned. Cap as per City of Albuquerque requirements.
4. Gas meter and gas pressure regulator to be sized and installed by Gas Co. of New Mexico. Total connected load this contract 900 C.F.H.
5. New 4" sewer line. Connect to existing sewer line.
6. Existing sewer line.
7. Existing 2" water meter to be exchanged for new meter as per City of Albuquerque specifications. Install rebuilt meter at new location.
8. Transformer pad per PMW specifications. See Note 20 sheet E-2.
9. New service pole. See Electrical.
10. See Electrical for continuation.
11. Thru lighting contactor. See note 25 sheet E-2. See sheet E-1 for fixture type.
12. 1" empty conduit with pull wire for owner's use. Stub up 6" above grade and cap. Other end terminates in panel "A".
13. Meter location. See notes 21 & 23 on sheet E-2.
14. Secondary feeder. See note 22 on sheet E-2.
15. 3 No. 8 conductors (1 ground) in 1/2" conduit.
16. 3 No. 10 conductors (1 ground) in 1/2" conduit.

GENERAL NOTES

1. Contractor shall be responsible for coordinating all utility service connections with the proper departments:
Water - Customer Services Office (768-2040)
Sewer - Customer Services Office (768-2040)
PMW - NW area (761-5850)
U.S. West - Customer Service (765-6996)
Gas Co. of New Mexico - (889-2300)
Line Locator Service (765-1234)
2. Owner shall pay the cost of electrical service (PMW) and water utility pro rata and standby charges. All other costs related to removal, replacement and new installation of utilities shall be paid by the Contractor.
3. Exterior lighting shall be field located by the Architect.



REV. 9-20-90



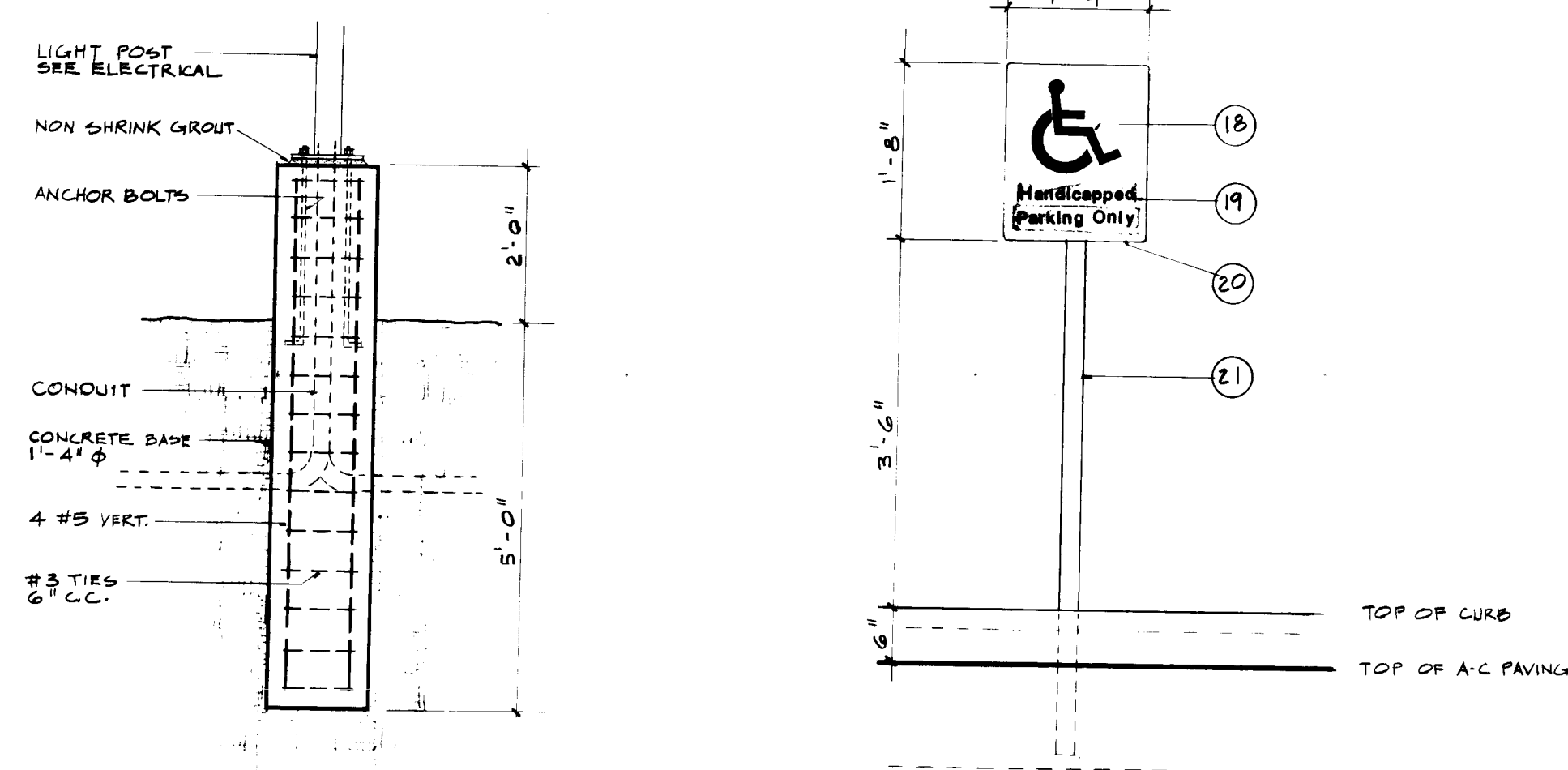
Hoshour & Pearson

UTILITY PLAN
DEMOLITION SITE PLAN

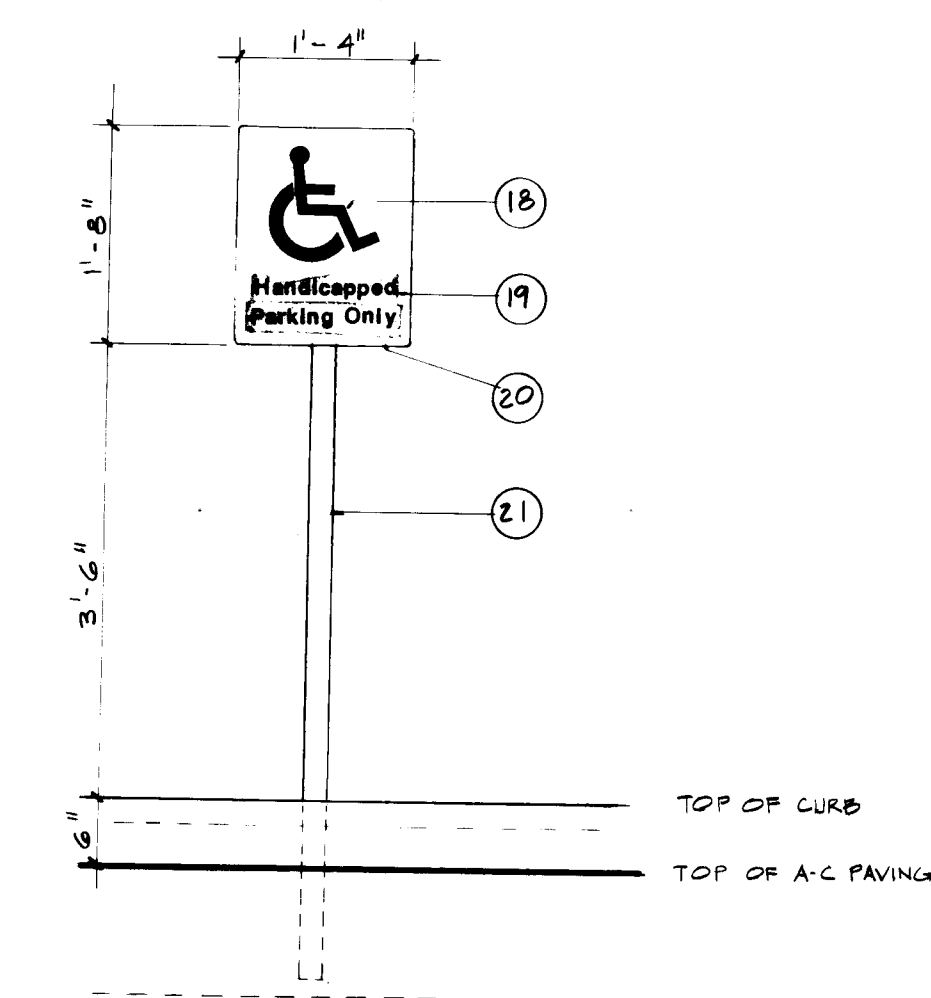
DECEMBER 21, 1991

A1-3

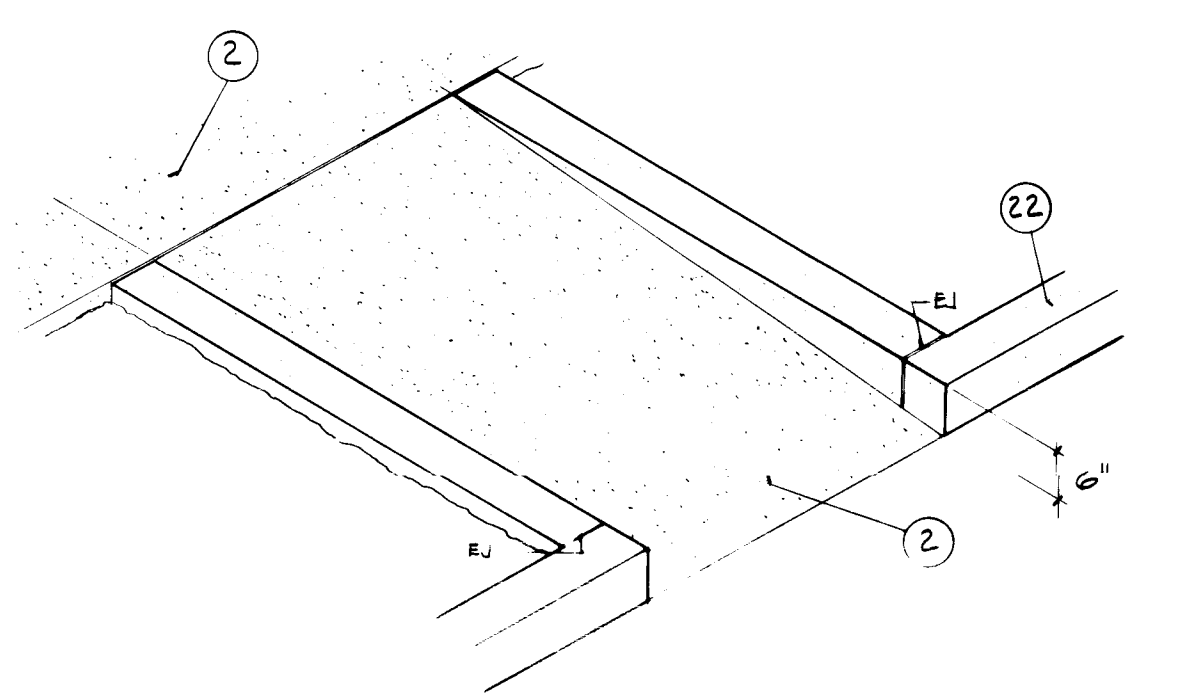
RECORD DRAWING, APRIL 14, 1992



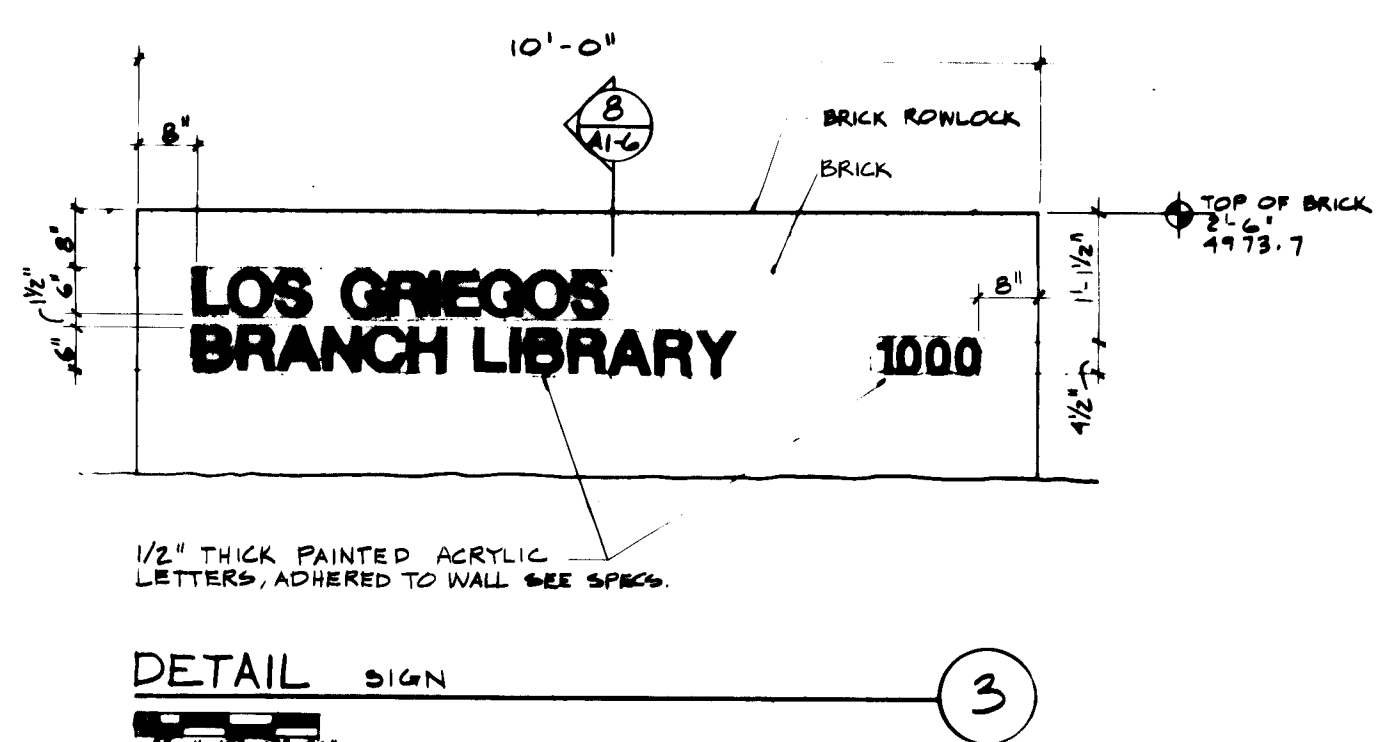
DETAIL LIGHT POST
1/2" = 1'-0"



DETAIL HANDICAP PARKING SIGN
1/2" = 1'-0"

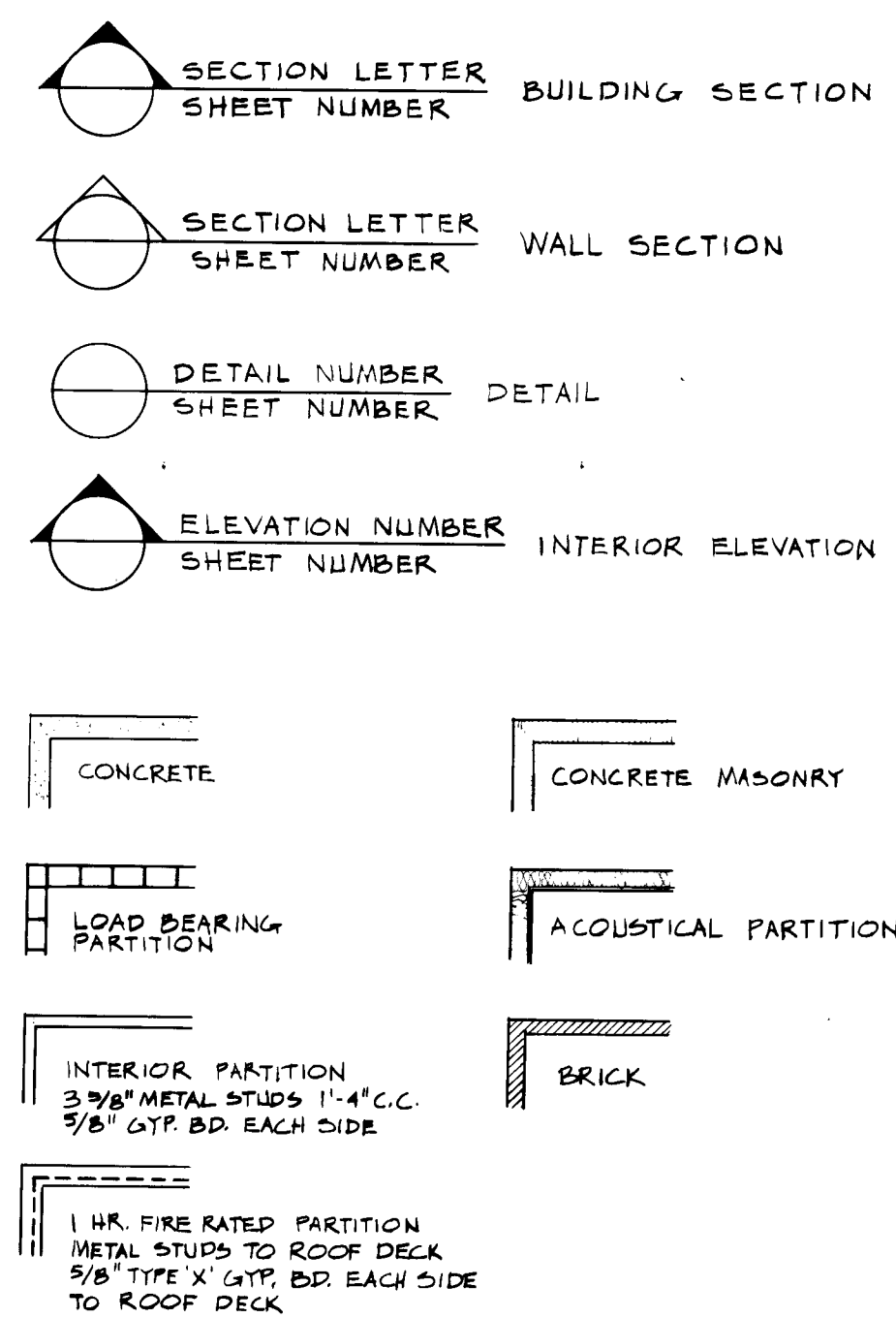


DETAIL HANDICAP RAMP
1/2" = 1'-0"



DETAIL SIGN
1/2" = 1'-0"

SYMBOLS



CF - CONCRETE FACE
BF - BRICK FACE
F - FINISHED FACE
E - LOCATION OF EXPANSION JOINT

⊕ - EXISTING GRADE ELEVATION
⊙ - NEW GRADE ELEVATION

PROJECT DESCRIPTION

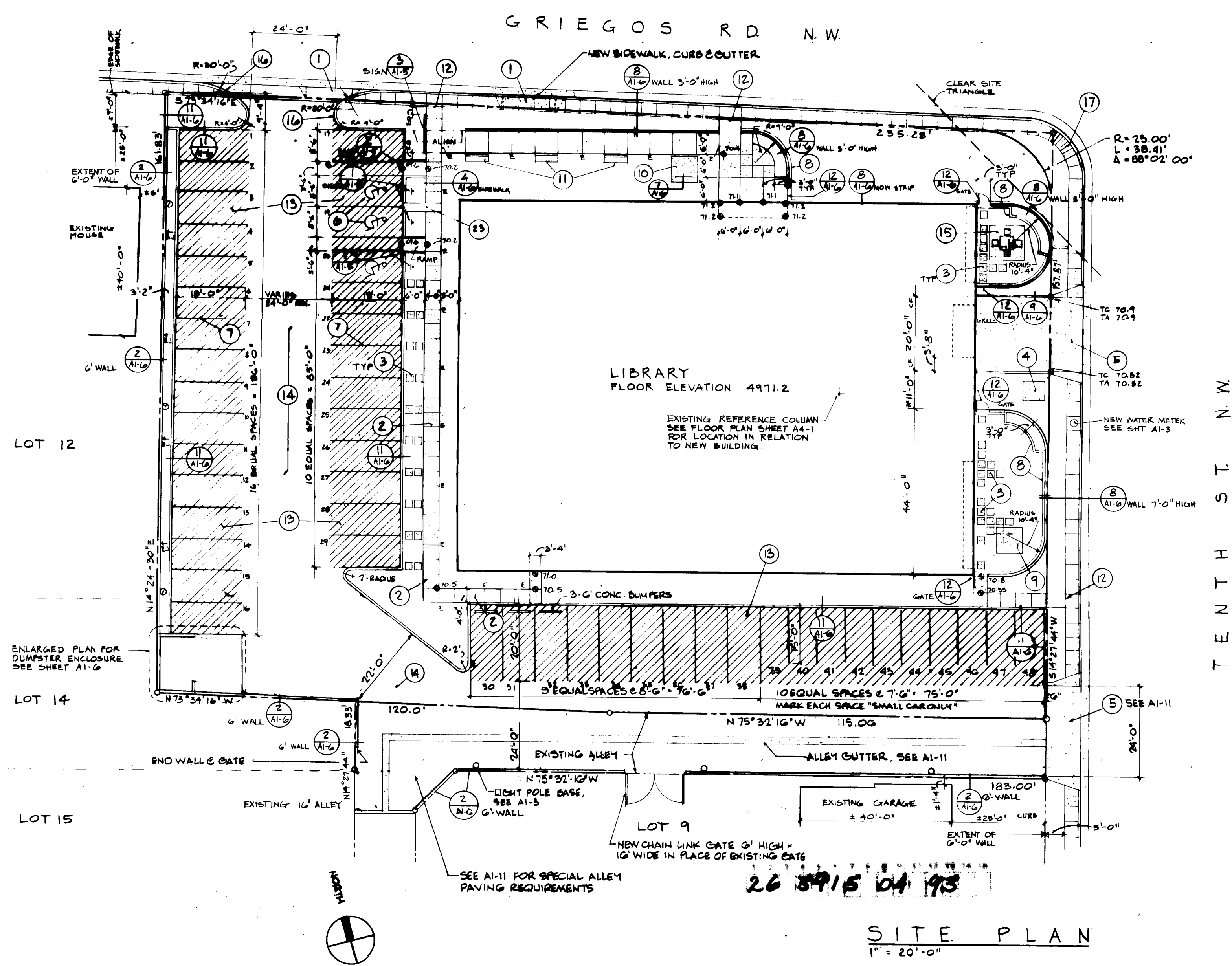
PROPERTY LEGAL DESCRIPTION:
TRACT A, BLOCK 2
SAN JACINTO SUBDIVISION (F-14)
LIBRARY ADDRESS: 1000 GRIEGOS RD NW, ALBUQUERQUE, N.M.

SEISMIC ZONE II
OCCUPANCY GROUP: A-1, B-1, MIXED OCCUPANCY SEC. 503A
TYPE OF CONSTRUCTION: II-N
BUILDING AREA: 9,548 S.F.
100% AREA INCREASE FOR SEPARATION: ALL SIDES
A-1: 9,100 x 2 = 18,200 S.F. ACTUAL AREA 9,854 S.F.
B-1: 12,000 x 2 = 24,000 S.F. ACTUAL AREA 3,444 S.F.
9,854 + 3,444 = 13,298 S.F. (II-N OK)
18,200 + 24,000 = 42,200 S.F.

PARKING REQUIRED: 48 SPACES, PARKING PROVIDED: 48 SPACES
EXISTING BLDG AREA 5,250 S.F., 10 PARKING SPACES EXISTING
ADDITIONAL NET LEASABLE AREA 7,590 S.F., 38 PARKING SPACES REQUIRED
TOTAL: 48 PARKING SPACES REQUIRED

KEYED NOTES

1. Remove drive pad, repair sidewalk to match existing.
2. Exposed aggregate concrete sidewalk. All exposed aggregate sidewalks to be 4000 lb. concrete. See specs.
3. 2' x 2' pavers to be exposed aggregate 4000 lb. concrete to match sidewalks. See specs. Leave 6" space in-between each paver. Arrange in pattern shown.
4. Transformer pad. See Electrical.
5. Construct curb cut and drive per City of Albuquerque Standard Drawing.
6. Painted handicap symbols.
7. 4" wide striping. Typical, see specs.
8. Mow strip. See Detail 8/A1-6.
9. 7'-0" x 7'-0" concrete pad to be exposed aggregate 4000 lb. concrete. See Detail 4/A1-6.
10. Bike rack on 7'-0" x 7'-0" exposed aggregate concrete pad. Use 4000 lb concrete. See specs. See Detail 7/A1-6.
11. Benches, see specs. Consult with Architect before installation.
12. Install new sidewalk flush with existing sidewalk.
13. Cross hatched areas indicate 3" A-C paving on compacted grade, see specs.
14. 3" A-C paving on 6" base course, see specs.
15. 9'-6" x 9'-6" concrete pad to be exposed aggregate 4000 lb. concrete, see Detail 4/A1-6. See specs for table and stools, verify location with Architect.
16. New private entrance. See City of Albuquerque Standard Drawing.
17. Install handicap ramp per City of Albuquerque Specifications.
18. 8" symbol, vinyl die-cut.
19. 1 1/2" helvetica medium letters, vinyl die-cut.
20. 1/8" steel plate. Secure to post with concealed fasteners. Prime and paint.
21. 2 x 2 x 3/16 steel post, paint. Set in concrete, 18" deep post to be 1'-6" from back of curb. See Site Plan this sheet.
22. Standing concrete curb. See 11/A1-6.
23. Sidewalk culvert, see Drainage Plan sheet, A1-30 center between handicap ramps.

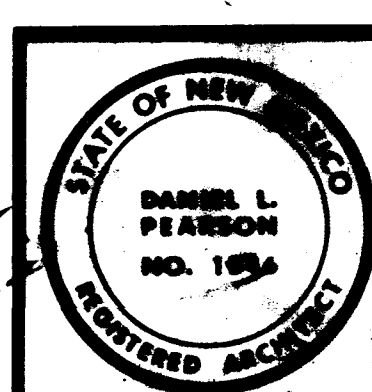


SITE PLAN

LOCATION OF EXPANSION JOINTS IN 6" CMU WALL TO BE APPROX. 18" S.C. VERIFY LOCATION WITH ARCHITECT.
REFER TO DRAINAGE & DRAINAGE A1-10 AND ALLEY & STORM DRAIN A1-11

REV. 3-20-80

RECORD DRAWING APRIL 14, 1992

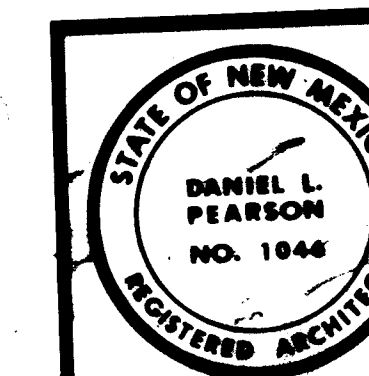


Hoshow & Pearson

SITE PLAN
GENERAL INFORMATION

DECEMBER 21, 1991

A1-5



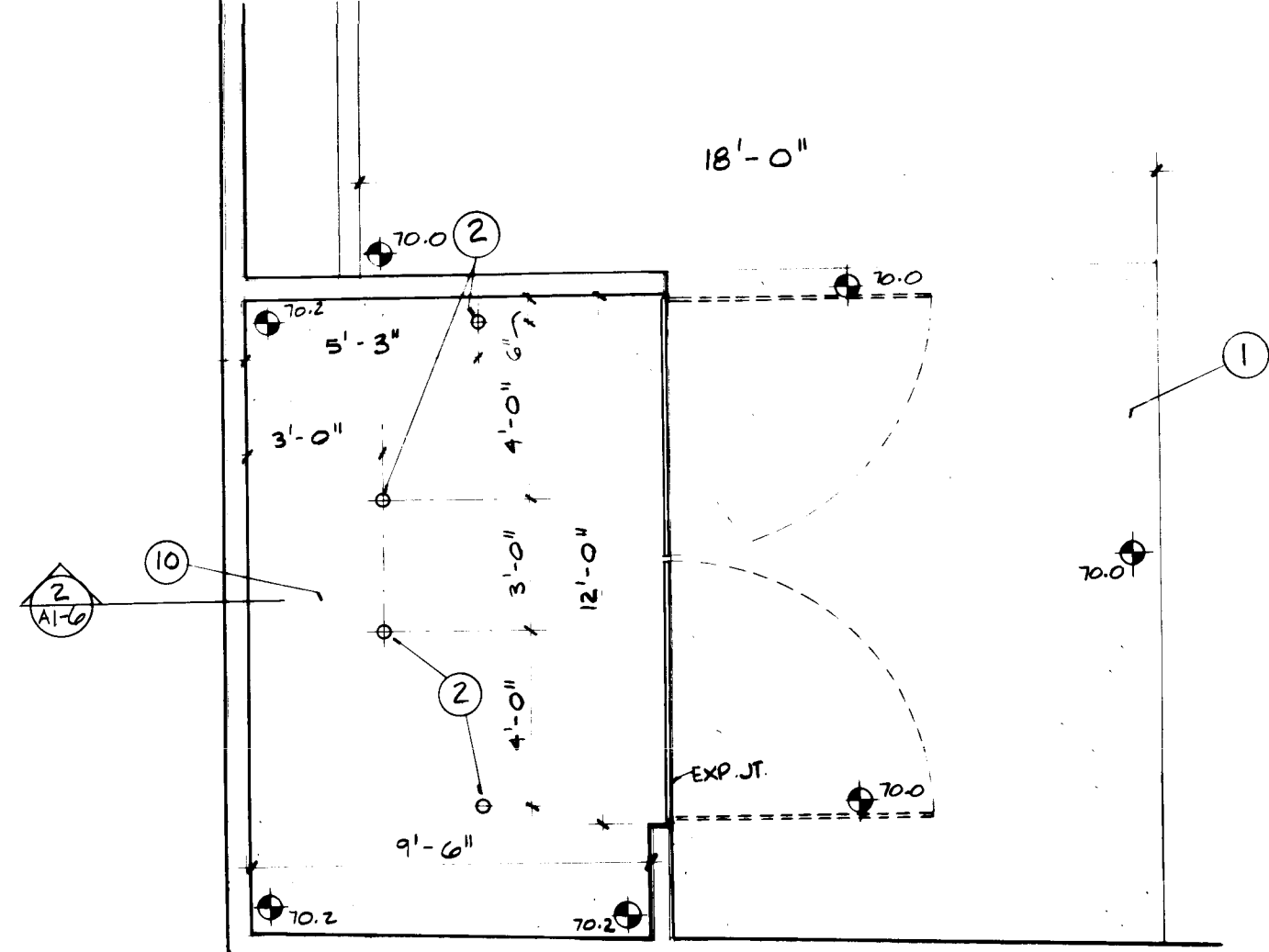
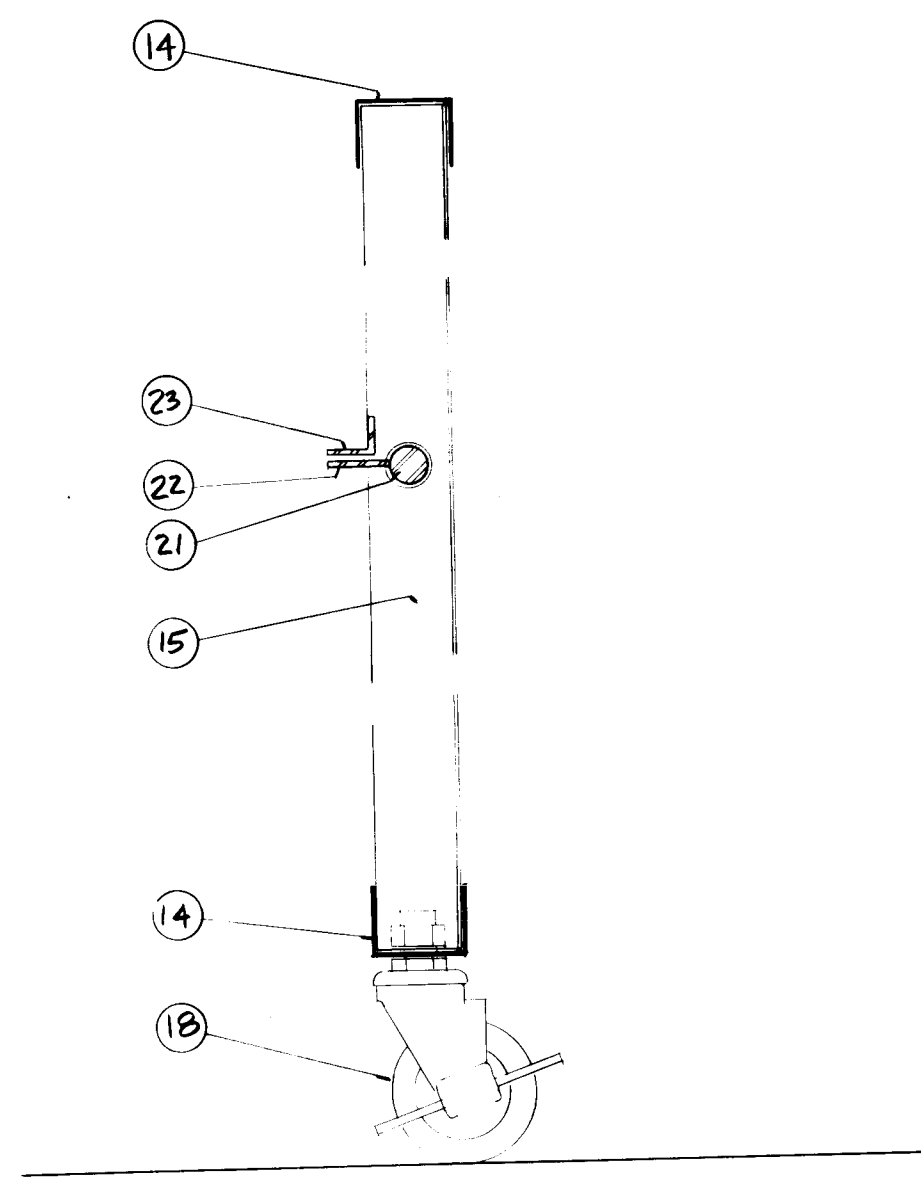
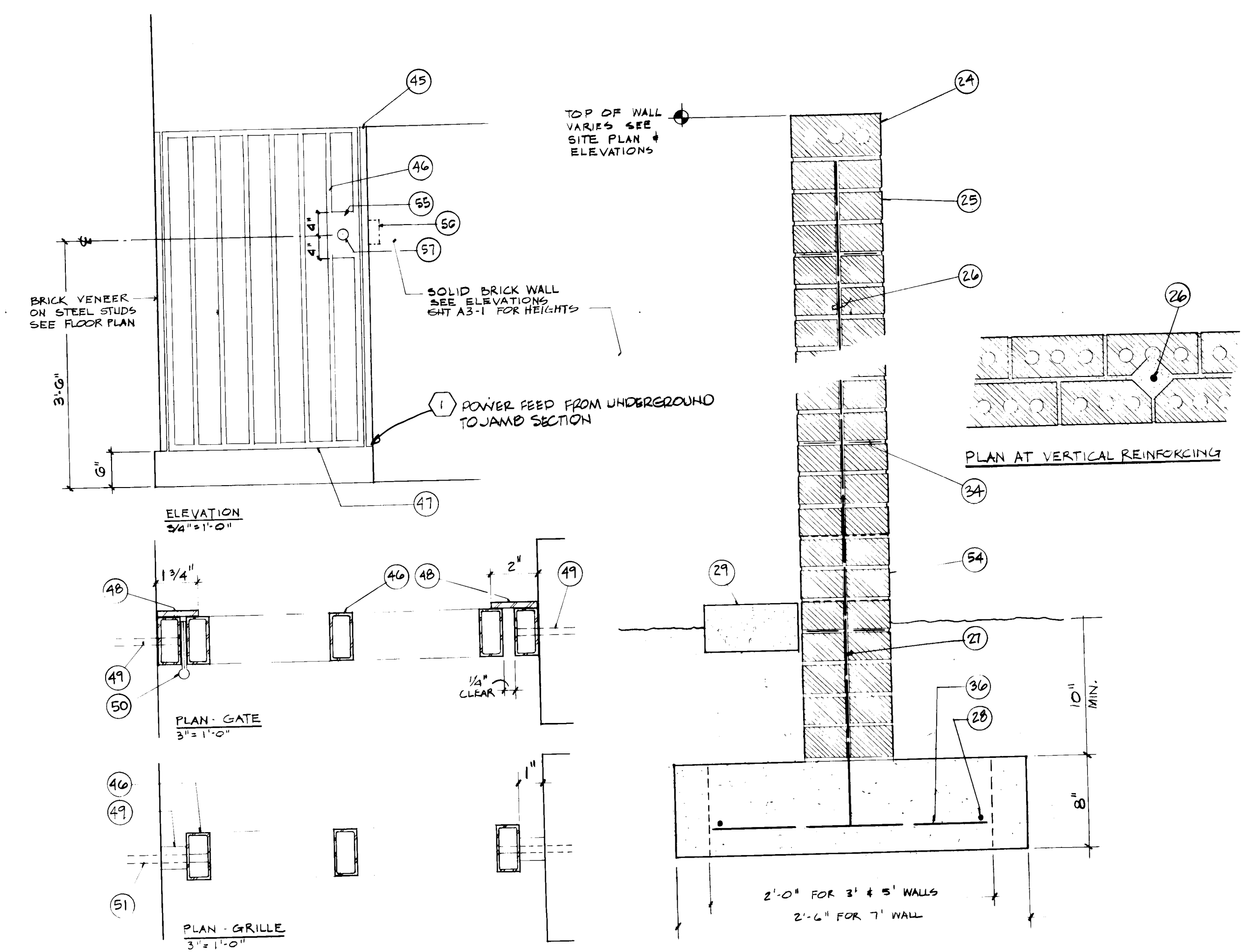
Hoshour & Pearson

SITE DETAILS

DECEMBER 21, 1991

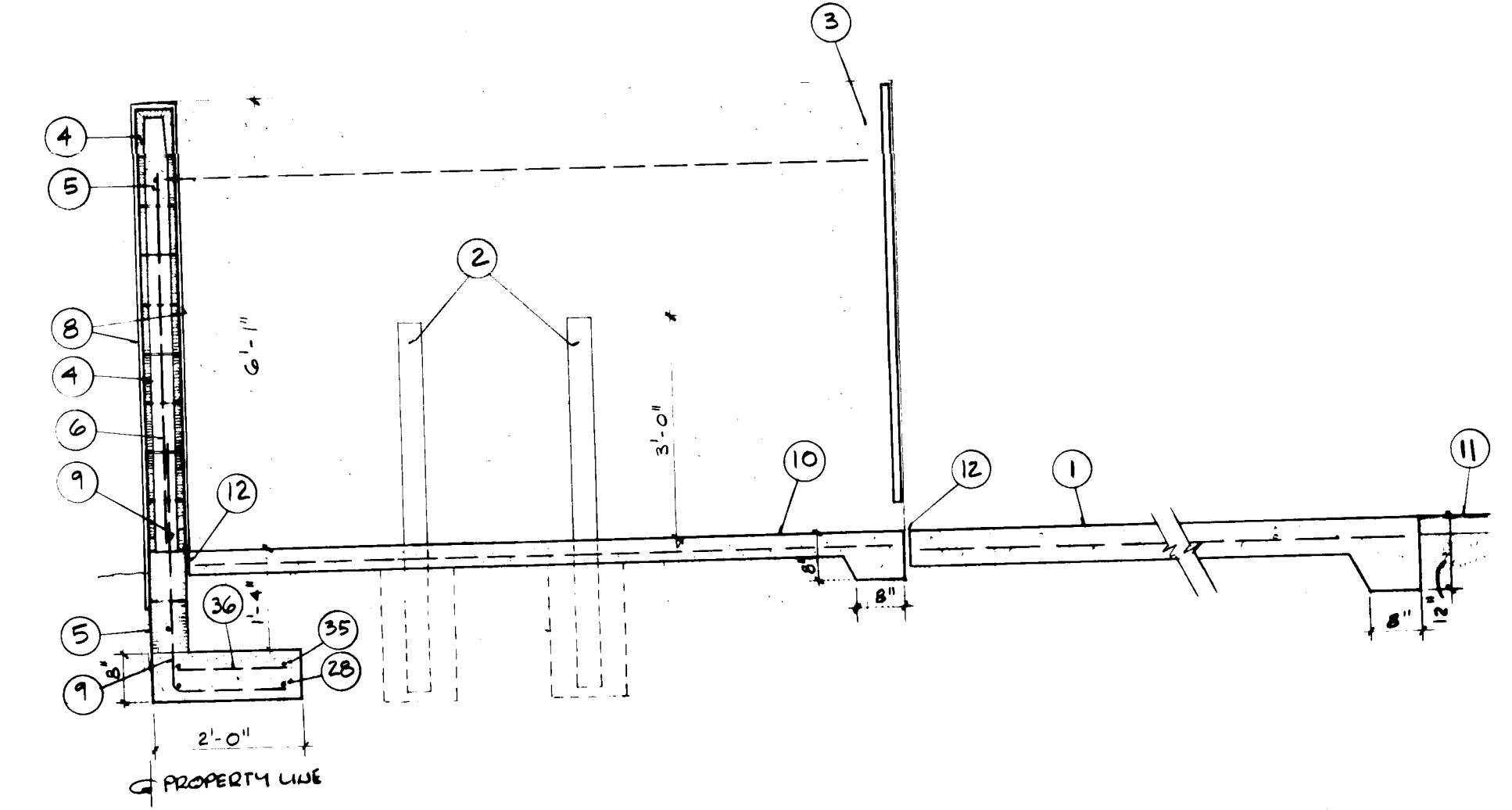
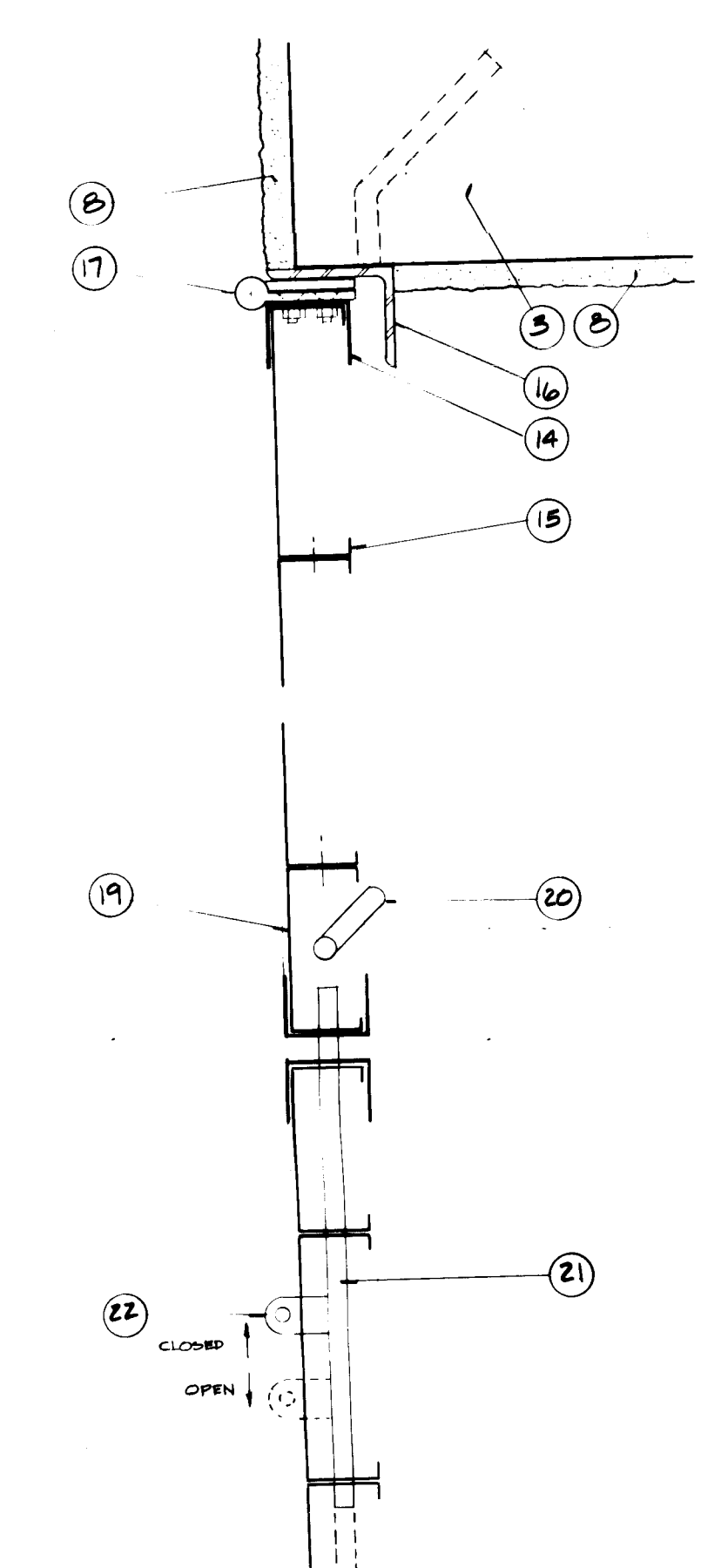
A1-6

- 6" concrete slab with 6 x 6/6 WMF.
- 4" steel pipe, concrete filled (typ).
- 3 No. 4 in grouted end cell.
- 6 x 8 x 16 cap block.
- 6" x 8" bond beam with 1 No. 4 cont.
- No. 4 vert. at 2'-8" c.c. in grouted cell.
- 6" C.M.U. wall.
- 5/8" 2 part stucco both sides of wall. See specs.
- No. 4 dowels at 2'-8" c.c.
- 4" concrete slab with 6 x 6/6 WMF.
- Asphaltic concrete paving system. See specs.
- 1/2" exp. joint.
- 4" wide 16 GA galvanized metal straps. Weld to each stud and to frame on dumpster side.
- 2 x 1 1/2 x 14 GA channel frame, painted bottom channel to have weep holes for drainage.
- 6" 18 GA unpunched studs, typical.
- L 3 x 2 1/2 x 1/4 full height of gate with No. 4 anchor at 1'-4" c.c. Prime and paint.
- 5 x 4 1/2 heavy wt. ball bearing hinge 1 pr./leaf, prime and paint. Weld to steel angle, bolt to perimeter channel frame.
- 3" swivel caster with brake. Darnell No. L-63-PAD1 3/4"-M-NY/MB.
- End studs different to meet dimension.
- Cane bolt on inactive side.
- 3/4 diameter slide bolt fit through holes in stud.
- Lock strap welded to slide bolt cut horiz. slot in stud.
- Lock strap welded to stud.
- Rowlock course typ.
- Brick. See specs.
- No. 4 vert. at 2'-0" for 7'-0" wall, 4'-0" for 5'-0" wall, grout solid. No vertical reinforcing required for 3'-0" high wall.
- No. 4 dowel at 2'-0" for 7'-0" wall, 4'-0" for 5'-0" wall. No dowel required at 3'-0" high wall.
- 2 No. 4 cont.
- 8" x 4" concrete curb strip.
- Ease exposed edges.
- 4" concrete slab.
- No. 4 at 1'-4" c.c.
- No. 4 vertical 1'-4" c.c.
- 8" truss type duro-wall at 1'-4" c.c. typ.
- 2 No. 3 cont.
- No. 3 at 2'-0" c.c.
- Not used.
- 4" concrete walk, 4000 lb. concrete, exposed aggregate finish, see Site Plan for placement of control joints & expansion joints.
- Painted, galvanized steel pipe, "ribbon" type bicycle rack. Use in-ground anchor method.
- 4 x 4 pressure treated wood joint filler.
- Roof drain downspout nozzles less flange. Cut brick as shown 1/4" larger than nozzle. Seal joint. See Mechanical for size & type.
- Concrete splash block 4" thick.
- Brick veneer on 6" 18 GA studs.
- Concrete curb with 1 No. 4 top & bottom. Place pre-cut 1/2" expansion joint material at 15'-0" intervals max.
- Cap top of jamb section, typical.
- 2 x 1 x 1/8 steel tube section, typical. Weld sections, grind flush, prime & paint.
- Furnish 3 - 1/4" drilled weep holes, underside of bottom section.
- 1/4" thick continuous steel bar at widths shown. Continuously weld full height of jamb.
- Anchor steel tube section to wall with 3/8" countersunk bolts. Anchor thru to blocking in steel stud wall. Use expansion bolts in solid brick walls. Anchors to be placed 6" from top & bottom walls. Typical. 3' & 5' gates & grilles to have one additional anchor centered between top & bottom anchors. 7' gate to have 2 additional anchors between top & bottom anchors evenly spaced.
- Stanley No. 2060 spring hinges, 4 1/2 x 4 1/2 x USP use: 1 1/2 pair for both 5'-0" & 7'-0" high gates.
- 1" diameter I.P.S. steel pipe spacers 1" long at anchor bolts.
- No. 4 dowels at 2'-8" c.c. with alternating legs.
- 3 No. 4 continuous.
- Leave 8" square openings for drainage as directed by Architect.
- 1/8" steel plate to form lock case. Sides flush with tubes, closed top.
- Recessed electric strike. Refer to hardware schedule and electrical.
- Deadlatch. Refer to hardware schedule.



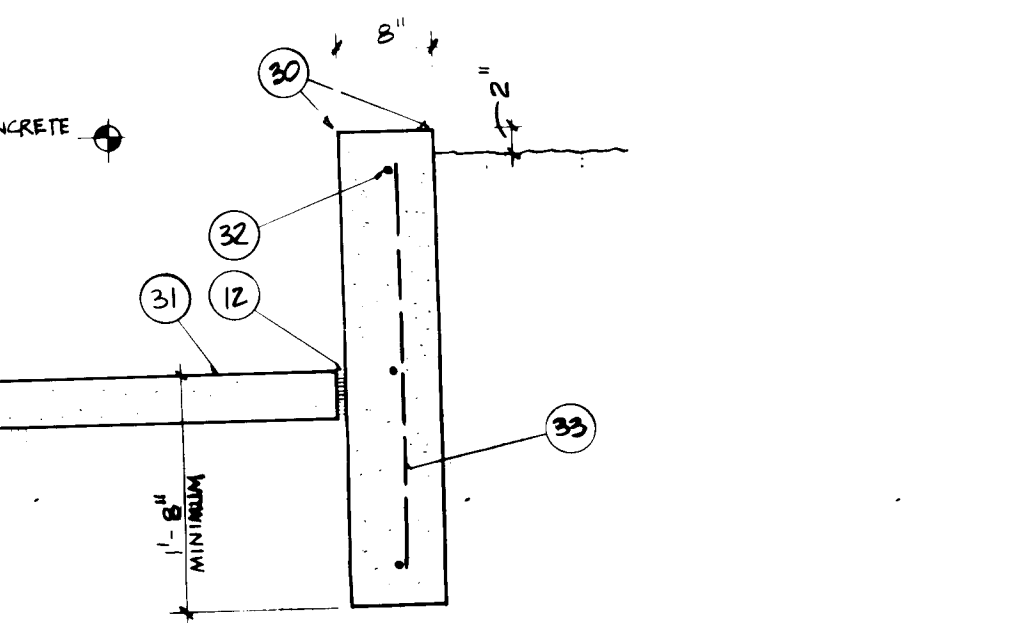
DETAIL GATE SECTION

PLAN DUMPSTER ENCLOSURE

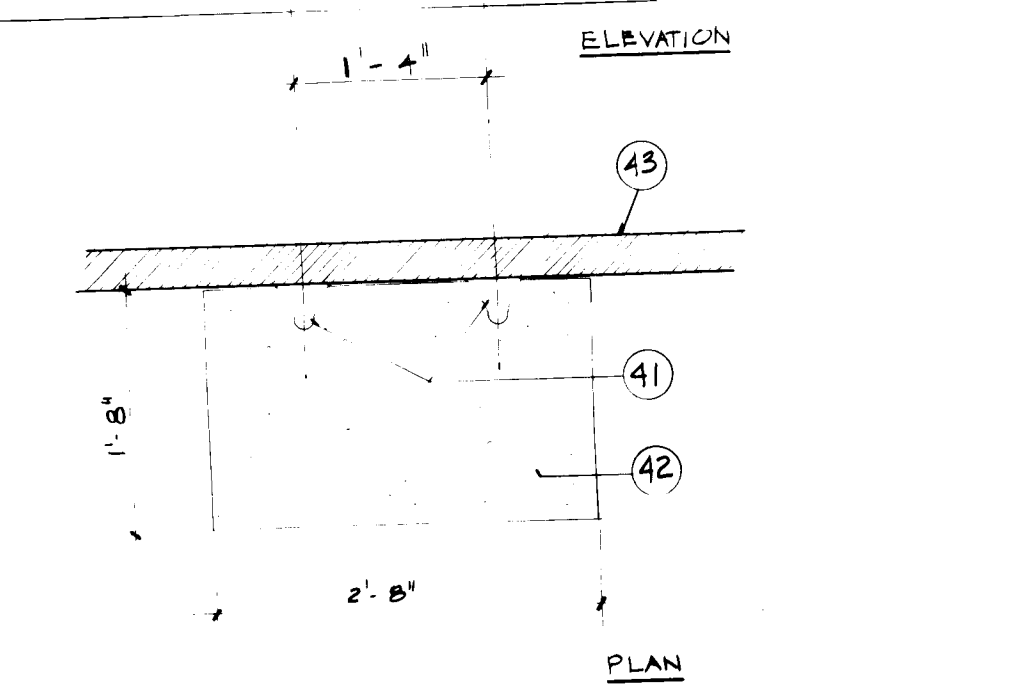


DETAIL GATE PLAN

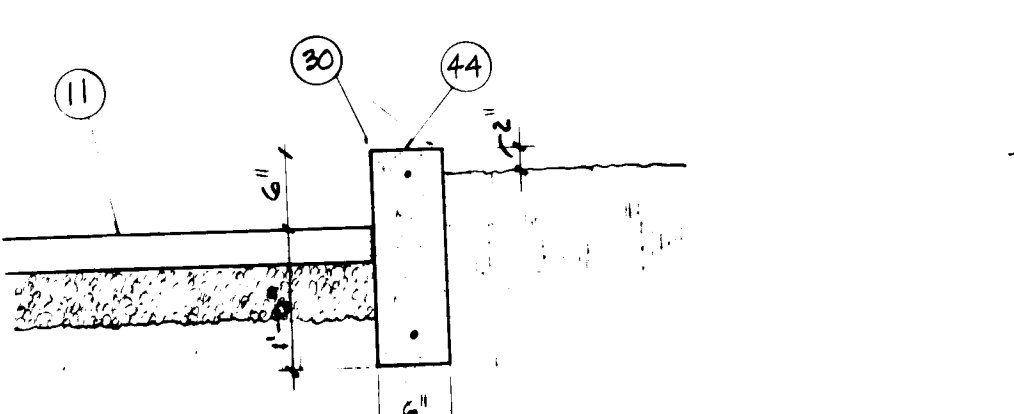
SECTION DUMPSTER ENCLOSURE SHOWING TYP. C.M.U. WALL AT PROPERTY LINE



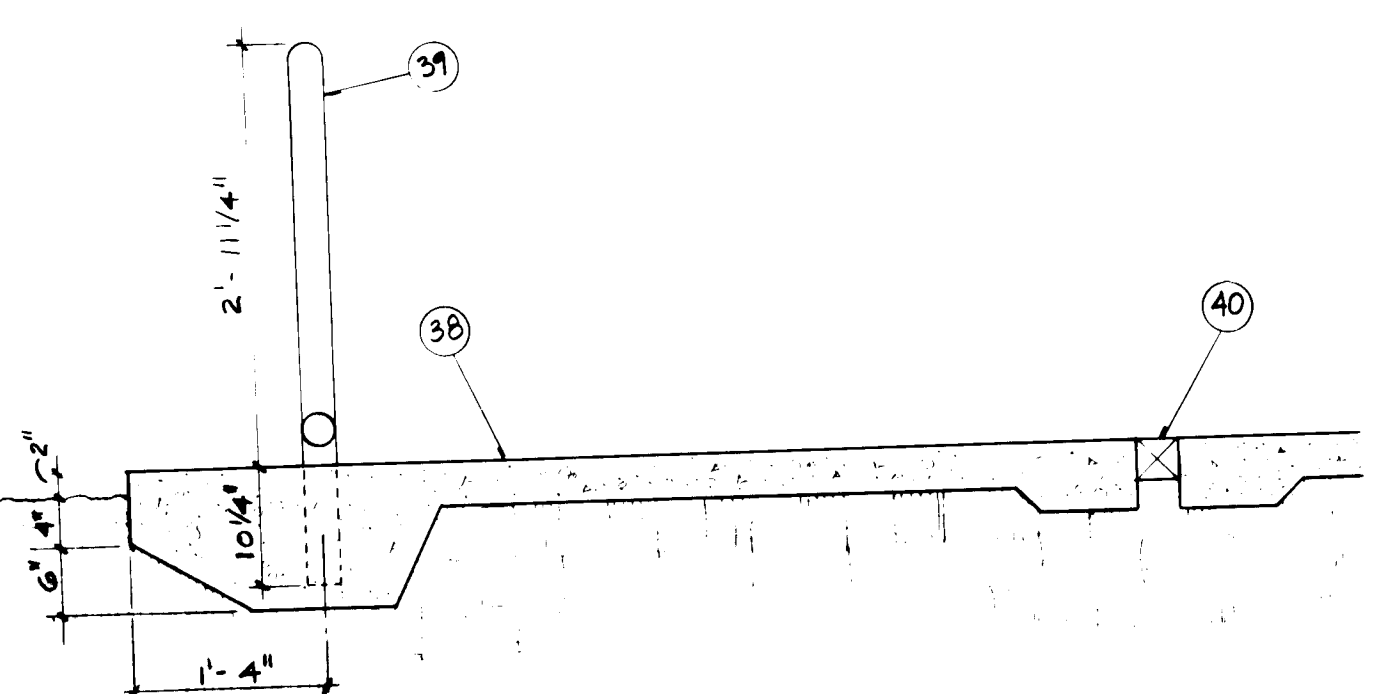
SECTION RETAINING WALL



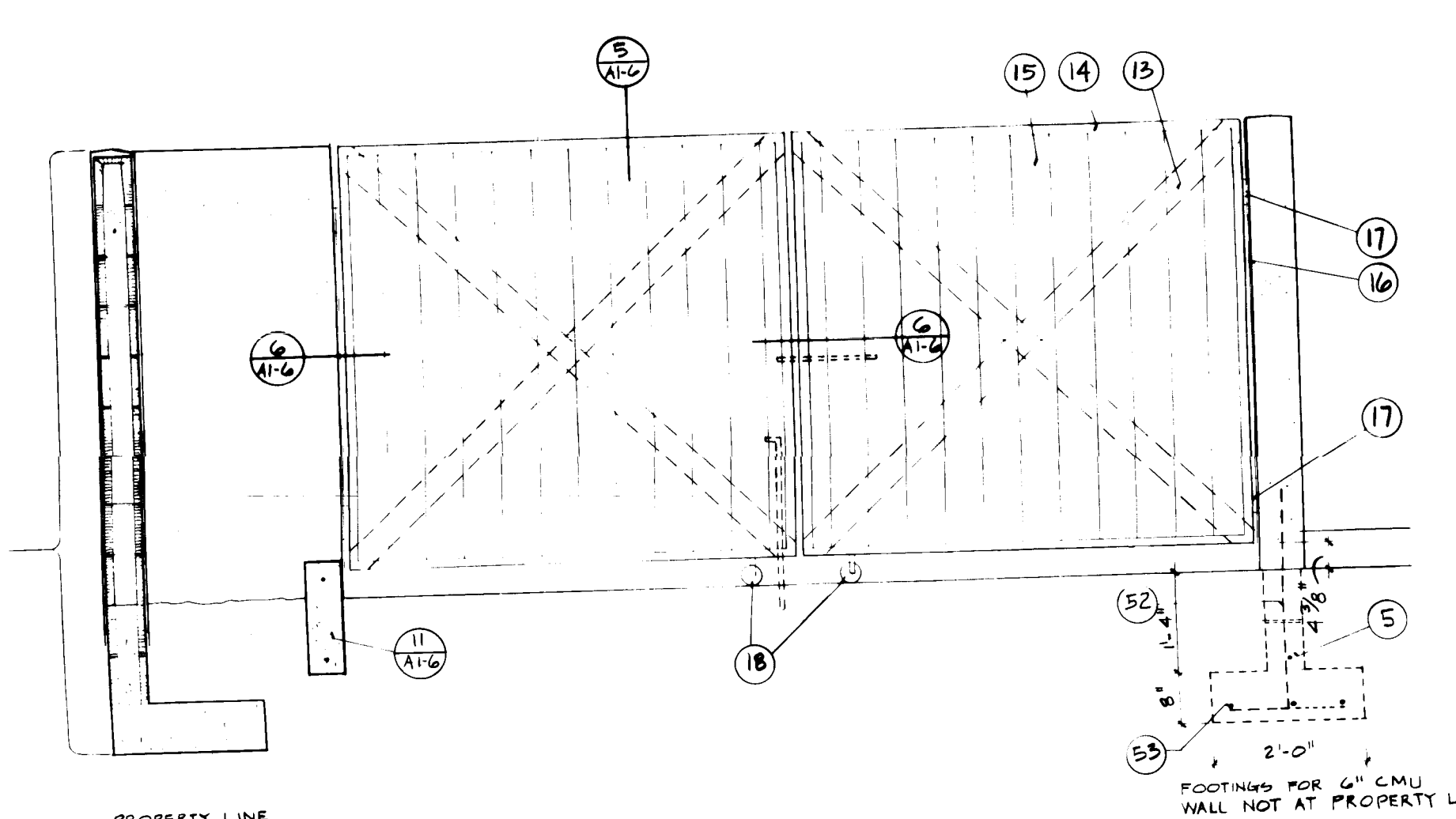
DETAIL ROOF DRAIN



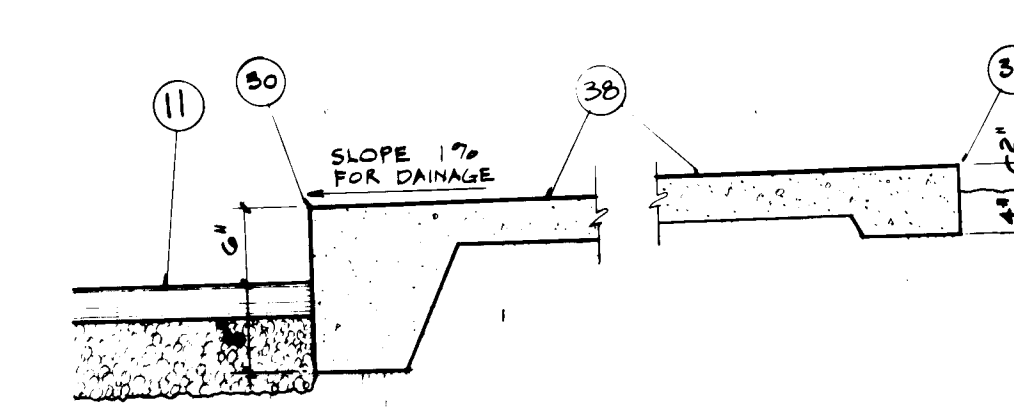
DETAIL STANDING CURB



DETAIL BICYCLE RACK



ELEVATION DUMPSTER ENCLOSURE



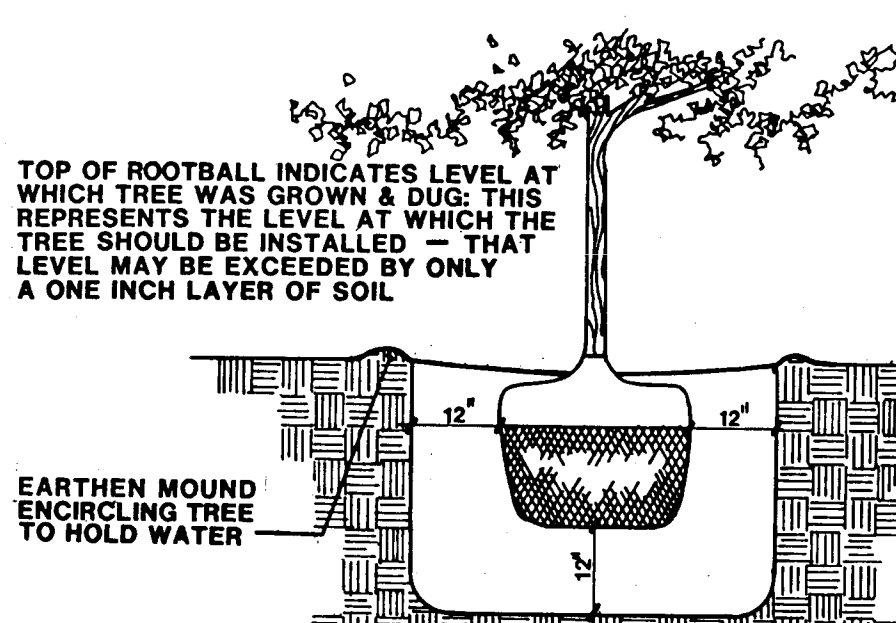
DETAIL TYPICAL SIDEWALL

26 3915 05 93

RECORD DRAWING APRIL 14, 1992

PLANT LEGEND

10 Pinus ponderosa 'Summit'	Summit Ash	2' 24" Hx
6 Betula nigra	Western River Birch	15 gal.
4 Syzygium japonica	Japanese Red Pine	2' 24" Hx
7 Prunus canadensis 'Vespa'	K.W. Flowering Plum	2' 24" Hx
3 Pinus nigra	Austrian Pine	8'-10' Hx
104 Juniperus sibirica 'Broadmoor'	Broadmoor Juniper	5 gal.
11 Photinia fraseri	Photinia	5 gal.
255 Lonicera japonica 'Halliana'	Heavy Shrub	1 gal.
50 Viburnum major	Viburnum	12" o.c. from flats
270 Hedera helix	English Ivy	12" o.c. from flats
14 Berberis thunbergii	Boston Ivy	1 gal.



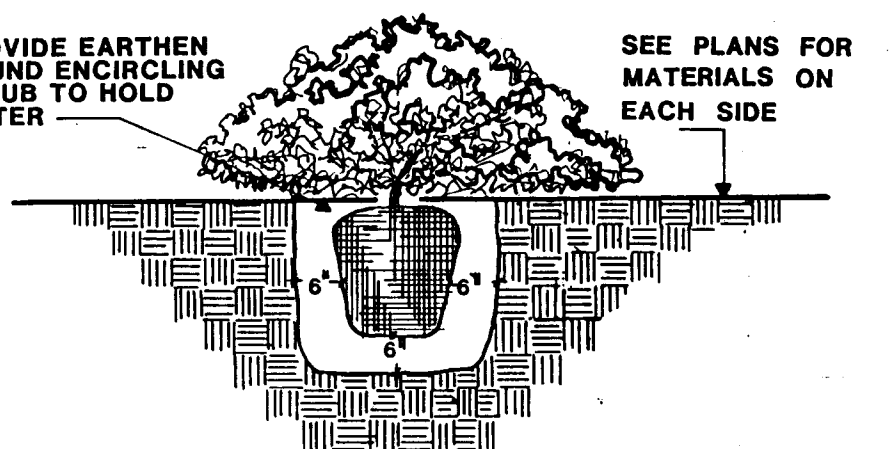
TOP OF ROOTBALL INDICATES LEVEL AT WHICH TREE WAS GROWN & THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED - THAT LEVEL MAY BE EXCEEDED BY ONLY A ONE INCH LAYER OF SOIL

EARTHEN MOUND ENCIRCLING TREE TO HOLD WATER

PLANTING PITS SHALL BE TWO FEET GREATER IN DIAMETER THAN THE ROOTBALL AND TWELVE INCHES GREATER THAN THE DEPTH OF THE ROOTBALL

BACKFILL SHALL CONSIST OF THREE PARTS EXISTING AND ONE PART PEAT MOSS

TREE DETAIL (TYPICAL) N.T.S.



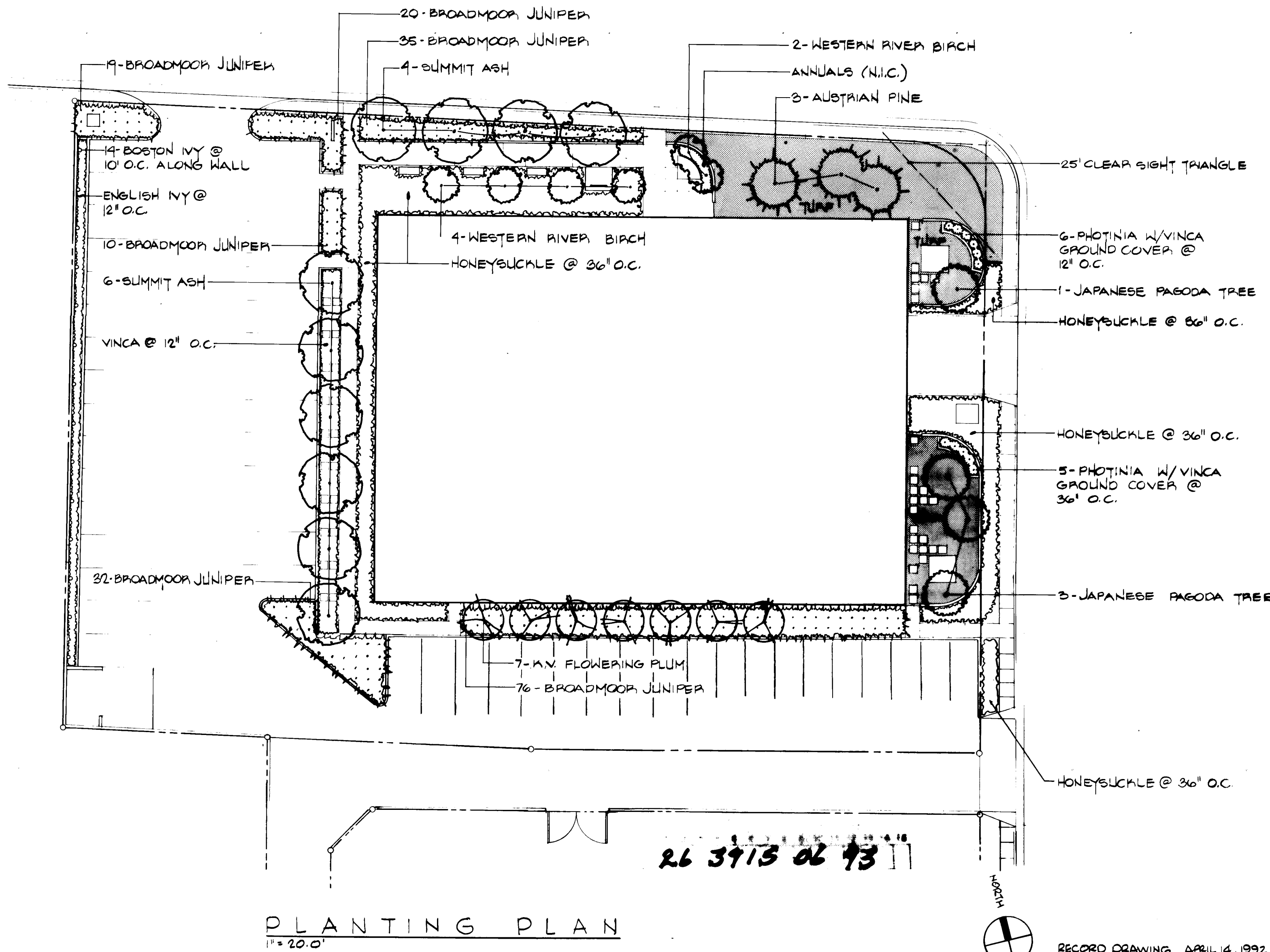
PROVIDE EARTHEN MOUND ENCIRCLING SHRUB TO HOLD WATER

SEE PLANS FOR MATERIALS ON EACH SIDE

PLANTING PITS FOR SHRUBS SHALL BE ONE FOOT GREATER IN DIAMETER THAN ROOTBALL AND SIX INCHES GREATER IN DEPTH THAN THE ROOTBALL

BACKFILL SHALL CONSIST OF THREE PARTS EXISTING SOIL & ONE PART PEAT MOSS

SHRUB DETAIL (TYPICAL) N.T.S.



PLANTING PLAN 1" = 20' 0"

26 3713 06 93

RECORD DRAWING APRIL 14, 1992

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



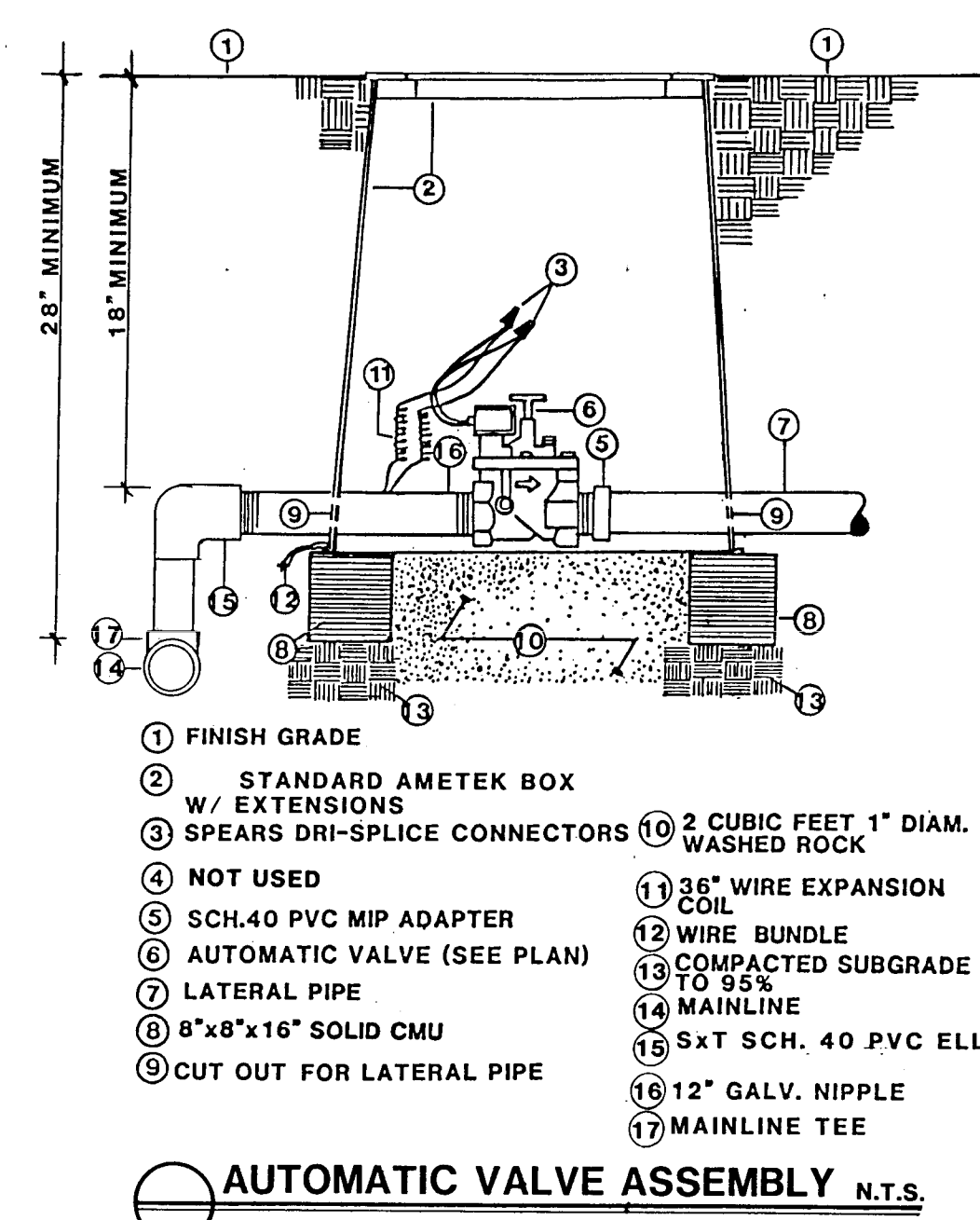
STATE OF NEW MEXICO
DANIEL L. PEARSON
NO. 1044
REGISTERED ARCHITECT

ARCHITECTS
Hoshour & Pearson
2001 Co. Avenue, S.W.
Albuquerque, N.M. 87102
(505) 941-9900

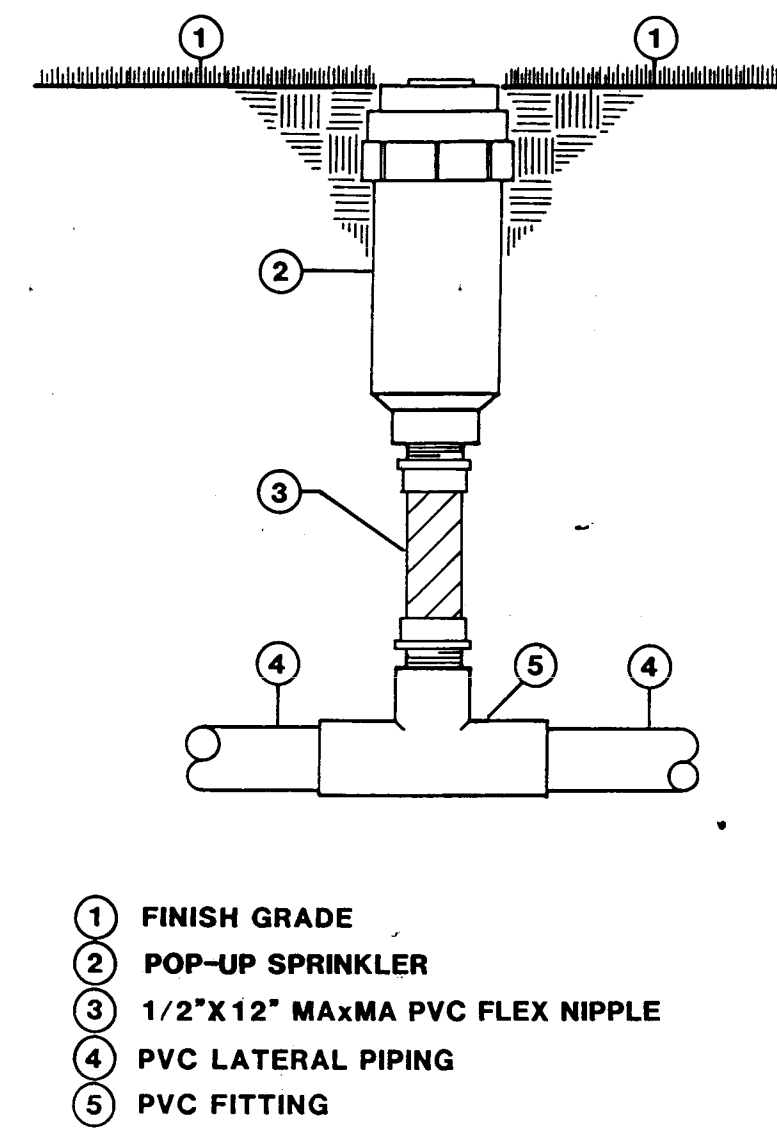
1988 GRIEGOS ROAD NW
LOS GRIEGOS BRANCH LIBRARY
RELOCATION AND EXPANSION
CITY OF ALBUQUERQUE

LANDSCAPE PLANTING PLAN

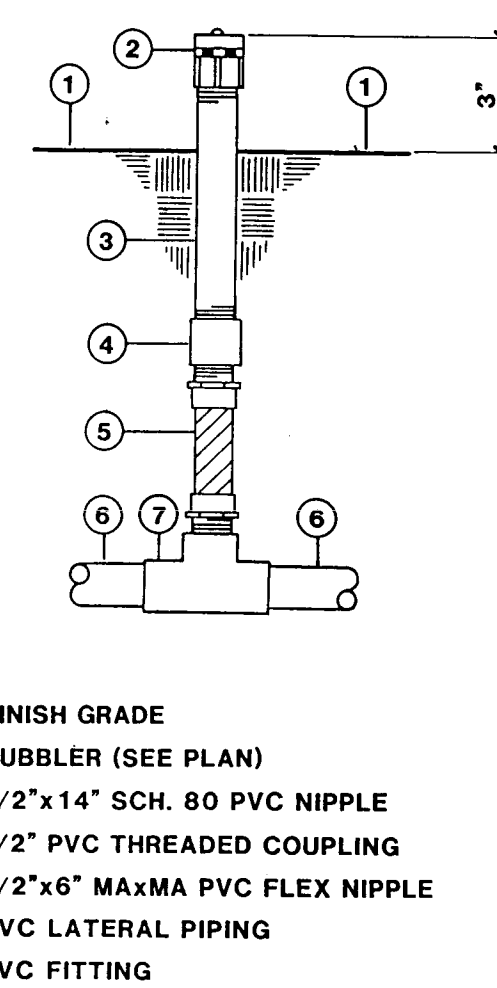
DECEMBER 21, 1989
A1-7



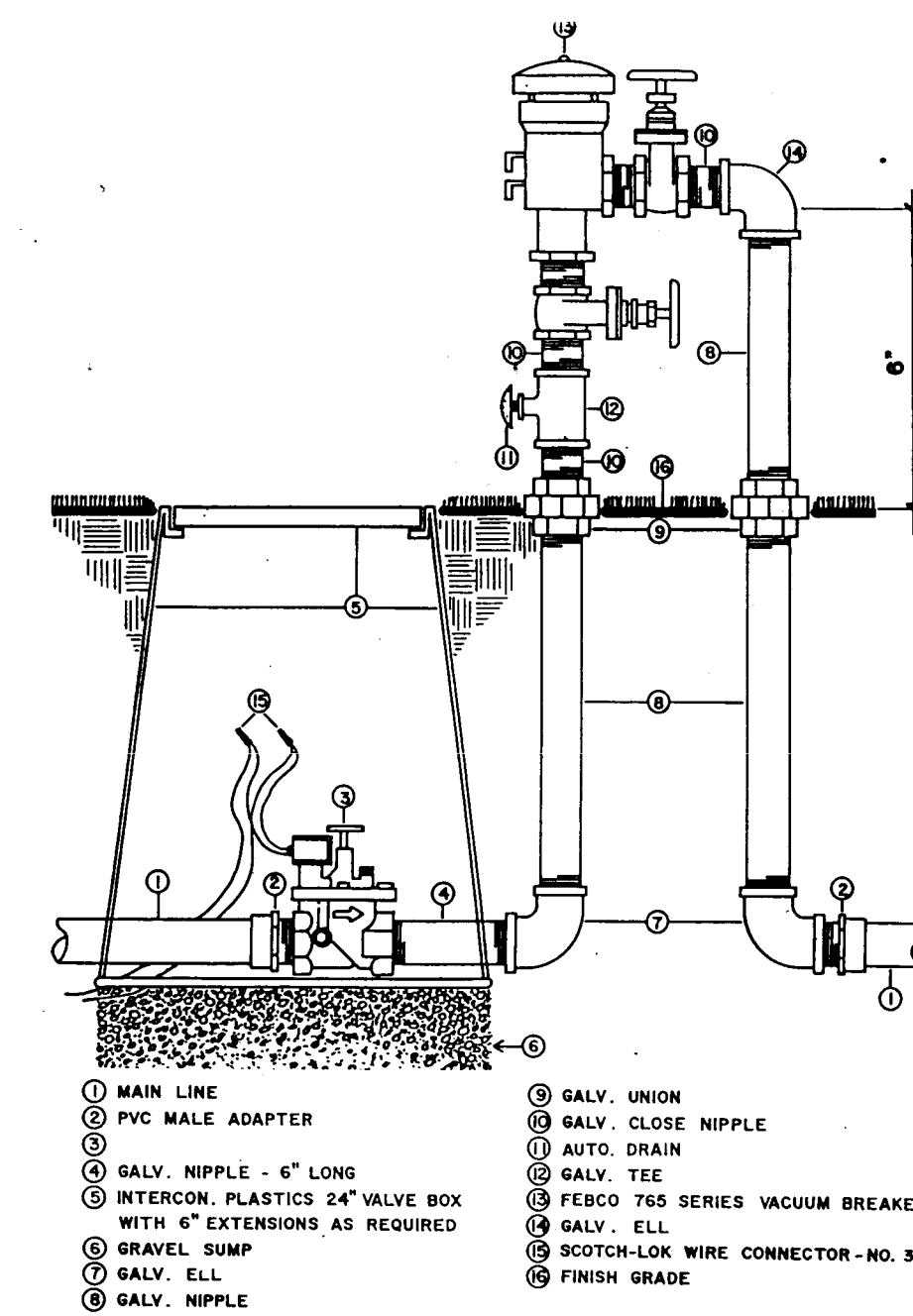
AUTOMATIC VALVE ASSEMBLY N.T.S.



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



FLOOD BUBBLER N.T.S.

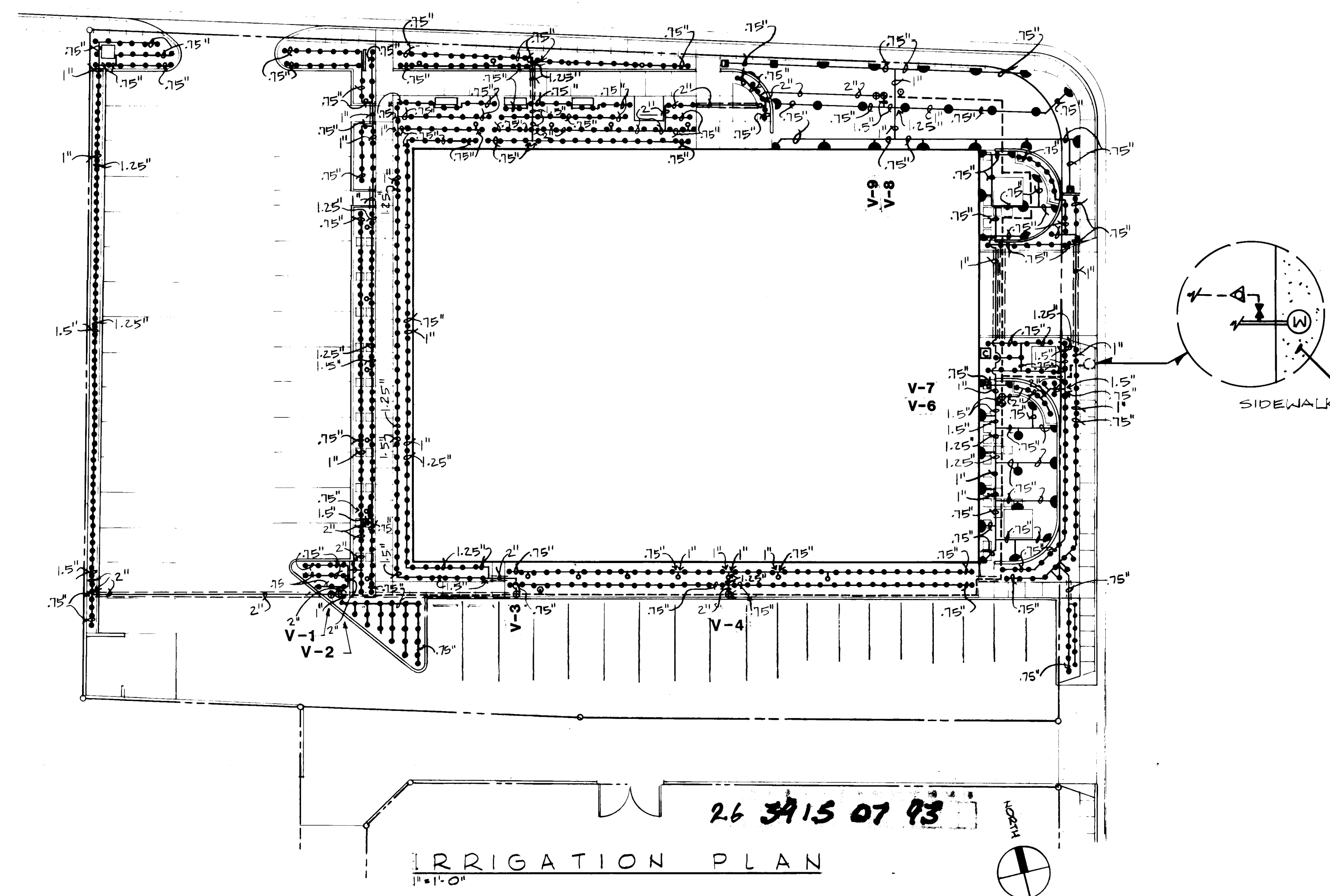


MASTER VALVE & VACUUM
BREAKER ASSEMBLY N.T.S.

- IRRIGATION LEGEND
- Water meter, Size 2", (See Site Plumbing Plan)
 - Water main from water meter to building, (See Site Plumbing Plan)
 - Manual valve assembly, **CHAMPION** 100RS-200, Straight valve with rising stem.
 - Master valve assembly, **RAINBIRD** 200 EPA-CP, Automatic valve with **RAINBIRD** PVB-200-R Pressure Vacuum Breaker, Size 2" See Detail.
 - Main-line piping, Class 200, O-Ring Gasket, Size 2.5" end PVC, 30" depth of bury.
 - Automatic valve assembly, **RAINBIRD** 200-PE 2" Automatic valve See Detail.
 - Automatic valve assembly, **RAINBIRD** 150 PE-PRS 1.5" pressure regulating automatic valve. See Detail.
 - Manual drain assembly, **CHAMPION** 100-RS-075, Size 3/4"
 - Lateral piping, Class 200 PVC, 18" depth of bury, size as indicated on Plan.
 - Lawn sprinkler assembly, **RAINBIRD** 1804, with 4" pop-up riser See Detail.
- | NOZZLE | AREA OF COVERAGE | GPM | PSI |
|--------|------------------|------|-----|
| 120 | 12' Radius | .65 | 30 |
| 12T | 12' Radius | .87 | 30 |
| 12H | 12' Radius | 1.30 | 30 |
| 12TT | 12' Radius | 1.74 | 30 |
| 12TQ | 12' Radius | 1.95 | 30 |
| 12P | 12' Radius | 2.60 | 30 |
| 15EST | 4'x15' | .61 | 30 |
| 15SST | 4'x30' | 1.21 | 30 |

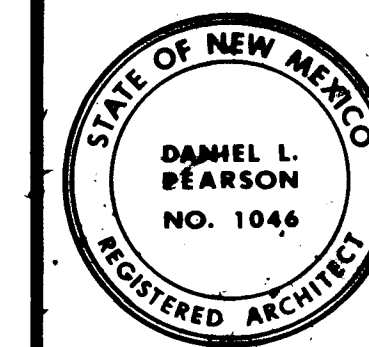
- Bubbler assembly **RAINBIRD** 1402, Pressure Compensating bubbler, .55 GPM @ 30 PSI. See Detail.
- Bubbler assembly, **RAINBIRD** 1403, Pressure compensating bubbler, 1.05 GPM @ 25 PSI. See Detail.
- Automatic Irrigation Controller, **RAINBIRD** RC-1860AB, 18 station, Dual program mechanical controller. See Detail.

VALVE LEGEND	
GPM/ZONE	VALVE SIZE
V-1 43 GPM	2"
V-2 62 GPM	2"
V-3 57 GPM	2"
V-4 45 GPM	2"
V-5 DELETED	
V-6 27 GPM	1.5"
V-7 43 GPM	1.5"
V-8 33 GPM	1.5"
V-9 60 GPM	2"



RECORD DRAWING APRIL 4, 1992
REV. 9-20-90

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



ARCHITECT
Hoshour & Pearson
1000 GRIEGOS ROAD NW
ALBUQUERQUE, NM 87102
505/153-1900

LOS GRIEGOS BRANCH LIBRARY
CITY OF ALBUQUERQUE
RENOVATION AND EXPANSION

LANDSCAPE IRRIGATION PLAN

DECEMBER 21, 1991

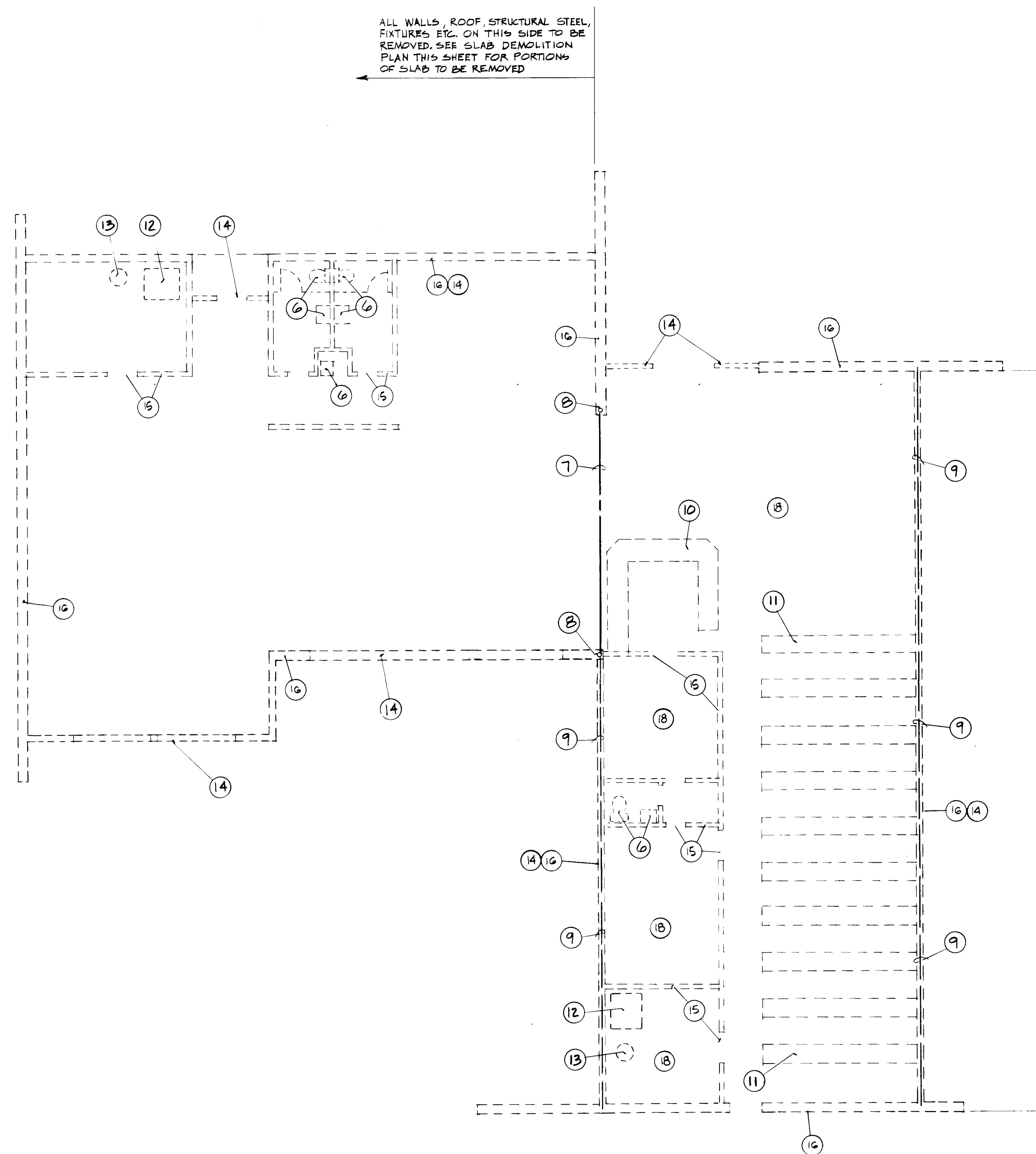
A1-8

ABOVE SLAB DEMOLITION

- Remove plumbing fixtures. See Site Demolition Plan sheet A1-3 for water and sewer line connections.
- Existing M beam to remain.
- Existing steel pipe column to remain.
- Remove existing steel channel. Support steel roof joists until new structure is installed. See Slab Demolition Plan this sheet for steel column removal.
- Remove existing counter.
- Remove book stacks.
- Remove existing heating units and all ductwork. See Site Demolition Plan sheet A1-3 for gas line connections.
- Remove existing water heater and piping. See Site Demolition Plan sheet A1-3 for gas and water line connections.
- Remove all glazing and frames.
- Remove all doors, frames and partitions.
- Remove brick walls.
- Remove floor covering. Prepare floor for new work.
- Remove existing ceiling finish and suspension systems.

SLAB DEMOLITION

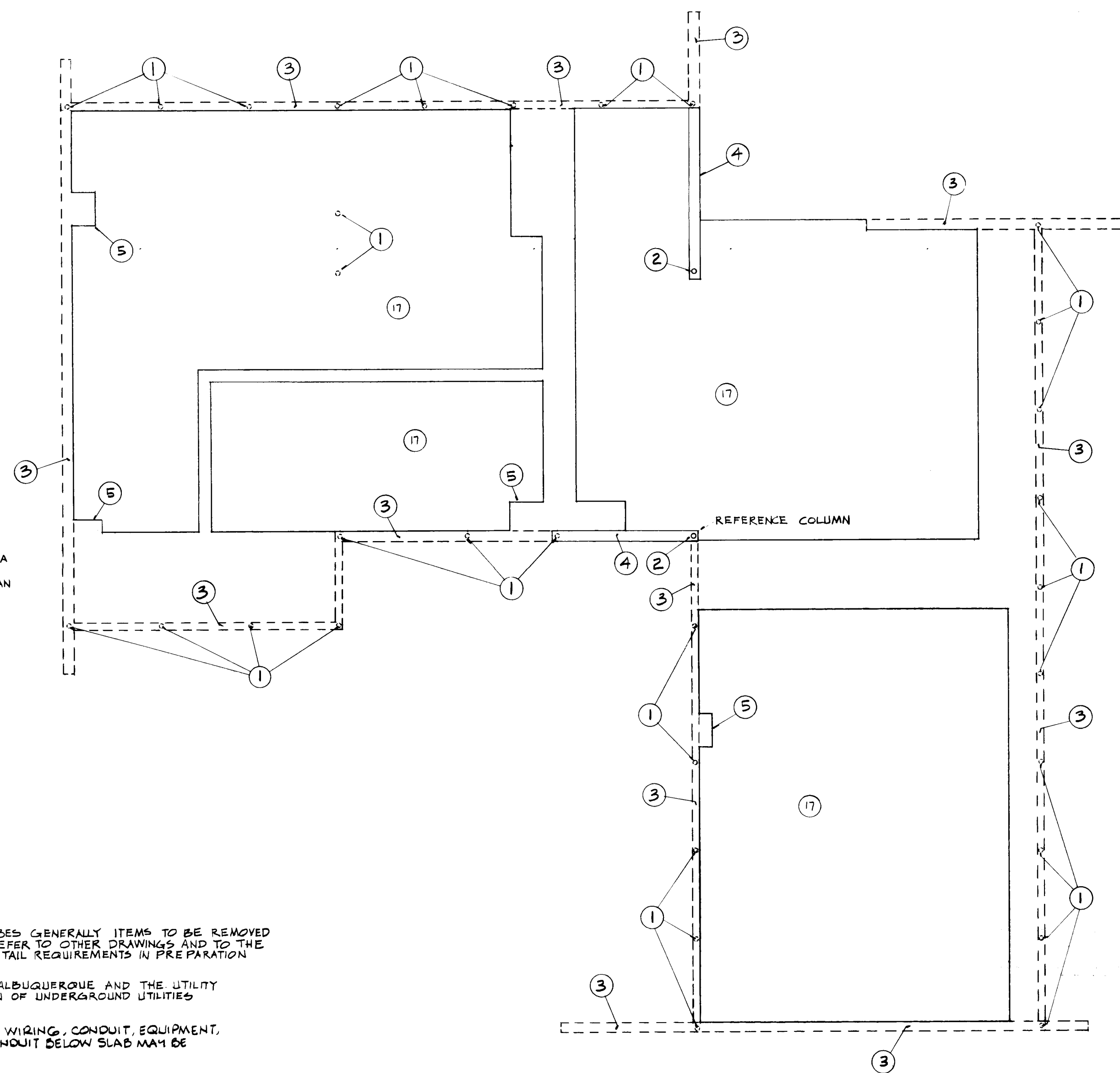
- Remove steel columns. See Above Slab Demolition Plan for structural steel demolition.
- Existing column to remain.
- Remove stem wall and footing.
- Stem wall and footing to remain.
- Remove existing slab as needed for new footing. See Foundation Plan A2-1.



ABOVE SLAB DEMOLITION PLAN
1/8" = 1'-0"

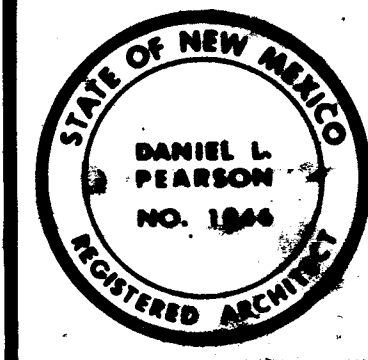
REMOVE ALL WALLS, FIXTURES IN THIS AREA
STEEL JOISTS & ROOF IN THIS AREA
TO REMAIN. SEE SLAB DEMOLITION PLAN
THIS SHEET FOR STEEL COLUMN
REMOVAL. SHORE UP ROOF ASSEMBLY
UNTIL NEW STRUCTURE IS INSTALLED.

- GENERAL NOTE:
- DEMOLITION PLAN DESCRIBES GENERALLY ITEMS TO BE REMOVED UNDER THIS CONTRACT. REFER TO OTHER DRAWINGS AND TO THE SPECIFICATIONS FOR DETAIL REQUIREMENTS IN PREPARATION FOR NEW WORK.
 - VERIFY WITH CITY OF ALBUQUERQUE AND THE UTILITY COMPANIES FOR LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATION.
 - REMOVE ALL ELECTRICAL WIRING, CONDUIT, EQUIPMENT, FIXTURES & DEVICES. CONDUIT BELOW SLAB MAY BE ABANDONED IN PLACE.
 - REMOVE ALL EXISTING HEATING & COOLING EQUIPMENT, DUCTWORK & CONTROLS.



SLAB DEMOLITION PLAN
1/8" = 1'-0"

SHADED AREAS INDICATE PORTIONS
TO BE REMOVED



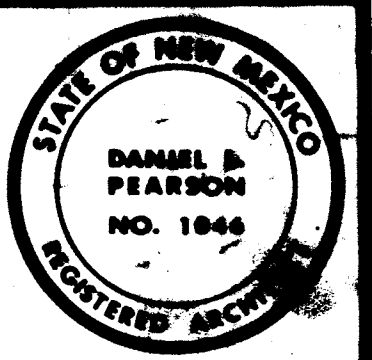
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DEMOLITION PLANS

DECEMBER 21, 1989

A1-9

RECORD DRAWING APRIL 14, 1992

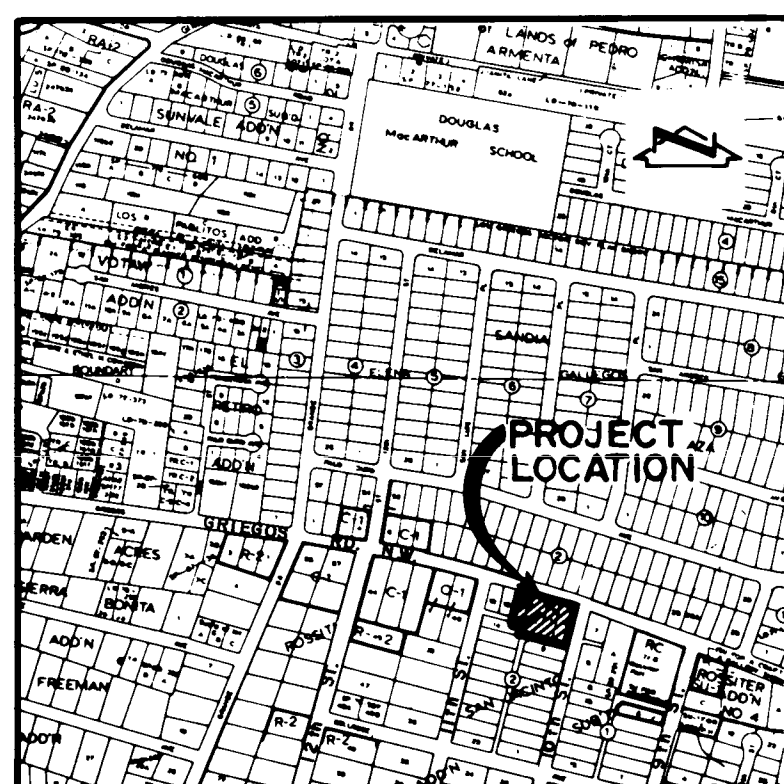


Hoshour & Pearson

GRADING & DRAINAGE PLAN

DECEMBER 21, 1981

A1-10



PROJECT BENCHMARK
A square, $\square$, chiseled on top of the concrete curb at the ENE curb return at the intersection of Griegos Rd. N.W. and 12th Street N.W.
ELEVATION: 4970.16 ft. (M.S.L.D.)

T.B.M.
Nail set in asphalt pavement by City of Albuquerque Survey Section, shown hereon.
ELEVATION: 4969.84 ft. (M.S.L.D.)

LEGAL DESCRIPTION
Tract A, Los Griegos Library Site
DRB 90-116

VICINITY MAP F-14
SCALE: 1" = 800'

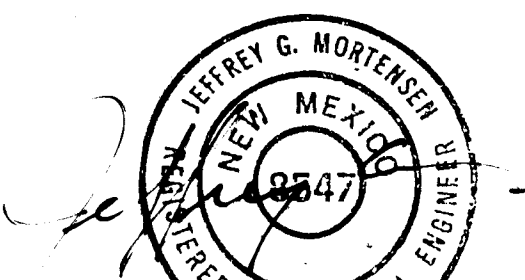
CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE, WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE. THEREFORE, NAMES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR 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 ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
6. THE DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT PART OF THIS PLAN. ALL PLANTERS AND LANDSCAPED AREAS ADJACENT TO THE BUILDING(S) SHALL BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY FLOODING ADJACENT TO THE STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPING PLAN.

EROSION CONTROL MEASURES

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

GRADING AND DRAINAGE PLAN PREPARED UNDER THE SUPERVISION OF



03-22-90 02-10-90

TOPOGRAPHIC SURVEY PREPARED BY OTHERS AND PROVIDED BY OWNER. ITS ADEQUACY IS HEREBY DISCLAIMED AS IT RELATES TO THIS DRAWING.

NOTE:

FOR UTILITY LOCATION INFORMATION, REFER TO SURVEY PREPARED BY CITY OF ALBUQUERQUE SURVEY SECTION AND MECHANICAL AND ELECTRICAL PLANS.



JEFF MORTENSEN & ASSOCIATES, INC.
810 DALLAS NE, ALBUQUERQUE, NM 87110
ENGINEERS & ARCHITECTS (505) 765-5611

LEGEND

- Existing Spot Elevation
- Proposed Spot Elevation
- Existing Deciduous Tree
- Existing Coniferous Tree
- Existing Bush
- Existing Chainlink Fence
- Proposed Asphalt
- Proposed Concrete
- Proposed Wall
- Basin Boundary
- Proposed Waterblock

The following items concerning the Los Griegos Library Grading and Drainage Plan are contained hereon:

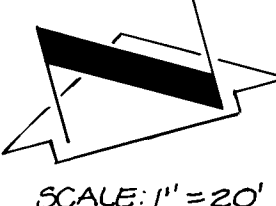
1. Vicinity Map
2. Grading Plan
3. Calculations

As shown by the Vicinity Map, the site is located at the southwest corner of the intersection of Griegos Rd. N.W. and 10th Street N.W. At present, the site is developed. Much of the surrounding area is currently developed residentially, thereby making this a modification to an existing site within an infill area. As shown by Plate F-14 of the Albuquerque Master Drainage Study, this site does not lie within a designated flood hazard zone. However, this site does lie adjacent to a designated flood zone in Los Griegos Road N.W. At present, runoff generated by Basin 1 drains from west to east onto 10th Street N.W. and south to north into Griegos Road N.W. From that point, runoff enters the existing storm drain inlet located in Griegos Road N.W. and 10th Street N.W. Runoff generated by Basin 2 drains to a depressed area located within Basin 2. No offsite flows appear to enter the site along the north and east property lines. Because the existing streets appear to route runoff away from the project site, No offsite flows enter the site along the south and west property lines because the site is topographically higher than the adjacent properties.

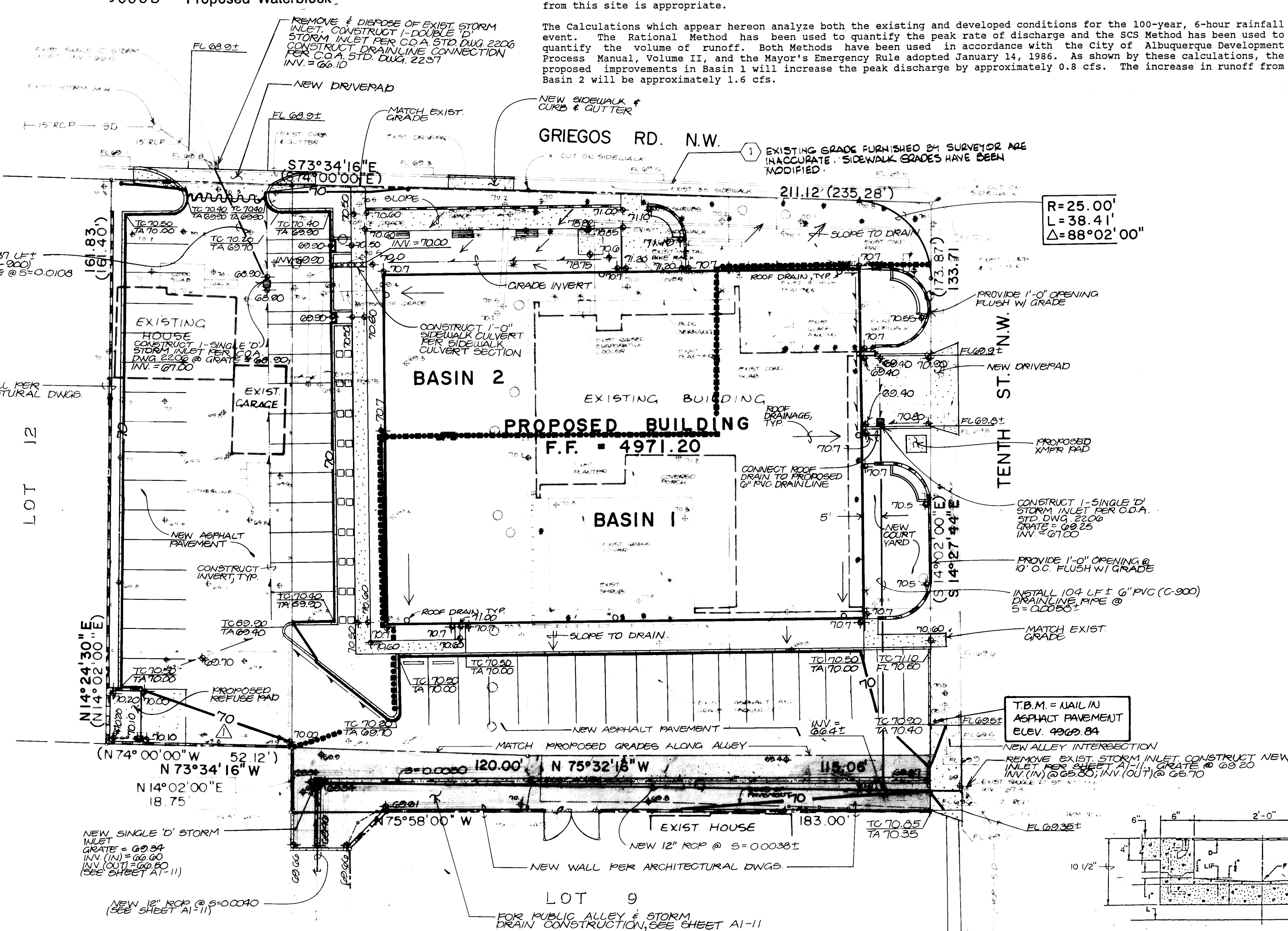
The Grading Plan shows 1) existing grades as shown by the survey prepared by the City of Albuquerque Survey Section, 2) proposed grades indicated by spot elevations and contours at 1'-0" intervals, 3) continuity between existing and proposed grades, and 4) the limit and character of the proposed improvements. As shown by this plan, the proposed improvements consist of the removal of the existing library and construction of a new library along with adjacent paving and landscaping. Runoff generated by Basin 1 will be discharged into a reconstructed storm drain inlet located in 10th Street N.W. via a 12" storm sewer and proposed storm drain inlet. Runoff generated by Basin 2 will be discharged into the existing storm drain inlet located in Griegos Road N.W. via a 6" drain line and proposed storm drain inlet. Based upon the fact that this site is a modification to an existing site within an infill area, the proximity of downstream facilities, the direct discharge of developed runoff into the public storm drain system, the free discharge of runoff from this site is appropriate.

The Calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational Method has been used to quantify the peak rate of discharge and the SCS Method has been used to quantify the volume of runoff. Both Methods have been used in accordance with the City of Albuquerque Development Process Manual, Volume II, and the Mayor's Emergency Rule adopted January 14, 1986. As shown by these calculations, the proposed improvements in Basin 1 will increase the peak discharge by approximately 0.8 cfs. The increase in runoff from Basin 2 will be approximately 1.6 cfs.

DRAINAGE PLAN



SCALE: 1" = 20'



CALCULATIONS

Ground Cover Information

From SCS Bernalillo County Soil Survey
Plate 201 Q2 - Gila loam
Hydrologic Soil Group: B
Existing Pervious CN = 69 (DPM Plate 22.2 C-2)
Open Space: fair condition
Developed Pervious CN = 61 (DPM Plate 22.2 C-2)
Open Space: good condition

Time of Concentration/Time to Peak

$T_c = 0.0078 \frac{1.077}{S^{0.385}}$ (Kirpich Equation)
 $T_p = T_c = 10$ min.

Point Rainfall

$P_g = 2.2$ in. (DPM Plate 22.2 D-1)

Rational Method

Discharge: $Q = CIA$

where C varies
 $C = \frac{P_g (6.84)}{T_c} = 0.51 = 4.65$ in/hr
 $P_g = 2.2$ in (DPM Plate 22.2D-1)
 $T_c = 10$ min (minimum)
 $A =$ area, acres

SCS Method

Volume: $V = 3630(DRO)A$

Where DRO = Direct runoff in inches
 $A =$ area, acres

Existing Condition

Basin 1
A_{total} = 12,270 sf = 0.28 Ac
Roof area = 6,420 sf (0.53)
Paved area = 1,910 sf (0.15)
Landscaped area = 4,140 sf (0.35)
 $C = 0.65$ (Weighted average per Emergency Rule, 1/14/86)
 $Q_{100} = CIA = 0.68(4.65)(0.28) = 0.9$ cfs
 $A_{imp} = 7,950$ sf; $I_{impervious} = 65\%$
Composite CN = 85 (DPM Plate 22.2 C-3)
DRO = 0.95 in (DPM Plate 22.2 C-4)
 $V_{100} = 3630(DRO)A = 965$ cf

Basin 2
A_{total} = 28,150 sf = 0.65 Ac
Roof area = 3,900 sf (0.13)
Paved area = 6,800 sf (0.24)
Landscaped area = 2,800 sf (0.10)
Dirt area = 15,050 sf (0.53)
 $C = 0.65$ (Weighted average per Emergency Rule, 1/14/86)
 $Q_{100} = CIA = 0.58(4.65)(0.65) = 1.8$ cfs
 $A_{imp} = 10,200$ sf; $I_{impervious} = 39\%$
Composite CN = 75 (DPM Plate 22.2 C-3)
DRO = 0.5 in (DPM Plate 22.2 C-4)
 $V_{100} = 3630(DRO)A = 1,180$ cf

Developed Condition

Basin 1
A_{total} = 21,800 sf = 0.50 Ac
Roof area = 4,750 sf (0.22)
Paved area = 9,400 sf (0.43)
Landscaped area = 7,650 sf (0.35)
 $C = 0.65$ (Weighted average per Emergency Rule, 1/14/86)
 $Q_{100} = CIA = 0.69(4.65)(0.50) = 1.6$ cfs
 $A_{imp} = 14,150$ sf; $I_{impervious} = 65\%$
Composite CN = 85 (DPM Plate 22.2 C-2)
DRO = 1.08 in (DPM Plate 22.2 C-4)
 $V_{100} = 3630(DRO)A = 1,905$ cf

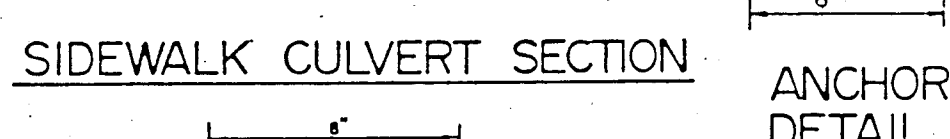
Basin 2
A_{total} = 18,620 sf = 0.43 Ac
Roof area = 8,750 sf (0.47)
Paved area = 8,070 sf (0.43)
Landscaped area = 1,800 sf (0.10)
 $C = 0.65$ (Weighted average per Emergency Rule, 1/14/86)
 $Q_{100} = CIA = 0.81(4.65)(0.43) = 1.7$ cfs
 $A_{imp} = 16,820$ sf; $I_{impervious} = 60\%$
Composite CN = 84 (DPM Plate 22.2 C-2)
DRO = 1.6 in (DPM Plate 22.2 C-4)
 $V_{100} = 3630(DRO)A = 2,500$ cf

Comparison

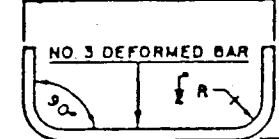
Basin 1
 $Q_{100} = 1.7 - 0.9 = 0.8$ cfs (increase)
 $\Delta V_{100} = 2,900 - 965 = 1,935$ cf (increase)
Basin 2
 $Q_{100} = 1.6 - 0 = 1.6$ cfs (increase)
 $\Delta V_{100} = 1,905 - 1,180 = 725$ cf (increase)

CONSTRUCTION NOTES:

- A. JOIN NEAREST SCORE LINE OR WEAKENED PLANE JOINT PLACE EXHAUST JOINT MATERIAL.
- B. SIDEWALK OR DRIVEWAY JOINT MATERIAL.
- C. 5" RAUOLIT (FLEXIBLE).
- D. 8" CHECKED STEEL PLATE CULVERT TOP.
- E. 8" ANCHOR 4" x 5."
- F. 8" INVERT.
- G. SIDEWALK GRADE.
- H. DOWEL AND JOINT (OPTIONAL).
- I. SUTTER FLOWLINE ELEV.
- J. 8" x 12" IN 3000 STAINLESS STEEL MACHINE SCREW.
- K. BOTTOM OF GUTTER.
- L. DRAIN WIDTH, 24".
- M. SLOPE 1/8" FT. MIN.



SIDEWALK CULVERT SECTION



ANCHOR DETAIL

DOWEL DETAIL

SIDEWALK CULVERT SECTION 26 39.15 04 93

DESIGN BY	L.P.U.	DATE	3/21/90	REVISION	1. REVISE LEGAL DESCRIPTION, 2. BOUNDARY PER FILED PLAT, 3. DELETE PLANTER.	JOB NO.	890066
DRAWN BY	R.A.R.	DATE	02/90			SHEET	OF
APPROVED BY	J.G.M.					A1 - 10	

26 39.15 04 93

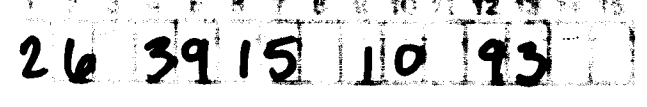
RECORD DRAWING APRIL 14, 1992



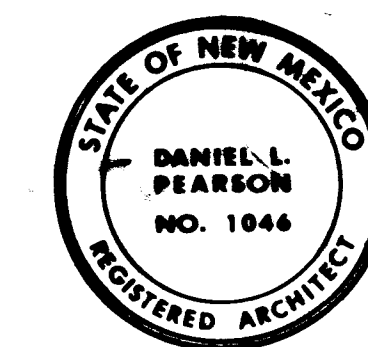
LOS ANGELES BRANCH LIBRARY

ALLEY & STORM DRAIN

A1-11



RECORD DRAWING APRIL 14, 1992
ACCORDING TO THE CONTRACTOR,
WORK WAS INSTALLED AS DRAWN.

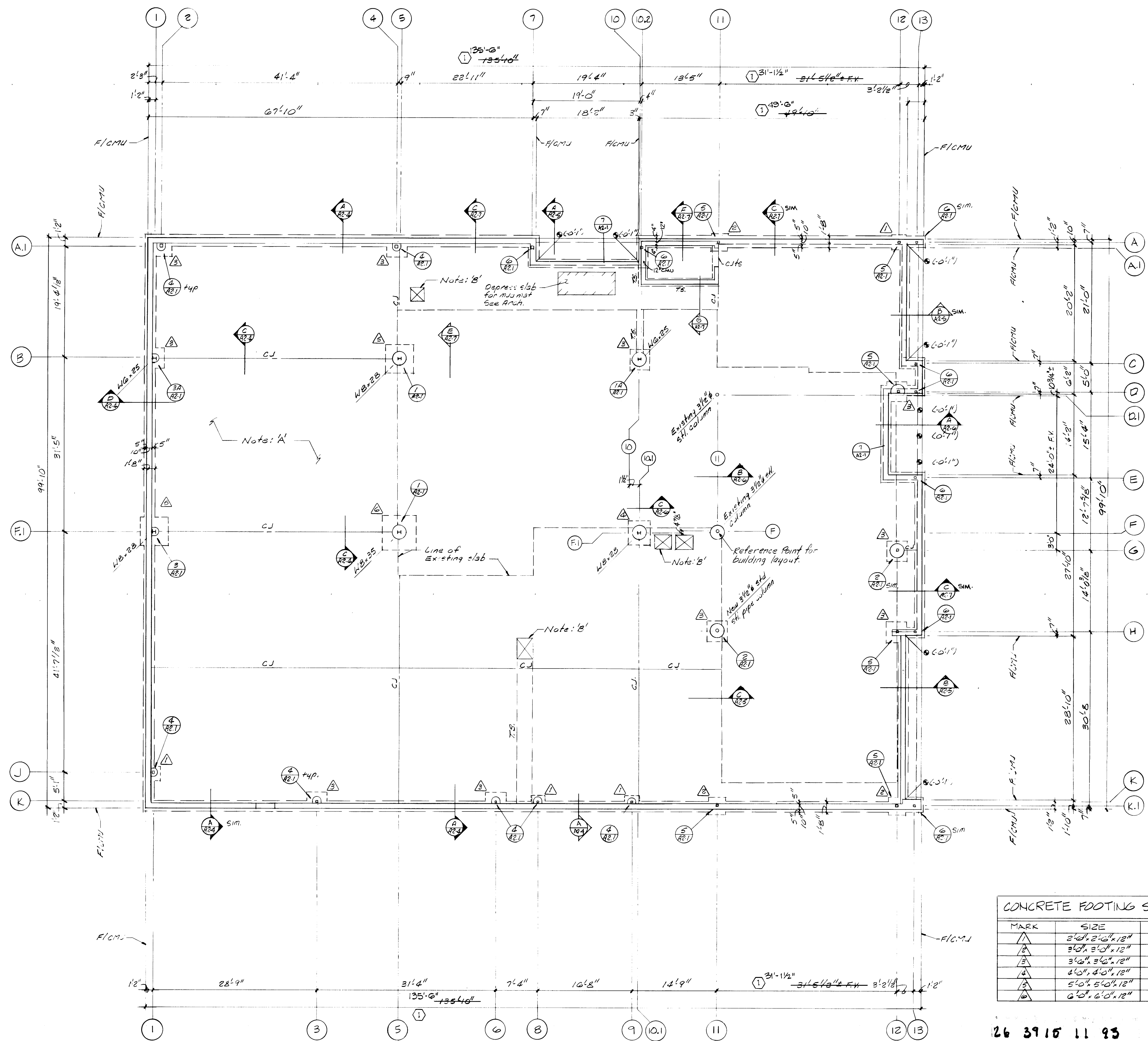
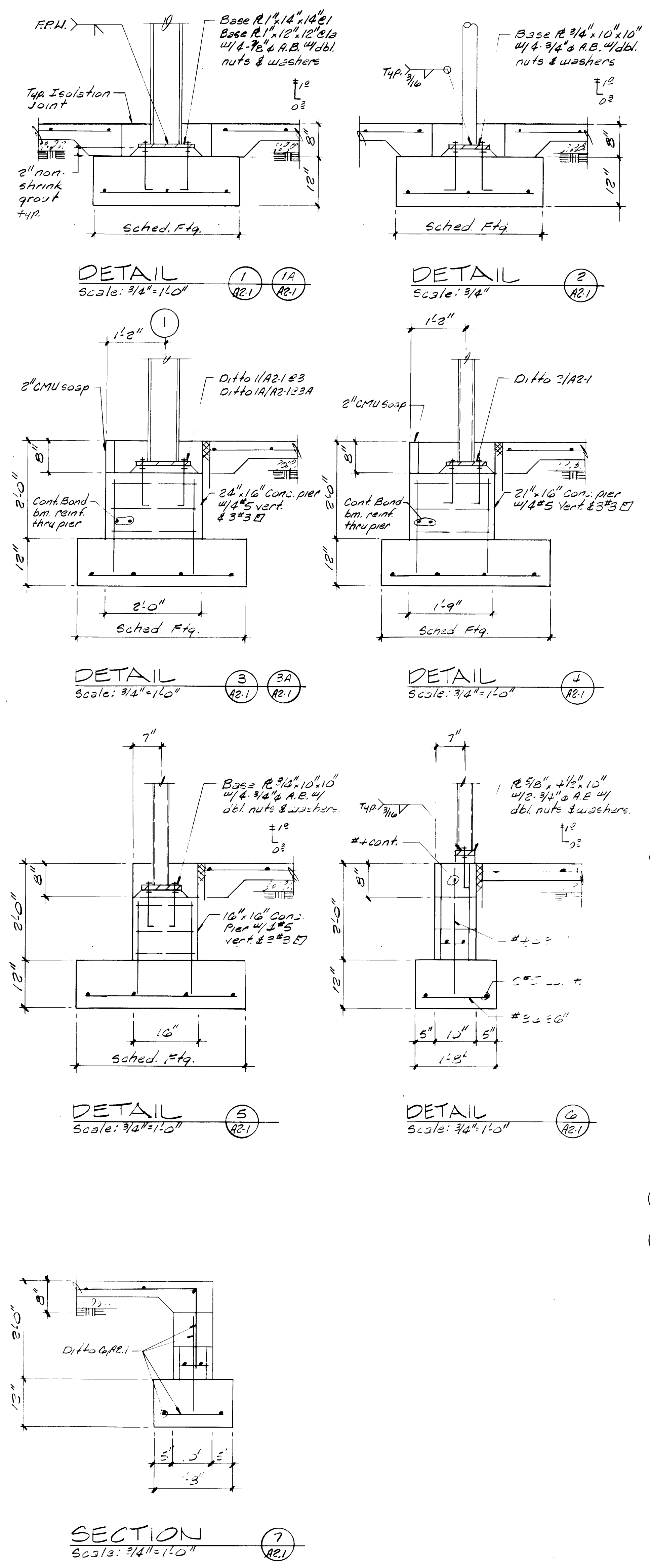


Hoshour & Pearson

FOUNDATION PLAN

DECEMBER 21, 1994

A2-1



CONCRETE FOOTING SCHEDULE		
MARK	SIZE	REIN. E.W.
1	2'0" x 2'0" x 12"	3#4
2	3'0" x 3'0" x 12"	4#4
3	3'0" x 3'0" x 12"	5#4
4	4'0" x 4'0" x 12"	4#5
5	5'0" x 5'0" x 12"	5#5
6	6'0" x 6'0" x 12"	6#5

26 39 16 11 95

FOUNDATION & FLOOR PLAN

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

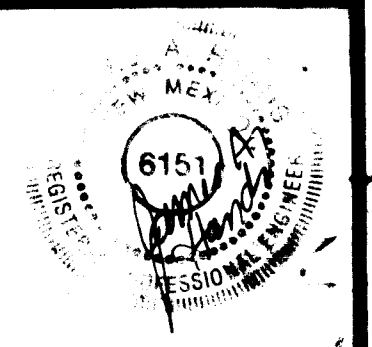
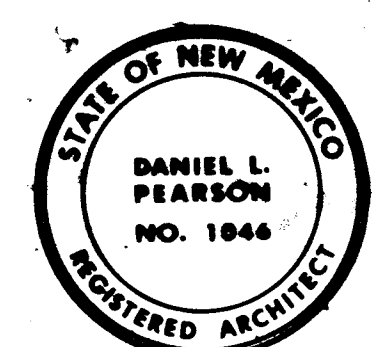
Note: 'A' 4" concrete slab on grade w/ 3#4 @ 14" o.c. each way over 3" compacted gravel (1" max aggregate), typical. Provide 2" sand drains for radon.

F.C.M.U. - Face of CMU stem wall
F.V. - Field verify

See Sheet A2-3 for Typical details & general notes.
All columns shall be T.C. 4" x 4" x 1/2" unless noted otherwise.

Note: 'B' Mech. duct chases. See Mech. for under slab duct layout.

See Sheet A2-3 for Site Grading Notes and Overexcavation Detail.



Hoshour & Pearson

ROOF FRAMING PLAN

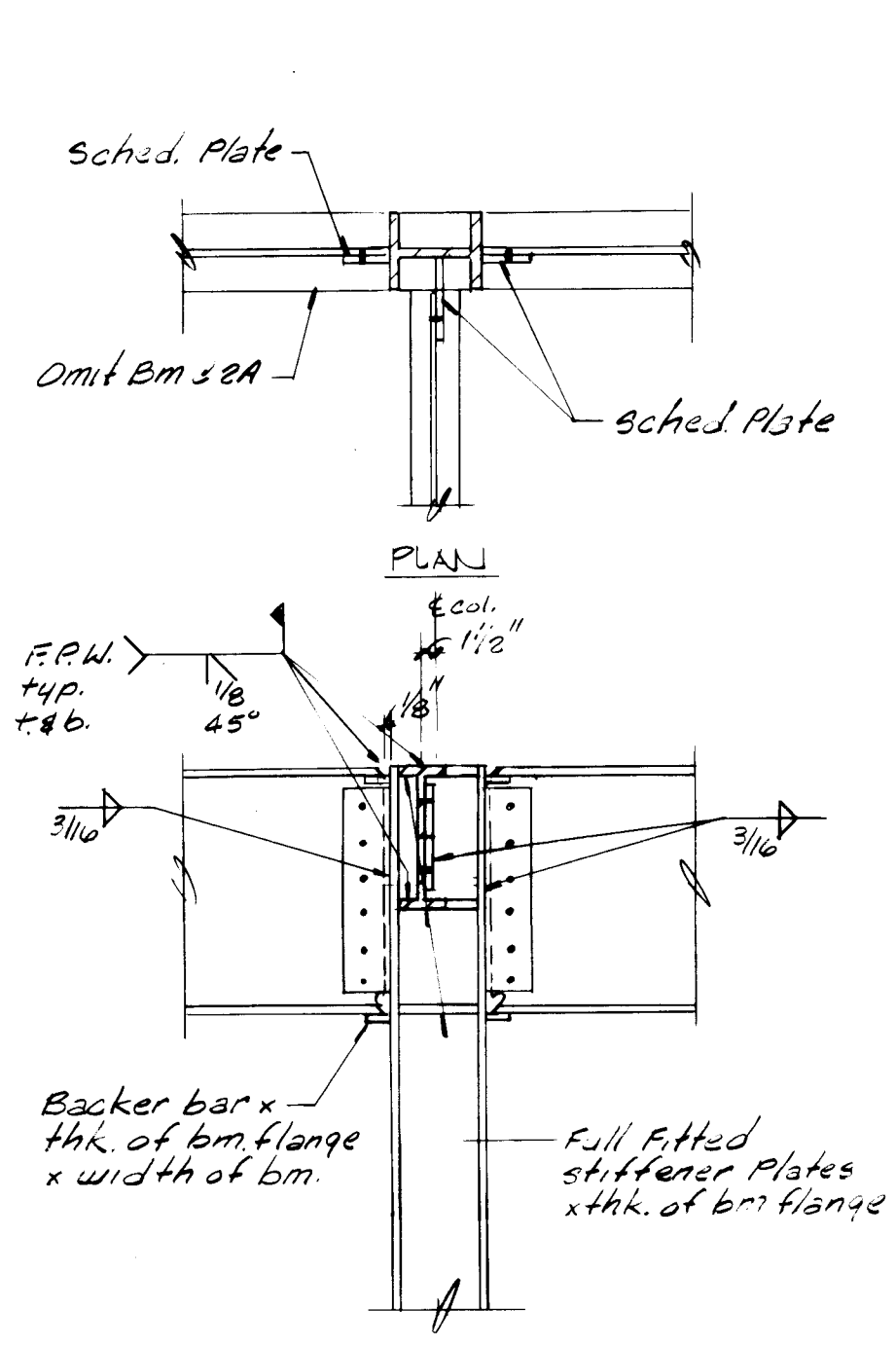
DECEMBER 21, 1969

A2-2

SHEAR PLATE SCHED 'A'		
BEAM	PLATE DEPTH	NO OF BOLTS
W12	9"	3
W14	9"	3
W16	12"	4
W18	15"	5
W21	18"	6

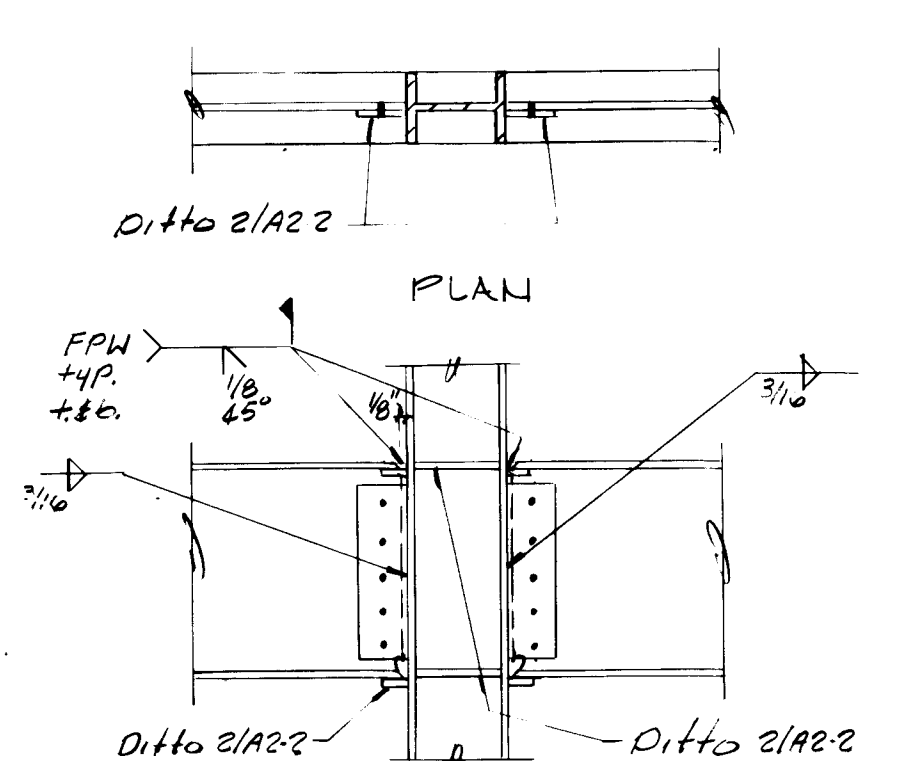
3/4" Bolts A325 N.S.

DETAIL
Scale: 3/4"=1'-0"



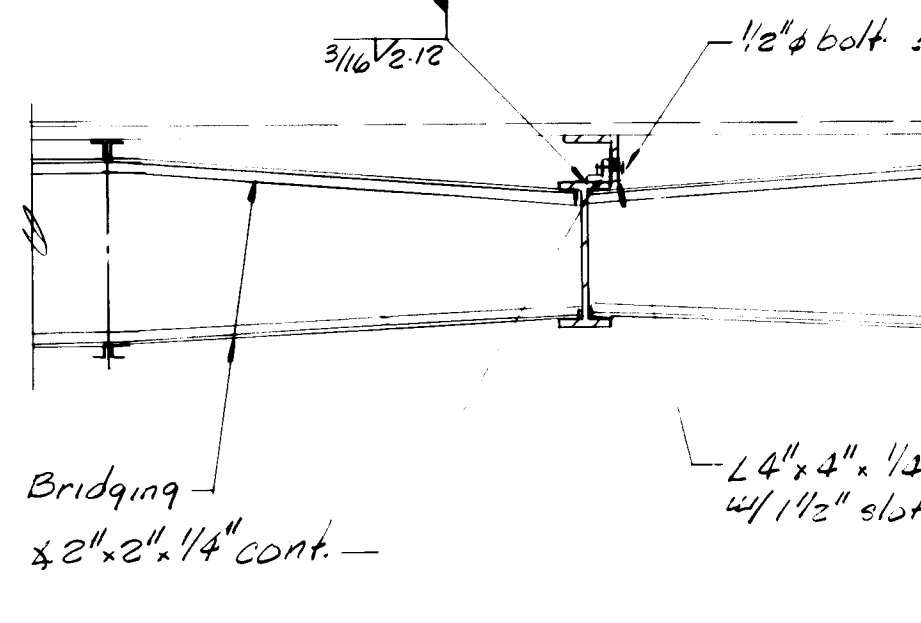
DETAIL
Scale: 3/4"=1'-0"

DETAIL
Scale: 3/4"=1'-0"

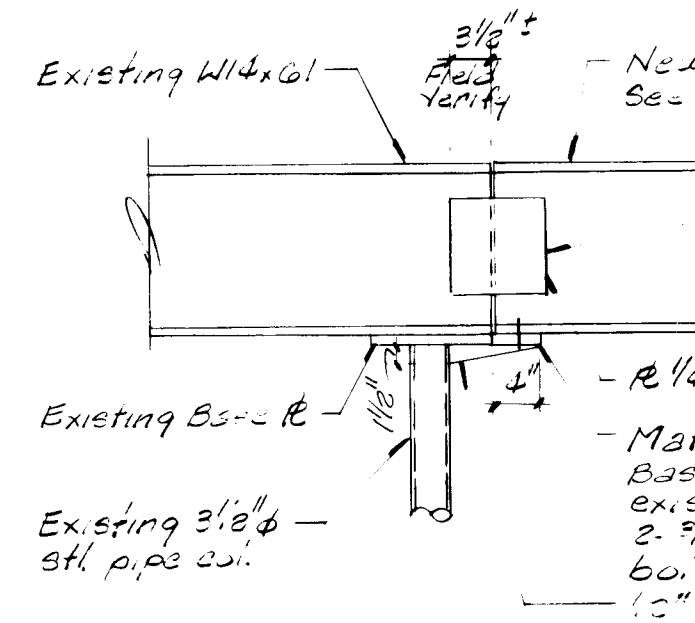


DETAIL
Scale: 3/4"=1'-0"

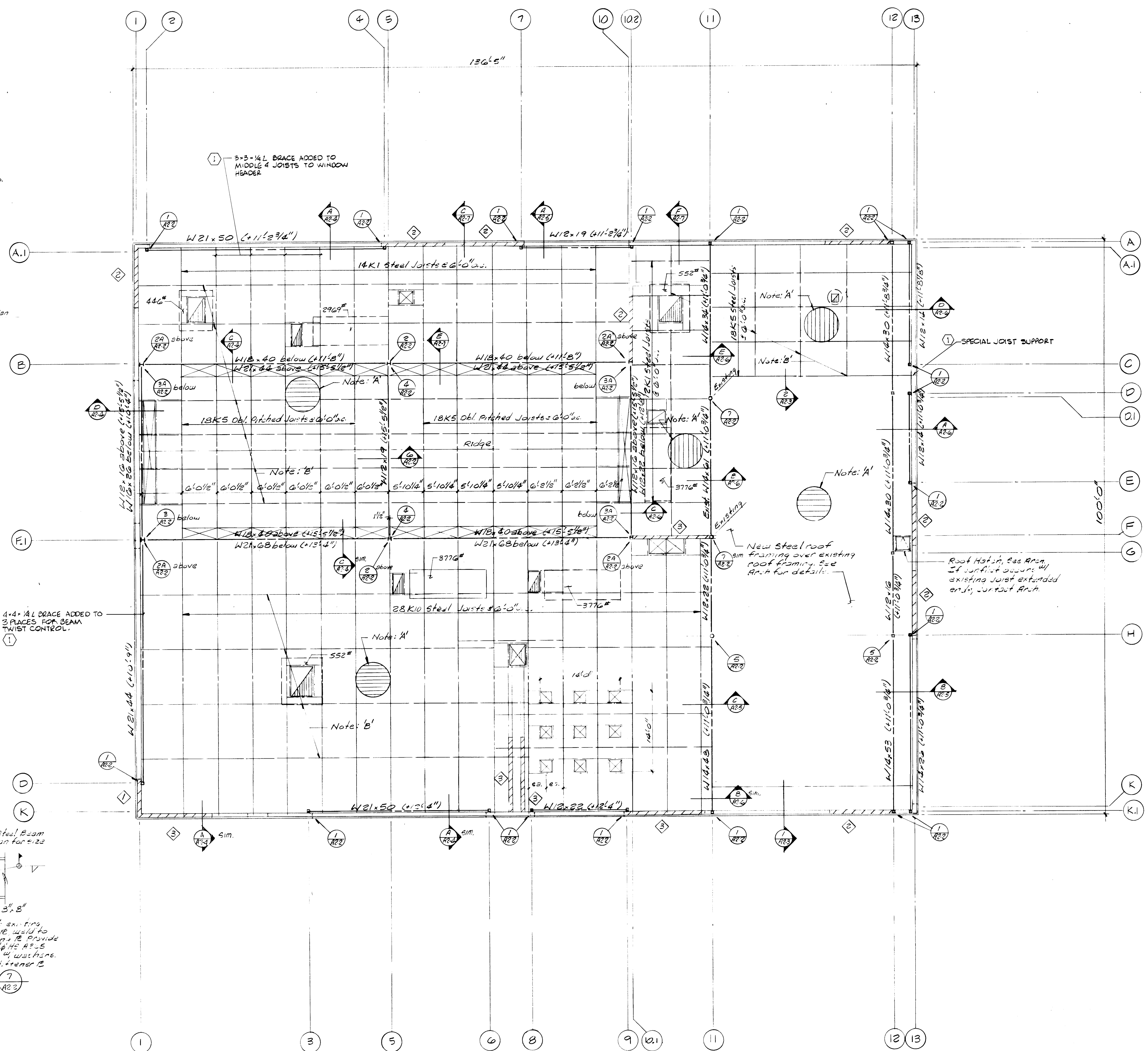
DETAIL
Scale: 3/4"=1'-0"



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



DETAIL
Scale: 3/4"=1'-0"

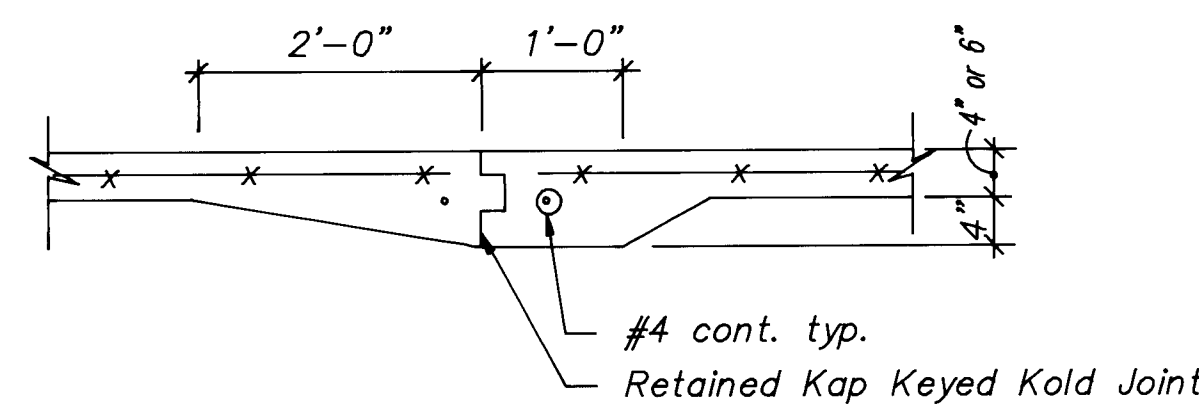


ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

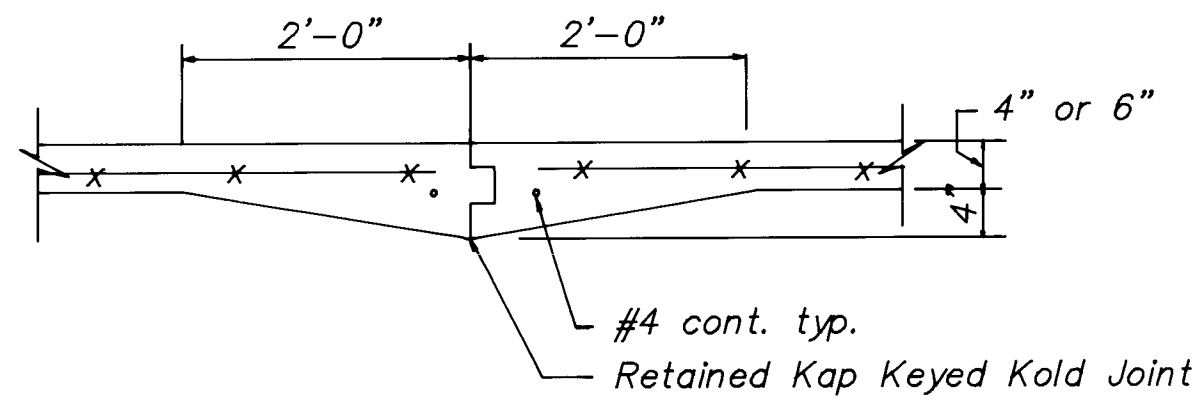
Note: 'A' 1/8" Typs 'B' 20ga. metal deck
8min. = 0.25 in. 1min. = 0.22 in.
See General Notes
for weld spacing

Note: 'B' Horizontal Bridging per S.I.
Weld to top & bottom chords. Typical

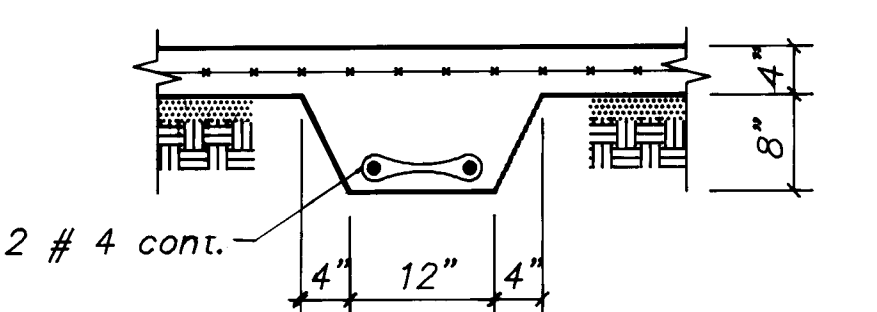
26 3915 12 93



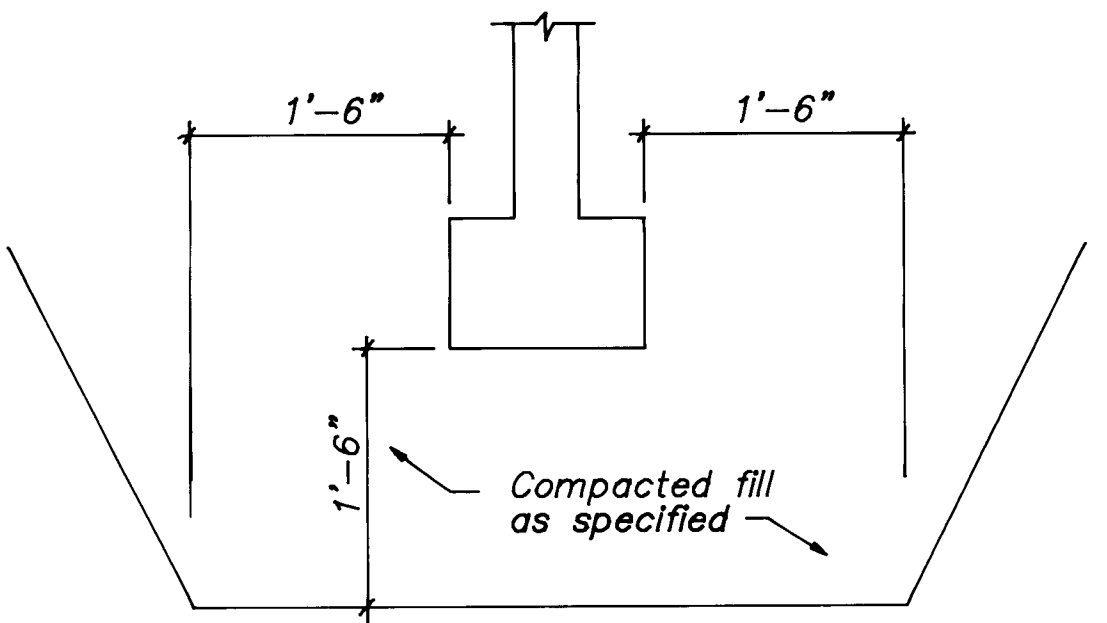
TYPICAL CONSTRUCTION JOINT
@ THICKENED SLAB



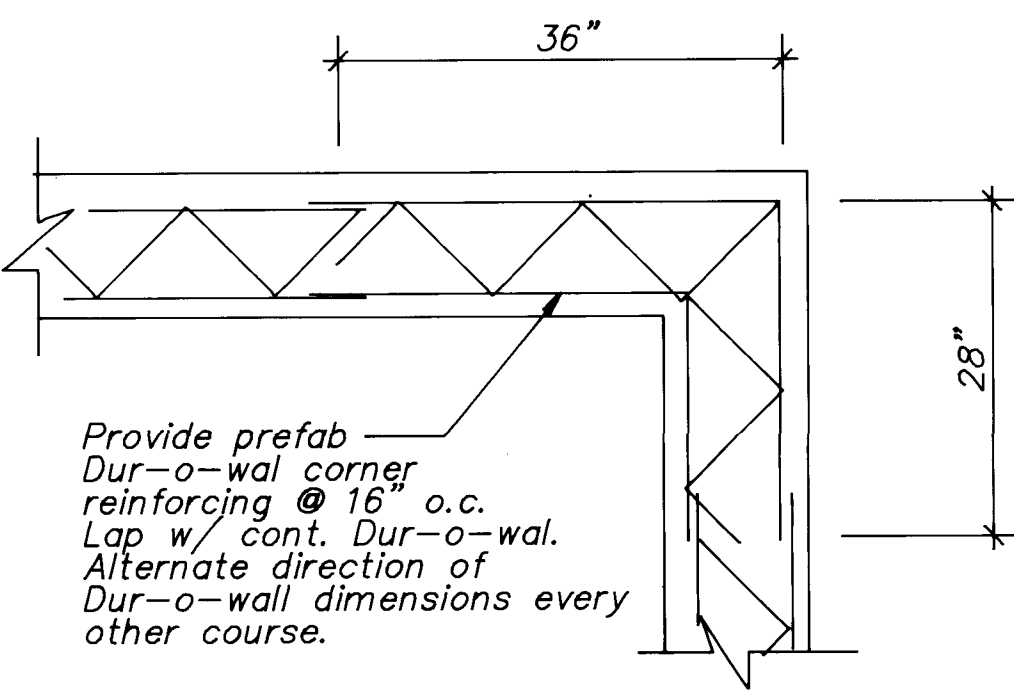
TYPICAL CONSTRUCTION JOINT



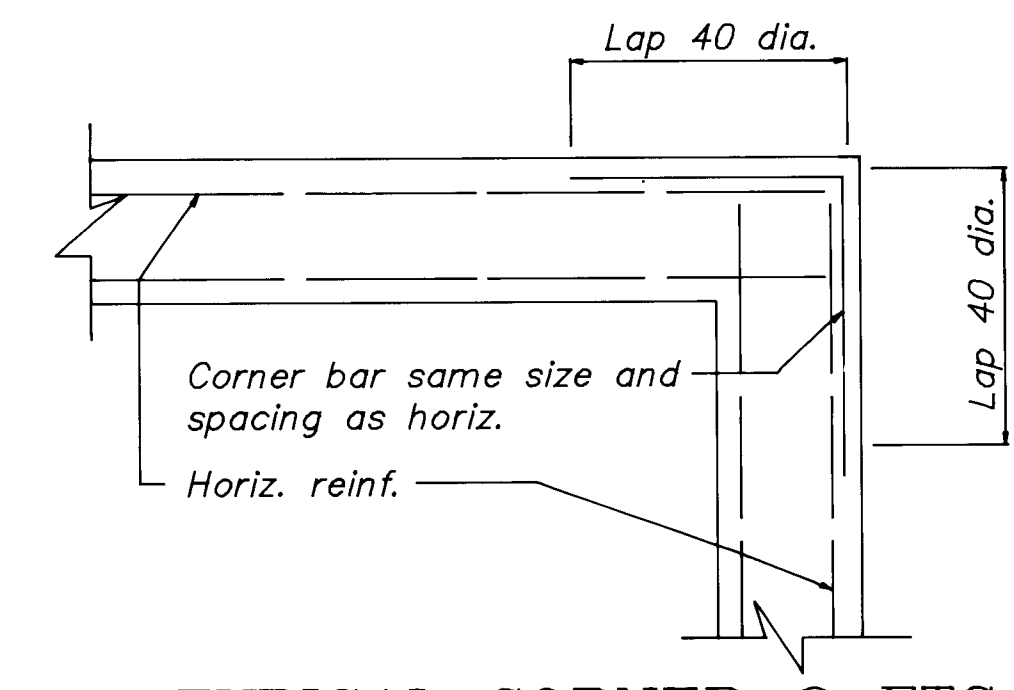
TYPICAL THICKENED SLAB



TYP. OVEREXCAVATION DETAIL



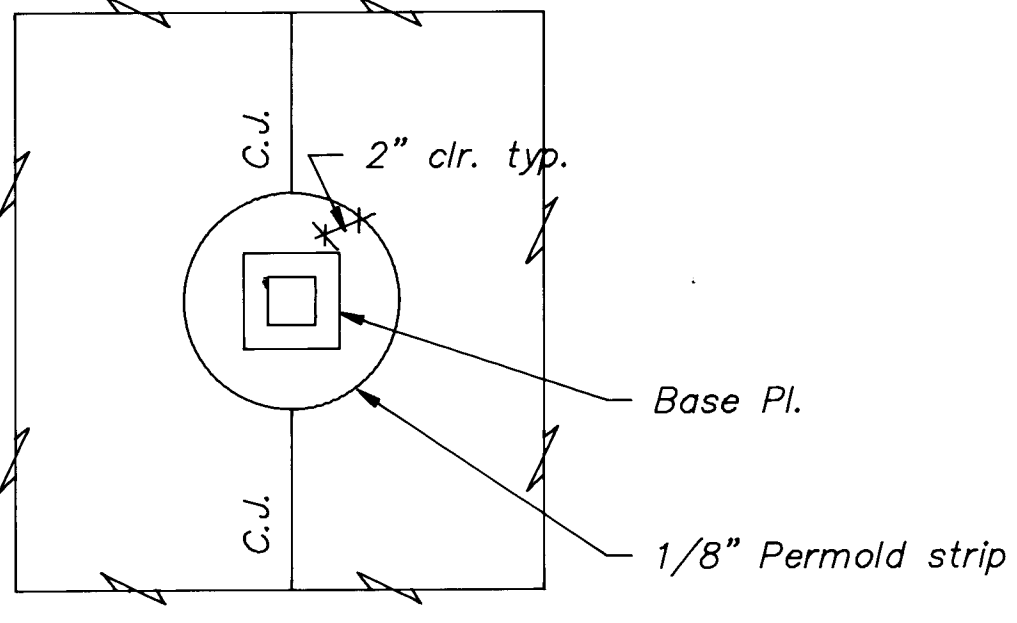
TYP. DUR-O-WAL CORNER



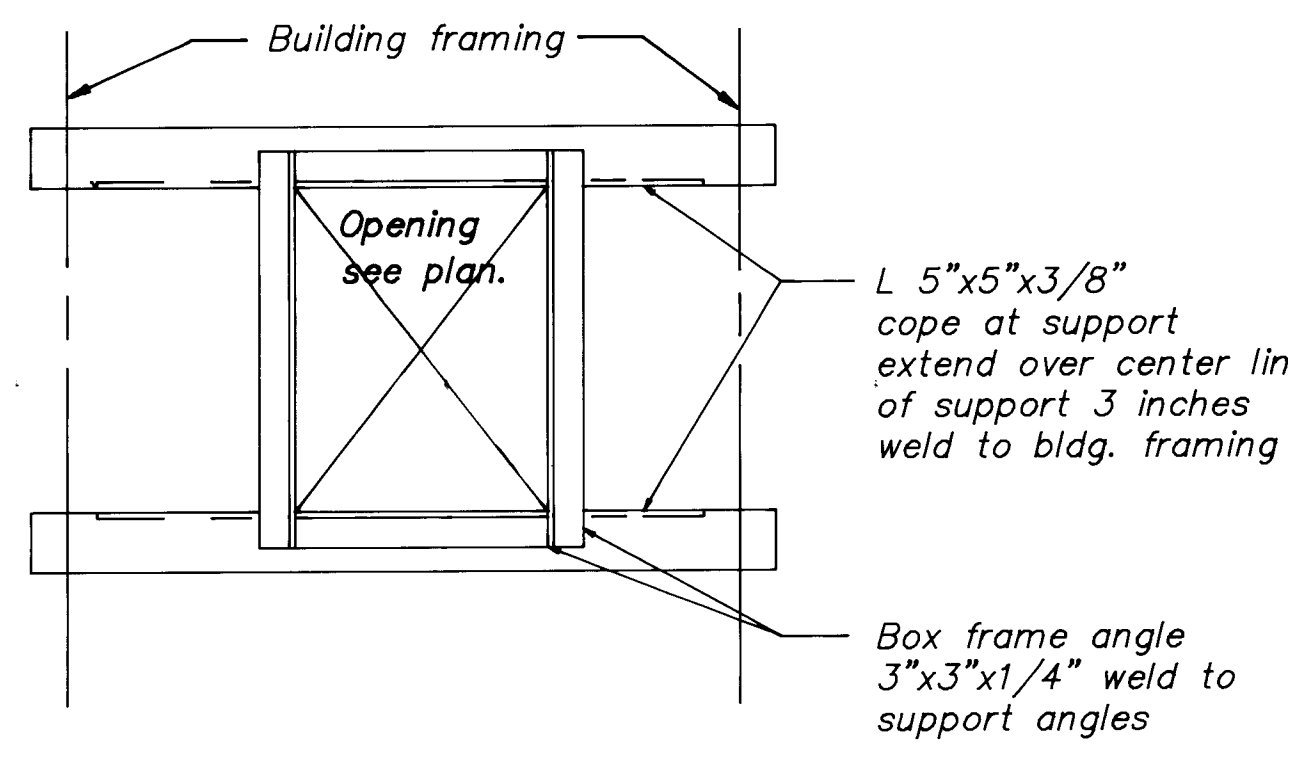
TYPICAL CORNER @ FTG.
AND CONC. WALLS

MAX. SPAN	BLK. SIZE	TOP REINF.	BOTT. REINF.	REMARKS
3'-0"	8x8	2 #5	2 #5	8" BEARING EA. END
4'-0"	8x8	2 #5	2 #5	8" BEARING EA. END
6'-0"	8x16	2 #5	2 #5	8" BEARING EA. END
8'-0"	8x16	2 #5	2 #5	8" BEARING EA. END
10'-0"	8x16	2 #5	2 #5	8" BEARING EA. END
12'-0"	8x16	2 #5	2 #5	8" BEARING EA. END

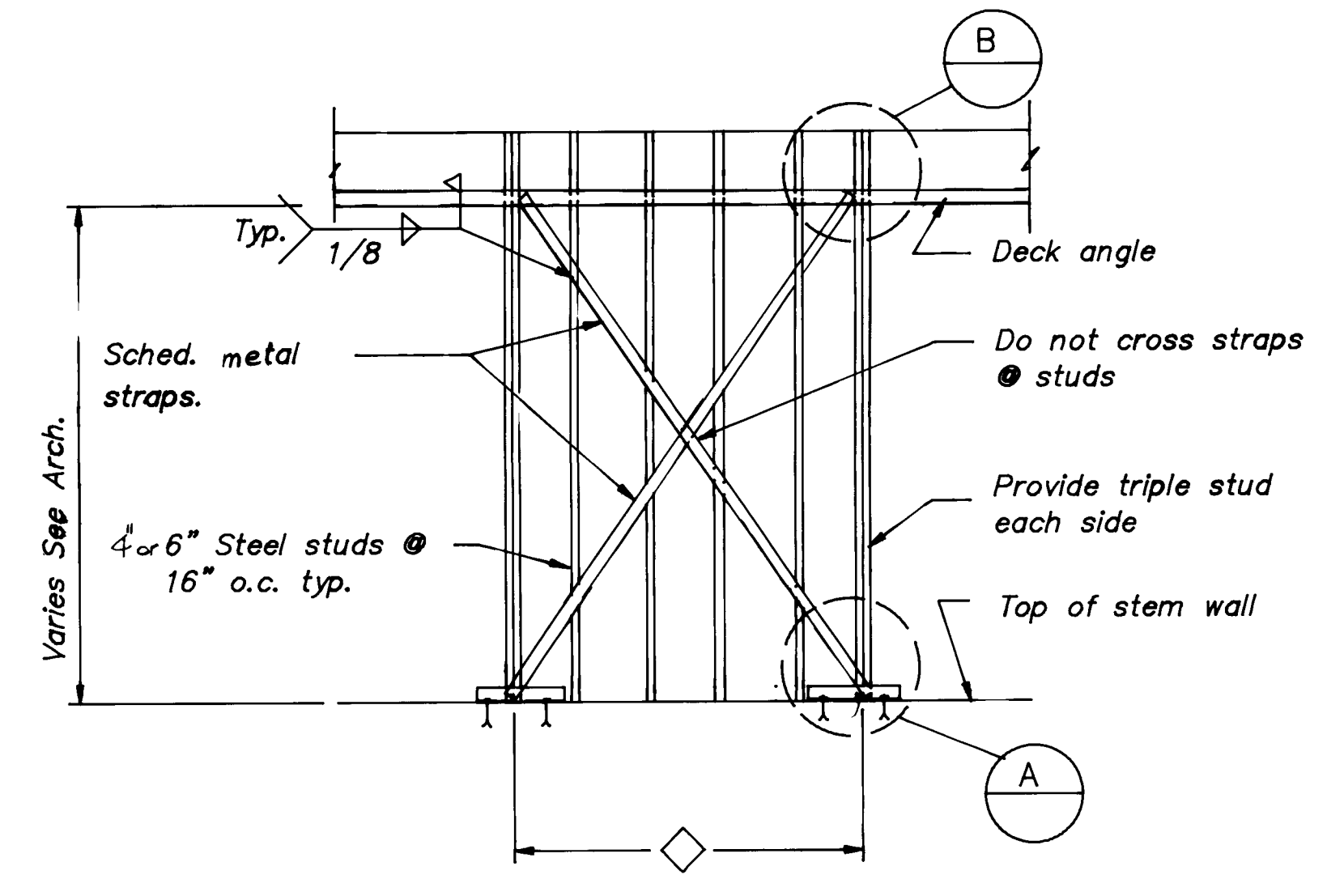
6" and 12" CMU WALLS - BM. WIDTH 6" and 12" RESPECTIVELY
TOP BARS SHALL HOOK 90 AT ENDS



TYP. SLAB ISOLATION JOINT

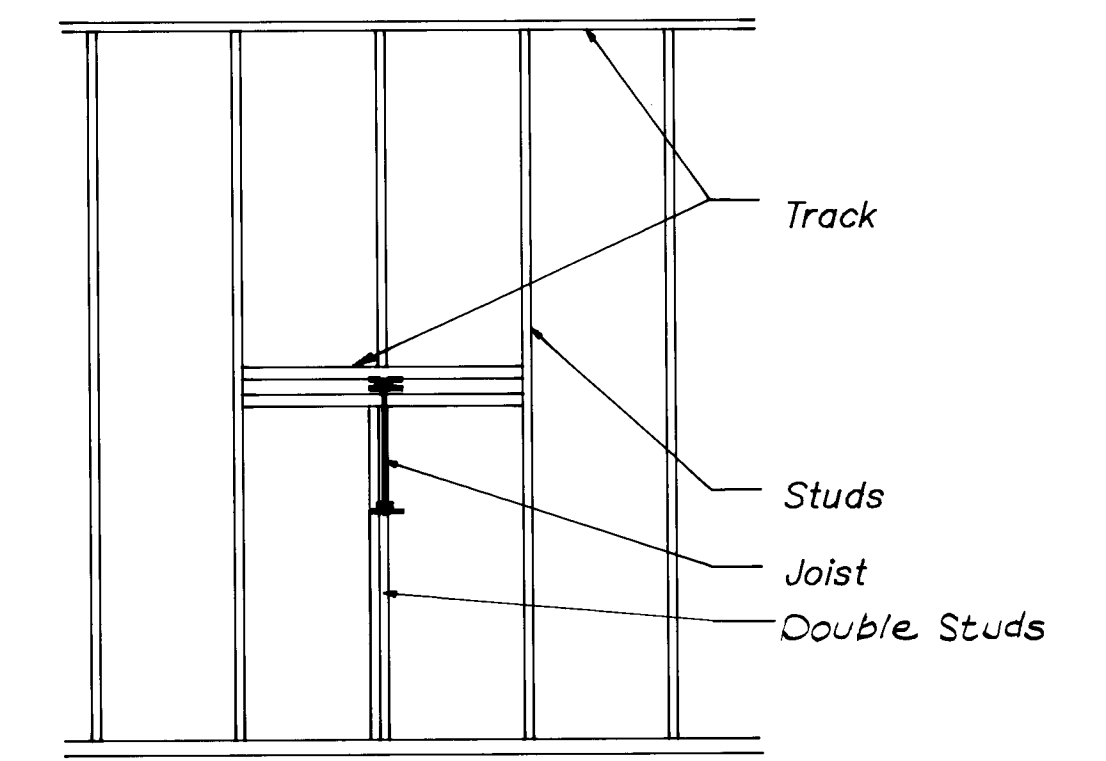
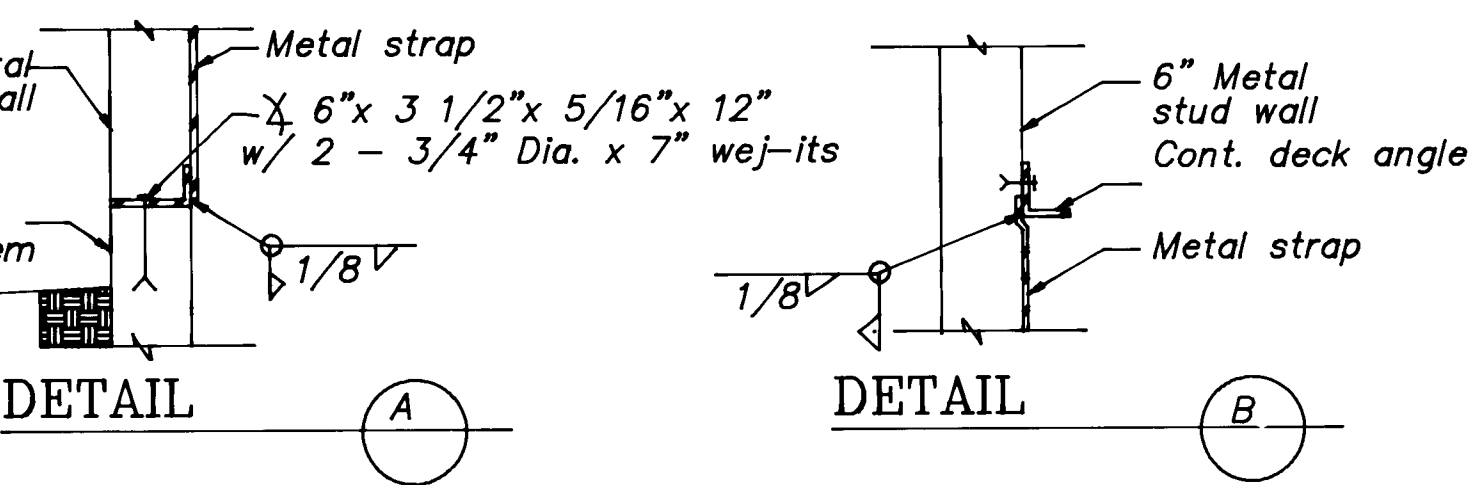


TYPICAL METAL DECK
OPENING SUPPORT

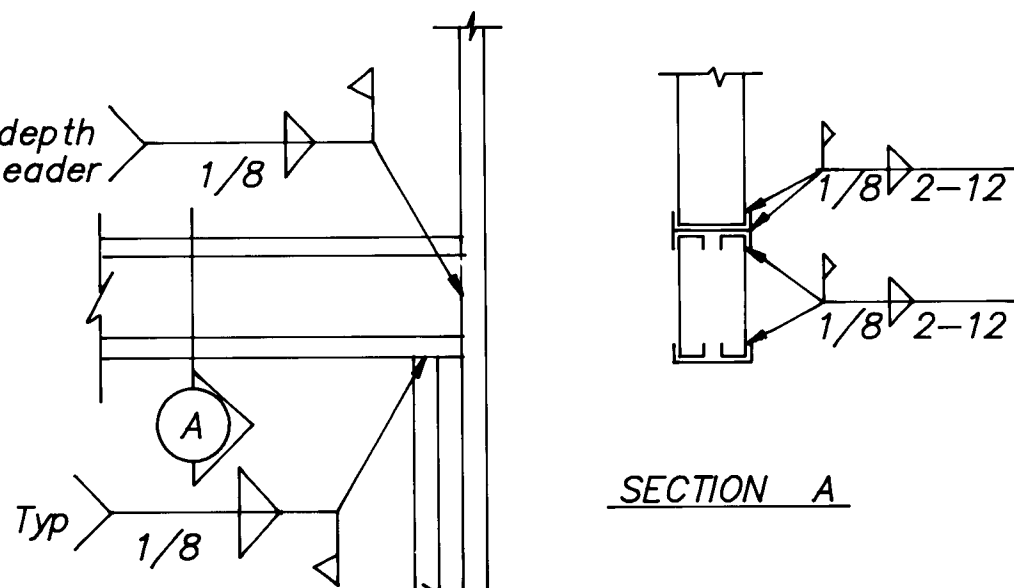


TYPICAL STEEL CROSS BRACING
SHEAR WALL ELEVATION

DESIGN.	WIDTH	STRAP SIZE
1	7'-0"	5"x14 ga.
2	11'-0"	5"x14 ga.
3	13'-0"	5"x14 ga.



TYPICAL JOIST BEARING DETAIL



TYP. HEADER BEARING DETAIL

MAX. SPAN	SIZE	GAUGE	Sx in.	I in.	BEARING EACH SIDE
4'-0"	2-6"	16 Ga.	2.00	8.06	1 STUD
6'-0"	2-8"	16 Ga.	3.04	12.20	2 STUDS
8'-0"	2-9"	14 Ga.	5.12	25.60	2 STUDS
10'-0"	2-12"	14 Ga.	8.54	51.20	2 STUDS
12'-0"	2-12"	14 Ga.	8.54	51.20	2 STUDS

NON-BEARING WALLS ONLY.

GENERAL NOTES

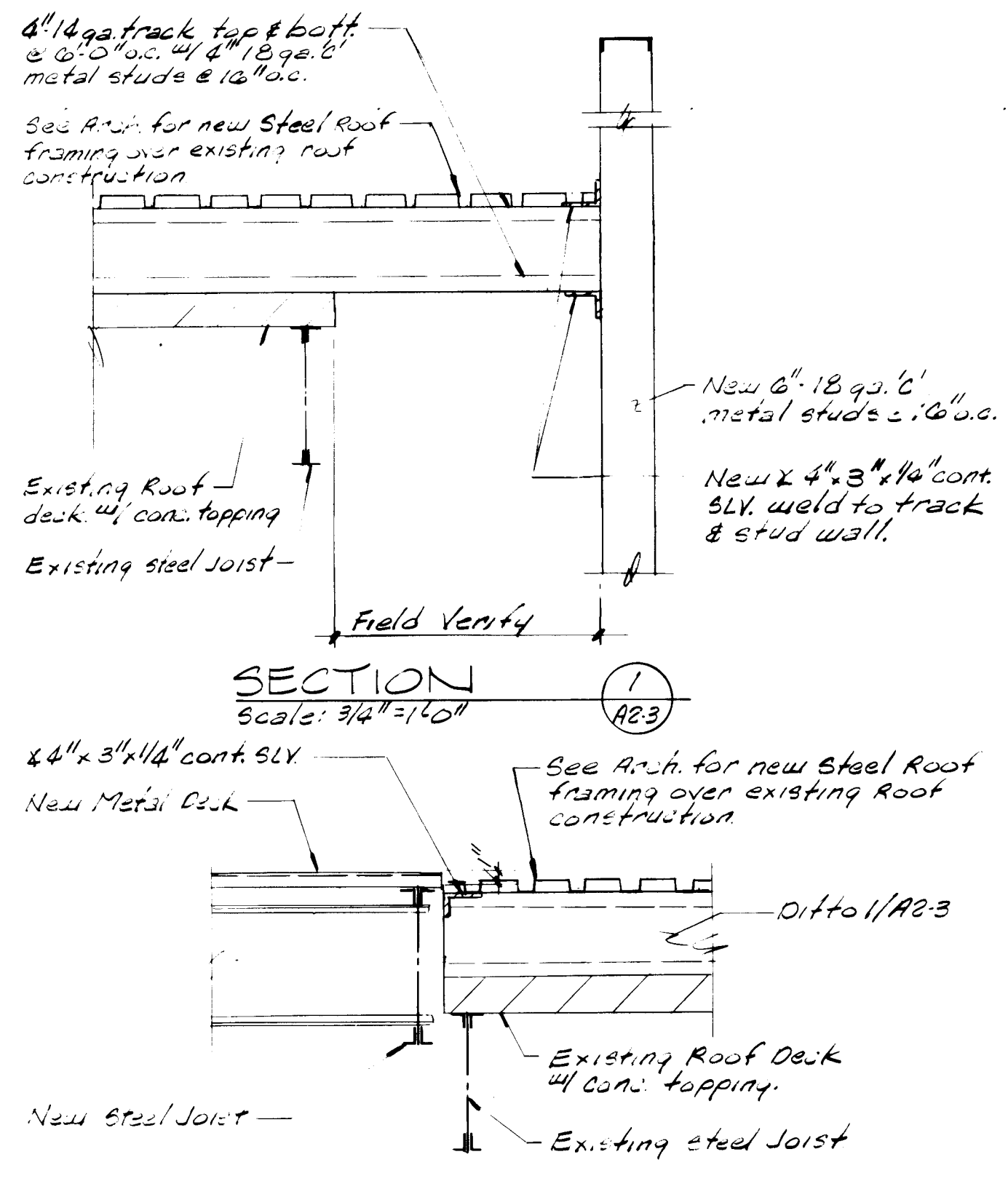
- DESIGN LOADS:
 - A. LIVE LOADS: 20 psf
 - B. DEAD LOADS: 20 psf
 - C. WIND LOADS: In accordance with UBC 1988 75 MPH Basic Wind Speed Exposure Category C Pressure 23.4 psf
 - D. SEISMIC LOADING: UBC 1988 ZONE 2B Z = 0.20 Coeff. C = 2.75 Horizontal Force Factor RW = 4 and 6
 - E. SOIL ALLOWABLE: Bearing Allowable 2000 psf.
- MATERIALS:
 - A. CONCRETE: f'c 3000 psi
 - B. STEEL:
 - 1. Structural Steel: ASTM A36
 - 2. Structural Steel Tubing: ASTM A500, Gr 8
 - 3. Bolts (Unless Otherwise Noted): ASTM A307
 - 4. Lightgage Metal Framing (Studs, Headers, Straps): ASTM A507 Gr 50 16ga & thicker ASTM A446 or A611 Gr E
 - 5. Metal Deck 22 Gage: ASTM A507 Gr 50 16ga & thicker
 - 6. Concrete/Masonry Anchors: ASTM A615 Gr 60
 - 7. Concrete/Masonry Reinforcement: ASTM A615 Gr 60
 - C. MASONRY:
 - 1. Concrete Masonry Units (CMU): ASTM C90, Gr N-1
 - 2. Mortar: ASTM C270, Type S
 - 3. Grout: ASTM C476
- CONCRETE FOOTINGS:
 - A. Where column and wall footings intersect, cast these monolithic and continue wall footing reinforcing thru the column footing.
 - B. Center column footings about column center lines both ways, unless dimensioned otherwise.
- CONCRETE REINFORCING:
 - A. Unless noted or detailed, provide around openings in slabs No. 5 x 4'-0" diagonal at all corners, No. 5 at each side, top and bottom.
 - B. Unless noted or detailed, provide dowels the same size and spacing as the horizontal reinforcing at the corners and intersection of all walls, beams, and footings.
- STEEL FRAMING NOTES:
 - A. Structural steel shall be shop fabricated in accordance with AISC "Code of Standard Practice for Steel Buildings and Bridges", latest edition. Welding shall comply with AWS D1.1 "Structural Welding Code".
 - B. Field connections of structural steel shall be accomplished by bolting, using high strength bolts in accordance with AISC "Specification for Structural Joints Using ASTM A325 Bolts" (unless otherwise indicated).
 - C. Unless otherwise noted, all joints supporting the roof and floor deck shall be field welded to supporting members or to precast bearing plates. Provide continuous angle support at all edges of all metal deck.
 - D. L 1" x 1" x 1/8" cont. horizontal bridging. Weld cont. bridging to top and bottom chords of all joists.
 - E. Camber all steel joists per Steel Joist Institute Recommendations.
 - F. Items not specifically detailed shall be constructed as per similar items which are detailed.
- LIGHTGAGE METAL FRAMING:
 - A. Fabrication of all lightgage metal framing shall comply with the requirements in AISI "Specification for the Design of Cold Formed Steel Structural Members".
 - B. Framing components may be prefabricated into panels prior to erection. Studs shall not be spliced. Studs shall fit securely into top and bottom tracks with the end of the stud positioned against the inside track web. Attachment of components shall be accomplished by welding, unless otherwise noted on drawings.
 - C. Tracks shall be anchored to the supporting structure to transfer imposed loads. Complete, uniform, and level bearing support shall be provided for the bottom track at each stud location in walls.
- GENERAL:
 - A. Mechanical Contractor shall coordinate installation of the required inserts with the General Contractor. See mechanical drawings for supporting structure and inserts.
 - B. Mechanical Contractor shall furnish all necessary structures for mechanical equipment, and all necessary hanging devices and inserts for installation of mechanical equipment.
 - C. 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.
- METAL DECK:
 - A. Type B 1-1/2" deep gauge, painted Smin. = 0.208 inches cubed lmin = 0.179 inches to the fourth power.
 - B. Metal Deck Connection:
 - 1. Button punch side laps 18" o.c.
 - 2. 1/2" puddle welds along each interior support at 12" o.c.
 - 3. 1/2" puddle welds at 12" o.c. along each edge and end support.
- CONCRETE UNIT MASONRY:
 - A. Provide minimum horizontal reinforcing, unless otherwise noted, as follows: 2 number 4 bars at bottom and top of wall openings extending a minimum of 24" past opening, continuously at structurally connected roof and floor levels and at the top of walls. Provide prefabricated corner and tee sections at wall corners and intersections.
 - B. Provide minimum vertical reinforcing, unless otherwise noted, as follows: 8" wall - number 4 bar; 10" wall - number 5 bar; 12" wall - number 6 bar; at 48" o.c. maximum, at each corner, at each side of each opening at each end of walls.
 - C. Where masonry wall abuts concrete, provide dovetail anchor ties at 16" o.c.
 - D. Where mean daily air temperature is below 40 degrees Fahrenheit, not masonry shall be laid unless approved methods of masonry protection are provided.
 - E. All masonry work shall conform to ACI 531-79 Building Code Requirements for Concrete Masonry Structures.

SITE GRADING NOTES

- The Soils Engineer shall act as the Owner's representative and shall make observations and tests as considered necessary for quality control. Where foundations or other critical elements are to be supported by engineered fill, continuous observations and tests of grading operations shall be made by the Soils 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 observation.
- All building footings shall bear on 18" min. of engineered fill, as outlined below. See typical over-excavation detail on this sheet.
- All vegetation and debris shall be removed from throughout the building areas and any other areas to receive fill. Stumps, roots larger than 2 inches in diameter, and matted roots shall be removed within 6 inches of the surface of areas on which fills are to be constructed.
- Prior to placement of fill soil and after excavation of cut areas has been accomplished, the exposed soils shall be scarified to 12" depth and moisture conditioned to bring the water content within 2 percent of the optimum moisture content, and recompacted to at least 95 percent of the maximum dry density. This includes all areas to receive slabs.
- Utilize structural fill for any fills required for grading where structural elements are to be supported.
- The on-site soils are suitable for use as backfill soils and structural fill; however, these soils may require selective stockpiling during the excavation process. All backfill material shall be non-expansive, free of vegetation and debris 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
3 inch	90-100
No. 4	60-100
No. 200	15-65

- Fill or backfill, consisting of soil approved by the Soils 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. Soils moisture contents during compaction should be at optimum moisture content plus or minus 2 percent.
- Tests for degree of compaction shall be determined by the ASTM D-1558 method or ASTM D-2922. Observation and field tests shall be carried on during fill and backfill placement by the Soils Engineer to assist the Contractor in obtaining the required degree of compaction. If less than 95 percent is indicated, additional compaction effort shall be made with adjustment of the moisture content as necessary until 95 percent compaction is obtained.
- Wherever, in the opinion of the Soils 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.



SECTION 1
SECTION 2

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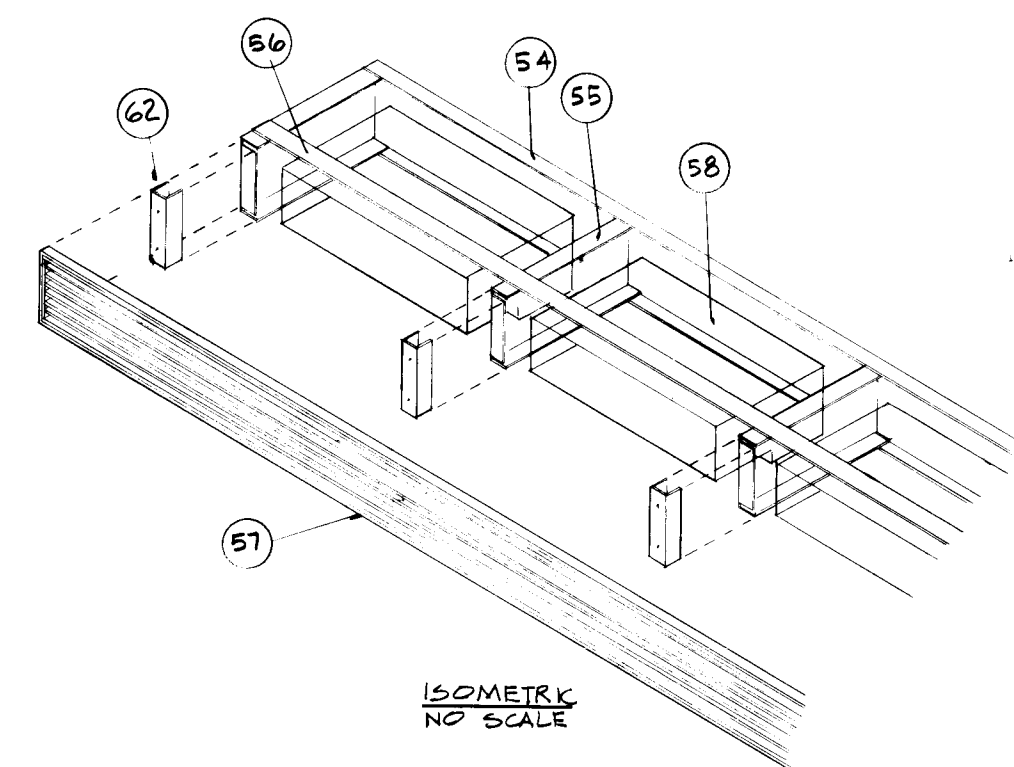
RECORD DRAWING APRIL 14, 1992

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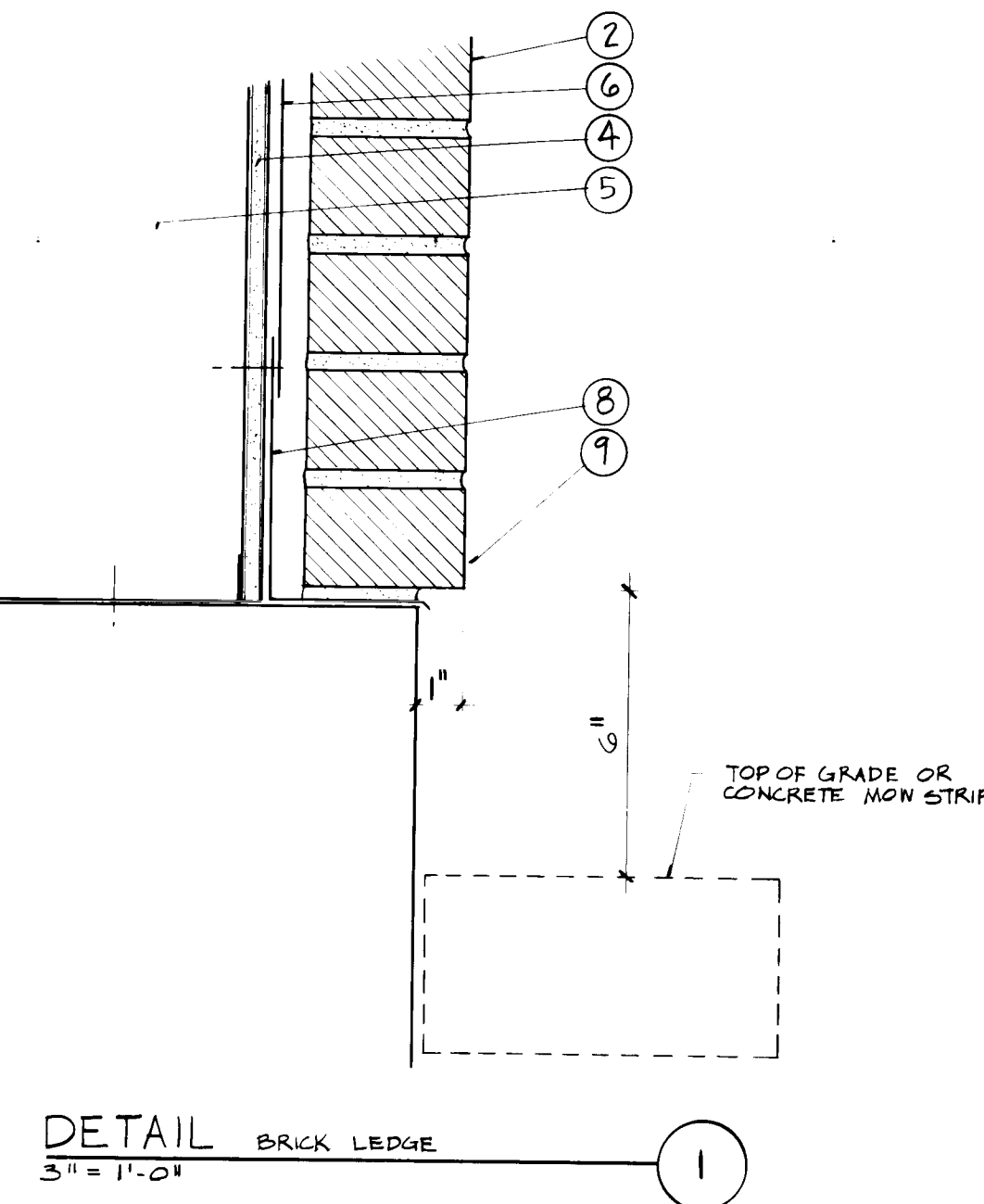
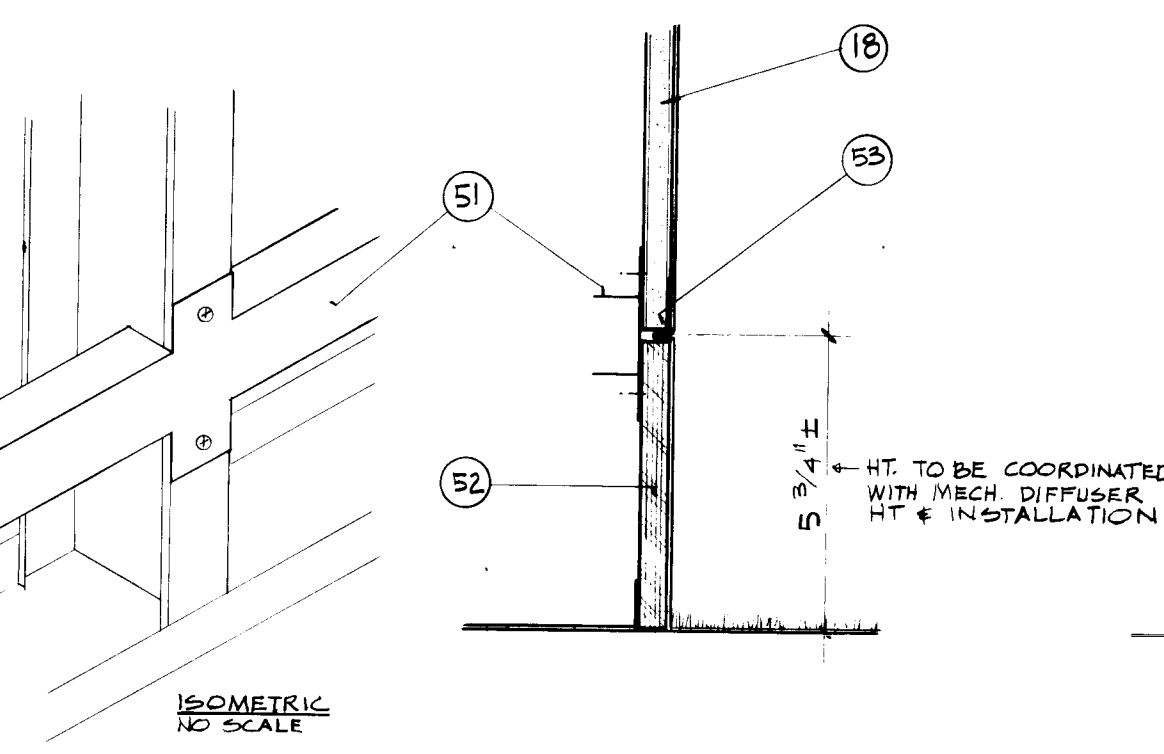
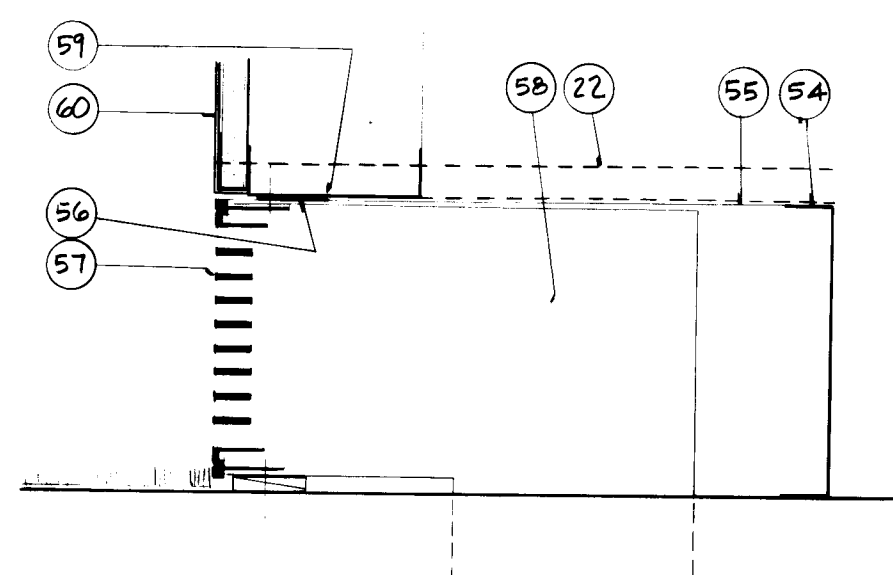
STRUCTURAL DETAILS

DECEMBER 24, 1989

A2-3



DETAIL CONTINUOUS LINEAR DIFFUSER AND RELATED FRAMING
3/4" = 1'-0"



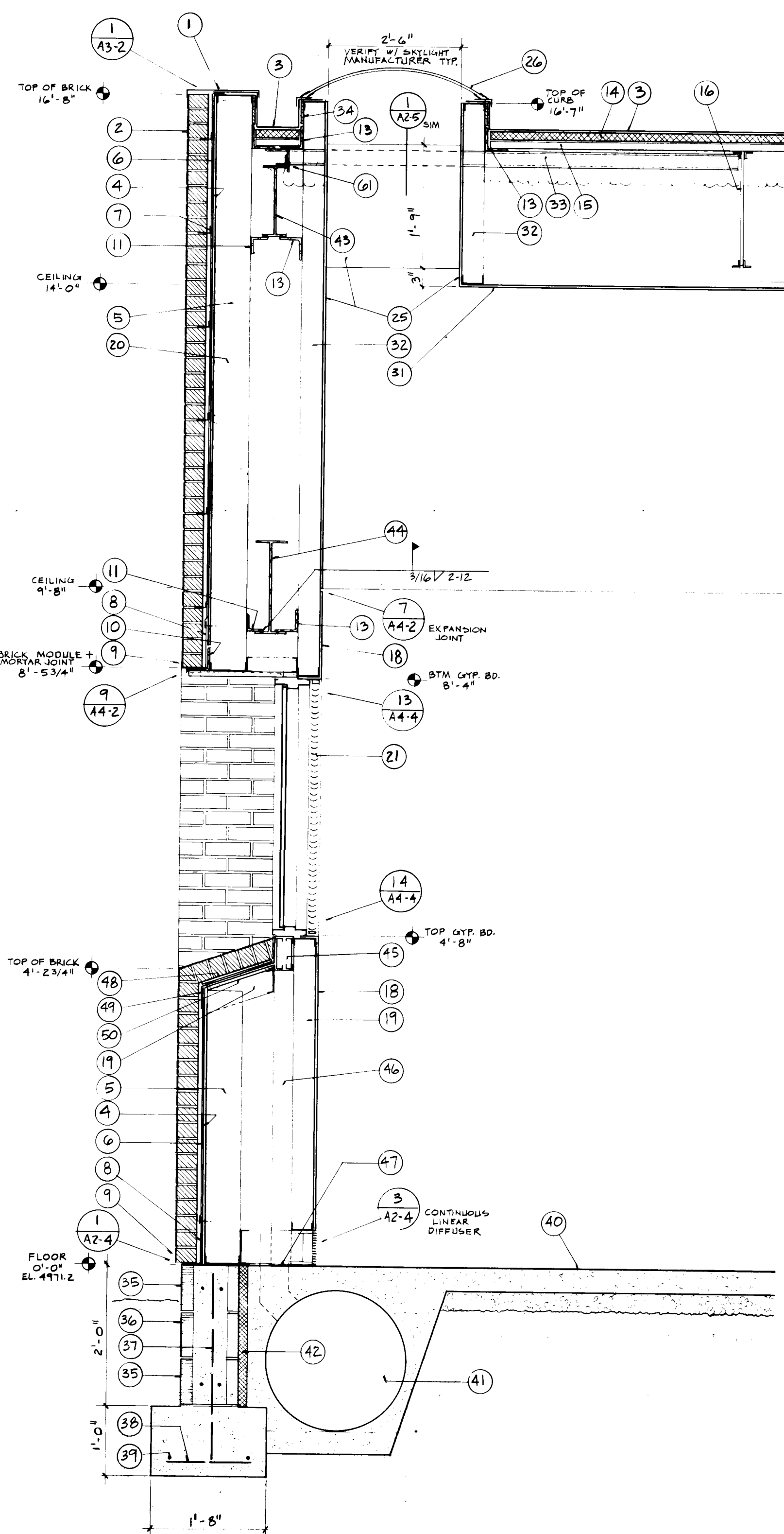
DETAIL FLUSH BASE AND RELATED FRAMING
3/4" = 1'-0"

DETAIL BRICK LEDGE
3/4" = 1'-0"

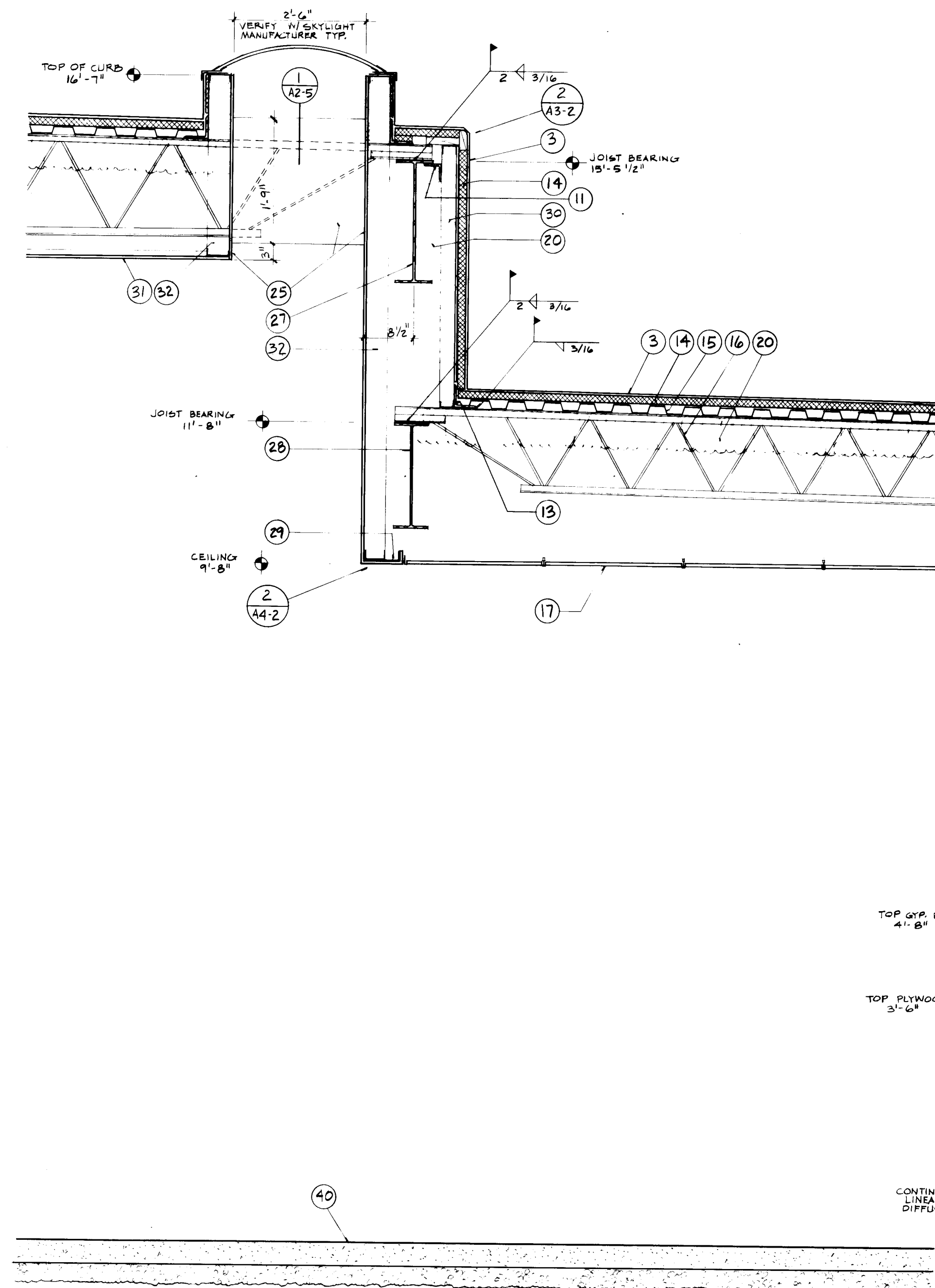
1. 16 gauge sheet metal cap flashing.
2. 4" brick veneer. See specs.
3. Single ply roofing system.
4. 1/2" gypsum sheathing.
5. 6" - 18 GA "C" studs at 1'-4" c.c.
6. 15 lb. felt waterproofing.
7. Metal brick ties. See specs for type.
8. 26 gauge galvanized metal flashing. Fasten to wall at each stud. Overlap flashing w/felt waterproofing.
9. Weep holes 2'-0" c.c.
10. L 4 x 4 x 5/16 weld to each stud, bear angle 12" each end.
11. L 3 x 3 x 5/16 weld to each stud and to WF.
12. W 21 x 50. See Framing Plan.
13. 4 x 4 x 1/4 weld to each stud.
14. 1 1/2" MD fiberboard mechanically fastened to steel roof deck.
15. 1 1/2" steel roof deck.
16. Steel roof joist.
17. 2 x 2 lay in acoustical ceiling.
18. 5/8" gypsum board with wallcovering. See specs.
19. 3 5/8" metal studs 1'-4" c.c.
20. R-19 foil faced F.S. 25 insulation.
21. 1 3/8" metal blinds with slats as shown. See specs.
22. 3/4" plywood to match bookstack end panels. See specs.
23. Standards and shelves. See specs. Screw attach standards to 3/4" plywood.
24. 3/4" A-C plywood, screw to studs, cover plywood with fabric wall covering.
25. 5/8" gypsum board painted.
26. 2'-0" wide continuous vaulted skylight.
27. W 21 x 44
28. W 18 x 40
29. 6" track.
30. 2 1/2" metal studs 1'-4" c.c.
31. Painted 5/8" gypsum board on suspended furring.
32. 3 5/8" S20 studs 1'-4" c.c.
33. Joist outrigger, see Structural.
34. 1/2" MD fiberboard.
35. 10" x 8" cont. C.M.U. bond beam with 2 No. 5 cont.
36. 10" C.M.U. stem wall with fill all cells with grout.
37. No. 5 vertical at 32" c.c.
38. No. 3 horizontal at 3'-0".
39. 2 No. 5 cont.
40. 4" concrete slab with No. 3 at 14" c.c. each way on 3" compacted gravel base.
41. Underfloor duct, see Mechanical.
42. 1 1/2" extruded poly. insulation.
43. W 12 x 16
44. W 16 x 26
45. 2 - 6" - 18 GA type "C" joist header.
46. Triple 3 5/8" - 16 GA metal columns under windows. See Window Elevations sheet A4-3 for support locations.
47. 16 GA track, shoot to floor, weld column to track.
48. 1/2" reinforced cement board.
49. 26 gauge metal flashing. Run up header at top, overlap felt waterproofing 4" at bottom.
50. 3/4" plywood fasten to each stud.
51. Continuous 1 5/8" steel track notched to bypass steel stud. Secure with two 3/8" pan head screws.
52. 5/8" particle board base. Screw to metal studs, cover with wall fabric. Tuck wall fabric into gap between particle board and 5/8" gyp. board.
53. Metal edge bead.
54. 6" 18 GA cont. track.
55. 6" 18 GA "C" studs at 2'-0" o.c. Position as shown. Anchor to floor.
56. 1 1/2" x 26 GA metal strap, fasten to each stud as shown for alignment.
57. Continuous linear diffuser, see Mechanical for type and size.
58. Sheet metal air supply boot, see mechanical for size and configuration.
59. 20 gauge bottom track.
60. 5/8" gyp. board with metal edge bead. Distance above floor to match base height. See detail 2/A2-4 wall covering to wrap under edge bead.
61. See Structural for connection.
62. 1 5/8" 20 GA steel track, typical.

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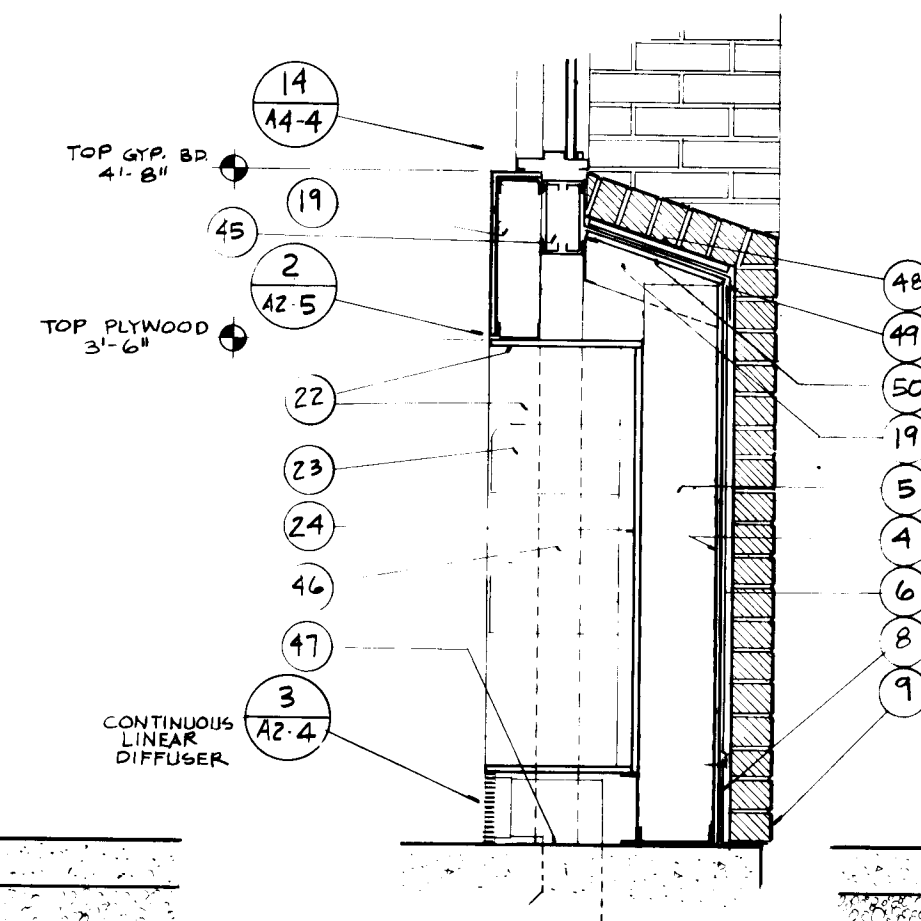
RECORD DRAWING, APRIL 14, 1992



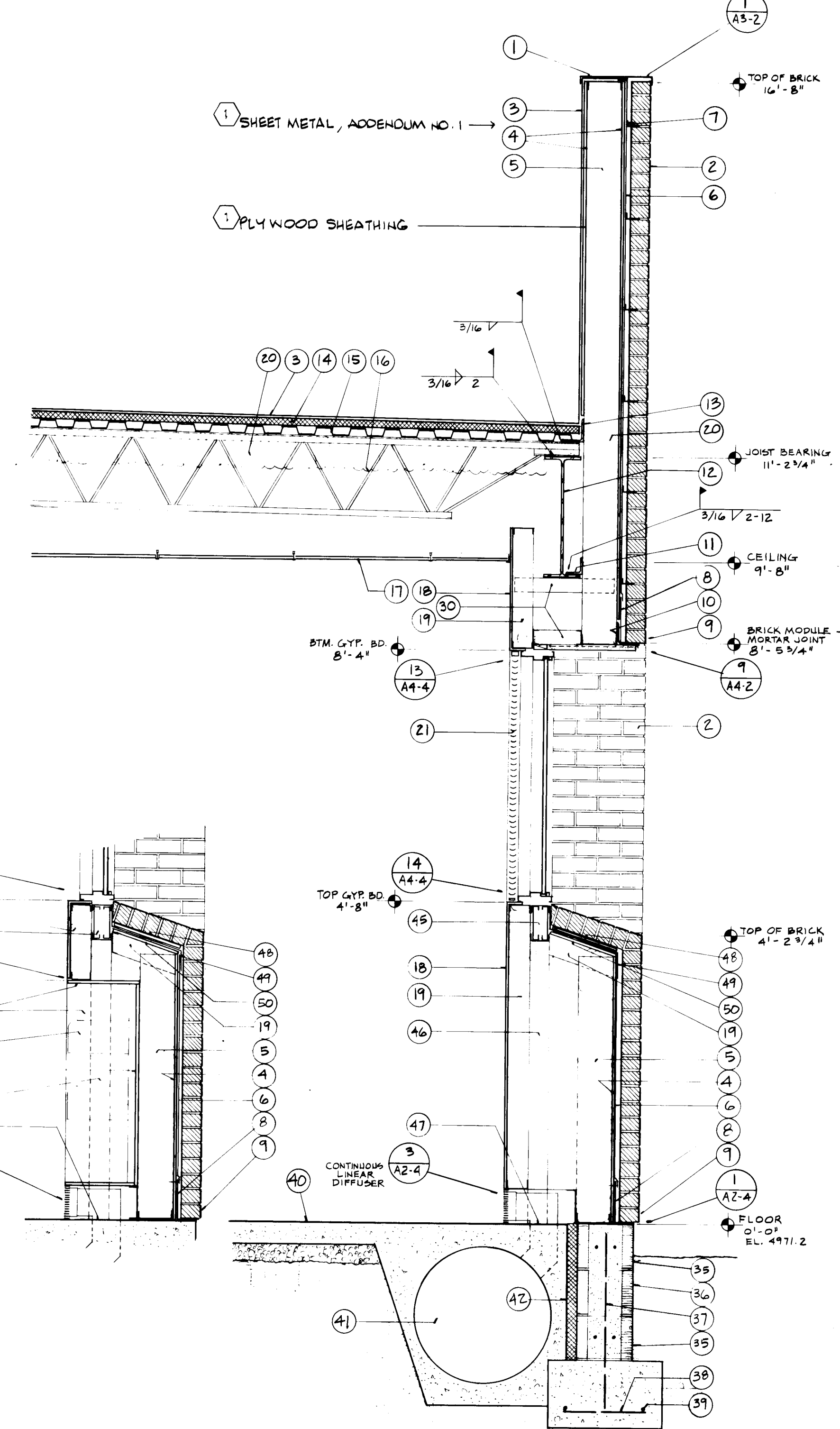
SECTION LOBBY SKYLIGHT AT WEST WALL
3/4" = 1'-0"



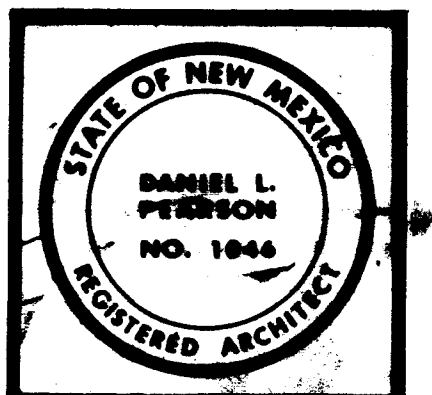
SECTION LOBBY SKYLIGHT NORTH SIDE
3/4" = 1'-0"



SECTION LOBBY SKYLIGHT NORTH SIDE
3/4" = 1'-0"



SECTION LOBBY SKYLIGHT NORTH SIDE
3/4" = 1'-0"

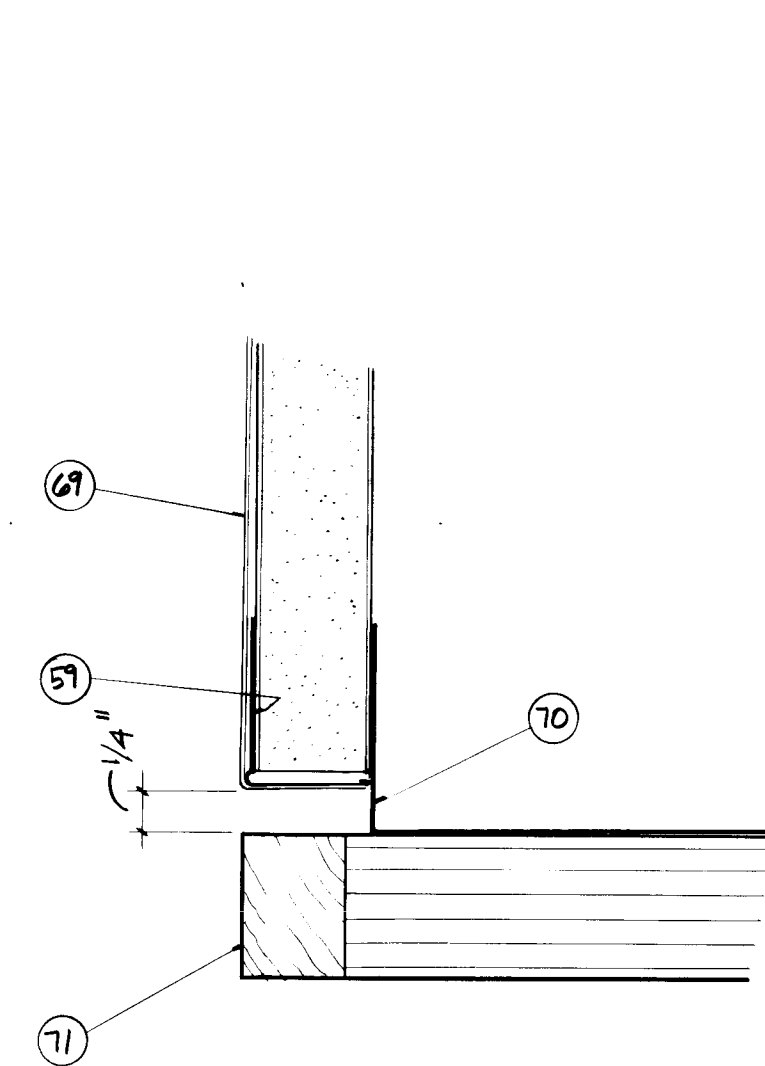


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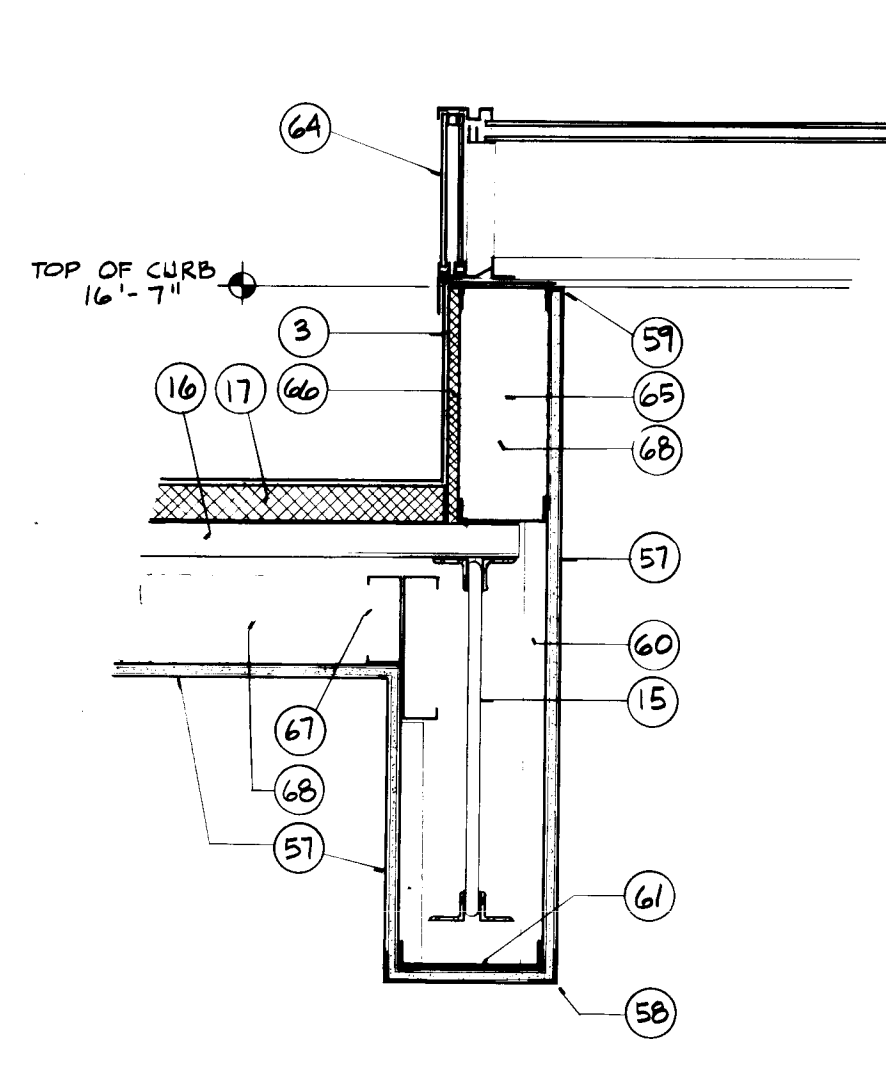
WALL SECTIONS

DECEMBER 21, 1991

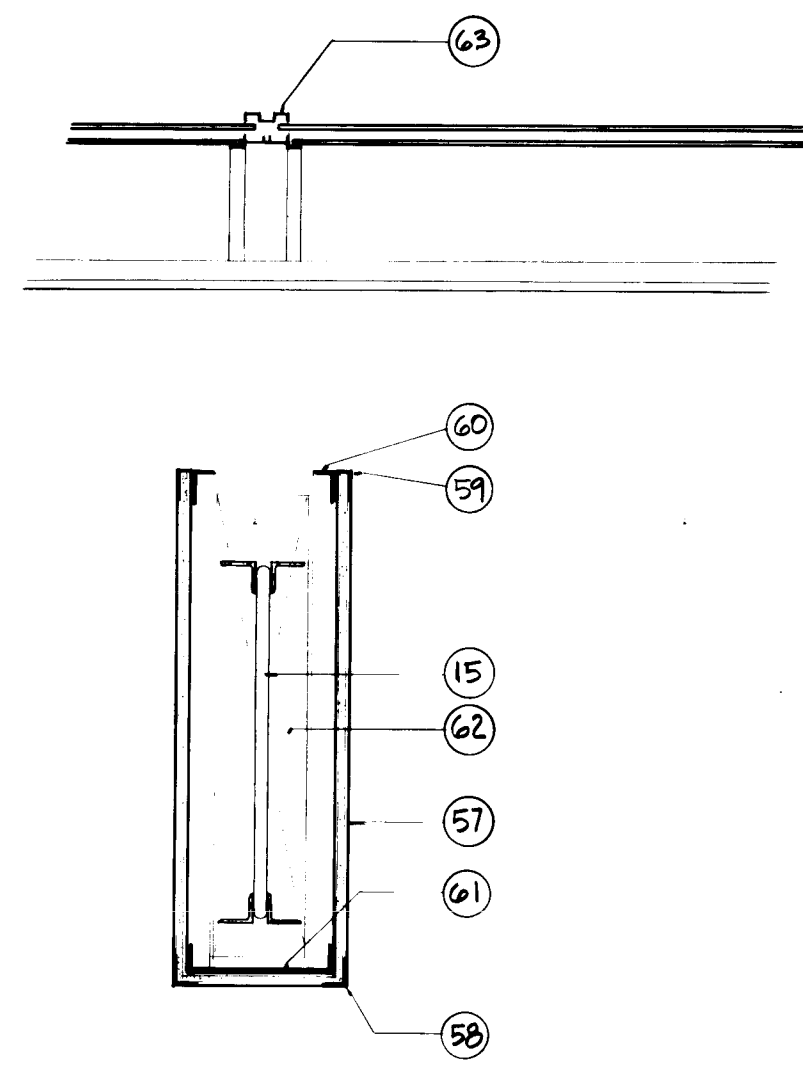
A2-4



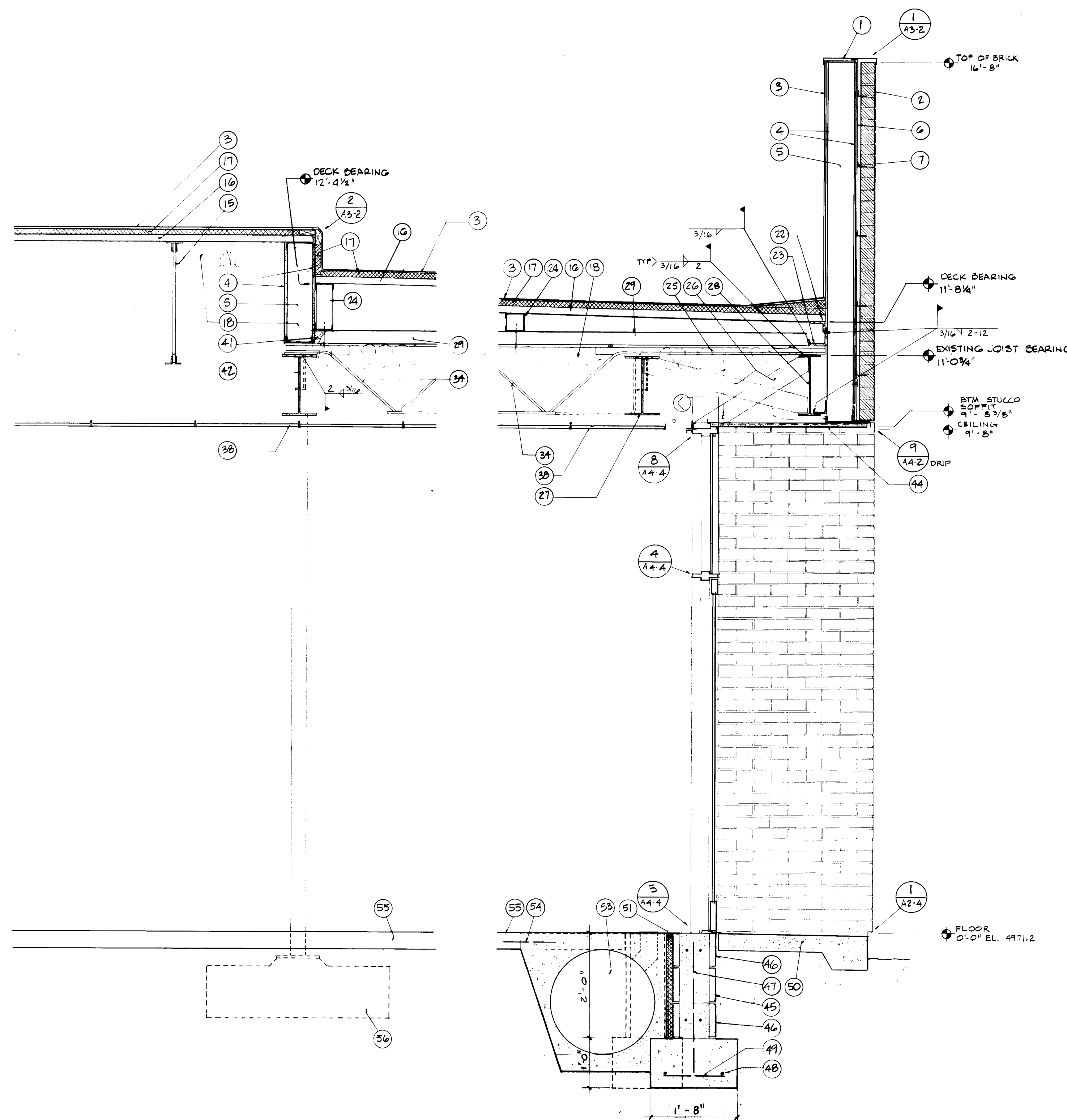
DETAIL BUILT-IN BOOKSHELF, TOP AND SIDES
FULL SIZE 1/2" = 1'-0"



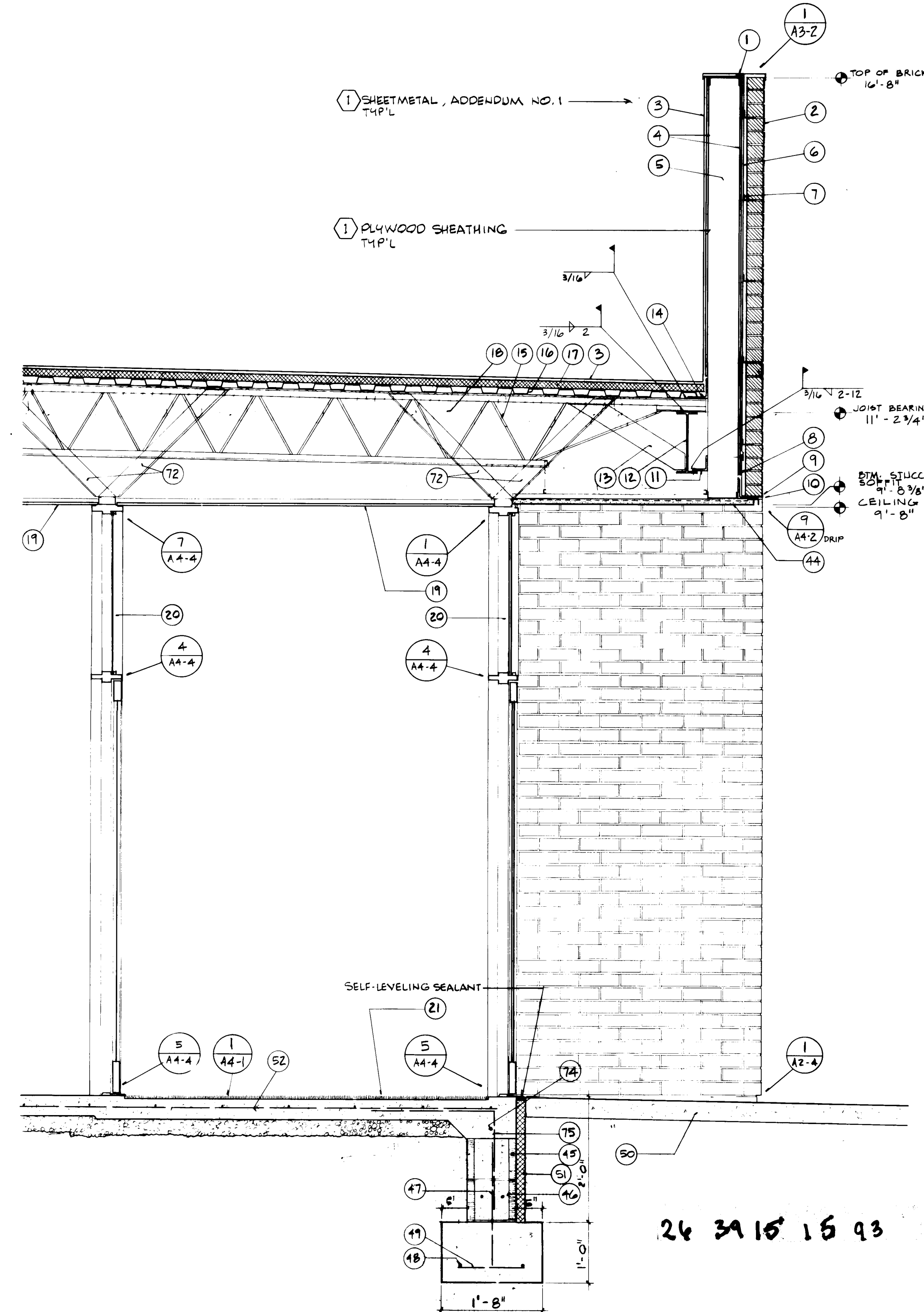
DETAIL END OF SKYLIGHT WELL
1/2" = 1'-0"



DETAIL FURRING AROUND JOISTS AT SKYLIGHT WELL
1/2" = 1'-0"

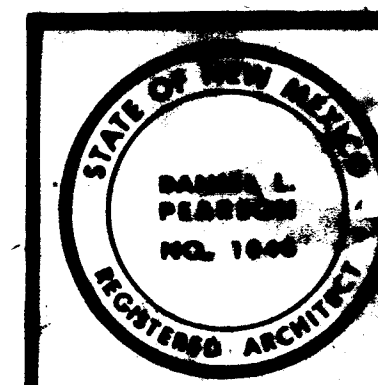


SECTION CHILDREN'S AREA
3/4" = 1'-0"



SECTION ENTRY
3/4" = 1'-0"

1. 16 gauge sheet metal cap flashing.
2. 4" brick veneer. See specs.
3. Single ply roofing system.
4. 1/2" gypsum sheathing.
5. 6" - 18 GA "C" studs at 1'-4" c.c.
6. 15 lb. felt waterproofing.
7. Metal brick ties 10" c.c. each way.
8. 26 gauge galvanized metal flashing. Fasten to wall at each stud. Overlap flashing w/felt waterproofing.
9. Weep holes 2'-0" c.c.
10. L 4 x 4 x 5/16 weld to each stud bear angle 12" each end.
11. L 3 x 3 x 5/16 weld to each stud and to WF.
12. W 12 x 19
13. 4" - 18 GA metal brace at 6'-0" c.c. Weld to top chord of joist and steel beam.
14. 4 x 4 x 1/4 weld to each stud.
15. Steel roof joists.
16. 1 1/2" steel roof deck.
17. 1 1/2" wood fiberboard. Mechanically fasten to steel roof deck. See specs.
18. R-19 foil faced F.S. 25 insulation.
19. 5/8" suspended gypsum board ceiling.
20. 1" insulating glass in H.M. frame. See sheet A4-3.
21. Recessed floor mat, 7/16" recess, 5/8" mat.
22. L 3 1/2 x 2 1/2 x 1/4, weld to L 4 x 4 and to steel deck.
23. L 4 x 4 x 1/4 weld to each stud and to joist extended end.
24. Steel stud support wall 6'-0" c.c. 4" x 14 GA top and bottom track with 4" x 18 GA studs at 16" c.c. thru bolt track to existing concrete at 4'-0" c.c.
25. Existing extended joist ends.
26. 4" - 18 GA metal stud brace at 4'-0" c.c.
27. W 14 x 53 to replace existing steel channel. See Demolition Plan sheet A3-3 for removal of structural columns and beams.
28. W 14 x 26
29. Existing light weight concrete deck.
30. Not used.
31. Not used.
32. Not used.
33. Not used.
34. Existing steel joists 24" c.c.
35. Not used.
36. Not used.
37. Not used.
38. 2 x 2 lay in acoustical ceiling.
39. Not used.
40. Not used.
41. Patch light weight concrete deck with compatible concrete.
42. W 14 x 48 to replace existing steel channel. See Demolition Plan sheet A1-9 for removal of structural columns and beams.
43. Not used.
44. 7/8" 3 part stucco on expanded metal lath on suspended furring channels, see specs.
45. 10 x 8 x 16 C.M.U. Fill all cells with grout.
46. 10" x 8" x 16 cont. bond bm. with 2 No. 5 continuous.
47. No. 5 vertical at 32" c.c.
48. 2 No. 5 cont.
49. No. 3 horizontal at 3'-0" c.c.
50. 4" concrete slab 4000 lb. concrete typical turn down edge. Exposed aggregate finish.
51. 1 1/2" extruded poly. insulation.
52. 4" concrete slab with No. 3 at 14" c.c. each way on 3" compacted gravel base.
53. Underfloor duct. See Mechanical.
54. Dowel into existing slab.
55. Existing slab.
56. Footing beyond. See Structural.
57. 5/8" painted gyp. board.
58. Metal corner bead.
59. Metal edge bead.
60. 1 3/8" x 7/8" x 24 GA metal angle.
61. 6" stud track.
62. Leave opening in gyp. board beyond and opposite for return air.
63. Extruded aluminum mullion for continuous vault skylight.
64. End panel glazing for continuous vault skylight.
65. 3 5/8" x 20 GA studs 1'-4" c.c.
66. 1/2" wd. fiber board.
67. At corner openings only (see Ceiling Plan sheet A4-2) furr down under metal deck with 3 5/8" metal studs.
68. Foil faced R-11 F.S. 25 insulation.
69. 5/8" gyp. board with wall fabric finish. Tuck wall fabric into reveal.
70. Metal framing - paint black all exposed surfaces.
71. Edge banded 3/4" plywood to match bookstack end panels, see Specs.
72. 3 x 3 x 1/4 steel angle braces at door mullions. Weld to top chord of joists.
73. Not used.
74. No. 5 cont.
75. No. 5 at 2'-8" c.c.



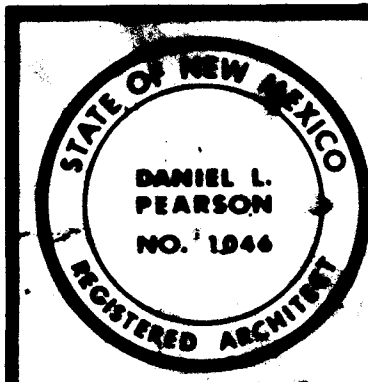
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WALL SECTIONS

DECEMBER 21, 1989

A2-5

RECORD DRAWING APRIL 14, 1992



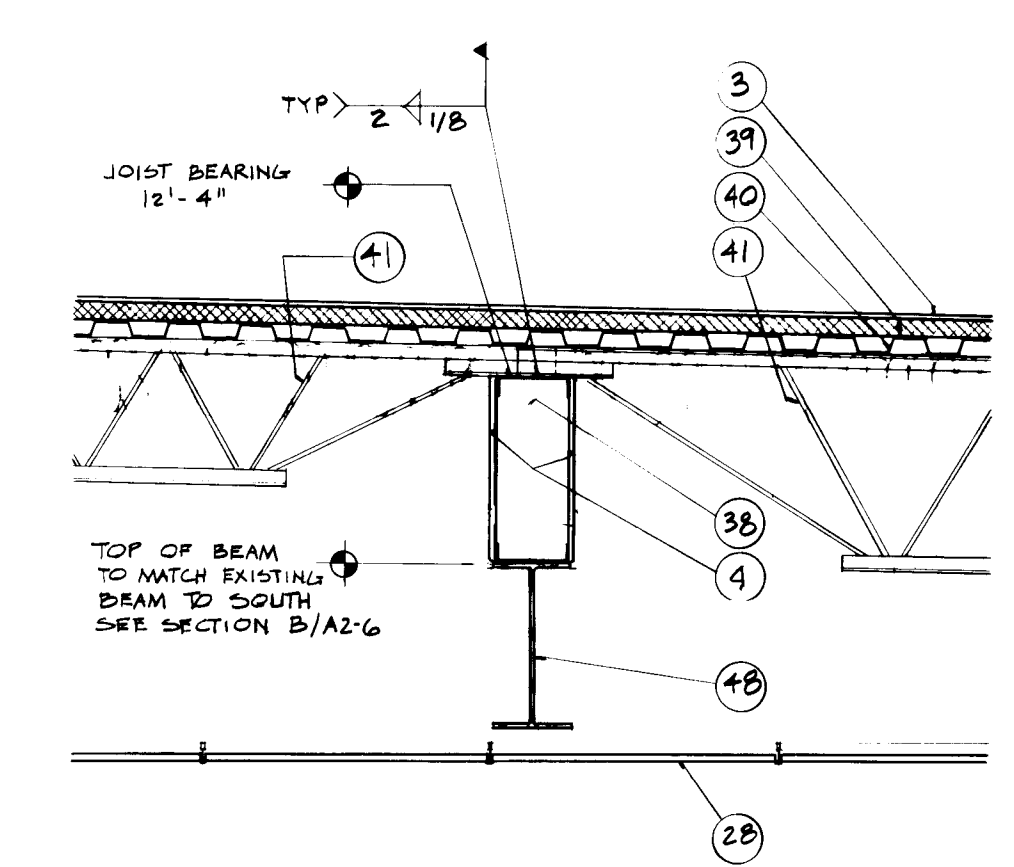
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WALL SECTIONS

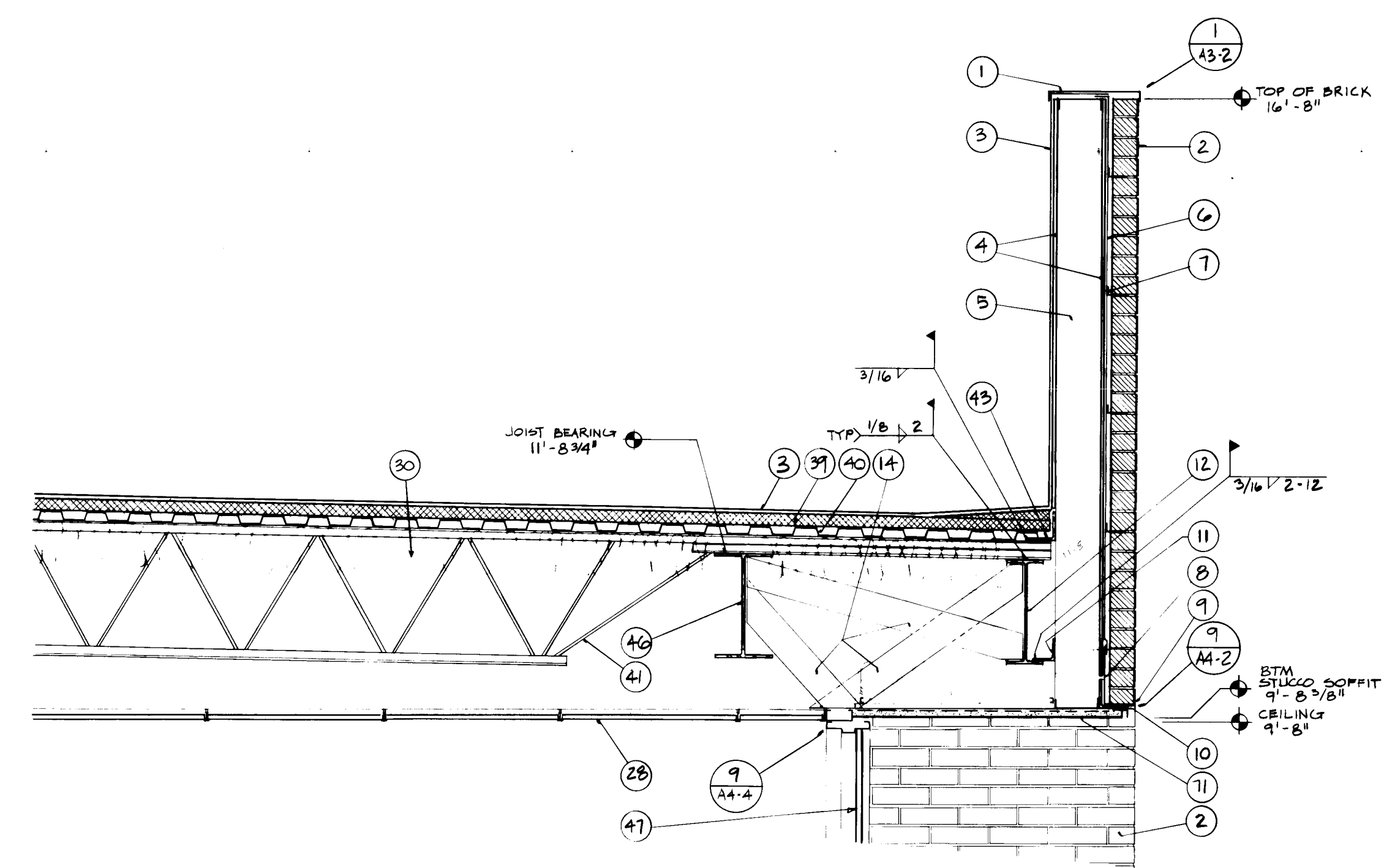
DECEMBER 21, 1989

A2-6

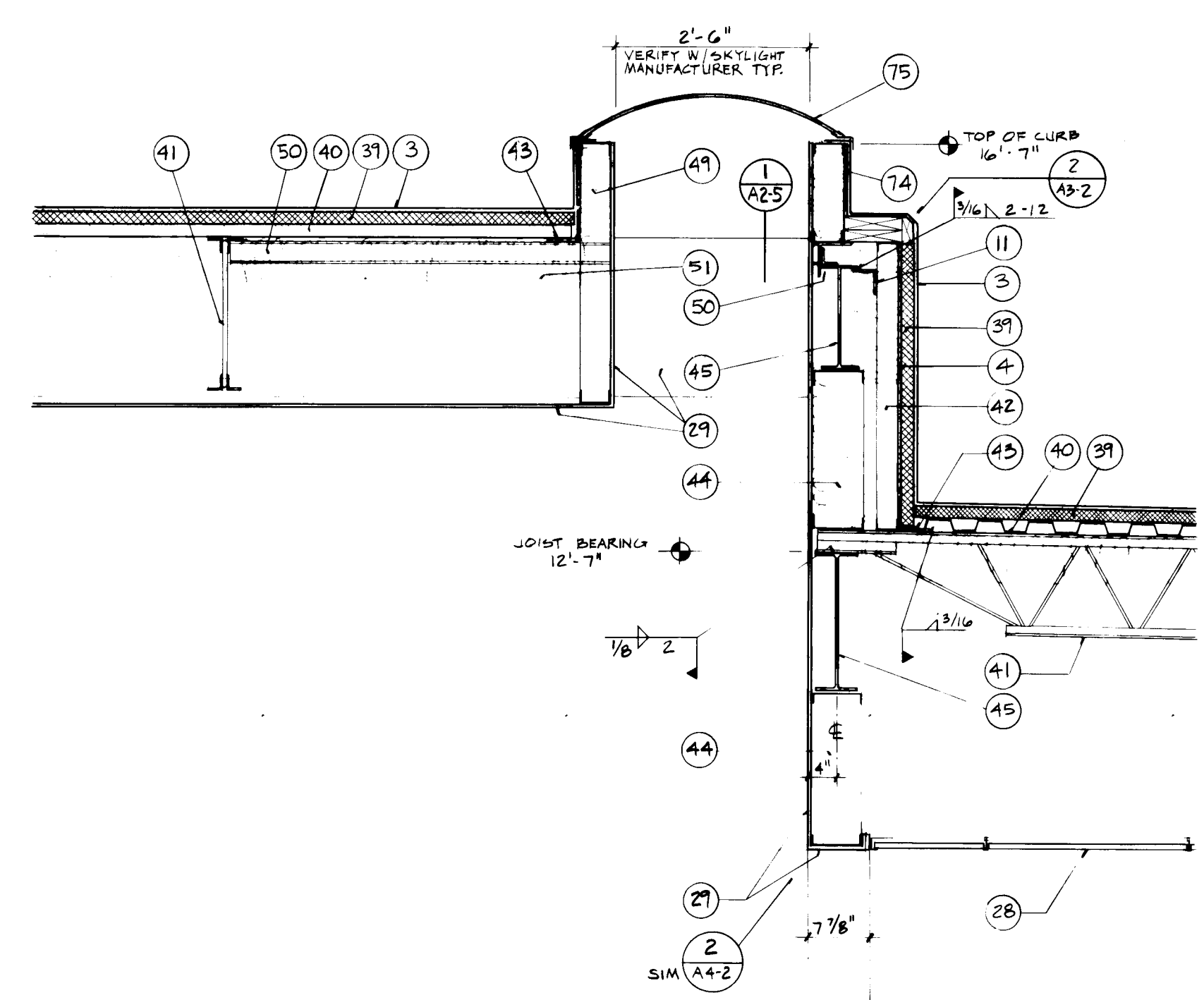
- 16 gauge sheet metal cap flashing.
- 4" brick veneer.
- Single ply roofing system.
- 1/2" gypsum sheathing.
- 6" - 18 GA "C" studs at 1'-4" c.c.
- 15 lb. felt waterproofing.
- Metal brick ties, 16" c.c. each way.
- 26 gauge galvanized metal flashing. Fasten to wall at each stud. Overlap flashing and felt waterproofing.
- Keep holes 2'-0" c.c.
- L 4 x 4 x 5/16 weld to each stud. Bear angle 12" each end.
- L 3 x 3 x 5/16 weld to each stud and to WF.
- W 14 x 22.
- Existing extended joist ends.
- 4" - 18 GA metal braces at 4'-0" c.c.
- New W 14 x 48 to replace existing steel channel. See Demolition Plan sheet A1-9 for removal of structural columns & beams.
- Existing light weight concrete deck.
- L 4 x 4 x 1/4 weld to each stud and to joist extended end. Cut back existing light weight concrete slab as required.
- L 3 1/2 x 2 1/2 x 1/4, weld to L 4 x 4 and to steel deck.
- Steel stud support wall at 6'-0" c.c. 4" x 14 GA top and bottom track with 4" x 18 GA studs at 16" c.c. thru bolt track to existing concrete at 4'-0" c.c.
- Not used.
- Not used.
- Not used.
- Existing steel joists 24" c.c.
- Not used.
- Not used.
- Not used.
- Not used.
- Lay in acoustical ceiling.
- 5/8" gypsum board.
- R-19 batt insulation, foil faced F.S.25.
- H.M. door & frame assembly. See Door Schedule sheet A4-3.
- Not used.
- Patch light weight concrete deck with compatible concrete.
- Existing steel pipe column beyond.
- Existing WF beam.
- 5/8" gypsum board run to bottom of deck.
- Not used.
- 6" 18 GA metal "C" studs 1'-4" c.c. Provide 14 GA metal top and bottom tracks. Weld bottom track to beam.
- 1 1/2" MD fiberboard mechanically fasten to steel roof deck.
- 1 1/2" steel roof deck.
- Steel roof joists.
- 2 1/2" steel studs 1'-4" c.c.
- L 4 x 4 x 1/4 weld to each stud and to steel joists.
- 6" steel studs 1'-4" c.c.
- W 16 x 26
- W 14 x 43
- 1" insulating glass in H.M. frame. See sheet A4-3.
- W 14 x 34
- 3 5/8" steel studs 1'-4" c.c.
- Joist outrigger, see Structural for size and connections.
- R-19 foil faced F.S. 25 insulation.
- 6 x 6 extruded dock bumper with 1/2 x 6 anchor bolts at 12" c.c. Furnish in 2'-6"-0" sections. Pawling Style D-6.
- 3/4" diameter steel rod step 15" wide, project 6", anchor in concrete, see Exterior Elevations.
- 1" I.P.S. pipe handrail 24" high. Project 6" set in pipe sleeve, welded to steel. Finish sleeve flush with brick.
- No. 4 at 1'-4" c.c.
- No. 4 cont.
- No. 4 vertical at 1'-4" c.c.
- No. 4 at 10" c.c.
- No. 5 cont.
- No. 5 at 32" c.c.
- No. 5 vertical at 32" c.c.
- 10" x 8" cont. bond beam with 2 No. 5 cont. Fill all cells with grout.
- 2 No. 5 cont.
- No. 3 at 3'-0"
- Dowel into existing slab.
- Underfloor duct, see Mechanical.
- 1 1/2" extruded poly. insulation.
- No. 4 at 1'-4" c.c. each way.
- 4" concrete slab.
- Existing footing and stemwall. Remove top of stemwall as needed for new slab.
- 7/8" 3 part stucco on expanded metal lath on suspended furring channels, see specs.
- Felt isolation joint.
- 1/4" sealant joint.
- 1/2" MD fiberboard.
- Continuous vault skylight.
- Existing slab.
- Circulation desk, see 9/A4-7.



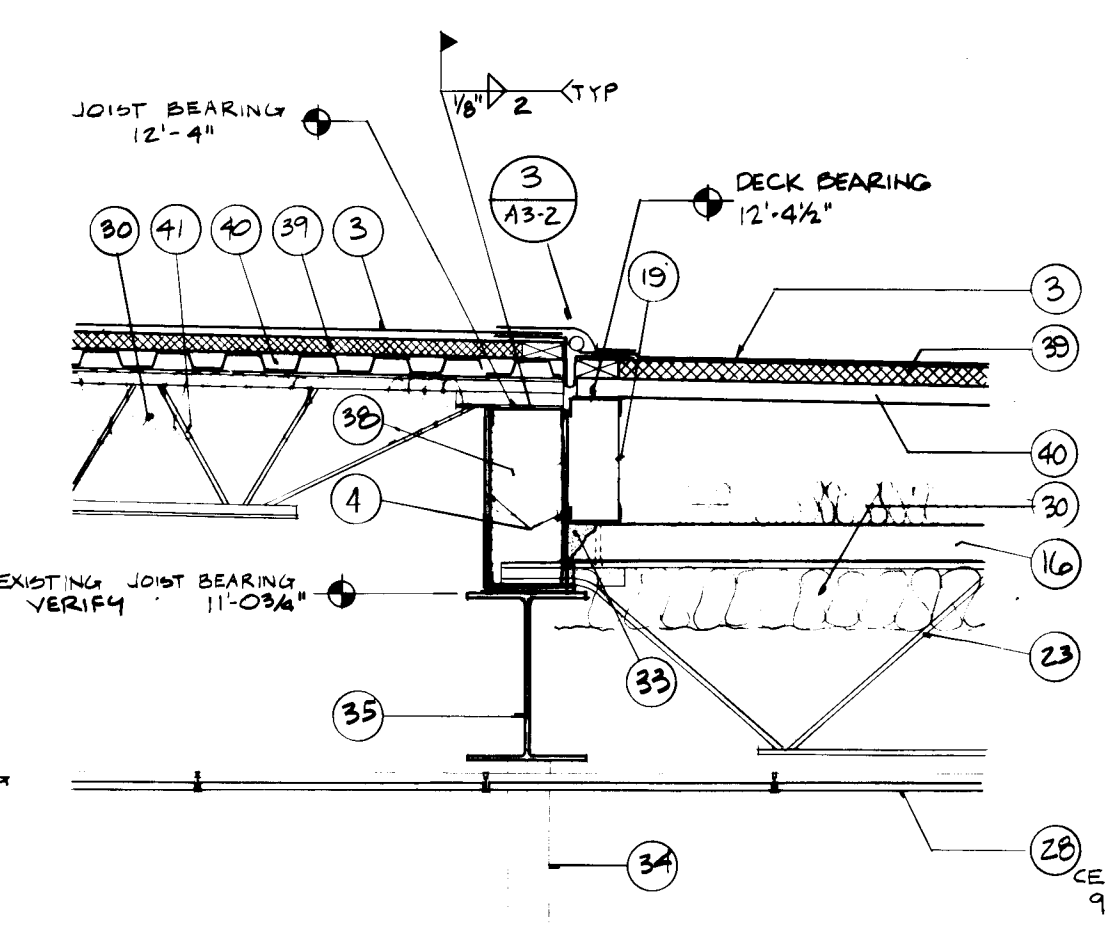
SECTION E
3/4" x 1'-0"



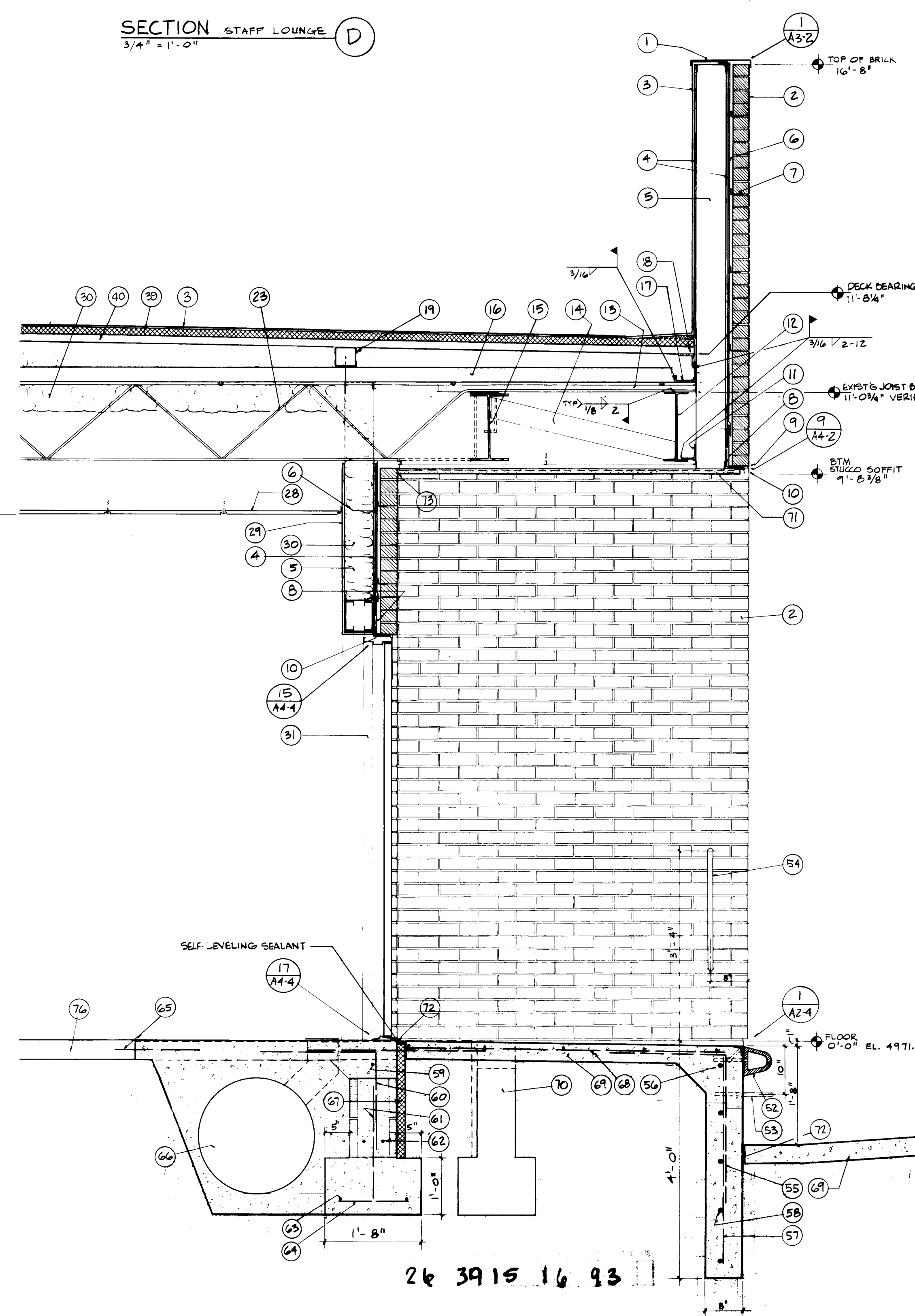
SECTION D
3/4" x 1'-0"



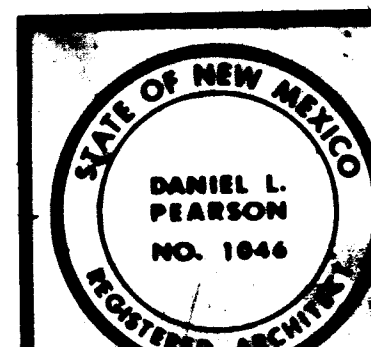
SECTION C
3/4" x 1'-0"



SECTION B
3/4" x 1'-0"



SECTION A
3/4" x 1'-0"



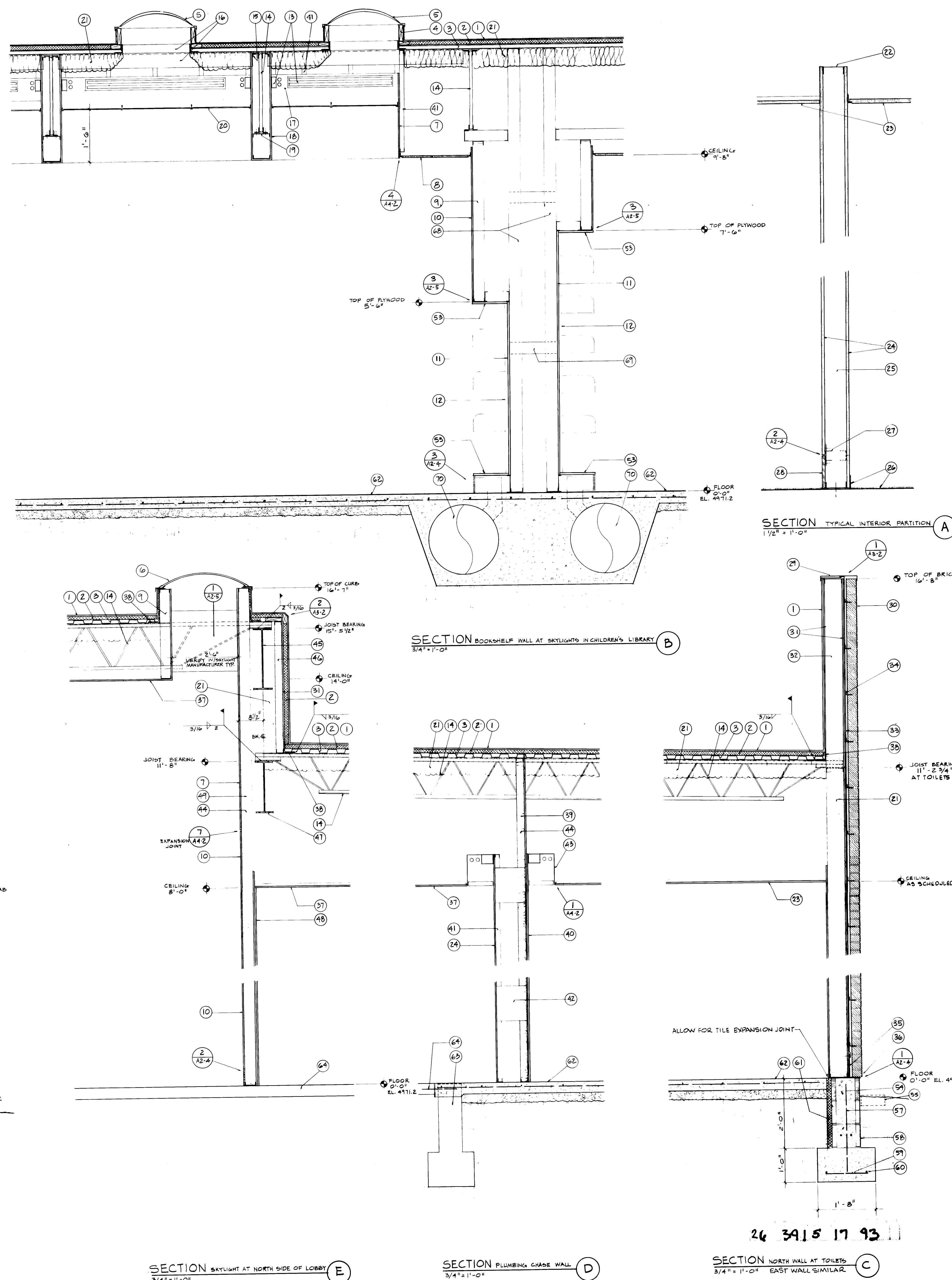
Hoshour & Pearson

WALL SECTIONS

DECEMBER 21, 1991

A2-7

1. Single ply roofing system.
2. 1 1/2" MD fiberboard mechanically fasten to steel roof deck. See specs.
3. 1 1/2" steel roof deck.
4. 2 x 6 curb.
5. 2' x 2' double dome skylight.
6. 2'-0" wide continuous vault skylight.
7. 5/8" painted gypsum board.
8. 2' x 2' lay in acoustical ceiling.
9. 3 5/8" metal studs 1'-4" c.c.
10. Fabric wall covering on 5/8" gypsum board.
11. 3/4" A-C plywood, screw to studs, cover plywood with fabric wall covering.
12. Standards and shelves. See specs. Screw attach standards to 3/4" plywood.
13. Fluorescent light fixtures. See Electrical sheet E-1.
14. Steel roof joist. See Framing Plan A2-2.
15. 24 GA metal angle. Attach to joist flange.
16. Steel angle frame at skylight opening. See Structural A2-3.
17. 5/8" painted gypsum board. Leave 3" gap at top for air flow.
18. 5/8" painted gypsum board. Hold plumb. Run to bottom of deck.
19. 6" track, attach to bottom chord of joist. Install studs as needed to hold bottom track in place.
20. 1/8" thick acrylic lens, install in typ. ceiling grid. See Ceiling Plan sheet A4-2 for grid alignment. See specs for type and fabrication.
21. R-19 foil faced insulation FS 25.
22. Brace top partition track to structure. Partition may terminate at ceiling where drywall ceilings are continuous.
23. Ceiling as scheduled.
24. 5/8" gypsum. See Finish Schedule for wall finish.
25. Metal studs 1'-4" c.c.
26. Floor covering and base as scheduled.
27. Continuous 1 5/8" steel track notched to bypass steel stud.
28. 5/8" particleboard base where scheduled. Screw to metal studs and cover with wall fabric. Tuck wall fabric into gap between particle board and 5/8" gypsum board.
29. 16 gauge sheet metal cap flashing.
30. 4" brick veneer. See specs.
31. 1/2" gypsum sheathing.
32. 6" - 18 GA "C" studs at 1'-4" c.c.
33. 15 lb. felt waterproofing.
34. Metal brick tiles. See specs for type. Space 1'-4" c.c. each way.
35. 26 gauge galvanized metal flashing. Fasten to wall at each stud. Overlap flashing and felt waterproofing.
36. Weep holes 2'-0" c.c.
37. Suspended 5/8" gypsum board ceiling.
38. L 4 x 4 x 1/4" weld to each stud and to steel joists.
39. 2 1/2" 20 GA steel studs 1'-4" c.c.
40. 2 layers 5/8" gypsum board run 2 layers to top of light fixture as shown. Continue 1 layer to bottom of deck.
41. 1 5/8" steel studs 1'-4" c.c.
42. Gypsum board braces 4'-0" c.c.
43. Recessed fluorescent light fixture. See Ceiling Plan A4-2 for ceiling opening.
44. 2 1/2" acoustical insulation.
45. W 21 x 44.
46. 2 1/2" studs 1'-4" c.c.
47. W 18 x 40.
48. 2 layers 5/8" gypsum board.
49. 3 5/8" S320 studs 1'-4" c.c.
50. 4" concrete slab with No. 4 at 12" c.c. each way.
51. 8" CMJ grout all cells solid. Horiz. reinforcement at 1'-4" c.c.
52. 5/8" gypsum board adhesive applied directly to CMJ wall finish as scheduled.
53. 3/4" plywood to match bookstack end panels. See specs.
54. No. 5 continuous.
55. 8" x 4" mow strip. See Site plan for locations.
56. Not used.
57. No. 5 vertical at 32" c.c.
58. 10" x 8" continuous C.M.U. bond beam with 2 No. 5 continuous.
59. No. 3 horizontal at 3'-0" c.c.
60. 2 No. 5 continuous.
61. 1 1/2" extruded poly. insulation.
62. 4" concrete slab with No. 3 at 14" c.c. each way on 3" compacted gravel base.
63. Existing stem wall and footing, remove top of stem wall necessary to place new slab.
64. Dowel into existing slab.
65. No. 4 dowels 12" c.c.
66. No. 4 vertical 32" c.c.
67. No. 4 dowels 2'-0" c.c.
68. 4" 18 GA steel studs, 1'-4" c.c. run from floor to bottom of deck. See Structural.
69. 4" 18 GA steel stud braces 4'-0" c.c.
70. Underfloor duct. See Mechanical.
71. 2 No. 4 cont.
72. L 4 x 4 x 5/16 bear 6" each end.
73. 2 - No. 4 continuous to vertical reinforced cell.
74. Paint exposed steel case.
75. Stainless steel chute.
76. 4" concrete slab 4000 lb. concrete, turn down edge, exposed aggregate finish, see Specs.
77. Depository face, anodized aluminum, see Specs. Center unit on brick module, see 10/A4-5.



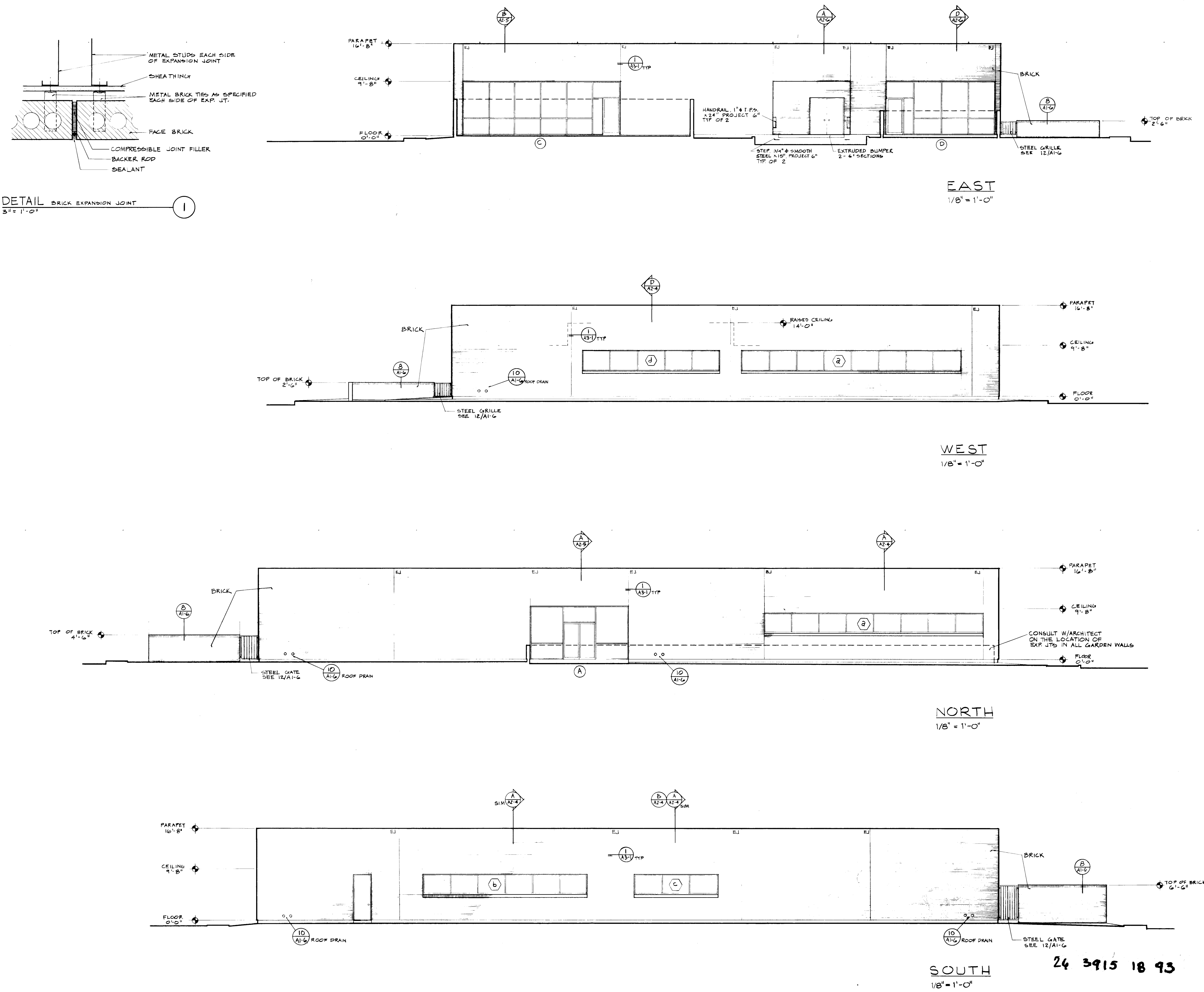
SECTION BOOKDROP INTERIOR WALL
3/4" x 1'-0"

SECTION NORTH WALL AT BOOKDROP
3/4" x 1'-0"

SECTION SKYLIGHT AT NORTH SIDE OF LOBBY
3/4" x 1'-0"

SECTION PLUMBING CHASE WALL
3/4" x 1'-0"

SECTION NORTH WALL AT TOILETS
3/4" x 1'-0" EAST WALL SIMILAR



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BUILDING ELEVATIONS

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A3-1

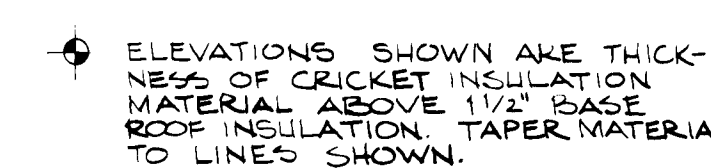
RECORD DRAWING APRIL 14, 1992



ROOF PLAN DETAILS

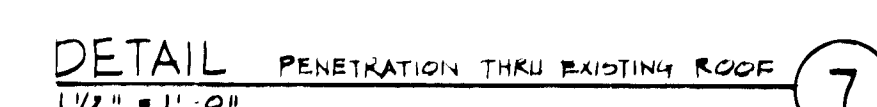
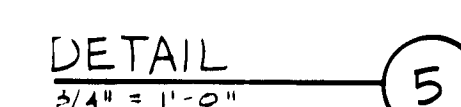
DECEMBER 21, 1989

A3-2

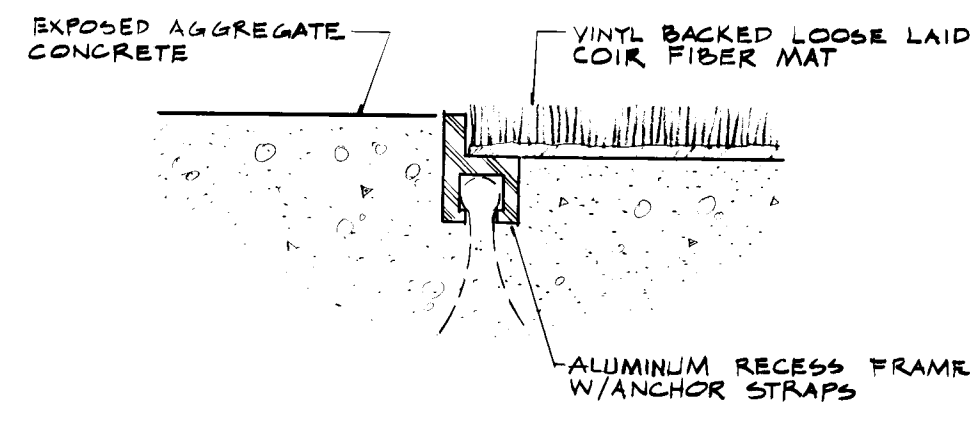


26 3915 19 93

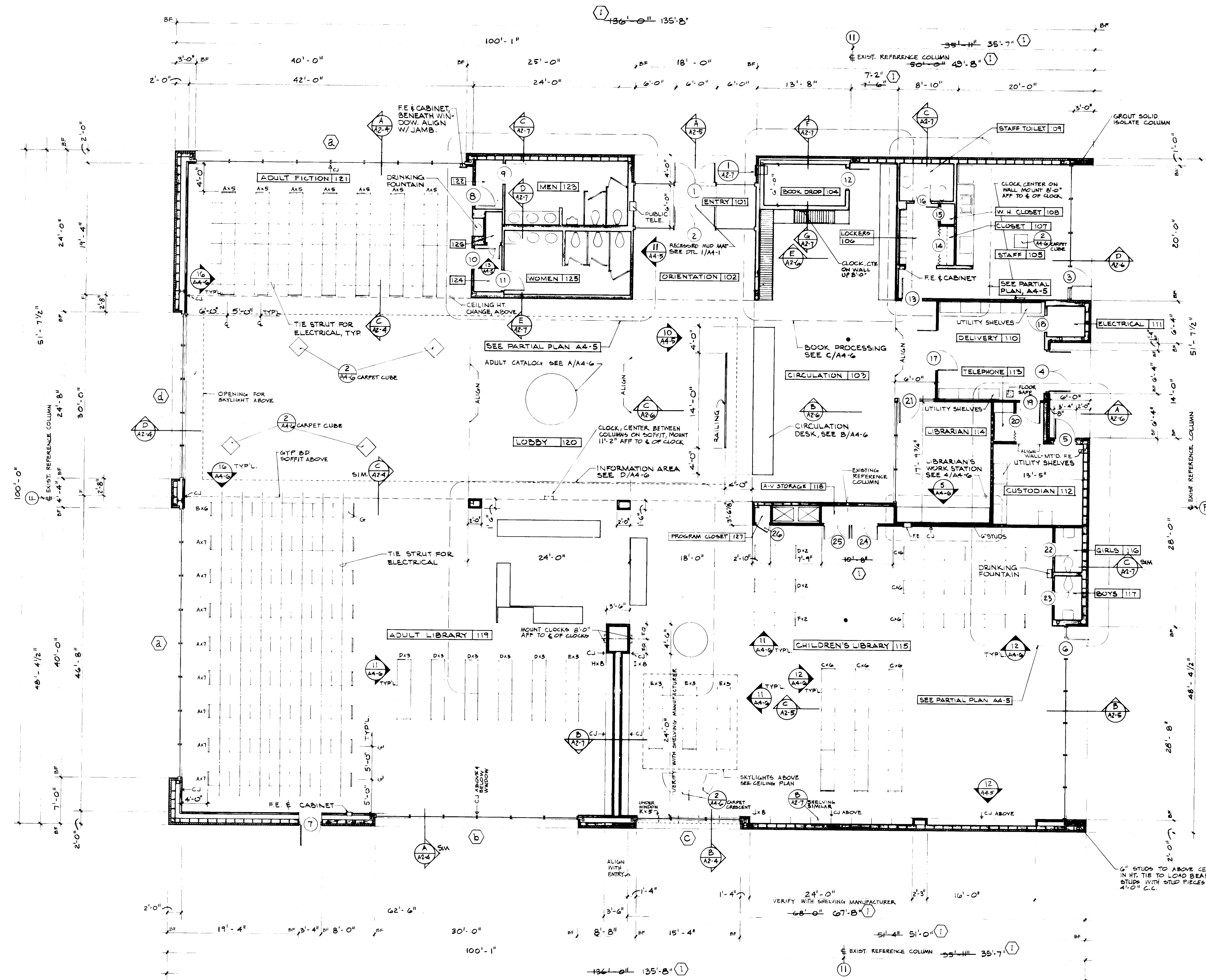
ROOF PLAN



1. Roof access hatch 3'-0" x 2'-6" with integral insulation.
2. L 3 1/2 x 2 1/2 x 1/4, weld to L 4 x 4 x 1/4.
3. L 4 x 4 x 1/4 weld to joist extended end.
4. Existing concrete deck.
5. 5 x 5 x 3/8 steel angle support frame.
6. W 14 x 48
7. Existing roof joist with extended ends.
8. 5/8" gypsum board ceiling.
9. 3/8" x 2 string, weld to brackets.
10. 3/4" diameter bars at 1'-0" c.c. weld to strings. Cover bars with non-slip material.
11. Existing extended joist ends.
12. 6" - 18 GA steel studs.
13. 5/8" gypsum board.
14. Single ply roofing system.
15. Not used.
16. 3 5/8" studs 1'-4" c.c. run to underside of deck.
17. 5/8" gypsum board run to bottom of deck and as shown.
18. 7/8" furring channels 1'-4" c.c. weld to steel angle.
19. 7/8" furring channels 1'-4" c.c. weld to existing joist end.
20. Round top and grind smooth.
21. 3/8" x 2 1/2" bent steel plate weld to extended joist end.
22. 3/8" x 2 1/2" bent steel plate, bolt to blocking in wall.
23. Steel plate bracket, bolt to floor.
24. Not used.
25. Air handling unit see mechanical.
26. 32" wide roof walkway material, adhere to roof membrane allow 4" between pieces for drainage.
27. 2' x 2' skylights see ceiling plan.
28. 2'-0" wide continuous vault skylight.
29. 1 1/2" steel roof deck.
30. 1 1/2" MD fiberboard.
31. 1/2" MD fiberboard.
32. Steel roof joists.
33. 3 5/8" studs.
34. W 21 x 44
35. W 18 x 40
36. 5/8" gypsum board.
37. Zurn Z-187 parapet scupper drain.
38. 3" hubless cast iron drain pipe and fittings.
39. Single ply roofing penetration flashing.
40. Not used.
41. 16 GA galvanized flashing with integral splice plate. Screw to steel studs with neoprene washers, set in sealant.
42. 1/2" gyp. sheathing.
43. Brick veneer.
44. 2 x 4
45. 2 x 6
46. 15 lb. felt waterproofing.
47. Not used.
48. 1 1/2" diameter spigot tube.
49. Prefabricated roof curb, see Mech.
50. Existing 14" weight concrete deck, saw cut opening for mech. equipment.
51. Not used.
52. Not used.
53. Sht. metal lining around entire opening.



DETAIL FLOOR MAT
HALF SIZE



24 3915 20 93

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

NOTES:
REFER TO SPECIFICATIONS FOR DESCRIPTION OF
LIBRARY SHELVING. SEE ELECTRICAL FOR A18
LIGHTING LOCATIONS. UNITS AS DIRECTED BY
ARCHITECT.
LETTER OF SHELVING DESIGNATION INDICATES
SHELVING TYPE AS INDICATED IN SPEC.
NUMBER INDICATES ANCHOR TO BE 3'-0"
MINIMUM. ANCHOR WIDTH TO BE 3'-0"
CONSULT WITH ARCHITECT FOR FINAL LOCATION
OF ALL CONTROL JOINTS.



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FLOOR PLAN

DECEMBER 21, 1989

A4-1

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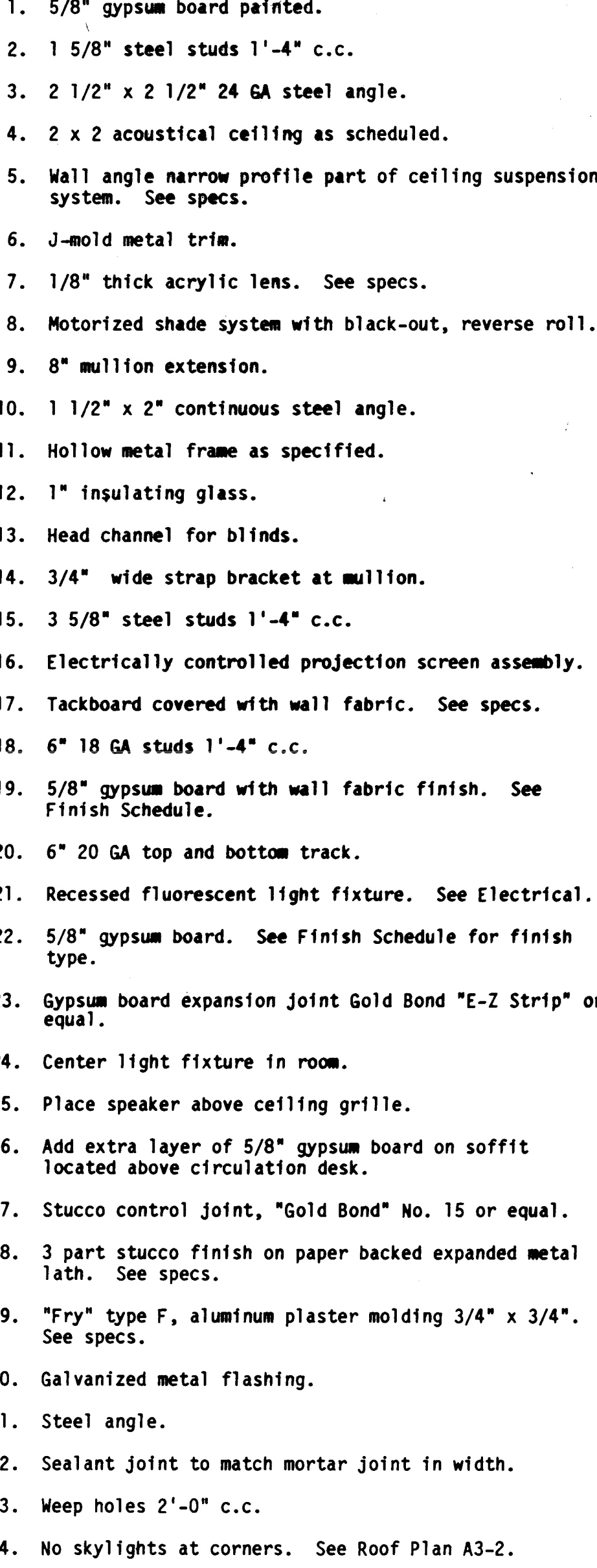


LOS GRIEGOS BRANCH LIBRARY
CITY OF ALBUQUERQUE
SENIOR CENTER AND EVANSON
BRANCH

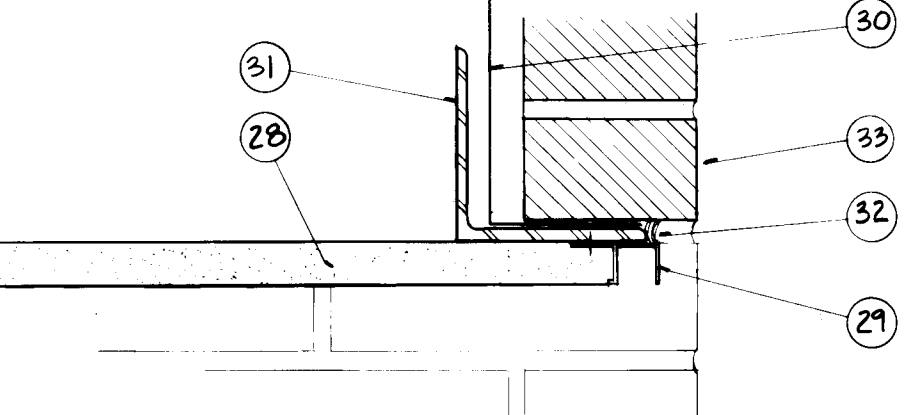
CEILING PLAN

DECEMBER 21, 1989

A4-2



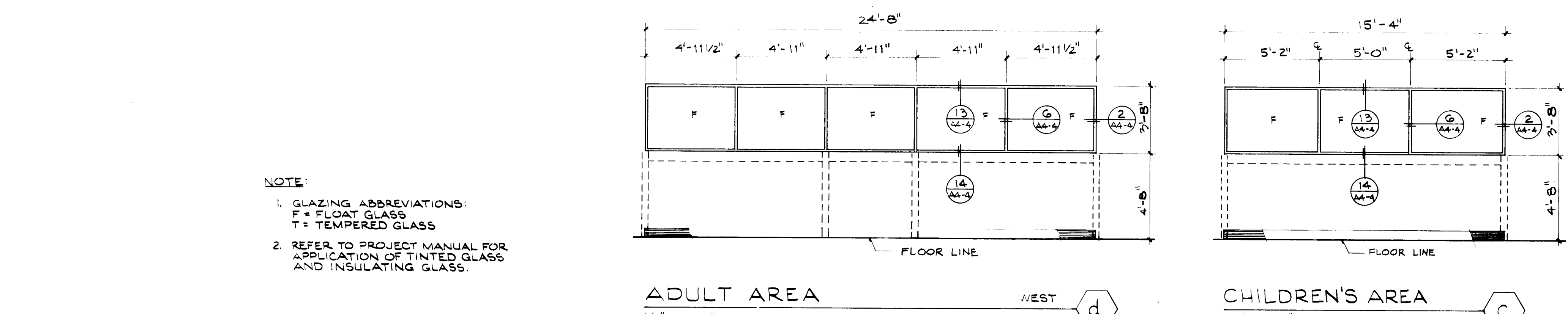
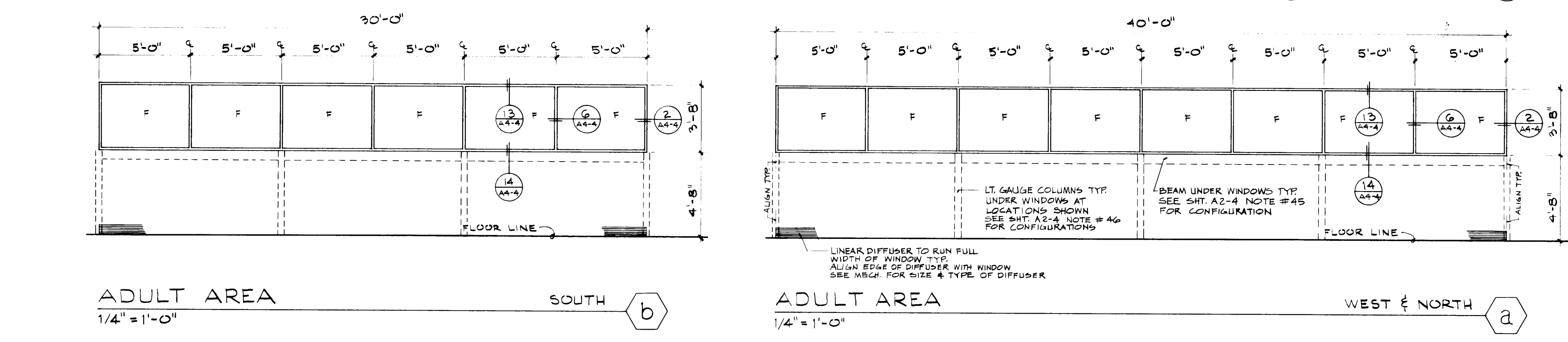
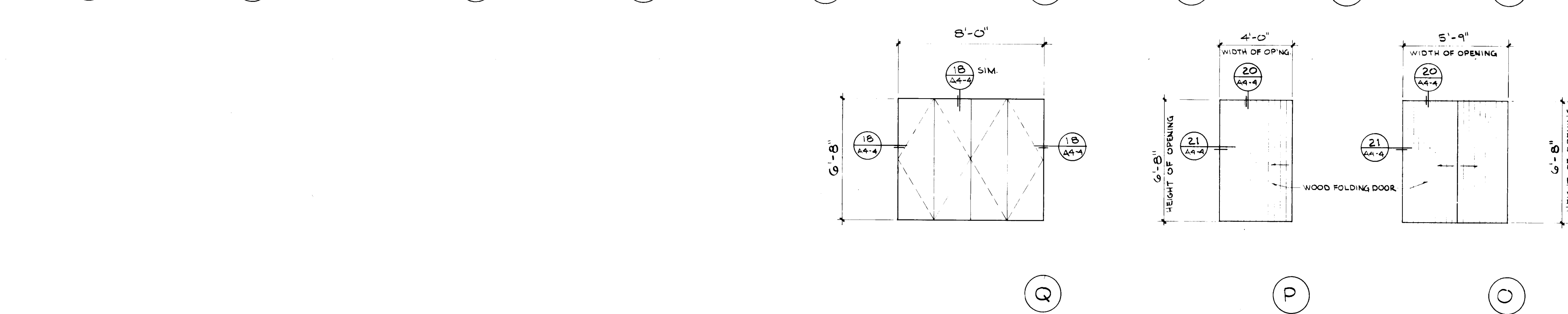
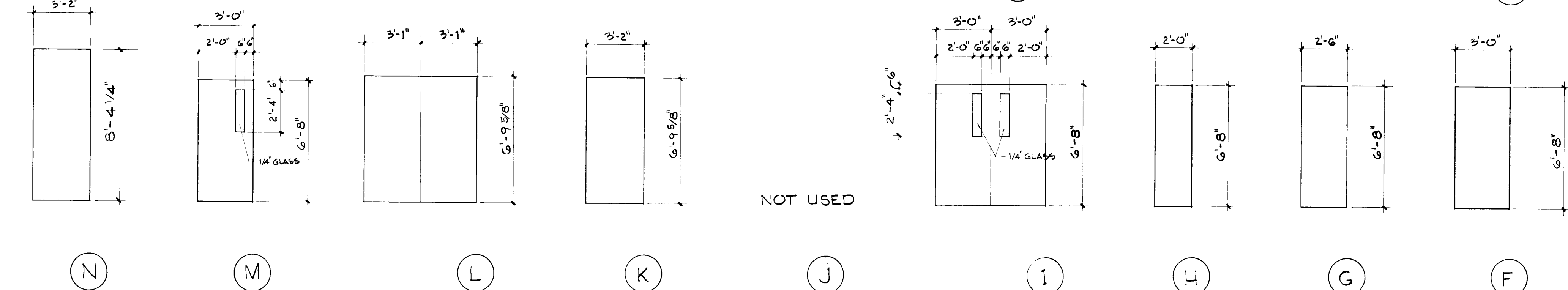
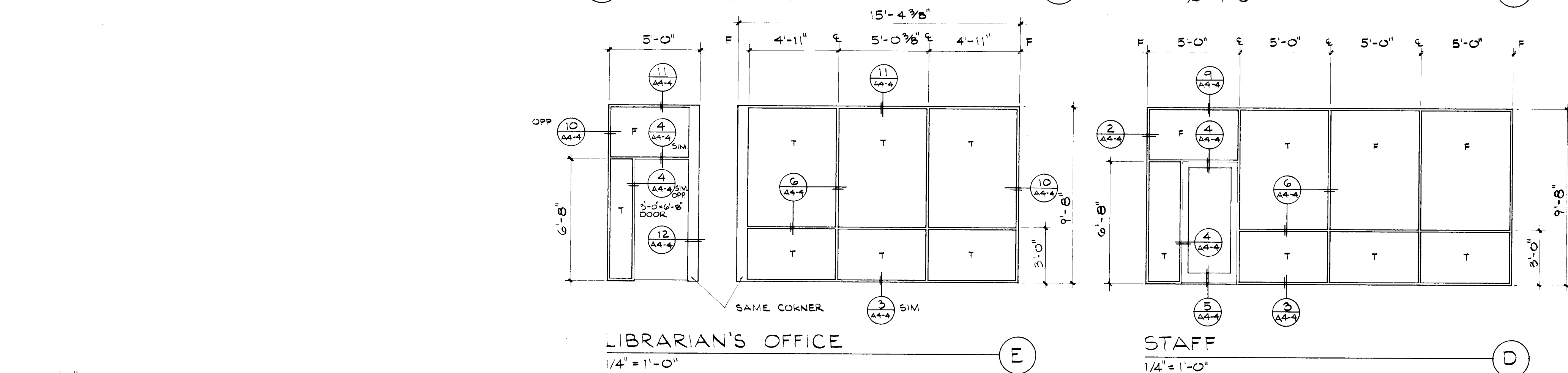
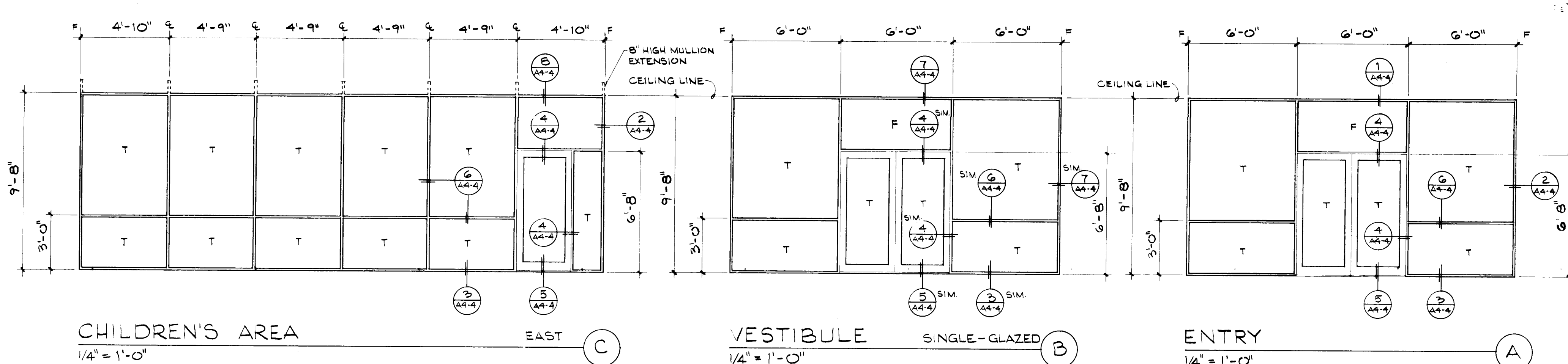
- ⊗ = EXIT SIGN
- = LIGHT FIXTURE
- = MECHANICAL DIFFUSER
- ⊙ = SPEAKER



26 3916 21 93

DETAIL DRIP AT SOFFIT
3" = 1'-0"

RECORD DRAWING APRIL 14, 1992



NOTE:
1. GLAZING ABBREVIATIONS:
F = FLOAT GLASS
T = TEMPERED GLASS
2. REFER TO PROJECT MANUAL FOR
APPLICATION OF TINTED GLASS
AND INSULATING GLASS.

DOOR SCHEDULE																
MARK	LOCATION	SIZE			DOOR TYPE	MATERIAL				DETAIL				NOTES		
		WIDTH	HEIGHT	THICKNESS		FACE	CORE	FRAME	FINISH	LIGHT	LOUVER	THRESHOLD	LABEL		HEAD	JAMB
1	EXT/101	PR 3'-0"	6'-8"	1 3/4"	A	HM		HM	P	FULL		ALUM	4	4	5	FINISH: T= PRE-FINISHED TRANSPARENT P= JOB PAINTED
2	101/102	PR 3'-0"	6'-8"	1 3/4"	B	HM		HM	P	FULL		ALUM	4	4	5	
3	EXT/105	3'-0"	6'-8"	1 3/4"	D	HM		HM	P	FULL		ALUM	4	4	5	
4	EXT/110	PR 3'-11"	6'-9 1/2"	1 3/4"	L	HM	INSUL	HM	P			ALUM	15	16	17	
5	EXT/112	3'-2"	6'-9 1/2"	1 3/4"	K	HM	INSUL	HM	P			ALUM	15	16	17	
6	EXT/115	3'-0"	6'-8"	1 3/4"	C	HM		HM	P	FULL		ALUM	4	4	5	
7	EXT/119	3'-2"	6'-8 1/4"	1 3/4"	N	HM	NSUL	HM	P			ALUM	15	16	17	
8	121/122	3'-0"	6'-8"	1 3/4"	F	WD	SC	HM	T				18	18		
9	122/123	3'-0"	6'-8"	1 3/4"	F	WD	SC	HM	T				18	18		
10	121/124	3'-0"	6'-8"	1 3/4"	F	WD	SC	HM	T				18	18		
11	124/125	3'-0"	6'-8"	1 3/4"	F	WD	SC	HM	T				18	18		
12	104/106	3'-0"	6'-8"	1 3/4"	F	HM	NSUL	HM	P		ALUM	3/4"	19	19		
13	105/106	3'-0"	6'-8"	1 3/4"	M	WD	SC	HM	T	6'-2'-4"			18	18		
14	106/107	5'-9"	6'-8"	1 3/4"	O	WD	SC	HM	T				20	21	FOLDING DOOR	
15	106/108	2'-0"	6'-8"	1 3/4"	H	WD	SC	HM	T				18	18		
16	106/109	2'-6"	6'-8"	1 3/4"	G	WD	SC	HM	T				18	18		
17	103/110	PR 3'-0"	6'-8"	1 3/4"	I	WD	SC	HM	SPECIAL				22	23	SCRATCH-RESISTANT FINISH AS SPECIFIED	
18	110/111	3'-0"	6'-8"	1 3/4"	F	WD	SC	HM	P				18	18		
19	110/112	3'-0"	6'-8"	1 3/4"	F	WD	SC	HM	P		ALUM 1/2" HR		18	18		
20	112/113	4'-0"	6'-8"	3/8"	P	WD	SC	—	SPECIAL				20	21	FOLDING DOOR, VINYL FINISH AS SPECIFIED	
21	103/114	3'-0"	6'-8"	1 3/4"	E	WD	SC	HM	T				45	12/45		
22	115/116	2'-0"	6'-8"	1 3/4"	H	WD	SC	HV	T				18	18		
23	115/117	2'-0"	6'-8"	1 3/4"	H	WD	SC	HM	T				18	18		
24	115/118	PR 2'-0"	6'-8"	1 3/4"	Q	WD	SC	HM	T				18	18		
25	115/118	PR 2'-0"	6'-8"	1 3/4"	Q	WD	SC	HM	T				18	18		
26	115/127	2'-0"	6'-8"	1 3/4"	H	WD	SC	WD	P				25	25		

FINISH SCHEDULE																							
MARK	ROOM	FLOOR	BASE				WALLS				CEILING			NOTES									
			CONCRETE WITH SEALER	CERAMIC TILE	EXPOSED AGGREGATE CONC	VINYL COMPOSITION TILE	NON-FINISH WALL TO FLOOR	CERAMIC TILE	2 1/2" VINYL TOILESS	2 1/2" VINYL COVE	FABRIC BASE	EXPOSED CONC FILLER / PAINTED	CERAMIC TILE		VINYL WALL COVERING	PABRIC WALL COVERING	PAINTED WALLBOARD	EXPOSED CONC PAINTED	SUSPENDED ACOUSTICAL	PAINTED GYP BOARD		CEILING HEIGHT	
101	ENTRY		1	2	3	4	5	1	2	3	4	5	1	2	3						9'-8"	MUD MAT, DTL. 1/4"-1	
102	ORIENTATION				3	4				5			1									9'-8"	
103	CIRCULATION				3					5			1				2					9'-8"	
104	BOOK DROP		1				1				1					1						8'-0"	
105	STAFF				3			3				4					2					9'-8"	
106	LOCKERS				3			3					4					3				8'-0"	
107	CLOSET				3			3						5				3				8'-0"	
108	W.H. CLOSET		1					4						5				3				8'-0"	
109	STAFF TOILET ROOM		1	2			2				3			5				3				8'-0"	
110	DELIVERY		1			5		4				3					2					9'-0"	
111	ELECTRICAL		1			5		4					5									8'-0"	
112	CUSTODIAN		1			5		4					5									9'-0"	
113	TELEPHONE		1			5		4					5									8'-0"	
114	LIBRARIAN				3				5		4					2						9'-8"	
115	CHILDRENS LIBRARY				3				5		4					2						9'-8"	
116	GIRLS TOILET ROOM		2				2				3											8'-0"	
117	BOYS TOILET ROOM		2				2															8'-0"	
118	AUDIOVISUAL STORAGE				3				5		4											8'-0"	
119	ADULT LIBRARY				3				5		4	5				2						9'-8"	
120	LOBBY				3				5		4	5					3					14'-0"	STOP FABRIC AT 11' 8" AT EX. IT. PAINTED OFF 80" ABOVE. SEE WALL SECTIONS. SHT. A2-A1 & A2-T
121	ADULT FICTION				3				5		4					2						9'-8"	
122	VESTIBULE				3				5			3										8'-0"	
123	MEN'S TOILET ROOM		2				2				2											8'-0"	
124	VESTIBULE				3				5			3										8'-0"	
125	WOMEN TOILET ROOM				3				5			3										8'-0"	
126	W.H. CLOSET		1					2			2			5				3				8'-0"	
127	PROGRAM CLOSET							3					5					3				8'-0"	

24 3915 22 93

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STATE OF NEW MEXICO
DANIEL L. PEARSON
NO. 1844
REGISTERED ARCHITECT

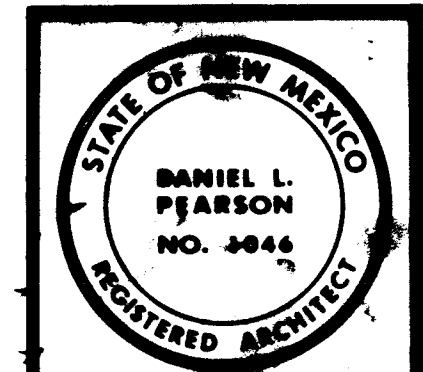
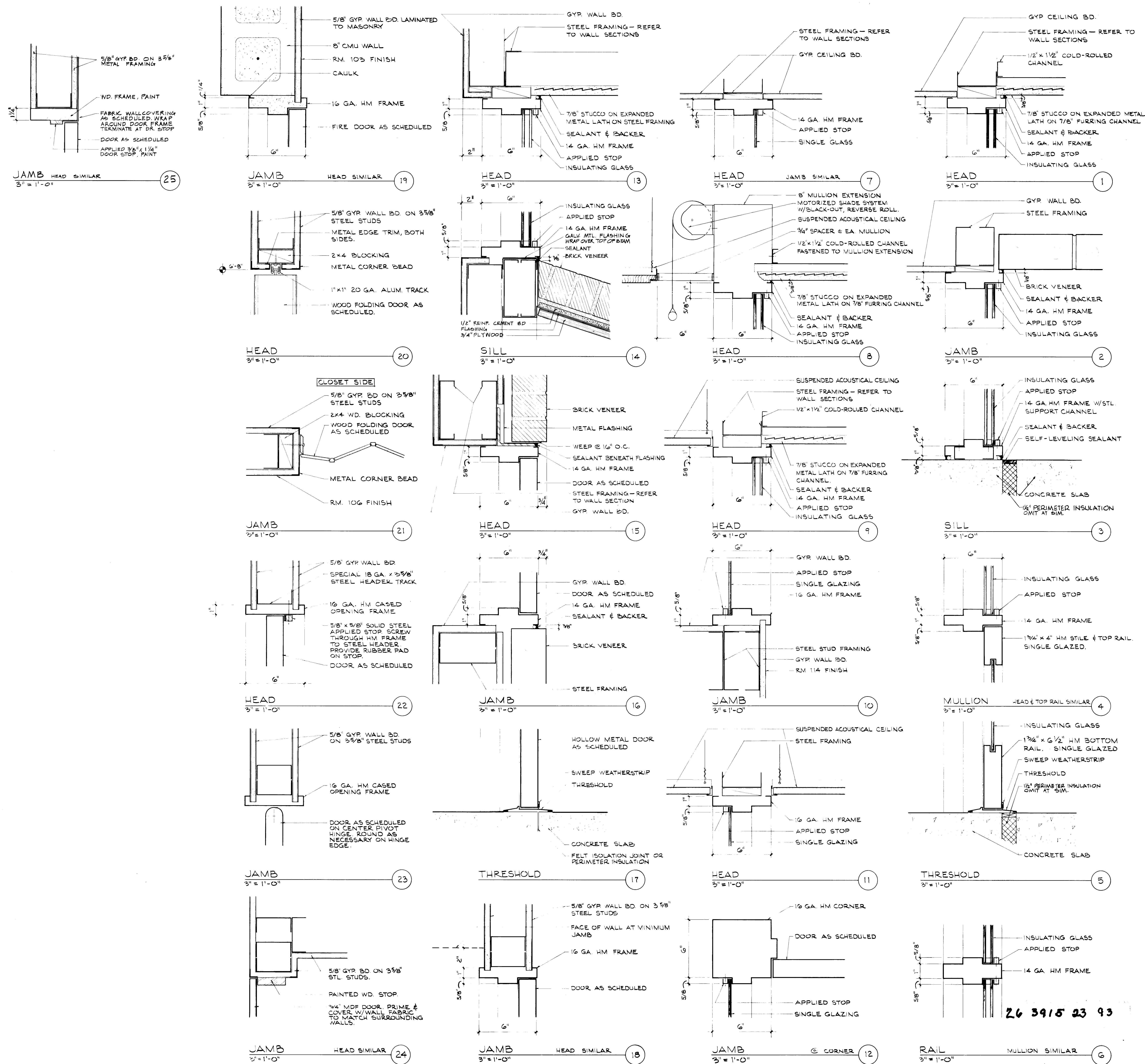
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LOS ANGELES BRANCH OFFICE

SCHEDULES
DOOR & WINDOW ELEVATIONS

DECEMBER 21, 1989

A4-3



Hoshour & Pearson

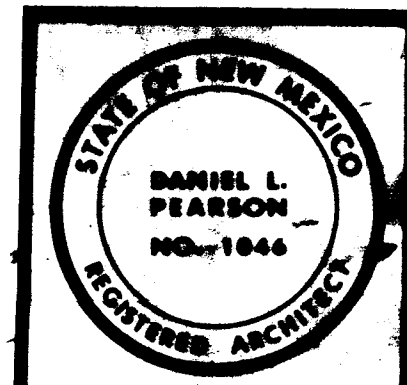
LOS GREGOS BRANCH LIBRARY
RESEARCH AND EXTENSION

DOOR & WINDOW DETAILS

DECEMBER 21, 1991

A4-4

RECORD DRAWING APRIL 14, 1992

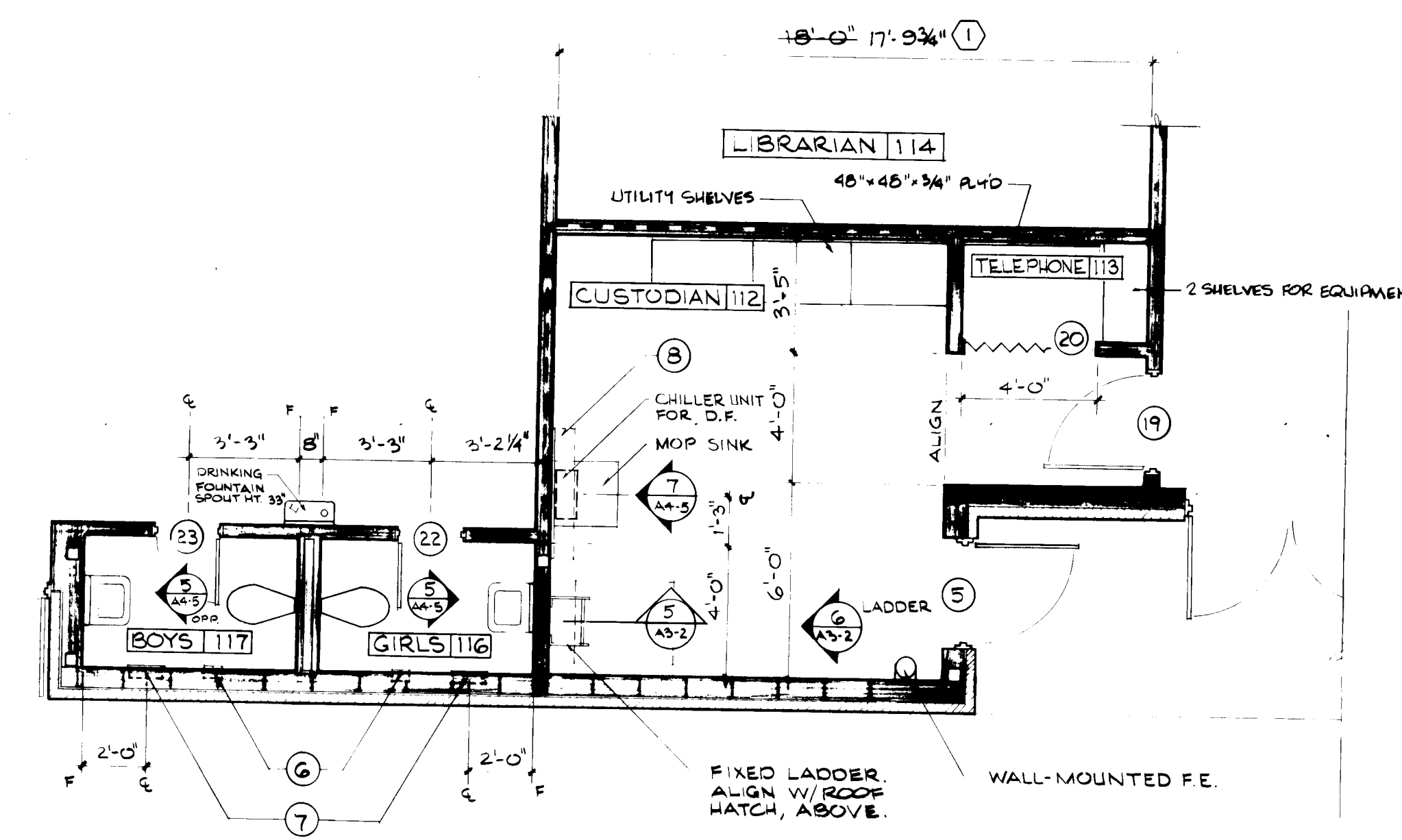
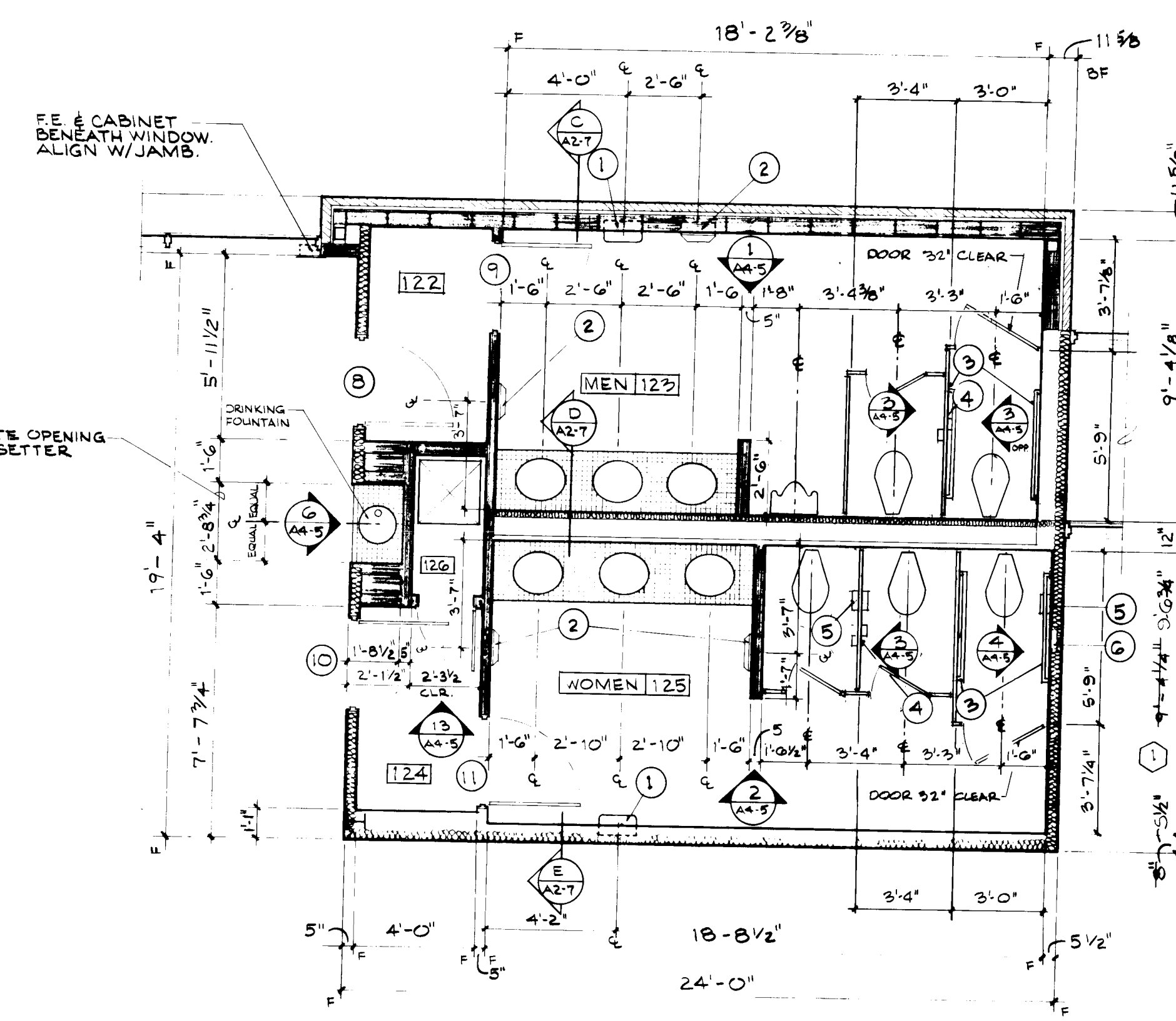
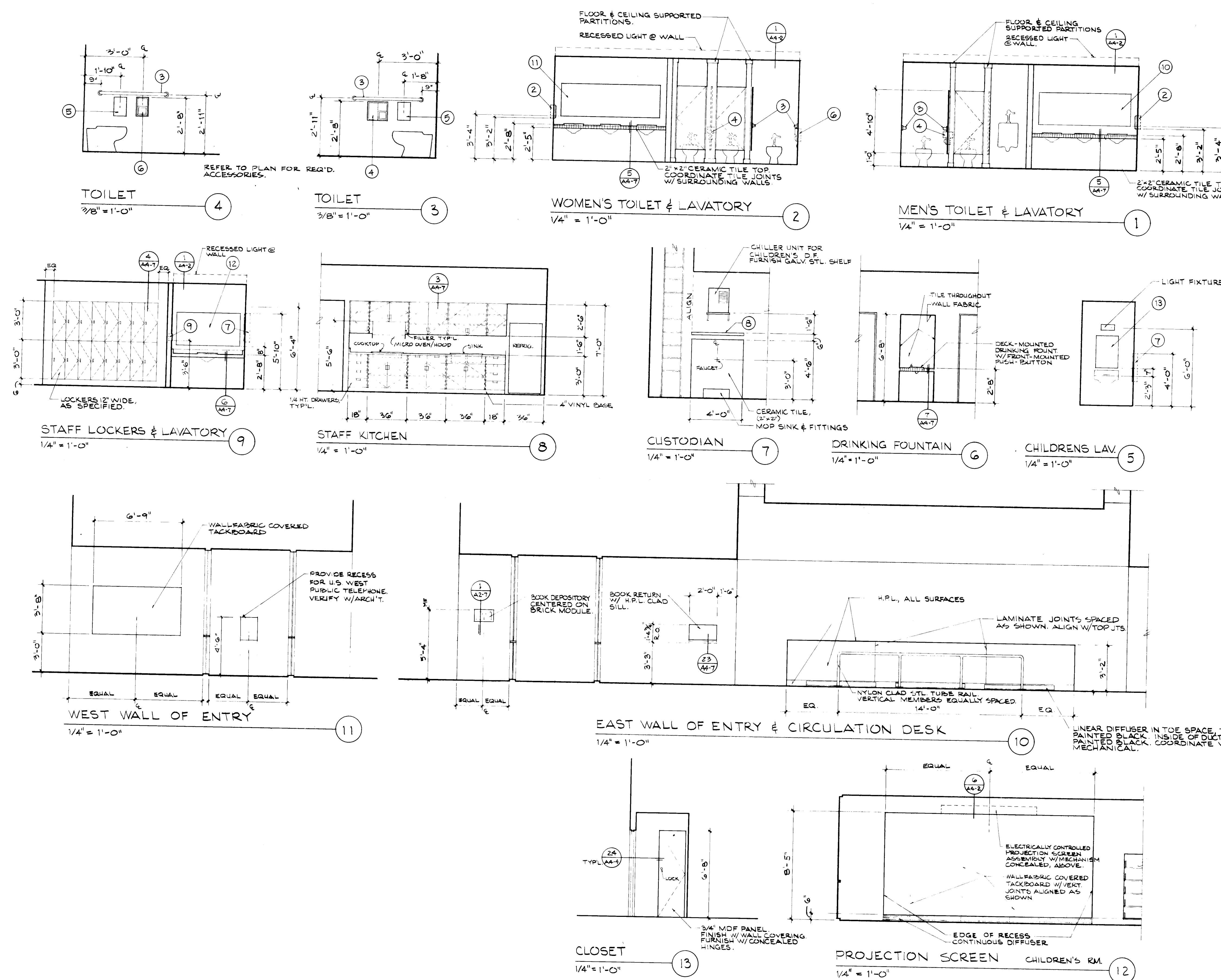


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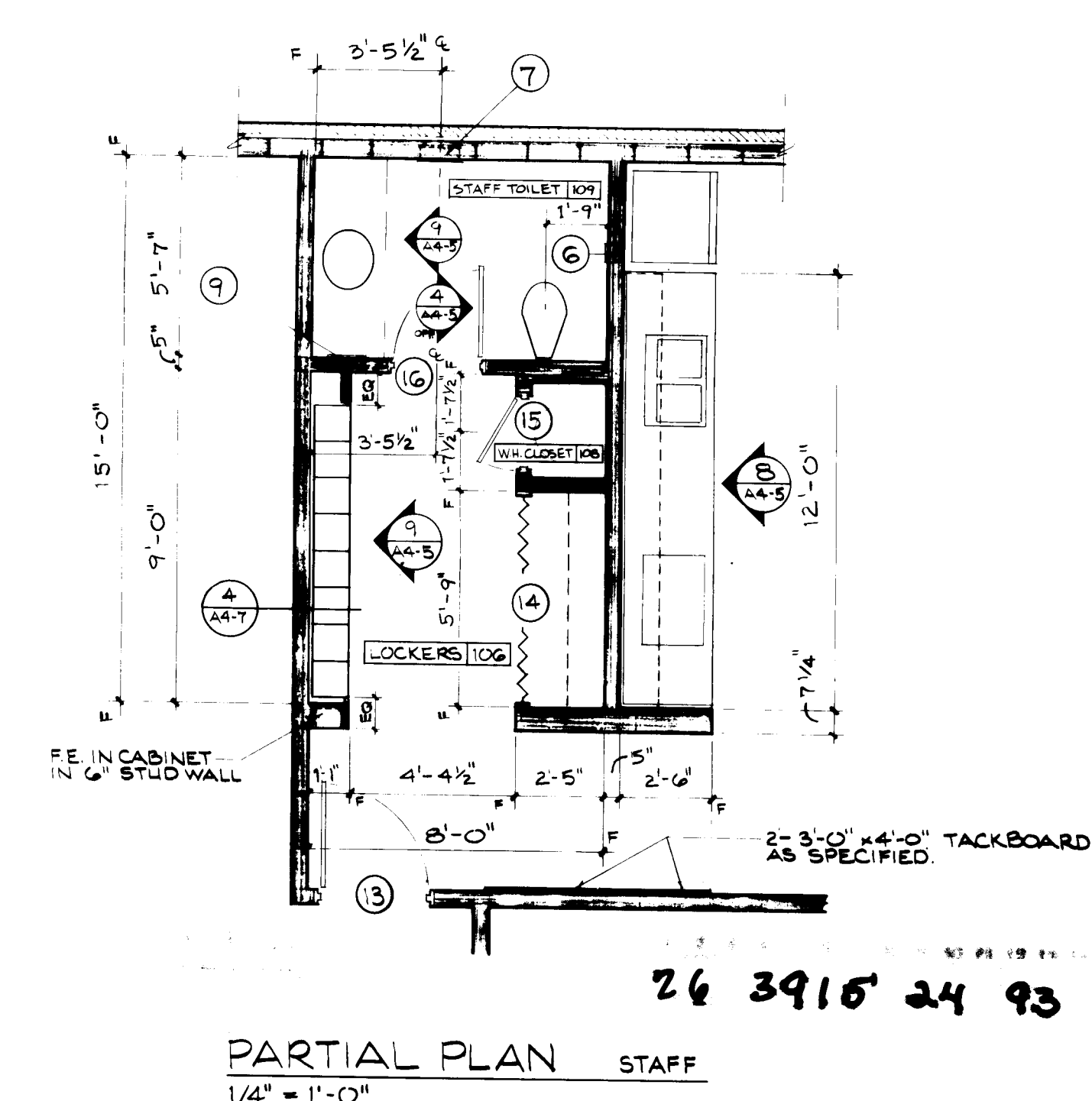
PARTIAL PLANS
INTERIOR ELEVATIONS

DECEMBER 21, 1991

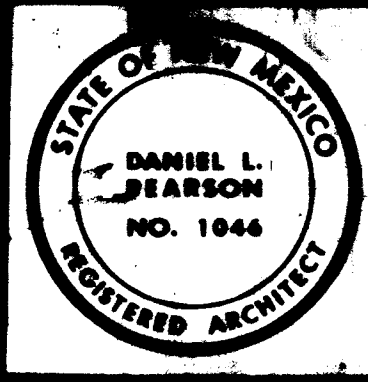
A4-5



ACCESSORIES	
①	WASTE RECEPTACLE - RECESSED
②	HAND DRYER, ELECTRIC - RECESSED
③	GRAB BARS X 42" L.
④	DUAL TOILET TISSUE DISPENSER - PARTITION MOUNT
⑤	SANITARY NAPKIN DISPOSAL - SURFACE MOUNT
⑥	TOILET TISSUE DISPENSER - RECESSED
⑦	TOWEL DISPENSER & WASTE RECEPT. - RECESSED
⑧	8" X 48" SHELF UNIT W/ MOP HOLDER & RAG HOOKS
⑨	FACIAL TISSUE DISPENSER - RECESSED
⑩	MIRROR - 30 1/4" X 84" W
⑪	MIRROR - 30 1/4" X 92" W
⑫	MIRROR - 20 1/4" X 59" W
⑬	MIRROR - 30 1/4" X 20" W



RECORD DRAWING APRIL 14, 1992



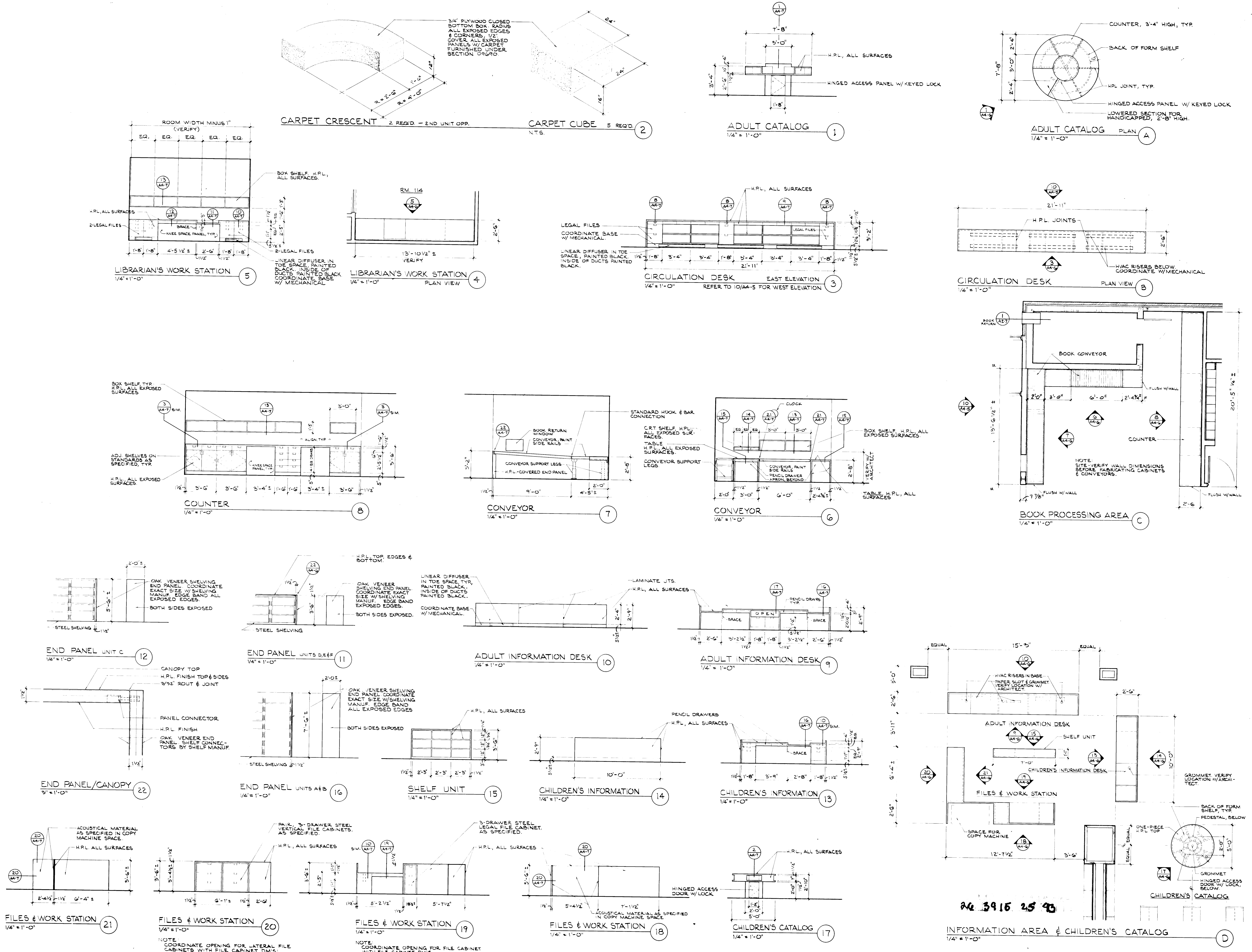
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CABINET PLANS & ELEVATIONS

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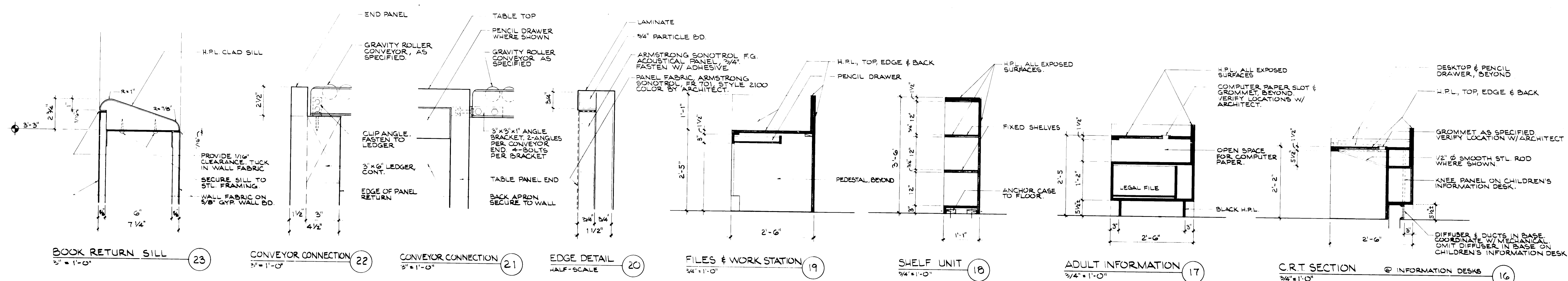
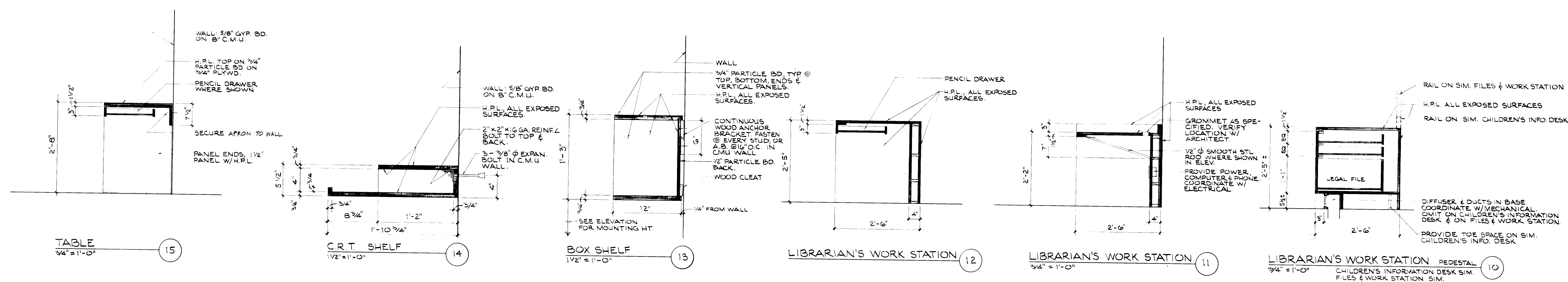
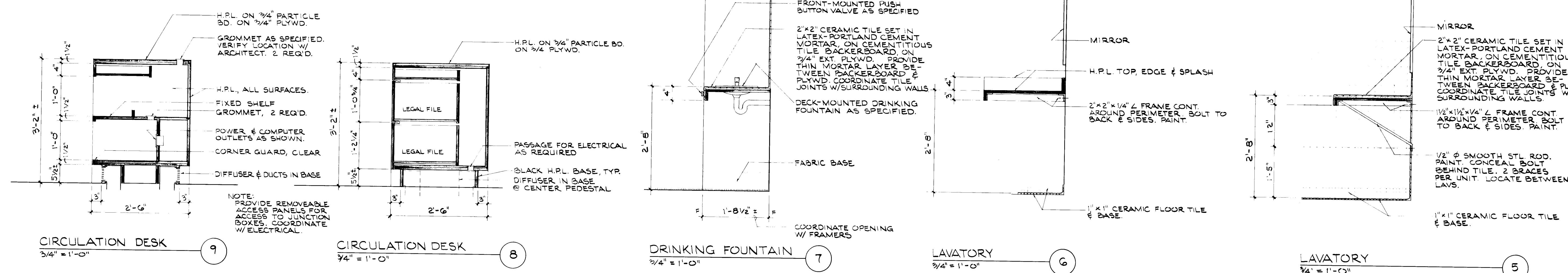
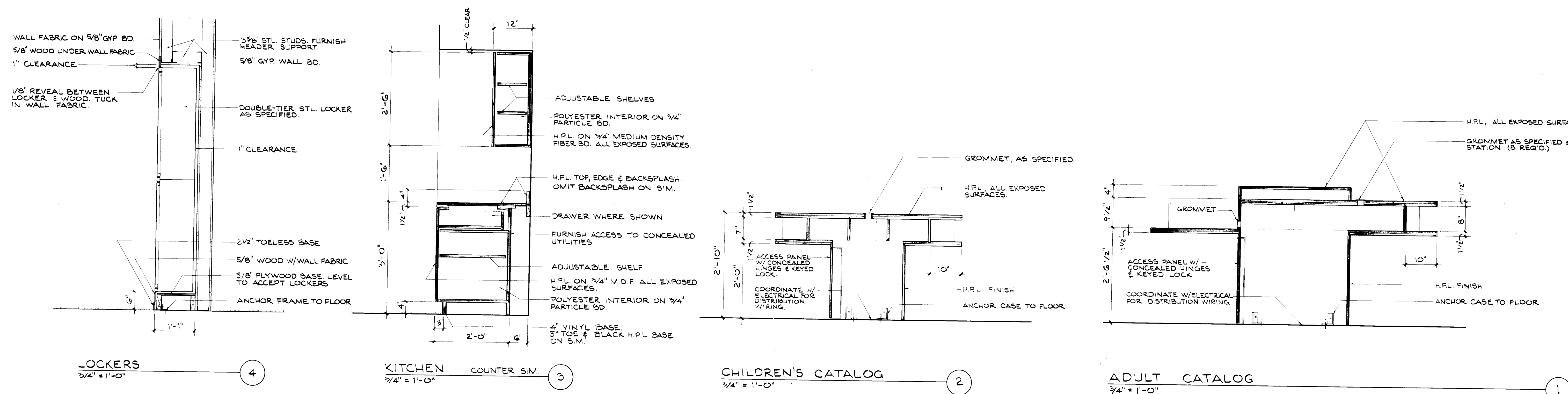
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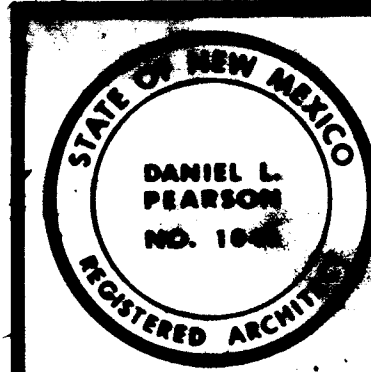
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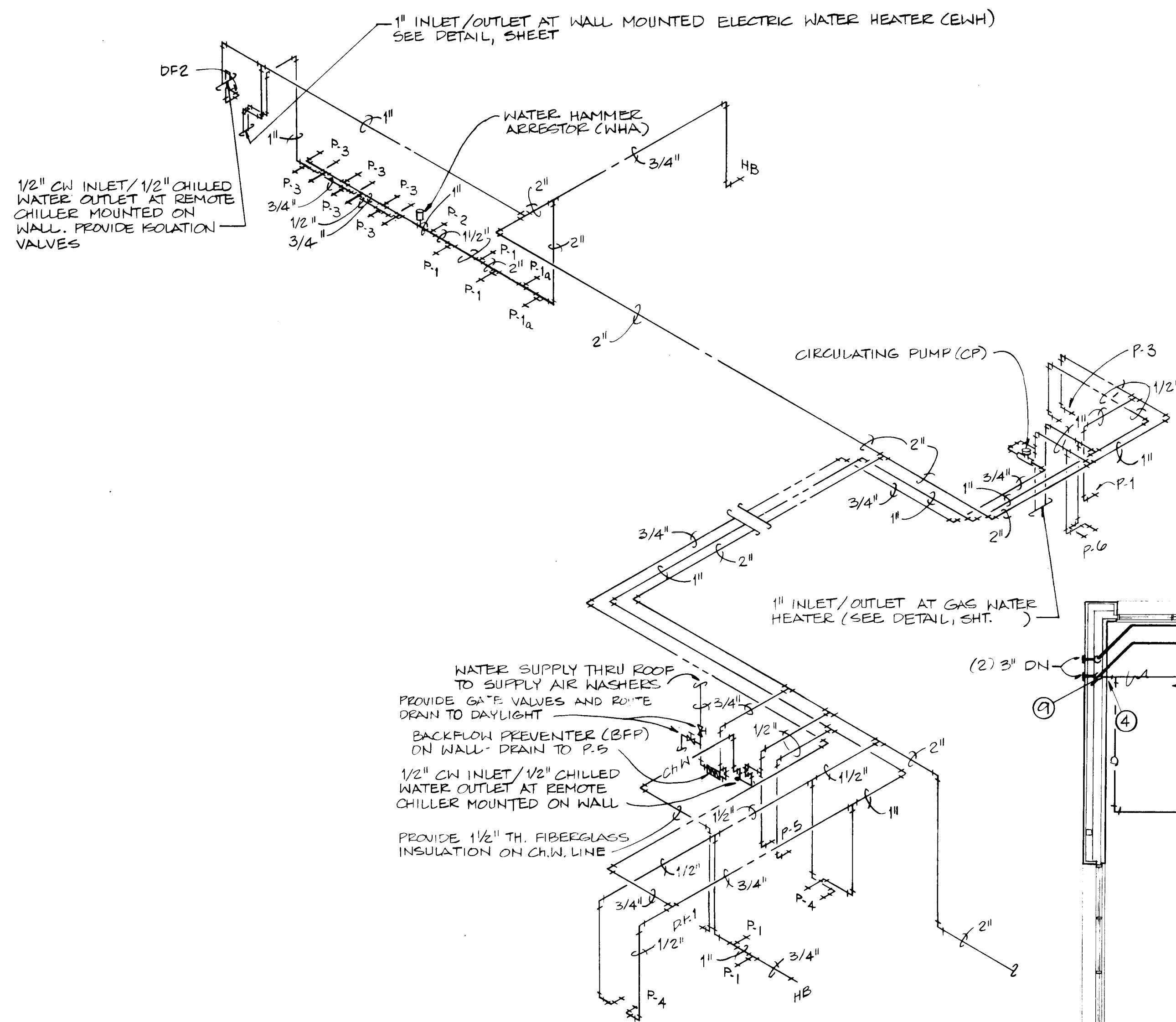
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PLUMBING FLOOR PLAN

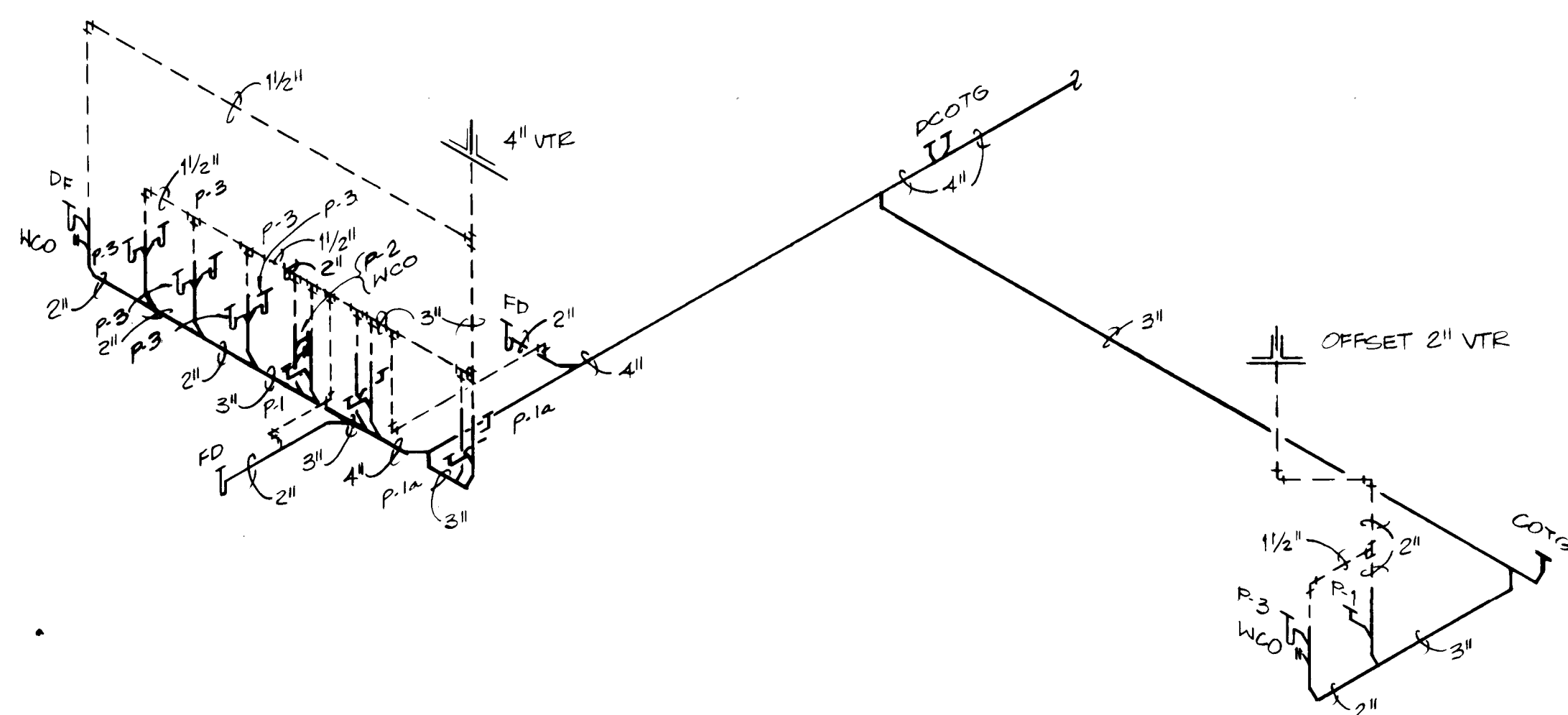
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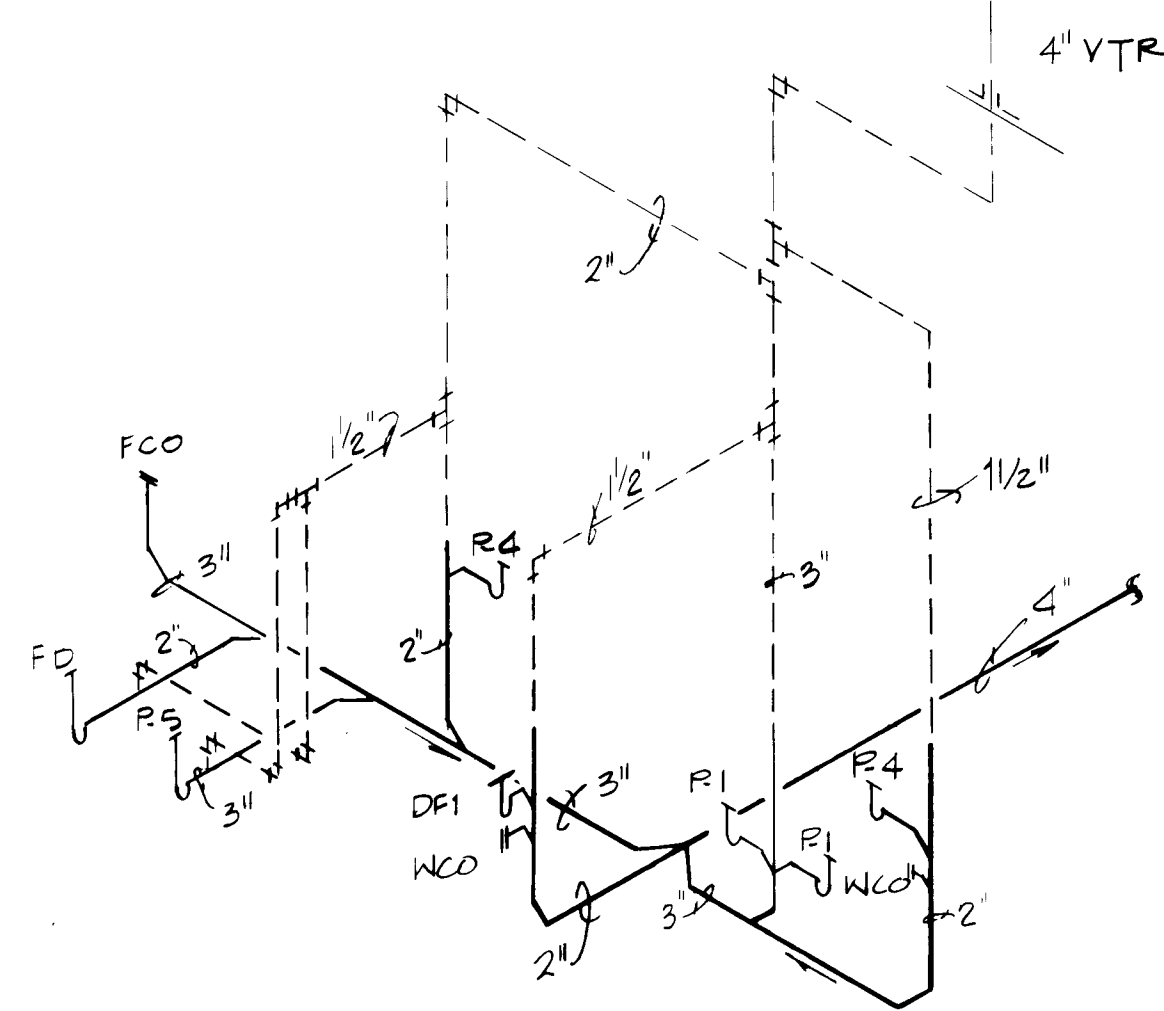
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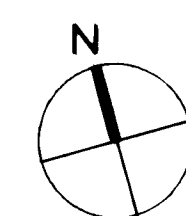
WATER PIPING ISOMETRIC
NO SCALE



WASTE AND VENT PIPING ISOMETRIC (NORTH)
NO SCALE

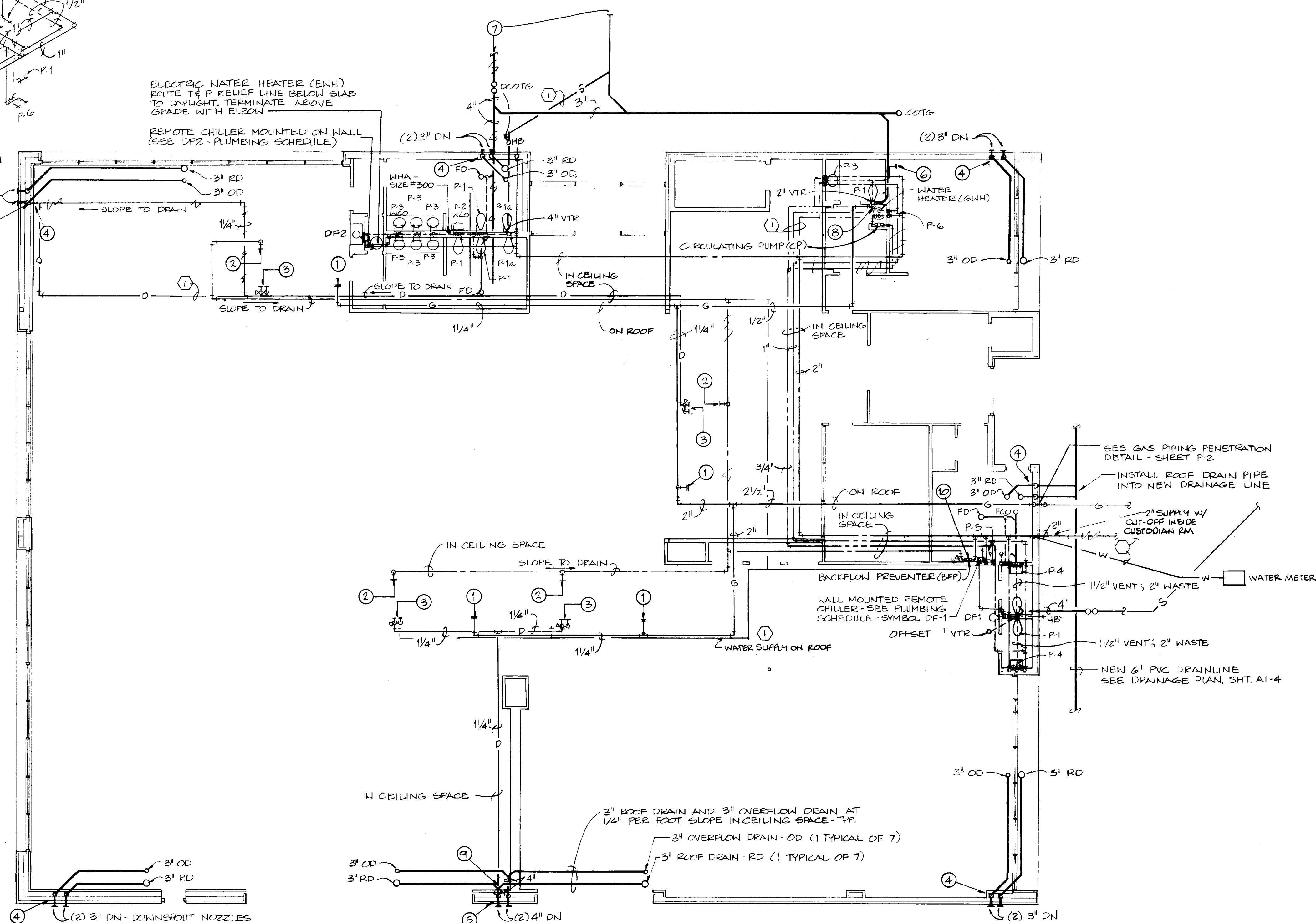


WASTE AND VENT PIPING ISOMETRIC (EAST)
NO SCALE

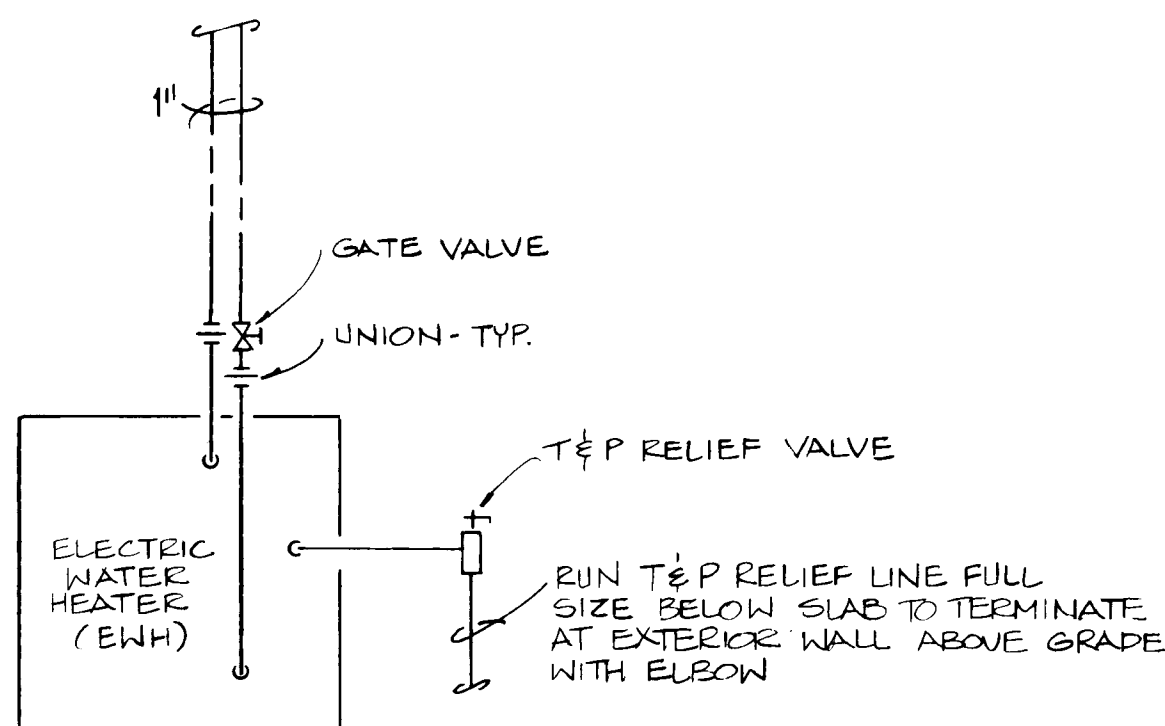
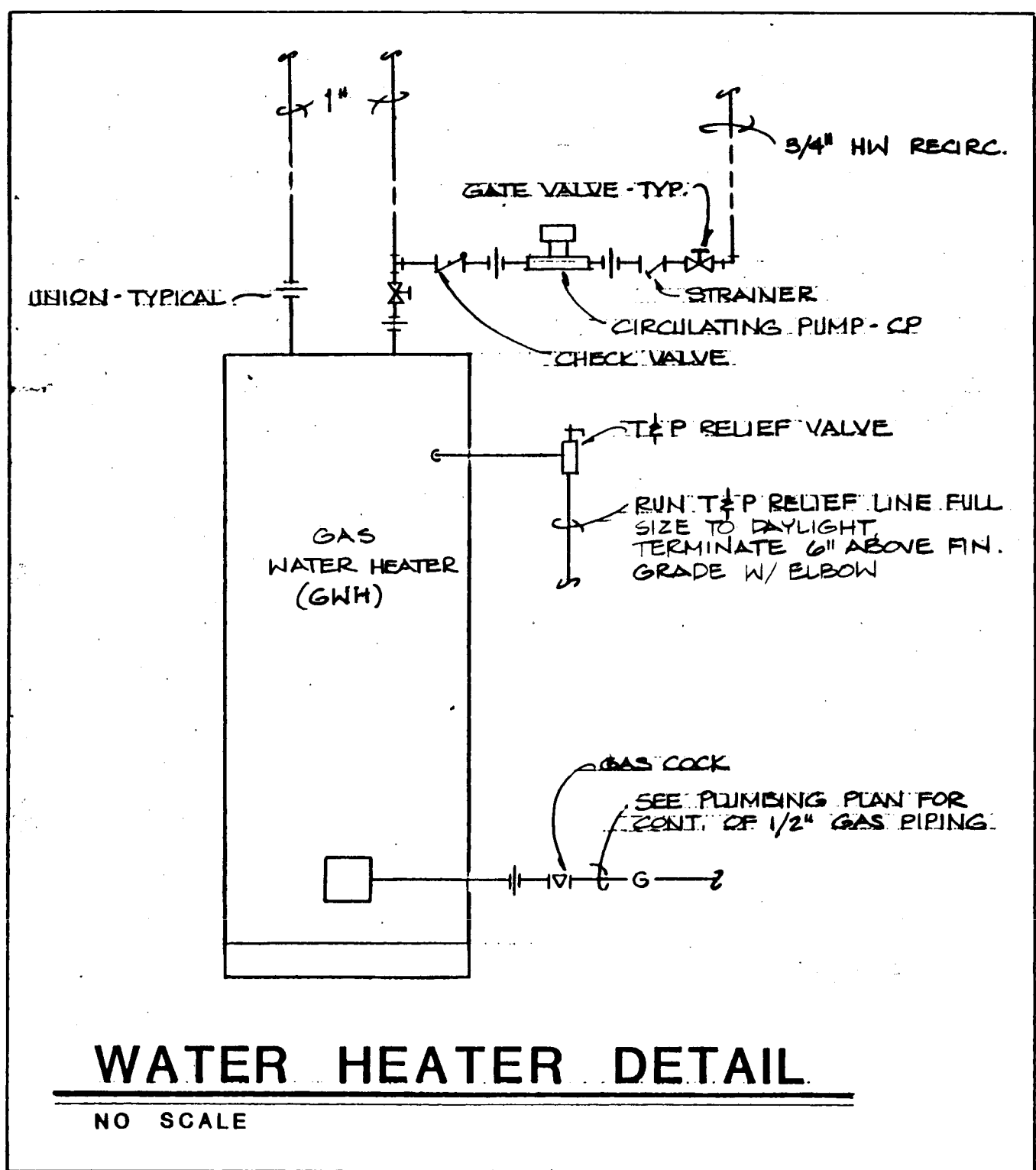


PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0"

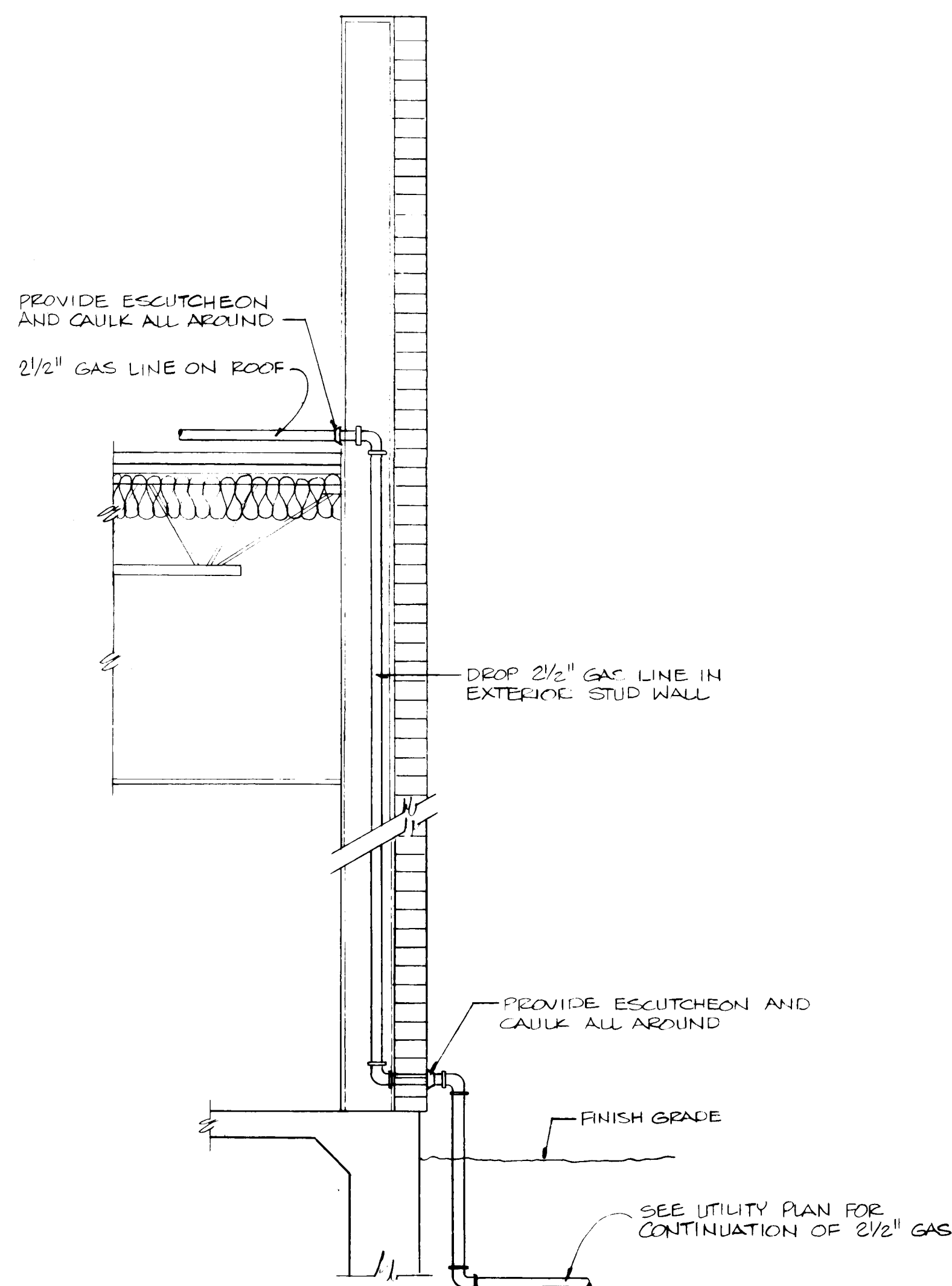
- KEYED NOTES:
1. CONNECT 1-1/4" GAS TO FURNACE SECTION OF HVAC UNIT WITH GAS COCK AND UNION.
 2. CONNECT 1/2" WATER TO AIR WASHER SECTION OF HVAC UNIT. PROVIDE GATE VALVE AND UNION.
 3. CONNECT 1-1/4" DRAIN LINE TO AIR WASHER SECTION OF HVAC UNIT. PROVIDE DRAIN VALVE, CONNECTING 1" OVERFLOW PIPE FROM UNIT DOWNSTREAM OF VALVE.
 4. DROP 3" ROOF DRAIN LINE IN WALL CAVITY TO DOWNSPOUT NOZZLE.
 5. DROP 4" ROOF DRAIN LINE IN WALL CAVITY TO DOWNSPOUT NOZZLE.
 6. STUB-OUT 1/2" COLD WATER LINE WITH ISOLATION VALVE FOR CONNECTION TO ICE MAKER ON REFRIGERATOR.
 7. SEE UTILITY SITE PLAN FOR CONTINUATION.
 8. DROP 3/4" GAS THRU ROOF AND CONNECT TO WATER HEATER WITH GAS COCK AND UNION.
 9. CONNECT 1-1/4" AIR WASHER DRAIN LINE TO ROOF DRAIN LEADER.
 10. DROP 3/4" AIR WASHER SUPPLY EXPOSED ON WALL TO 5'-0" ABOVE FINISH FLOOR. PROVIDE BACKFLOW PREVENTER (BFP) AND RISE 3/4" SUPPLY TO RUN ABOVE CEILING. PROVIDE DRAIN VALVE AND GATE VALVE AS DETAILED ON ISOMETRIC.



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WATER HEATER DETAIL
NO SCALE



GAS PIPING PENETRATION DETAIL
NO SCALE

FIXTURE SCHEDULE				
SYMBOL	DESCRIPTION			
P-1	WATER CLOSET: AMERICAN STANDARD "MADERA" NO. 2221.018, O.A.E., FLOOR MOUNTED, SIPHON JET, ELONGATED RIM, 1-1/2" TOP SPUD, WITH SLOAN "ROYAL" 110 FLUSH VALVE WITH VACUUM BREAKER, 1" SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION, COMPLETE WITH WHITE SOLID PLASTIC SEAT WITH OPEN FRONT, EXTENDED BACK, AND CHECK HINGE, LESS COVER.			
	TRAP - ---	VENT - 2"	C.W. - 1"	H.W. - ---
P-1A	WATER CLOSET: AMERICAN STANDARD "CADET" #468.018, OAE, FLOOR-MOUNTED, SIPHON JET, ELONGATED RIM (18" RIM HEIGHT), 1-1/2" TOP SPUD, WITH SLOAN "ROYAL" 110 FLUSH VALVE WITH VACUUM BREAKER, 1" SCREWDRIVER ANGLE STOP AND FLUSH CONNECTION, COMPLETE WITH WHITE SOLID PLASTIC SEAT WITH OPEN FRONT, EXTENDED BACK, AND CHECK HINGE, LESS COVER.			
	TRAP - ---	VENT - 2"	C.W. - 1"	H.W. - ---
P-2	URINAL: AMERICAN STANDARD "WASHBROOK" NO. 6501.010, O.A.E., VITREOUS CHINA, SIPHON JET WITH FLUSHING RIM, 1-1/4" INLET SPUD, 2" THREADED OUTLET CONNECTION, COMPLETE WITH ZURN Z-1222 FLOOR SUPPORTED CARRIER, SLOAN "ROYAL" 180 FLUSH VALVE WITH VACUUM BREAKER, FLUSH CONNECTION AND SCREWDRIVER ANGLE STOPS.			
	TRAP - 2"	VENT - 1-1/2"	C.W. - 1"	H.W. - ---
P-3	LAVATORY: AMERICAN STANDARD "OVAL HORIZON" 3302.015 ENAMELED CAST IRON LAVATORY WITH OVERFLOW, TWO SOAP DEPRESSIONS, MOUNTING KIT, 2248-171 CENTERSET FAUCET WITH LEVER HANDLES, AERATOR, 1-1/2 GPM FLOW RESTRICTOR, CHROME FINISH, AND INTEGRAL PERFORATED GRID DRAIN WITH TAILPIECE, ANGLE SUPPLIES WITH WHEEL HANDLE STOPS AND FLEXIBLE RISERS, CAST BRASS ADJUSTABLE "PP" TRAP WITH CLEANOUT AND WASTE TO WALL. LAVATORY SIZE = 20" X 17" OVAL. INSULATE "PP" TRAP AND HOT WATER SUPPLY WITH MERIT INSULATION "PROTO" P-TRAP COVER, WHITE PVC, 2-1/4" Ø COVERS 1/2" F.G. INSULATION WARP.			
	TRAP - 1-1/4"	VENT - 1-1/2"	C.W. - 1/2"	H.W. - 1/2"
P-4	LAVATORY: AMERICAN STANDARD "REGALYN" 4867.016 ENAMELED CAST IRON LAVATORY WITH RECTANGULAR BASIN, INTEGRAL BACK, FRONT OVERFLOW, CONCEALED WALL HANGER, "HERITAGE" 2248.171 SUPPLY FAUCET WITH AERATOR AND INDEXED CHROME HANDLES AND PERFORATED GRID DRAIN STRAINER, ANGLE SUPPLIES WITH SCREWDRIVER STOPS AND FLEXIBLE RISERS, CAST BRASS ADJUSTABLE "PP" TRAP WITH CLEANOUT AND WASTE TO WALL. PROVIDE FLOOR SUPPORTED PLATE TYPE BEARING HANGER. LAVATORY SIZE = 20" X 18"			
	TRAP - 1-1/4"	VENT - 1-1/2"	C.W. - 1/2"	H.W. - 1/2"
P-5	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" HOSE THREAD ON SPOUT, AND #899-CC MOP HANGER AND #E-77-AA VINYL BUMPER GUARD.			
	TRAP - 3"	VENT - 2"	C.W. - 1/2"	H.W. - 1/2"
P-6	KITCHEN SINK: ELKAY "LUSTERONE" LB-3222 DOUBLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL, SELF-RIMMING, UNDERSEATED WITH FOUR FAUCET HOLES, AMERICAN STANDARD 4150.173 DUAL HANDLE FAUCET, DECK MOUNTED ESCUTCHEON, SWING SPOUT AND AERATOR, DECK MOUNTED SOAP DISPENSER WITH ONE PINT MINIMUM CAPACITY CONTAINER, AND IN-SINK-ERATOR "BADGER V" FOOD DISPOSER WITH 1/2 H.P., 115V-1Ø MOTOR, COMPLETE WITH (2) LK-3 DUO-STRAINERS AND 1-1/2" TAILPIECE, WITH ANGLE SUPPLY WITH WHEEL HAND STOP-SPUD TRAP WITH CLEANOUT AND WASTE TO WALL. SINK SIZE = 33" X 22".			
	TRAP - 1-1/2"	VENT - 1-1/2"	C.W. - 1/2"	H.W. - 1/2"
DF1	DRINKING FOUNTAIN: ELKAY EDP-19-C BARRIER FREE, DUAL TYPE, WALL MOUNTED, WITH HEAVY GAUGE STAINLESS STEEL RECEPTOR, BACKPLATE, AND GRILLE, CHROME PLATED STREAM PROJECTOR WITH HOOD GUARD AND ANTI-SQUIRT FEATURES TO PROVIDE A CONSTANT STREAM HEIGHT UNDER PRESSURES FROM 20 TO 100 PSI, HEAVY GAUGE MOUNTING CAN WITH PRE-DRILLED MOUNTING HOLES, AND SELF-CLOSING PUSH BAR. UNIT SHALL BE SUITABLE FOR HANDICAPPED USE AND SHALL COMPLY WITH PUBLIC LAW 90-480. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT. PROVIDE ELKAY ER-5 REMOTE CHILLER WITH HERMETICALLY SEALED COMPRESSOR, 4.1 FLA, 320 WATTS, 1/5 H.P. PROVIDE FLOOR SUPPORTED PLATE TYPE BEARING HANGER.			
	TRAP - 1-1/4"	VENT - 1-1/2"	C.W. - 1/2"	H.W. - ---
DF-2	DRINKING FOUNTAIN: HANS 4003PBF DECK MOUNTED, STAINLESS STEEL RECEPTOR WITH BUBBLER, ADJUSTABLE STREAM REGULATION, AND INTEGRAL WASTE STRAINER. PROVIDE WITH HANS 5871 POLISHED CHROME-PLATED, VANDAL-RESISTANT PUSHBUTTON VALVE AND HANS HRC25 REMOTE CHILLER WITH HERMETICALLY SEALED COMPRESSOR, 4.1 FLA, 320 WATTS, 1/5 H.P.			
	TRAP - 1-1/4"	VENT - 1-1/2"	C.W. - 1/2"	H.W. - ---
GWH	GAS WATER HEATER: A.O. SMITH MODEL PGC-30, WITH HEAVY STEEL TANK, GLASS LINING, PROTECTIVE MAGNESIUM ROD, INTAKE TUBE, FIBERGLASS INSULATION, 30 GALLON STORAGE CAPACITY, 40.9 GPM RECOVERY AT 90 DEGREE F TEMPERATURE RISE, 40,000 BTUH INPUT, COMPLETE WITH ASME TEMPERATURE AND PRESSURE RELIEF VALVE AND A TEN YEAR WARRANTY.			
EMH	ELECTRIC WATER HEATER: A.O. SMITH MODEL ELS-20 WITH HEAVY STEEL TANK, GLASS LINING, MAGNESIUM ANODE ROD, INTAKE TUBE ON COLD WATER INLET, FULLY AUTOMATIC CONTROLS, 19.9 GALLON CAPACITY, ASME TEMPERATURE AND PRESSURE RELIEF VALVE, WITH 4500 WATT, 208 VOLT, 1-PHASE ELEMENT, WITH A FIVE-YEAR GUARANTEE.			
WCO	WALL CLEANOUT: ZURN AN-1445.1 "SUPREMO" DURA-COATED CAST IRON CLEANOUT TEE WITH CADMIUM-PLATED CAST IRON COUNTERSINK PLUS COMPLETE WITH ROUND, SMOOTH STAINLESS STEEL ACCESS COVER WITH VANDAL-PROOF SCREW.			
FCO	FLOOR CLEANOUT: (INSIDE BUILDING FOR APPLICABLE FINISH) CONCRETE, CERAMIC TILE, OR QUARRY TILE: SMITH FIGURE 4023-Y, VINYL TILE: SMITH FIGURE 4143, CARPET: SMITH FIGURE 4023-Y, WITH CARPET MARKER.			
WHA	WATER HAMMER ARRESTOR: ZURN Z-1700 SERIES, WHERE REQUIRED IN PIPING SYSTEMS, SIZED FOR FIXTURE UNIT LOAD, WITH NESTING TYPE BELLOW CONTAINED WITHIN, CASING AND BELLOW SHALL BE CONSTRUCTED OF STABILIZED 18-8 STAINLESS STEEL. FURNISH WITH 18" X 18" ACCESS DOOR.			
RD	ROOF DRAIN: ZURN Z-100 ERC DURA-COATED CAST IRON BODY WITH EXTENSION, ROOF SUMP RECEIVER AND UNDERDECK CLAMP, COMPLETE WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE POLY DOME, SIZE AS INDICATED ON DRAWINGS.			
DN	DOWNSPOUT NOZZLE: ZURN Z-199, PLAIN BRONZE BODY LESS WALL FLANGE, SIZE AS INDICATED ON PLAN.			
HB	HOSE BIBB: NIBCO, BRONZE BODY WITH LOCKSHIELD, WHEEL HANDLE AND VACUUM BREAKER, SIZE 3/4".			
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.			
	TRAP - 2"	VENT - 1-1/2"	C.W. - ---	H.W. - ---
BFP	BACKFLOW PREVENTER: WILKINS MODEL 675, REDUCED PRESSURE TYPE - 3/4" SIZE.			
CP	CIRCULATING PUMP: IN-LINE TYPE, BRONZE FITTED, 10 GPM, 8 FT. HEAD, 1/12 H.P., 120 VOLT, 1 PHASE. PROVIDE WITH AN IN-LINE AQUASTAT TO TURN ON AT 90 DEGREES F AND SHUT-OFF AT 110 DEGREE F. MODEL SELECTION BASED ON BELL AND GOSSETT SERIES 100, THRUSS, TAGO, OR APPROVED EQUAL.			

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Hoshour & Pearson
 PLUMBING SCHEDULES & DETAILS
 DECEMBER 21, 1989
M-2



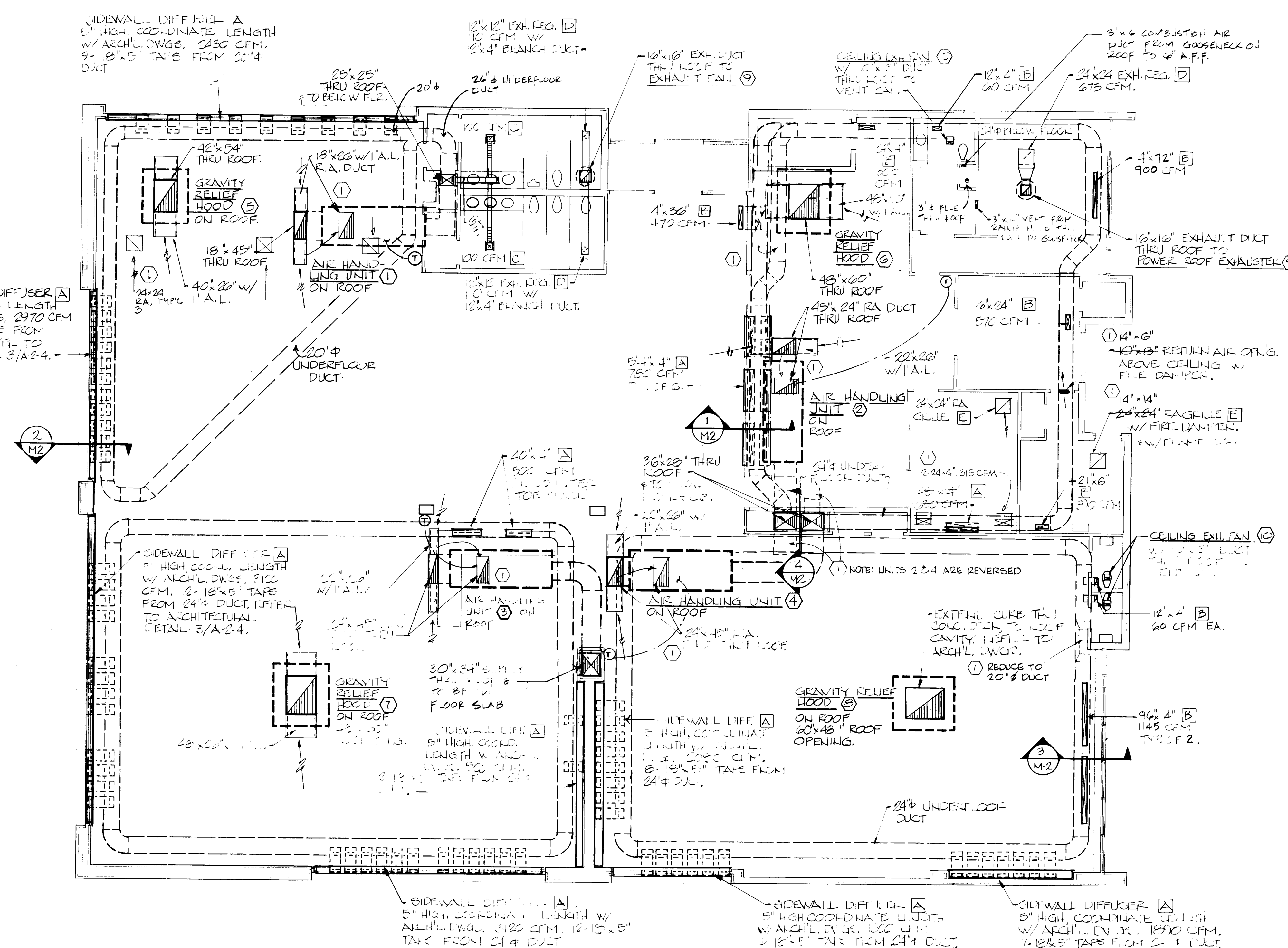
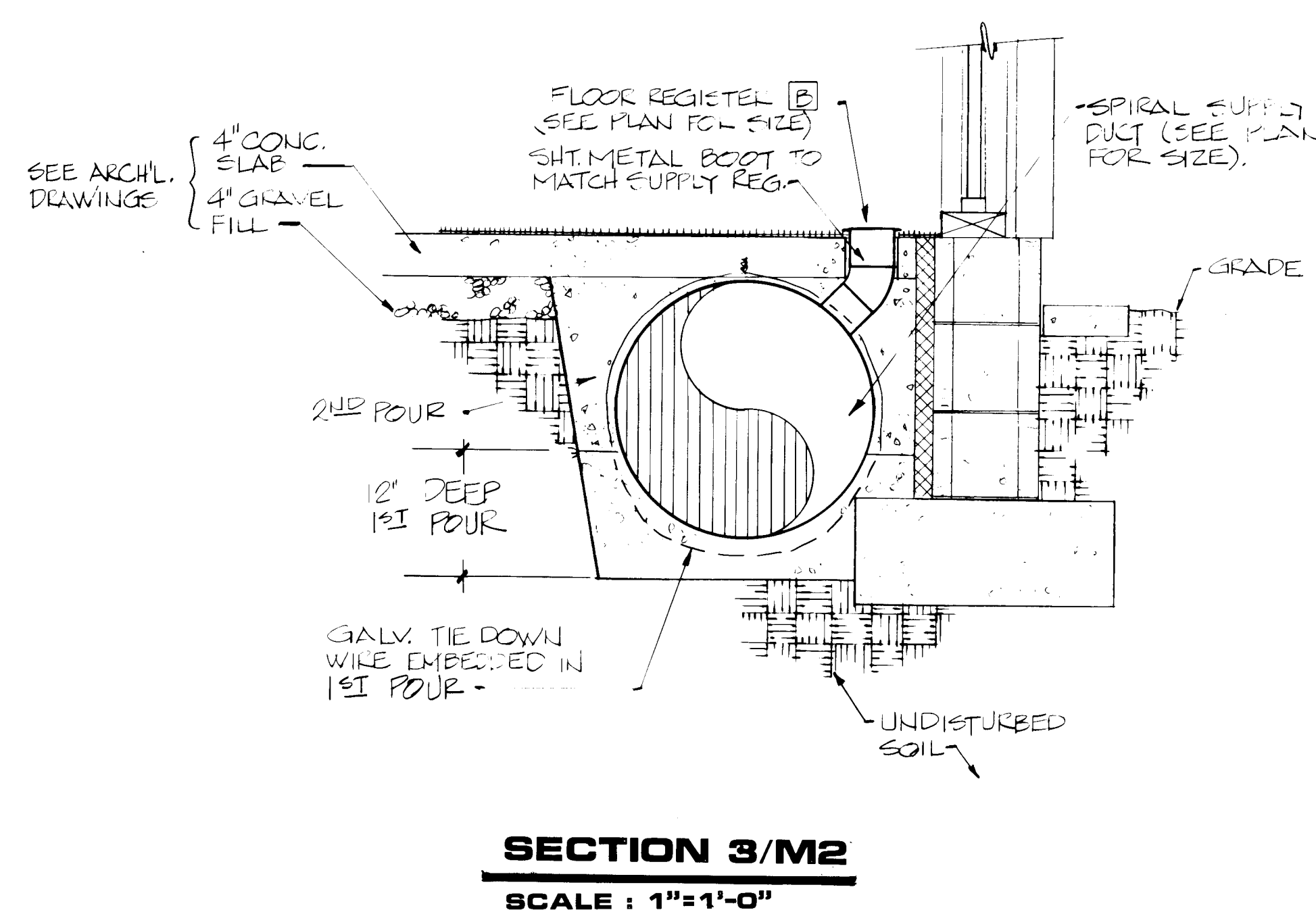
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RENOVATION AND EXPANSION

MECHANICAL FLOOR PLAN

DECEMBER 21, 1989

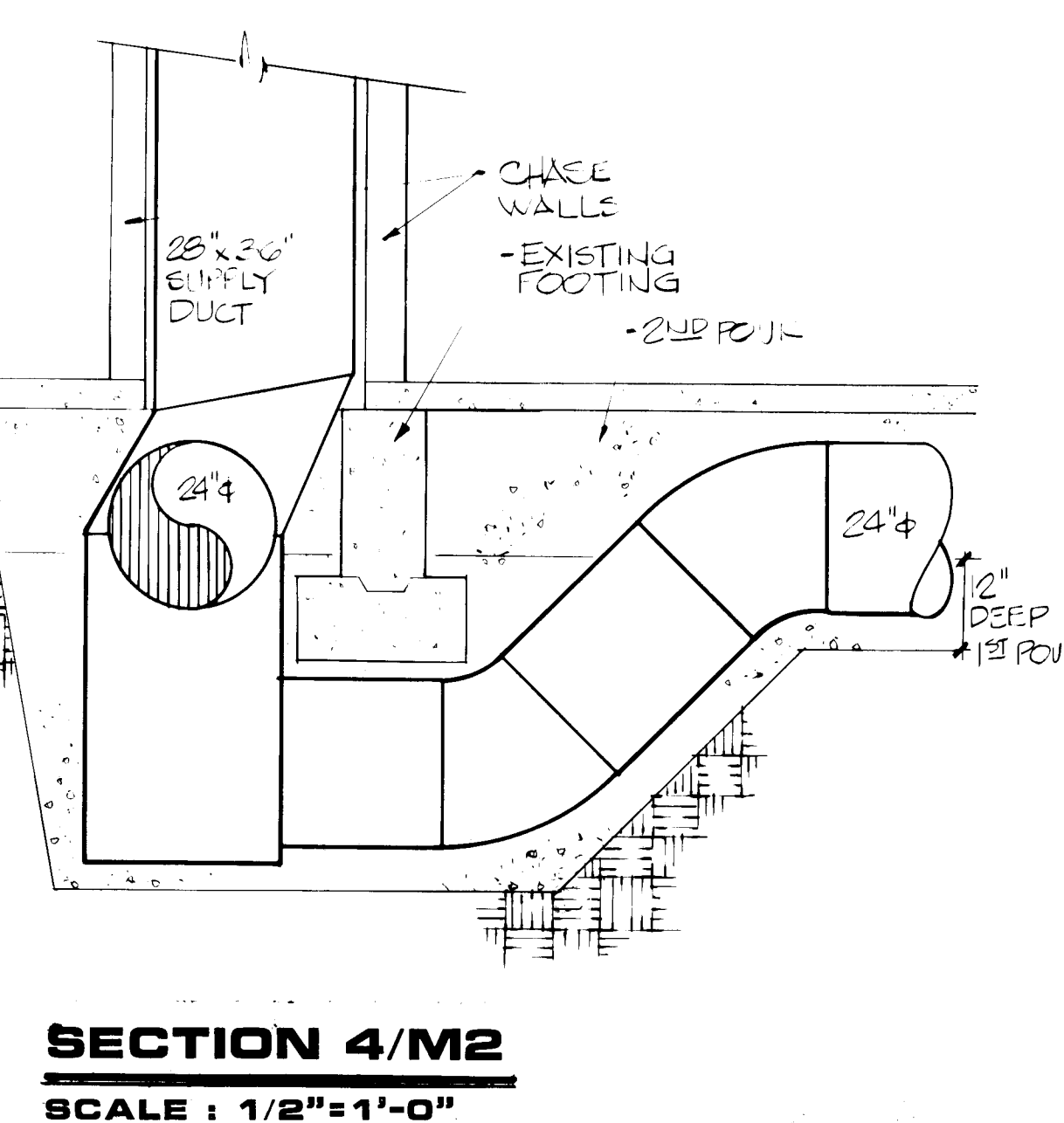
M-3



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

MECHANICAL FLOOR PLAN

- GENERAL NOTES:**
1. PROVIDE 1" ACOUSTIC LINING TO ALL SUPPLY DUCTS FROM ROOF TO BELOW FLOOR SLAB. LEAVE DUCTWORK UNLINED FROM FAN DISCHARGE TO END OF FIRST LEVEL.
 2. UNLESS OTHERWISE NOTED RETURN AIR IS THROUGH LIGHT TROFFER. REFER TO REFLECTED CEILING PLAN FOR LOCATION OF LIGHT TROFFERS. AIR SHALL BE RETURNED AT A RATE OF 80 CFM/ 2' X 2' LIGHT FIXTURE AND 180 CFM/2' X 4' LIGHT FIXTURE.
 3. COORDINATE LENGTH OF LINEAR DIFFUSERS WITH ARCHITECTURAL DRAWINGS. EACH DIFFUSER SHALL HAVE A SELF-ALIGNING DEVICE (WHICH ISH IS REQUIRED) RESULTING IN PERFECT ALIGNMENT WITHOUT BEING VISIBLE.
 4. COORDINATE EXACT THERMOSTAT LOCATIONS WITH ARCHITECTURAL DRAWINGS.
 5. PROVIDE LOCKING COVERS FOR ALL THERMOSTATS.



SECTION 4/M2
SCALE : 1/2"=1'-0"

1 RECORD DRAWING APRIL 4, 1992

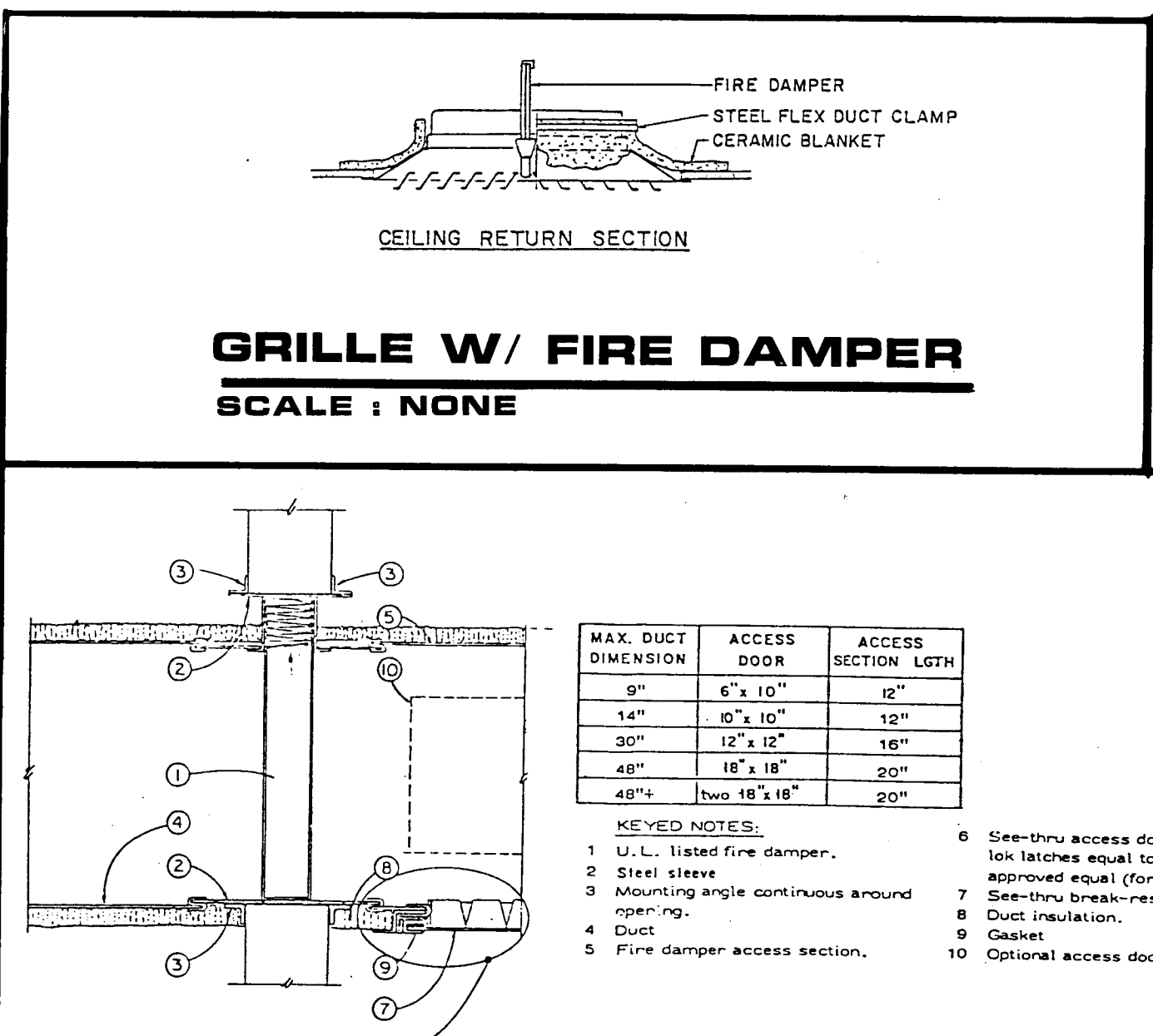
EQUIPMENT SCHEDULE			
(NOTE: CAPACITIES ARE AT 5300 FT. ELEVATION)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
1	CENTRAL ROOF MOUNTED PACKAGE UNITS: ALTON, PACE.	5	RELIEF AIR INTERLOCK WITH HIGH SPEED SYMBOL 1
THRU		6	RELIEF AIR INTERLOCK WITH HIGH SPEED SYMBOL 4
4	(A) UNIT CASING: GALVANIZED STEEL PANELS BOLTED TO A WELDED STEEL ANGLE IRON FRAMEWORK; ACCESS DOORS TO ALL INTERIOR COMPONENTS, FRAME MEMBERS, SUMPS, AND INTERIOR WET SURFACES SHALL BE COATED WITH EPOXY. SHALL BE PRIMED; FAN AND HEAT EXCHANGER ENCLOSURES SHALL BE LINED WITH 1" THICK NEOPRENE COATED FIBERGLASS INSULATION; BOTTOM OF UNIT SHALL BE COATED WITH AN ASPHALT BASE UNDERCOATING; INTERNAL WIRING SHALL BE TERMINATED IN A WEATHERTIGHT JUNCTION BOX LOCATED OUTSIDE THE UNIT; UNIT SHALL BE SHIPPED PREWIRED, FACTORY ASSEMBLED, AND COMPLETS WITH CONTROL TRANSFORMERS, FREEZE STAT, TWO (2) SMOKE DETECTORS, AND HOISTING LINGS FOR EASY OF INSTALLATION. SMOKE DETECTORS SHALL BE FURNISHED AND INSTALLED IN SUPPLY SIDE AND RETURN AIR SIDE OF UNIT AND PREWIRED IN FACTORY TO SHUTDOWN UNIT UPON SENSING SMOKE. FURNISH WITH STARTERS AS REQUIRED. DISCONNECTS SHALL BE FURNISHED UNDER DIVISION 16. REFER TO ROOF PLAN FOR SERVICE WALK LOCATION AND PROVIDE ALL ACCESS REQUIREMENTS SAME SIDE.	9	POWER ROOF VENTILATOR: V-BELT DRIVEN CENTRIFUGAL BLOWER TYPE. CURB BASE MOUNTED, MOTORIZED DAMPER, BACKWARD INCLINED CENTRIFUGAL WHEEL, SPUN ALUMINUM INLET SHROUD, BIRDSCREEN, AND CAPABLE OF EXHAUSTING THE CAPACITIES SCHEDULED BELOW. FURNISH SOUND ATTENUATING CURB. JENN AIR, ACME, CARNES, GREENHECK, PENN, OR APPROVED EQUAL. QUANTITY AS SHOWN ON DRAWINGS.
	(B) DIRECT AIR WASHER SECTION: THE EVAPORATIVE COOLING SECTION SHALL BE FURNISHED COMPLETE WITH EVAPORATIVE MEDIA, RECIRCULATING PUMP WITH SUCTION STRAINER, HEAVY GAUGE SUMP, DRAIN, OVERFLOW, AUTOMATIC FILL AND LEVEL CONTROL, AND ALL REQUIRED INTERNAL PIPING. EVAPORATIVE MEDIA SHALL BE 12" DEEP, OF A CROSSPLATED, SELF-CLEANING DESIGN. THE MEDIA SHALL BE CONSTRUCTED OF A CELLULOSE PAPER IMPREGNATED WITH INSOLUBLE ANTI-ROT SALTS AND RIGIDIFYING SATURANTS. A DISTRIBUTION HEADER OF SCHEDULE 40 PVC PIPE WITH REMOVABLE END CAPS AND HOLES (1/8" MINIMUM) SHALL EXTEND THE ENTIRE LENGTH OF THE FILL. AUTOMATIC FILL AND LEVEL CONTROL SHALL CONSIST OF BRASS LEVER OPERATED VALVE WITH COPPER FLOAT, DRAIN CONNECTION AND WATER MAKE-UP. ALL INTERNAL PIPING SHALL BE COPPER. RECIRCULATING PUMP SHALL BE OF THE SUMMERLINE TYPE WITH EPOXY COATED CAST IRON HOUSING, POLYPROPYLENE BASE, POLYCARBONATE COVER, LIFETIME OF SUPPLY, NON-CLOG PUMPING HEAD AND IMPELLER, SCREENED INLET, AND OIL IMMERSED MOTOR WITH SLEEVE BEARINGS AND THERMAL OVERLOAD PROTECTION.	10	CEILING EXHAUST: DIRECT DRIVEN CENTRIFUGAL BLOWER TYPE, BACKWARD INCLINED CENTRIFUGAL WHEEL, SPUN ALUMINUM INLET SHROUD, BIRDSCREEN, AND CAPABLE OF EXHAUSTING THE CAPACITIES SCHEDULED BELOW. FURNISH SOUND ATTENUATING CURB. JENN AIR, ACME, CARNES, GREENHECK, PENN, OR APPROVED EQUAL. QUANTITY AS SHOWN ON DRAWINGS.
	(C) SYSTEM SUPPLY FAN: FANS SHALL BE 2 SPEED, 2 WINDING, DOUBLE WIDTH, DOUBLE INLET, CENTRIFUGAL TYPE WITH FORWARD CURVED FAN BLADES. FAN AND MOTOR ASSEMBLIES SHALL BE SLED MOUNTED WITH THE ENTIRE ASSEMBLY MOUNTED ON VIBRATION ISOLATORS WITH THE UNIT. THE FAN DISCHARGE SHALL BE FURNISHED WITH A FLEXIBLE CONNECTION BETWEEN THE FAN DISCHARGE AND OUTLET CONNECTION OF THE UNIT. FAN AND MOTOR COMPONENTS SHALL BE HOUSED IN A COMMON ENCLOSURE AS DESCRIBED UNDER "UNIT CASING".		
	(D) ACCESSORIES:		
	1. FILTER SECTION - FILTER SECTIONS SHALL BE DESIGNED TO RECEIVE TWO INCH (2") DISPOSABLE MEDIUM EFFICIENCY EXTENDED SURFACE FILTERS. ACCESS TO FILTERS SHALL BE FROM SIDE OF THE FILTER RACK. FILTER ENCLOSURE TO MATCH UNIT CASING.		
	2. MIXING BOX - DAMPERS SHALL BE LOW LEAKAGE TYPE. MIXING BOX ENCLOSURE SHALL BE FINISHED TO MATCH UNIT CASING.		
	3. INTAKE AND LOUVERS - WEATHERPROOF INTAKE LOUVERS SHALL BE GALVANIZED STEEL FORMED IN A THREE-BREAK LOW RESISTANCE DESIGN, COMPLETE WITH BIRDSCREEN AND FINISHED TO MATCH UNIT CASING.		
	4. ROOF CURB - ROOF CURBS SHALL BE OF A SELF-FLASHING DESIGN AND CONSTRUCTED OF CARBON STEEL. CURBS SHALL BE SHIPPED IN ONE PIECE AND FURNISHED COMPLETE WITH NAILER STRIPS, GASKETING MATERIAL AND DRAIN-DOWN LUGS WITH BOLTS TO ENSURE A WATER TIGHT BOND BETWEEN UNIT AND CURB.		
	5. TEMPERATURE CONTROLS - CONTROL IS BY ELECTRIC ROOM THERMOSTAT AND REMOTE FAN SWITCH FURNISHED WITH EQUIPMENT. UNIT MOUNTED CONTROLS ARE ELECTRIC, ALTON 45MU, OR APPROVED EQUAL. THERMOSTATS AND REMOTE FAN SWITCH SHALL BE MOUNTED IN ROOM ON WALL UNDER DIVISION 15, EXTERNAL WIRING UNDER DIVISION 16.		
	GENERAL:		
	SYMBOL	OUTSIDE DIMENSIONS	TOTAL OPERATING WEIGHT, LBS.
	HEIGHT*	WIDTH	LENGTH*
1	55"	60"	160"
2	67"	64"	163"
3	67"	64"	163"
4	67"	64"	163"
			2500# (6) 16 X 25 X 2
			2500# (6) 16 X 25 X 2
			2200# (6) 16 X 25 X 2
			2200# (6) 16 X 25 X 2
			* LENGTH INCLUDES MAKE-UP/RETURN AIR PLENUM AND DUCT FURNACE.
			** HEIGHT DOES NOT INCLUDE ROOF CURB.
			HEATING: DUCT FURNACE, SUITABLE FOR OUTDOOR INSTALLATION, CURB.
	SYMBOL	INPUT CAPACITY BTU	FUEL ACCESSORIES
1	200,000	NATURAL	STAINLESS STEEL HX, AGA LISTED, 100% GAS SHUT-OFF, STAND BURNER, SPARK IGNITION, PRESSURE REGULATOR - ALL UNITS.
2	250,000	ALL	
3	250,000	UNITS	
4	250,000	UNITS	
			WASHER SECTION:
	SYMBOL	DESIGN CFM	SATURATION EFFICIENCY, %
1	5600/3735	90	96
2	8000/5300	90	96
3	8000/5300	90	96
4	8000/5300	90	96
			(SYSTEM) FACE AREA SQ. FT.
			12
			16
			16
			16
			SUPPLY FAN:
	SYMBOL	CFM	ESP. IN.*
1	5600/3735	1.0"	5
2	8000/5300	1.0"	5
3	8000/5300	1.0"	5
4	8000/5300	1.0"	5
			MOTOR HP
			1750
			1750
			1750
			1750
			208V-3Ø
			208V-3Ø
			208V-3Ø
			208V-3Ø
			* INCLUDES FILTER LOSS, SUPPLY DUCT LOSS, GRILLES, DIFFUSERS, AND RELIEF/RETURN DAMPERS.
			GRAVITY AIR HOODS: EXTRUDED ALUMINUM (14 GA.) LOW SILHOUETTE, HINGED HOOD, BIRDSCREEN, FURNISH WITH SOUND ATTENUATING ROOF CURB AND MOTORIZED DAMPER. SELECTIONS BASED ON JENN-AIR SERIES RVA-100, ACME, CARNES, GREENHECK, PENN, OR APPROVED EQUAL.
	SYMBOL	CFM	400 FPM
		THROAT VEL.	MAX. A.P.D.
			IN W.G.
			DIMENSIONS, INCHES
			WIDTH X LENGTH X HEIGHT
5	5600	.024"	73" X 84" X 30.5"
6	8000	.024"	82" X 96" X 32.5"
7	8000	.024"	82" X 96" X 32.5"
8	8000	.024"	82" X 96" X 32.5"

GRILLE AND DIFFUSER SCHEDULE									
GENERAL NOTES: GRILLES, REGISTERS AND DIFFUSERS SHALL BE FABRICATED OF STEEL OR ALUMINUM. STEEL GRILLES, DIFFUSERS AND REGISTERS SHALL RECEIVE A ZINC PHOSPHATE PRIME COAT, FINISH AS SPECIFIED. THE TYPE OF GRILLE, DIFFUSER, OR REGISTER IS SHOWN BY SYMBOL NUMBER ON THE DRAWINGS. ALL SYMBOL NUMBERS SHALL BE CROSS CHECKED AGAINST THE ARCHITECTURAL ROOM FINISH SCHEDULE WHICH SHALL GOVERN IN THE EVENT OF CONFLICT; DISCREPANCIES SHALL BE CLEARLY NOTED ON THE SUBMITTALS. EQUIPMENT MANUFACTURED BY CARNES, KRUEGER, BARBER COLMAN AND TITUS IS ACCEPTABLE.									
A	SEAWALL SUPPLY REG.: EXTRUDED ALUMINUM CONSTRUCTION, 3/16" X 3/4" GRILLE BASES ON 1/2" CENTERS, OPPOSED BLADE DAMPER OPERATED THROUGH GRILLE FACE, DERRIS SCREEN, RECESS MOUNT. SIZED AS SHOWN ON DRAWINGS. KRUEGER 1500, TITUS CMT-15, BARBER COLMAN TB, OR APPROVED EQUAL.								
B	FLOOR SUPPLY REGISTER: EXTRUDED ALUMINUM CONSTRUCTION 3/16" X 3/4" GRILLE BASES ON 7/16" CENTERS, OPPOSED BLADE DAMPER OPERATED THROUGH GRILLE FACE, PENCIL PROOF, OR APPROVED EQUAL.								
C	CEILING SUPPLY DIFFUSER: FOR FIXED CEILING, SQUARE NECK, FIXED LOUVERS, REMOVABLE CORE, VOLUME REGULATOR, FINISH AS SPEC'D BY ARCH., SIZED AS SCHEDULED BELOW. KRUEGER SH-4-22, CARNES SKALA TITUS, BARBER COLMAN, OR APPROVED EQUAL.								
CFM RANGE	FACE DIM., IN.	NECK DIM., IN.	NECK VEL. FPM	VP IN.-W.G.	TP IN.-W.G.	MAX. NC			
91-130	12 X 12	9 X 9	460-660	.01-.03	.03-.06	24			
D	CEILING EXHAUST REGISTER: PERFORATED HINGED FACE ASSEMBLED FOR FIXED CEILING, OPPOSED BLADE DAMPER, FINISH AS SPEC'D BY ARCHT. KRUEGER 1190 WITH FRAME 22, CARNES SP4 WITH FRAME 2, OR APPROVED EQUAL.								
CFM RANGE	NOMINAL SIZE, IN.	DUCT SIZE, IN.	NECK VEL. FPM	NEG. S.P. IN.-W.G.	MAX. NC				
30-285	12 X 12	10 X 10	20-410	.01-.08	25				
286-600	12 X 24	10 X 22	190-390	.01-.08	25				
E	CEILING RETURN AIR GRILLE: SAME AS EXCEPT WITHOUT OPPOSED BLADE DAMPER, SIZED AS SHOWN ON THE DRAWINGS. KRUEGER 1196-A WITH FRAME 30, CARNES SP4 WITH FRAME 6, OR APPROVED EQUAL. FINISH AS SPECIFIED BY ARCHT/ECT.								

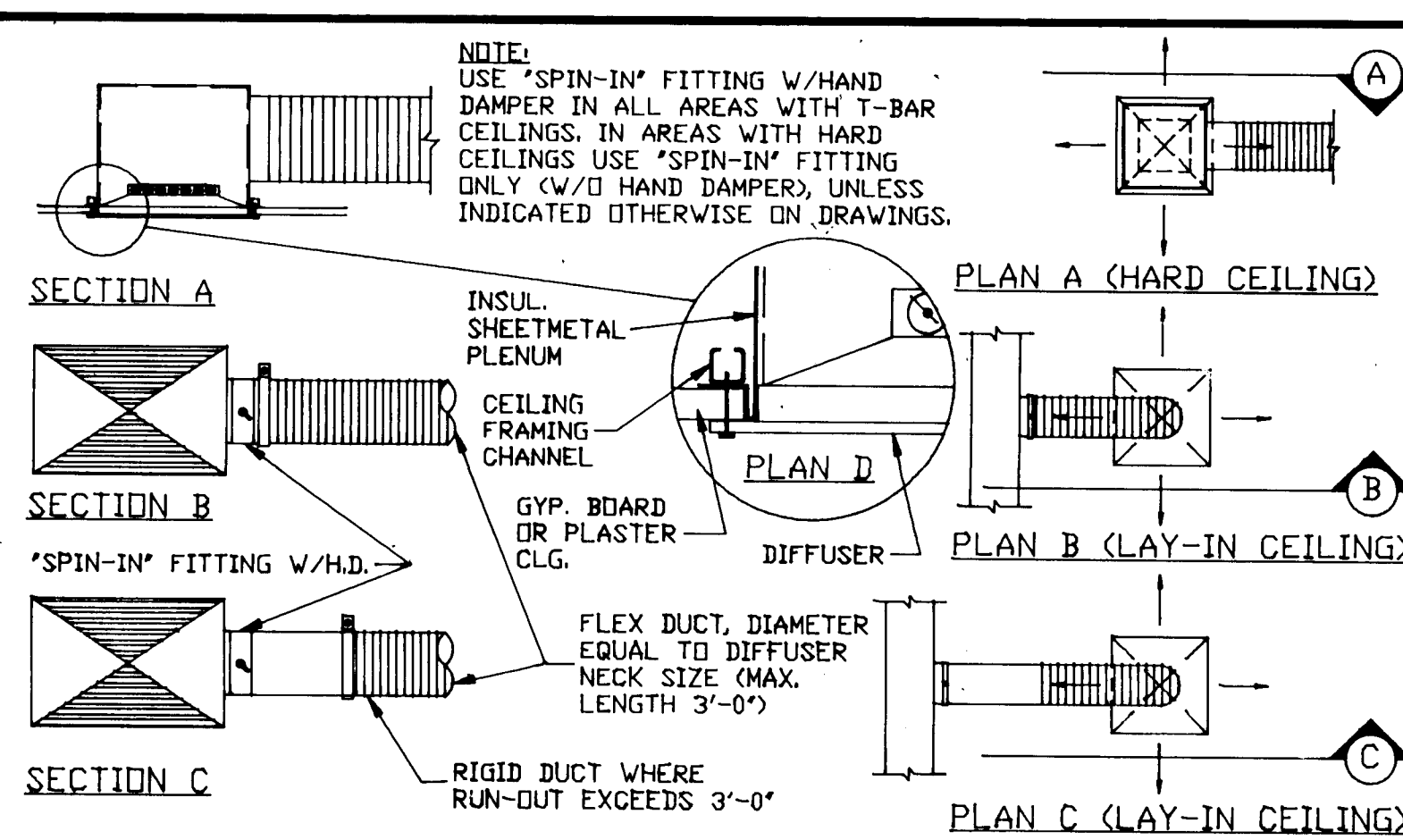
GENERAL NOTES:									
1. ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE NET INSIDE DIMENSIONS.									
2. EXACT LOCATION OF ALL GRILLES, DIFFUSERS, AND REGISTERS SHALL BE COORDINATED WITH LIGHTING AND REFLECTED CEILING PLANS.									
3. PROVIDE TURNING VANES IN ALL SQUARE (90 DEGREE) ELBOWS.									
4. ALL ROUND BURNOUTS AND DROPS TO DIFFUSERS SHALL BE THE SAME NOMINAL SIZE AS THE SCHEDULED DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED ON DRAWINGS.									
5. RETURN AIR SHALL BE THROUGH LIGHT TROFFER SLOTS AS INDICATED ON DRAWINGS.									
6. ALL JOINTS AND SEAMS ON LOW VELOCITY SUPPLY, RETURN AND EXHAUST DUCTS, ROUND OR RECTANGULAR, MUST BE SEALED AIR TIGHT USING LOW VELOCITY TAPE, HARDCAST D-A-2.									
7. PROVIDE ALL NECESSARY FITTINGS FOR RISES AND OFFSETS IN DUCTWORK AND PIPING FOR PROPER INSTALLATION.									

SEQUENCE OF CONTROL:									
* HEATING: FAN SWITCH ON LOW SPEED, FURNACE AND FAN OPERATION CONTROLLED BY THERMOSTAT. DAMPERS, RELIEF POSITIONED AS SCHEDULED.									
* COOLING: FAN SWITCH ON HIGH SPEED, FAN RUNS CONTINUOUSLY. EVAPORATIVE PUMP CONTROLLED BY ON-OFF SWITCH. DAMPERS, RELIEF POSITIONED AS SCHEDULED.									

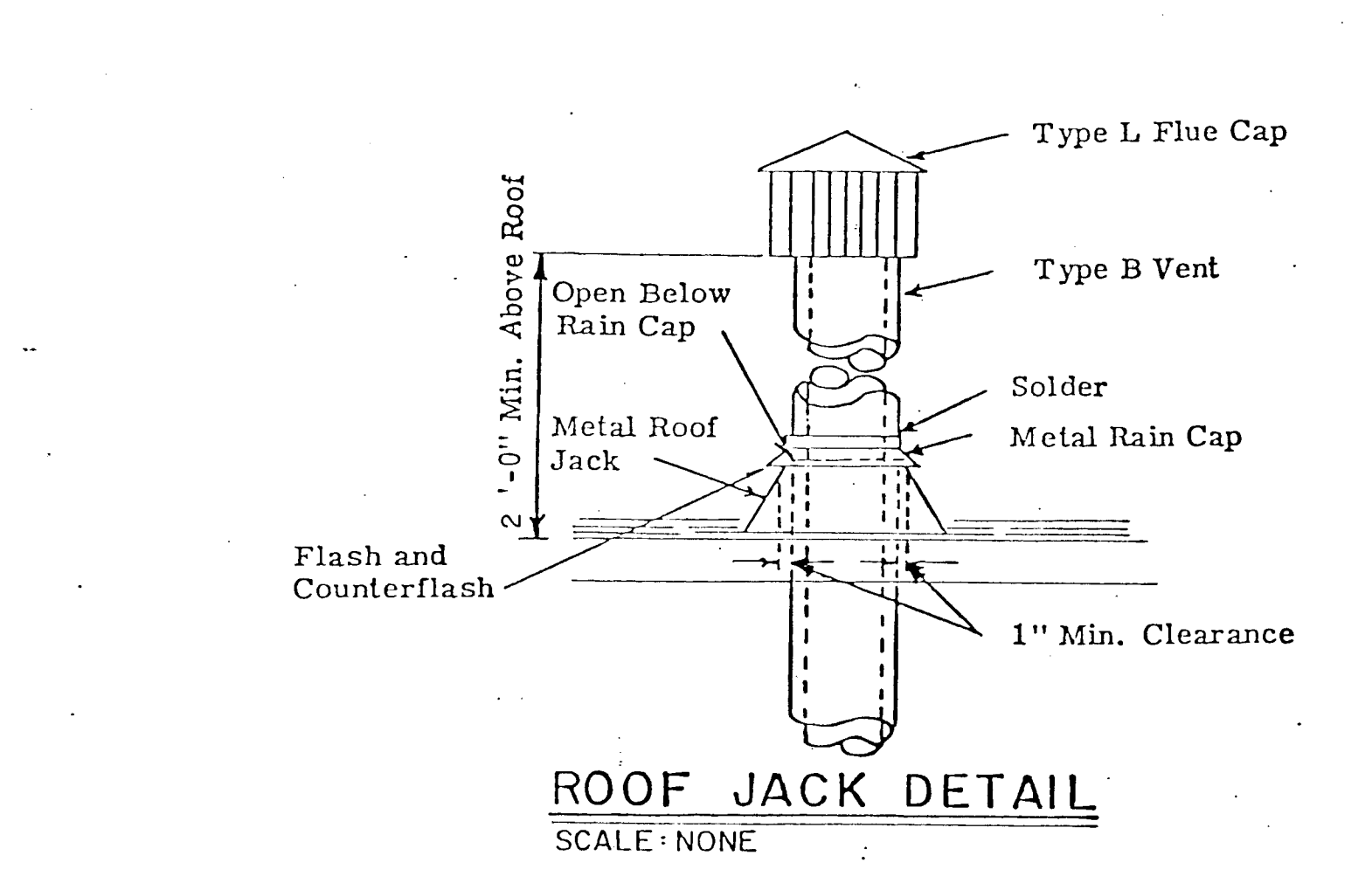
MOTORIZED DAMPER SCHEDULE									
AH UNIT	RELIEF HOOD	OA DAMPER	RA DAMPER	RELIEF DAMPER	OA DAMPER	RA DAMPER	RELIEF DAMPER	OA DAMPER	RA DAMPER
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
1	5	5600	375	0	3360	5600	375		
2	2	8000	530	0	4770	8000	530		
3	7	8000	530	0	4770	8000	530		
4	6	8000	530	0	4770	8000	530		



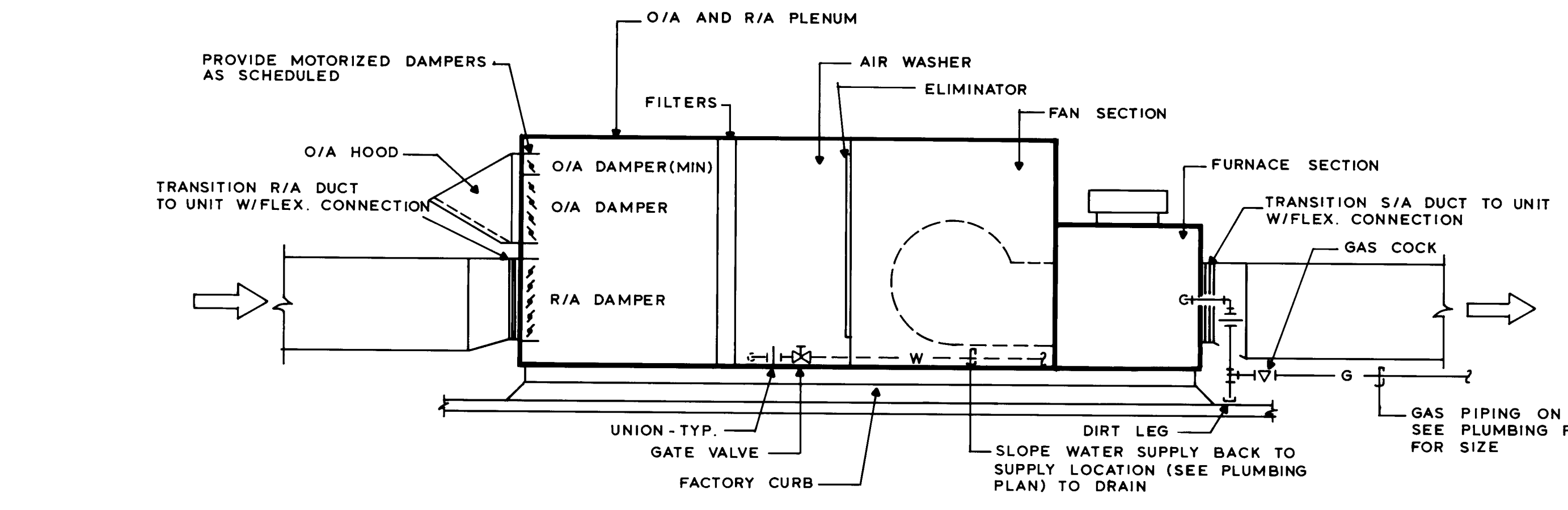
GRILLE W/ FIRE DAMPER
SCALE: NONE



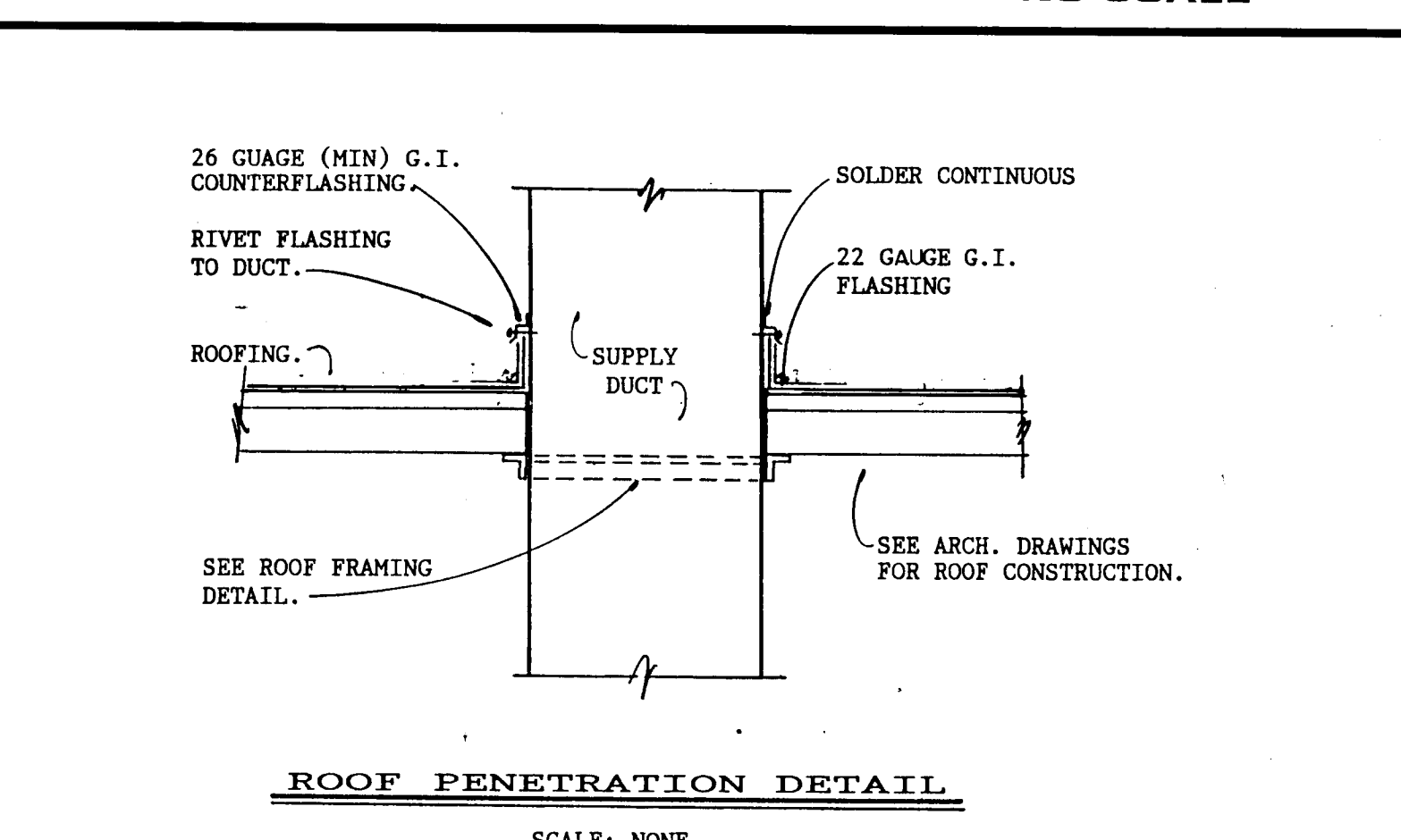
LOW VELOCITY FIRE DAMPER DETAIL
SCALE: NONE



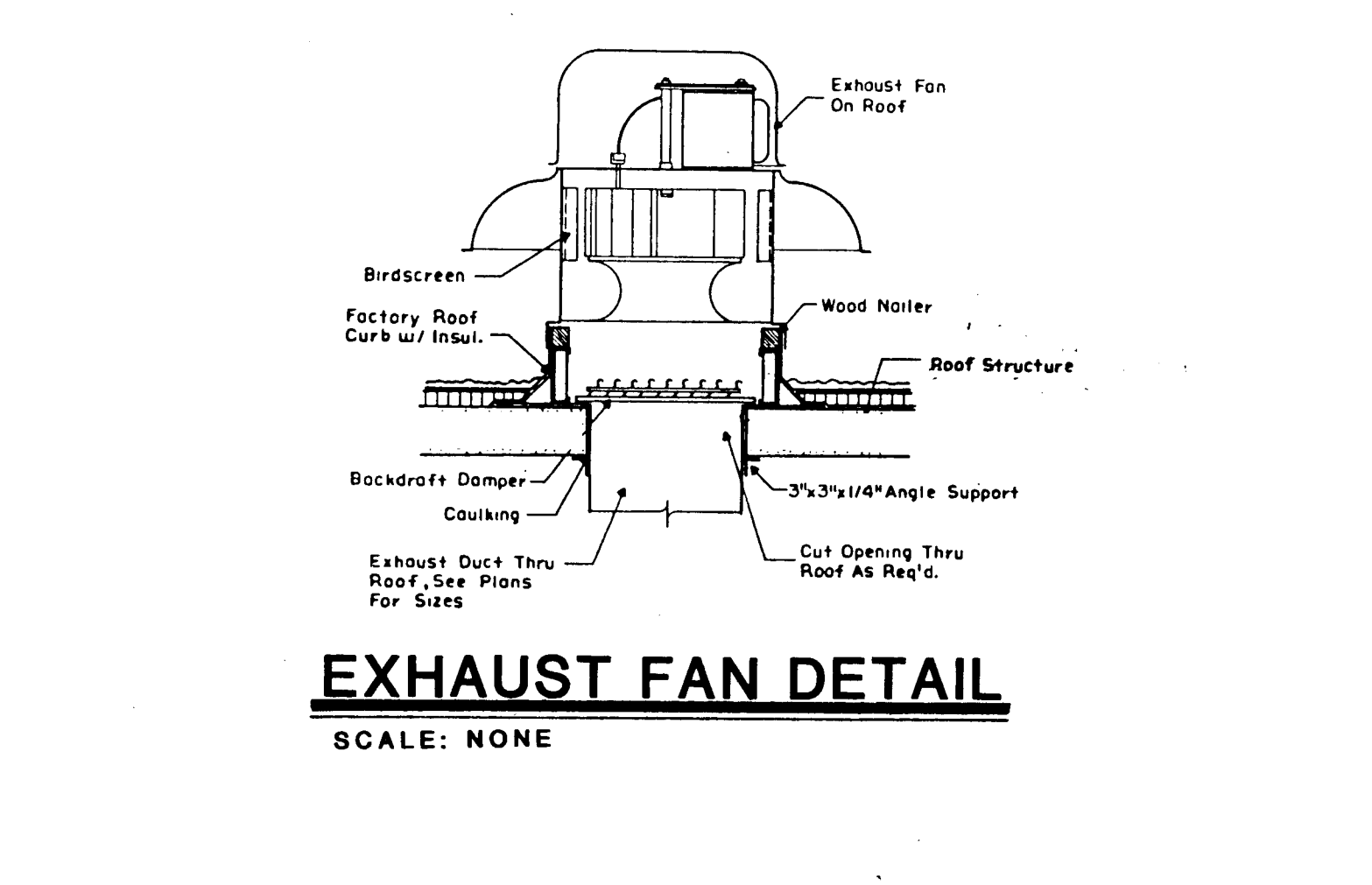
DIFFUSER CONNECTION DETAIL
SCALE: NONE



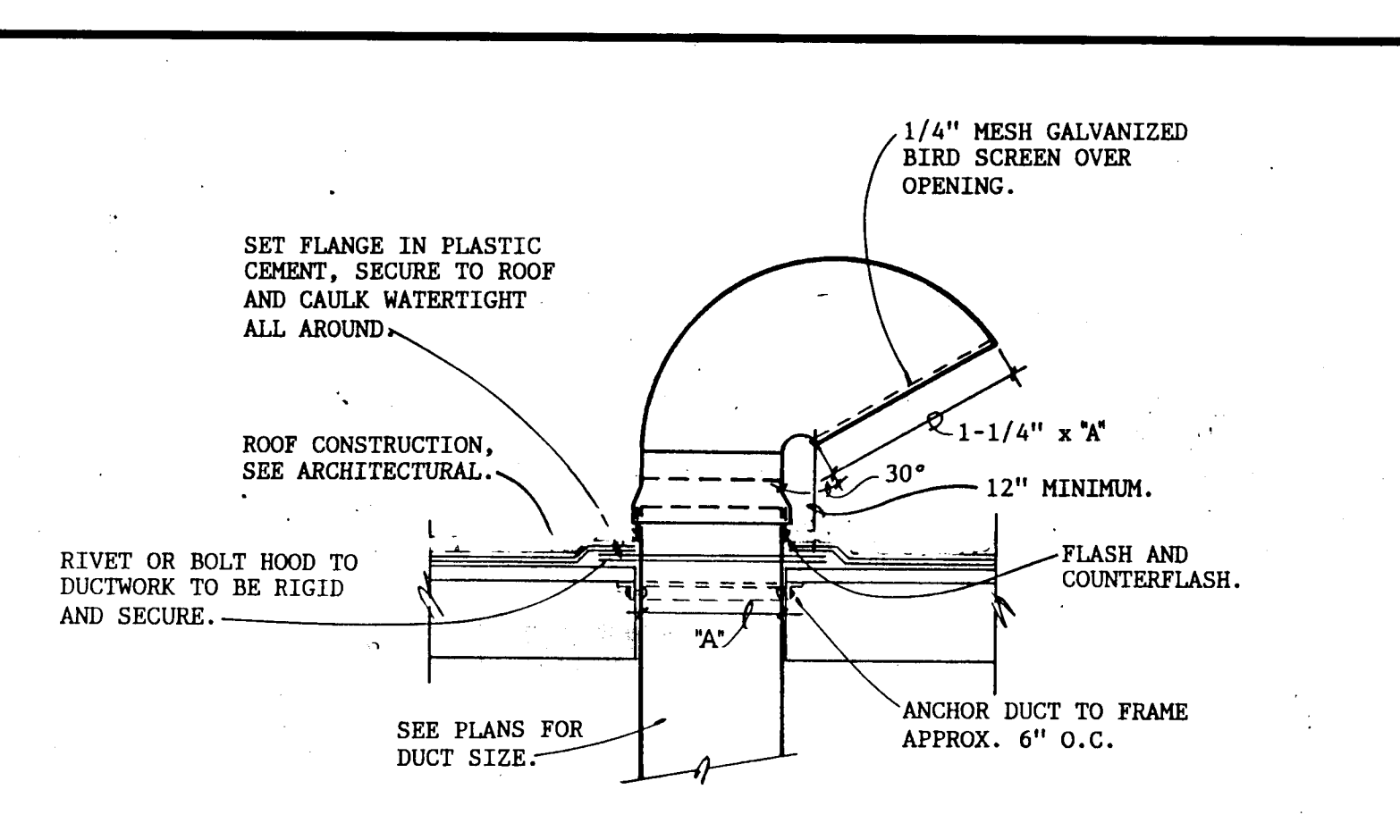
ROOFTOP UNIT DETAIL
NO SCALE



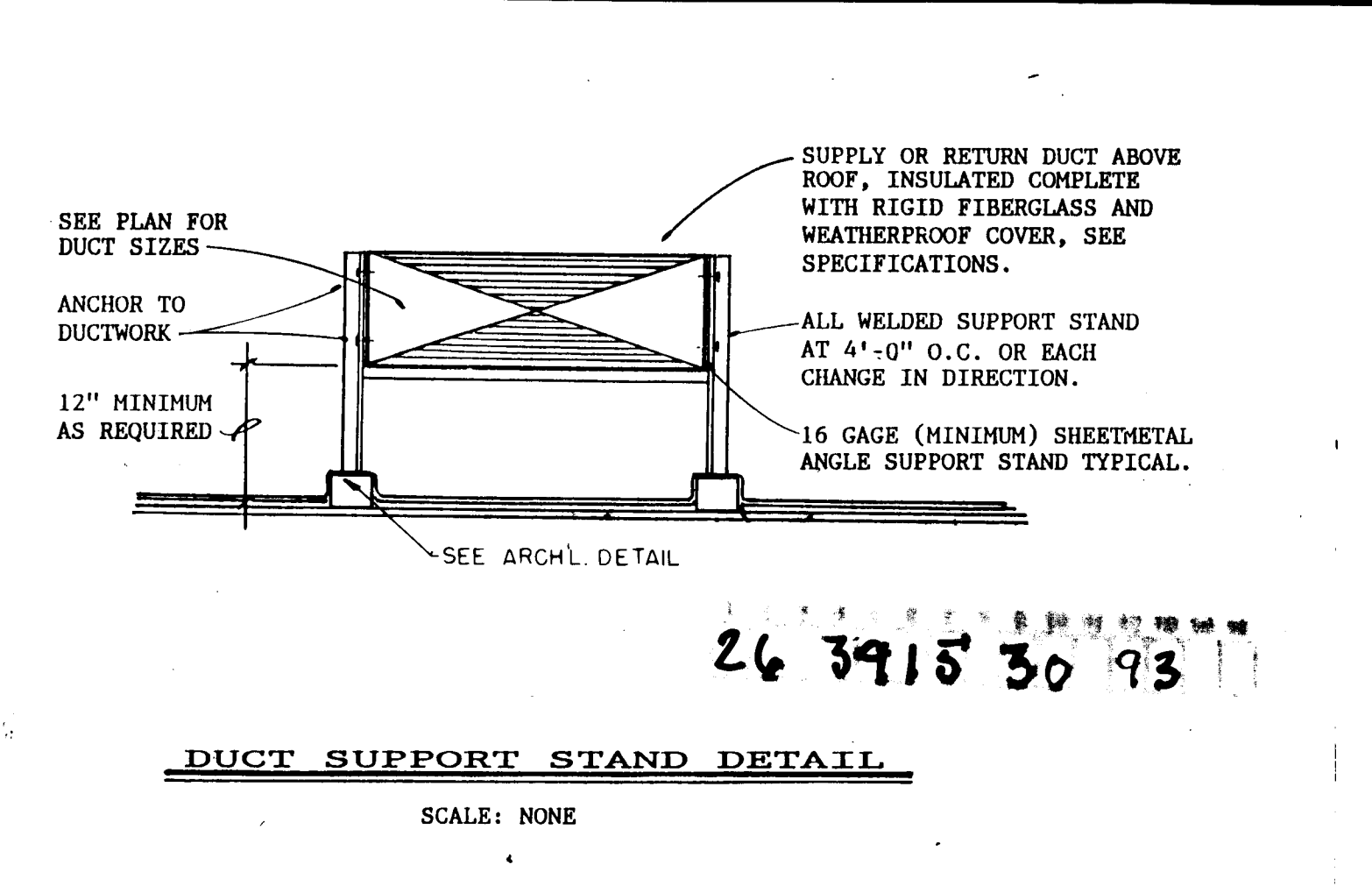
ROOF PENETRATION DETAIL
SCALE: NONE



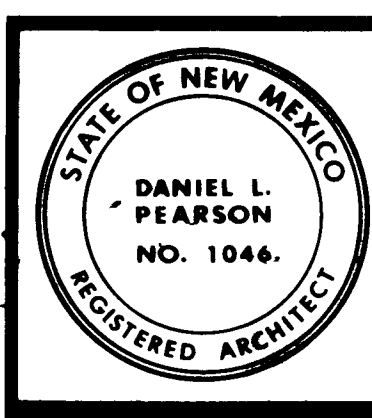
EXHAUST FAN DETAIL
SCALE: NONE



GOOSENECK DETAIL
SCALE: NONE



DUCT SUPPORT STAND DETAIL
SCALE: NONE



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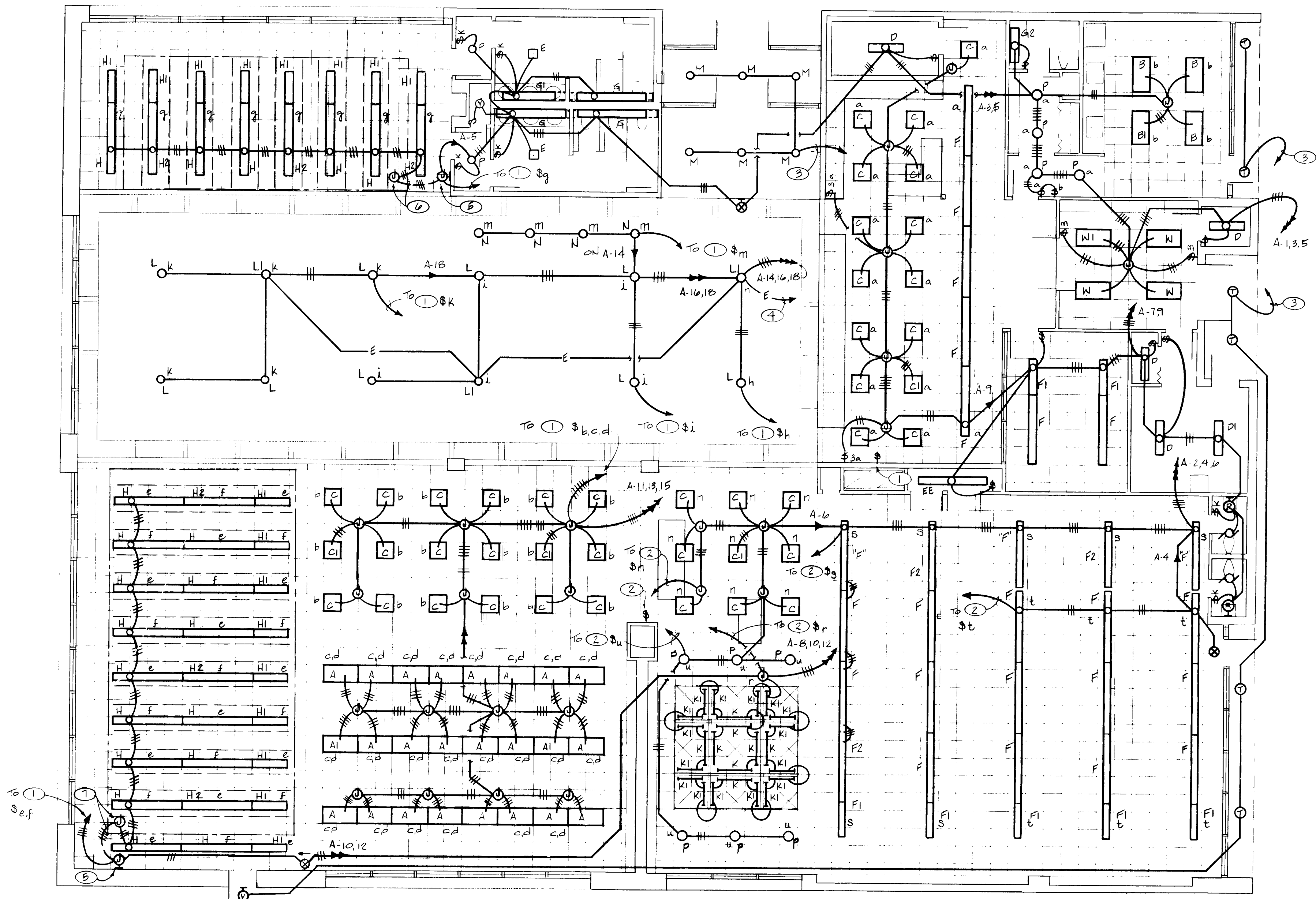
MECHANICAL SCHEDULES & DETAILS

DECEMBER 20, 1989

M-4

LIGHTING FIXTURE SCHEDULE				
TYPE	DESCRIPTION	LAMPS	MOUNTING	REMARKS
A	LITHONIA #2PM3A340-18-120-ES	3-F40LM/SS	RECESSED-GRID	BALLAST: ADVANCE MARK III ENERGY SAVER
B	LITHONIA #2SPGA240A12.125-120-ES	2-F40LM/SS	RECESSED-GRID	SAME AS TYPE "A"
C	LITHONIA #2PM3A2040-9-120-ES	2-FB40/LM/6/SS	RECESSED-GRID	SAME AS TYPE "A"
D	LITHONIA #C240-120ES-W09	2-F40LM/SS	SURFACE-CEILING	SAME AS TYPE "A"
E	SURE-LITES #P4C-4/FBK-1	FURN. W/ UNIT	RECESSED-CEILING	
F	PRUDENTIAL #P64-M2-08-DCA-BW	4-F032/41K	PENDANT-BOTTOM AT 8'-0"	OUTRON BALLAST
F1	PRUDENTIAL #P64-M2-04-DCA-BW	2-F032/41K	PENDANT-BOTTOM AT 8'-0"	OUTRON BALLAST
G	LITE CONTROL #85N-48RS-F/BW-DP-120	4-F40LM/SS	COVE UNIT WITH "SE" ON ENDS	SAME AS TYPE "A"
G1	LITE CONTROL #85N-46RS-F/BW-DP-120	4-F30T12/CW/RS/SS	COVE UNIT WITH "SE" ON ENDS	BALLAST: CLASS "P" HFF, 2 LAMP
H	LITE CONTROL #SD428RS-120	2-F40LM/SS	MOUNT TO SUPPORT SYSTEM PER ARCH.	SAME AS TYPE "A"
H1	LITE CONTROL #SD414RS-120	1-F40LM/SS	MOUNT TO SUPPORT SYSTEM PER ARCH.	SAME AS TYPE "A"
K	LITHONIA #C240-120ES	2-F40LM/SS	MOUNT TO SIDE OF CEILING CAVITY	SAME AS TYPE "A"
K1	LITHONIA #C230-120	2-F30T12/CW/RS/SS	MOUNT TO SIDE OF CEILING CAVITY	BALLAST: CLASS "P" HFF, 2 LAMP
L	KURT VERSEN #R7222-250120MHS-IN-F	1-250W MH 8'-28	RECESSED-CEILING	PAINT BAFFLE WHITE TO MATCH EXISTING
M	PRESOLITE #H8K100-HL87	1-100W R17 MH	RECESSED-CEILING	
N	ELLIPTIPAR #M04-0175-7-02-A-00	1-175W ED-17 MH	PENDANT AT 11'-0" A.F.F.	AIM TO ILLUMINATE WALL BELOW 10'-0" AFF WHITE PENDANT ASSEMB.
P	PRESOLITE #CFR918-B462	2-18W QUAD	RECESSED-CEILING	
R	PRESOLITE #WB-19	2-60W IP	SURFACE-WALL, 6" ABOVE MIRROR	
T	PRESOLITE #8BX50-RO78S	1-50W R-17 HPS	RECESSED-CEILING	DAMP LOCATION LABEL
V	DEVINE #AMP160-50HPS-120V	1-50W HPS	SURFACE-WALL-UP 11'-6" AFF TO CENTER LINE	
W	LITHONIA #2SPGA340A12.125-120-ES	3-F40LM/SS	RECESSED-GRID	SAME AS TYPE "A"
W1	LITHONIA #2SPGA340A12.125-120-ES-EL9	3-F40LM/SS	RECESSED-GRID	SAME AS TYPE "A"
X	LITHONIA #ELESWIG120ELNF	FURN. W/ UNIT	CEILING OR WALL MOUNT ABOVE DOOR	ELECTROLUMINESCENT EXIT SIGN
A1	LITHONIA #2PM3A340-18-120-ES-EL9	3-F40LM/SS	RECESSED-GRID	SAME AS TYPE "A"
D1	LITHONIA #2SPGA240A12.125-120-ES-EL9	2 - F40LM/SS	RECESSED-GRID	SAME AS TYPE "A"
C1	LITHONIA #2PM3A2040-9-120-ES-EL9	2-FB40/LM/6/SS	RECESSED-GRID	SAME AS TYPE "A"
D1	LITHONIA #C240-120ES-W09-EL9	2-F40LM/SS	SURFACE-CEILING	SAME AS TYPE "A"
F2	PRUDENTIAL #P64-M2-08-DCA-BW-EMB	4-F4032/41K	PENDANT BOTTOM AT 8'-0"	OUTRON BALLAST
H2	LITECONTROL #SD428RS-120-EF	2-F40LM/SS	SAME AS TYPE "H"	SAME AS TYPE "A"
L1	KURT-VERSEN #R7122-250120MHS-IN-FC-F	1-250W MH-BT-38 1-0150W T-4	SAME AS TYPE "L"	PAINT BAFFLE WHITE TO MATCH CEILING
Y	KEYLESS LAMPHOLDER	1-75W A-19	SURFACE-CEILING	
G2	LITE CONTROL #85N-24RS-F/BW-DP-120	2-F40LM/SS	COVE UNIT WITH "SR" ON ENDS	SAME AS TYPE "A"
A2	KIM #LLF-10/100HPS120/DB-E/LEXAN	1-100W HPS	FLUSH IN WALL 2'-5" ABOVE SIDE-WALK	
BB	QUALITY LTC. #125-23-F-1-120-250HPS-HS-100 TILT ON 15° POLE	1-250W HPS	ON CONC. BASE SEE DETAIL	TEXAS POLE CO #84S-15-BZ-BC
CC	QUALITY LTC. #125-23-F-1-120-250HPS-HS-100 TILT ON 20° POLE	1-250W HPS	ON CONC. BASE SEE DETAIL	TEXAS POLE CO. #84S-20-BZ-BC (USE HOUSING SIDE SHIELD)
DD	QUALITY LTC. #311-60-V-120-HPS 100-PE	1-100W HPS	ON CONC. BASE 8"x8"x24" DRPP	BOLLARD
EE	LITHONIA #BTC140120ES	2-F40LM/SS	SURFACE-WALL ABOVE DOOR	SAME AS TYPE "A"

NOTE: ALL EMERGENCY BALLASTS FOR FLUORESCENT FIXTURES WILL BE EQUAL TO LITHONIA #PS-900 PROVIDING 900 LUMENS FOR 1-1/2 HOURS FROM 1-40W LAMP. (DESIGNATED BY "EL9", "EF" AND "HBB")

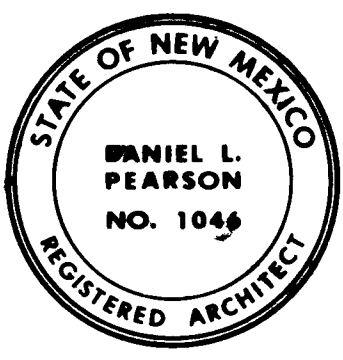


26 3915 31 93

LIGHTING PLAN
1/8" = 1' - 0"

NOTE: REFER TO ARCHITECTURAL REFLECTED CEILING PLAN ON SHEET A-2 FOR EXACT LOCATIONS OF ALL RECESSED SURFACE AND PENDANT MOUNTED LIGHTING FIXTURES.

RECORD DRAWING, APRIL 14, 1992



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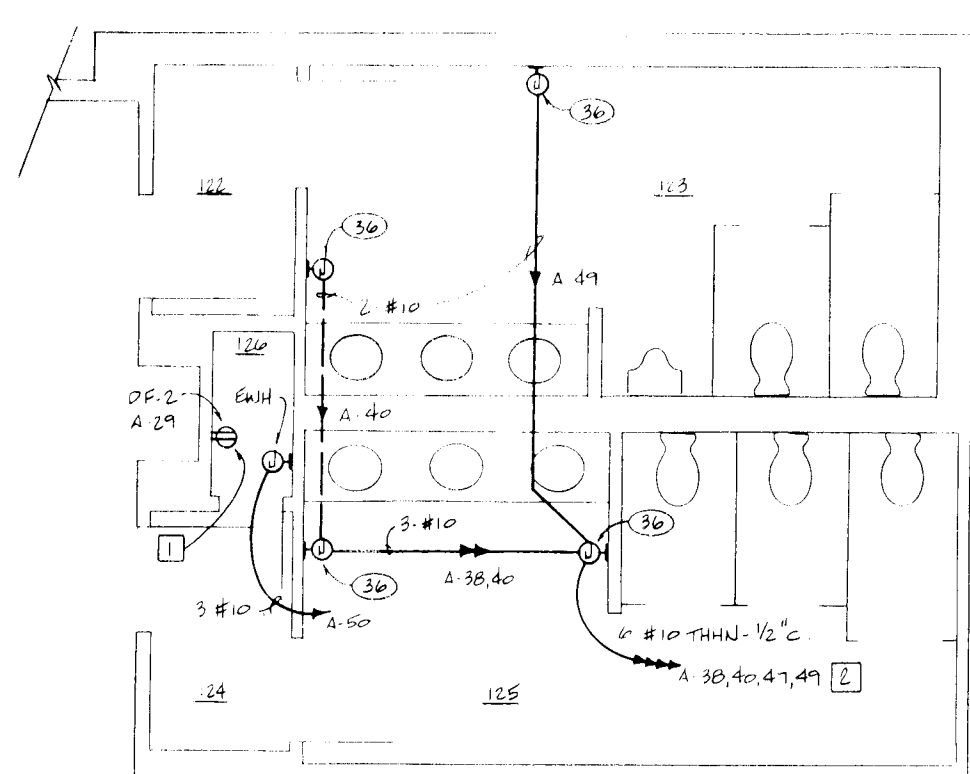
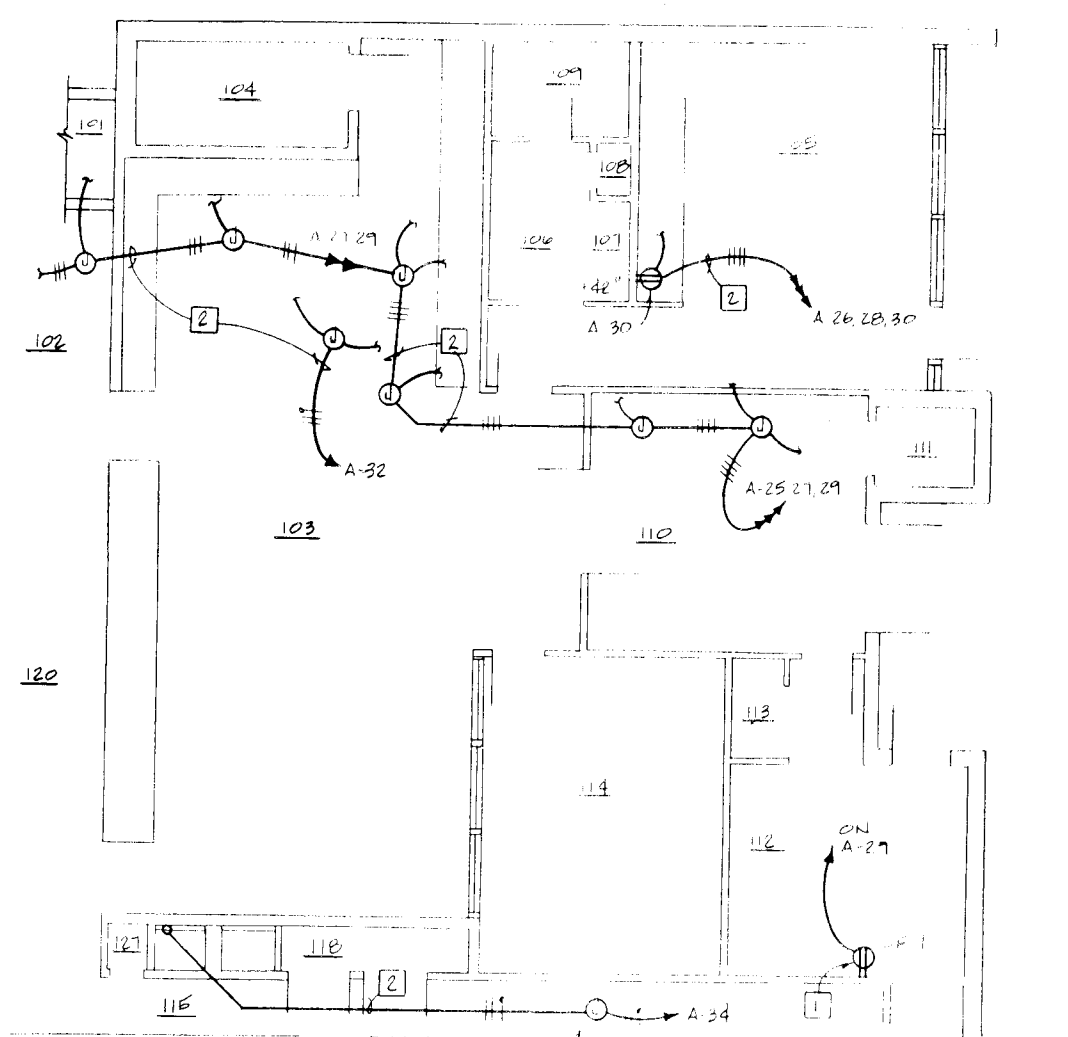
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LIGHTING PLAN

DECEMBER 21, 1989

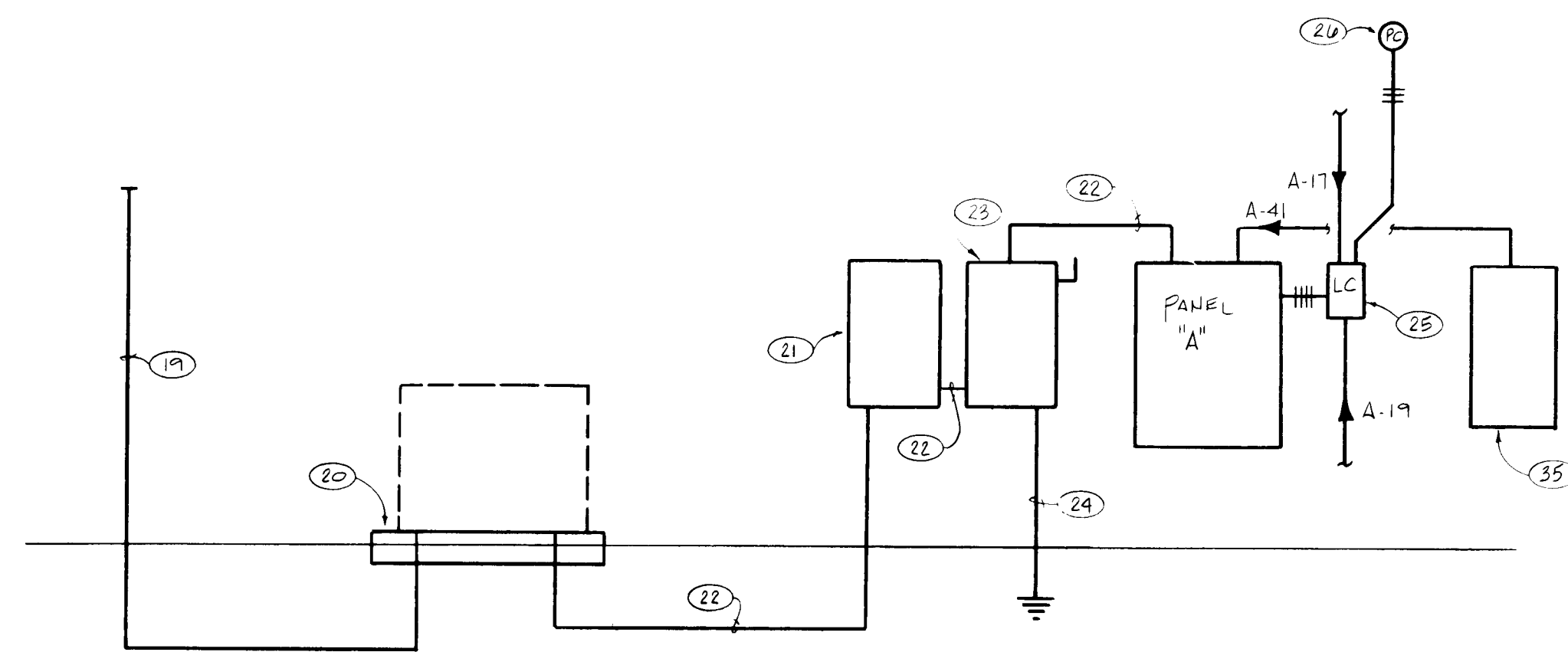
E-1



PART PLAN - ROOMS 122, 123, 124, 125, 126

- NOTES:
- IF REQUIRED BY CHILLER OR 1, SIGNAL TRIP AND USE AS FUNCTION BOX FOR CONNECTION TO CHILLER.
 - TRANSFORMER: HUBBELL #8-2537, 400/208V, 100 KVA, 1 PHASE.
 - SEE SHEET E-2 (DATED DECEMBER 21, 1989) FOR REVISIONS.

- NOTES:
- IF REQUIRED BY CHILLER OR 1, SIGNAL TRIP AND USE AS FUNCTION BOX FOR CONNECTION TO CHILLER.
 - TRANSFORMER: HUBBELL #8-2537, 400/208V, 100 KVA, 1 PHASE.
 - SEE SHEET E-2 (DATED DECEMBER 21, 1989) FOR REVISIONS.



POWER RISER DIAGRAM

SERVICE CHARACTERISTICS

208Y/120 VOLT, 3 PHASE, 4 WIRE, 60 HERTZ

CONNECTED LOAD = 107 KW

ESTIMATED DEMAND LOAD = 80 KW

MINIMUM TRANSFORMER SIZE REQUIRED: = 75 KVA

AVAILABLE FAULT CURRENT AT TRANSFORMER SECONDARY = 10,320 AMPS

PANEL "A"		DESCRIPTION: ITE: CDP-7: 208Y/120 VOLT, 3 PHASE, 4 WIRE, S/N, 400 AMP. MLD 10,000 A.M.C. MIN. BOLT-ON BRACKETS, SURFACE MOUNT, 2 SECTIONS, COPPER BUSSES, ISOLATED GROUND BUS																			
CIRCUIT LOCATION		AMPS			BR	CT			NO	AMPS			CIRCUIT LOCATION								
		A	B	C		A	B	C		A	B	C									
LIGHTS	14	8	15	20	1	A	2	20	15	13	13	LIGHTS									
													10	16	11	9	7	8	13	15	14
EXTERIOR LIGHTING	15	15	13	15	16	13	13	13	13	RECEPTACLES - SYSTEMS											
EXTERIOR LIGHTING RECEPTACLES	15	10	10	21	22	10	10	15	RECEPTACLES - TELEPHONE												
ELEC. CLOSET & EXT. ROOF (4)	10	10	10	25	A	26	13	13	13	13	DEDICATED-COMPUTER										
2XHR. FANS (2) 2 @ 1/4HP	12	10	15	31	A	32	10	10	10	10	HAND DRYER										
CONTROL CT. & TRCP & CLOCKS	10	4	40	37	A	40	20	20	15	15	HAND DRYER										
1PS - EMERG. SYSTEM	10	12	43	A	44	20	20	20	20	20	VENDING MACHINE										
WOOD & CIRC. PUMP	10	12	45	B	47	48	20	20	20	20	SPARE										
MICROWAVE OVEN	10	12	49	A	50	2F	29	29	29	29	WATER HEATER										
SPARE	10	12	51	B	53	54	20	20	20	20	SPARE										
PKG UNIT 1	18	17	40	59	A	60	1F	18	18	18	PKG UNIT 2										
PKG UNIT 3	18	17	40	61	B	62	1F	18	18	18	PKG UNIT 4										
SPACE	18	17	40	65	A	66	40	40	40	40	SPACE										
CONNECTED LOAD:	6A	20	85	283	8C	280	DSM20	320	AMS	X 15W	76.7	AMS									

SYMBOL LEGEND

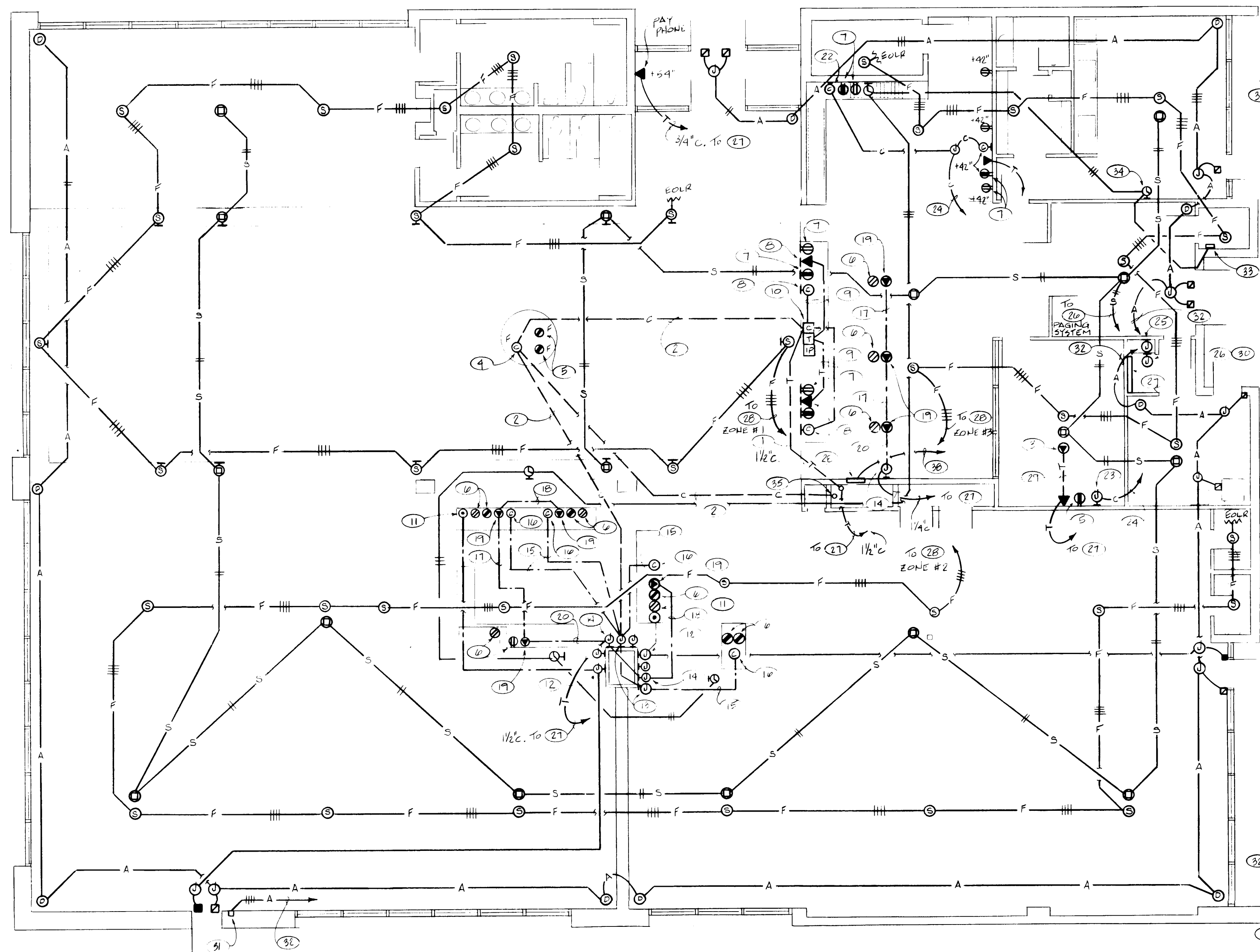
	FLUORESCENT FIXTURE AND OUTLET. CAP. LETTER REFERS TO FIXTURE SCHEDULE. LOWER CASE LETTER DESIGNATES SWITCH CONTROL.
	LIGHTING FIXTURE, CEILING OUTLET. CAP. LETTER REFERS TO FIXTURE SCHEDULE.
	LIGHTING FIXTURE, WALL OUTLET. CAP. LETTER REFERS TO FIXTURE SCHEDULE. MOUNT AT HEIGHT AS NOTED ON FIXTURE SCHEDULE.
	EXIT LIGHT. CEILING MOUNT. SEE FIXTURE SCHEDULE FOR TYPE.
	EXIT LIGHT. WALL MOUNT. SEE FIXTURE SCHEDULE FOR TYPE.
	SINGLE POLE TOGGLE SWITCH. UP 48" TO BOTTOM. HUBBELL #1221-1.
	THREE WAY TOGGLE SWITCH. UP 48" TO BOTTOM. HUBBELL #1223-1.
	KEY OPERATED SINGLE POLE TOGGLE SWITCH. UP 48" TO BOTTOM. HUBBELL #1221-1.
	SINGLE POLE MANUAL MOTOR SWITCH. SIZE OVERLOADS TO PROTECT MOTOR. UP 48" TO BOTTOM OR AS NOTED ON DRAWINGS. SQUARE D CLASS 2510.
	TWO POLE MANUAL MOTOR SWITCH. SIZE OVERLOADS TO PROTECT MOTOR. UP 48" TO BOTTOM, ETC.
	SINGLE POLE TOGGLE SWITCH WITH PILOT LIGHT. UP 48" TO BOTTOM OR AS NOTED ON THE DRAWINGS. HUBBELL #1221-1P.
	J-BOX INSTALLED ABOVE CEILING. SIZE PER NEC.
	J-BOX INSTALLED FLUSH IN WALL. SIZE PER NEC. LOCATE AS REQUIRED TO FACILITATE EQUIPMENT CONNECTION.
	J-BOX WITH FLEX CONNECTION FROM J-BOX TO LIGHT FIXTURE OR EQUIPMENT.
	DUPLEX RECEPTACLE, NEMA 5-15R, 15 AMP/125 VOLT. UP 12" UNLESS NOTED ON DRAWINGS. "AC" - ABOVE COUNTER; "WP" - WEATHERPROOF.
	AS ABOVE EXCEPT DOUBLE DUPLEX RECEPTACLE.
	DUPLEX RECEPTACLE INSTALLED FLUSH IN THE FLOOR. NEMA 5-15R, 15 AMP, 125 VOLT.
	GROUND FAULT INTERRUPTING RECEPTACLE, NEMA 5-15R, 15 AMP/125 VOLT. UP 12" UNLESS NOTED ON THE DRAWINGS. "WP" DENOTES WEATHERPROOF. HUBBELL #GF-5262-1.
	SAFETY DUPLEX RECEPTACLE, NEMA 5-15R, 15 AMP/125 VOLT, UP 12" TO BOTTOM. A-H NO. 6352-1 OR EQUAL.
	TELEPHONE OUTLET. UP 12" TO BOTTOM, OR AS DIRECTED.
	FLUSH IN FLOOR TELEPHONE OUTLET. HUBBELL #B-2537 WITH S7725 COVER. (USE B-2536 FOR GREATER THAN 4" CONCRETE POUR).
	ELECTRIC MOTOR OUTLET. NUMBER INDICATES HORSEPOWER. "F" DENOTES FRACTIONAL HORSEPOWER.
	DISCONNECT SWITCH AS SPECIFIED. NEMA TYPE 3R WHERE INSTALLED OUTDOORS.
	CIRCUIT BREAKER PANELBOARD. REFER TO PANEL SCHEDULES FOR DESCRIPTION.
	WIRING RUN CONCEALED IN CONDUIT. HASH MARKS INDICATE 1 NEUTRAL, PHASE CONDUCTORS, ARROWS AND SUBSCRIPT INDICATES HOMERUN TO PANEL "A", CIRCUITS #1 AND 3.
	CONDUIT RUN CONCEALED IN CEILING OR WALL.
	CONDUIT RUN CONCEALED IN WALL OR FLOOR.
	SECURITY ALARM SYSTEM WIRING RUN CONCEALED IN CONDUIT.
	WIRING TO INCLUDE SEPARATE GREEN GROUND CONDUCTOR (1).
	FIRE ALARM CIRCUIT RUN CONCEALED IN CONDUIT.
	SOUND SYSTEM CIRCUIT RUN CONCEALED IN CONDUIT.
	COMPUTER SYSTEM CIRCUIT RUN CONCEALED IN CONDUIT.
	TELEPHONE CONDUIT RUN CONCEALED. 3/4" MINIMUM.
	TELEPHONE CONDUIT HOMERUN CONCEALED TO TELEPHONE TERMINAL BOARD. 1" CONDUIT MINIMUM.
	THERMOSTAT BY MECHANICAL. UP 54" TO BOTTOM.
	MECHANICAL EQUIPMENT SYMBOL. REFER TO MECHANICAL EQUIPMENT SCHEDULES ON MECHANICAL SHEETS IN THE DRAWINGS.
	SMOKE DETECTOR, EDWARDS #6250B IONIZATION DETECTOR WITH 6251B-001 BASE.
	SPEAKER, BOSEN #866/725 WITH LOWELL CP-84 BACKBOX AND WB-8 GRILLE.
	MOTION DETECTOR, AIRTECH-MOUSE "VERITRON 220" #EV-221. MOUNT AT CEILING.
	MAGNETIC DOOR SWITCH, SENTROL 1078 SERIES.
	ELECTRIC DOOR SWITCH PROVIDED WITH DOOR HARDWARE BY DOOR MANUFACTURER.
	COMPUTER DATA OUTLET (FLOOR).
	COMPUTER DATA OUTLET (WALL).
	ELECTRIC DOOR SWITCH CONTROL BUTTON.
	MICROPHONE OUTLET WITH BOSEN #MBS-1000 PACING MICROPHONE.
	ISOLATED GROUND DUPLEX RECEPTACLE, HUBBELL #IG-5262.
	RANGE OUTLET, 50 AMP, 250 VOLT, 1 PHASE, 3 WIRE, NEMA 10-50R.
	CLOCK

GENERAL NOTES

- CONDUIT: 1/2" MINIMUM SIZE, EMT, IMC, RIGID OR RNP WHERE PERMITTED BY CODE. SCHEDULE 40 PVC UNDERGROUND.
- WIRE: #12 AWG MINIMUM SIZE, THIN INSULATION, COPPER CONDUCTORS. ALUMINUM WILL NOT BE PERMITTED.
- DUPLEX RECEPTACLES (BOTH NORMAL AND ISOLATED GROUND) ARE SHOWN ON THIS SHEET FOR REFERENCE AND COORDINATION PURPOSES ONLY.
- WIRING FOR SECURITY ALARM SYSTEM, FIRE ALARM SYSTEM, CLOCK SYSTEM AND COMPUTER DATA OUTLETS SHALL BE AS REQUIRED BY SYSTEM MANUFACTURER AND/OR OWNER.
- SMOKE DETECTORS SHALL BE MOUNTED ABOVE THE HUNG CEILING IN THE CAVITY ABOVE WHEREVER ACCESSIBLE LAY-IN CEILINGS OCCUR.
- FOR EXACT LOCATIONS OF ALL CEILING MOUNTED ITEMS (ie: SMOKE DETECTORS, SPEAKERS, ETC) REFER TO ARCHITECTURAL CEILING PLAN, SHEET AA-2.
- FOR MOUNTING HEIGHTS OF CLOCKS, SEE SHEET AA-1, ARCHITECTURAL FLOOR PLAN.

KEYED NOTES

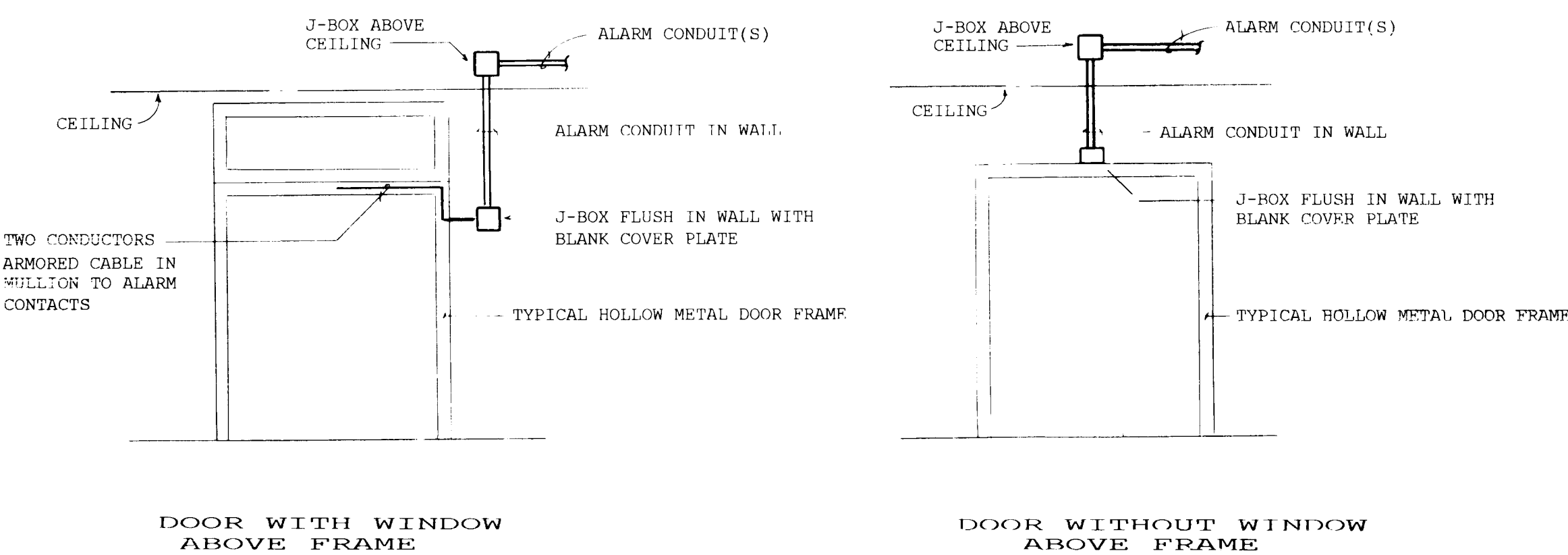
- RUN CONDUIT IN TRENCH.
- 2" C. FOR DATA CABLES.
- TELEPHONE FLOOR OUTLET CONSISTING OF A HUBBELL #B-2520 BOX WITH #8-2525 COVER.
- COMPUTER DATA CABLE FLOOR JUNCTION BOX, HUBBELL #B-2520 WITH #8-2725 COVER.
- ISOLATED POWER RECEPTACLES, SEE SHEET E-2 FOR WIRING AND CIRCUITING.
- FLAT WIRING SYSTEM OUTLETS, SEE SHEET E-2 FOR WIRING AND CIRCUITING.
- POWER OUTLETS, SEE SHEET E-2 FOR WIRING AND CIRCUITING.
- TELEPHONE AND/OR COMPUTER DATA OUTLET MOUNTED IN CASEWORK. SEE DETAILS ON ARCHITECTURAL DRAWINGS AND COORDINATE EXACT LOCATION WITH ARCHITECT AND COUNTER FABRICATOR.
- RUN CONDUIT CONCEALED WITHIN COUNTER WORK, COORDINATE AS PER NOTE (8) AND WITH POWER CONDUIT PER SHEET E-2.
- JUNCTION BOXES FOR COMPUTER DATA CABLES (C); TELEPHONE (T) AND ISOLATED POWER (IP); "CM" = 8" X 8" X 4" DEEP; "TM" = 6" X 6" X 4" DEEP AND "IP" = 4" X 4" X 2-1/2" DEEP. MOUNT BELOW COUNTER TOP APPROXIMATELY 6" ABOVE FLOOR. PROVIDE WITH SCREW COVERS AND KNOCK-OUTS.
- PUSH BUTTON ACTIVATOR FOR ELECTRIC DOOR LOCK, SEE SHEET E-2.
- FLAT WIRING SYSTEM TRANSITION BOX FOR FOUR (4) CONDUCTOR CABLE, FLUSH IN WALL, 4" ABOVE FLOOR, LABEL "FOR ELECTRIC DOOR LOCK".
- SAME AS (12) EXCEPT FOR DATA CABLES. MOUNT IN WALL SO THAT THIS BOX IS AT LEAST 4" FROM ANY POWER BOX. LABEL "COMPUTER DATA CABLES".
- SAME AS (12) EXCEPT FOR TELEPHONE CABLES. LABEL "TELEPHONE SYSTEM".
- FLAT WIRING DATA CABLE; 25 PAIR WITH GROUND AND SHIELD.
- LOW PROFILE DATA OUTLET FOR FLAT WIRING SYSTEM.
- TELEPHONE FLAT WIRING CABLE, 3 PAIR.
- TELEPHONE FLAT WIRING CABLE, 2 PAIR.
- LOW PROFILE TELEPHONE OUTLET FOR FLAT WIRING SYSTEM.
- TELEPHONE FLAT WIRING CABLE, 4 PAIR.
- TELEPHONE FLAT WIRING CABLE, 1-3 PAIR AND 1-2 PAIR CABLES.
- COMPUTER DATA OUTLET, UP 6" ABOVE SHELF. COORDINATE WITH ARCHITECT. 3/4" DIAMETER RUBBED HOLE IN COVER.
- JUNCTION BOX FOR FUTURE COMPUTER DATA OUTLET. PROVIDE WITH BLANK COVER.
- 1-1/4" C. TO COMPUTER TERMINAL BOX IN TELEPHONE CLOSET.
- COMPUTER TERMINAL BOX, 12" X 12" X 4" DEEP WITH REQUIRED TERMINAL STRIPS AND SCREW COVER. MOUNT BELOW LOWEST EQUIPMENT SHELF. SURFACE MOUNT.
- FIRE ALARM CONTROL PANEL, EDWARDS #5721B WITH 3 - #5703B-101 RECEIVING MODULE; 1 - #5703B-101 SIGNAL MODULE; 1 - #5703B-101 FLOW SWITCH MODULE; 1 - #5703B-107 SUPERVISE MODULE; 1 - #5721B-015 BATTERY CHARGER MODULE; 1 - #5721B-023 SIGNAL MODULE; 1 - #5724-2 BATTERY; 2 - #5721B-111 5 CIRCUIT STRIP; 1 - #5730 BACK BOX; 1 - #5734 COVER; 1 - #5735B-002 COVER AND 1 - #5736B-001 COVER; FLUSH MOUNT IN WALL WITH TOP 6'-0" A.F.F.
- CHASE TELEPHONE CONDUIT IN FLOOR WITH POWER CONDUIT. SEE SHEET E-2 FOR POWER.
- SECURITY SYSTEM CONTROL CABINET SHALL BE MOOSE CATALOG #21100. SYSTEM SHALL BE WIRED AS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS, AND ZONED ACCORDINGLY.
- SECURITY SYSTEM KEYPAD, MOOSE #71100-R, FLUSH MOUNT AT 5'-0" AFF.
- TO CONTROL CABINET (30).
- CLOCK SYSTEM RESET CONTROLLER AND BACK BOX ARE SPECIFIED ON THE DRAWINGS, PROVIDED BY GENERAL CONTRACTOR, INSTALLED BY ELEC. CONTRACTOR.
- CLOCKS: TYPICAL, ARE SPECIFIED ON THE ARCHITECTURAL DRAWINGS. SEE NOTE (21). CLOCKS ON COLUMNS SHALL BE CENTERED, HORIZONTALLY, ON SAME.
- 2" C. UP IN DUCT SHAFT, ABOVE HUNG CEILING TO COMPUTER TERMINAL BOX IN TELE. CLOSET.
- FOR EXTERIOR GFI OUTLETS, PROVIDE A TAYMAC #20310 COVER WITH KEY LOCK.
- STUB UP INTO GATE JAMP FOR CONNECTION TO ELECTRIC STRIKE. GATE TO BE UNLOCKED DURING NORMAL LIBRARY HOURS AND LOCKED AT ALL OTHER TIMES. WIRING AS REQUIRED BY MANUFACTURER.
- INTERLOCK FIRE ALARM SYSTEM WITH SECURITY SYSTEM SO THAT WHEN SECURITY SYSTEM IS ACTIVATED, FIRE ALARM WILL BE TRANSMITTED TO SECURITY MONITORING COMPANY THROUGH SECURITY SYSTEM. WIRING AS REQUIRED.



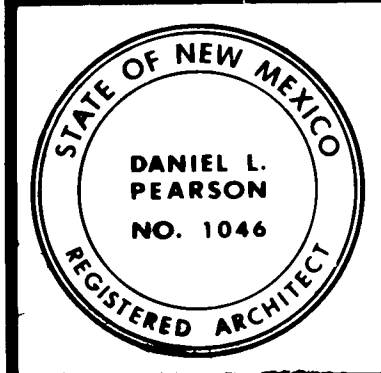
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SPECIAL SYSTEMS PLAN

1/8" = 1'-0"



DOOR SWITCH CONNECTION DETAILS



ARCHITECTS

Hoshour & Pearson

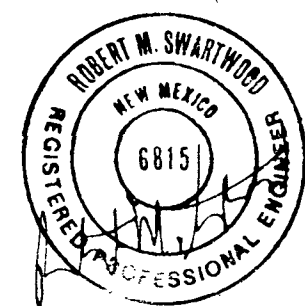
1000 GRIEGOS ROAD NW

LOS GRIEGOS BRANCH LIBRARY
CITY OF ALBUQUERQUE

SPECIAL SYSTEMS PLAN

DECEMBER 21, 1987

E-3



RECORD DRAWING APRIL 14, 1992