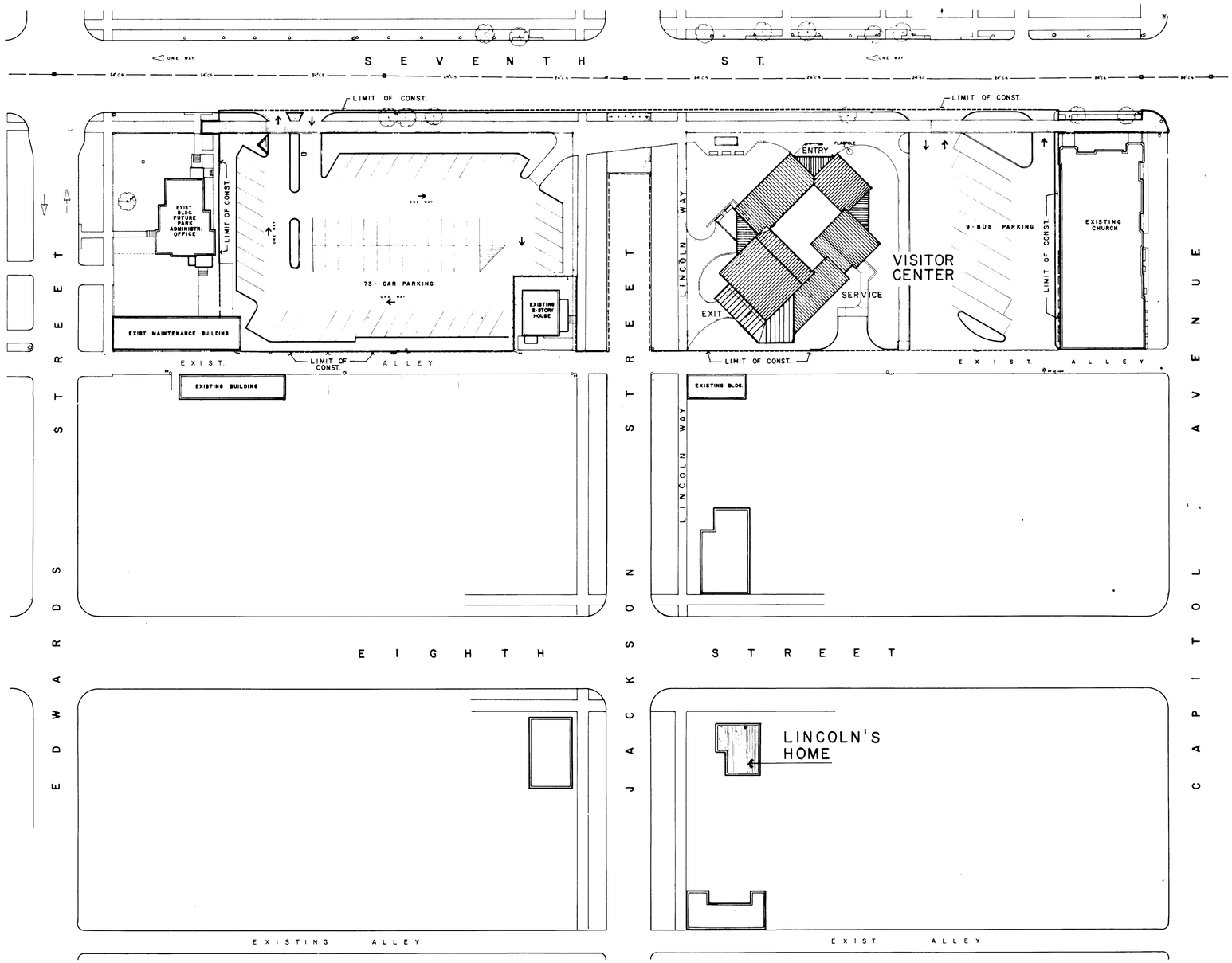


SITE PLAN

PROJECT NO. 6530-5612

CONSTRUCTION DRAWING

NATIONAL PARK SERVICE
Department of the Interior

SHEET INDEX

1		TITLE SHEET AND SITE PLAN
2	C-1	SITE PLAN
3	C-2	SITE PLAN
4	C-3	DETAIL SHEET
5	LA-1	SOUTH PARKING LOT
6	LA-2	NORTH PARKING LOT AND BUILDING SITE
7	LA-3	LANDSCAPE SOUTH PARKING LOT
8	LA-4	LANDSCAPE BUILDING SITE
9	LA-5	LANDSCAPE DETAILS
10	A-1	FLOOR PLAN
11	A-2	ROOF PLAN
12	A-3	ELEVATIONS
13	A-4	ELEVATIONS
14	A-5	BUILDING SECTIONS
15	A-6	BUILDING SECTIONS
16	A-7	WALL SECTIONS
17	A-8	WALL SECTIONS
18	A-9	ROOM FINISH AND DOOR SCHEDULES
19	A-10	INTERIOR ELEVATIONS
20	A-11	INTERIOR ELEVATIONS
21	A-12	REFLECTED CEILING
22	A-13	TICKET COLLECTION BOOTH
23	S-1	FOUNDATION PLAN
24	S-2	FOUNDATION DETAILS
25	S-3	STEEL FRAMING PLAN AND DETAILS
26	S-4	ROOF FRAMING PLAN AND DETAILS
27	S-5	MISCELLANEOUS DETAILS
28	S-6	TICKET COLLECTION BOOTH
29	U-1	UTILITY PLAN
30	U-2	UTILITY PLAN
31	P-1	PLUMBING FLOOR PLAN AND LEGEND
32	P-2	PLUMBING SCHEMATIC AND DETAILS
33	M-1	MECHANICAL FLOOR PLAN AND DETAILS
34	M-2	MECHANICAL DETAILS AND LEGEND
35	M-3	MECHANICAL DETAILS AND SCHEDULES
36	E-1	SYMBOLS AND FIXTURE SCHEDULE
37	E-2	RISER DIAGRAMS AND SCHEDULES
38	E-3	MISCELLANEOUS RISERS
39	E-4	ELECTRICAL FLOOR PLAN POWER
40	E-5	ELECTRICAL FLOOR PLAN LIGHTING

VICINITY MAP
SCALE

FERRY AND HENDERSON · ARCHITECTS INC.
1320 South State Springfield Illinois

RALPH HAHN AND ASSOCIATES
CIVIL STRUCTURAL MECHANICAL AND ELECTRICAL ENGINEERS
DAVIDSON AND FALK
LANDSCAPE ARCHITECTS

This drawing has been prepared in compliance with Preliminary Design Drawing No. 449/41,001

Approved by ROBERT T. GILES
REGIONAL DIRECTOR on 3/20/75
(Acting) Title Date
DONALD F. BENSON 3/19/75
(Acting) Director DSC Date

Code	REVISION	Date	Initial
A	CHANGED PRELIMINARY TO CONST.	7/75	H.W.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
DENVER SERVICE CENTER

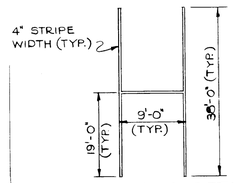
PREPARED
DESIGNED
DRAWN
CHECKED
DATE

TITLE OF DRAWING
VISITOR CENTER
LOCATION WITHIN PARK
GENERAL
NAME OF PARK
LINCOLN HOME NATIONAL HISTORIC SITE
MIDWEST REGION | SANGAMON COUNTY | ILLINOIS STATE

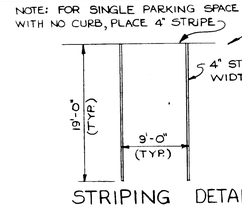
DRAWING NO. 449 41,001A
PCTP PKG.
SHEET 1 OF 40

LEGEND

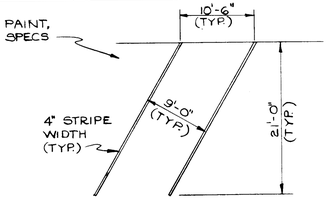
- STREET LIGHT
- INLET
- TREE - SIZE & TYPE
- MATCH LINE BETWEEN SHEETS
- PROPERTY LINE
- EXISTING STRUCTURE
- SOIL BORING LOCATION (SEE SHEET U-2 FOR SOIL DATA)
- AUGER SOIL BORING (SEE SHEET U-2 FOR SOIL DATA)
- LIMITS OF CONSTRUCTION



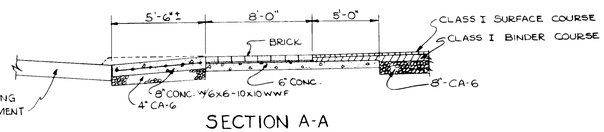
STRIPING DETAIL
DOUBLE 90°-TYP.



STRIPING DETAIL
90°-TYP.

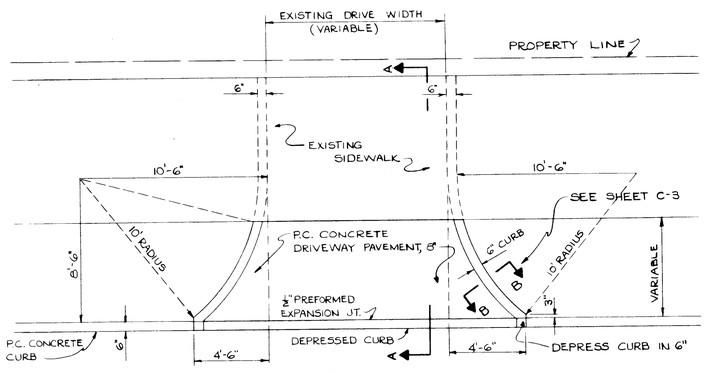


STRIPING DETAIL
60°-TYP.



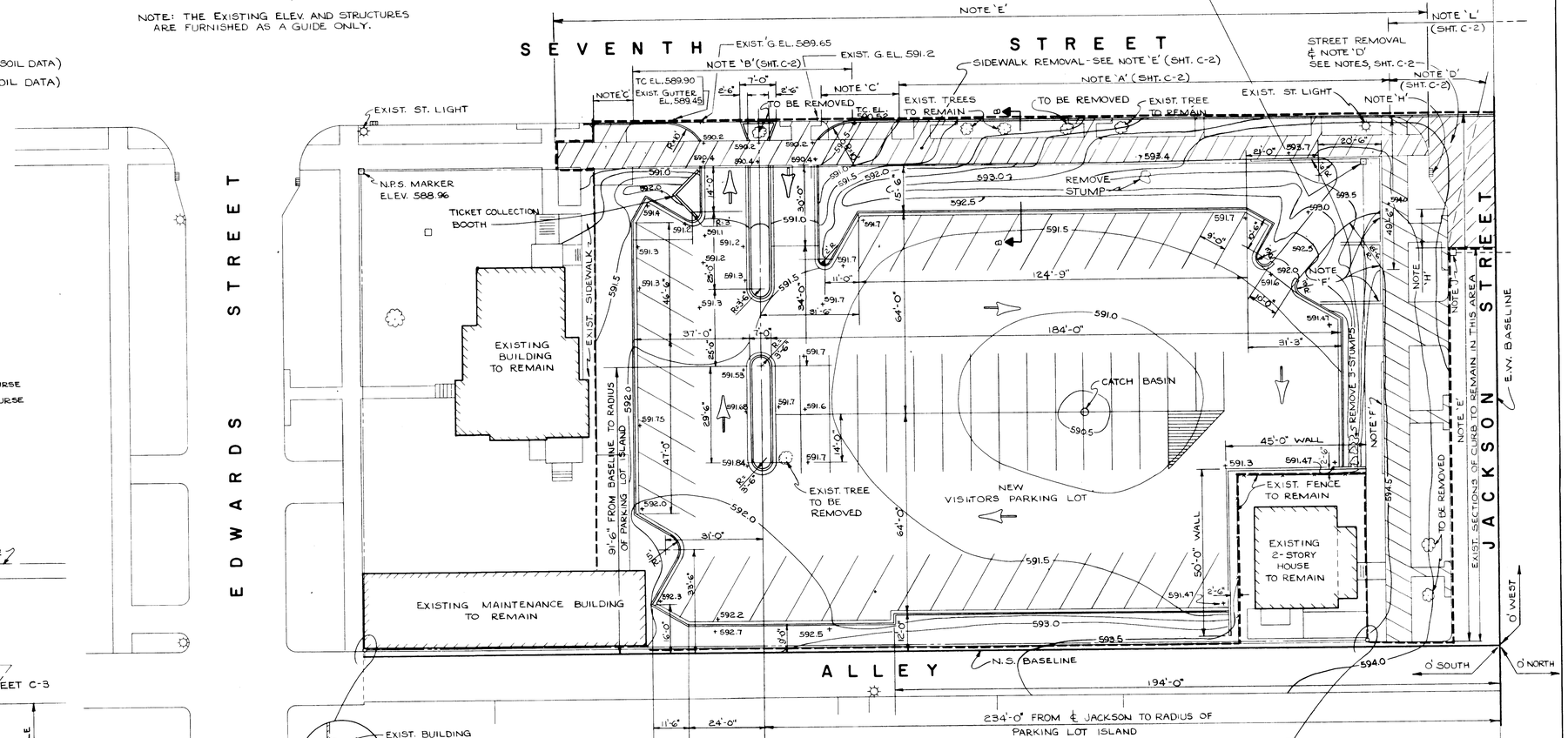
SECTION A-A

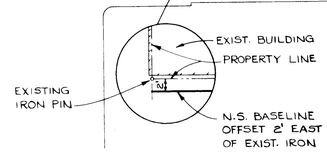
NOTE: SEE SHT C-3 (MAIN & BUS PARKING LOTS) FOR SECTION B-B

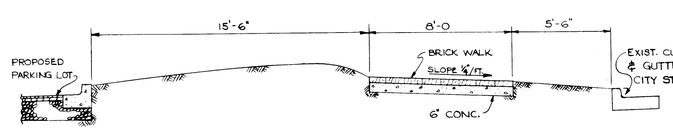


PLAN
TYP. DETAIL OF P.C. CONCRETE ENTRANCE

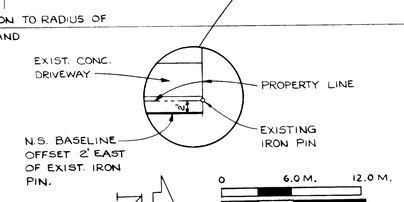
NOTE: THE EXISTING ELEV. AND STRUCTURES ARE FURNISHED AS A GUIDE ONLY.







SECTION B-B
(THIS SHEET)

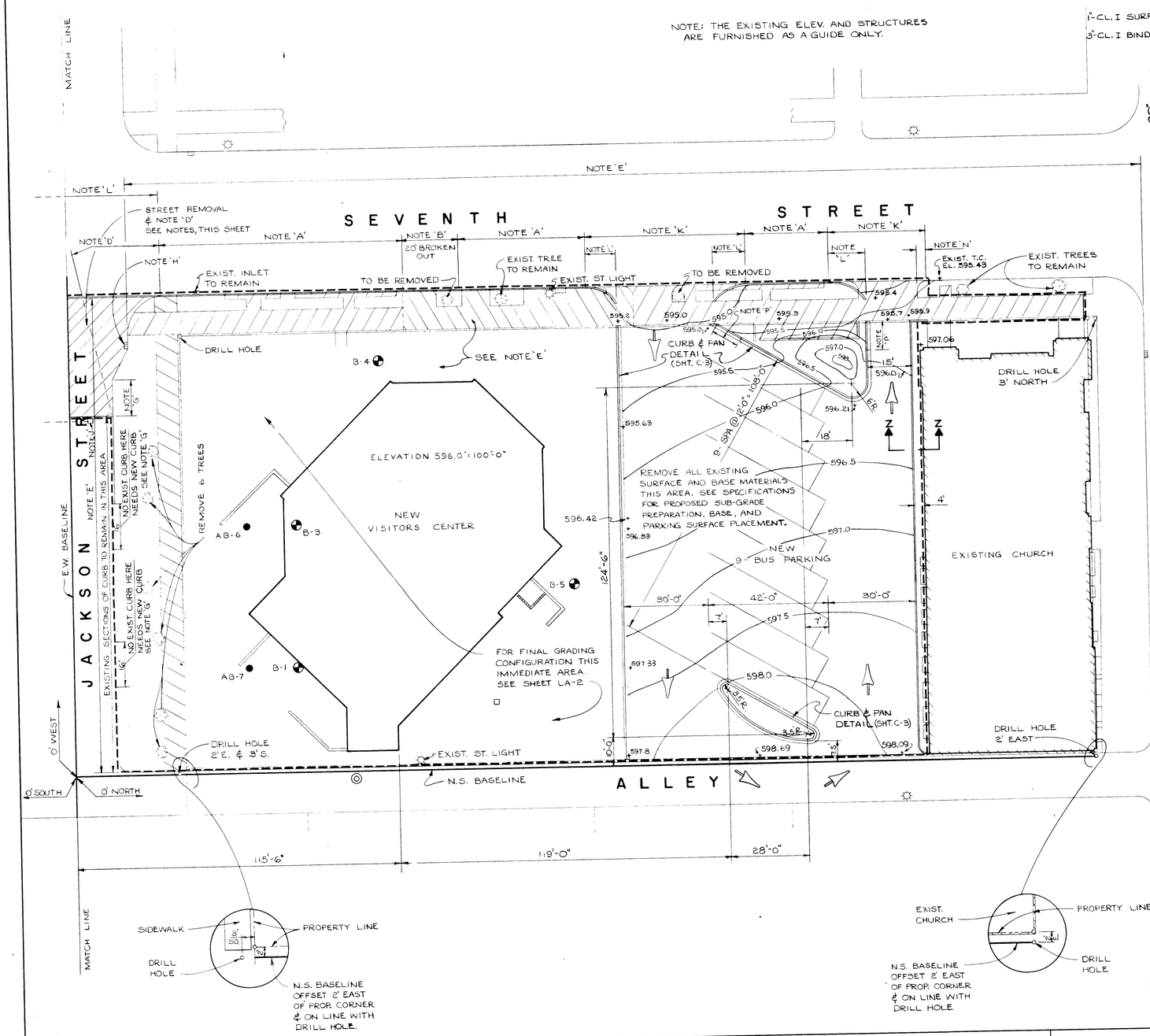


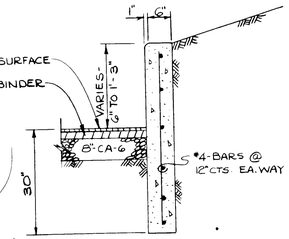
0 6.0 M. 12.0 M.
0 20 FT. 40 FT.

SCALE: 1" = 20'
CONVERSION TO METRIC
1 FT = 0.3048 METERS

C-1 SITE PLAN

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET
	2 OF 40



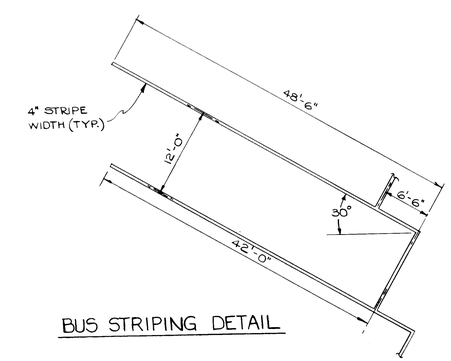


SECTION Z-Z

(THIS SHEET)

GENERAL NOTES

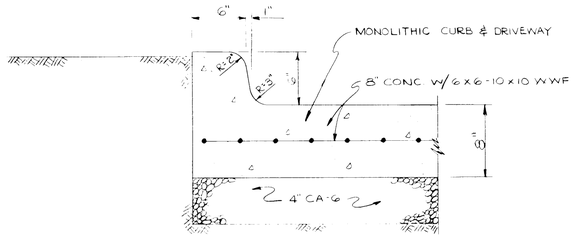
1. NOTE 'A': THE EXISTING CURBS IN THIS AREA ARE TO REMAIN IN PLACE.
2. NOTE 'B': THE EXISTING CURBS IN THIS AREA ARE TO BE REMOVED AND REPLACED PER THE CURB REPAIR DETAIL ON SHEET C-3. THE CURB IS TO BE SAWN FROM THE EXISTING CURB FLAG, DOWELS ARE TO BE DRILLED AND GROUTED INTO THE FLAG OR PAN, AND NEW CURB SHALL BE POURED TO THE CONFIGURATION REFERENCED ON THE PLANS.
3. NOTE 'C' THE WORK HERE IS THE SAME AS NOTE 'B' WITH THE EXCEPTION THAT THE CURB SECTION BEING REMOVED IS A DEPRESSED CURB SECTION IN AN EXISTING ENTRANCE THAT IS TO BE REMOVED.
4. NOTE 'D' THE CURB AND CURB PAN IN THIS AREA IS TO BE REMOVED ENTIRELY WITHIN THESE LIMITS.
5. NOTE 'E' 8' WIDE SIDEWALKS AND INCIDENTAL CONSTRUCTION AS CROSS HATCHED ARE TO BE REMOVED. SEE SHEET LA-1 FOR PROPOSED ELEVATIONS AT NEW VISITOR CENTER
6. NOTE 'F' THE EXISTING ROLLED CURBS AND OLD BRICK & CONCRETE FOUNDATIONS ARE TO BE REMOVED.
7. NOTE 'G' REMOVE AND REPLACE EXISTING SLATE CURBING AND RE-USE IN THE IMMEDIATE AREA AS NEEDED. WHEN RUN OUT OF EXISTING SLATE CURB, POUR IN PLACE NEW CONCRETE SECTIONS TO RESEMBLE OLD SECTIONS IN CONFIGURATION AND COLOR.
8. NOTE 'H' REMOVE AND PLUG EXISTING CITY INLET.
9. NOTE 'J' AFTER INLET AND CONCRETE PIPE ARE INSTALLED THE JACKSON STREET SURFACE IS TO BE RESTORED TO LINES AND GRADES EXISTING OR AS SPECIFIED BY LA SHEETS PER EXCAVATING AND BACKFILLING SPECIFICATIONS OR TRENCH DETAILS SHEET C-3.
10. NOTE 'K' THE EXISTING CONCRETE ENTRANCE AND CURBS FOR THE BUS PARKING AREA ARE TO BE REMOVED WITHIN THESE LIMITS AND RECONSTRUCTED AS DETAILED ON SHEET C-1 (ENTRANCE DETAIL)
11. NOTE 'L' THE NEW CONCRETE CURBS FOR THIS AREA ARE TO BE CONSTRUCTED AS DETAILED ON SHEET C-3 (SECTION B-B)
12. NOTE 'M' FOR EMBANKMENT CONFIGURATION - SEE SHEET LA-5.
13. NOTE 'N' WHEN THE WORK OF NOTE 'K' IS PERFORMED THE ENTRANCE REMOVAL WILL INCLUDE THIS SECTION OF EXISTING CONCRETE CURB. DISREGARD THE PROPOSED ENTRANCE DETAIL TYPICAL CURB RADIUS AT THIS LOCATION. RETURN CURB TO ORIGINAL CONFIGURATION AND RADIUS.
14. NOTE 'P' TRANSITION CURB HEIGHT FROM FLUSH WITH PAN AND SIDEWALK AT NEW SIDEWALK TO 6" @ 10 FEET FROM NEW SIDEWALK.



BUS STRIPING DETAIL

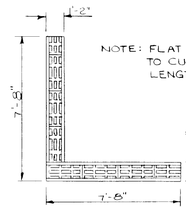
C-2 SITE PLAN

DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET 3 OF 40



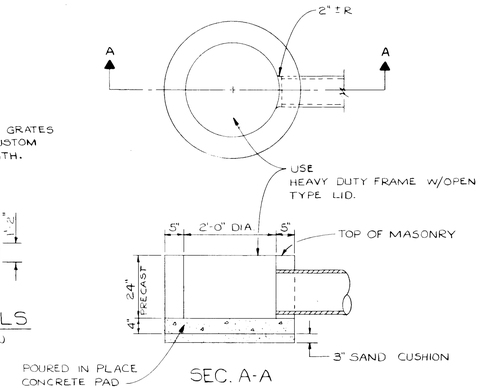
SECTION B-B

(FROM DETAIL OF PC CONCRETE ENTRANCE DETAIL, SHT. C-1)



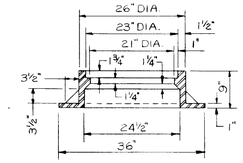
GRATE DETAILS

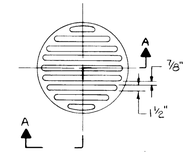
TYPE 'A' DRAIN



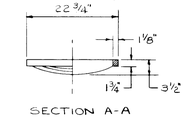
SEC. A-A

STANDARD INLET





SLOTTED GRATE

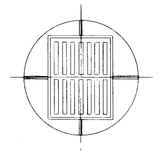


SECTION A-A

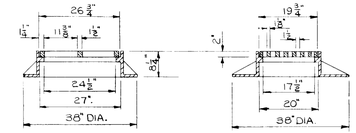
FRAME & GRATE

FOR PARKING LOT

(HEAVY DUTY)

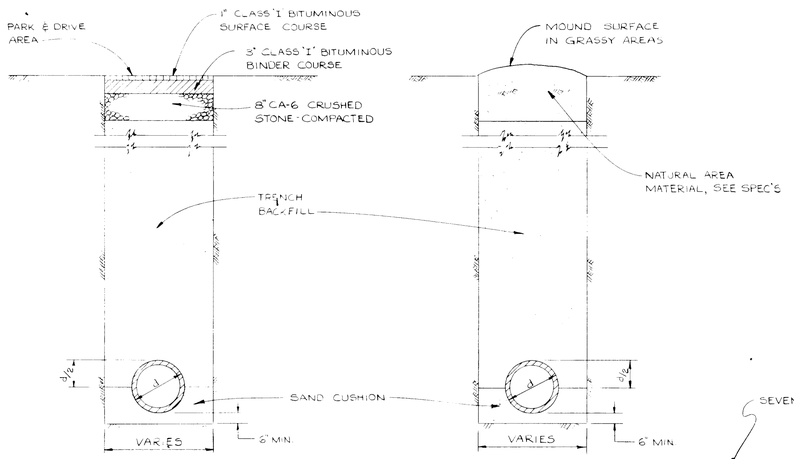


SLOTTED GRATE

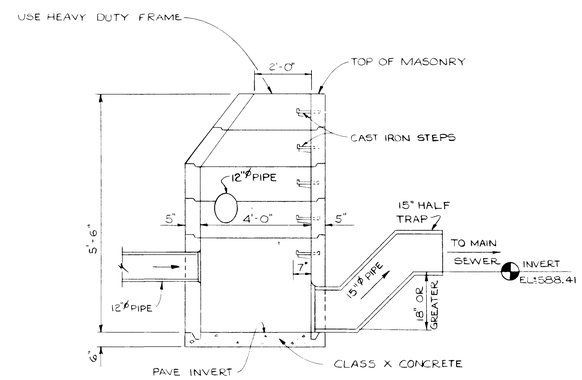


FRAME & GRATE

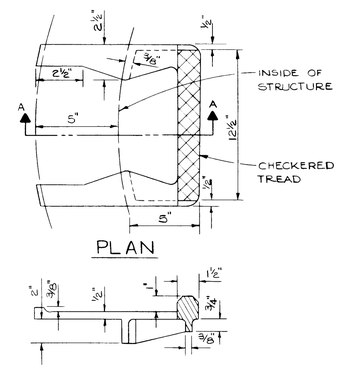
AT JACKSON ST.



TRENCH DETAIL



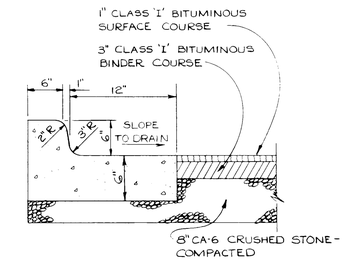
MANHOLE



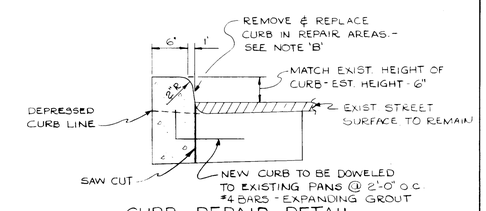
PLAN

SECTION A-A

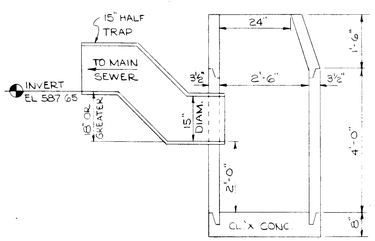
CAST IRON STEP DETAIL



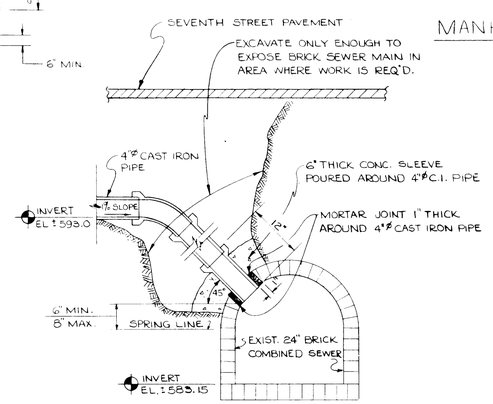
CURB & PAN DETAIL



CURB REPAIR DETAIL

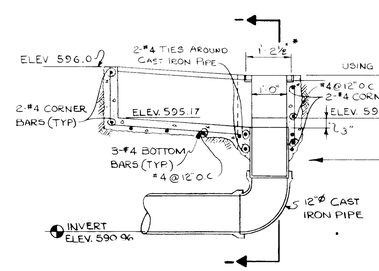


CATCH BASIN

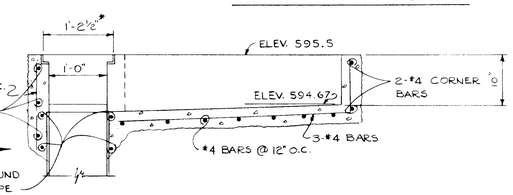


SERVICE CONNECTION DETAIL

NO SCALE FOR ABOVE DETAILS



DRAIN TYPE 'A'

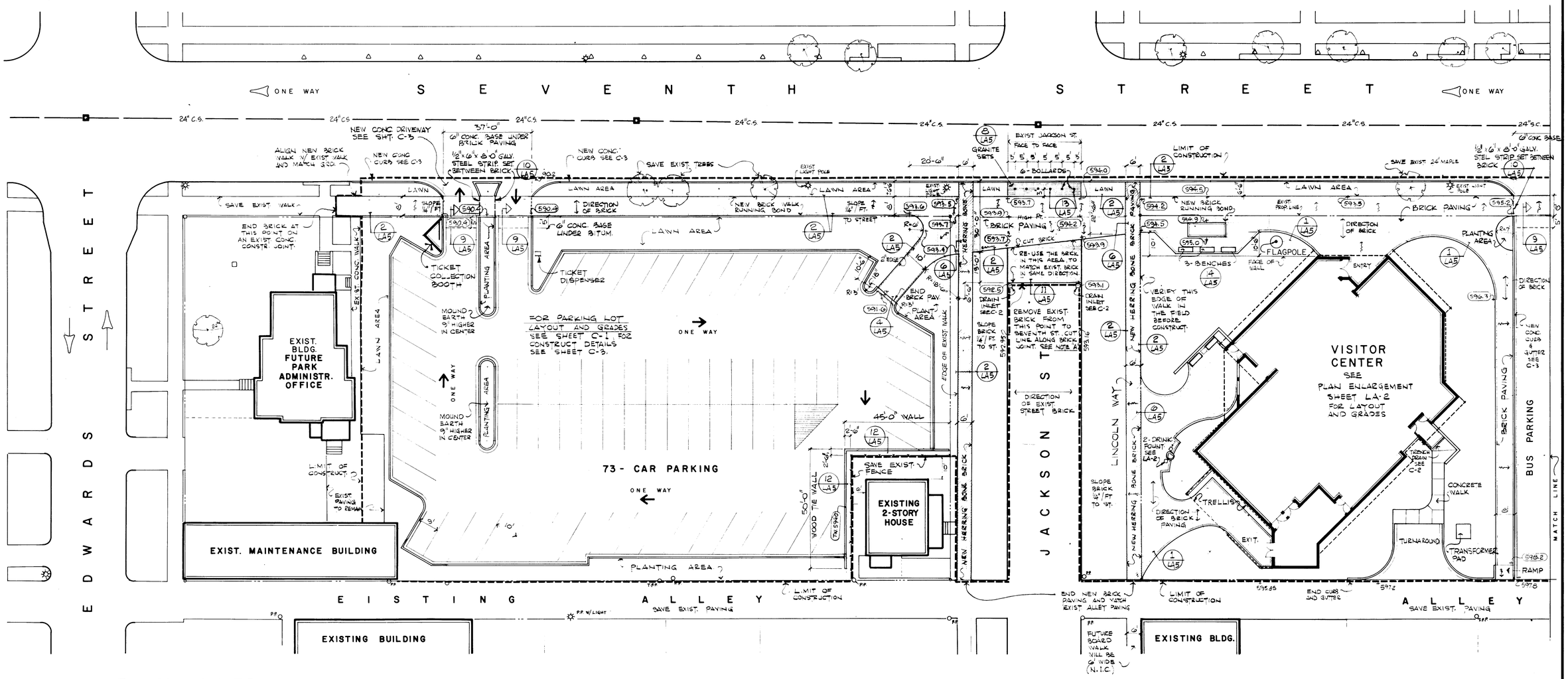


* COORDINATE WITH TRENCH DRAIN GRATE

SEC. 1-1

C-3 DETAIL SHEET

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET
	4
	OF 40



GENERAL NOTES

1.- ALL PLANTING AREAS AND LAWNS SHALL RECEIVE 6" OF TOPSOIL.
2.- TOPOGRAPHICAL SURVEY BY RAYNOLDS AND WALSHLEGER SITE ONE SPRINGFIELD ILL.
3.- FINISHED GRADES SHALL CONFORM TO AND BLEND IN SMOOTHLY W/ EXIST. & AND SHALL SLOPE UNIFORMLY BETWEEN SPOT ELEVATIONS.
4.- MAXIMUM SLOPE ON MOUNDS SHALL BE 3:1 IN LAWN AREAS AND 2:1 IN PLANTING AREAS.
5.- FOR PLANTING AREA EDGING SEE SHT. LA-3.
6.- SEE SHEETS C-1 AND C-2 FOR PARKING LAYOUT.
7.- BRICK WALKS SHALL SLOPE 1/4" FT. TO STREET OR AS OTHERWISE INDICATED BY SPOT ELEVATIONS, AND INSTALL BRICK W/ RUNNING BOND PATTERN IN DIRECT. INDICATED.

NOTE "A"- ALL BRICK REMOVED FROM JACKSON ST. SHALL BE SALVAGED AND STORED AS DIRECTED, AND RE-USED AS PER DETAIL 11 SHT. LA-5. THE BRICK DISTURBED BY CONCRETE PIPE INSTALLATION SHALL BE REPLACED TO MATCH EXIST. BRICK.

LEGEND

- RUNNING BOND BRICK DIRECT.
- HERRING BONE BRICK.
- (593.5) FINISHED SPOT ELEVATIONS.
- 590.2 EXISTING SPOT ELEVATIONS.
- (595) FINISHED CONTOURS.
- WATER FLOW DIRECTION.
- LIMIT OF CONSTRUCTION.
- BRICK EDGING.

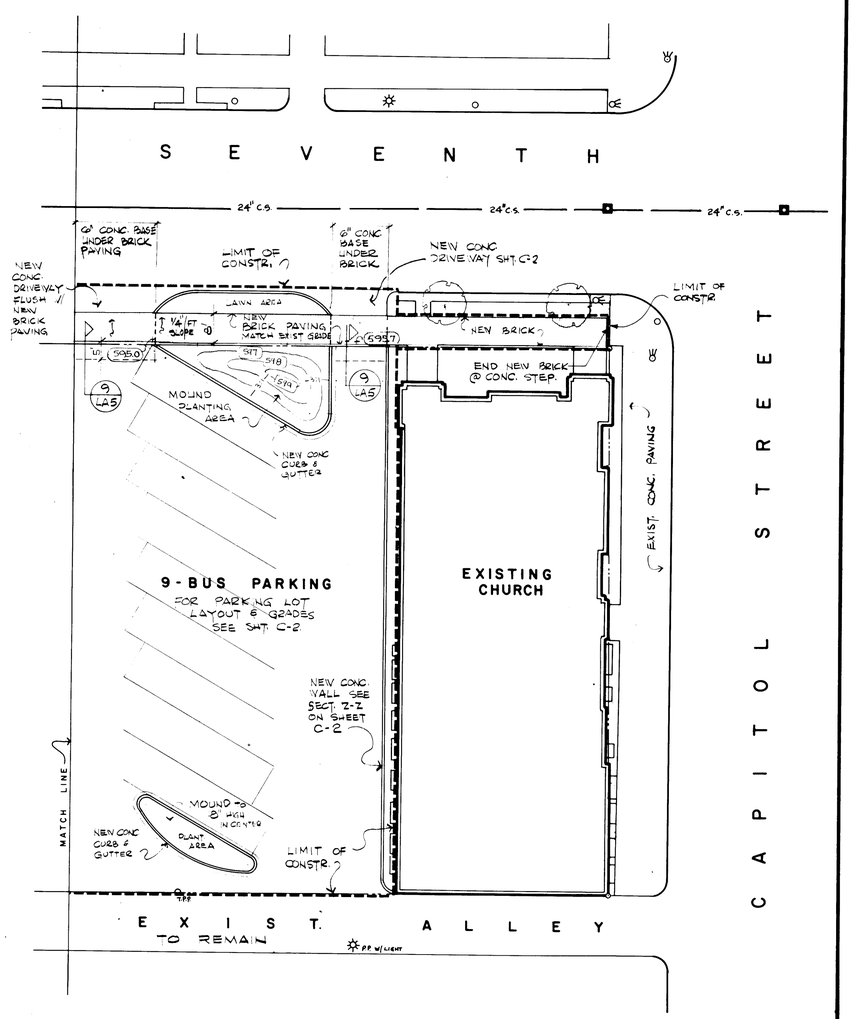
SITE PLAN

NORTH

0 6.096 M 12.192 M
0 20 FT. 40 FT.
SCALE 1" = 20'
CONVERSION TO METRIC
1 FT. = 0.3048 METERS

LA-1 SOUTH PARKING LOT

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET 5 OF 40

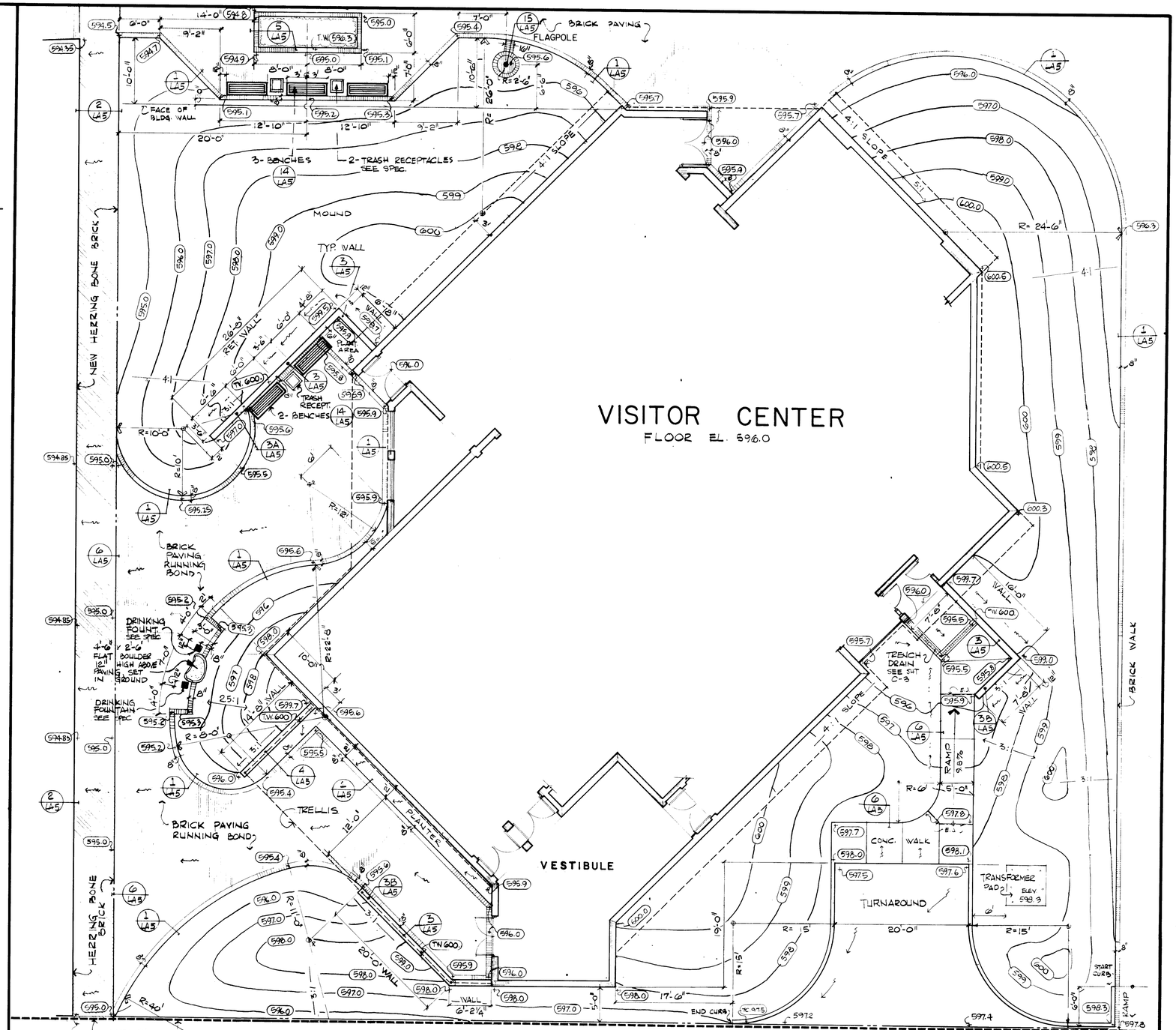


SITE PLAN
CONTINUED

NORTH

0 6.096 M 12.192 M
0 20 FT. 40 FT.

SCALE 1" = 20'
CONVERSION TO METRIC
1 FT. = 0.3048 METERS



PLAN ENLARGEMENT

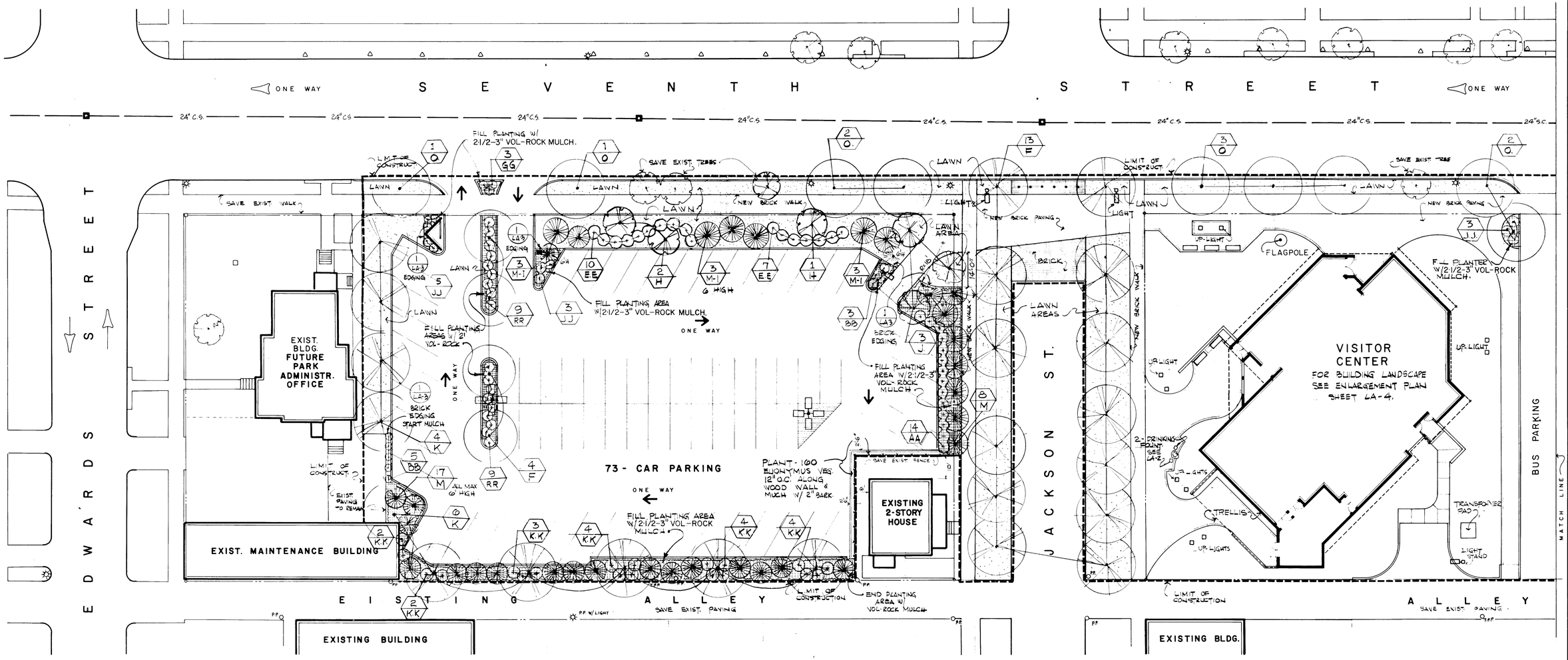
NORTH

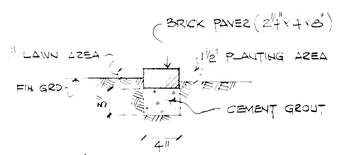
0 2.438 M 4.877 M
0 8 FT. 16 FT.

SCALE 1/8" = 1'-0"
CONVERSION TO METRIC
1 FT. = 0.3048 METERS

LA-2 NORTH PARKING LOT AND BUILDING SITE

DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET
	6
	OF 40





LANDSCAPE EDGING

SCALE ½" = 1'-0"

NOTE:
FOR RADIUS 5'-0" & LESS USE HALF BRICK.

SITE PLAN

LEGEND

- LAWN AREA (SOD)
- GROUND COVER W/ 2½" TO 3" BARK
- 2½" TO 3" VOL-ROCK MULCH
- (2/D) ← NUMBER OF PLANTS / ← VARIETY OF PLANT

NOTE:
PLANT LIST IS IN THE SPECIFICATIONS.

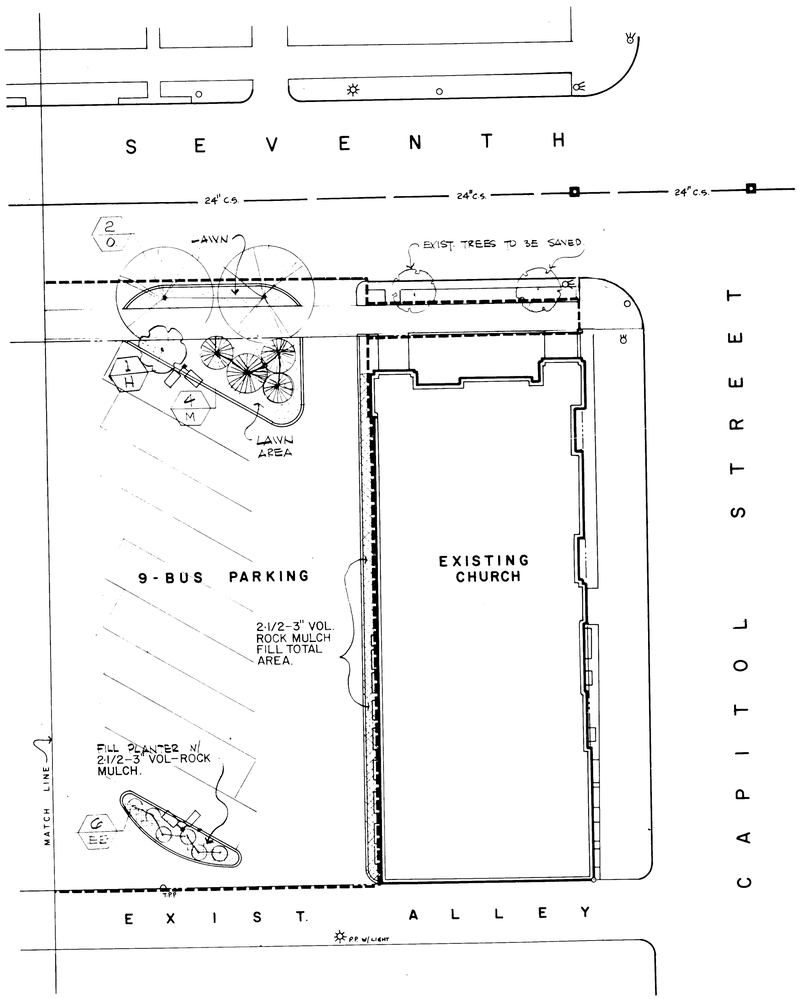
NORTH

0 6.096 M 12.192 M
0 20 FT. 40 FT.

SCALE 1" = 20'
CONVERSION TO METRIC
1 FT. = 0.3048 METERS

LA-3 LANDSCAPE SOUTH PARKING LOT

DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET
	7
	OF 40



SITE PLAN

NORTH

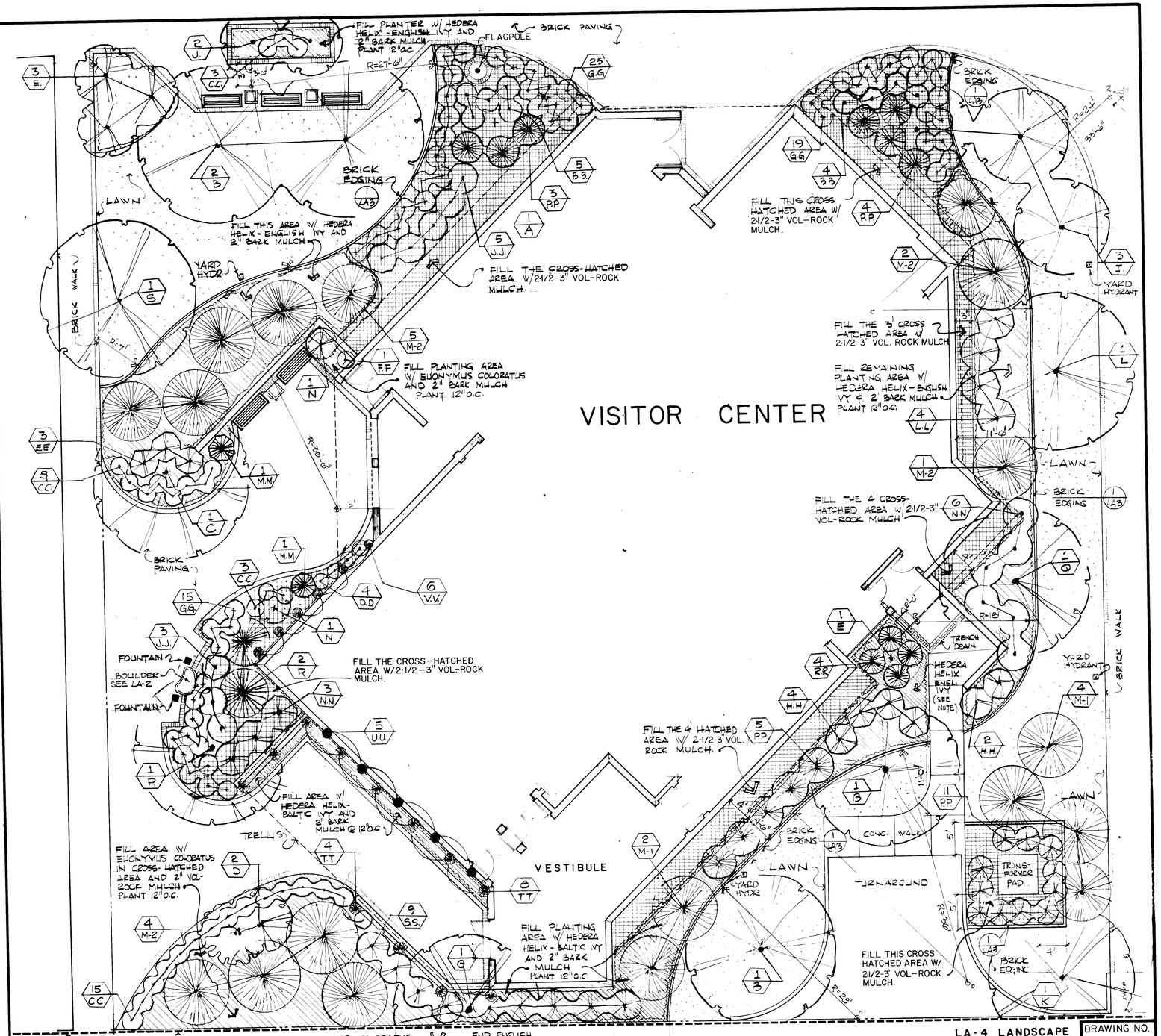
0 6.096 M 12.192 M
0 20 FT. 40 FT.

SCALE 1" = 20'
CONVERSION TO METRIC
1 FT. = 0.3048 METERS

LEGEND

- LAWN AREA (SOD)
- GROUND COVER W/ 2½" TO 3" BARK
- 2½" TO 3" VOL-ROCK MULCH
- 2 ← NUMBER OF PLANTS
- D ← VARIETY OF PLANT
- YARD HYDRANTS SEE SHEET U-2

NOTE:
PLANT LIST IS IN THE SPECIFICATIONS



PLAN ENLARGEMENT

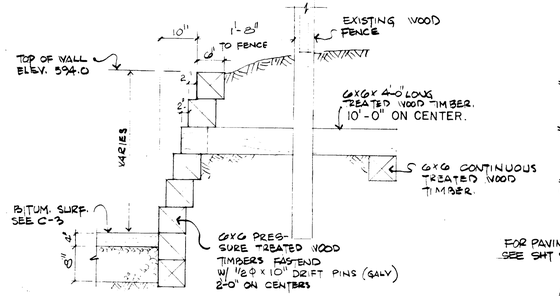
NORTH

0 2.438 M 4.877 M
0 8 FT. 16 FT.

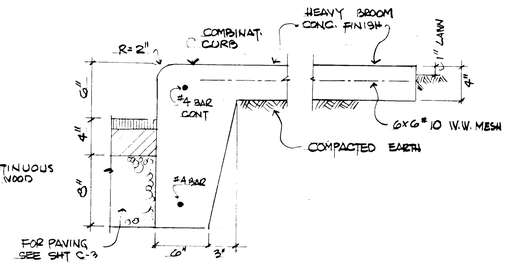
SCALE 1/8" = 1'-0"
CONVERSION TO METRIC
1 FT. = 0.3048 METERS

LA-4 LANDSCAPE BUILDING SITE

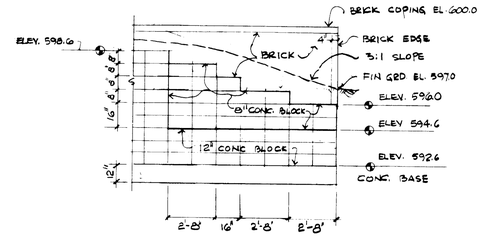
DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET
	8
	OF 40



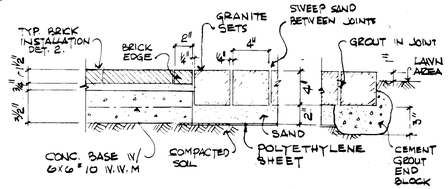
12. TEMPORARY WOOD WALL
SCALE 3/4" = 1'-0"



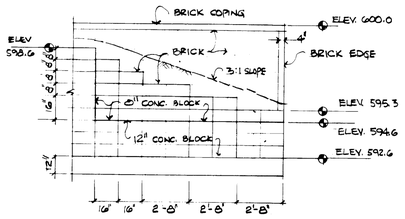
7. TYP CONC. WALK AND CURB
SCALE 1 1/2" = 1'-0"



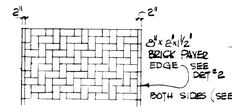
3A WALL END ELEVATION
BACK SIDE SCALE 1/4" = 1'-0"



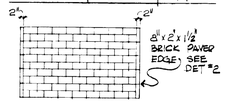
8. GRANITE SETS
SCALE 1 1/2" = 1'-0"



3B WALL END ELEVATION
BACK SIDE SCALE 1/4" = 1'-0"

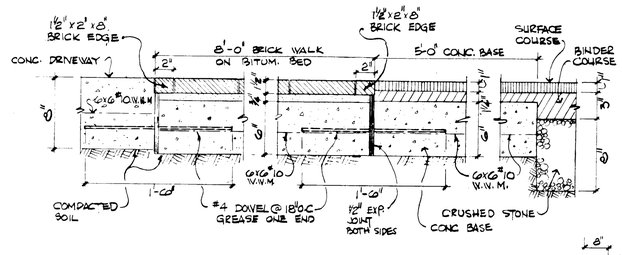


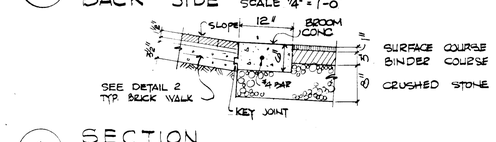
HERRING BONE PATTERN



RUNNING BOND

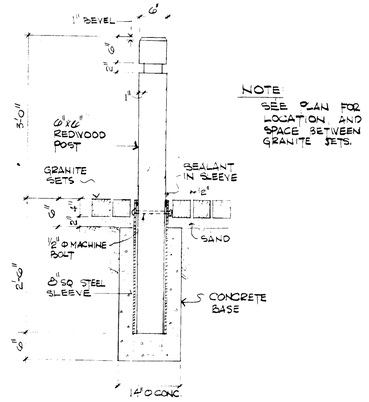
1. BRICK EDGING
SCALE 1 1/2" = 1'-0"





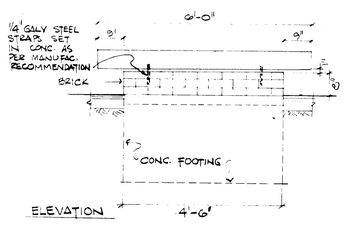
4. SECTION
SCALE 3/4" = 1'-0"

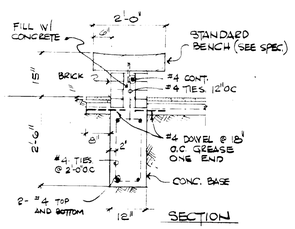
2. TYP BRICK WALK EDGE
SCALE 1 1/2" = 1'-0"



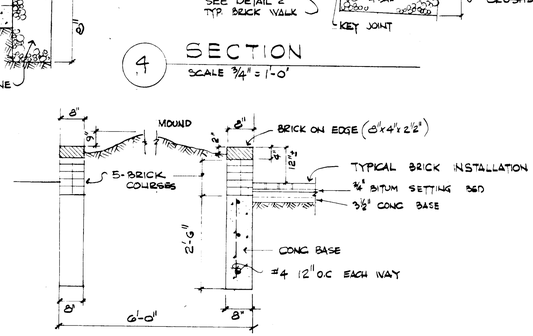
NOTE:
SEE PLAN FOR LOCATION AND SPACE BETWEEN GRANITE SETS.

13. TRAFFIC BARRIER BOLLARDS
SCALE 3/4" = 1'-0"

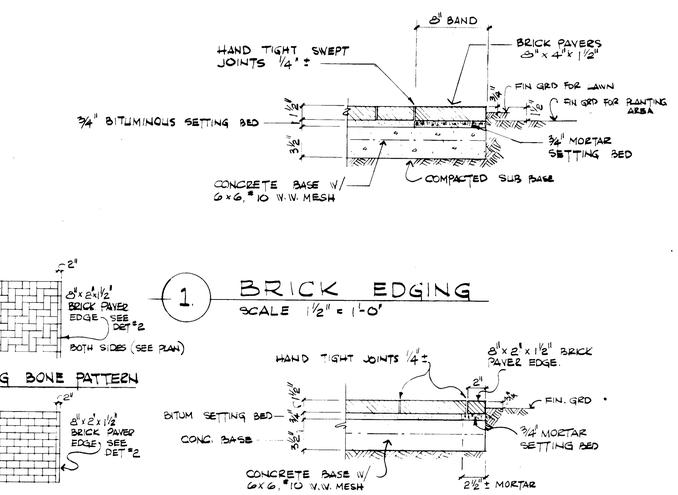




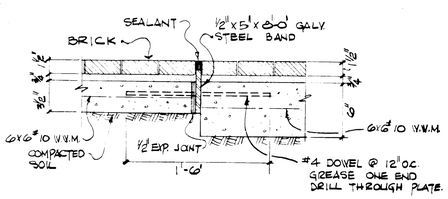
14. WOOD BENCH W/ BASE
SCALE 1/2" = 1'-0"



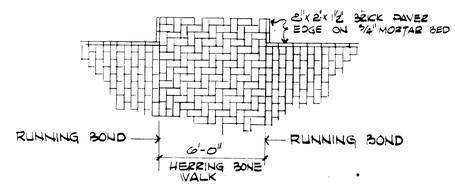
5. BRICK PLANTER
SCALE 1/2" = 1'-0"



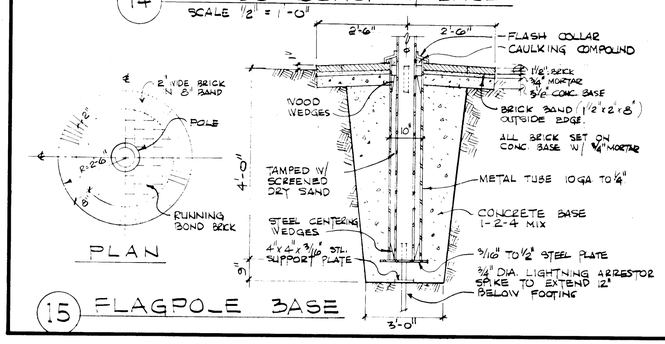
3. BRICK WALL SECTION
SCALE 1" = 1'-0"



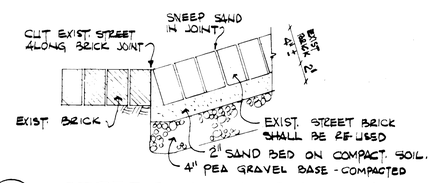
10. STEEL BAND SECTION
SCALE 1/2" = 1'-0"



6. BRICK WALK SECTION
NO SCALE



15. FLAGPOLE BASE



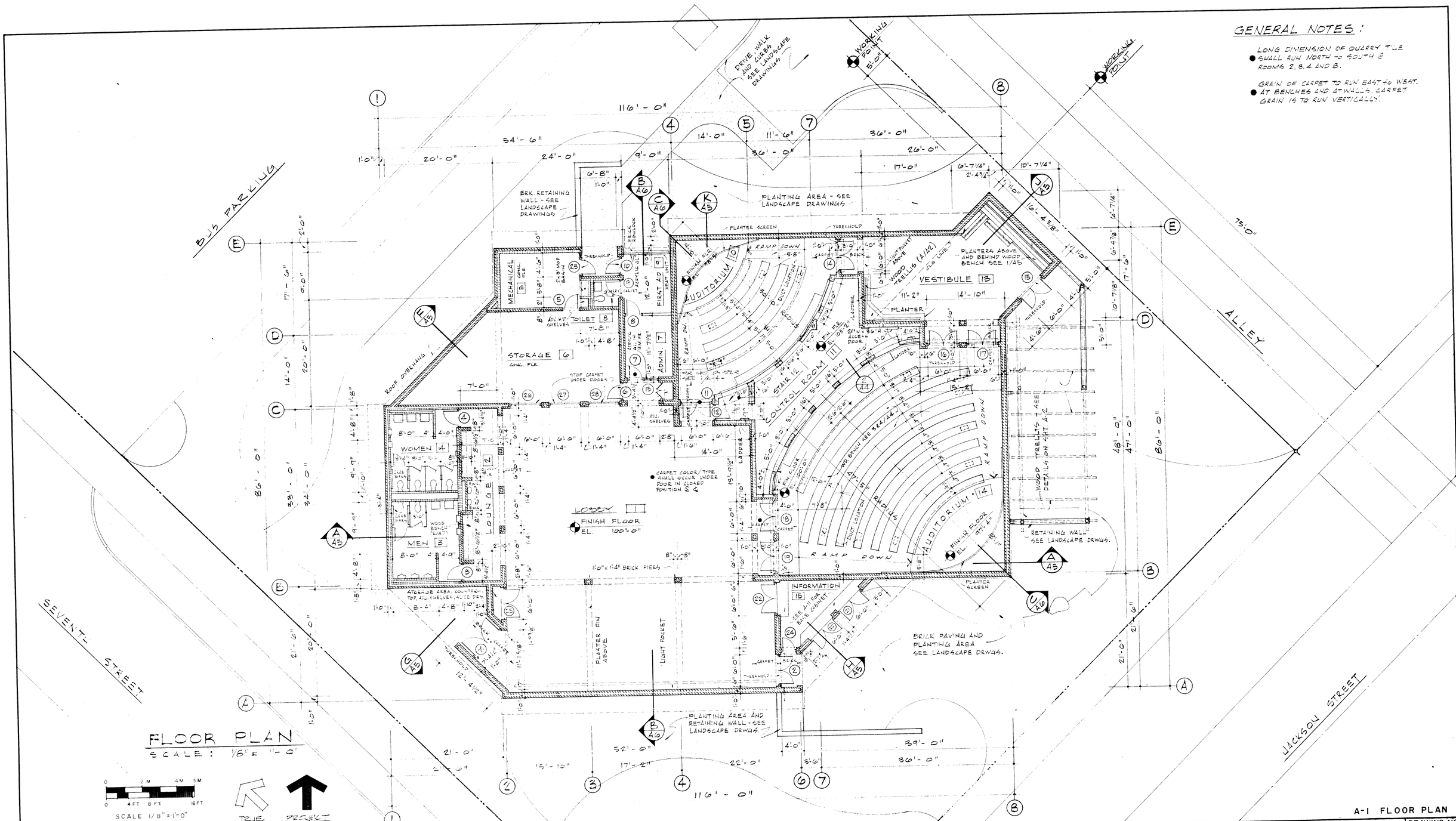
11. STREET BRICK SECTION
SCALE 1 1/2" = 1'-0"

LA-5 SITE DETAILS

DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET
	9
	OF 40

GENERAL NOTES:

- LONG DIMENSION OF QUARRY TILE SHALL RUN NORTH TO SOUTH @ ROOMS 2, 3, 4 AND 8.
- GRAIN OF CARPET TO RUN EAST TO WEST. AT BENCHES AND AT WALLS CARPET GRAIN IS TO RUN VERTICALLY.



FLOOR PLAN

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

SCALE 1/8" = 1'-0"

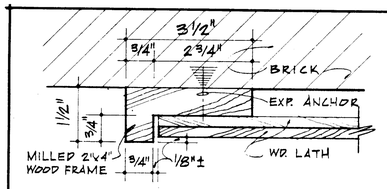
CONVERSION TO METRIC
1 FT = 0.3048 METERS

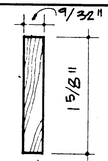
TRUE NORTH

PROJECT NORTH

A-1 FLOOR PLAN

DRAWING NO.	
449 41.001A	
PCIP PKG.	SHEET
	10
	OF 40

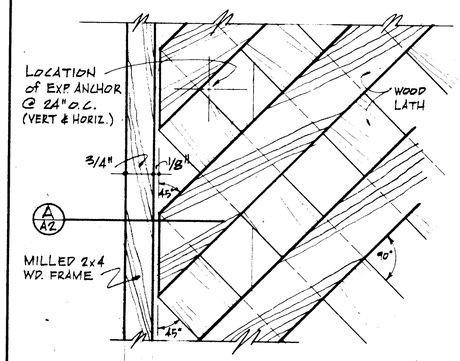




LATH (FULL SIZE)

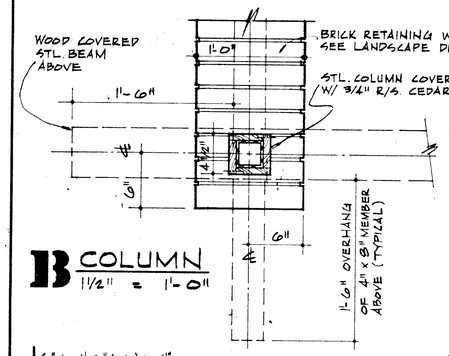
A TRELLIS (JAMB)

SCALE : HALF SIZE



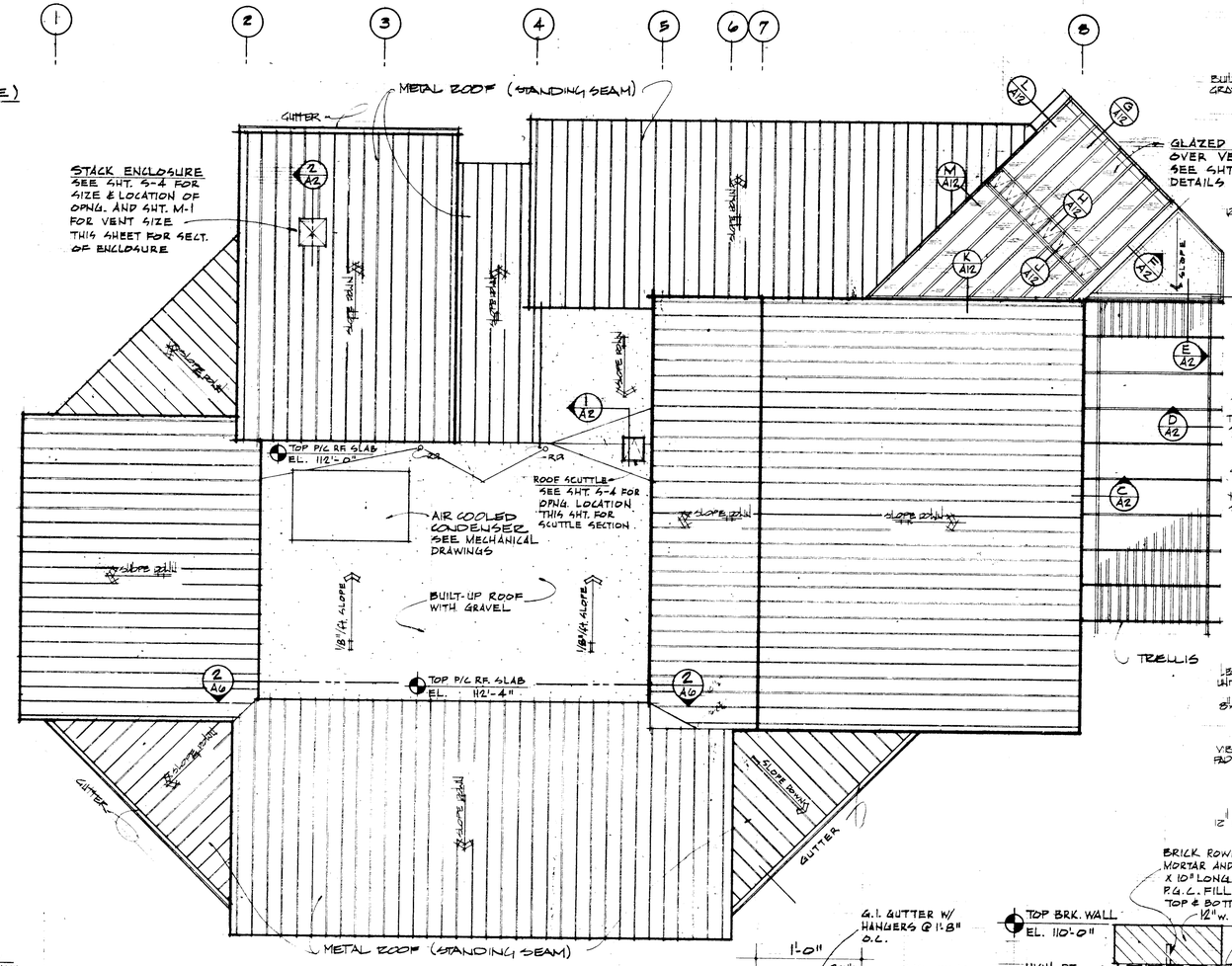
TRELLIS (PARTIAL ELEVATION)

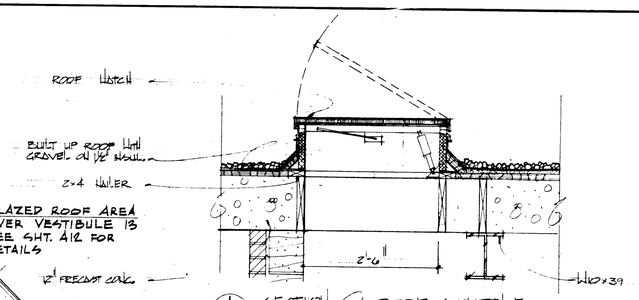
SCALE : HALF SIZE



B COLUMN

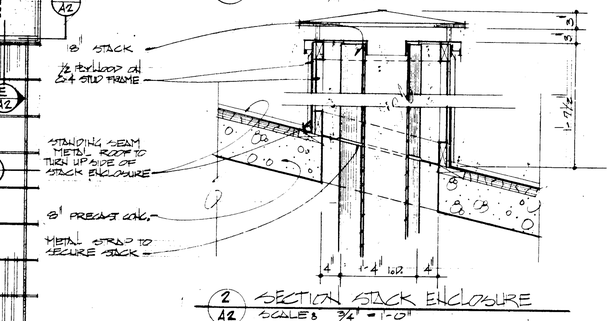
1 1/2" = 1'-0"





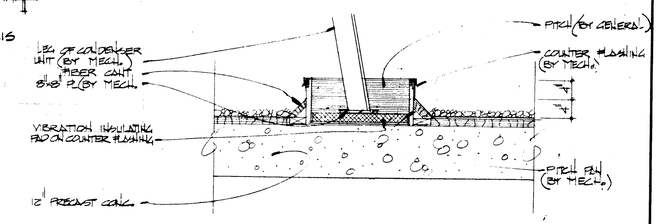
1 A2 SECTION @ ROOF SCUTTLE

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



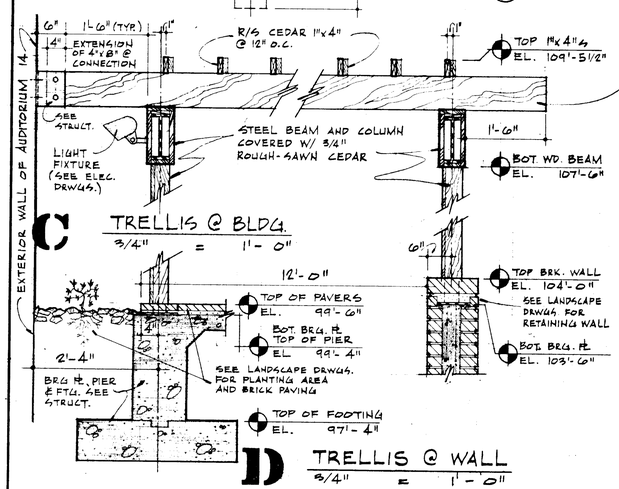
2 A2 SECTION STACK ENCLOSURE

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



3 A2 SECTION PITCH POCKET

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



C TRELLIS @ BLDG.

3/4" = 1'-0"

D TRELLIS @ WALL

3/4" = 1'-0"

ROOF PLAN

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

0 2 M 4 M 5 M

0 4 FT. 8 FT. 16 FT.

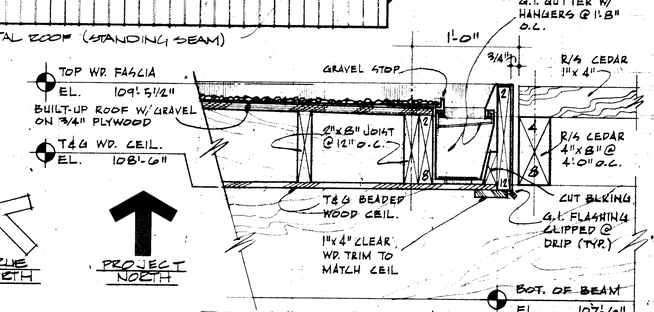
SCALE 1/8" = 1'-0"

CONVERSION TO METRIC

1 FT. = 0.3048 METERS

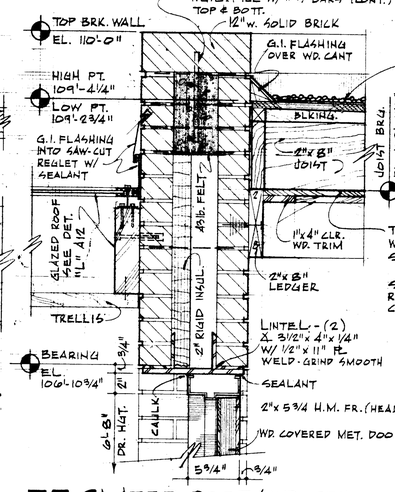
TRUE NORTH

PROJECT NORTH



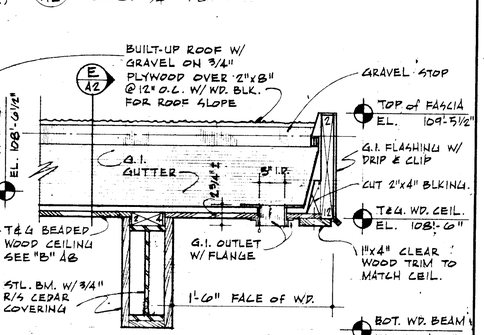
E GUTTER DETAIL

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



F GLAZED ROOF/ WD. CEIL.

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

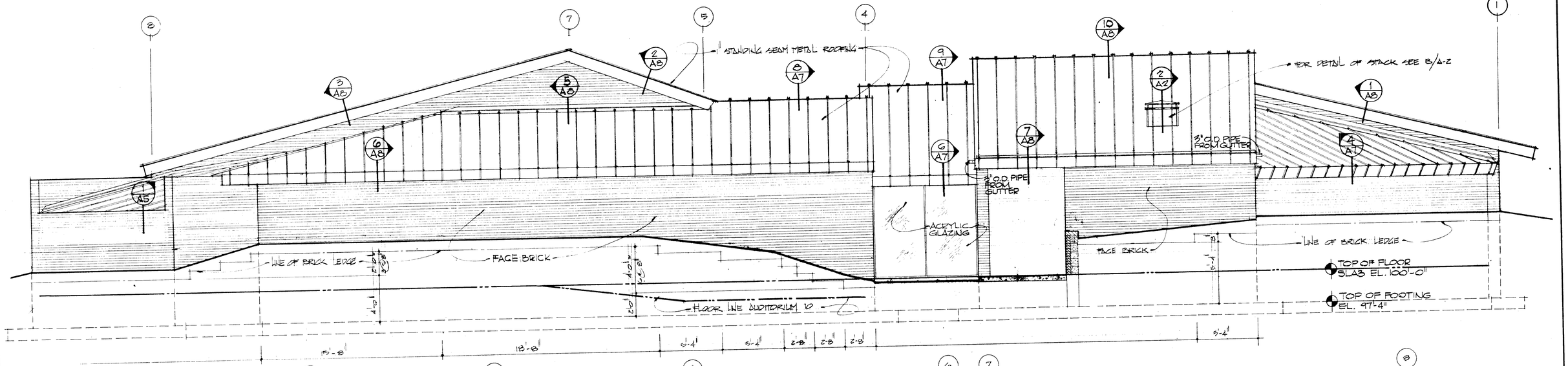


G GUTTER OUTLET

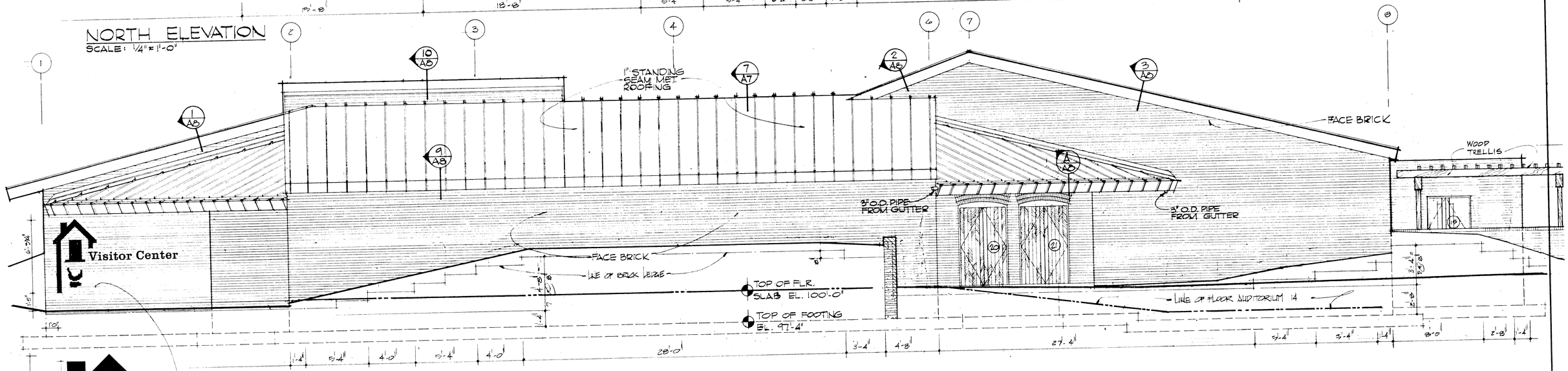
SCALE : 1 1/2" = 1'-0"

A-2 ROOF PLAN

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET 11 OF 40

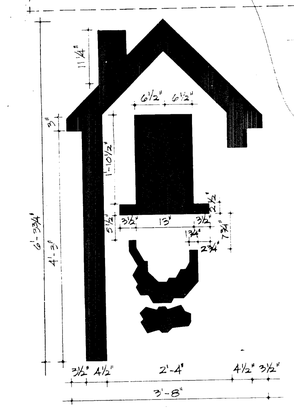


NORTH ELEVATION
SCALE: 1/4" = 1'-0"



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

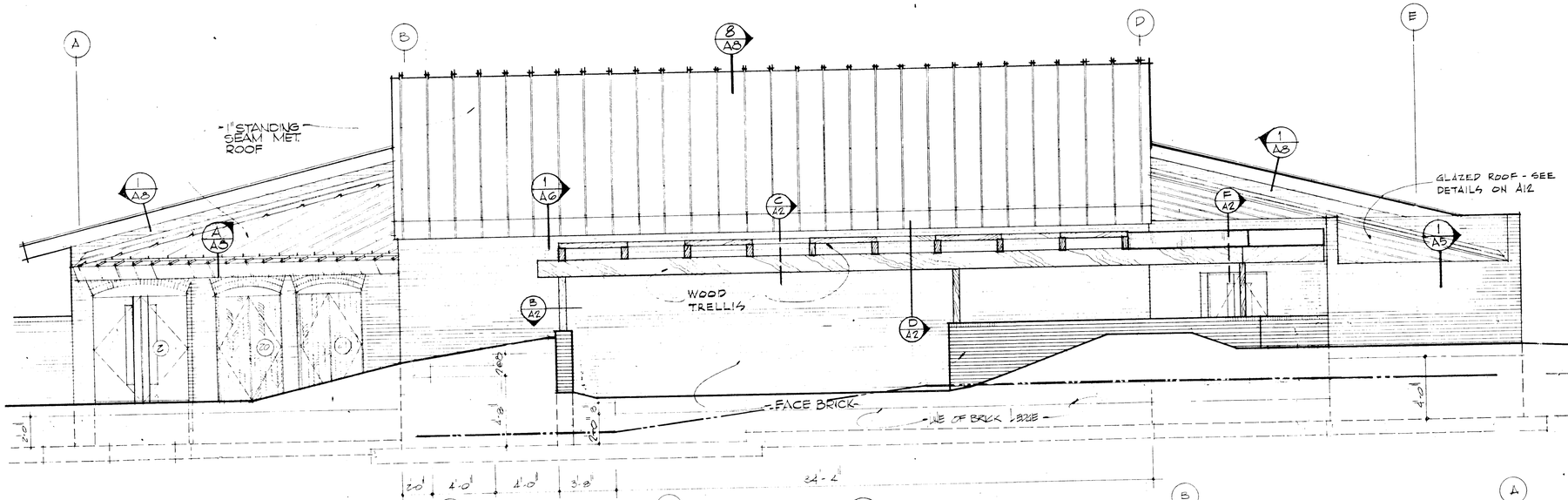
NOTE:
SYMBOL & LETTERS TO BE WHITE OAK; FLUSH MOUNTED TO MASONRY FACE.
SYMBOL TO BE 3" DEEP
LETTERS TO BE 8" IN HEIGHT & 1 1/2" DEEP
TYPESTYLE TO BE NATIONAL PARK SERVICE MODIFIED CLARENDON ALPHABET; CAPITALS & LOWER CASE AS INDICATED.



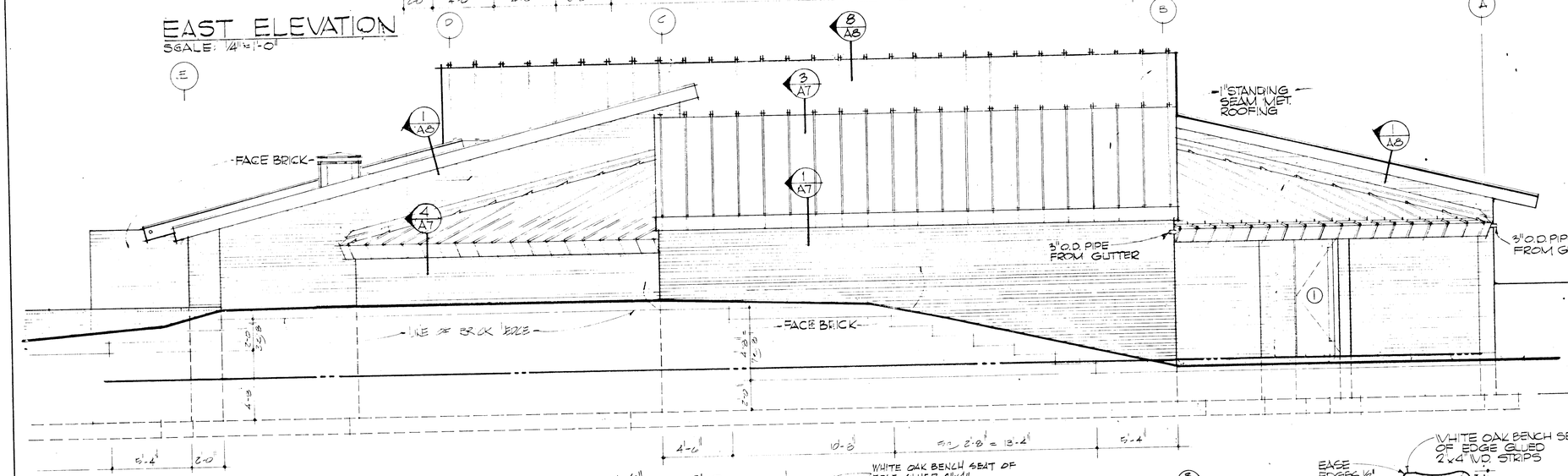
LOGO
SCALE: 3/4" = 1'-0"

A-3 ELEVATIONS

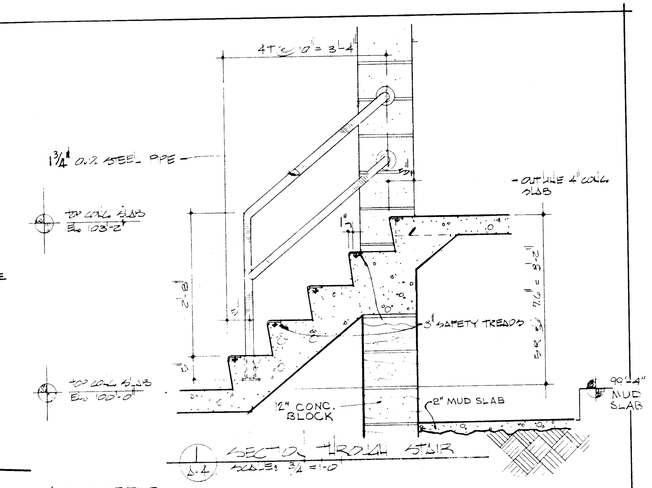
DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET
	12
	OF 40



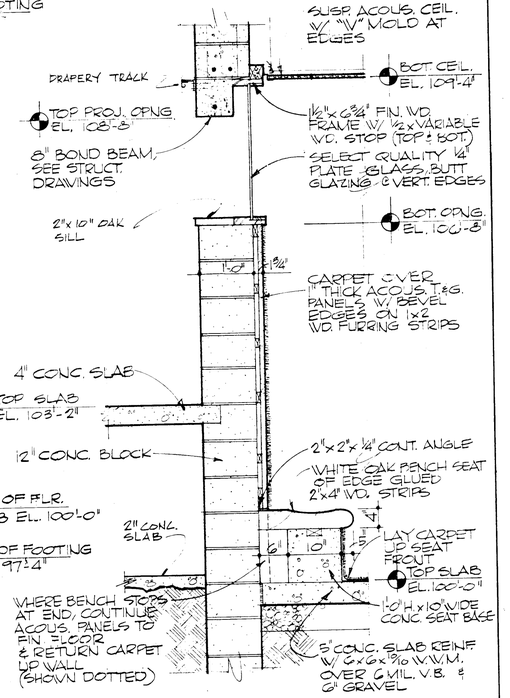
EAST ELEVATION
SCALE: 1/4" = 1'-0"



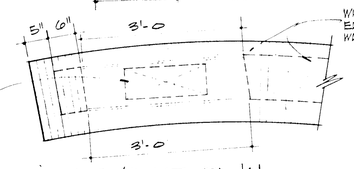
WEST ELEVATION
SCALE: 1/4" = 1'-0"



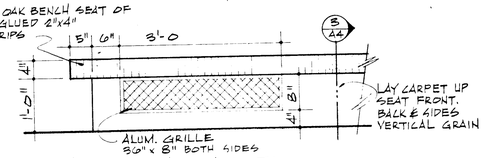
1/A4 SECTION THRU STAIR
SCALE: 3/4" = 1'-0"



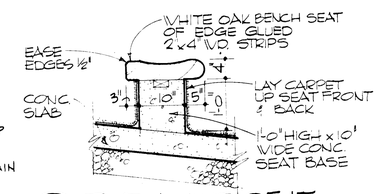
2/A4 SECT. @ CONTROL ROOM
SCALE: 3/4" = 1'-0"



5/A4 GRILLE/DUCT PLAN
SCALE: 3/4" = 1'-0"



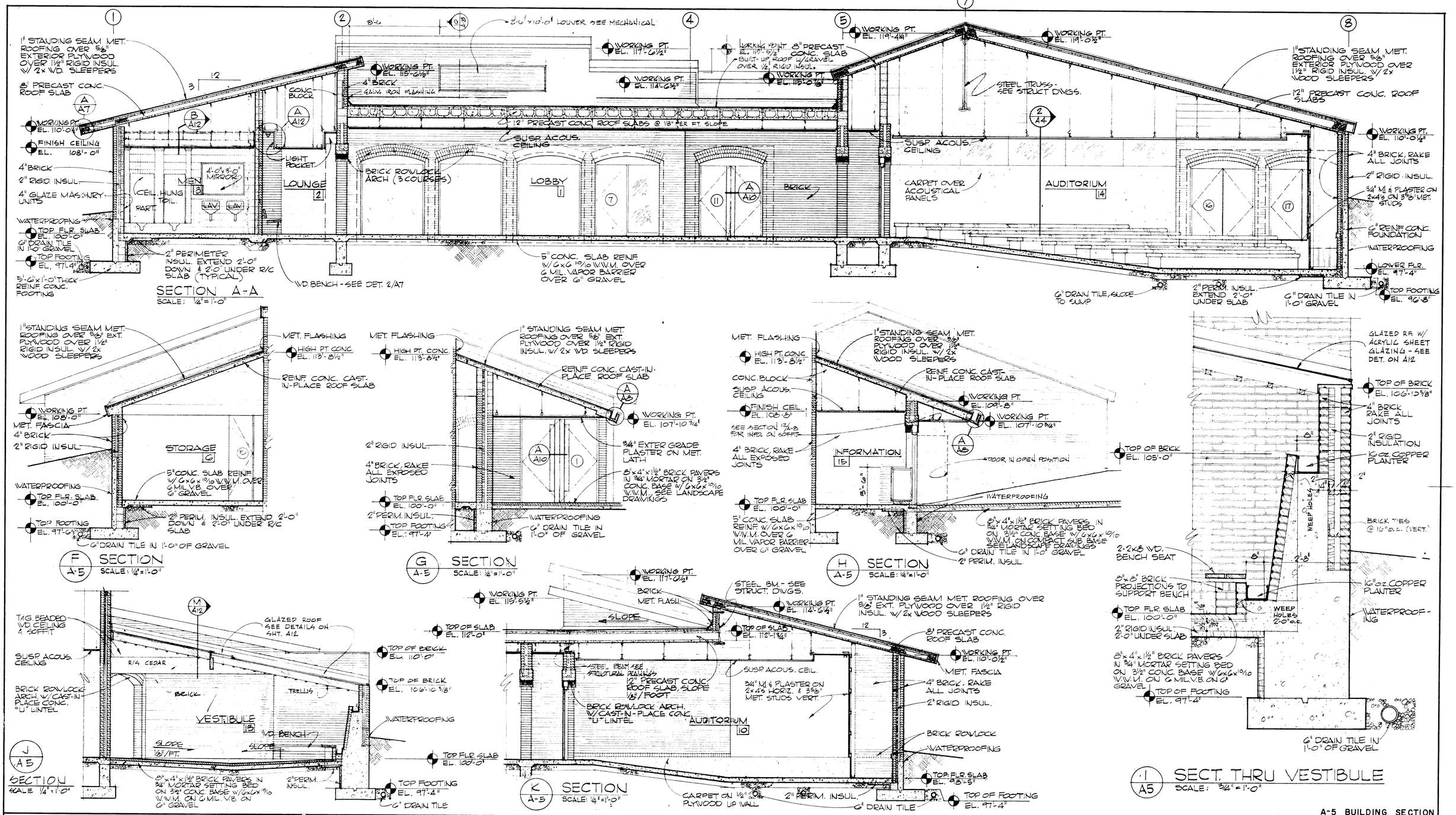
4/A4 GRILLE/SEAT EL.
SCALE: 3/4" = 1'-0"



3/A4 TYP. AUDIT. SEAT
SCALE: 3/4" = 1'-0"

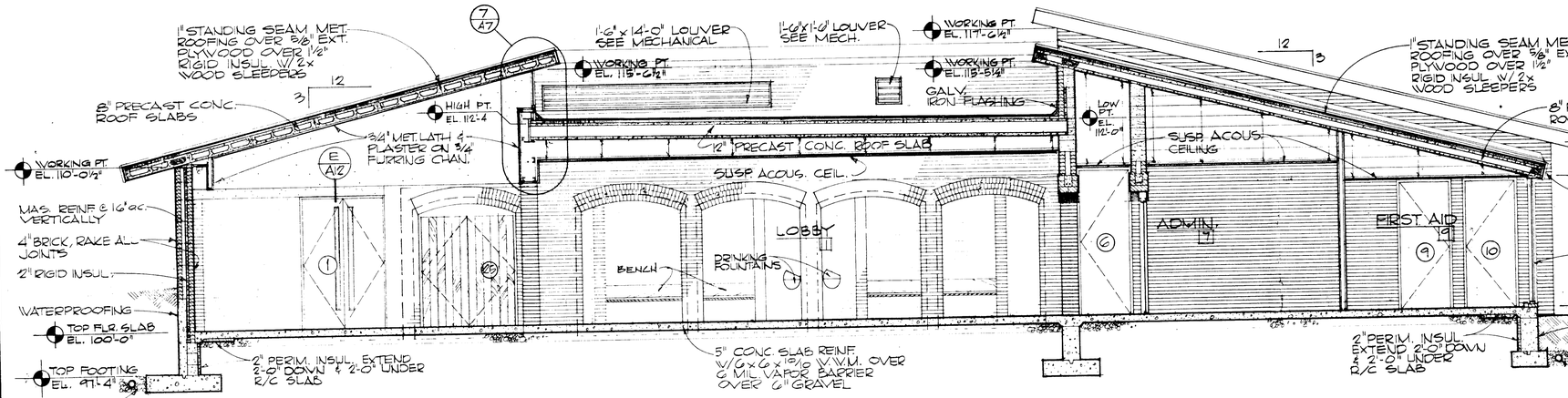
A-4 ELEVATIONS

DRAWING NO.
449 41,001A
PCIP PKG. / SHEET 13 OF 40

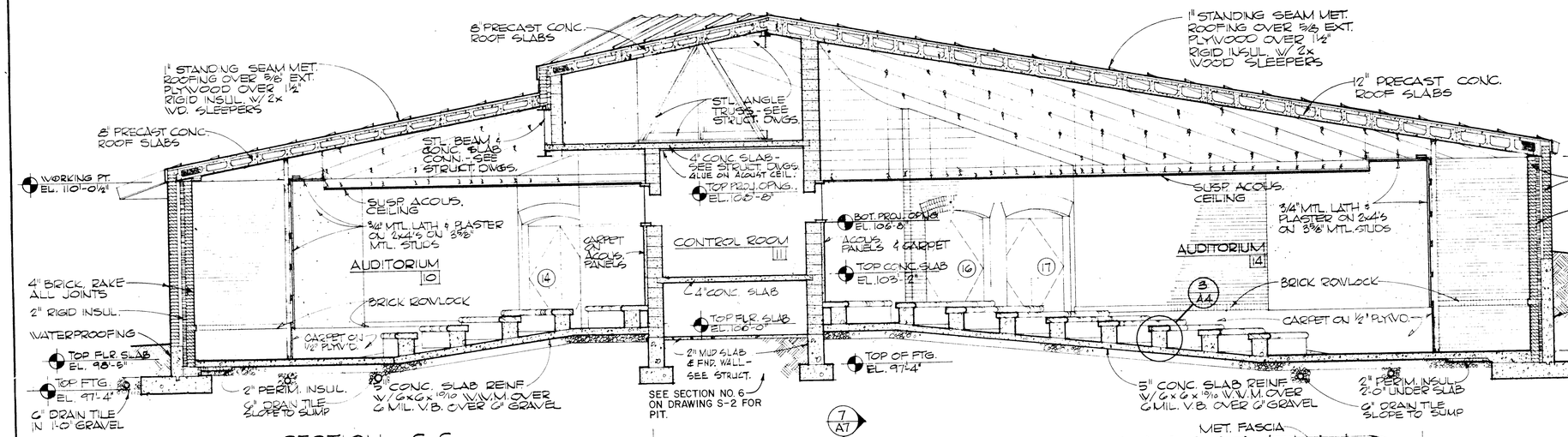


A-5 BUILDING SECTION

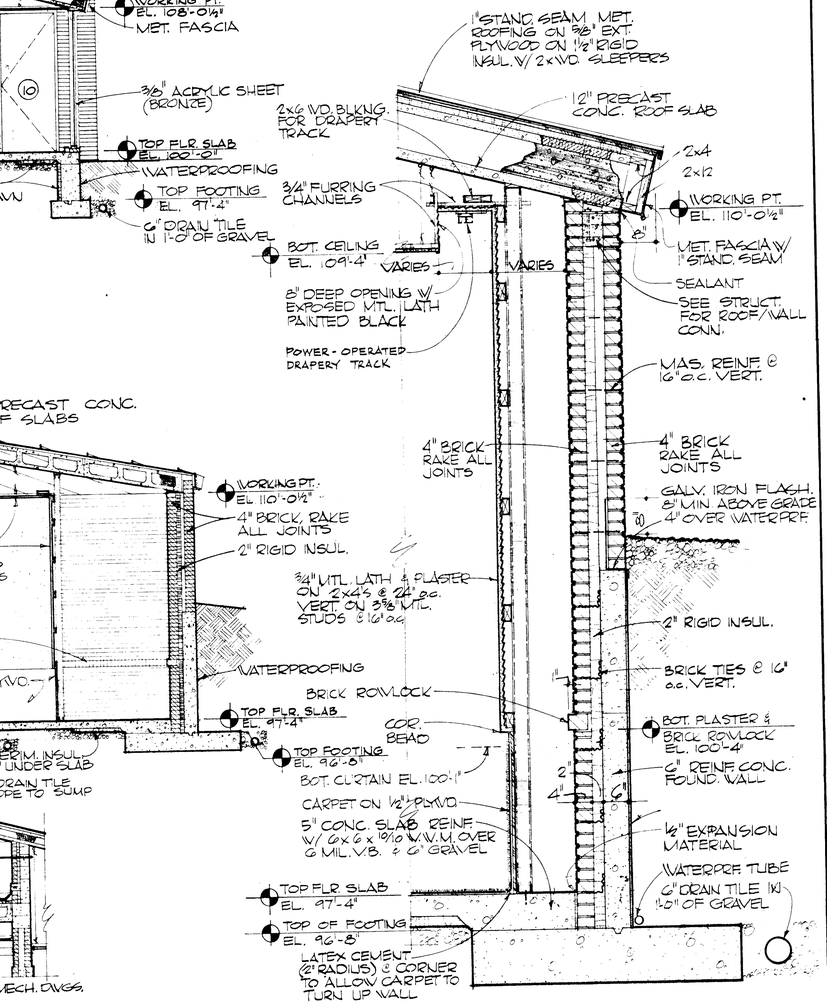
DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET 14 OF 40



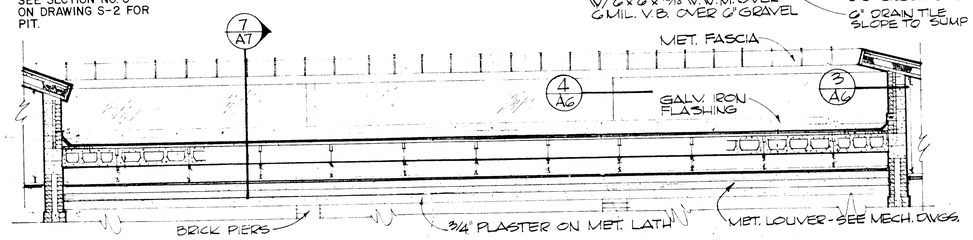
SECTION B-B
SCALE: 1/4" = 1'-0"



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

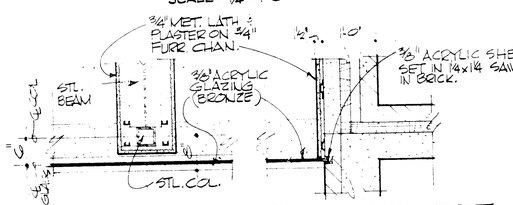


1/A6 SECT. THRU AUDITORIUM WALL
SCALE: 3/4" = 1'-0"



2/A6 SECTION THRU ROOF SHOWING CLERESTORY
SCALE: 1/4" = 1'-0"

NOTE: SEE SECTION A-A FOR ADDITIONAL NOTES.

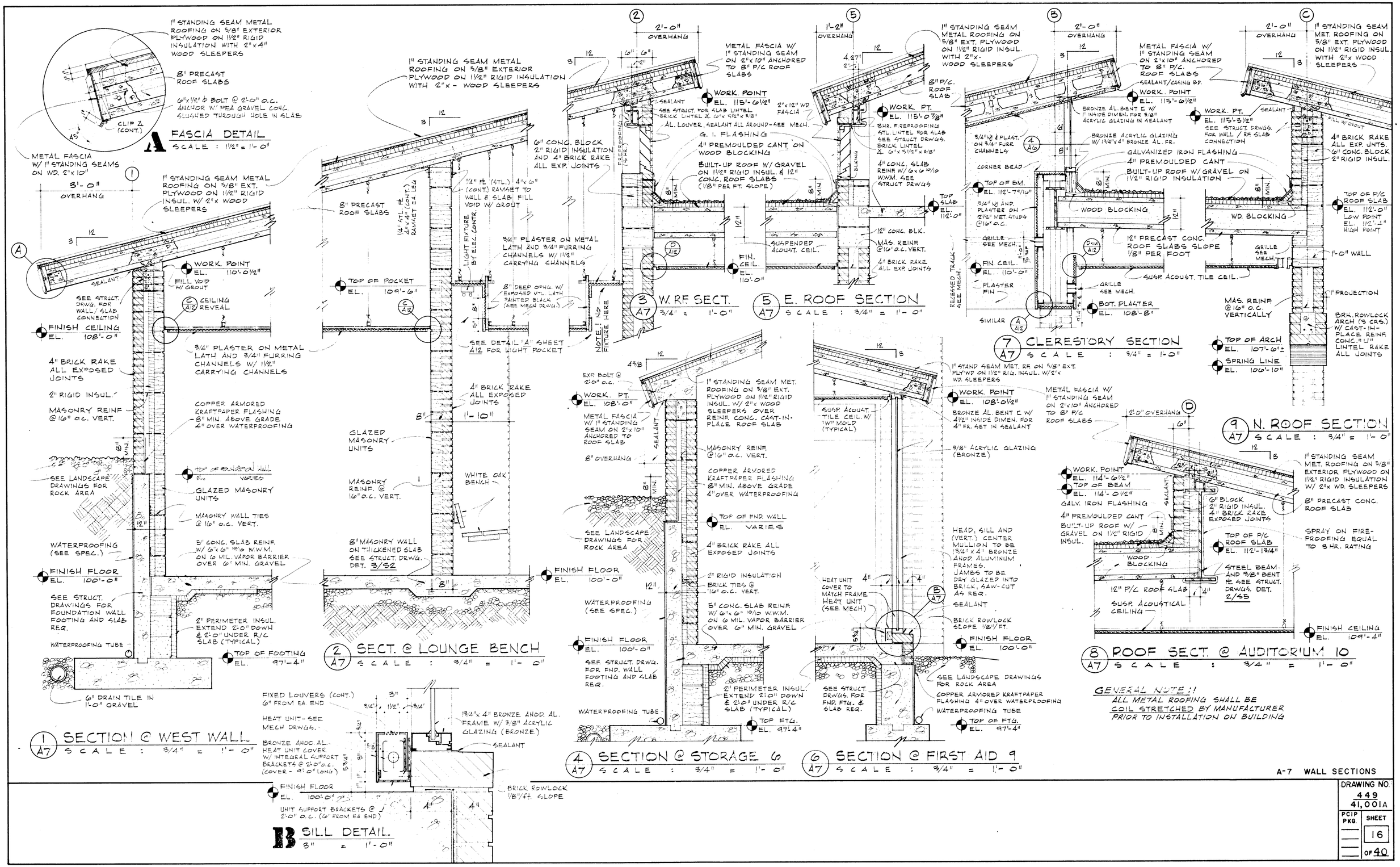


4/A6 CLERE. DET.
SCALE: 3/4" = 1'-0"

3/A6 CLERE. DET.
SCALE: 3/4" = 1'-0"

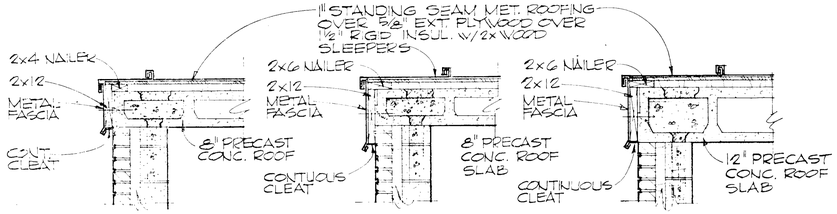
A-6 BUILDING SECTIONS

DRAWING NO.	
449 / 41,001 A	
PCIP PKG.	SHEET
	15
	OF 40



A-7 WALL SECTIONS

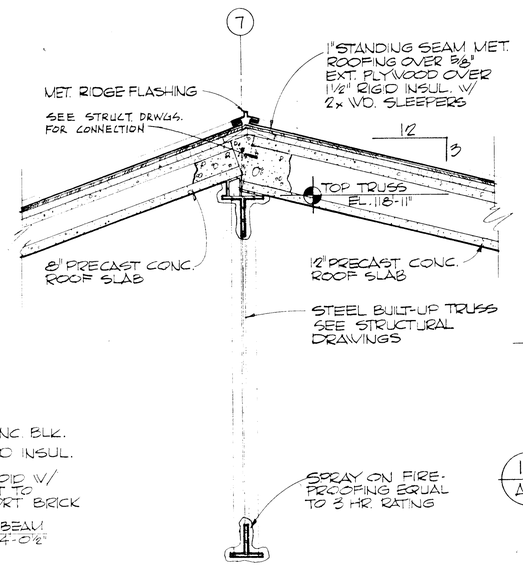
DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET
	16
	OF 40



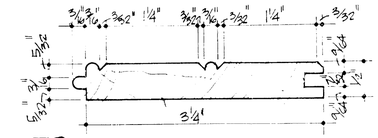
1/A8 ROOF EDGE SCALE: 3/4" = 1'-0"

2/A8 ROOF EDGE SCALE: 3/4" = 1'-0"

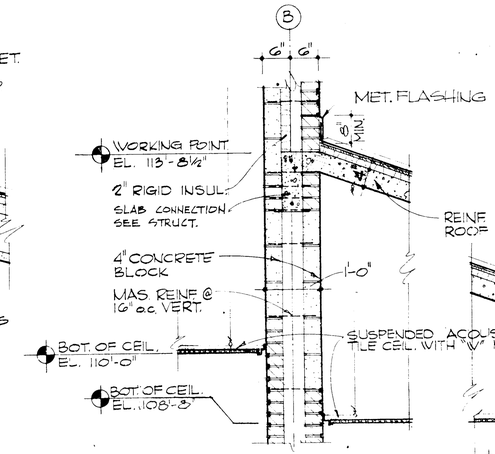
3/A8 ROOF EDGE SCALE: 3/4" = 1'-0"



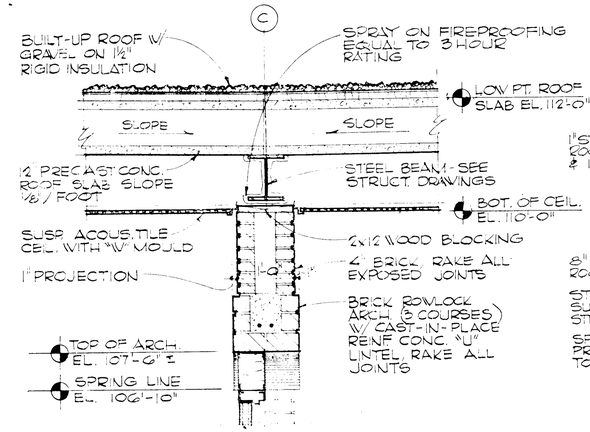
8/A8 SECT THRU TRUSS SCALE: 3/4" = 1'-0"



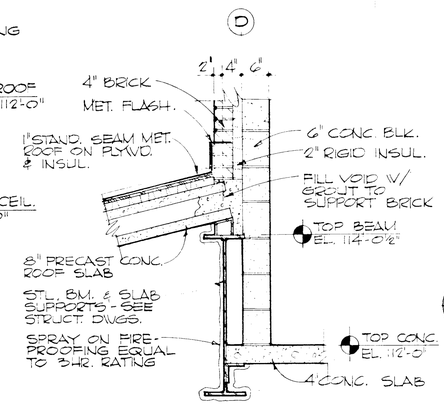
B TONGUE & GROOVE BEADED WOOD FULL SCALE



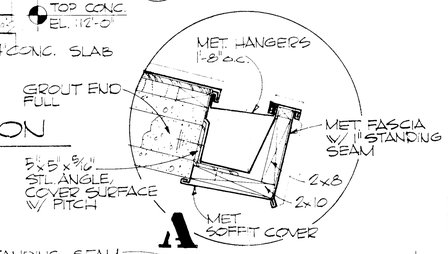
11/A8 SECT. @ ROOF & WALL INT. SCALE: 3/4" = 1'-0"

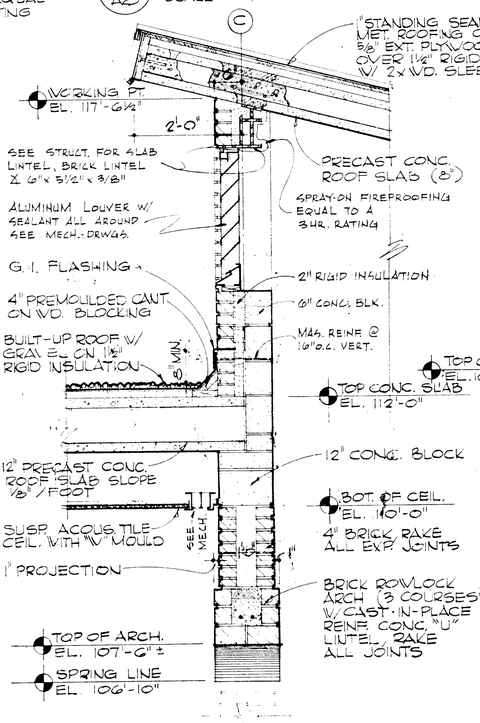


4/A8 ROOF SECTION @ AUDITORIUM #10 SCALE: 3/4" = 1'-0"

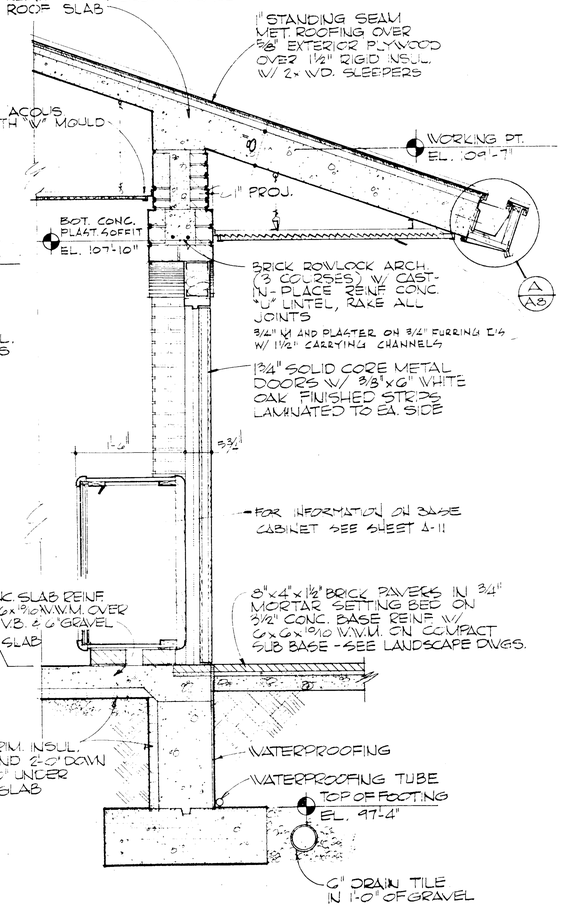


5/A8 ROOF SECTION SCALE: 3/4" = 1'-0"

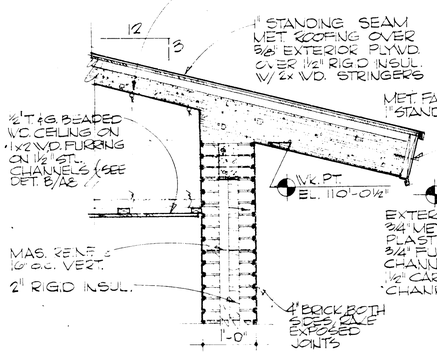




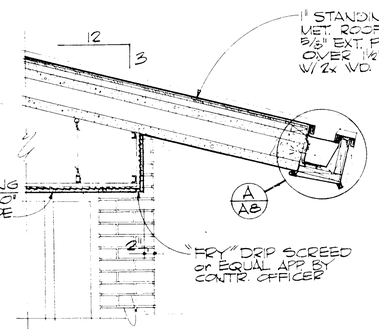
10/A8 NORTH ROOF SECTION SCALE: 3/4" = 1'-0"



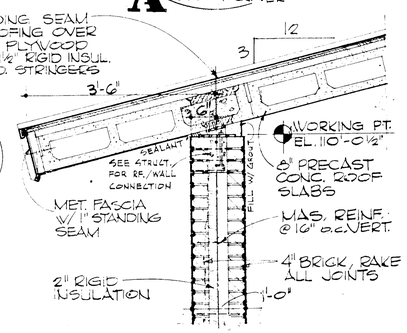
12/A8 SECT. THRU INFORMATION COUNTER SCALE: 3/4" = 1'-0"



6/A8 NORTH ROOF OF VEST. SCALE: 3/4" = 1'-0"



7/A8 SECT. @ NORTH ENTRY SCALE: 3/4" = 1'-0"



9/A8 SOUTH ROOF SECT. SCALE: 3/4" = 1'-0"

GENERAL NOTE:
ALL METAL ROOFING SHALL BE COIL STRETCHED BY MANUFACTURER PRIOR TO INSTALLATION ON BLDG.

A-8 WALL SECTION

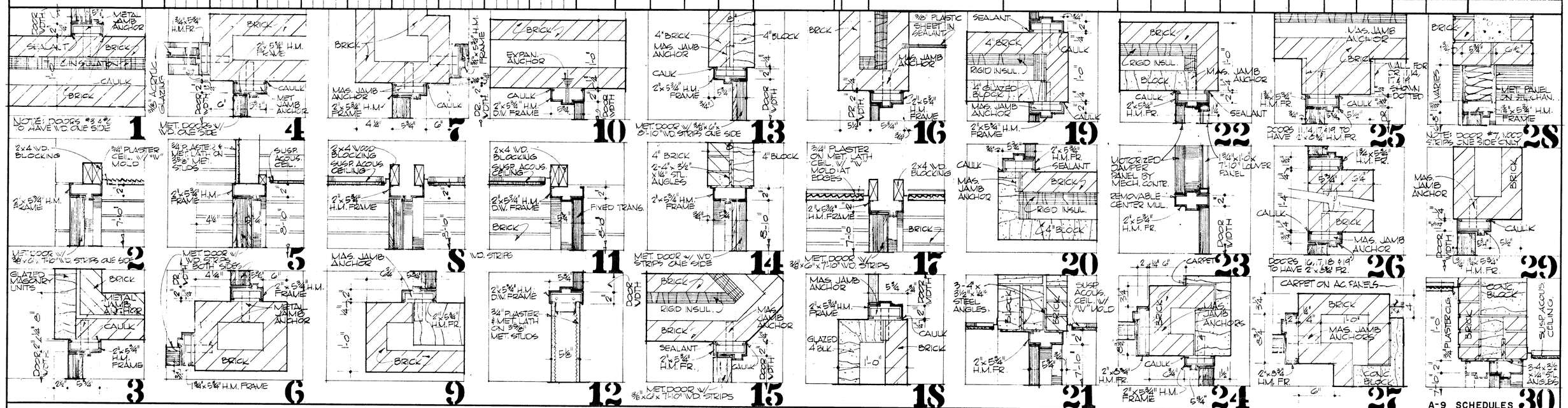
DRAWING NO.	449 41,001A
PCIP PKG.	SHEET 17 OF 40

ROOM FINISH SCHEDULE

ROOM NAME	NO.	WALLS: BRICK (N E S W)	BLOCK (N E S W)	PLASTER (N E S W)		GLAZED BLK (N E S W)	ACOUS. PANEL (N E S W)		PAINT (N E S W)		FLOOR	BASE	CEILING HGT.	CEILING MAT.	CEILING FIN.	REMARKS
LOBBY	1	● ● ● ●			● ●						CARPET		10'-0"	1" ACOUS & PLASTER		PLASTER FINS @ CEIL.
LOUNGE	2	● ● ● ●									QUARRY TILE		8'-0"	PLASTER		
MEN'S TOILET	3					● ● ● ●					QUARRY TILE		8'-0"	PLASTER		
WOMENS TOILET	4					● ● ● ●					QUARRY TILE		8'-0"	PLASTER		
MECHANICAL	5		● ● ● ●						● ● ● ●		CONC.		EXPOSED			
STORAGE	6	● ● ● ●									CONC.		EXPOSED			
ADMINISTRATION	7	● ● ●		●							CARPET		9'-0"	1'-0"x1'-0" ACOUS.		
TOILET	8					● ● ● ●					QUARRY TILE		8'-0"	1'-0"x1'-0" ACOUS.		
FIRST AID	9	● ●			●						CARPET		8'-0"	1'-0"x1'-0" ACOUS.		
SMALL AUDITORIUM	10	● ●	● ●				● ●				CARPET		9'-4"	1'-0"x1'-0" ACOUS.		CARPET ON AC. PANEL
CONTROL ROOM	11		● ● ● ●						● ● ● ●		CONC.		8'-0"	1'-0"x1'-0" ACOUS.		GLUE CEIL. TILE TO EXPOSED CONC.
STAIRS	12		● ● ● ●						● ● ● ●		CONC.		EXPOSED	CONC.		
VESTIBULE	13	● ● ● ●									BRICK PAVERS		8'-8"	T&G BEAD WD.		
LARGE AUDITORIUM	14	● ●	●		●		●	●	●	●	CARPET		9'-4"	1'-0"x1'-0" ACOUS.		CARPET ON AC. PANEL
INFORMATION AREA	15	● ● ● ●									CARPET		8'-8"	1'-0"x1'-0" ACOUS.		

DOOR SCHEDULE

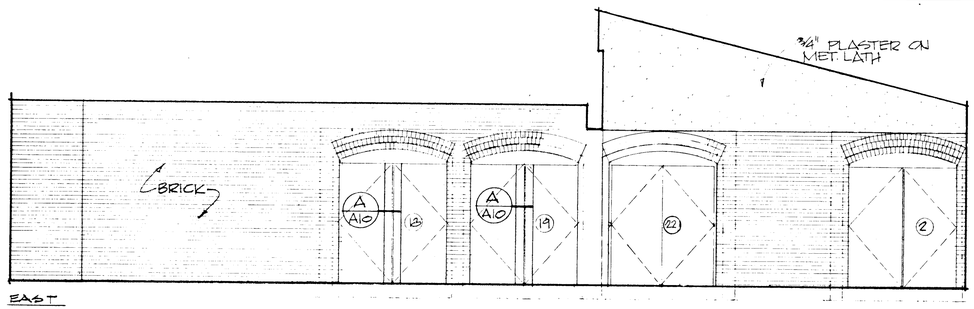
NO.	LOCATION	SIZE	DETAILS JAMB	DETAILS HEAD	DETAILS JAMB	DOOR TYP.	DOOR CORE	DOOR MAT.	DOOR FIN.	FRAME MAT.	FRAME FIN.	HDW. GROUP	REMARKS
1	ENTRY TO LOBBY 1	3'-0" x 7'-10" x 2 1/2" (PAIR)	1	17	15	E	INSUL.	METAL	STAIN	METAL	PAINT	1	WD. STRIPS TWO SIDES
2	ENTRY TO LOBBY	2'-10" x 6'-8" x 2 1/2" (PAIR)	32	28	25	E	INSUL.	METAL	STAIN	METAL	PAINT	1	WD. STRIPS TWO SIDES
3	LOUNGE 2 TO MEN'S ROOM 3	3'-0" x 7'-10" x 2 1/8"	3	2	1 SIM.	C	HOLLOW	METAL	STAIN/ PAINT	METAL	PAINT	2	WD. STRIPS ONE SIDE
4	LOUNGE 2 TO WOMEN'S ROOM 4	3'-0" x 7'-10" x 2 1/8"	1 SIM.	2	3	C	HOLLOW	METAL	STAIN/ PAINT	METAL	PAINT	2	WD. STRIPS ONE SIDE
5	STORAGE 6 TO MECH. 5	3'-0" x 8'-10" x 2 1/8"	13	14	13	C	HOLLOW	METAL	STAIN/ PAINT	METAL	PAINT	4	WD. STRIPS ONE SIDE
6	STORAGE 6 TO LOBBY 1	3'-0" x 8'-10" x 2 1/2"	7	5	6	A	HOLLOW	METAL	STAIN	METAL	PAINT	4	WD. STRIPS TWO SIDES
7	LOBBY 1 TO ADMIN. 7	2'-10" x 6'-8" x 2 1/8"	7	28 SIM.	4, 36	C	HOLLOW	METAL	STAIN/ PAINT	METAL	PAINT	5	WD. STRIPS ONE SIDE 3/8" ACYLIC SIDE LITE
8	ADMIN. 7 TO FIRST AID. 9	3'-0" x 7'-10" x 1 3/4"	10	11	12	B	HOLLOW	METAL	PAINT	METAL	PAINT		FIXED TRANSOM
9	FIRST AID 9 TO TOILET 8	2'-10" x 7'-10" x 1 3/4"	18	21	19	B	HOLLOW	METAL	PAINT	METAL	PAINT	6	
10	FIRST AID 9 TO EXTERIOR	3'-0" x 7'-10" x 1 3/4"	19	30	16	B	INSUL.	METAL	PAINT	METAL	PAINT	3	
11	LOBBY 1 TO SMALL AUDITOR. 10	2'-9 3/4" x 6'-8" x 2 1/2" (PAIR)	25 SIM.	37	24	F	HOLLOW	METAL	STAIN	METAL	PAINT	8	WD. STRIPS TWO SIDES REMOV. PANEL ABOVE
12	LOBBY 1 TO STAIRS 12	2'-10" x 9'-10" x 2 1/8"	24	14 SIM.	9	C	HOLLOW	METAL	STAIN/ PAINT	METAL	PAINT	4	WD. STRIPS ONE SIDE
13	LOBBY 1 TO CLOSET	1'-6" x 8'-10 x 2 1/8" (PAIR)	4	8	4 SIM	C	HOLLOW	METAL	STAIN/ PAINT	METAL	PAINT	4	WD. STRIPS ONE SIDE
14	SMALL AUDITOR. 10 TO VESTIBULE 13	2'-9 3/4" x 6'-8" x 2 1/2" (PAIR)	25 SIM.	37	24 SIM.	F	HOLLOW	METAL	STAIN	METAL	PAINT	8	WD. STRIPS TWO SIDES REMOV. PANEL ABOVE
15	VESTIBULE 3 TO EXTERIOR	2'-10" x 6'-8" x 2 1/2" (PAIR)	29	28	29	E	INSUL.	METAL	STAIN	METAL	PAINT	1	WD. STRIPS TWO SIDES
16	AUDITORIUM 14 TO VESTIBULE 13	2'-9 3/4" x 6'-8" x 2 1/2" (PAIR)	27	37	26 SIM.	F	HOLLOW	METAL	STAIN	METAL	PAINT	7	WD. STRIPS TWO SIDES REMOV. PANEL ABOVE
17	AUDITORIUM 14 TO VESTIBULE 13	2'-9 3/4" x 6'-8" x 2 1/2" (PAIR)	26 SIM.	37	25 SIM.	F	HOLLOW	METAL	STAIN	METAL	PAINT	7	WD. STRIPS TWO SIDES REMOV. PANEL ABOVE
18	AUDITORIUM 14 TO LOBBY 1	2'-9 3/4" x 6'-8" x 2 1/2" (PAIR)	26 SIM.	37	27	F	HOLLOW	METAL	STAIN	METAL	PAINT	7	WD. STRIPS TWO SIDES REMOV. PANEL ABOVE
19	AUDITORIUM 14 TO LOBBY 1	2'-9 3/4" x 6'-8" x 2 1/2" (PAIR)	25 SIM.	37	26 SIM.	F	HOLLOW	METAL	STAIN	METAL	PAINT	7	WD. STRIPS TWO SIDES REMOV. PANEL ABOVE
20	INFORMATION 15 TO EXTERIOR	2'-10" x 6'-8" x 2 1/2" (PAIR)	35	31	26	G	INSULA.	METAL	STAIN	METAL	PAINT	9	WD. STRIPS TWO SIDES
21	INFORMATION 15 TO EXTERIOR	2'-10" x 6'-8" x 2 1/2" (PAIR)	35	31	26	G	INSULA.	METAL	STAIN	METAL	PAINT	9	WD. STRIPS TWO SIDES
22	INFORMATION 15 TO LOBBY 1	2'-10" x 6'-8" x 2 1/2" (PAIR)	35 SIM.	31	35	G	HOLLOW	METAL	STAIN	METAL	PAINT	9	WD. STRIPS TWO SIDES
23	MECHANICAL 5 TO ENTRY	3'-0" x 7'-10" x 1 3/4"	22, 23	30 SIM.	20	B	INSUL.	METAL	PAINT	METAL	PAINT	3	
24	ENTRY TO INFORMATION 15	2'-10" x 6'-8" x 2 1/2"	32	33	34	C	INSUL.	METAL	STAIN/ PAINT	METAL	PAINT	3	WD. STRIPS ONE SIDE
25	LOBBY TO CLOSET	2'-0" x 6'-8" x 2 1/2" (PAIR)	33	31	35	G	HOLLOW	METAL	STAIN	METAL	PAINT	9	WD. STRIPS TWO SIDES
26	LOBBY 1 TO STORAGE 6	2'-10" x 6'-8" x 2 1/2" (PAIR)	29	28	29	G	HOLLOW	METAL	STAIN	METAL	PAINT	NONE	WD. STRIPS TWO SIDES FIXED DOORS
27	LOBBY 1 TO STORAGE 6	2'-10" x 6'-8" x 2 1/2" (PAIR)	29	28	29	G	HOLLOW	METAL	STAIN	METAL	PAINT	NONE	WD. STRIPS TWO SIDES FIXED DOORS
28	LOBBY 1 TO STORAGE 6	2'-10" x 6'-8" x 2 1/2" (PAIR)	29	28	6	G	HOLLOW	METAL	STAIN	METAL	PAINT	NONE	WD. STRIPS TWO SIDES FIXED DOORS



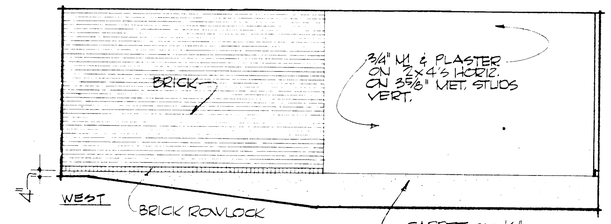
DRAWING NO. 449-1,001A

PCIP PKG.

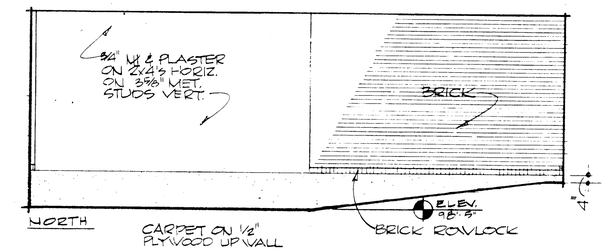
SHEET 18 OF 40

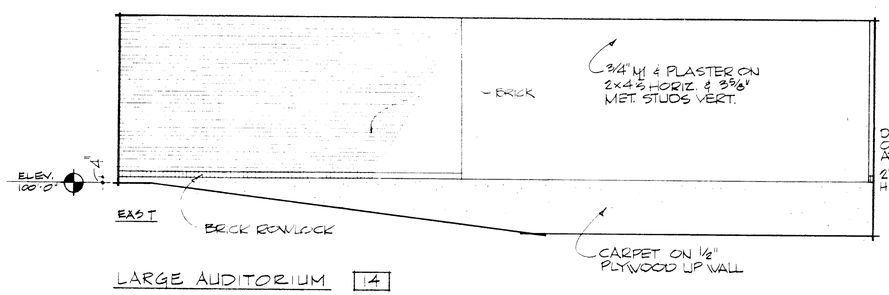


LOBBY 1

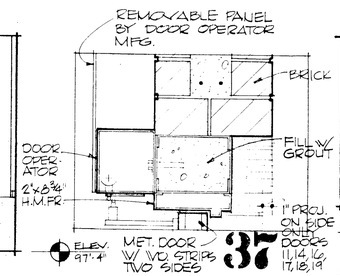


SMALL AUDITORIUM 10

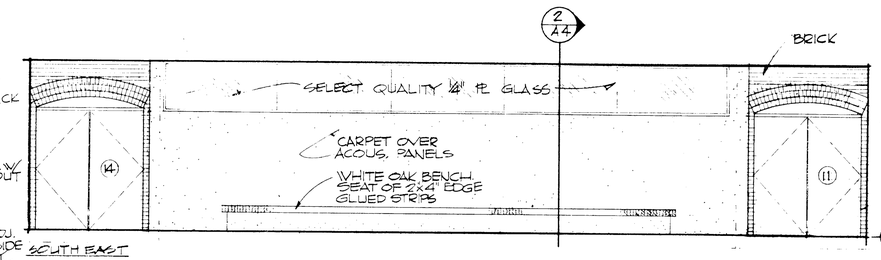




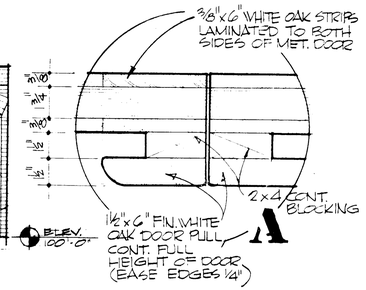
LARGE AUDITORIUM 14

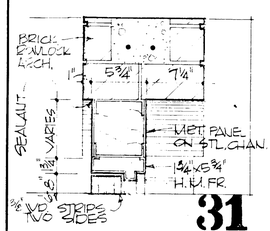


37

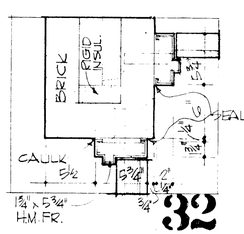


SMALL AUDITORIUM 10

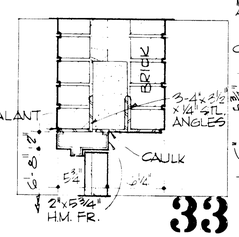




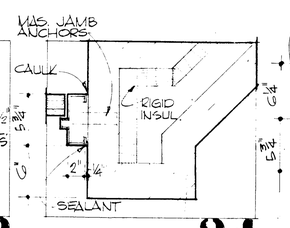
31



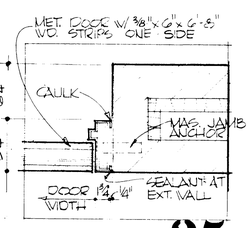
32



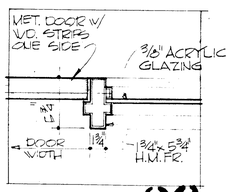
33



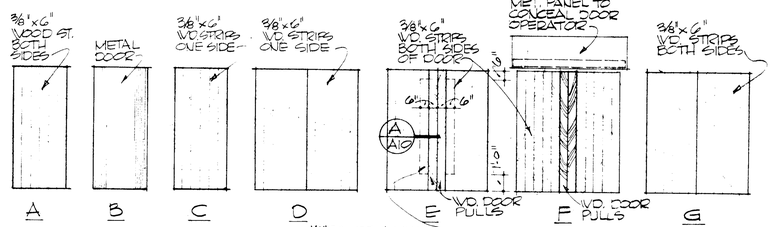
34



35



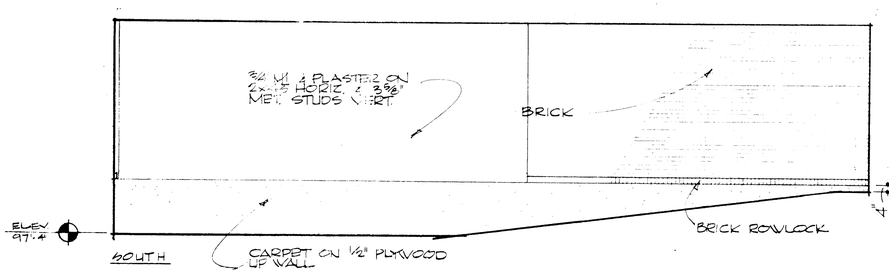
36

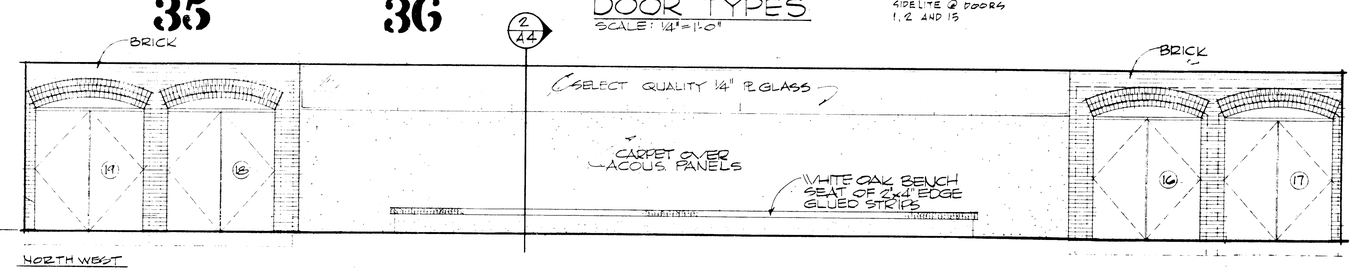


DOOR TYPES

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

1/4" BRONZE ACRYLIC SIDELITE @ DOORS 1, 2 AND 15

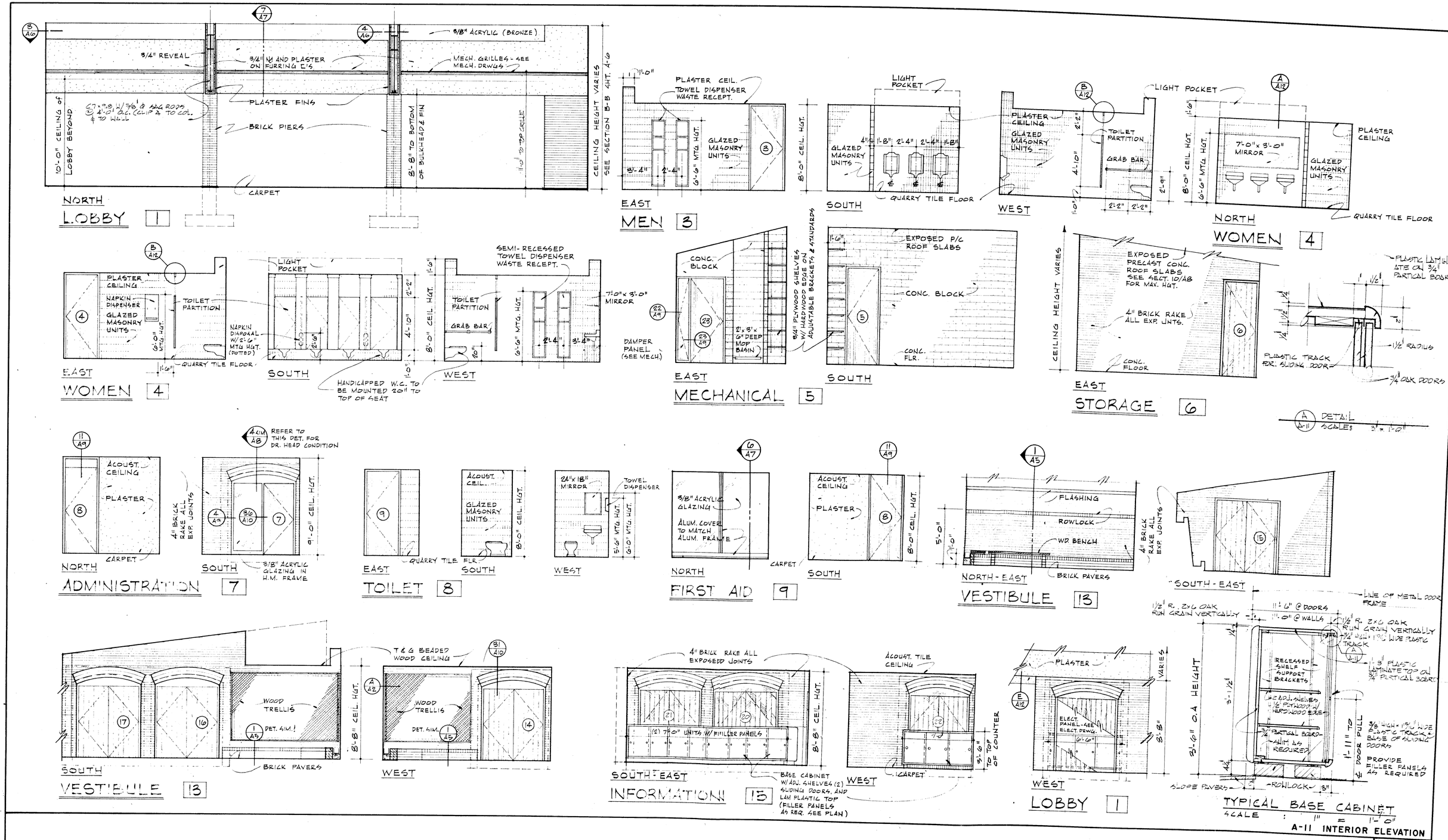




LARGE AUDITORIUM 14

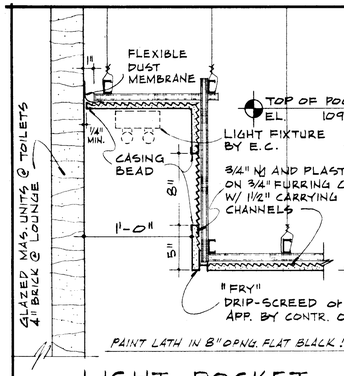
A-10 INTERIOR ELEVATION

DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET
	19
	OF 40

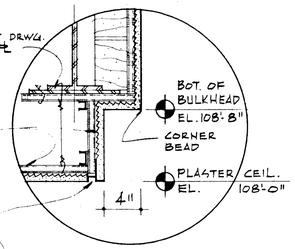


A-11 INTERIOR ELEVATION

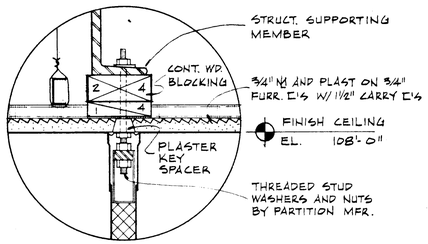
DRAWING NO.	
449 41.001A	
PCIP PKG.	SHEET 20 OF 40



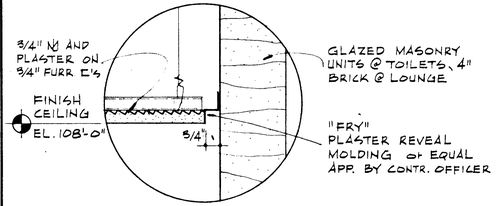
LIGHT POCKET **A**
SCALE : 1 1/2" = 1'-0"



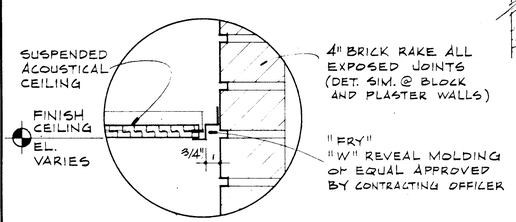
BULKHEAD REVEAL **E**
SCALE : 1 1/2" = 1'-0"



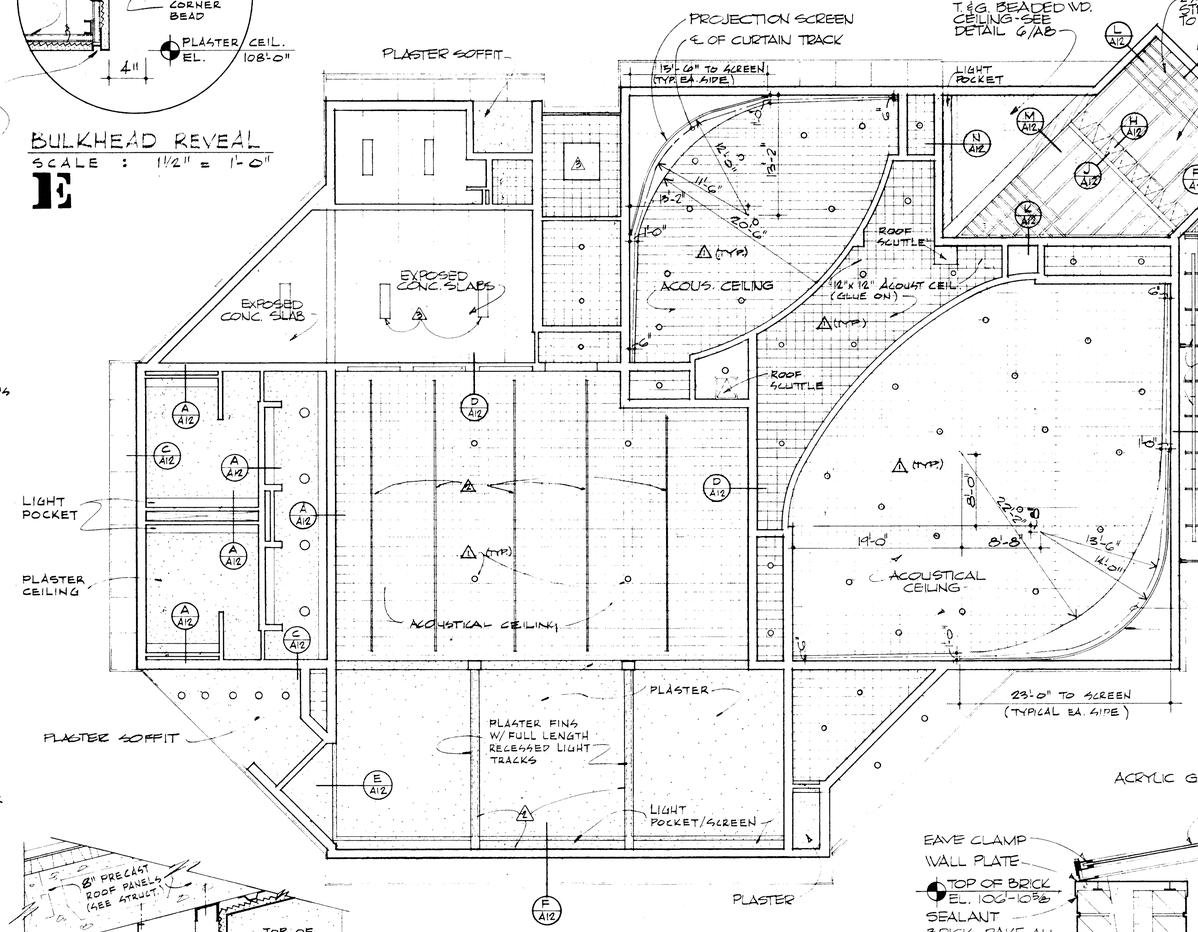
CEILING HUNG PILASTER DET. **B**
SCALE : 3" = 1'-0"



CEILING REVEAL **C**
SCALE : 3" = 1'-0"

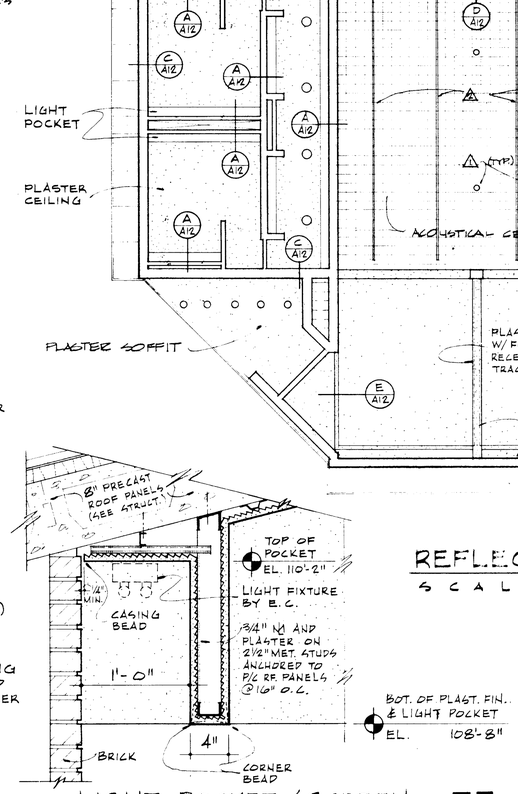


CEILING REVEAL **D**
SCALE : 3" = 1'-0"

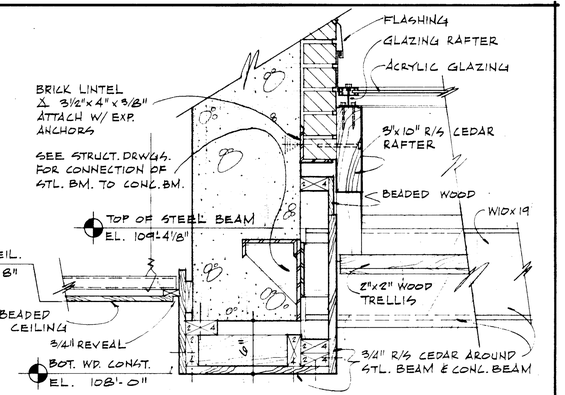


REFLECTED CEILING PLAN
SCALE : 1/8" = 1'-0"

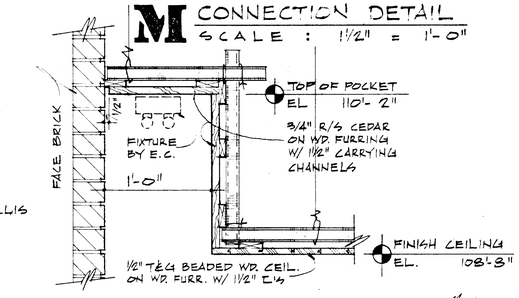
LIGHTING KEY
- RECESSED
- TRACK LIGHT
- FLOURESCENT



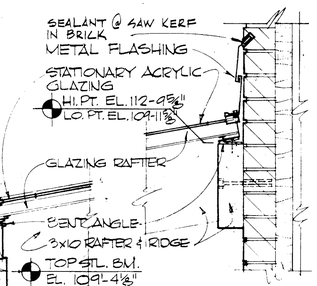
LIGHT POCKET/SCREEN **F**
SCALE : 1 1/2" = 1'-0"



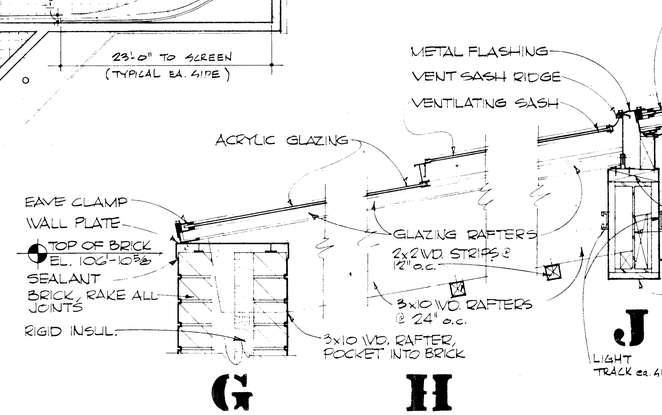
CONNECTION DETAIL **M**
SCALE : 1 1/2" = 1'-0"



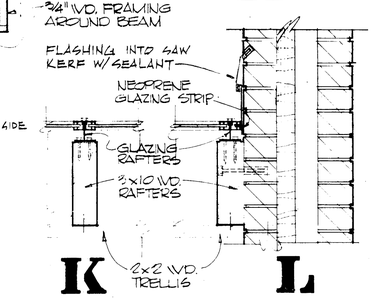
LIGHT POCKET **N**
1 1/2" = 1'-0"



K



G H J



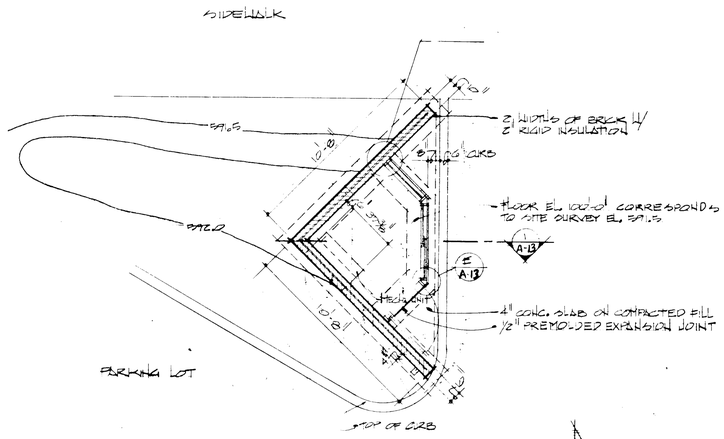
K L

GLAZED ROOF DETAILS
SCALE: 1 1/2" = 1'-0"
(ALL EXPOSED WOOD TO BE R/S CEDAR)

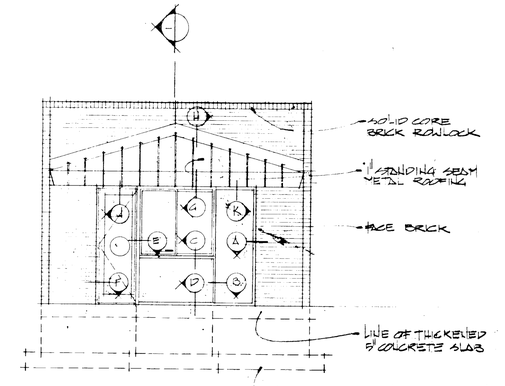
A-12 REFLECTED CEILING

DRAWING NO. 449
41,001A

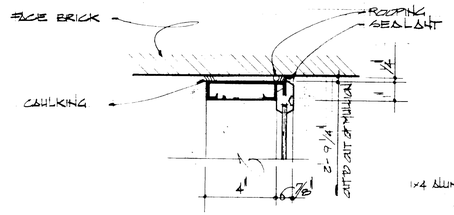
PCIP PKG.	SHEET
	21
	OF 40



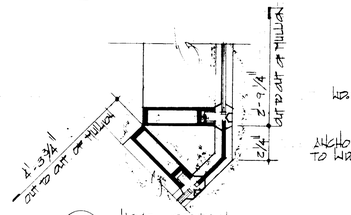
PLAN
SCALE: 1/4 = 1'-0"



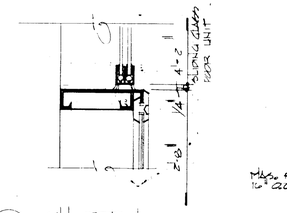
NORTH ELEVATION
SCALE: 1/4 = 1'-0"



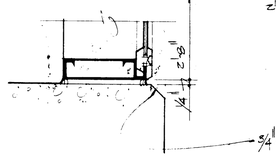
A A-13 JAMB
SCALE: 3" = 1'-0"



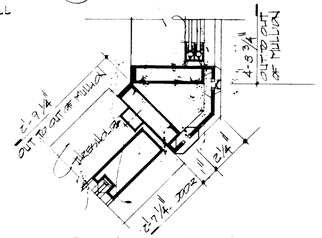
B A-13 JAMB DETAIL
SCALE: 3" = 1'-0"



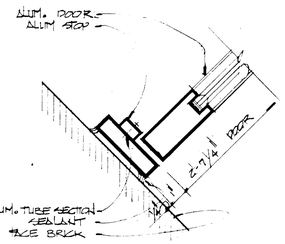
C A-13 SILL DETAIL
SCALE: 3" = 1'-0"



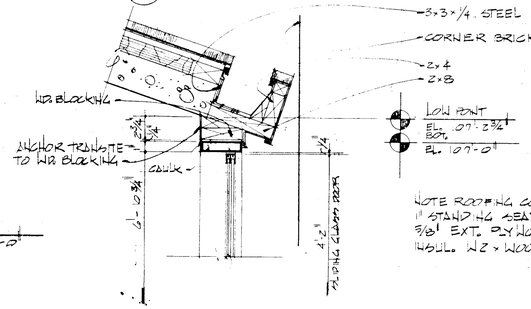
D A-13
SCALE: 3" = 1'-0"



E A-13 JAMB DETAIL
SCALE: 3" = 1'-0"

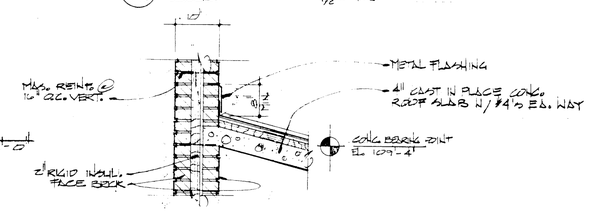


F A-13 JAMB DETAIL
SCALE: 3" = 1'-0"

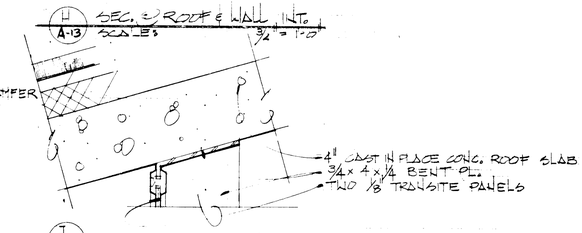


NOTE ROOFING CONSTRUCTION TO BE 1" STANDING SEAM MET. ROOFING OVER 5/8" EXT. PLYWOOD OVER 1 1/2" RIGID INSUL. W/ 2x WOOD STRINGERS.

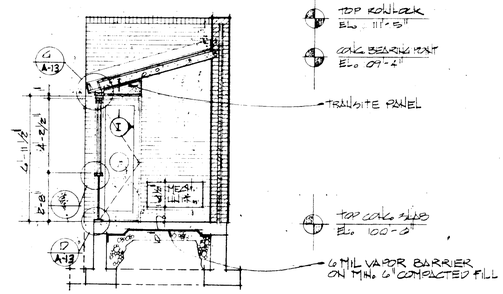
G A-13 SECTION @ GUTTER
SCALE: 1/2" = 1'-0"



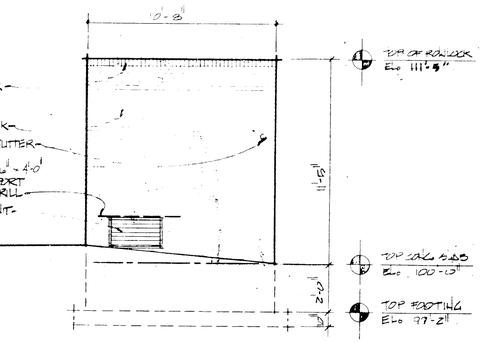
H A-13 SEC. @ ROOF & WALL INT.
SCALE: 3/4" = 1'-0"



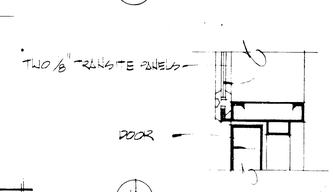
I A-13
SCALE: 3" = 1'-0"



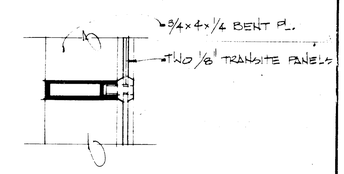
J A-13 SECTION
SCALE: 1/4" = 1'-0"



EAST AND WEST ELEVATIONS
SCALE: 1/4 = 1'-0"



J A-13
SCALE: 3" = 1'-0"



K A-13
SCALE: 3" = 1'-0"

A - 13 TICKET COLLECTION BOOTH PLAN AND ELEVATIONS

DRAWING NO.
449
41,001A

PCIP PKG.	SHEET
	22
	OF 40

FOOTING SCHEDULE

MARK	SIZE LENGTH - WIDTH - THICKNESS	REINFORCEMENT
(A)	4'-6" x 4'-6" x 1'-0"	3-#6 EACH WAY
(B)	5'-6" x 5'-6" x 1'-0"	6-#6 EACH WAY
(C)	7'-6" x 7'-6" x 1'-2"	7-#7 EACH WAY

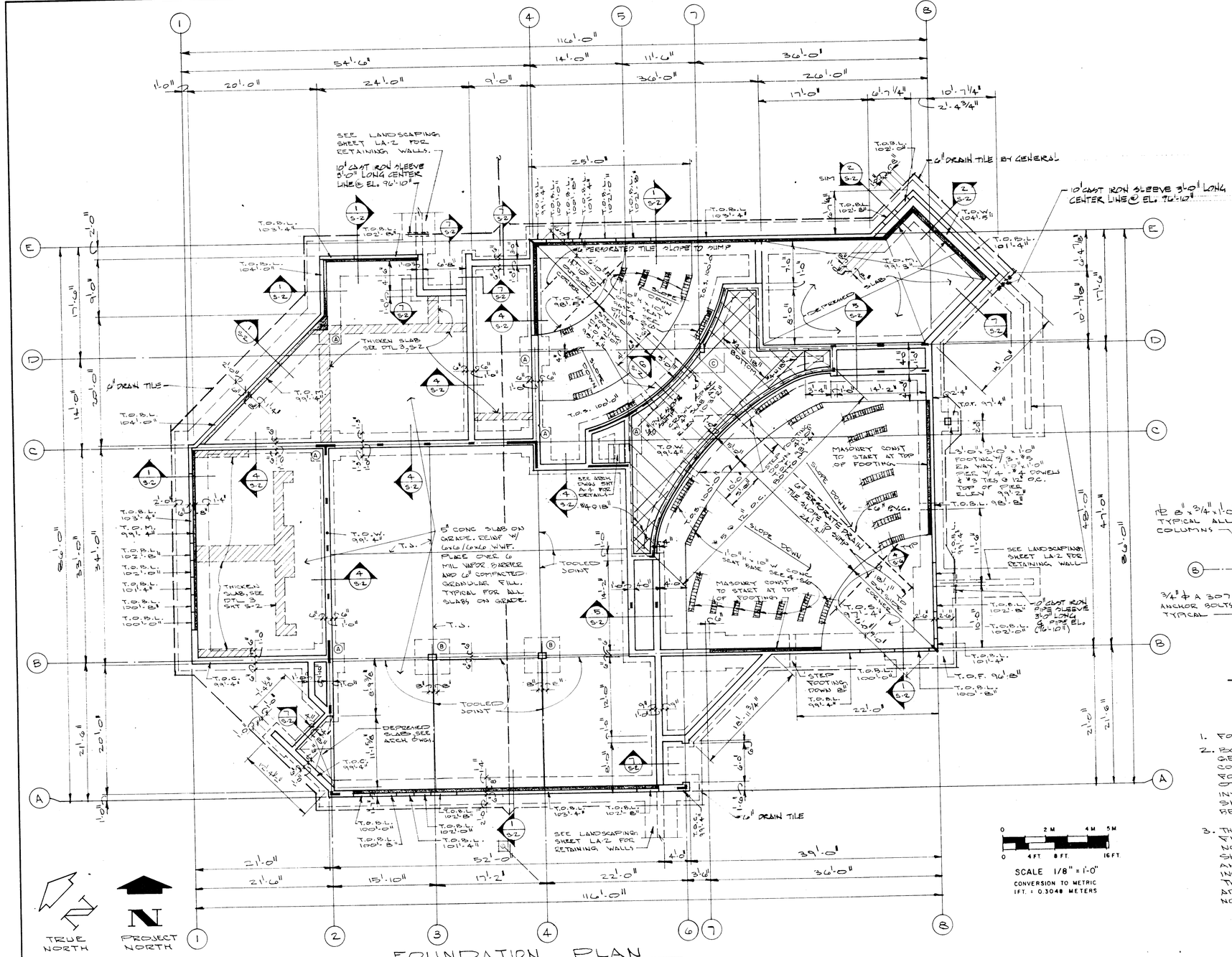
GENERAL NOTES

INDICATES PLAN VIEW OF REINFORCED CONCRETE

INDICATES PLAN VIEW OF MASONRY

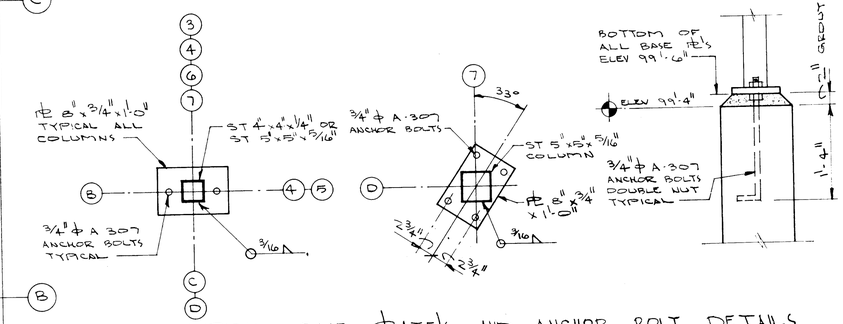
INDICATES PLAN VIEW OF REINFORCED MASONRY

1. SOIL BEARING PRESSURE 1500 P.S.F.
2. T.O.F. = TOP OF FOOTING ELEV 97'-4" UNLESS NOTED OTHERWISE.
3. T.O.S. = TOP OF SLAB ELEV 100'-0" UNLESS NOTED OTHERWISE.
4. T.O.M. = TOP ELEV OF MASONRY.
5. T.O.B.L. = TOP ELEV OF BRICK LEDGE.
6. T.O.C. = TOP ELEV. OF CONC. FOUNDATION WALL 99'-4" UNLESS SHOWN OTHERWISE.
7. P.G.C. = PEA GRAVEL CONCRETE FILL SEE SPECIFICATION.
8. T.J. TOOLED JOINT TO CONTROL SHRINKAGE CRACKS.



FOUNDATION PLAN

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



TYPICAL BASE PLATE'S AND ANCHOR BOLT DETAILS

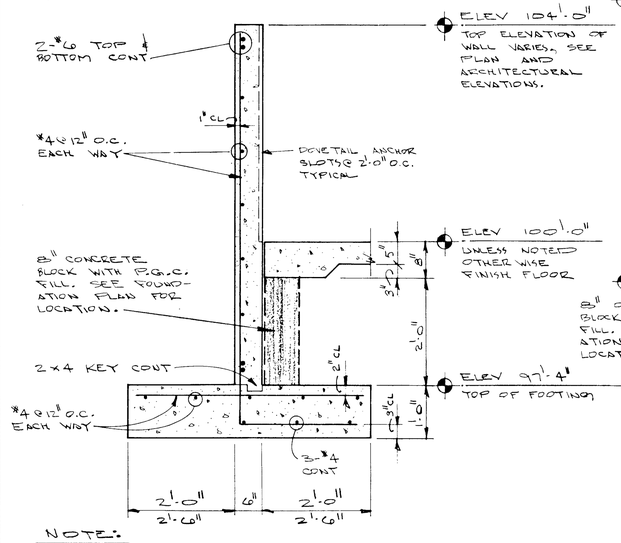
SCALE: 1" = 1'-0"

FOUNDATION CONSTRUCTION NOTES

1. FOOTING DESIGN BEARING PRESSURE = 1500 PSF
2. BORINGS SHOWN ON SHEET W-2 ARE ONLY FOR GENERAL INFORMATION OF THE CONTRACTORS. THE CONTRACTING OFFICER ASSUMES NO RESPONSIBILITY FOR SAID CONDITIONS AT LOCATIONS OR DEPTH'S OTHER THAN THOSE SHOWN. ANY FURTHER SOILS INVESTIGATIONS DESIRED BY THE CONTRACTORS SHALL BE OBTAINED BY THAT CONTRACTOR AND SHALL BE AT NO ADDITIONAL COST TO THE GOVERNMENT.
3. THE CONTRACTOR SHALL PERFORM HIS MASS AND FINAL EXCAVATION WITH EQUIPMENT THAT DOES NOT RUN IN THE EXCAVATION. IE (BACKHOE, CLAM SHELL OR DRAG LINE). EXCESS PEDESTRIAN AND LIGHT EQUIPMENT TRAFFIC MAY CAUSE AN INCREASINGLY SOFT CONDITION TO DEVELOP IN THE EXCAVATION SURFACE. NECESSITATING ADDITIONAL MATERIALS AND OPERATIONS ALL AT NO ADDITIONAL COST TO THE GOVERNMENT.

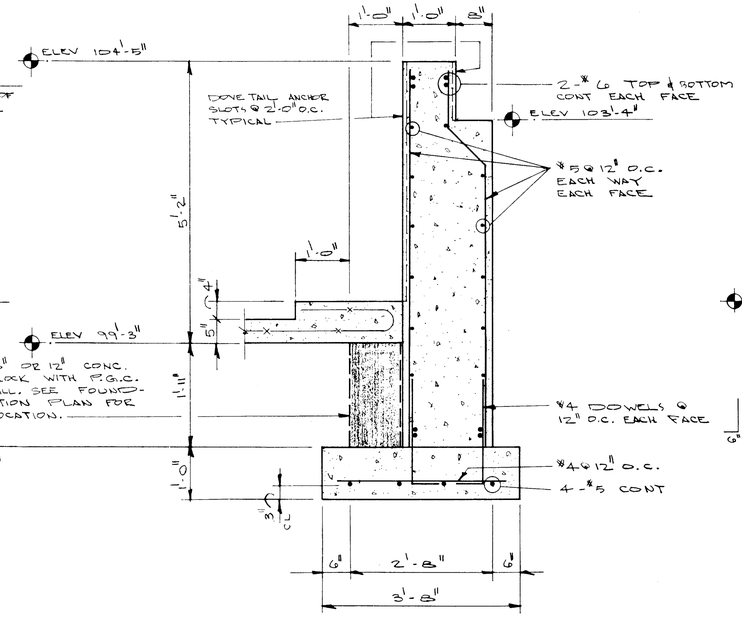
S-1 FOUNDATION PLAN

DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET
	23
	OF 40

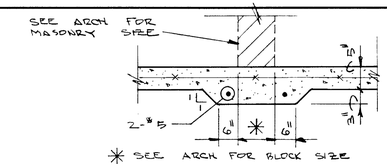


NOTE:
LOCATION OF VERTICAL REINF IN WALL IS CRITICAL AND MUST BE TIED AND HELD SECURELY IN CORRECT LOCATION AS CONCRETE IS CAST.

1 / S-2 TYPICAL EXTERIOR FOUNDATION WALL
SCALE: 3/4" = 1'-0"

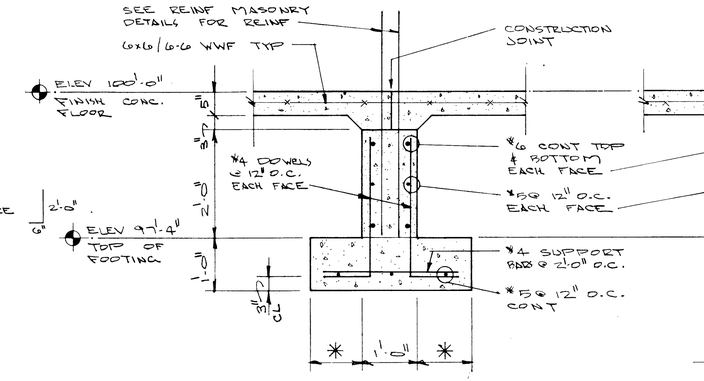


2 / S-2 FOUNDATION WALL AT VESTIBULE
SCALE: 3/4" = 1'-0"



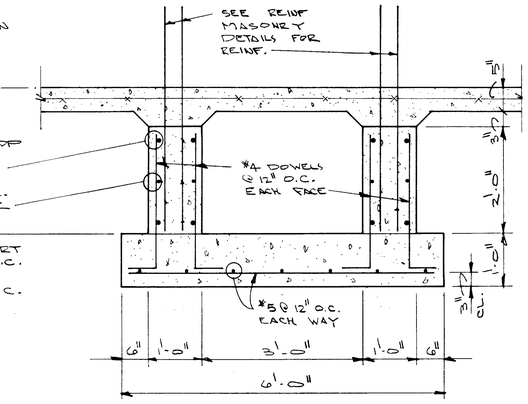
* SEE ARCH FOR BLOCK SIZE

3 / S-2 THICKEN SLAB DETAIL
SCALE: 3/4" = 1'-0"

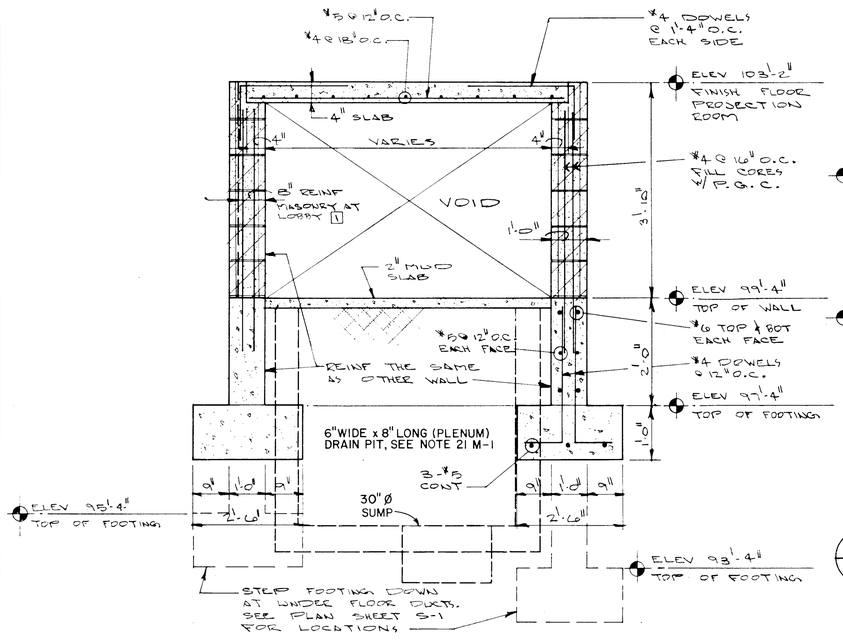


* SEE PLAN FOR FOOTING WIDTH

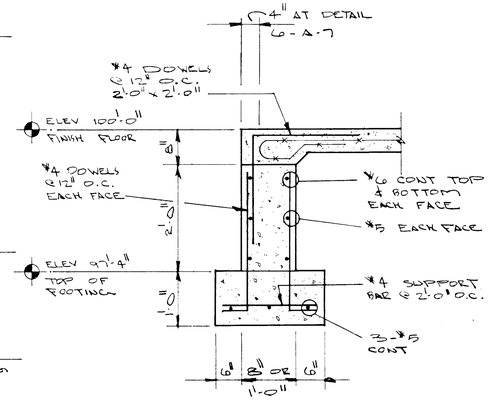
4 / S-2 TYPICAL INTERIOR FOUNDATION WALL
SCALE: 3/4" = 1'-0"



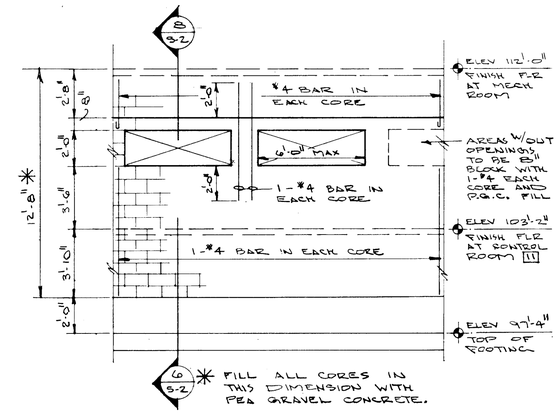
5 / S-2 INTERIOR FOUNDATION AT DOORS 16, 17, 18, 19
SCALE: 3/4" = 1'-0"



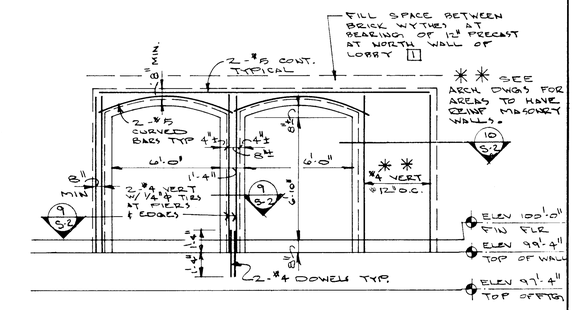
6 / S-2 SECTION THRU PROJECTION ROOM
SCALE: NOT TO SCALE



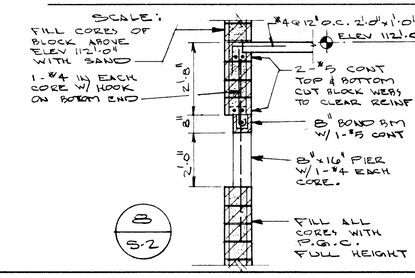
7 / S-2 TYPICAL FOUNDATION WALL AT DOORS
SCALE: 3/4" = 1'-0"

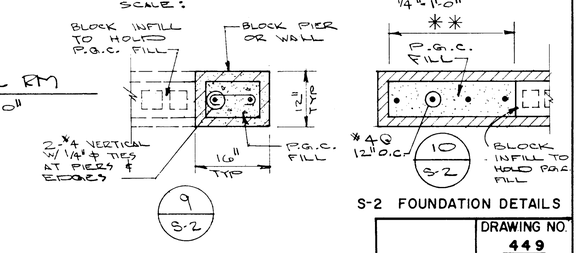


ELEVATION OF REINF MASONRY @ CONTROL RM
SCALE: 1/4" = 1'-0"



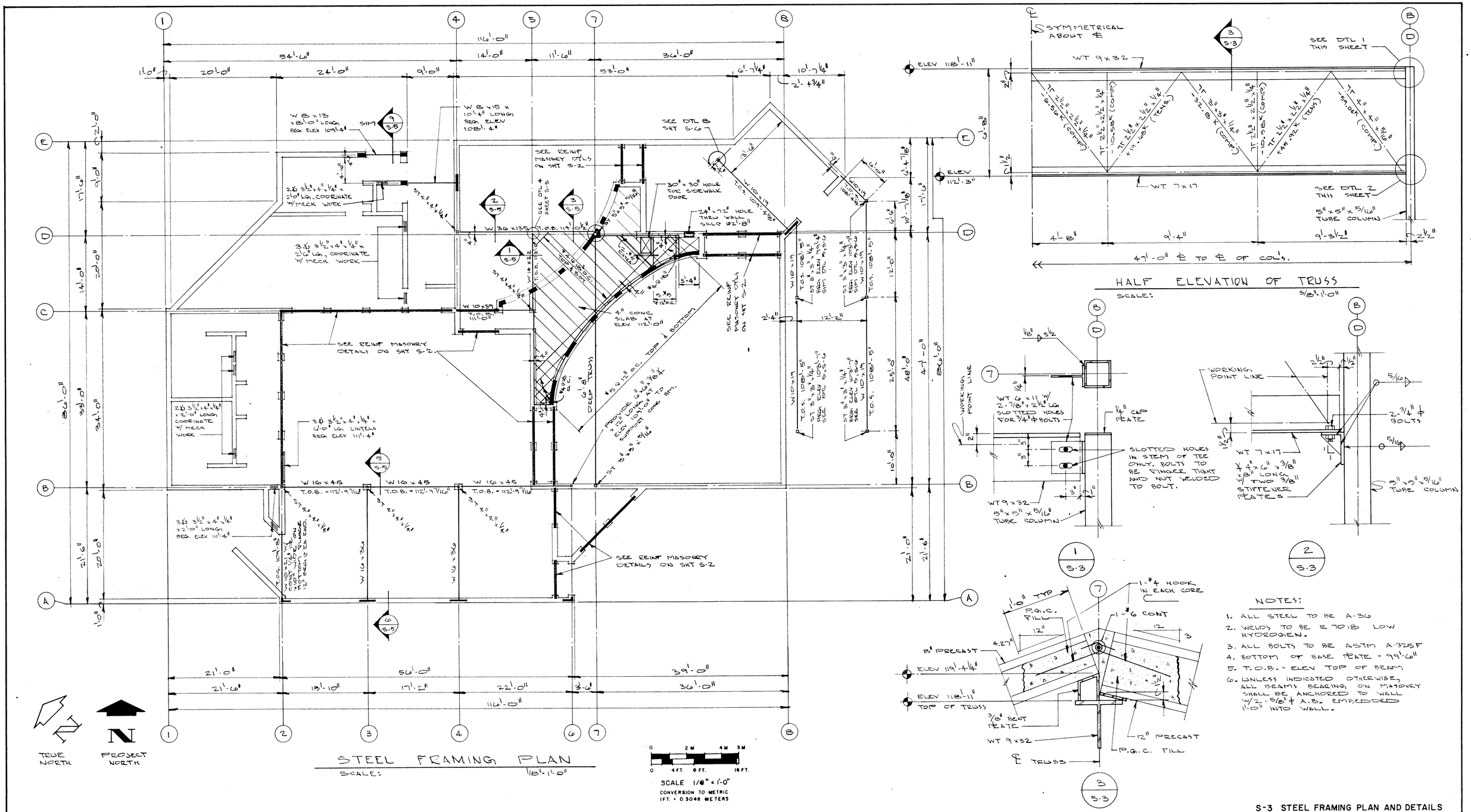
TYP. MASONRY ARCH REINF
SCALE: 1/4" = 1'-0"





S-2 FOUNDATION DETAILS

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET
	24
	OF 40

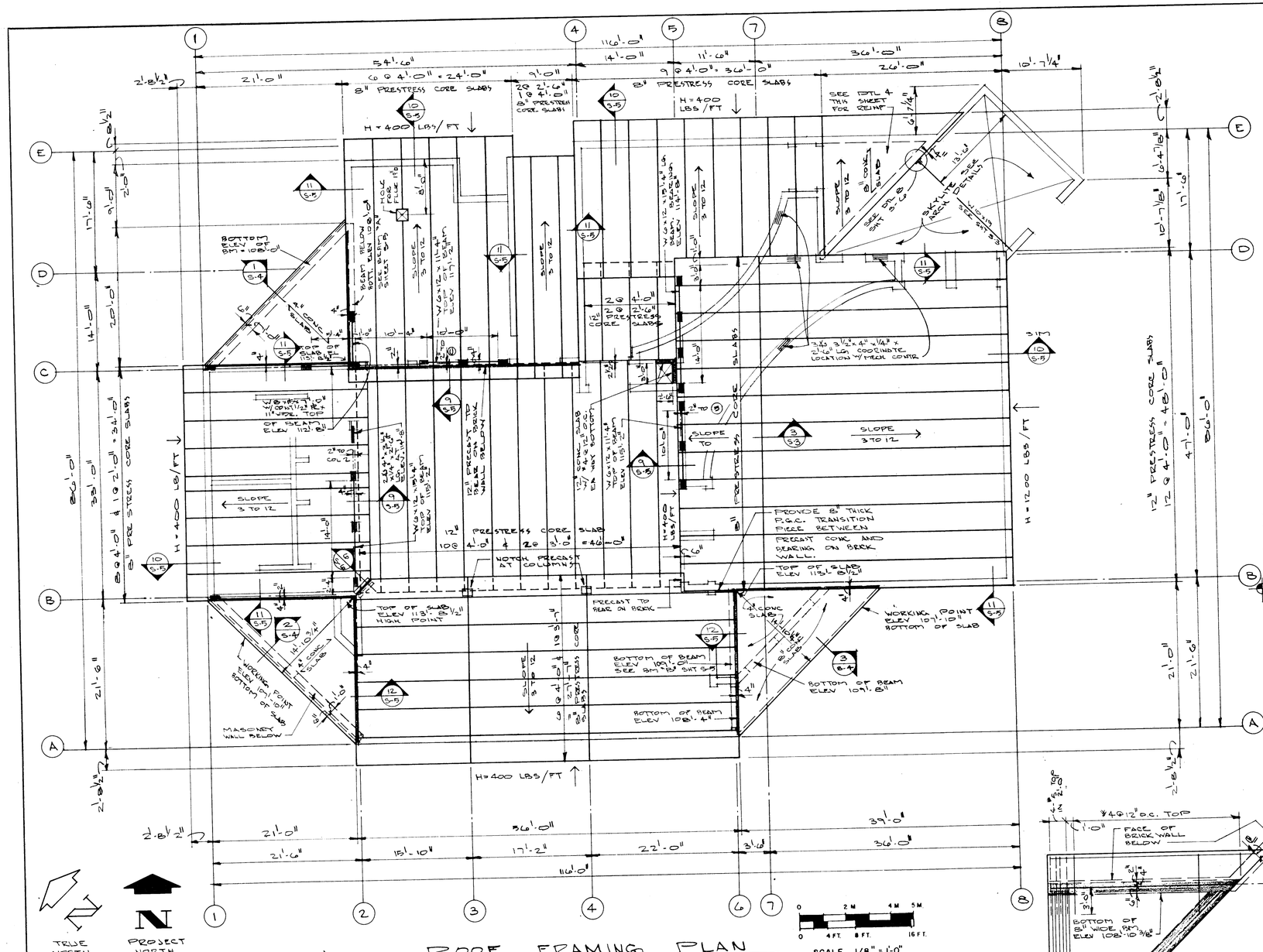


NOTES:

1. ALL STEEL TO BE A-36
2. WELDS TO BE E 70 18 LOW HYDROGEN.
3. ALL BOLTS TO BE ASTM A-325F
4. BOTTOM OF BASE PLATE = 99'-6"
5. T.O.B. = ELEV TOP OF BEAM
6. UNLESS INDICATED OTHERWISE, ALL BEAMS BEARING ON MASONRY SHALL BE ANCHORED TO WALL W/ 2 - 5/8" ϕ A.B. EMBEDDED 1'-0" INTO WALL.

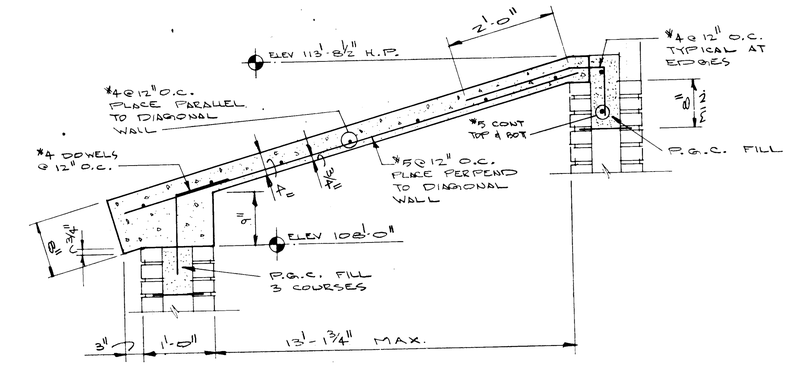
S-3 STEEL FRAMING PLAN AND DETAILS

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET 25 OF 40



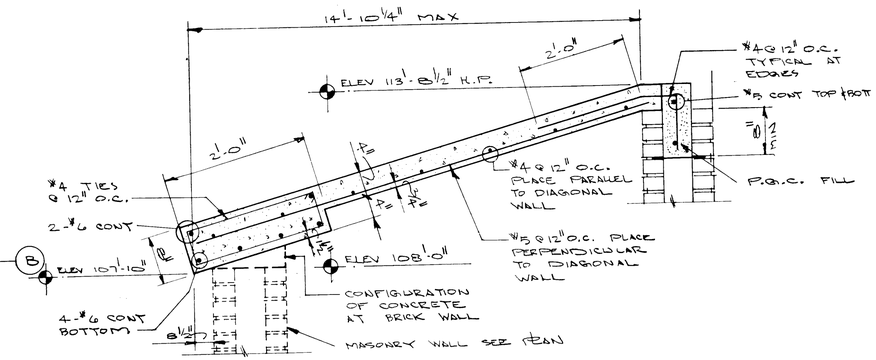
ROOF FRAMING PLAN

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



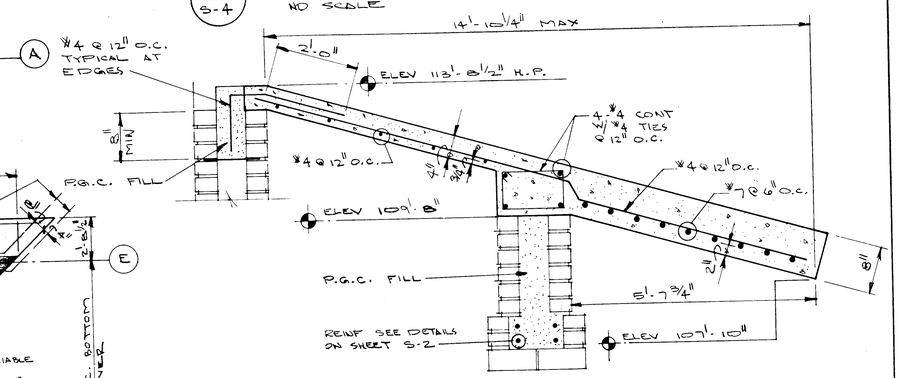
1 / S-4 SECTION THRU ROOF SLAB

NO SCALE



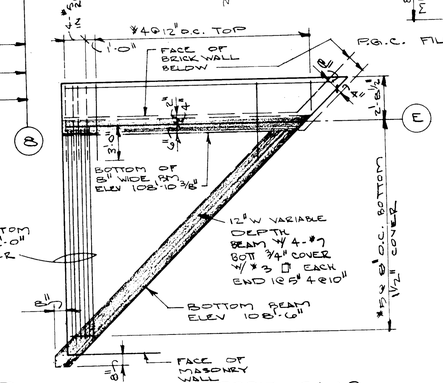
2 / S-4 SECTION THRU ROOF SLAB

NO SCALE



3 / S-4 SECTION THRU ROOF SLAB

NO SCALE



4 / S-4 PLAN OF ROOF SLAB

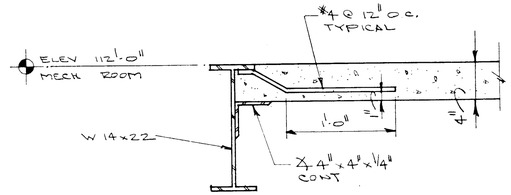
NO SCALE

NOTES FOR ROOF FRAMING

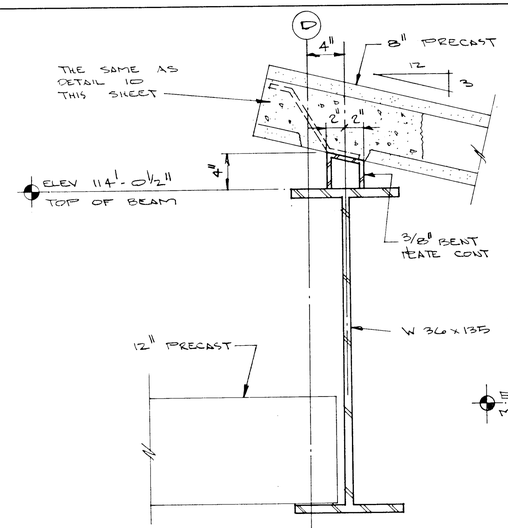
1. ROOF FRAMING DESIGNED TO SUPPORT WEIGHT OF ALL CONSTRUCTION AND LIVE LOAD OF 25 PSF (HORIZONTAL PROJECTION.)
2. H = HORIZONTAL FORCE IN POUNDS PER LINEAL FOOT OF WALL IMPARTED BY INCLINED PRECAST CONCRETE PLANKS. CONTRACTOR TO PROVIDE TEMPORARY SHORING TO RESIST THESE FORCES DURING ERECTION. SHORING TO REMAIN IN PLACE UNTIL ALL UNITS ARE GROUTED OR WELDED TO SUPPORTS AND EACH OTHER.
3. TOTAL H FORCE ALONG WALLS TO BE TRANSFERRED TO END WALLS BY DIAPHRAM ACTION OF PLANKS. SUPPLIER OF PLANKS TO PROVIDE CALCULATIONS AND DETAILS ILLUSTRATING CONNECTIONS OF PLANKS TO EACH OTHER AND TO SLOPING END WALLS.

S-4 ROOF FRAMING PLAN AND DETAILS

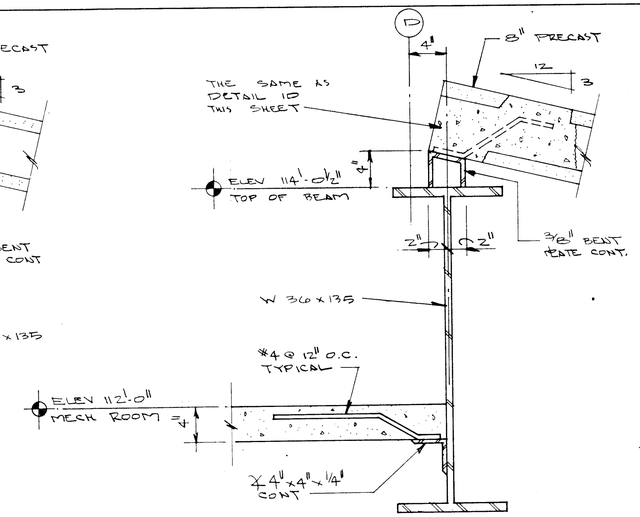
DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET 26 OF 40



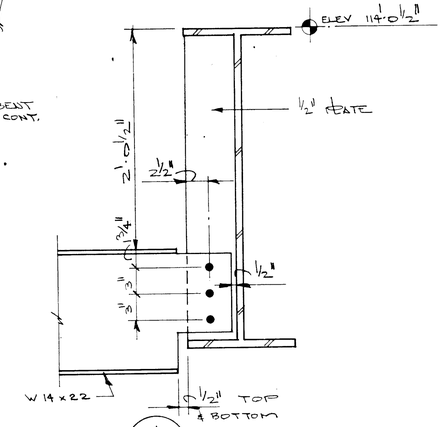
1 / S-5



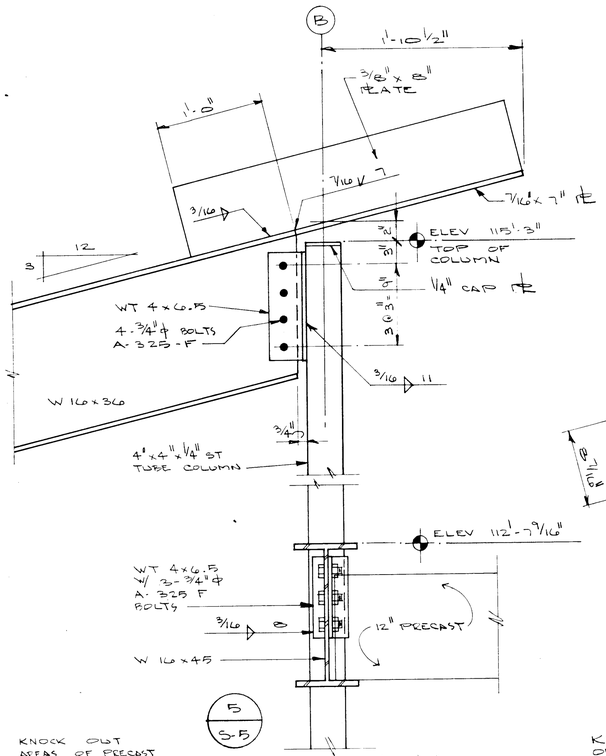
2 / S-5



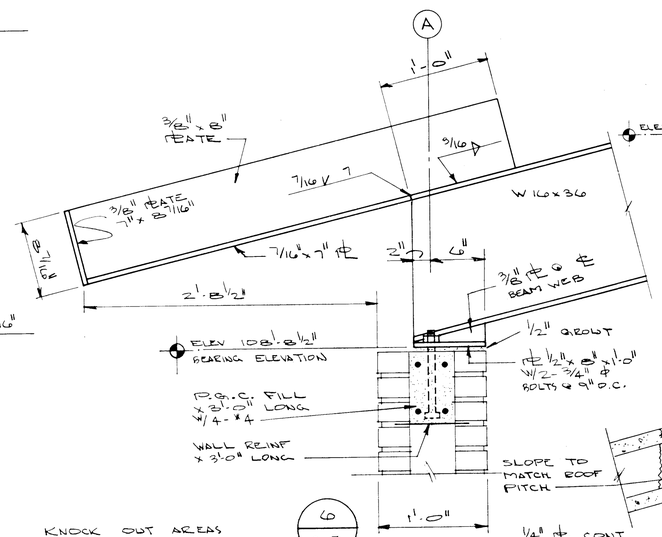
3 / S-5



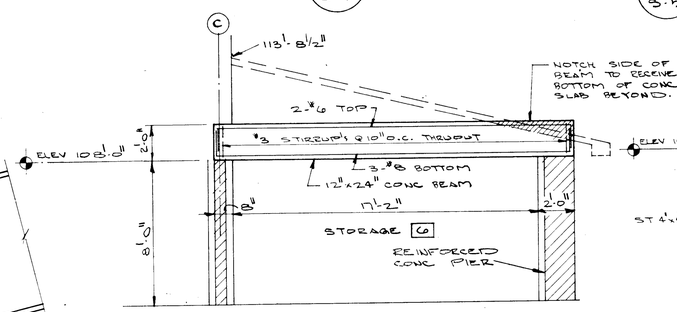
4 / S-5



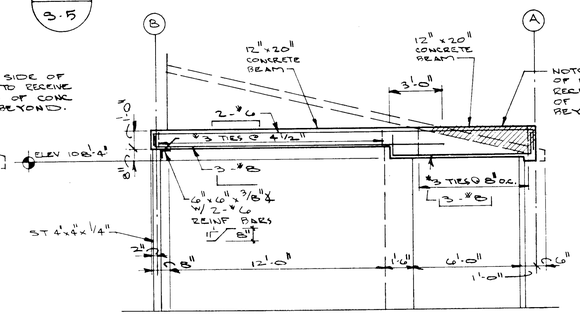
5 / S-5



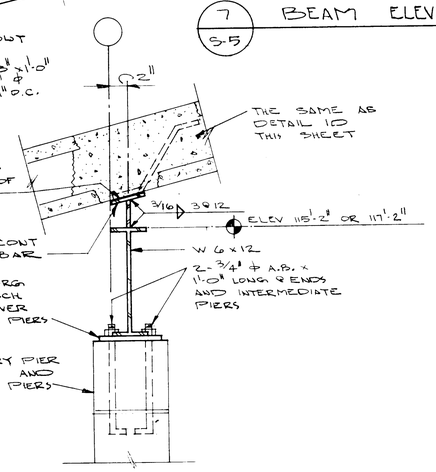
6 / S-5



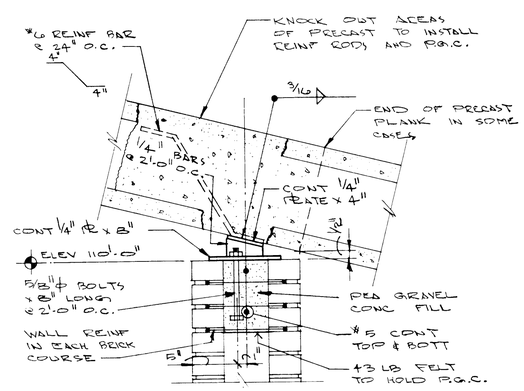
7 / S-5 BEAM ELEVATION "A"



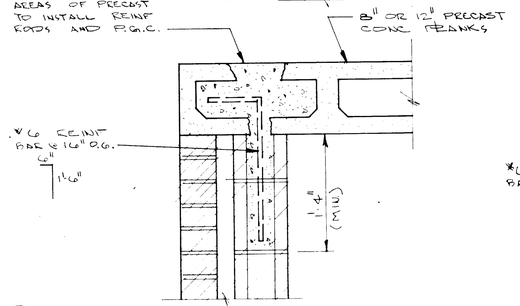
8 / S-5 BEAM ELEVATION "B"



9 / S-5 TYP LINTEL SUPPORTING PRECAST

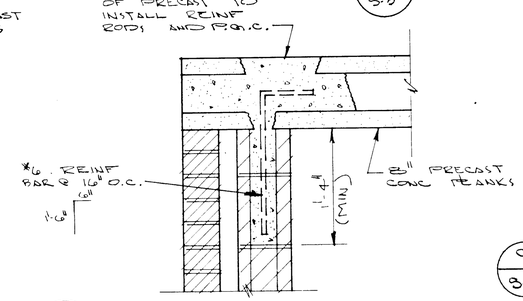


10 / S-5 TYPICAL ANCHORAGE OF PRECAST TO BEARING WALL



11 / S-5 ANCHORAGE OF PRECAST TO SIDEWALLS

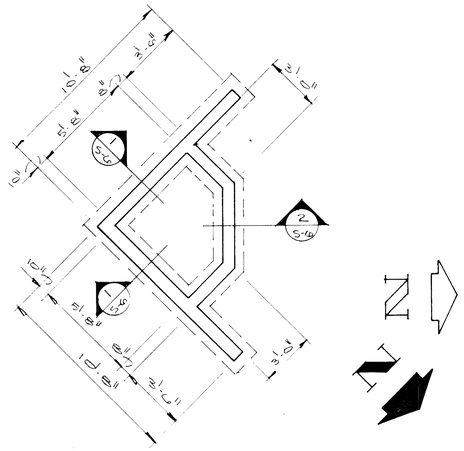
SCALE: 1 1/2" = 1'-0"



12 / S-5 ANCHORAGE OF PRECAST TO SIDEWALLS AT LOBBY

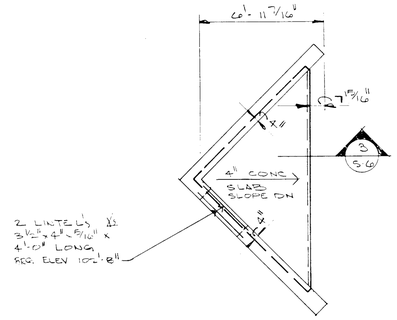
S-5 MISCELLANEOUS DETAILS

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET
	27
	OF 40



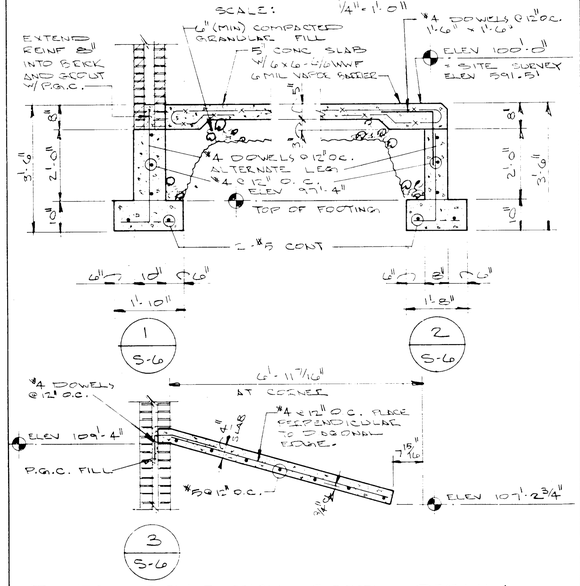
FOUNDATION PLAN

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

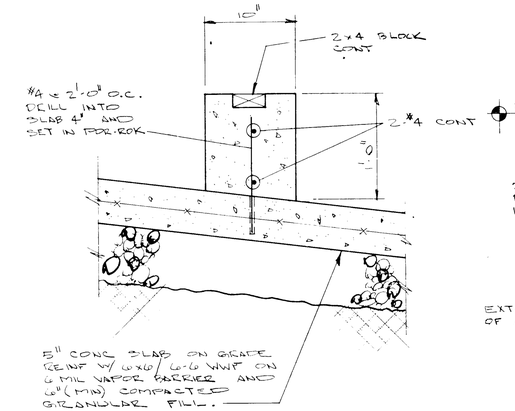


ROOF PLAN

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

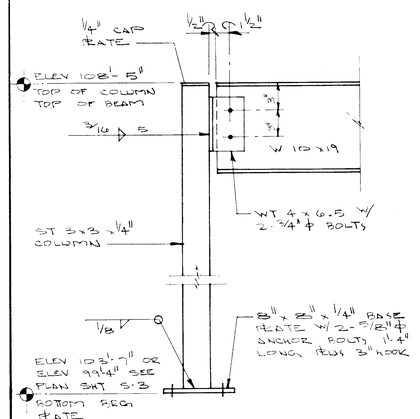


TICKET COLLECTION BOOTH DETAILS



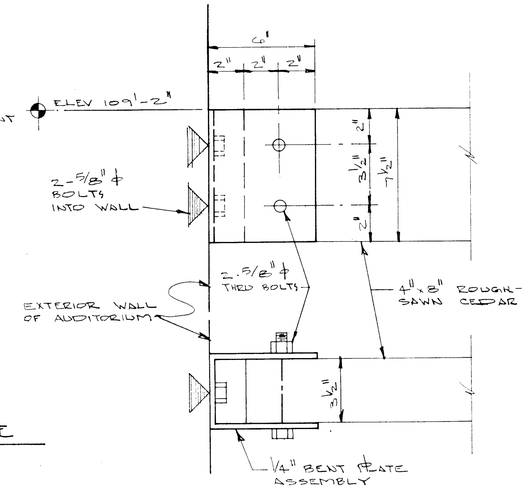
4 / S-6 TYP AUDIT. CONC SEAT BASE

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



5 / S-6 BEAM & COLUMN AT TRELLIS

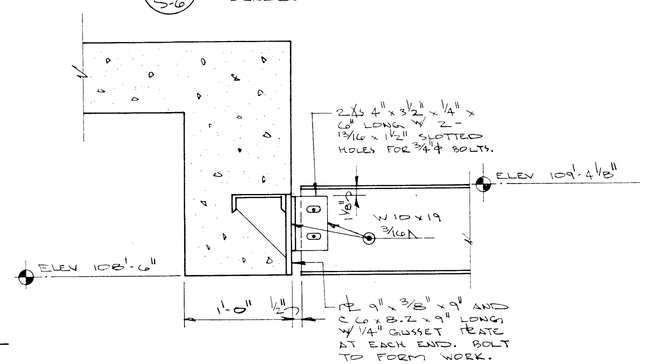
SCALE: 1" = 1'-0"



NOTE:
SEE ARCHITECTURAL LOCATION AND NUMBER REQ'D.

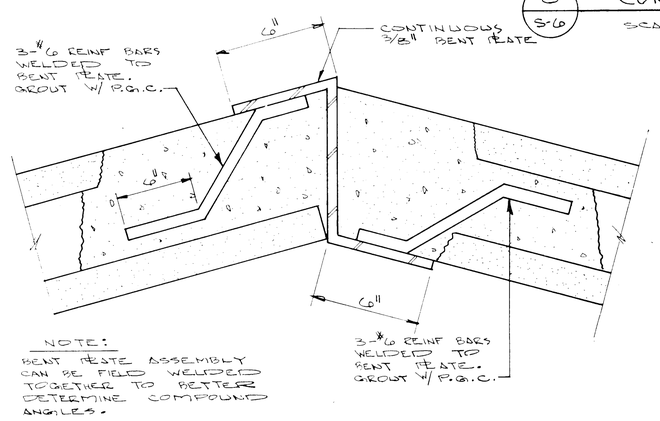
7 / S-6 TRELLIS ANCHOR DETAIL

SCALE: 3" = 1'-0"



8 / S-6 CONNECTION DETAIL

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



NOTE:
BENT PLATE ASSEMBLY CAN BE FIELD WELDED TOGETHER TO BETTER DETERMINE COMPOUND ANGLES.

6 / S-6 SECTION THRU MITERED ROOF INTERSECTION

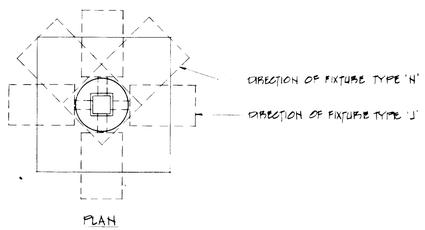
SCALE: 3" = 1'-0"

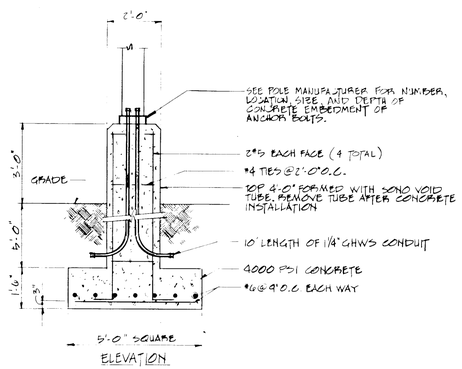
S-6 TICKET COLLECTION BOOTH

DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET
	28
	OF 40

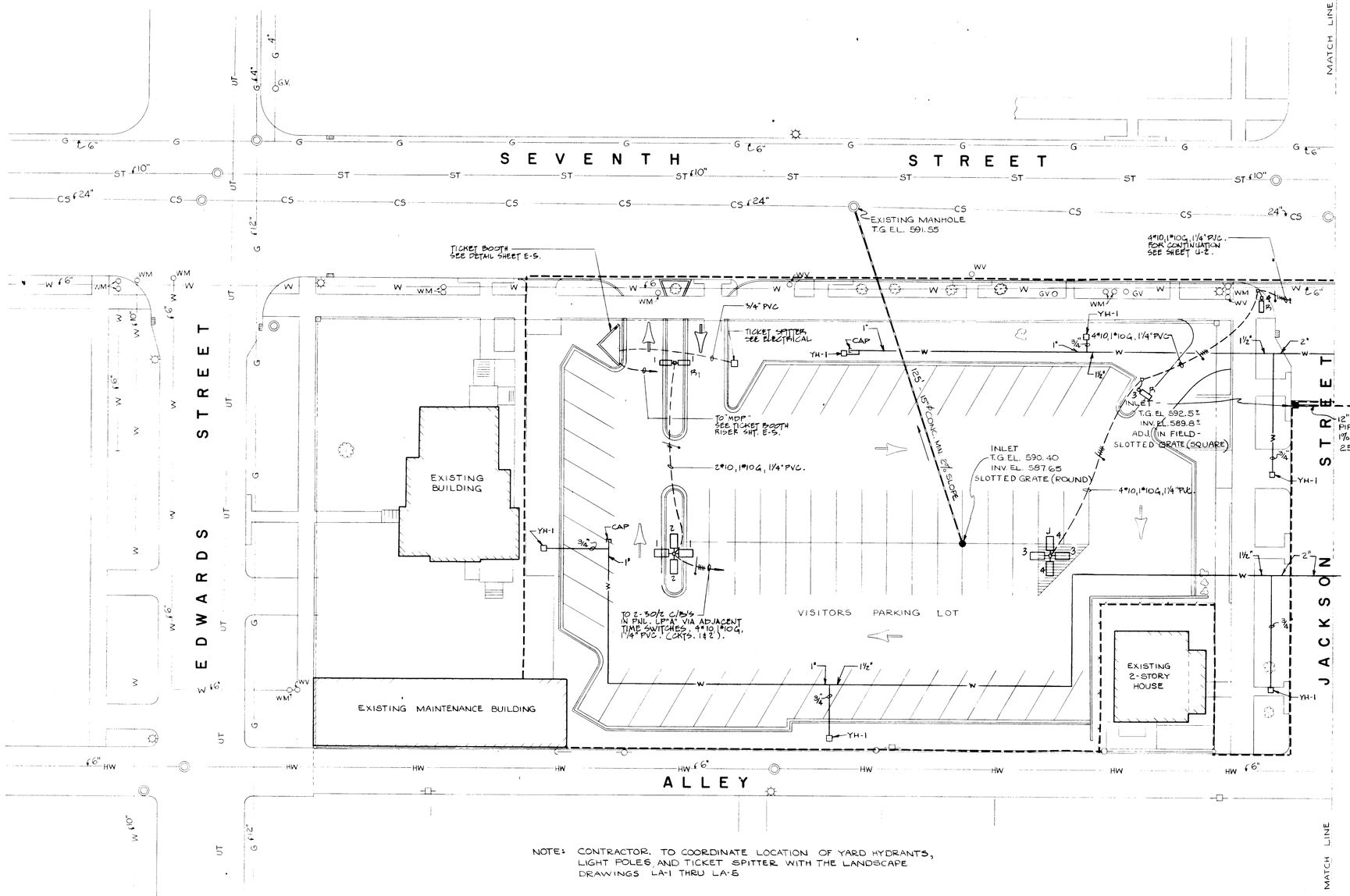
LEGEND

E 4"	ELECTRIC - (BURIED)
W 6"	WATER MAIN - SIZE
G 2"	GAS MAIN - SIZE
CS 24"	COMBINATION SEWER - SIZE
ST 12"	STEAM MAIN - SIZE
HW 6"	HOT WATER MAIN - SIZE
UT	UNDERGROUND TELEPHONE (BURIED)
	FIRE HYDRANT
WM	WATER METER
WV	WATER VALVE
	MANHOLE
	POWER POLE
	TELEPHONE POLE
	GUY OR ANCHOR POLE
	STREET LIGHT
	INLET
	TREE - SIZE & TYPE
	MATCH LINE BETWEEN SHEETS
	PROPERTY LINE
	EXISTING STRUCTURE
YH	YARD HYDRANT
	DRINKING FOUNTAIN
	PROPOSED STORM SEWER
	PROPOSED MANHOLE
	PROPOSED INLET
	PROPOSED INLET (MODIFIED FOR TRENCH DRAINS)





TYPICAL DETAIL OF FIXTURE TYPES 'H' AND 'J' INSTALLATION
SCALE: 3/8" = 1'-0"

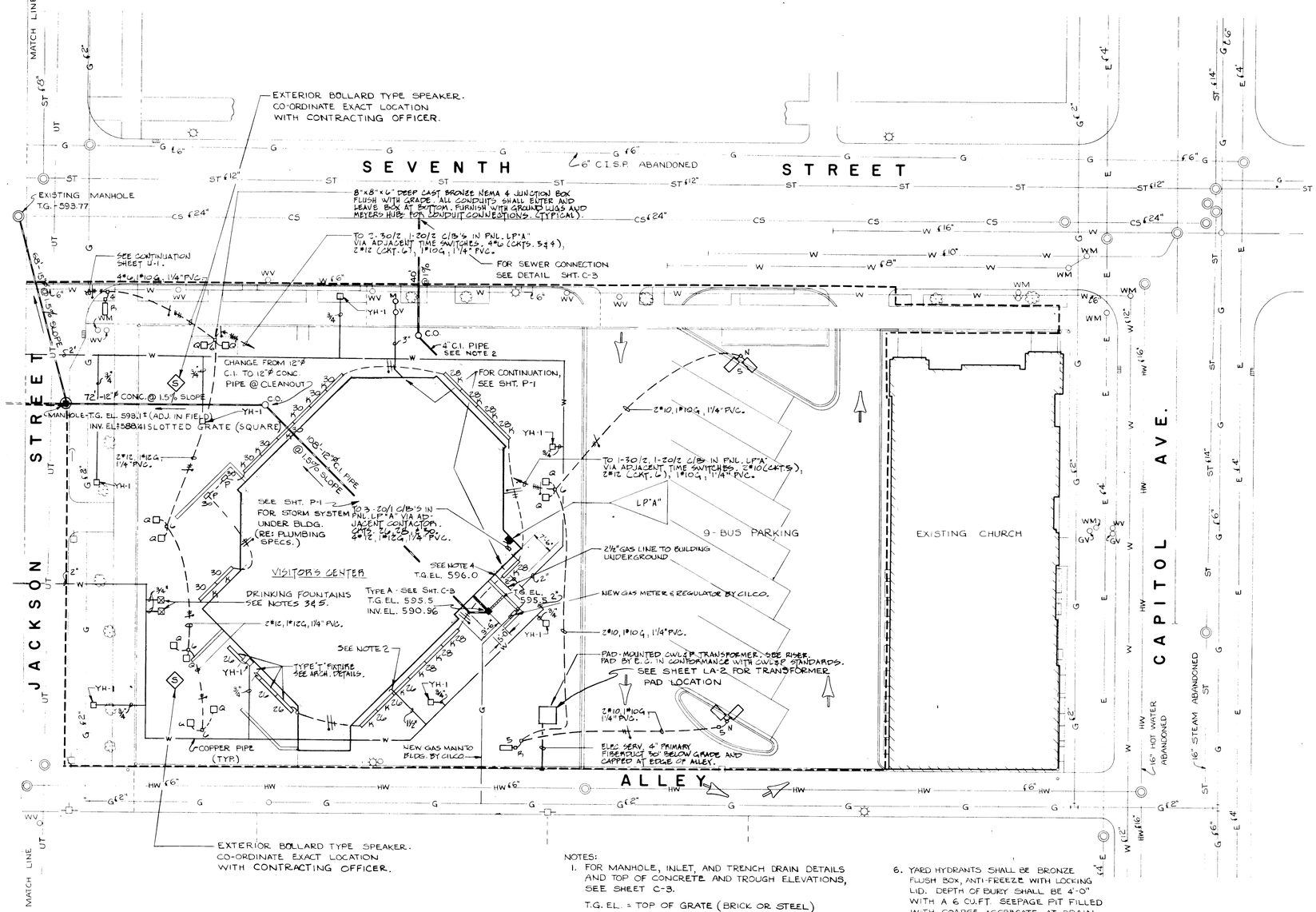


NOTE: CONTRACTOR. TO COORDINATE LOCATION OF YARD HYDRANTS, LIGHT POLES AND TICKET SPITTER WITH THE LANDSCAPE DRAWINGS LA-1 THRU LA-5

0 6.0 M. 12.0 M.
0 20 FT. 40 FT.
SCALE: 1" = 20'
CONVERSION TO METRIC
1 FT. = 0.3048 METERS

U-1 UTILITY PLAN

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET 29 OF 40



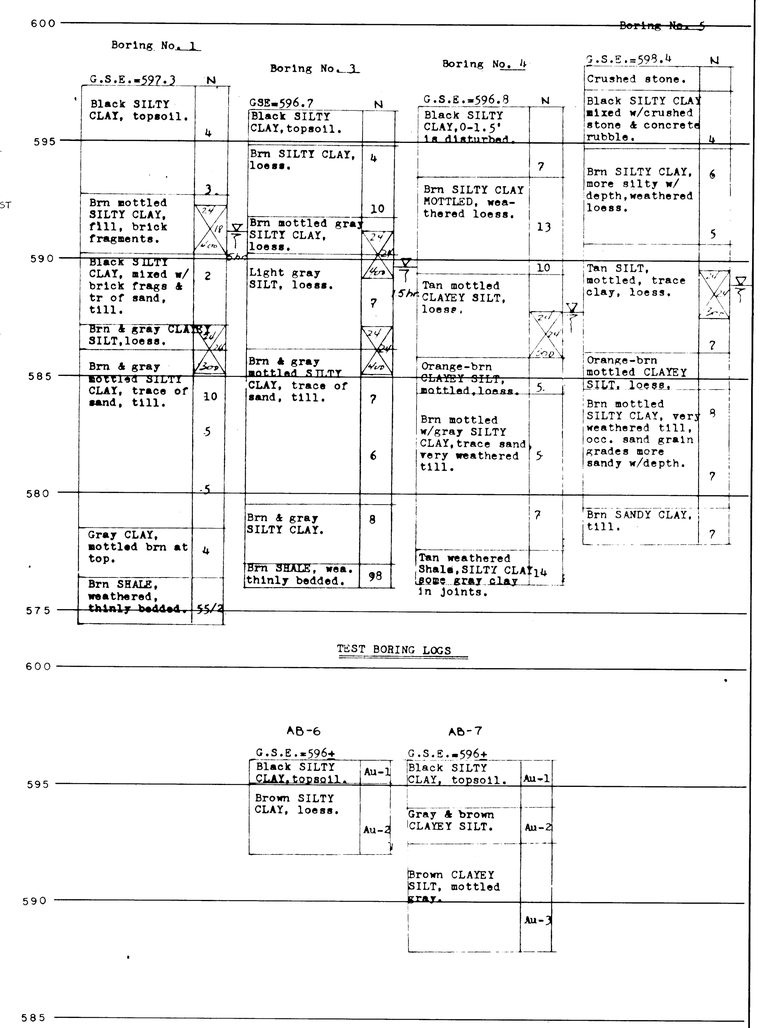
NOTES:

1. FOR MANHOLE, INLET, AND TRENCH DRAIN DETAILS AND TOP OF CONCRETE AND TROUGH ELEVATIONS, SEE SHEET C-3.

   T.G. EL. = TOP OF GRATE (BRICK OR STEEL)
2. FOR CONTINUATION SEE SHT. P-1
3. COORDINATE LOCATION OF YARD HYDRANTS AND WATER FOUNTAINS WITH LANDSCAPING.
4. FOR CONTINUATION SEE SHEET M-1.
5. PROVIDE A 2'-0" X 2'-0" DEEP SEEPAGE PIT FILLED WITH COARSE AGGREGATE FOR EACH DRINKING FOUNTAIN'S ANTI-FREEZE VALVE UNDER PLUMBING WORK.
6. YARD HYDRANTS SHALL BE BRONZE FLUSH BOX, ANTI-FREEZE WITH LOCKING LID. DEPTH OF BURY SHALL BE 4'-0" WITH A 6 CU.FT. SEEPAGE PIT FILLED WITH COARSE AGGREGATE AT DRAIN BACK LEVEL. HYDRANT SHALL BE MODEL M-577 BY MURDOCK OR APPROVED ALTERNATE. HYDRANTS SHALL BE PROVIDED UNDER PLUMBING WORK.

0 6.0 M. 12.0 M.
0 20 FT. 40 FT
SCALE: 1" = 20'
CONVERSION TO METRIC
1 FT. = 0.3048 METERS

TEST BORING LOGS



TEST BORING LOGS

U-2 UTILITY PLAN

DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET
	30
	OF 40

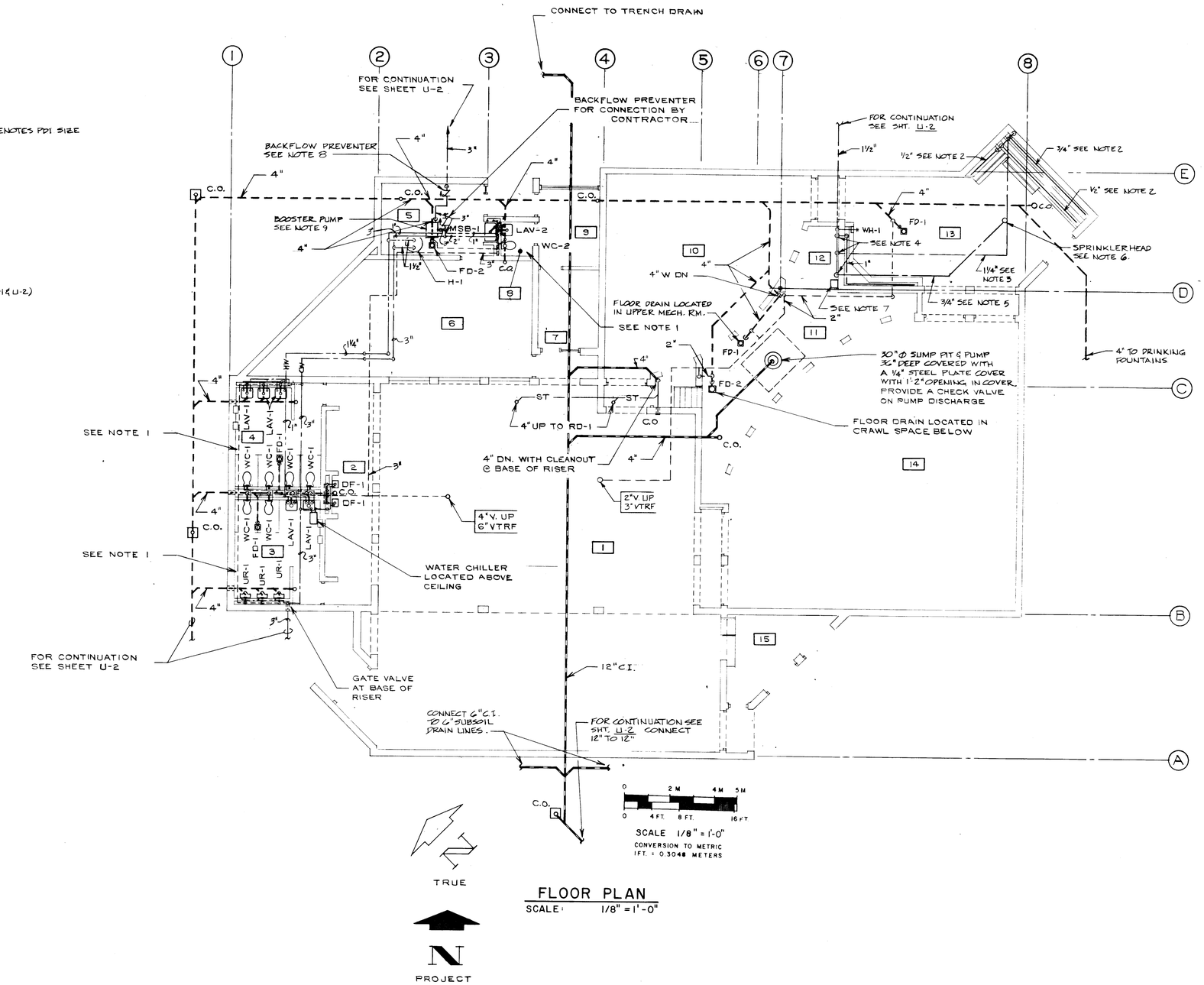
LEGEND

	COLD WATER
	HOT WATER
	SOIL, SEWER, OR WASTE (BURIED)
	SOIL, SEWER, OR WASTE (AFF)
	VENT LINE
	STORM SEWER (BURIED)
ST	STORM SEWER (AFF)
4" V / 6" VTRF	4" VENT RISER / 6" VENT THRU ROOF & FLASH
	FLOOR DRAIN
C.O. C.O.	CLEAN OUT
	GATE VALVE
	CHECK VALVE
	DIRECTION OF DOWNWARD PITCH
	SLEEVE THRU WALL
	CONCENTRIC REDUCER
	RECESSED BOX WALL HYDRANT

A	SHOCK ABSORBER - LETTER DENOTES PDI SIZE
1	ROOM NUMBERS
WC	WATER CLOSET
UR	URINAL
LAV	LAVATORY
DF	DRINKING FOUNTAIN
H	HEATER (WATER)
FD	FLOOR DRAIN
RD	ROOR DRAIN
MSB	MOP SERVICE BASIN
AFF	ABOVE FINISHED FLOOR
YH	YARD HYDRANT (SEE SHEETS U-1 & U-2)
	DRINKING FOUNTAIN

NOTES

1. For waste, vent, and water piping and pipe sizes, see Sheet P-2.
2. Perforate copper lines set in planting boxes as follows: 1/2"Ø line; 1/16"Ø holes, 12" o.c.; 3/4"Ø lines, 1/8"Ø holes, 9" o.c.; 1"Ø lines, 1/16"Ø holes, 6" o.c. Holes shall be positioned in the side at the supply end and in the bottom at the capped ends.
3. Water piping buried under slab shall be type "K" soft temper without joints. Test and inspect pipe prior to covering.
4. Provide a combination balance and shutoff valve and a 120V solenoid control valve in the three risers shown. Balance flows in each line to 1/4 GPM per foot of box and 1 GPM to the sprinkler head.
5. Secure overhead lines to underside of wood beams.
6. Sprinkler head shall spray downward and cover an area of not less than 12'-0" in diameter when measured in a plan 3'-0" below the sprinkler head. The head shall be Model #122 manufactured by SISCO or an approved alternate.
7. Provide a time switch rated for 10 amps at 120V with a manually set duration of 0-60 minutes. Provide control wiring from switch to valves. Power wiring will be done under electrical work. Switch shall be Model #60M8001 manufactured by TORK TIME CONTROLS or an equal by MARK TIME.
8. Provide a reduced backflow preventer in location shown. Unit shall have a rated capacity of 160 GPM and meet AWWA Standard C506-69. Design shall incorporate two check valves, unions, two gate valves, relief valve connection and test cocks. Extend relief valve piping full-size to floor drain. Backflow preventer shall be Model 6C-2" by Beeco Division, Hersey Inc. or approved alternate.
9. Provide an automatic booster pump in the location shown. Pump shall have a capacity of 40 GPM for a pressure increase of 15 PSI. Motor shall be 3/4 HP, 120 V/60 HZ/ 1 Ø. Pump shall be Model 35M751 by Bell & Gossett or approved alternate.



FLOOR PLAN

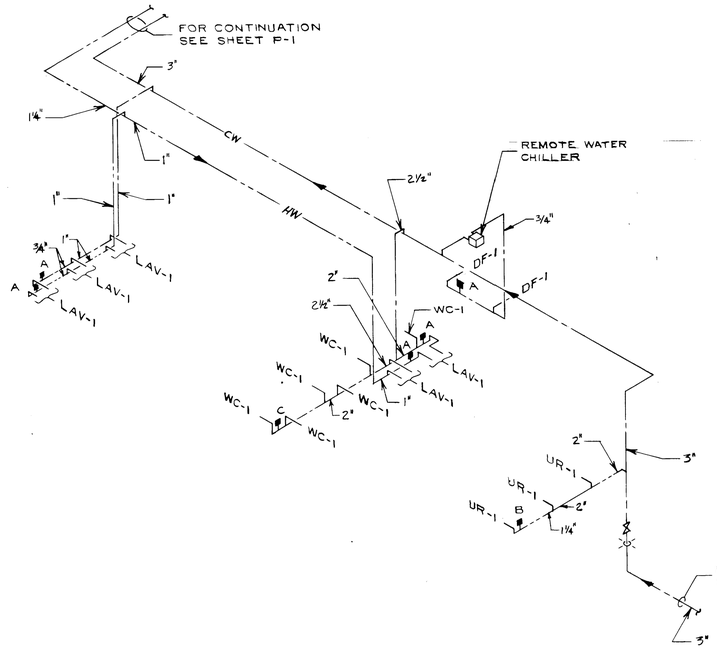
SCALE: 1/8" = 1'-0"

P-1 PLUMBING PLAN AND LEGEND

DRAWING NO. 449 41,001A

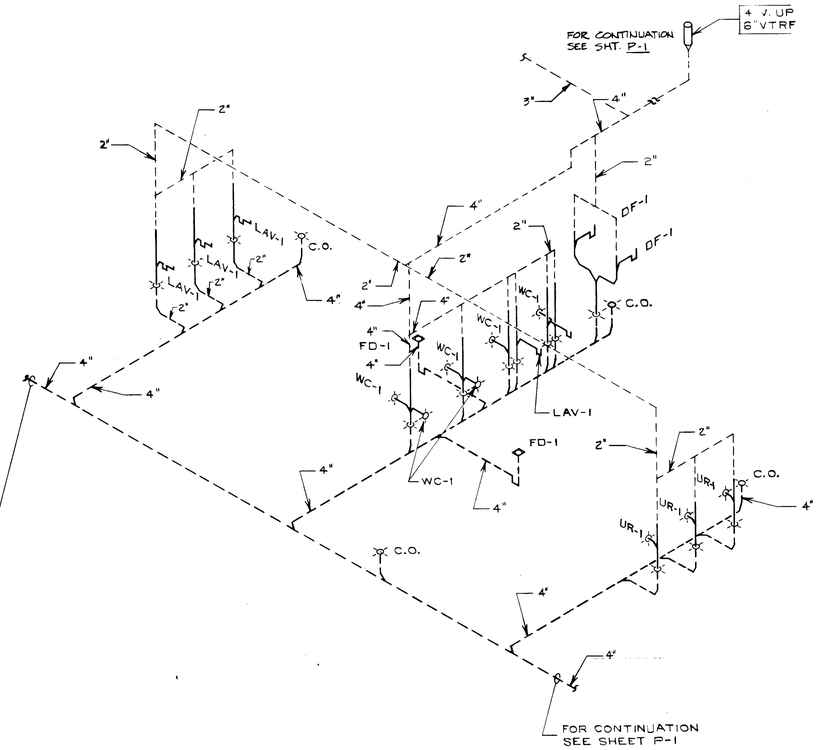
PCIP PKG.

SHEET 31 OF 40



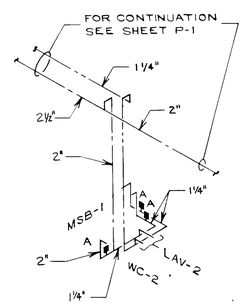
HOT & COLD WATER PIPING SCHEMATIC FOR ROOMS 2,3 & 4

N.T.S.



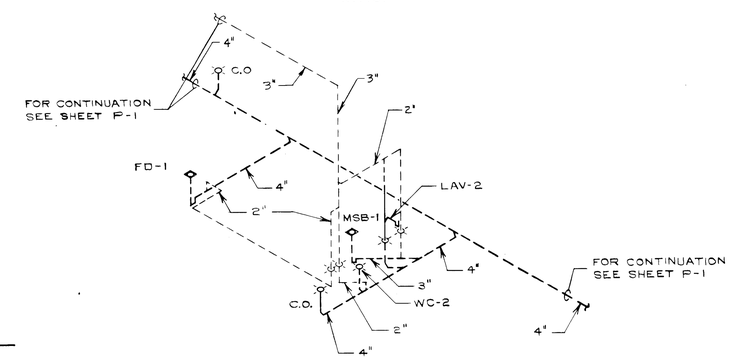
WASTE & VENT PIPING SCHEMATIC FOR ROOMS 2,3 & 4

N.T.S.



HOT & COLD WATER PIPING SCHEMATIC FOR ROOMS 5 & 8

N.T.S.



WASTE & VENT PIPING SCHEMATIC FOR ROOMS 5 & 8

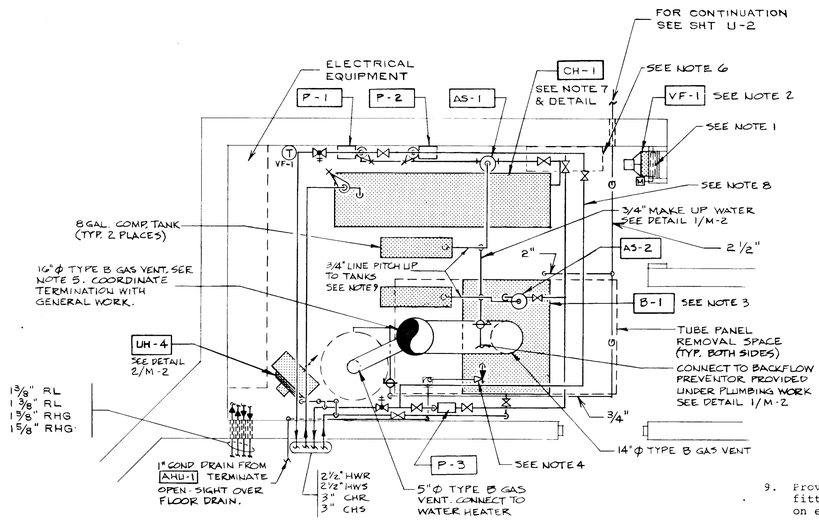
N.T.S.

P-2 PLUMBING SCHEMATIC AND DETAILS

DRAWING NO.
449
41,001A

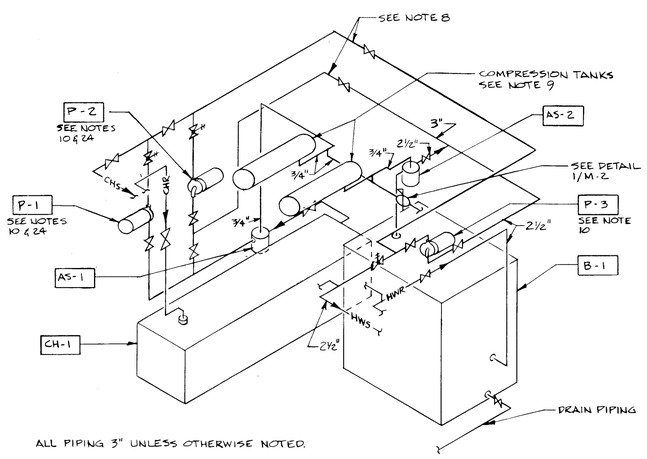
PCIP PKG.

SHEET 32 OF 40



LOWER MECH. EQUIP. RM. 5 PLAN

SCALE: 3/8" = 1'-0"



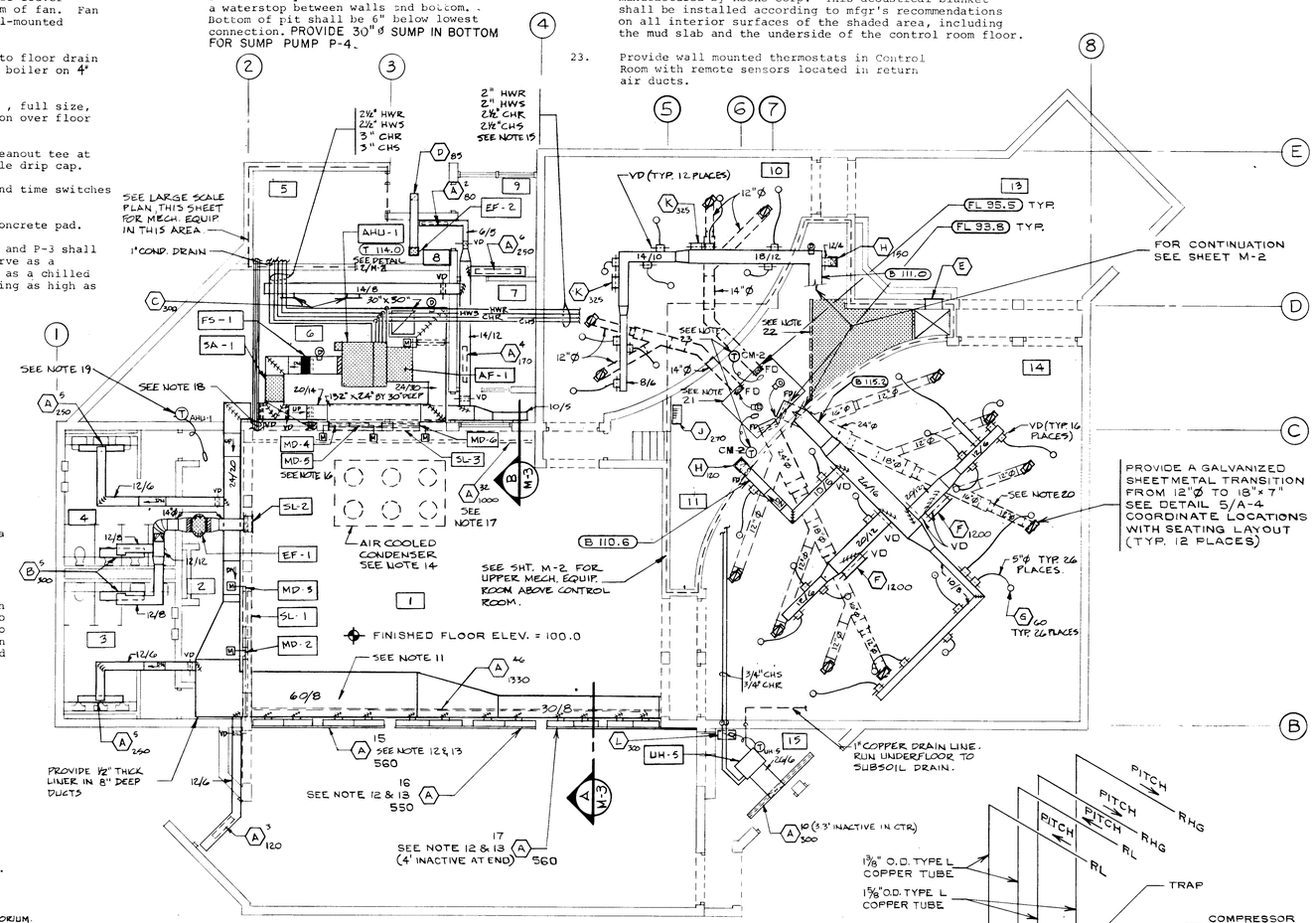
ALL PIPING 3" UNLESS OTHERWISE NOTED.

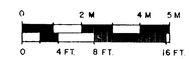
MECH. EQUIP. ROOM PIPING SCHEMATIC

NO SCALE

GENERAL NOTES: (This Sheet Only)

1. Operable louver provided under general work. Motor operator provided under Temperature Control. Interlock louver with boiler burner and VF-1.
2. Mount VF-1 behind operable louver +3'-0" from floor to bottom of fan. Fan shall be controlled by wall-mounted thermostat.
3. Provide drain down piping to floor drain and shut-off valve. Mount boiler on 4" high concrete pad.
4. Extend relief valve outlet , full size, to an open sight termination over floor drain.
5. Provide stainless steel cleanout tee at base of riser with removable drip cap.
6. Mount equipment controls and time switches in this area.
7. Mount chiller on 4" high concrete pad.
8. Piping interconnecting P-2 and P-3 shall be 3" and allows P-2 to serve as a heating water pump and P-3 as a chilled water pump. Mount all piping as high as possible.
9. Provide Bell & Gossett Airtrol tank fittings and manual air charger valve on each tank.
10. Provide venturi stations at each pump discharge. At every location in which a venturi station is installed, provide a minimum straight pipe section of 5 pipe diameters upstream and 2 pipe diameters downstream.
11. Provide duct with minimum internal depth of 8". Top of duct shall be fastened to underside of roof deck. Bottom panel to be horizontal and shall be reinforced on 2'-6" centers with 1"x1"x1/8" galvanized angles.
12. Provide plenum behind supply grille of size indicated. Block off areas of plenum where required for Electrical Work.
13. Space provided for Electrical Work. Coordinate as required.
14. Provide pitch pocket at each leg of condenser. Each leg shall rest on cork-neoprene vibration isolation pads with protective steel plate on top. Counter flashing shall be continuous underneath pads and shall extend over roof flashing. Fill pockets with pitch. See ARCHITECTURAL DETAIL. 3/A-2
15. Piping shall run at approximately elevation 111'-0". PAINT FLAT BLACK IN AUDITORIUM.
16. Damper motors are indicated exterior for clarity only.
17. Provide six supply ducts, 8/4 from 20/14 in room 6 to penetrate wall and supply 6" x 6" plenum for continuous ceiling supply grille (A), in room 1.
18. Refrigerant piping shall penetrate exterior wall above flashing and shall be supported on treated wood blocking across roof to air cooled condenser.
19. Provide wall mounted thermostat with remote sensing bulb. The remote bulb is to be located in the return air stream. Verify location before installation. WITH CONTRACTING OFFICER
20. Pitch all underfloor duct to drain to sump.
21. Provide a 8' x 6' drain pit with 8" thick walls and bottom reinforced with #4's both ways 12" on center. Provide a waterstop between walls and bottom. Bottom of pit shall be 6" below lowest connection. PROVIDE 30"ϕ SUMP IN BOTTOM FOR SUMP PUMP P-4.
22. Underneath the control room floor, provide a sheetmetal partition extending from the mud slab to underside of building construction. Furnish an acoustical blanket composed of 2" thick fiber glass quilted between open mesh flameproof fabric manufactured by Keene Corp. This acoustical blanket shall be installed according to mfgr's recommendations on all interior surfaces of the shaded area, including the mud slab and the underside of the control room floor.
23. Provide wall mounted thermostats in Control Room with remote sensors located in return air ducts.



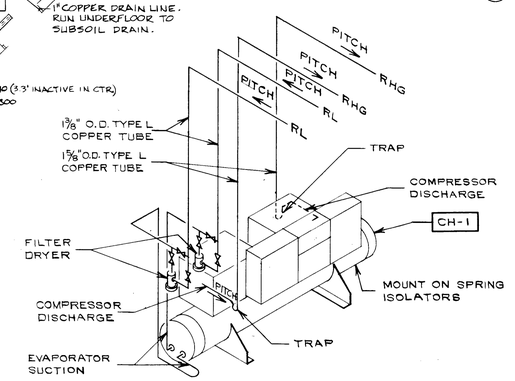


SCALE 1/8" = 1'-0"

CONVERSION TO METRIC
1 FT. = 0.3048 METERS

FLOOR PLAN

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

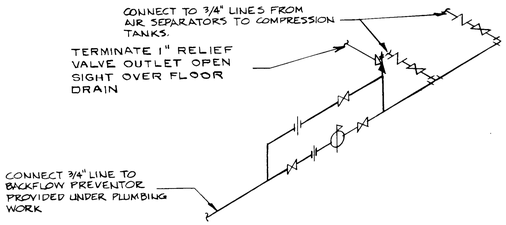


CHILLER DETAIL

N.T.S.

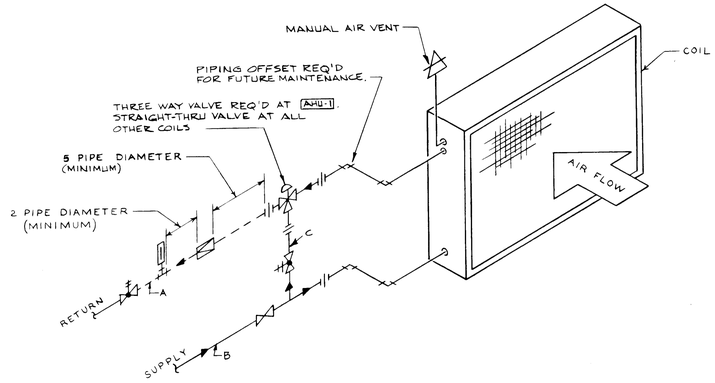
M-1 MECHANICAL FLOOR PLAN AND DETAILS

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET 33 OF 40

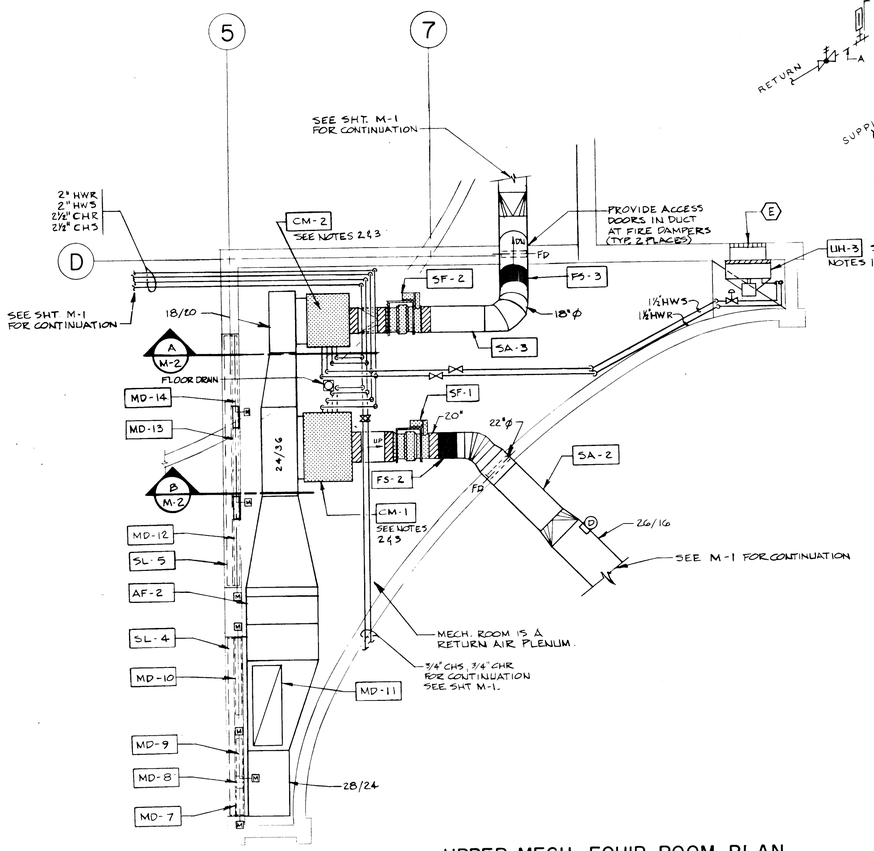


1 / M-2 MAKE UP AND FILL PIPING SCHEMATIC
NO SCALE

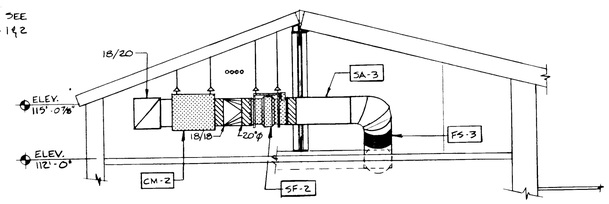
PIPE SIZE						
	HEATING			COOLING		
UNIT	A	B	C	A	B	C
AHU-1	2"	2"	1½"	2½"	2½"	2"
CM-1	1½"	1½"	—	2½"	2½"	—
CM-2	1½"	1½"	—	1½"	1½"	—
UH-3	1½"	1½"	—	—	—	—
UH-4	¾"	¾"	—	—	—	—



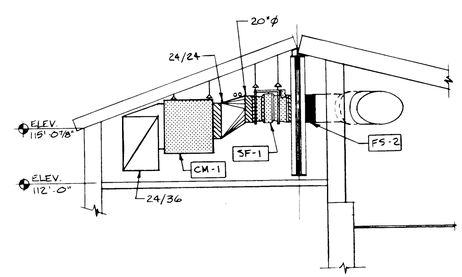
2 / M-2 REHEAT & COOLING COILS PIPING SCHEMATIC
NO SCALE



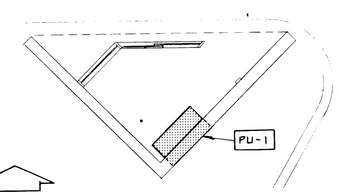
UPPER MECH. EQUIP. ROOM PLAN
SCALE: 1/4" = 1'-0"



A / M-2 UPPER MECHANICAL ROOM ELEVATION
SCALE: 1/4" = 1'-0"



B / M-2 UPPER MECHANICAL ROOM ELEVATION
SCALE: 1/4" = 1'-0"



TICKET COLLECTION BOOTH
SCALE: 1/4" = 1'-0"

N TRUE

N PROJECT

LEGEND

VALVES AND PIPING SPECIALTIES

- CHECK VALVE
- GATE VALVE
- COMBINATION BALANCING AND SHUT-OFF VALVE
- PRESSURE REGULATING VALVE (STEAM, AIR & WATER, ARROW POINTS TO LOWER PRESSURE.)
- UNION JOINT
- SHUT-OFF COCK (AIR, GAS, ETC. AS INDICATED)
- 3-WAY VALVE (MIXING OR BY-PASS AS INDICATED)
- THERMOMETER, TEMPERATURE GAUGE
- PRESSURE-TEMPERATURE RELIEF VALVE
- AUTOMATIC CONTROL VALVE (TYPE AS NOTED)
- MANUAL AIR VENT
- FLANGE JOINT
- TEE-UP, BRANCH OUT OF TOP
- TEE-DOWN, BRANCH OUT OF BOTTOM
- ELBOW-UP
- ELBOW-DOWN
- RISE OR DROP
- DIRECTION OF FLOW
- SLEEVE THRU WALL
- FLEXIBLE COUPLING
- VENTURI STATION

PIPING SYSTEMS

- RHG — REFRIGERANT HOT GAS
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- CHS — CHILLED WATER SUPPLY
- CHR — CHILLED WATER RETURN
- HWS — HOT WATER HEATING SUPPLY
- HWR — HOT WATER HEATING RETURN
- G — NATURAL GAS

EQUIPMENT DESIGNATION

SF	SUPPLY FAN
AHU	AIR HANDLING UNIT
CM	COIL MODULE
EF	EXHAUST FAN
VF	VENTILATING FAN
MD	MOTORIZED DAMPER
SL	STATIONARY LOUVER
FS	FLOW STATION
SA	SOUND ATTENUATOR
AF	AIR FILTER
AS	AIR SEPARATOR
ACC	AIR COOLED CONDENSER
CH	WATER CHILLER
B	BOILER
A	AIR COMPRESSOR
RF	RETURN FAN
UH	UNIT HEATER

- MARK / EQUIPMENT DESIGNATION / UNIT
- ROOM NUMBERS
- FT., SLOT DIFFUSER / AIR DEVICE DESIGNATION / CFM, SUPPLY AIR
- THERMOSTAT / UNIT CONTROLLED
- PU — PACKAGED UNIT

HVAC SYSTEMS

- 24 x 12 — DUCT SIZE DESIGNATION. SIDE SHOWN IS FIRST DIMENSION. SIZE SHOWN IS INTERNAL CLEAR OPENING. SHEET METAL SIZE MUST BE INCREASED FOR INTERNAL INSULATION, WHERE SPECIFIED
- TURNING VANES (NUMBER OF VANES SHALL BE BASED ON ACTUAL DUCT SIZE & NOT ON SCHEMATIC SYMBOL ON DRAWING.)
- RETURN, EXHAUST OR OUTSIDE AIR DUCT
- DISCHARGE OR SUPPLY AIR DUCT
- FLEXIBLE DUCT CONNECTION
- D — DUCT MOUNTED, HEAT OR SMOKE DETECTOR (SEE SPEC.)
- VOLUME EXTRACTOR, ADJUSTABLE
- VD / FD — VOLUME DAMPER (VD), FIRE DAMPER (FD)
- M — MOTORIZED DAMPER (ELEC. OR PNEU.)
- DN — INCLINED DROP IN THE DIRECTION OF AIR FLOW
- STATIONARY LOUVER
- B — BOTTOM ELEVATION – FEET
- FL — FLOW LINE (INVERT) – FEET

M-2 MECHANICAL DETAILS AND LEGEND

GENERAL NOTES: (This Sheet Only)

1. Provide wall mounting brackets and suspension rods with vibration isolation to suspend unit +7'-0" from bottom of unit to arboretum floor. Provide a flexible connection between unit and wall.
2. See Detail 2/M-2 for Coil Piping Schematic.
3. PROVIDE 1" COND. DRAIN TERMINATE OPENSIGHT OVER FLOOR DRAIN.

DRAWING NO. 449 41,001A
PCIP PKG.
SHEET 34 OF 40

AIR DEVICE SCHEDULE

MARK	MANUFACTURER	CAT. NO.	NECK SIZE	ACCESSORIES	FRAME SIZE	LOCATION	NOTES
A	TITUS	ML-3800	2 SLOTS 3⅜"	PLENUM 8/6 OR AS NOTED	TYPE 6A, 3½"	FIRST AID, ADMIN. LOBBY, TOILETS	LENGTH AS INDICATED
B	TITUS	MLR-3800	2 SLOTS 3⅜"	PLENUM 8/6	TYPE 6A, 3½"	TOILETS	LENGTH AS INDICATED
C	TITUS	272-FS5	16×6		17¾"×7¾"	STORAGE	
D	TITUS	4-FL	10×10		11¾"×11¾"	NORTH VEST.	TOILET B EXHAUST
E	TITUS	CMT-1500	24×72	18" LONG BLANK-OFF STRIP MOUNTED UNDER LIH-3	24×72	ARBORETUM	TYPE 7 BORDER, 4-MTG. FRAME
F	TITUS	271-FS	36×8		37¾"×9¾"	AUDITORIUM 14	
G	LIGHTOLIER	5484	5"Ø		10"Ø CAN FIXTURE	AUD. 10 & 14	AIR-HANDLING LIGHT FIX. PROVIDED UNDER ELEC. WORK
H	TITUS	TXS	6×6		12"×12"	CONTROL ROOM	
J	TUTTLE & BAILEY	586	12×24		12"×24"	CONTROL ROOM	VERIFY LOCATION MAT'L BRONZE, FINISH-POLISH
K	TITUS	271-FS	10×8		11¾"×9¾"	AUDITORIUM 10	
L	TITUS	50 FOG-30	8×20		12×24	INFORMATION	PROVIDE 1" THK. T/A FILTERS, SPLINE MTG.

NOTE: MATERIAL - ALL EXPOSED PARTS SHALL BE ALUMINUM.
FINISH - ALL AIR DEVICES, EXCEPT (P) (G) & (K) SHALL BE BRONZE ANODIZE

MECHANICAL EQUIPMENT SCHEDULE

CH-1 Water Chiller shall be Trane CCUA 600-M. Capacity - 60 tons nominal, chilled water 135 GPM, EWT-54°F., LWT-44°F. Dual compressors with a total of 4 unit capacity steps. Motors-2 at 125 FLA each, 208V, 60Hz, 3Ø. Mount unit on vibration isolators on 4" high housekeeping pad. Provide flexible connectors in all piping to chiller.

ACC-1 Air cooled condenser shall be Trane CAUA 600. Capacity 60 tons nominal. Motors-6 at 1-1/2 HP each, 208V, 60Hz, 1Ø. Unit height including neoprene pad shall not exceed 53". PAINT CONDENSER DARK BRONZE COLOR.

B-1 Boiler shall be Cleaver-Brooks, Model 3 WTW 800, working pressure 30 PSIG, tested to 75 PSIG. Capacity - 800 MBH natural gas input and 640 MBH output. Mount boiler on 4" high housekeeping pad.

SA-1 Sound attenuator shall be Keene B-E-H Uni-Silencer 3F24-LP. Size 24" wide by 24" deep by 36" long. Net insertion loss, 0 FPM - Band 2-5db, 3-9db, 4-19db, 5-27db, 6-22db, 7-15db, 8-10db. Pressure drop .10" W.C. for 5600 CFM.

SA-2 Sound attenuator shall be Keene B-E-H Uni-Silencer 22DS44. Size 22" diameter by 44" long. Net insertion loss, 0 FPM-Band 2-10db, 3-19db, 4-32db, 5-37db, 6-34db, 7-25db, 8-12db. Pressure drop .07" W.C. for 3600 CFM.

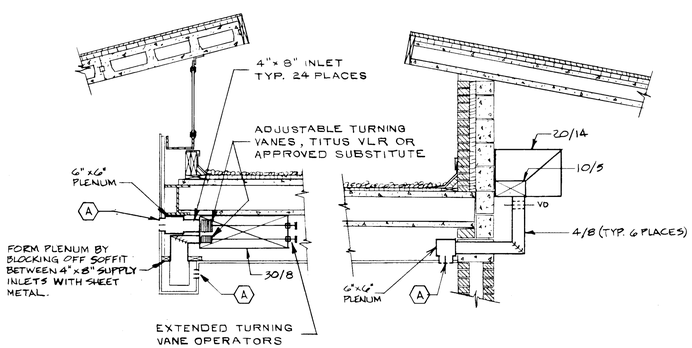
SA-3 Sound attenuator shall be Keene B-E-H Uni-Silencer 18DS36 Size 18" diameter by 36" long. Net insertion loss, 0 FPM-Band 2-10db, 3-19db, 4-32db, 5-37db, 6-34db, 7-25db, 8-12db. Pressure drop .03" W.C. for 1400 CFM.

AS-1 Air separator shall be Bell & Gossett Model R-3 with strainer. Capacity shall be 170 GPM.

AS-2 Air separator shall be Bell & Gossett Model R-2-1/2. Capacity shall be 90 GPM.

FS-1, 2, & 3 Flow stations shall be Air Sentinel FMS-FAN, same size as duct. Pressure drop not to exceed .08" W.C. at 1400 FPM.

PU-1 Packaged unit shall be Singer Type 45-07 with 330 CFM supply air. Capacity-cooling 7200 BTU/HR, heating-8870 BTU/HR, Motors-two speed fan, 208V/60Hz/1Ø. Provide sub-base, through the wall mounting, with an exterior louver, color as selected by Contracting Officer mounted thermostat with manual change-over and manual damper.



A M-3 SLOT DIFFUSER DETAIL
SCALE: 1/2" = 1'-0"

B M-3 SLOT DIFFUSER DETAIL
SCALE: 1/2" = 1'-0"

AIR HANDLING UNIT SCHEDULE

UNIT NUMBER			AHU-1	CM-1/SF-1	CM-2/SF-2
LOCATION			STORAGE RM.	UPPER MECH. RM.	UPPER MECH. RM.
FAN SECTION	CFM		5600	3600	1400
	S.P. INCHES WG		3"	2¼"	2"
	HP & RPM		7½/1115	5/3250	1/1900
	O.V. FPM		1667	2115	823
COOLING COIL	ENT. AIR	DB	79	80	81
		WB	66	67	68
	LVG AIR	DB	51	54	53
		WB	50	53	52
EWT 44 °F	TOTAL BTU/HR		270,000	154,000	68,000
	GPM		54	45	21
LWT 54 °F	NO. OF ROWS		W-6 SERIES 18	W-6 SERIES 15	W-6 SERIES 16
	F.V. FPM		479	480	467
HEATING COIL	HEATING MEDIA		WATER	WATER	WATER
	ENT. AIR		60	55	50
	LVG. AIR		86	80	80
	TOTAL BTU/HR		160,000	97,200	45,400
EWT 160 °F	#/HR - GPM		32	14	17
LWT 150 °F	NO. OF ROWS		WC-1 SERIES 15	WC-1 SERIES 15	WC-1 SERIES 15
	F.V. FPM		479	480	468
HUMIDIFIER	TYPE		NONE	NONE	NONE
	CAPACITY				
FILTERS	ARRANGEMENT		AF-1	AF-2	AF-2
	TYPE		HI-EFF./T.A.	HI-EFF/T.A.	HI-EFF/T.A.
REMARKS			#12 MED. PRESS. HORIZ. DRAW THRU	#8 COIL MODULE	#3 COIL MODULE

LOUVER AND DAMPER SCHEDULE

MARK	NOM. SIZE (W×H)	NET AREA (SQ. FT.)	CFM	NET VEL. (FPM)	ΔP (IN. W.C.)	REMARKS	
SL-1	168"×18"	10.5	5000	476	<.05	RELIEF AIR AHU-1	W/CONCEALED MULLIONS
SL-2	18"×18"	1.1	600	545	<.05	EXHAUST AIR EF-1	MOUNT BACKDRAFT DAMPER BEHIND LOUVER
SL-3	120"×30"	9.56	5600	585	.055	O.A. AHU-1	W/CONCEALED MULLIONS
SL-4	120"×20"	8.4	5000	595	<.05	O.A. SF-1&2	" " "
SL-5	168"×20"	12.0	5000	417	<.05	RELIEF AIR SF-1&2	W/CONCEALED MULLIONS
MD-1		NOT	USED				
MD-2	76"×18"	9.5	2500	263		RELIEF AIR AHU-1	USED WITH SL-1
MD-3	76"×18"	9.5	2500	263		RELIEF AIR AHU-1	USED WITH SL-1
MD-4	26"×30"	5.42	1400	258		MIN. O.A. AHU-1	USED WITH SL-3
MD-5	26"×30"	5.42	1400	258		ECONOMIZER CYCLE AHU-1	USED WITH SL-3
MD-6	52"×30"	10.84	2800	258		ECONOMIZER CYCLE AHU-1	USED WITH SL-3
MD-7	23"×20"	3.19	900	282		MIN. O.A. SF-1	USED WITH SL-4
MD-8	10"×20"	1.39	400	288		MIN. O.A. SF-2	USED WITH SL-4
MD-9	19"×20"	2.64	990	375		ECONOMIZER CYCLE SF-1&2	USED WITH SL-4
MD-10	52"×20"	7.22	2710	375		ECONOMIZER CYCLE SF-1&2	USED WITH SL-4
MD-11	54"×20"	7.5	5000	667		RETURN AIR SF-1&2	
MD-12	45"×20"	6.25	1666	267		RELIEF AIR SF-1&2	USED WITH SL-5
MD-13	45"×20"	6.25	1666	267		RELIEF AIR SF-1&2	USED WITH SL-5
MD-14	45"×20"	6.25	1666	267		RELIEF AIR SF-1&2	USED WITH SL-5

⚠ SEE SPEC. FOR LEAKAGE REQUIREMENTS OF CLOSED DAMPERS. ⚠ LOUVER FINISH - BRONZE ANODIZE COLOR APPROVED BY ARCH.

FAN SCHEDULE

MARK	SPEC TYPE	MANUFACTURER	SIZE	CFM	S.P. IN.W.C.	FAN RPM	MOTOR DATA HP	RPM	VOLT	PH	DRIVE	ACCESSORIES	REMARKS
EF-1		CARNES-CEILING	15K4	600	¼	860	1/6	860	120	1	DIRECT	BD	MOUNT DAMPER ON INSIDE FACE OF SL-2
EF-2		CARNES-INLINE	EC15	85	⅛	1070	1/100	1070	120	1	DIRECT		
SF-1		TRANE Q	16	3600	2½"	3250	5	1750	208	3	BELT	FINS	
SF-2		TRANE Q	16	1400	2"	1900	1	1750	208	3	BELT	FINS	
VF-1		COOK - WALL	10510D	473	0	1050	1/30	1050	120	1	DIRECT	WG	REVERSE MOUNTED PROPELLER FOR SUPPLY

ACCESSORIES:
DS - DISCONNECT SWITCH
BD - BACKDRAFT DAMPER
BS - BIRDSCREEN
PC - PREFAB CURB
AP - ADJUSTABLE PULLEY
GF - GREASE FITTINGS
BG - BELT GUARD
FL - FUSIBLE LINK
WG - WIRE GUARD
FINS - FACTORY INSULATION 1" THK.

UNIT HEATER SCHEDULE

MARK	SPEC TYPE	MANUFACTURER	SIZE	CFM	CAPACITY MBH	MOTOR DATA HP	RPM	VOLT	PH	ACCESSORIES	REMARKS
UH-1		ELECTROMODE	4'-0"	-	1.365					BUILT-IN MOUNTING REQ'D	3"×2" DRAFT BARRIER BASEBOARD HEATER
UH-2		ELECTROMODE	4'-0"	-	1.365						
UH-3		TRANE	S-100-WF	1427	49.4	⅛	1550	120	1	DELETE OUTLET DIFFUSER, VM	160° EWT, 70° EAT 150° LWT 16.4 GPM
UH-4		TRANE	S-20-SF	315	7.7	1/45	1050	120	1	VM	160° EWT, 70° EAT 150° LWT 1.5 GPM
UH-5		TRANE	C34AE03	300	CUG 9.5 HTG.12B	1/30	1100	120	1	FLEX. CONN., VM, TR, W/O FILTER	44° EWT 80° EAT / ELEC. 54° LWT 2 GPM / HEAT

ACCESSORIES:
VM - VIBRATION MOUNTING
IH - INTAKE HOOD
ID - INLET DAMPER
TR - FACTORY WIRED TRANSFORMER

AIR FILTER SCHEDULE

UNIT NO.	SERVICE	LOCATION	TYPE	CFM CAPACITY	EFF	FILTER SIZE	NO. REQ'D.	FACE VEL.	CFM PER FILTER	INITIAL AIR FRICT.	REMARKS
AF-1	AHU-1	STORAGE	HIGH EFF AND T/A	5600	40%	24×24 24×12	2 2	467	1866 933	.3"	PROVIDE 2" THK. PREFILTERS, SIDE ACCESS HOUSINGS, AND MANOMETERS.
AF-2	CM-1&2	UPPER MECH. RM.	HIGH EFF AND T/A	5000	40%	24×24	2	625	2500	.3"	
⚠	INITIAL AIR FRICTION BASED ON A FACE VELOCITY OF 625 FPM.										

PUMP SCHEDULE

UNIT NO.	SERVICE	LOCATION	GPM	HEAD FT.	MTR. HP.	RPM	LIQUID TEMP.	TYPE	MANUFACTURER MODEL NO.	REMARKS
P-1	CHILLED WATER	MECH. ROOM	60	35	1	1750	44°	IN-LINE	SERIES 60 2A	
P-2	CHILLED WATER	MECH. ROOM	60	35	1½	1750	44°/160°	IN-LINE	SERIES 60 2A	BACKUP HEATING WATER PUMP.
P-3	HEATING WATER	MECH. ROOM	80	30	1½	1750	160°	IN-LINE	SERIES 60 2A	BACKUP CHILLED WATER PUMP.

M-3 MECHANICAL DETAILS AND SCHEDULES

DRAWING NO. 449 41,001A
PCIP PKG.
SHEET 35 OF 40

LIGHTING FIXTURE SCHEDULE

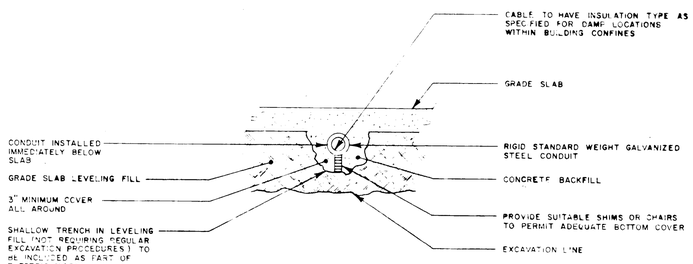
FIXT. TYPE	LAMPS QTY.	LAMPS TYPE	MOUNTING TYPE	MOUNTING HEIGHT	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	REMARKS
A	1-250W	250 PAR/Q/FL	RECESSED	—	9"Ø X 12" DP RECESSED SUPPLY AIR QUARTZ DOWNLIGHT W/DIFFUSE COLD ALZAK REFLECTOR.	LIGHTOLIER #1097-A1	
B	1-150W	(COOL BEAM) 150 PAR38/FL	RECESSED	—	6"X 11 1/4" DP MATTE BLACK MULTI-GROOVE BAFFLE RECESSED DOWNLIGHT W/PERFORATED HOUSING FOR COOL BEAM LAMP APPLICATION	LIGHTOLIER #7100	
C	150W QUAN AS INDICATED ON PLAN	R 40 FL.	SNAP ON TRACK	—	RECESSED SINGLE CIRCUIT LIGHT TRACK LENGTH AND FIXTURE QUANTITY AS INDICATED ON PLAN	LIGHTOLIER, LIGHTRAN II #7622/7587	SEE DRAWINGS FOR EXACT LENGTH AND FIXTURE QUANTITY REQUIRED. SEE VARIATIONS C_1, C_2, & C_3 BELOW.
D	6-40W	F40 WWX	RECESSED SPLINE	—	4 X 4' SKYLIGHT 6 LAMP FIXTURE W/ONE PIECE REINFORCED ACRYLIC LENS, EXTRUDED ALUMINUM FRAME).	LIGHTOLIER #10325/10972	
E	2-75W	75A	SURFACE CEILING	—	OPAL GLASS DRUM 5' DP X 10½" Ø	LIGHTOLIER #6701	
F	2-40W	F40 WWX	SUSPEND AS REQ'D	BELOW DUCTWORK	1X4' 2 LAMP INDUSTRIAL FIXTURE W/BAKED ENAMEL HOUSING AND SYMMETRICAL REFLECTOR.	LITHONIA #BLI-240	
G	1-250W	250 PAR/Q/FL	RECESSED SOFFIT	—	9" Ø RECESSED QUARTZ WALL WASHER WITH SPECULAR ALZAK REFLECTOR AND APPROVED FOR LAMP LOCATIONS	GOTHAM #588FA/DL.	
H	2-40W	F40WWX	SURFACE WALL	ABOVE MIRROR, SEE ARCH. DETAIL	S.S. WALL FIXTURE W/SLOTTED TOP FOR UP LIGHT AND PRISMATIC ACRYLIC DIFFUSER	ALKCO #2242-UP	
J	4-250W	(LUCALOX) LU 250	POLE TOP	30'	FOUR HIGH PRESSURE SODIUM RECTILINEAR AREA LIGHTS W/ BRONZE ANODIZED FINISH ON FIXT. AND ON 30' ALUMINUM POLE	GARDCO FIXT #C1943-208 250 HPS-BRA POLE #CG-30-7.0-BRA	CONTRACTOR FURNISH IN LINE FUSES-NLR-GLR IN POLE BASE SEE DETAIL SHT. U-1
K	1-110W	F96T12/WW/ H.O.		ON GRADE	PEDESTAL MTD. FLUORESCENT BLDG. FLOODLIGHT W/ BUTYMATE PLASTIC LENS-FIELD DRILLED WEEP HOLES BRONZE FINISH BY MANUF.	STEBER SUNLIGHTER # FS 8	SEE NOTE 4
L	2-40W	F40WWX	SURFACE COVE	SEE ARCH. DETAILS	4' FLUORESCENT STRIP LIGHT	LITHONIA #C240	
M	1-100W	100A	SURFACE WALL	—	PORCELAIN SOCKET W/RECEPTACLE	EASS & SEYMOUR #33	
N	2-250W	(LUCALOX) LU 250	POLE TOP	30'	TWIN HIGH PRESSURE SODIUM RECTILINEAR AREA LIGHTS W/ BRONZE ANODIZED FINISH ON FIXTURE AND ON 30' ALUM. POLE	GARDCO FIXT #C 192-F-RL-208 250 HPS-BRA POLE #CG-30-7.0-BRA	MOUNT FIXTURES IN 90° CONFIGURATION. CONTRACTOR FURNISH IN LINE FUSES-NLR-GLR IN POLE BASE SEE DETAIL SHT U-1
P	1-40W	T10	FLUSH	—	8½"X 4" CAST ALUMINUM STEP LITE WITH LOUVER & GLASS	McPHILBEN #9505 AE	
Q	1-100W	MERC VAPOR, E-17 H38-4BM		—	CAST BRONZE FIXTURE IN TRANSITE WELL W/ADJACENT CAST BALLAST HOUSING	KIM #5152 MV 208	SEE NOTE 3
B_1	1-150W	(LUCALOX) LU 150	POLE TOP	12'	SINGLE HIGH PRESSURE SODIUM RECTILINEAR AREA LIGHT W/ BRONZE ANODIZED FINISH ON FIXTURE AND 12' ALUMINUM POLE	GARDCO FIXT #C1913-208 150 HPS-BRA POLE #C4-12-7.0-BRA	CONTRACTOR FURNISH IN LINE FUSES NLR-GLR IN POLE BASE SEE NOTE 2
B_{11}	1-150W	(LUCALOX) LU 150	POLE TOP	12'	SAME AS TYPE "B" EXCEPT TWIN FIXTURES	GARDCO FIXT #C1923-208 150 HPS-BRA POLE #C4-12-7.0-BRA	CONTRACTOR FURNISH IN LINE FUSES NLR-GLR IN POLE BASE SEE NOTE 2
S	2-60W	60A	SURFACE CEILING	—	10" SQUARE FIXTURE WITH MOLDED WHITE GLASS DIFFUSER AND CAST ALUMINUM TRIM.	McPHILBEN # 32-B4	
T	1-110W	F96T12/WW/ H.O.		SEE ARCH. DETAILS	SAME AS TYPE "K" EXCEPT MTD. TO TRELLIS (BY OTHERS) AND PROJECTING DOWNWARDS. OMIT WEEP HOLES. BRONZE FINISH.	SEE TYPE "K"	
U	2-LAMP QUAN AS REQ'D	F40 WWX	SURFACE COVE	SEE ARCH. DETAILS	CONTINUOUS FLUORESCENT STRIP IN "STAGGERED 2-LAMP CONFIGURATION.	KURTZON	CONTINUOUS TO EDGE OF BEAMS.
C_1	150 W	R 40 FL	SNAP ON TRACK		SURFACE MOUNTED TRACK	FIXTURE SAME AS TYPE "C" ABOVE.	
C_2	150W				CURVED TRACK		
C_3	75W				OUTLET BOX MOUNTING		CONNECT TO "H.E.L.P." STATION
V	1-250W	250 PAR/Q/FL	RECESSED		STAINLESS STEEL DOWNLIGHT WITH W.P. SOCKET-BLACK ALZAK REFL. 6 3/4" Ø OPENING X 13" O.A. HT.	KURTZON #S9-DAL-7.11-BAE-QL-250-W	
XA	2-20W	20W-T6 1/2	END WALL		SINGLE ALL GLASS FACE "EXIT OR "STAIRS" SIGN W/BLACK ANODIZED EXTRUDED ALUM. FR.	ALKCO # AG-12-M	SEE NOTE 1

LIGHTING FIXTURE SCHEDULE NOTES

1. FIXTURES SHALL BE WITH 'EXIT' OR 'STAIRS' INSCRIPTION AS INDICATED BY CHICAGO CODE NUMBER, WITH ARROWS AS INDICATED, WITH 6" HIGH RED LETTERS ON WHITE OPAQUE BACKGROUND.
2. FURNISH REINFORCED CONCRETE FOOTING. FOOTING SHALL BE TOP 2" BELOW GRADE AND 3'-0" X 3'-0" DP AND COMPLETE WITH ALL NECESSARY DETAILS FOR A COMPLETE INSTALLATION. REINFORCING SHALL BE 6"S VERTICAL W/#4 TIES @ 12" O.C.
3. LIGHTING FIXTURE TYPE Q SHALL BE INSTALLED FLUSH WITH EARTH GRADE AT PLANTED TREE AREAS. PROVIDE MIN. 2 CU. FT. GRAVEL UNDER TRANSITE SLEEVE FOR DRAINAGE. CONDUIT CONNECTIONS TO FIXTURE AND ASSOCIATED J.B. SHALL BE GIWV'S TO PROVIDE RIGID MOUNTING FOR SAME. PROVIDE AUXILLIARY CAST BRONZE J.B. TO TERMINATE THE SPECIFIED 1/4" CONDUIT. INCLUDE SAME IN SHOP DRAWING SUBMISSION.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	KW	KILOWATT
ARCH	ARCHITECTURAL	KVA	KILOVOLT-AMPERE
A	AMPS	KEC	KITCHEN EQUIPMENT CONTRACTOR
AUTO	AUTOMATIC		
AFD	AUTOMATIC FIRE DETECTION	LP	LIGHTING PANEL
		LTG	LIGHTING
BL	BLANK		
BLDG	BUILDING	MCC	MOTOR CONTROL CENTER
		MECH	MECHANICAL
CLG	CEILING	MCM	THOUSAND CIRCULAR MILS
CLO	CLOSET	MISC	MISCELLANEOUS
COL	COLUMN	MTD	MOUNTED
CONT	CONTACTOR		
CONTR	CONTRACTOR	NEC	NATIONAL ELECTRICAL CODE
CAB	CABINET	NIC	NOT IN CONTRACT
CAT	CATALOG	N	NEUTRAL
C	CONDUIT		
CKT	CIRCUIT	PP	POWER PANEL
CONC	CONCRETE	PC	PULL CHAIN
CONV	CONVENIENCE	PF	POWER FACTOR
CB	CIRCUIT BREAKER	PWR	POWER
		PNL	PANEL
D	DIAMETER	P	POLES
DP	DISTRIBUTION PANEL	PLB	PLUMBING
DWG	DRAWING		
DN	DOWN	RECPT	RECEPTACLE
		REQ	REQUIRED
EC	ELECTRICAL CONTRACTOR		
EM	EMERGENCY CIRCUIT	SW	SWITCH
ELEC	ELECTRIC	SPECS	SPECIFICATIONS
EL	ELEVATION	STD	STANDARD
EWC	ELECTRIC WATER COOLER	SP	SPARE
ELEV	ELEVATOR	SWBD	SWITCHBOARD
EQUIP	EQUIPMENT	SYS	SYSTEM
		SHT	SHEET
FAAP	FIRE ALARM ANNUNCIATOR PANEL	SN	SOLID NEUTRAL
FACP	FIRE ALARM CONTROL PANEL	SS	STAINLESS STEEL
FA	FIRE ALARM		
F	FLOOR	TER	TELEPHONE EQUIPMENT ROOM
FIXT	FIXTURE	TEL	TELEPHONE
FLUOR	FLUORESCENT	TTC	TELEPHONE TERMINAL CABINET
FDR	FEEDER	TYP	TYPICAL
FT	FEET	TRANS	TRANSFORMER
GRD	GROUND	UFD	UNDERFLOOR DUCT
GHWS	GALVANIZED HEAVY WALL STEEL	UH	UNIT HEATER
HGT	HEIGHT		
HTG	HEATING	VP	VAPORPROOF
HP	HORSEPOWER	V	VOLTS
INC	INCANDESCENT	WP	WEATHERPROOF
IN	INCHES	WGD	WITH GUARD
JB	JUNCTION BOX	W	WATTS OR WIRE
		XP	EXPLOSION PROOF



NOTES

1. WHERE MORE THAN ONE CONDUIT FOLLOWING THE SAME ROUTING IS REFERRED TO THIS DETAIL, SUCH CONDUITS SHALL BE IN A SINGLE TIER WITH EACH CONDUIT INSTALLED AS INDICATED IN THE DETAIL FOR A SINGLE CONDUIT. SPACING BETWEEN CONDUITS SHALL BE SUCH THAT NO LESS THAN A 3" THICKNESS OF CONCRETE BACKFILL EXISTS BETWEEN THE OUTSIDE FACES OF ADJACENT CONDUITS.
2. CONDUITS SHALL BE INSTALLED CLEAR OF ANY COLUMN.
3. BEFORE TURNING UP THROUGH GRADE SLAB, CONDUITS SHOULD BE DOG-LEGGED DOWNWARDS AS REQUIRED TO PREVENT ELBOWS SHOWING ABOVE TOP OF SLAB.

TYPICAL DETAIL OF BELOW SLAB ON GRADE CONDUIT INSTALLATION

NOT TO SCALE

LIGHTING FIXTURE SCHEDULE NOTES-CONTINUED

4. FURNISH REINFORCED CONCRETE PEDESTAL 18"SQUARE X 24" DP WITH TOP 1" BELOW GRADE. PEDESTAL SHALL HAVE CAST IN AUXILLIARY J.B. HAVING 4 3/4" X 4" X 6" DP FOR TERMINATING 1/4" COND. FIXTURE SHALL BE MOUNTED TO TOP OF PAD. EXACT PLACEMENT OF FIXTURES SHALL BE COORDINATED WITH ARCHITECTURAL AND LANDSCAPING PLAN. REMOTE BALLAST SHALL BE SUITABLE FOR EXTERIOR WET APPLICATION AND SEAMLESSLY MOUNTED TO CONCRETE BASE. (BALLAST HOUSING SHALL HAVE FACTORY APPLIED BRONZE FINISH) CONCRETE BASE SHALL BE LOCATED AT END OF EACH 8' SECTION.

ELECTRICAL SYMBOLS

LIGHTING FIXTURES

- SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE
- RECESSED MOUNTED FLUORESCENT LIGHTING FIXTURE
- FLUORESCENT STRIP LIGHTING FIXTURE
- ROUND SURFACE OR PENDANT MOUNTED INCANDESCENT OR MERCURY VAPOR LIGHTING FIXTURE
- ROUND RECESSED MOUNTED INCANDESCENT OR MERCURY VAPOR LIGHTING FIXTURE
- SQUARE SURFACE MOUNTED INCANDESCENT OR MERCURY VAPOR LIGHTING FIXTURE
- SQUARE RECESSED MOUNTED INCANDESCENT OR MERCURY VAPOR LIGHTING FIXTURE
- WALL MOUNTED BRACKET INCANDESCENT OR MERCURY VAPOR LIGHTING FIXTURE
- ALL SHADED LIGHTING FIXTURES SHALL BE EMERGENCY LIGHTS
- "EXIT" OR "STAIRS" SIGN WITH OR WITHOUT ARROW AS REQUIRED. SHADED PORTION INDICATES FACE ORIENTATION. CHICAGO CODE NUMBER DESIGNATES INSCRIPTION

SWITCH AND CONVENIENCE OUTLETS

- $ — SINGLE POLE TOGGLE SWITCH 20 AMPERE 120V OR 277V RATING (ADDITIONAL COMBINED MODIFICATION DESIGNATED AT THE LOWER RIGHT HAND CORNER OF SWITCH)
- $_3$ — THREE WAY TOGGLE SWITCH 20 AMPERE 120V OR 277V RATING
- $_T$ — THERMAL OVERLOAD SWITCH FOR FRACTIONAL HORSEPOWER MOTOR
- $_K$ — KEY OPERATED SWITCH 20 AMPERE 120V OR 277V RATING
- $_P$ — SWITCH WITH RED PILOT LIGHT
- $_{MC}$ — MOMENTARY CONTACT SWITCH
- $_{DM}$ — DIMMER SWITCH WIRE WAY WITH BUILT IN GROUNDING TYPE RECEPTACLE EXCEPT AS OTHERWISE NOTED ON PLANS
- DUPLEX CONVENIENCE RECEPTACLE-120V SINGLE PHASE GROUNDING TYPE 12" A/F EXCEPT AS NOTED
- SINGLE RECEPTACLE-208V OR 240V SINGLE PHASE 12" A/F EXCEPT AS NOTED
- SINGLE RECEPTACLE-120V SINGLE PHASE GROUNDING TYPE 12" A/F EXCEPT AS NOTED
- SINGLE RECEPTACLE-208V OR 240V THREE PHASE 12" A/F EXCEPT AS NOTED
- COMBINATION SINGLE PHASE DUPLEX RECEPTACLE ONE 208V OR 240V AND ONE 120V 12" A/F EXCEPT AS NOTED
- DUPLEX RECEPTACLE-120V SINGLE PHASE GROUNDING TYPE ABOVE WORK BENCH OR DESK
- DUPLEX RECEPTACLE-120V SINGLE PHASE GROUNDING TYPE WITH ONE SWITCHED OUTLET
- WALL MOUNTED CLOCK AND OUTLET
- SHALLOW TYPE WATERTIGHT ADJUSTABLE SINGLE GANG, CAST IRON FLOOR BOX WITH COVER PLATE, OR SERVICE FITTING AND GROUNDING TYPE DUPLEX RECEPTACLE
- SHALLOW TYPE WATERTIGHT ADJUSTABLE SINGLE GANG, CAST IRON FLOOR BOX WITH COVER PLATE OR SERVICE FITTING AND BUSHED TELEPHONE OUTLET
- JUNCTION BOX-WALL OR CEILING MOUNTED. CONFIGURATION VARIES WITH USE

UNDERFLOOR DUCT

- UNDERFLOOR DUCT SYSTEM WITH JUNCTION BOX AND HIGH TENSION "E" AND LOW TENSION "T" DUCT RUN. SINGLE DASH IS #2 DUCT, DOUBLE DASH IS #4 DUCT

INTRUSION SECURITY SYSTEM

- P — INFRARED PHOTOELECTRIC INTRUSION SENSOR
- X — MAGNETIC DOOR SWITCH-SECURITY SYSTEM FURNISHED AND INSTALLED BY GENERAL CONTRACTOR WITH BUILT-IN SWITCH FOR CONNECTION TO BUILDING SECURITY SYSTEM BY ELECRICAL CONTRACTOR

POWER APPARATUS

- 3 PHASE MANUAL MOTOR STARTER WITH PUSH BUTTON.
- 3 POLE SINGLE THROW 240V OR 600V DISCONNECT SWITCH 30A UNLESS OTHERWISE NOTED
- 3 POLE SINGLE THROW 240V OR 600V FUSIBLE DISCONNECT SWITCH. 30A UNLESS OTHERWISE NOTED
- 3 POLE MAGNETIC MOTOR STARTER
- 3 POLE COMBINATION FUSIBLE MAGNETIC MOTOR STARTER
- STOP-START PUSH BUTTON STATION WITH PILOT LIGHT
- SECTION-BUS DUCT RUN WITH END CAP
- BUS-DUCT RUN WITH END TAP FEEDER BOX
- BUS-DUCT RUN WITH CENTER TAP FEEDER BOX
- (5) THREE PHASE MOTOR-HORSEPOWER AS INDICATED
- SINGLE PHASE MOTOR-HORSEPOWER AS NOTED ON PLAN
- PNEUMATICALLY OPERATED ELECTRIC SWITCH
- ELECTRICALLY OPERATED PNEUMATIC SWITCH
- FLOAT SWITCH
- F FLOW SWITCH
- SV SOLENOID VALVE
- T AIR VENTILATED DRY TYPE TRANSFORMER

PANEL BOARDS

- FLUSH MOUNTED LIGHTING PANEL AS SPECIFIED IN SCHEDULE FOR 208Y/120V OR 120/240V SERVICE
- SURFACE MOUNTED LIGHTING PANEL AS SPECIFIED IN SCHEDULE FOR 208Y/120V OR 120/240V SERVICE
- FLUSH MOUNTED POWER DISTRIBUTION PANEL AS DETAILED ON DRAWINGS
- SURFACE MOUNTED POWER DISTRIBUTION PANEL AS DETAILED ON DRAWINGS
- FLUSH MOUNTED LIGHTING PANEL AS SPECIFIED ON SCHEDULE FOR 480Y/277V SERVICE
- SURFACE MOUNTED LIGHTING PANEL AS SPECIFIED ON SCHEDULE FOR 480Y/277V SERVICE

AUXILIARY SYSTEMS

- TELEPHONE OUTLET
- TELEPHONE OUTLET WITH 3/4" CONDUIT STUBBED ABOVE SUSPENDED CEILING AND BUSHED
- A — SIGNAL BELL-FIRE ALARM SYSTEM
- F — FIRE ALARM SYSTEM FAN SHUTDOWN RELAY
- S — MANUAL FIRE ALARM LOCAL PULL STATION
- D² — AUTOMATIC FIRE DETECTOR WITH ZONE DESIGNATION. COMBINATION RATE OF RISE AND 135° TEMPERATURE UNLESS MODIFIED AS FOLLOWS: F=FIXED TEMP 135°, FH=FIXED TEMP 200°
- FAAP — FIRE ALARM ANNUNCIATOR PANEL--NUMBER OF ANNUNCIATORS AS REQUIRED
- D² — SMOKE DETECTOR WITH ZONE DESIGNATION
- MAGNETIC DOOR HOLDER
- S — FLUSH CEILING MOUNTED SOUND SYSTEM SPEAKER
- TV — TELEVISION ANTENNA JACK
- M — MICROPHONE INPUT JACK--WEATHERPROOF WHERE REQUIRED
- V — SOUND SYSTEM SPEAKER VOLUME CONTROL
- EM — BATTERY OPERATED EMERGENCY LIGHTS

CONDUITS AND CIRCUITS

- CONDUIT RUN CONCEALED IN WALL OR CEILING
- CONDUIT RUN CONCEALED IN OR UNDER FLOOR SLAB
- CONDUIT RUN EXPOSED
- NUMBER OF CONDUCTORS AS INDICATED: LONG SLASHES INDICATE NEUTRAL - SHORT SLASHES INDICATE HOT OR SWITCHED LEG - SLASHES WITH DOT INDICATE GROUND
- CONDUIT RUN TURNED UP OR TOWARD READER
- CONDUIT RUN TURNED DOWN OR AWAY FROM READER
- EXPLOSION PROOF CONDUIT SEAL
- COMBINATION CONVENIENCE RECEPTACLE AND MICROPHONE AND SPEAKER JACK. FURNISH ONE COMMON HOUSING WITH LOCKING COVER PLATE. LOCATE ON EXTERIOR WALLS FLUSH AS INDICATED.

E-1 SYMBOLS AND FIXTURE SCHEDULE

DRAWING NO. 449 41,001A

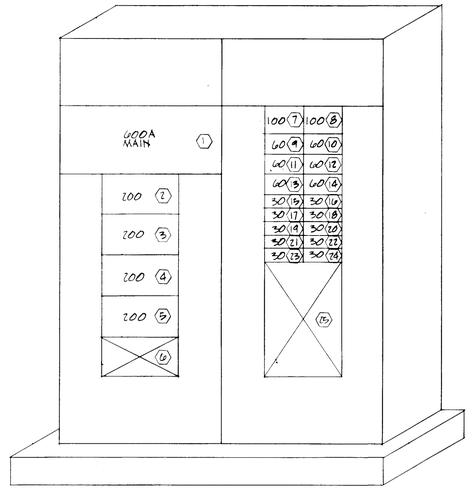
PCJP PKG. | SHEET 36 OF 40

MDP NAMEPLATE LEGEND

DEVICE	INSCRIPTION	DEVICE	INSCRIPTION
1	MAIN SWITCH	14	SPARE
2	PANEL LP.A	15	PUMP P.1 (CHILLED WATER)
3	PANEL LP.B	16	PUMP P.2 (CHILLED WATER)
4	CHILLER COMPRESSOR	17	PUMP P.3 (CHILLED WATER)
5	CHILLER COMPRESSOR	18	UNIT HEATER-5 (UH-5)
6	BLANK	19	SUPPLY FAN (SF-1)
7	SPARE	20	SUPPLY FAN (SF-2)
8	SPARE	21	CHILLER CONTROL CIRCUIT
9	DIMMER	22	AUDITORIUM DOOR COMPRESSOR
10	AIR HANDLING UNIT-1 (AHU-1)	23	SPARE
11	AIR COOLED CONDENSING UNIT (ACC)	24	SPARE
12	TICKET BOOTH WIREWAY	25	BLANK
13	SPARE		

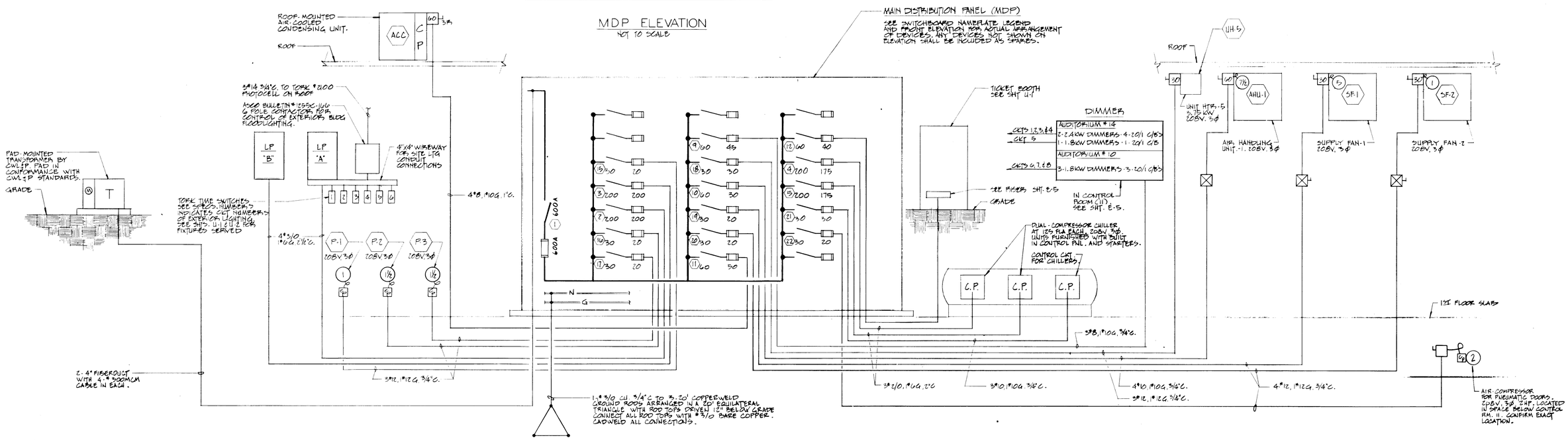
PANEL SCHEDULE

DESIG.	MOUNTING	VOLTAGE	MAINS ISC	MAINS BR.	MAINS LUGS	MAINS BUS	BRANCHES FRAME SIZE	BRANCHES TRIP SIZE	BRANCHES NO. POLES	BRANCHES CKT. NUMBER	BRANCHES BLK.	MANUFACTURER	CATALOG NO.	REMARKS
LP.A	SURFACE	120/208 3φ, 4W +GRND			225	225	70 70 70	20 20 30	1 2 2	22 1 5	6 0 0	0 0 0	SQUARE 'D'	NQOB	
LP.B	SURFACE	120/208 3φ, 4W +GRND			225	225	70 80 80	20 30 30	1 1 2	30 4 1	4 0 0	0 0 0	SQUARE 'D'	NQOB	CKTS. 1 & 2 SHALL BE EQUIPPED WITH G.F.I. PROTECTION.



MDP ELEVATION

NOT TO SCALE



SINGLE LINE DISTRIBUTION RISER DIAGRAM

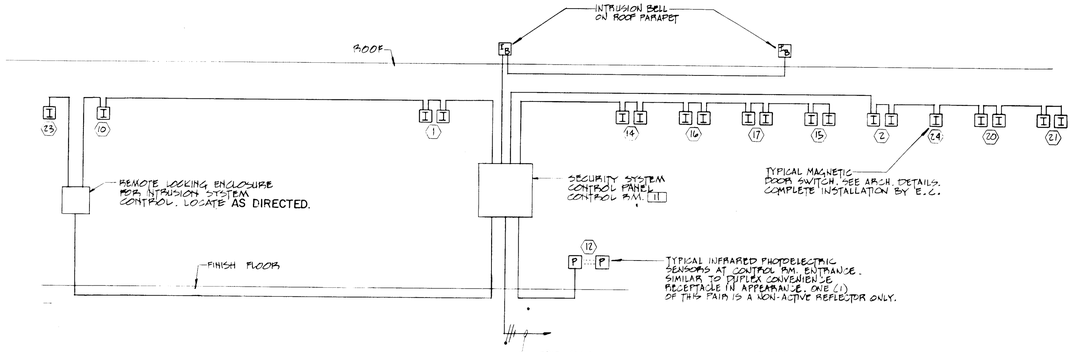
N.T.S.

E-2 RISER DIAGRAMS AND SCHEDULES

DRAWING NO. 449 41,001A

PCIP PKG.

SHEET 37 OF 40

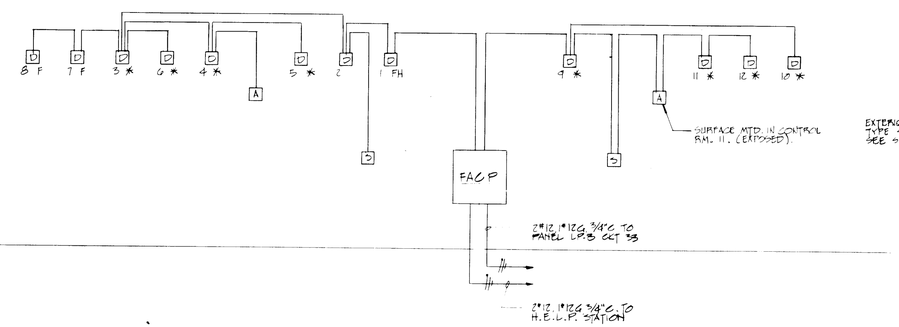


SECURITY SYSTEM NOTES

1. ALL CONDUIT SHALL BE 3/4" MINIMUM
2. QUANTITY AND SIZE OF WIRE SHALL BE INSTALLED COMPLETE BY THIS CONTRACTOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

SECURITY SYSTEM RISER DIAGRAM

NOT TO SCALE

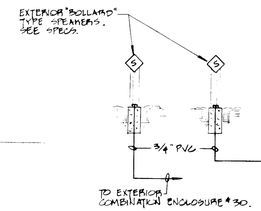


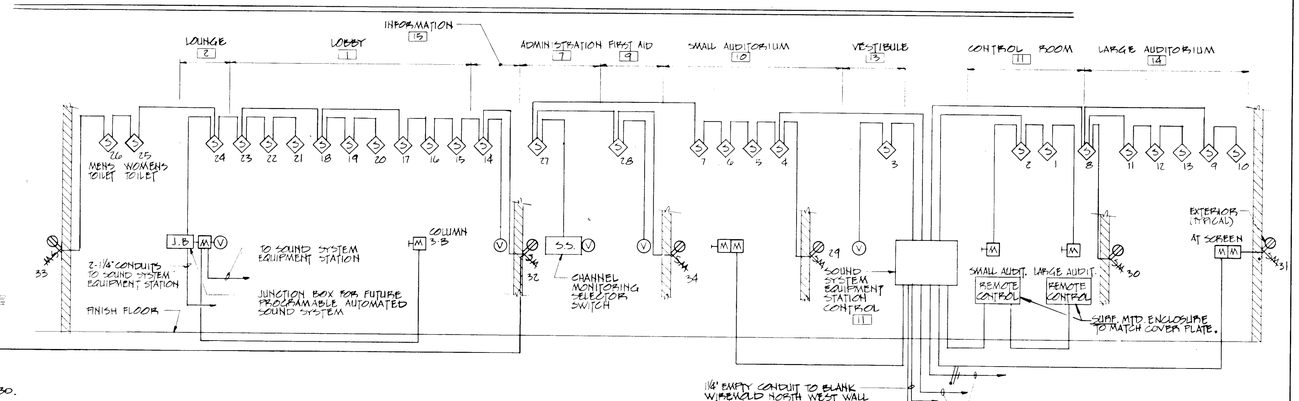
FIRE ALARM SYSTEM NOTES

1. ALL CONDUIT SHALL BE 1/2" MINIMUM
2. QUANTITY AND SIZE OF WIRE SHALL BE INSTALLED COMPLETE BY THIS CONTRACTOR, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

FIRE ALARM RISER DIAGRAM

NOT TO SCALE





SOUND SYSTEM LEGEND

- V — VOLUME CONTROL - WALL MOUNTED
- S — SPEAKER MOUNTED ABOVE CEILING TILE. SEE SPECS.
- M — MICROPHONE JACK - WALL MOUNTED
- S/M — COMBINATION RECEPTACLE AND SPEAKER AND MIKE JACK. SEE SYMBOL LIST.

SOUND SYSTEM NOTES

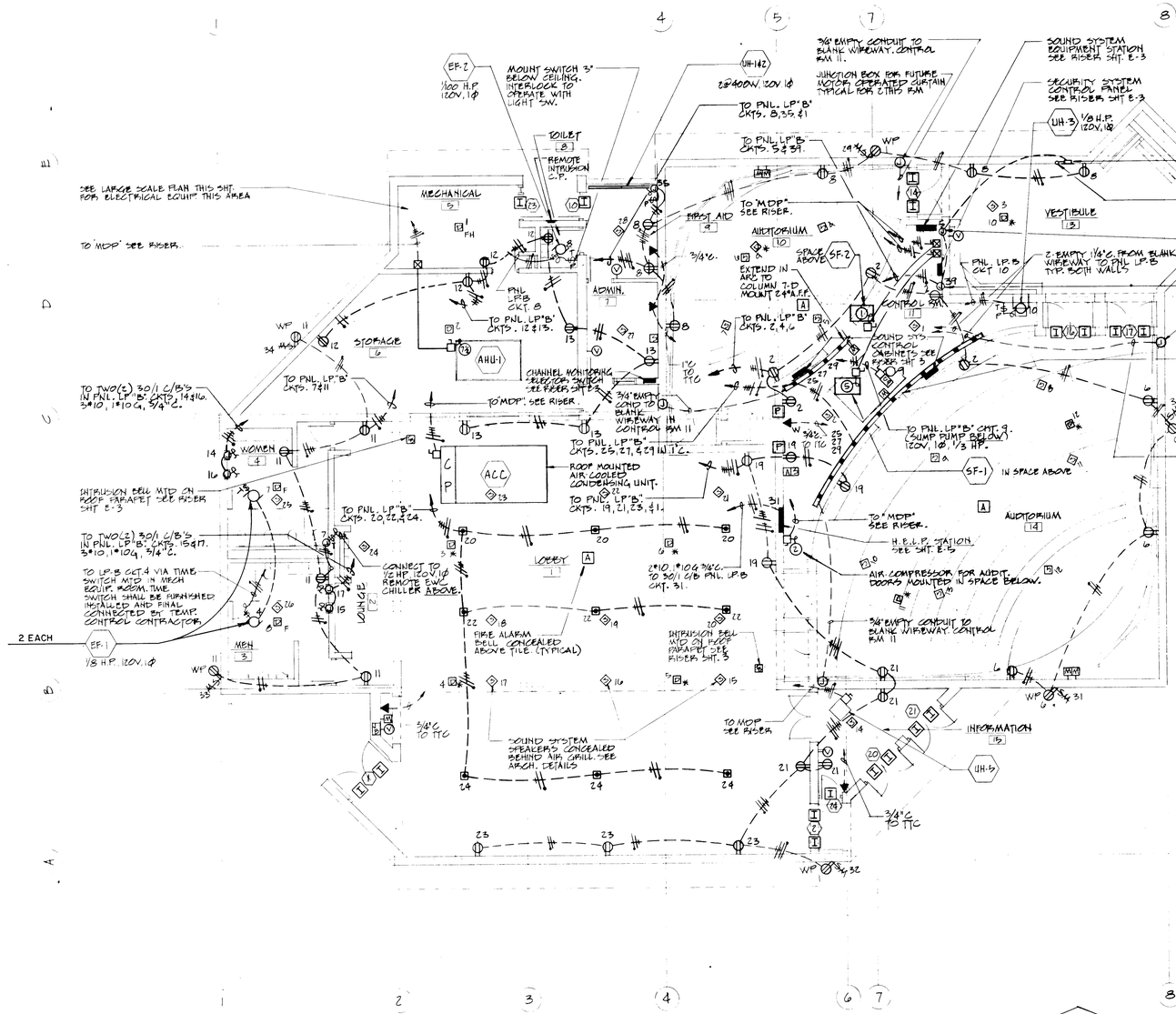
1. ALL CONDUIT SHALL BE 3/4" MINIMUM
2. SOUND SYSTEM SHALL INCLUDE ALL CONDUIT, OUTLET BOXES, EQUIPMENT WIRING, AND ALL NECESSARY APPURTENANCES FOR A COMPLETE INSTALLATION.

SOUND SYSTEM RISER DIAGRAM

NOT TO SCALE

E-3 MISCELLANEOUS RISERS

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET
	38
	OF 40

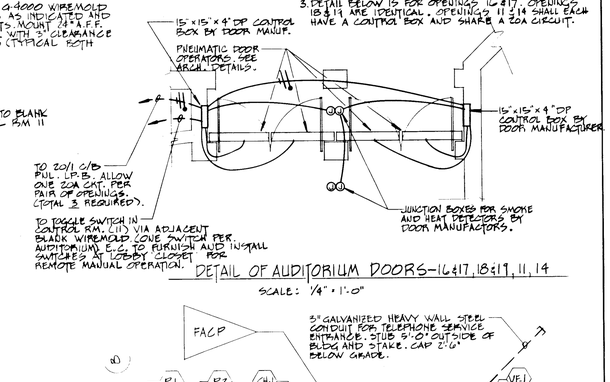


FLOOR PLAN
SCALE: 1/8" = 1'-0"

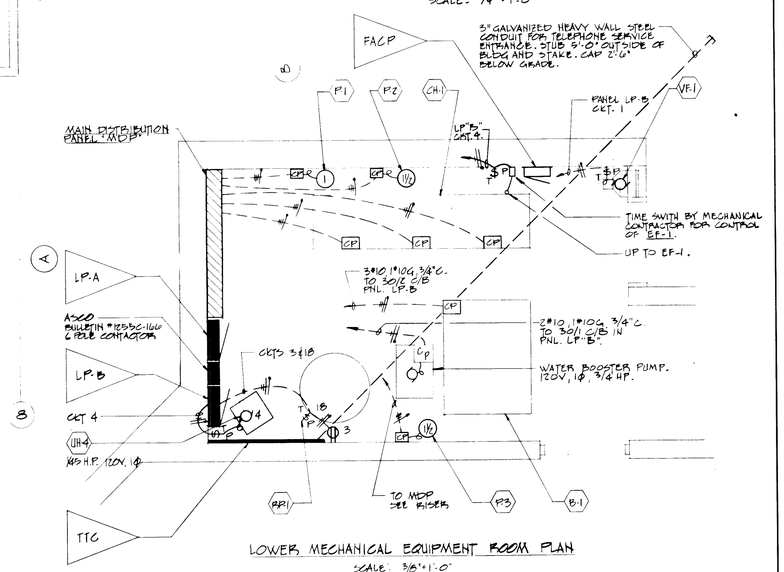
PROJECT

AUDITORIUM DOOR NOTES:

1. ALL CONDUIT NOT SHOWN WITH "SLASHES" SHALL BE EMPTY FOR FUTURE WIRING BY OTHERS.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF CONDUITS, ALL ELECTRICAL REQUIREMENTS, AND GENERAL PROCEEDURES WITH MANUF.
3. DETAIL BELOW IS FOR OPENINGS 16 & 17. OPENINGS 18 & 19 ARE IDENTICAL. OPENINGS 11 & 14 SHALL EACH HAVE A CONTROL BOX AND SHARE A 20A CIRCUIT.



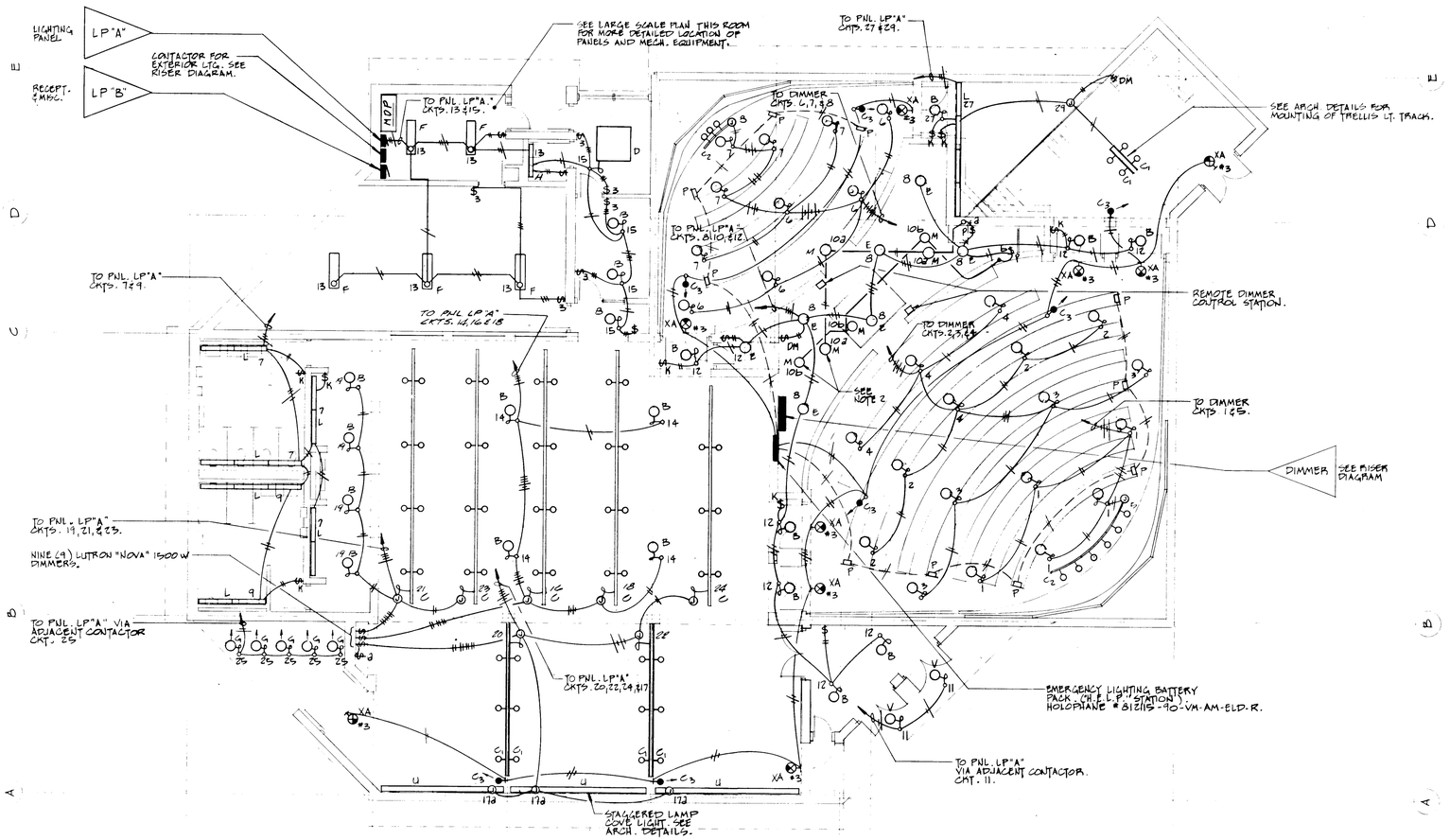
DETAIL OF AUDITORIUM DOORS-16 & 17, 18 & 19, 11, 14
SCALE: 1/4" = 1'-0"



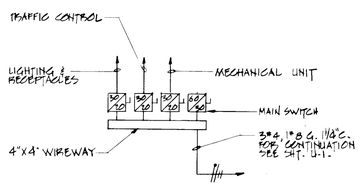
LOWER MECHANICAL EQUIPMENT ROOM PLAN
SCALE: 3/8" = 1'-0"

E-4 ELECTRICAL FLOOR PLAN POWER

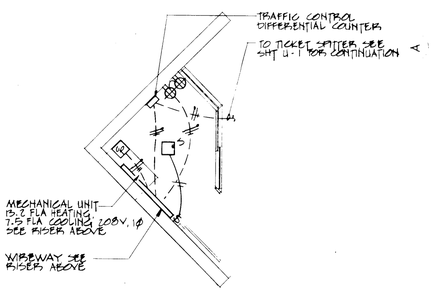
DRAWING NO.	
449	
41,001A	
PCIP PKG.	SHEET
	39
	OF 40



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



TICKET BOOTH RISER DIAGRAM
NTS



TICKET BOOTH - PLAN
SCALE: 1/4" = 1' - 0"

NOTES:

1. ALL LIGHTING FIXTURES THIS SHEET SHALL BE TYPE 'A' UNLESS SPECIFICALLY NOTED OTHERWISE
2. INSTALL TYPE "M" FIXTURES IN SPACES ABOVE AND BELOW CONTROL ROOM. CIRCUIT 103 SERVES MECHANICAL ROOM ABOVE ; CIRCUIT 106 SERVES CRAWL SPACE BELOW. (SEE SHEET E-4 FOR POWER REQUIREMENTS THESE AREAS).

E-5 ELECTRICAL FLOOR PLAN LIGHTING

DRAWING NO.	
449 41,001A	
PCIP PKG.	SHEET
	40
	OF 40