

AREA REFERENCE MAP

PHASE THREE

Subdivision Name Centennial Park  
 Sect/Area Phase III  
 Plat # or L/F 513/218  
 Block 8  
 Tax/Zone Map 30  
 Election District 2  
 Census Tract 6023.01  
 Street Address 10000 MD Route 108  
 Parcel 111

# CENTENNIAL PARK

## CAPITAL PROJECT NO. N-4-3014

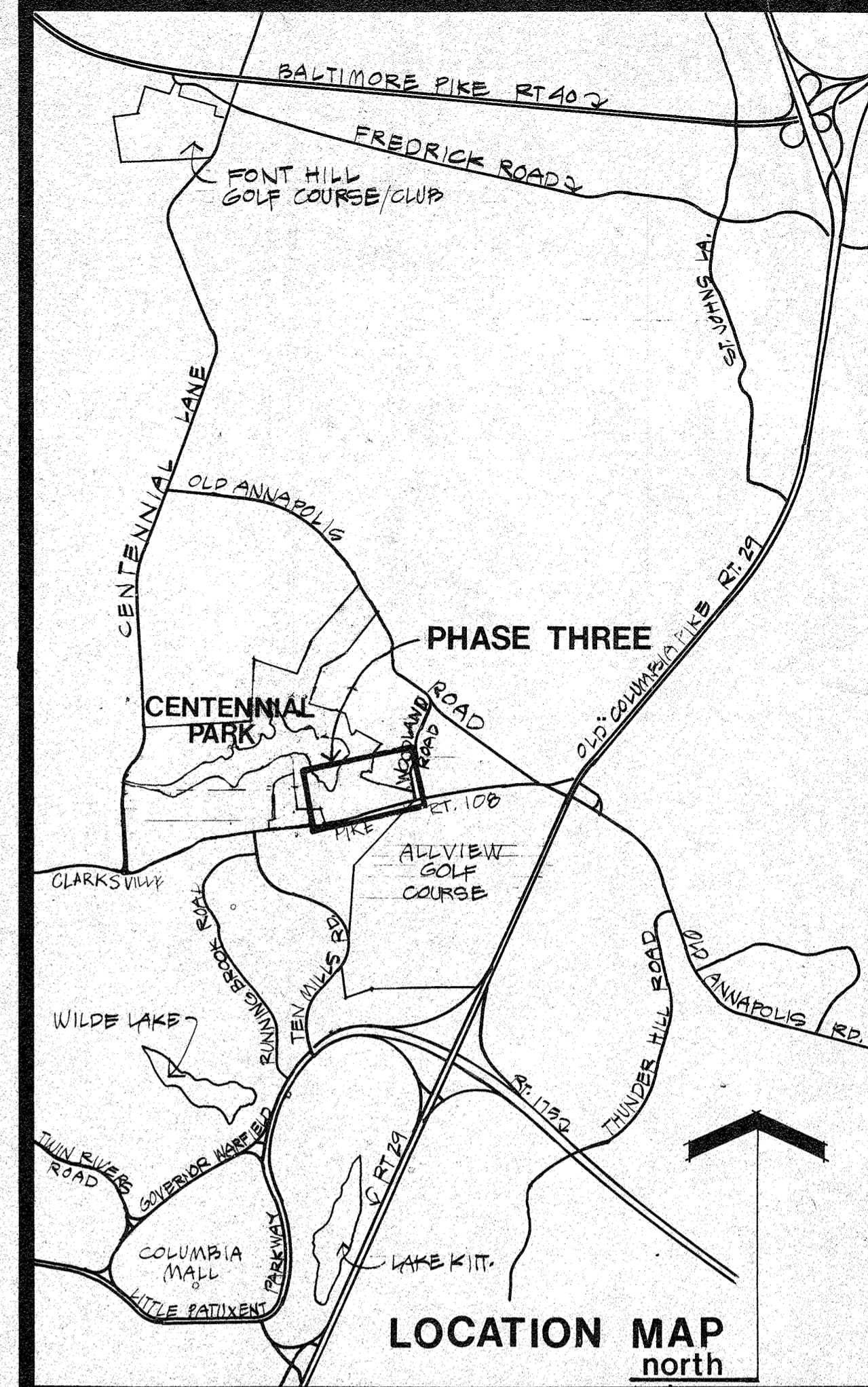
### PHASE THREE SOUTH DAM AREA

#### DEPT. OF PUBLIC WORKS FOR THE DEPT. OF RECREATION AND PARKS

## HOWARD COUNTY MARYLAND

ORIGINAL MYLAR PLANS FOR SDP-86-02 WERE LOST AND ON 2/10/22 WERE RE-CREATED FROM ARCHIVED PRINTS FROM THE DEPARTMENT OF RECREATION AND PARKS.

APPROVED: DIRECTOR OF RECREATION AND PARKS  
*Wanda B. ...*  
 SIGNATURE DATE 8-14-86



APPROVED: For public Water, Public Sewerage and Storm Drainage Systems and Roads  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*George ...*  
 DIRECTOR DATE 8-12-86  
*William ...*  
 CHIEF, BUREAU OF ENGINEERING DATE 8-12-86

APPROVED: For public Water and Public Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
*James ...*  
 COUNTY HEALTH OFFICER DATE 8-13-86

APPROVED: Howard County Office of Planning and Zoning  
*John ...*  
 PLANNING DIRECTOR DATE 8-13-86  
*John ...*  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE 8-13-86

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 8-1-85  
*John ...*

**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRET PLACE, SUITE 300  
 COLUMBIA, MARYLAND 21044

**ENGINEER'S CERTIFICATE**  
 "I CERTIFY THAT THE PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
*William ...*  
 SIGNATURE OF ENGINEER DATE 8-12-86  
**DEVELOPER'S CERTIFICATE**  
 "I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY." DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*William ...*  
 SIGNATURE OF DEVELOPER DATE 8-12-86  
 REVIEWED FOR Howard S.C.D. AND MEETS TECHNICAL REQUIREMENTS  
 NAME  
*James M. ...*  
 SIGNATURE DATE 8/14/86  
 U.S. SOIL CONSERVATION SERVICE

**SITE ANALYSIS**

ZONING OF PROPERTY.	R-20
TOTAL AREA OF THE SITE.	9.4 AC
TOTAL AREA DISTURBED.	6.6 AC
TOTAL EXISTING IMPERVIOUS AREA.	0 AC
TOTAL PROPOSED IMPERVIOUS AREA.	1.50 AC
TOTAL INCREASED IMPERVIOUS AREA.	15.8%
TOTAL REVEGETATED AREA.	6.10 AC
TOTAL UNDISTURBED AREA.	2.8 AC
TOTAL PARKING SPACES.	72
TOTAL HANDICAP SPACES.	4
TOTAL CY CUT	450 CY
TOTAL CY FILL	1517 CY

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED *William ...* DATE 8/14/86  
 HOWARD S.C.D. DATE

**SHEET INDEX**

#	SHEET TITLE	Sheet No.	Sheet Title
1	COVER SHEET	A1	Recreation Bldg. - Foundation Plan
2	Existing Conditions Demolition Plan Area A	A2	" " - Floor Plan
3	Existing Conditions Demolition Plan Area B	A3	" " - Elevations
4	AREA A CONSTRUCTION LAYOUT	A4	" " - Elevations
5	Area B Construction Layout	A5	" " - Elevations
6	AREA B GRADING AND SEDIMENTATION CONTROL PLAN	A6	" " - Section A-A
7	Area B Planting Plan	A7	" " - Section B-B
8	DETAILS, PROFILES AND SEDIMENTATION CONTROL PLAN	A8	" " - Section C-C & Details
9	Court Games 'Blow up'	A9	" " - Section D-D & Details
10	Pavement Details	A10	" " - Tower Elevations
11	Misc. Construction Details	A11	" " - Wall Sections
12	Misc. Construction Details	A12	Restroom Bldg. - Foundation Plan, Sections & Details
		A13	" " - Floor Plan & Elevations "A" & "C"
		A14	" " - Details, Elevation "B" & Framing Plan
		A15	" " - Sections & Details
		A16	" " - Details
		A17	" " - Details
		S1	Recreation Bldg. - Deck Framing Plan
		S2	" " - 2nd Level Framing Plan
		S3	" " - 3rd Level Framing Plan
		S4	" " - 4th Level & Roof Framing
		S5	" " - 5th Level & Roof Framing
		S6	" " - Schedules & Details
		M1	RECREATION BUILDING
		M2	RESTROOM BLDG. AND H.V.A.C. LAYOUT, MISC.
		E1	RECREATION BLDG. & RESTROOM BLDG.

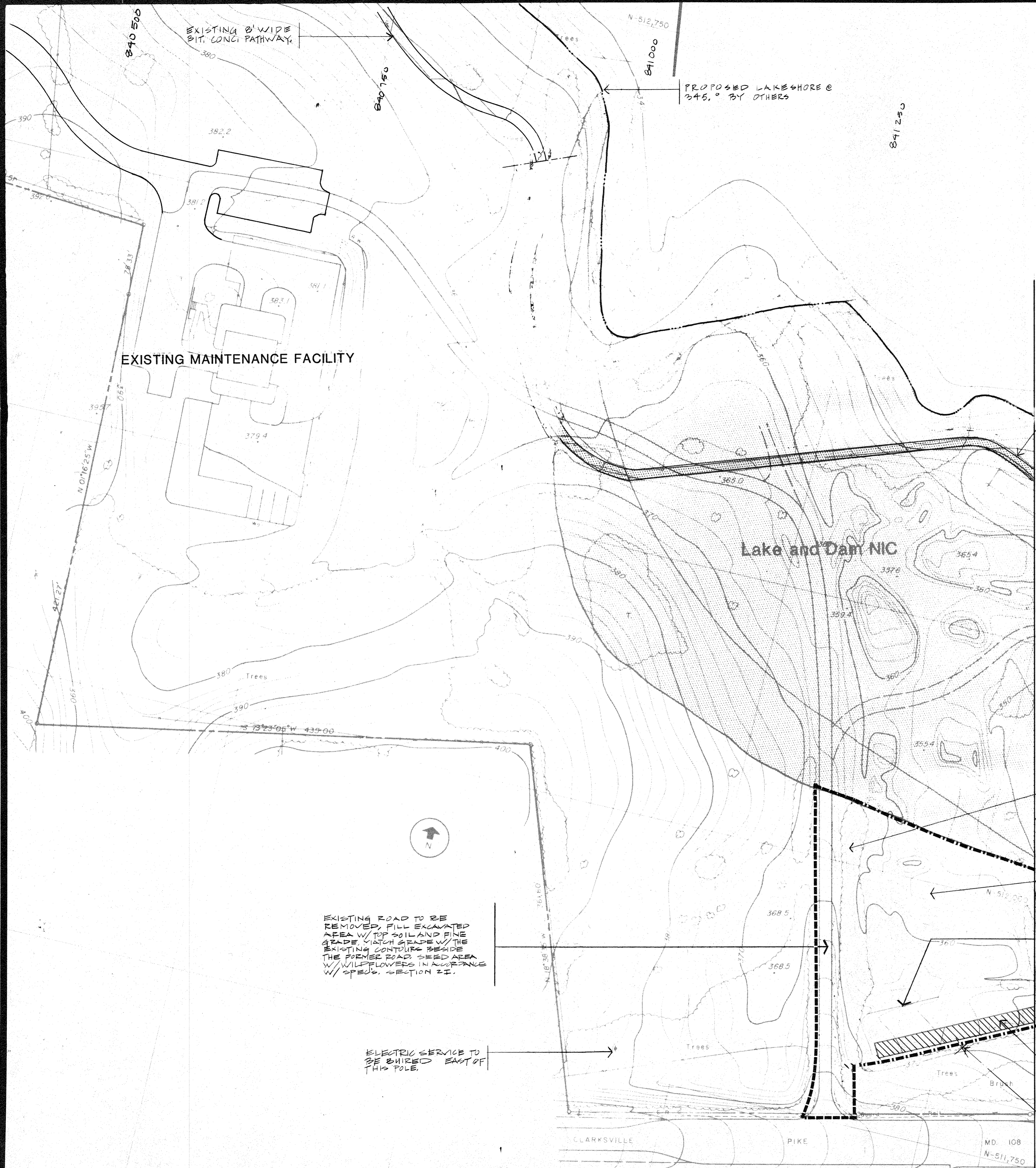
Subdivision Name: CENTENNIAL PARK, Sect./Area: PHASE 3 III, Lot/Parcel #: 513/218 8 R-20 30 2 6023.01  
 Water Code: F10, Sewer Code: 5720200

**ADDRESS CHART**

PARCEL NUMBER	STREET ADDRESS
111	108 B

**COVER SHEET**  
 CENTENNIAL PARK  
 PHASE THREE SOUTH DAM AREA

DATE	6-19-85	REVISIONS:	SDP-10-FIG.
SCALE			1
DRAWN			OF 28
CHECKED			



EXISTING 8' WIDE BIT. CONCR. PATHWAY.

EXISTING HEDGE ROW TO REMAIN.

REMOVE ALL DEBRIS WITHIN THE CONTRACT LIMIT LINE, DISC. EXISTING GRADE COVER W/ 6" TOP SOIL, FINE GRADE AND SEED W/ WILDFLOWERS.

REMOVE EXISTING 4" TIMBER RETAINING WALL, GRADE AS NECESSARY TO BLEND GRADE WITH EVEN TRANSITION TO EXISTING.

CONTRACT LIMIT LINE.

EXISTING ROAD TO BE REMOVED, FILL EXCAVATED AREA WITH TOP SOIL, GRADE TO MATCH CONTOUR EXISTING BY THE ROAD AND SEED.

REMOVE POLES WITHIN CONTRACT LIMIT LINE.

EXISTING ROAD TO BE REMOVED, FILL EXCAVATED AREA W/ TOP SOIL AND FINE GRADE, MATCH GRADE W/ THE EXISTING CONTOUR BESIDE THE FORMER ROAD, SEED AREA W/ WILDFLOWERS IN ACCORDANCE W/ SPEC. SECTION 21.

ELECTRIC SERVICE TO BE BURIED EAST OF THIS POLE.

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 8-1-85

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR 8-12-86  
DATE  
CHIEF, BUREAU OF ENGINEERING 8-12-86  
DATE  
APPROVED: For Public Water and Public Sewerage Systems  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER 8-13-86  
DATE  
APPROVED: Howard County Office of Planning and Zoning  
PLANNING DIRECTOR 8-13-86  
DATE  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION 8-13-86  
DATE

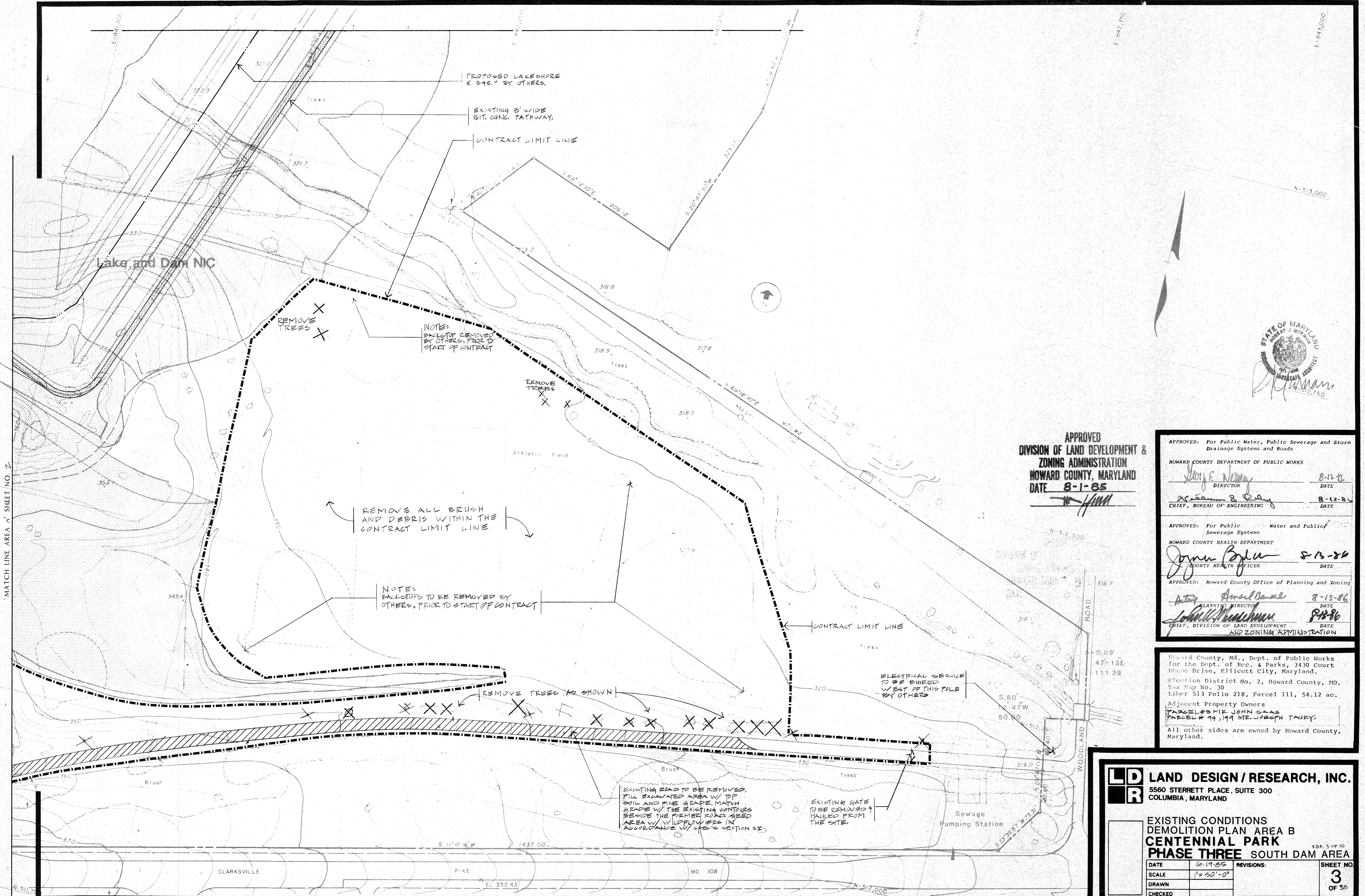
Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.  
Election District No. 2, Howard County, MD.  
Tax Map No. 30  
Liber 513 Folio 218, Parcel 111, 54.12 ac.  
Adjacent Property Owners  
PARCEL #3 MR. JOHN SAAS,  
PARCEL # 99, MR. JOSEPH TAURY  
All other sides are owned by Howard County, Maryland.

**LD R LAND DESIGN / RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND

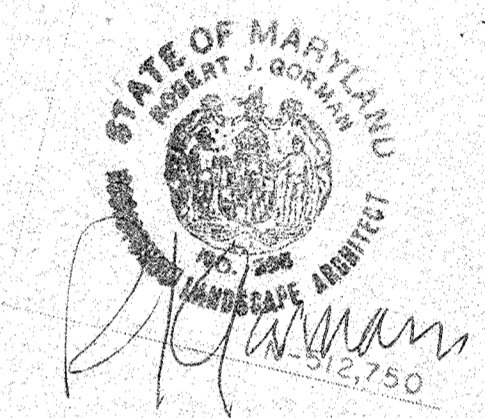
**EXISTING CONDITIONS. DEMOLITION PLAN AREA A CENTENNIAL PARK PHASE THREE-SOUTH DAM AREA**

DATE 6-19-85 REVISIONS: SCALE 1" = 50'-0" SHEET NO. 2 OF 28  
DRAWN CHECKED

STATE OF MARYLAND  
COUNTY OF HOWARD  
REGISTERED PROFESSIONAL ENGINEER  
No. 108 N-511,750



MATCH LINE AREA "A" SHEET NO. 7



APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 8-1-85

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads	
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>Donny E. Nemy</i> DIRECTOR	8-12-85 DATE
<i>William S. Riley</i> CHIEF, BUREAU OF ENGINEERING	8-12-85 DATE
APPROVED: For Public Water and Public Sewerage Systems	
HOWARD COUNTY HEALTH DEPARTMENT	
<i>Joanna Boyer</i> COUNTY HEALTH OFFICER	8-13-86 DATE
APPROVED: Howard County Office of Planning and Zoning	
<i>Arthur Amal Dandel</i> PLANNING DIRECTOR	8-13-86 DATE
<i>John W. ...</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	8-13-86 DATE

Howard County, Md., Dept. of Public Works  
 for the Dept. of Rec. & Parks, 3430 Court  
 House Drive, Ellicott City, Maryland.  
 Election District No. 2, Howard County, MD.  
 Tax Map No. 30  
 Liber 513 Folio 218, Parcel 111, 54.12 ac.  
 Adjacent Property Owners  
 PARCEL # 94, MR. JOHN SAAS  
 PARCEL # 94, 149 MR. JOSEPH TAURY  
 All other sides are owned by Howard County,  
 Maryland.

**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND

**EXISTING CONDITIONS  
 DEMOLITION PLAN AREA B  
 CENTENNIAL PARK  
 PHASE THREE SOUTH DAM AREA**

DATE	8-19-85	REVISIONS:	SHEET NO.
SCALE	1" = 50'-0"		3
DRAWN			OF 38
CHECKED			

SDP-86-02

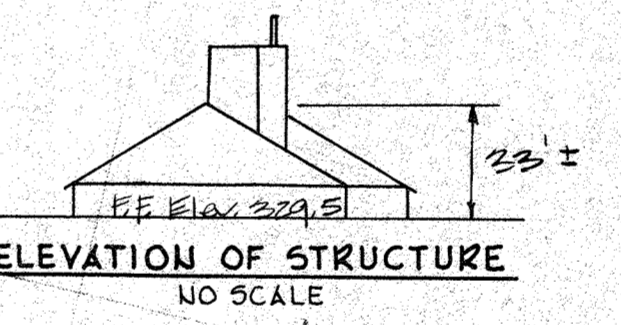
STATION	NORTH	EAST
1+88.00	512,184.98	842,701.27
3+57.81	512,154.39	842,594.24
4+73.44	512,212.52	842,447.38
5+77.00	512,313.80	842,425.78
6+84.17	512,339.53	842,366.22
7+89.77	512,455.90	842,277.64
8+58.17	512,492.55	842,219.43
9+59.17	512,373.55	842,143.73
10+68.17	512,336.95	842,201.94

**GENERAL NOTES**

- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- CORRUGATED STEEL PIPE SECTIONS WILL BE JOINED WITH A SINGLE OR TWO PIECE CORRUGATED BAND WITH A WATERTIGHT NEOPRENE GASKET. DIMPLE BAND CONNECTORS WILL NOT BE PERMITTED.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:
 

MISS UTILITY	1-800-257-7777
C & P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT & T CABLE LOCATION DIVISION	393-3553
BALTIMORE GAS AND ELECTRIC COMPANY	685-0123
STATE HIGHWAY ADMINISTRATION	531-5533
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION	792-7272
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT  $\frac{1}{2}$  ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11.4 IN VOLUME I OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL SEWER MAINS SHALL BE C.S.P.X., V.C.P.X., P.V.C. OR A.C.P. CLASS 2400 UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G-5.52 VOLUME IV.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
- FOR ALL COPPER WATER HOUSE CONNECTIONS UTILIZE FLARED TYPE FITTINGS ONLY.
- SPOT ELEVATIONS ON DRAWINGS SUPERSEDE ROAD PROFILE.
- THE EXISTING CONTOURS SHOWN ON BASE PLAN ARE FROM COUNTY AERIAL BASE SHEETS.

<b>ε CURVE DATA</b> FROM STA. 3+57.81 TO STA. 4+73.44	<b>ε CURVE DATA</b> FROM STA. 5+77.00 TO STA. 6+84.17
Δ = 88°20'07"	Δ = 45°29'11"
R = 75.00'	R = 135.00'
L = 115.63'	L = 107.17'
T = 72.85'	T = 94.59'
D = 76°23'43"	D = 42°26'29"
CHD = N56°12'32"W, 104.51'	CHD = N34°47'08"W, 104.38'



APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 8-1-85  
HLM

7-21-85  
DATE  
ARTHUR E. MUEGGEL  
PROFESSIONAL ENGINEER  
No. 10000

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
Director: [Signature] DATE: 8-12-85  
Chief, Bureau of Engineering: [Signature] DATE: 8-12-85

APPROVED: For Public Water and Public/Private Sewerage Systems  
HOWARD COUNTY HEALTH DEPARTMENT  
County Health Officer: [Signature] DATE: 8-13-85

APPROVED: Howard County Office of Planning and Zoning  
Planning Director: [Signature] DATE: 8-13-85  
Chief, Division of Land Development and Zoning Administration: [Signature] DATE: 8-13-85

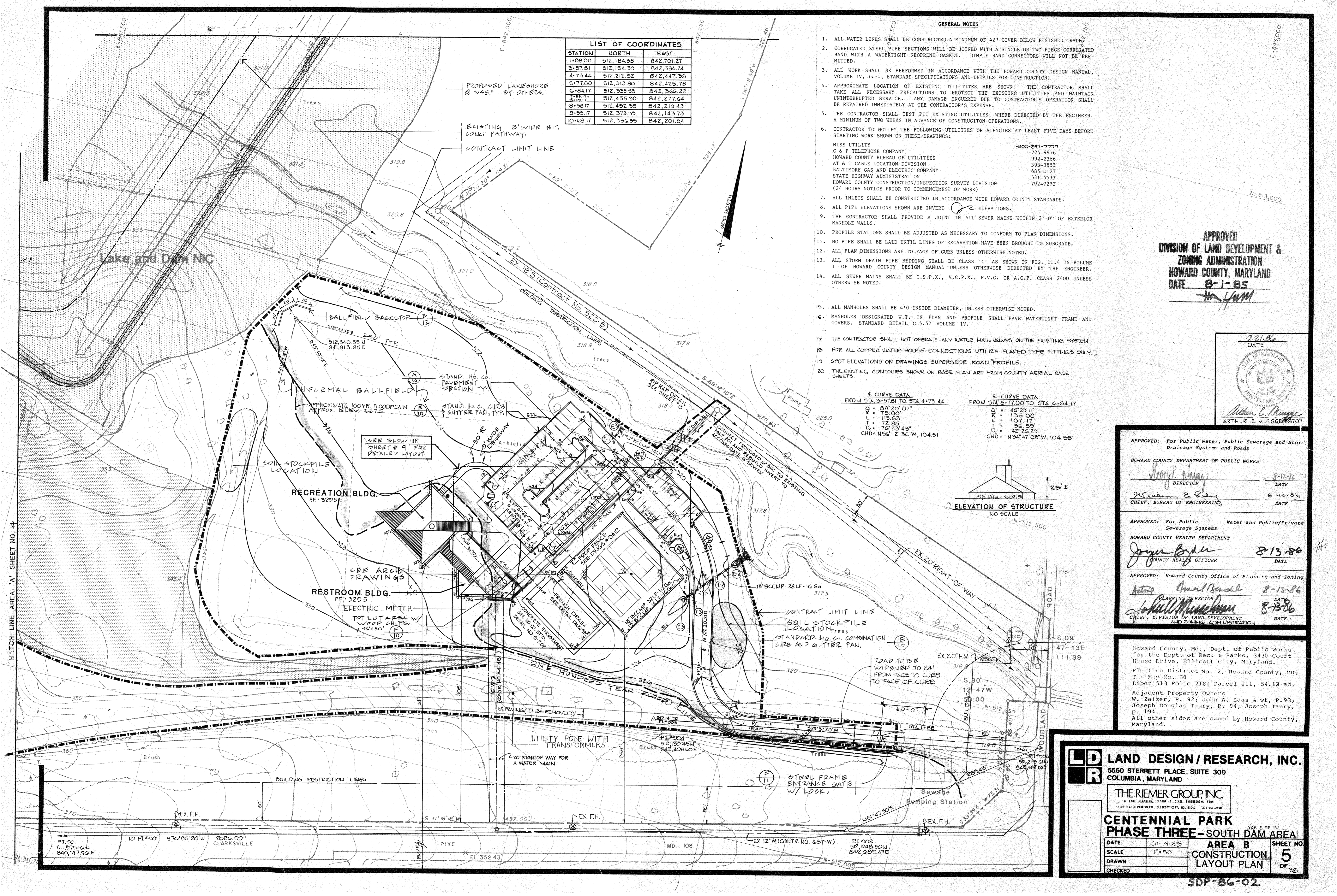
Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.  
Election District No. 2, Howard County, MD. Tax Map No. 30. Liber 513 Folio 218, Parcel 111, 54.12 ac. Adjacent Property Owners W. Zaizer, P. 92; John A. Saas & wf, P. 93; Joseph Douglas Taury, P. 94; Joseph Taury, p. 194. All other sides are owned by Howard County, Maryland.

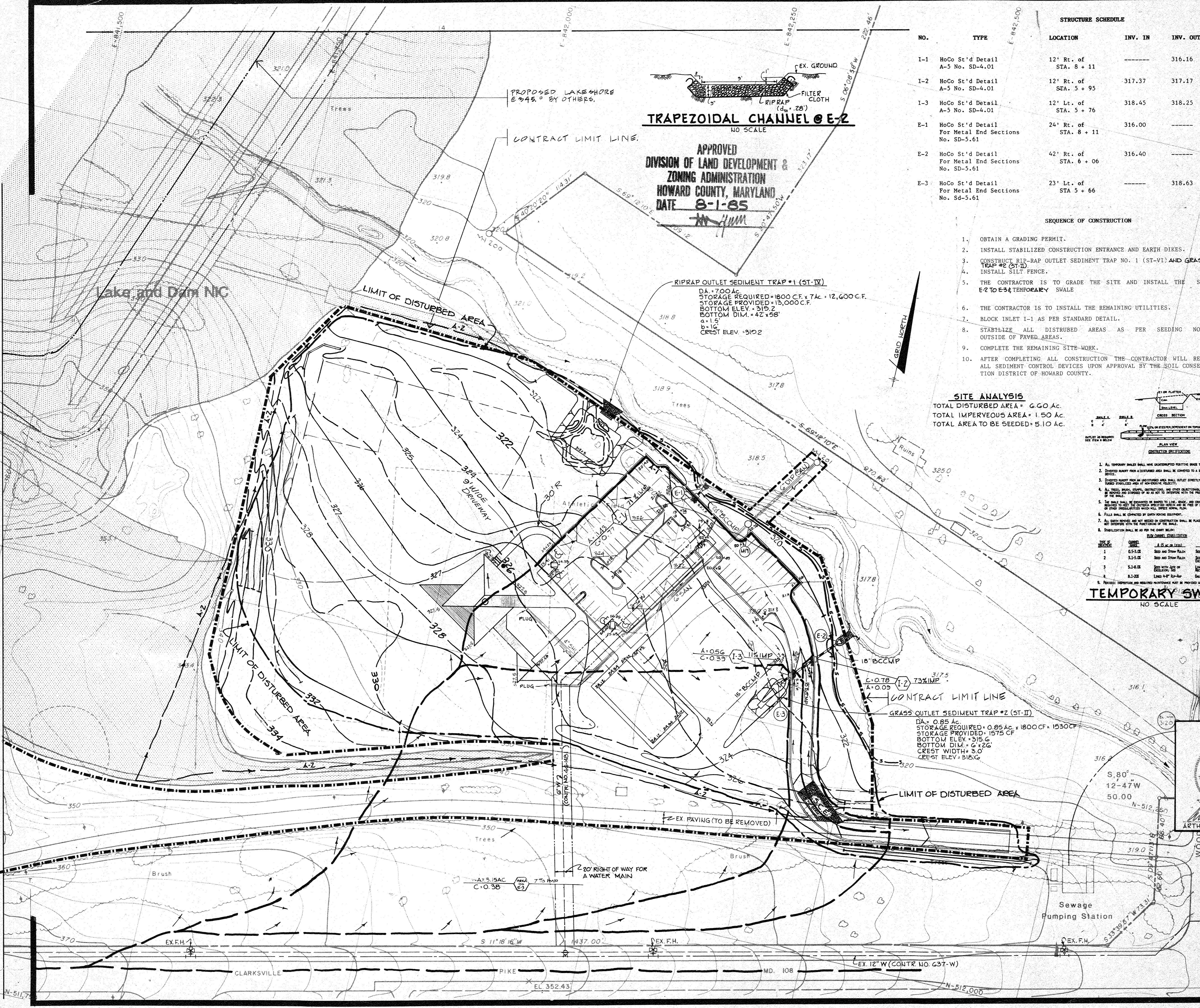
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5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND

**THE RIEMER GROUP, INC.**  
A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM  
3105 HEALTH PARK DRIVE, ELICOTT CITY, MD. 21043 301-461-2900

**CENTENNIAL PARK PHASE THREE - SOUTH DAM AREA** SDP 5 OF 10  
DATE: 6-19-85 AREA B SHEET NO. 5 OF 58  
SCALE: 1" = 50' CONSTRUCTION LAYOUT PLAN  
DRAWN: [Signature] CHECKED: [Signature]

SDP-86-02





**TRAPEZOIDAL CHANNEL @ E-2**  
NO SCALE

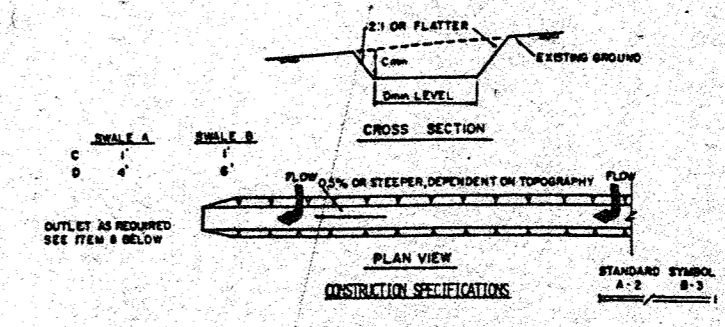
APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE **8-1-85**  
*[Signature]*

**RIPRAP OUTLET SEDIMENT TRAP #1 (ST-IV)**  
DA = 7.00 AC  
STORAGE REQUIRED = 1800 CF x 74' = 12,600 C.F.  
STORAGE PROVIDED = 13,000 C.F.  
BOTTOM ELEV. = 315.2  
BOTTOM DIM. = 42' x 58'  
a = 1.5  
b = 1.2  
CREST ELEV. = 310.2

NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV. (Top of Curb)
1-1	HoCo St'd Detail A-5 No. SD-4.01	12' Rt. of STA. 8 + 11	---	316.16	320.08
1-2	HoCo St'd Detail A-5 No. SD-4.01	12' Rt. of STA. 5 + 95	317.37	317.17	322.32
1-3	HoCo St'd Detail A-5 No. SD-4.01	12' Lt. of STA. 5 + 76	318.45	318.25	322.50
E-1	HoCo St'd Detail For Metal End Sections No. SD-5.61	24' Rt. of STA. 8 + 11	316.00	---	---
E-2	HoCo St'd Detail For Metal End Sections No. SD-5.61	42' Rt. of STA. 6 + 06	316.40	---	---
E-3	HoCo St'd Detail For Metal End Sections No. SD-5.61	23' Lt. of STA. 5 + 66	---	318.63	---

- SEQUENCE OF CONSTRUCTION**
- OBTAIN A GRADING PERMIT.
  - INSTALL STABILIZED CONSTRUCTION ENTRANCE AND EARTH DIKES.
  - CONSTRUCT RIP-RAP OUTLET SEDIMENT TRAP NO. 1 (ST-VI) AND GRASS OUTLET SEDIMENT TRAP #2 (ST-IV).
  - INSTALL SILT FENCE.
  - THE CONTRACTOR IS TO GRADE THE SITE AND INSTALL THE STORM DRAINS FROM E-2 TO E-3 TEMPORARY SWALE.
  - THE CONTRACTOR IS TO INSTALL THE REMAINING UTILITIES.
  - BLOCK INLET 1-1 AS PER STANDARD DETAIL.
  - STABILIZE ALL DISTURBED AREAS AS PER SEEDING NOTES, OUTSIDE OF PAVED AREAS.
  - COMPLETE THE REMAINING SITE WORK.
  - AFTER COMPLETING ALL CONSTRUCTION THE CONTRACTOR WILL REMOVE ALL SEDIMENT CONTROL DEVICES UPON APPROVAL BY THE SOIL CONSERVATION DISTRICT OF HOWARD COUNTY.

**SITE ANALYSIS**  
TOTAL DISTURBED AREA = 6.60 AC.  
TOTAL IMPERVIOUS AREA = 1.50 AC.  
TOTAL AREA TO BE SEEDED = 5.10 AC.



- TEMPORARY SWALE**  
NO SCALE
- ALL TEMPORARY SWALES SHALL BE UNIMPROVED PORTING GRADE TO AN OUTLET.
  - DISPERSED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
  - DISPERSED RUNOFF FROM AN UNDISTURBED AREA SHALL BE CONVEYED TO AN UNIMPROVED STABILIZED AREA AT APPROPRIATE VELOCITY.
  - ALL SWALES, BRUSH, STUMP, AND OTHER DEBRIS SHALL BE REMOVED AND STORED TO BE REUSED OR DISPOSED OF AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
  - THE SWALE SHALL BE DOCUMENTED BY SURVEY TO LINE, ABOVE, AND OTHER DETAILS AS REQUIRED TO MEET ALL DISTRICT SPECIFICATIONS AND BE THE RESULT OF THE INSPECTIONS OF OTHER REGULATORY AGENCIES WHICH WILL SUPERVISE, PLAN.
  - SWALES SHALL BE CONSTRUCTED BY HAND-POURED CONCRETE.
  - ALL SWALE APPROVALS WILL BE BASED ON CONSTRUCTION SHALL BE PLACED BY THAT IT WILL BE STABILIZED BY SEEDING AND MULCHING.
  - STABILIZATION SHALL BE AS PER THE CHART BELOW:
- | SWALE TYPE | SEEDING   | MULCHING                |
|------------|-----------|-------------------------|
| 1          | 0.5-3.0%  | 3.0-4.0% (1.5-2.0" IMP) |
| 2          | 3.1-5.0%  | 3.0-4.0% (1.5-2.0" IMP) |
| 3          | 5.1-8.0%  | 3.0-4.0% (1.5-2.0" IMP) |
| 4          | 8.1-12.0% | 3.0-4.0% (1.5-2.0" IMP) |
5. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED UPON EACH MAIN EVENT.

**LEGEND**  
SILT FENCE ——— S ——— S  
LIMIT OF DISTURBED AREA ———  
DRAINAGE AREA LINES ———  
EXISTING CONTOUR LINES PRIOR TO JAN., 1986. ———  
EXISTING CONTOUR LINES FROM FIELD SURVEY AS OF JANUARY, 1986. ———

BY THE DEVELOPER:  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."  
*Kenneth E. Edwards* 8/12/86  
DEVELOPER: \_\_\_\_\_ DATE \_\_\_\_\_

BY THE ENGINEER:  
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
*Arthur E. Muegge* 8-27-86  
ENGINEER: \_\_\_\_\_ DATE \_\_\_\_\_

REVIEWED FOR HOWARD S.C.D. NAME  
AND MEETS TECHNICAL REQUIREMENTS  
*Frank Helms* 8/14/86  
U.S. SOIL CONSERVATION SERVICE DATE \_\_\_\_\_

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*[Signature]* 8-17-86  
HOWARD S.C.D. DATE \_\_\_\_\_

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 8-12-86  
DIRECTOR DATE \_\_\_\_\_  
*[Signature]* 8-12-86  
CHIEF, BUREAU OF ENGINEERING DATE \_\_\_\_\_

APPROVED: For Public Water and Public/Private Sewerage Systems  
HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* 8-13-86  
COUNTY HEALTH OFFICER DATE \_\_\_\_\_

APPROVED: Howard County Office of Planning and Zoning  
*[Signature]* 8-13-86  
PLANNING DIRECTOR DATE \_\_\_\_\_  
*[Signature]* 8-13-86  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE \_\_\_\_\_

2-21-86  
DATE  
*Arthur E. Muegge*  
ARTHUR E. MUEGGE 78707

Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.  
Election District No. 2, Howard County, MD. Tax Map No. 30 Liber 513 Folio 218, Parcel 111, 54.12 ac.  
Adjacent Property Owners  
W. Zalzer, P. 92; John A. Saas & wf, P. 93; Joseph Douglas Taury, P. 94; Joseph Taury, P. 194.  
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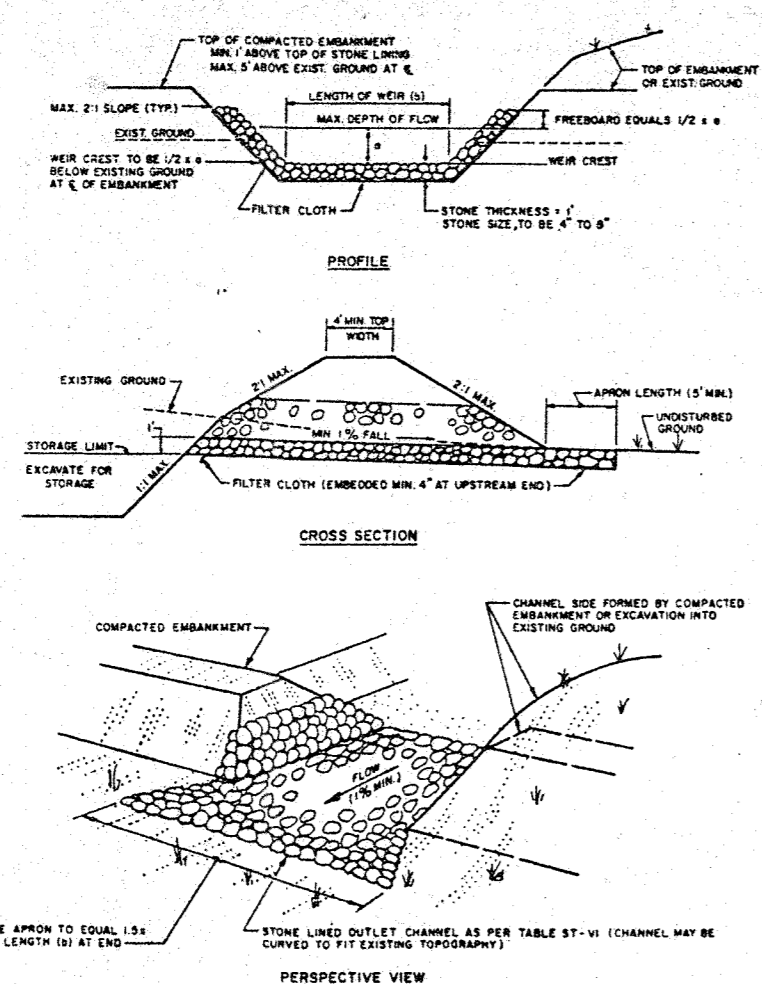
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COLUMBIA, MARYLAND

**THE RIEMER GROUP, INC.**  
A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM  
2105 HEALTH PARK DRIVE, ELICOTT CITY, MD. 21043 301-461-2800

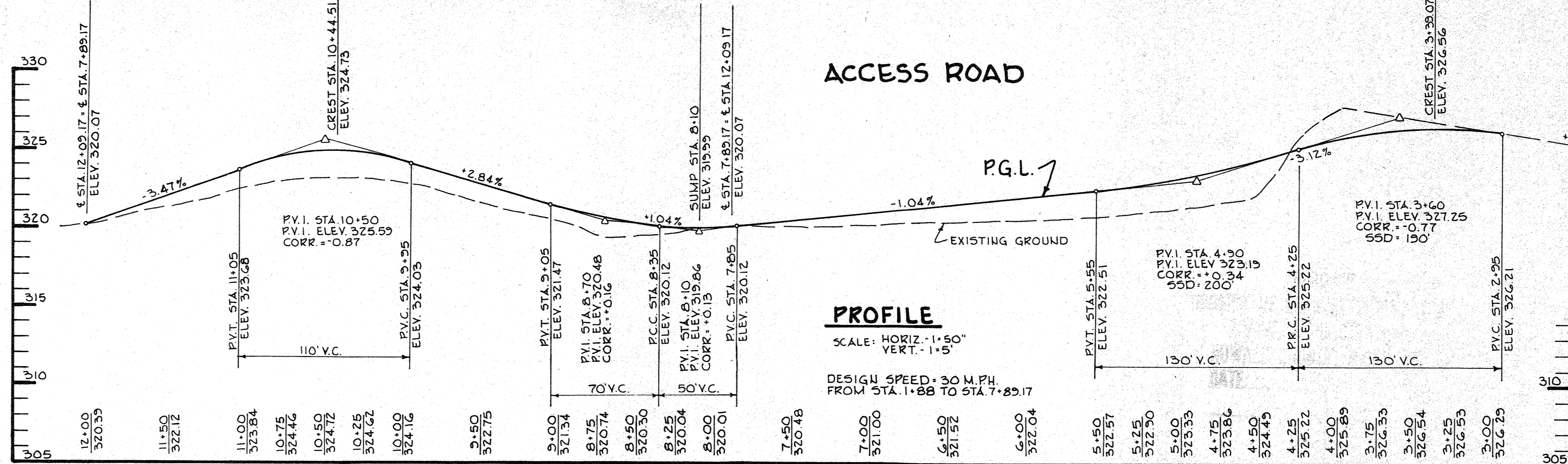
**CENTENNIAL PARK PHASE THREE - SOUTH DAM AREA** SDP 6 OF 10  
DATE 6-19-86 AREA B GRADING & SEDIMENT CONTROL PLAN SHEET NO. 6 OF 30  
SCALE 1" = 50'  
DRAWN \_\_\_\_\_  
CHECKED \_\_\_\_\_

SDP-86-02

- CONSTRUCTION SPECIFICATIONS FOR ST-11**
- The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
  - The fill material for the embankment shall be free of roots or other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
  - All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
  - Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
  - Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
  - Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
  - Stone used in the outlet channel shall be four (4) to eight (8) inches (rip-rap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
  - Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
  - The structure shall be inspected after each rain and repaired as needed.
  - Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
  - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
  - Drainage area for this practice is limited to 15 acres or less.

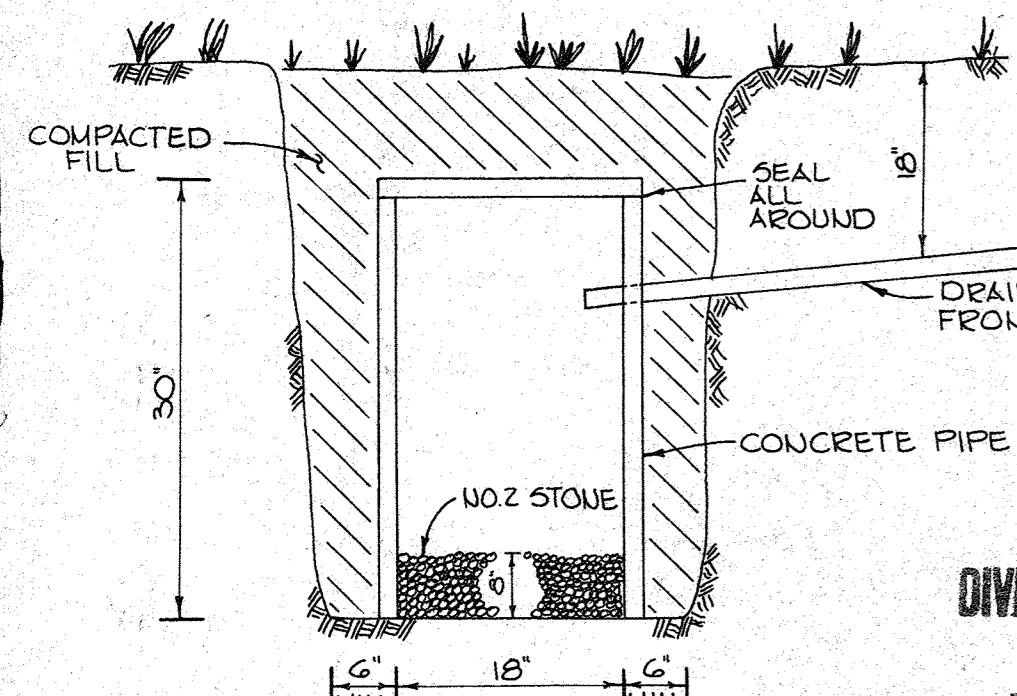


**RIP-RAP OUTLET SEDIMENT TRAP**  
NO SCALE



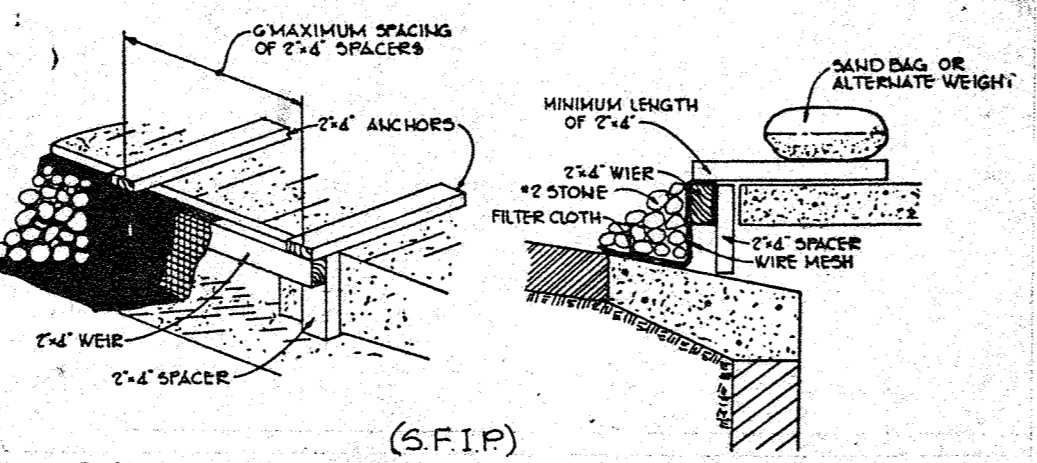
**PROFILE**  
SCALE: HORIZ. - 1"=50'  
VERT. - 1"=5'

DESIGN SPEED = 30 M.P.H.  
FROM STA. 1+88 TO STA. 7+89.17

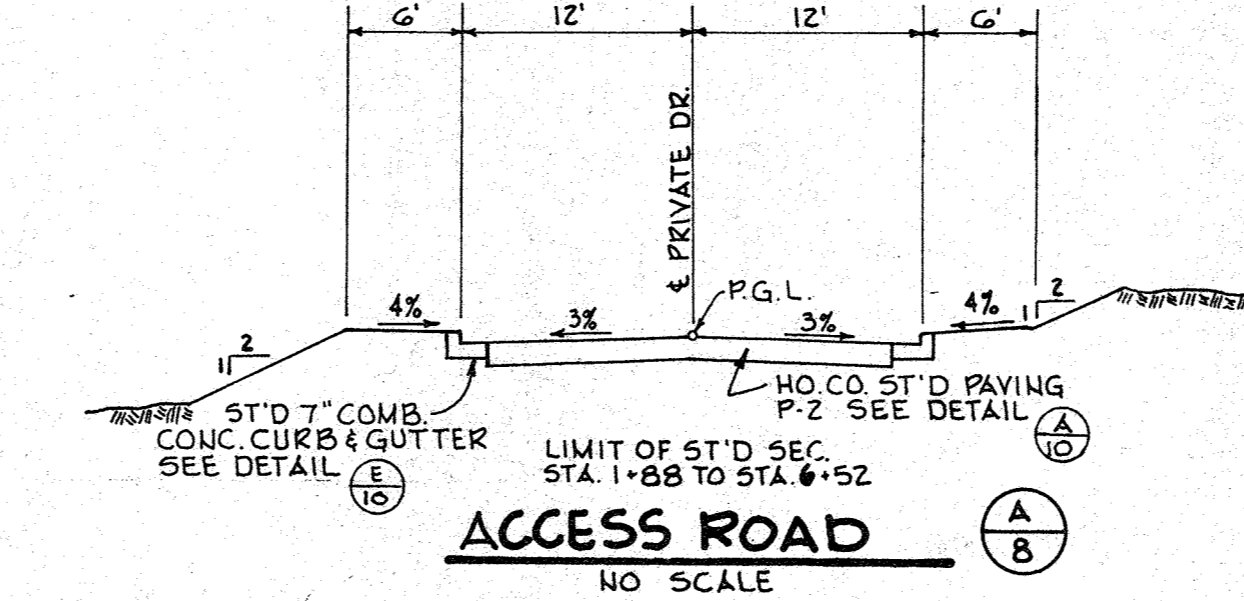


**FRENCH DRAIN**  
DETAIL  
NO SCALE

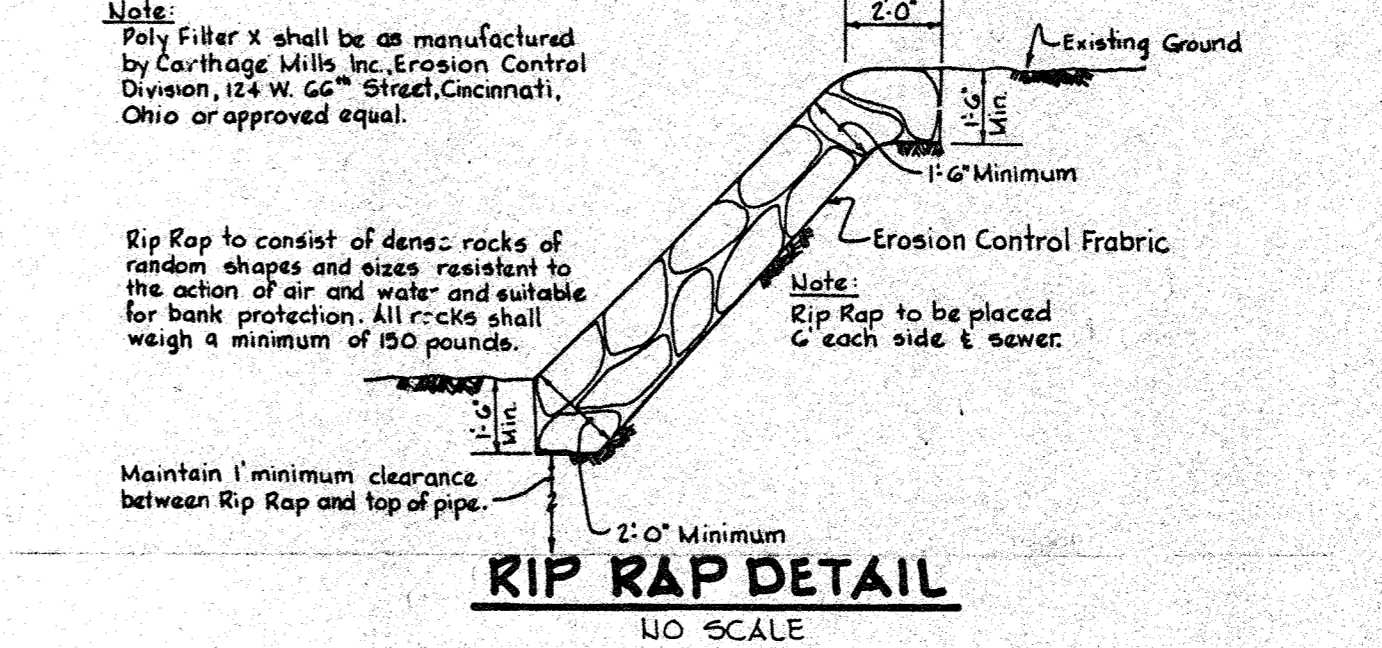
APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 8-1-85



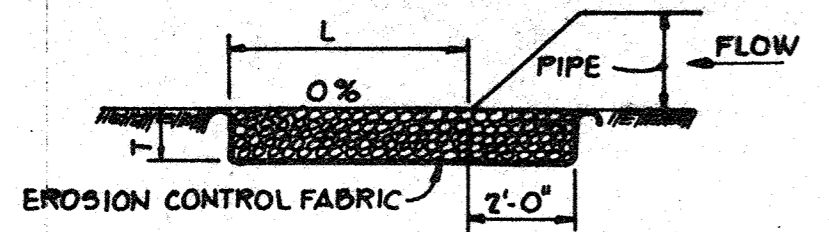
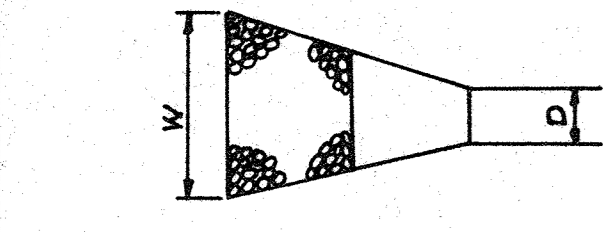
**STONE FILTER INLET PROTECTION**  
NO SCALE



**ACCESS ROAD**  
NO SCALE

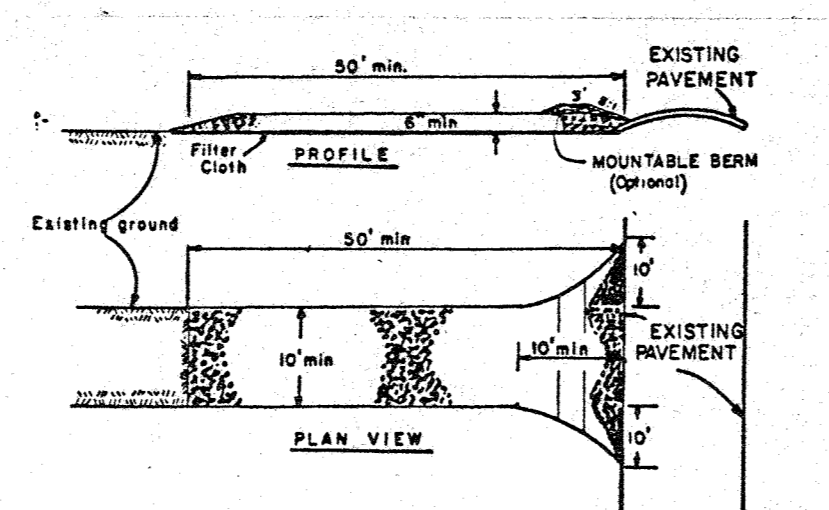


**RIP RAP DETAIL**  
NO SCALE

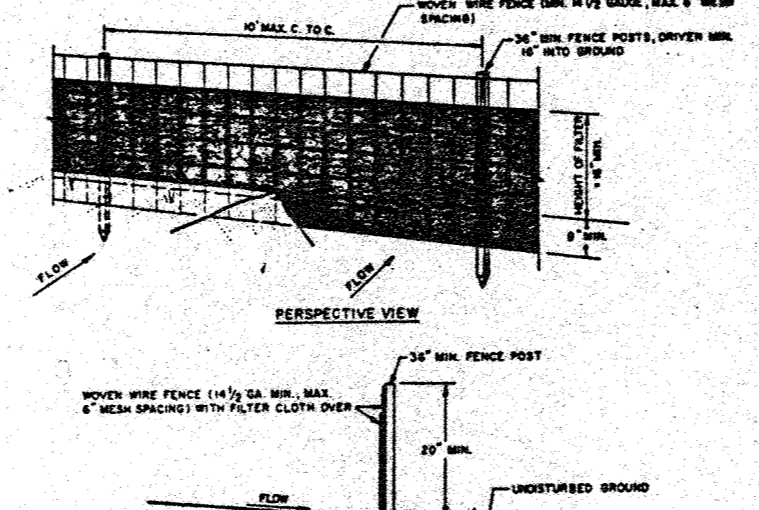


STRUCTURE	MEDIUM STONE DIA.	LENGTH (L)	WIDTH (W)	THICKNESS (T)
E-1	.40'	12'	13.50'	.75'
E-2	.28'	8'	9.25'	.75'

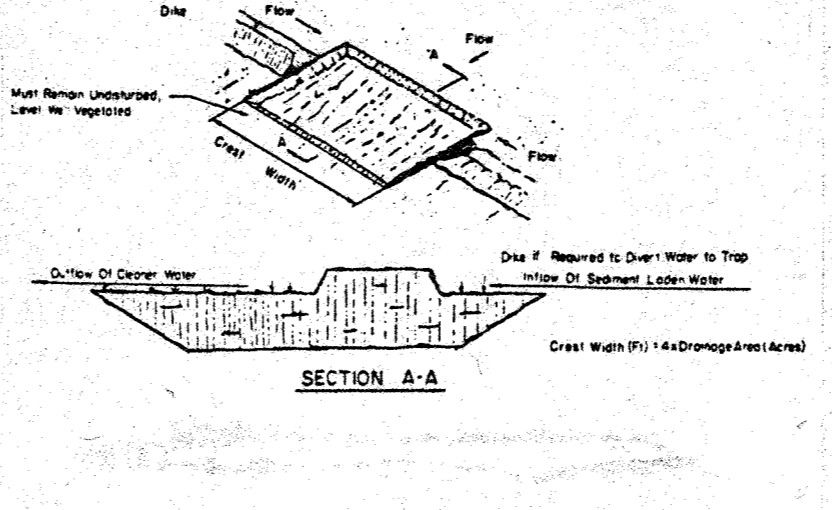
**OUTLET PROTECTION**  
NO SCALE



**STABILIZED CONSTRUCTION ENTRANCE**  
NO SCALE



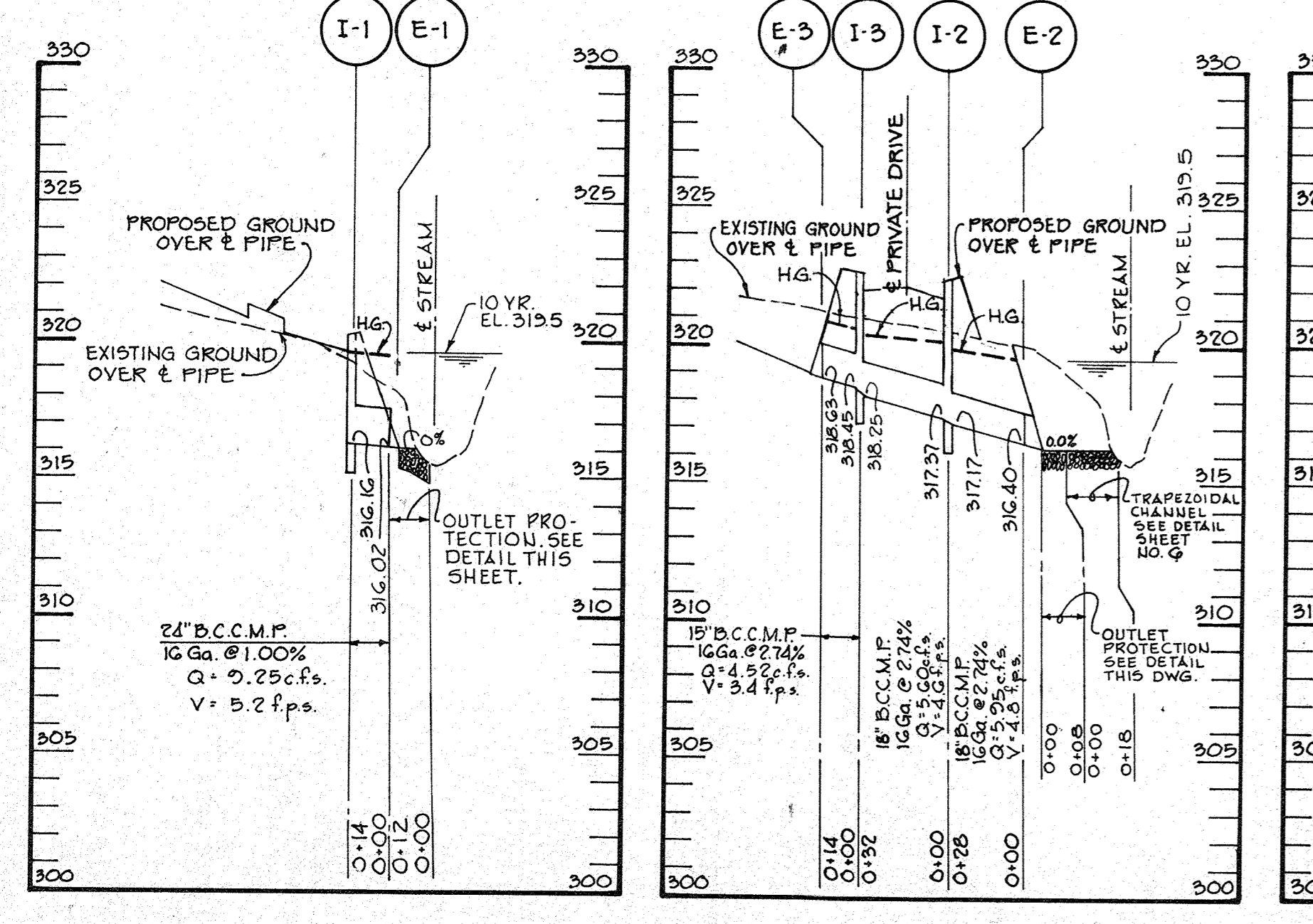
**SILT FENCE**  
NO SCALE



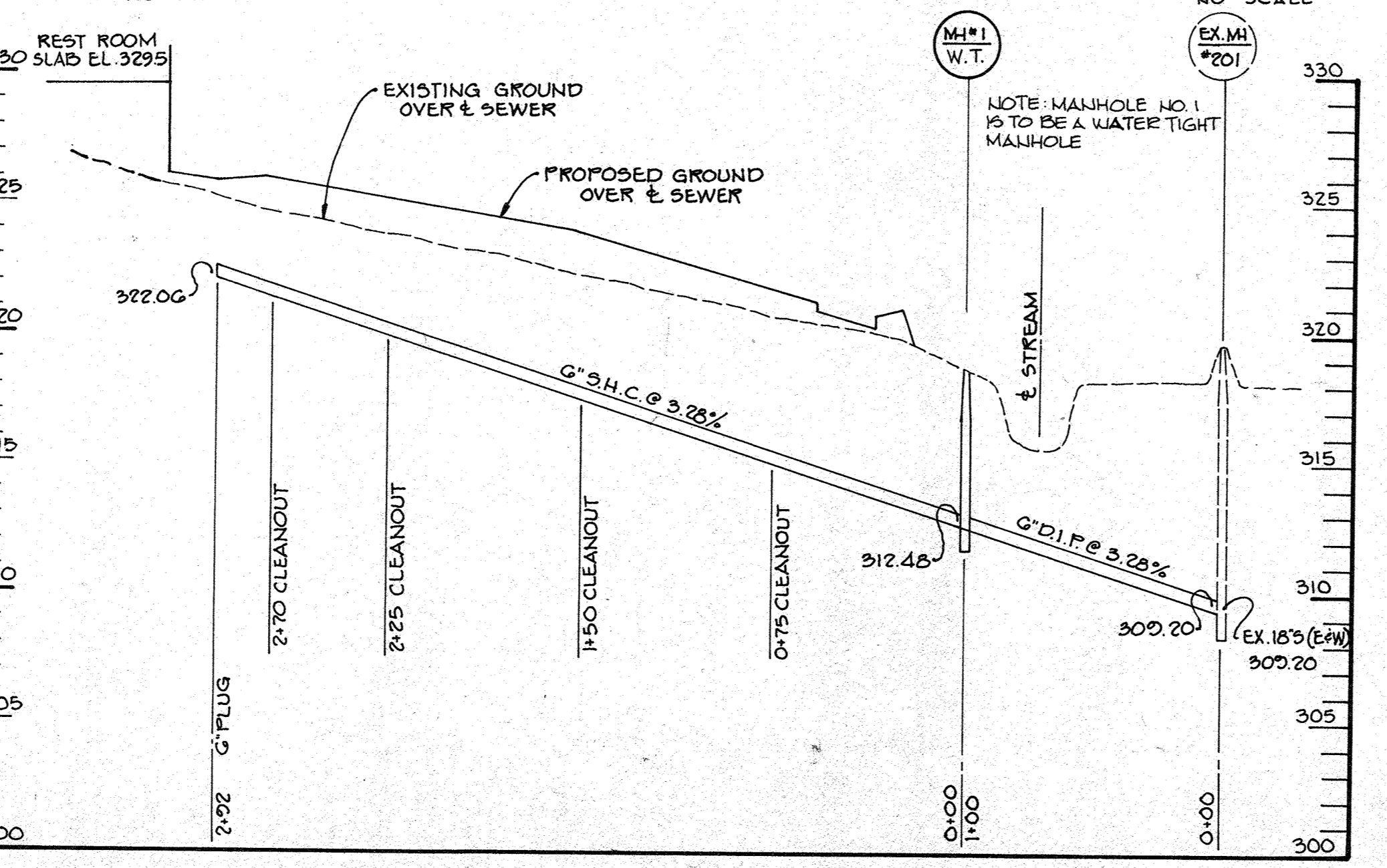
**GRASS OUTLET SEDIMENT TRAP**  
NO SCALE



**HANDICAP PARKING SIGN**  
NO SCALE

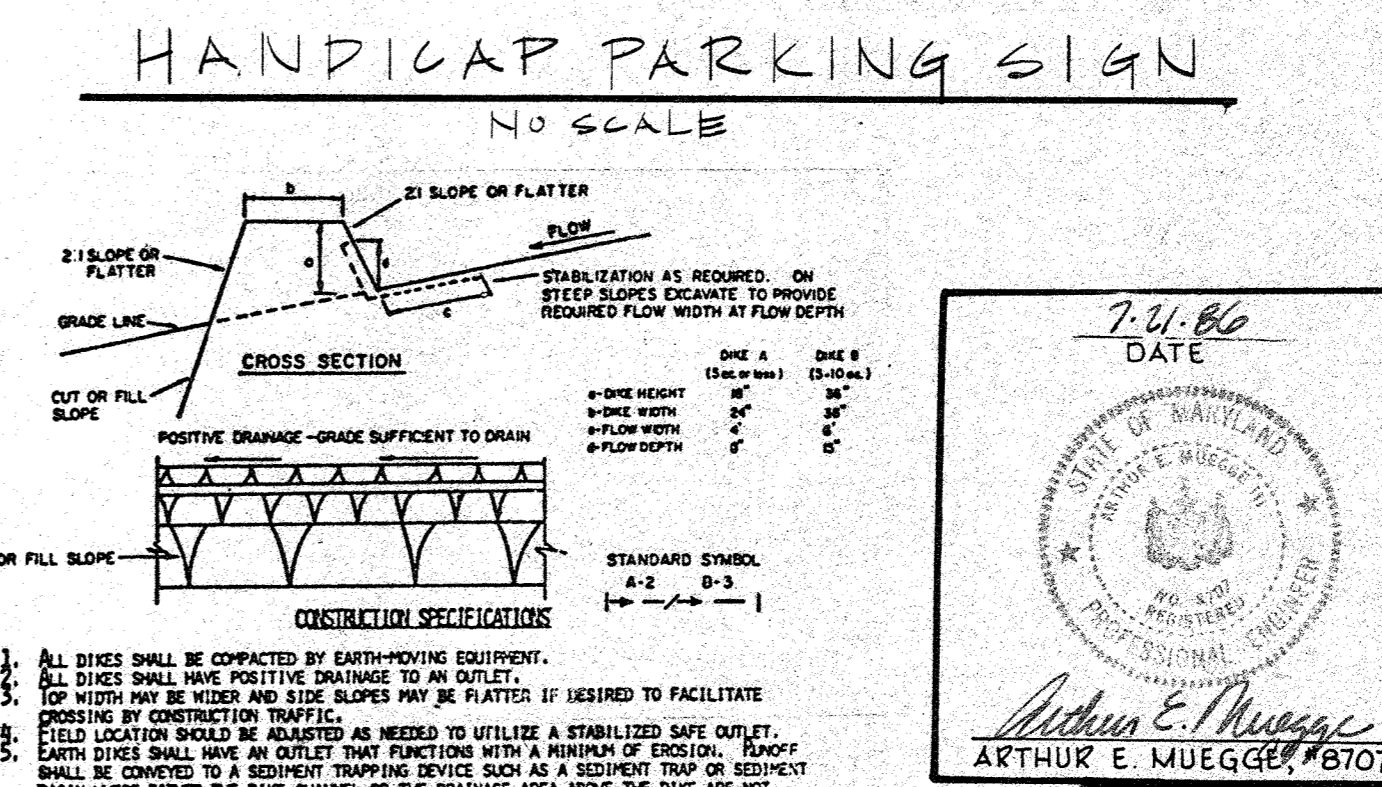


**PROFILES** SCALE: HORIZ. - 1"=50'  
VERT. - 1"=5'



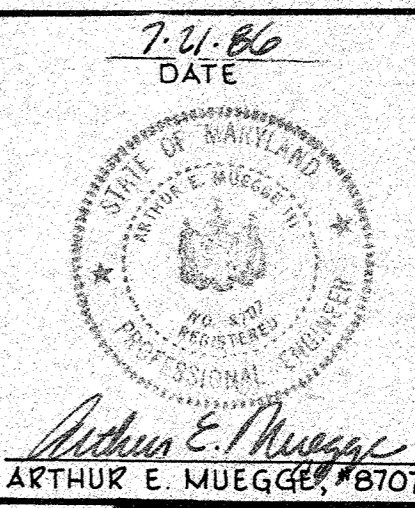
**EARTH DIKE**  
NO SCALE

- CONSTRUCTION SPECIFICATIONS FOR ST-11**
- Volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage area.
  - Minimum crest width shall be 4 X Drainage Area.
  - Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
  - The structure shall be inspected after each rain and repairs made as needed.
  - Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized when the remaining drainage area has been properly stabilized.
  - The sediment trap shall be removed and area stabilized when the remaining drainage area has been properly stabilized.
  - All cut slopes shall be 1:1 or flatter.

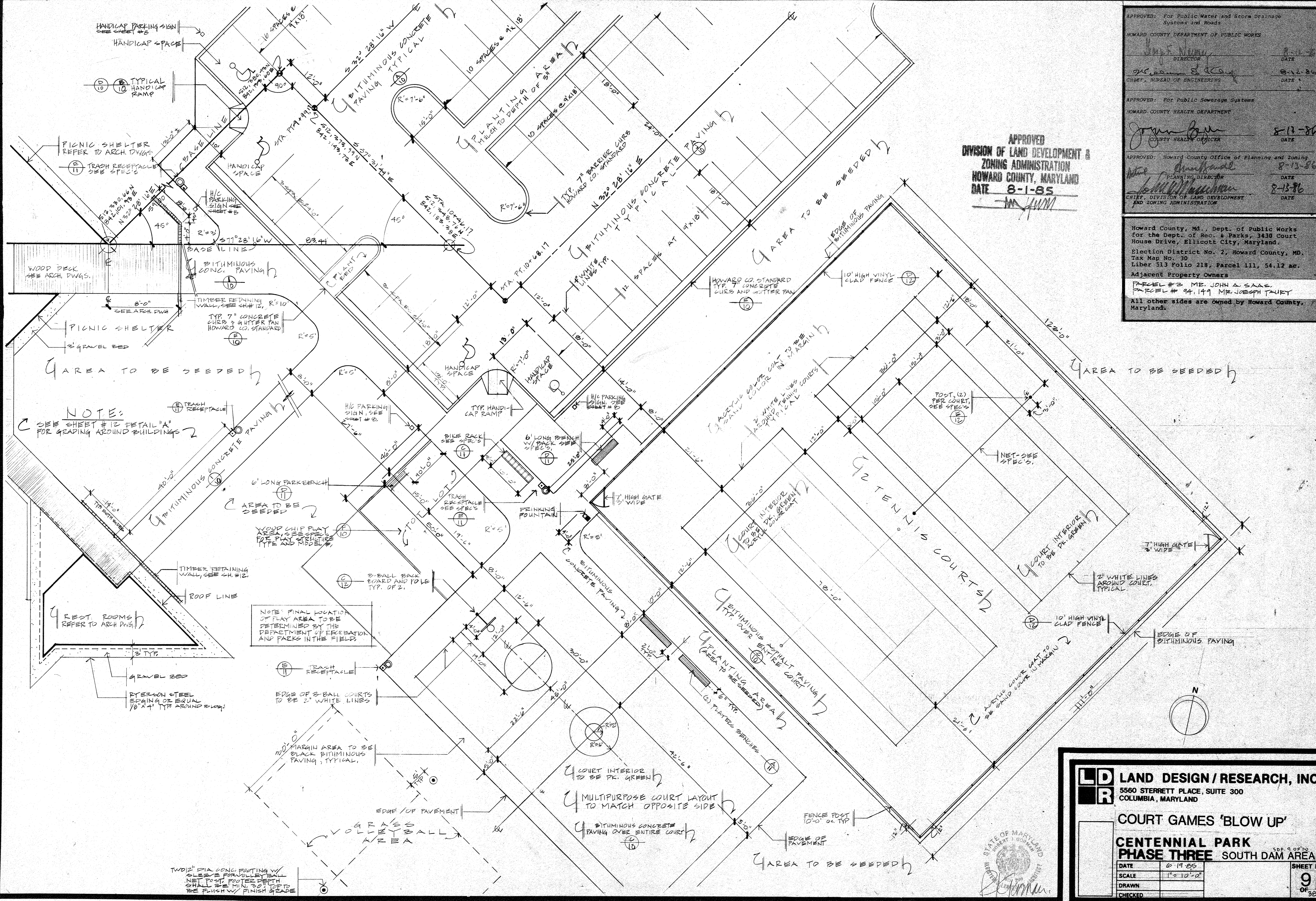


**EARTH DIKE**  
NO SCALE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.  
 COUNTY HEALTH OFFICER: *John J. ...* DATE: 8-13-86  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.  
 PLANNING DIRECTOR: *...* DATE: 8-13-86  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *...* DATE: 8-13-86  
 APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *...* DATE: 8-12-86  
 CHIEF, BUREAU OF ENGINEERING: *...* DATE: 8-12-86  
 BY THE DEVELOPER:  
 I, WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.  
 DEVELOPER: *Kenneth E. ...* DATE: 8-12-86  
 BY THE ENGINEER:  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 ENGINEER: *Arthur E. Muegge* DATE: 10-27-84  
 REVIEWED FOR: *Howard* NAME: S.C.D.  
 AND MEETS TECHNICAL REQUIREMENTS  
 U.S. SOIL CONSERVATION SERVICE DATE: 8/19/86  
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 HOWARD S.C.D. DATE: 8-14-86



**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND  
**THE RIEMER GROUP, INC.**  
 3105 NORTH HARBOR DRIVE, ELLESBETT CITY, MO. 65116  
**CENTENNIAL PARK PHASE THREE SOUTH DAM AREA**  
 DATE: 8-11-85  
 SCALE: AS SHOWN  
 DRAWN: SEDIMENT EROSION CONTROL  
 CHECKED: 8 OF 38  
 SDP 8 of 10  
 SDP 86-02



APPROVED: For Public Water and Storm Drainage Systems and Roads  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 [Signature] DIRECTOR DATE 8-13-86  
 [Signature] CHIEF, BUREAU OF ENGINEERING DATE 8-13-86

APPROVED: For Public Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
 [Signature] COUNTY HEALTH OFFICER DATE 8-13-86

APPROVED: Howard County Office of Planning and Zoning  
 [Signature] PLANNING DIRECTOR DATE 8-13-86  
 [Signature] CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE 8-13-86

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 8-1-85  
 [Signature]

Howard County, Md., Dept. of Public Works  
 for the Dept. of Rec. & Parks, 3430 Court  
 House Drive, Ellicott City, Maryland.  
 Election District No. 2, Howard County, MD.  
 Tax Map No. 30  
 Liber 513 Folio 218, Parcel 111, 54.12 ac.  
 Adjacent Property Owners  
 PARCEL # 2 MR. JOHN A. SAAS  
 PARCEL # 94, 149 MR. JOSEPH TAURY  
 All other sides are owned by Howard County,  
 Maryland.

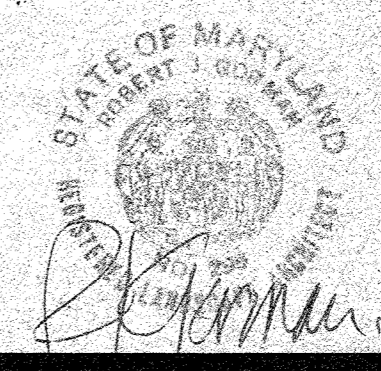
**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND

**COURT GAMES 'BLOW UP'**

**CENTENNIAL PARK  
 PHASE THREE SOUTH DAM AREA**

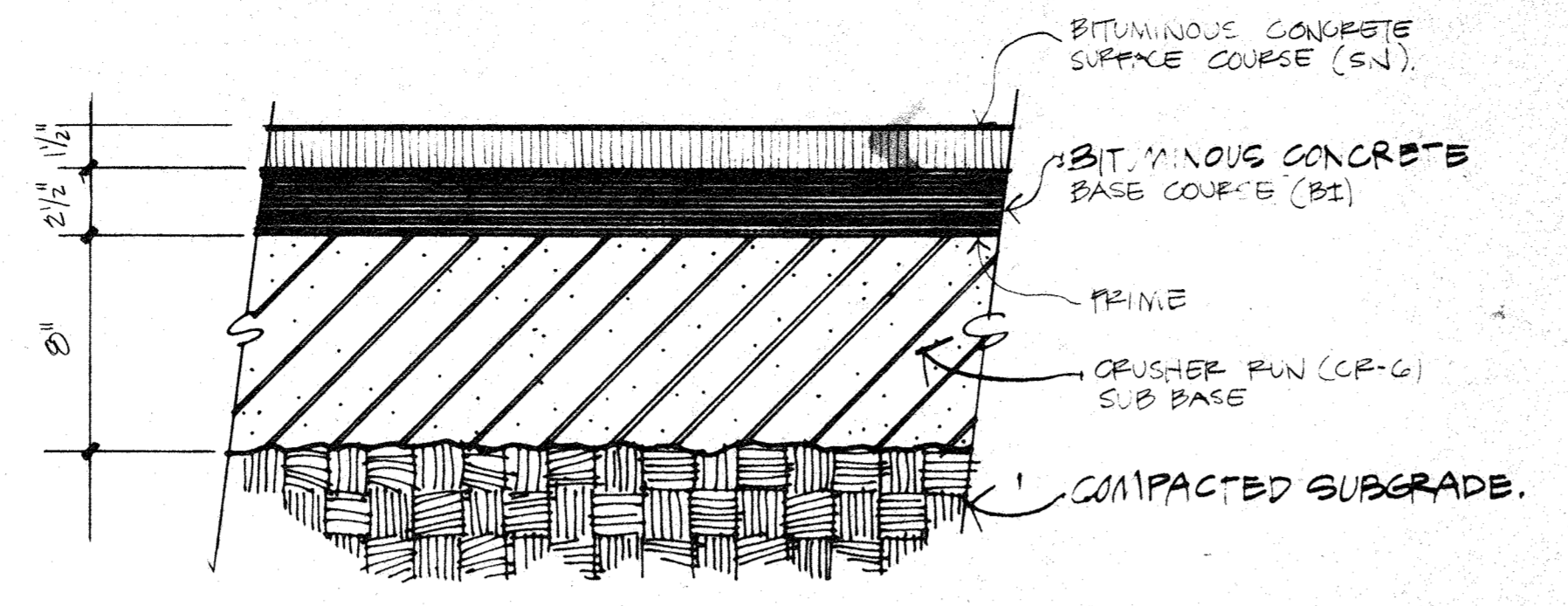
DATE 6-19-85  
 SCALE 1" = 10'-0"  
 DRAWN  
 CHECKED

SDP-86-02

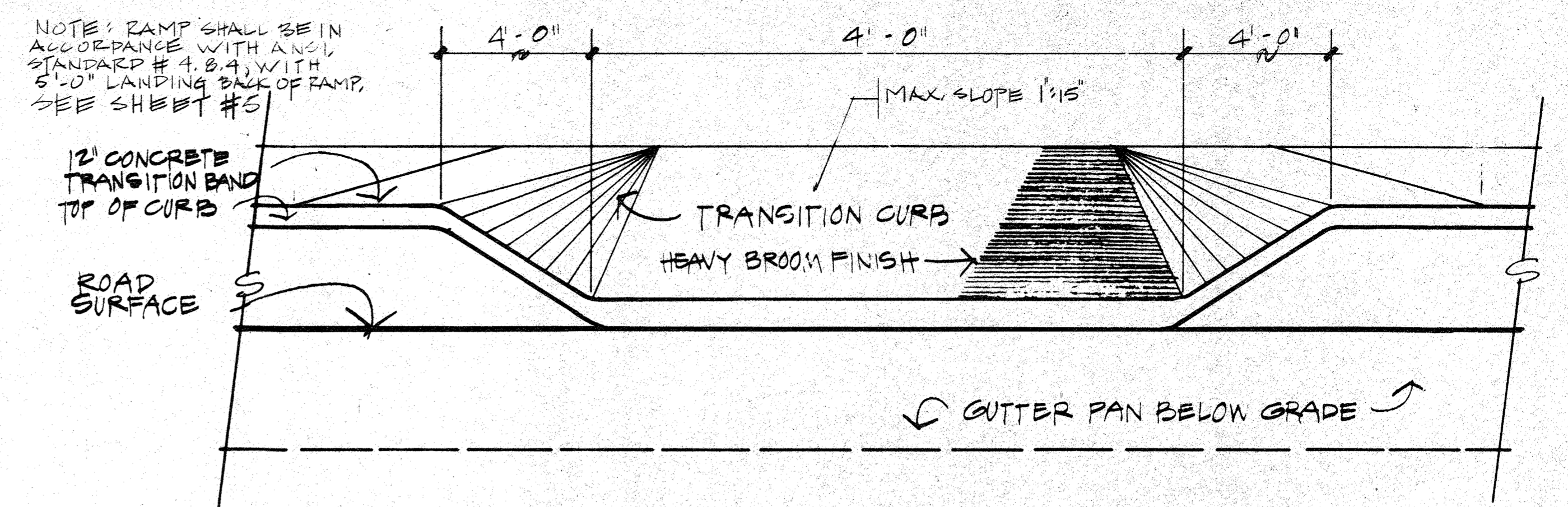


APPROVED: For public Water, Drainage Systems and Roads and Storm  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR DATE 8-12-86  
 CHIEF, BUREAU OF ENGINEERING DATE 8-12-86  
 APPROVED: For public Water and private Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER DATE 8-13-86  
 APPROVED: Howard County Office of Planning and Zoning  
 PLANNING DIRECTOR DATE 8-13-86  
 CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. DATE 8-13-86

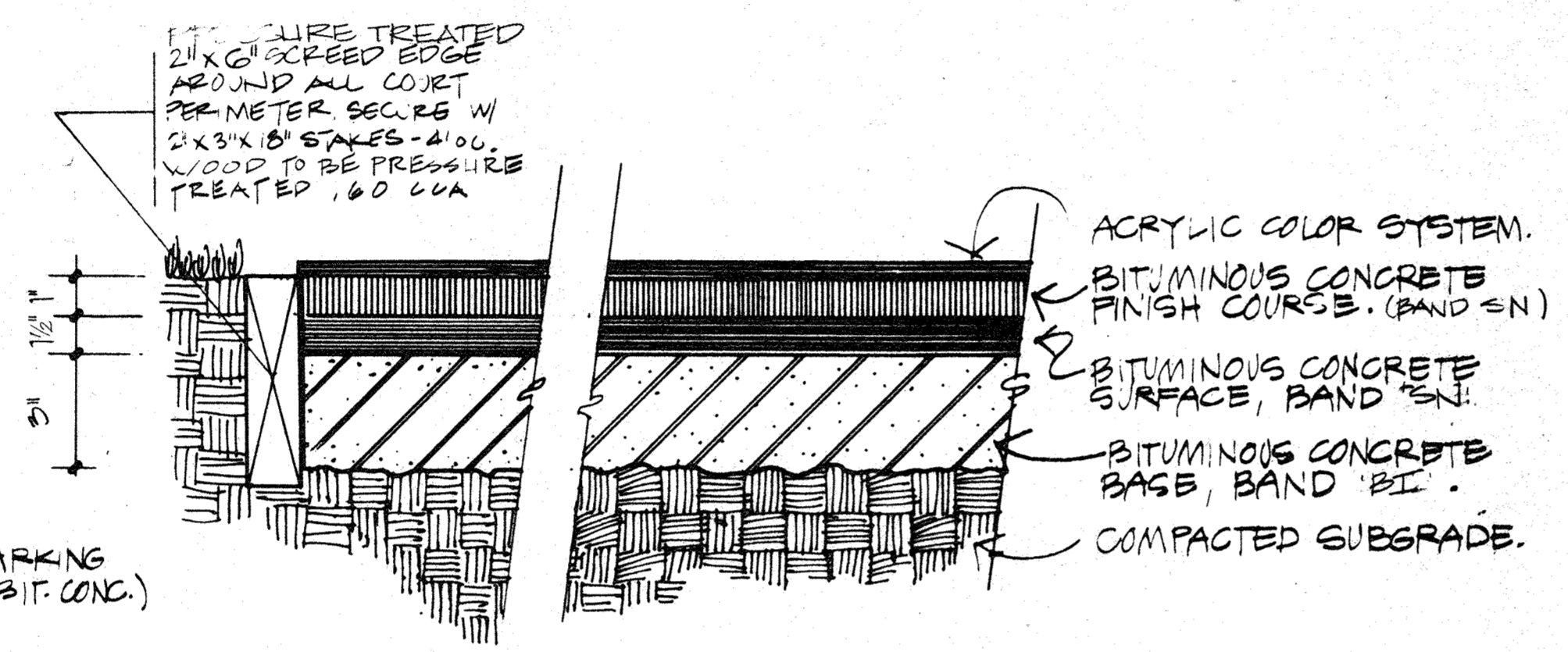
Howard County, Md., Dept. of Public Works  
 for the Dept. of Rec. & Parks, 3430 Court  
 House Drive, Ellicott City, Maryland.  
 Election District No. 2, Howard County, MD.  
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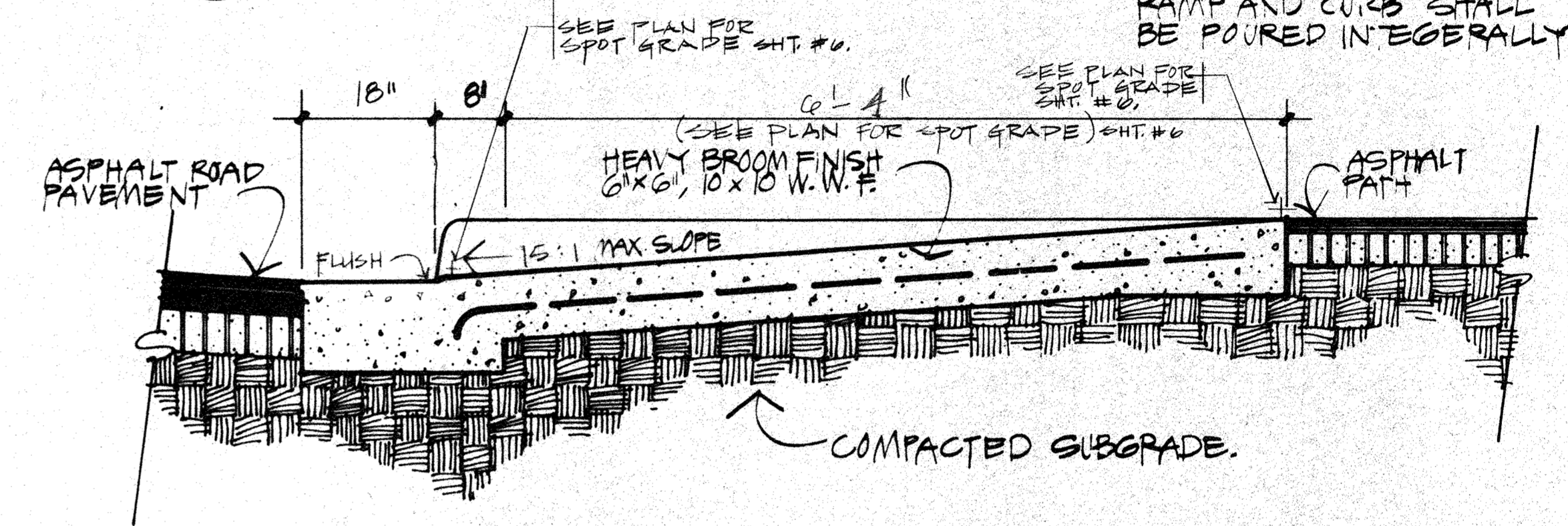
**A ROADWAY PAVEMENT - STAND. P-2**  
 NO SCALE:



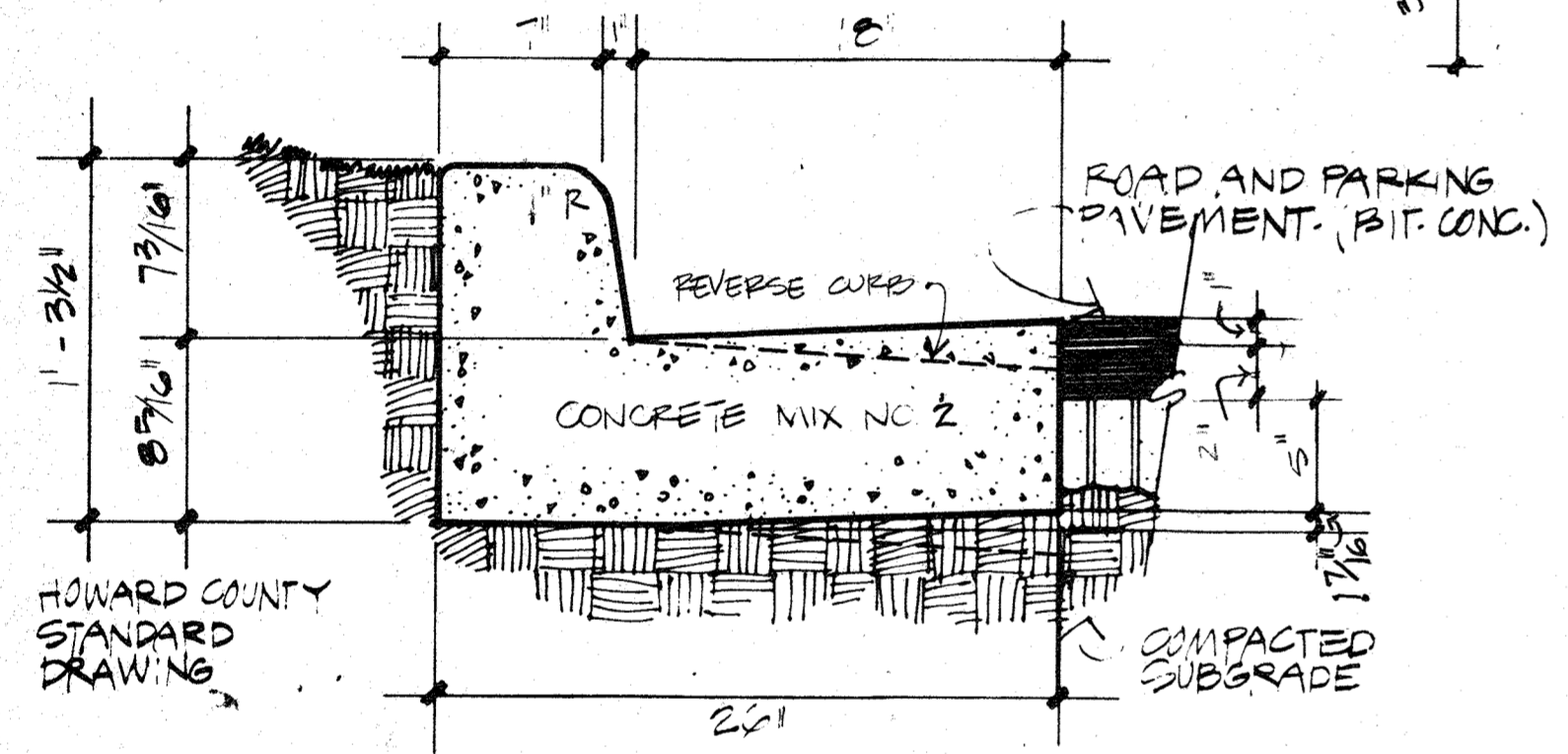
**B FRONT ELEVATION HANDIGAPPED RAMP**  
 NO SCALE:



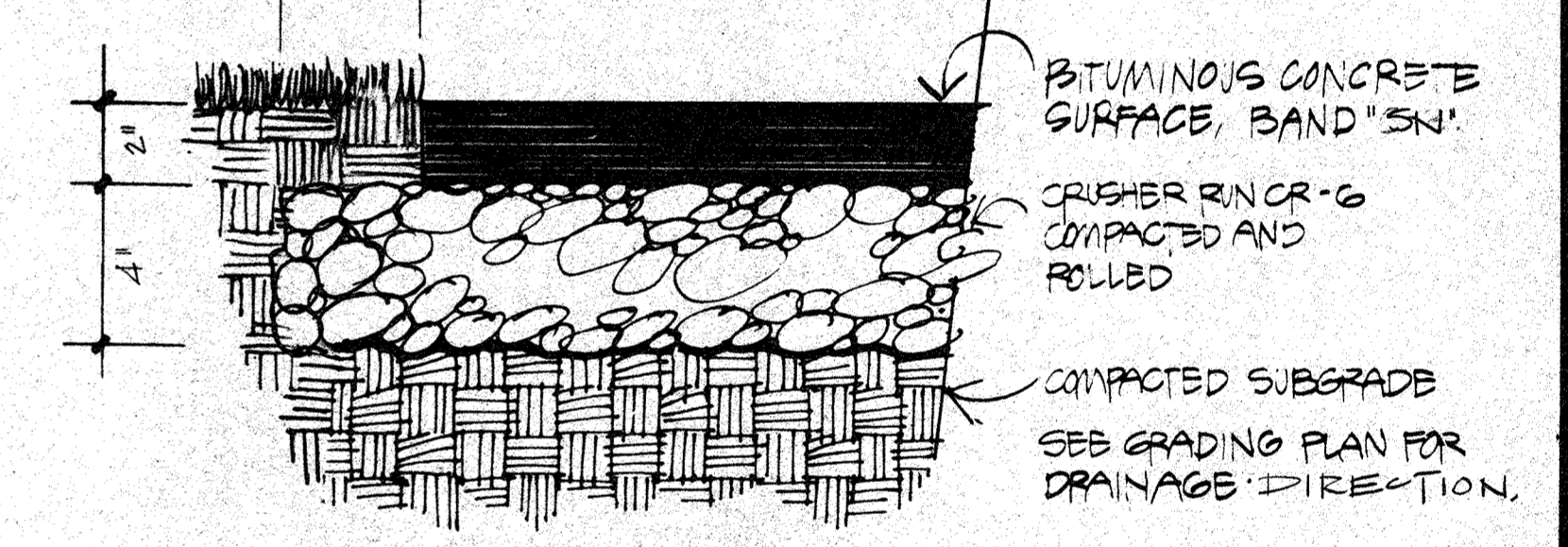
**C COURT GAMES PAVEMENT**  
 NO SCALE



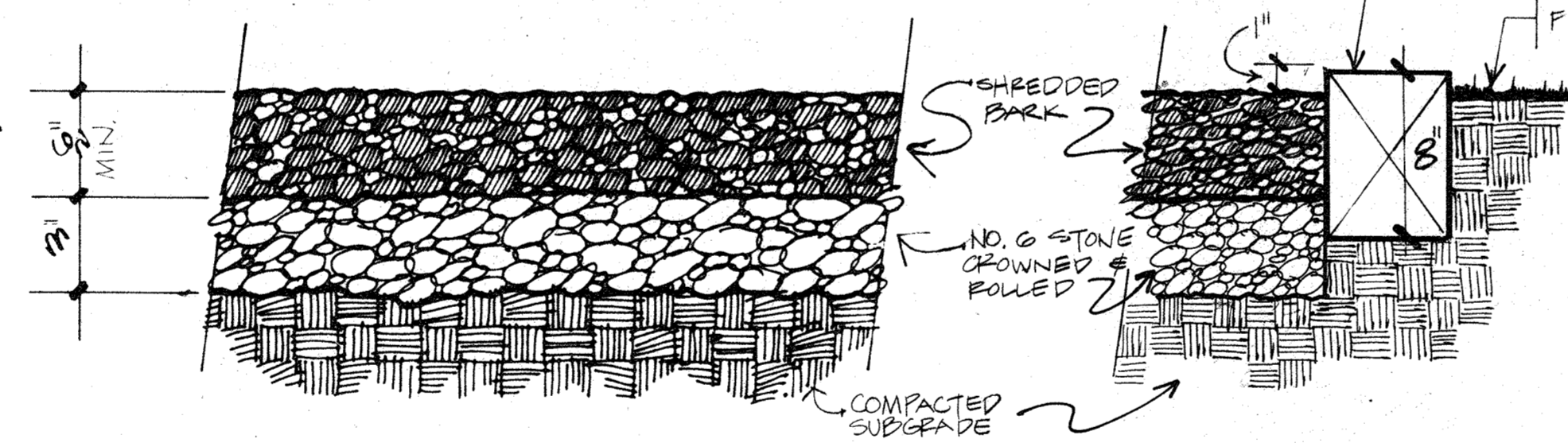
**D SECTION - HANDIGAPPED RAMP**  
 SCALE 1" = ONE FOOT.



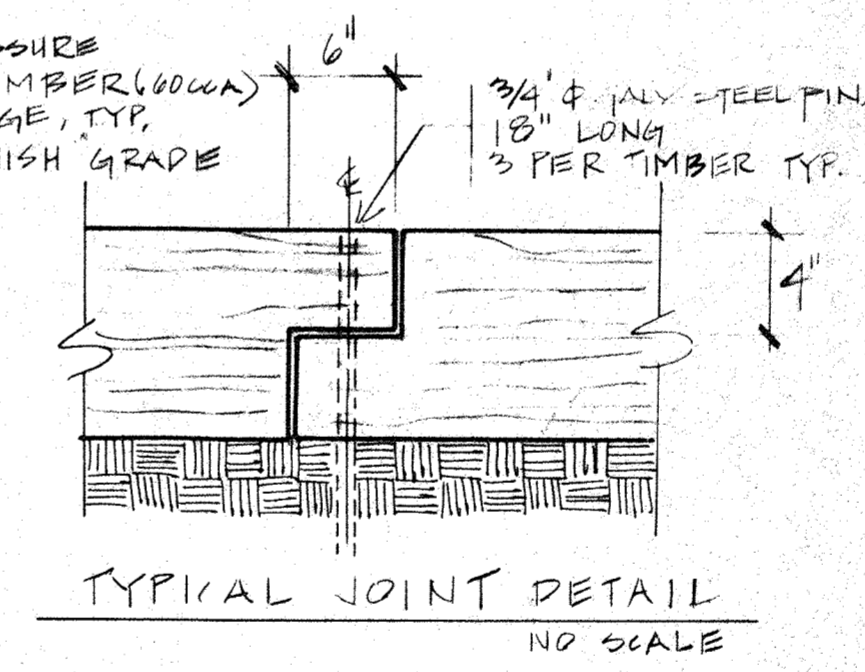
**E STANDARD 7" COMBINATION CURB AND GUTTER**  
 SCALE 1/2" = ONE FOOT. (HO. CO. STANDARD R-3.01)



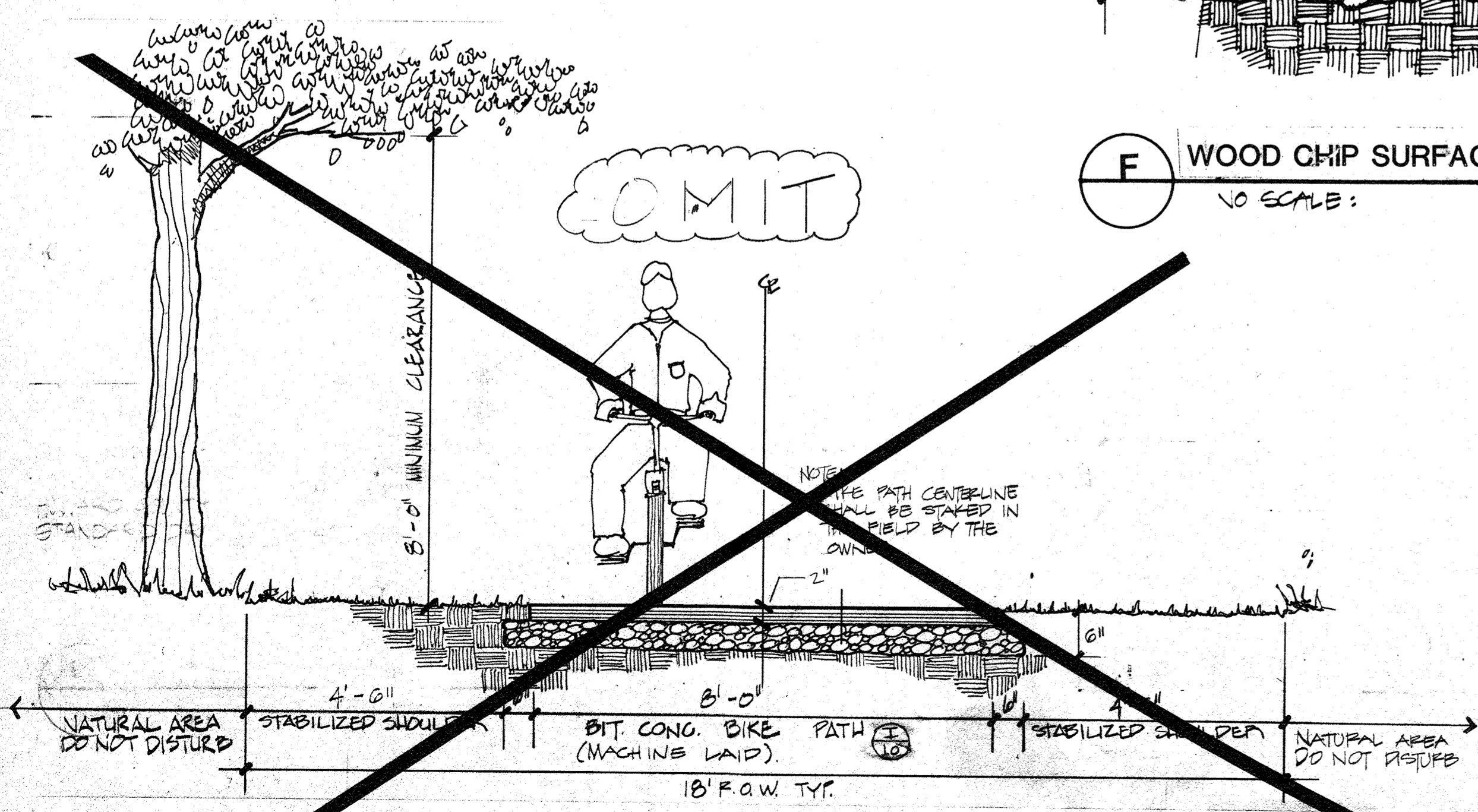
**I PATHWAY PAVEMENT**  
 NO SCALE:



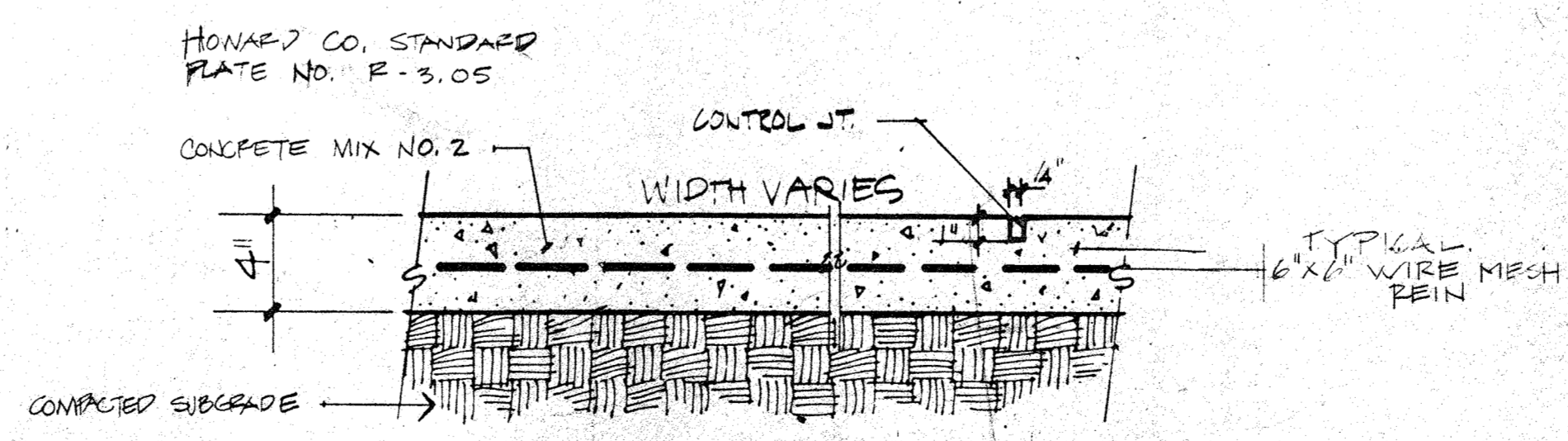
**F WOOD CHIP SURFACING-PLAY AREAS ONLY**  
 NO SCALE:



TYPICAL JOINT DETAIL  
 NO SCALE

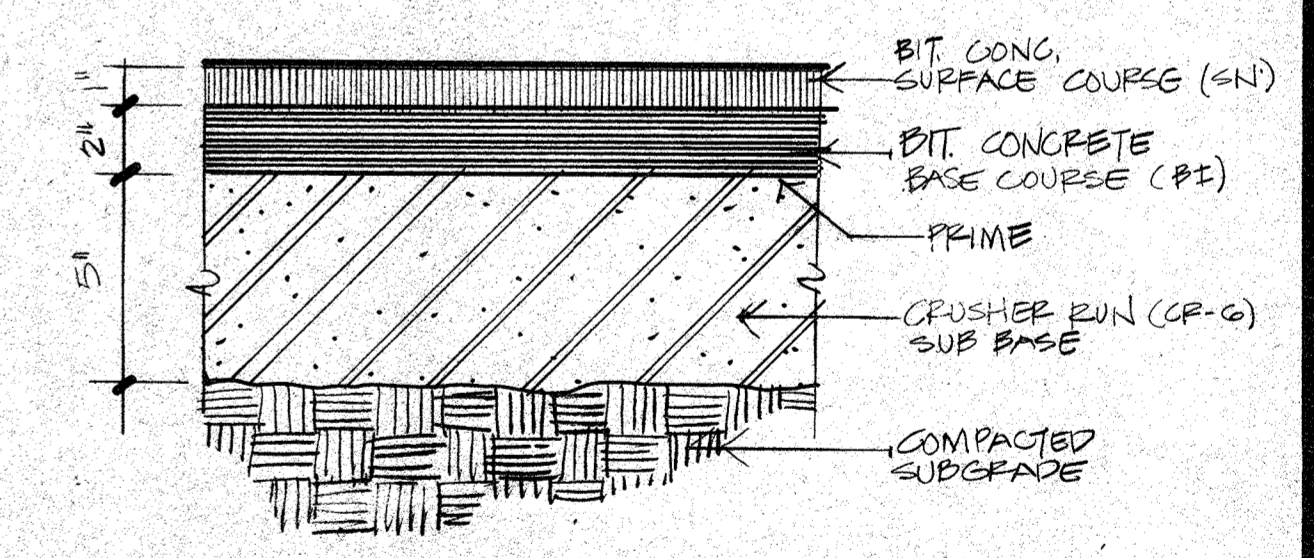


**TYP. BIKE PATH CROSS-SECTION**



**H CONCRETE PAVEMENT**  
 NO SCALE:

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 8-1-88



**PARKING LOT PAVEMENT STAND. P-1**  
 NO SCALE

**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRET PLACE, SUITE 300  
 COLUMBIA, MARYLAND 21044

PAVEMENT DETAILS  
**CENTENNIAL PARK**  
 PHASE THREE - SOUTH DAM AREA

DATE	6-19-88	REVISIONS:	SHEET NO. <b>10</b> OF 38
SCALE	AS NOTED		
DRAWN	NAC		
CHECKED			

SDP-86-02

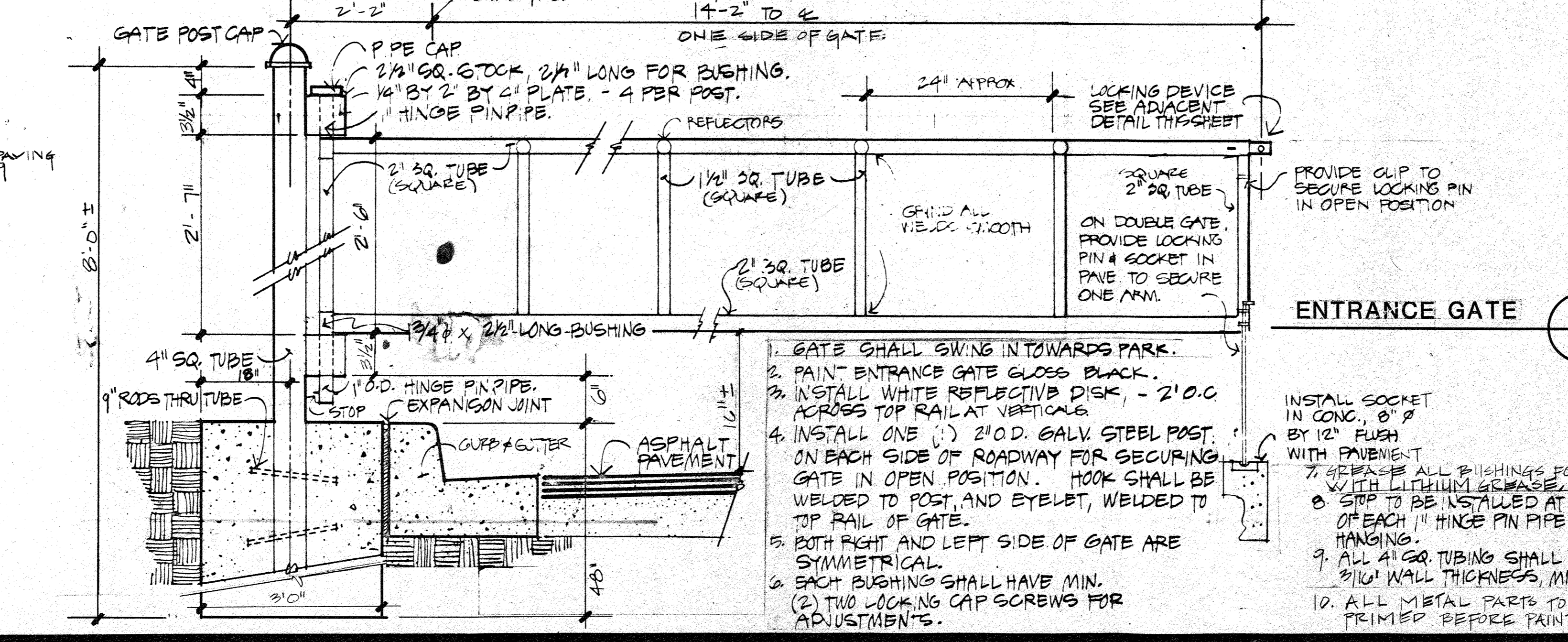
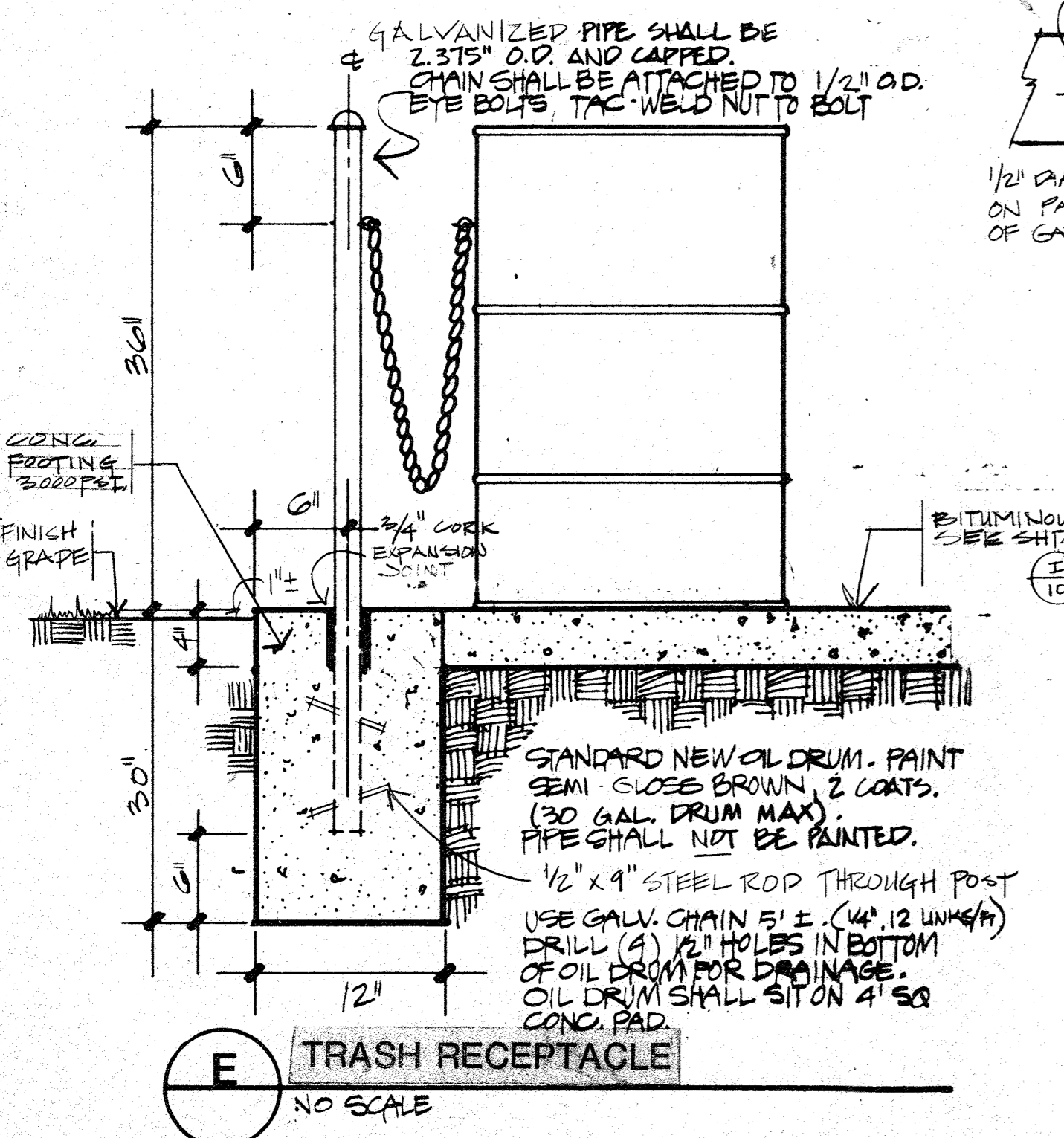
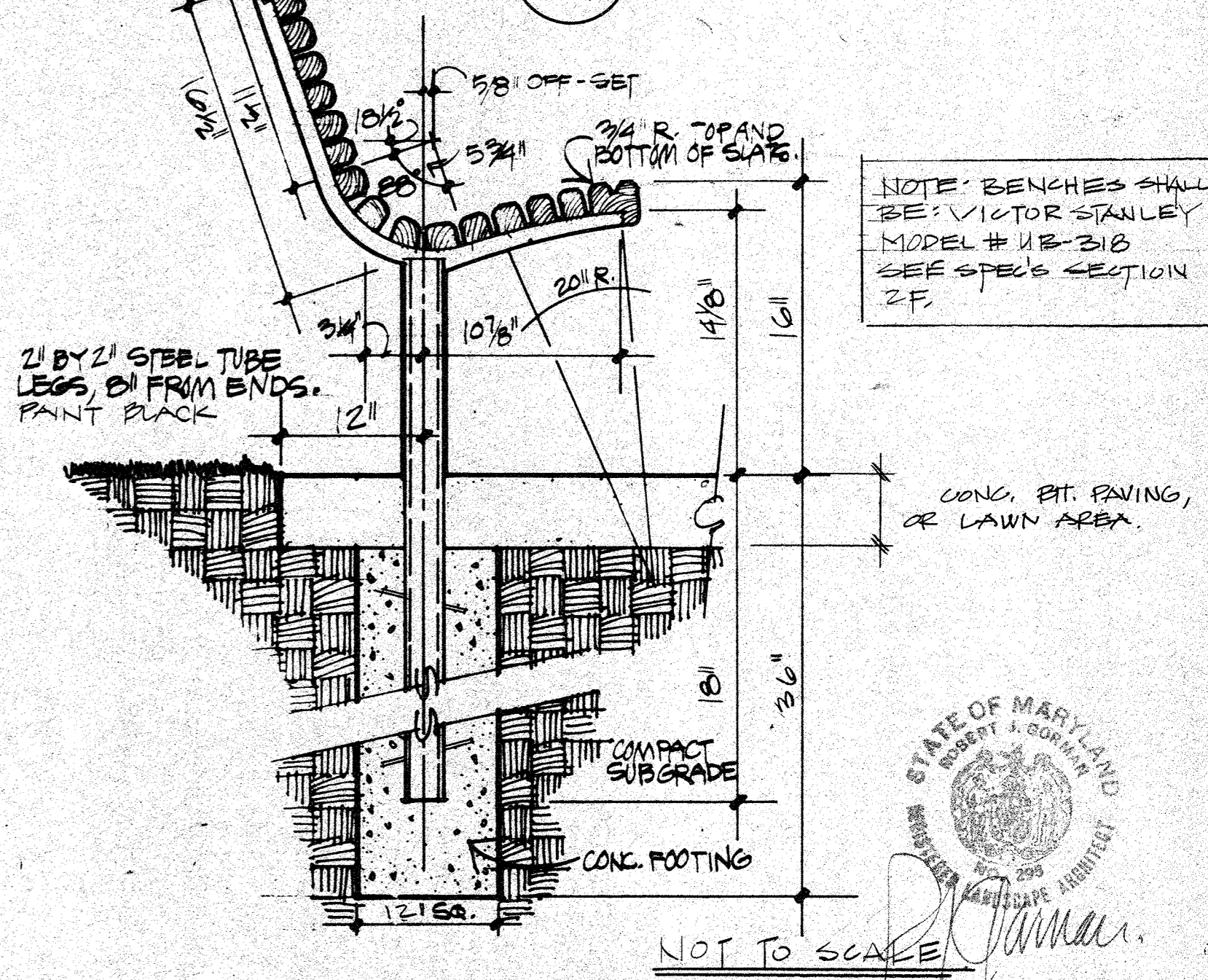
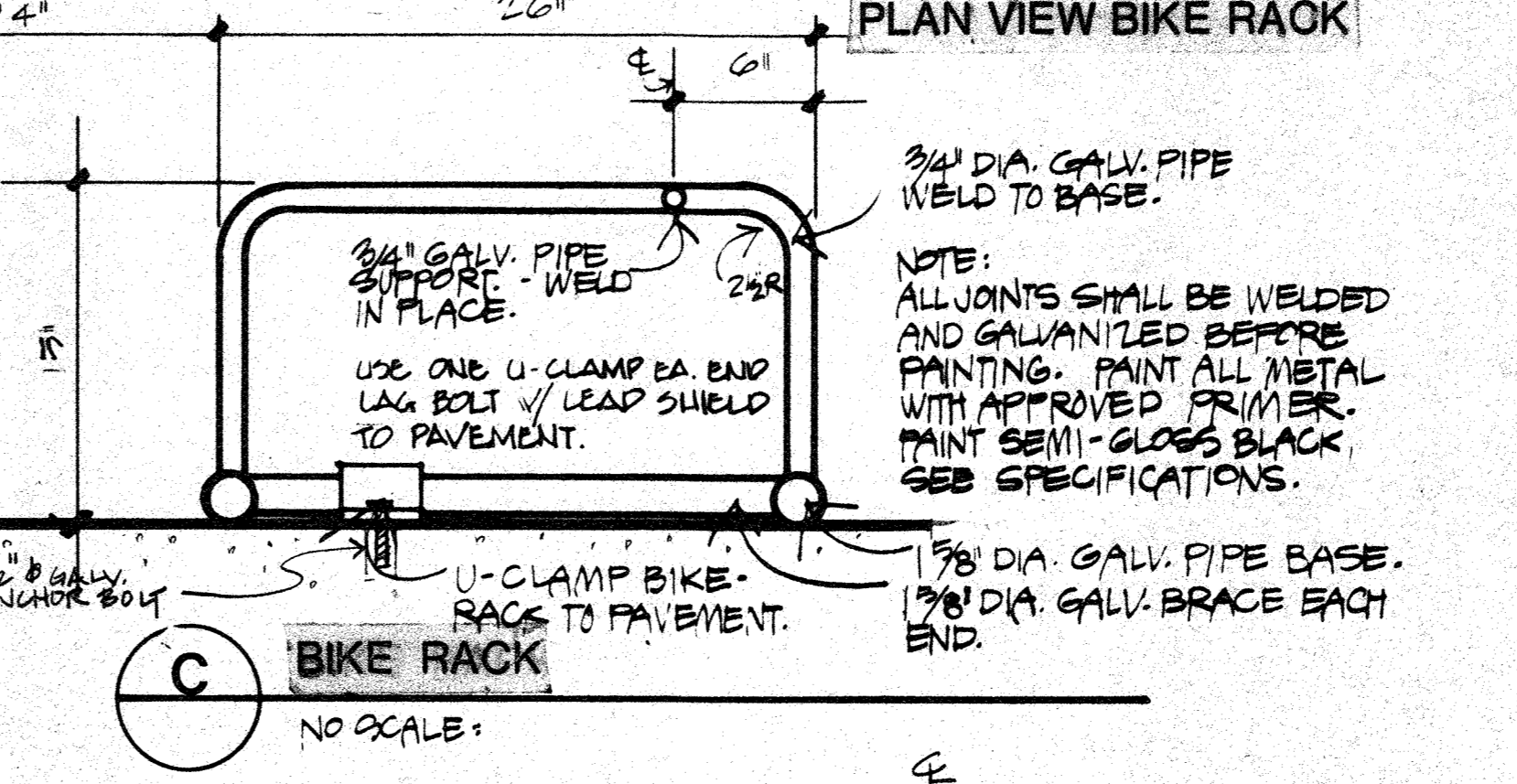
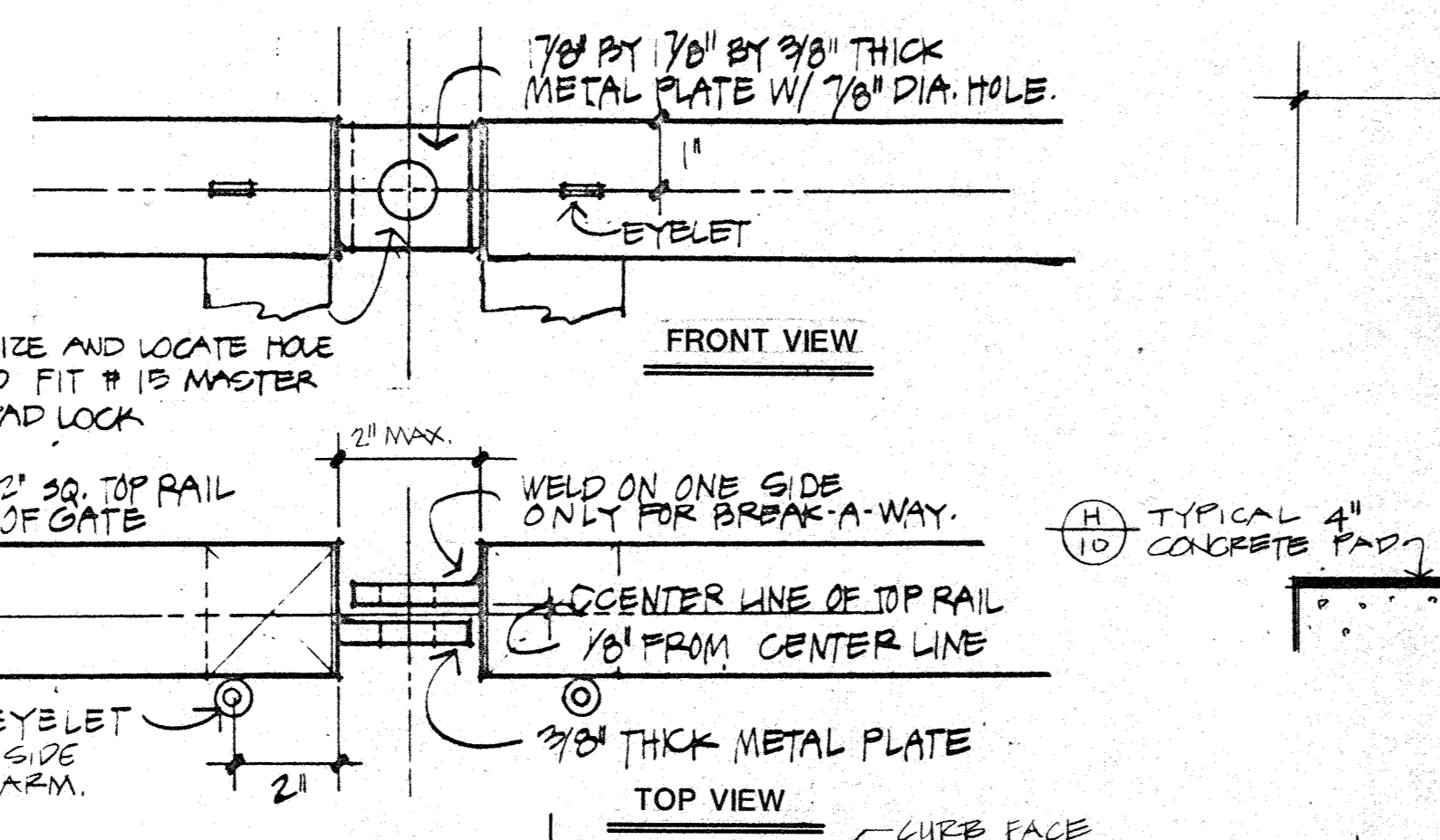
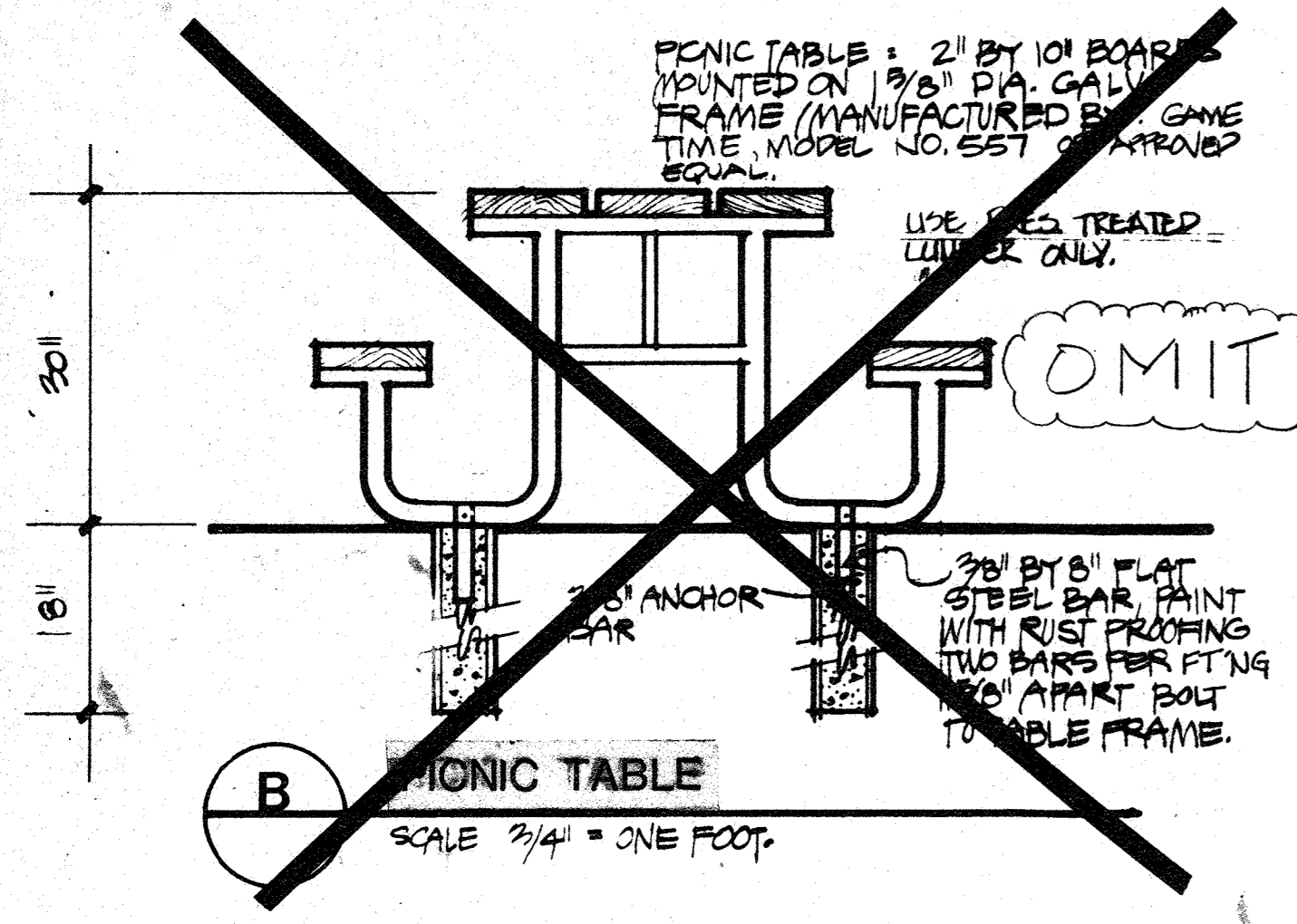
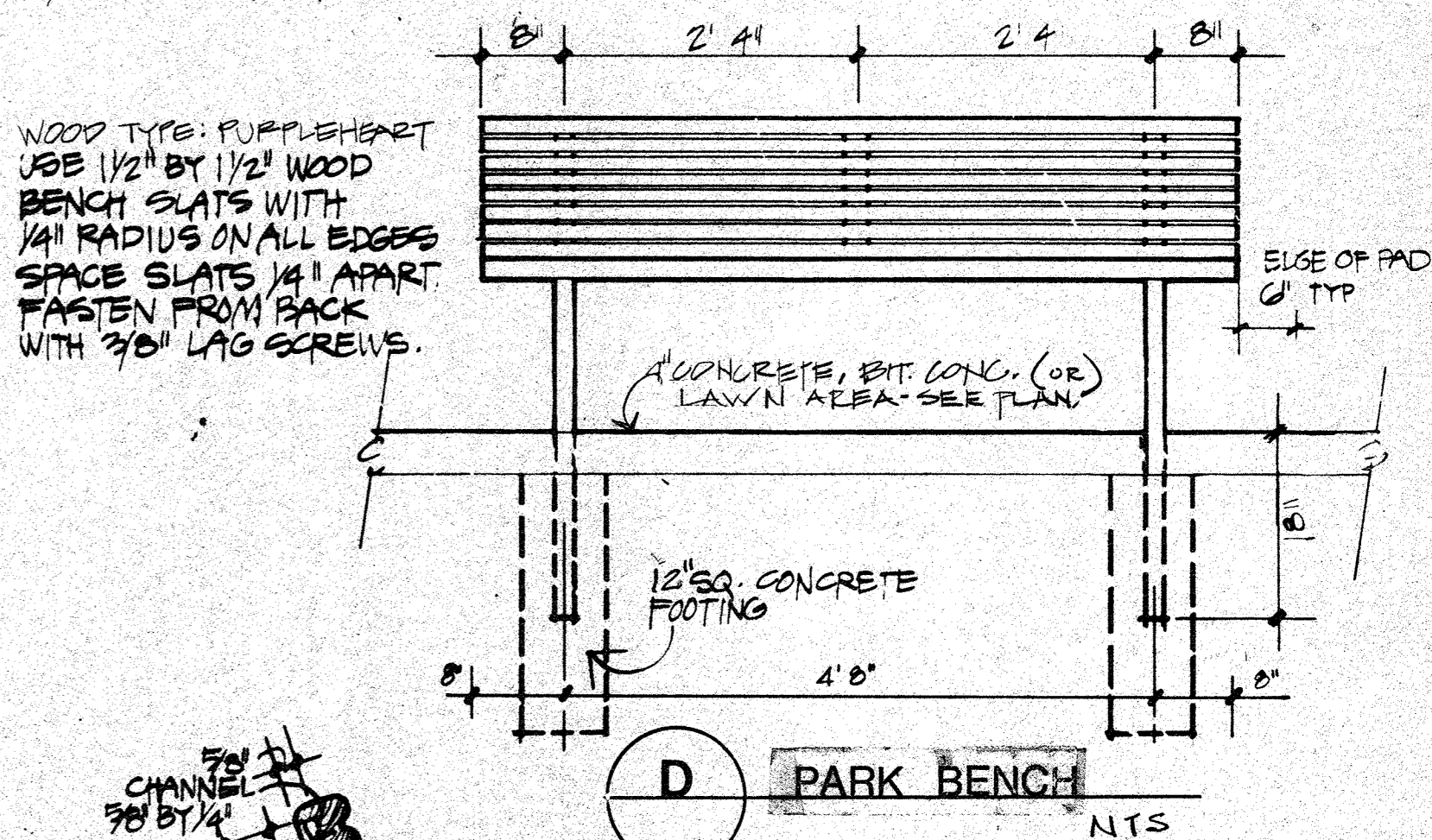
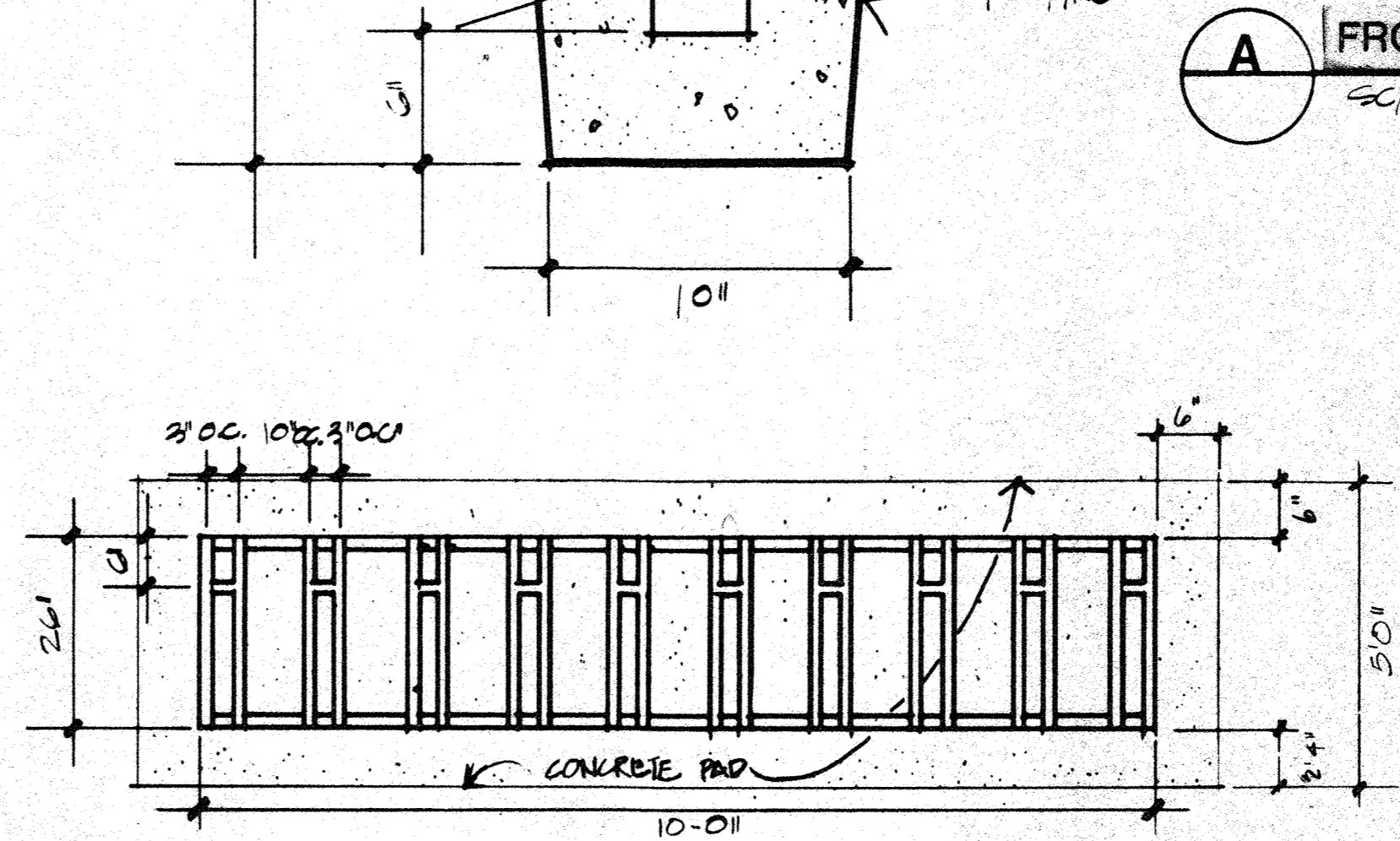
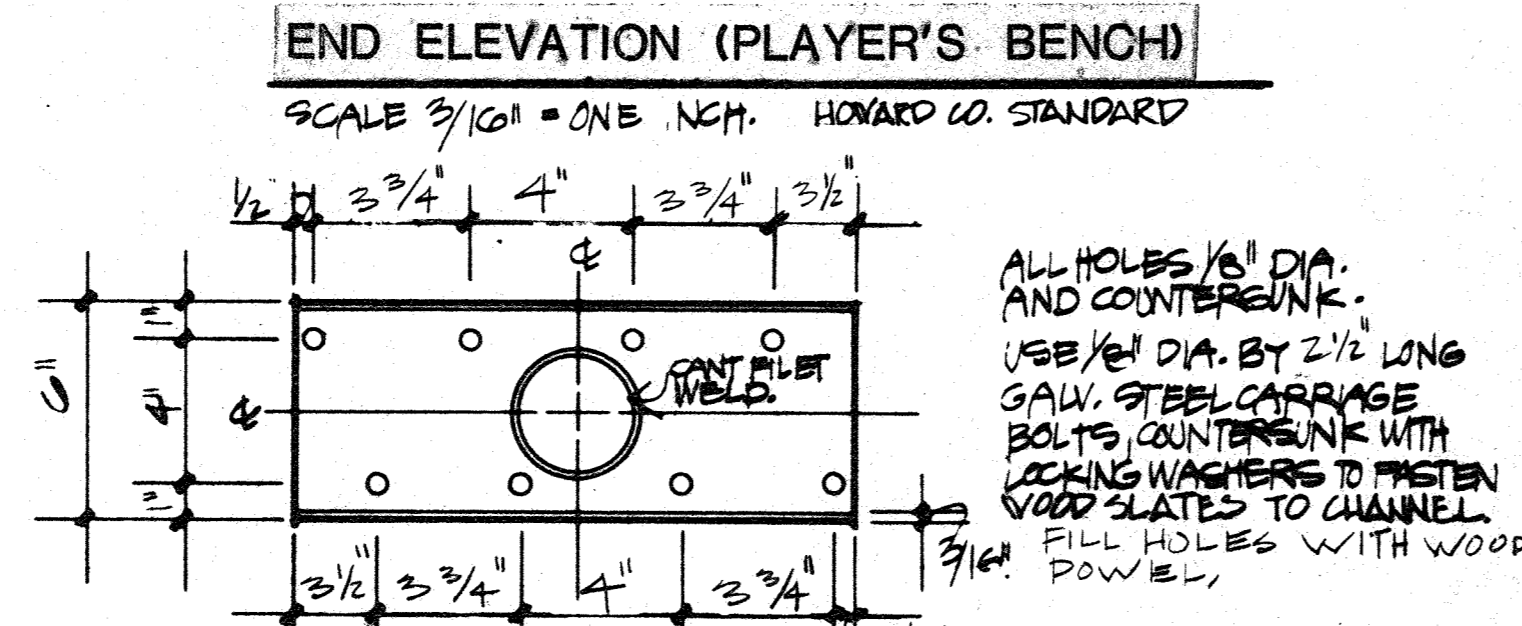
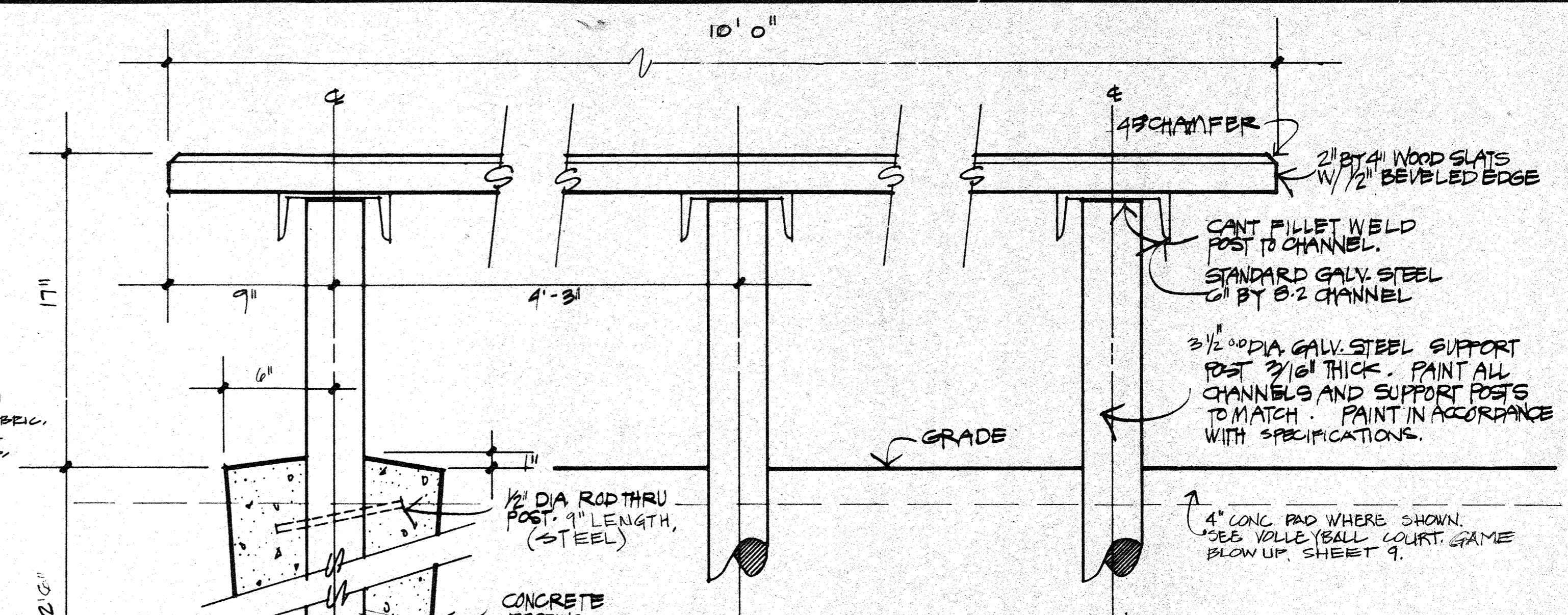
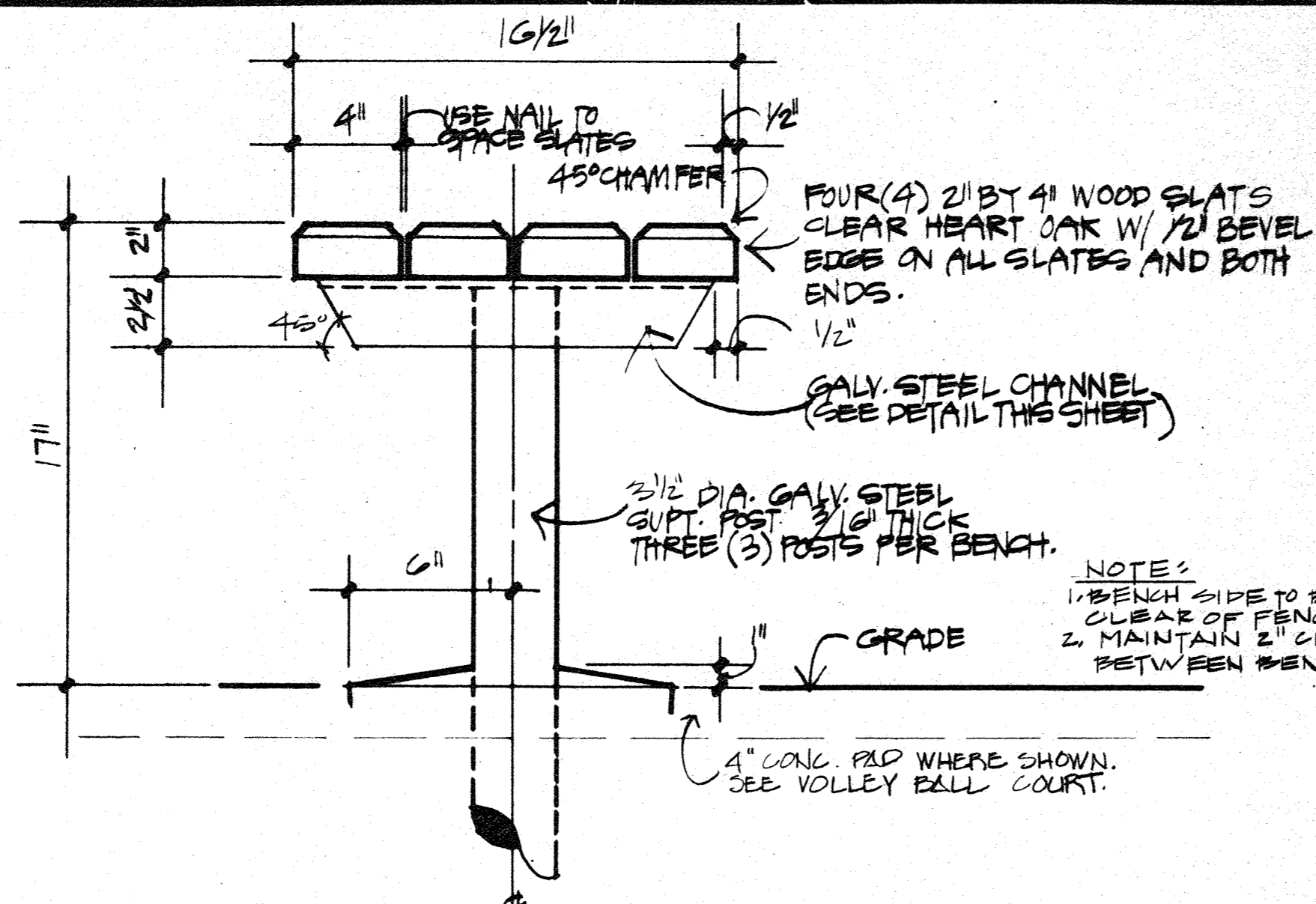


APPROVED: For public Water, Drainage Systems and Roads and Storm  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR DATE 8-12-85  
 CHIEF, BUREAU OF ENGINEERING DATE 8-12-85

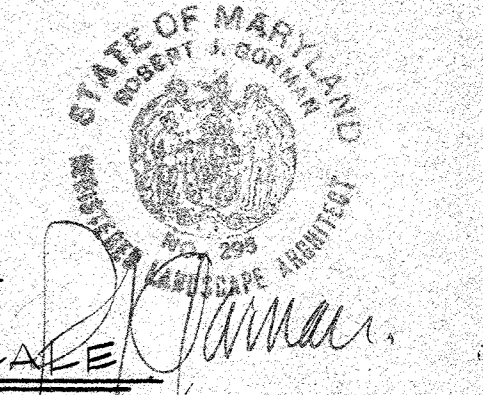
APPROVED: For public Water and private Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER DATE 8-13-85

APPROVED: Howard County Office of Planning and Zoning  
 PLANNING DIRECTOR DATE  
 CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. DATE

Howard County, Md., Dept. of Public Works  
 for the Dept. of Rec. & Parks, 3430 Court  
 House Drive, Ellicott City, Maryland.  
 Election District No. 2, Howard County, Md.  
 Tax Map No. 30  
 Liber 513 Folio 218, Parcel 111, 54.12 ac.  
 Adjacent Property Owners  
 PARCEL # 3 MR. JOHN A. SAAS  
 PARCEL # 94, 149 MR. JOSEPH TAURY  
 All other sides are owned by Howard County,  
 Maryland.



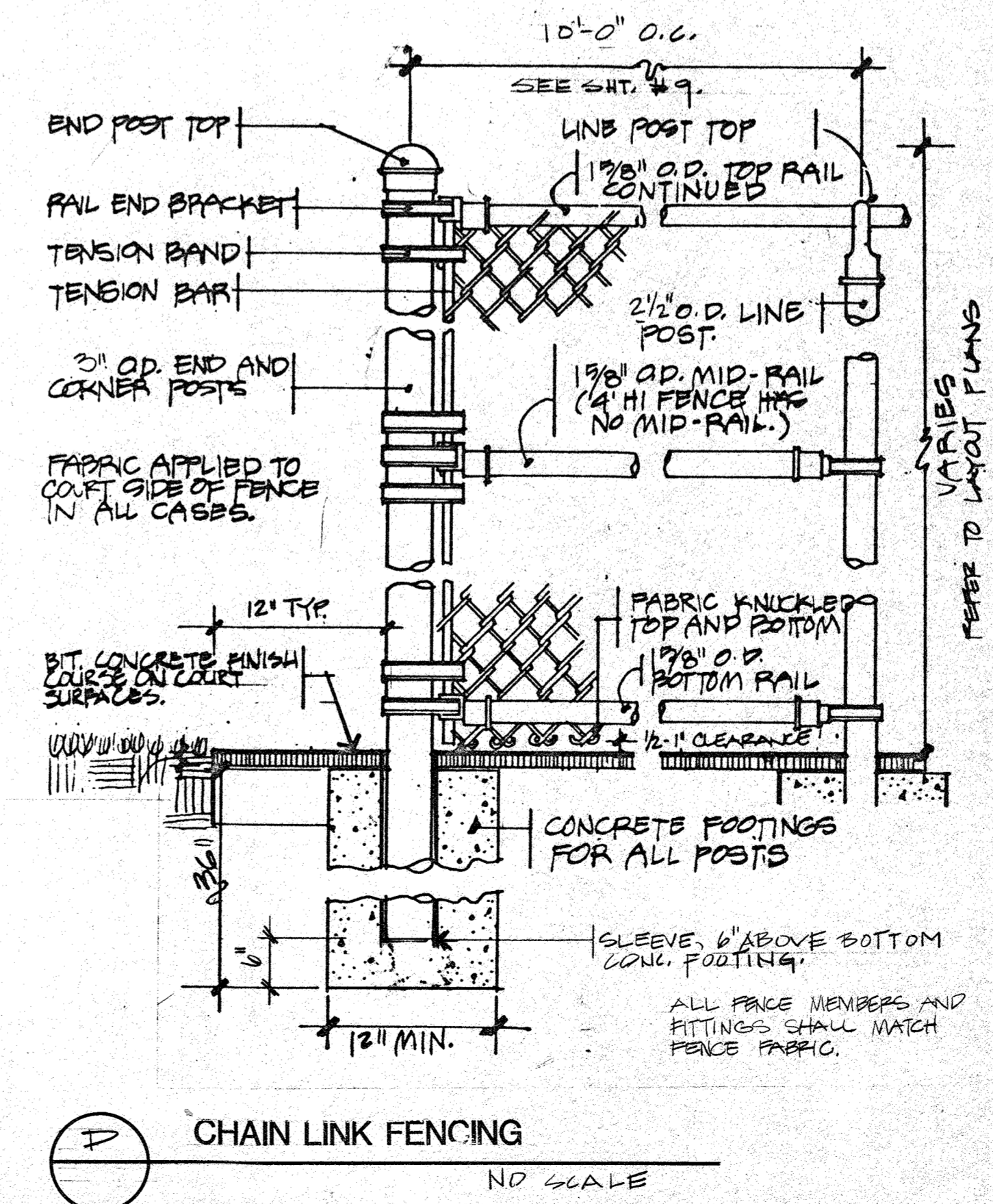
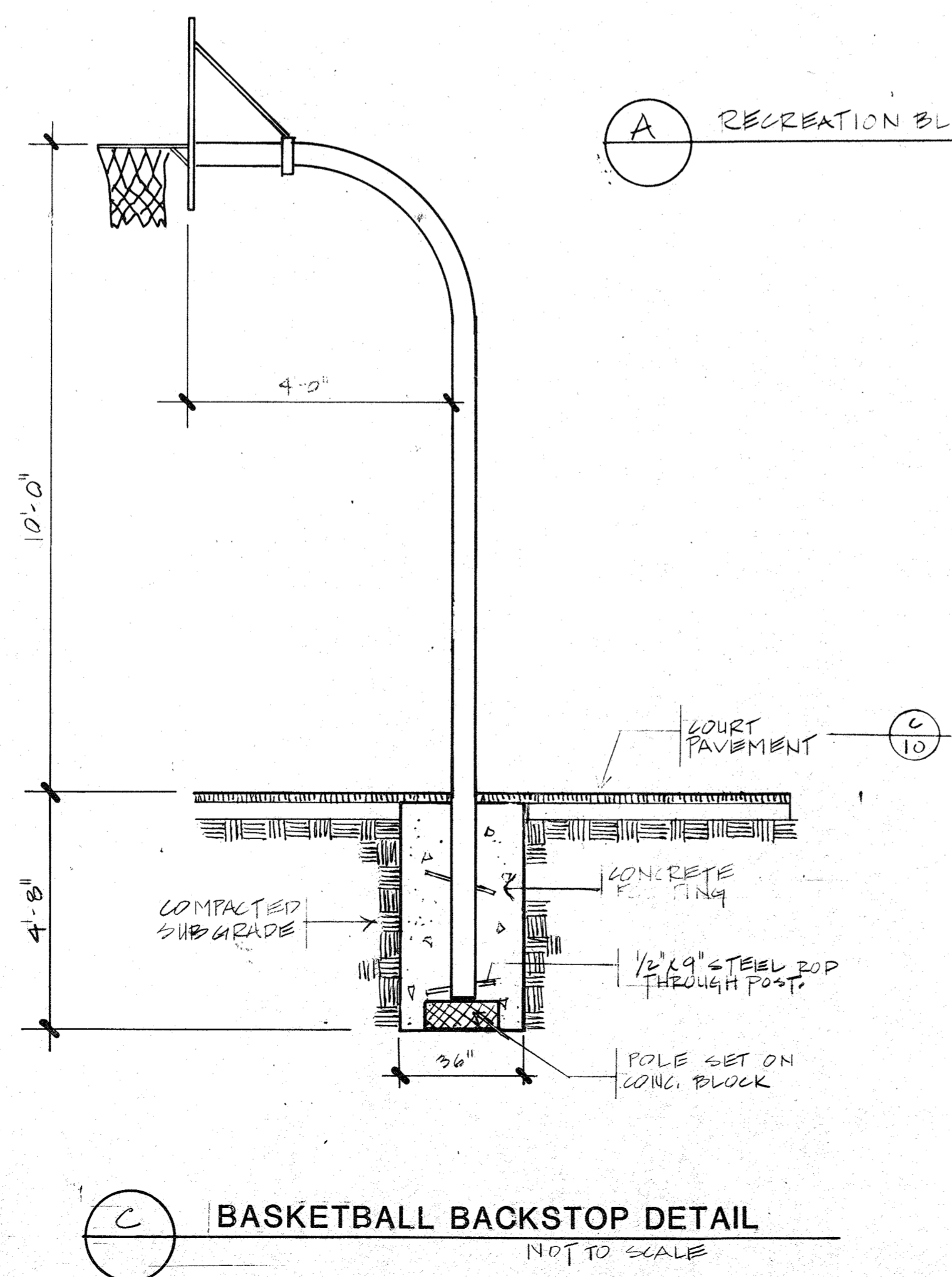
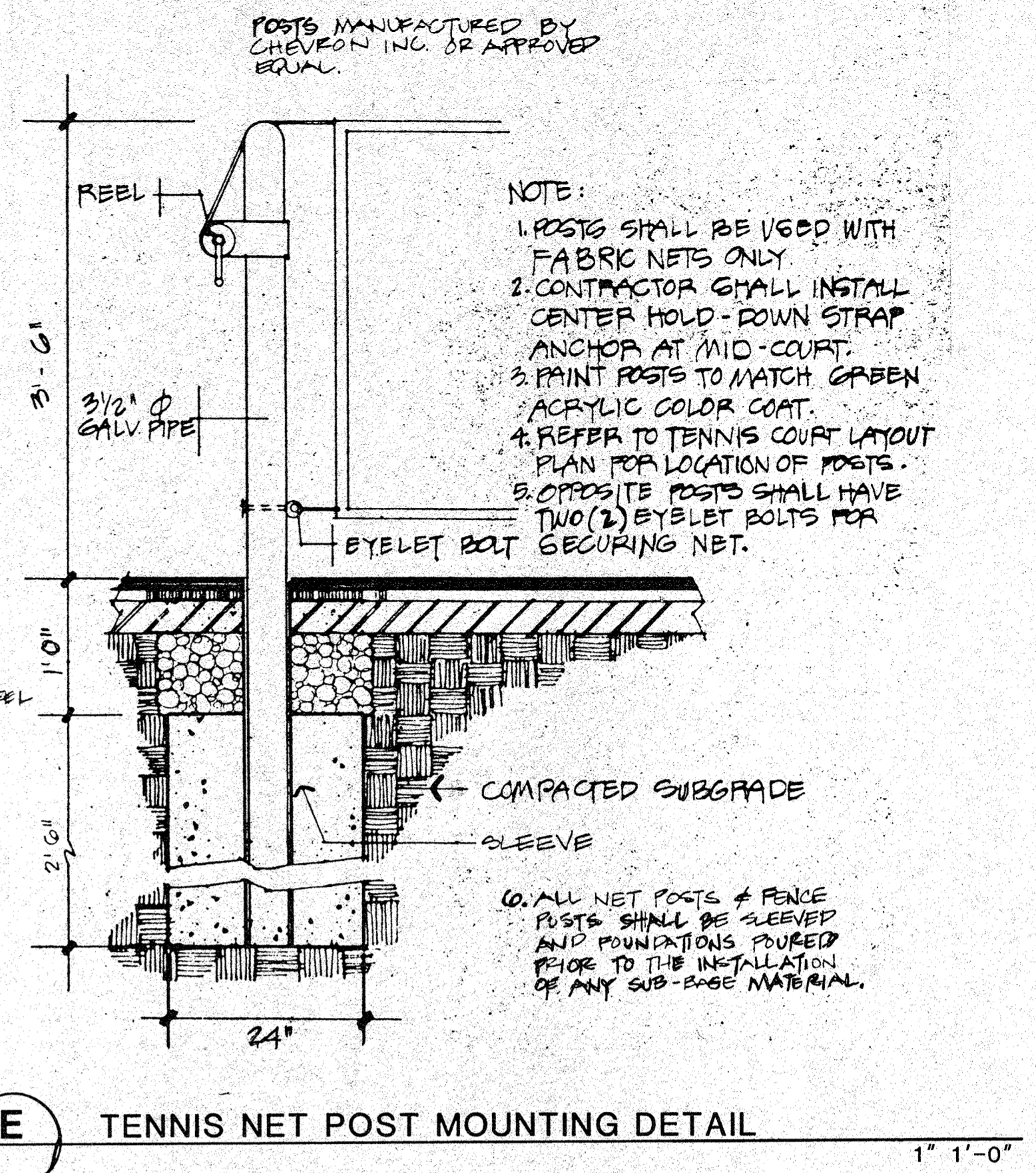
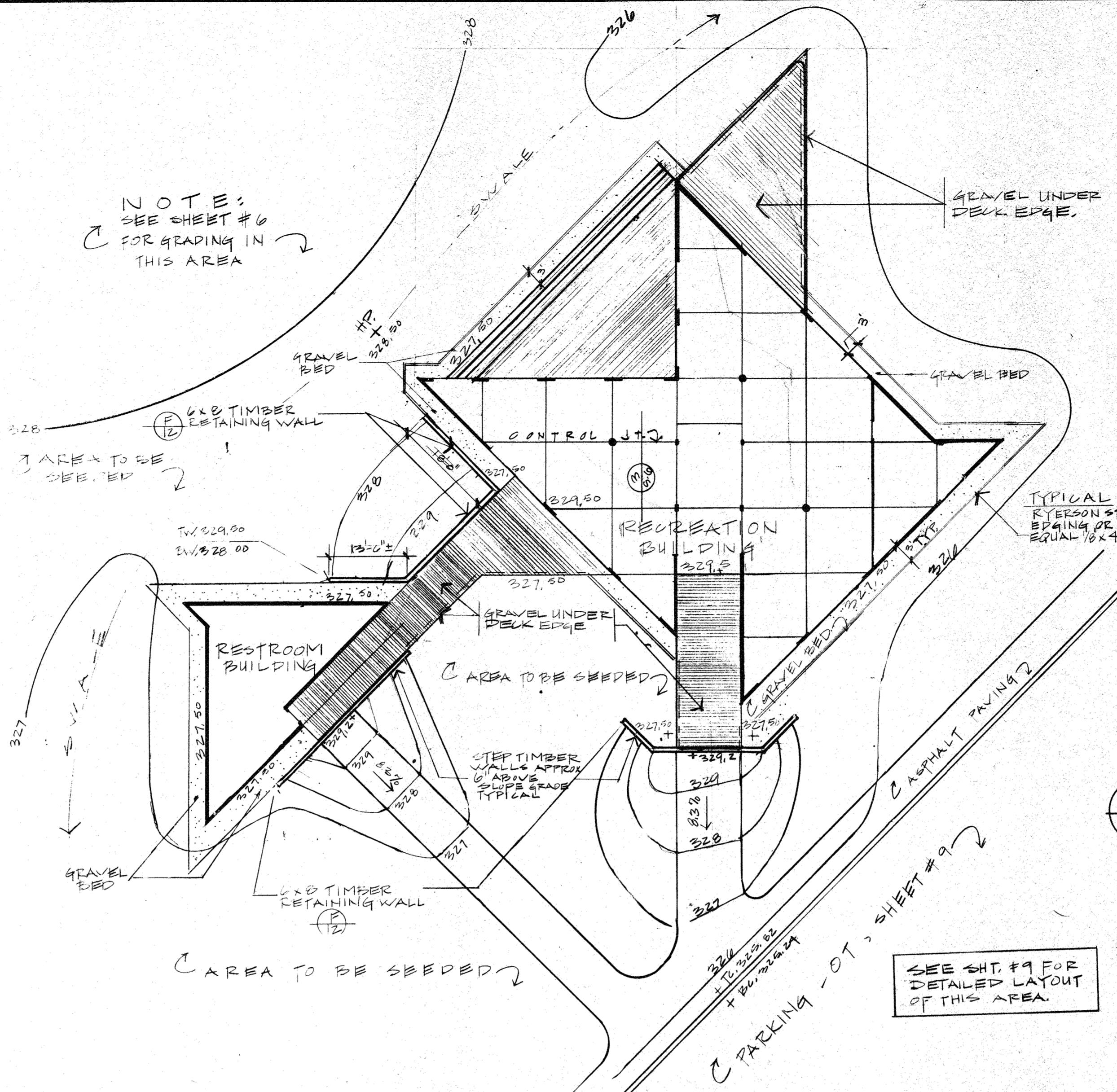
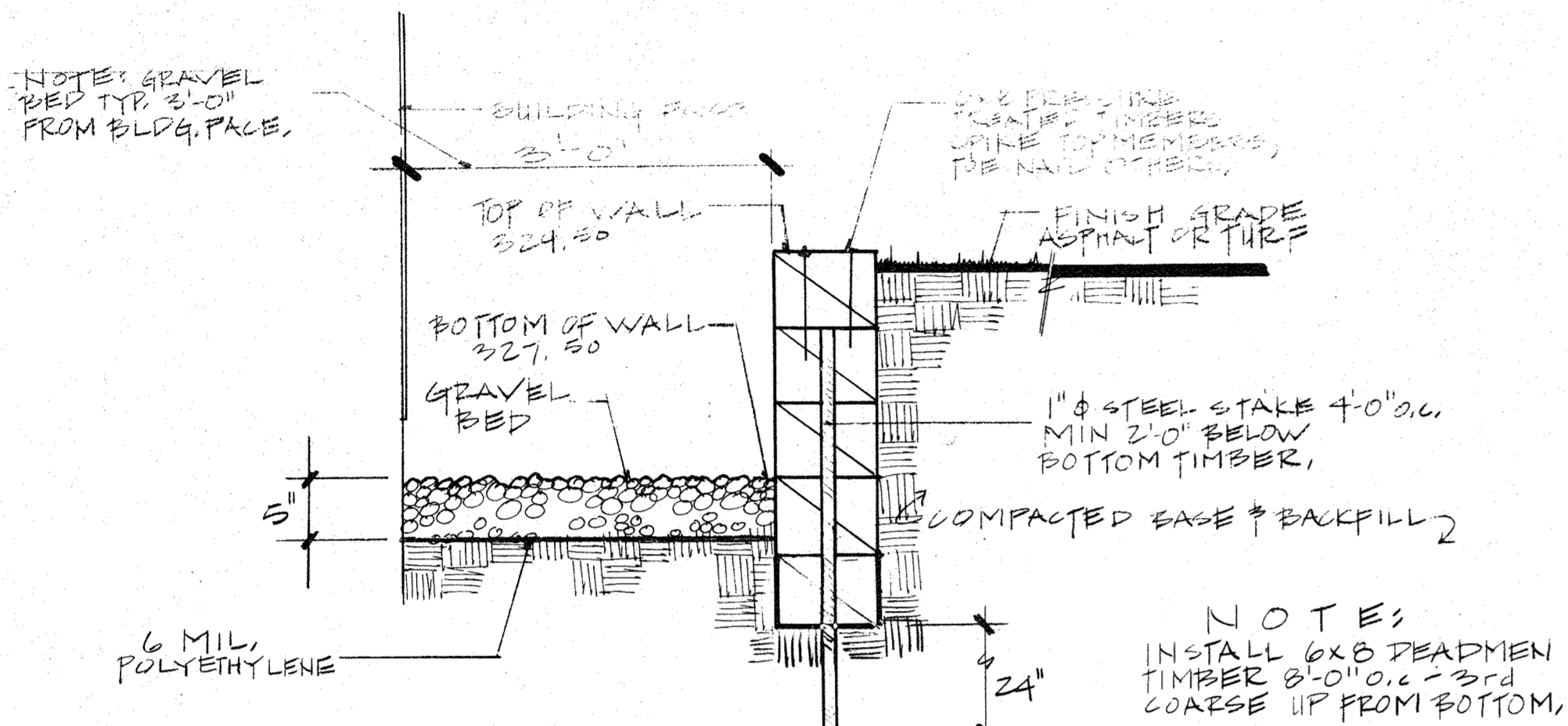
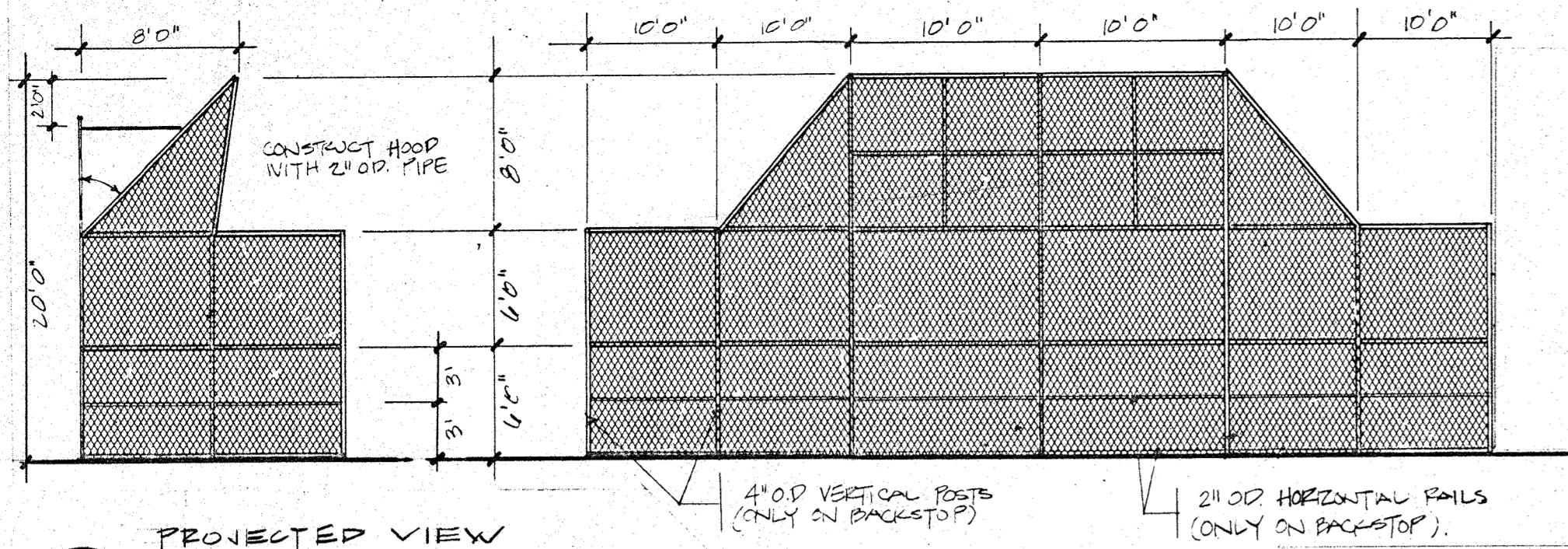
NOTE: BENCHES SHALL BE VICTOR STANLEY MODEL # UB-318 SEE SPEC. SECTION 3-F



**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRET PLACE, SUITE 300  
 COLUMBIA, MARYLAND 21044

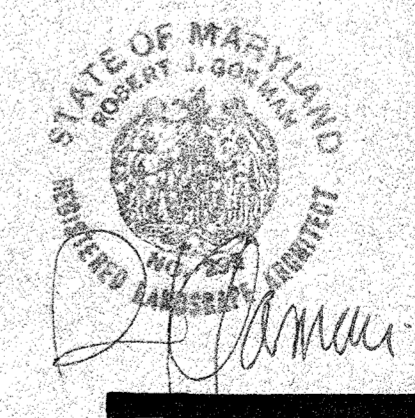
MISC. CONSTRUCTION DETAILS  
**CENTENNIAL PARK**  
 PHASE THREE - SOUTH DAM AREA

DATE	6-19-85	REVISIONS:	SHEET NO.
SCALE	AS NOTED		11
DRAWN	P.A.		OF 38
CHECKED			



Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3435 Court House Drive, Bellicott City, Maryland.  
Election District No. 2, Howard County, MD.  
Tax Map No. 30  
Liber 513 Folio 218, Parcel 111, 54.12 ac.  
Adjacent Property Owners  
PARCEL #3 MR. JOHN A. SAAS  
PARCEL #99, 199 MR. JOSEPH TAURY  
All other sides are owned by Howard County, Maryland.

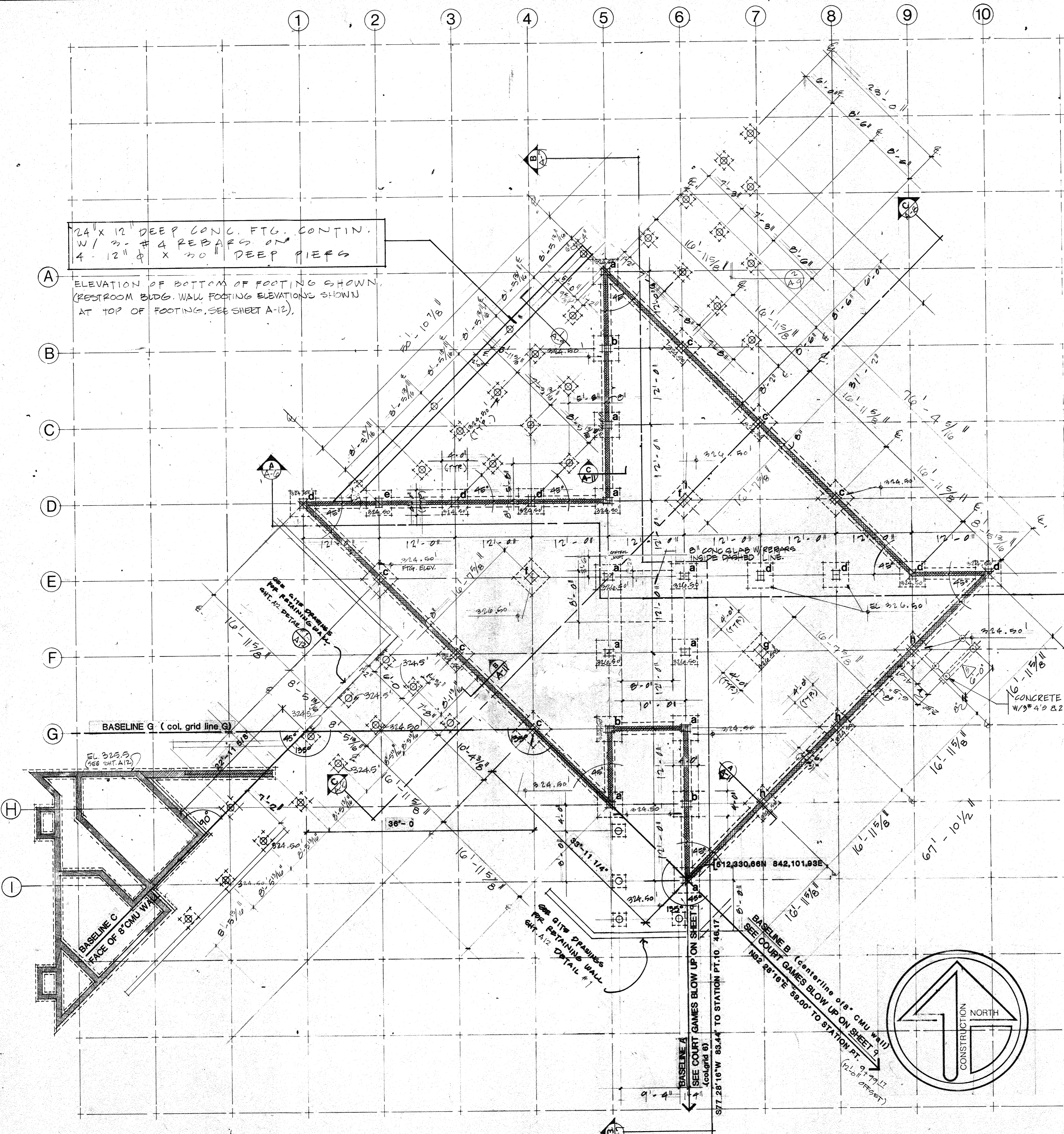
APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Director* 8-12-86  
DATE  
*Chief, Bureau of Engineering* 8-12-86  
DATE  
APPROVED: For Public Water and Public Sewerage Systems  
HOWARD COUNTY HEALTH DEPARTMENT  
*County Health Officer* 8-13-86  
DATE  
APPROVED: Howard County Office of Planning and Zoning  
PLANNING DIRECTOR DATE  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE



**LD LAND DESIGN / RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND  
MISC. CONSTRUCTION DETAILS

**CENTENNIAL PARK  
PHASE THREE - SOUTH DAM AREA**

DATE	6-19-85	REVISIONS:	SHEET NO.
SCALE	AS NOTED		12
DRAWN			OF 38
CHECKED			



24" X 12" DEEP CONC. FTG. CONTIN.  
 W/ #4 REBARS ON  
 4" 12" φ X 20" DEEP PIER

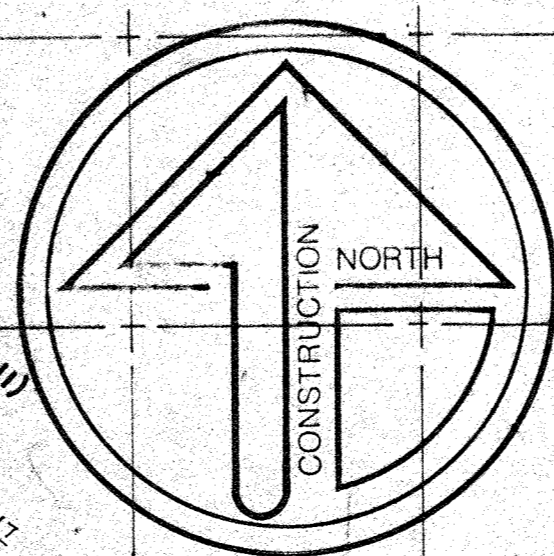
ELEVATION OF BOTTOM OF FOOTING SHOWN.  
 (RESTROOM BLDG. WALL FOOTING ELEVATIONS SHOWN  
 AT TOP OF FOOTING. SEE SHEET A-12).

BASELINE G (col. grid line G)

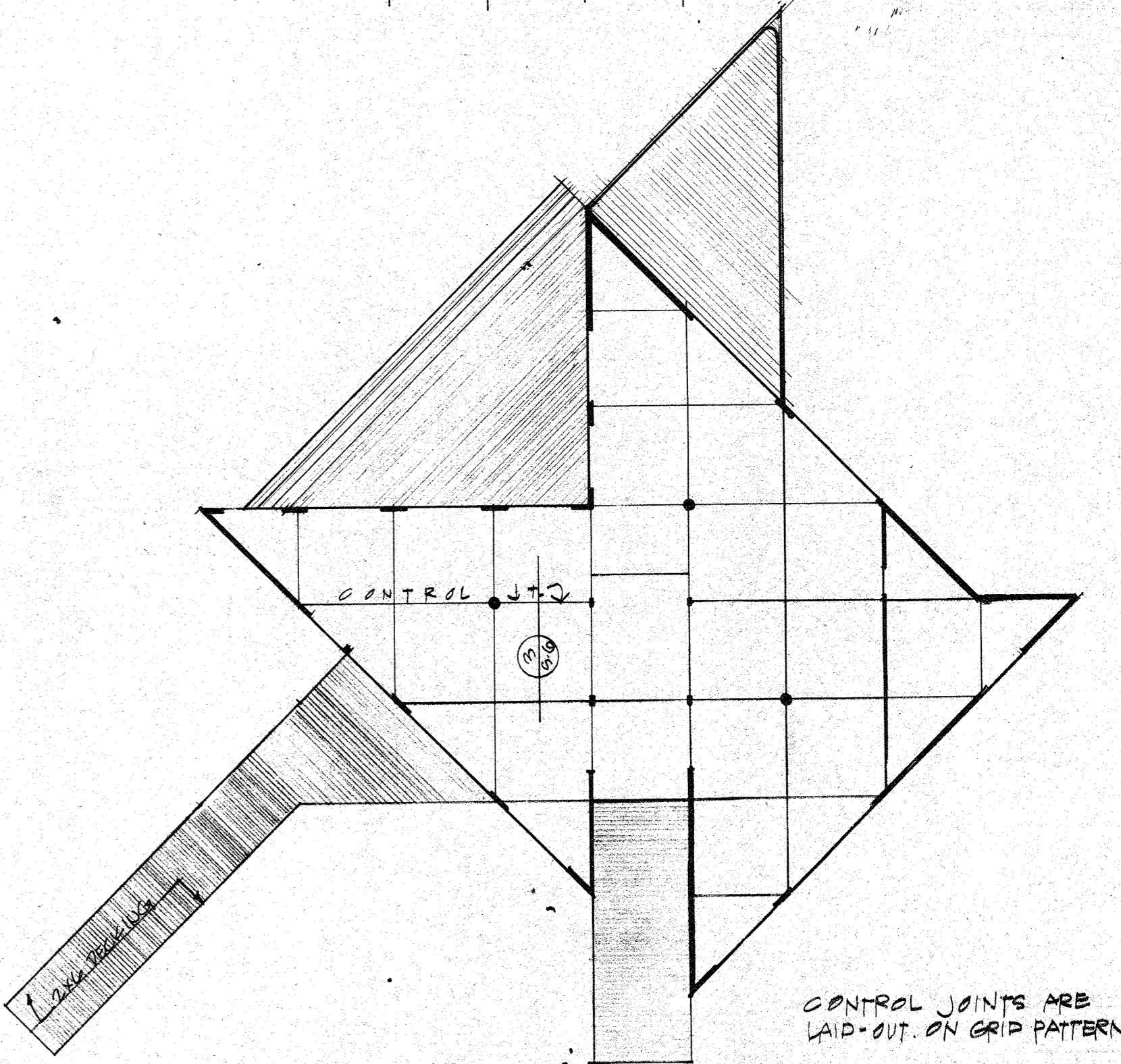
BASELINE C  
 FACE OF 8" CMU WALL

BASELINE A  
 (SEE COURT GAMES BLOW UP ON SHEET 10 46.17  
 S77.28'16"W 83.44' TO STATION PT. 10 46.17

BASELINE B (centerline 816" CMU WALL)  
 (SEE COURT GAMES BLOW UP ON SHEET 9  
 N82.28'16"E 83.00' TO STATION PT. 9 46.17)

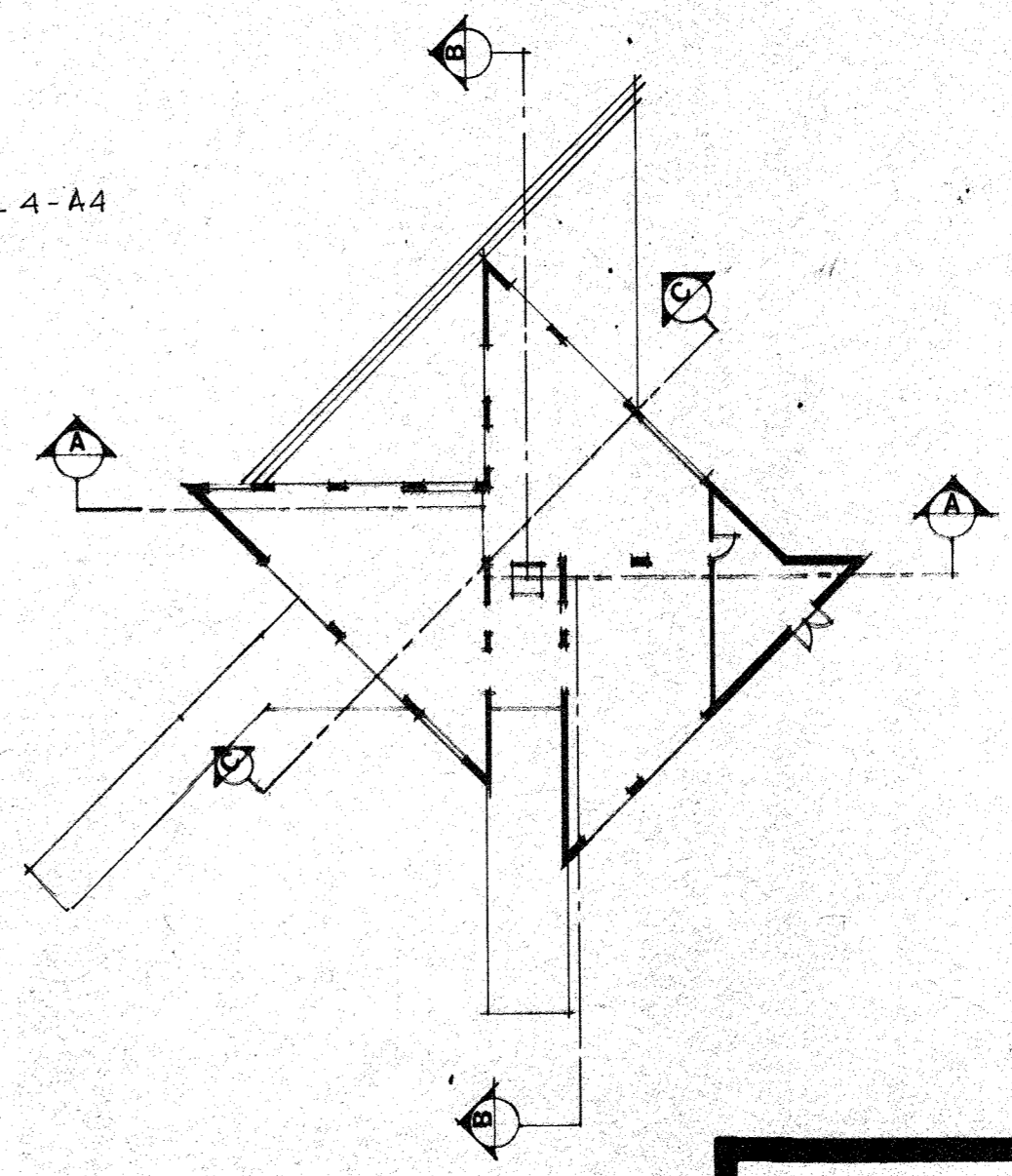


A  
 B  
 C  
 D  
 E  
 F  
 G  
 H  
 I



CONTROL JOINTS ARE  
 LAID-OUT ON GRID PATTERN.

CONTROL JOINT LAYOUT PLAN  
 1/16" = 1' - 0"



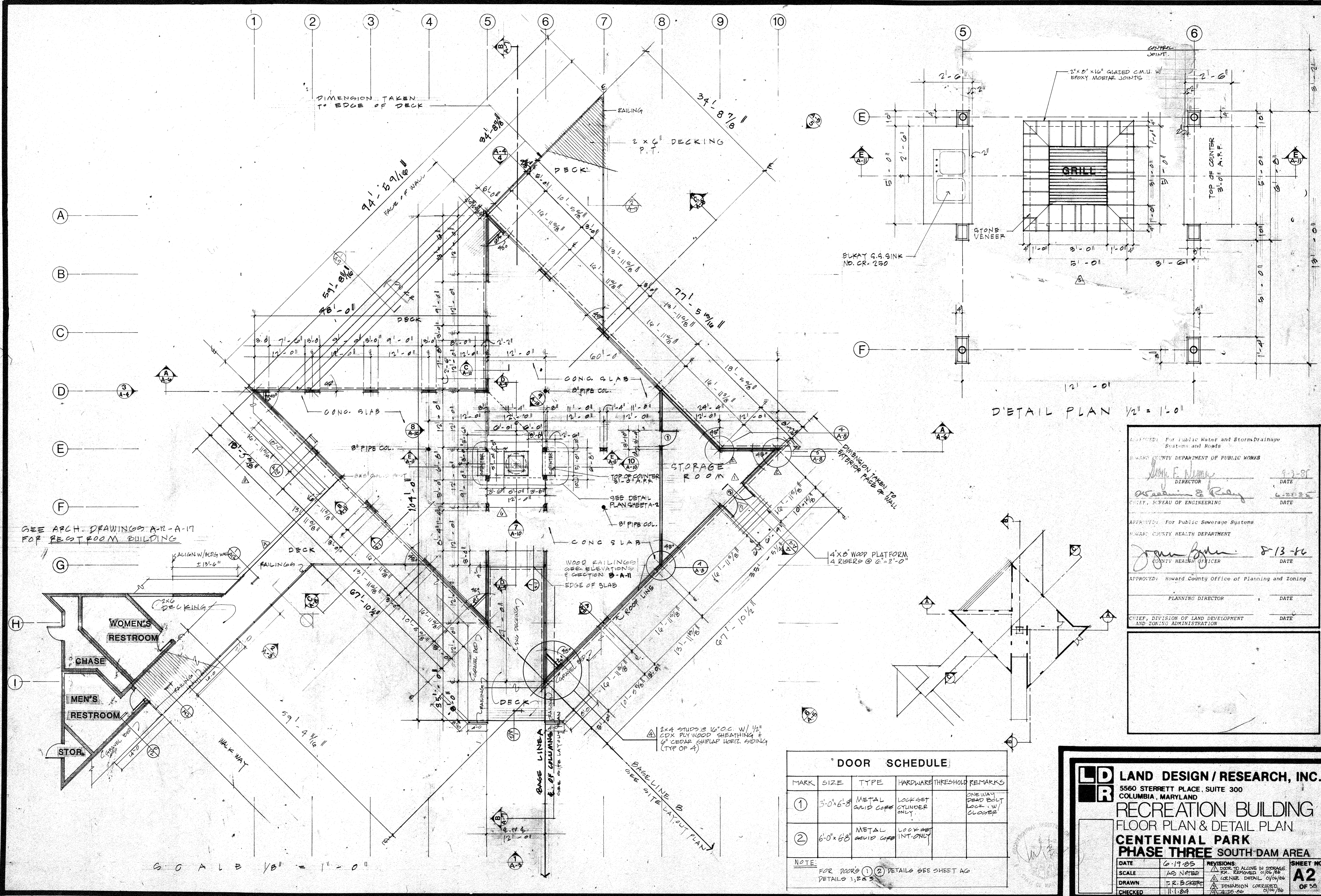
APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads	
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
DIRECTOR	DATE
CHIEF, BUREAU OF ENGINEERING	DATE
APPROVED: For Public Water and Public Sewerage Systems	
HOWARD COUNTY HEALTH DEPARTMENT	
DATE	8-13-84
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
PLANNING DIRECTOR	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	
DATE	

- NOTES:
- Elevation top of structural slab = 329.5'
  - Structural slab shall be 4" concrete slab on grade reinforced with 6"x6" - W1.4/W1.4 W.W.F. and poured over a vapor barrier over 4" porous fill.
  - All concrete for slabs, footings, pedestals, etc., shall have a minimum 28 day compressive strength of f'c = 3000 psi.
  - Block walls shall be constructed with type "M" mortar and masonry units conforming to ASTM-C90.
  - Elevation bottom of footings are shown on plan.
  - Assumed soil bearing value shall be 2000 psf. Bearing capacity shall be verified by a soils engineer prior to construction of all footings.
  - See column schedule and details for size of footing & reinforcing.

**LD R LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND

**RECREATION BUILDING  
 FOUNDATION PLAN  
 CENTENNIAL PARK  
 PHASE 3 SOUTH DAM AREA**

DATE	6-19-85	REVISIONS:	SHEET NO.
SCALE	1/8" = 1'-0"	ADDER FTG. T11/6a	A1
DRAWN	T.R. BCKER		OF 38
CHECKED	11.1.84		



SEE ARCH. DRAWINGS A-R-A-17 FOR RESTROOM BUILDING

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

APPROVED: For Public Water and Storm Drainage Systems and Roads  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *John F. Nemy* DATE: 4-2-85  
 Chief, Bureau of Engineering: *William S. Riley* DATE: 6-22-85

APPROVED: For Public Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer: *John B. Jones* DATE: 8-13-86

APPROVED: Howard County Office of Planning and Zoning  
 Planning Director: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Chief, Division of Land Development and Zoning Administration: \_\_\_\_\_ DATE: \_\_\_\_\_

DOOR SCHEDULE					
MARK	SIZE	TYPE	HARDWARE	THRESHOLD	REMARKS
①	5'-0" x 6'-8"	METAL GLASS CORE	LOCK SET CYLINDER ONLY		ONE WAY DEAD BOLT LOCK, W/ CLOSER
②	6'-0" x 6'-8"	METAL GLASS CORE	LOCK SET INT. ONLY		

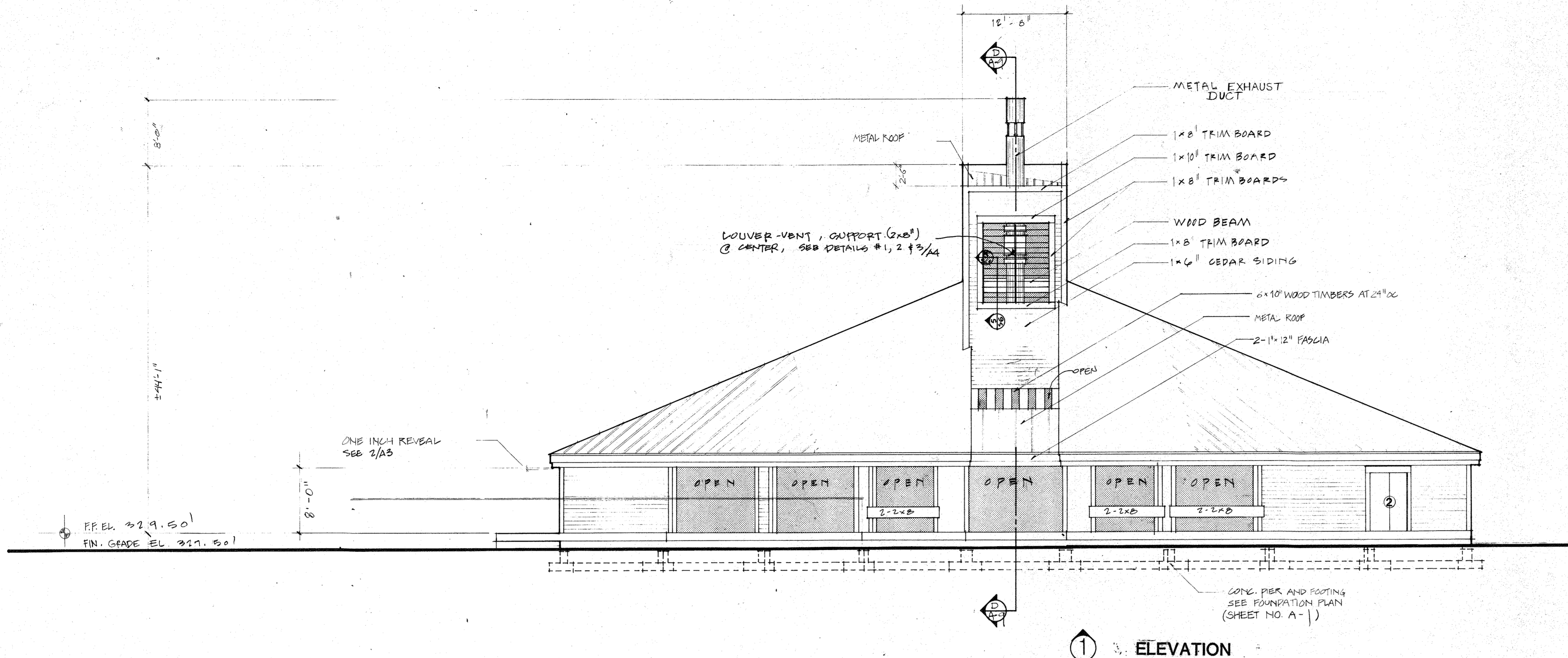
NOTE:  
 FOR DOORS ① ② DETAILS SEE SHEET AG  
 DETAILS 1, 2, 3

**LD R LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND

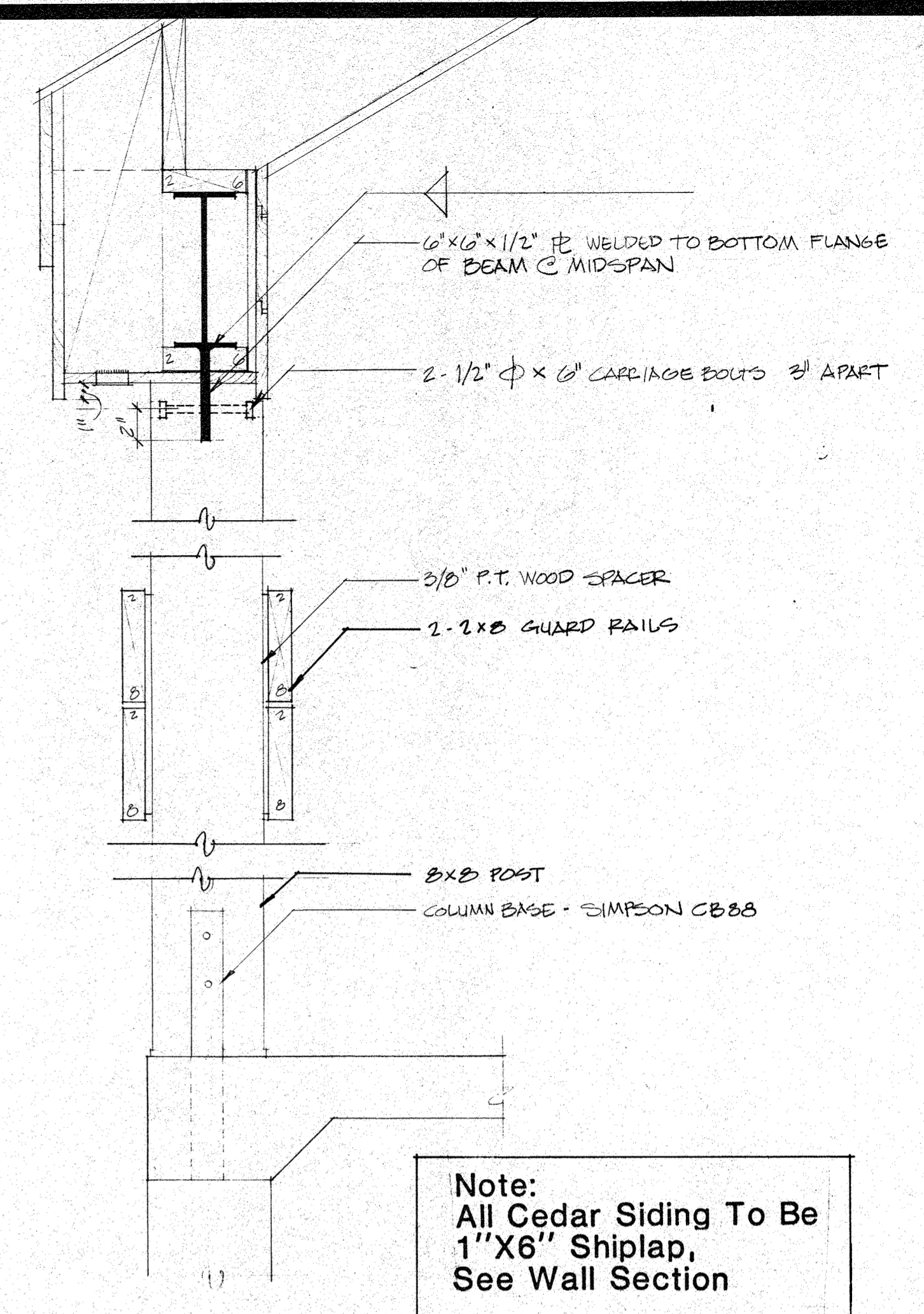
**RECREATION BUILDING  
 FLOOR PLAN & DETAIL PLAN  
 CENTENNIAL PARK  
 PHASE THREE SOUTH DAM AREA**

DATE	6-19-85	REVISIONS:	DOOR TO ALCOVE IN STORAGE RM. REMOVED 01/06/86	SHEET NO. <b>A2</b> OF 53
SCALE	AS NOTED		CORNER DETAIL 01/06/86	
DRAWN	J.R. BICKER		DIMENSION CORRECTED 01/06/86	
CHECKED	11-1-84			

SDP-86-02 APP'D PLATE R.M./M/86

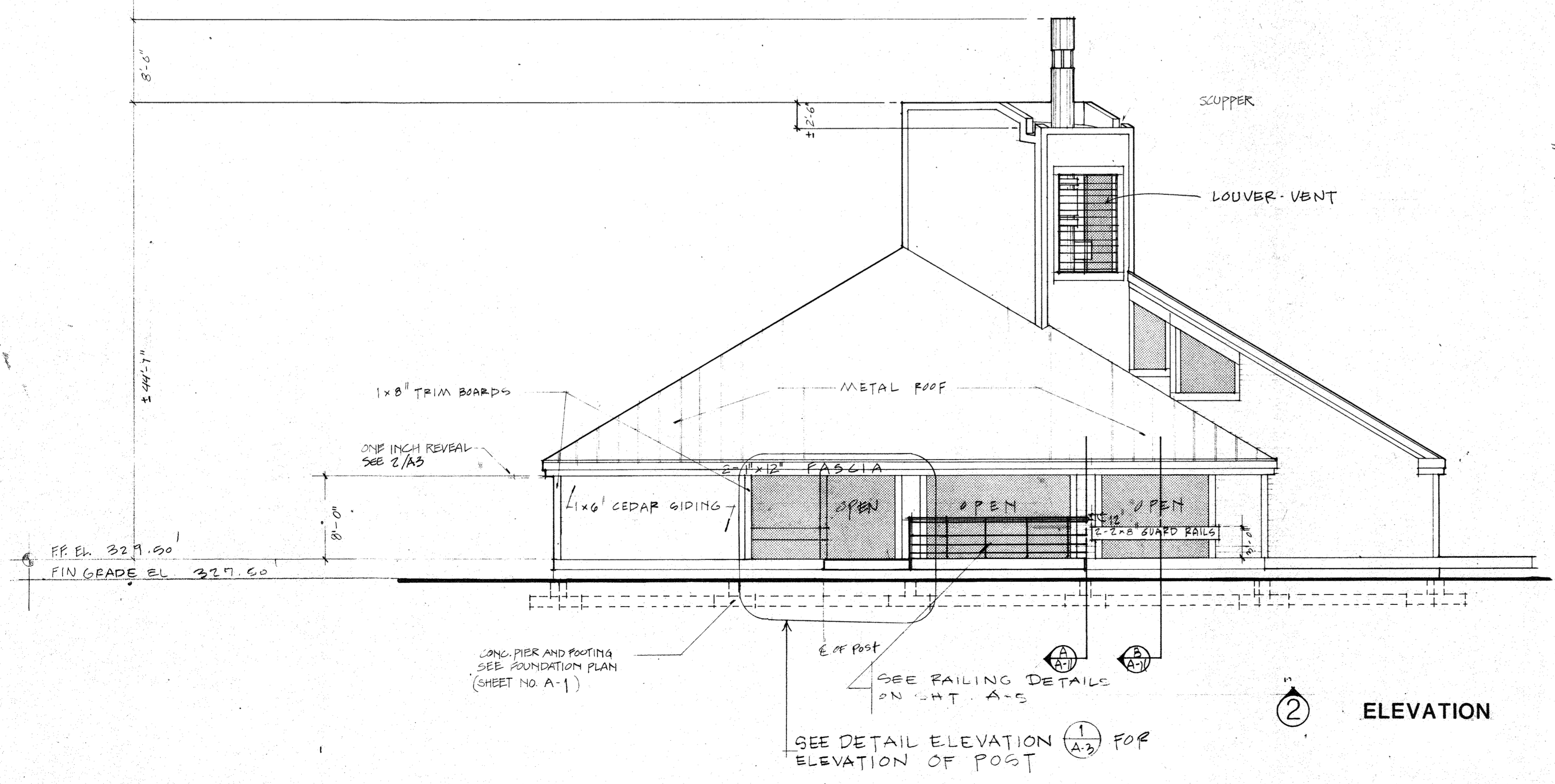


① ELEVATION

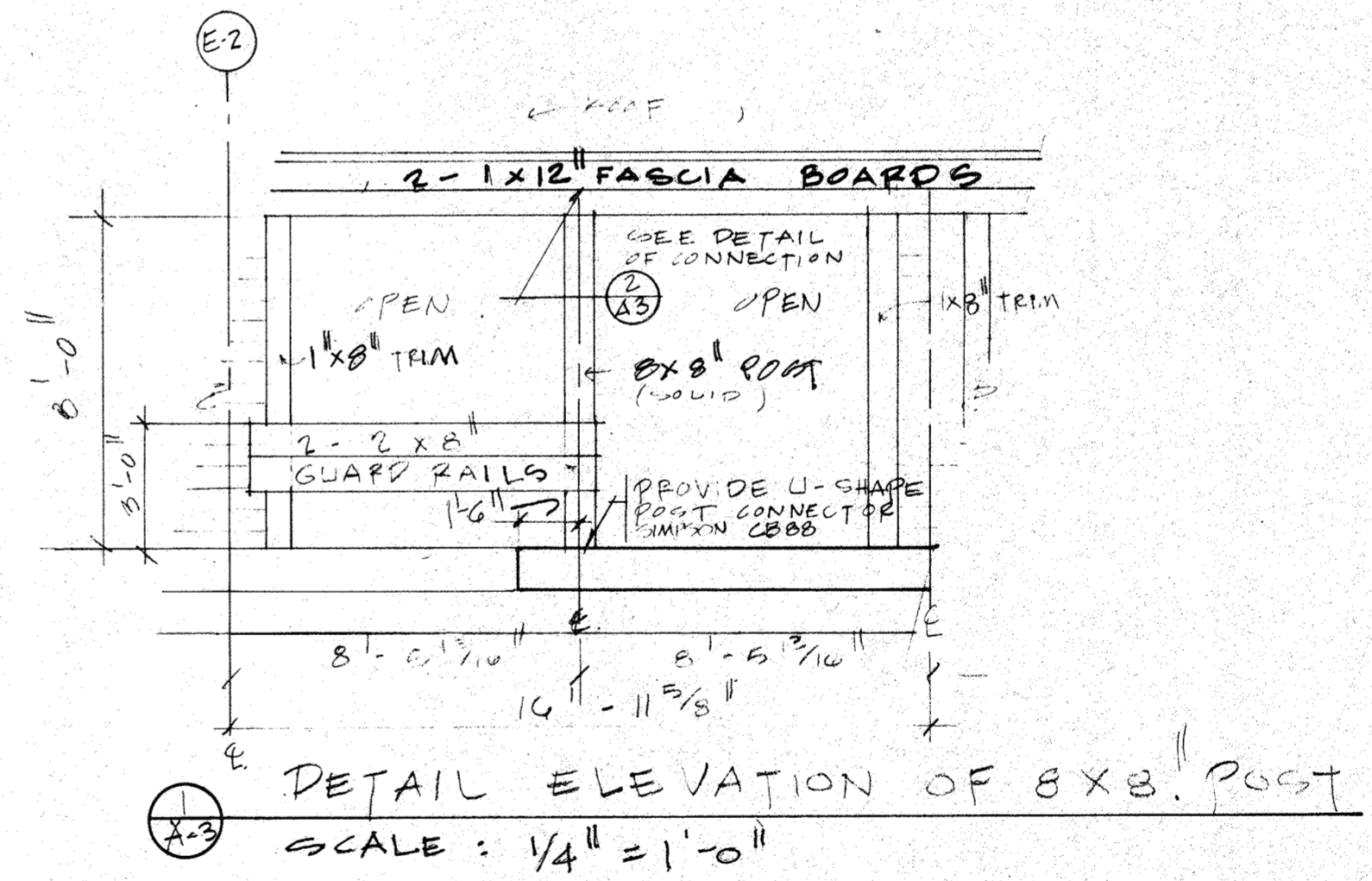


② DETAIL 8x8 POST  
1/2" = 1'-0"

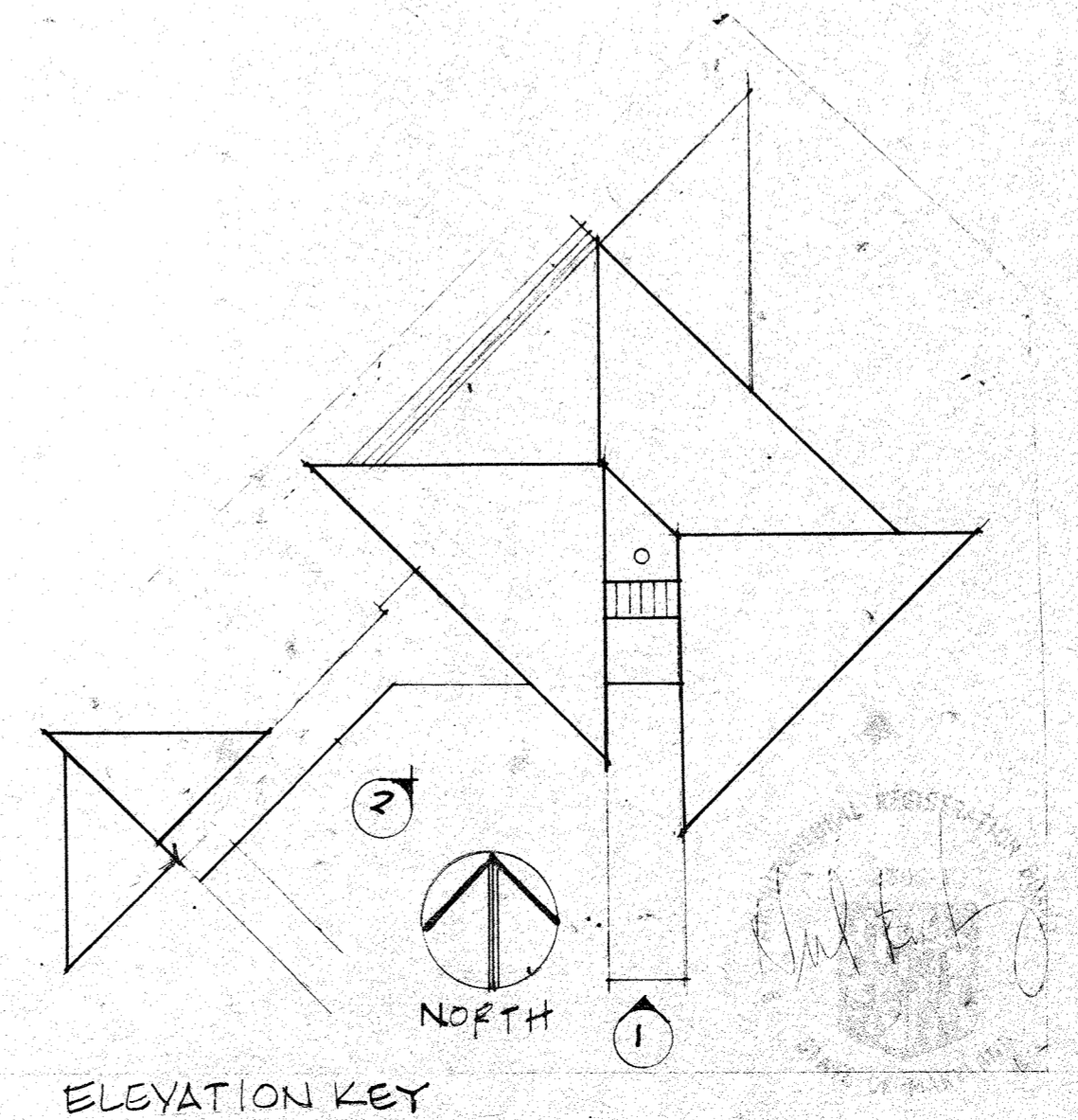
Note:  
All Cedar Siding To Be  
1"x6" Shiplap,  
See Wall Section



② ELEVATION



③ DETAIL ELEVATION OF 8x8 POST  
SCALE: 1/4" = 1'-0"



ELEVATION KEY

Howard County, Md., Dept. of Public Works  
for the Dept. of Rec. & Parks, 3437 Court  
House Drive, Ellicott City, Maryland.  
Election District No. 2, Howard County, Md.  
Tax Map No. 37  
111-113 Folio 119, Page 111, 54.12 ac.  
Adjacent Property Owners  
W. Dwyer, P. 24; Wm. A. Lewis & Wf. P. 13;  
Joseph Douglas Tandy, P. 11; Joseph Tandy,  
P. 194.  
All other sites are owned by Howard County,  
Maryland.

**LD R LAND DESIGN / RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND

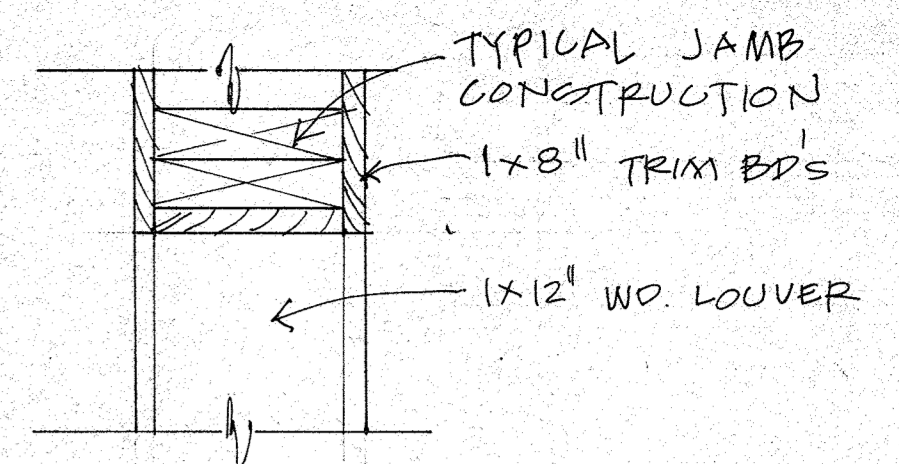
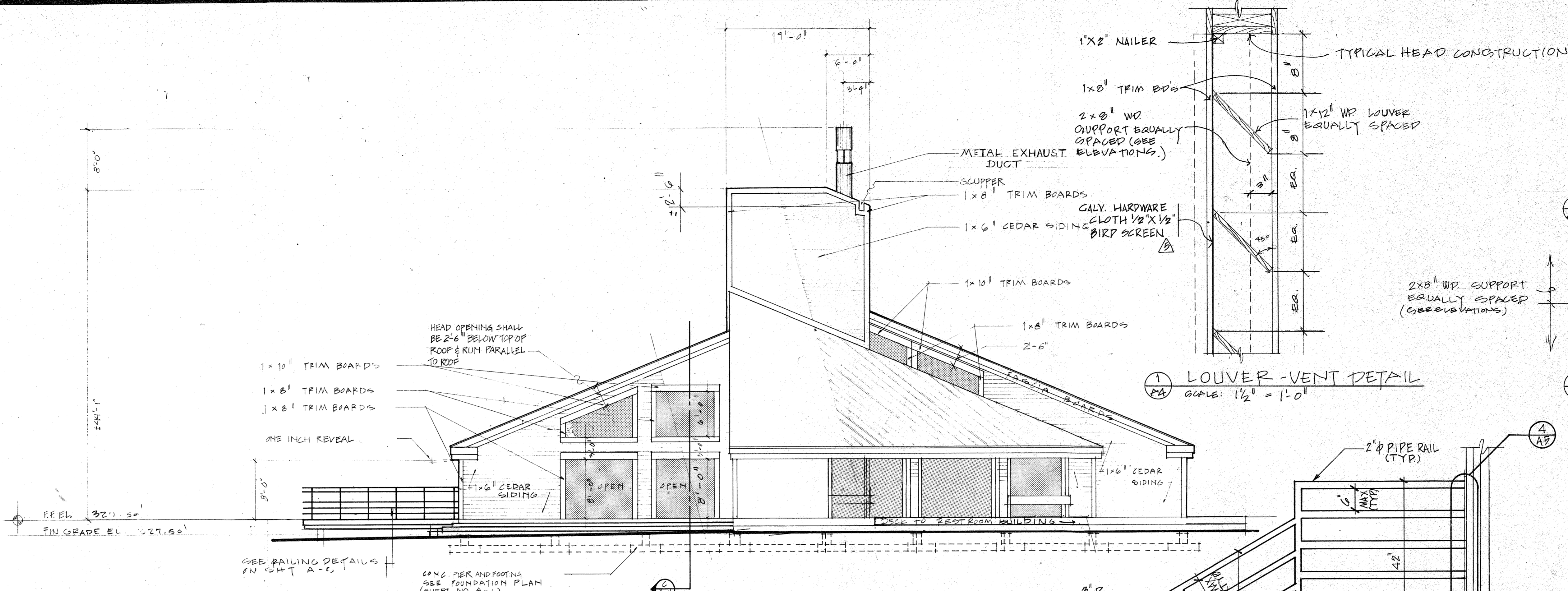
**RECREATION BUILDING  
ELEVATIONS**

**CENTENNIAL PARK  
PHASE 3 SOUTH DAM AREA**

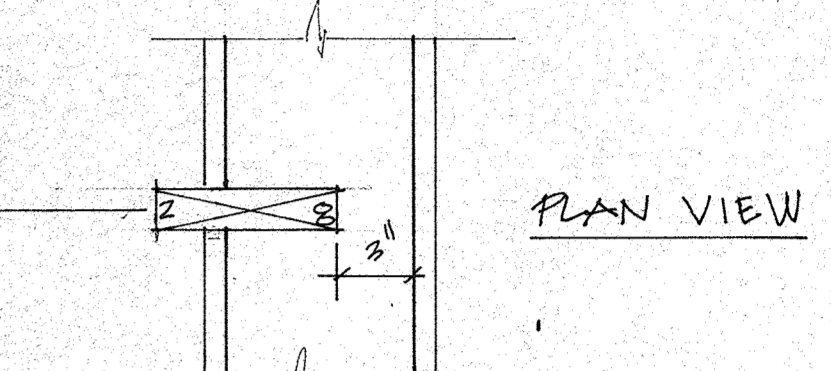
DATE	6-19-05	REVISIONS:	
SCALE	1/4" = 1'-0"		
DRAWN	MJB		
CHECKED	11-1-04		

SHEET NO. **A3**  
OF 38

SDP-86-02



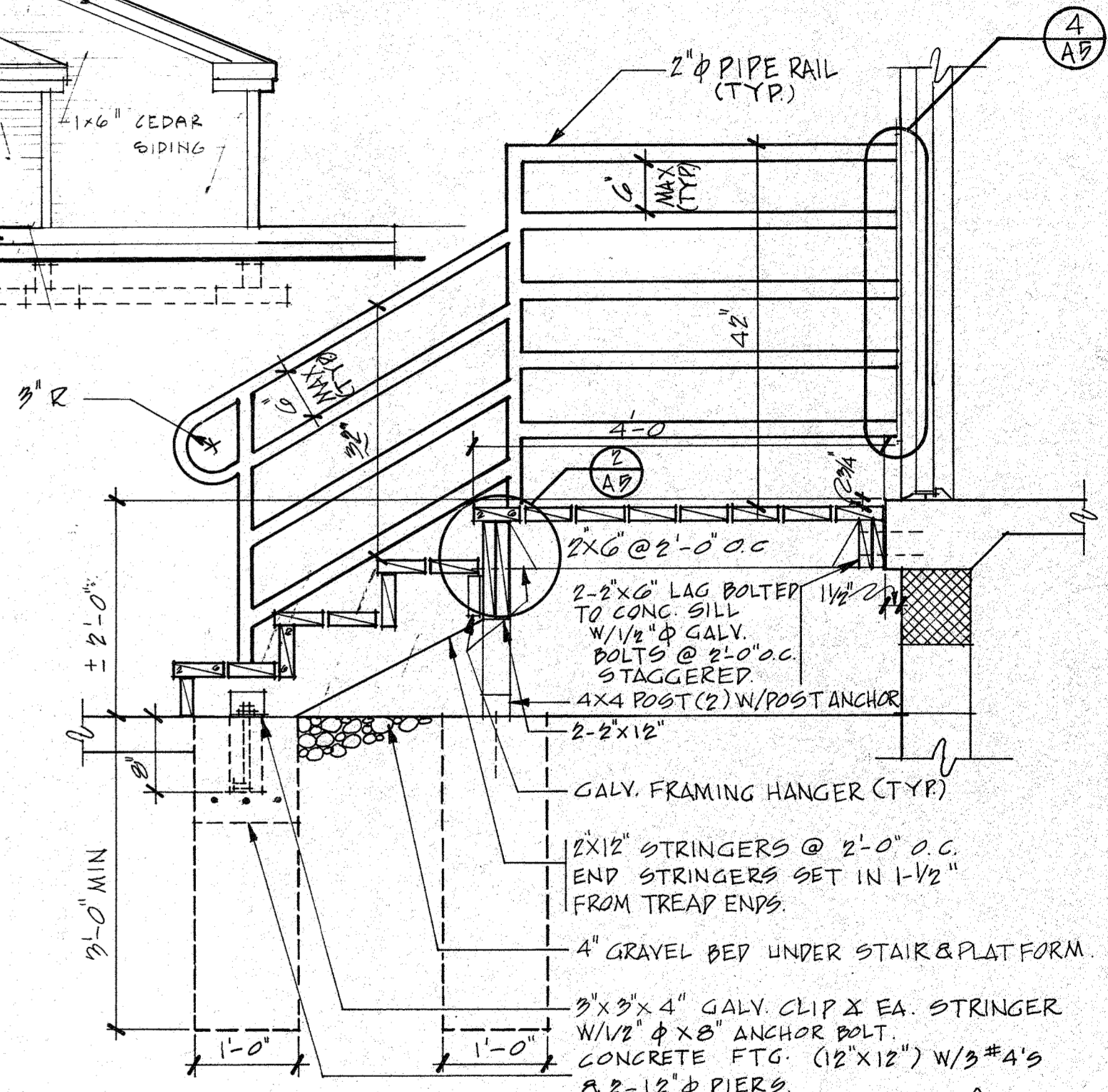
2 JAMB DETAIL  
SCALE: 1/2" = 1'-0"



3 SUPPORT DETAIL  
SCALE: 1/2" = 1'-0"

1 LOUVER-VENT DETAIL  
SCALE: 1/2" = 1'-0"

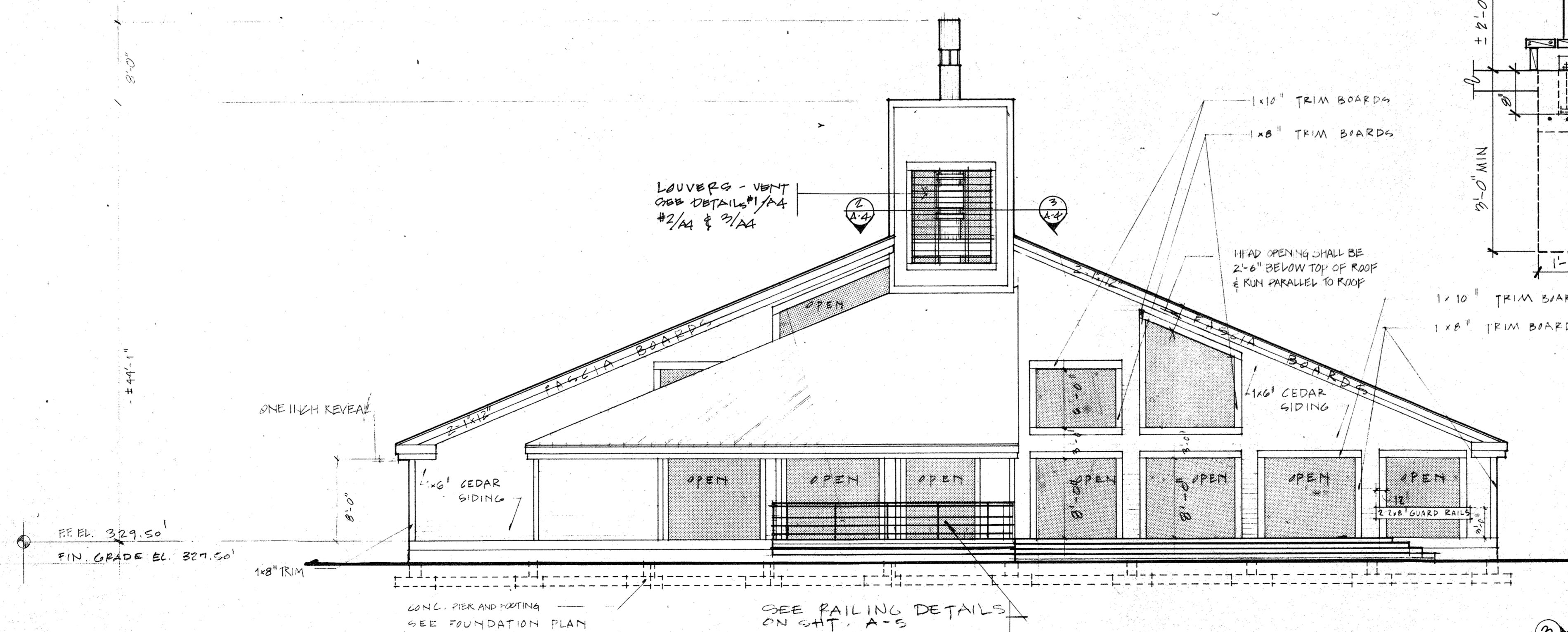
3 ELEVATION



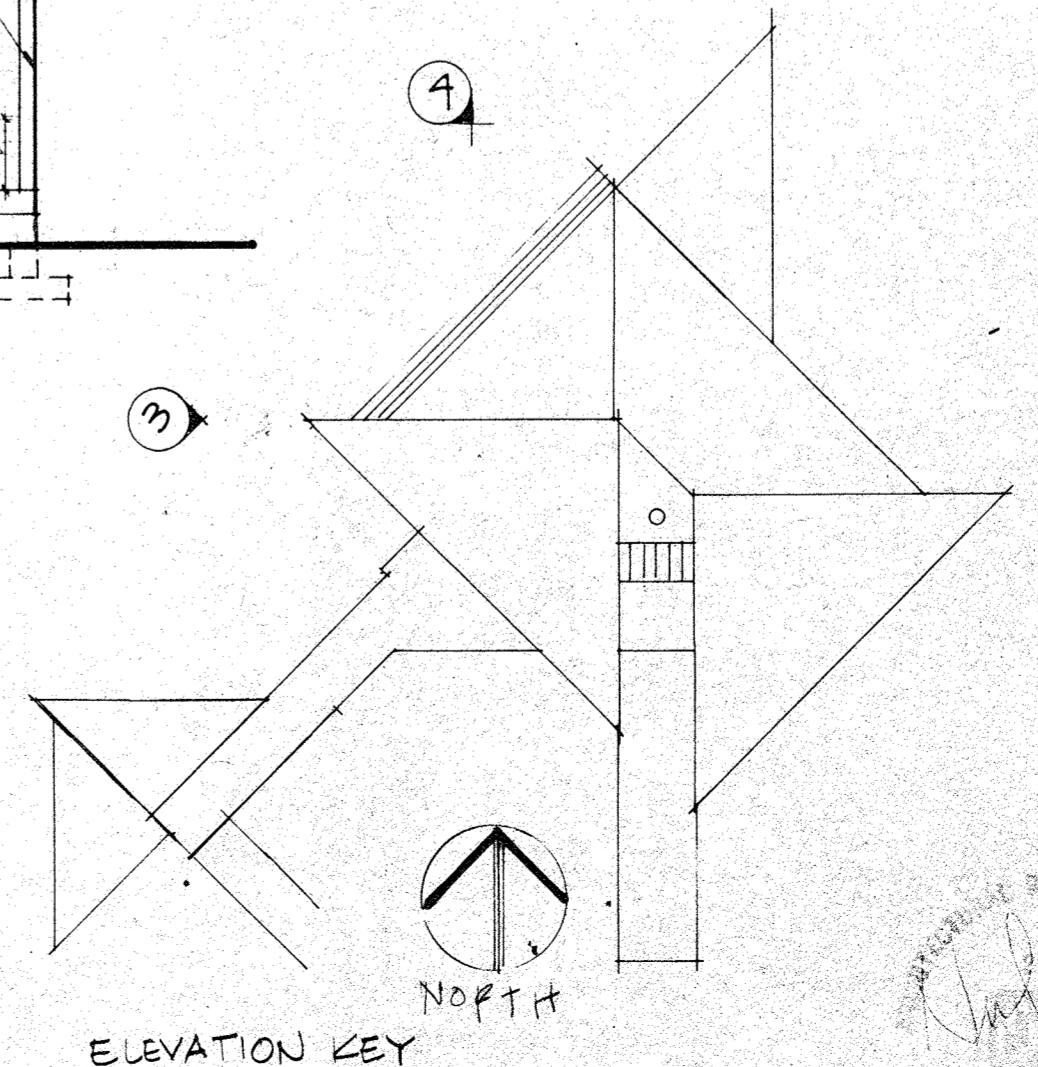
4 STORAGE PLATFORM DETAIL  
SCALE: 3/4" = 1'-0"

Note:  
All Cedar Siding To Be  
1"x6" Shiplap,  
See Wall Section

APPROVED: For Public Water and Storm Drainage Systems and Roads HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	9-1-85 DATE
<i>W. J. ...</i> DIRECTOR	
APPROVED: For Public Sewerage Systems HOWARD COUNTY HEALTH DEPARTMENT	6-27-85 DATE
<i>W. J. ...</i> CHIEF, BUREAU OF ENGINEERING	
APPROVED: For Public Sewerage Systems HOWARD COUNTY HEALTH DEPARTMENT	8-13-86 DATE
<i>John ...</i> COUNTY HEALTH OFFICER	
APPROVED: Howard County Office of Planning and Zoning	
PLANNING DIRECTOR	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	DATE



4 ELEVATION



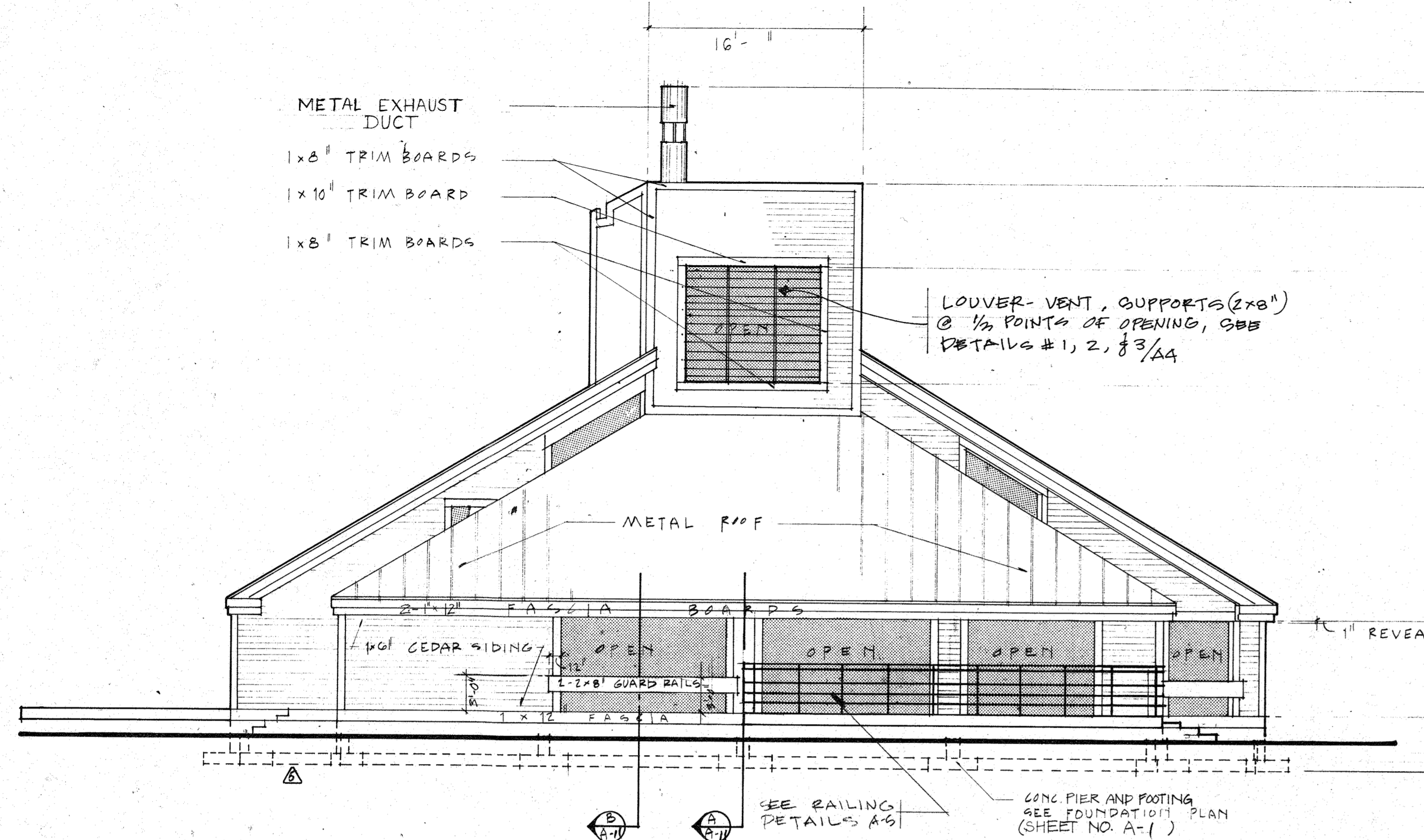
ELEVATION KEY

Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.  
Election District No. 2, Howard County, MD. Tax Map No. 30  
Liber 513 Folio 218, Parcel 111, 54.12 ac.  
Adjacent Property Owners  
W. Zaizer, P. 92; John A. Saas & w/f, P. 93; Joseph Douglas Taury, P. 94; Joseph Taury, P. 194.  
All other sides are owned by Howard County, Maryland.

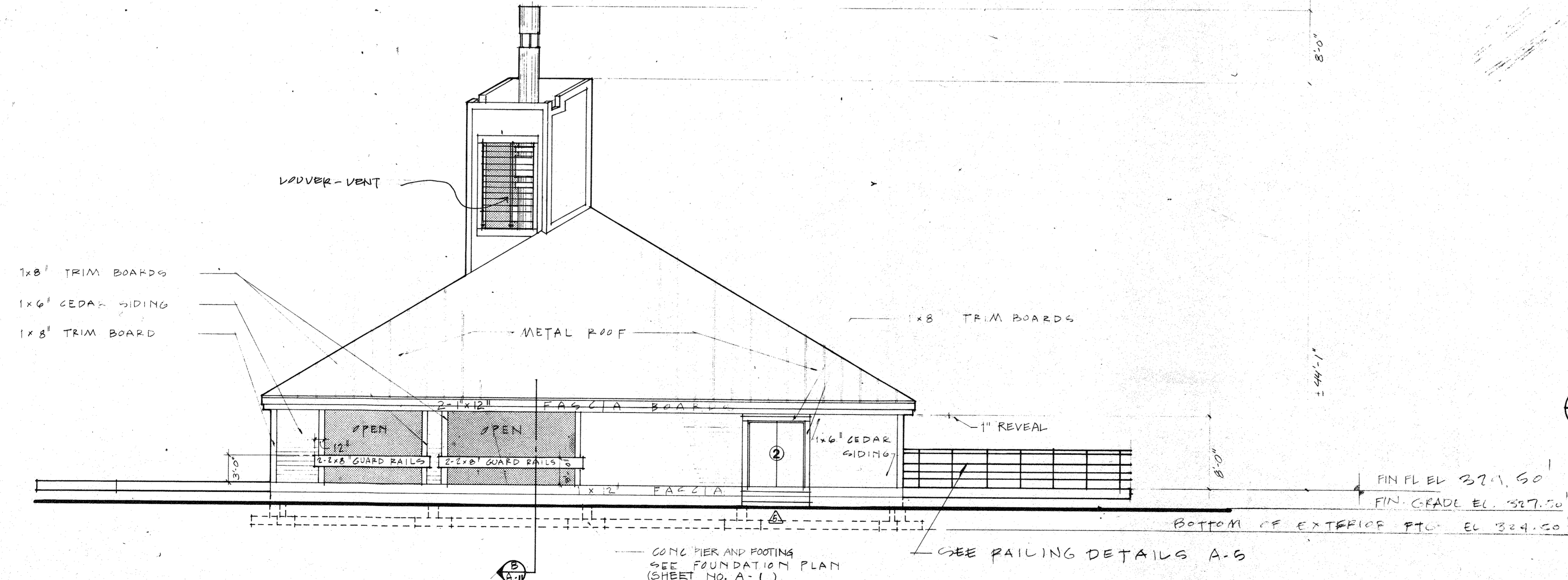
**LAND DESIGN / RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND

**RECREATION BUILDING ELEVATIONS**  
**CENTENNIAL PARK**  
PHASE 3 SOUTH DAM AREA

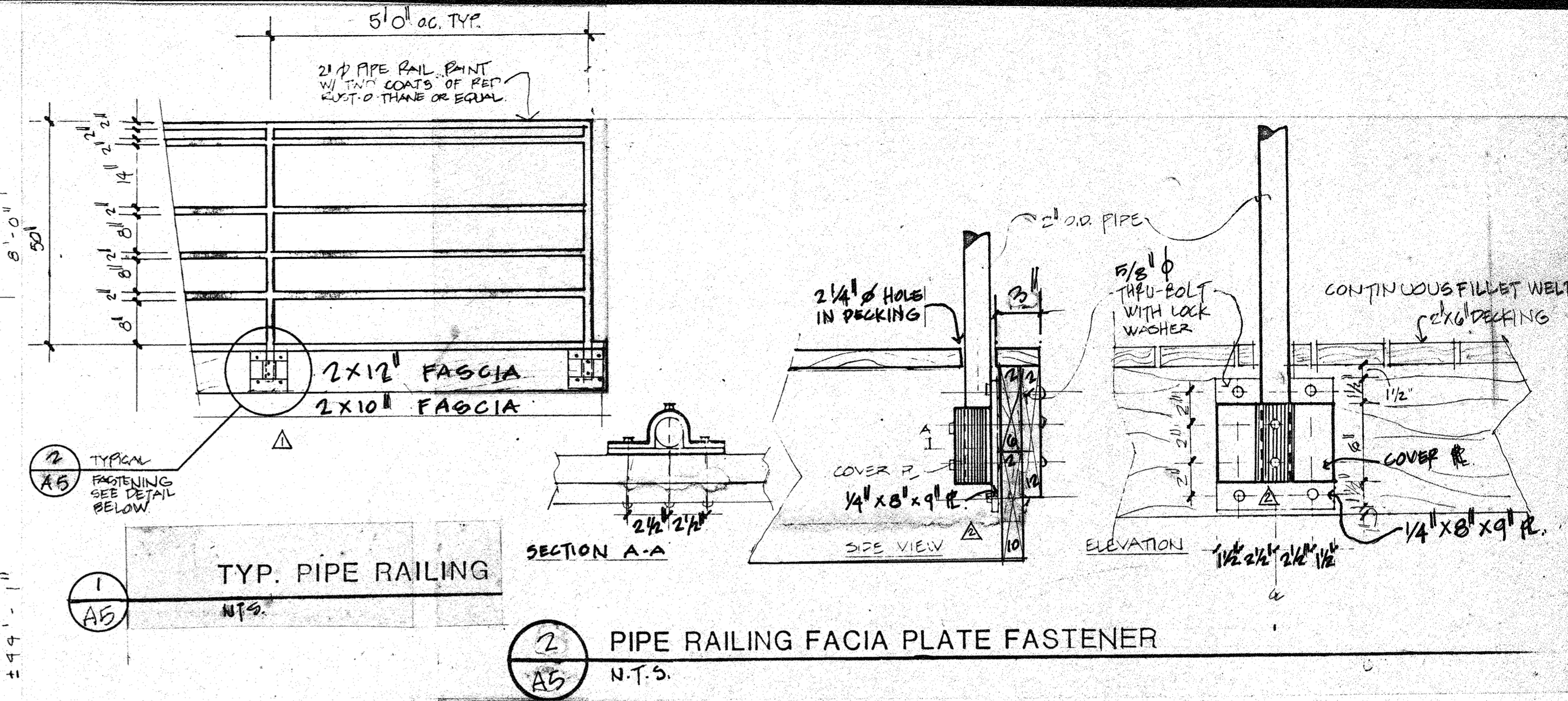
DATE	0-19-85	REVISIONS:	SHEET NO.
SCALE	1/8" = 1'-0"	ADDED SCREEN 7-11-86	A4
DRAWN	MSE	ADDED DETAIL	OF 38
CHECKED	11-1-84		



5 ELEVATION



6 ELEVATION

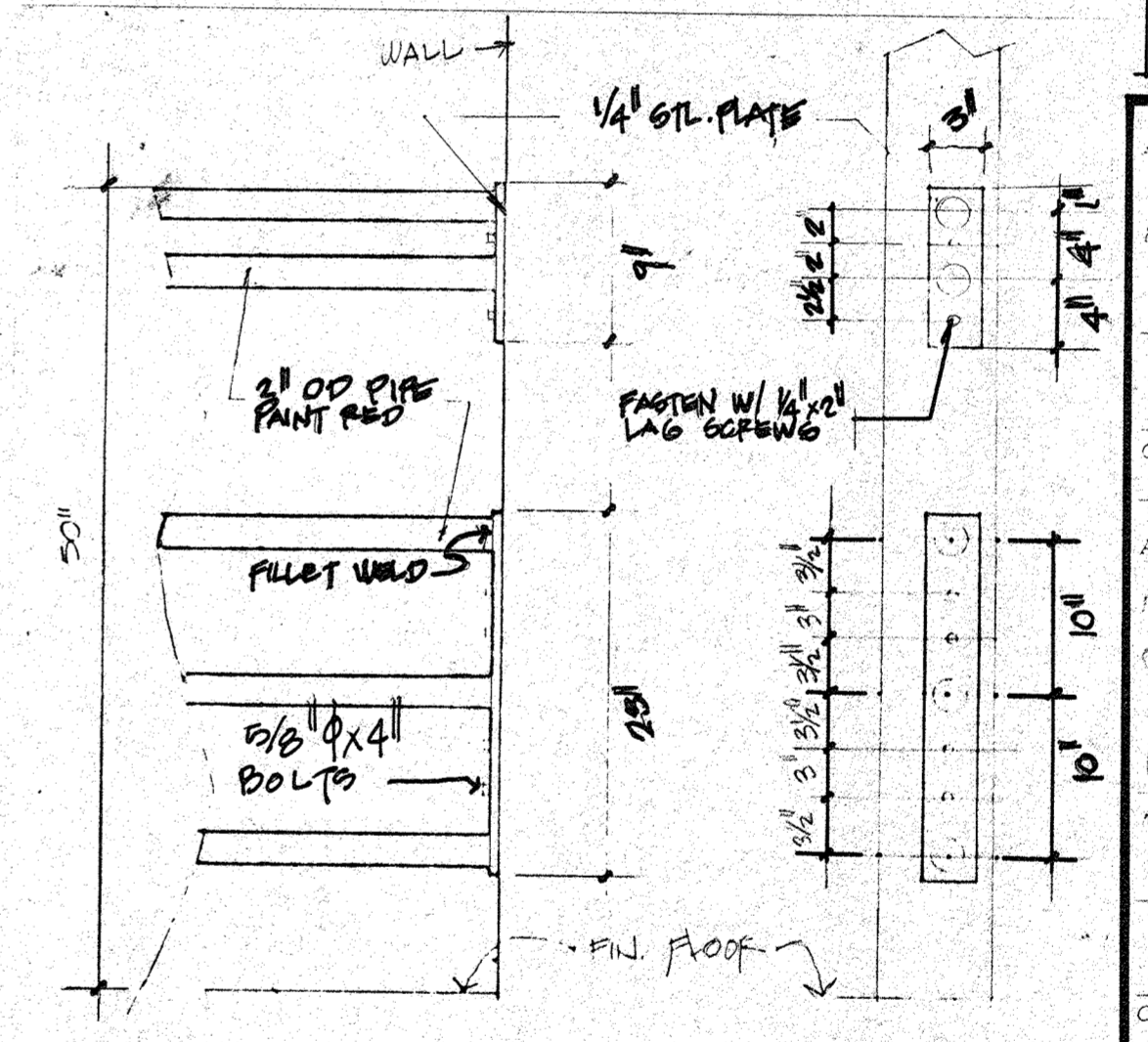


TYP. PIPE RAILING

PIPE RAILING FACIA PLATE FASTENER

PLAN OF RAILING & WALL CONNECTION

SCALE: 1/2" = 1'-0"

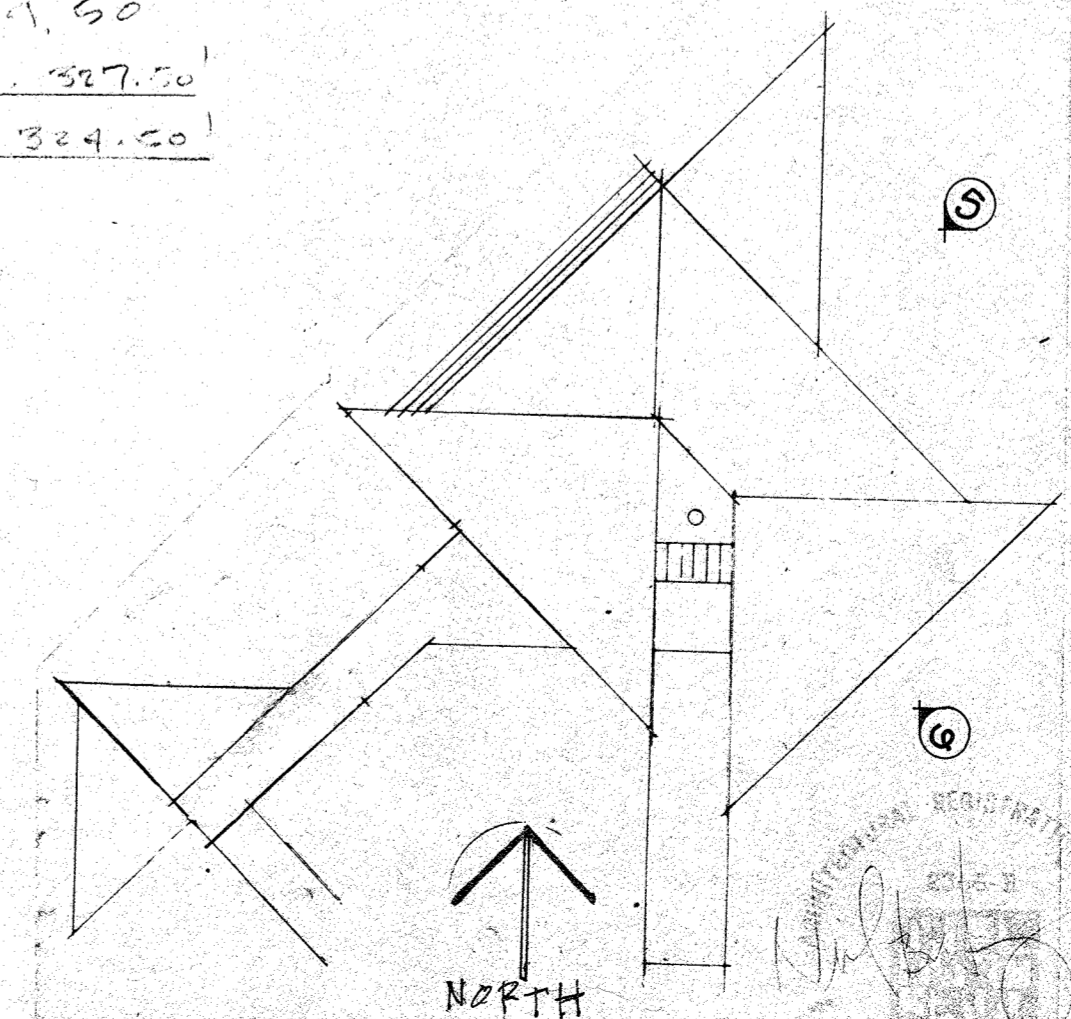


PIPE RAILING WALL PLATE FASTENER

Note:  
All Cedar Siding To Be  
1"x6" Shiplap,  
See Wall Section

APPROVED: For Public Water and Storm Drainage Systems and Roads	
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>Don F. Young</i>	8-13-86
DIRECTOR	DATE
<i>William E. Kelly</i>	8-27-85
CHIEF, BUREAU OF ENGINEERING	DATE
APPROVED: For Public Sewerage Systems	
HOWARD COUNTY HEALTH DEPARTMENT	
<i>Joyce Baker</i>	8-13-86
COUNTY HEALTH OFFICER	DATE
APPROVED: Howard County Office of Planning and Zoning	
PLANNING DIRECTOR	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	DATE

Howard County, Md., Dept. of Public Works  
for the Dept. of Rec. & Parks, 3430 Court  
House Drive, Ellicott City, Maryland.  
Election District No. 2, Howard County, MD.  
Tax Map No. 30  
Liber 513 Folio 218, Parcel 111, 54.12 ac.  
Adjacent Property Owners  
W. Zalzer, P. 92; John A. Saas & wf, P. 93;  
Joseph Douglas Taury, P. 94; Joseph Taury,  
P. 194.  
All other sides are owned by Howard County,  
Maryland.

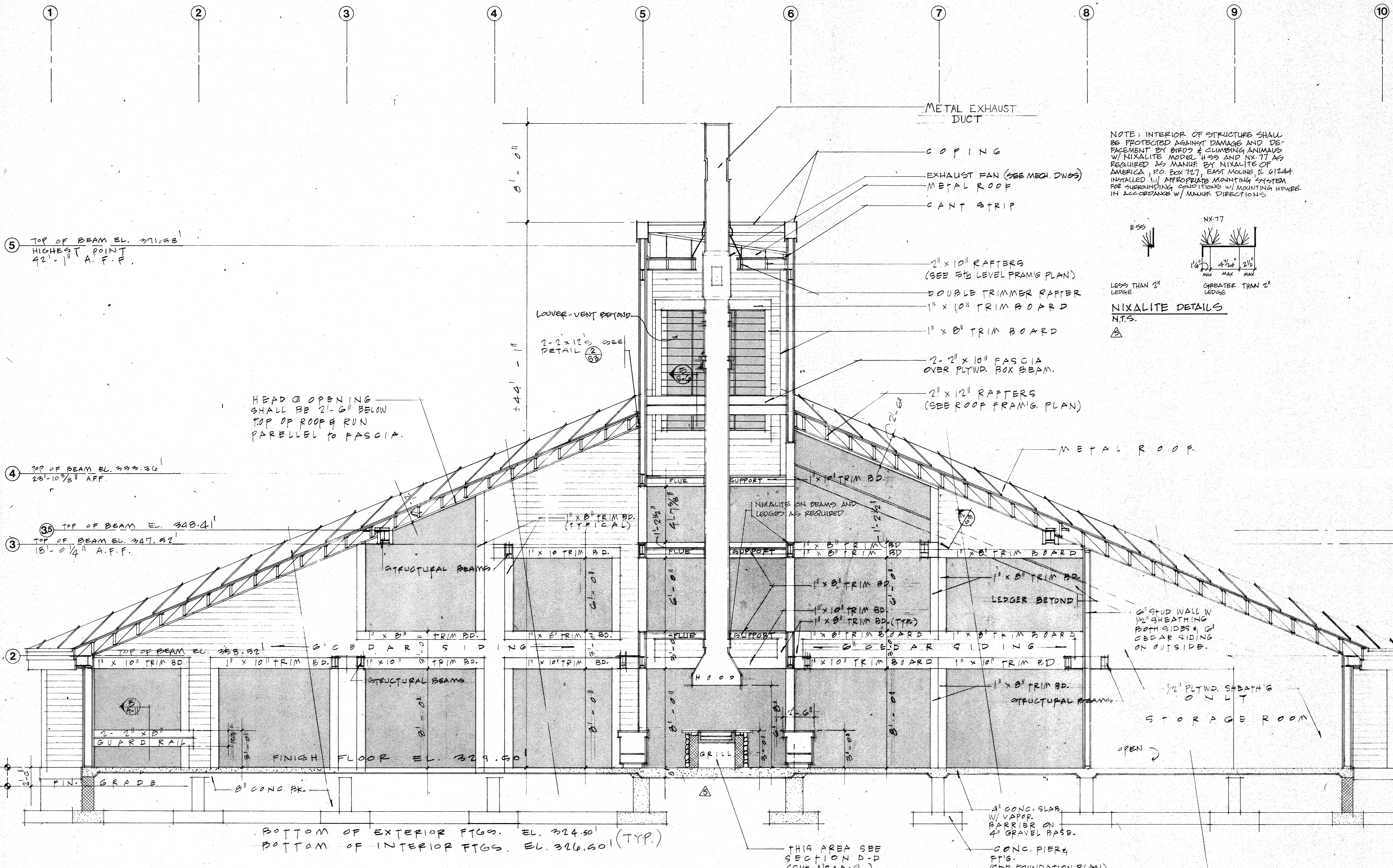


**LD LAND DESIGN / RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND

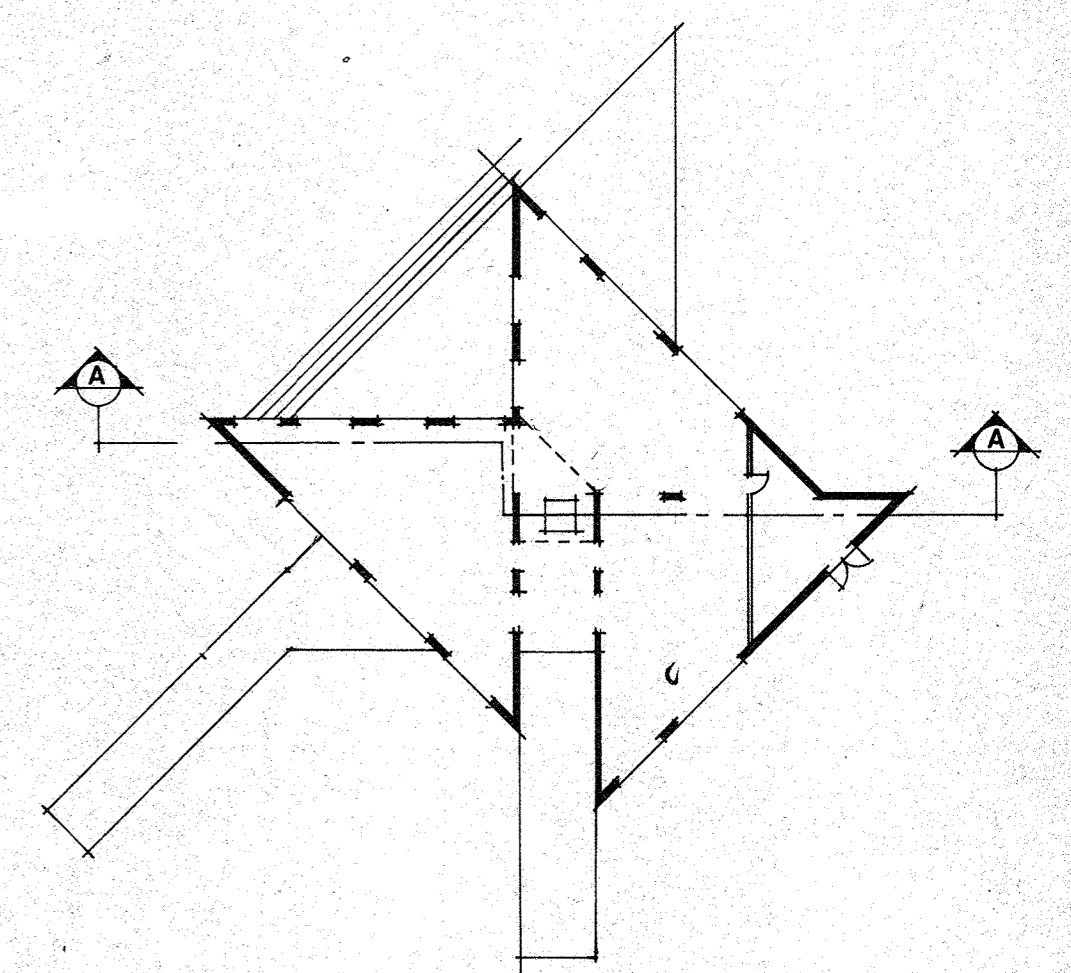
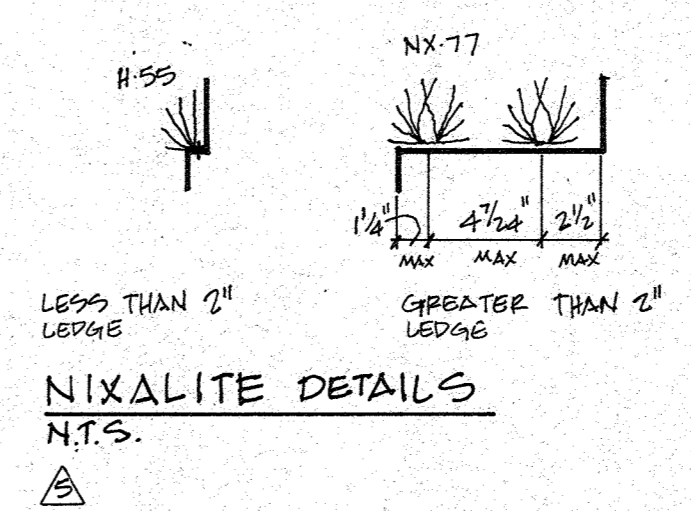
**RECREATION BUILDING  
ELEVATIONS & RAILING DETAILS  
CENTENNIAL PARK  
PHASE 3 SOUTH DAM AREA**

DATE	6-19-85	REVISIONS:		SHEET NO.
SCALE	1/8" = 1'-0"	REVISED	01/06/86	<b>A5</b>
DRAWN	M J B.	REVISED	01/06/86	OF 38
CHECKED	M J B.	REVISED	07/11/86	

Note:  
All Cedar Siding To Be  
1"X6" Shiplap,  
See Wall Section



NOTE: INTERIOR OF STRUCTURE SHALL BE PROTECTED AGAINST DAMAGE AND DEFACEMENT BY BIRDS & CLIMBING ANIMALS W/ NIXALITE MODEL H-55 AND NX-77 AS REQUIRED AS MANUF. BY NIXALITE OF AMERICA, P.O. BOX 101, EAST MOUNTAIN, IL 61244 INSTALLED W/ APPROPRIATE MOUNTING SYSTEM FOR SURROUNDING CONDITIONS W/ MOUNTING HANGERS IN ACCORDANCE W/ MANUF. DIRECTIONS



5 TOP OF BEAM EL. 371.55  
HIGHEST POINT  
42'-1 1/4" A.F.F.

4 TOP OF BEAM EL. 339.36  
23'-10 3/8" AFF.

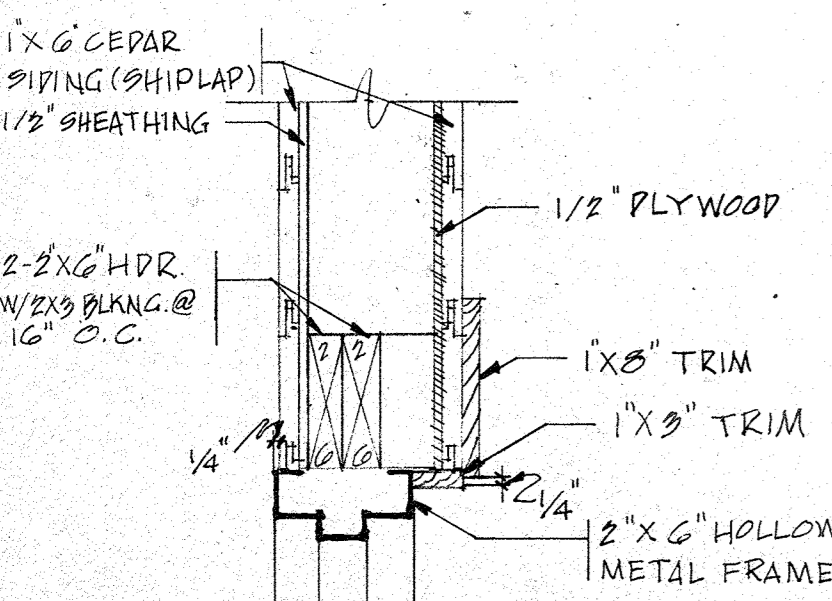
35 TOP OF BEAM EL. 340.41

3 TOP OF BEAM EL. 347.97  
18'-0 1/4" A.F.F.

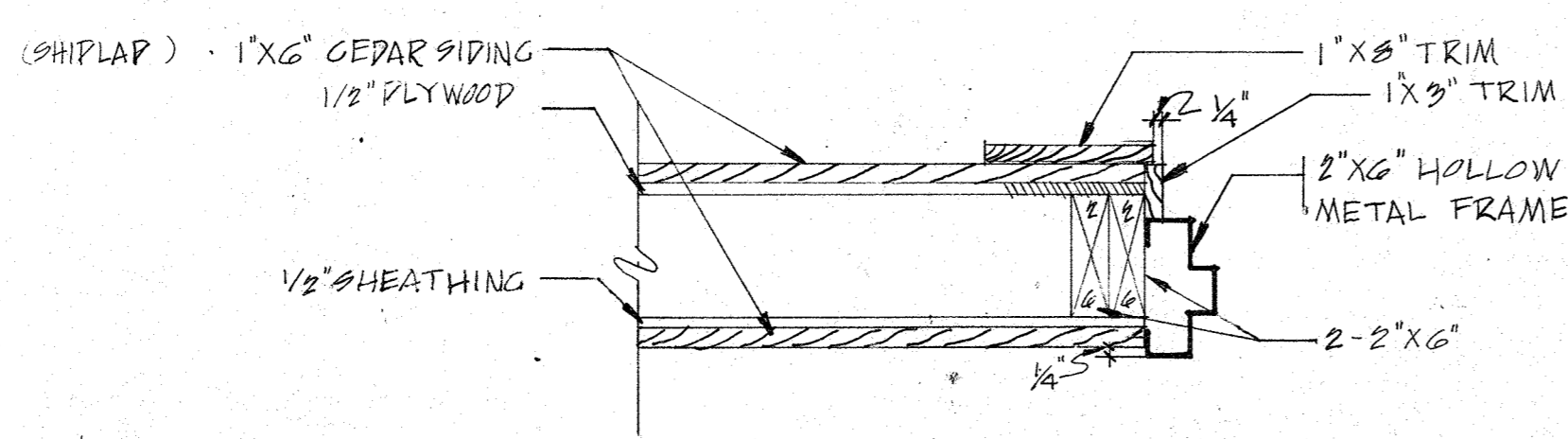
2 TOP OF BEAM EL. 338.52

HEAD @ OPENING  
SHALL BE 2'-6" BELOW  
TOP OF ROOF & RUN  
PARALLEL TO FASCIA.

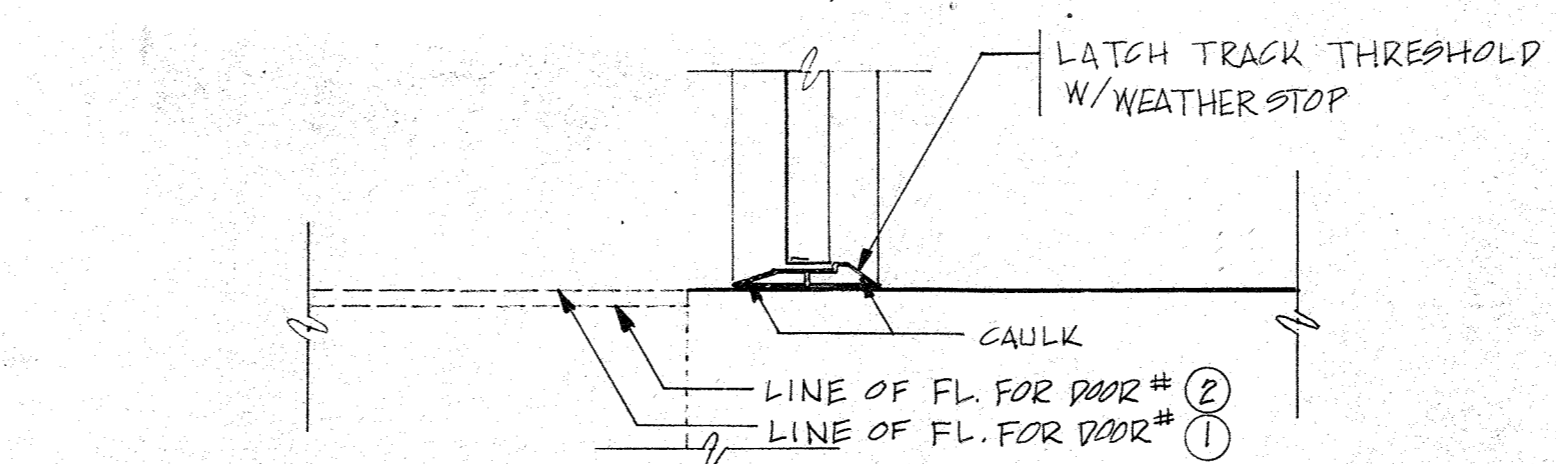
BOTTOM OF EXTERIOR FTGS. EL. 324.50'  
BOTTOM OF INTERIOR FTGS. EL. 326.50' (TYP.)



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



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



3 SILL DETAIL  
1 1/2" = 1'-0"

APPROVED: For Public Water and Storm Drainage Systems and Roads	
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>Joseph E. Nalley</i> DIRECTOR	9-3-85 DATE
<i>William B. Pinsky</i> CHIEF, BUREAU OF ENGINEERING	6-27-85 DATE
APPROVED: For Public Sewerage Systems	
HOWARD COUNTY HEALTH DEPARTMENT	
<i>John Baker</i> COUNTY HEALTH OFFICER	8-13-86 DATE
APPROVED: Howard County Office of Planning and Zoning	
PLANNING DIRECTOR	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	DATE

Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.  
Election District No. 2, Howard County, MD. Tax Map No. 30  
Liber 513 Folio 218, Parcel 111, 54.12 ac.  
Adjacent Property Owners  
W. Zaizer, P. 92; John A. Saas & wf, P. 93; Joseph Douglas Taury, P. 94; Joseph Taury, p. 194.  
All other sides are owned by Howard County, Maryland.

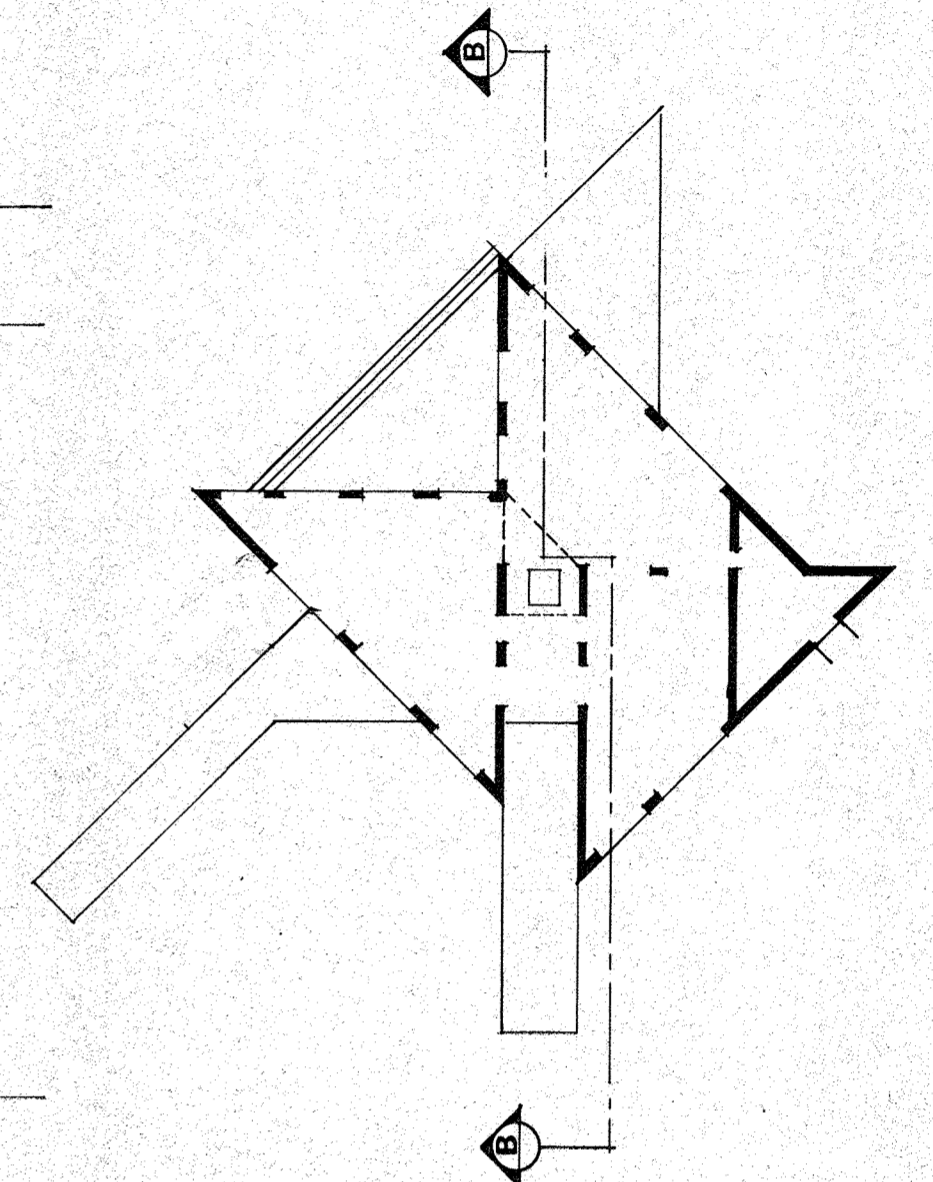
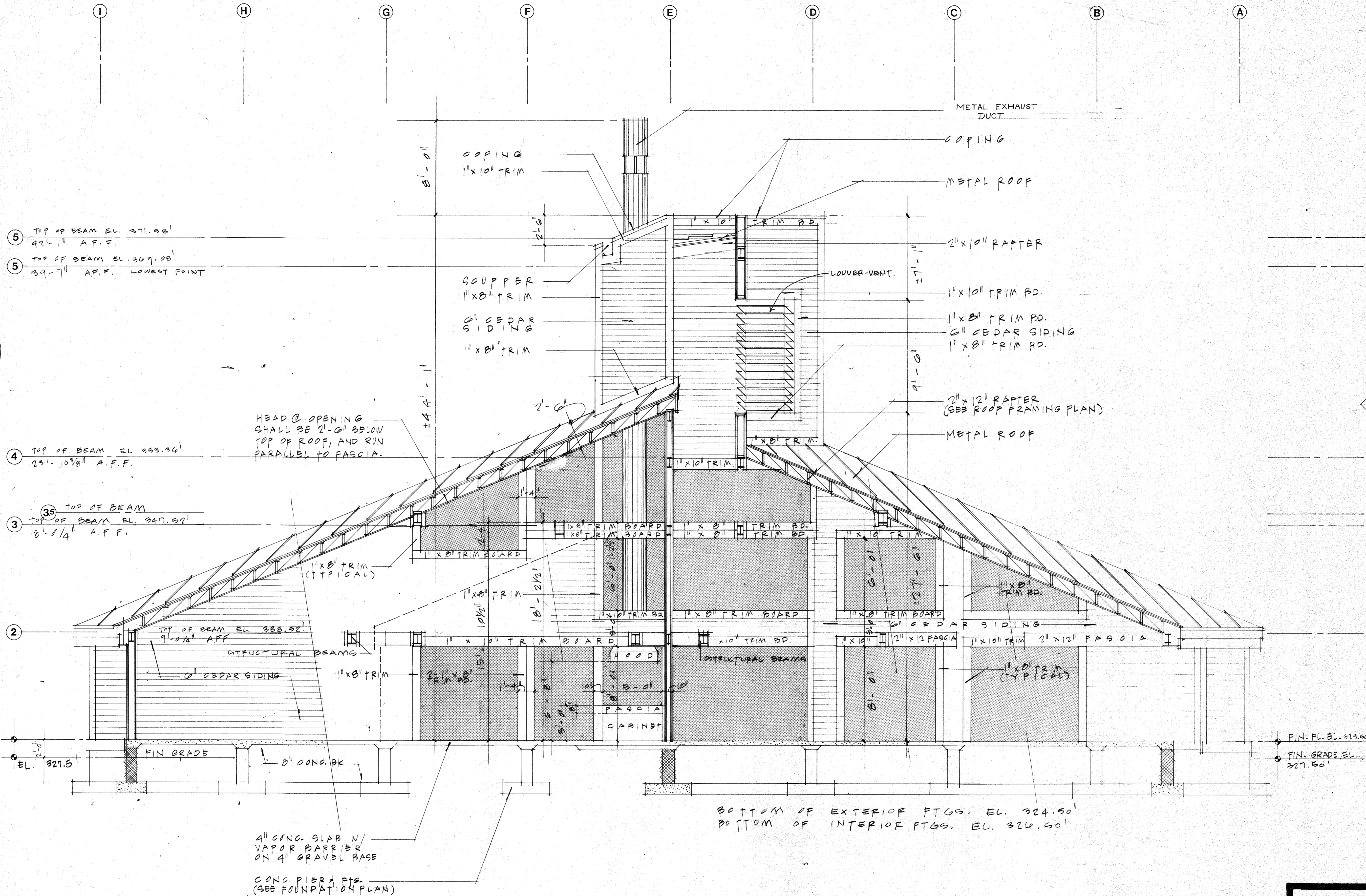
**LD R LAND DESIGN / RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND

**RECREATION BUILDING**  
SECTION A-A  
**CENTENNIAL PARK**  
PHASE 3 SOUTH DAM AREA

DATE	6-19-85	REVISIONS:	ADDED DETAILS 7/1/85	SHEET NO.
SCALE	1/4" = 1'-0"	1	2	A6
DRAWN	T.R. BOKERT	2	3	OF 38
CHECKED	1-21-84	REVISED AS PER REMARKS ON 07/10/85 SHEET 32		



Note:  
All Cedar Siding To Be  
1"X6" Shiplap,  
See Wall Section



APPROVED: For Public Water and Storm Drainage  
Systems and Roads  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Steve F. [Signature]* 7-7-85  
DIRECTOR DATE  
*William B. Ray* 6-27-85  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: For Public Sewerage Systems  
HOWARD COUNTY HEALTH DEPARTMENT  
*Joyan [Signature]* 8-13-86  
COUNTY HEALTH OFFICER DATE

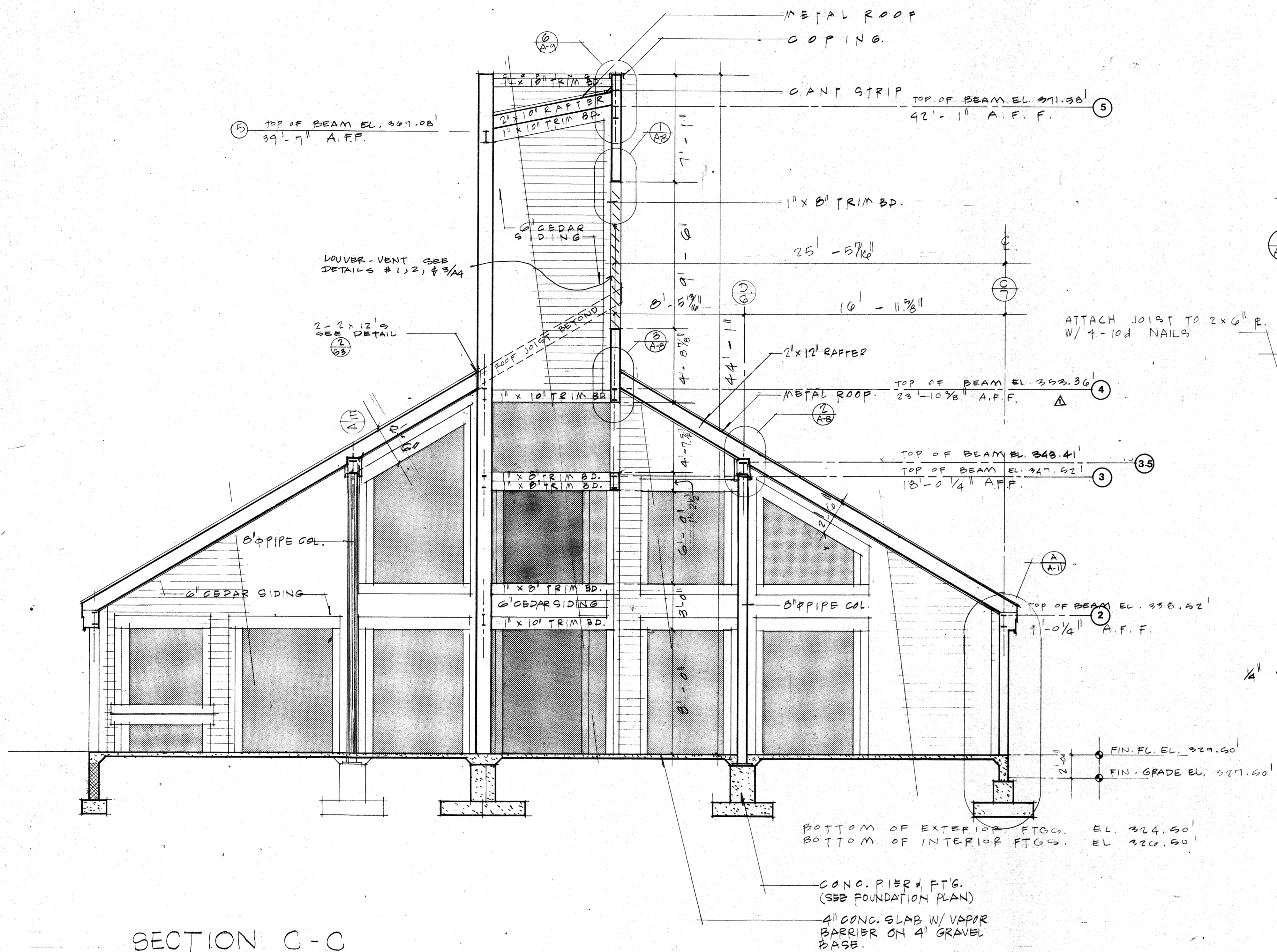
APPROVED: Howard County Office of Planning and Zoning  
PLANNING DIRECTOR DATE  
CHIEF, DIVISION OF LAND DEVELOPMENT  
AND ZONING ADMINISTRATION DATE

Howard County, Md., Dept. of Public Works  
for the Dept. of Rec. & Parks, 3430 Court  
House Drive, Ellicott City, Maryland.  
Election District No. 2, Howard County, Md.  
Tax Map No. 30  
Liber 513 Folio 218, Parcel 111, 54.12 ac.  
Adjacent Property Owners  
W. Zalzer, P. 92; John A. Saas & wf, P. 93;  
Joseph Douglas Taury, P. 94; Joseph Taury,  
P. 194.  
All other sides are owned by Howard County,  
Maryland.

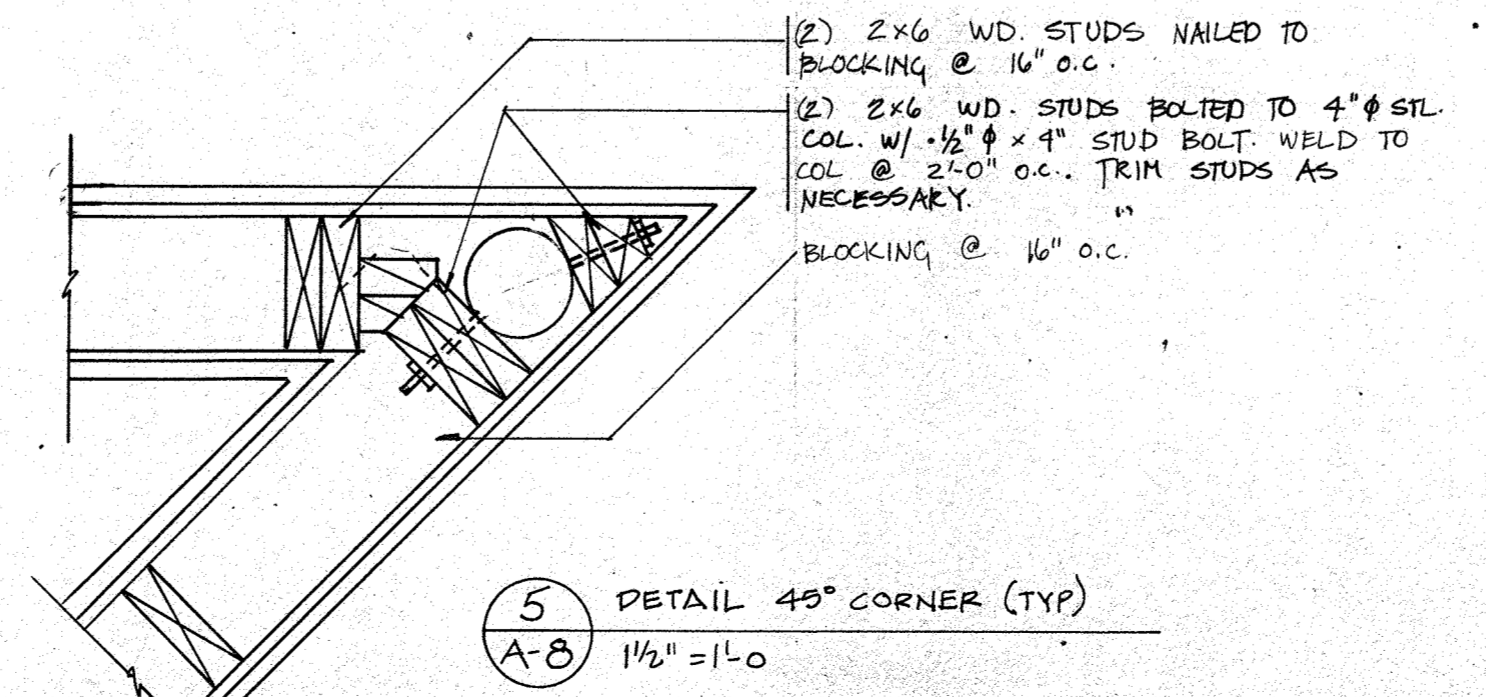
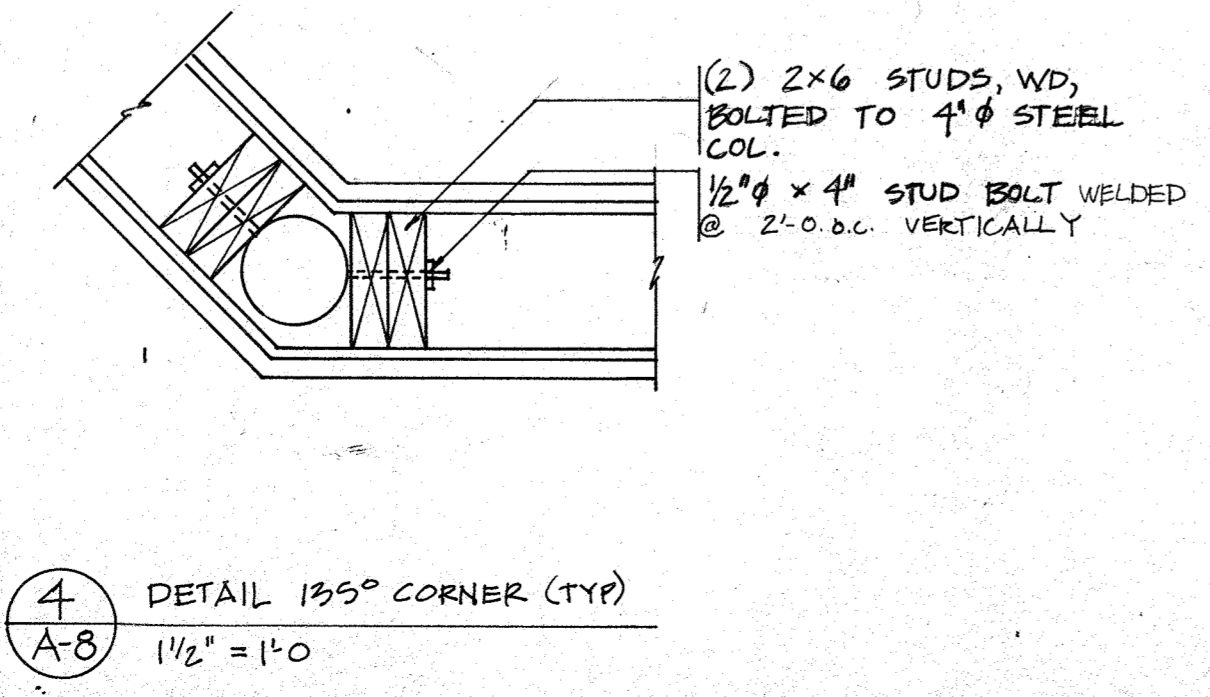
**LD LAND DESIGN/RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND

**RECREATION BUILDING  
SECTION B-B  
CENTENNIAL PARK  
PHASE 3 SOUTH DAM AREA**

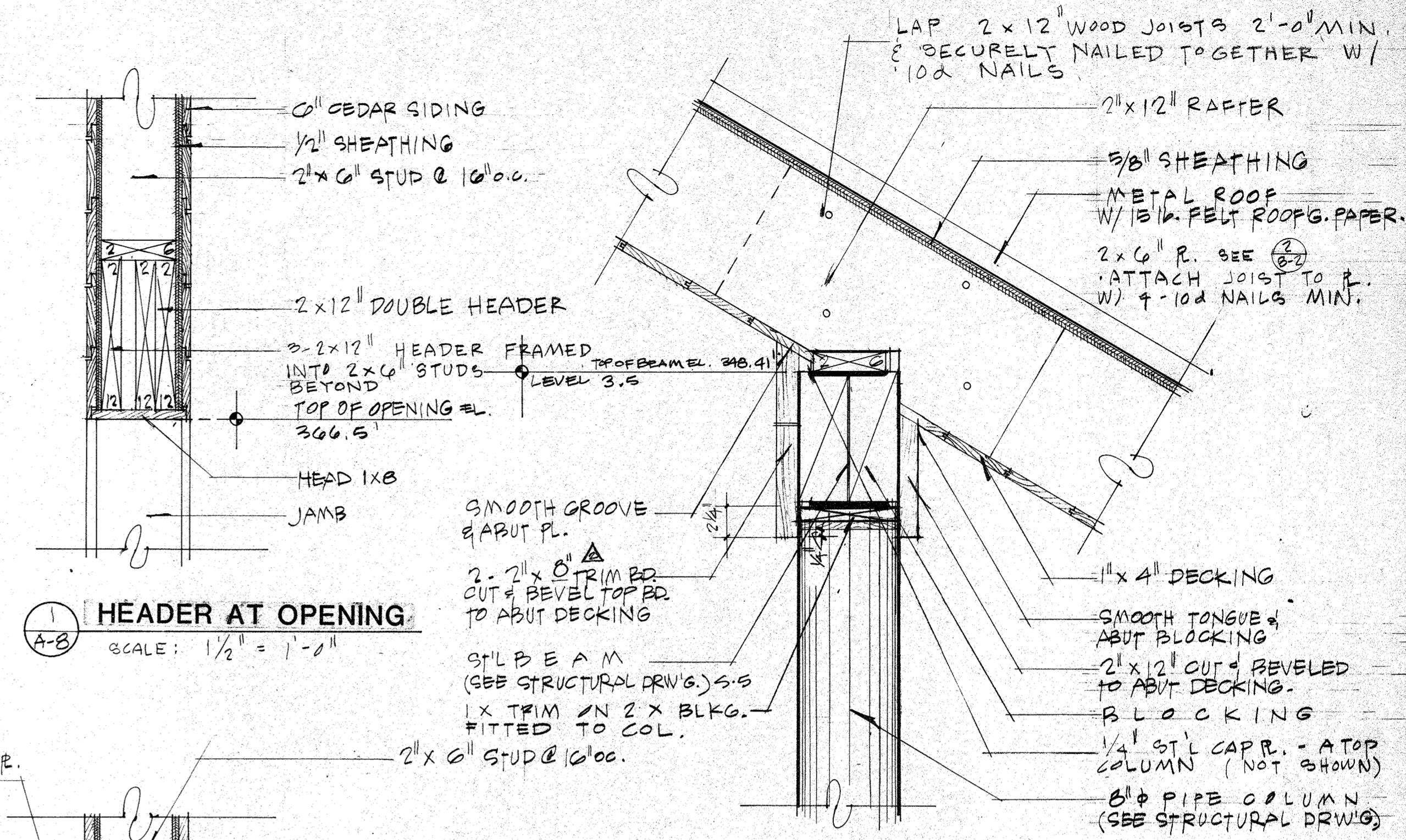
DATE	6-19-85	REVISIONS:	SHEET NO.
SCALE	1/4" = 1'-0"		<b>A7</b>
DRAWN	F.R. BOKERT		OF 38
CHECKED	[Signature]		



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



1  
A-B  
HEADER AT OPENING  
SCALE: 1/2" = 1'-0"



2  
A-B  
8" PIPE COL. AT ROOF  
SCALE: 1/2" = 1'-0"

Note:  
All Cedar Siding To Be 1"x6" Shiplap,  
See Wall Section

APPROVED: For Public Water and Storm Drainage Systems and Roads	
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>John F. ...</i>	9-3-85
DIRECTOR	DATE
<i>William S. ...</i>	8-27-85
CHIEF, BUREAU OF ENGINEERING	DATE
APPROVED: For Public Sewerage Systems	
HOWARD COUNTY HEALTH DEPARTMENT	
<i>John ...</i>	8-13-86
COUNTY HEALTH OFFICER	DATE
APPROVED: Howard County Office of Planning and Zoning	
PLANNING DIRECTOR	
DATE	
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	
DATE	

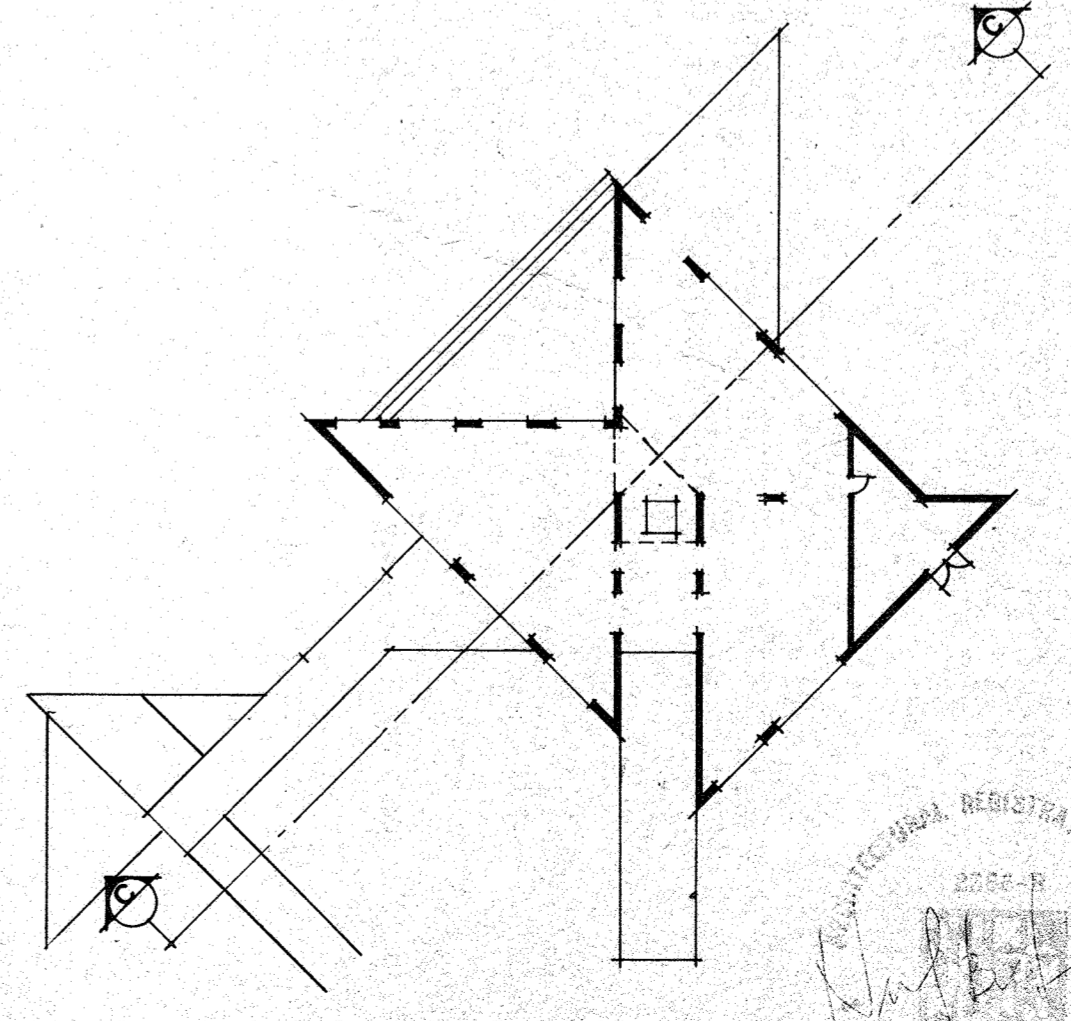
Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.

Election District No. 2, Howard County, MD. Tax Map No. 30

Liber 513 Folio 218, Parcel 111, 54.12 ac.

Adjacent Property Owners  
W. Zaizer, P. 92; John A. Saas & wf, P. 93; Joseph Douglas Taury, P. 94; Joseph Taury, p. 194.

All other sides are owned by Howard County, Maryland.

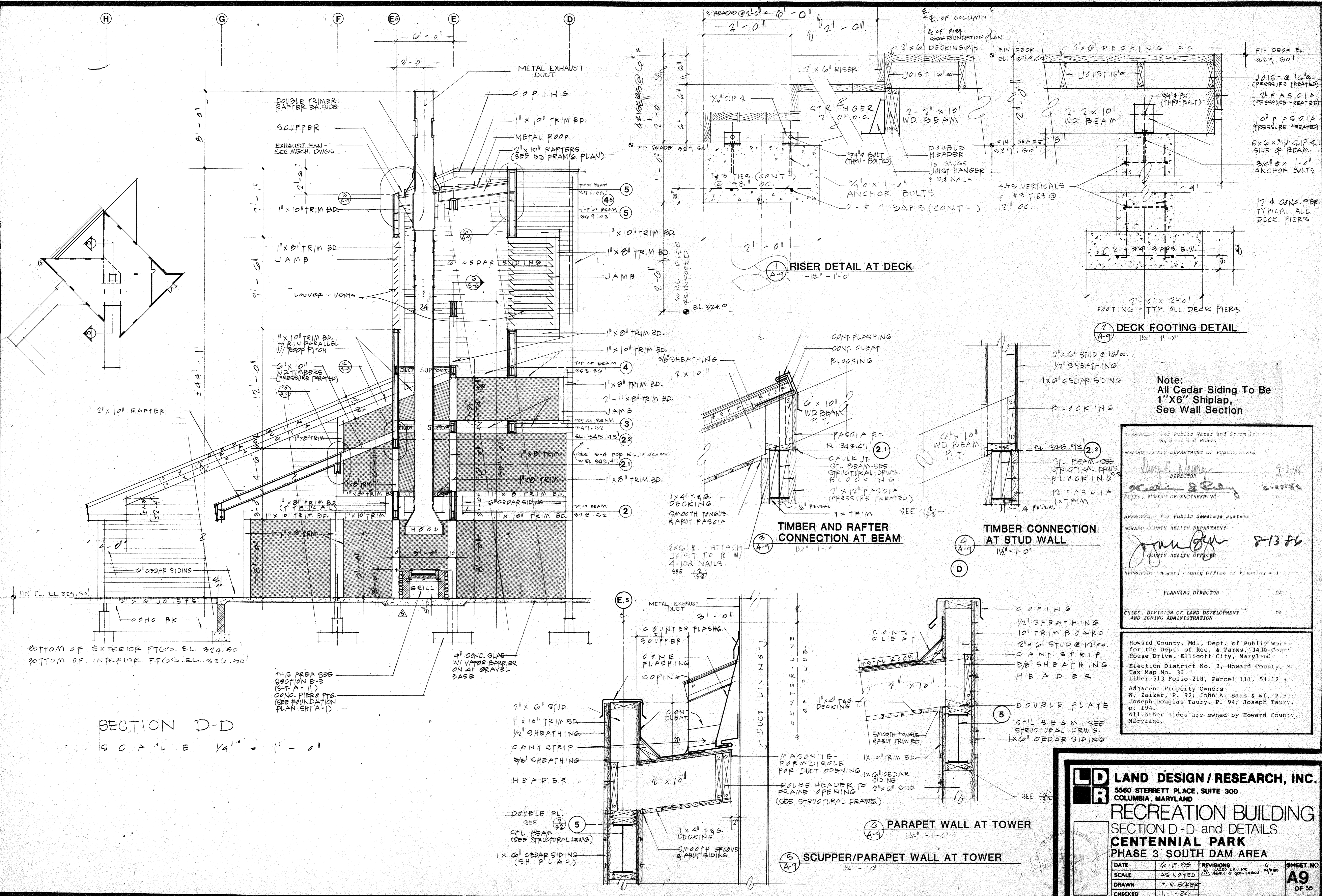


**LD LAND DESIGN / RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND

**RECREATION BUILDING**  
SECTION C-C AND DETAILS  
CENTENNIAL PARK  
PHASE 3 SOUTH DAM AREA

DATE	6-19-85	REVISIONS:	AS NOTED	SHEET NO.
SCALE	AS NOTED	Δ	TRIM WIDTH SPECIFIED 01/06/86	<b>A8</b> OF 35
DRAWN	T.R. ECKER	Δ	ADDED DETAILS #1, #2, #3, #4	
CHECKED	11-1-84			

SDP-86-02



Note:  
All Cedar Siding To Be  
1"X6" Shiplap,  
See Wall Section

APPROVED: For Public Water and Storm Drainage Systems and Roads  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Walter E. Riley*  
DIRECTOR

APPROVED: For Public Sewerage Systems  
HOWARD COUNTY HEALTH DEPARTMENT  
*John J. ...*  
COUNTY HEALTH OFFICER

APPROVED: Howard County Office of Planning  
PLANNING DIRECTOR

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

Howard County, Md., Dept. of Public Works  
for the Dept. of Rec. & Parks, 3430 Court  
House Drive, Ellicott City, Maryland.  
Election District No. 2, Howard County, MD.  
Tax Map No. 30  
Liber 513 Folio 218, Parcel 111, 54.12 ...  
Adjacent Property Owners  
W. Zaizer, P. 92; John A. Saas & wf, P. 93;  
Joseph Douglas Taury, P. 94; Joseph Taury,  
p. 194.  
All other sides are owned by Howard County,  
Maryland.

**LD LAND DESIGN / RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND

**RECREATION BUILDING**  
SECTION D-D and DETAILS  
CENTENNIAL PARK  
PHASE 3 SOUTH DAM AREA

DATE	6-11-85	REVISIONS:	6-11-85	SHEET NO.
SCALE	AS NOTED	1. AS NOTED FOR	1/4" = 1'-0"	A9
DRAWN	T. R. ECKER	2. AS NOTED FOR	1/4" = 1'-0"	OF 38
CHECKED	11-1-84	3. AS NOTED FOR	1/4" = 1'-0"	

SECTION D-D  
SCALE 1/4" = 1'-0"

BOTTOM OF EXTERIOR FTGS. EL. 324.50  
BOTTOM OF INTERIOR FTGS. EL. 326.50

THIS AREA SEE  
SECTION B-B  
(SHT. A-11)  
CONC. PIERS & P.T.  
(SEE FOUNDATION  
PLAN SHT. A-1)

4" CONC. SLAB  
W/ VAPOR BARRIER  
ON 4" GRAVEL  
BASE

TIMBER AND RAFTER  
CONNECTION AT BEAM

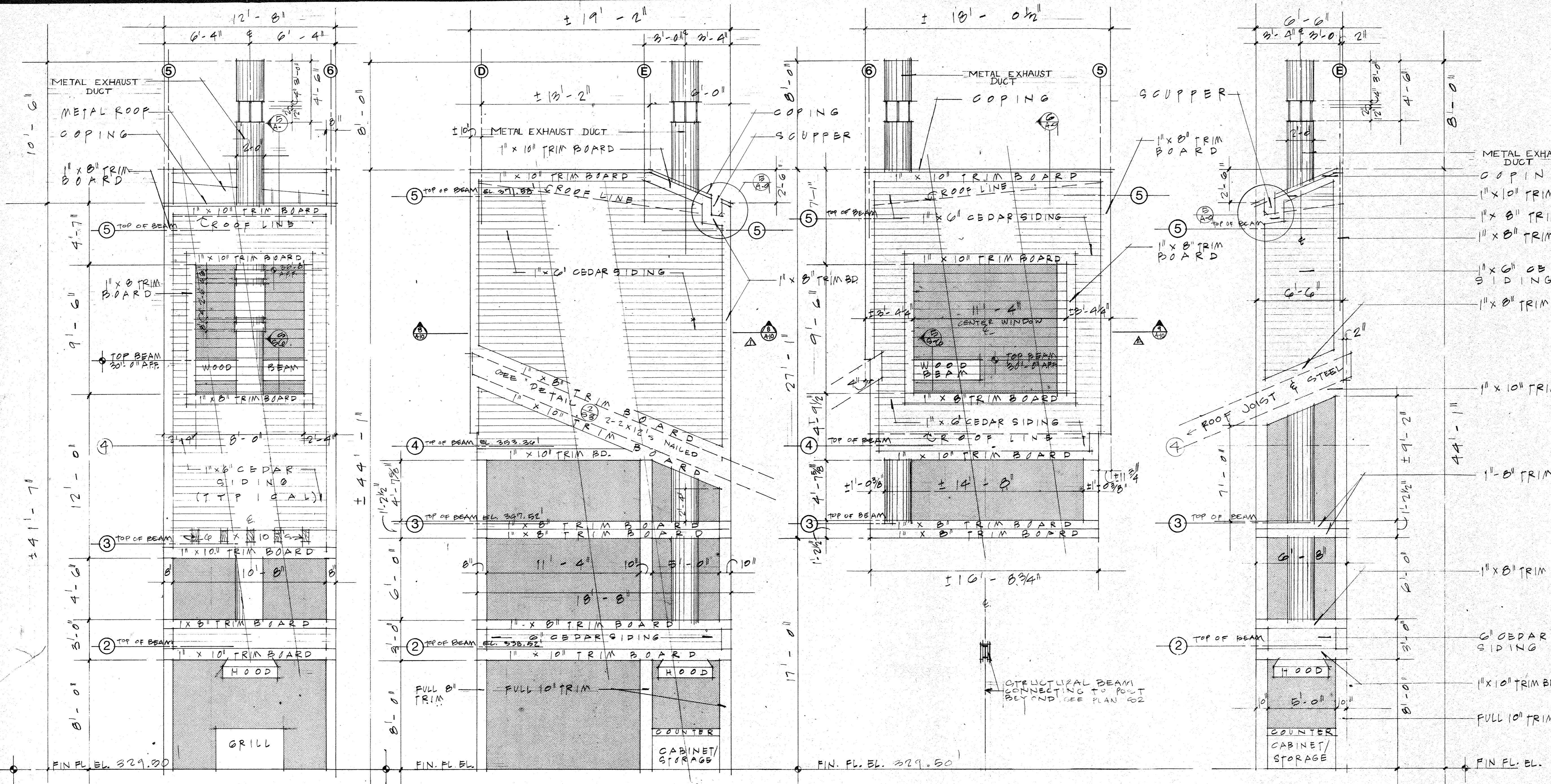
TIMBER CONNECTION  
AT STUD WALL

PARAPET WALL AT TOWER

SCUPPER/PARAPET WALL AT TOWER

DECK FOOTING DETAIL

RISER DETAIL AT DECK



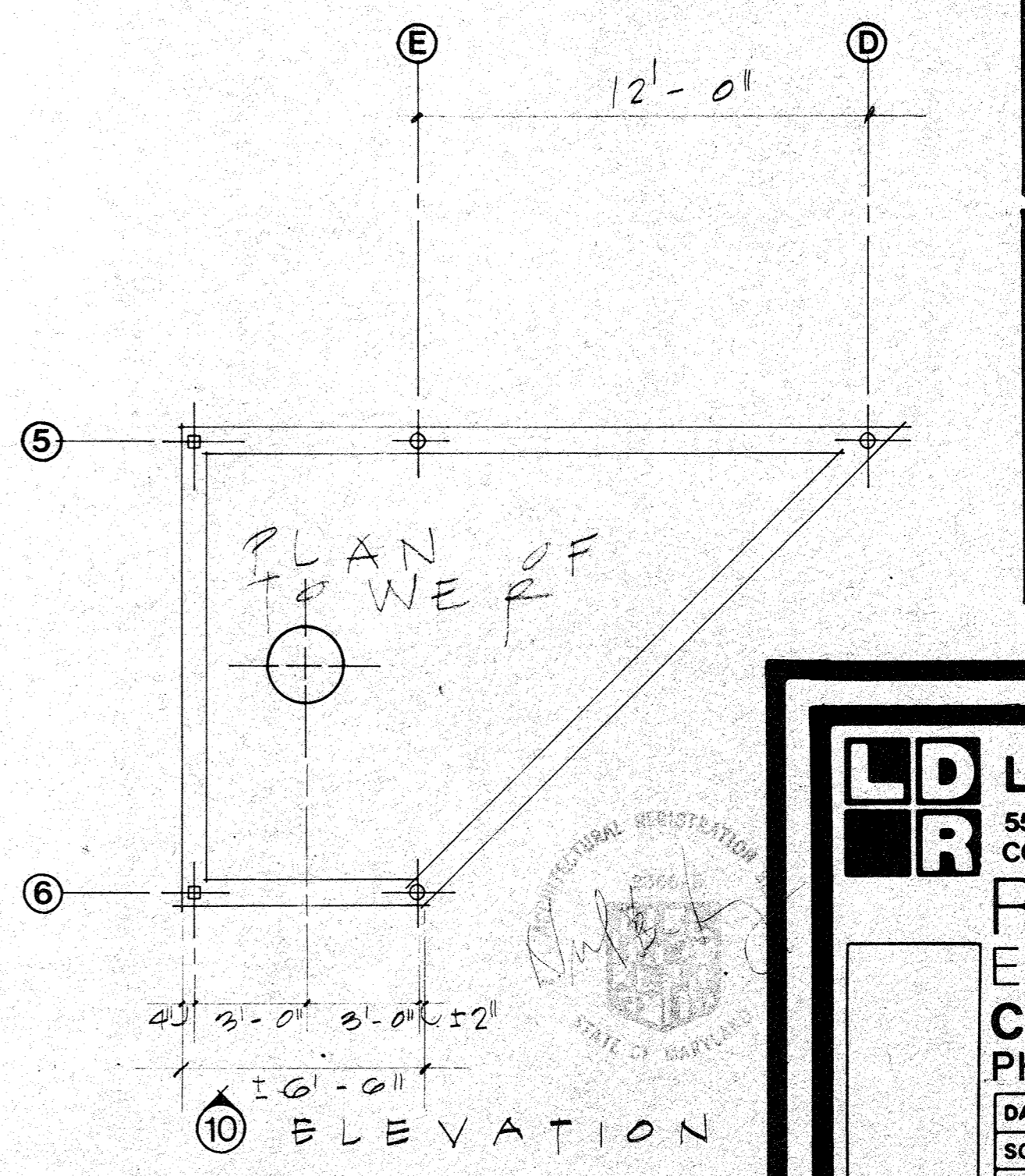
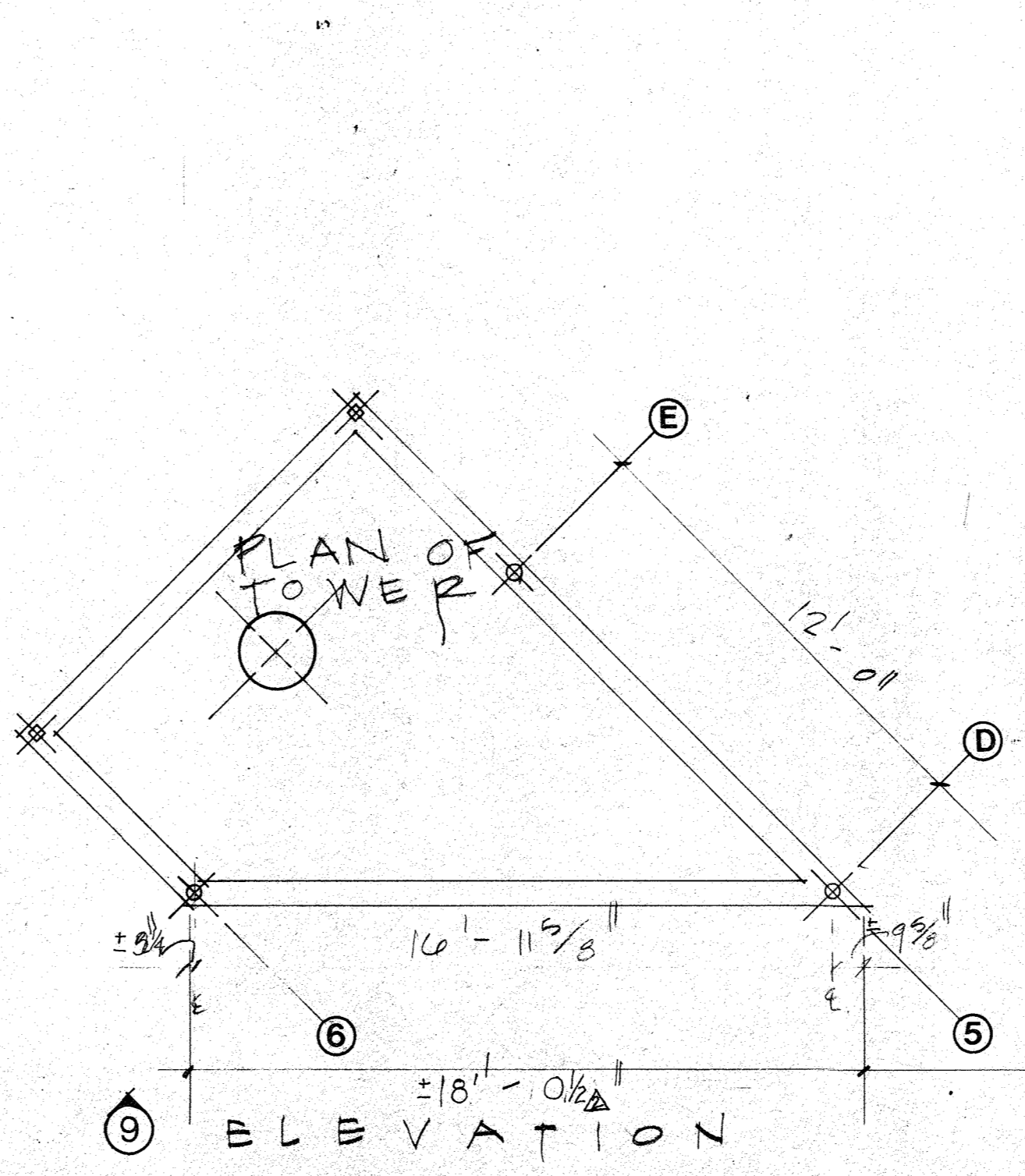
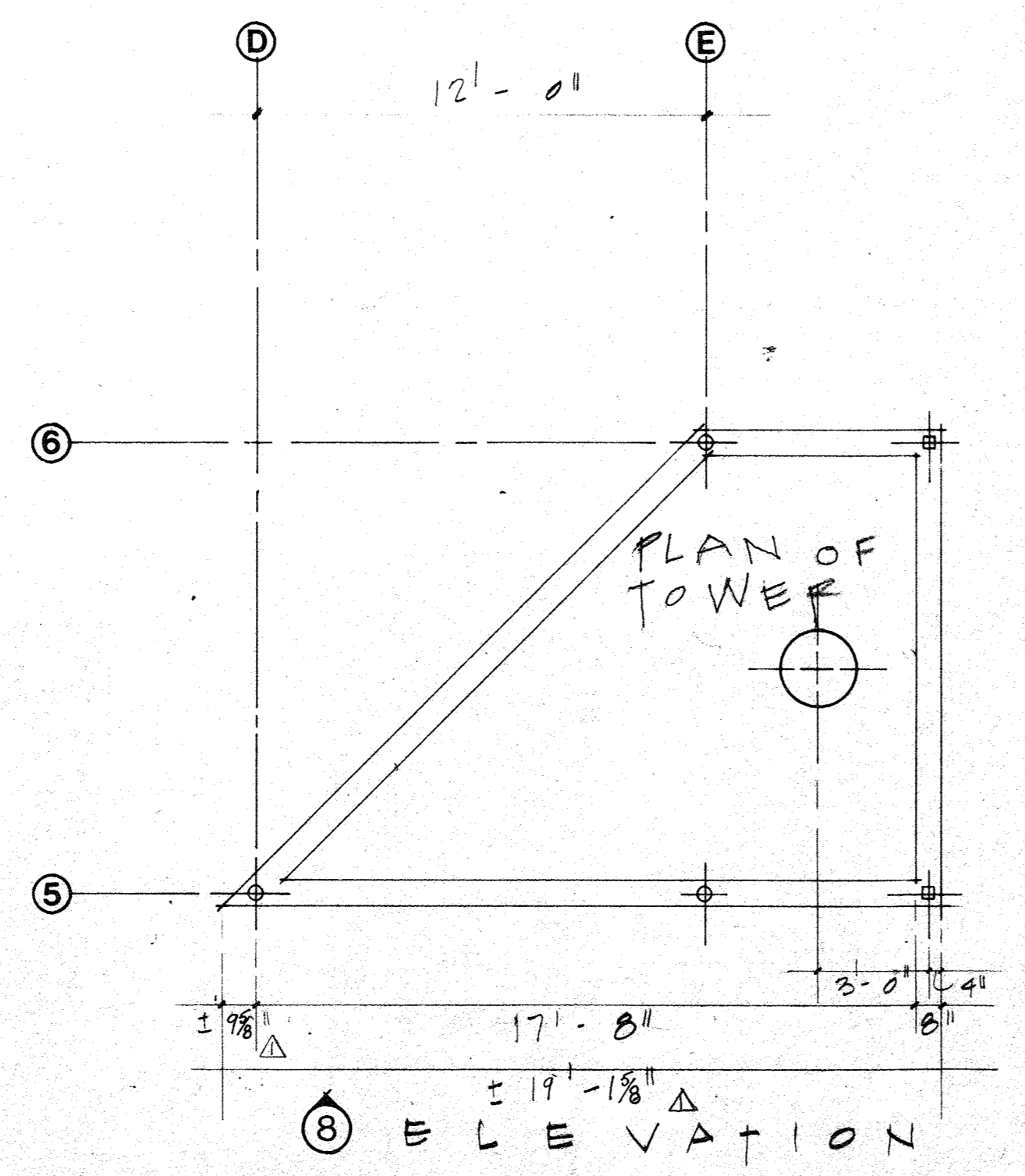
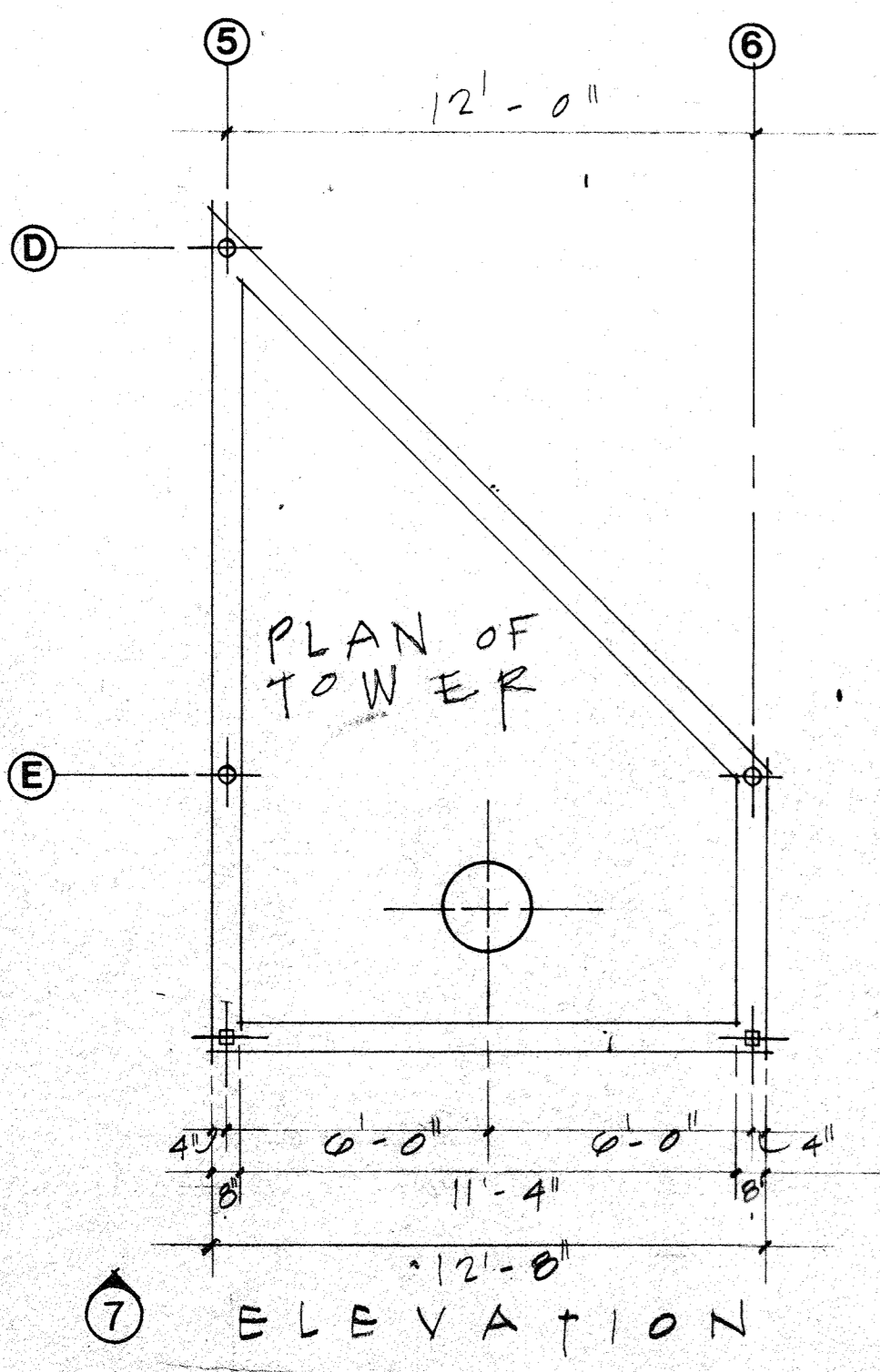
Note:  
All Cedar Siding To Be  
1"x6" Shiplap,  
See Wall Section

APPROVED: For Public Water and Storm Drainage Systems and Roads  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *Wayne Nunn* DATE: 9-3-85  
 Chief, Bureau of Engineering: *William B. Ray* DATE: 6-27-85

APPROVED: For Public Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer: *John G. ...* DATE: 8-13-86

APPROVED: Howard County Office of Planning and Zoning  
 Planning Director: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Chief, Division of Land Development and Zoning Administration: \_\_\_\_\_ DATE: \_\_\_\_\_

Howard County, Md., Dept. of Public Works  
 for the Dept. of Rec. & Parks, 3430 Court  
 House Drive, Ellicott City, Maryland.  
 Election District No. 2, Howard County, MD.  
 Tax Map No. 30  
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 Adjacent Property Owners  
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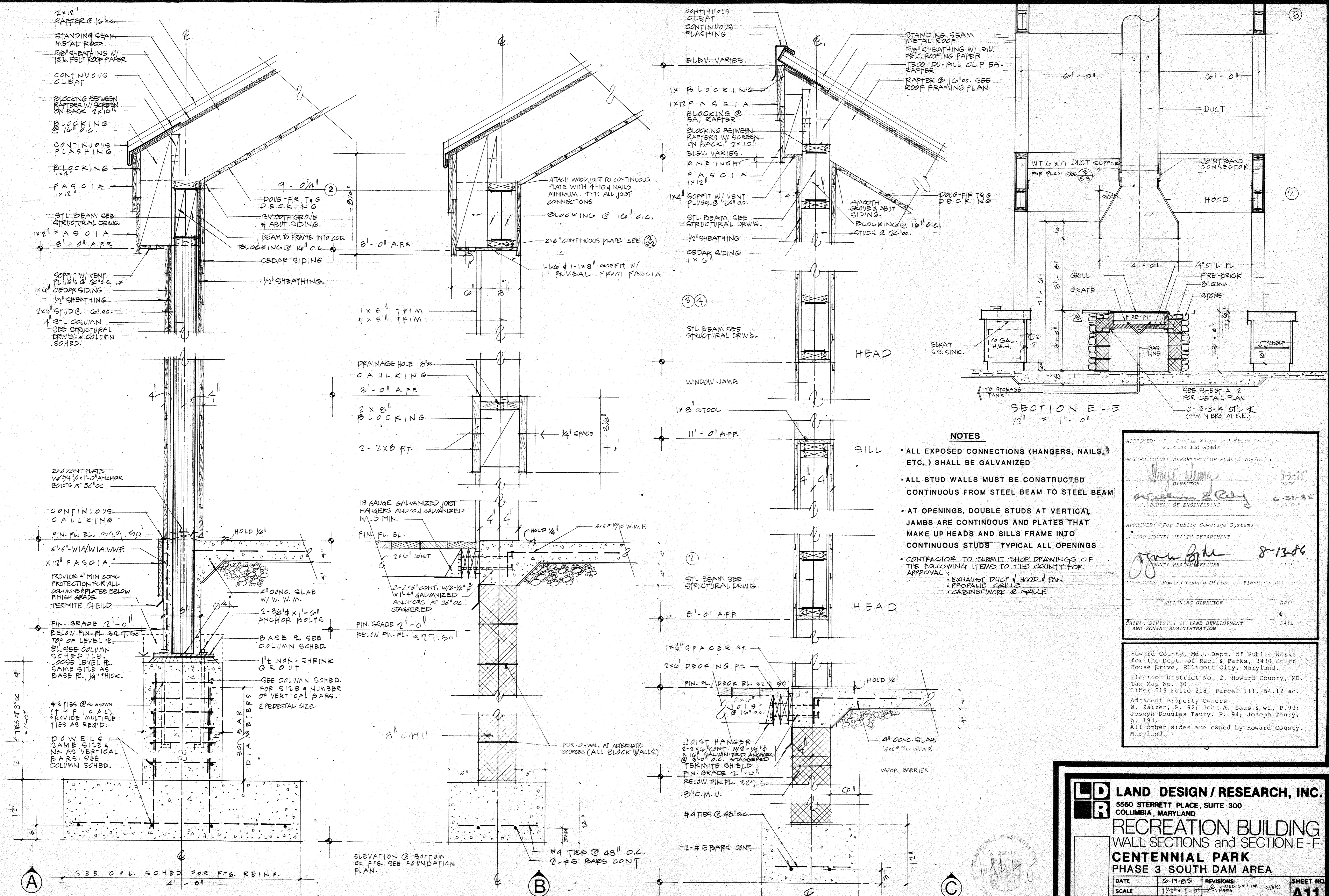


**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND

**RECREATION BUILDING  
 ELEVATIONS OF TOWER  
 CENTENNIAL PARK  
 PHASE 3 SOUTH DAM AREA**

DATE	6-19-85	REVISIONS:	△ ELEV. 8 DIM. REVISED 9/100/86	SHEET NO. <b>A10</b> OF 38
SCALE	1/4" = 1'-0"	△ ELEV. 9 DIM. REVISED 9/100/86		
DRAWN	T.R. ECKERT			
CHECKED	11-1-84			

SDP-86-02



- NOTES**
- ALL EXPOSED CONNECTIONS (HANGERS, NAILS, ETC.) SHALL BE GALVANIZED
  - ALL STUD WALLS MUST BE CONSTRUCTED CONTINUOUS FROM STEEL BEAM TO STEEL BEAM
  - AT OPENINGS, DOUBLE STUDS AT VERTICAL JAMBS ARE CONTINUOUS AND PLATES THAT MAKE UP HEADS AND SILLS FRAME INTO CONTINUOUS STUDS TYPICAL ALL OPENINGS
  - CONTRACTOR TO SUBMIT SHOP DRAWINGS OF THE FOLLOWING ITEMS TO THE COUNTY FOR APPROVAL:
    - EXHAUST DUCT & HOOD & FAN
    - PROPANE GRILLE
    - CABINET WORK & GRILLE

APPROVED: For Public Water and Storm Drainage Systems and Roads  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Shane Nemy* DIRECTOR 9-7-85  
*William E. Kelly* 6-27-85  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: For Public Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
*John B. ...* 8-13-86  
 COUNTY HEALTH OFFICER

APPROVED: Howard County Office of Planning and Zoning Administration  
 PLANNING DIRECTOR DATE 6  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.  
 Election District No. 2, Howard County, MD. Tax Map No. 30  
 Liber 513 Folio 218, Parcel 111, 54.12 ac.  
 Adjacent Property Owners  
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 All other sides are owned by Howard County, Maryland.

**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND

**RECREATION BUILDING**  
 WALL SECTIONS and SECTION E-E  
**CENTENNIAL PARK**  
 PHASE 3 SOUTH DAM AREA

DATE	6-19-85	REVISIONS:	DATE	SHEET NO.
SCALE	1/2" = 1'-0"	1/2" = 1'-0"	07/1/86	<b>A11</b>
DRAWN	T.R. BOCKERT	DATE		OF 36
CHECKED	11-1-84			

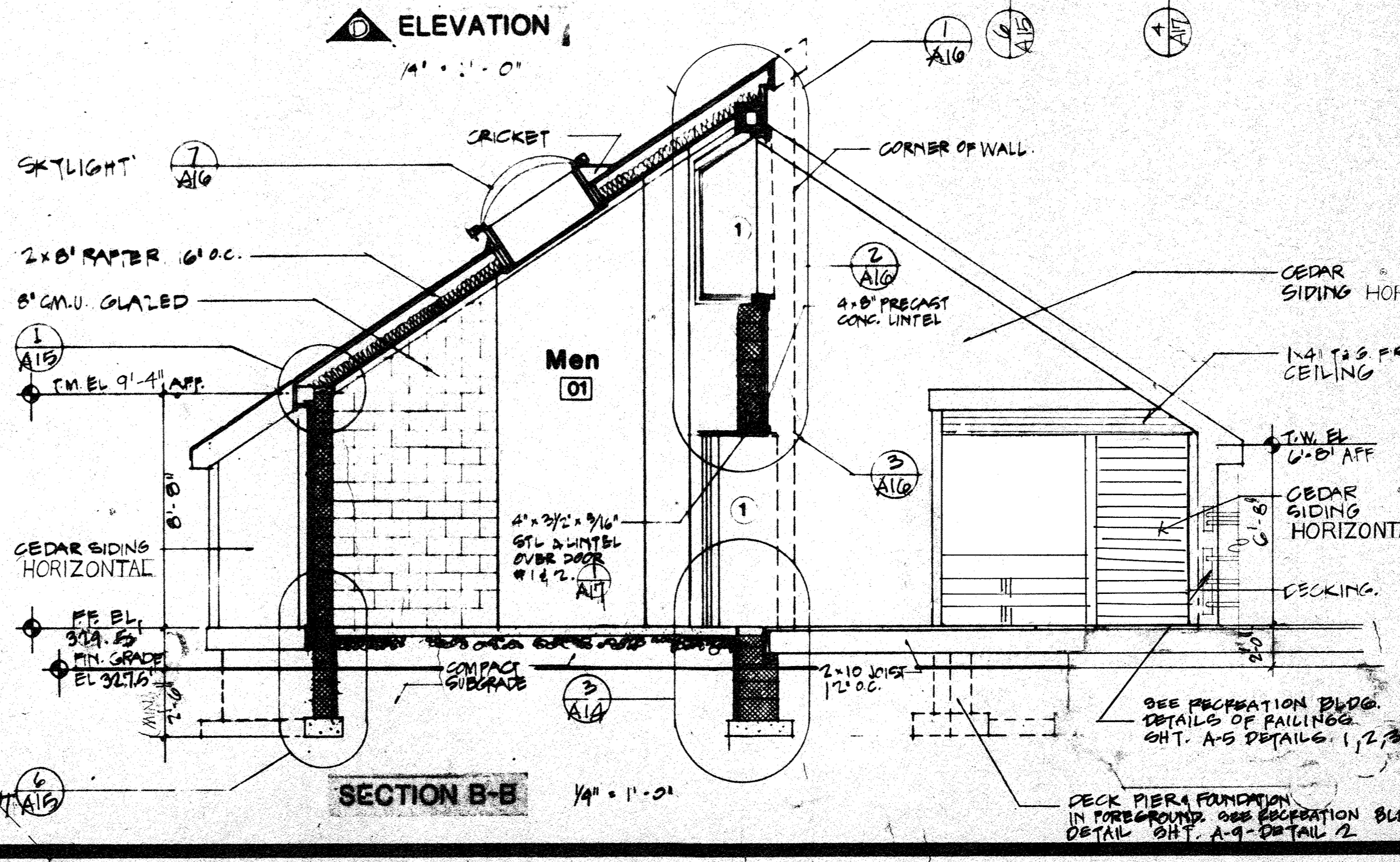
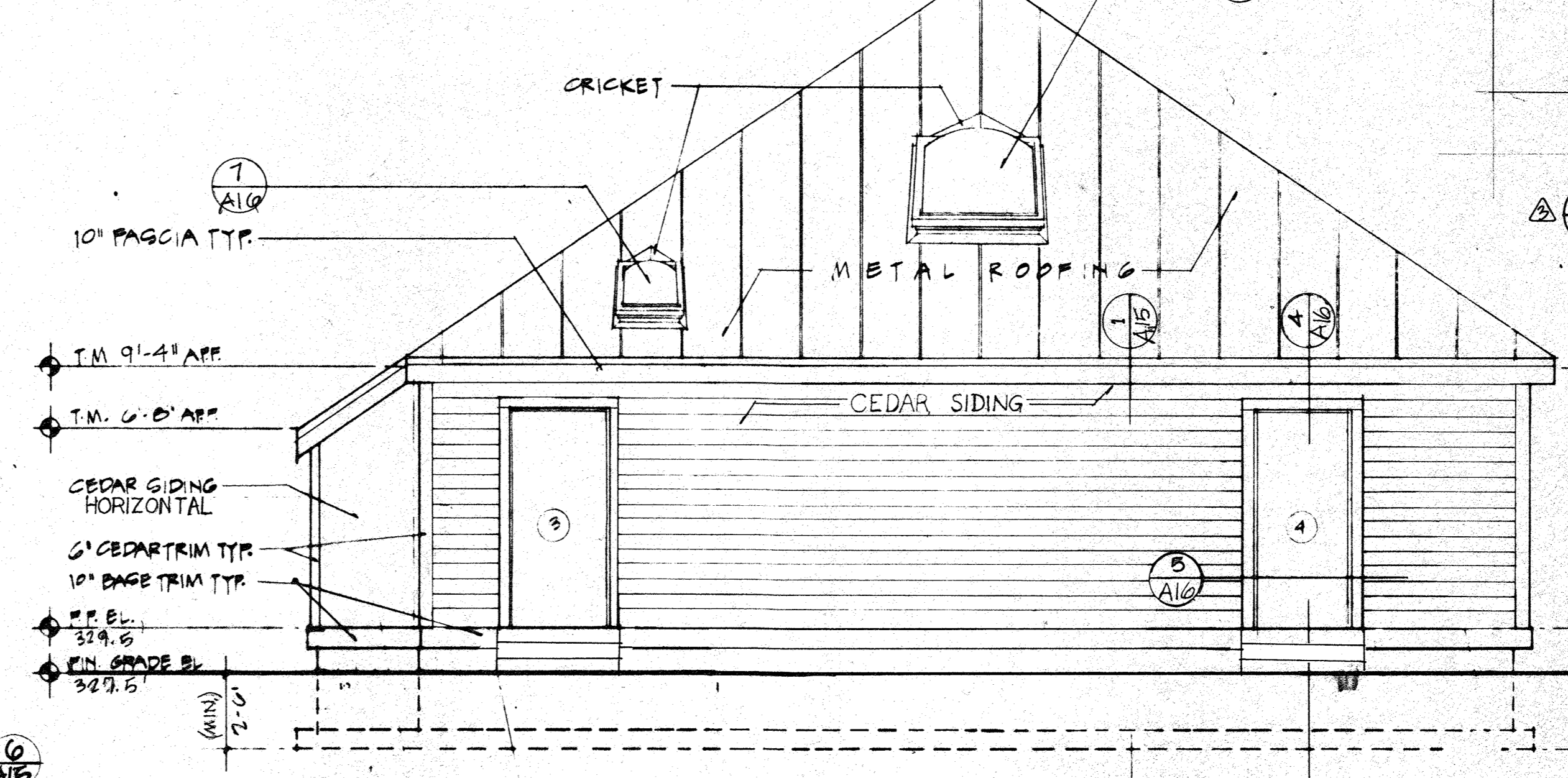
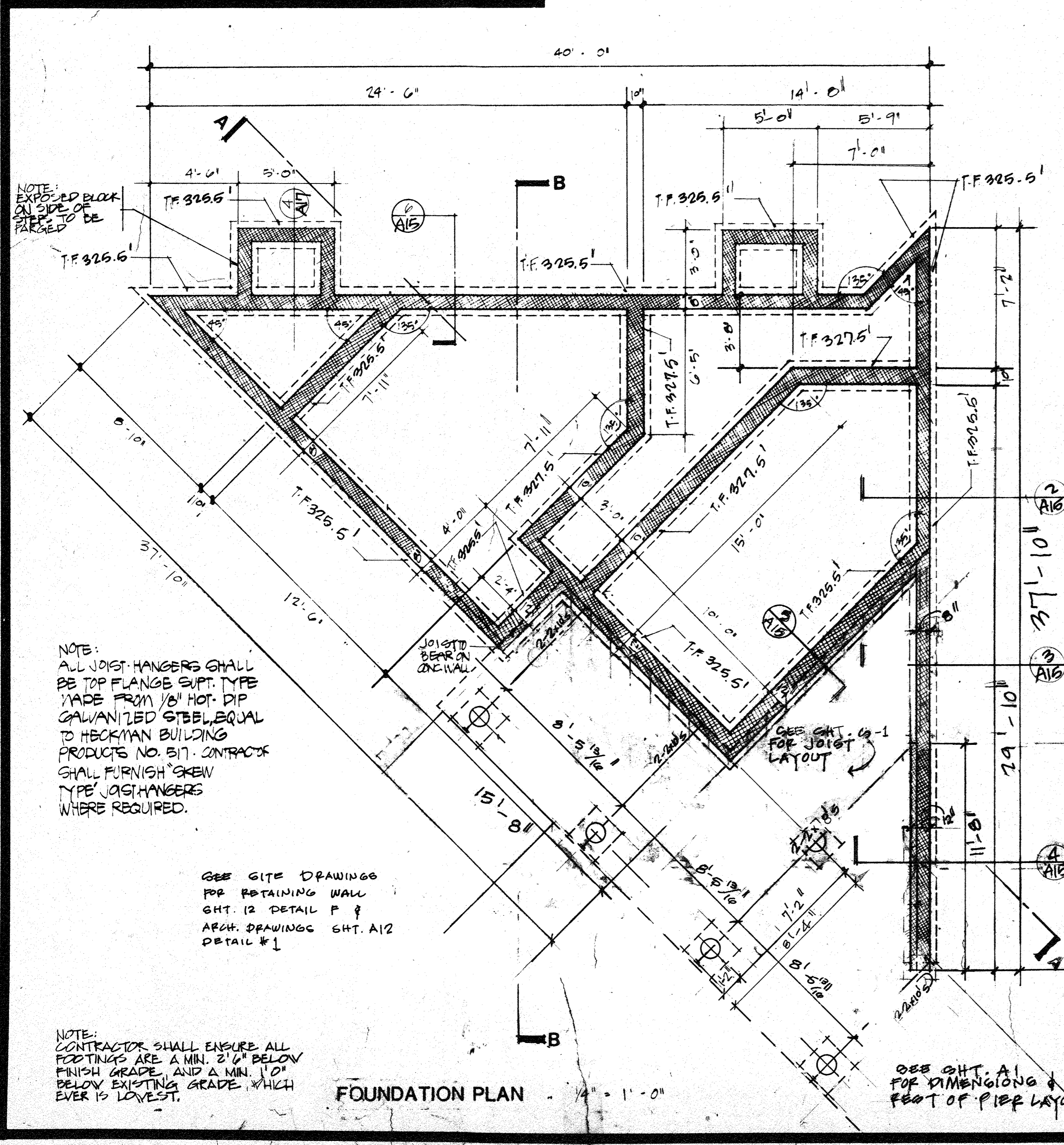
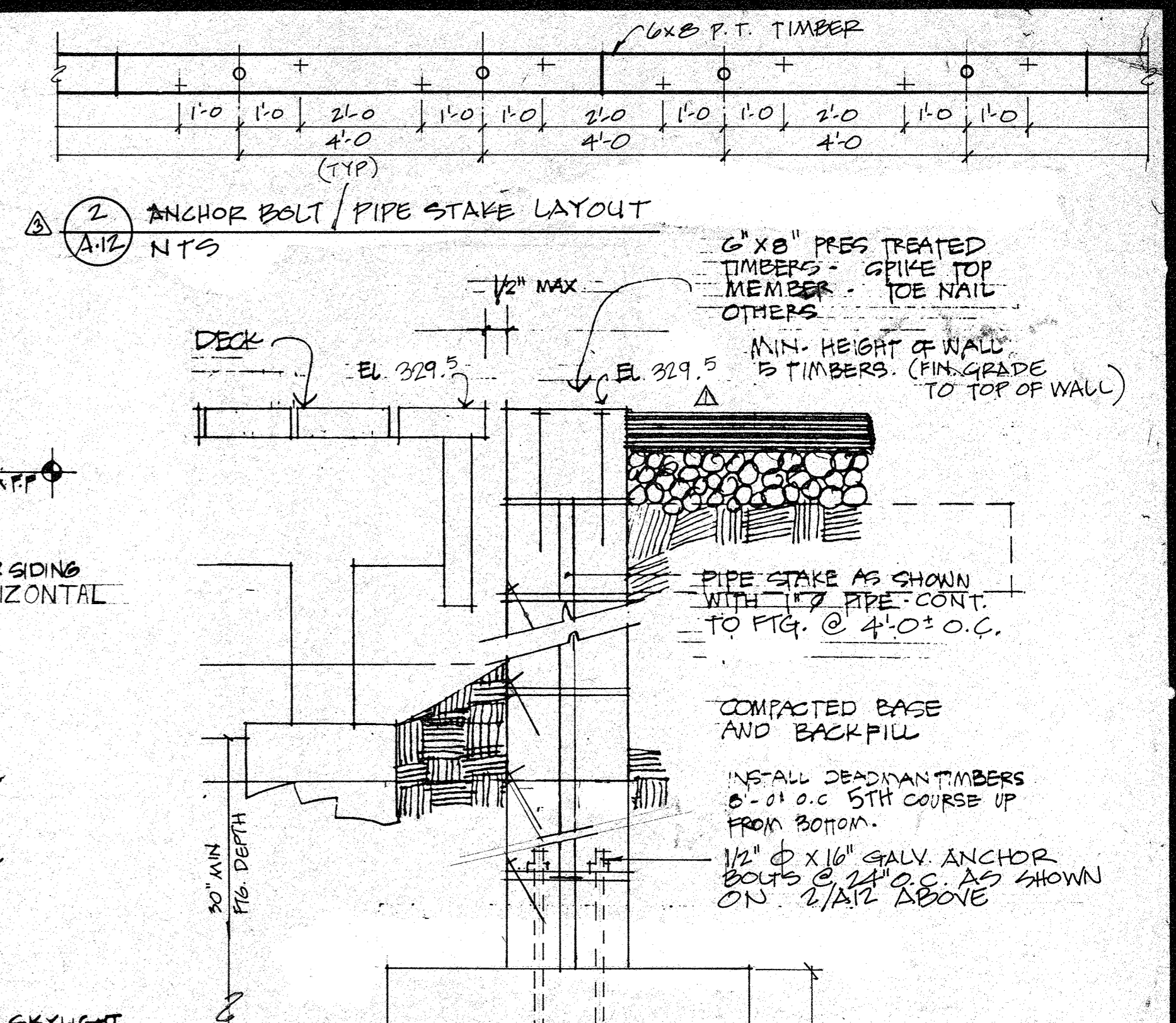
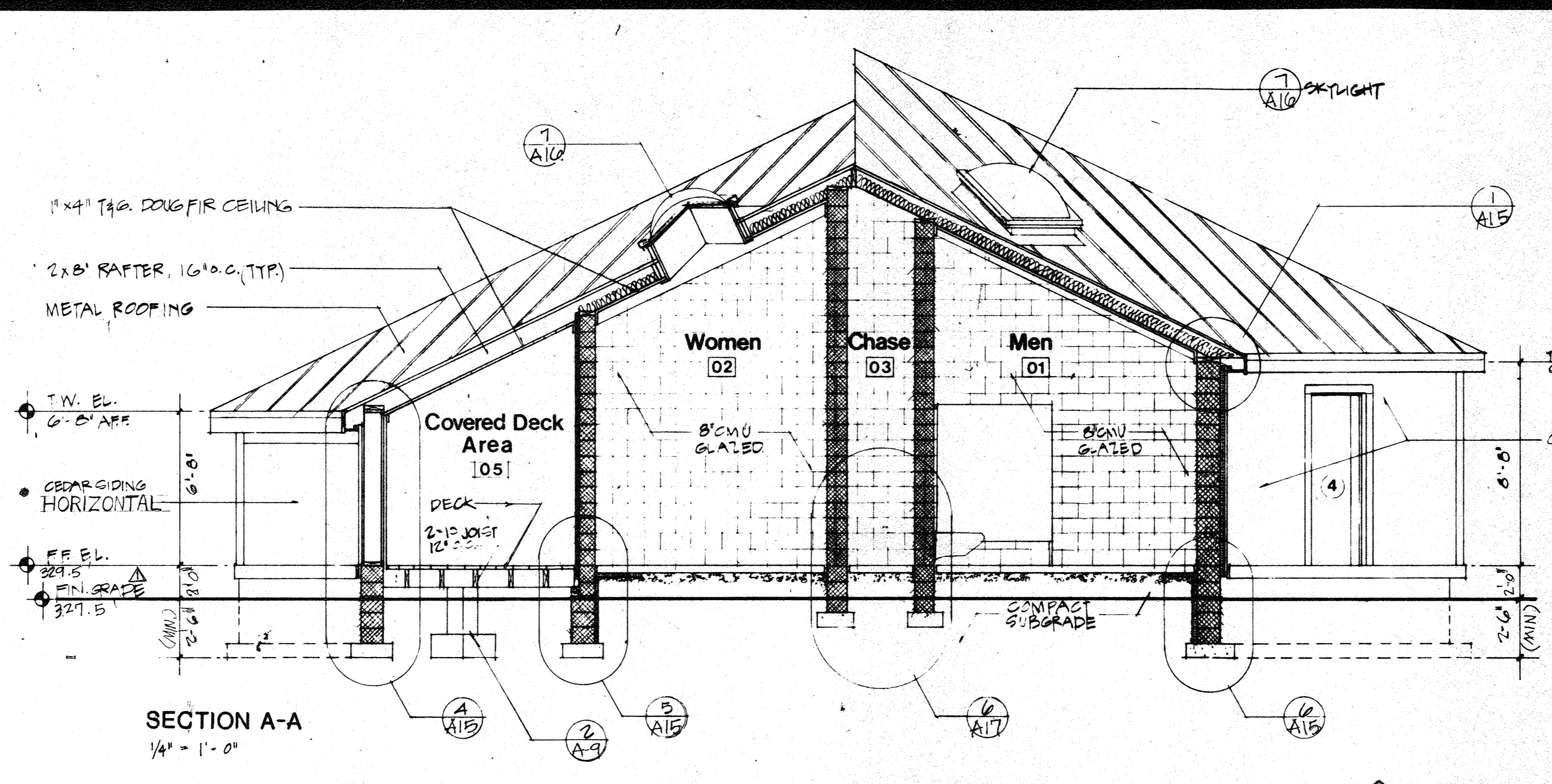
SDP-86-02

APPROVED: For public Water, Drainage Systems and Roads and Storm  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR DATE  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: For public Water and private Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER DATE  
 8-13-86

APPROVED: Howard County Office of Planning and Zoning  
 PLANNING DIRECTOR DATE  
 CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. DATE

Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.  
 Election District No. 2, Howard County, MD. Tax Map No. 30 Liber 513 Folio 218, Parcel 111, 54.12 ac. Adjacent Property Owners W. Zaizer, P. 92; John A. Saas & wf, P. 93; Joseph Douglas Taury, P. 94; Joseph Taury, P. 194. All other sides are owned by Howard County, Maryland.



TOP OF MASONRY LAYOUT DIAGRAM  
 1/8" = 1'-0"

NOTES:  
 ROOF PITCH IS DETERMINED BY MASONRY WALL ELEVATIONS AS SHOWN.

**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRET PLACE, SUITE 300  
 COLUMBIA, MARYLAND 21044

**RESTROOM BLDG. FOUNDATION PLAN  
 MISC. SECTIONS AND DETAILS  
 CENTENNIAL PARK  
 PHASE THREE - SOUTH DAM AREA**

DATE	6-19-85	REVISIONS	FIN. P.L. ELEV. REVISED	SHEET NO
SCALE	NOTED		01/24/86	<b>A12</b>
DRAWN			01/06/86	OF 38
CHECKED	11-1-84		4-19-86	

SDP-86-02

APPROVED: For public Water, and Storm  
Drainage Systems and Roads

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

\_\_\_\_\_  
DIRECTOR DATE 9-3-85

\_\_\_\_\_  
CHIEF, BUREAU OF ENGINEERING DATE 6-27-85

APPROVED: For public Water and private  
Sewerage Systems

HOWARD COUNTY HEALTH DEPARTMENT

\_\_\_\_\_  
COUNTY HEALTH OFFICER DATE 8-13-85

APPROVED: Howard County Office of Planning and Zoning

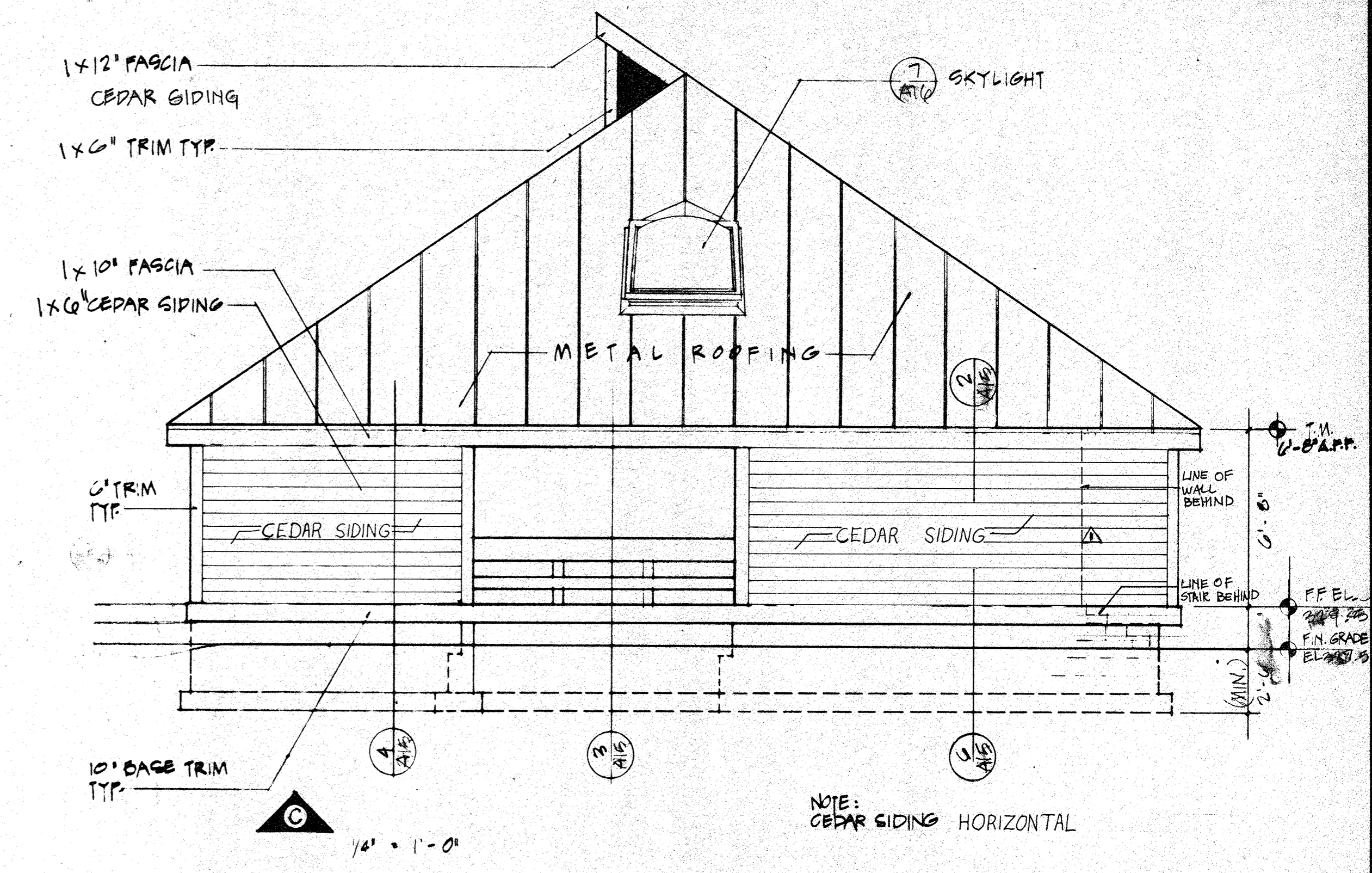
\_\_\_\_\_  
PLANNING DIRECTOR DATE

\_\_\_\_\_  
CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADJUV. DATE

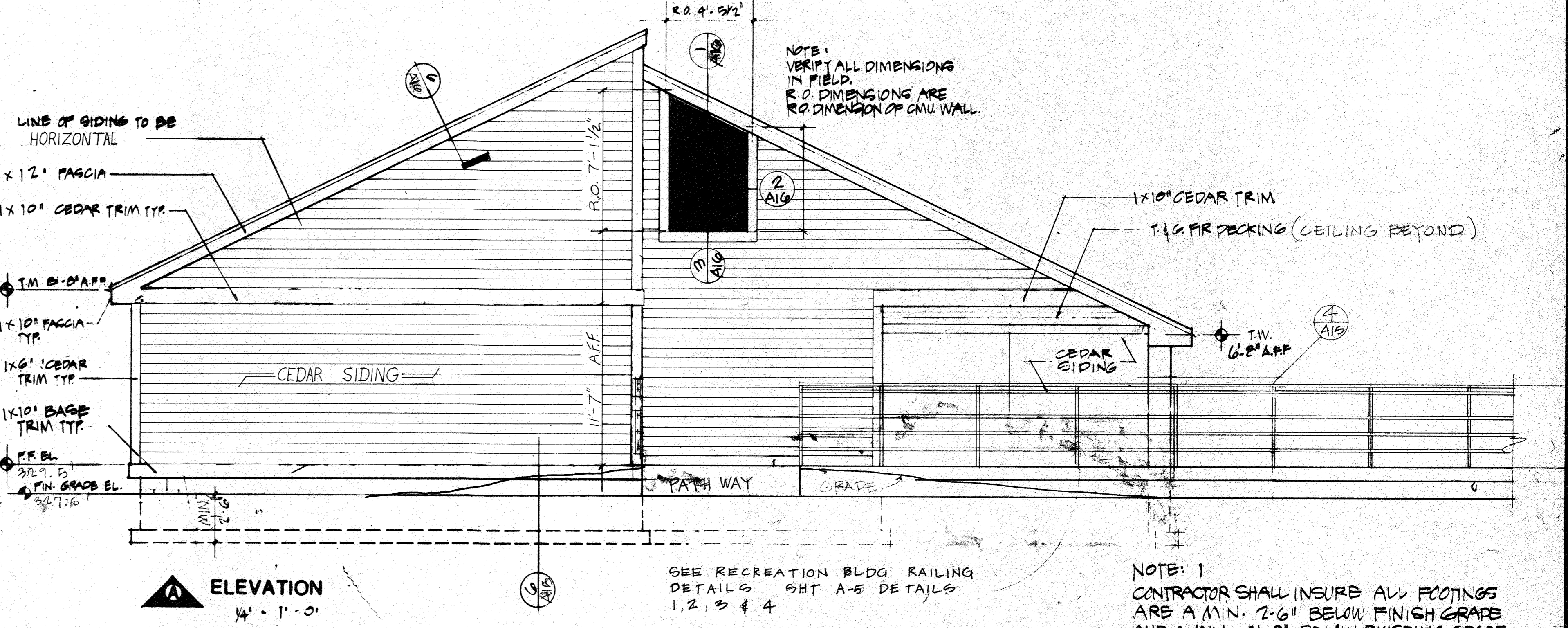
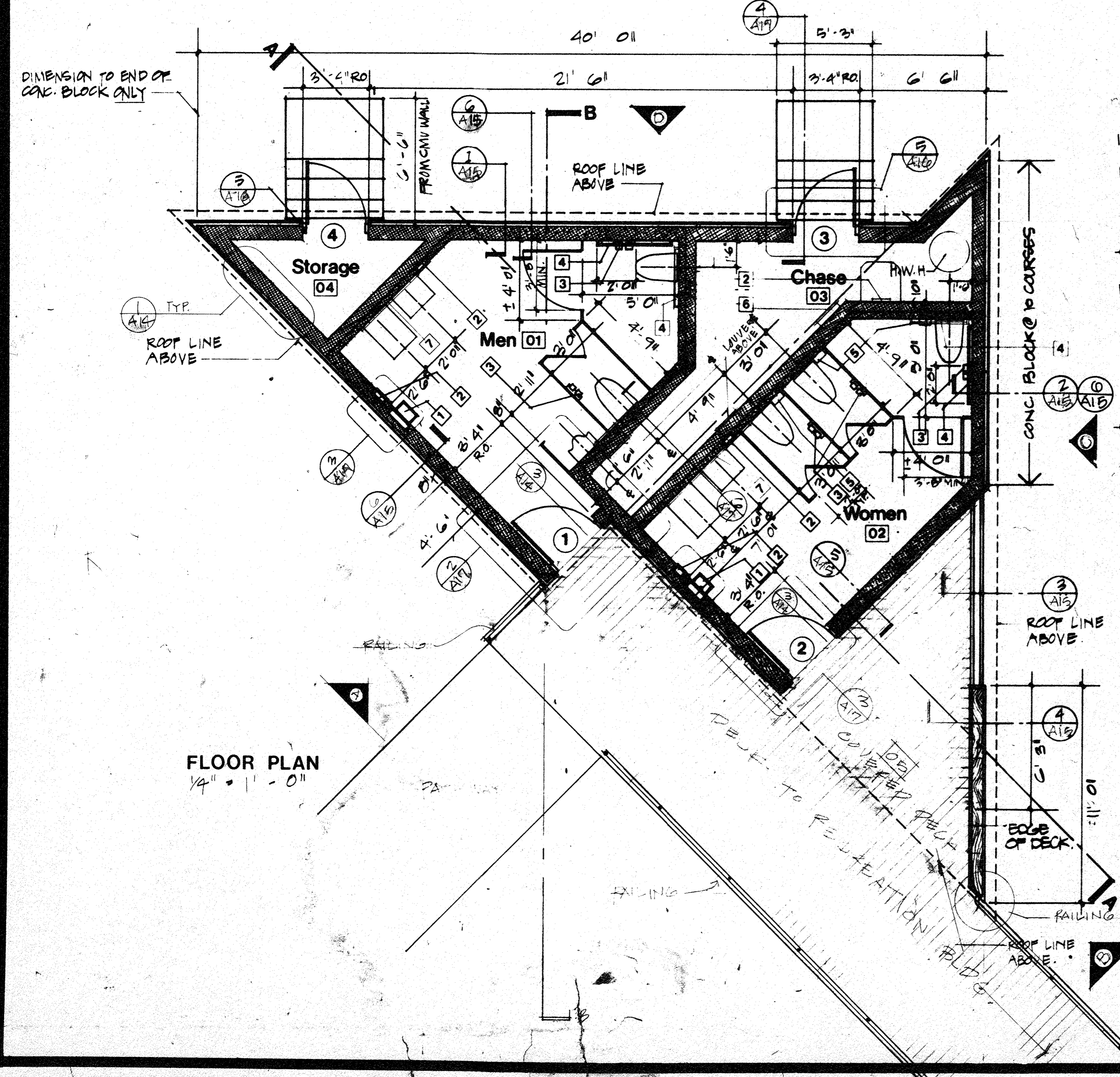
Howard County, Md., Dept. of Public Works  
for the Dept. of Rec. & Parks, 3430 Court  
House Drive, Ellicott City, Maryland.

Election District No. 2, Howard County, MD.  
Tax Map No. 30  
Liber 513 Folio 218, Parcel 111, 54.12 ac.

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Joseph Douglas Taury, P. 94; Joseph Taury,  
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Maryland.



NOTE: FOR WALL HEIGHTS SEE MASONRY LAYOUT DIAGRAM ON SHT. A-12



**A ELEVATION**  
1/4" = 1'-0"

FIXTURE SCHEDULE						
MARK	QTY.	FIXTURE	MAKE	MODEL	ROUGH OPENING	REMARKS
1	2	COMBINATION PAPER TOWEL DISP. AND WASH. DISPENSER	BOBRICK	B-3947	16" X 24 3/4" X 4"	
2	3	TOILET PAPER DISPENSER	ACCOSANT	5092	11" X 15 5/16"	ONE OVER SERVICE SINK
3	5	TOILET PAPER DISPENSER	ROLL MASTER			
4	2	SPAINLESS STEEL HAND BAR	BOBRICK	B-6206		B-6206 X 48" HORIZONTAL B-6206 36" HORIZONTAL
5	3	SPAINLESS STEEL FINISHING	BOBRICK	B-270		
6	1	OVER SERVICE SINK	BOBRICK	B-262		OVER SERVICE SINK
7	2	BOTTOM OF MIRROR	BOBRICK	B-2906-4030		BOTTOM OF MIRROR 3'-4" AFF

DOOR SCHEDULE								
MARK	SIZE	TYPE	HARDWARE	THRESH.	DETAILS			REMARKS
					HEAD	JAMB	SILL	
1	3'-0" x 7'-2 1/4"	H.M.	LOCKSET	ALUMINUM				W/WEATHERSTRIPPING
2	3'-0" x 7'-2 1/4"	H.M.	LOCKSET	ALUMINUM				W/WEATHERSTRIPPING
3	3'-0" x 7'-2 1/4"	H.M.	LOCKSET	ALUMINUM				W/WEATHERSTRIPPING
4	3'-0" x 7'-2 1/4"	H.M.	LOCKSET	ALUMINUM				W/WEATHERSTRIPPING

H.M. = HOLLOW METAL \*\*SEE SPEC'S FOR HARDWARE SCHEDULE.

NOTE: 1  
CONTRACTOR SHALL INSURE ALL FOOTINGS ARE A MIN. 2'-6" BELOW FINISH GRADE AND A MIN. 1'-0" BELOW EXISTING GRADE, WHICH EVER IS LOWEST (SEE A-12 FOR FTG. ELVS).

NOTE: 2  
CONCRETE BLOCK CARRIED TO 10 COURSES ABOVE FINISH FLOOR AS DIMENSIONED. ALL OTHER BLOCK WORK CARRIED TO UNDER-SIDE OF ROOF.

NOTE: 3  
DIMENSIONS REFER TO CMU WALL WHERE APPLICABLE.

**LD LAND DESIGN / RESEARCH, INC.**  
5560 STERRET PLACE, SUITE 300  
COLUMBIA, MARYLAND 21044

**RESTROOM BLDG. FLOOR PLAN & ELEVATIONS A & C**

**CENTENNIAL PARK PHASE THREE - SOUTH DAM AREA**

DATE	04-19-85	REVISIONS:	HIDDEN STAIR 01/06/86	SHEET NO.
SCALE	NOTED		01/11/86	<b>A13</b>
DRAWN				OF 38
CHECKED	11-1-84			





APPROVED: For public Water, private Sewerage and Storm Drainage Systems and Roads

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR DATE  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: For public Water and private Sewerage Systems

HOWARD COUNTY HEALTH DEPARTMENT DATE  
 COUNTY HEALTH OFFICER DATE

APPROVED: Howard County Office of Planning and Zoning

PLANNING DIRECTOR DATE

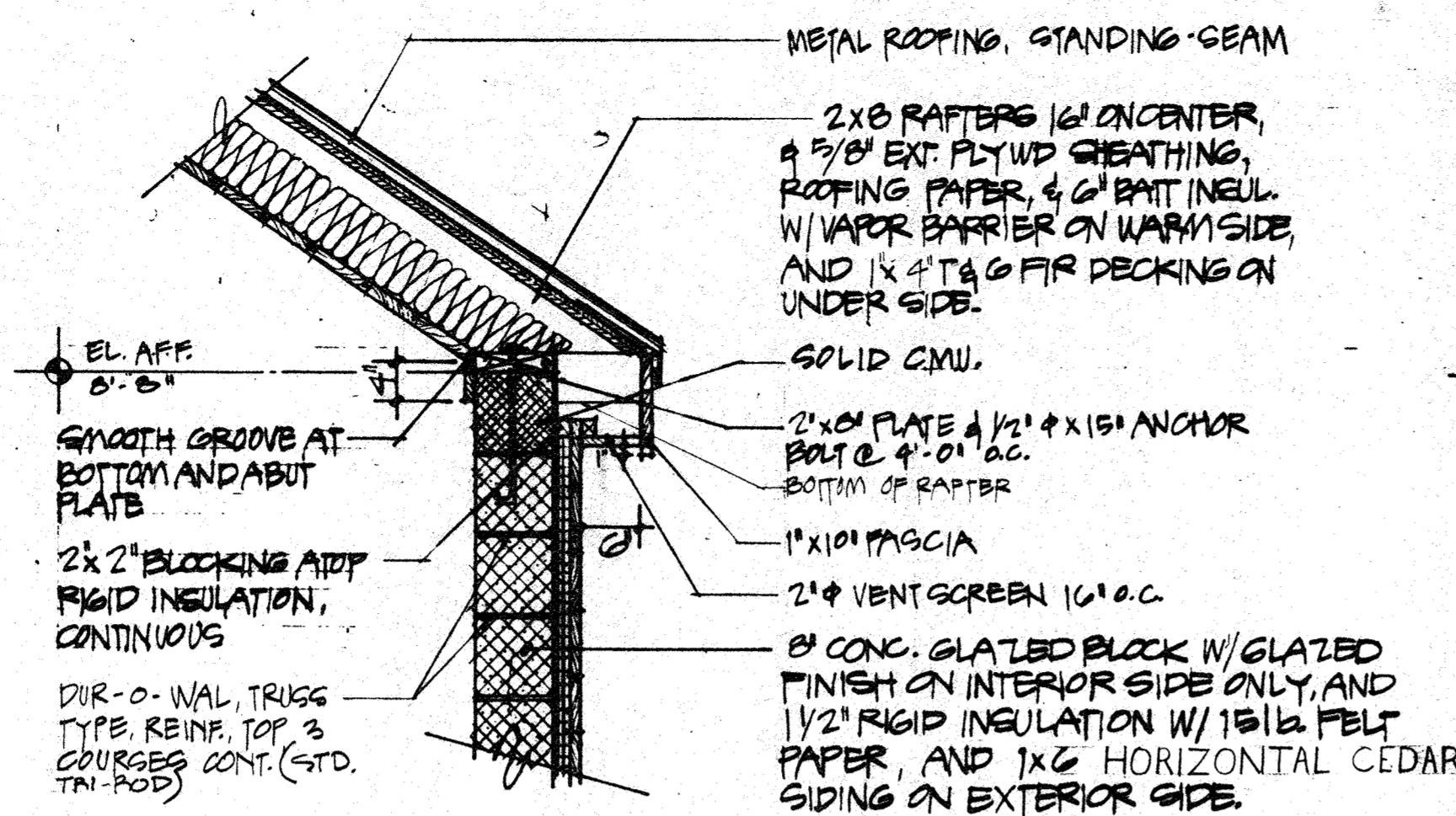
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.

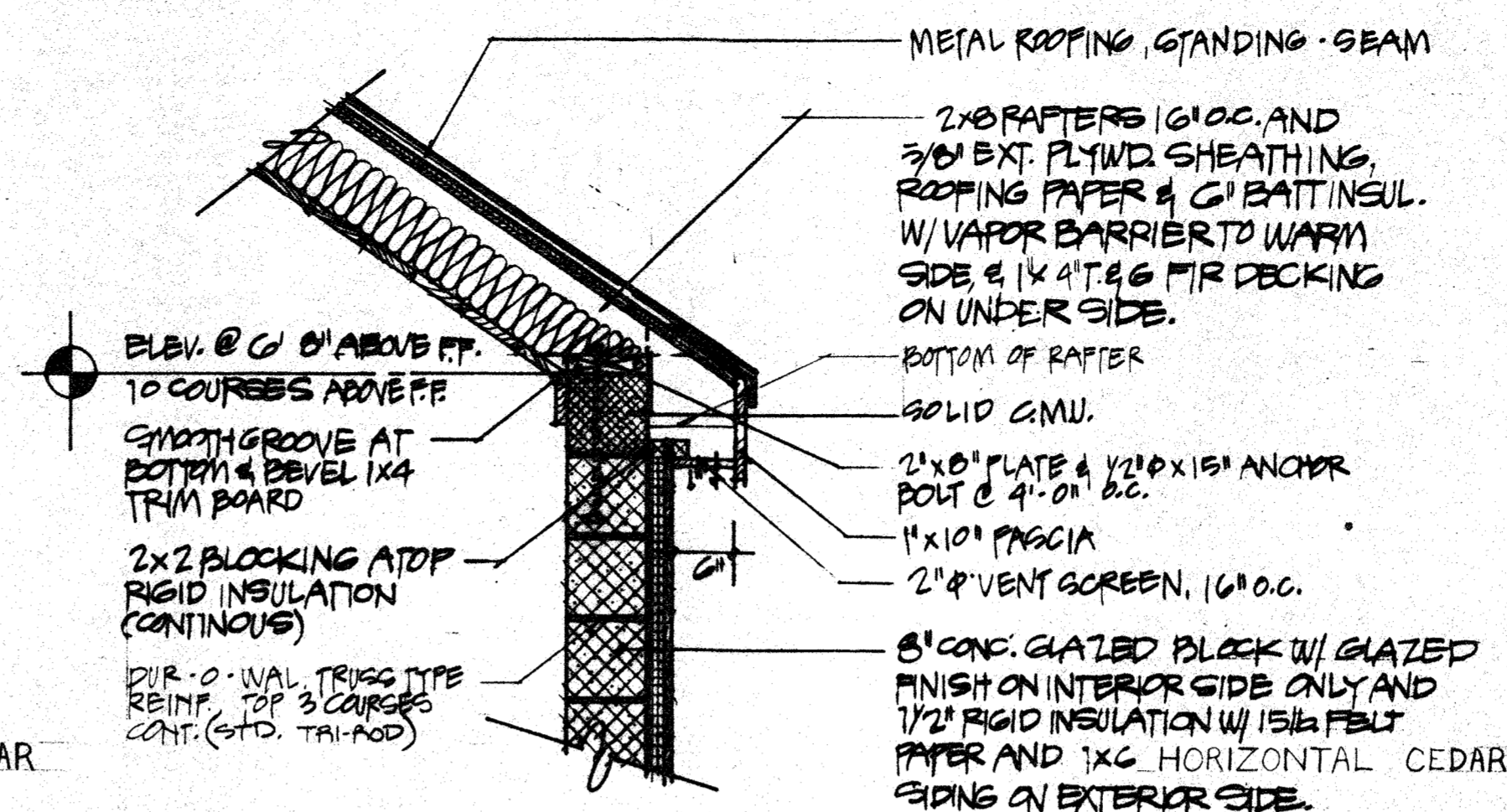
Election District No. 2, Howard County, MD. Tax Map No. 30. Liber 513 Folio 218, Parcel 111, 54.12 ac.

Adjacent Property Owners  
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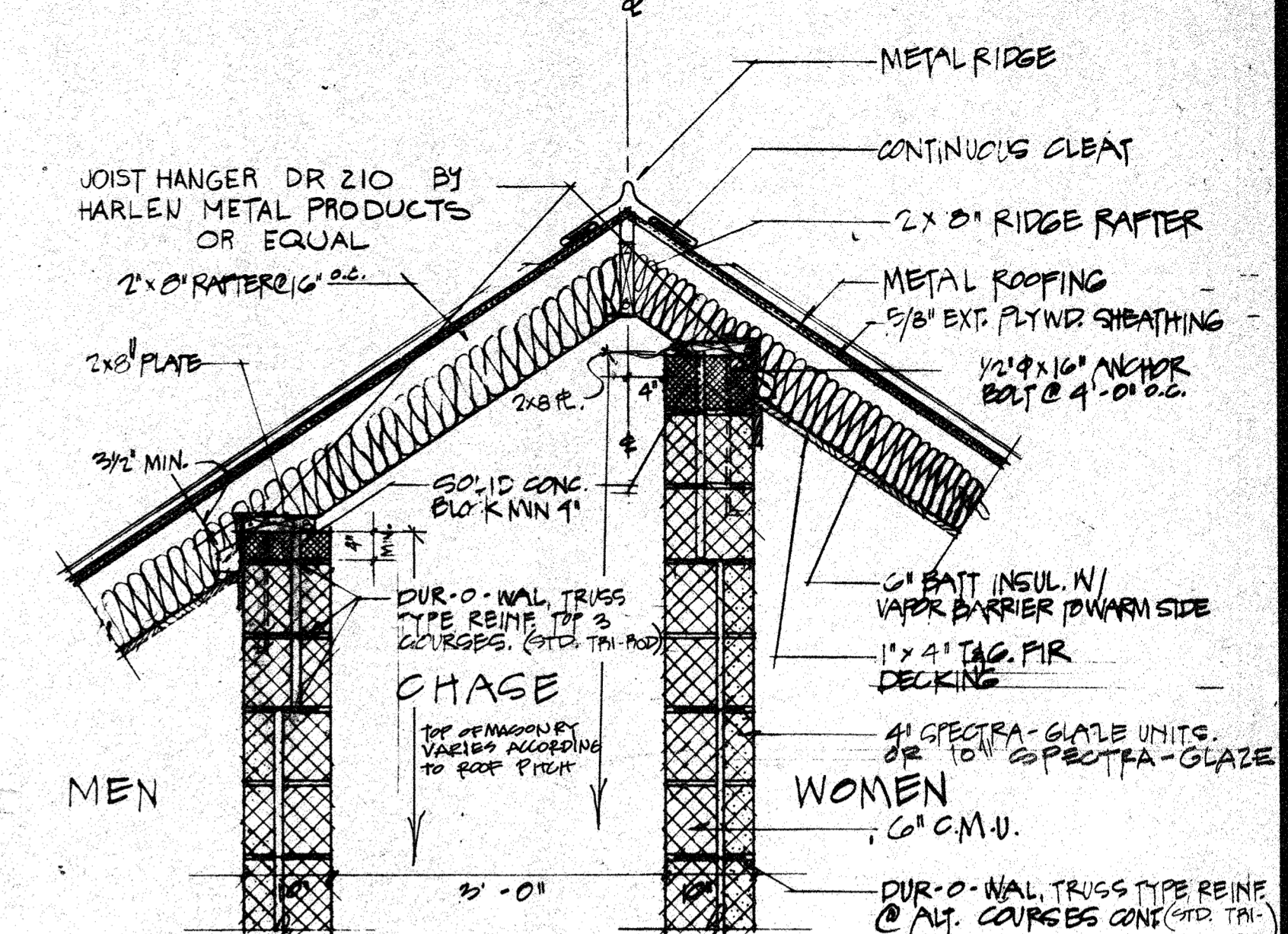
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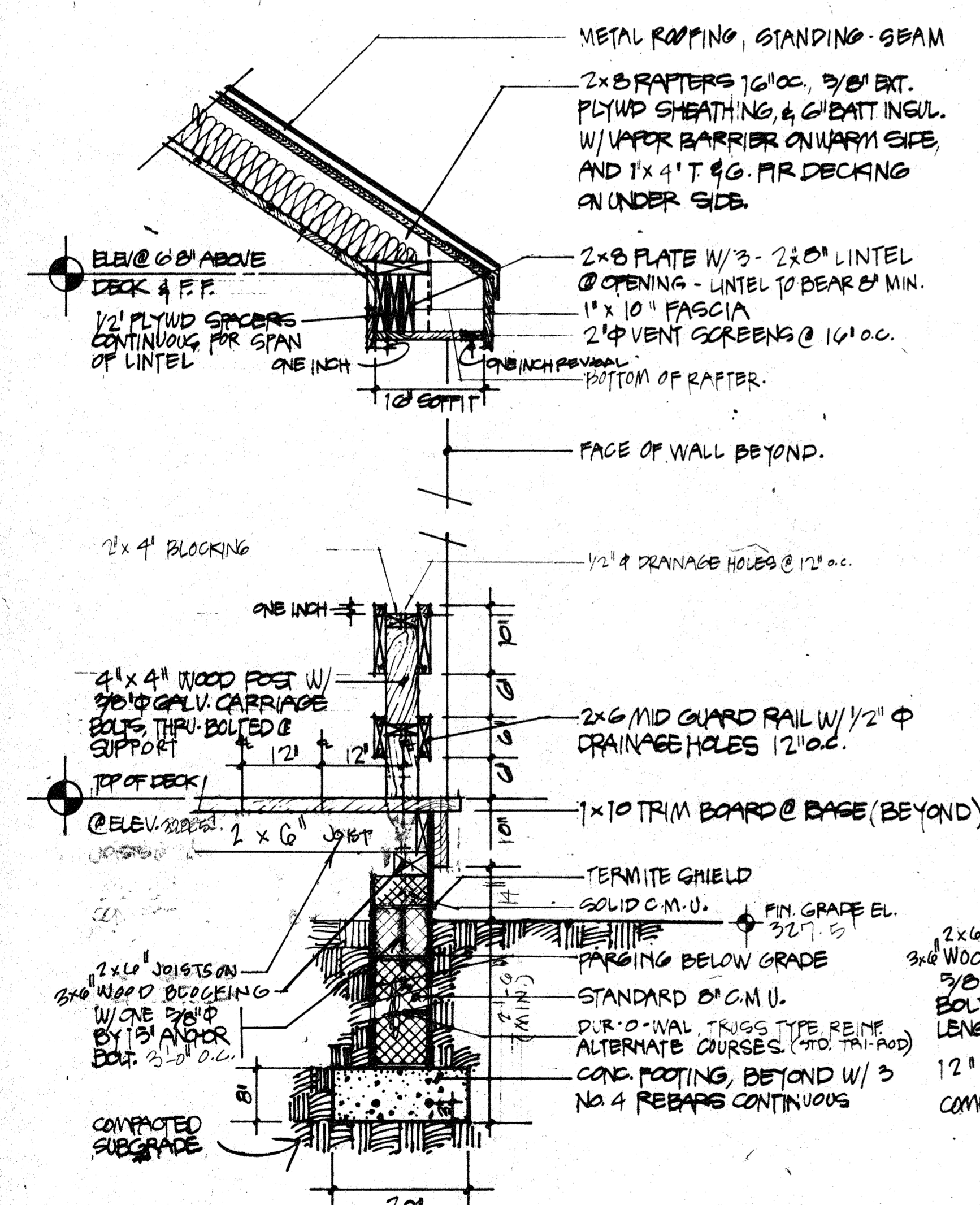
1. DETAIL @ HIGHER BLOCK WALL  
 A16 SCALE 3/4 INCH = ONE FOOT.



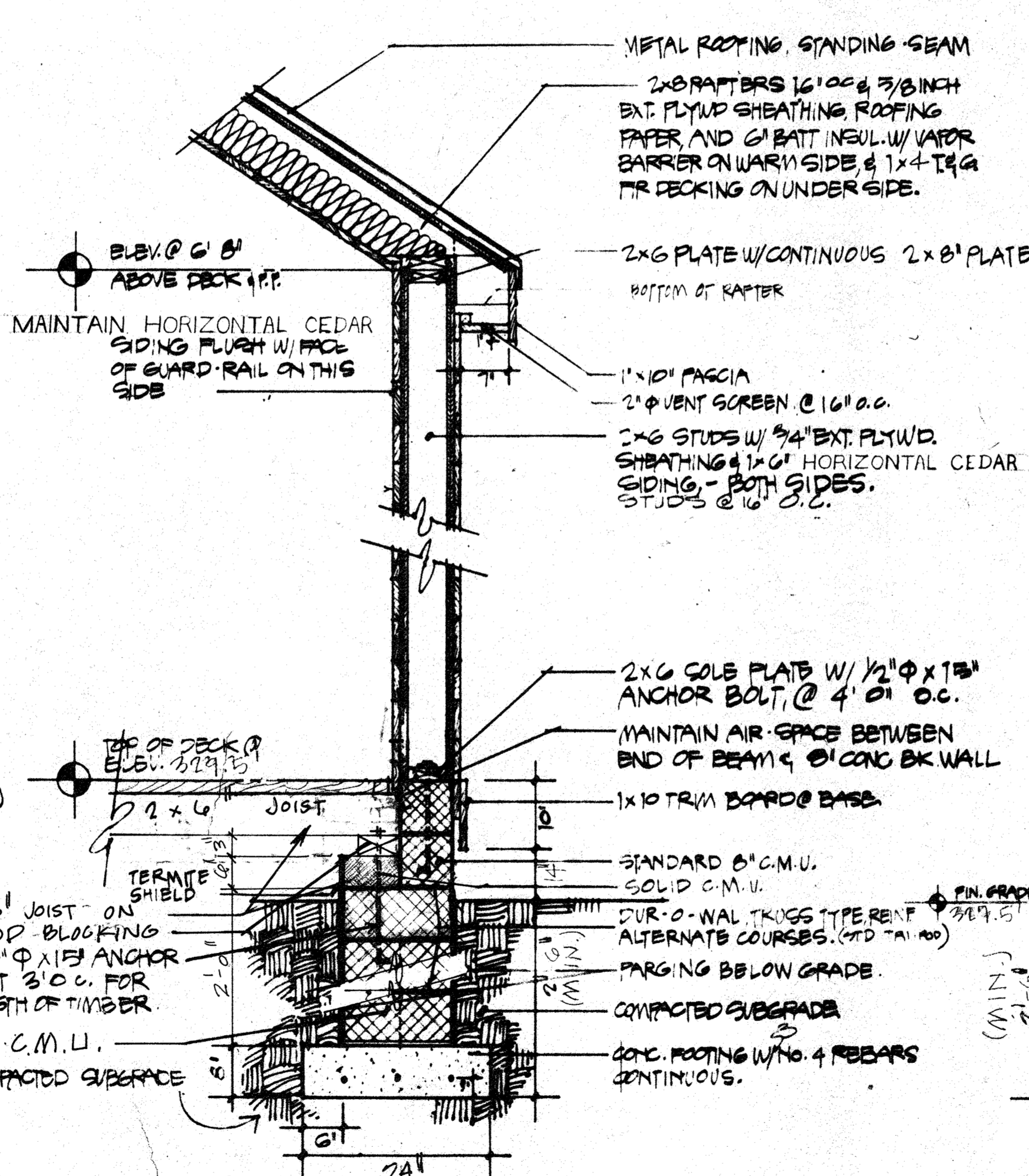
2. DETAIL @ LOWER BLOCK WALL  
 A15 SCALE 3/4 INCH = ONE FOOT.



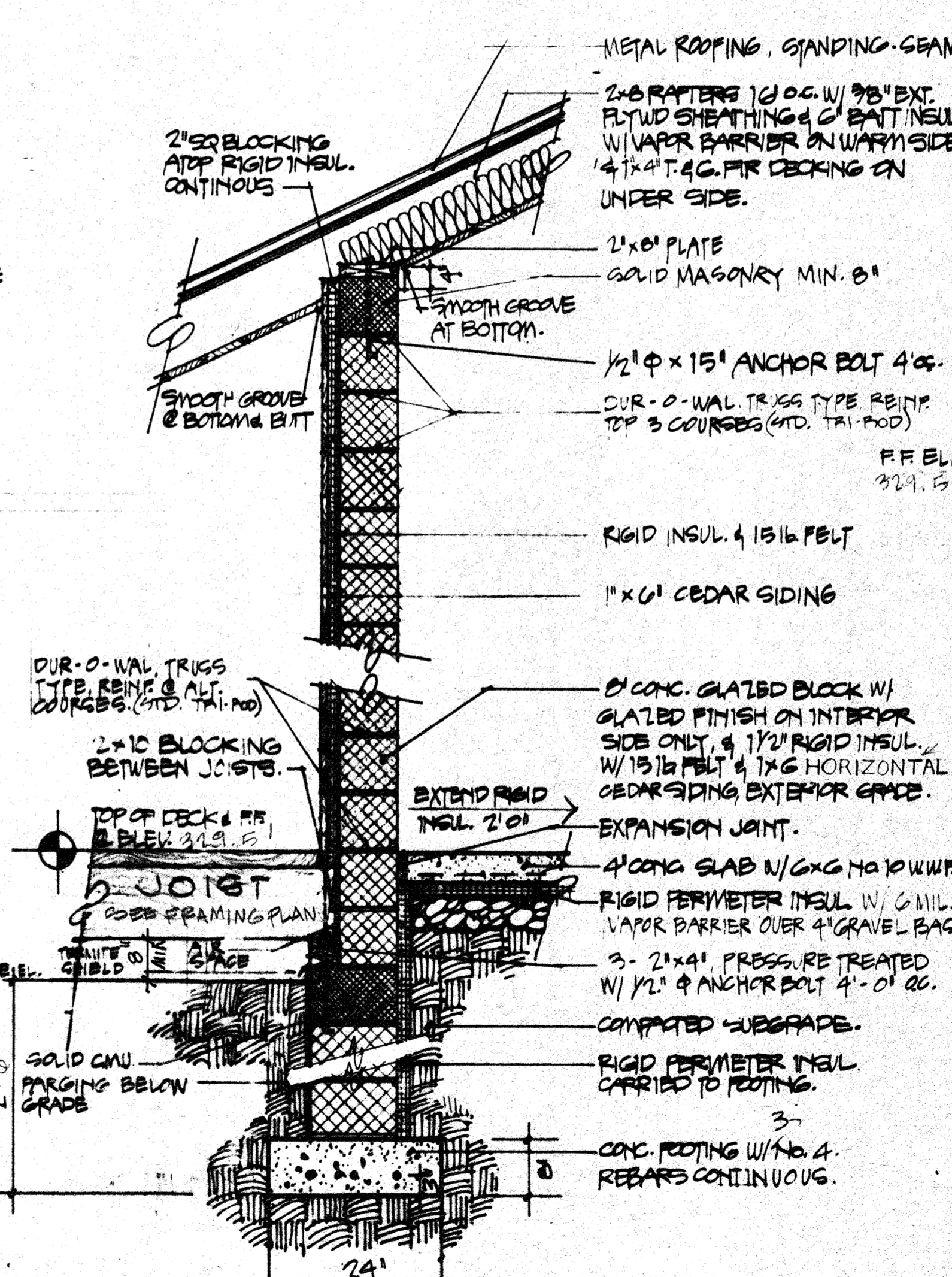
7. DETAIL: RIDGE  
 A16 SCALE 3/4 INCH = ONE FOOT.



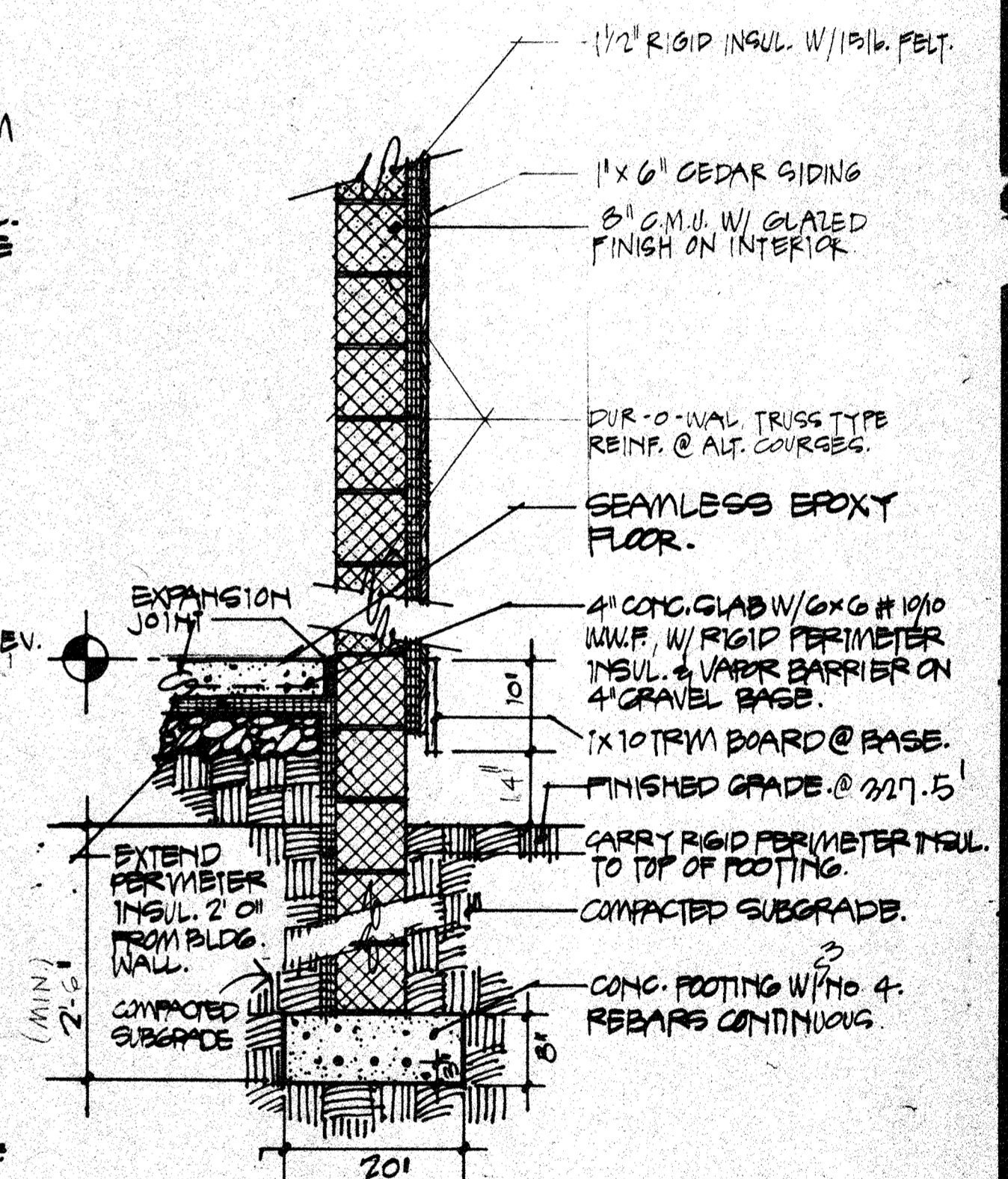
3. HEADER DETAIL @ OPENING  
 A16 SCALE 3/4 INCH = ONE FOOT.



4. DETAIL @ WOOD WALL  
 A15 SCALE 3/4 INCH = ONE FOOT.



5. DETAIL @ BLOCK WALL  
 A15 SCALE 3/4 INCH = ONE FOOT.



6. FOUNDATION @ BLOCK WALL (TYPICAL)  
 A15 SCALE 3/4 INCH = ONE FOOT.

NOTE: ALL EXPOSED CMU FOUNDATION WALLS TO BE FARGED W/ NATURAL COLORED MORTAR.

NOTE: ALL DECKING & DECK FRAMING MEMBERS SHALL BE PRESSURE TREATED. (SEE SPEC'S.)  
 VAPOR BARRIER UNDER 4" CONC. SLAB SHALL BE 4 MILL. (SEE SPEC'S.)



**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRET PLACE, SUITE 300  
 COLUMBIA, MARYLAND 21044  
 RESTROOM BLDG. MISC.  
 SECTIONS & DETAILS  
**CENTENNIAL PARK**  
 PHASE THREE - SOUTH DAM AREA

DATE	6-19-85	REVISIONS:	SHEET NO.
SCALE	NOTED		A15
DRAWN			OF 33
CHECKED	11-1-84		

SDP-86-02



APPROVED: For public Water, private Sewerage and Storm Drainage Systems and Roads

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*[Signature]* DIRECTOR DATE 8-13-84

*[Signature]* CHIEF, BUREAU OF ENGINEERING DATE 8-13-84

APPROVED: For public Water and private Sewerage Systems

HOWARD COUNTY HEALTH DEPARTMENT

*[Signature]* COUNTY HEALTH OFFICER DATE 8-13-84

APPROVED: Howard County Office of Planning and Zoning

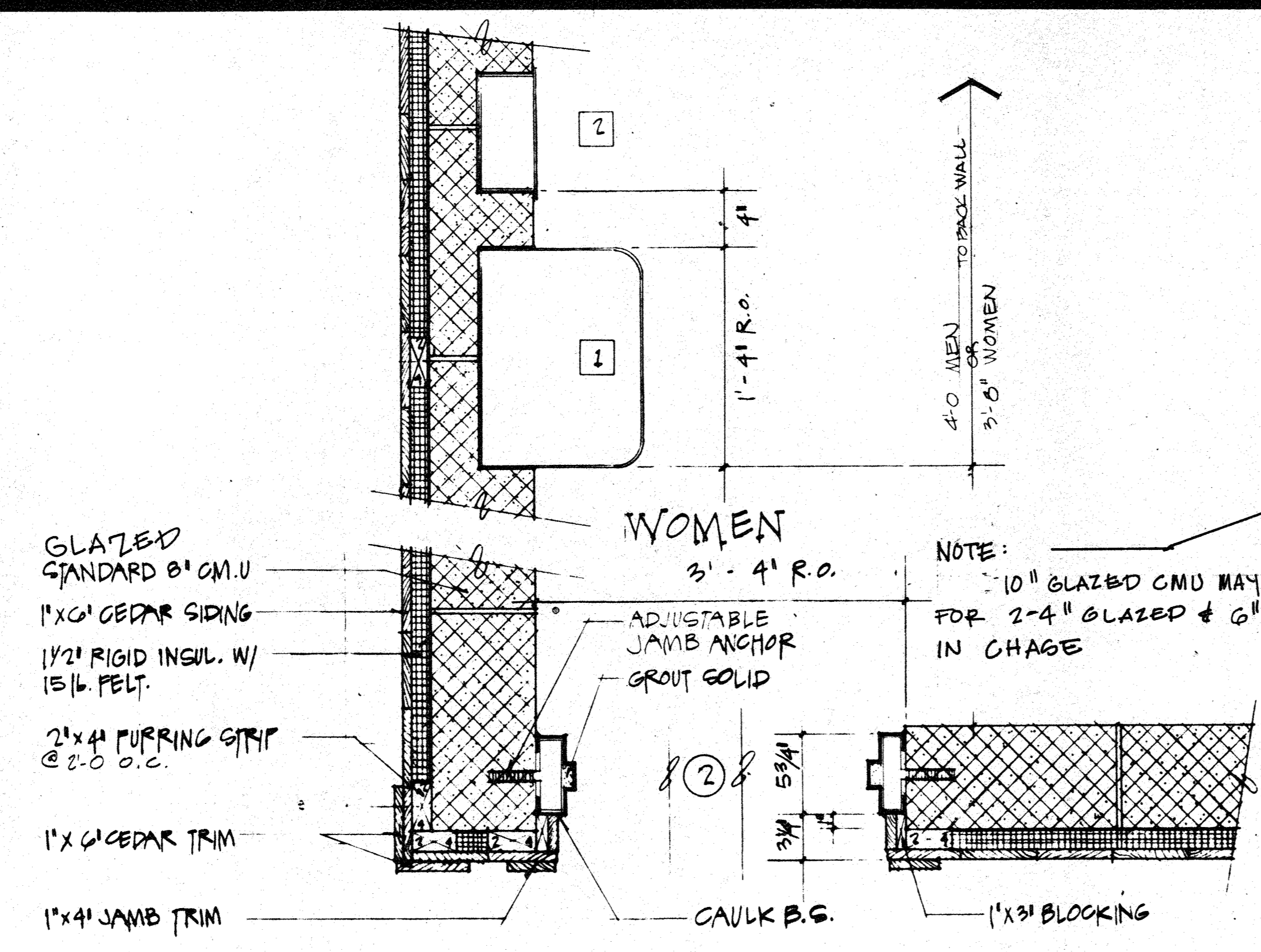
PLANNING DIRECTOR DATE

CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Bellicott City, Maryland.

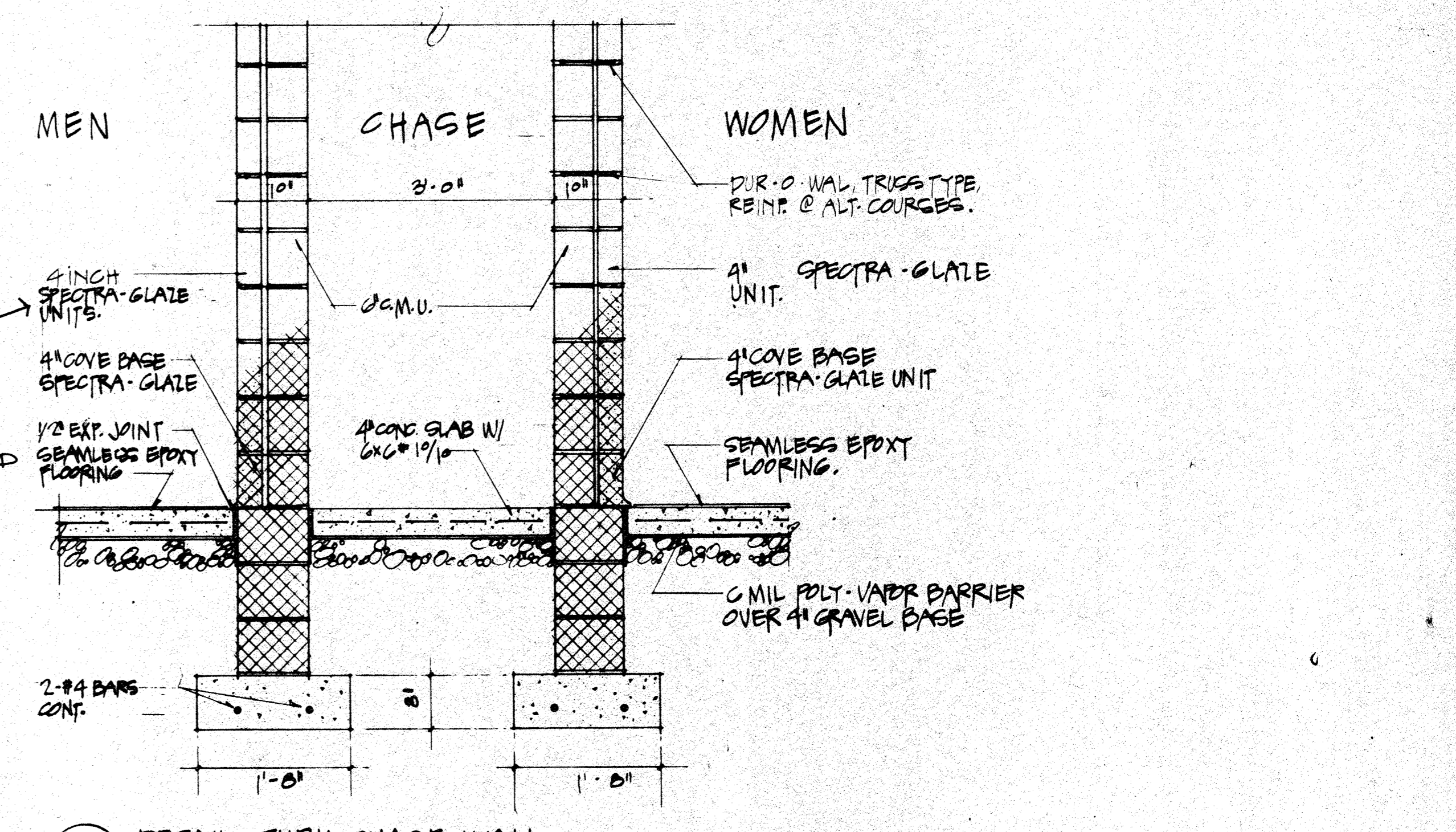
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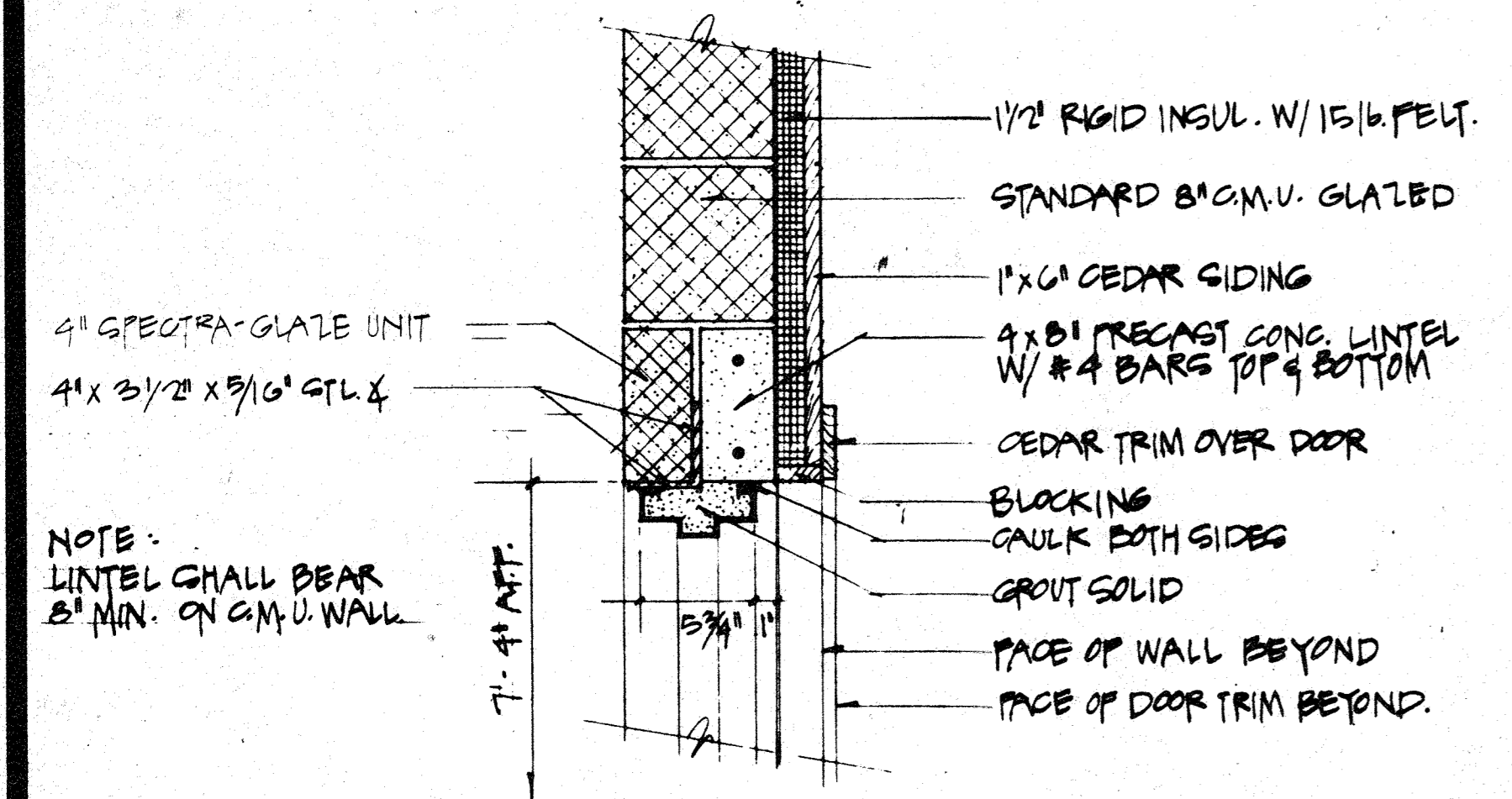
3 DETAIL: TOILET ROOM ENTRANCE (JAMB-DOOR # 2)

A17 1 1/2" = 1'-0"



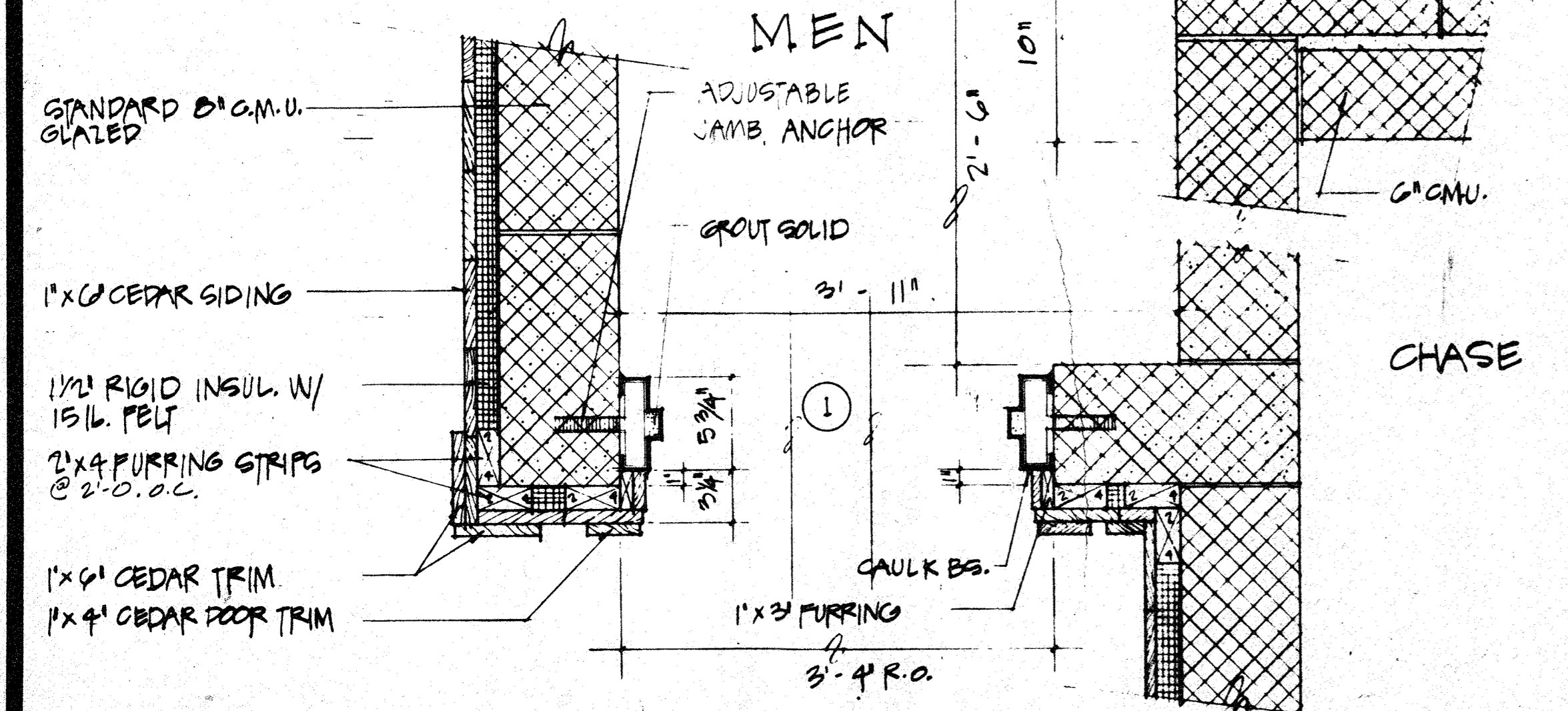
6 DETAIL: THRU CHASE WALL

A17 3/4" = 1'-0"



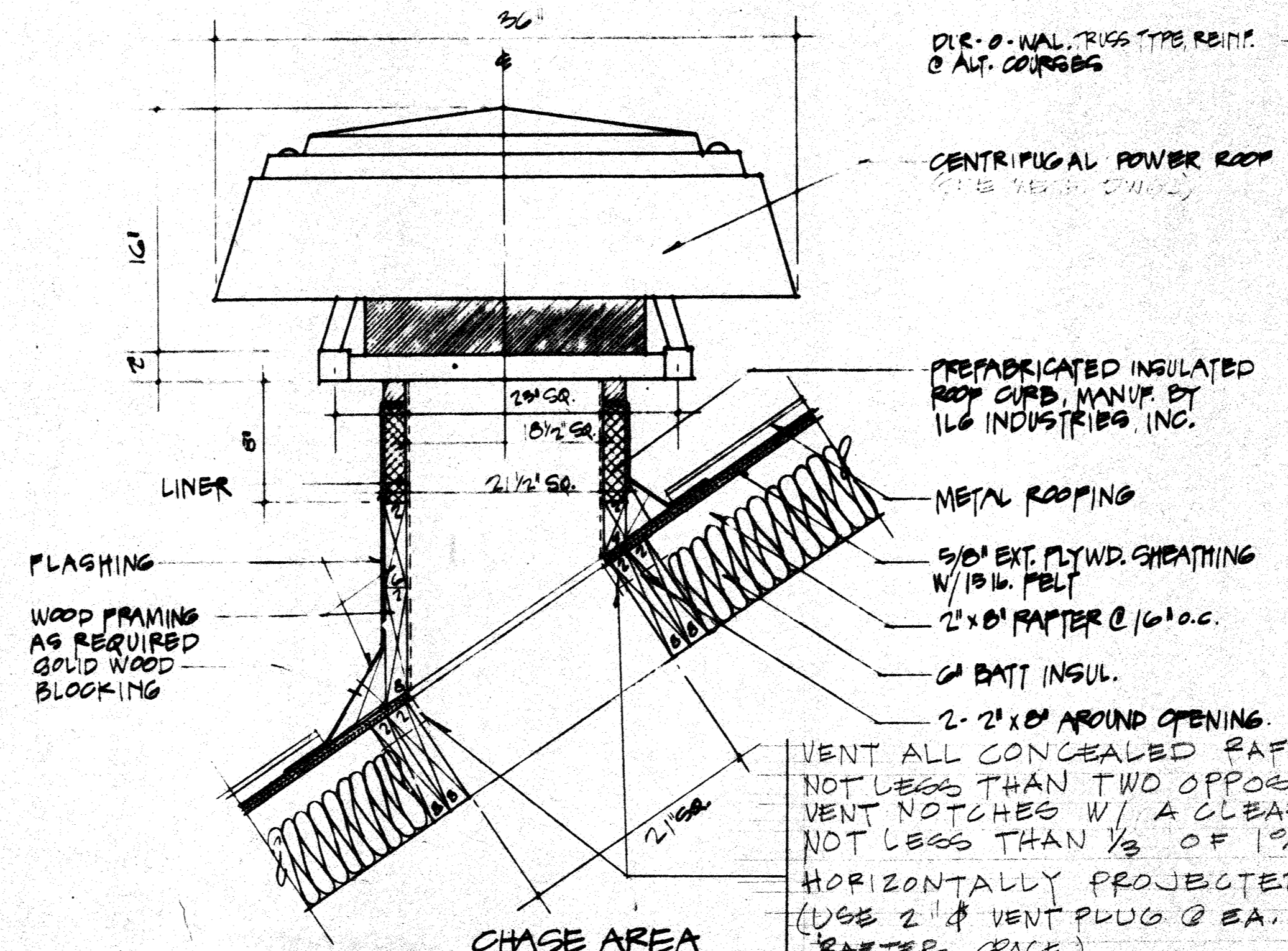
1 DETAIL: OF HEAD @ DOOR # 1 & 2 (TYP.)

A17 1 1/2" = 1'-0"



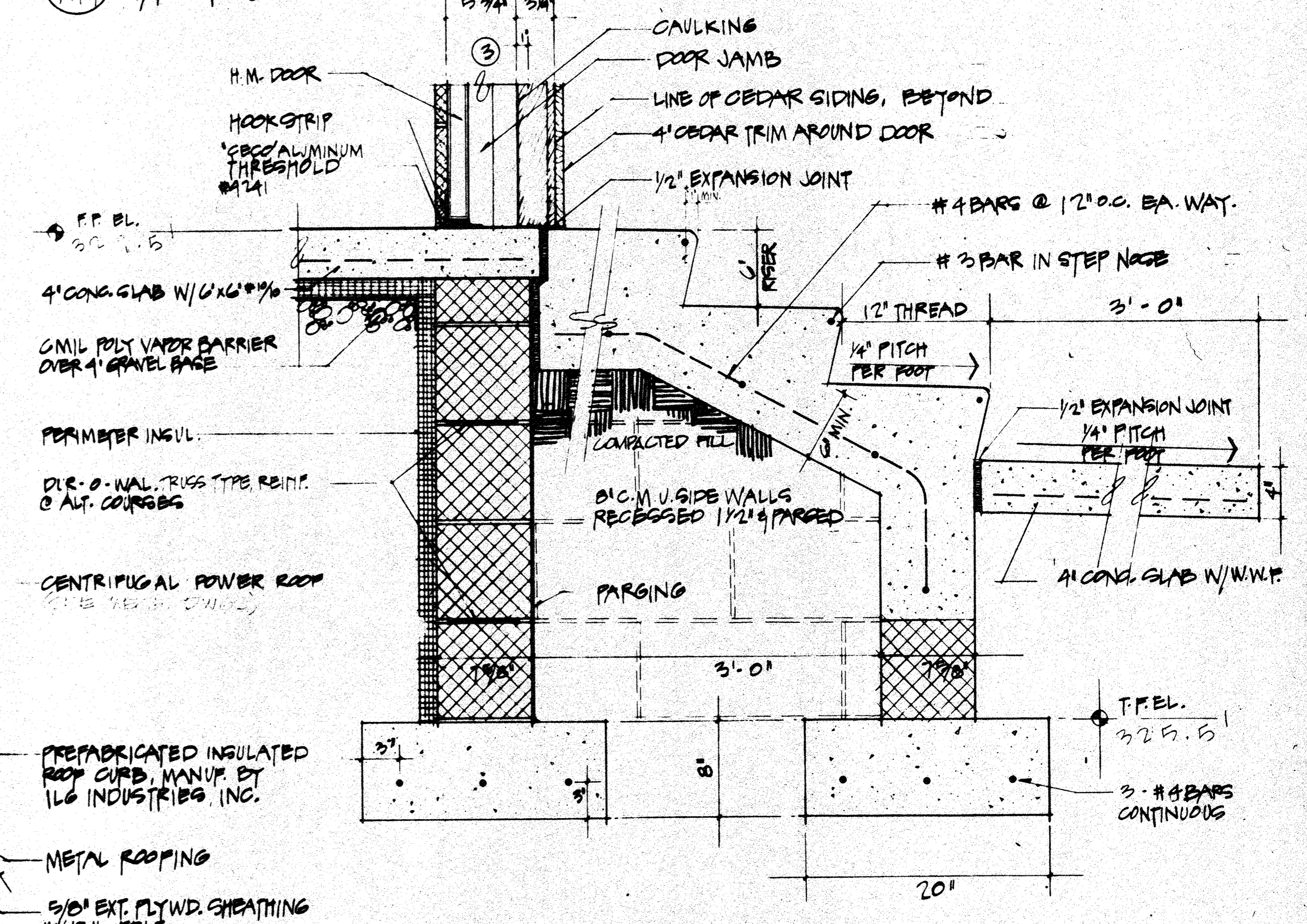
2 DETAIL: TOILET ROOM ENTRANCE (JAMB-DOOR # 1)

A17 1 1/2" = 1'-0"



5 DETAIL: SECTION THRU POWER ROOF VENT

A17 1 1/2" = 1'-0"



4 DETAIL: SECTION THRU STEPS & DOOR SILL # 3 & # 4 (TYP.)

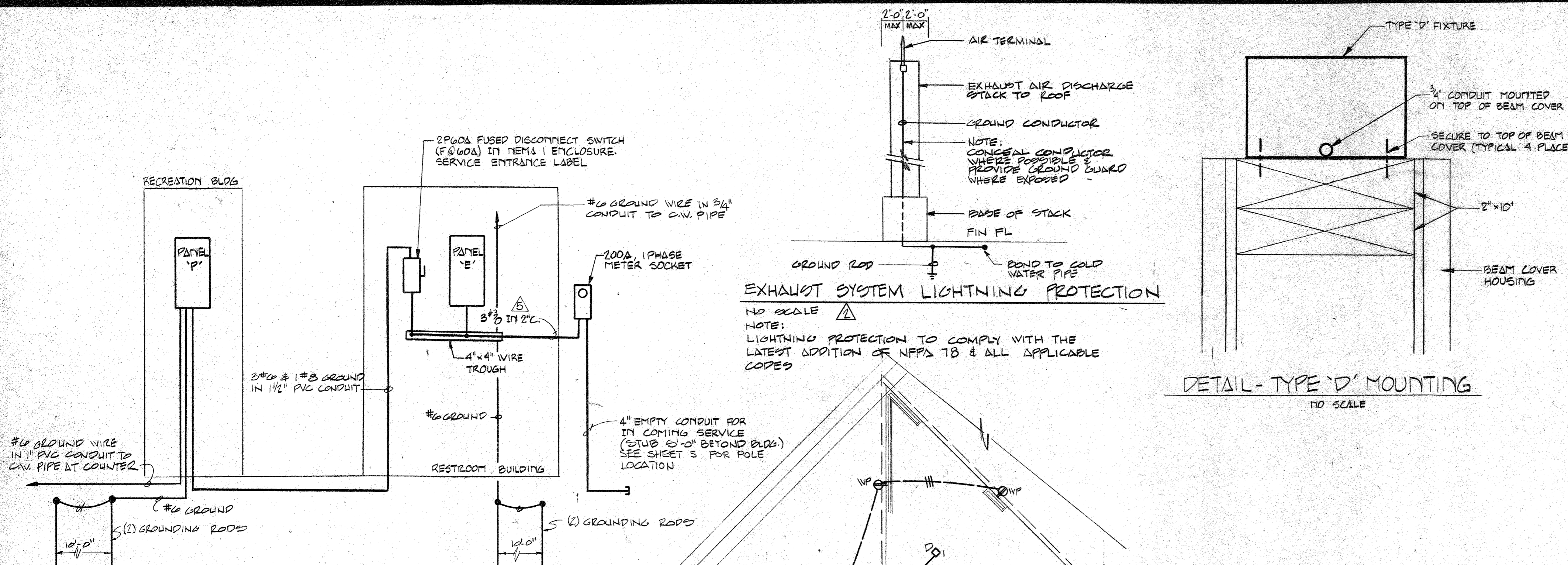
A17 1 1/2" = 1'-0"

**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRET PLACE, SUITE 300  
 COLUMBIA, MARYLAND 21044

RESTROOM BLDG. - MISC. DETAILS  
**CENTENNIAL PARK**  
 PHASE THREE - SOUTH DAM AREA

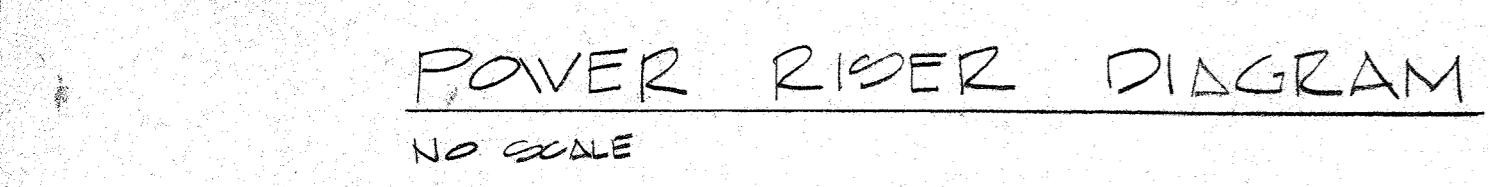
DATE	6-19-85	REVISIONS:	SHEET NO.
SCALE	NOTED		A17
DRAWN			OF 38
CHECKED	11-1-84		

SDP-86-02



120/240 VOLTS											
PHASE, 3 WIRE											
SERVICE ENTRANCE LABEL											
M.L.O.											
C R	SERVING	BREAKER			C R	SERVING	BREAKER			I.C.	
		FR.	POLE	CAL.			FR.	POLE	CAL.		
1	WOMENS - LIGHTING	100	1	20	10K	2	EXTERIOR LIGHTING	100	1	20	10K
3	MENS - LIGHTING	100	1	20		4	RECEPTACLES	100	1	20	
5	WATER HEATER	100	2	30		6	UNIT HEATER - WOMENS	100	2	50	
7						8					
9	UNIT HEATER - MENS	100	2	50		10	RECEPTACLES	100	1	20	
11						12	SPACE	100	2	20	
13	CABINET HEATER	100	2	30		14					
15						16	EXHAUST FAN	100	1	20	
17	CABINET HEATER	100	1	20		18	SPACE	100	1		

120/240 VOLTS											
PHASE, 3 WIRE											
SERVICE ENTRANCE LABEL											
M.L.O.											
C R	SERVING	BREAKER			C R	SERVING	BREAKER			I.C.	
		FR.	POLE	CAL.			FR.	POLE	CAL.		
1	LIGHTING	100	1	20	10K	2	LIGHTING	100	1	20	10K
3	LIGHTING	100	1	20		4	RECEPTACLE	100	1	20	
5	LIGHTING	100	1	20		6	RECEPTACLE	100	1	20	
7	LIGHTING	100	1	20		8	RECEPTACLE	100	1	20	
9	WATER HEATER	100	1	20		10	RECEPTACLE	100	1	20	
11	EXHAUST FAN	100	1	20		12	RECEPTACLE	100	1	20	



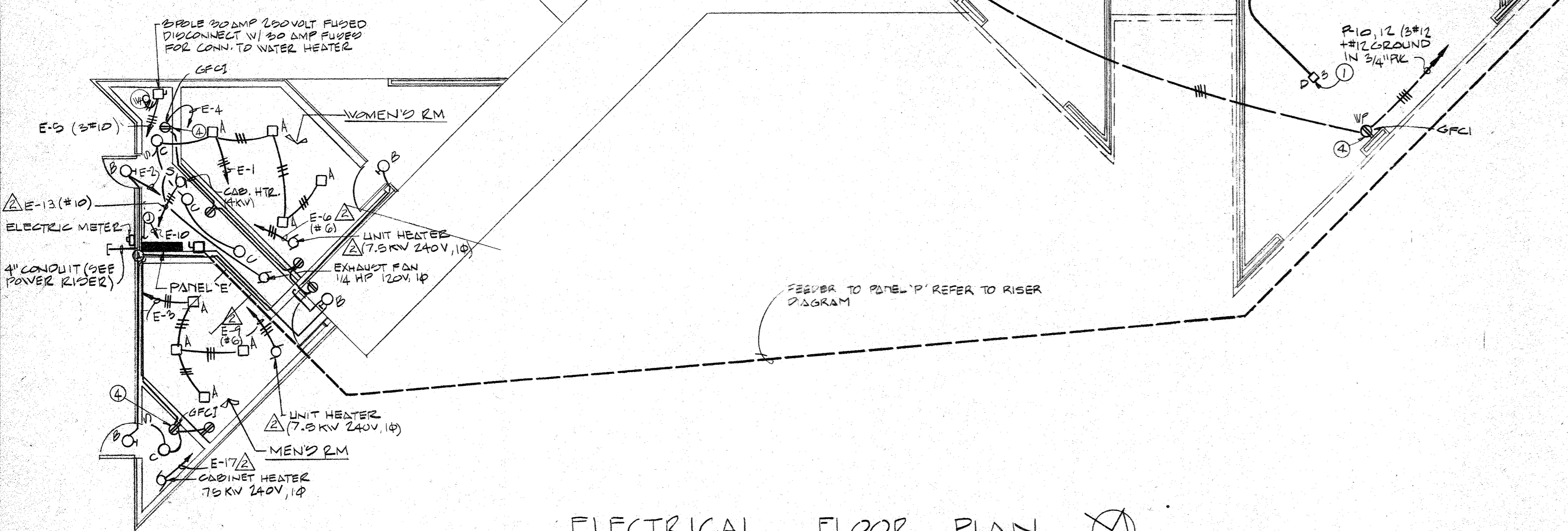
**ELECTRIC LOADS**

LOAD	CONNECTED	FACTOR	DEMAND
LIGHTING	10.4 KVA	100%	10.4 KVA
RECEPTACLE	3.6 KVA	30%	1.8 KVA
HEATING	19.8 KVA	100%	19.8 KVA
WATER HTR.	4.5 KVA	70%	3.2 KVA
MOTORS	0.3 KVA	100%	0.3 KVA
<b>TOTAL</b>	<b>38.6 KVA</b>		<b>35.5 KVA</b>

**GROUNDING NOTE**

BOND EXHAUST DUCT, BEAMS AND ALL COLUMNS PROVIDE GROUND ROD ALL EACH COLUMN AND BOND TO COLUMN

- DRAWING NOTES:**
- TYPE 'D' FIXTURE MOUNTED ON SECOND LEVEL FRAMING REFER TO DETAIL THIS DRAWING (TYPICAL OF 17)
  - TYPE 'D' FIXTURE MOUNTED ON THIRD LEVEL FRAMING.
  - DUPLEX RECEPTACLE MOUNTED IN WEATHERPROOF BOX AT SINK AND TABLE TOP
  - FEED THRU GFCI RECEPTACLES.



**LIGHTING FIXTURE SCHEDULE**

TYPE	DESCRIPTION	VOLTAGE	MOUNTED	LAMPS	CATALOG NO.
A	FLUORESCENT SQUARE W/ OPAL BULB CARBONATE DIFF	120V		2-F40 T-12 CIV	LIGHTOLIER #YD18-2202
B	H.I.D. EXTERIOR CUT OFF W/ BRONZE FINISH	120V	WALL	1-100W M.V.	LIGHTOLIER #YD6-15212
C	INCANDESCENT PORCELAIN LAMP HOLDER W/ WIRE GUARD	120V	RECESSED	1-100W A-19	BRYANT #5218-1V6
D	TUNGSTEN HALOGEN FLOOD LIGHT WITH LOUVER	120V	REFER TO DETAIL	1-300W QUARTZ T-3	STONO #CTC-510/CT-355
F	4' FLUORESCENT WITH 0° BALLAST	120V	SURFACE	2-F40-T12 RS-CW	KEYSTONE #A-240

APPROVED: For Public Water and Storm Drainage Systems and Roads  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *Shayr Nemy* 8-12-86  
 Chief, Bureau of Engineering: *William S. Poley* 8-12-86

APPROVED: For Public Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer: *John Byler* 8-13-86

APPROVED: Howard County Office of Planning and Zoning  
 Planning Director: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Chief, Division of Land Development and Zoning Administration: \_\_\_\_\_ DATE: \_\_\_\_\_

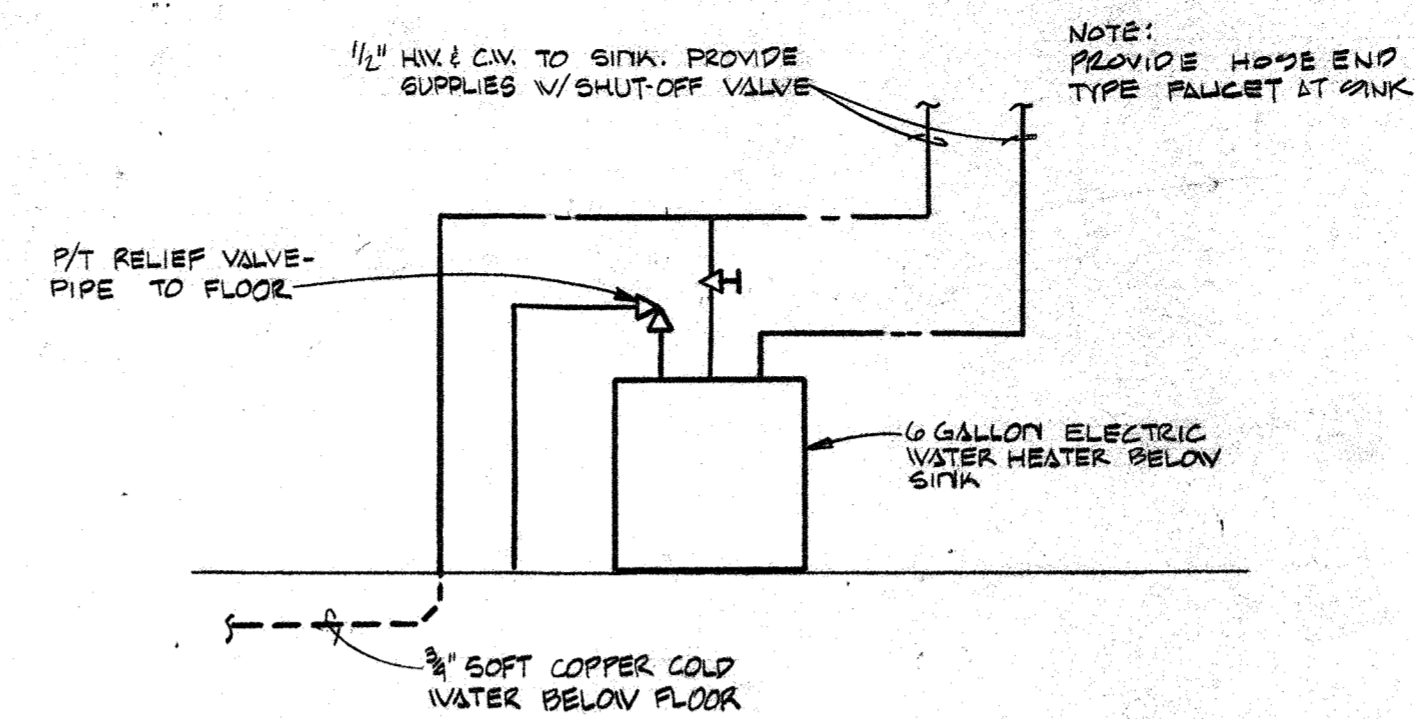
Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.  
 Election District No. 2, Howard County, MD. Tax Map No. 30  
 Liber 513 Folio 218, Parcel 111, 54.12 ac.  
 Adjacent Property Owners  
 W. Zalzer, P. 92; John A. Saas & wf, P. 93; Joseph Douglas Taury, P. 94; Joseph Taury, p. 194.  
 All other sides are owned by Howard County, Maryland.

**LD R LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND  
 RECREATION BUILDING & RESTROOM BUILDING

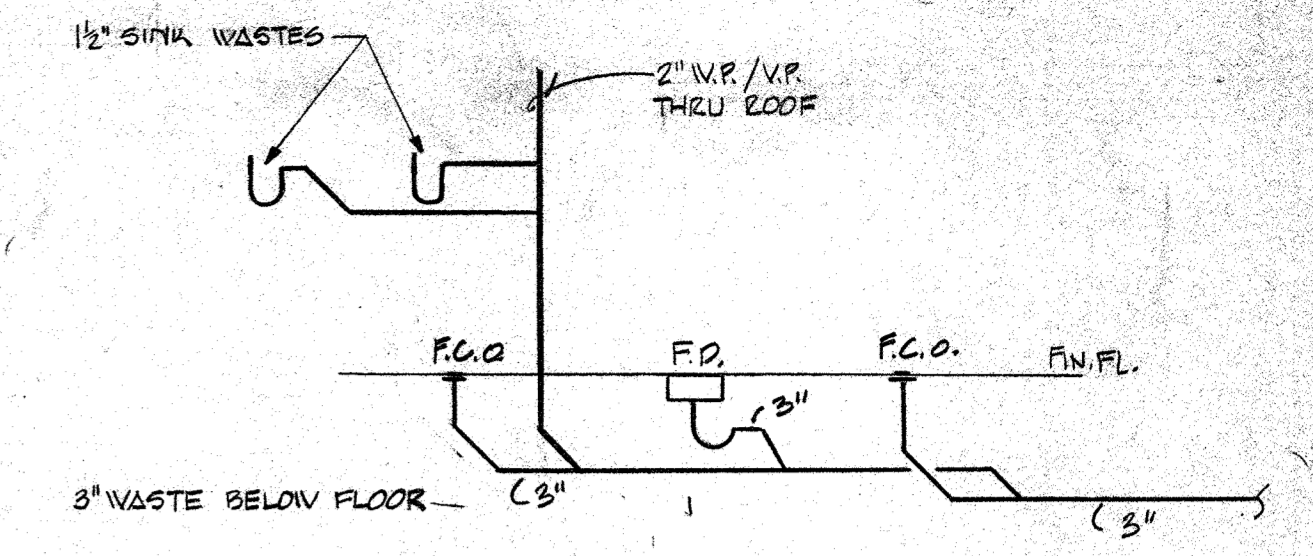
**CENTENNIAL PARK PHASE THREE SOUTH DAM AREA**

DATE	6-19-85	REVISIONS:		SHEET NO.
SCALE			7-11-86	<b>E1</b>
DRAWN				OF 38
CHECKED	11-1-86			

**Siegel & Rutherford, Inc.**  
 MECHANICAL • ELECTRICAL ENGINEERS  
 2125 MARYLAND AVENUE  
 BALTIMORE, MARYLAND 21218

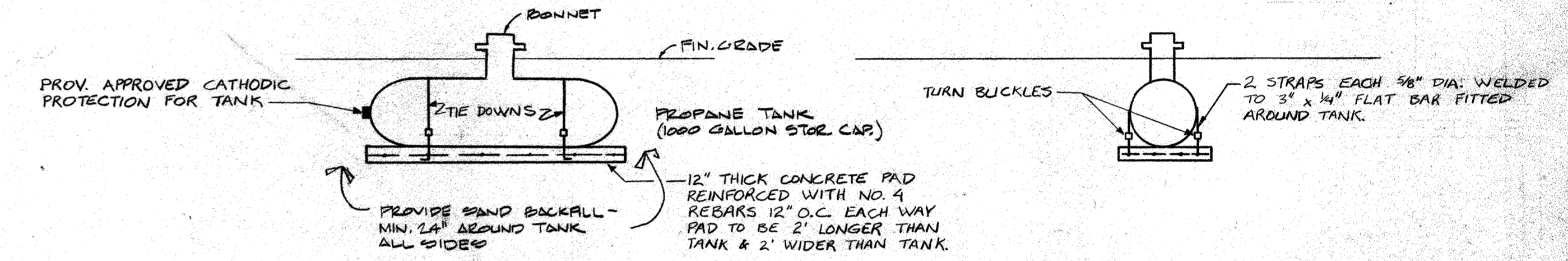


**WATER RISER DIAGRAM**  
NO SCALE

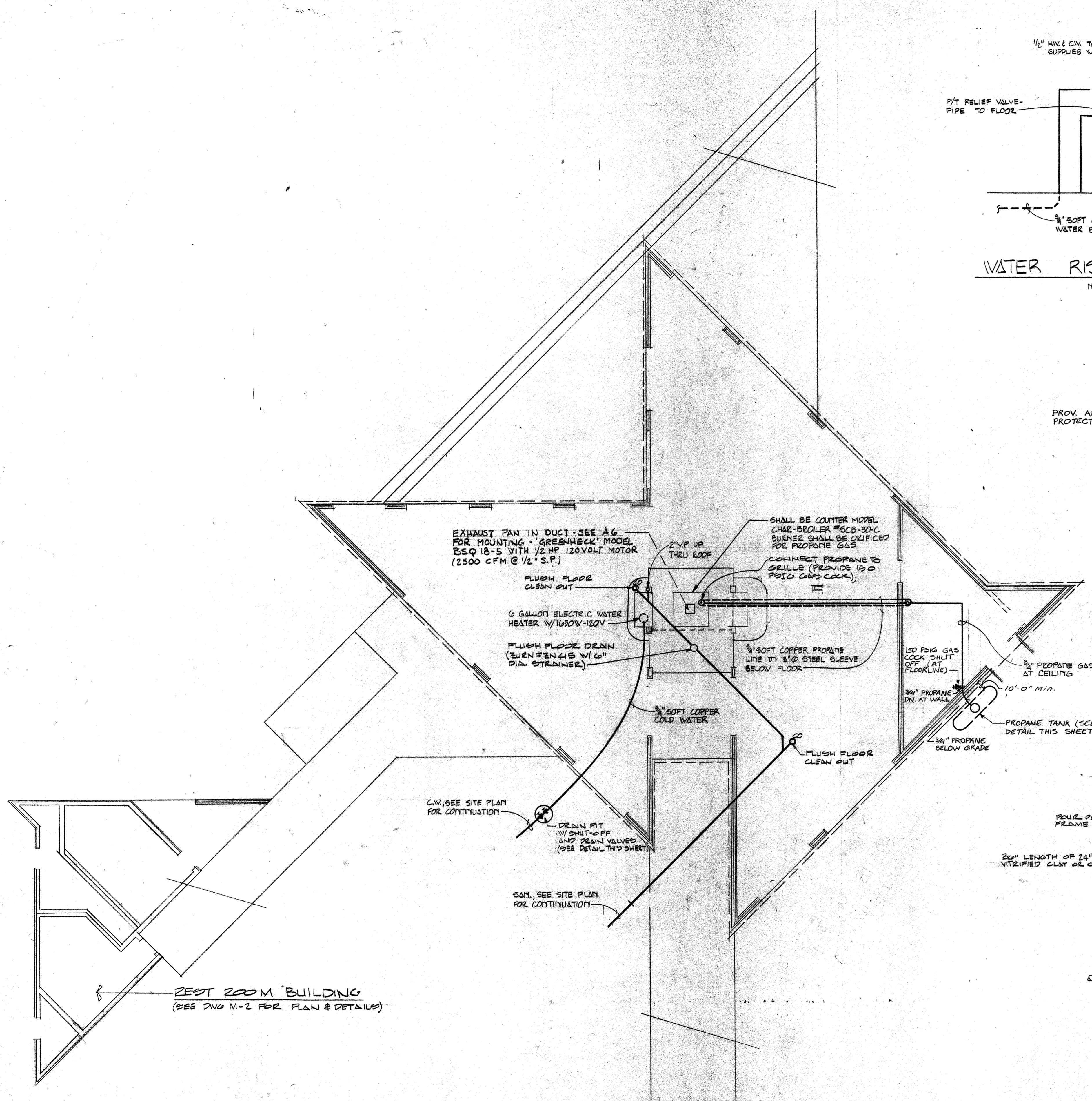


**PLUMBING RISER DIAGRAM**  
NO SCALE

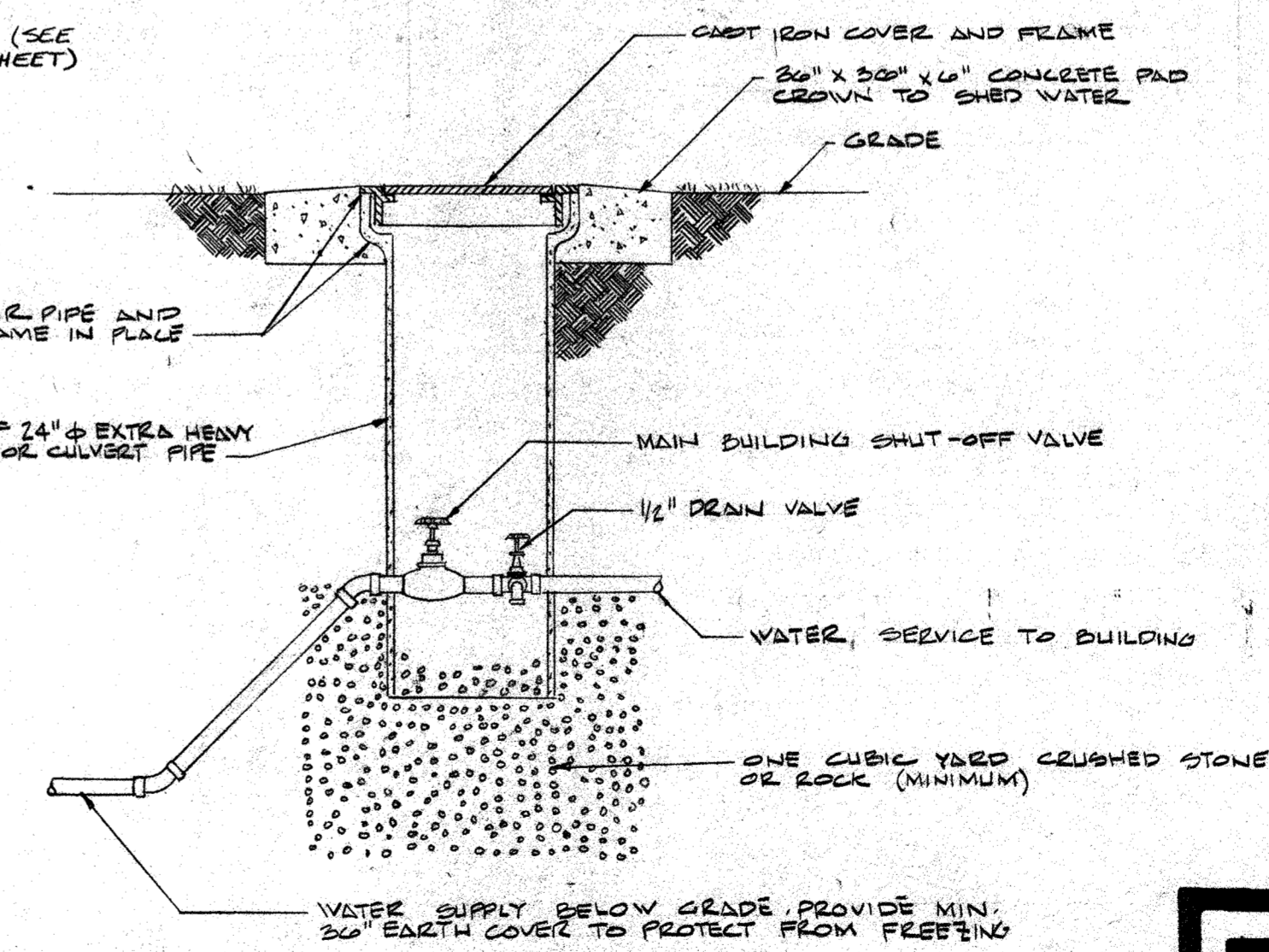
PROPANE TANK NOTES:  
TANK SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S WARRANTY REQUIREMENTS & CERTIFIED BY ASME & LABELED BY UNDERWRITERS LABORATORIES. PERMANENTLY AFFIX UL LABEL TO TANK. INSTALLATION SHALL COMPLY WITH NFPA NO. 58. FURNISH APPURTENANCES, ANCHOR STRAPS, TAPS, FITTINGS BY TANK MANUFACTURER.



**PROPANE TANK DETAIL**  
NO SCALE



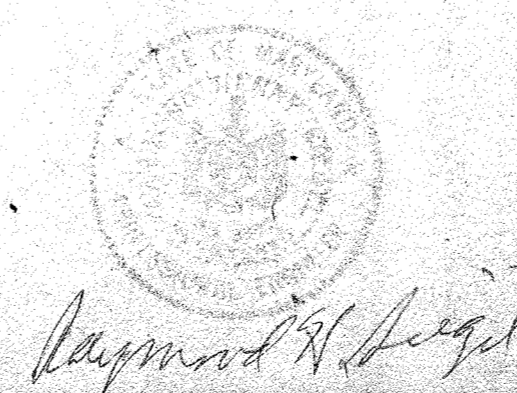
**FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**DRAIN PIT DETAIL**  
NO SCALE

APPROVED: For Public Water and Storm Drainage Systems and Roads	
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>Steve Nemey</i> DIRECTOR	8-16-86 DATE
<i>Richard R. Riley</i> CHIEF, BUREAU OF ENGINEERING	8-12-86 DATE
APPROVED: For Public Sewerage Systems	
HOWARD COUNTY HEALTH DEPARTMENT	
<i>John Boyler</i> COUNTY HEALTH OFFICER	8-13-86 DATE
APPROVED: Howard County Office of Planning and Zoning	
PLANNING DIRECTOR	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	DATE

Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.  
Election District No. 2, Howard County, MD. Tax Map No. 30  
Liber 513 Folio 218, Parcel 111, 54.12 ac.  
Adjacent Property Owners  
W. Zaizer, P. 92; John A. Saas & w/f, P. 93; Joseph Douglas Taury, P. 94; Joseph Taury, P. 194.  
All other sides are owned by Howard County, Maryland.



**Siegel & Rutherford, Inc.**  
MECHANICAL • ELECTRICAL ENGINEERS  
2125 MARYLAND AVENUE  
BALTIMORE, MARYLAND 21218

**LD LAND DESIGN / RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND  
RECREATION BUILDING

**CENTENNIAL PARK PHASE THREE SOUTH DAM AREA**

DATE	6-19-85	REVISIONS	PROPANE TANK REV. 7-11-86
SCALE			
DRAWN			
CHECKED	11-1-84		

SHEET NO. **MI** OF 38

APPROVED: For public Water, Drainage Systems and Roads and Storm  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DATE: 8-16-81

DATE: 8-13-81

APPROVED: For public Water and private Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT

DATE: 8-13-81

APPROVED: Howard County Office of Planning and Zoning

DATE:

Howard County, Md., Dept. of Public Works for the Dept. of Rec. & Parks, 3430 Court House Drive, Ellicott City, Maryland.

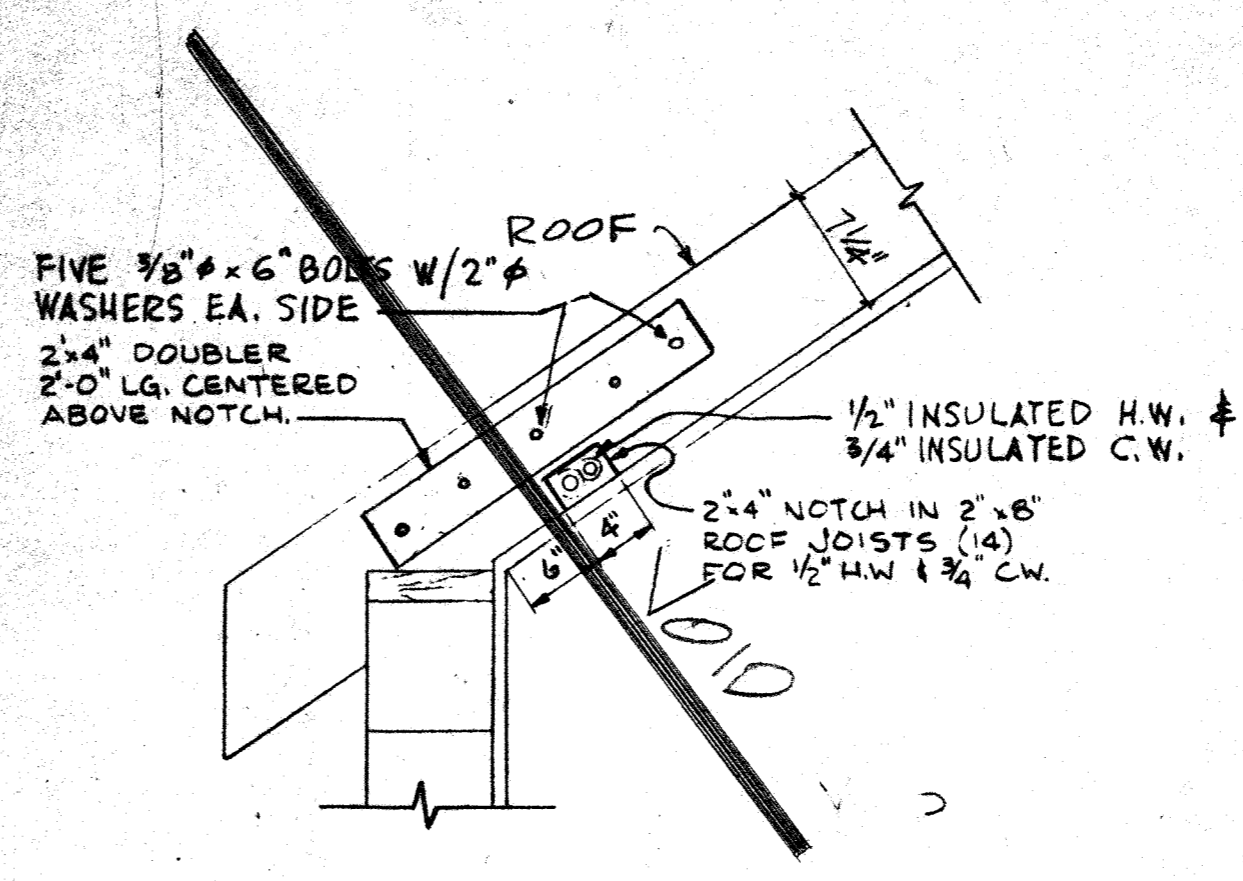
Election District No. 2, Howard County, Md. Tax Map No. 30 Liber 513 Folio 218, Parcel 111, 54.12 ac.

Adjacent Property Owners  
 W. Zaizer, P. 92; John A. Saas & wf, P. 93; Joseph Douglas Taury, P. 94; Joseph Taury, P. 194.  
 All other sides are owned by Howard County, Maryland.

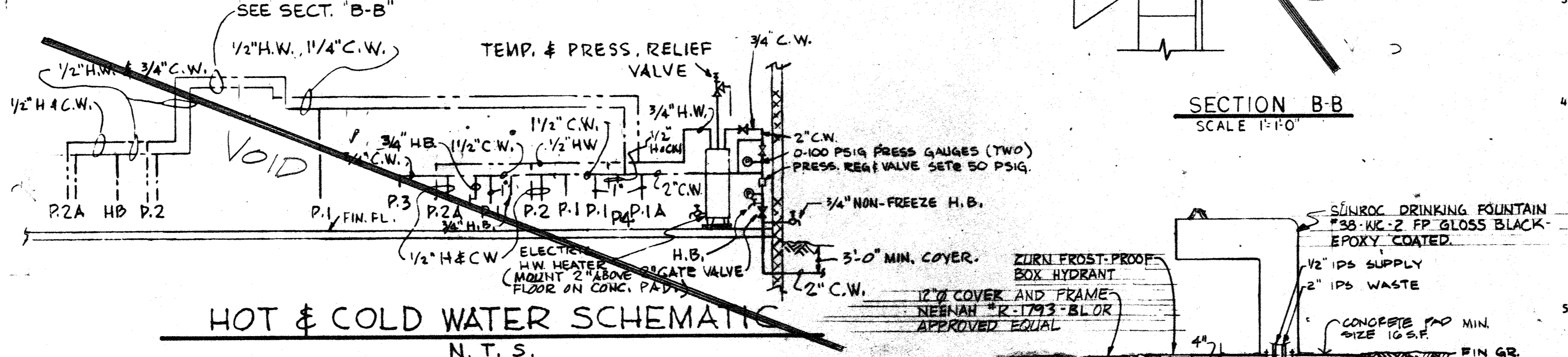
NO	FIXTURE	WASTE	VENT	C.W.	H.W.	REMARKS
P-1	WATER CLOSET	4"	2"	1"	-	WALL HUNG.
P-1A	WATER CLOSET	4"	2"	1"	-	SAME AS P-1 EXCEPT MOUNTED AT 18" FROM FLOOR TO TOP OF SEAT.
P-2	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	WALL MTD.
P-2A	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	WHEELCHAIR TYPE.
P-3	URINAL	2"	1 1/2"	3/4"	-	WALL MTD.
P-4	SERVICE SINK	3"	1 1/2"	1/2"	1/2"	FLOOR MTD. RECEPTOR*

\* STERN WILLIAMS MODEL SB-800 24" x 24" x 12"

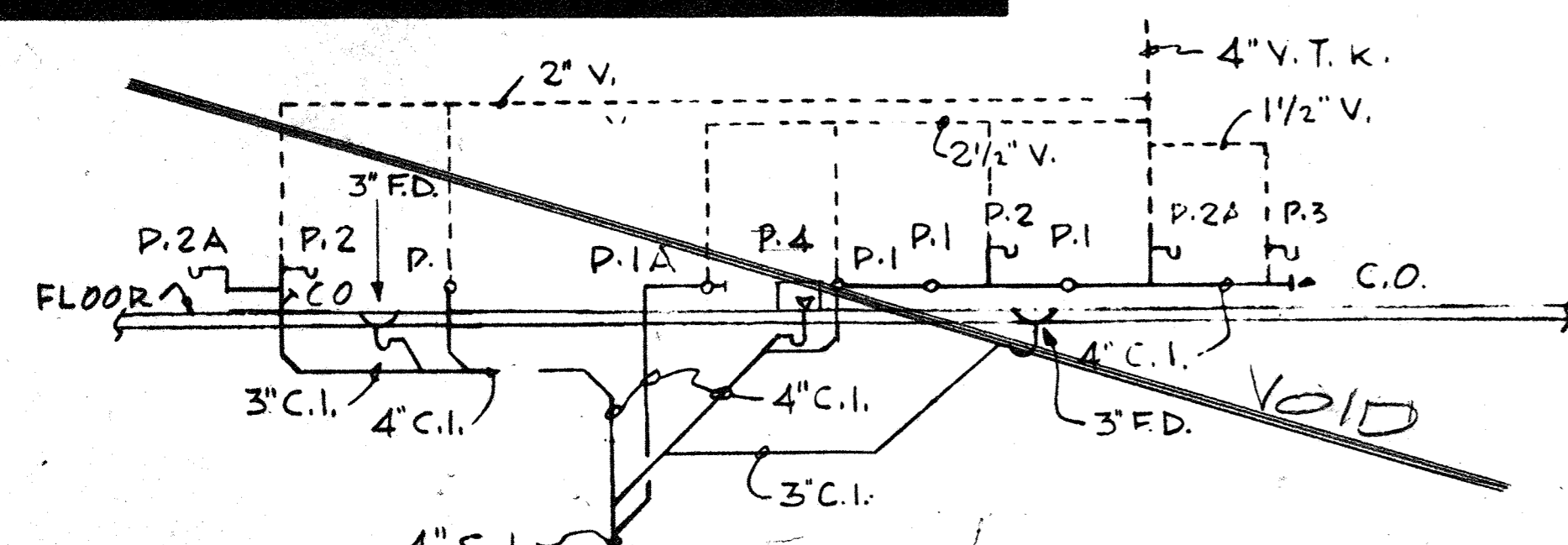
NOTE: ALL FIXTURES SHALL BE "WATER SAVING TYPE"



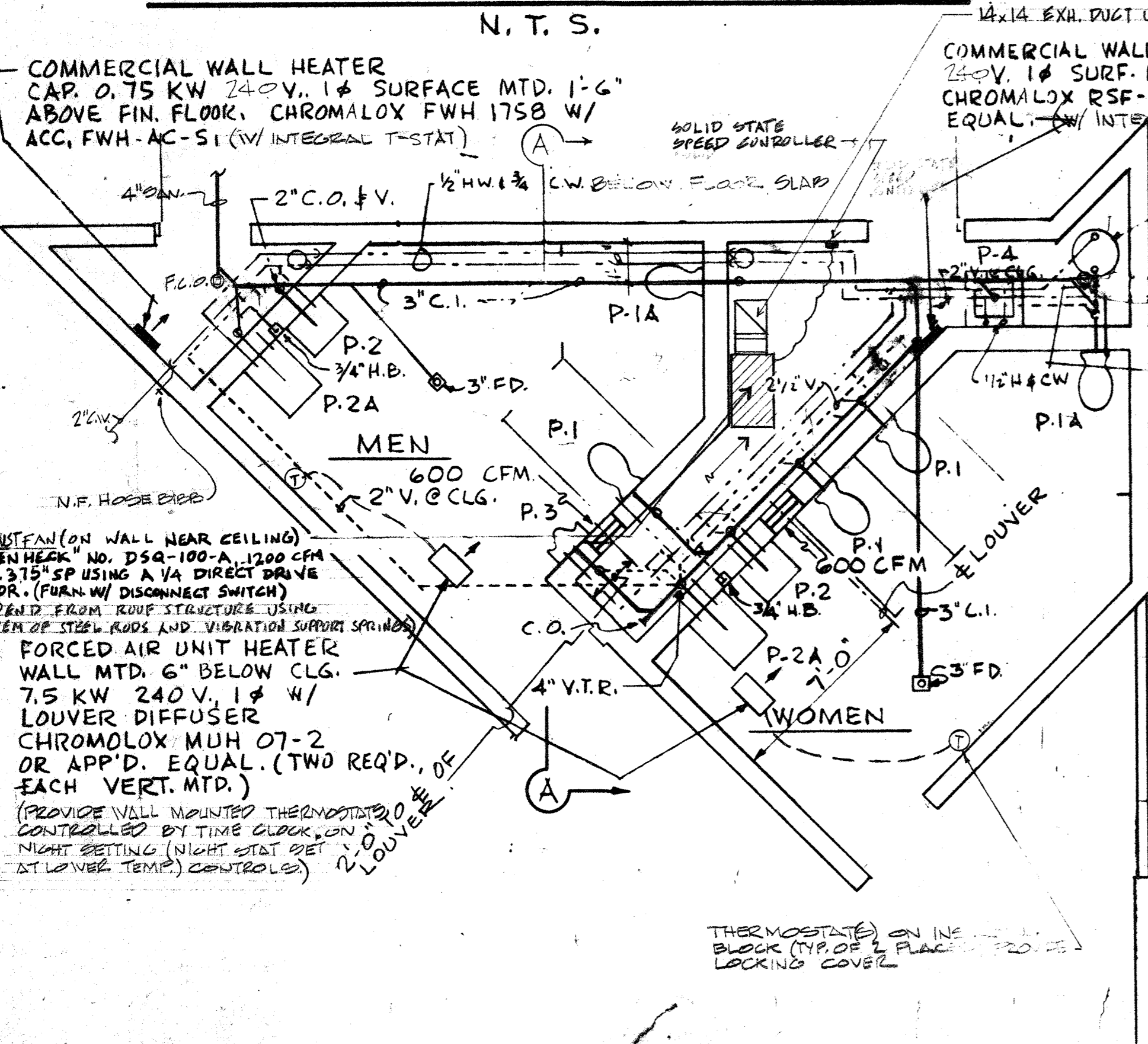
SECTION B-B SCALE: 1/4" = 1'-0"



HOT & COLD WATER SCHEMATIC N.T.S.



SANITARY SCHEMATIC N.T.S.

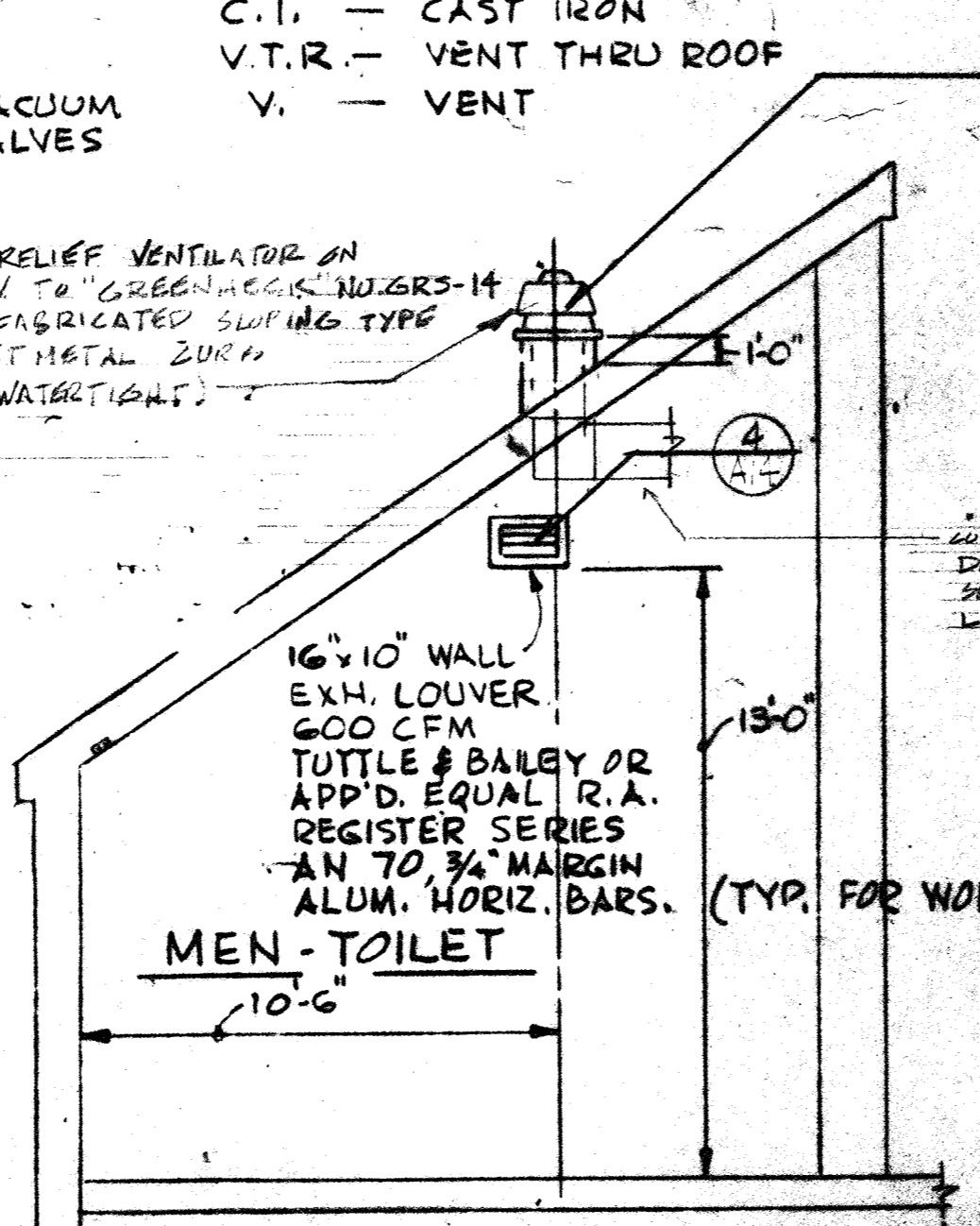


PLAN - PLUMBING SCALE: 1/4" = 1'-0"

\* FURNISH W/ SPEED CONTROLLER. LOCATE WHERE SHOWN WITH MECHANICAL SPACE.

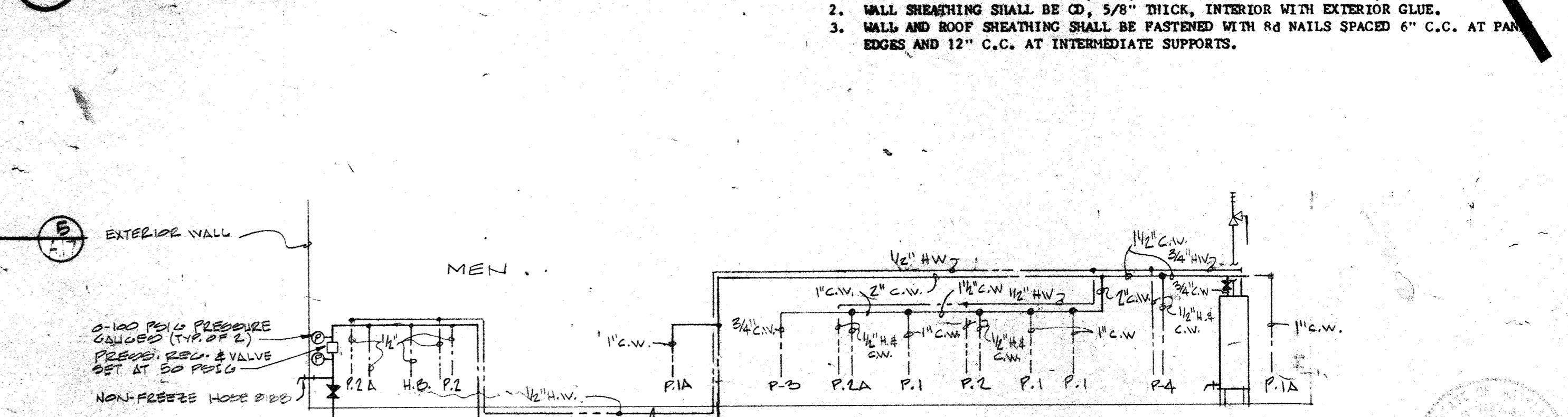
SYMBOLS

- SOIL OR WASTE
- VENT
- COLD WATER
- HOT WATER
- H.B. - HOSE BIBB
- N.F. H.B. - NON FREEZE HOSE BIBB
- C.I. - CAST IRON
- V.T.R. - VENT THRU ROOF
- V. - VENT

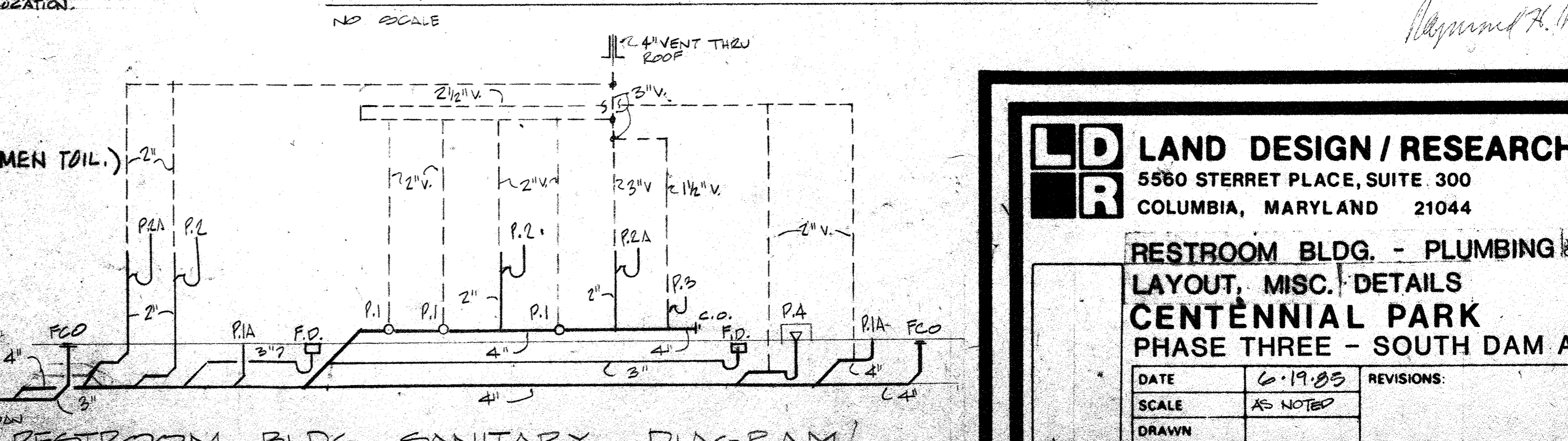


SECTION "A-A" SCALE: 1/4" = 1'-0"

DRINKING FOUNTAIN N.T.S.



RESTROOM BLDG. DOMESTIC WATER DIAG.



RESTROOM BLDG. SANITARY DIAGRAM

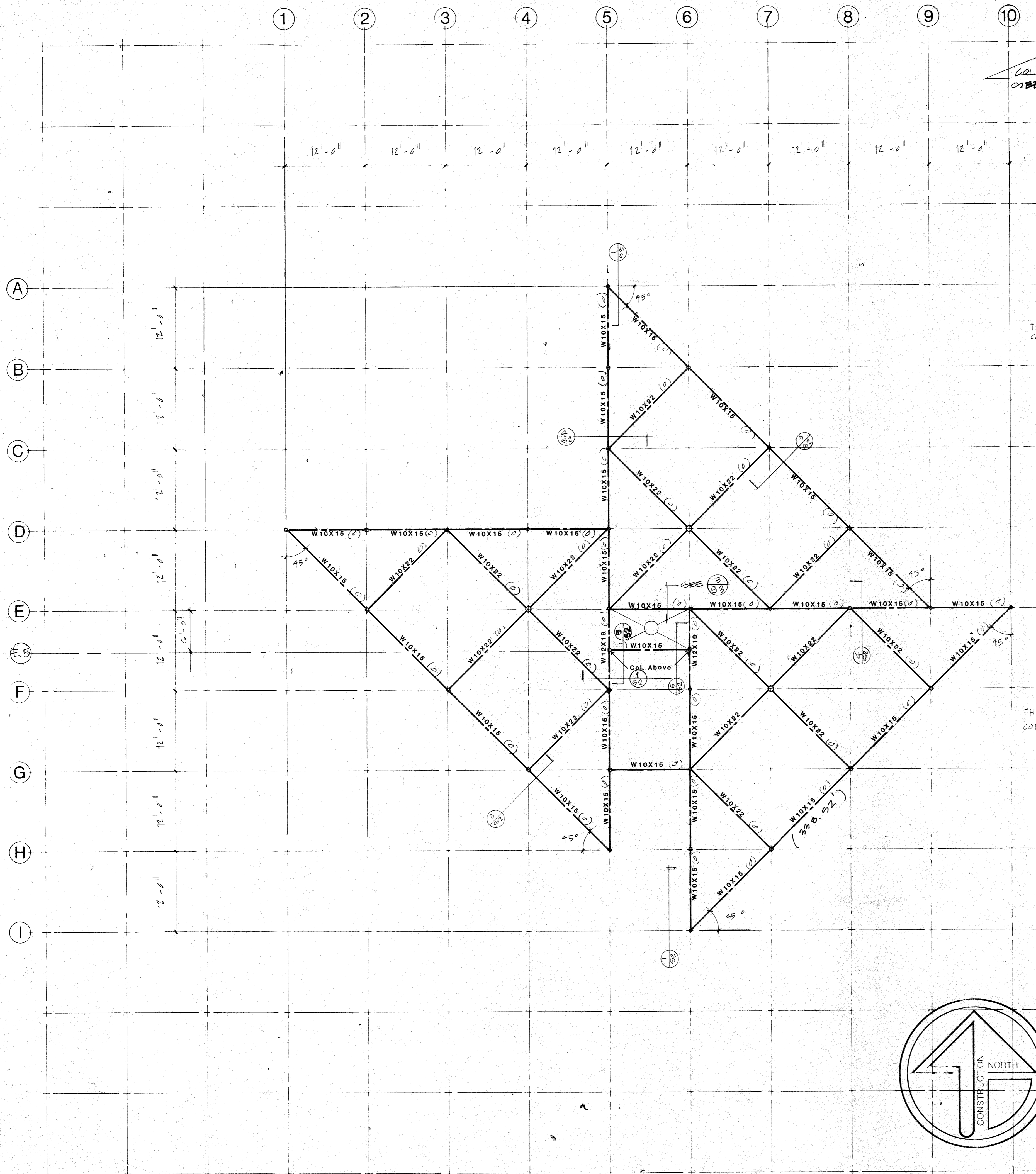
- DESIGN LIVE LOADS:
- FLOOR AND DECK: 100 PSF
  - ROOF: 20 PSF
  - WIND: 15 PSF
2. FOUNDATIONS:
- A. SOIL BEARING VALUE IS ASSUMED TO BE 3000 PSF. CONTRACTOR SHALL EMPLOY A GEOTECHNICAL ENGINEER TO ASCERTAIN THAT SOIL OF THIS CAPACITY OR HIGHER IS FOUND NOT TO EXIST THEN WORK MUST BE SUSPENDED UNTIL INSTRUCTIONS ARE RECEIVED FROM THE ENGINEER.
  - B. FOOTINGS SHALL BEAR ON UNDISTURBED SOIL A MINIMUM OF 2'-6" BELOW FINISHED GRADE AND 1' BELOW EXISTING GRADE.
  - C. BACKFILL SHALL BE PLACED IN 8" LAYERS AND COMPACTED WITH APPROVED MECHANICAL TAMPERS TO MAXIMUM DENSITY.
3. CONCRETE:
- A. CONCRETE SHALL BE PROPORTIONED TO DEVELOP COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS.
  - B. 6 X 6 #10/10 WIRE MESH SHALL BE PLACED IN ALL SLABS ON GRADE UNLESS NOTED OTHERWISE. LAPS SHALL BE A MINIMUM OF 6".
4. MASONRY:
- A. ALL MORTAR IN FOUNDATIONS SHALL BE TYPE S PER BOCA BASIC BUILDING CODE, SECTION 916, HAVING COMPRESSIVE STRENGTH OF 1,800 PSI IN 28 DAYS.
  - B. CONCRETE BLOCK SHALL BE LOAD BEARING PER ASTM C90-75.
  - C. MASONRY WALL REINFORCING SHALL BE STANDARD GAGE DUR-O-WAL, GALVANIZED, LAID IN EVERY SECOND BED JOINT EXCEPT WHERE NOTED OTHERWISE. TWO CONSECUTIVE JOINTS ABOVE AND BELOW OPENINGS AND TOP THREE COURSES OF ALL WALLS SHALL ALSO BE REINFORCED.
  - D. TOP OF ALL WALLS AND BEARING COURSES UNDER JOIST AND BEAMS SHALL BE SOLID BLOCK A MINIMUM OF 4" HIGH, FULL THICKNESS OF WALL.
5. METALS:
- A. ALL NAILS, BOLTS, PLATES, HANGERS, AND IRON OF EVERY DESCRIPTION SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
6. STRUCTURAL WOOD:
- A. ALL STRUCTURAL WOOD SHALL BEAR THE GRADE MARK OF THE GRADING RULES AGENCY HAVING JURISDICTION.
  - B. ROOF AND WALL FRAMING SHALL BE NO. 2 SOUTHERN PINE, NO. 2 HEM/FIR OR APPROVED EQUAL.
  - C. DECKING, JOIST AND TIMBERS SHALL BE PRESSURE TREATED SOUTHERN PINE. TREATMENT SHALL CONFORM TO AMERICAN WOOD-PRESERVERS' ASSOCIATION STANDARD WPA LP-22. TREATMENT SHALL BE CCA, CHROMIATED COPPER ARSENATE.
    - 1. DECKING SHALL BE NO. 1, TREATED TO .40 RETENTION.
    - 2. JOIST AND BEAMS TO 4" THICK SHALL BE NO. 2, TREATED TO .60 RETENTION.
    - 3. BEAMS THICKER THAN 4" SHALL BE NO. 2 SR (STRESS RATED) TREATED TO .60 RETENTION.
  - D. ALL FRAMING MEMBERS SHALL HAVE MINIMUM 4" BEARING ON WOOD OR MASONRY TO BE SUPPORTED BY METAL FRAMING DEVICES CAPABLE OF DEVELOPING FULL STRENGTH OF THE MEMBER.
  - E. BOCA BUILDING CODE, APPENDIX L, RECOMMENDED NAILING SCHEDULE, SHALL BE FOLLOWED FOR ALL WOOD NAILING UNLESS SPECIFIED OTHERWISE.
  - F. ALL PLYWOOD SHALL BE GRADED PER AMERICAN PLYWOOD ASSOCIATION STANDARDS.
    - 1. ROOF SHEATHING SHALL BE CD, TRG, INTERIOR WITH EXTERIOR GLUE, 5/8" THICK.
    - 2. WALL SHEATHING SHALL BE CD, 5/8" THICK, INTERIOR WITH EXTERIOR GLUE.
    - 3. WALL AND ROOF SHEATHING SHALL BE FASTENED WITH 8d NAILS SPACED 6" C.C. AT PANEL EDGES AND 12" C.C. AT INTERMEDIATE SUPPORTS.

**LD LAND DESIGN / RESEARCH, INC.**  
 5560 STERRET PLACE, SUITE 300  
 COLUMBIA, MARYLAND 21044

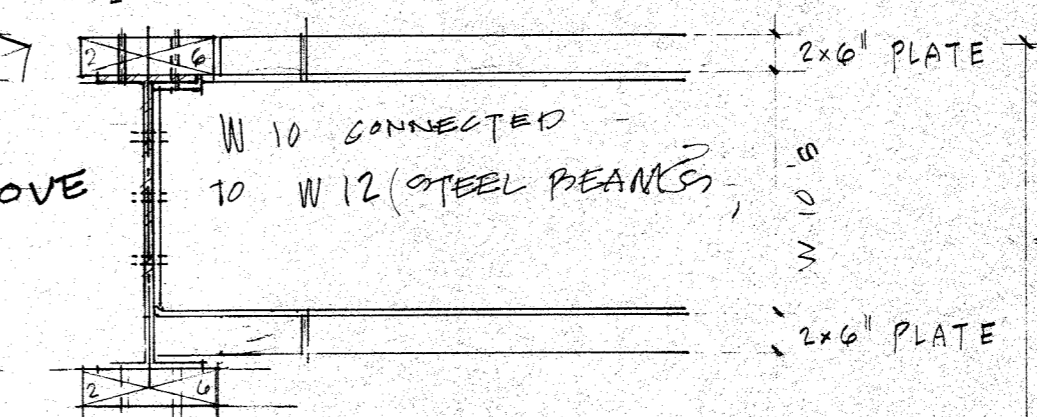
**RESTROOM BLDG. - PLUMBING & HVAC LAYOUT, MISC. DETAILS CENTENNIAL PARK PHASE THREE - SOUTH DAM AREA**

DATE	6-19-85	REVISIONS:	SHEET NO.
SCALE	AS NOTED		<b>M2</b>
DRAWN			OF 38
CHECKED			

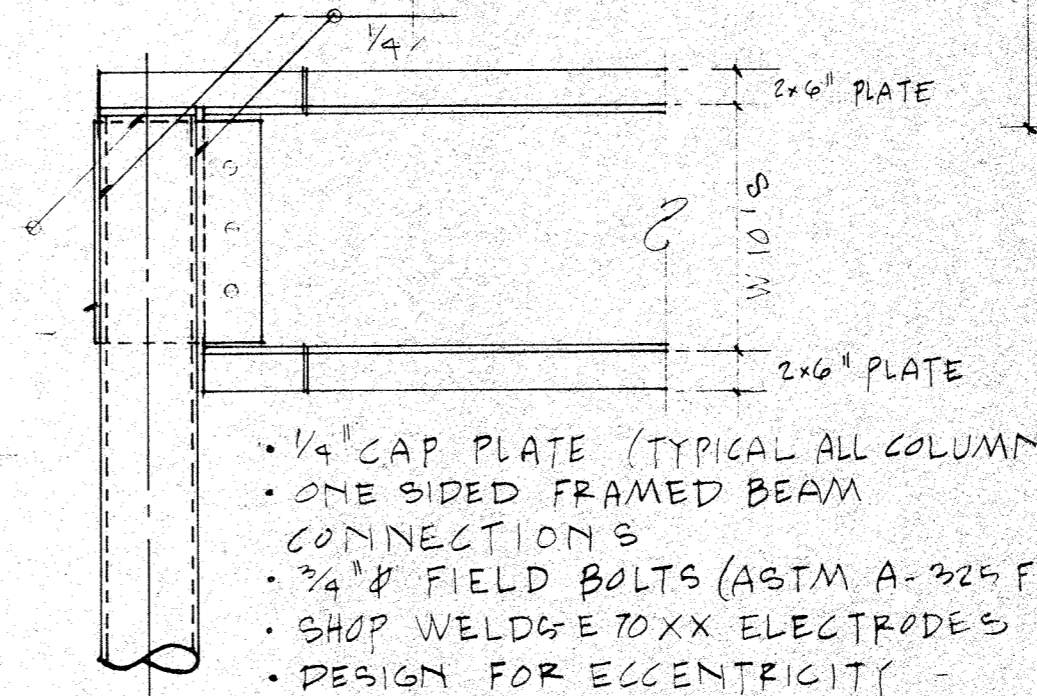




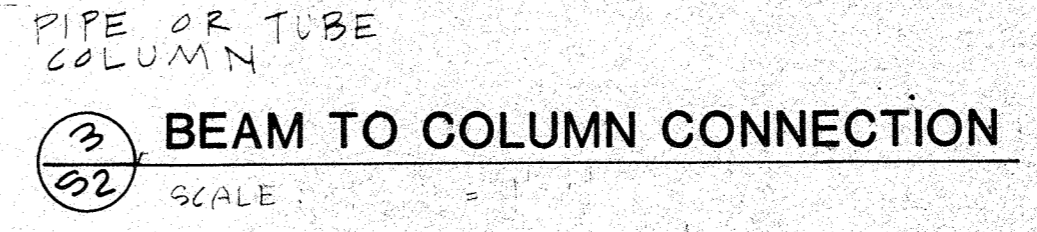
CONNECT PLATE TO BEAM W/  
2-1/2" Ø BOLTS @ 36" O.C. STAGGERED (ASTM A-307)



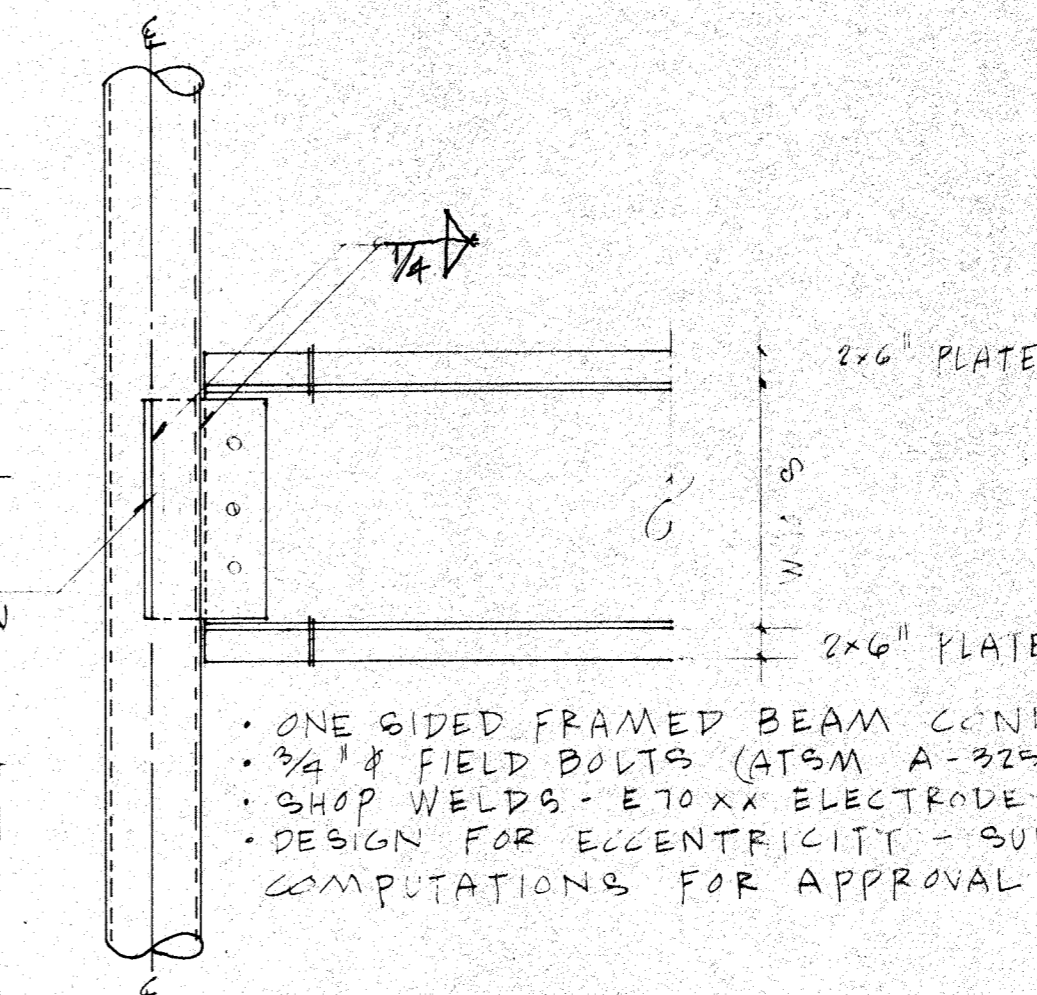
1 BEAM TO BEAM CONNECTION  
SCALE: 1/2" = 1'-0"



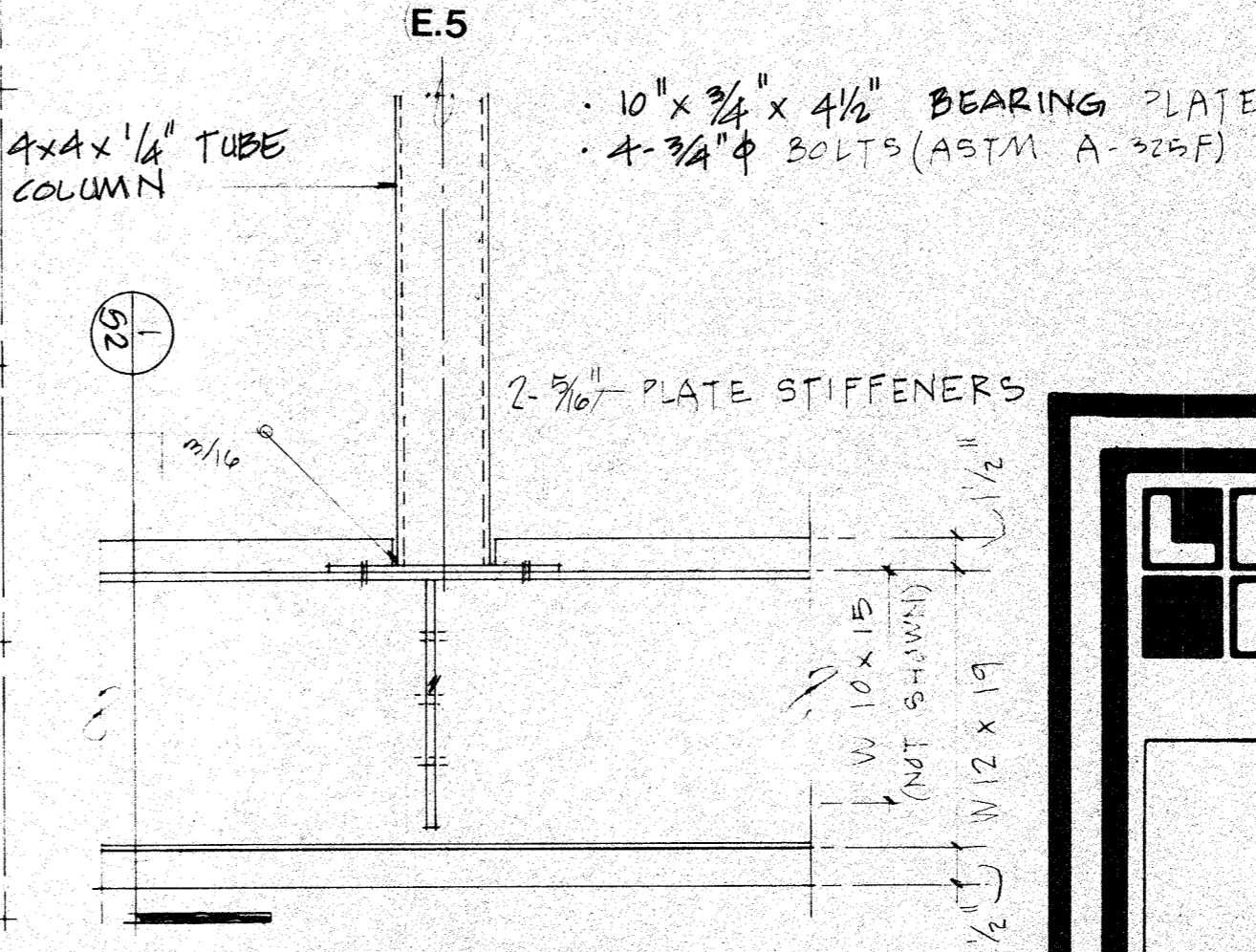
2 BOLT LAYOUT IN BEAM FLANGE (PLAN VIEW)  
SCALE: 1/2" = 1'-0"



3 BEAM TO COLUMN CONNECTION  
SCALE: 1/2" = 1'-0"



4 BEAM TO COLUMN CONNECTION  
SCALE: 1 1/2" = 1'-0"



5 COLUMN AT BEAM  
SCALE: 1/2" = 1'-0"

NOTES:

- Elevation top of steel beams indicated on plan thus: (#0") shall be measured from elevation MB.52
- Structural steel beams shall conform to ASTM-A36.
- Structural steel tube columns shall conform to ASTM-A500, grade A (Fy=39 ksi).
- Structural steel pipe columns shall conform to ASTM-A501 (Fy=36 ksi).

APPROVED: For Public Water and Storm Drainage Systems and Roads  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *[Signature]* DATE: 9-2-85  
 Chief, Bureau of Engineering: *[Signature]* DATE: 6-27-85

APPROVED: For Public Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer: *[Signature]* DATE: 8-13-86

APPROVED: Howard County Office of Planning and Zoning  
 Planning Director: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Chief, Division of Land Development and Zoning Administration: \_\_\_\_\_ DATE: \_\_\_\_\_

*[Seal of Howard County, Maryland]*

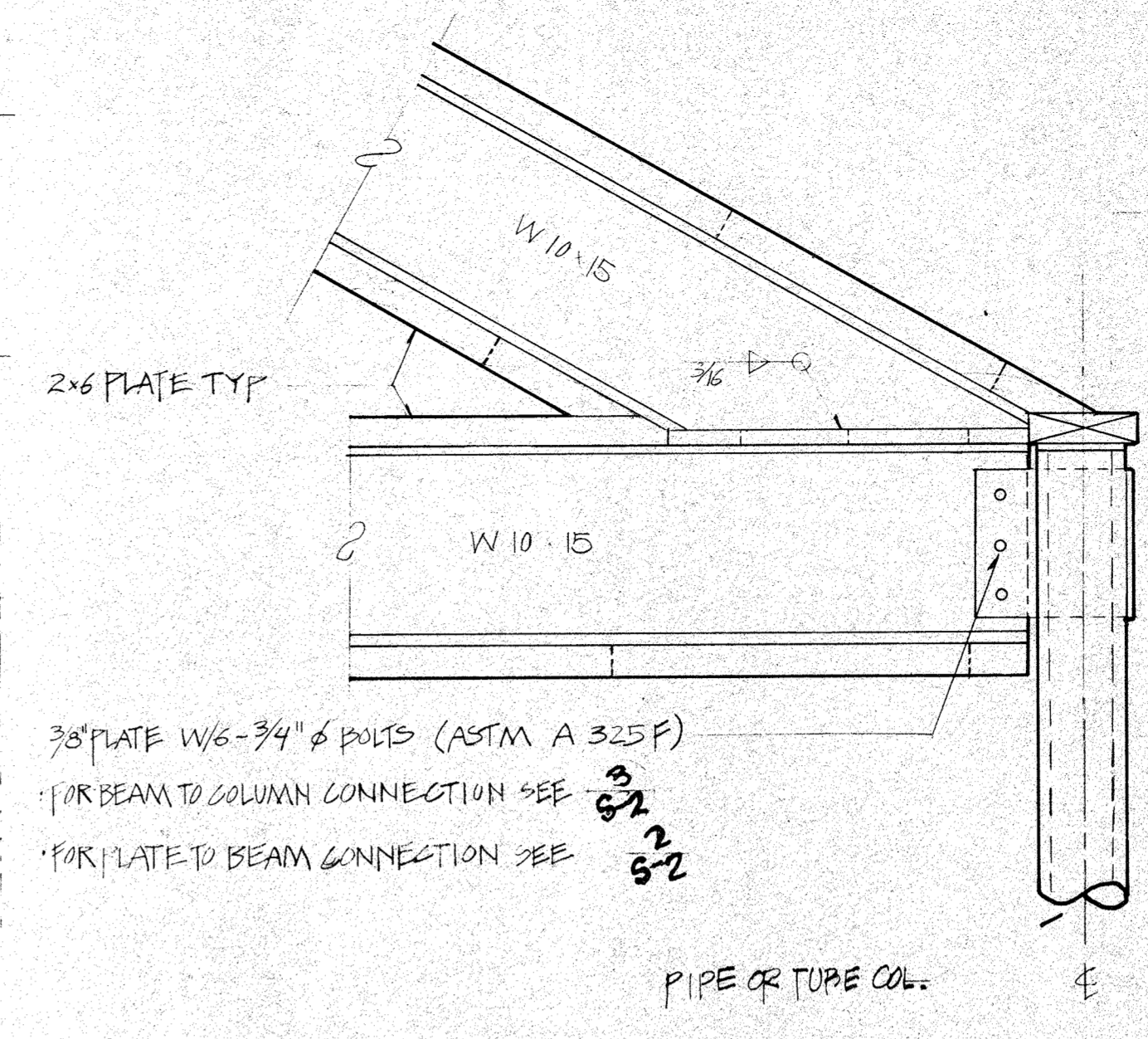
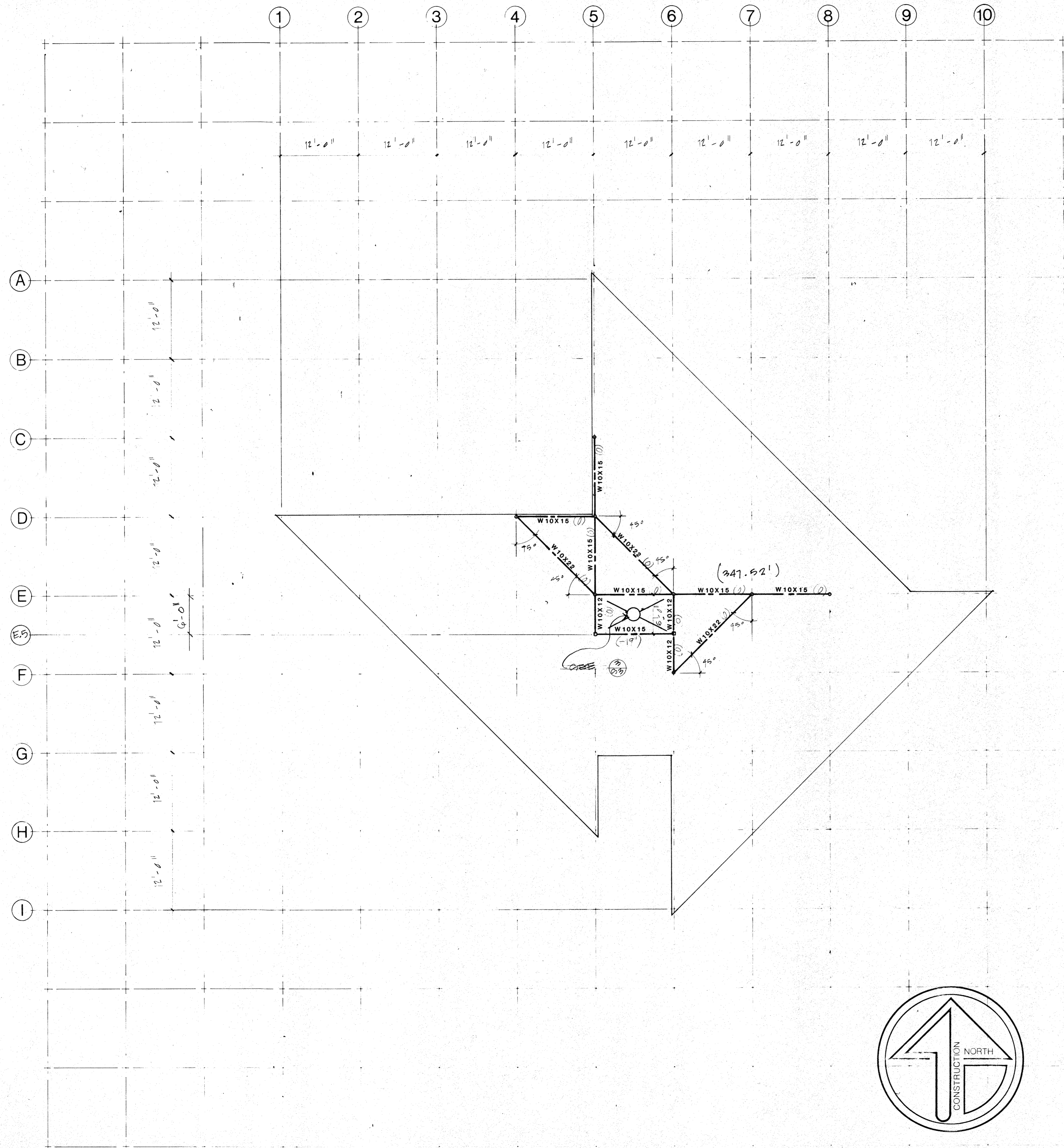
**LD R LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND

**RECREATION BUILDING  
 2ND LEVEL FRAMING PLAN  
 CENTENNIAL PARK  
 PHASE 3 SOUTH DAM AREA**

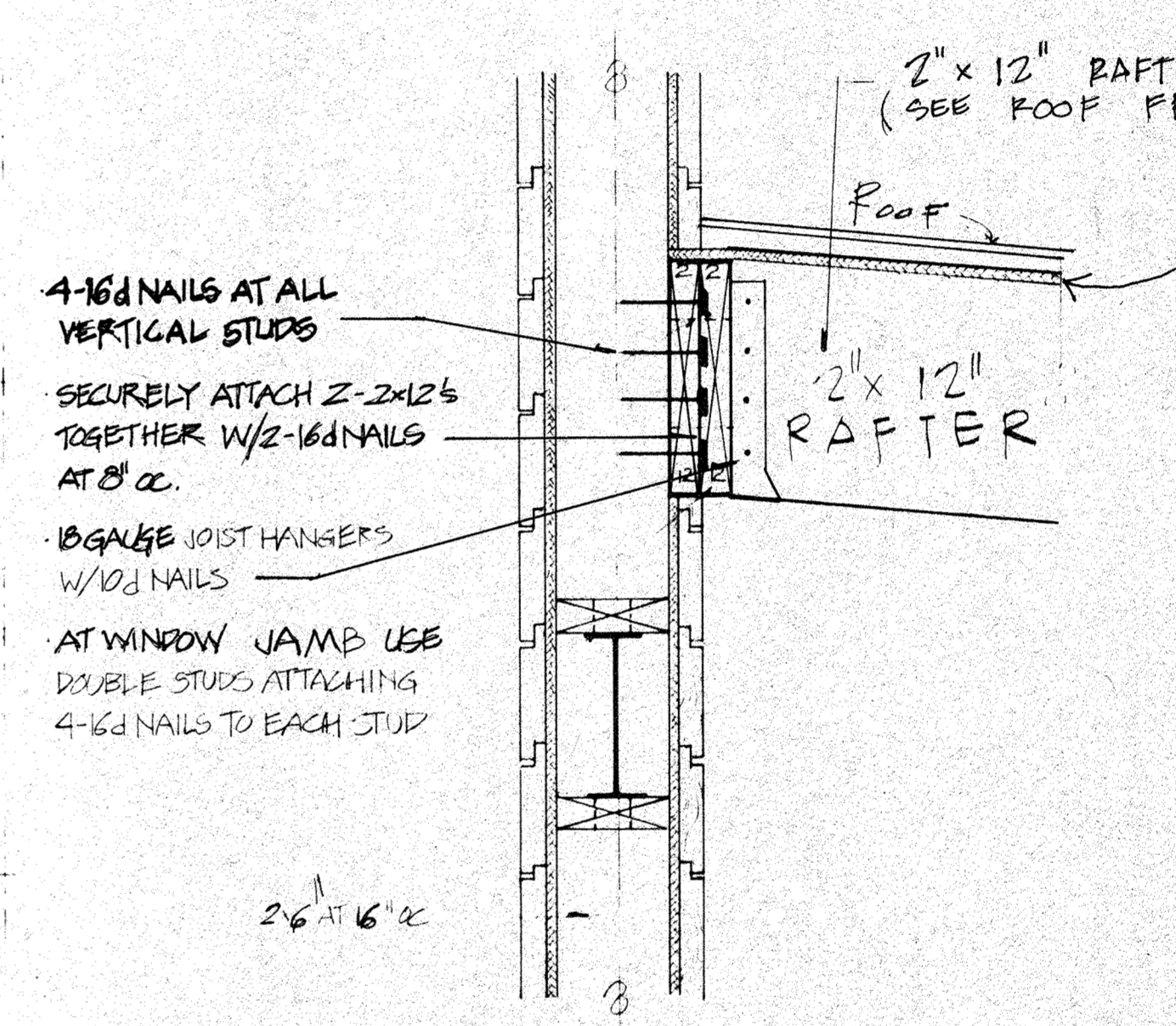
DATE	6-19-85	REVISIONS:	SHEET NO <b>S2</b> OF 38
SCALE	1/8" = 1'-0"		
DRAWN	M J B		
CHECKED	11-1-84		

SDP-86-02

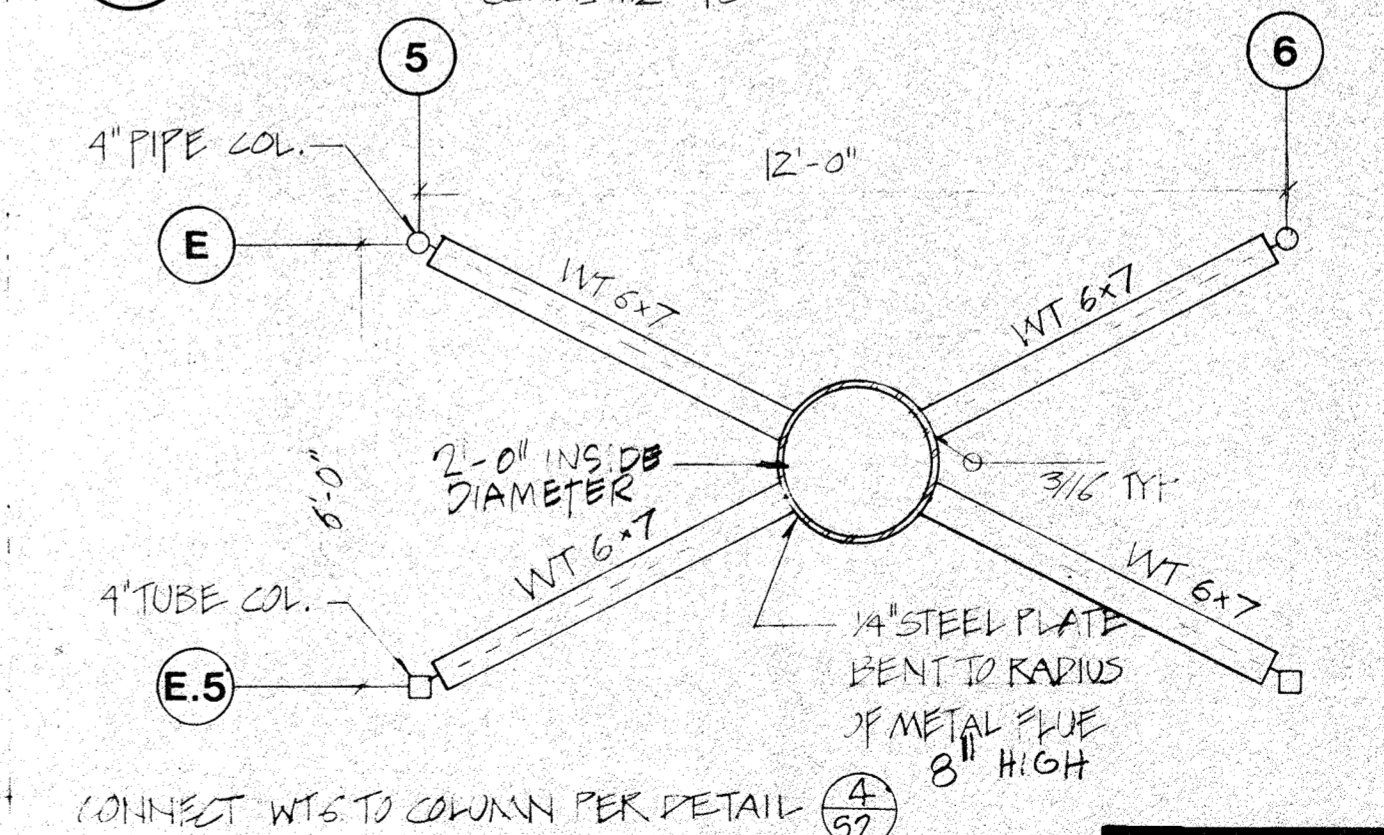




① SLOPED BEAM AT COLUMN  
SCALE 1/2" = 1'-0"



② WOOD BEAM AT STUD WALL  
SCALE 1/2" = 1'-0"



③ SUPPORT FOR FLUE  
SCALE 3/8" = 1'-0"

- NOTES
- Elevation top of steel beams indicated on plan thus: (±0") shall be measured from elevation 347.52
  - Structural steel beams shall conform to ASTM A-36.
  - Structural steel tube columns shall conform to ASTM-A500, grade A (Fy=39 ksi).
  - Structural steel pipe columns shall conform to ASTM-A501 (Fy=36 ksi).

APPROVED: For Public Water and Storm Drainage Systems and Roads  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Wayne J. ...* DIRECTOR 9-28-85  
*William S. Ray* CHIEF, BUREAU OF ENGINEERING 6-27-85

APPROVED: For Public Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
*John ...* COUNTY HEALTH OFFICER 8-13-86

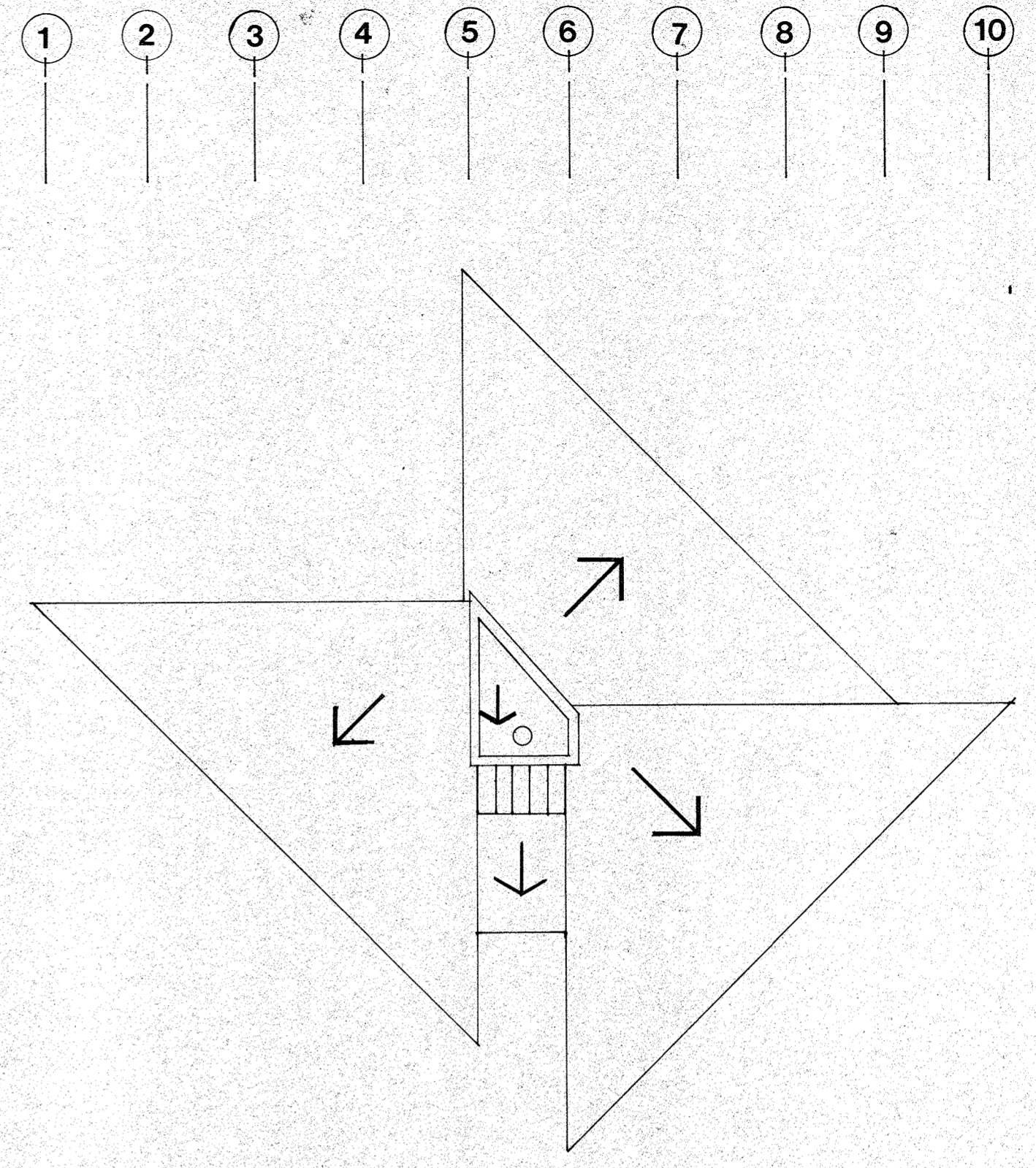
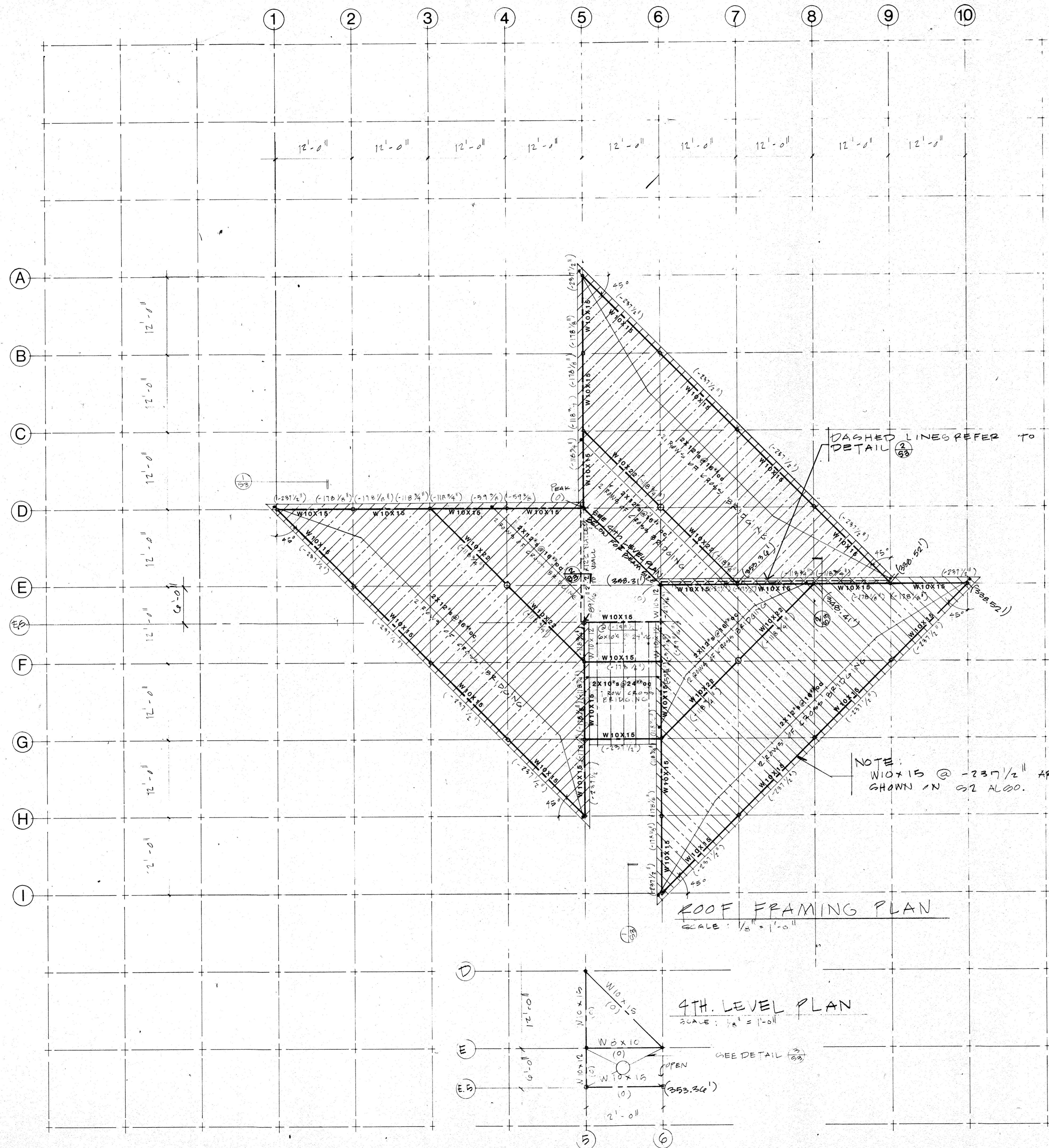
APPROVED: Howard County Office of Planning and Zoning  
 PLANNING DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION \_\_\_\_\_ DATE \_\_\_\_\_

*Frank ...*

**LD R LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND

**RECREATION BUILDING  
 3RD LEVEL FRAMING PLAN  
 CENTENNIAL PARK  
 PHASE 3 SOUTH DAM AREA**

DATE	6-19-85	REVISIONS:	SHEET NO.
SCALE	1/2" = 1'-0"		<b>S3</b>
DRAWN	M J B		OF 38
CHECKED	7-1-84		



**ROOF PLAN**  
1/16" 1' - 0"

**NOTES ROOF FRAMING**

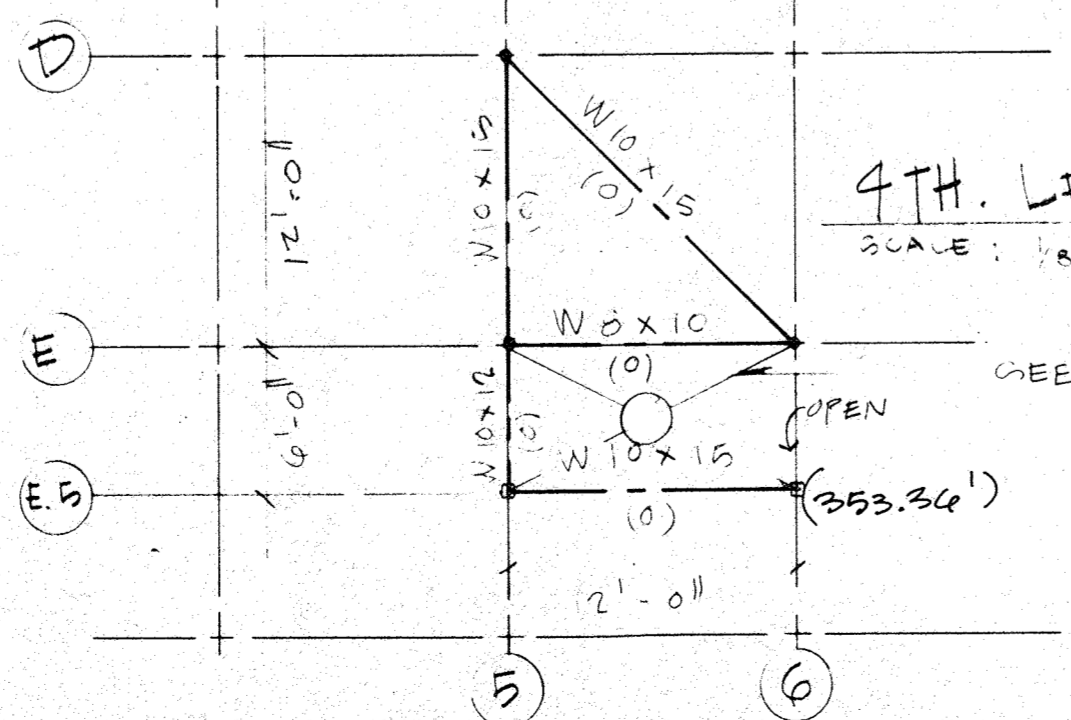
- Elevation top of steel beams indicated on plan thus: (+0") shall be measured from elevation 358.31.
- Structural steel beams shall conform to ASTM A36.
- Structural steel tube columns shall conform to ASTM-A500, Grade A. (Fy=39ksi).
- Structural steel pipe columns shall conform to ASTM-A501. (Fy=36ksi).
- Structural roof shall be 5/8" plywood over wood joists. Structural wood joists shall be No. 2 southern pine with a maximum water content MC=19% and a minimum bending stress Fb=1200 psi.
- Where wood joists frame into wood beams use 18 gauge standard joist hangers and 10d nails.

**NOTES LEVEL 4**

- Elevation top of steel beams indicated on plan thus: (+0") shall be measured from elevation 358.31.
- Structural steel beams shall conform to ASTM A-36.
- Structural steel tube columns shall conform to ASTM-A500, grade A (Fy=39 ksi).
- Structural steel pipe columns shall conform to ASTM-A501 (Fy=36 ksi).

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

**4TH LEVEL PLAN**  
SCALE: 1/8" = 1'-0"

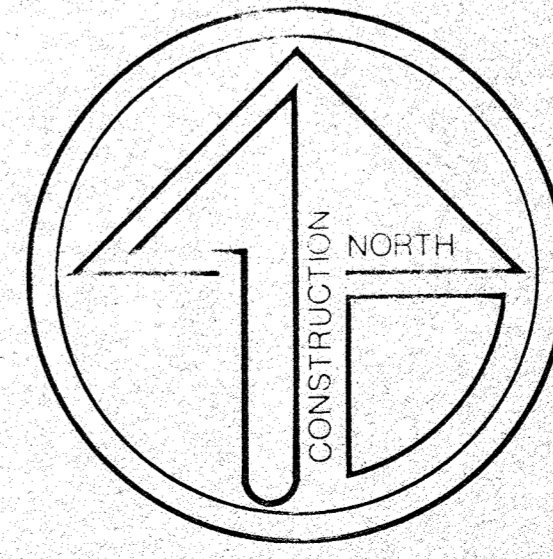


APPROVED: For Public Water and Storm Drainage Systems and Roads  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR  
DATE: 6-27-85

APPROVED: For Public Sewerage Systems  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER  
DATE: 8-13-86

APPROVED: Howard County Office of Planning and Zoning  
PLANNING DIRECTOR  
DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
DATE



**LD R LAND DESIGN/RESEARCH, INC.**  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND

**RECREATION BUILDING**  
4TH LEVEL & ROOF FRAMING  
**CENTENNIAL PARK**  
PHASE 3 SOUTH DAM AREA

DATE	6-19-85	REVISIONS:	
SCALE	AS SHOWN		
DRAWN	M J B		
CHECKED	11-1-84		

SHEET NO. **S4**  
OF 38

GENERAL NOTES

**CONTROLLED FILL AND BACKFILL:** SAMPLES OF ALL MATERIALS THAT THE CONTRACTOR PROPOSES TO USE FOR COMPACTED FILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND STRUCTURAL ENGINEER. COMPACTED FILL SHALL CONSIST OF LOCAL MATERIAL FREE OF DELETERIOUS MATTER AND CLASSIFIED CL, SC, GC, GM, OR SW PER ASTM D-2487. THE CONTROL OF THE MOISTURE FOR PLACING THE FILL WILL BE BASED ON THE RESULTS OF COMPACTION TESTS PER ASTM D-1557. ALL COMPACTED FILL SHALL HAVE A DENSITY OF AT LEAST 95% FOR COHESIONLESS SOILS AND 90% FOR COHESIVE SOILS OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557. PRIOR TO PLACEMENT OF ANY FILLS, THE SITE SHALL BE STRIPPED OF ALL TOPSOIL, VEGETATION, ROCKS, AND ORGANIC MATERIALS AND THE EXPOSED SUBGRADE SHALL BE COMPACTED IN PLACE TO A CONFIRMED DENSITY OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8" IN THICKNESS AND SHALL BE MIXED, SPREAD AND PLACED IN SUCH A WAY AS TO PRODUCE A UNIFORM THICKNESS OF MATERIAL AFTER PLACING. EACH LAYER OF FILL SHALL BE COMPACTED WITH A MINIMUM OF 6 COMPLETE PASSES ON ALL PORTIONS OF THE SURFACE OF EACH LIFT OF FILL BY RUBBER-TIRED ROLLERS, SHEEPS-FOOT ROLLERS OR OTHER MECHANICAL EQUIPMENT APPROVED BY THE GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER. COMPACTED FILL PLACED WITHIN 4 FEET OF STRUCTURES AND PIPES SHOULD BE PLACED IN HORIZONTAL LIFTS NOT TO EXCEED 4 INCHES THICKNESS AND COMPACTED WITH HAND TAMPERS OR LIGHT COMPACTION EQUIPMENT TO THE SAME STANDARD. HEAVY COMPACTION EQUIPMENT SHOULD NOT BE ALLOWED WITHIN 4 FEET OF STRUCTURES UNLESS A MINIMUM 2 FEET DEPTH OF FILL COVERS THE STRUCTURES. WHENEVER IN PLACE DENSITIES ARE FOUND BELOW ACCEPTABLE LIMITS, ADDITIONAL ROLLING TO PRODUCE THE SPECIFIED DENSITIES SHALL BE REQUIRED. THE CONTRACTOR SHALL TAKE ALL MEASURES REQUIRED TO PROVIDE FOR FREE DRAINAGE OF THE SITE AND TO PREVENT PONDING OF WATER. SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. PLACING OF FILL CONTAINING ORGANIC MATTER; PLACING OF FILL WITH MOISTURE CONTENT TOO HIGH OR TOO LOW FOR PROPER COMPACTION; PLACING OF FILL WHEN FREE WATER IS STANDING ON THE EXISTING FILL SURFACE; PLACING OF FILL IN A FROZEN CONDITION OR ON TOP OF FROZEN MATTER WILL NOT BE PERMITTED. THE SOILS ENGINEER SHALL SUPERVISE THE PLACING OF THE COMPACTED FILL AND ALL THE MATERIAL AND EQUIPMENT USED FOR THIS PURPOSE AND SHALL MAKE SUCH SOILS TESTS AS MAY BE REQUIRED FOR THE COMPLETION OF THE WORK PERFORMING AT LEAST 6 IN PLACE DENSITY TESTS DURING EACH EIGHT HOUR SHIFT.

**FOUNDATIONS-SPREAD FOOTINGS:** BOTTOM OF ALL FOOTINGS SHALL BE A MINIMUM OF 2'-0" BELOW ORIGINAL GRADE. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 2'-6" BELOW FINISHED GRADE. A SOIL BEARING CAPACITY OF 2000 PSF WAS USED IN THE FOUNDATION DESIGN. IF SOIL OF THIS BEARING CAPACITY IS NOT ENCOUNTERED AT THE ELEVATIONS INDICATED ON THE CONTRACT DRAWINGS, FOOTINGS SHALL BE LOWERED OR INCREASED IN SIZE AS DIRECTED BY THE STRUCTURAL ENGINEER. ELEVATIONS SHOWN ON PLAN ARE TO THE BOTTOM OF THE FOOTINGS.

**CONCRETE:** ALL CONCRETE WORK SHALL CONFORM TO ALL THE PROVISIONS OF THE "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301-R75) AND TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-83). ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. ALL CONCRETE EXPOSED TO THE WEATHER SHALL HAVE AN AIR ENTRAINMENT OF 5% ± 1%. NO ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL BE PERMITTED. THE MAXIMUM SLUMP OF ALL CONCRETE SHALL BE 4". FLOOR SLABS SHALL BE FINISHED TO A CLASS "A" TOLERANCE; THAT IS HAVING A MAXIMUM AMPLITUDE OF 1/8" IN 10 FEET IN ANY DIRECTION. CONTRACTOR SHALL SUPPORT ADJACENT STRUCTURES, UTILITIES, AND EXCAVATIONS AS REQUIRED FOR COMPLETION OF WORK.

**REINFORCING STEEL:** REINFORCING STEEL SHALL BE DEFORMED BARS IN ACCORDANCE WITH ASTM A-615, GRADE 60, EXCEPT STIRRUPS AND TIES SHALL BE GRADE 40. BENDS ARE TO BE FABRICATED AS PER DETAILS. PLACE MAIN REINFORCING STEEL SO AS TO PROVIDE 3" MINIMUM COVER FOR FOUNDATIONS POURED ON EARTH, 2" MINIMUM COVER FOR BEAMS AND COLUMNS AND 3/4" MINIMUM COVER FOR SLABS (EXCEPT AS OTHERWISE DETAILED). ALL BEAM AND SLAB STEEL SHALL HAVE A MINIMUM EXTENSION INTO THE SUPPORTS IN ACCORDANCE WITH THE LATEST ADDITION OF THE ACI CODE, PROVIDE ACCESSORIES AND BAR SUPPORTS IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315-80). WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185, GRADE 60. UNLESS OTHERWISE NOTED, WWF REINFORCING SHALL BE PLACED AT MID-DEPTH OF SLABS ON GRADE AND DRAPED OVER SUPPORTS IN CONCRETE SLABS ON CENTERING. END LAPS OF ALL WWF REINFORCING SHALL BE LAPPED 8" MINIMUM.

**STRUCTURAL STEEL:** STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36. STRUCTURAL STEEL TUBULAR SHAPES SHALL CONFORM TO ASTM A-500, GRADE B (FY=46KSI) AND STRUCTURAL STEEL PIPE SHAPES SHALL CONFORM TO ASTM A-53, TYPE E OR S, GRADE B (FY=35KSI). ANCHOR BOLTS AND BOLTS USED IN TEMPORARY ERECTION CONNECTIONS WITH STRUCTURAL STEEL SHALL CONFORM TO ASTM A-307-61T. HIGH STRENGTH BOLTS USED IN PERMANENT FRICTION OR BEARING TYPE CONNECTIONS WITH STRUCTURAL STEEL SHALL CONFORM TO ASTM A-325. WELDS SHALL CONFORM TO ALL THE PROVISIONS OF THE STRUCTURAL WELDING CODE, AWS D1.1-77 OF THE AMERICAN WELDING SOCIETY EXCEPT SECTIONS 2.3, 2.4, 2.5, 8.13.1.2 AND 9. NO OPENINGS IN BEAMS OTHER THAN SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. USE ONE OF THE FOLLOWING SHOP PAINTS: NO. 769 RED PRIMER MANUFACTURED BY RUST-OLEUM CORPORATION; NO. 99 RED PRIMER MANUFACTURED BY TMECC COMPANY AND WETALL PRIMER MANUFACTURED BY FARBOIL COMPANY. PROVIDE SHOP AND FIELD INSPECTION OF ALL STRUCTURAL STEEL BY A TESTING LABORATORY APPROVED BY THE STRUCTURAL ENGINEER.

**STRUCTURAL LUMBER:** STRUCTURAL WOOD JOISTS AND LINTELS SHALL BE NO. 2 DENSE SOUTHERN PINE WITH A MAXIMUM WATER CONTENT OF 19% AND THE FOLLOWING MINIMUM PROPERTIES:

Fb = 1650 PSI	Fc = 475 PSI
Ft = 725 PSI	Fc = 1,200 PSI
Fv = 90 PSI	E = 1,600,000 PSI

STRUCTURAL WOOD STUDS SHALL BE NO. 2 HEM-FIR WITH A MAXIMUM WATER CONTENT OF 19% AND THE FOLLOWING MINIMUM PROPERTIES:

Fb = 1300 PSI	Fc = 245 PSI
Ft = 675 PSI	Fc = 800 PSI
Fv = 75 PSI	E = 1,400,000 PSI

STRUCTURAL ROOF SHEATHING SHALL BE 5/8" C-D GRADE EXTERIOR PLYWOOD. WHERE WOOD JOISTS FRAME INTO BEAMS, USE 16 GAUGE STANDARD JOIST HANGERS AND 10d NAILS. WHERE PLYWOOD SHEATHING IS USED IN A SHEAR WALL, ALL EXTERIOR EDGES SHALL BE NAILED USING 8d NAILS AT 8" ON CENTER AND ALL INTERNAL STUDS SHALL BE NAILED USING 8d NAILS AT 8" ON CENTER. ALL LUMBER, BLOCKING, FURRING AND OTHER WOOD PERMANENTLY EXPOSED TO THE WEATHER SHALL BE PRESSURE TREATED WITH WATER-BORNE PRESERVATIVES IN ACCORDANCE WITH THE AMERICAN WOOD PRESERVERS' INSTITUTE STANDARD LP-2. LUMBER SHALL BE KILN-DRIED TO 15% MOISTURE CONTENT AFTER TREATMENT. COAT ALL CUT SURFACES OF TREATED LUMBER WITH AN APPROVED PRESERVATIVE. ALL CONNECTIONS INCLUDING PLATES, DOWELS, BOLTS AND NAILS PERMANENTLY EXPOSED TO THE WEATHER SHALL BE GALVANIZED.

NOTES:

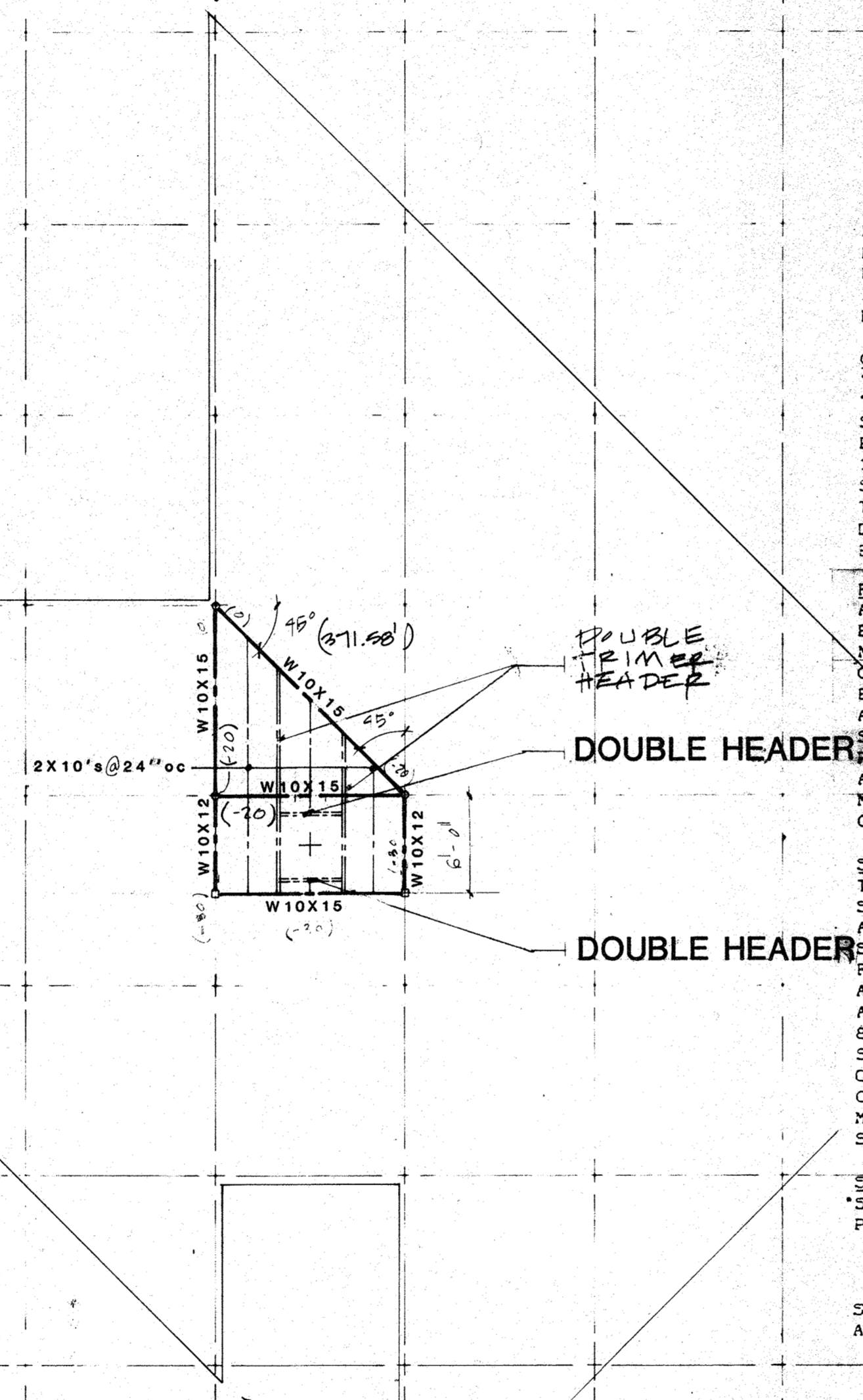
- Elevation top of steel beams indicated on plan thus: (+0') shall be measured from elevation 371.58.
- Structural steel beams shall conform to ASTM A-36.
- Structural steel tube columns shall conform to ASTM-A500, grade A (Fy=39 ksi).
- Structural steel pipe columns shall conform to ASTM-A501 (Fy=36 ksi).
- Structural roof shall be 5/8" plywood over wood joists. Structural wood joists shall be No. 2 southern pine with a maximum water content MC=19% and a minimum bending stress Fb=1200 psi.
- Where wood joists frame into wood beams use 18 gauge standard joist hangers and 10d nails.

**MASONRY:** SOLID MASONRY SHALL BE GRADE NI IN ACCORDANCE WITH ASTM C-145 AND SHALL BE 75% SOLID UNLESS OTHERWISE NOTED. HOLLOW MASONRY UNITS SHALL BE GRADE NI CONFORMING TO ASTM C-90. MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI BASED ON THE NET CROSS SECTIONAL AREA OF THE INDIVIDUAL BLOCK UNITS. ALL MORTAR SHALL BE TYPE "S" CONFORMING TO ASTM C-270 WITH MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS. PROVIDE A MINIMUM OF 3 COURSES OF SOLID BRICK OR ONE COURSE OF 100% SOLID BLOCK UNDER WALL BEARING ENDS OF ALL JOISTS AND SLABS. THE FULL WIDTH OF THE WALL, UNLESS NOTED, PROVIDE HORIZONTAL MASONRY REINFORCING (DUR-O-WALL OR EQUAL) AT 16" O.C. IN ALL MASONRY WALLS UNLESS NOTED. ALL MORTAR JOINTS IN MASONRY WALLS (HORIZONTAL AND VERTICAL) SHALL BE FILLED 100% WITH MORTAR. USE BUCKETS TO MEASURE MATERIALS FOR MIXING MORTAR.

**SHOP DRAWINGS:** SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED BY GENERAL CONTRACTOR AND REVIEWED BY THE ENGINEER. IF A CONTRACTOR OR OWNER FAILS TO SUBMIT THE SHOP DRAWINGS, THE FIRM MORABITO CONSULTANTS, INC. WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL CERTIFICATION AND DESIGN OF THE PROJECT. SHOP DRAWINGS ARE REVIEWED BY THE ENGINEER AS A CONVENIENCE TO THE CONTRACTOR AND ARE NOT A CONTRACT DOCUMENT.

**INSPECTION:** ALL WORK SPECIFIED HEREIN SHALL BE INSPECTED IN ACCORDANCE WITH THE BUILDING CODE AND ALL LOCAL ORDINANCES. THE OWNER OR CONTRACTOR SHALL HIRE AN EXPERIENCED QUALIFIED INSPECTOR TO PERFORM ALL REQUIRED INSPECTION WORK. THE ENGINEER WILL NOT PERFORM THE REQUIRED INSPECTION AS PART OF HIS DESIGN SERVICE. THE ENGINEER MAY VISIT THE SITE TO ASCERTAIN GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS AND SUCH VISITS ARE NOT TO BE CONSTRUED AS MEETING INSPECTION REQUIREMENTS UNLESS THE ENGINEER SPECIFICALLY SO STATES IN WRITING.

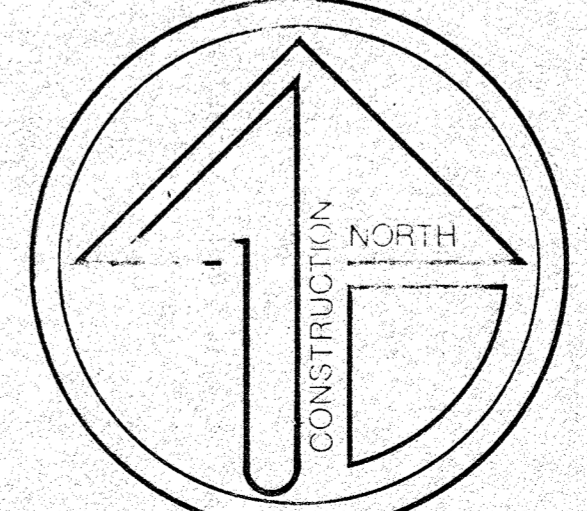
<b>DESIGN DATA:</b>	<b>LIVE LOADS:</b>
f'c=3000 PSI	FLOORS: 100 PSF
f'y=60,000 PSI/40,000 PSI	ROOF: 30 PSF
f'y=36,000 PSI/46,000 PSI	WIND: 15 PSF



APPROVED: For Public Water and Storm Drainage Systems and Roads  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_  
 CHIEF, BUREAU OF ENGINEERING \_\_\_\_\_ DATE 6-27-85

APPROVED: For Public Sewerage Systems  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER \_\_\_\_\_ DATE 8-13-85

APPROVED: Howard County Office of Planning and Zoning  
 PLANNING DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION \_\_\_\_\_ DATE \_\_\_\_\_



**LD R LAND DESIGN / RESEARCH, INC.**  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND  
**RECREATION BUILDING**  
 ROOF & 5TH LEVEL FRAMING  
**CENTENNIAL PARK**  
 PHASE 3 SOUTH DAM AREA

DATE	6-17-85	REVISIONS:	SHEET NO.
SCALE	1/8" = 1'-0"		<b>S5</b>
DRAWN	M. J. B.		OF 38
CHECKED	11-1-84		

