



RETAIL EXPANSION

3343 MIDWAY MALL, ELYRIA, OH 44035

These plans have been reviewed for compliance with the building and construction codes adopted by this jurisdiction. There may be other regulations applicable to these plans under state or federal statutes under which this department has no authority to enforce and therefore have not been evaluated as part of this plan review.

The structural elements of these drawings have not been checked. The sufficiency of these elements to meet all code requirements is the responsibility of the author of the drawings.

All Electrical work will be installed in accordance with the National Electrical Code Approved per attached Contingencies.

Ronald M. Loring 12/1/03
Plan Exams, Inc. Date

SHEET INDEX :

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Registration No.

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ED1.1-1	ELECTRICAL DEMOLITION PLAN
E2.1-1	ELECTRICAL PLAN
E2.2-1	ELECTRICAL PLAN
E3.1-1	ELECTRICAL DETAILS AND SCHEDULES

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Sheet Title

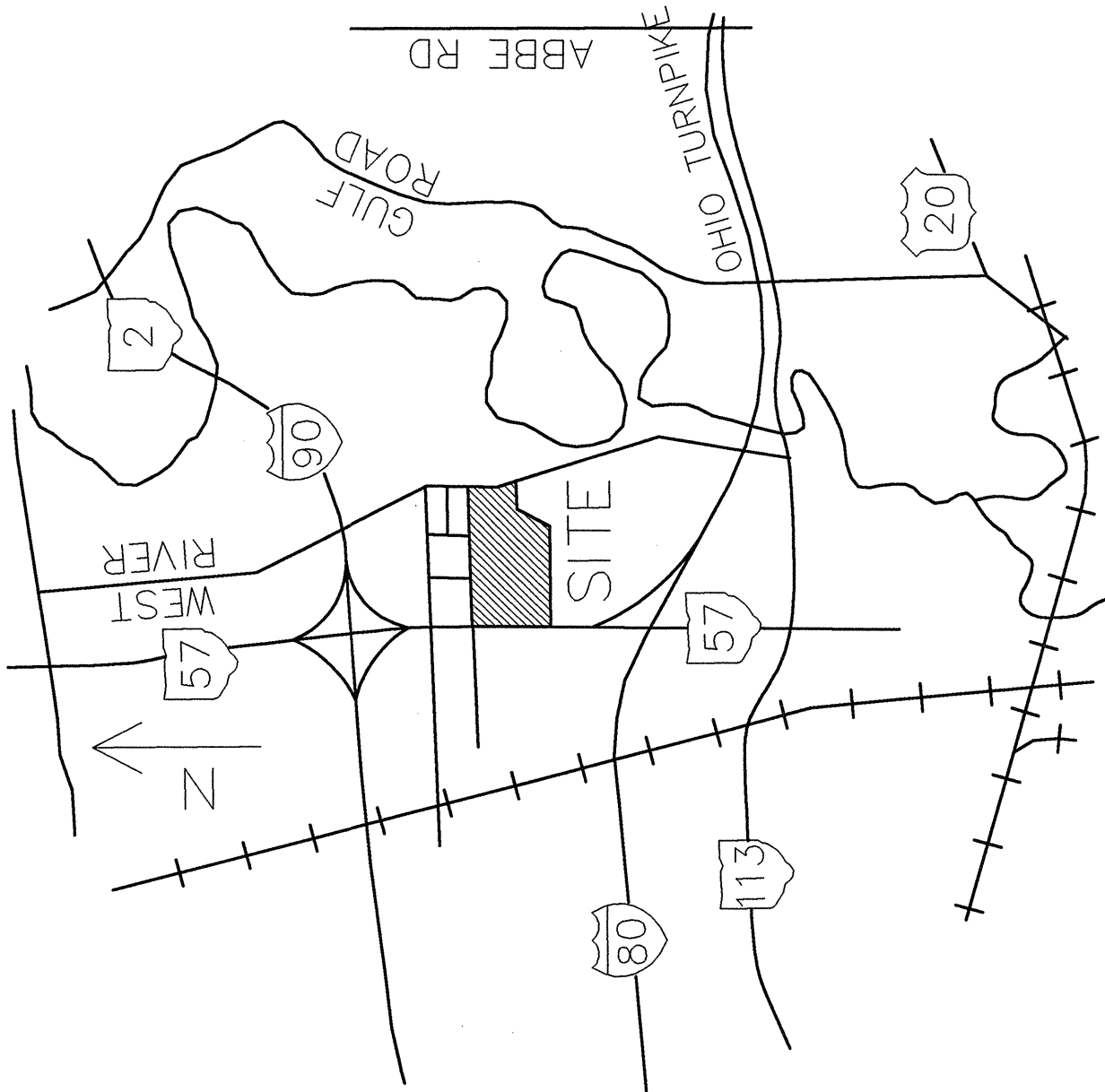
COVER SHEET

Job No.	Date	Scale
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AOO-0

LEGAL DESCRIPTION

SITE MAP



PROJECT SUMMARY :

AREA TABULATION
NEW EXPANSION BUILDING: 25,780 S.F. ✓

OCCUPANCY GROUP
MERCANTILE GROUP *M* ✓

MINIMUM CONSTRUCTION TYPE
MINIMUM CONSTRUCTION TYPE FOR NEW EXPANSION:
TYPE II B UNPROTECTED
FULLY SPRINKLERED ✓

OCCUPANT LOADS
PER TAB. 1003.2.2 ✓

FIRE RESISTIVE REQUIREMENTS

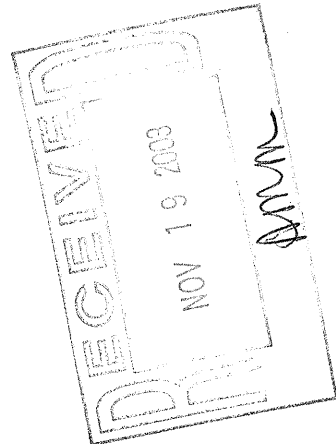
- | 1. STRUCTURAL FRAME | NR | PER TABLE 601 |
|-------------------------------|----|---------------|
| 2. ROOF CONSTRUCTION | NR | PER TABLE 601 |
| 3. EXTERIOR NON BEARING WALLS | NR | PER TABLE 602 |

PROJECT DIRECTORY :

DEVELOPER/ ARCHITECT :	WESTFLO CORPORATION, INC. 11601 MILSHIRE BOULEVARD, 12TH FLOOR LOS ANGELES, CALIFORNIA 90025 (310)478-4456 KEITH RAY
GEOTECHNICAL ENGINEER	SME 43980 PLYMOUTH OAKS BLVD. PLYMOUTH, MI 48170 (419) 897-0409 JOEL RINKEL
SURVEYOR	SSOE 1001 MADISON AVE. TOLEDO, OHIO 42624 PHONE(419) 255-3830 FAX(419)255-6101 CHARLIE HARTMAN, PE, PS
CIVIL ENGINEER	SSOE 1001 MADISON AVE. TOLEDO, OHIO 42624 PHONE(419) 255-3830 FAX(419)255-6101 CHARLIE HARTMAN, PE, PS
STRUCTURAL ENGINEER	SSOE 1001 MADISON AVE. TOLEDO, OHIO 42624 PHONE(419) 255-3830 FAX(419)255-6101 MATT SENECALE, PE
MECHANICAL ENGINEER	SSOE 1001 MADISON AVE. TOLEDO, OHIO 42624 PHONE(419) 255-3830 FAX(419)255-6101 MICHELLE GARBERS, PE
ELECTRICAL ENGINEER	SSOE 1001 MADISON AVE. TOLEDO, OHIO 42624 PHONE(419) 255-3830 FAX(419)255-6101 ASHKUR THEDKI, PE
PLUMBING ENGINEER	SSOE 1001 MADISON AVE. TOLEDO, OHIO 42624 PHONE(419) 255-3830 FAX(419)255-6101 MICHELLE GARBERS, PE

APPLICABLE CODES:

2002 OHIO BUILDING CODE ✓
2002 OHIO MECHANICAL CODE ✓
2002 OHIO PLUMBING CODE ✓
2002 NATIONAL ELECTRICAL CODE ✓
OHIO FIRE CODE ✓
AMERICANS WITH DISABILITIES ACT ✓



Approved As Variation per
Dariusz Gencu

Dariusz Gencu

Dariusz Gencu

**WESTFIELD DESIGN &
CONSTRUCTION**

11601 Wilshire Boulevard, 12th Floor
Los Angeles, California 90025-1748

Telephone 310 478 4456
Facsimile 310 478 4468

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Registration No. 

Consultants

Approvals:

Key Plan:

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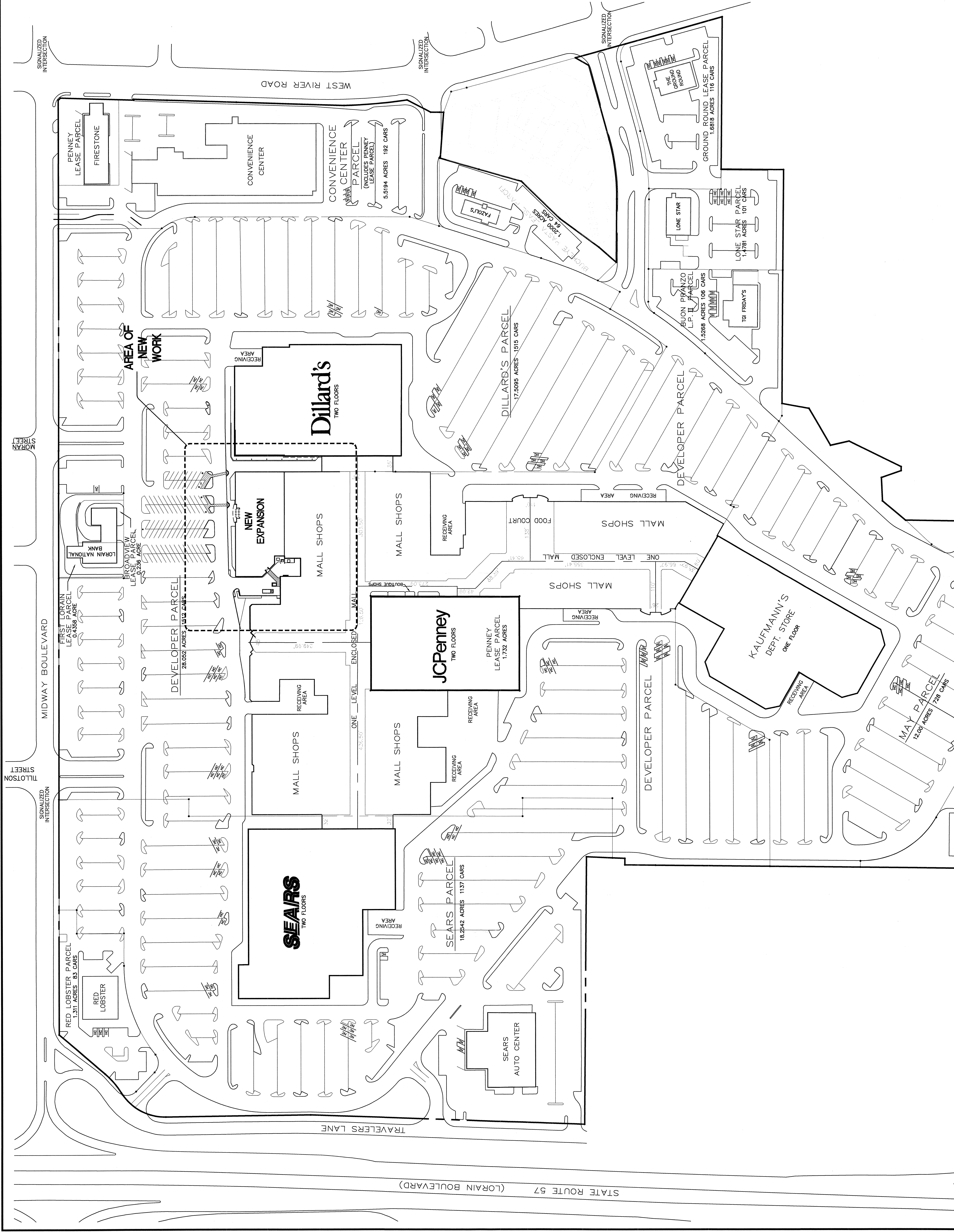
Sheet Title

OVERALL SITE PLAN

David Lee

Job No.	Date	Scale r=80'
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A11-1

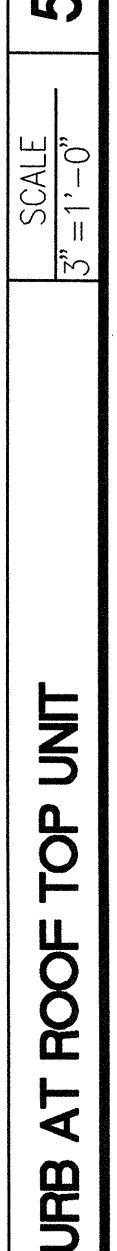
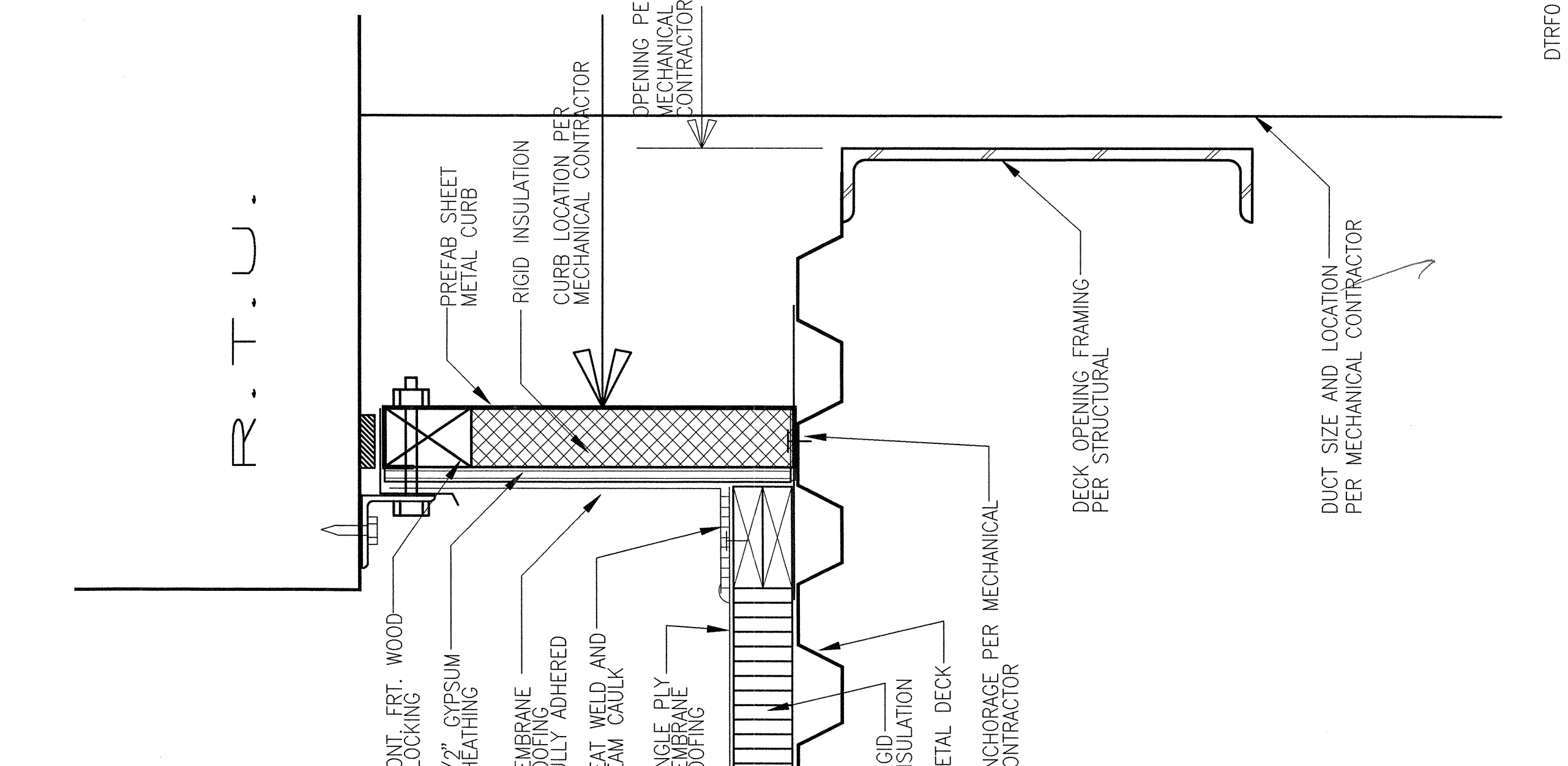
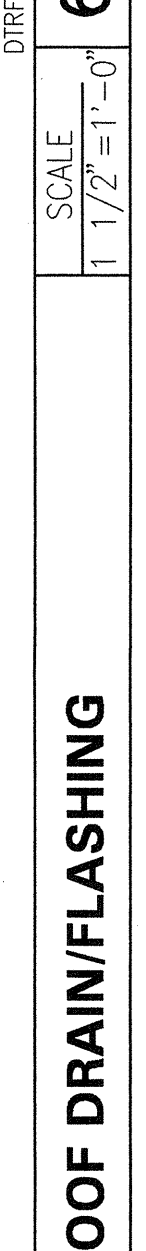
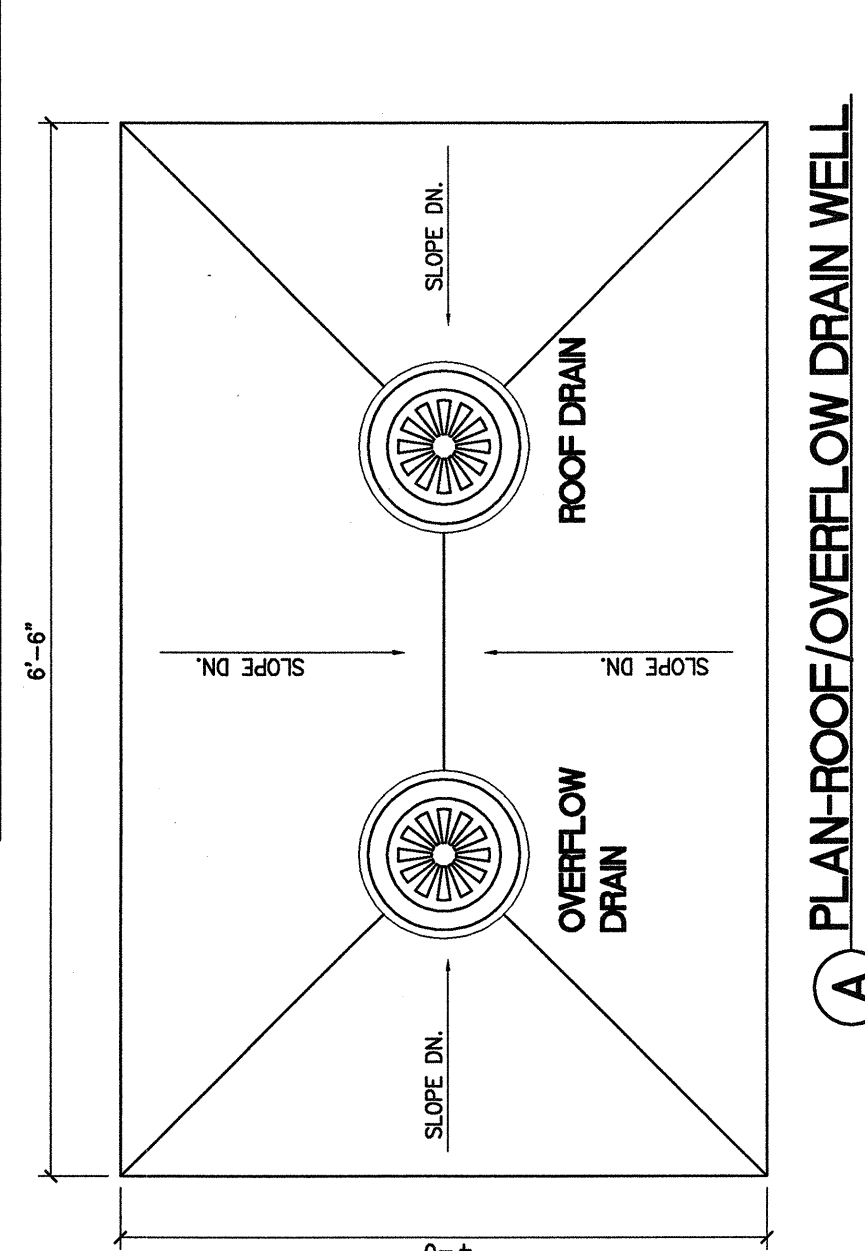
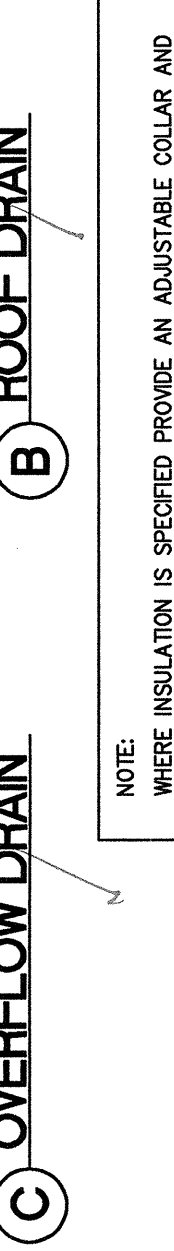
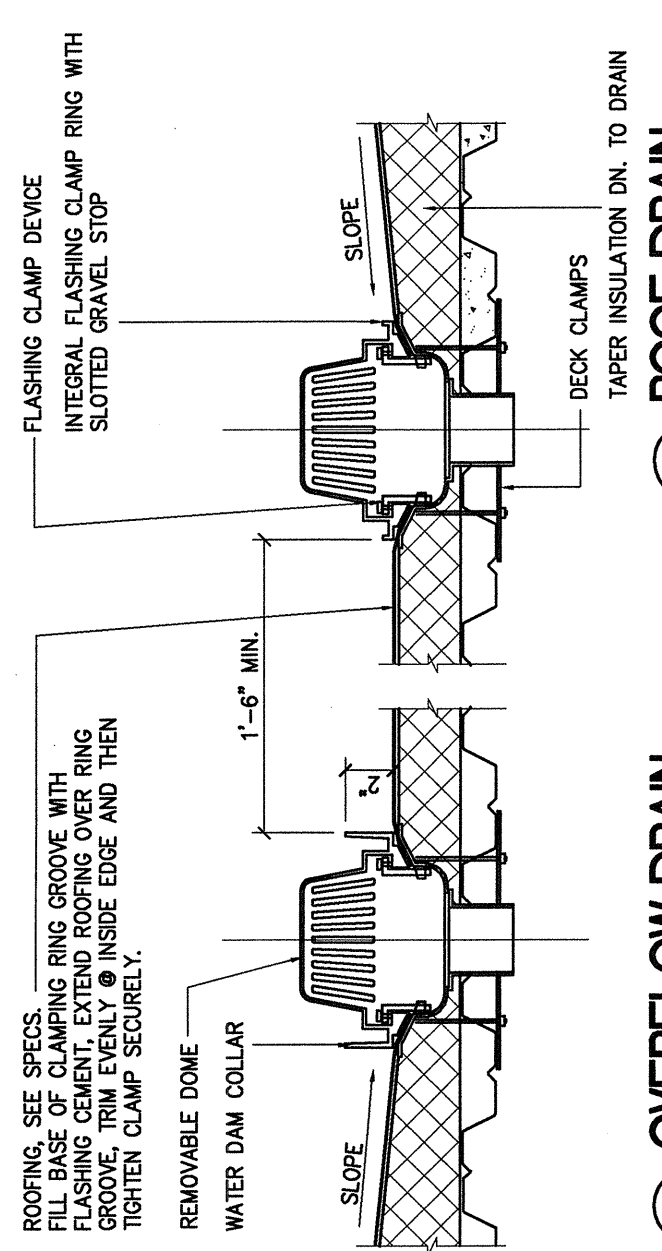
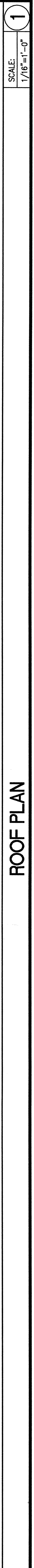
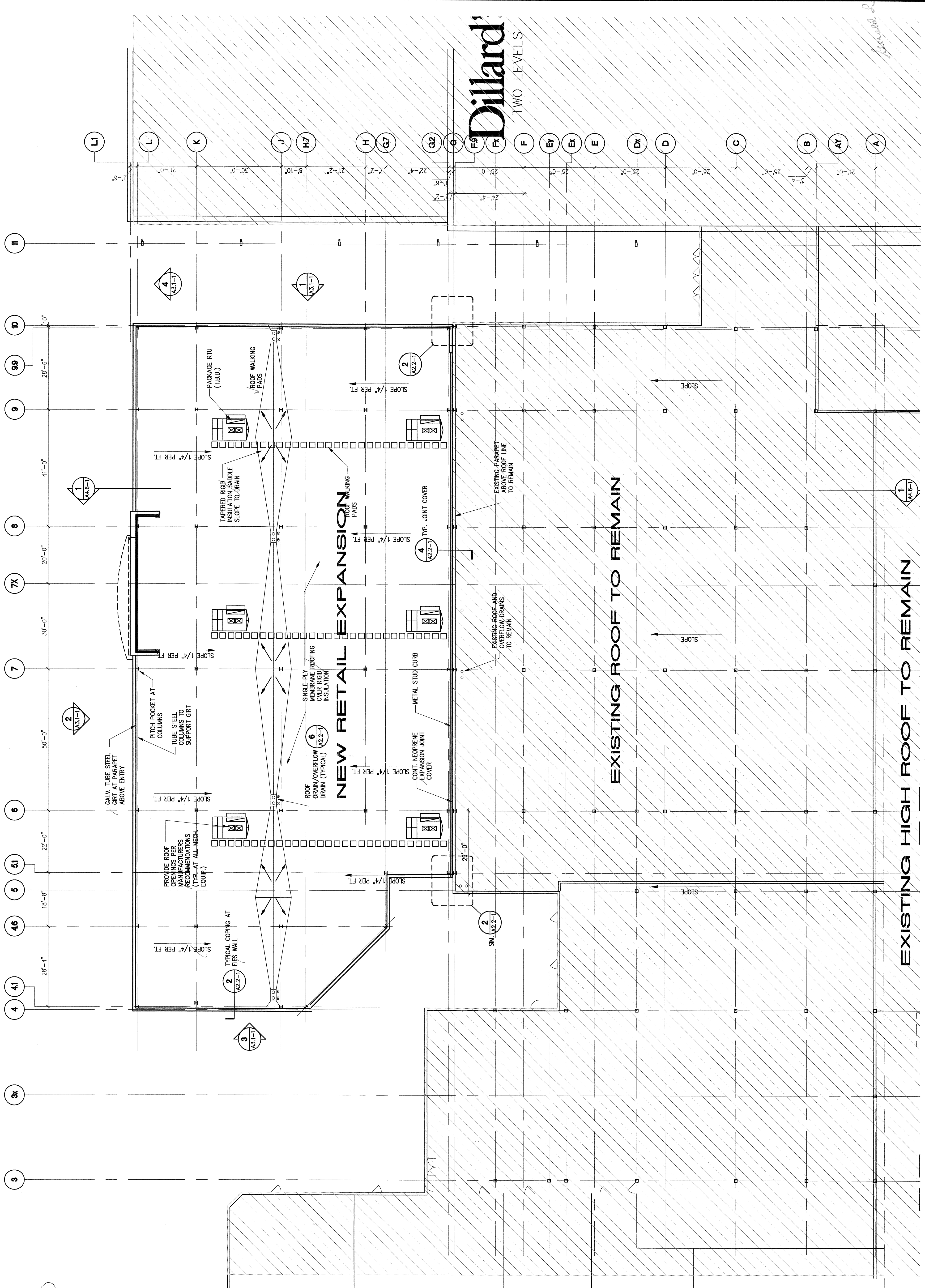
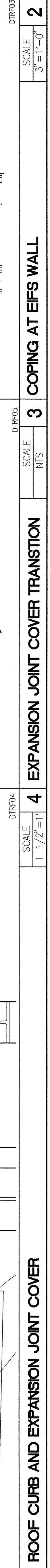
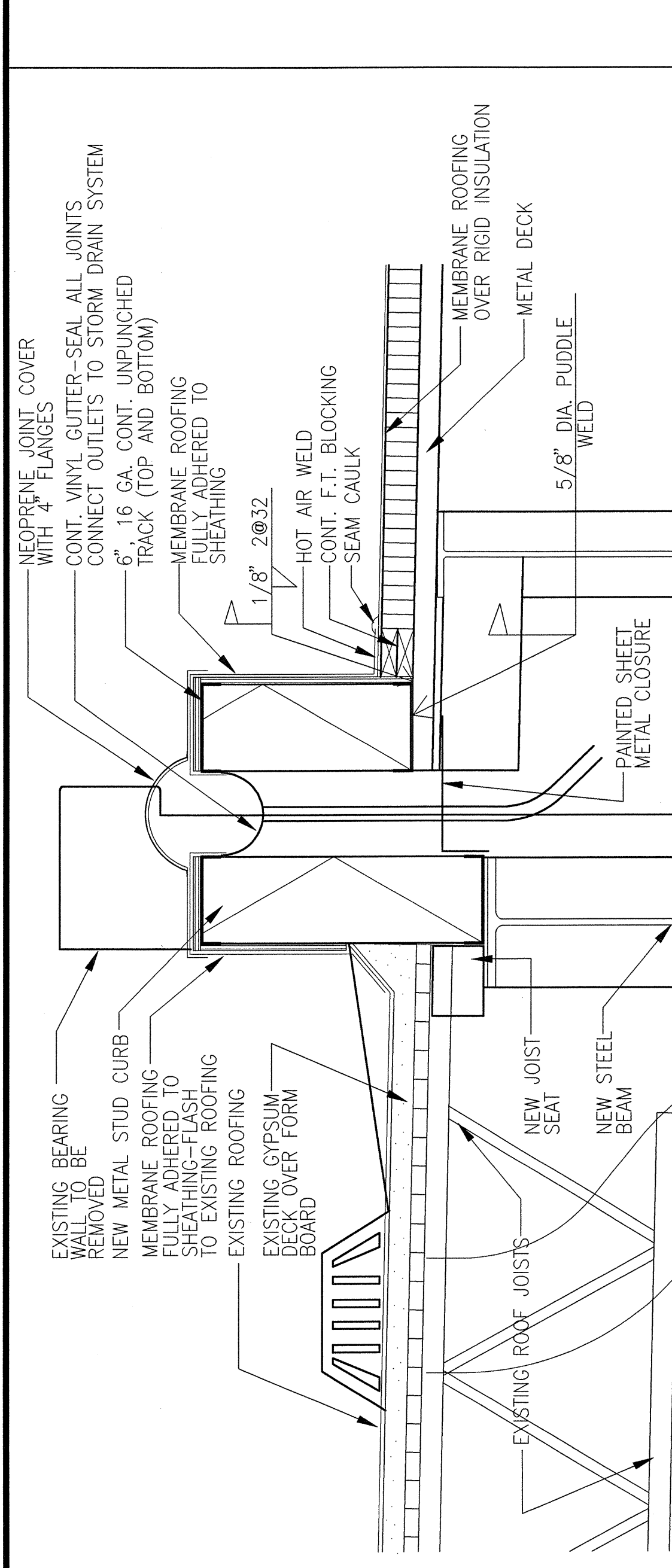
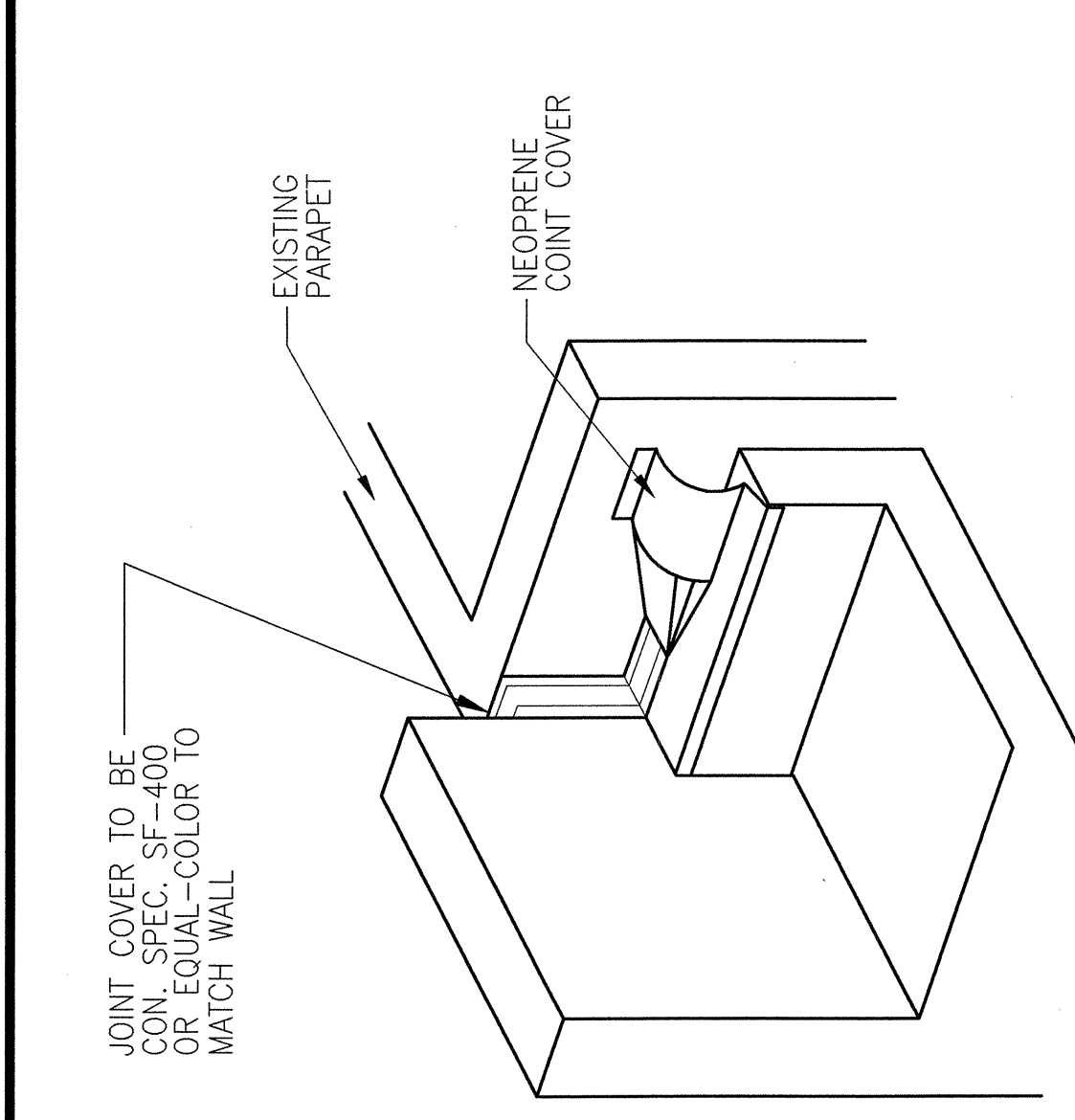
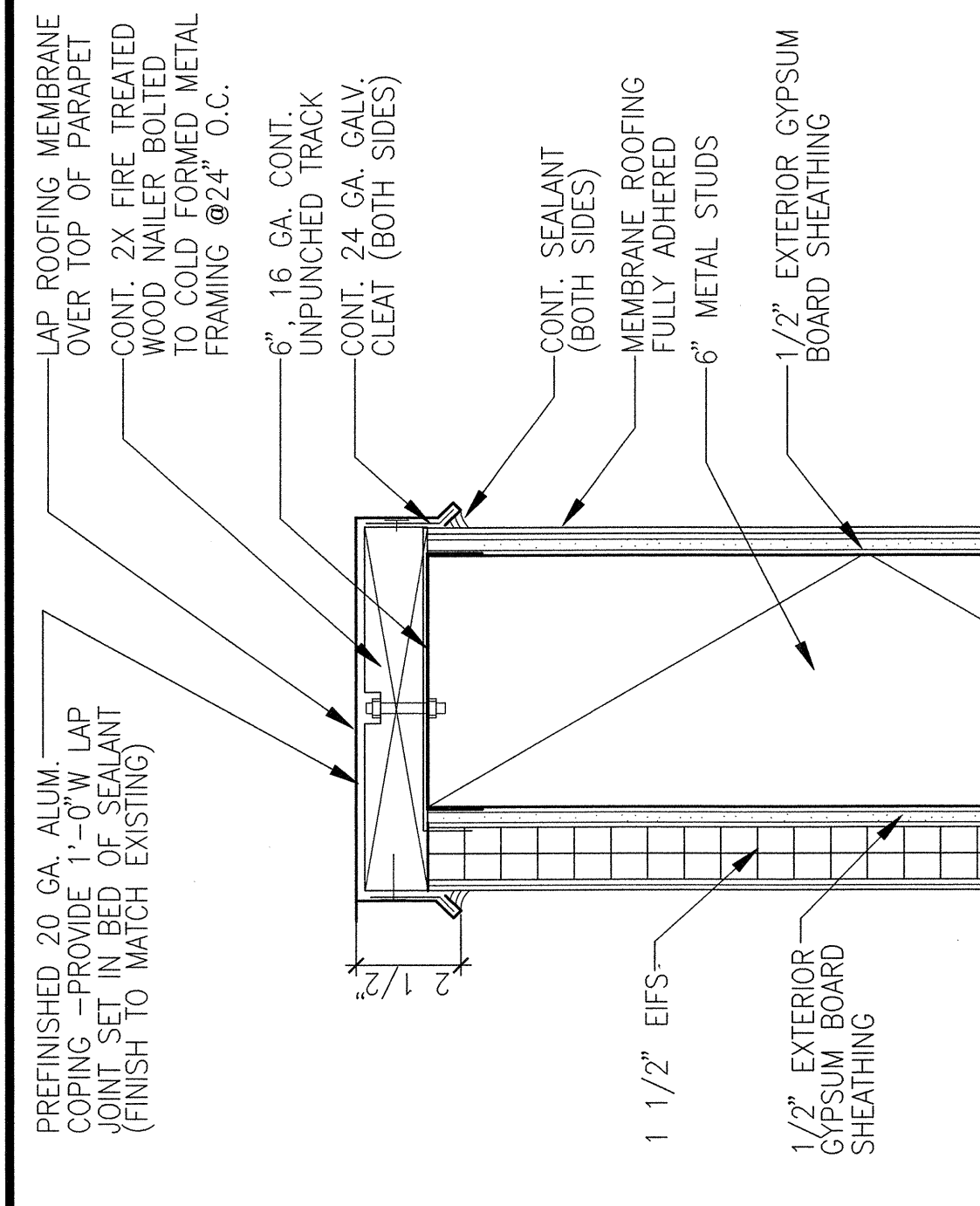


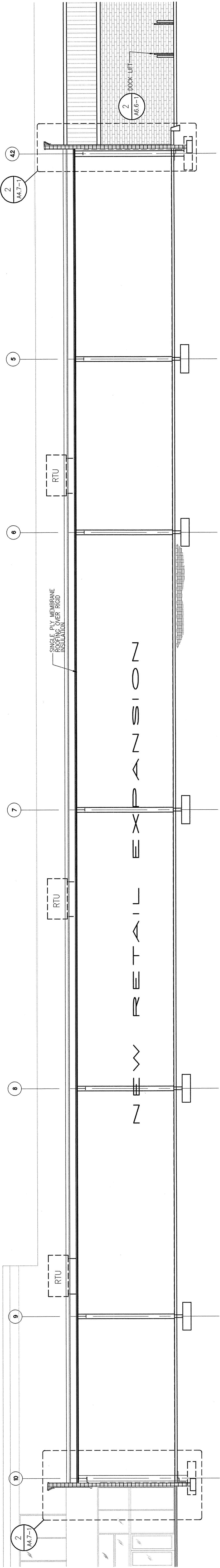
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Sheet Title
**LEVEL 1
FLOOR PLAN**

Job No.	Date	Scale
		1/16"=1'-0"

A2.1-1

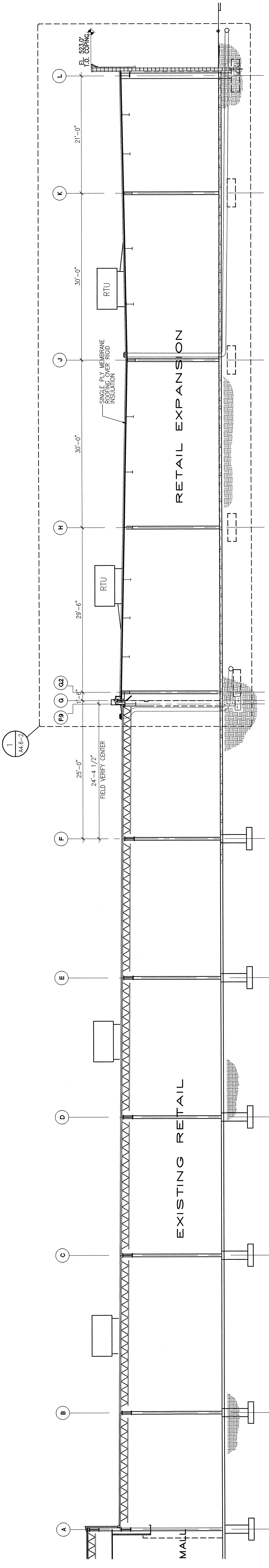




LONGITUDINAL SECTION AT EXPANSION BUILDING

SCALE 1/8"=1'-0"

2

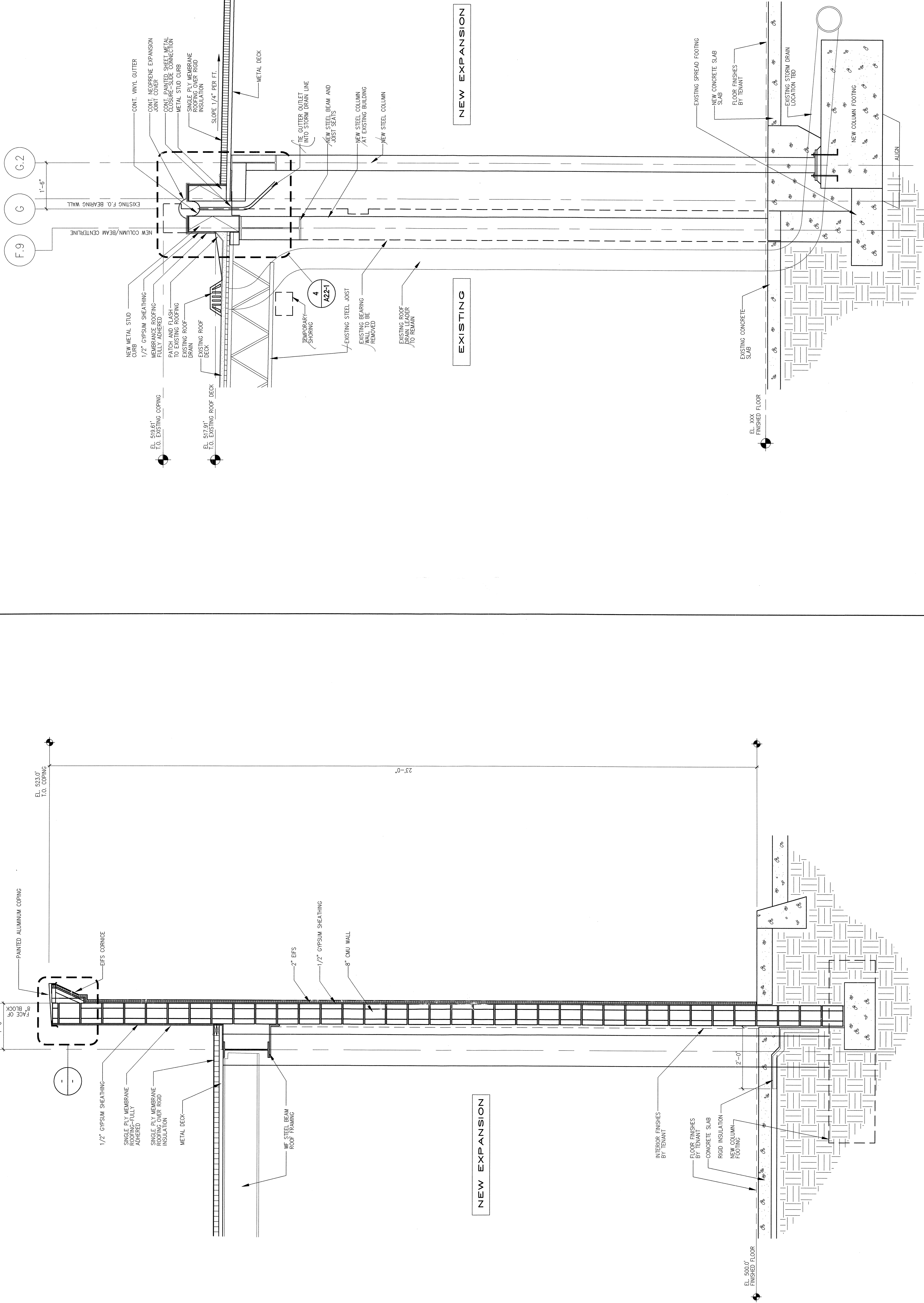


TRANSVERSE BUILDING SECTION AT EXPANSION

SCALE 1/8"=1'-0"

1

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



WALL SECTION AT BRICK VENEER

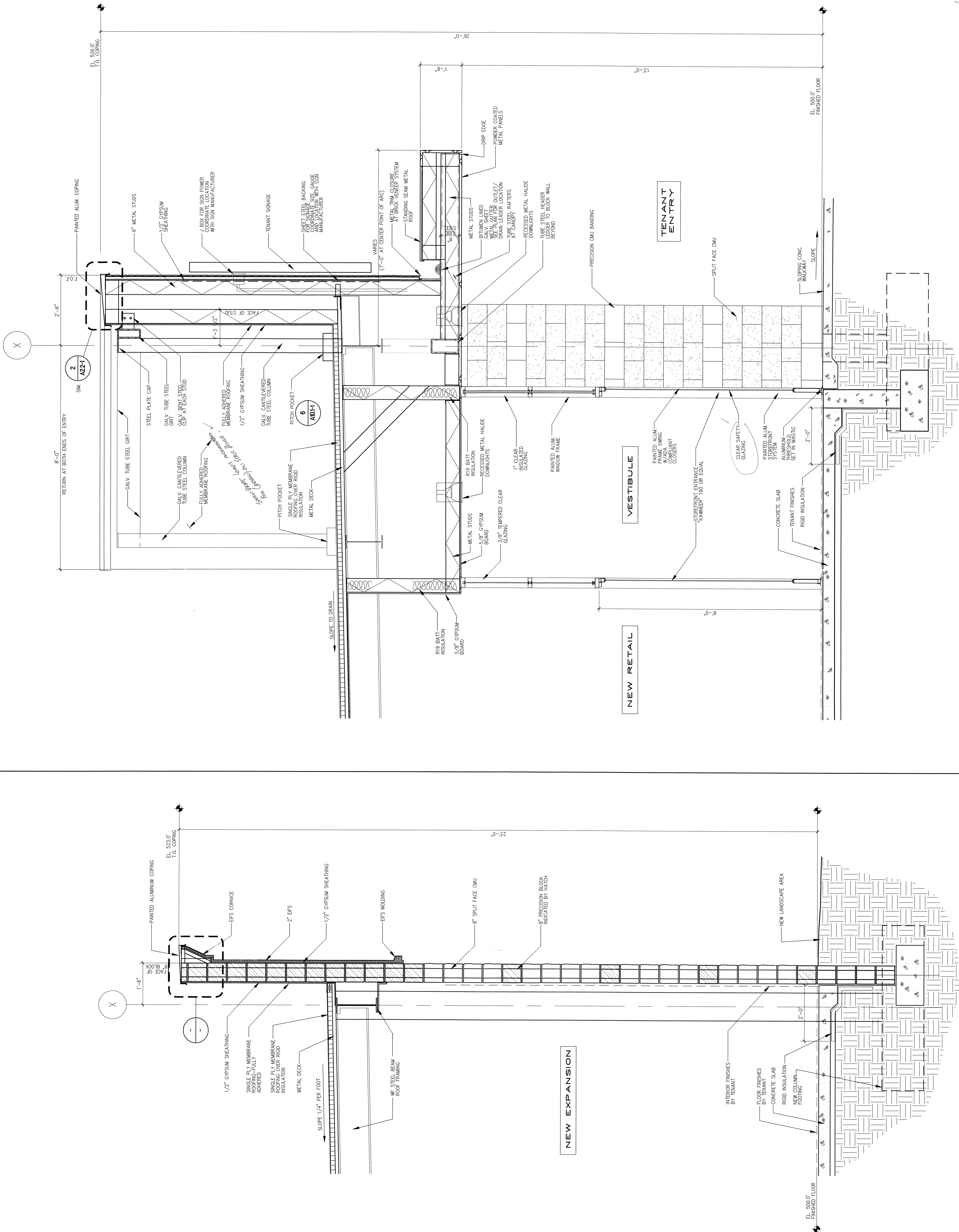
WALL SECTION AT EXISTING BEARING WALL

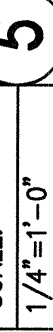
SCALE: 3/4\"=1'-0"

2

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

1





3343 Midway Mall
Ellyls, OH 44035-2456
(440) 324-6610

**WESTFIELD DESIGN &
CONSTRUCTION**

11601 Wilshire Boulevard, 12th Floor
Los Angeles, California 90025-1748

Telephone 310 478 4456
Facsimile 310 478 4468

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Registration No.

on No. 11.17-03

Consultants

Approvals:

Key Plan:

No.	By	Date	Revision
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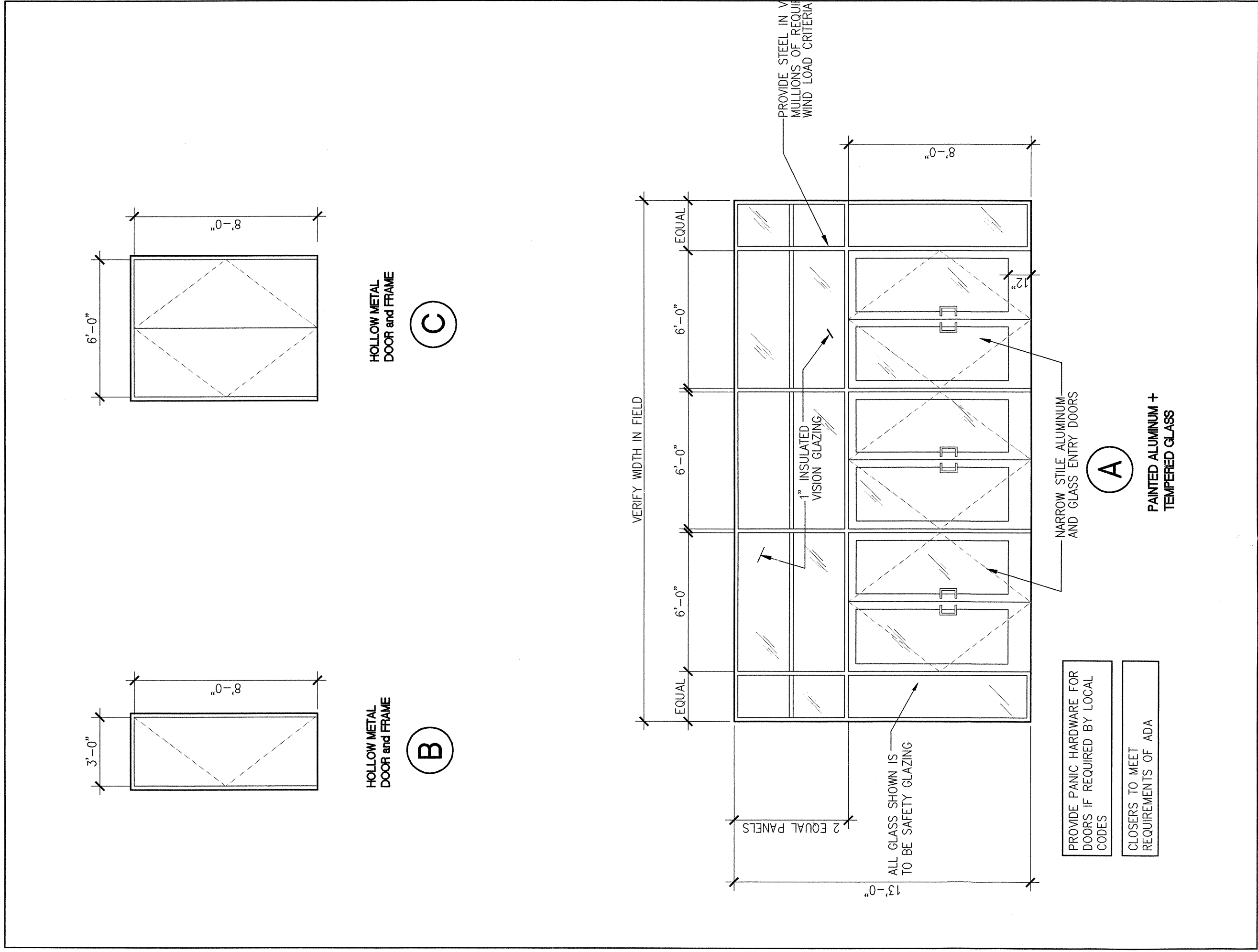
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**DOOR SCHEDULE/
NOTES,**

DOOR TYPES AND DETAILS

Job No.	Date	Scale AS NOTED
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A8.2-1



DOOR TYPES

EXT. DOORS SHALL BE AT LEAST 34" IN CLEAR W/TH. (NFA 101, SECTION 5-2.1.3.1).
EXIT DOOR SHALL NOT REQUIRE THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR EFFORT FOR OPERATION WITHIN THE BUILDING (NFA 101, SECTION 5-2.1.5.1).
A LATCH OR OTHER FASTENING DEVICE ON A DOOR SHALL BE PROVIDED WITH A KNIB, HANDLE, PANK BAR, OR OTHER SIMPLE TYPE OF RELEASING DEVICE HAVING AN OBVIOUS METHOD OF OPERATION UNDER ALL LIGHTING CONDITIONS. DOORS SHALL BE OPERABLE WITH ONE HAND FROM ONE RELEASING OPERATION (NFA 101, SECTION 5-2.1.5.2).
FLOOR ON BOTH SIDES OF ALL DOORWAYS SHALL BE SUBSTANTIALLY LEVEL, AND SHALL HAVE THE SAME ELEVATION ON BOTH SIDES OF THE DOORWAY FOR DISTANCE AT LEAST EQUAL TO THE WIDTH OF THE DOORWAY (NFA 101, SECTION 5-2.1.5.3.3).

GENERAL NOTES

DOOR	FRAME					DOOR THICKNESS	SILL DETAIL	HEAD DETAIL	JAMB DETAIL	MSC.						REMARKS
	DOOR NUMBER	DOOR TYPE	FIRE RATING (MIN.)	MATERIAL	WIDTH					HEIGHT	WEATHERSTRIPPING	SMOKE SEALS	KEY LOCK	CLOSER	PANIC HARDWARE	
1	B	-	1H	18'-0"	8'-0"	3/4"					•	•	•			
2	A	-	1H/2H	18'-0"	8'-0"	3/4"					•	•	•			
3	A	-	1H/2H	18'-0"	8'-0"	3/4"					•	•	•			

DOOR SCHEDULE

Consultants

Approvals:

Key Plan:

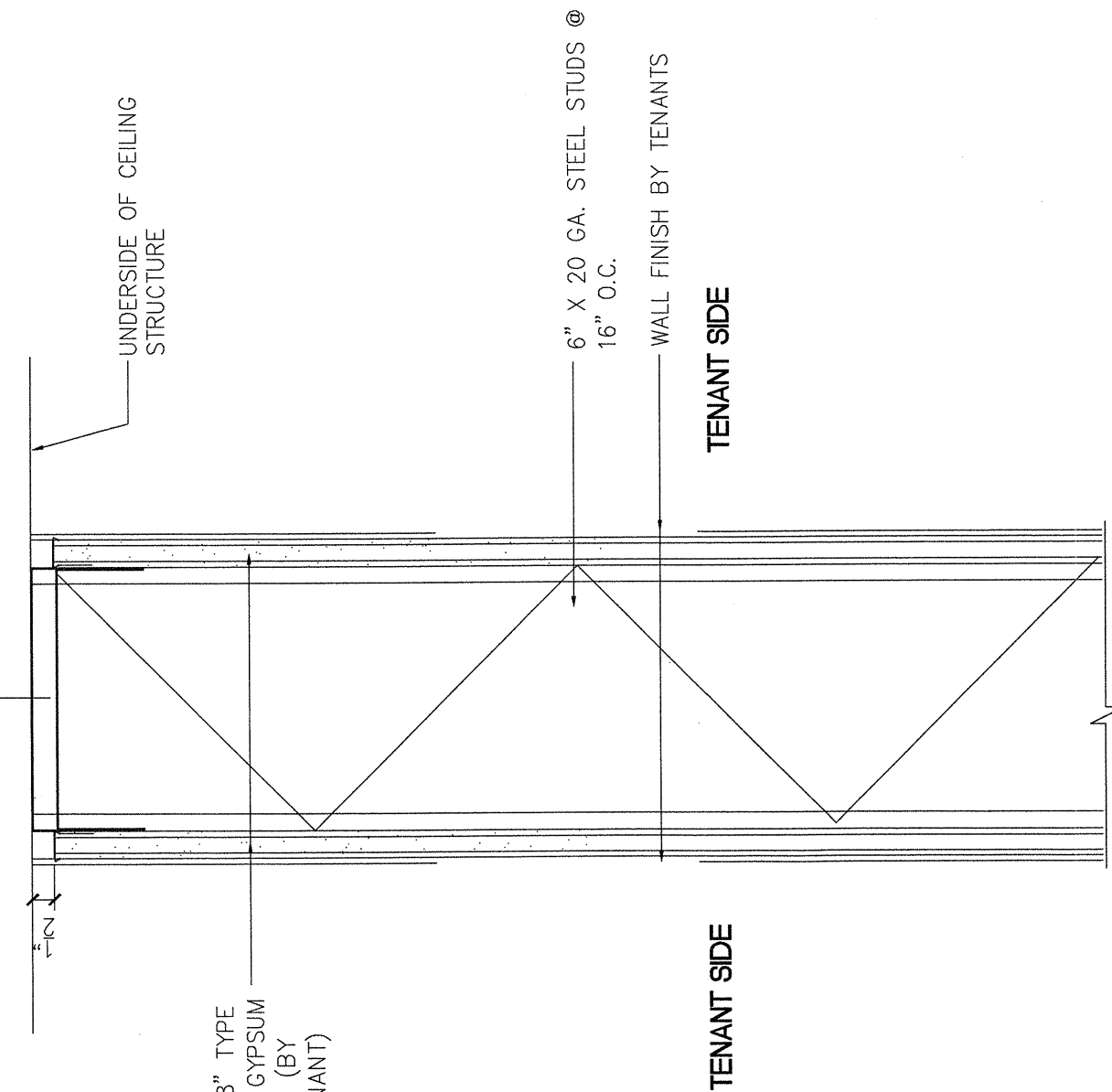
No. By Date Revision

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MISC. DETAILS

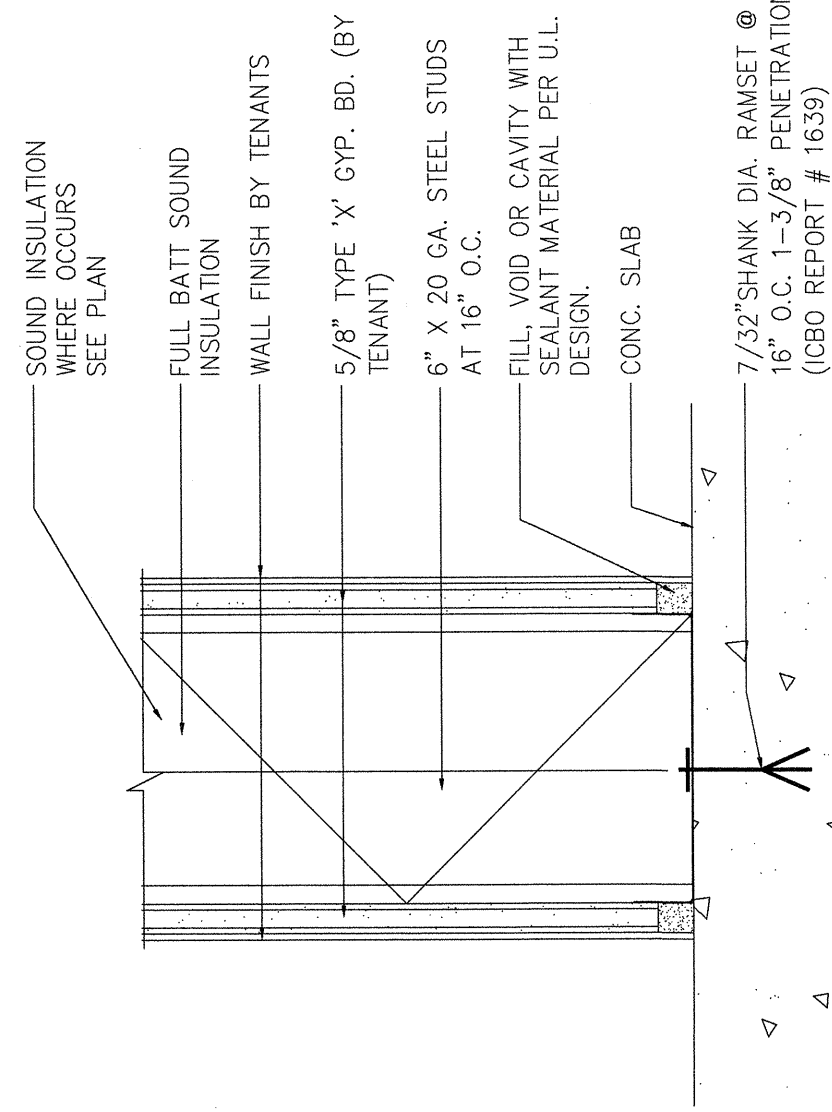
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Job No. Date Scale
AS NOTED

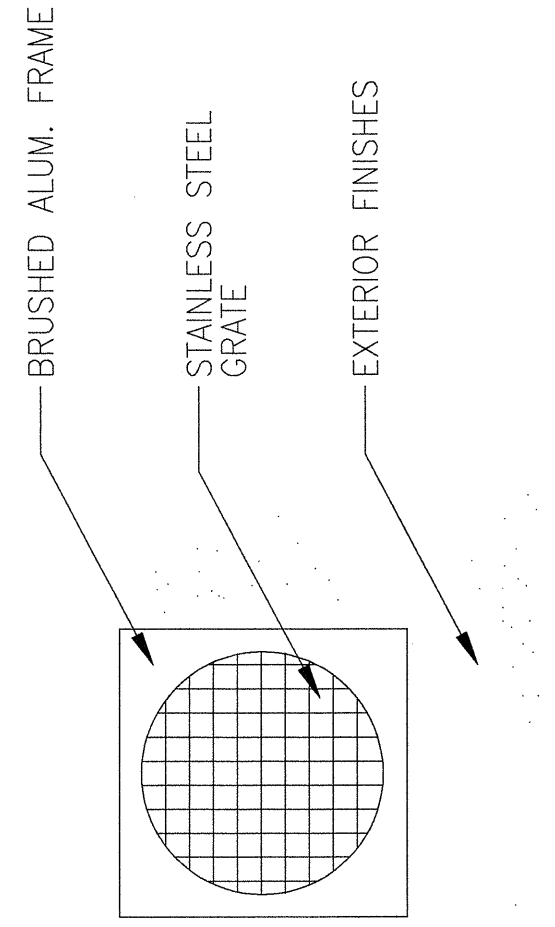
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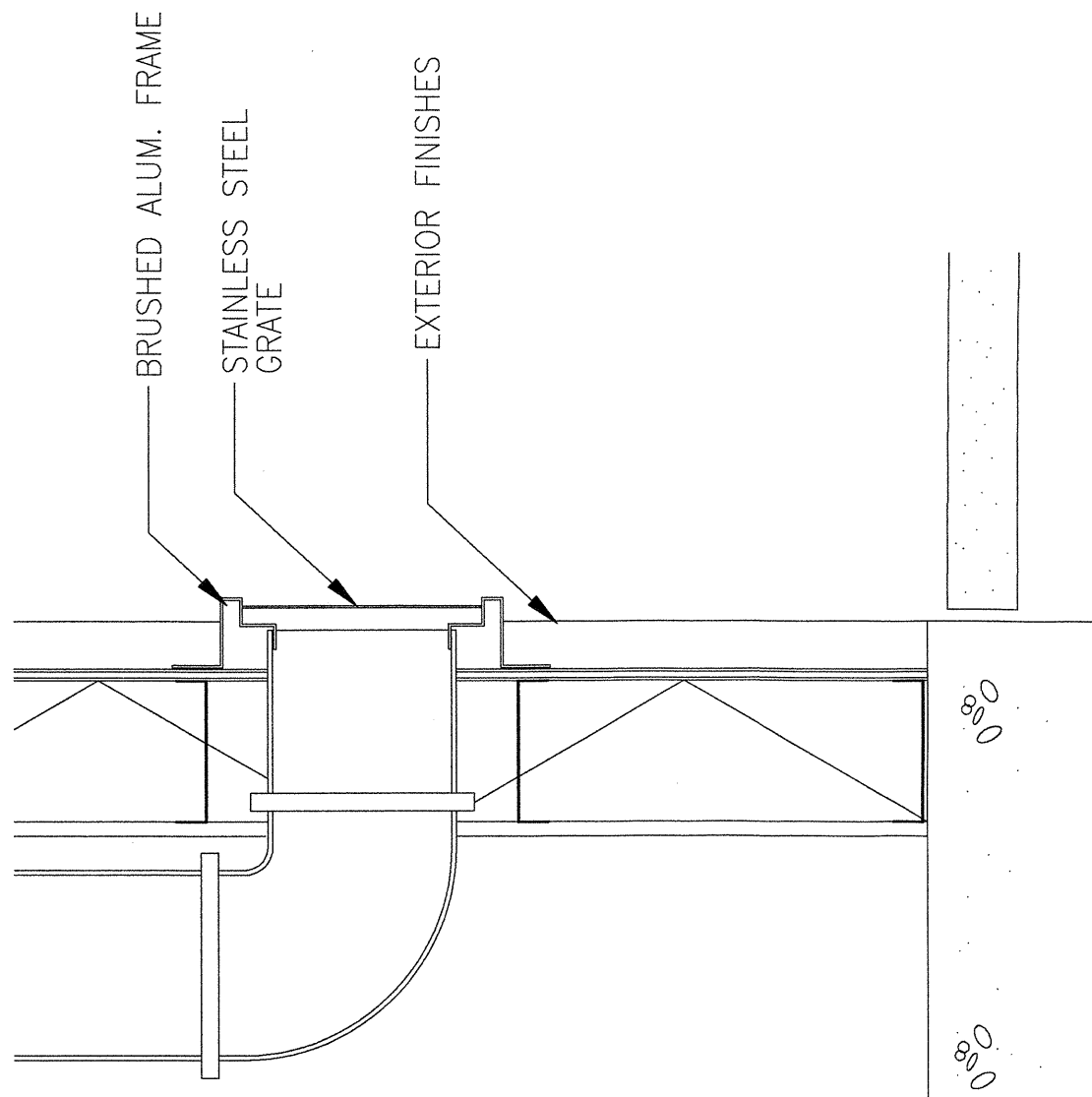
A AT TOP CONNECTION



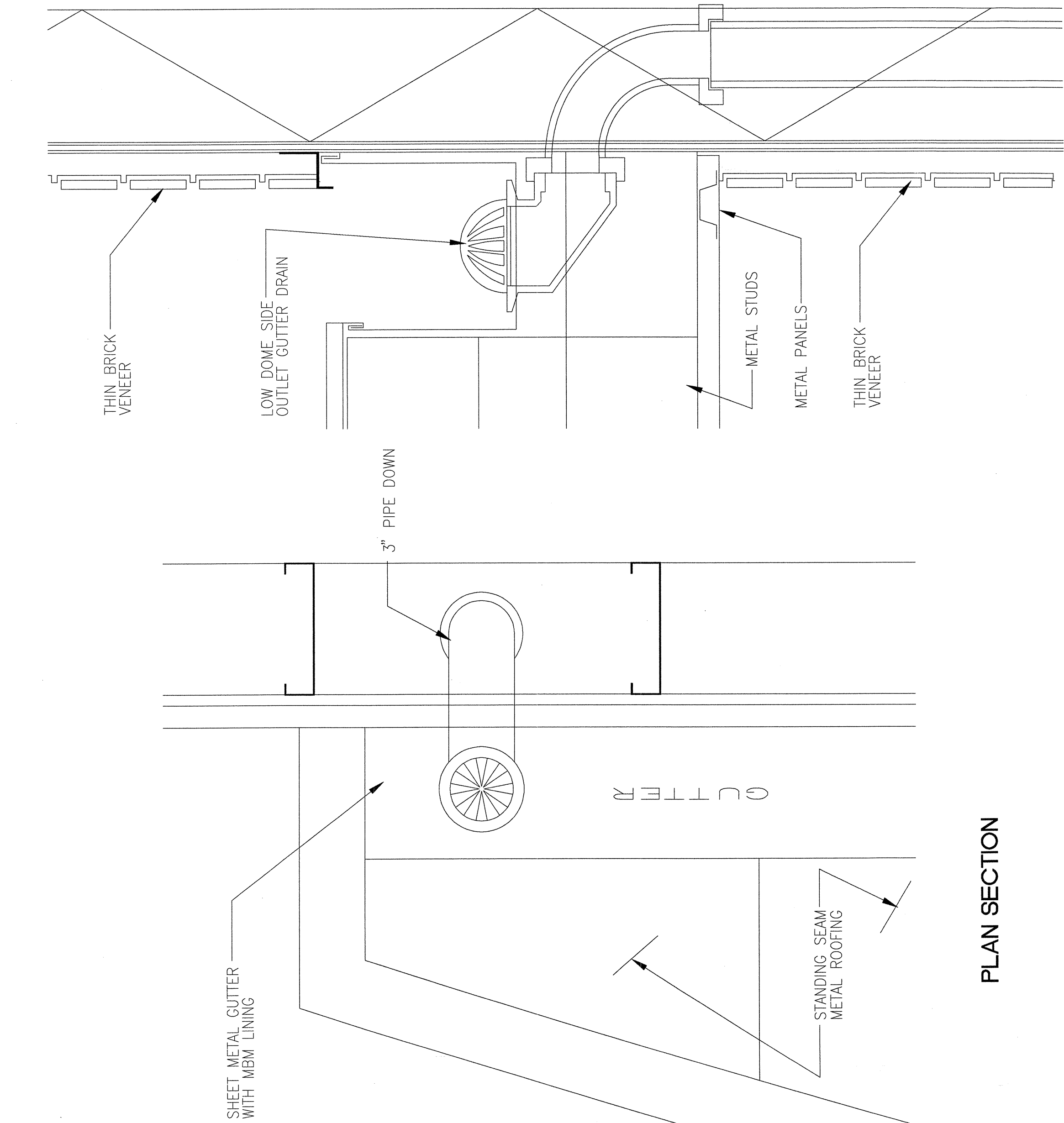
B AT BOT. CONNECTION



ELEVATION

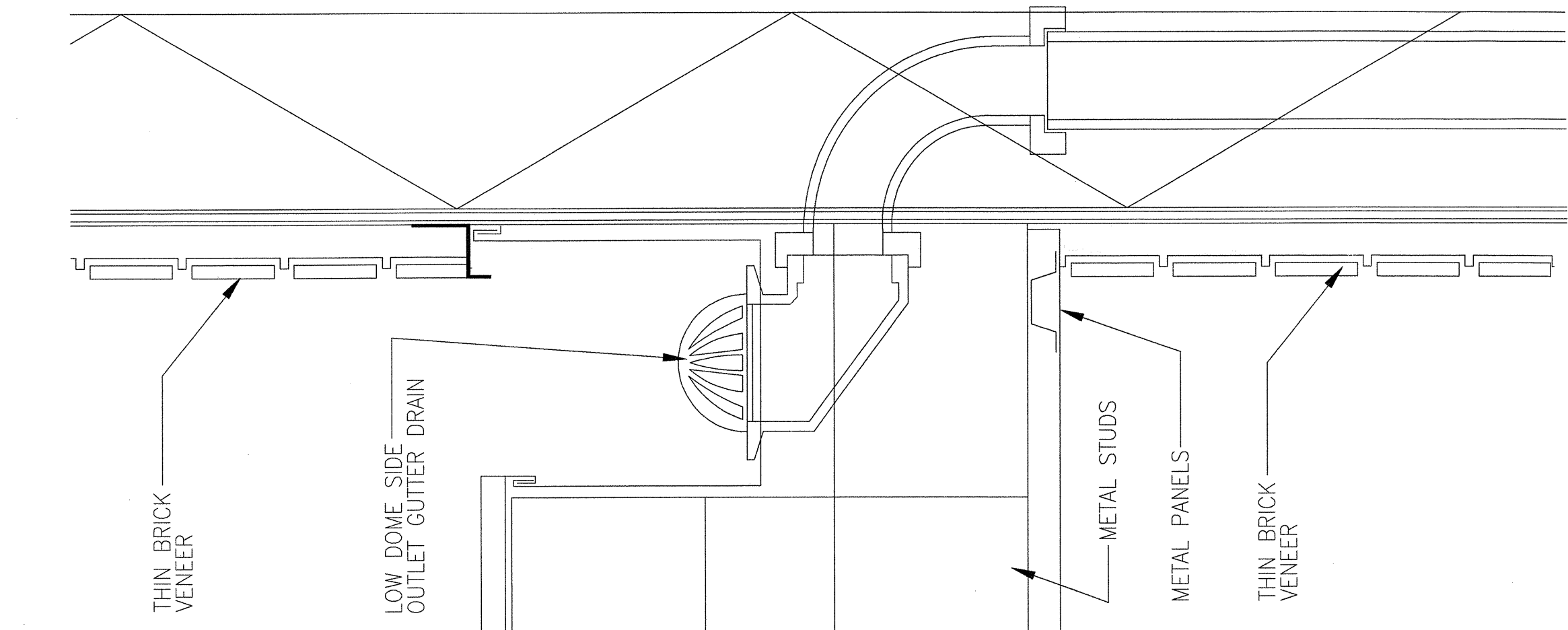
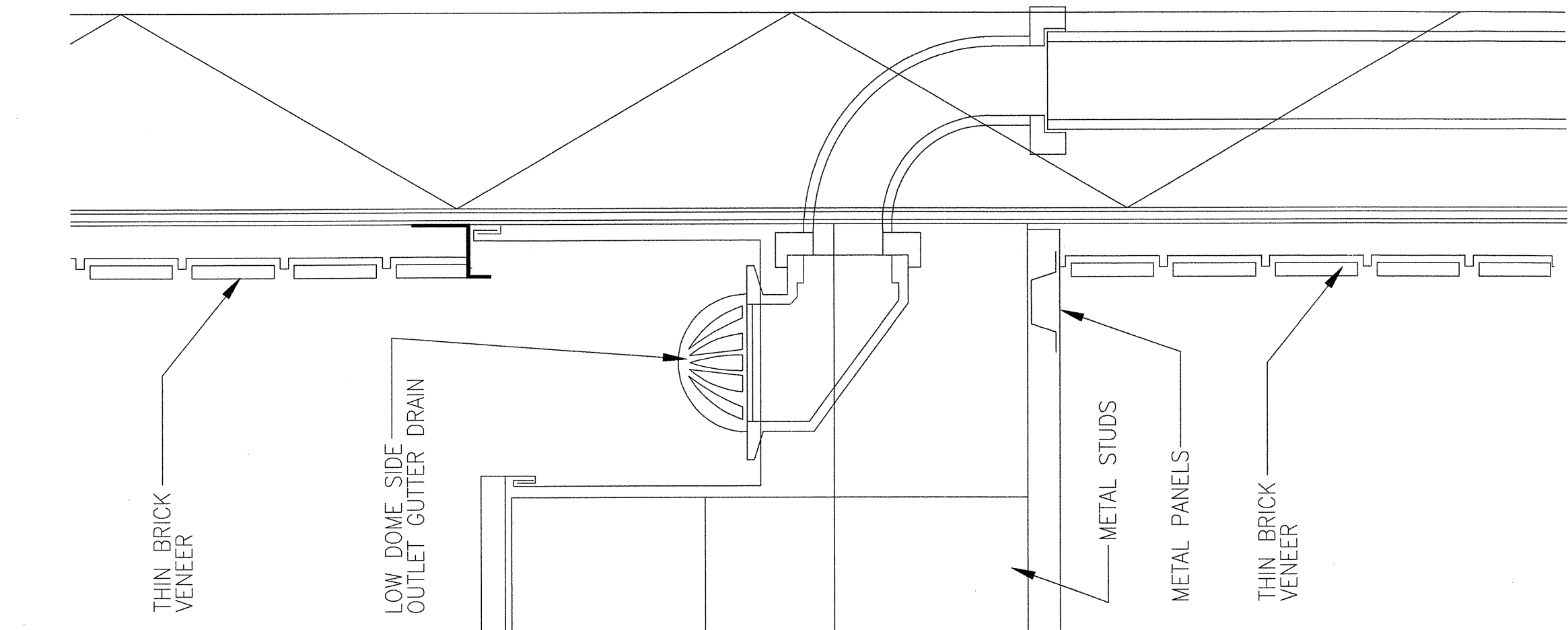
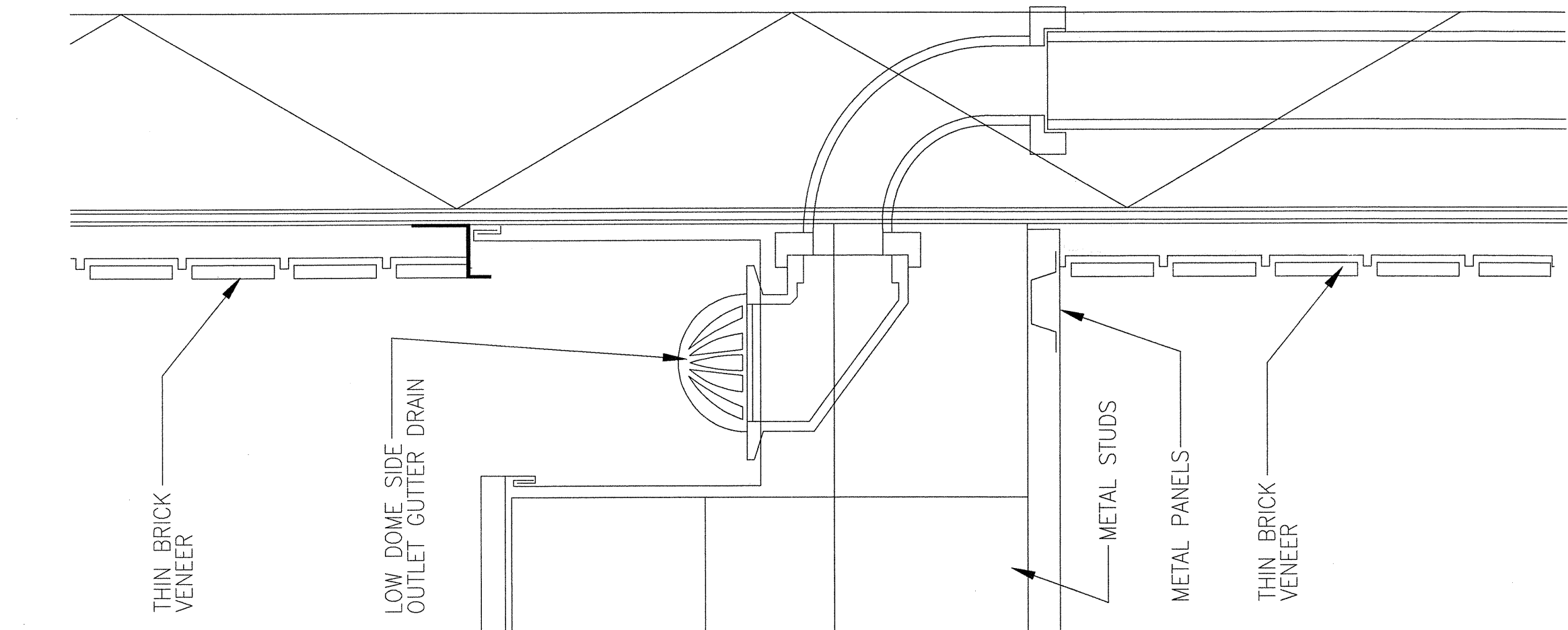
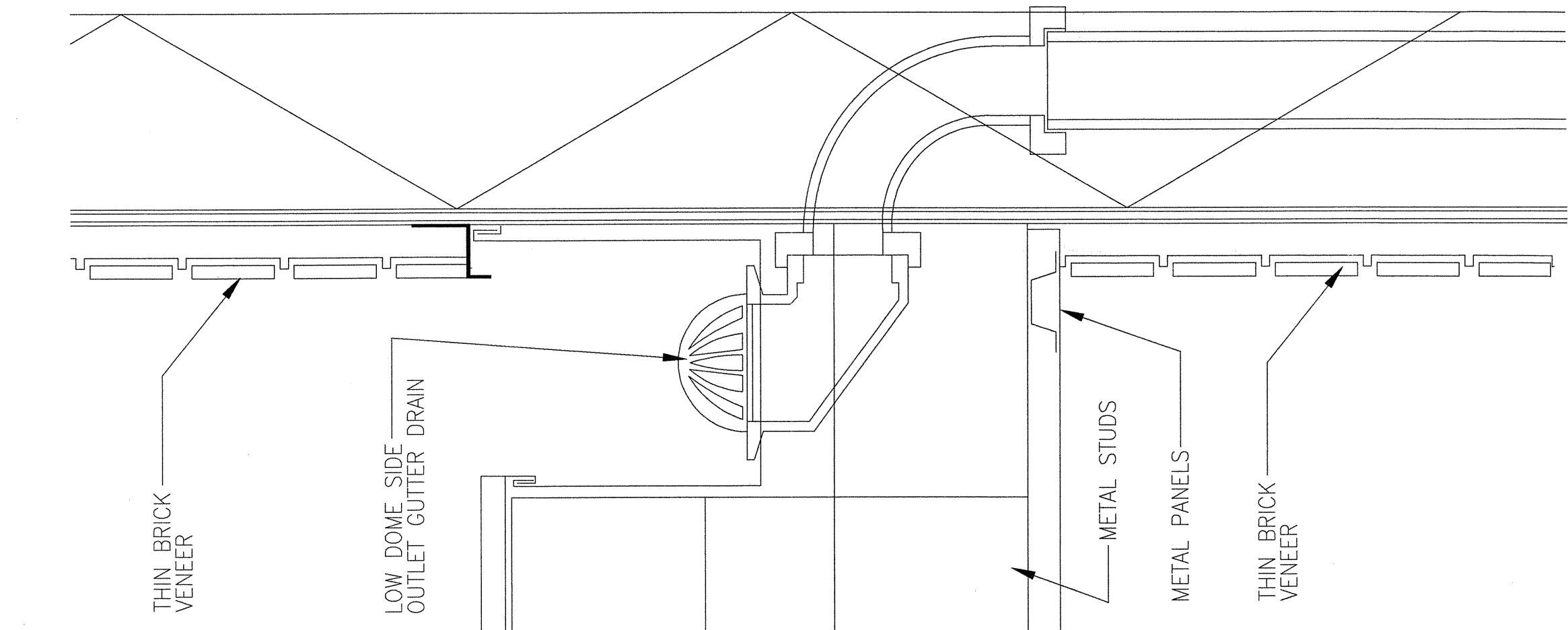
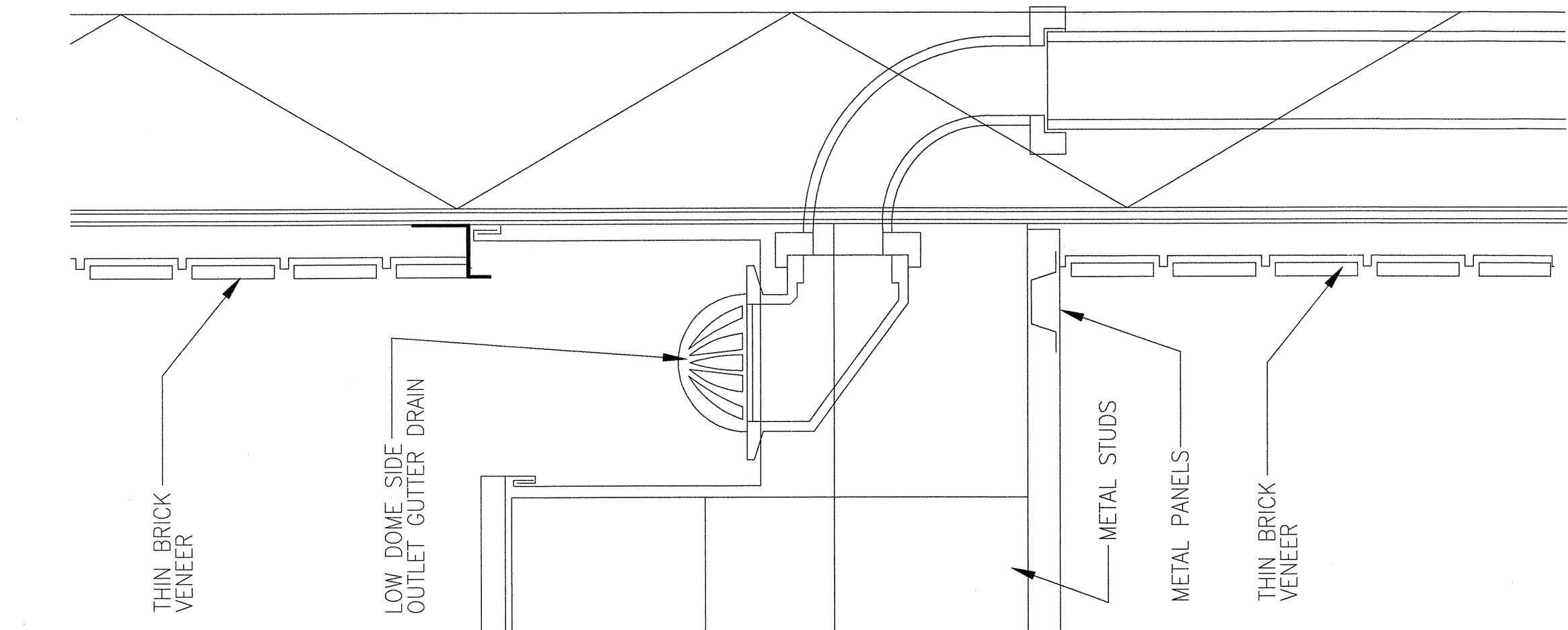
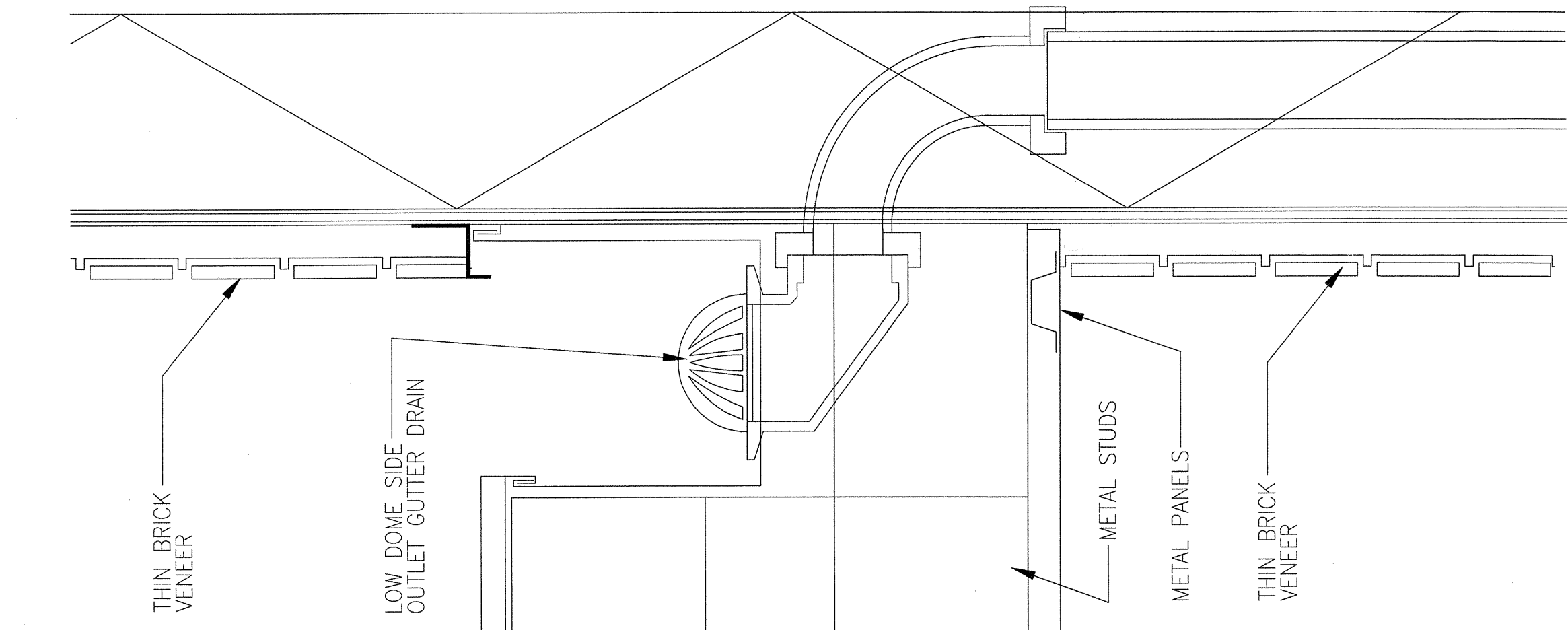
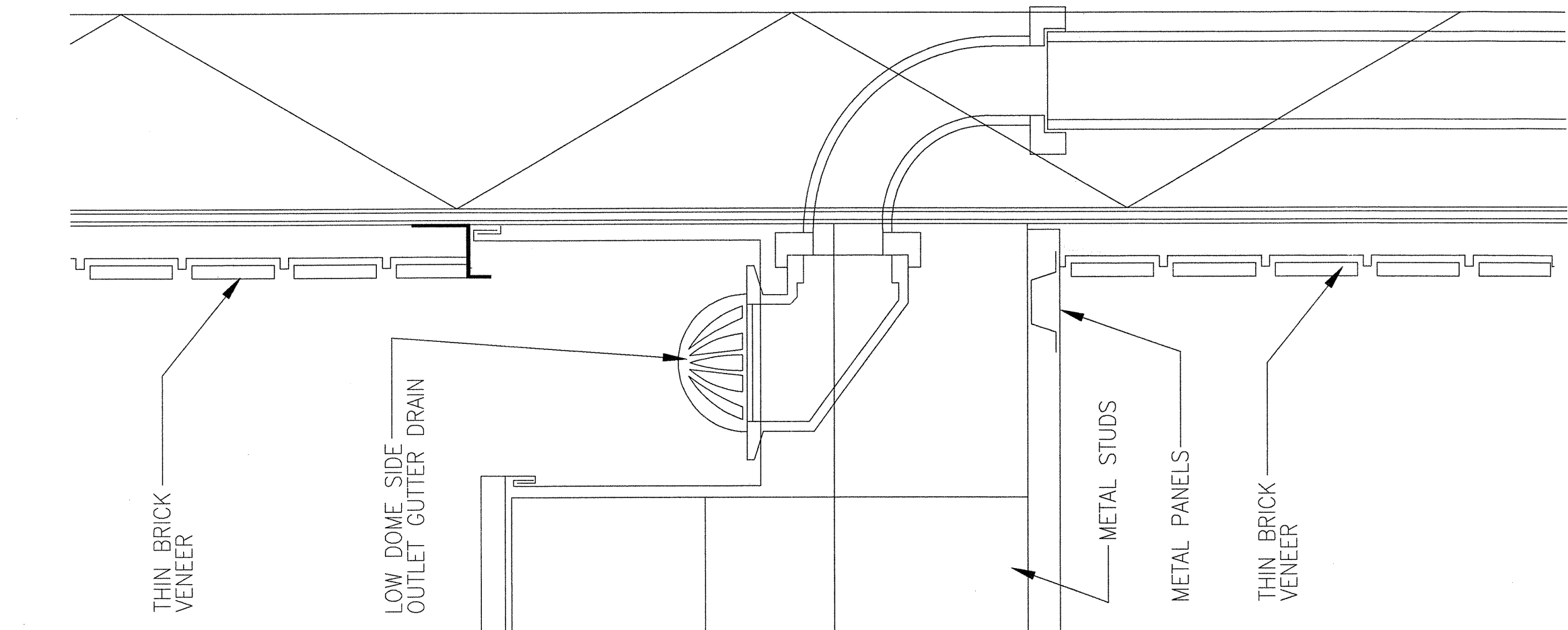
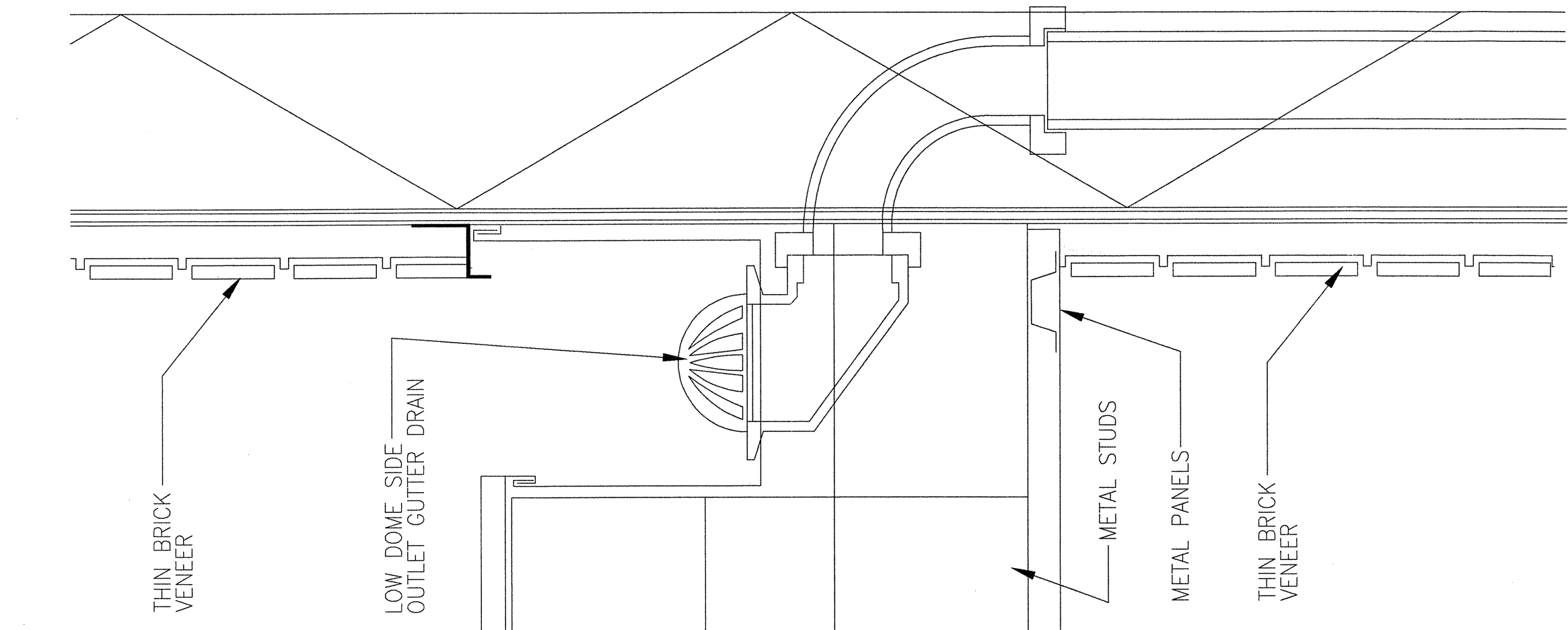
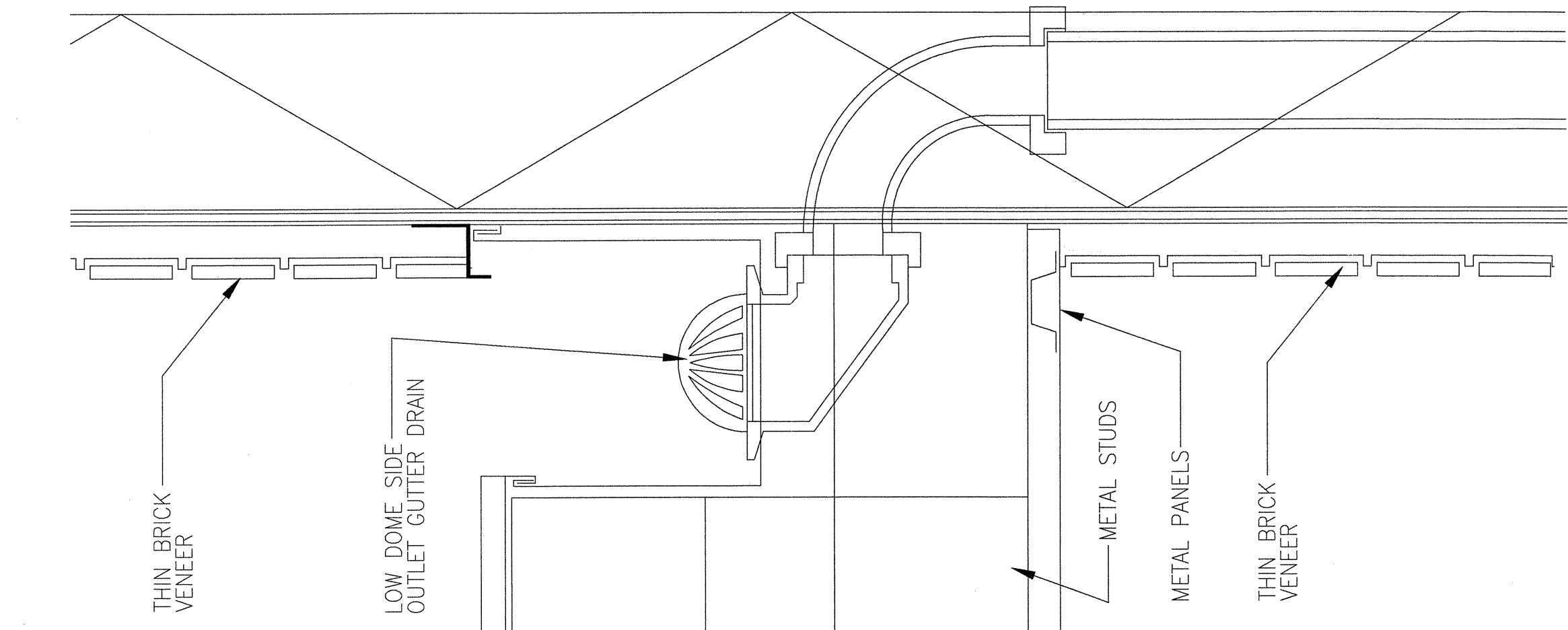
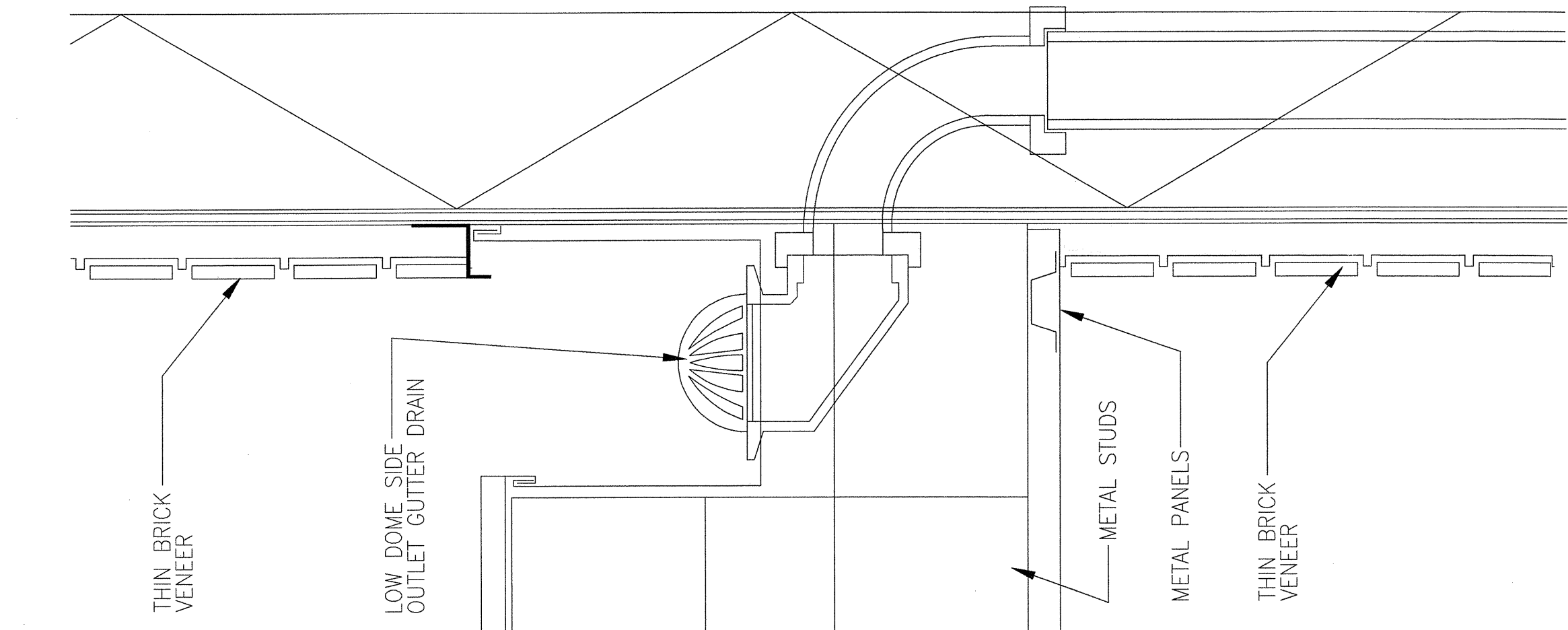
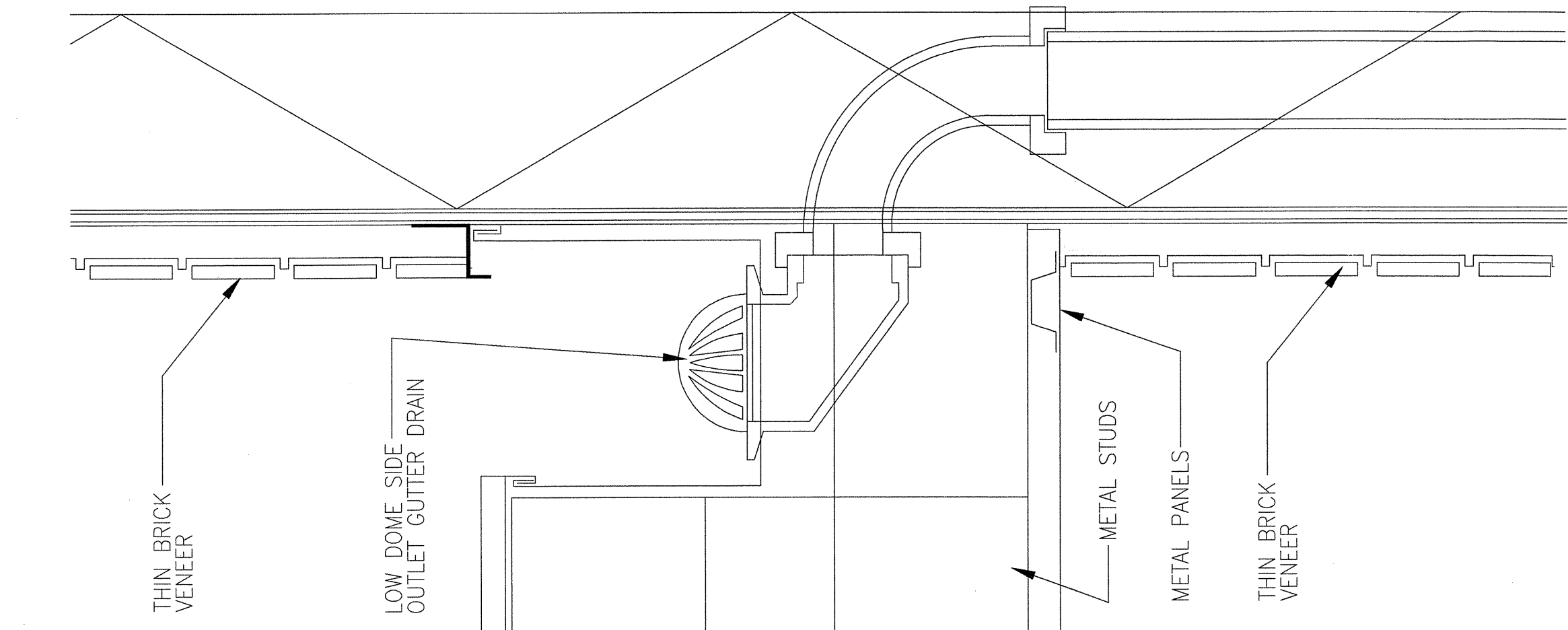
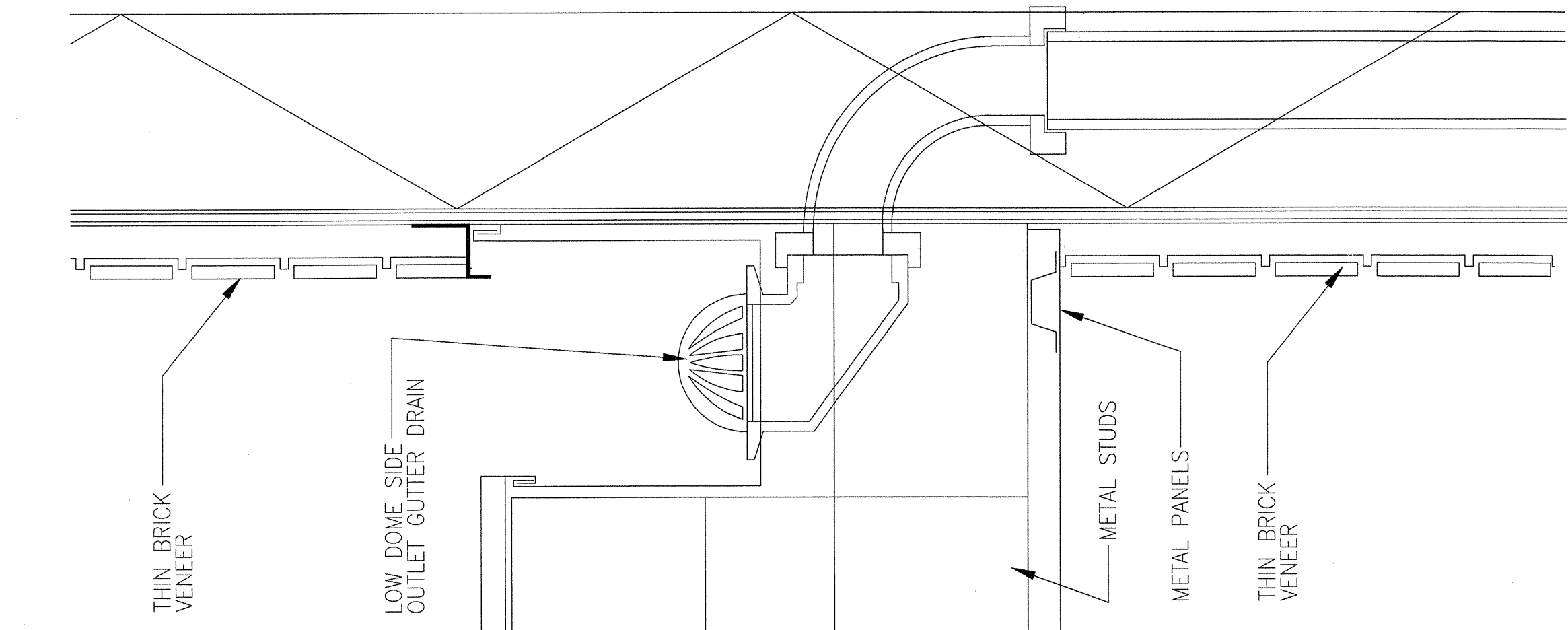
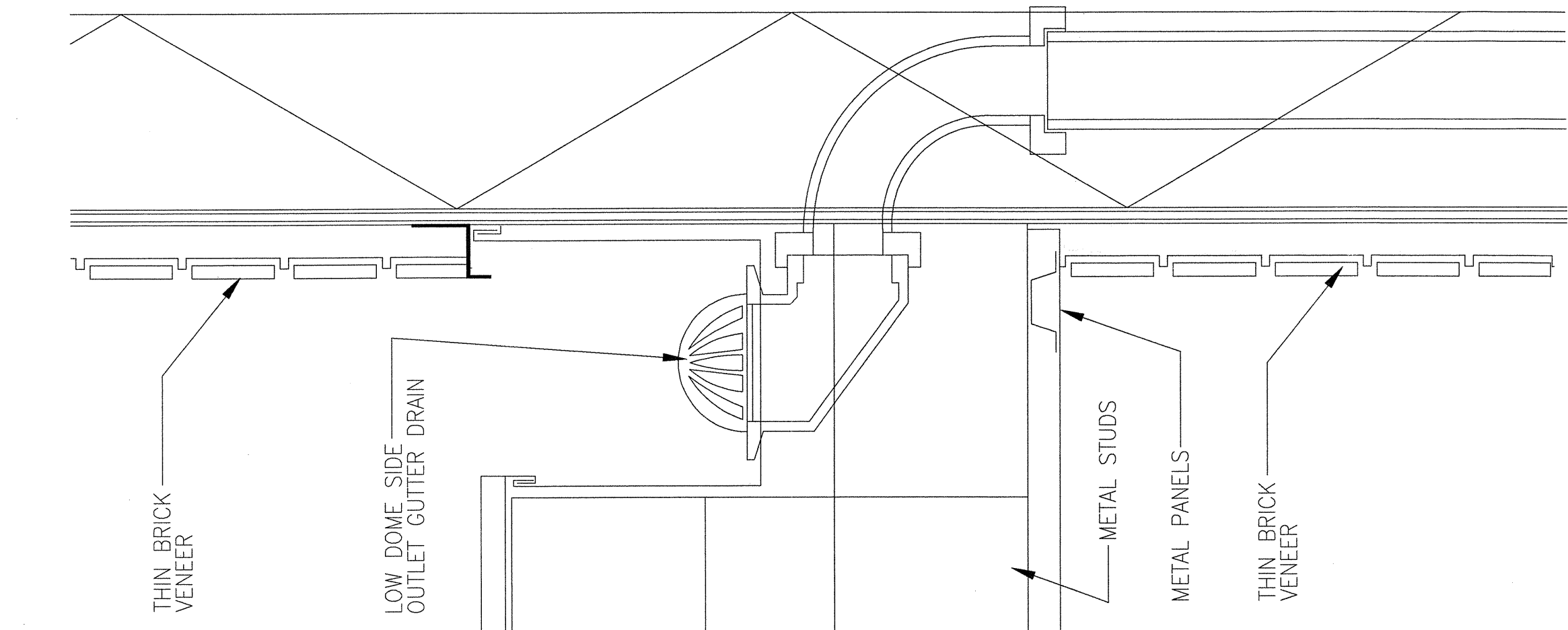
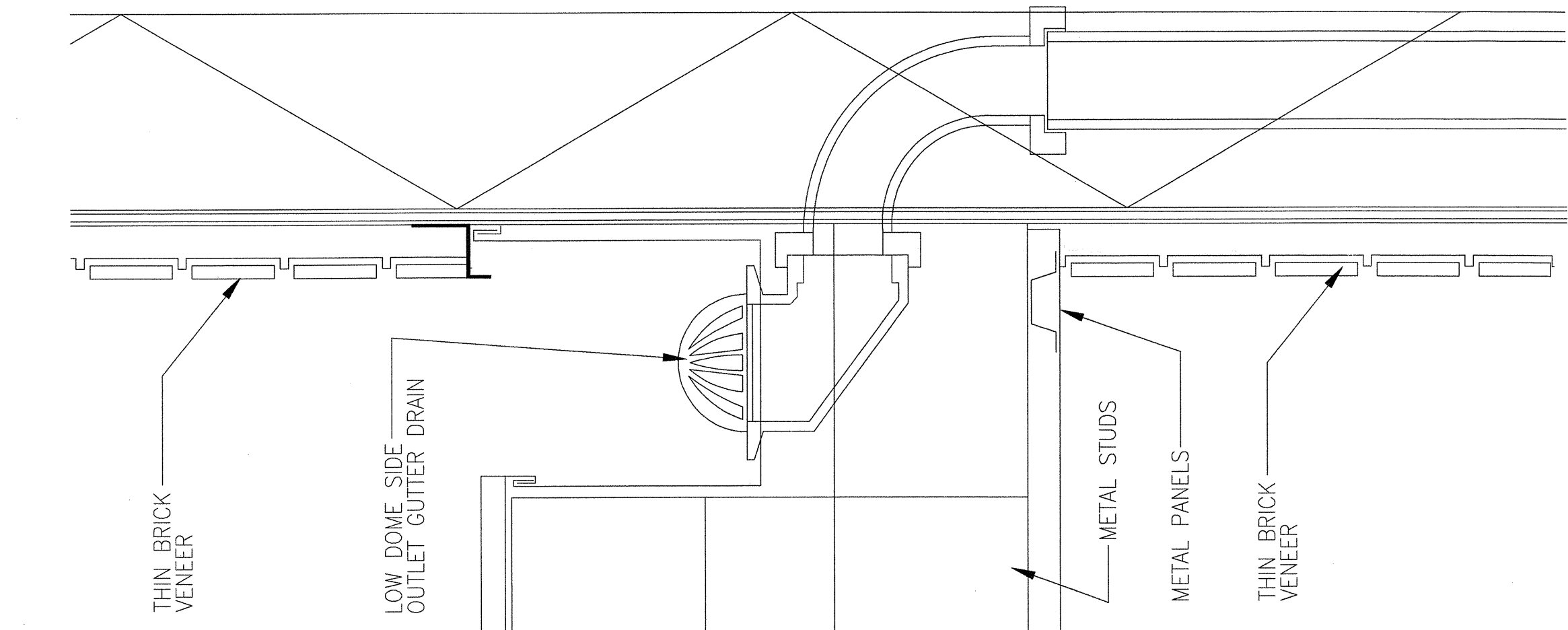
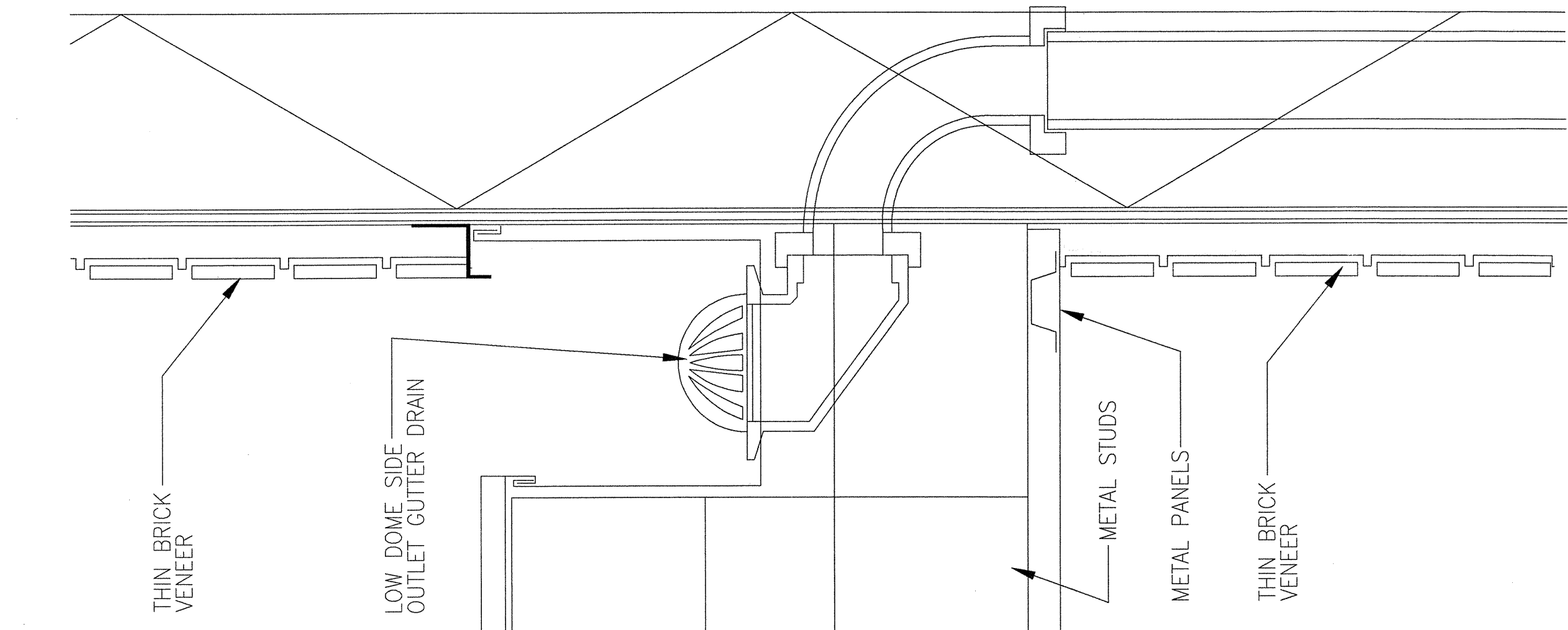
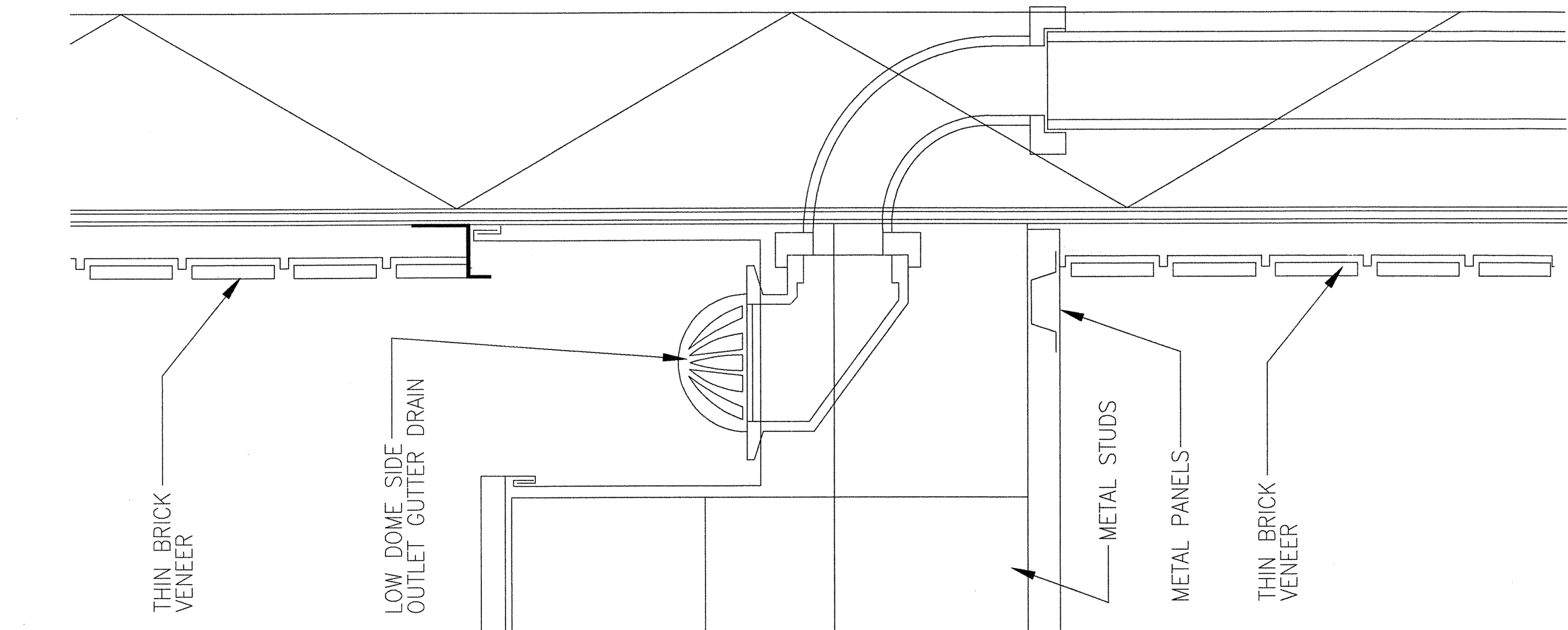
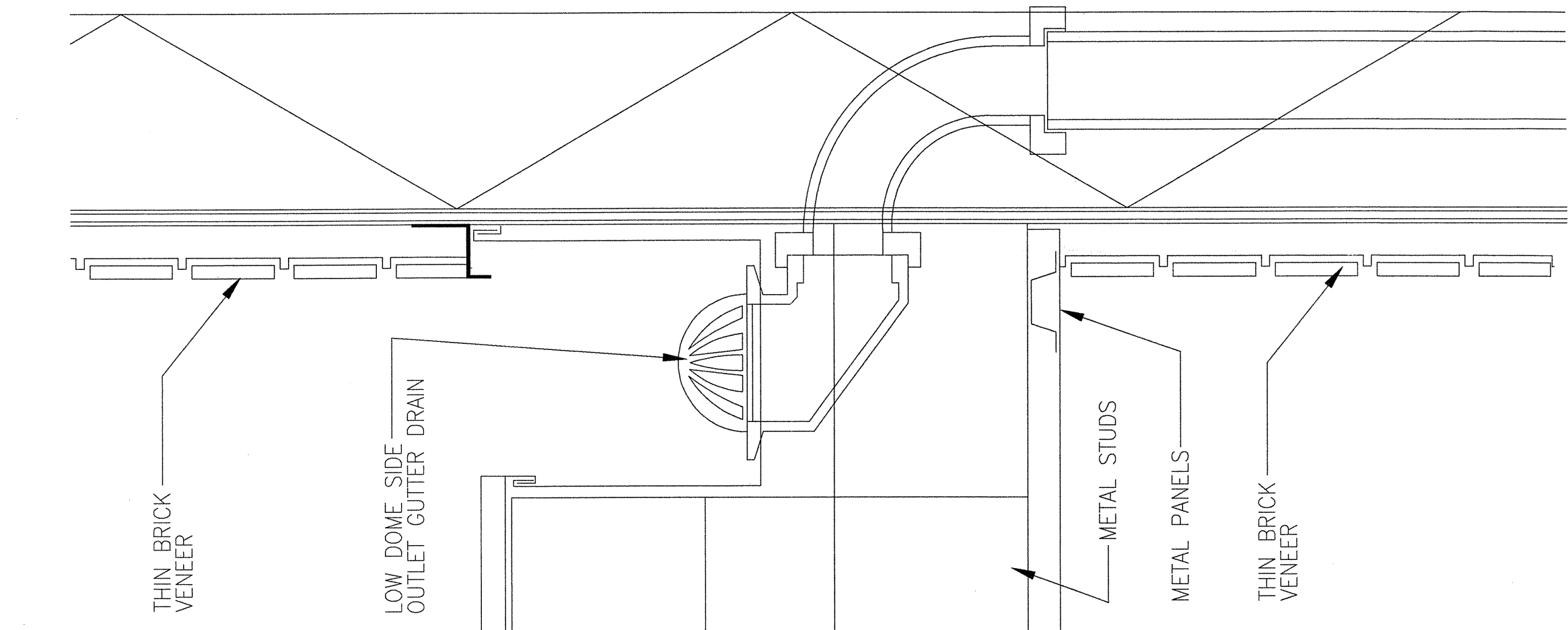
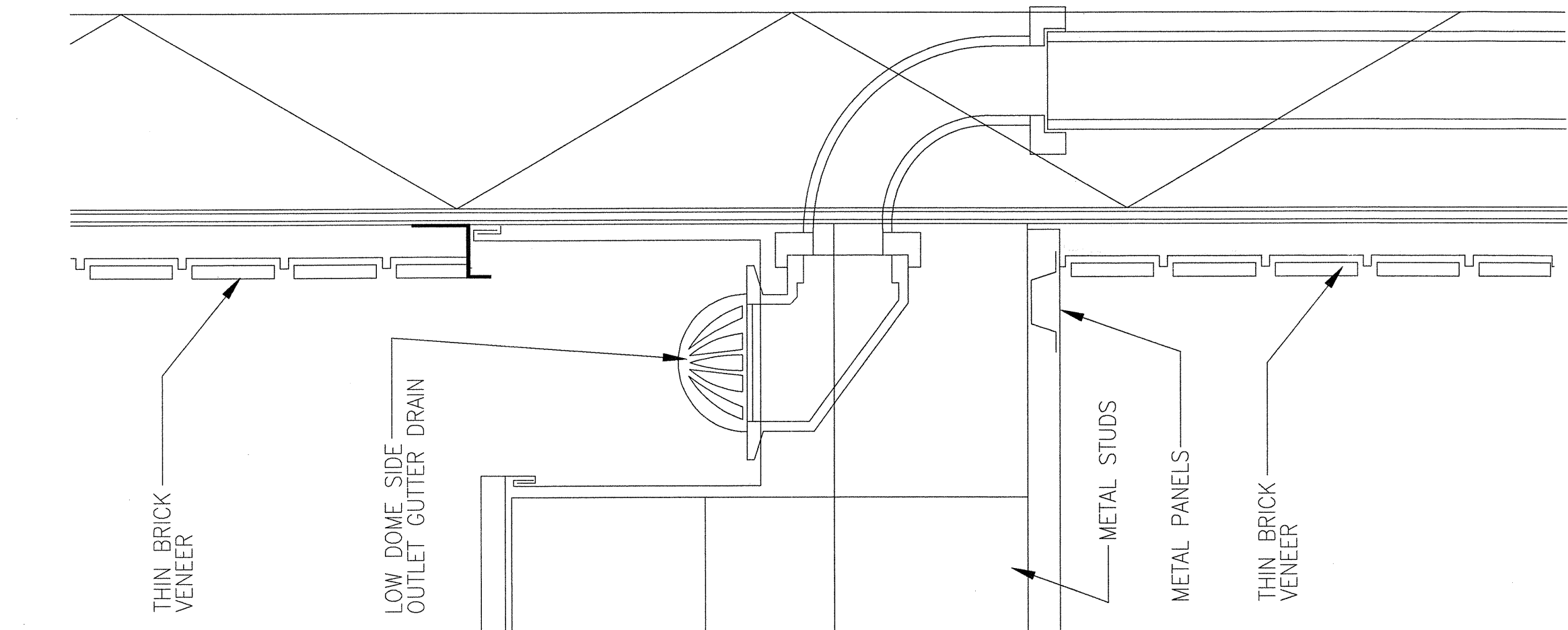
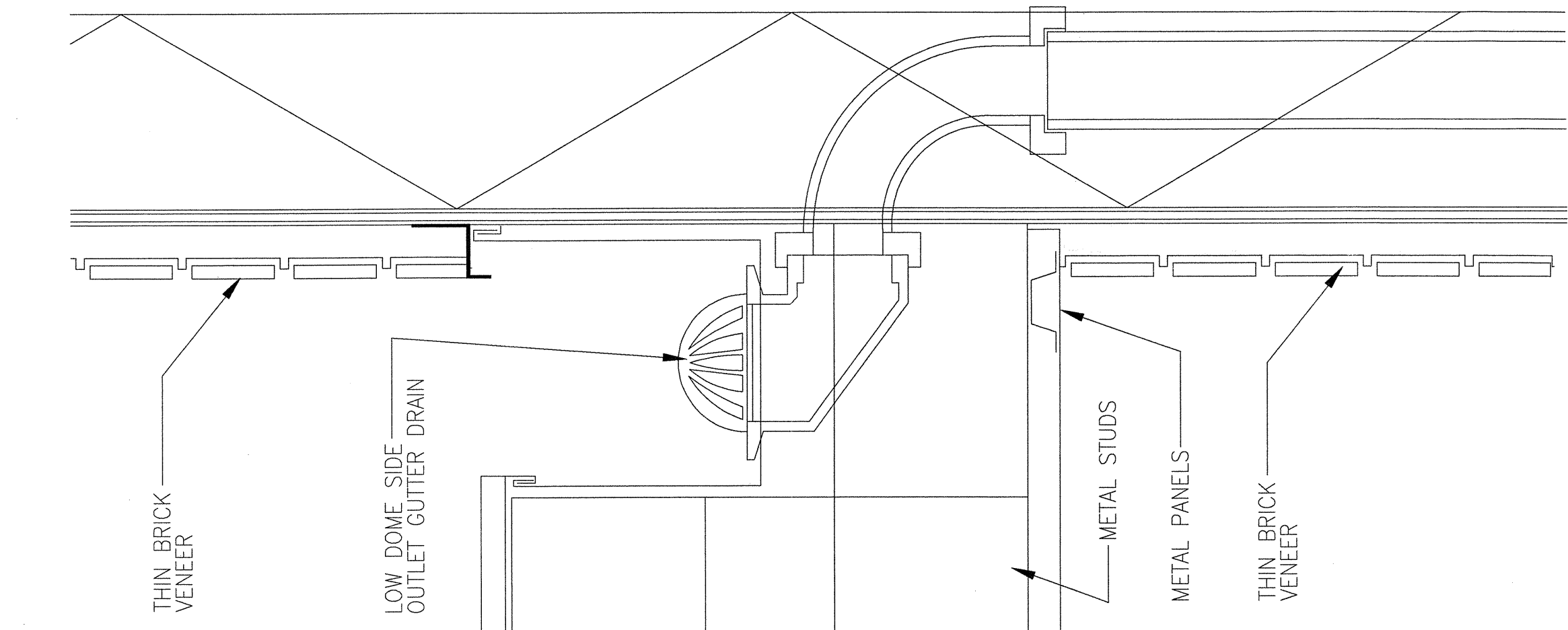
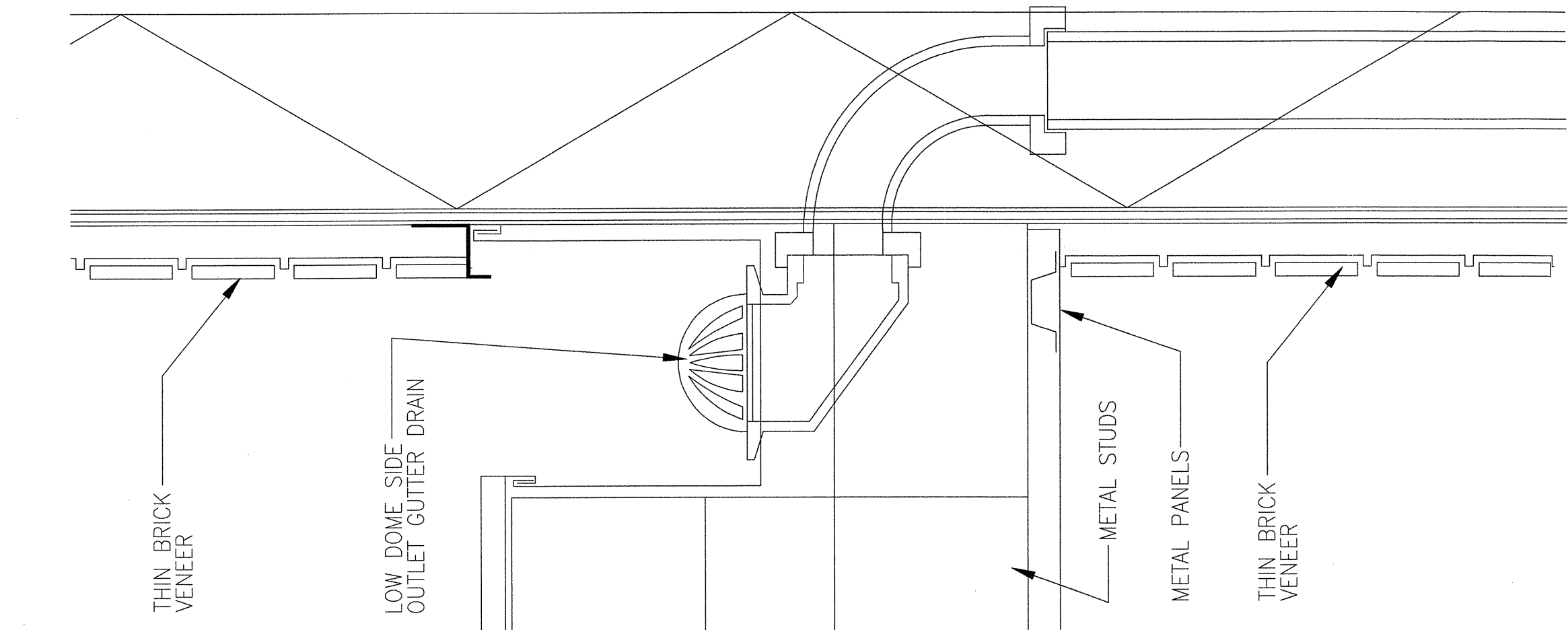
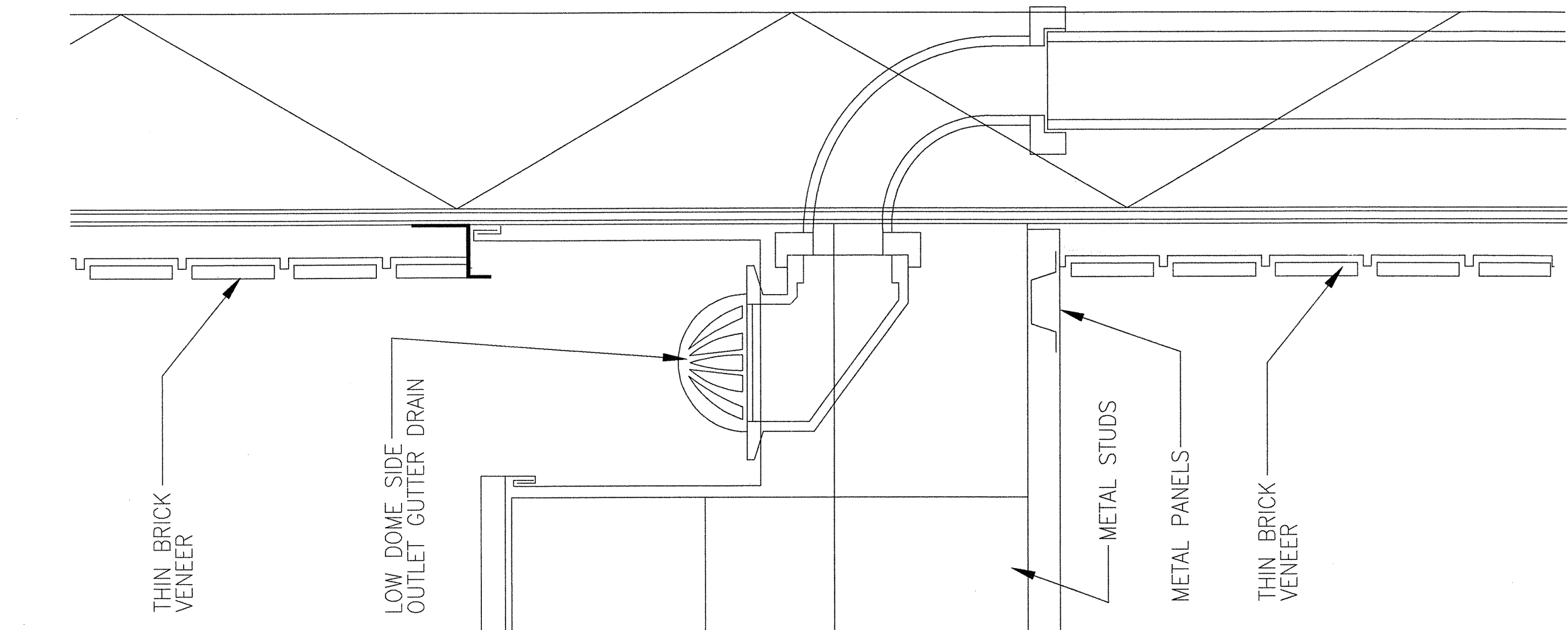
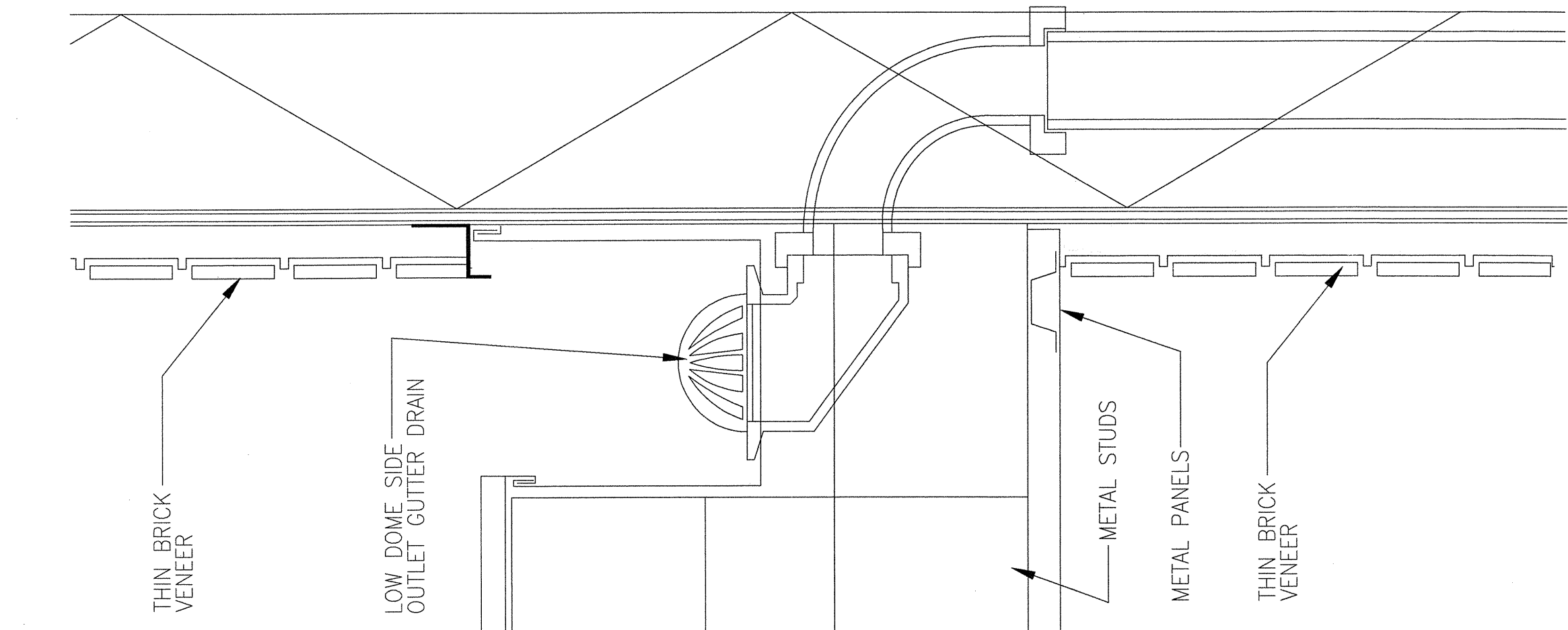
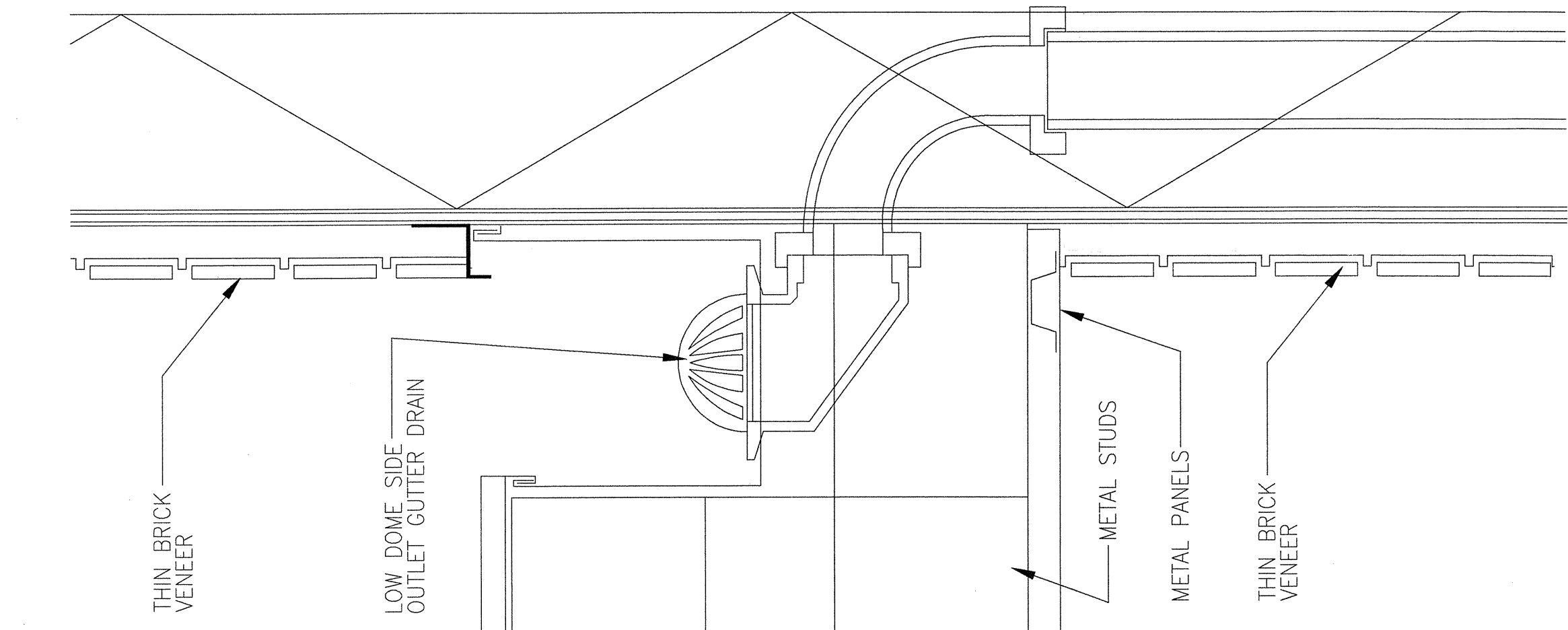
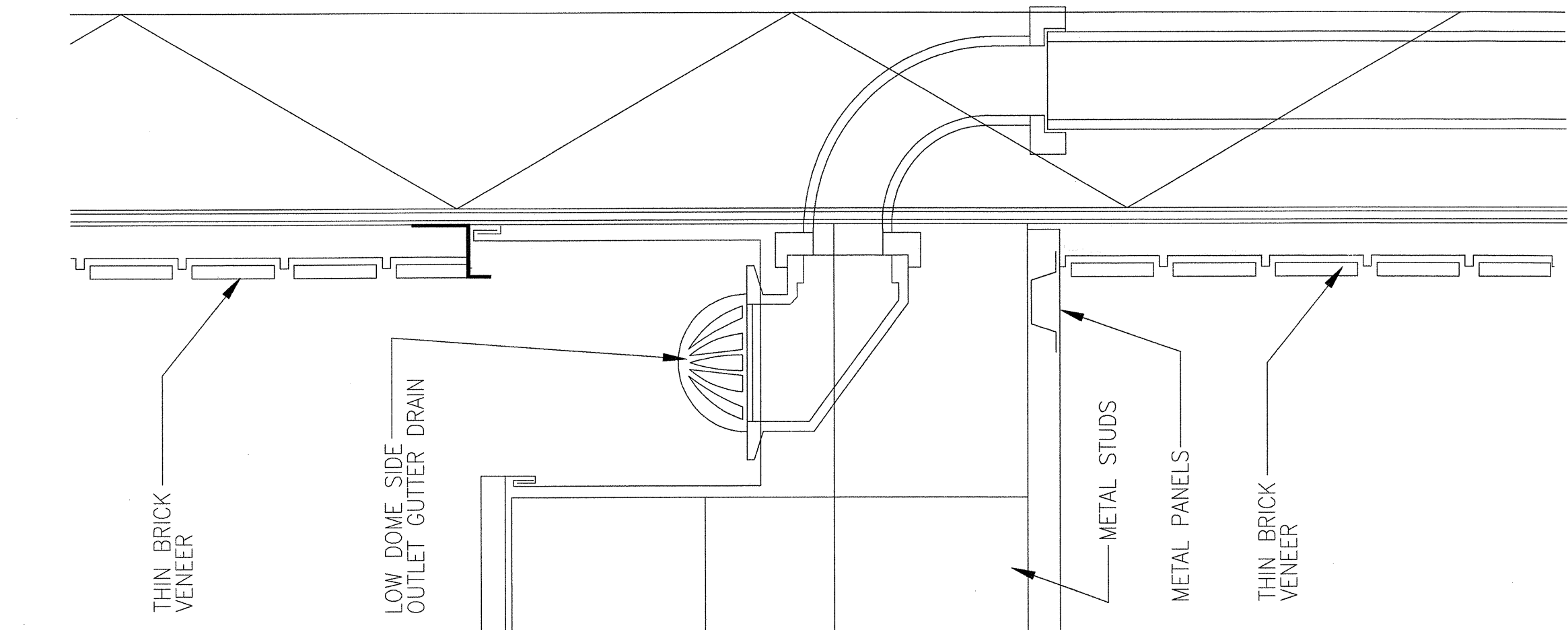
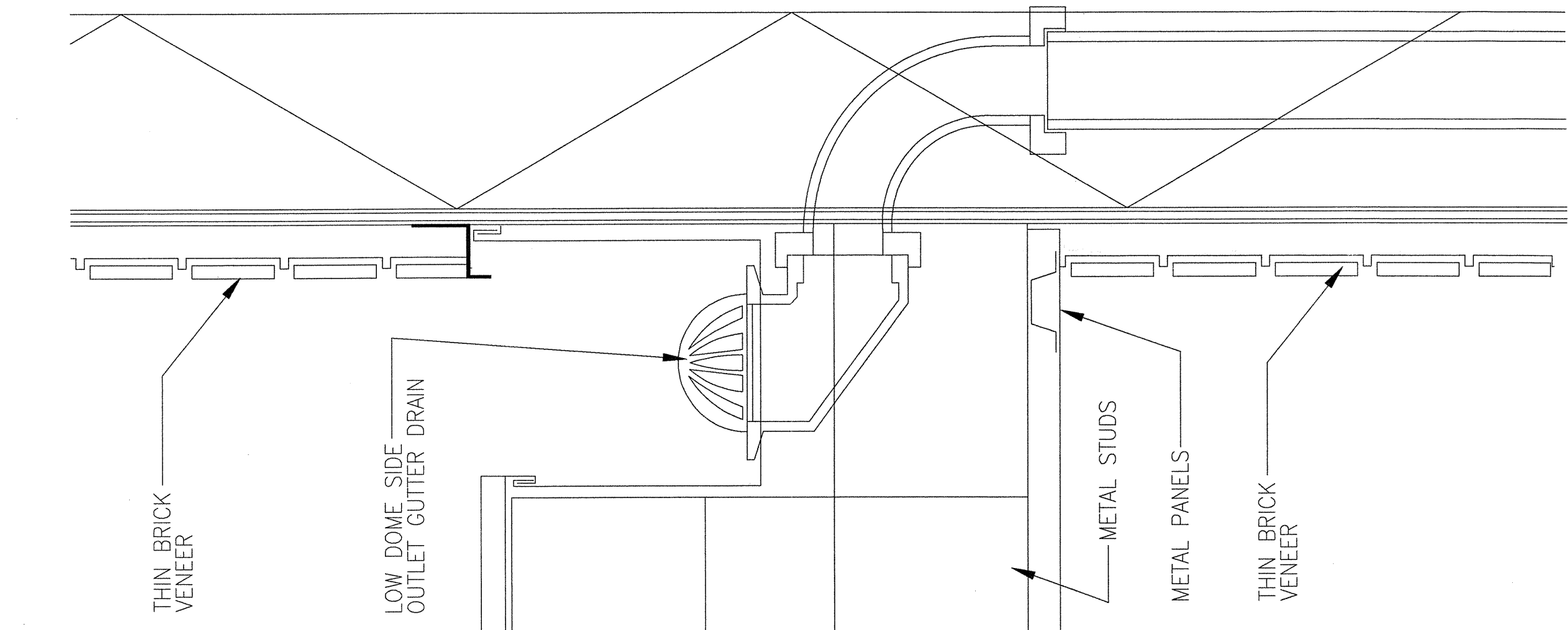
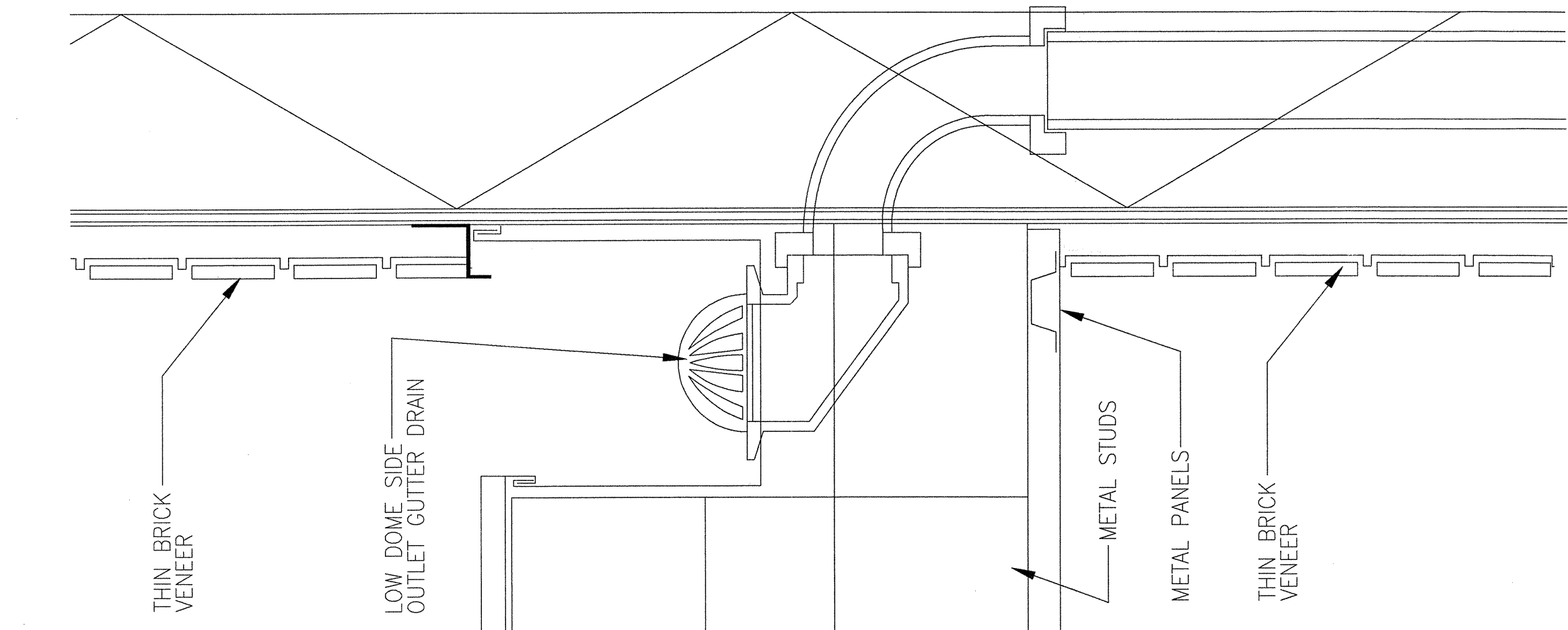
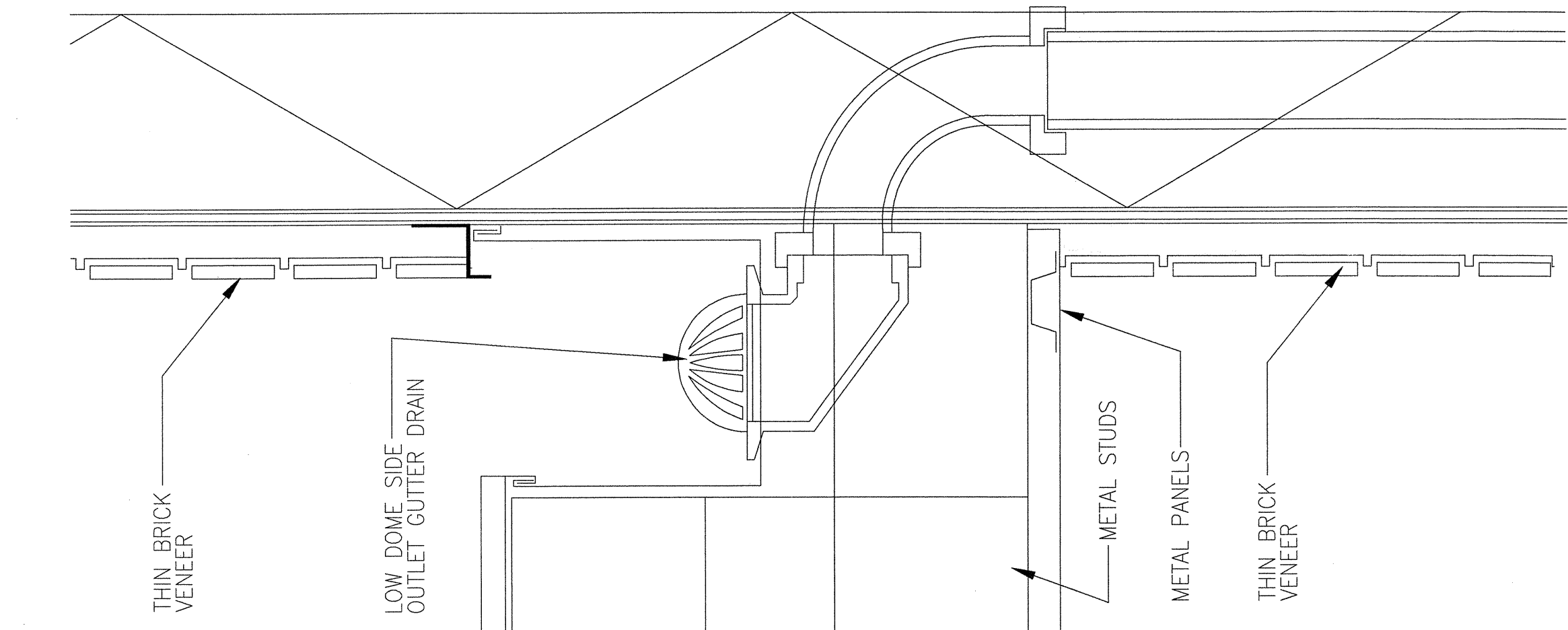
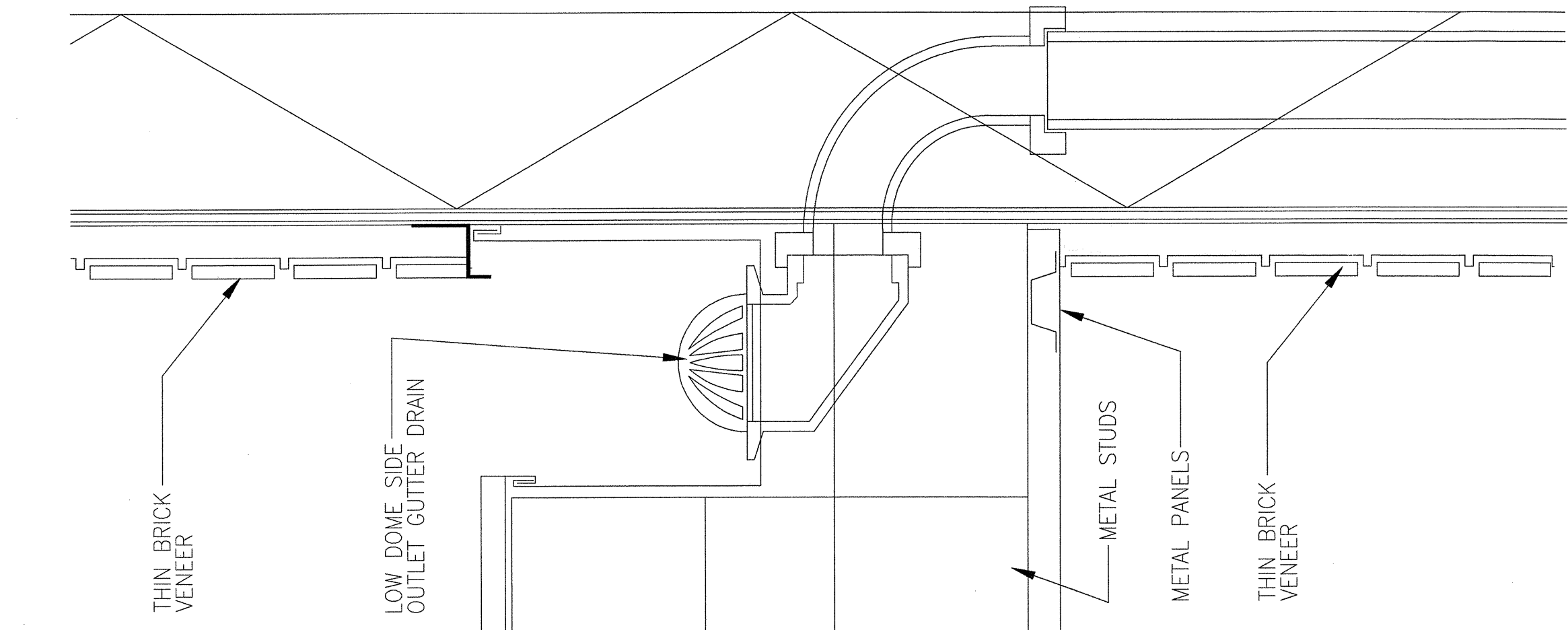
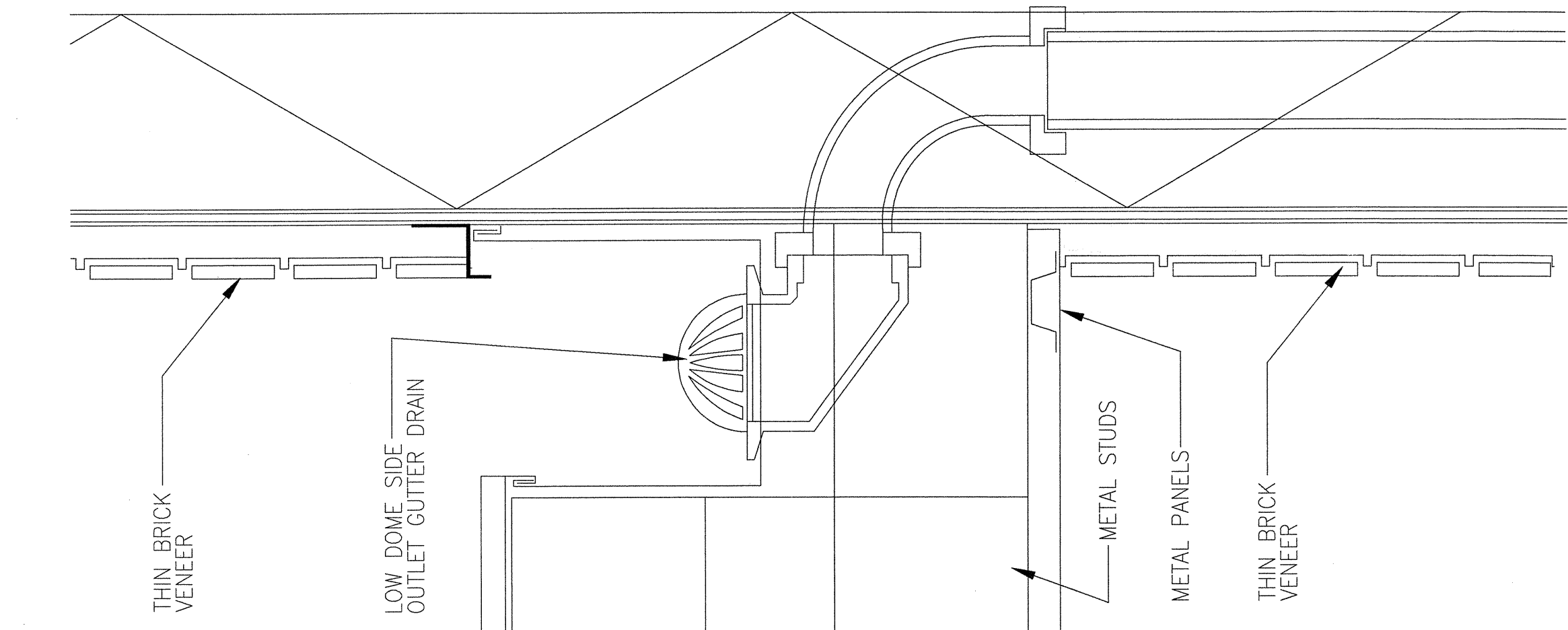
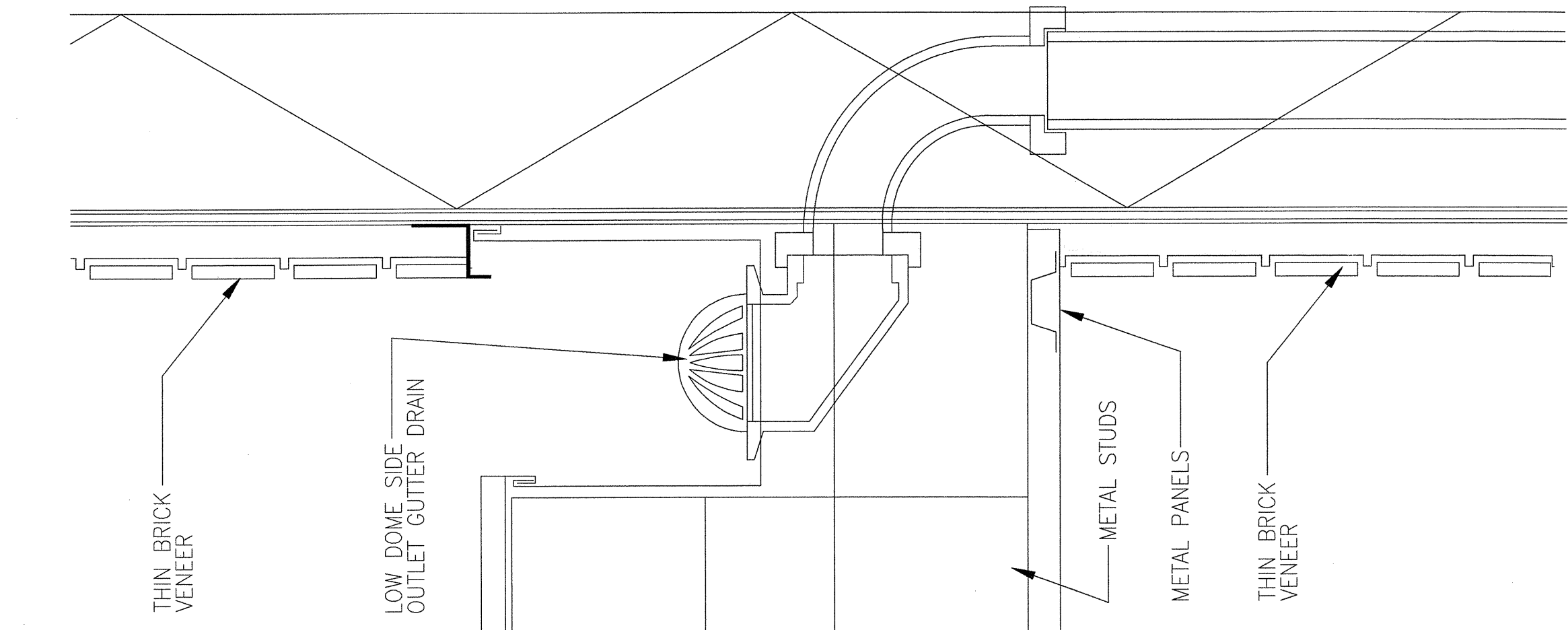
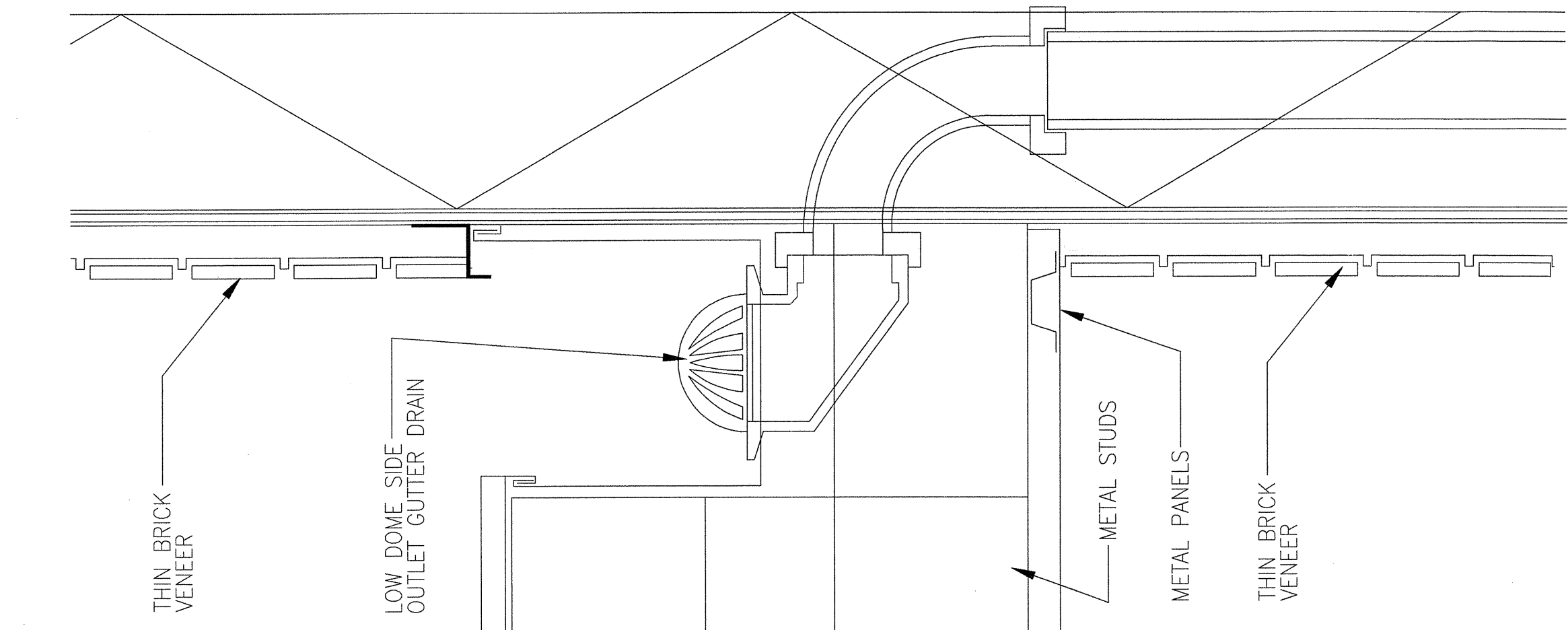
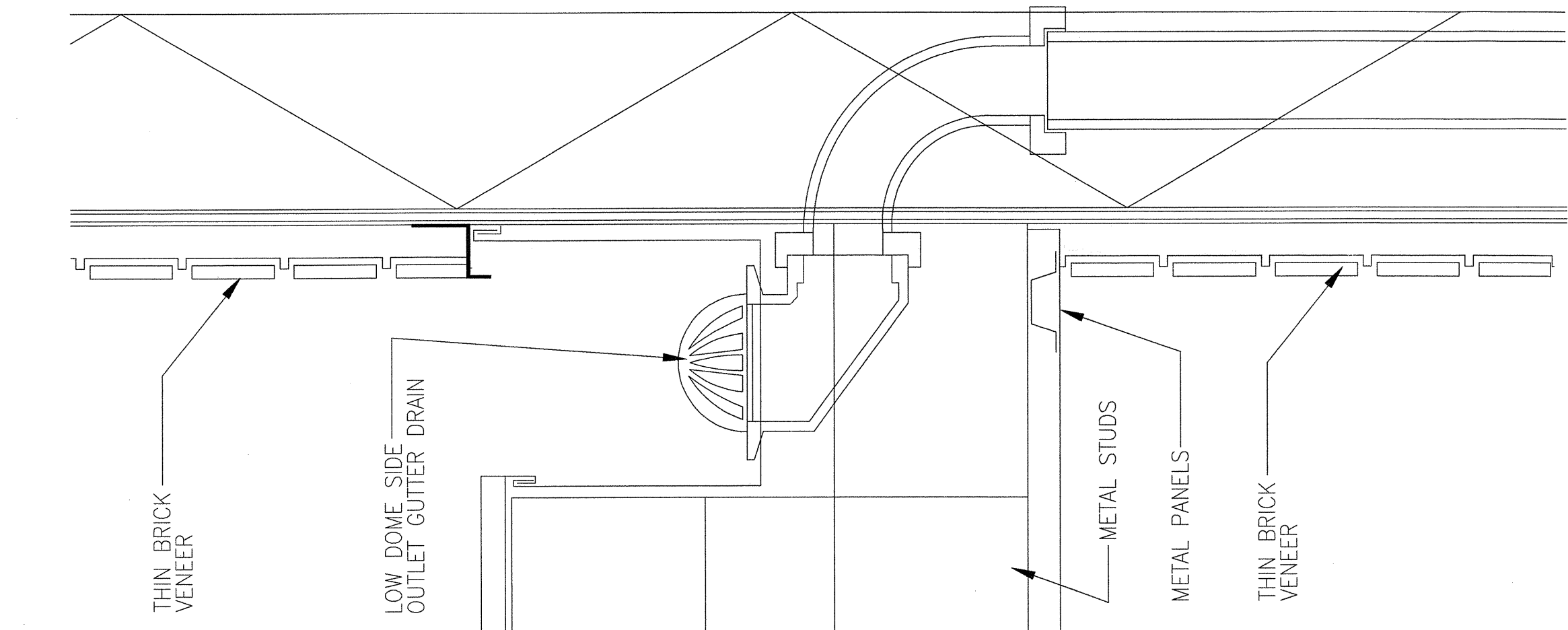
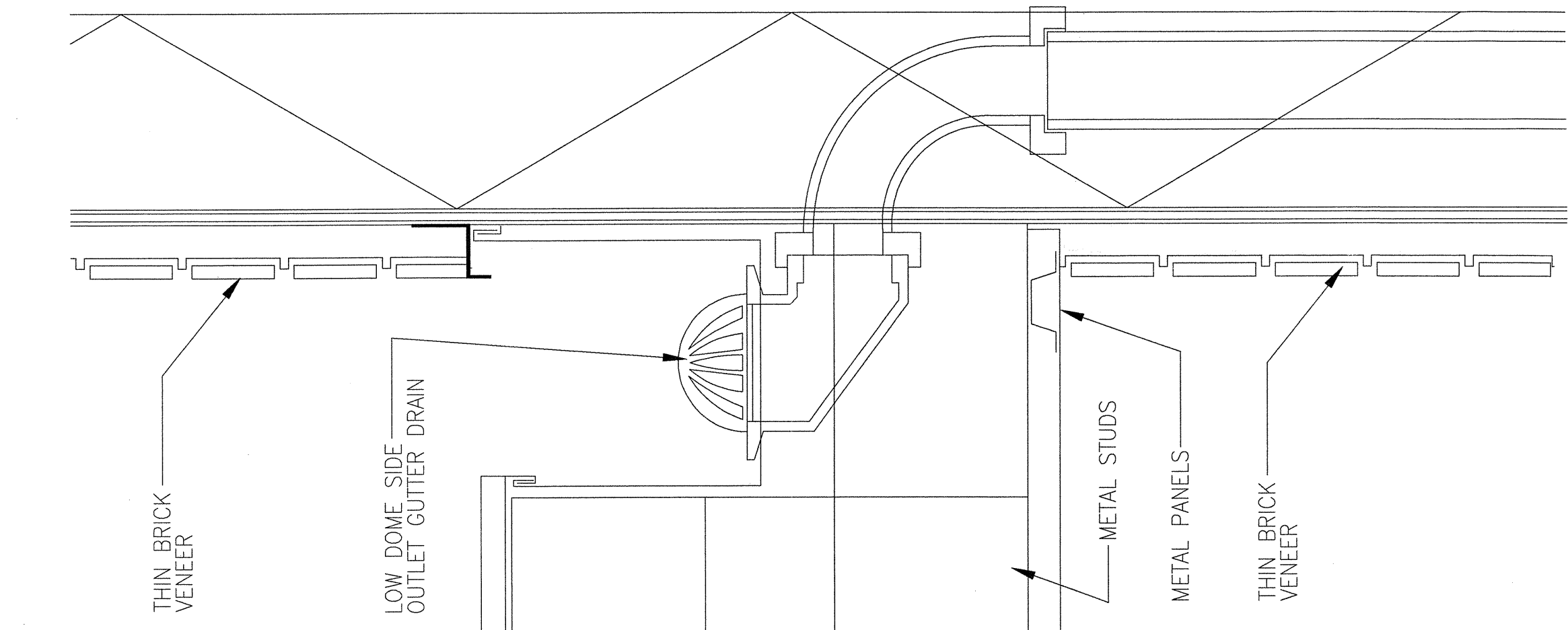
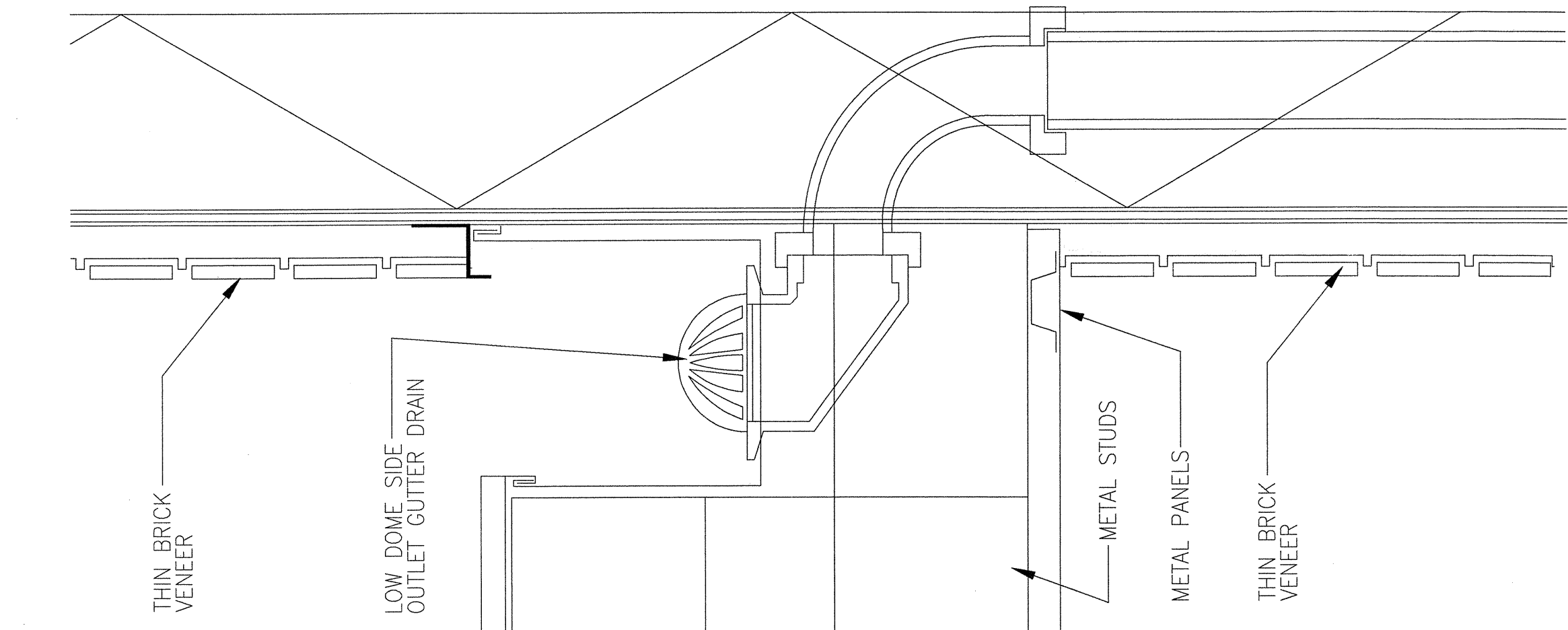
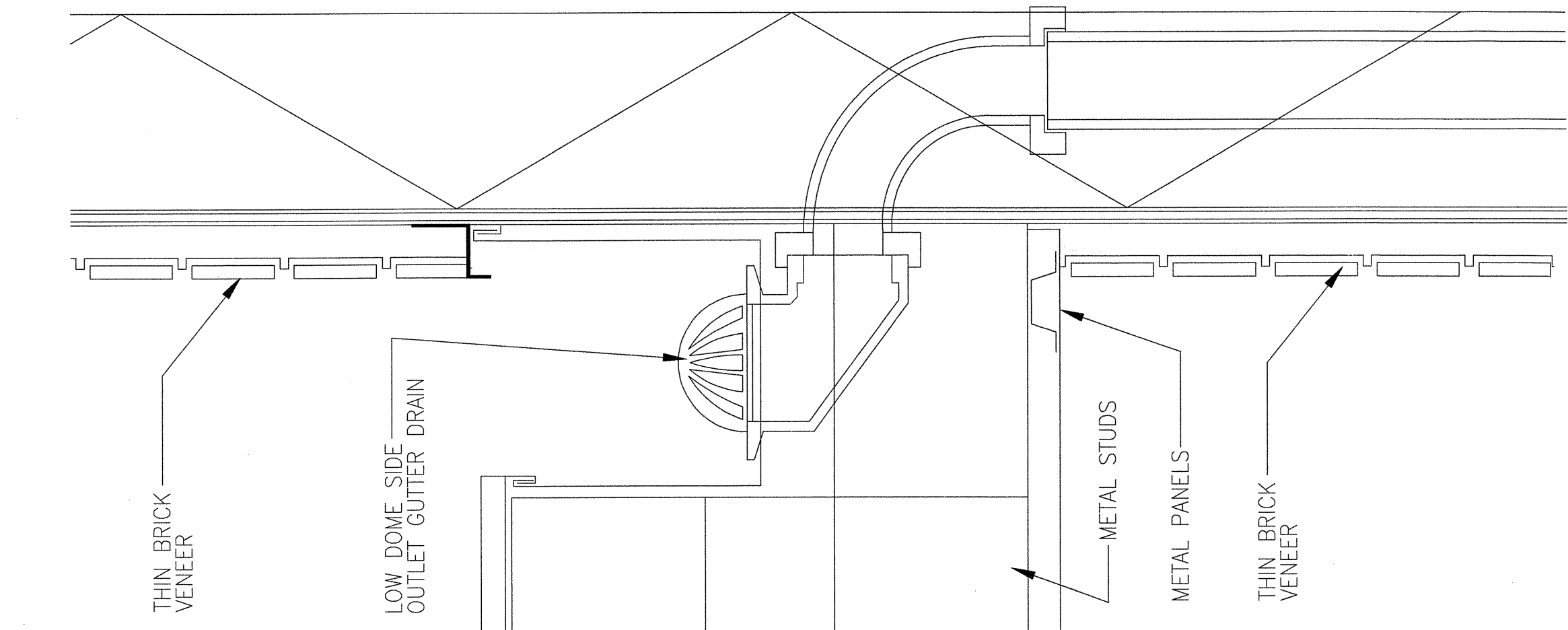
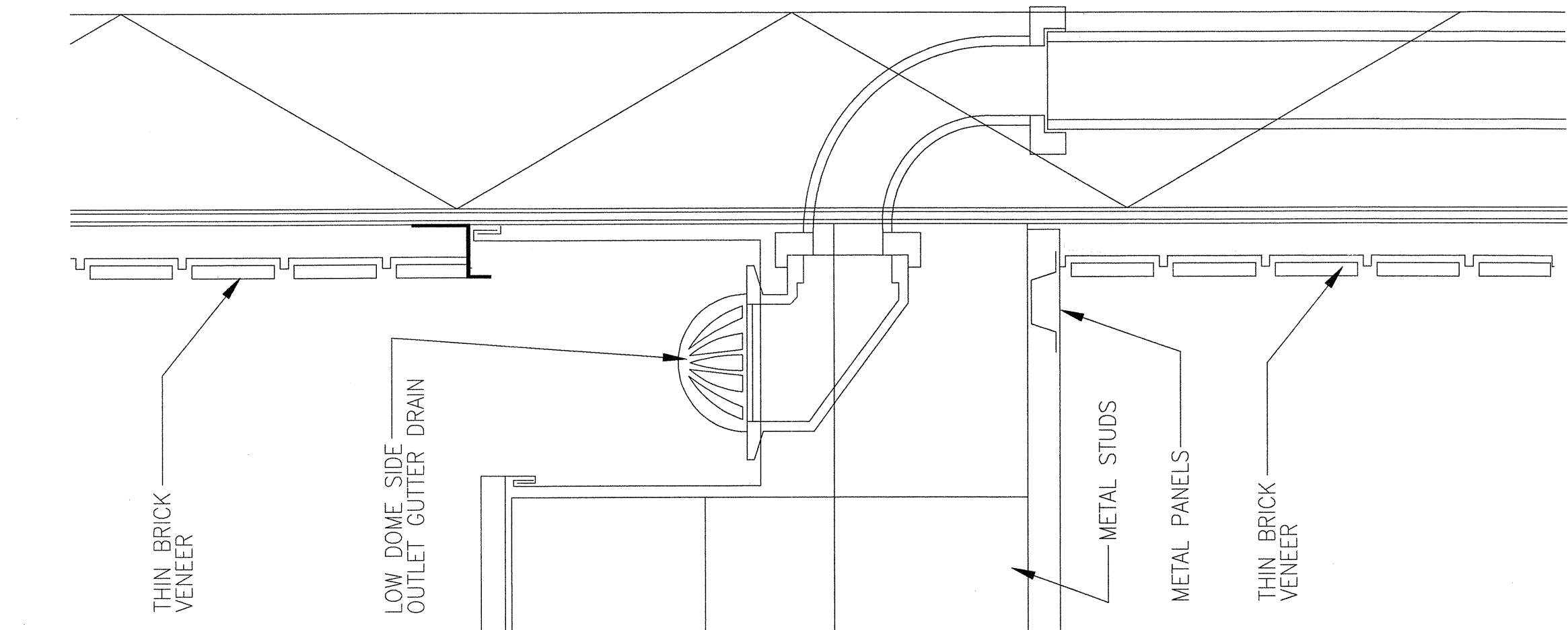
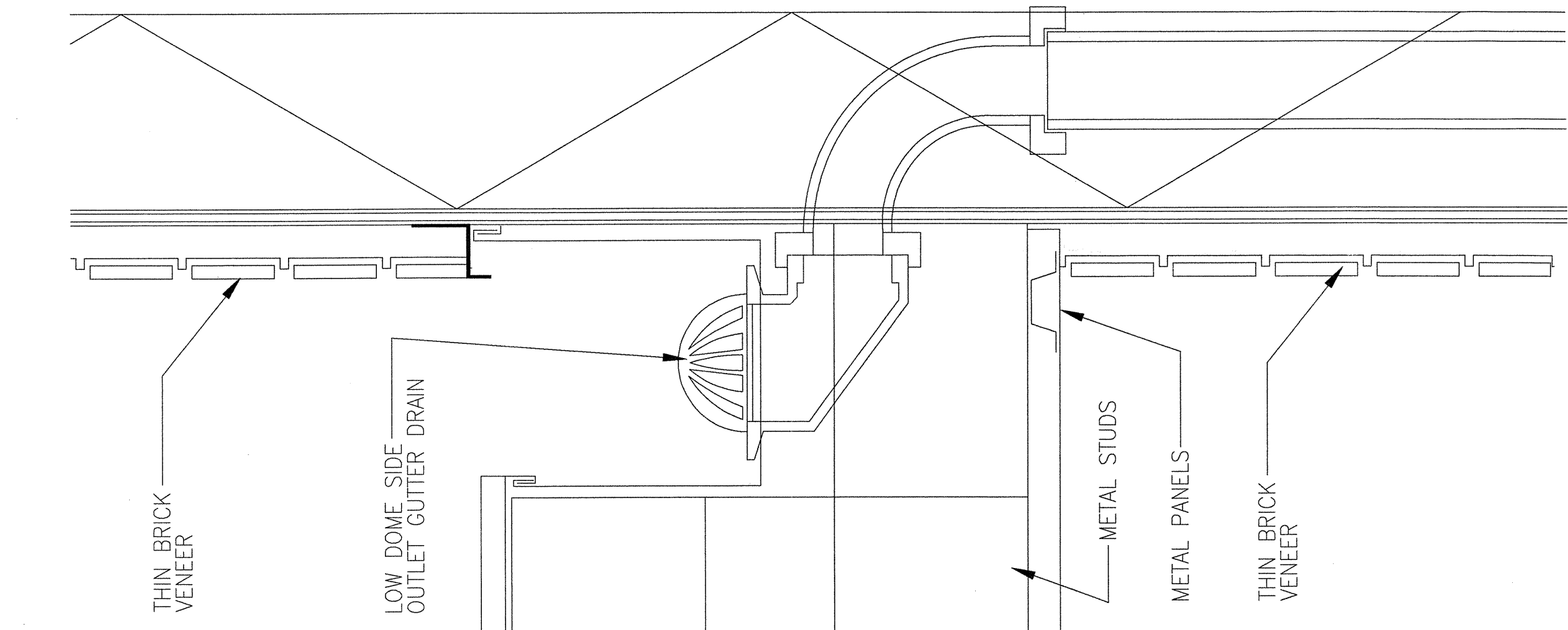
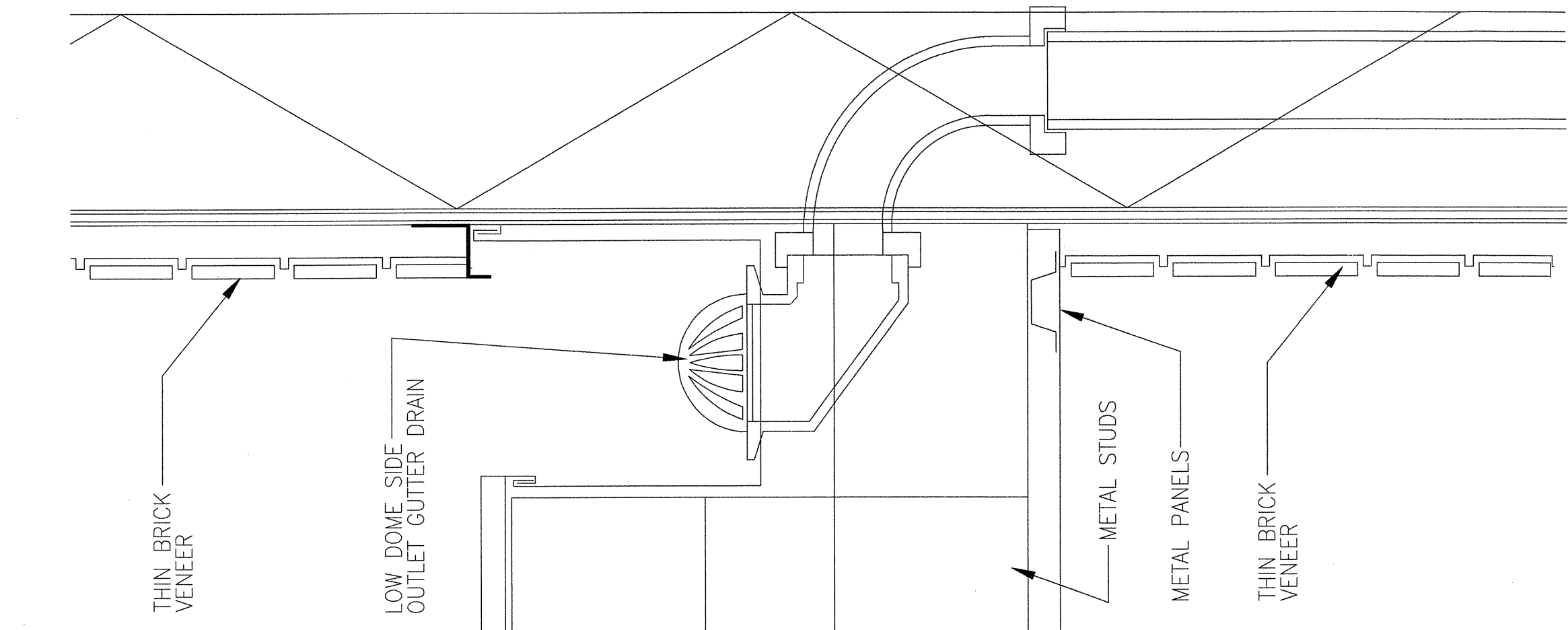
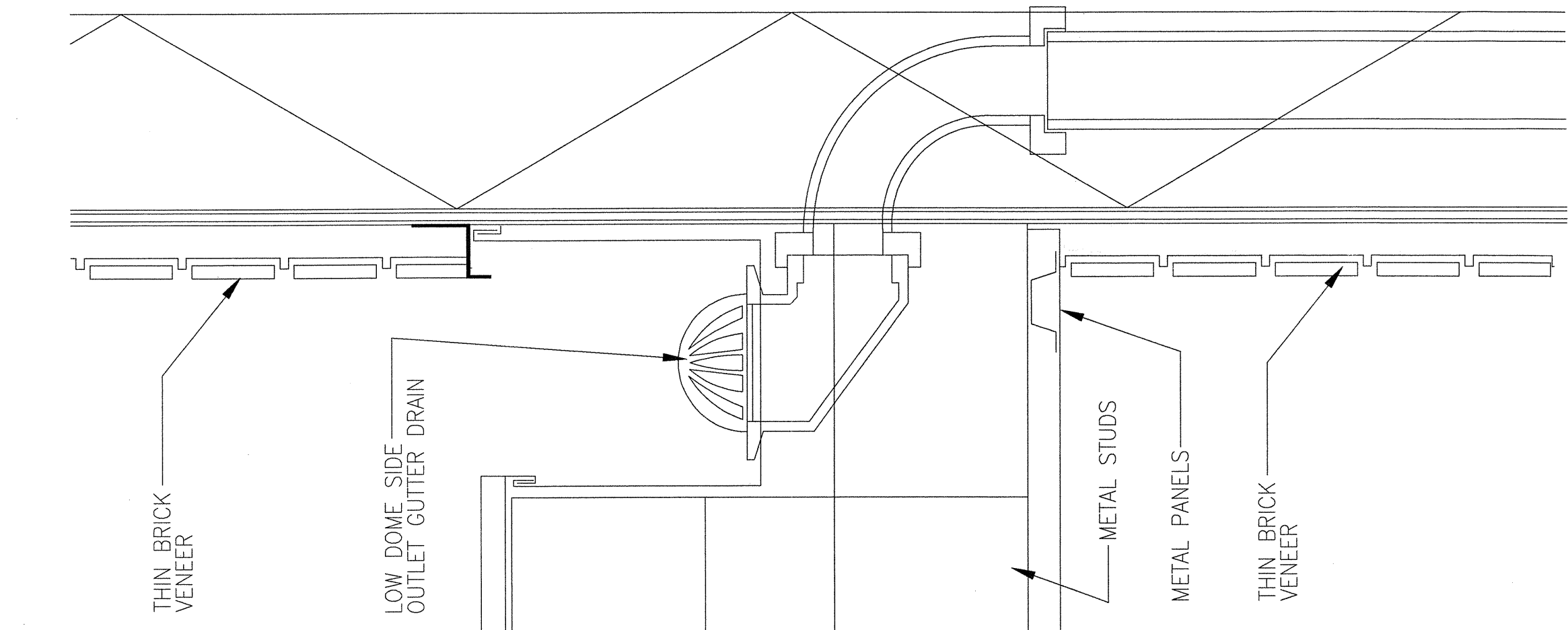
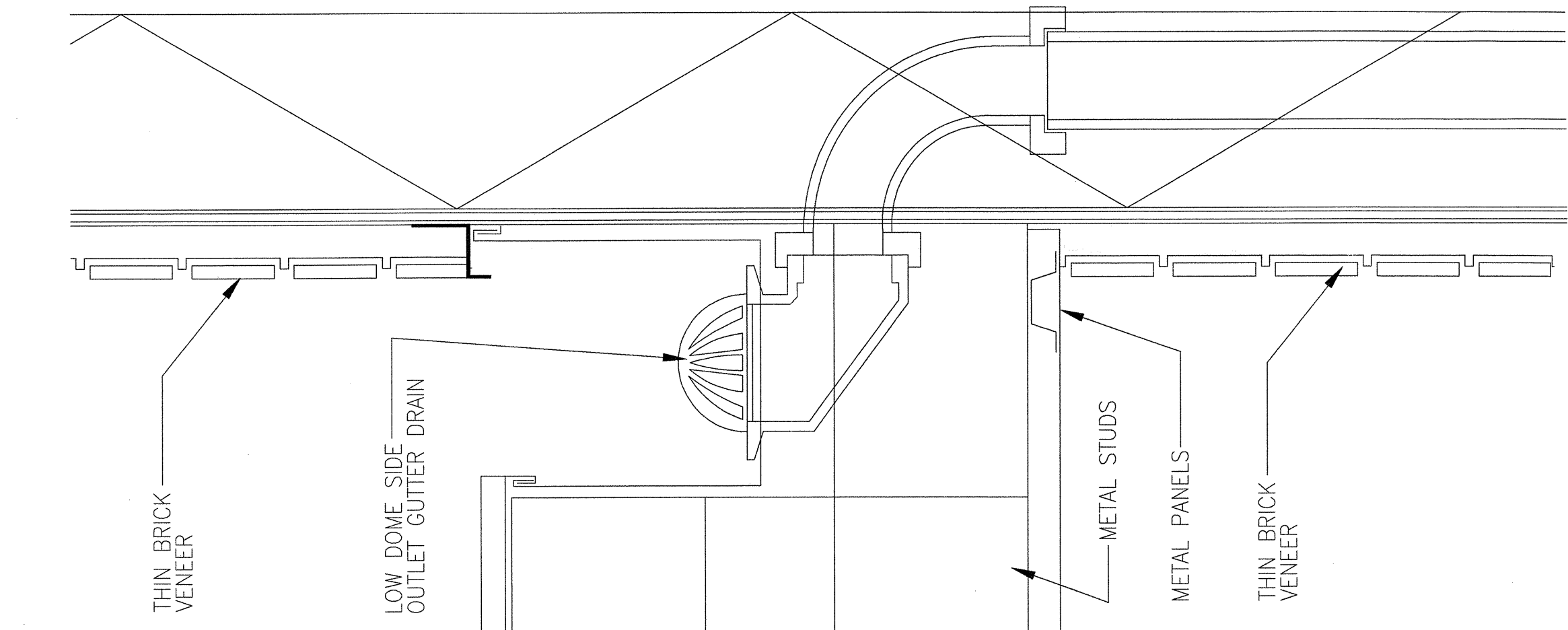
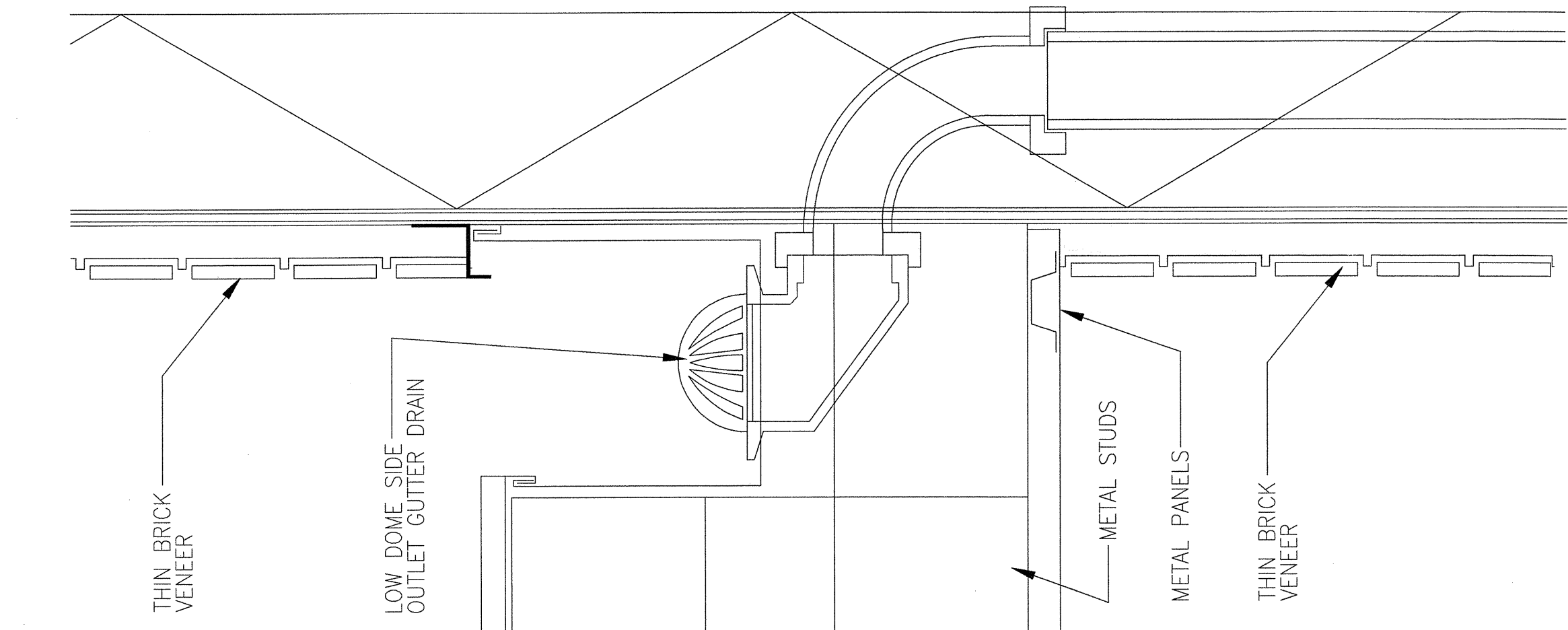
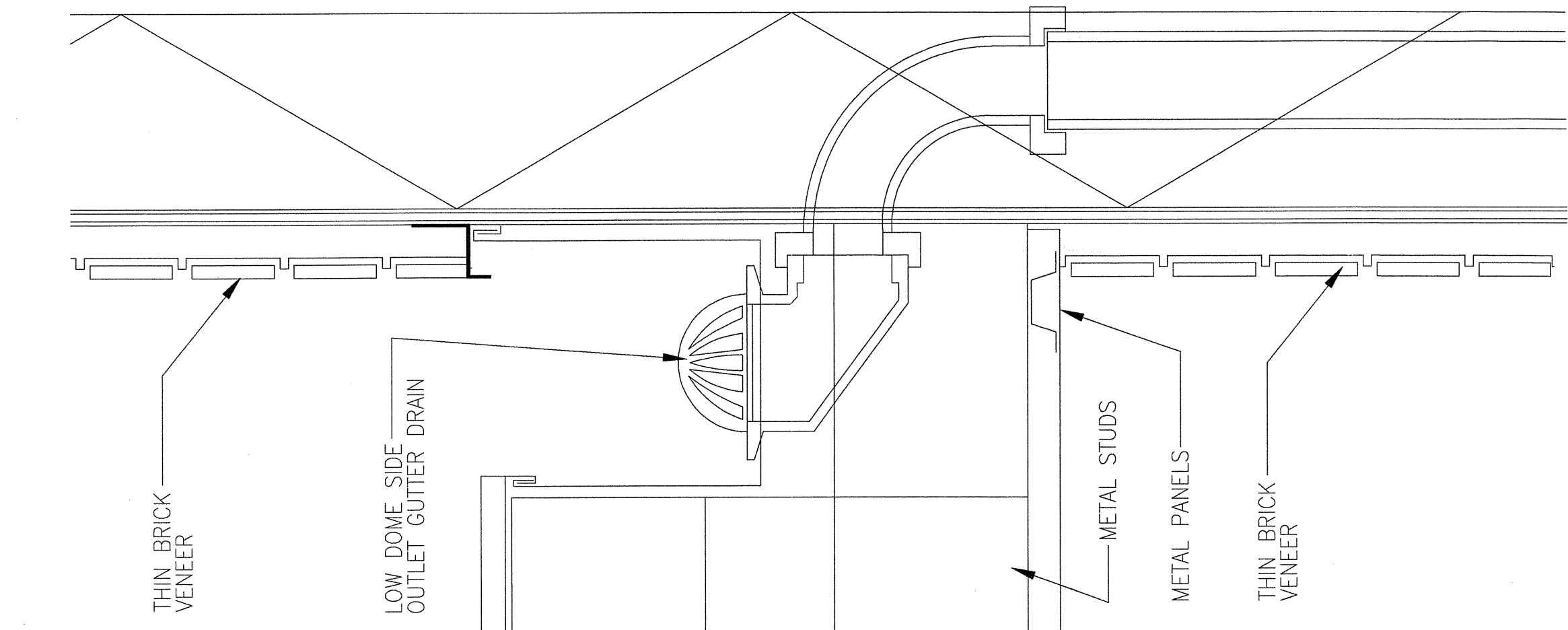
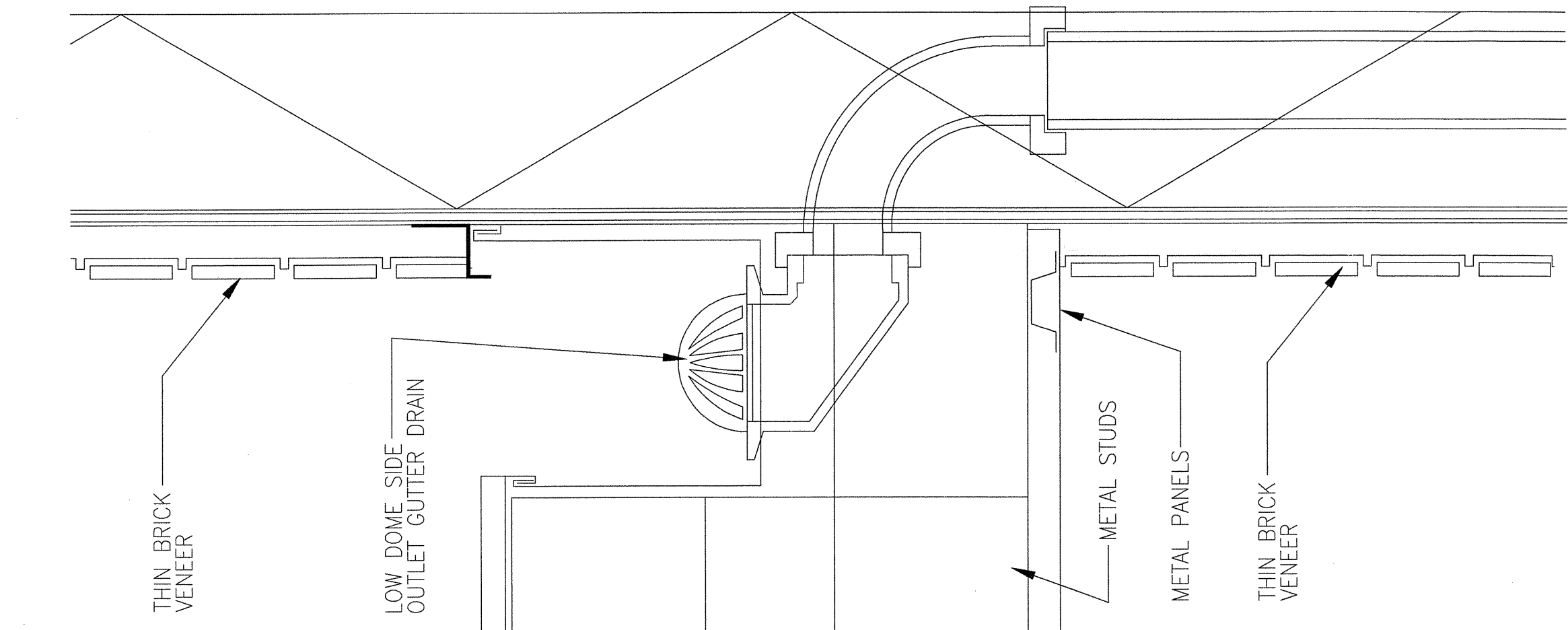
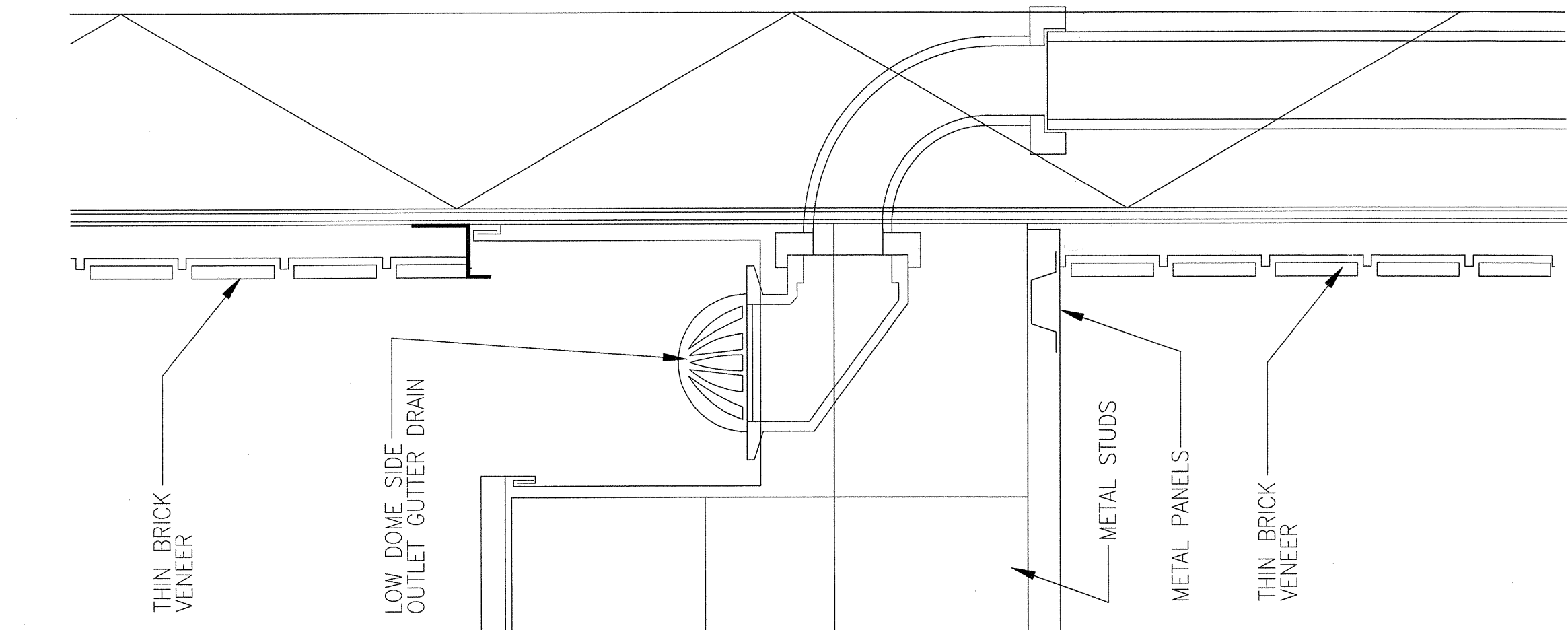
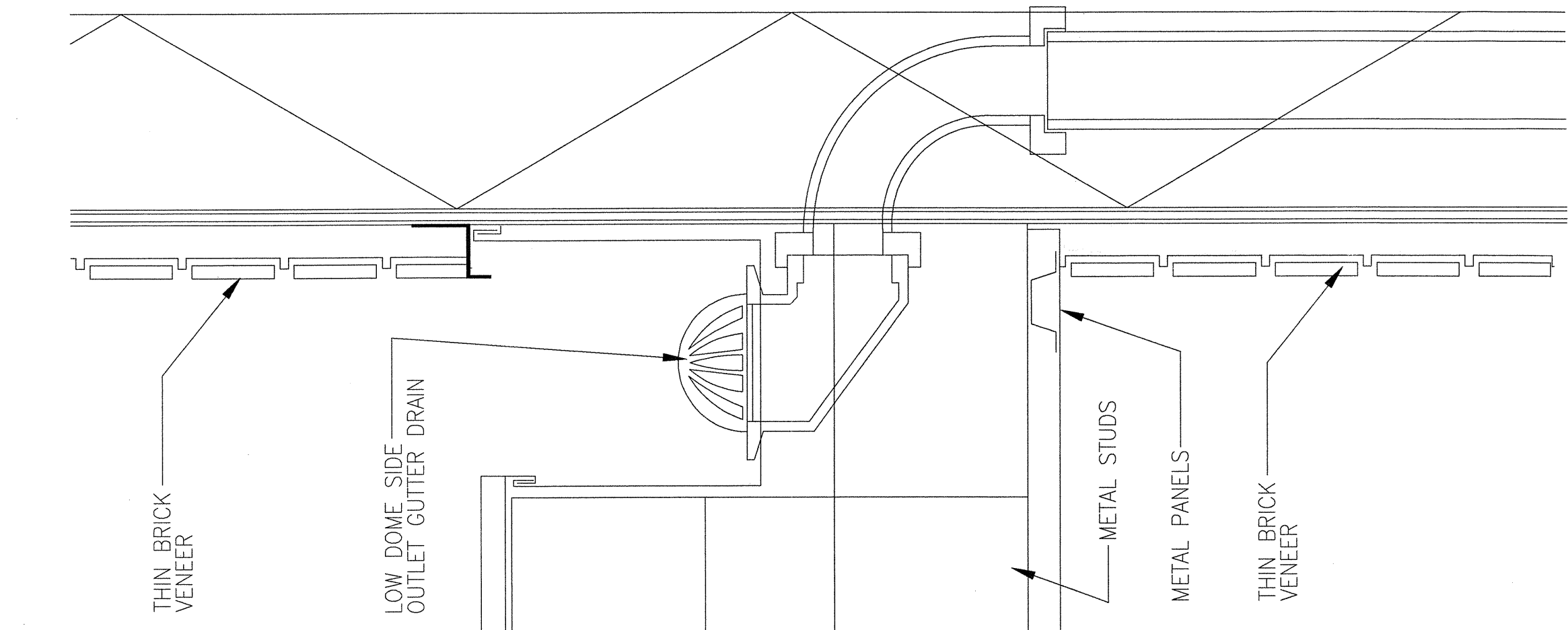
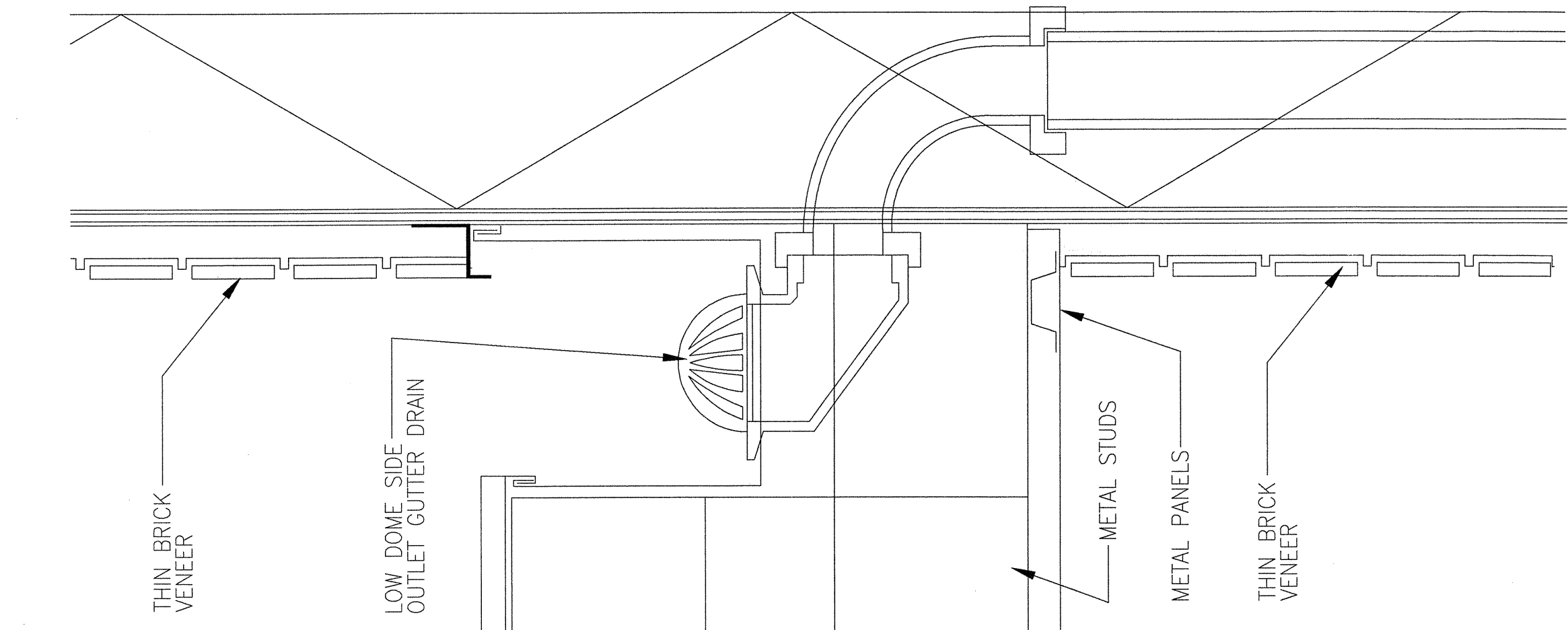
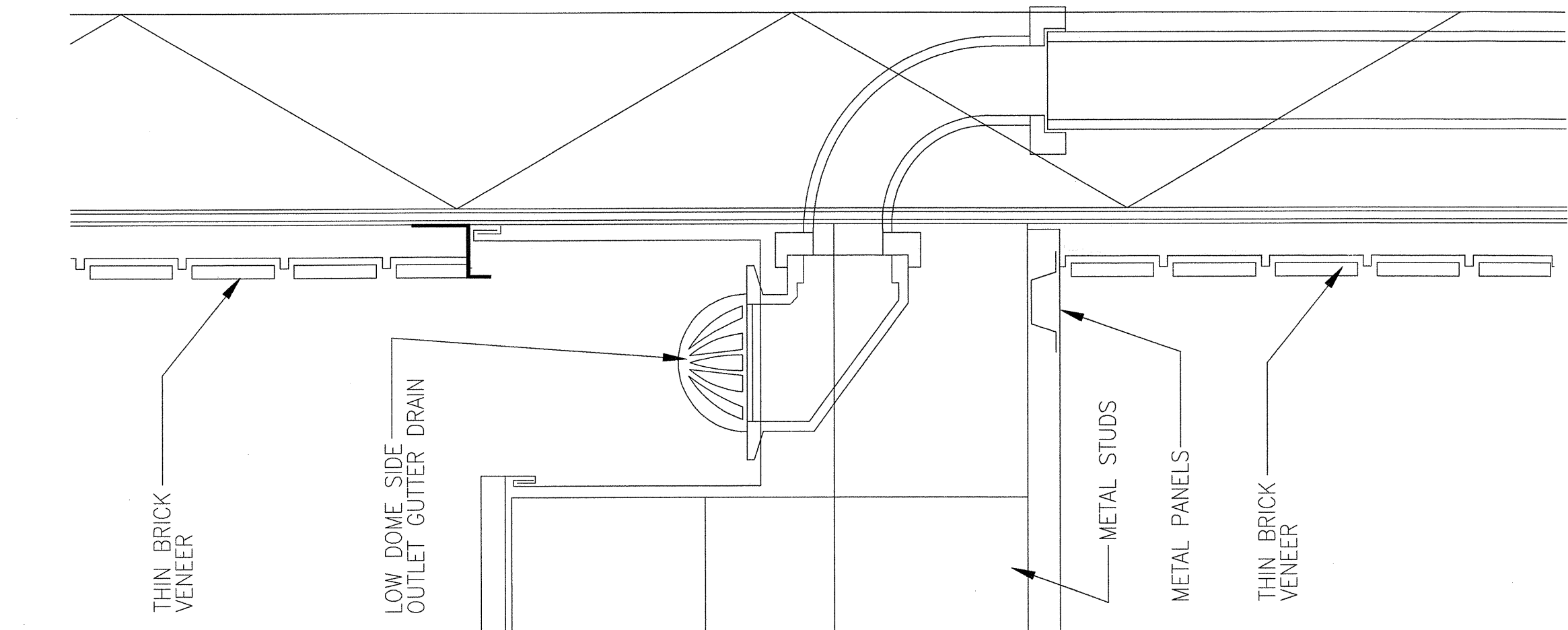
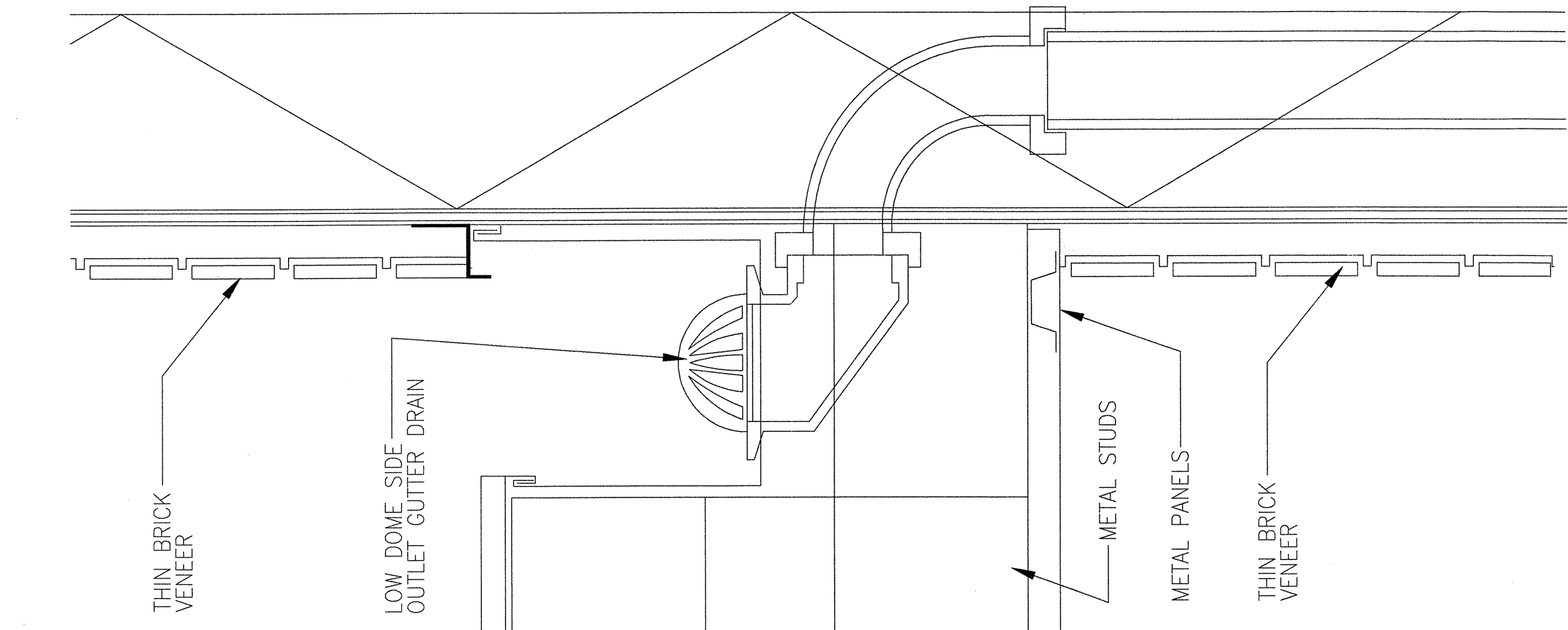
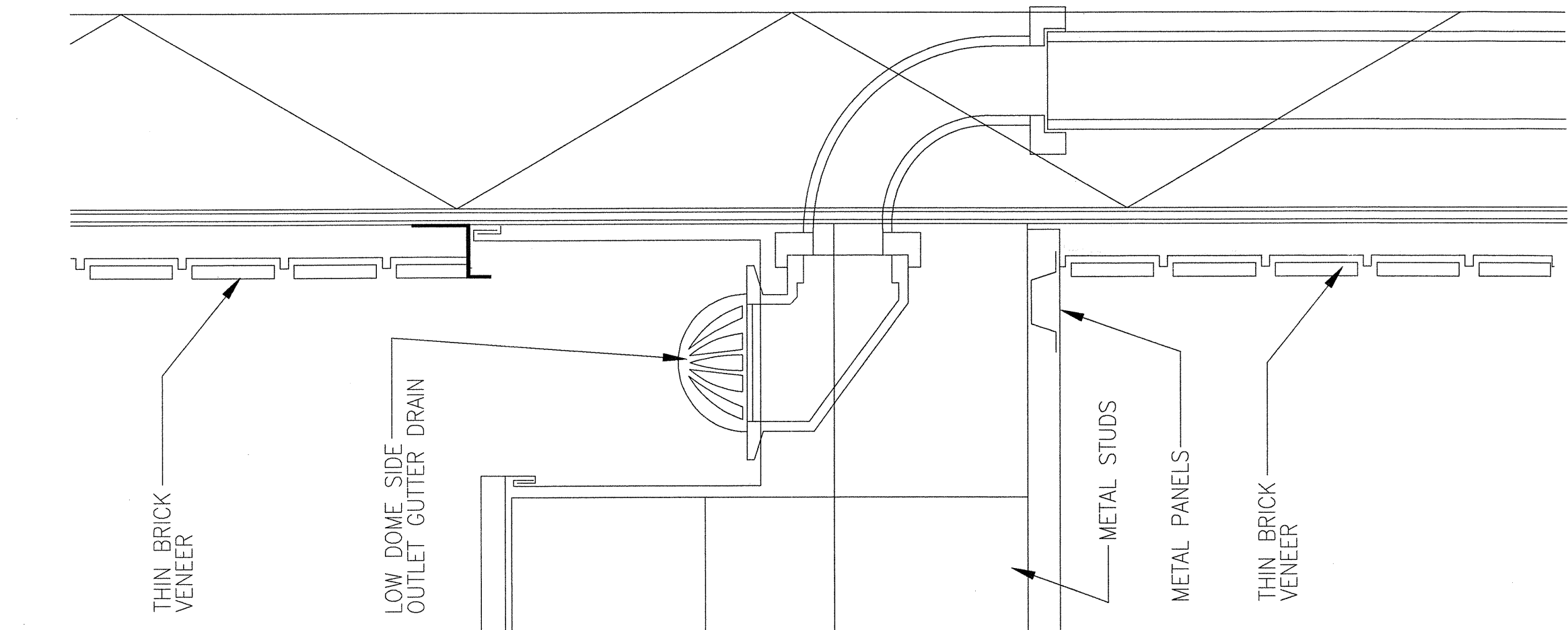
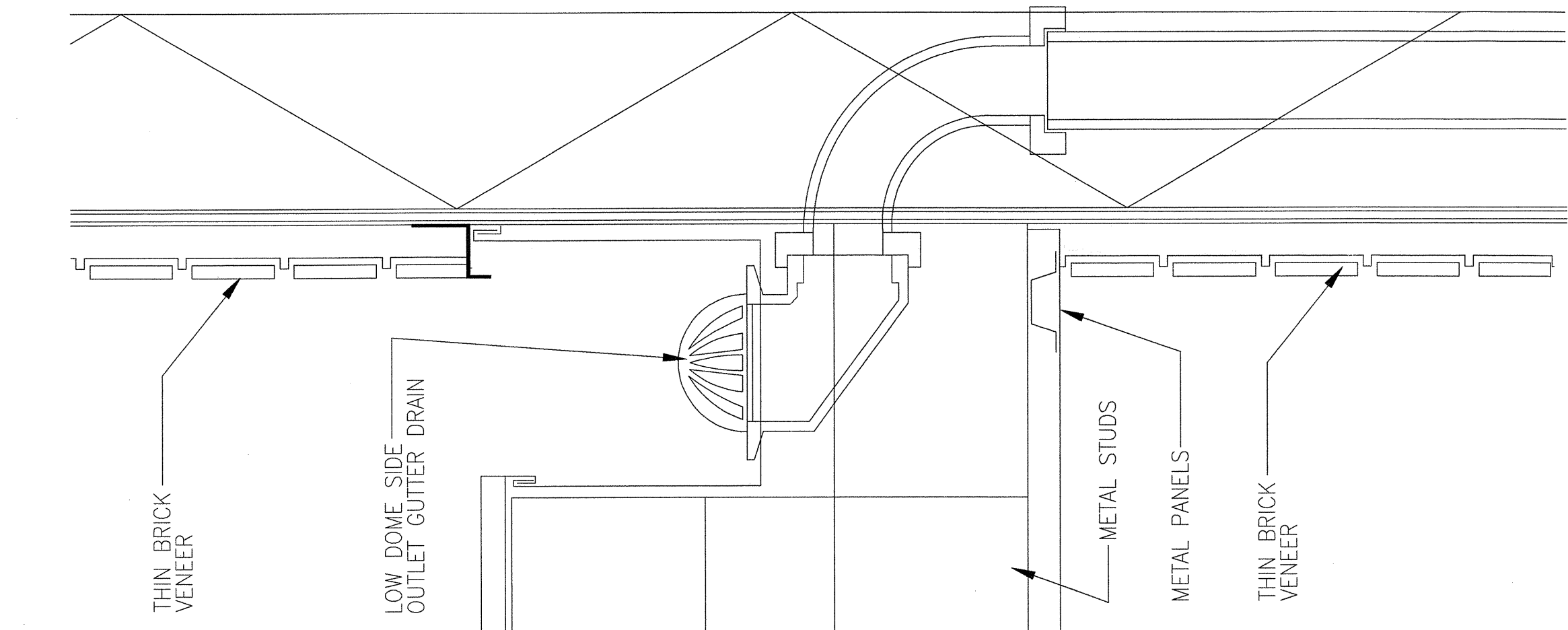
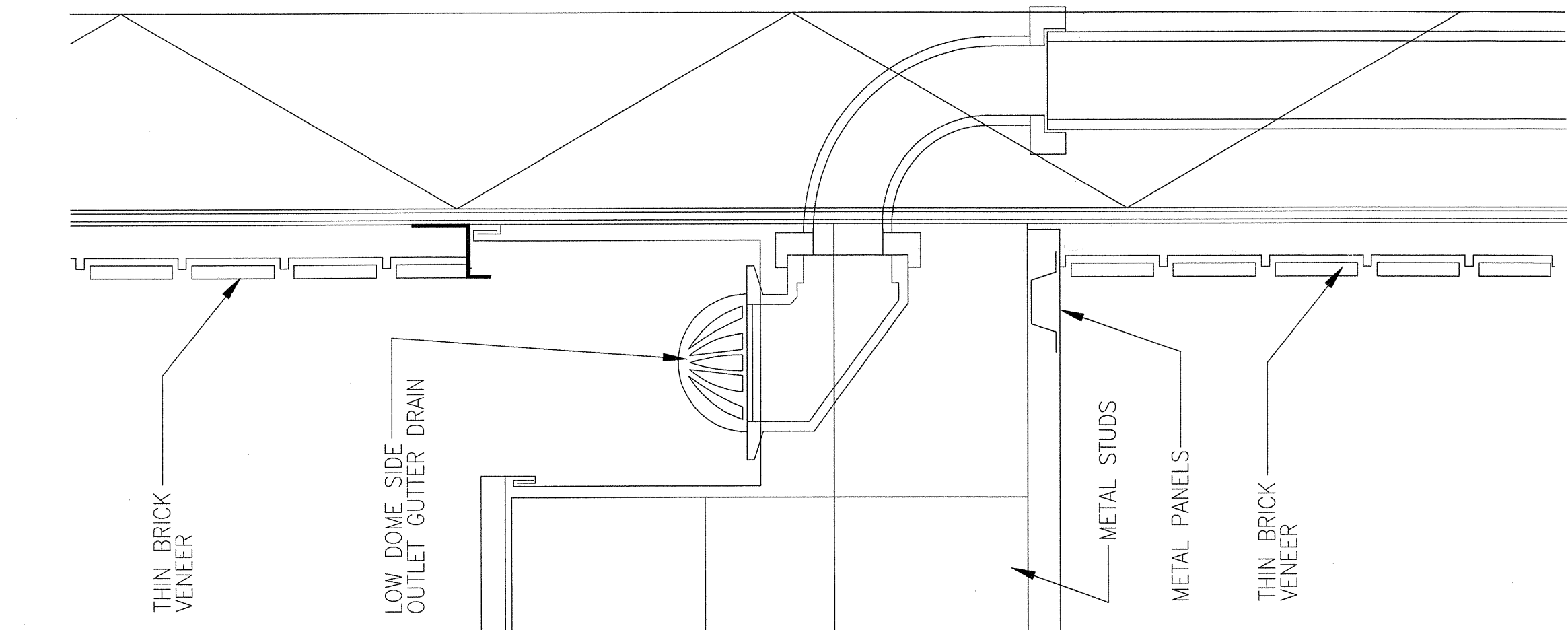
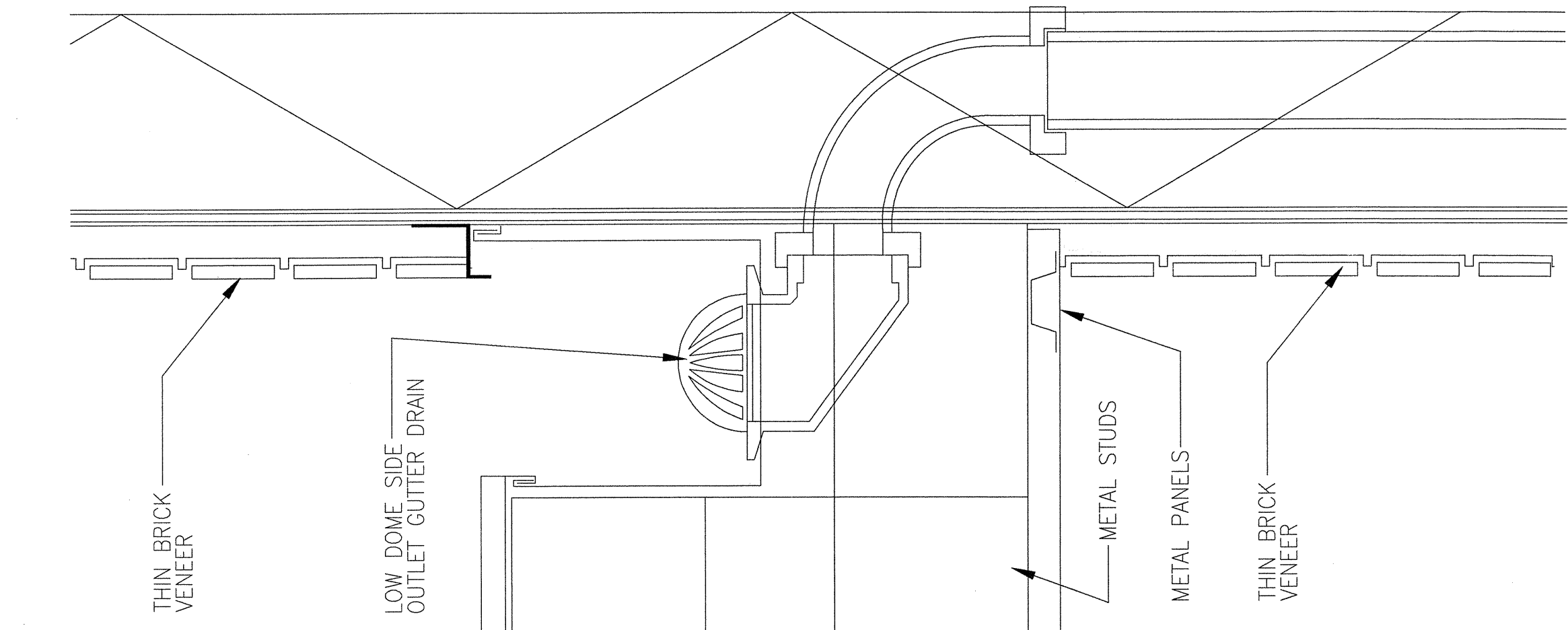
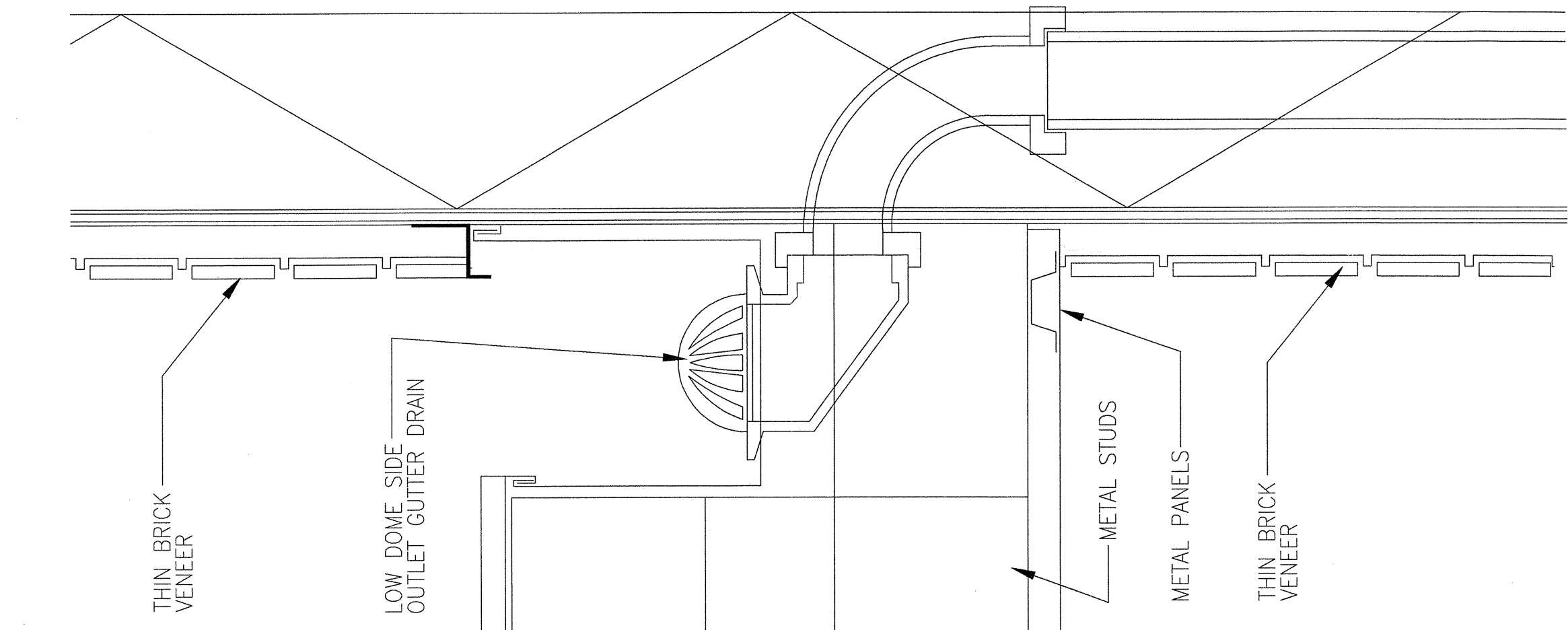
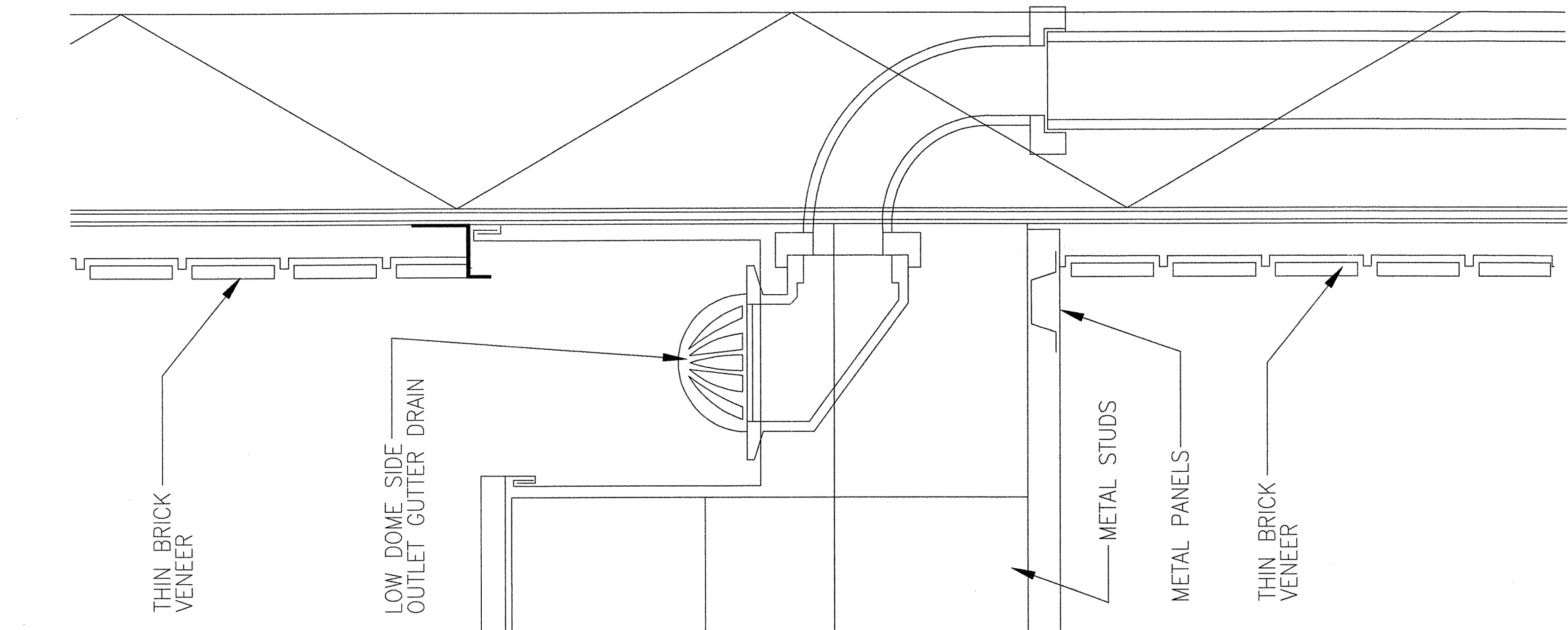
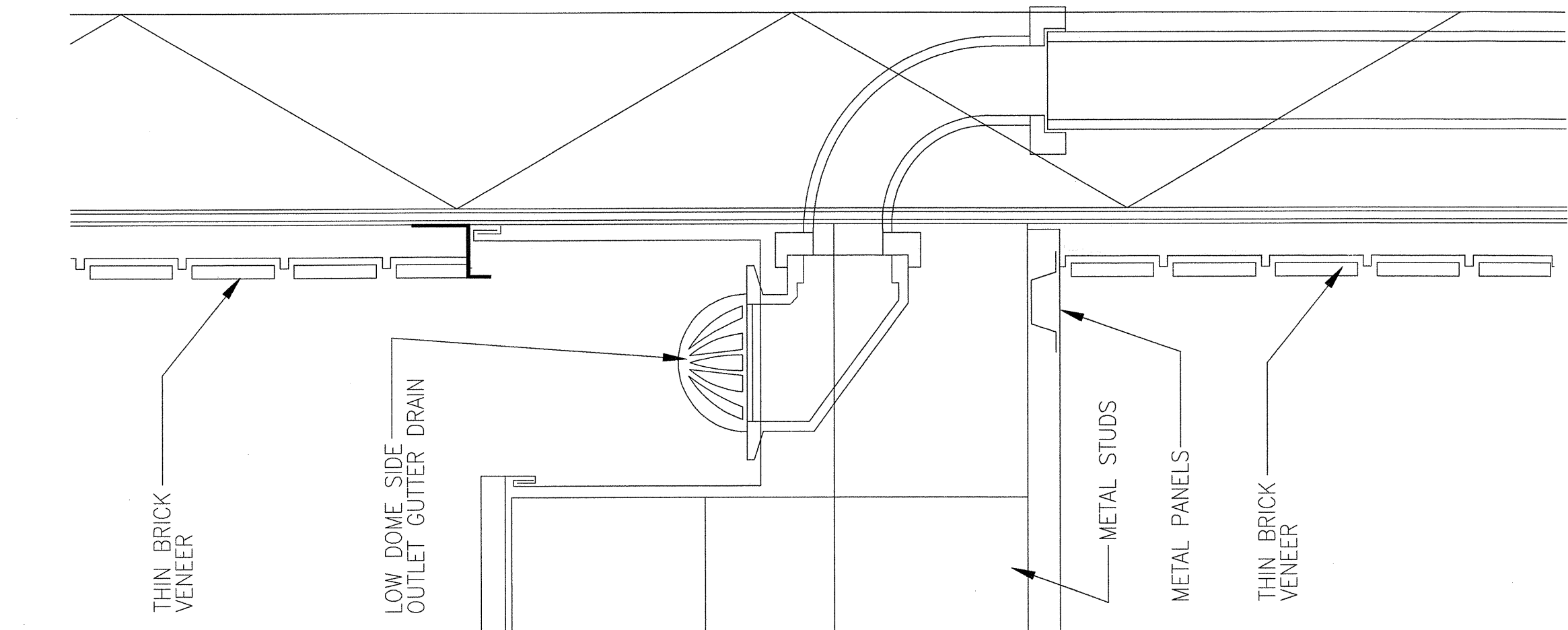
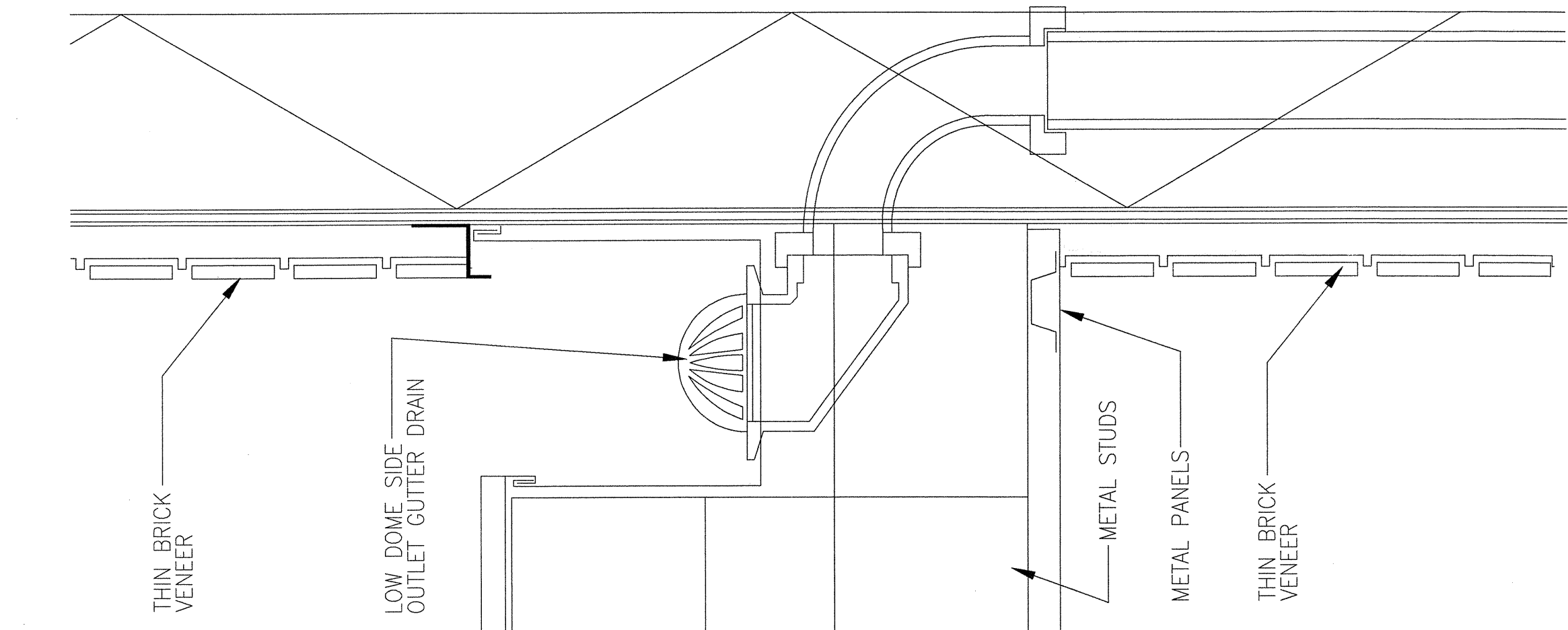
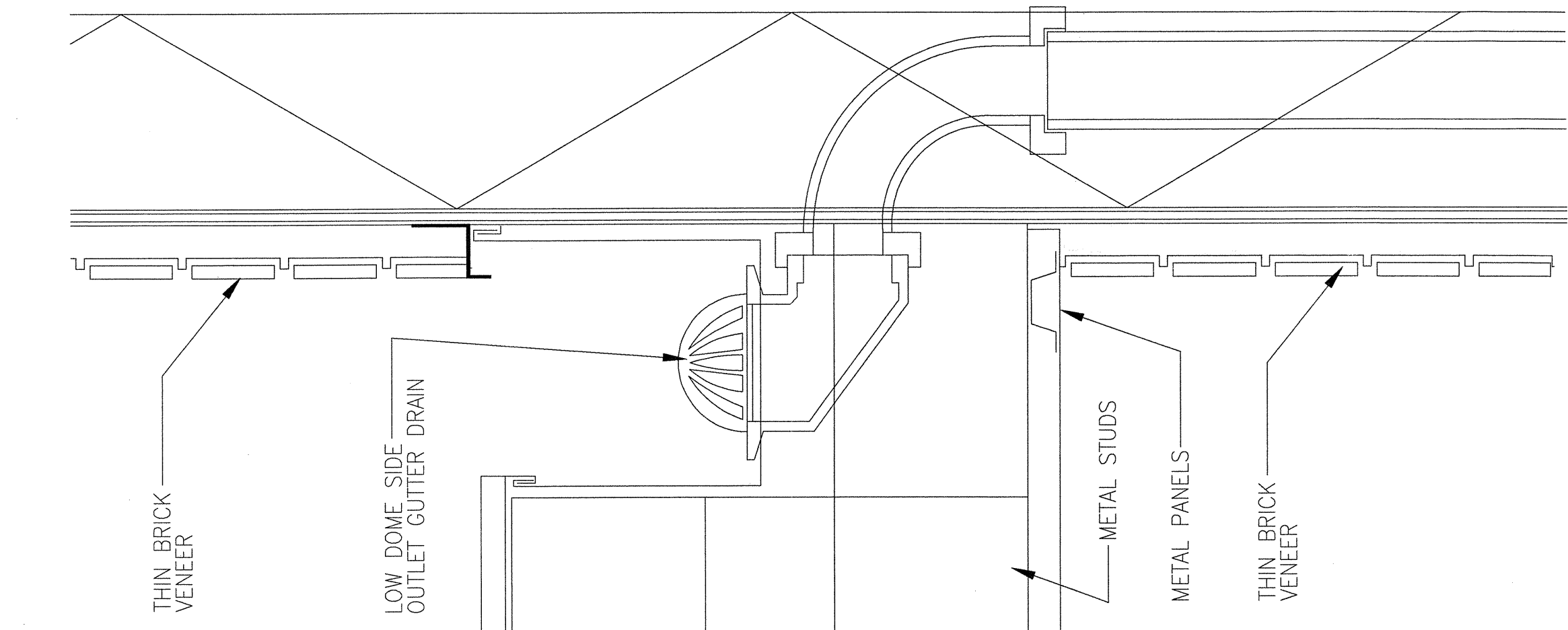
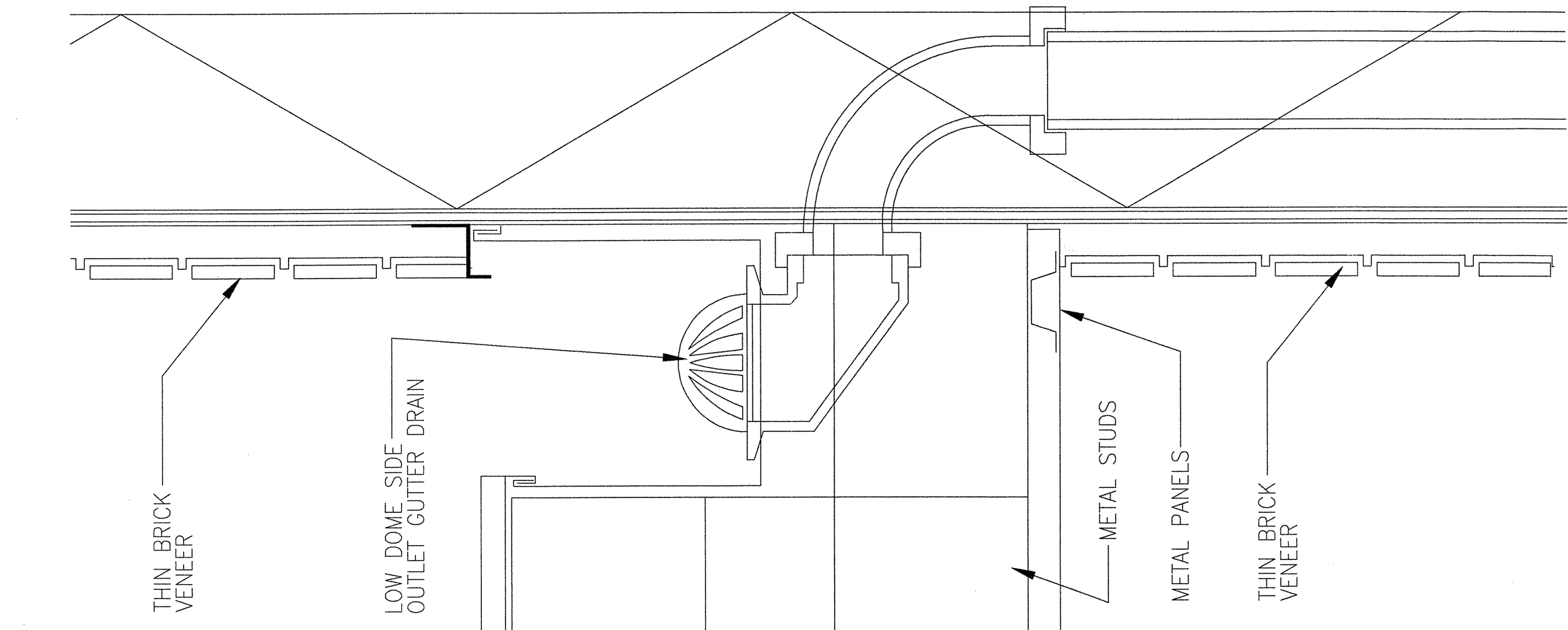
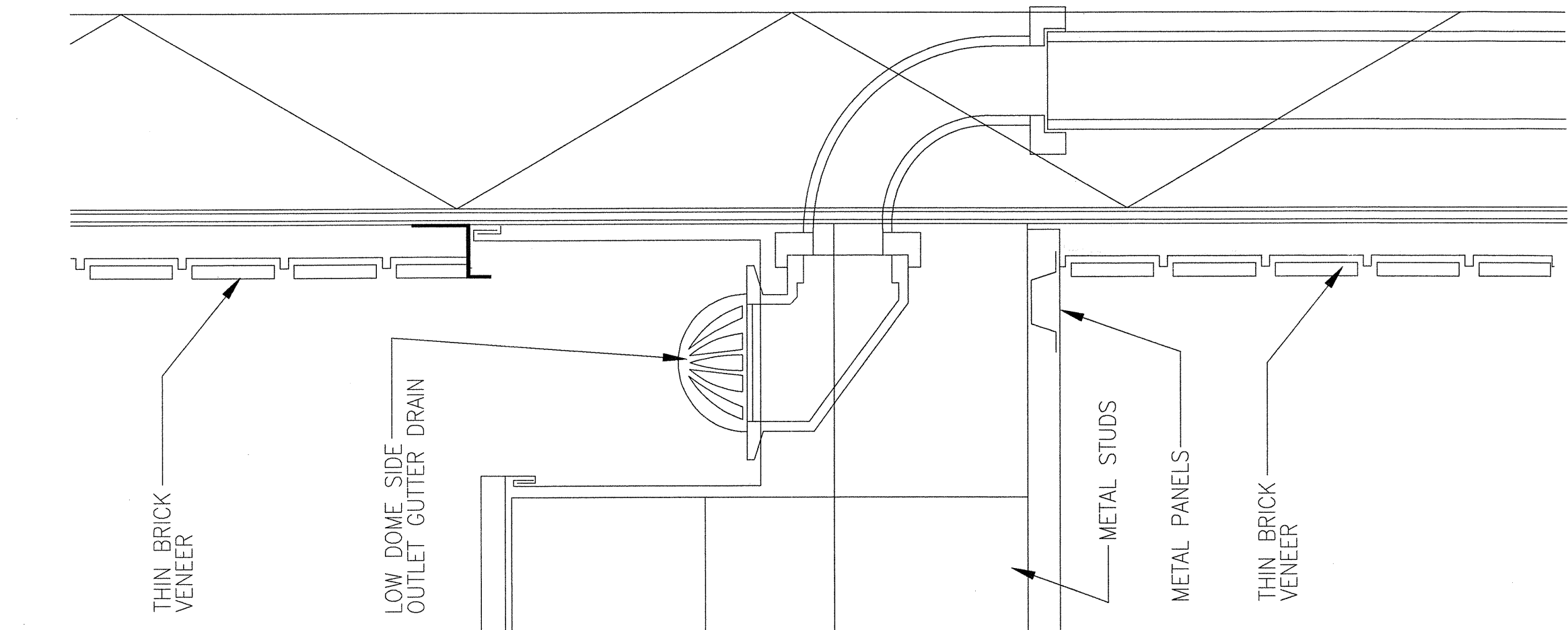
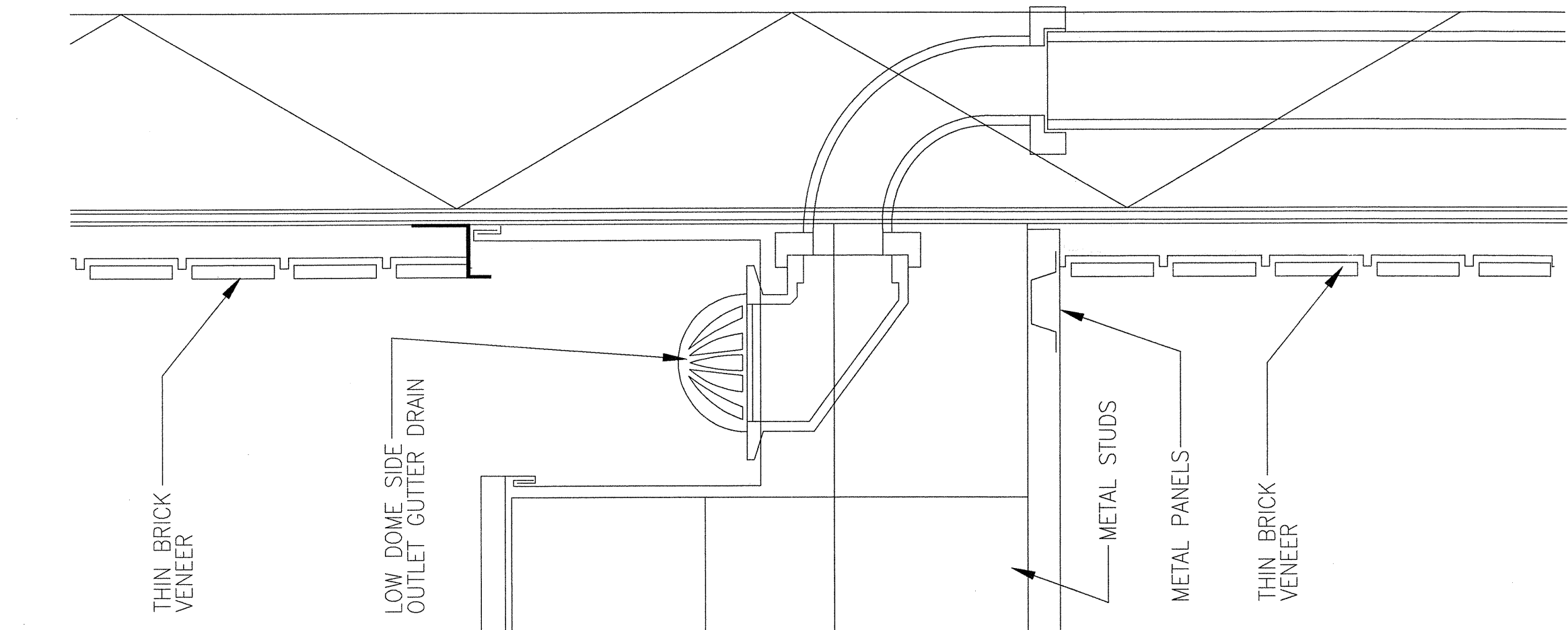
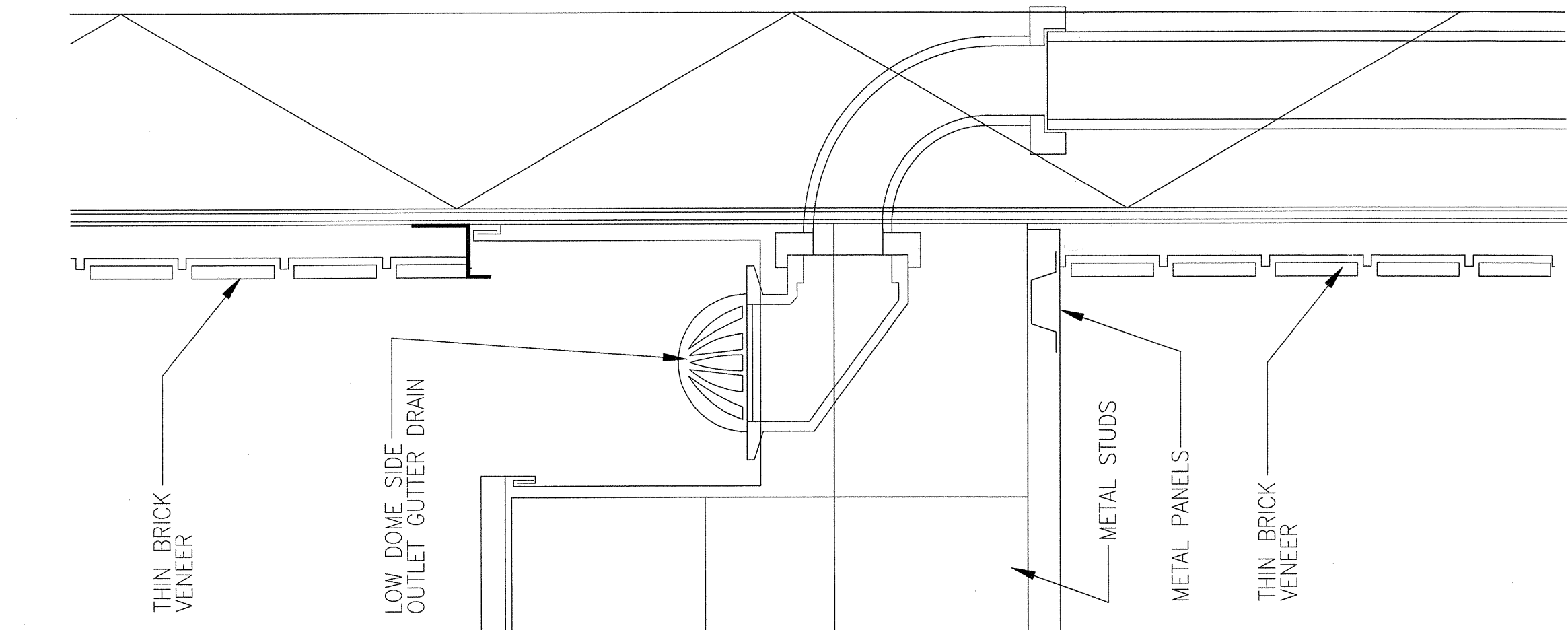
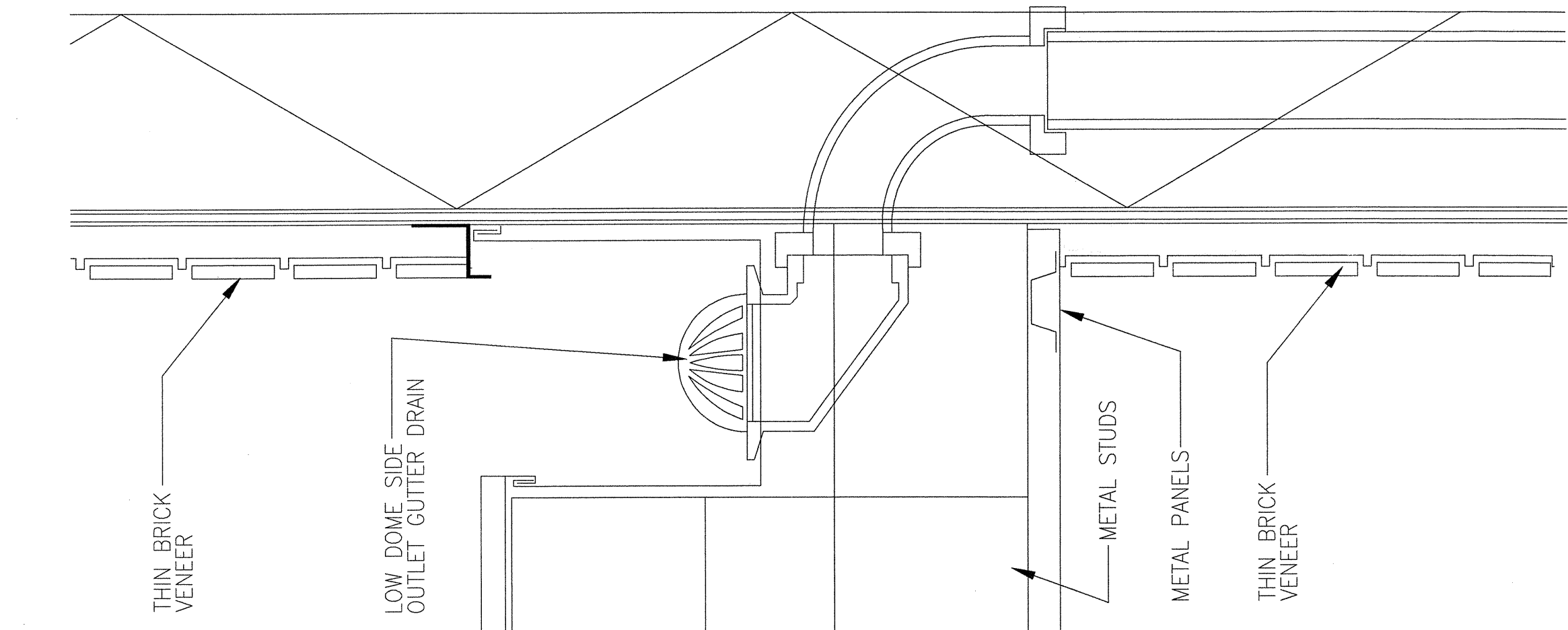
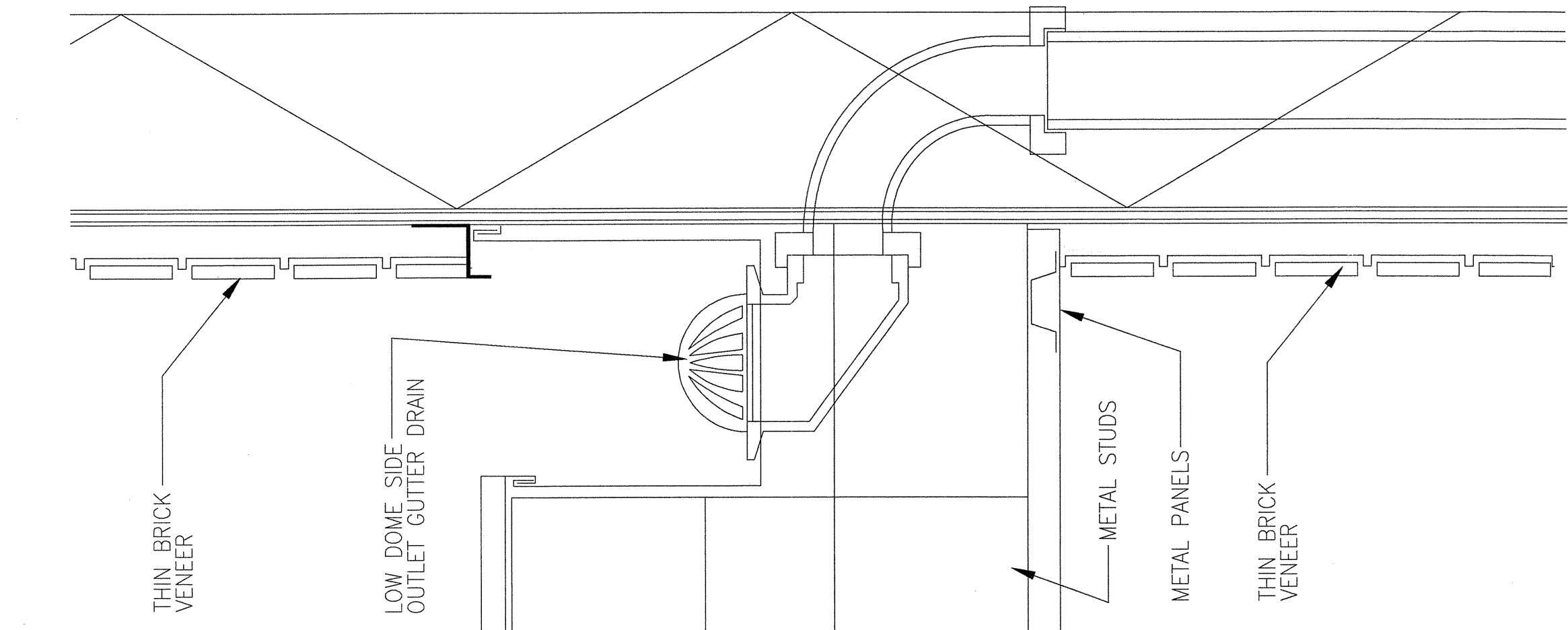
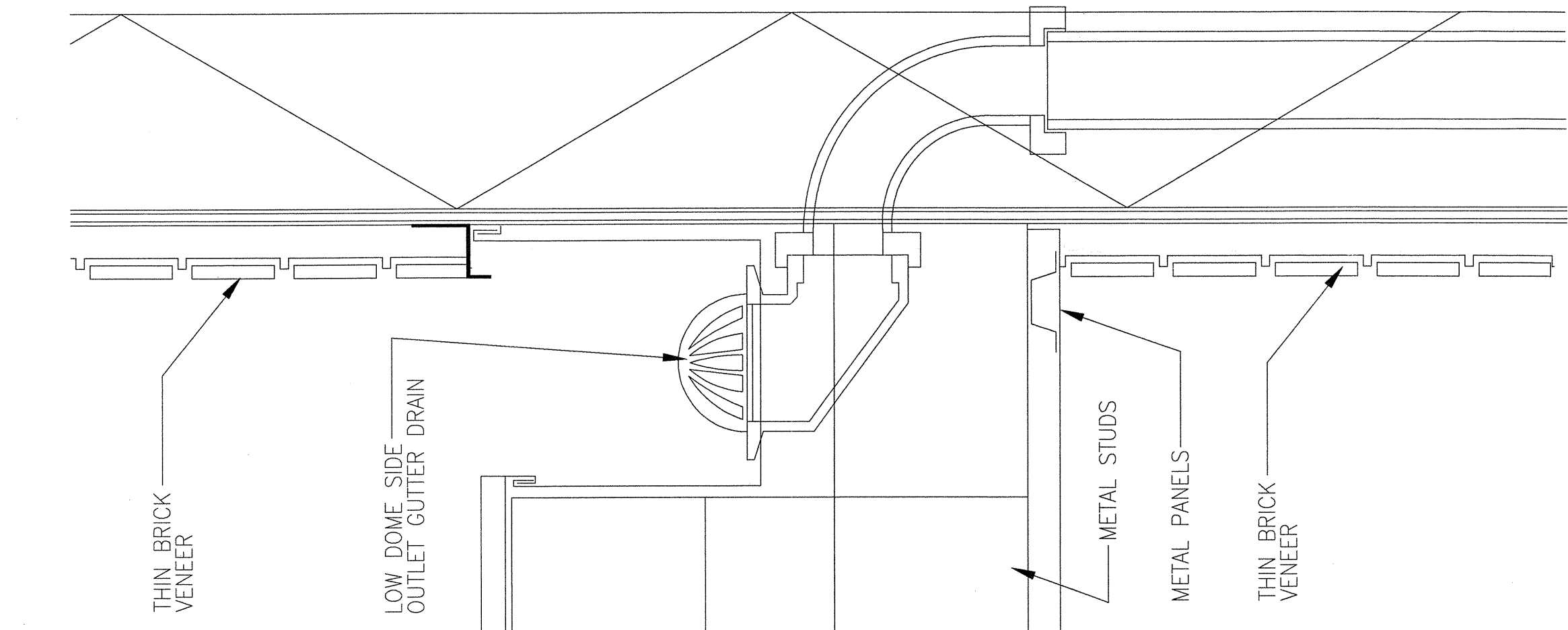
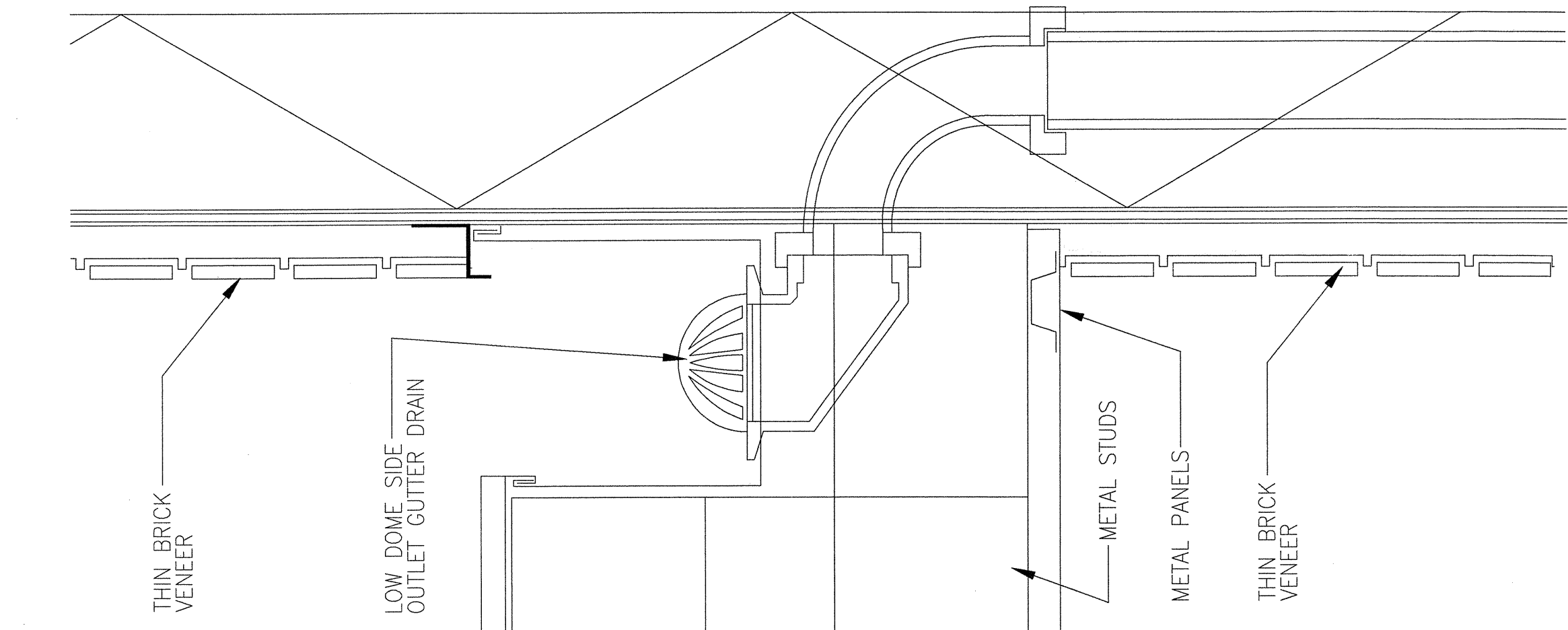
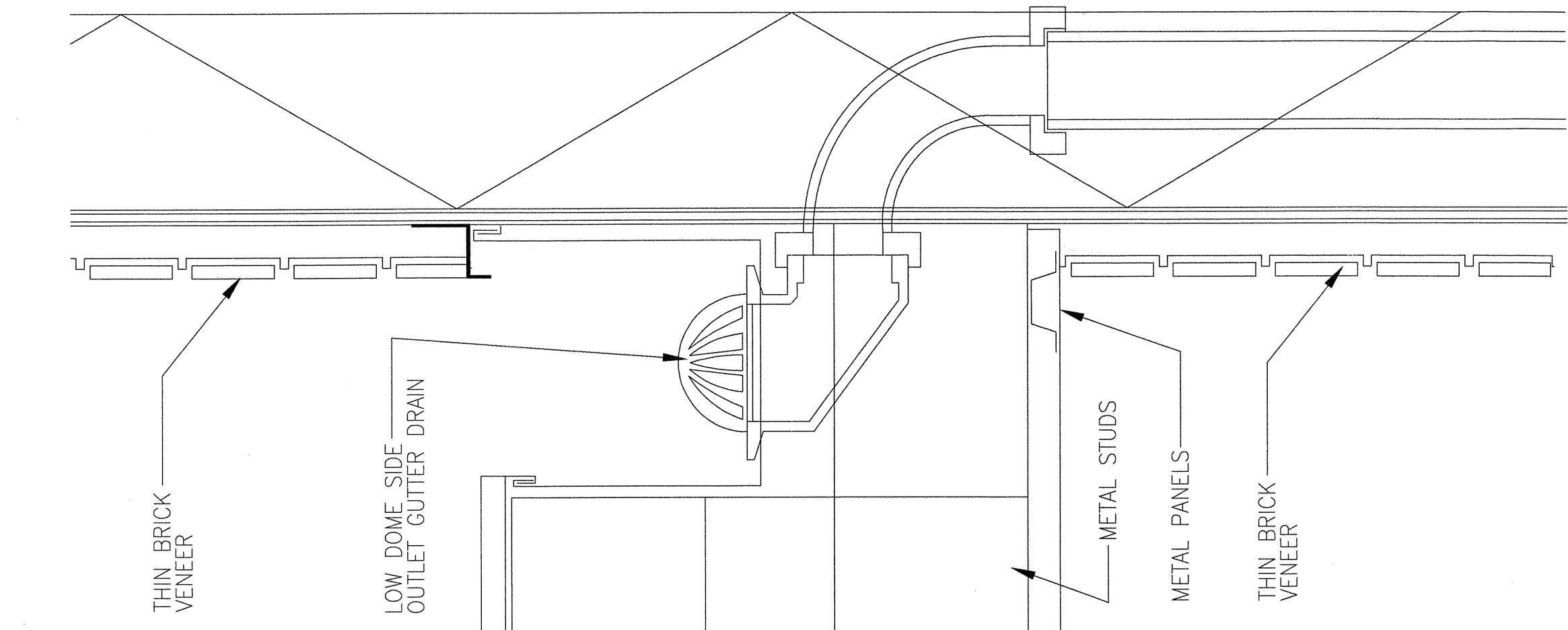
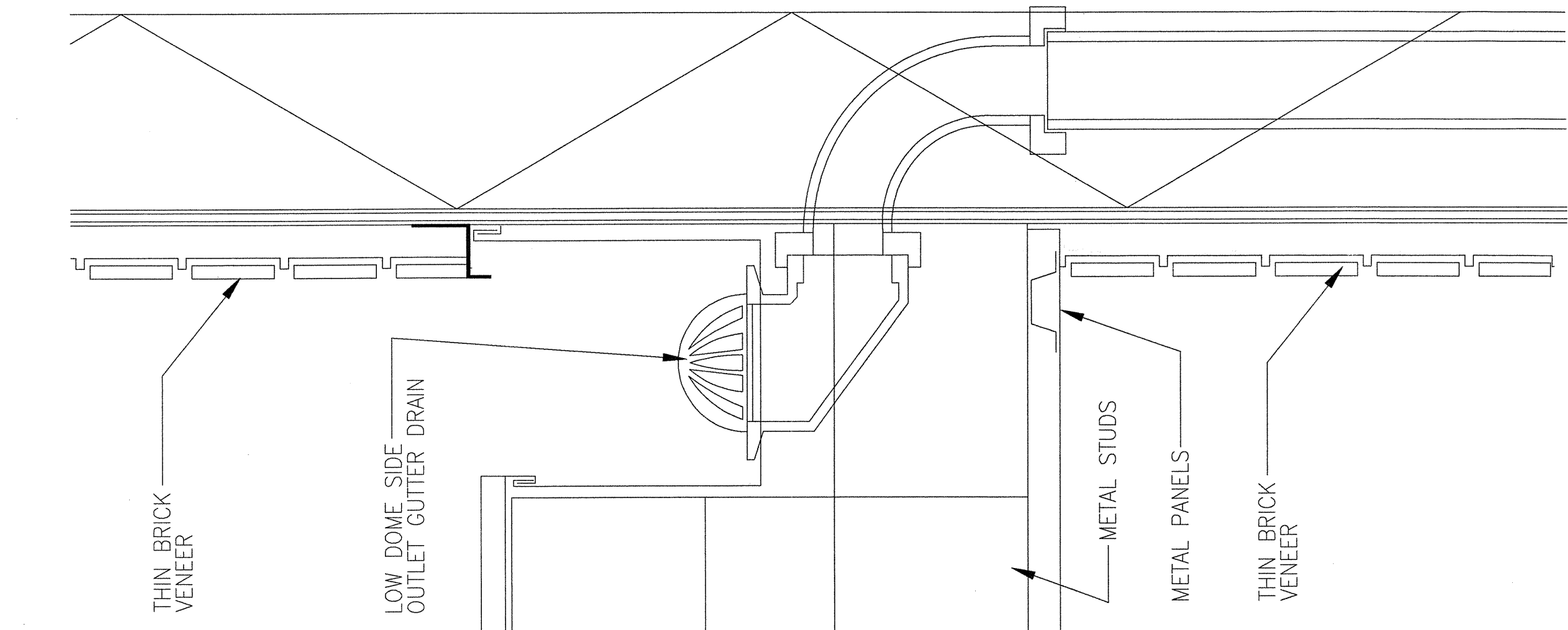
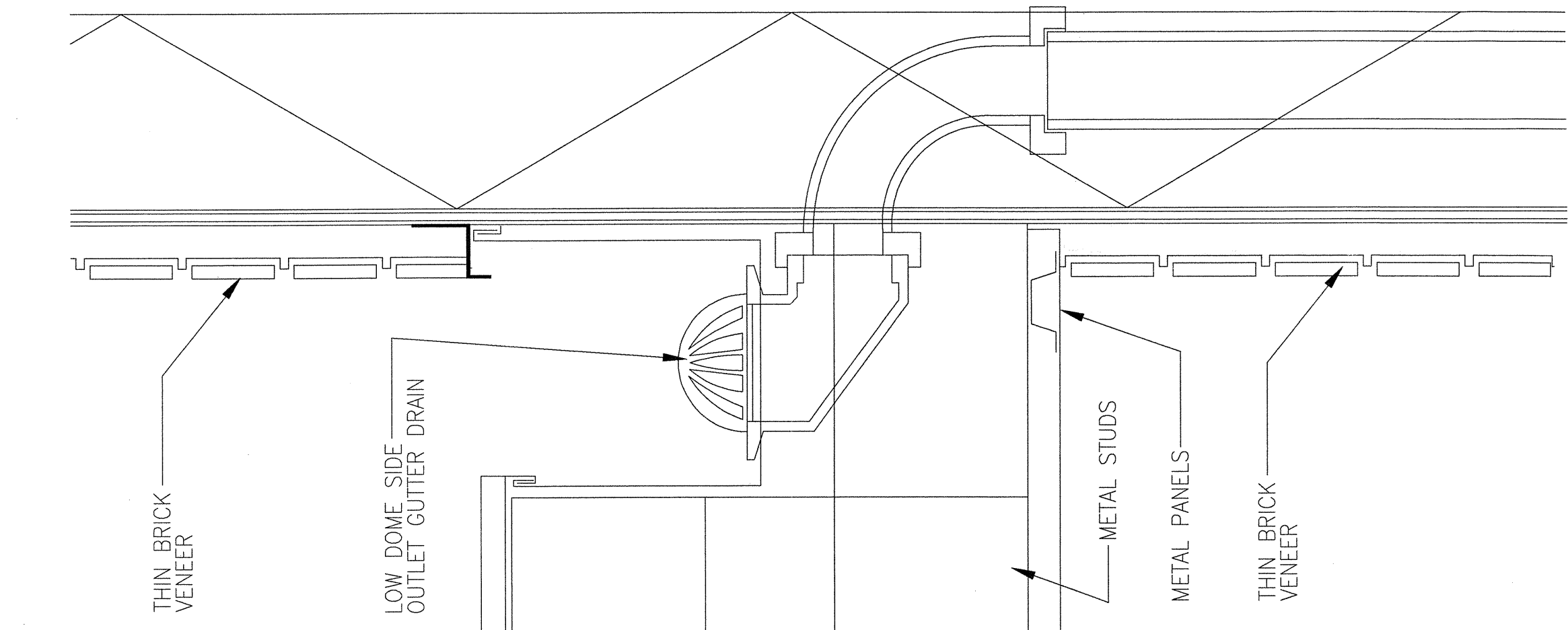
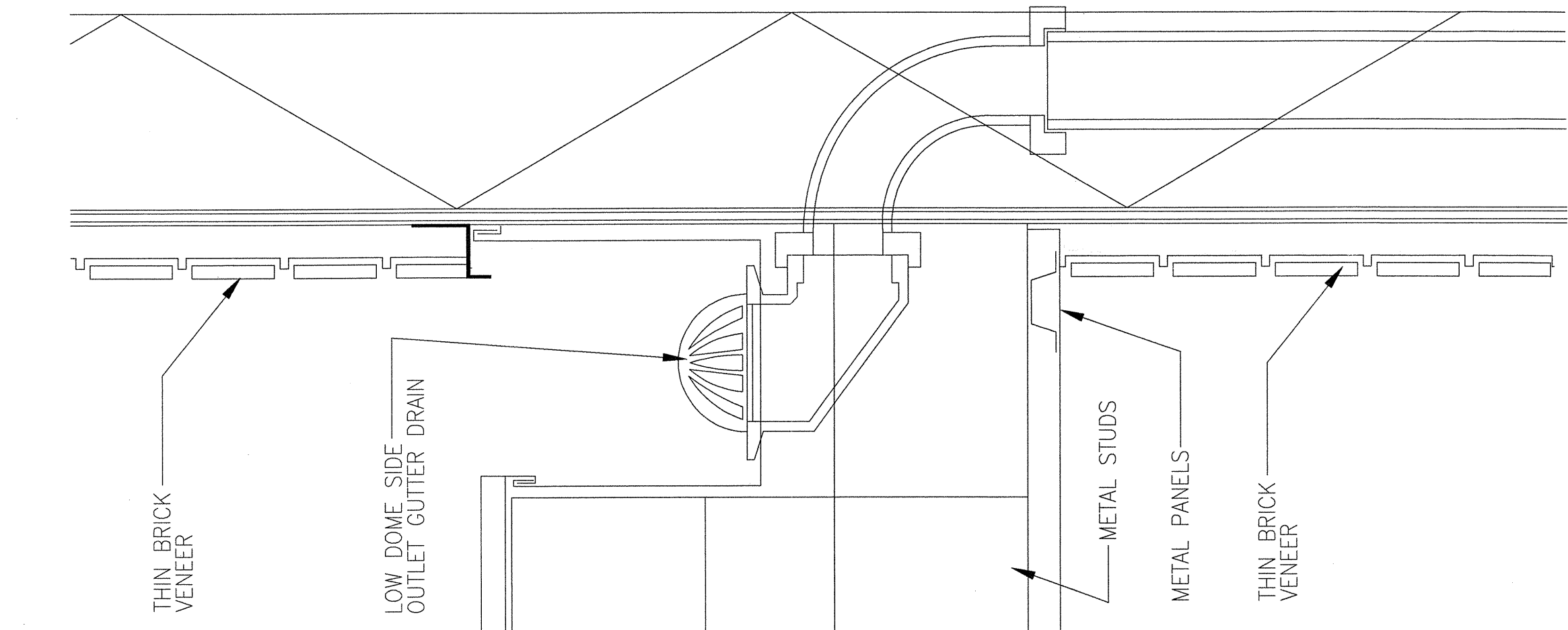
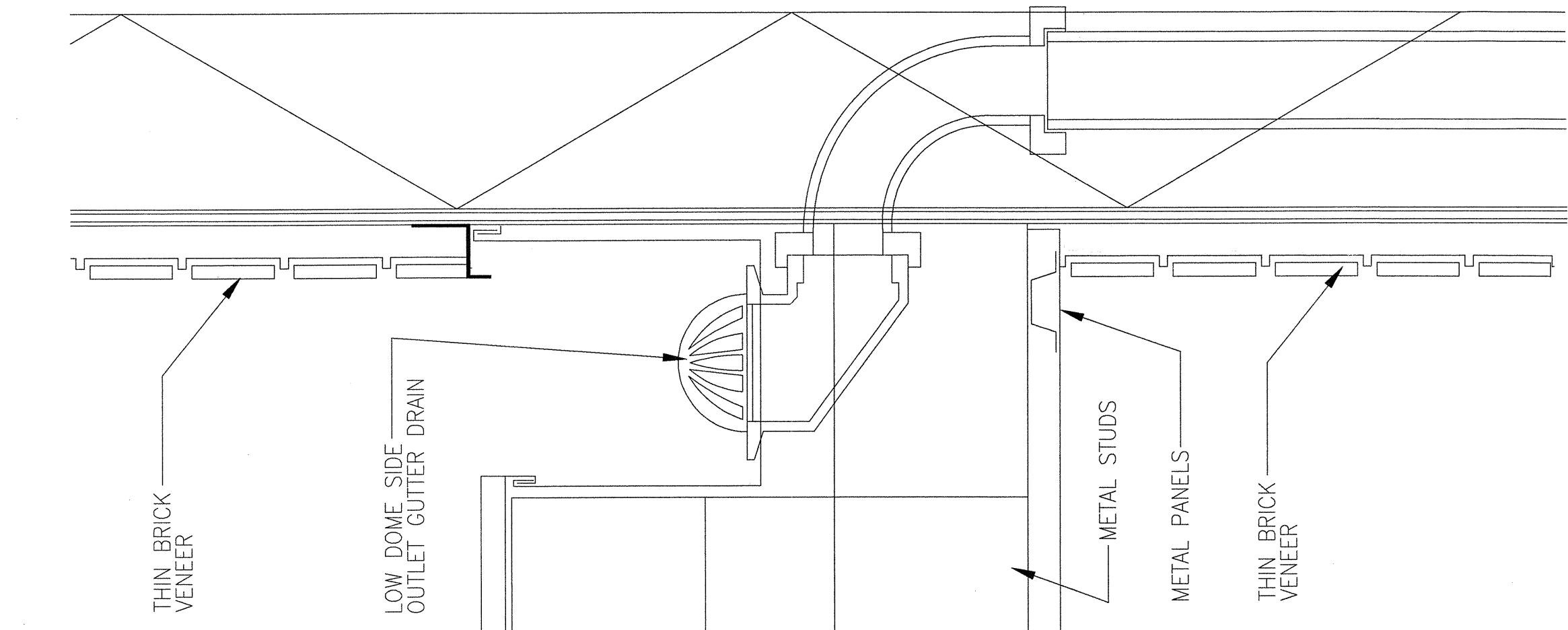
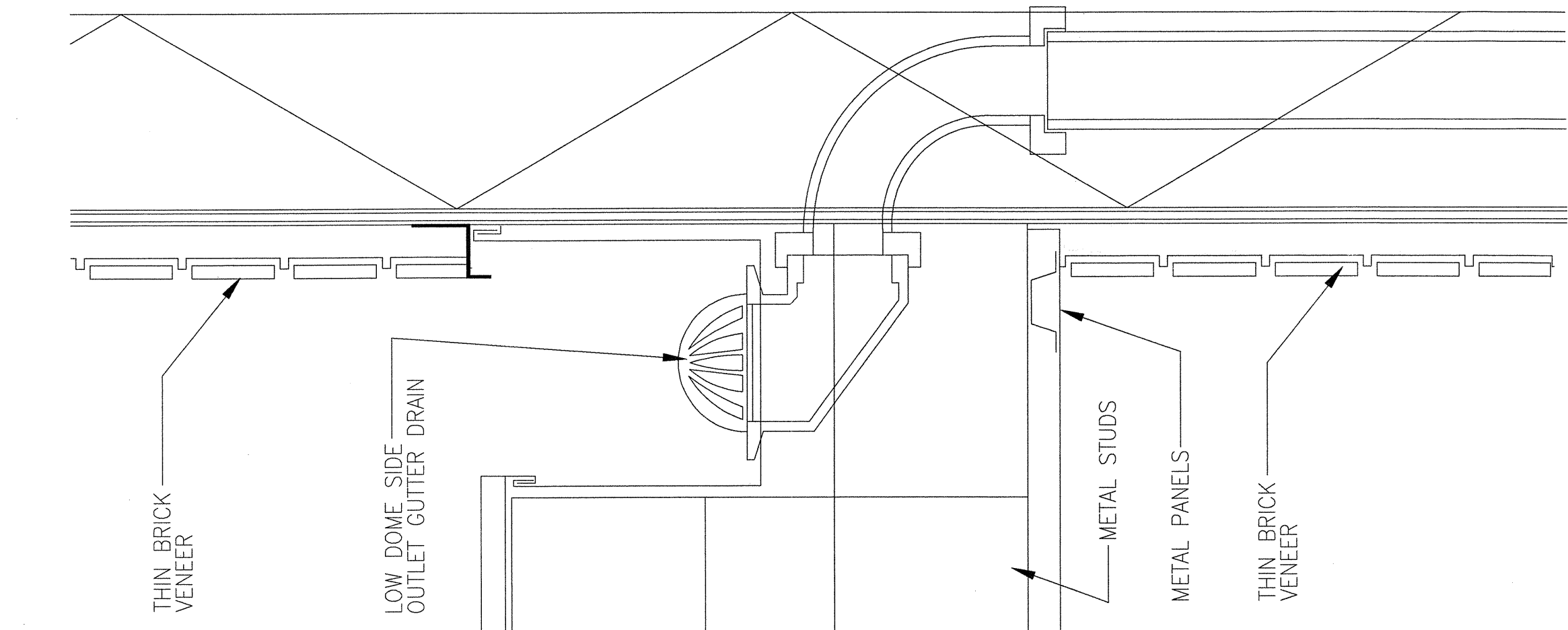
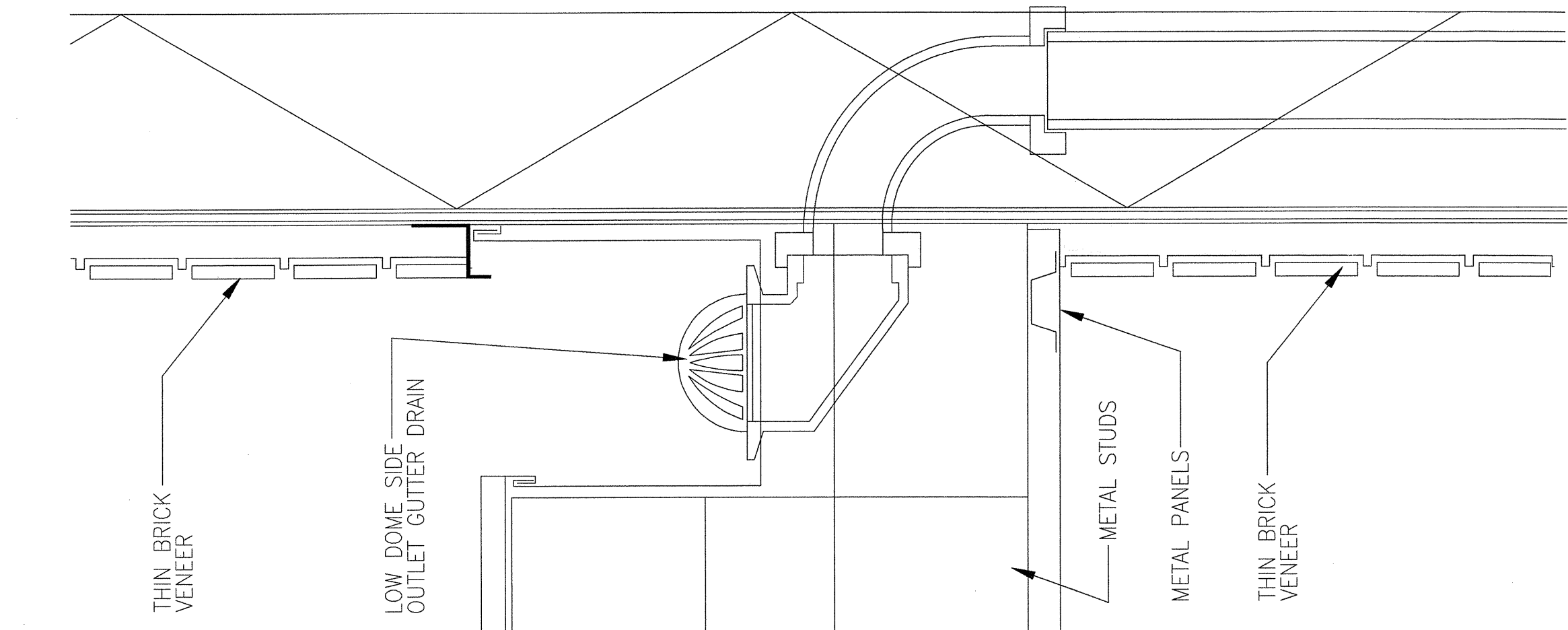
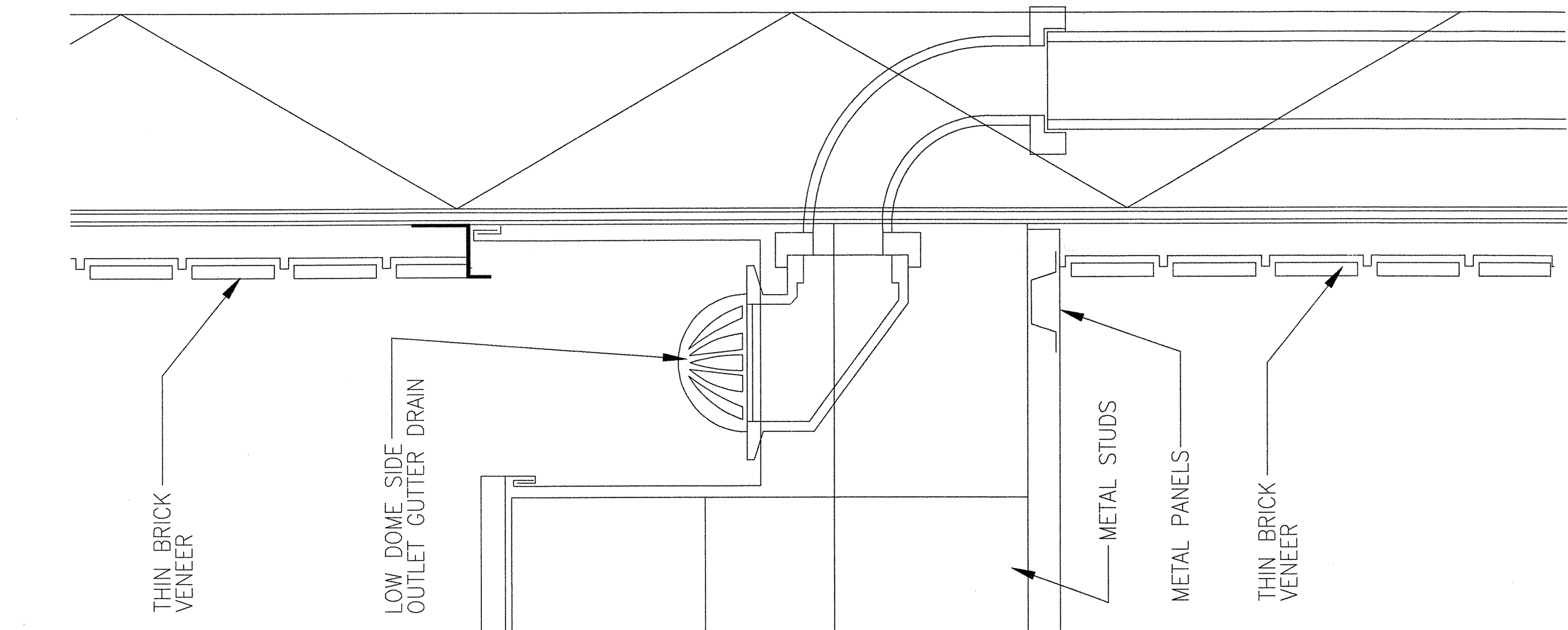
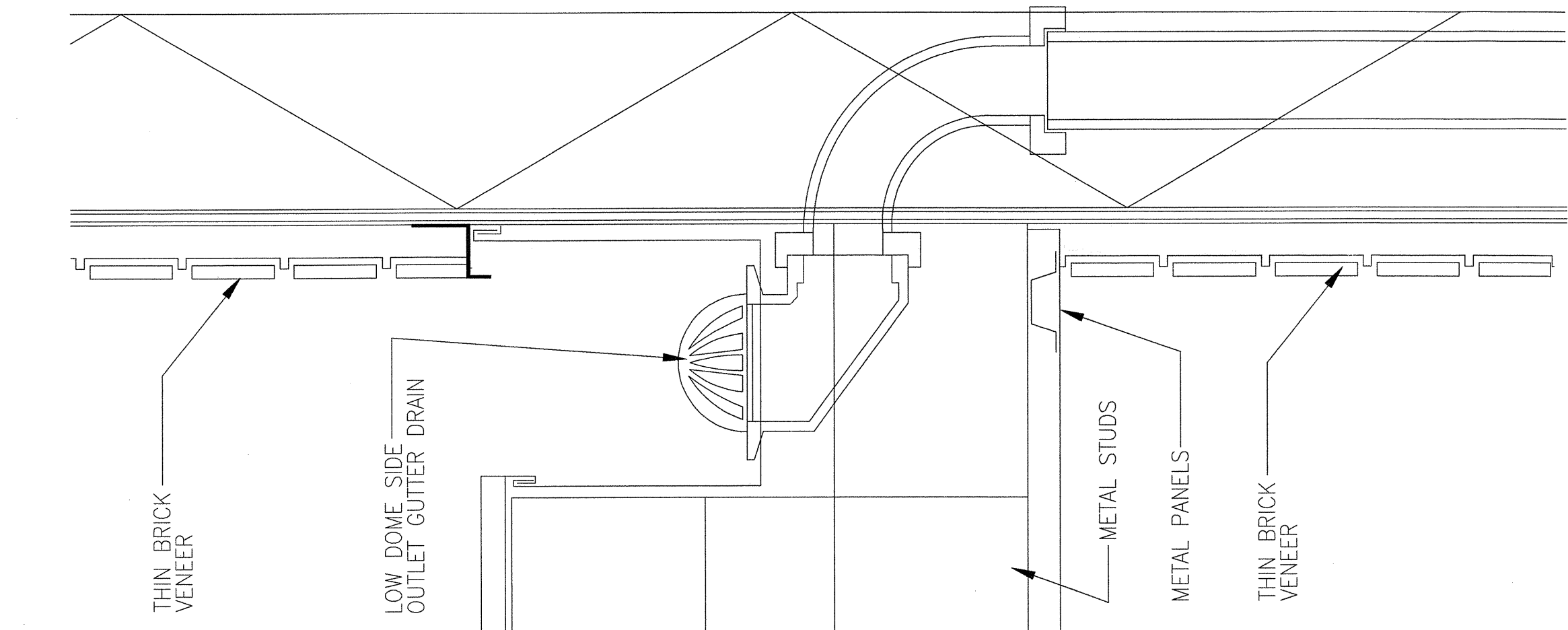
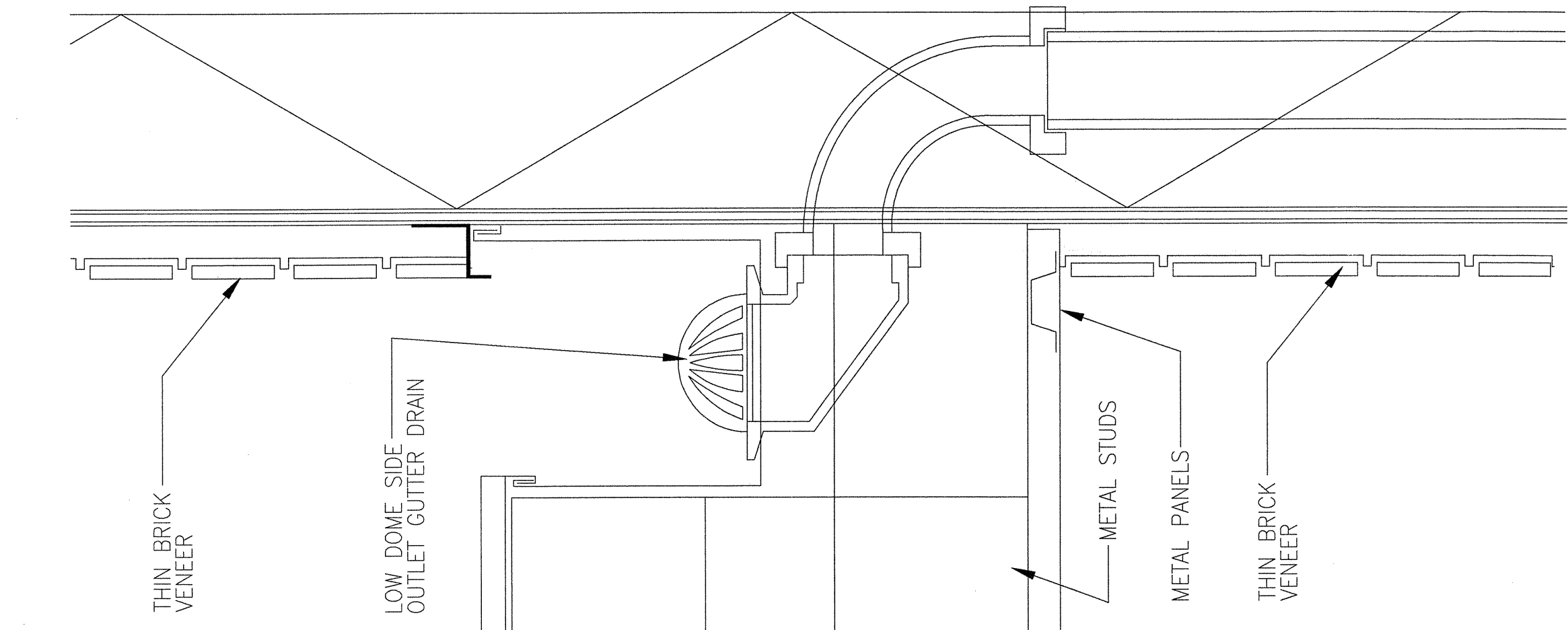
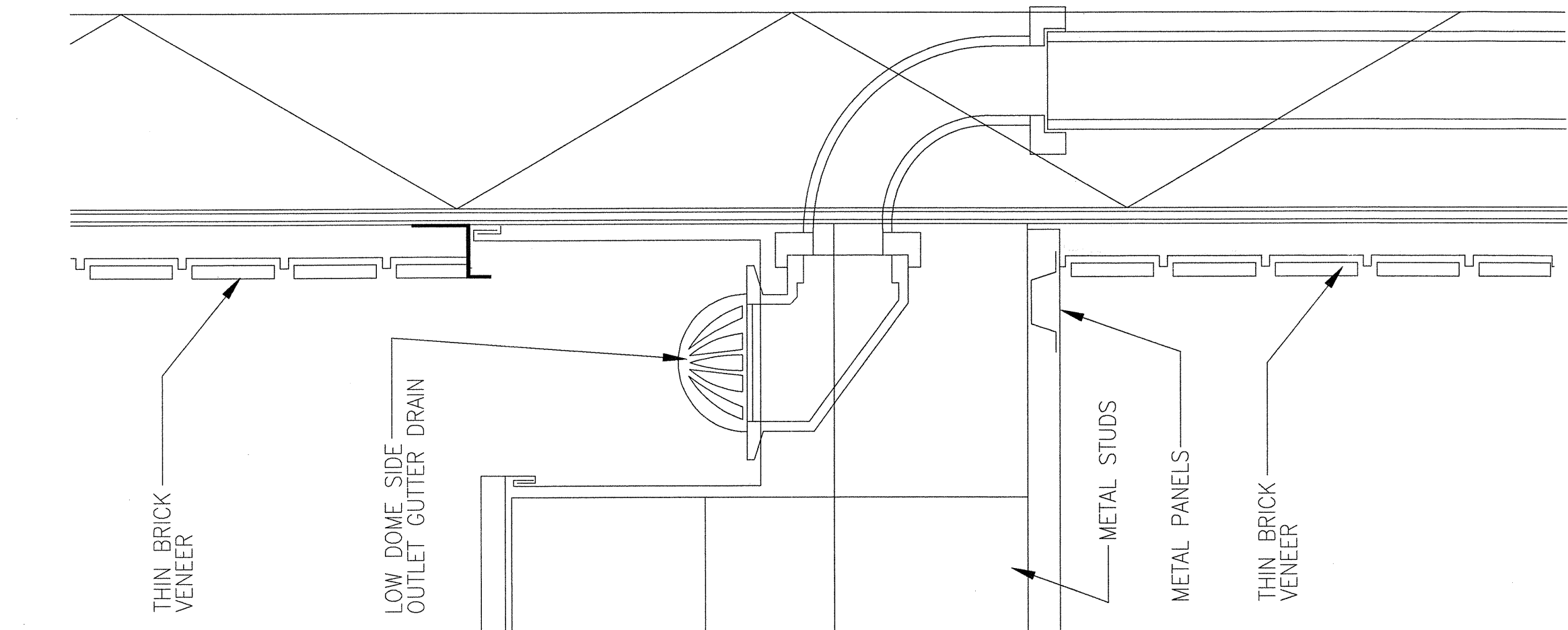
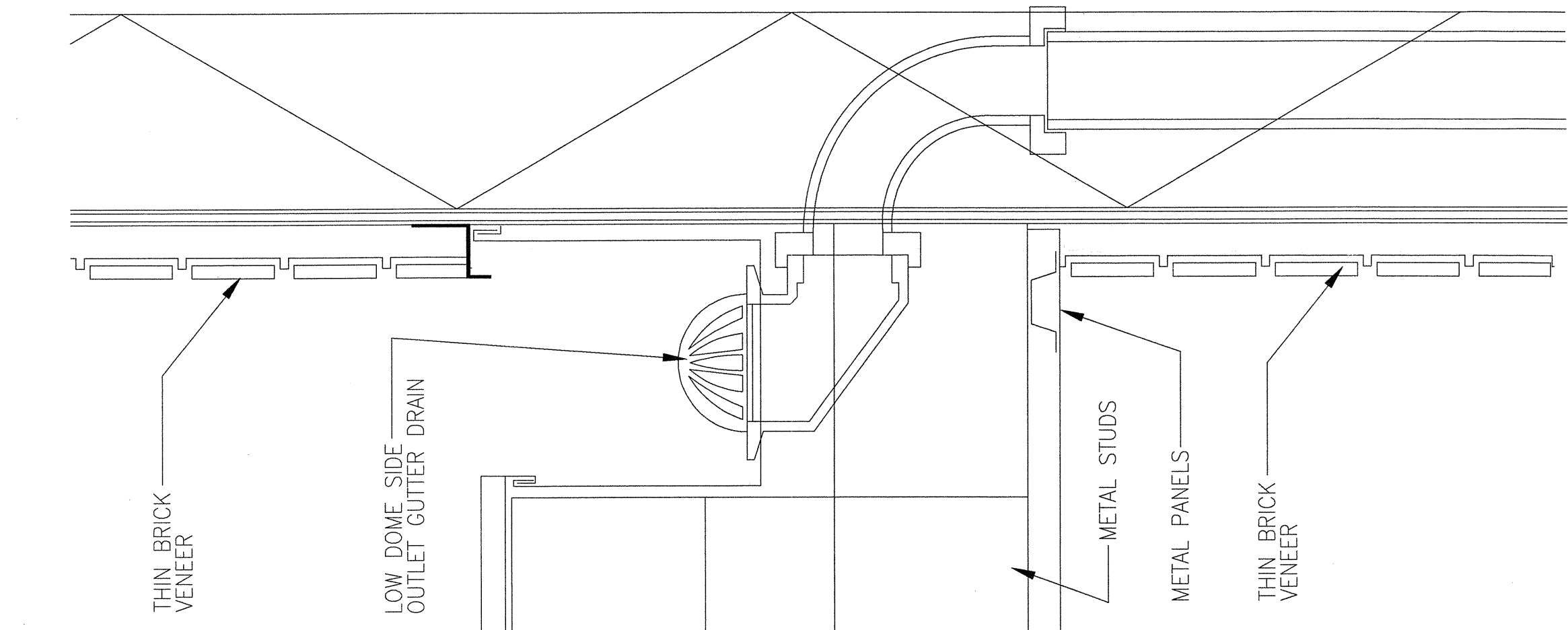
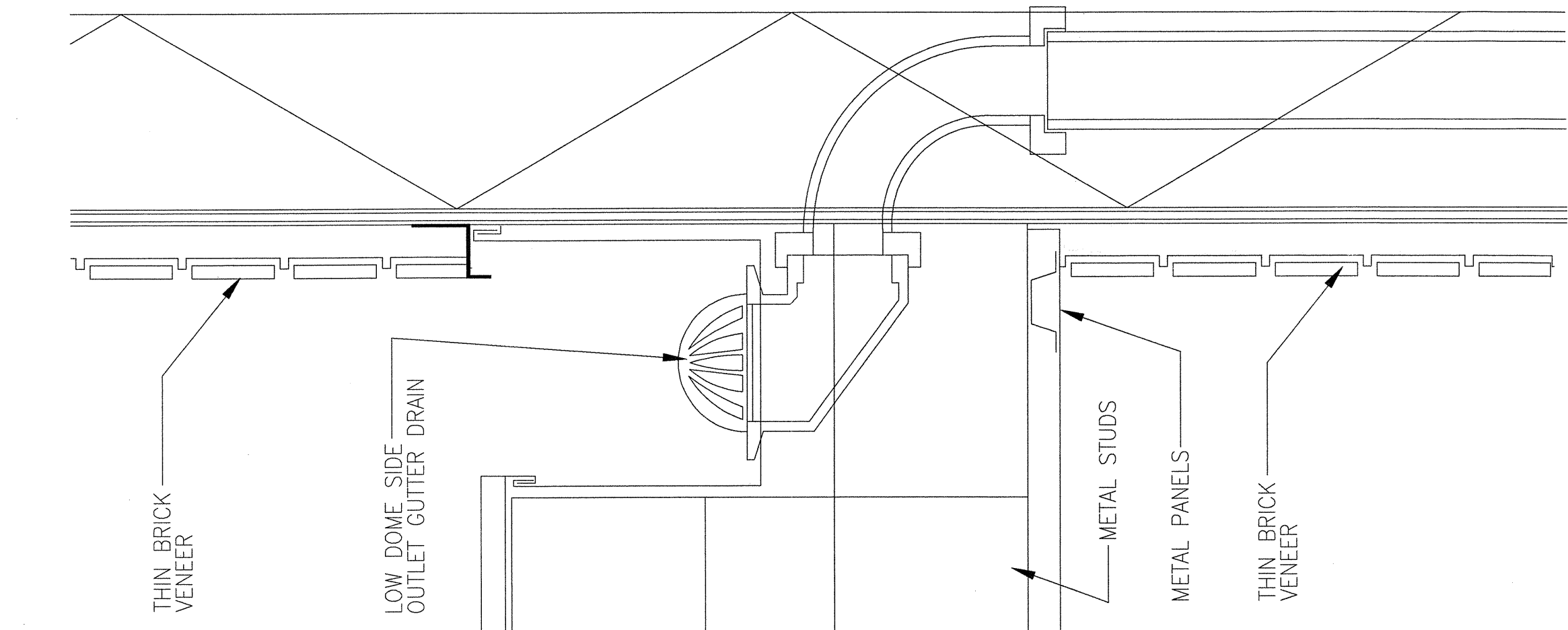
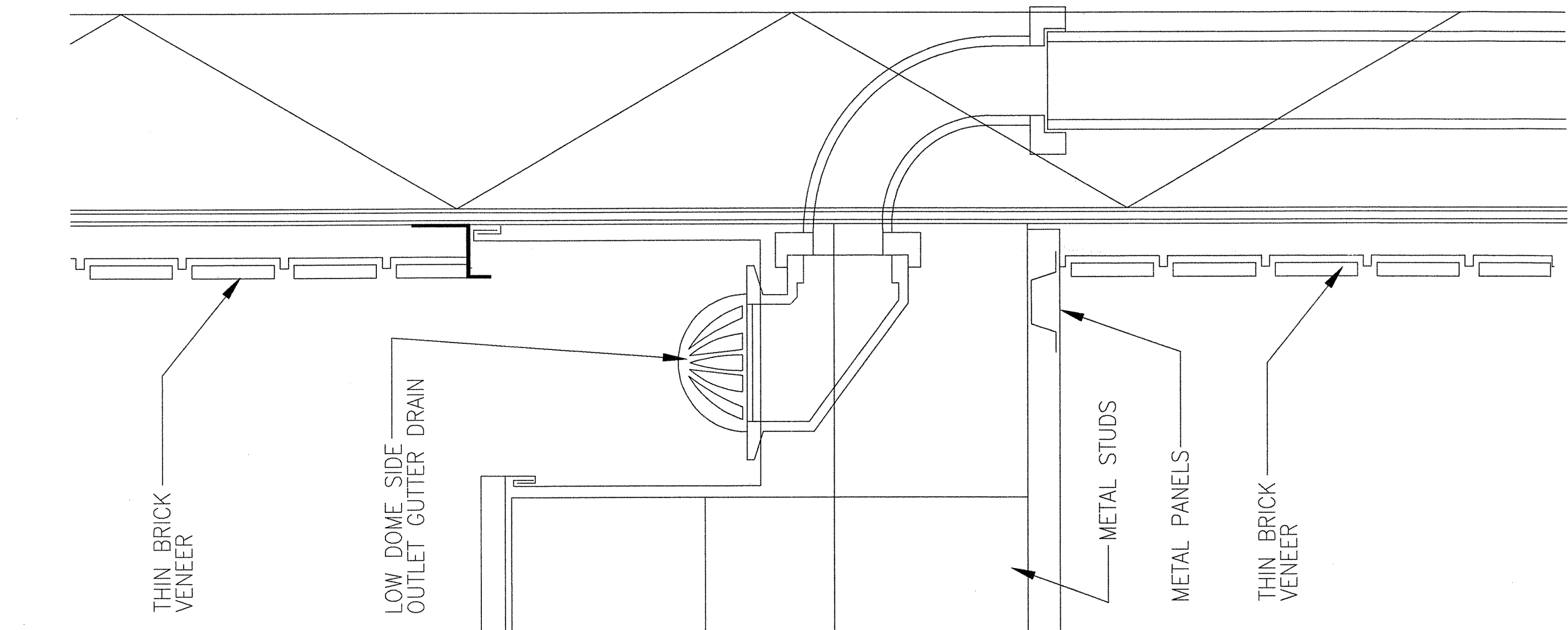
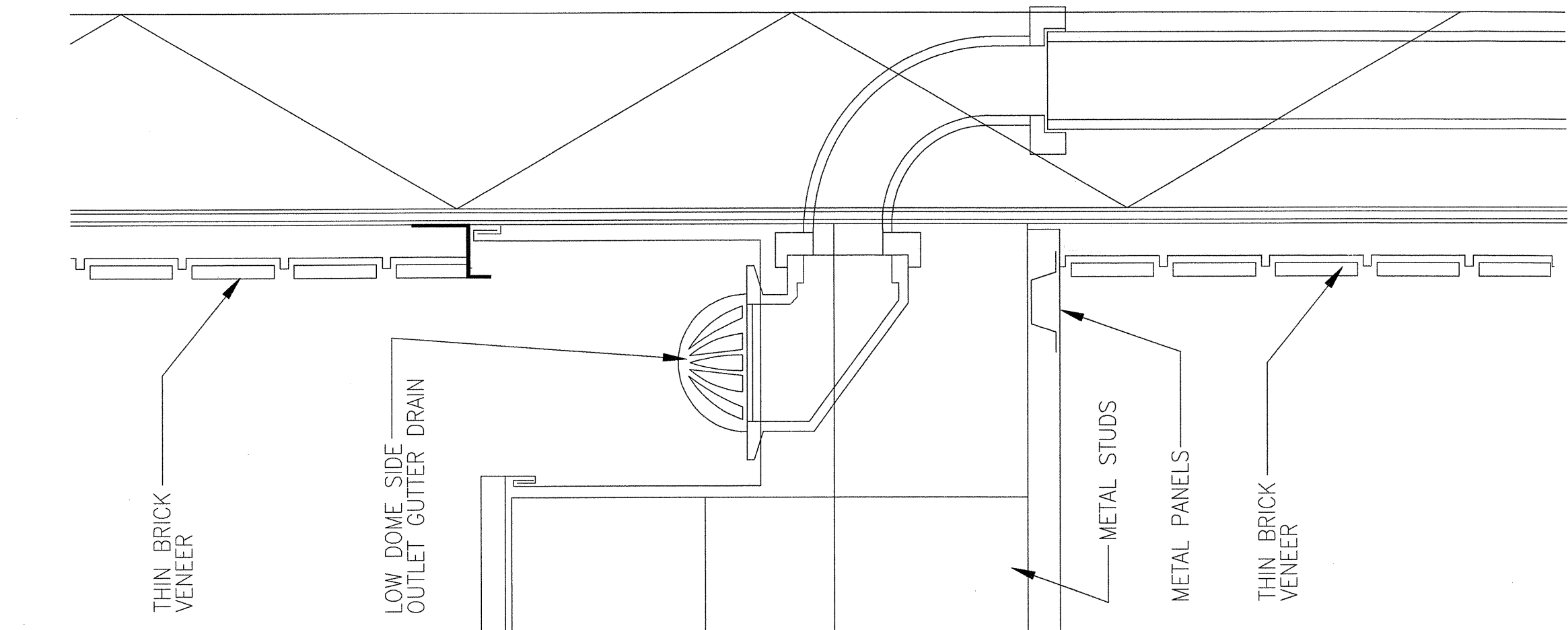
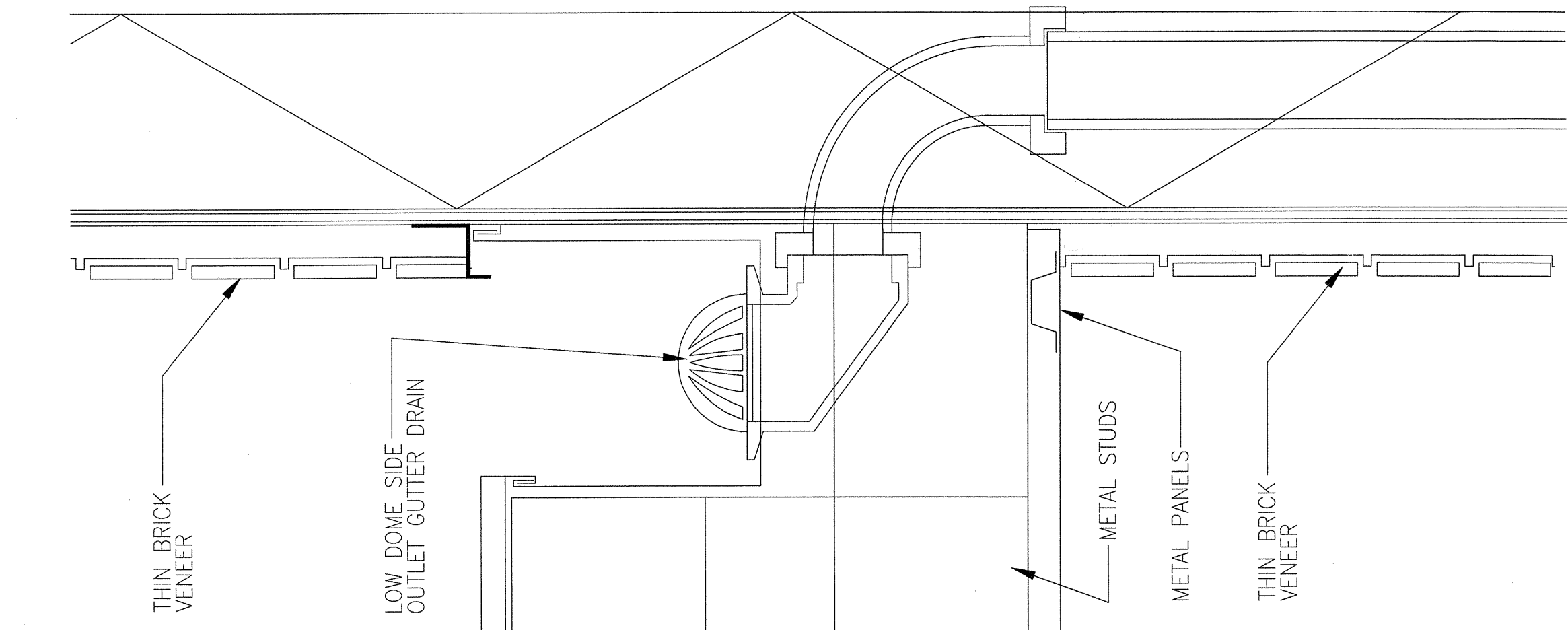
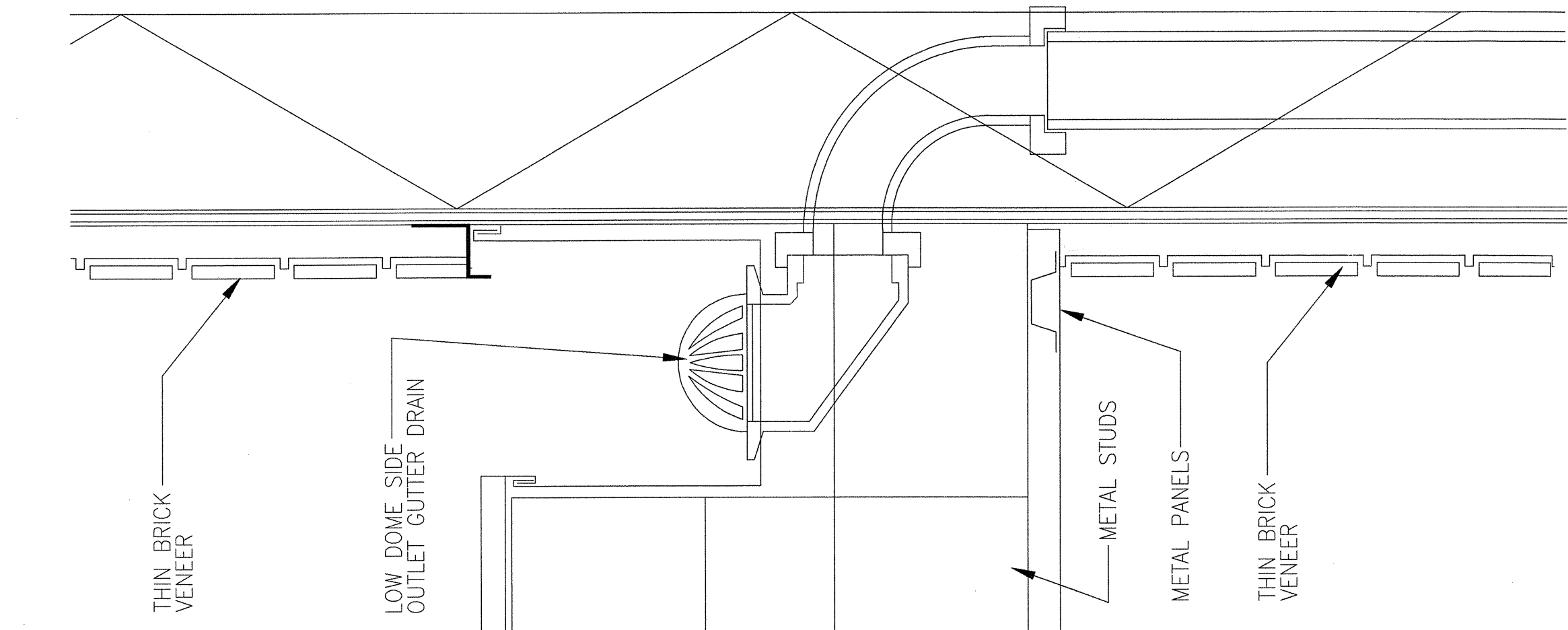
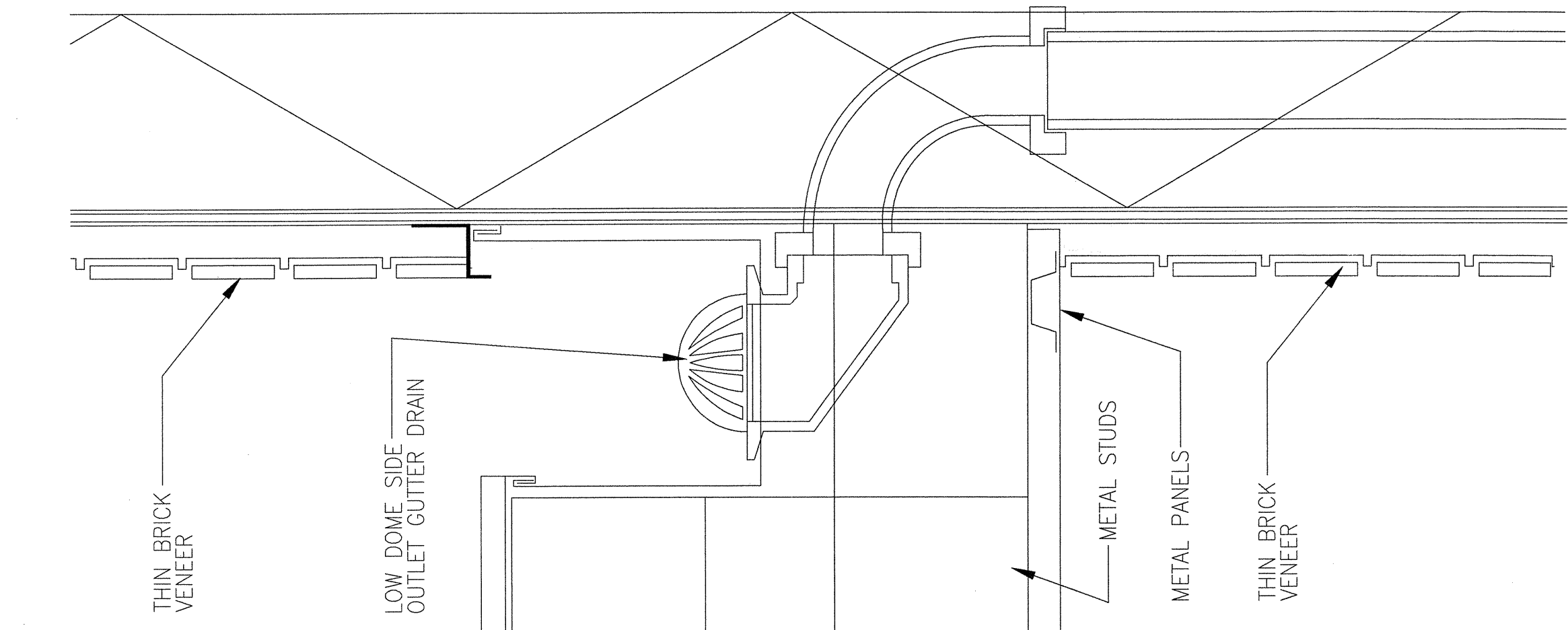
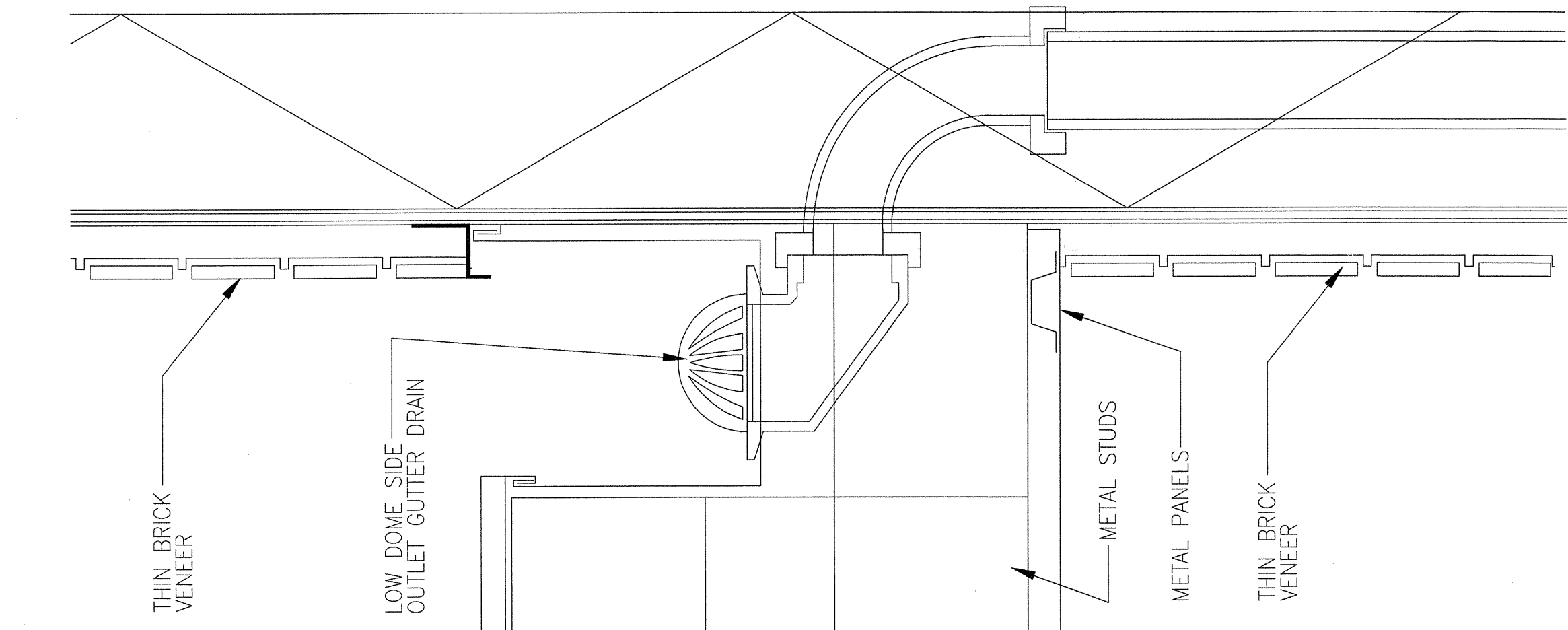
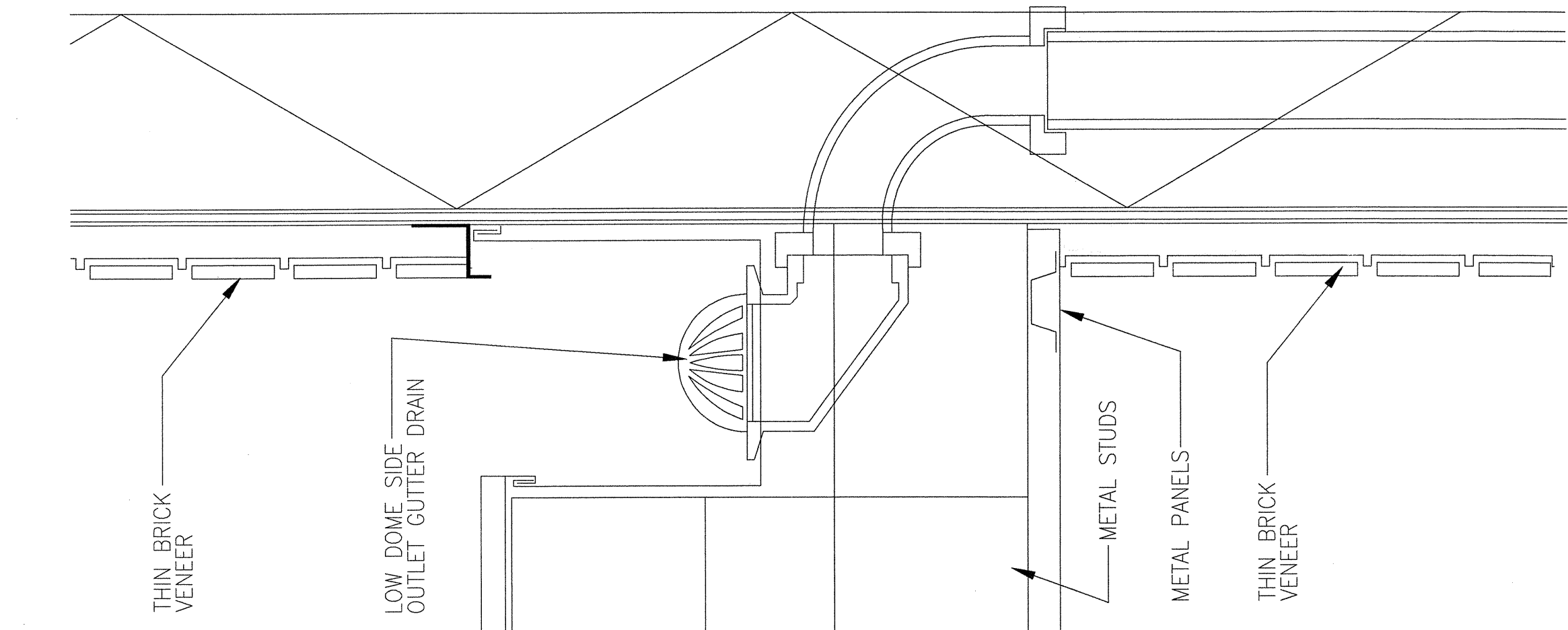
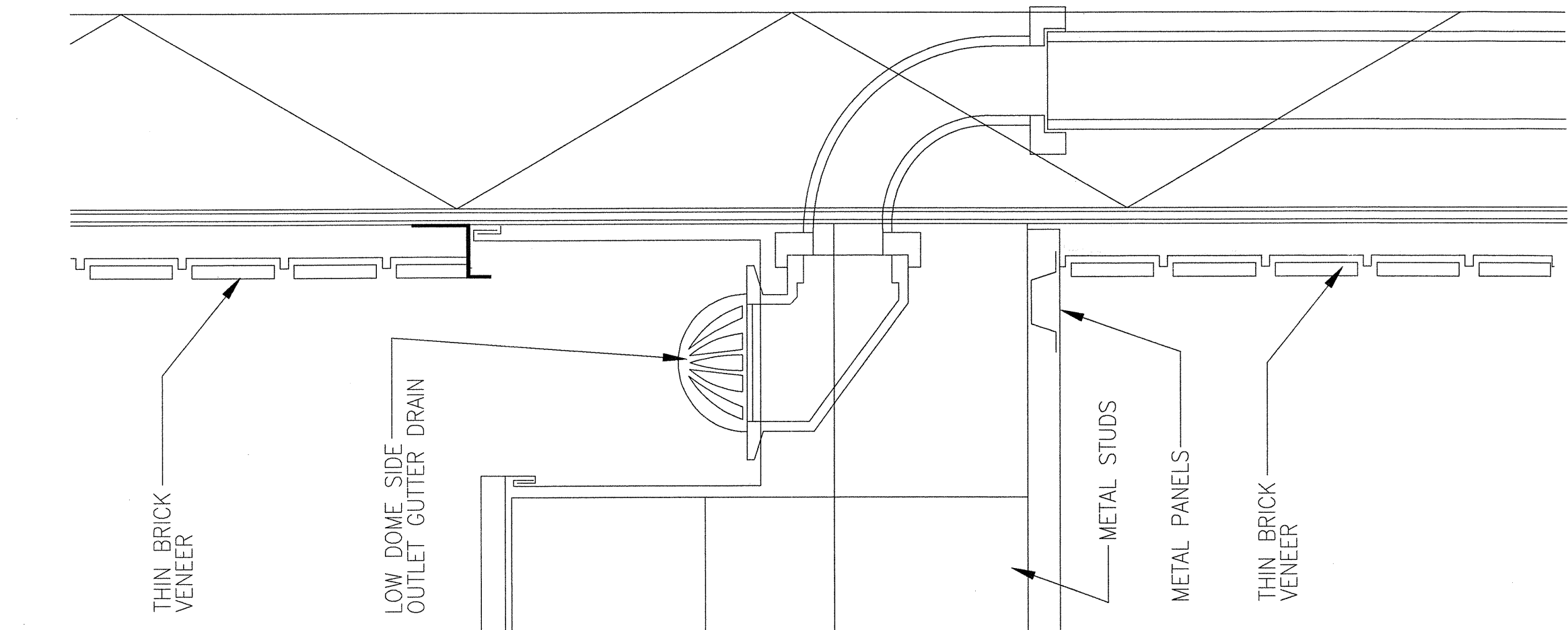
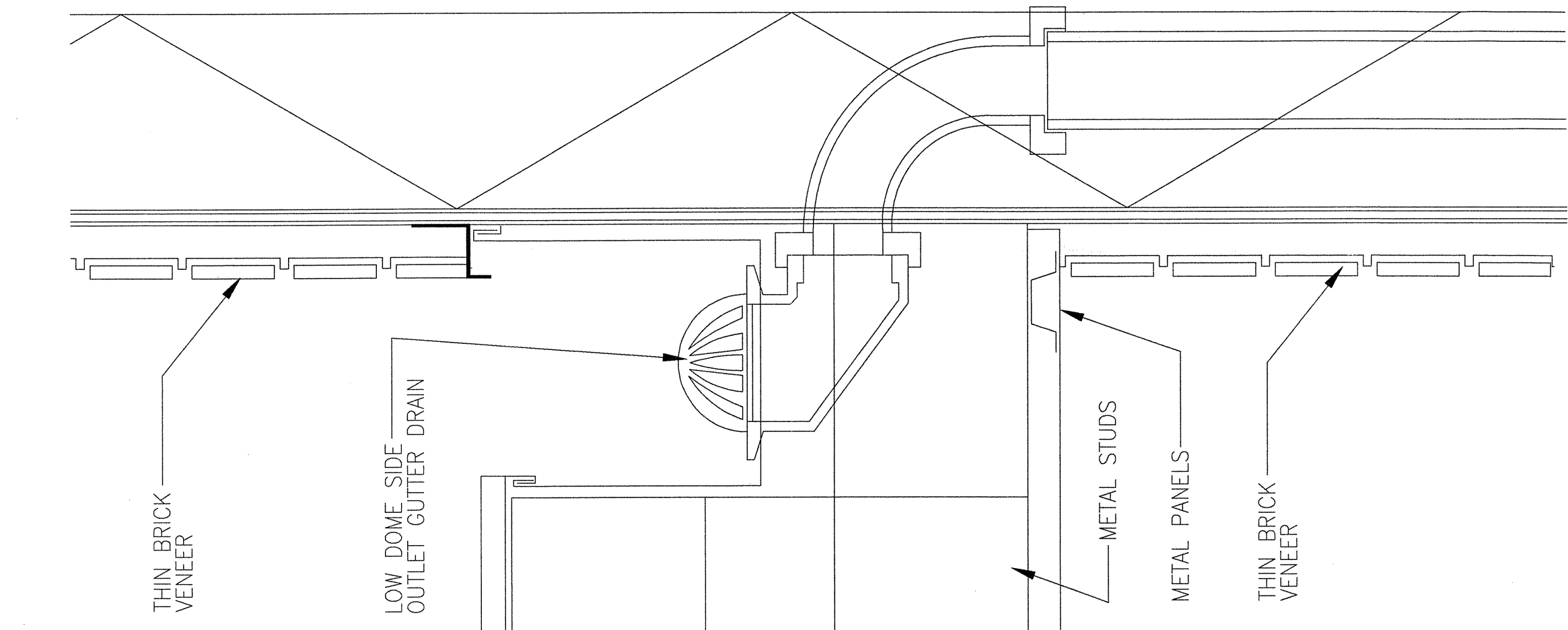
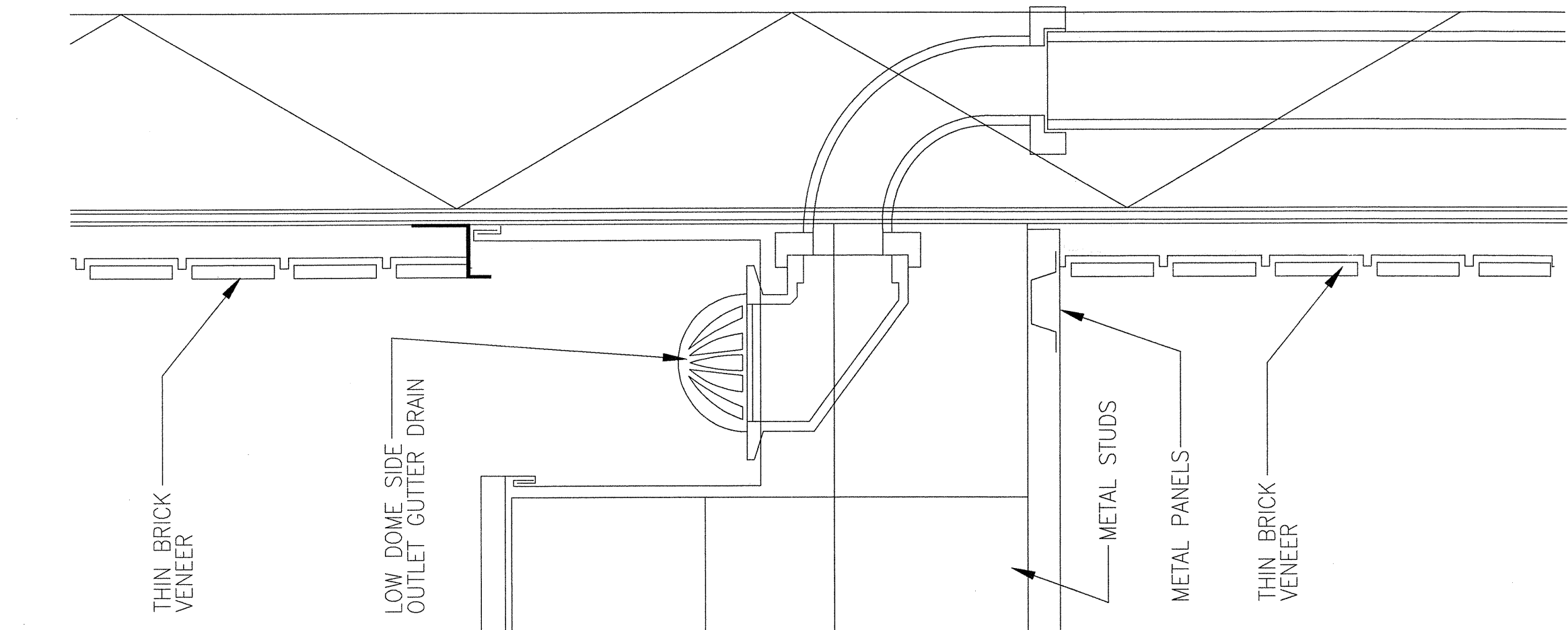
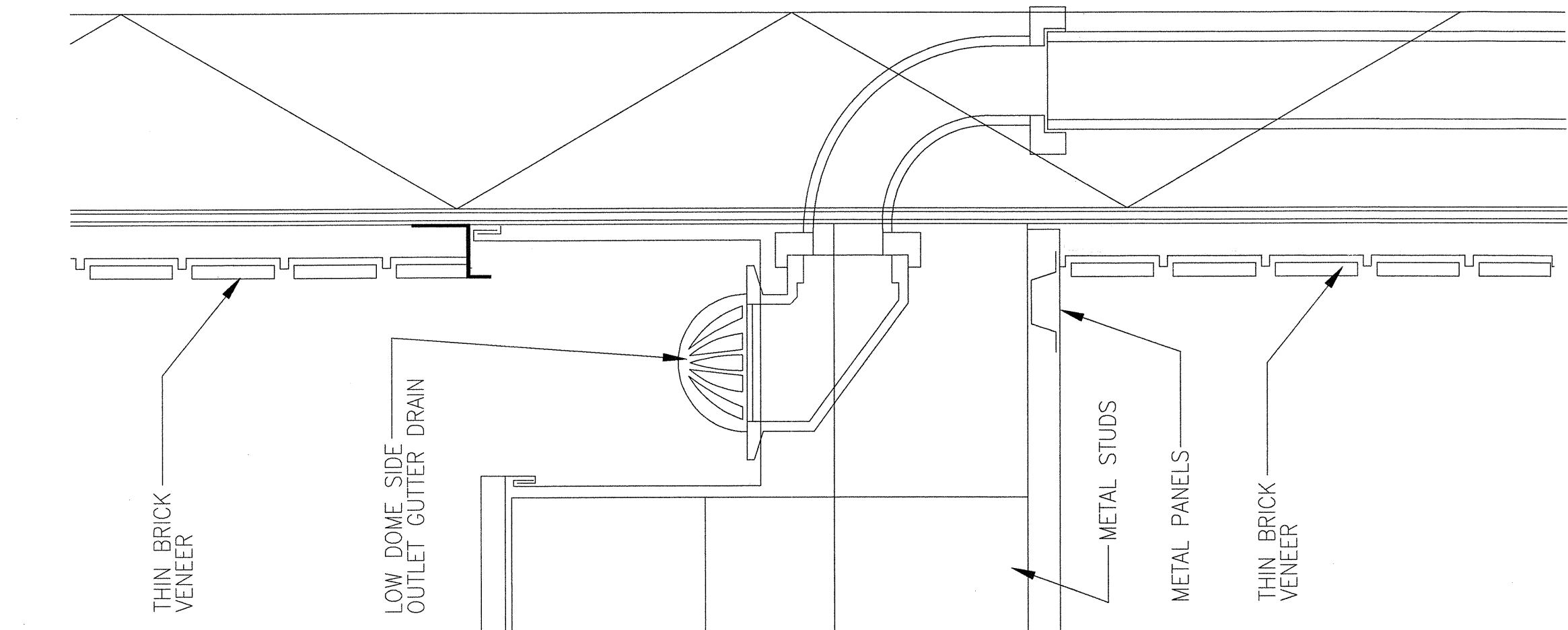
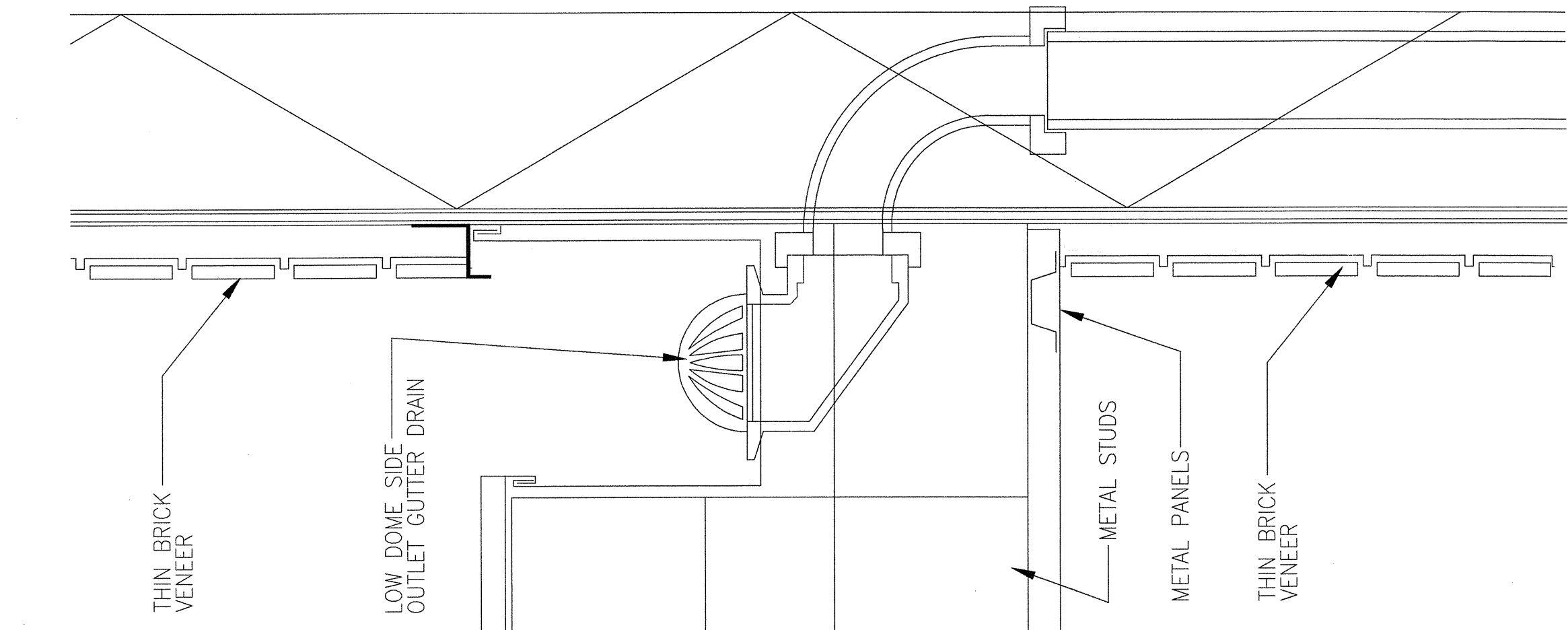
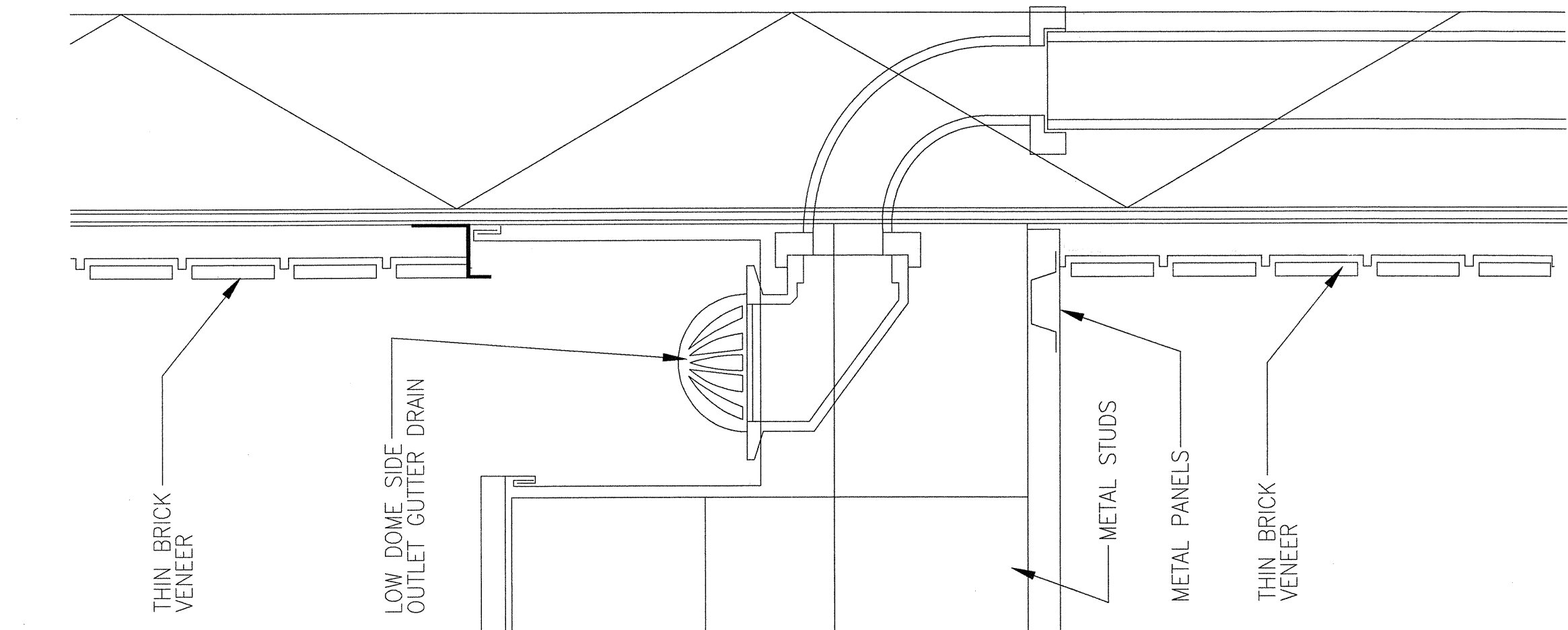
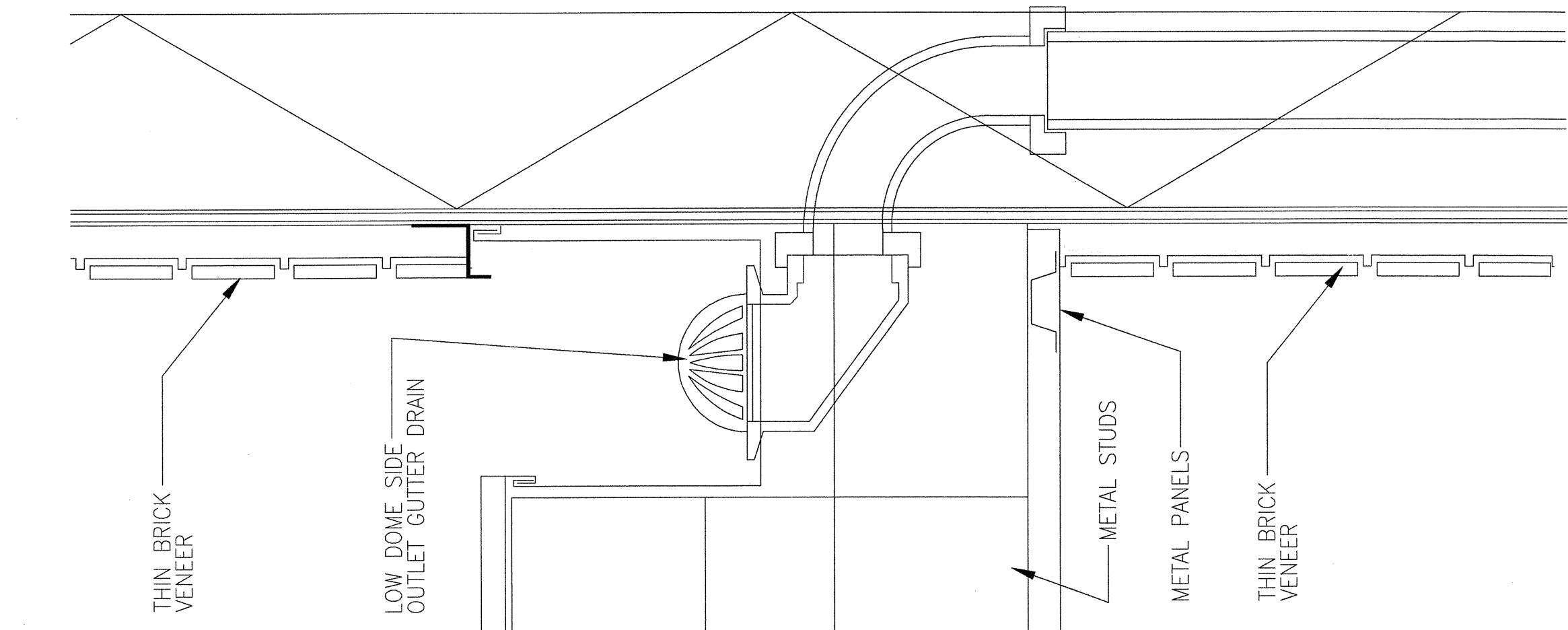
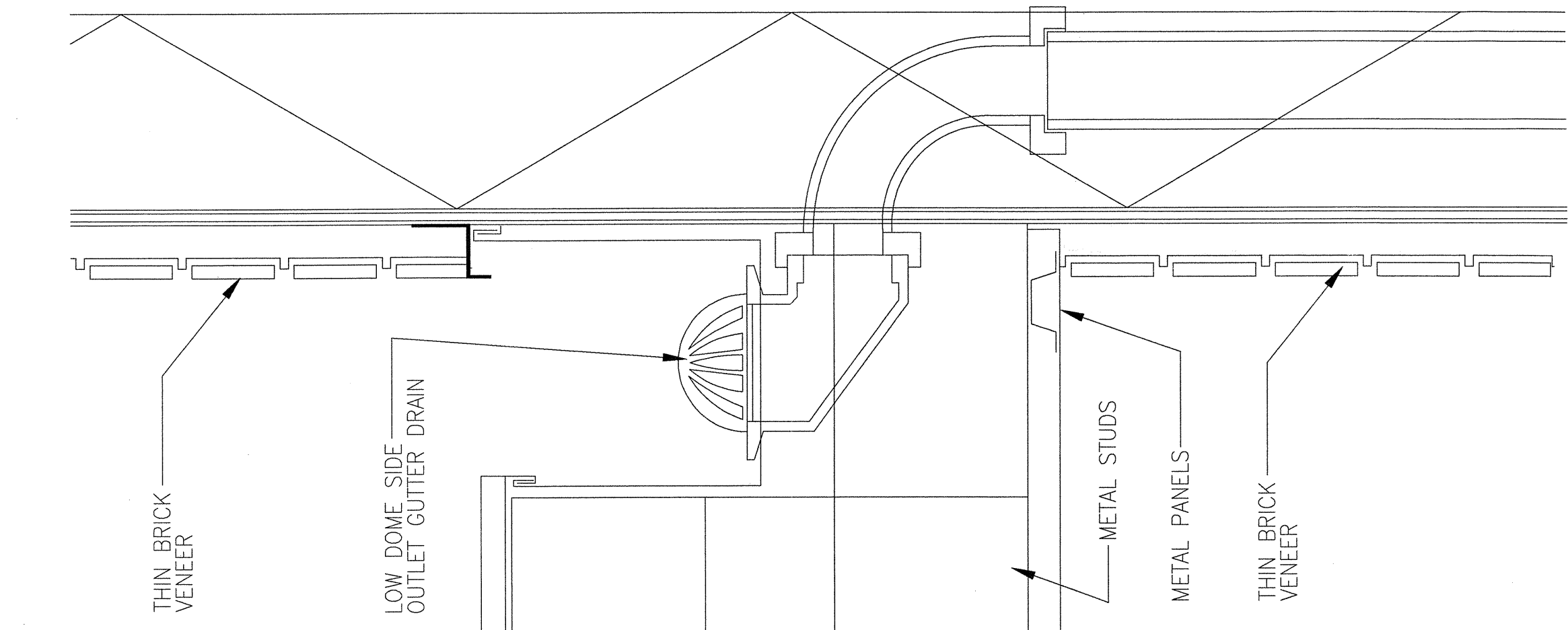
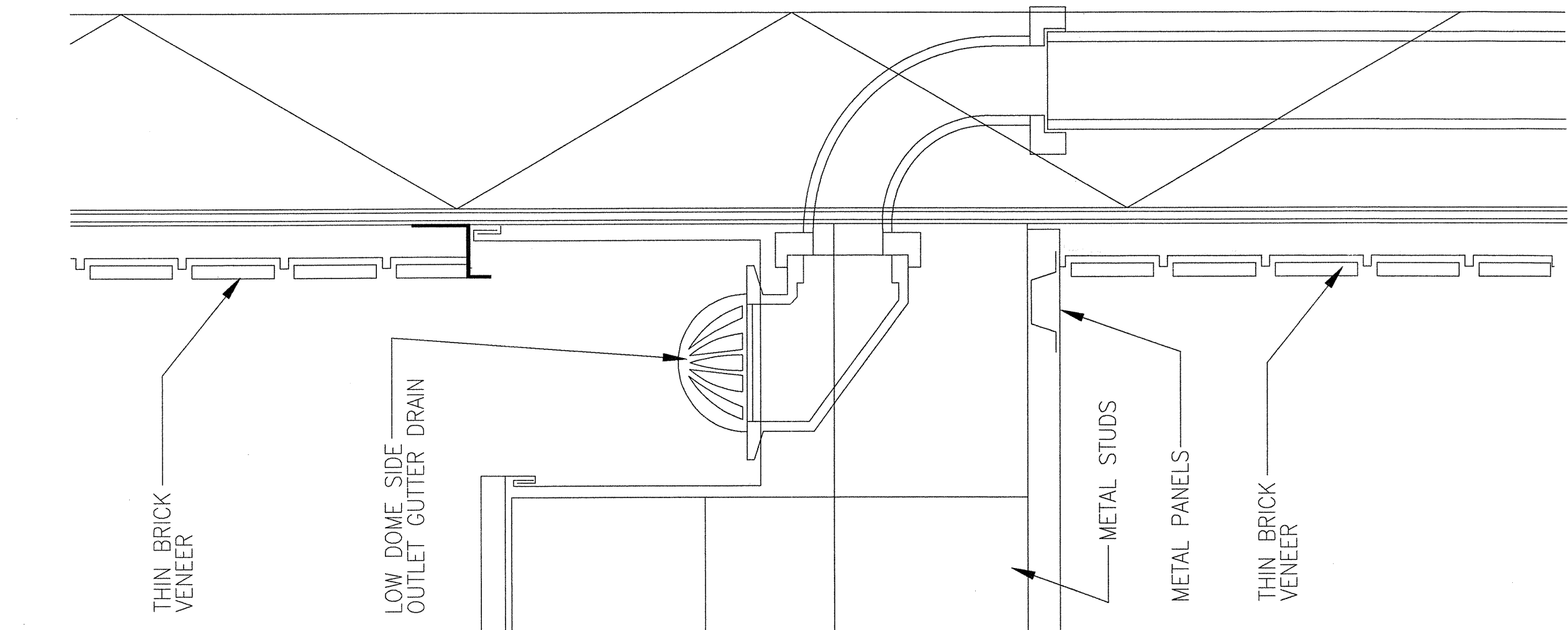
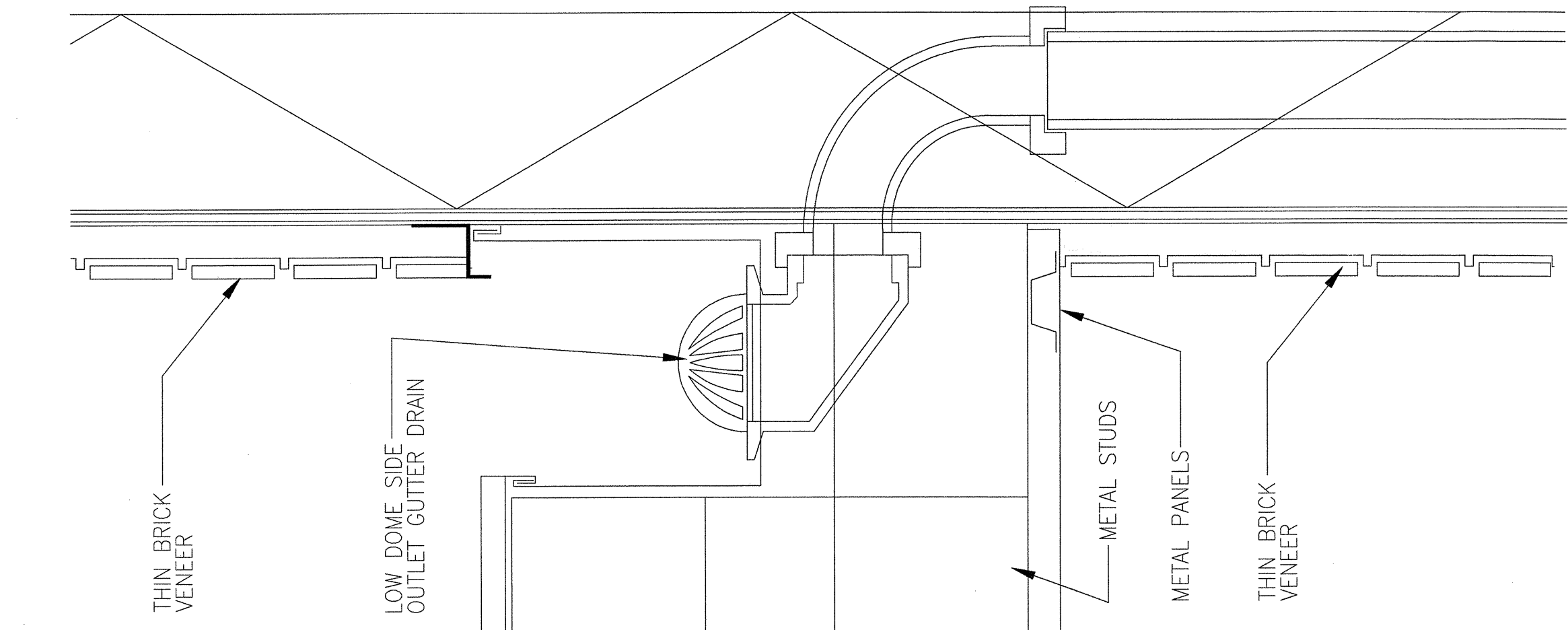
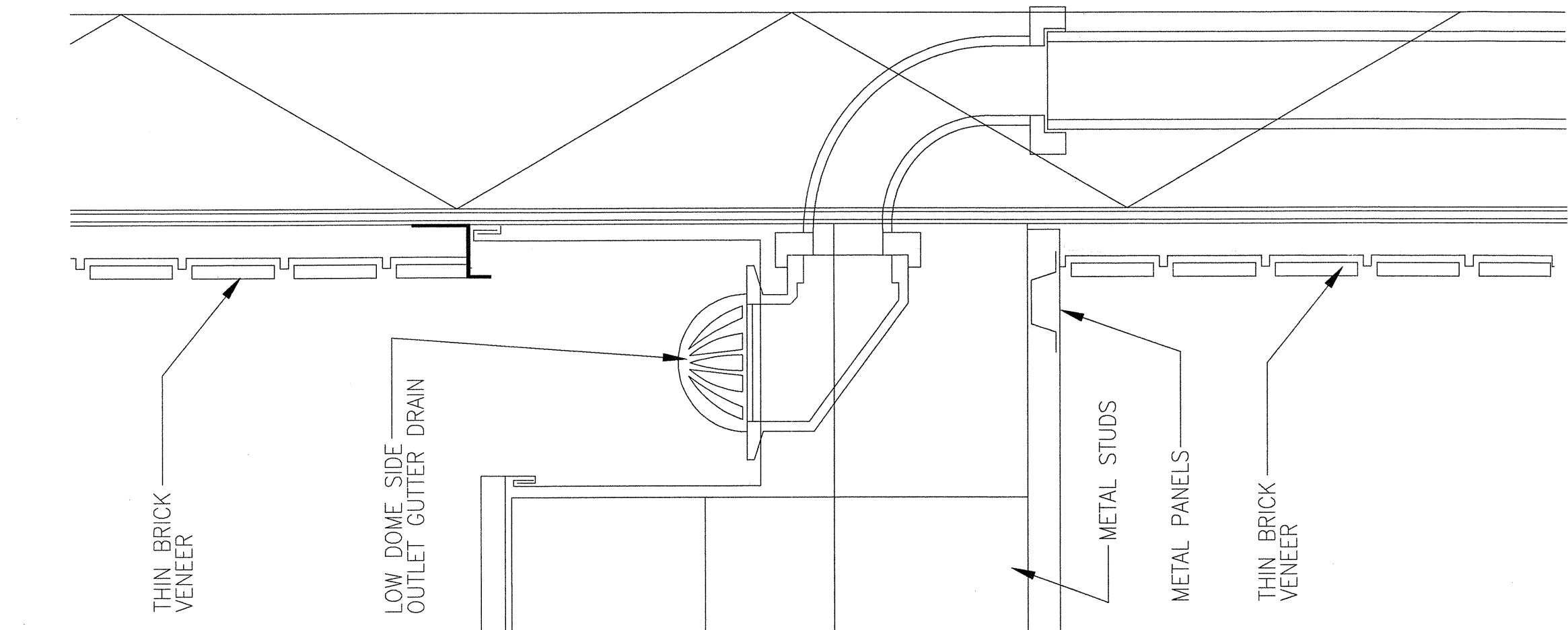
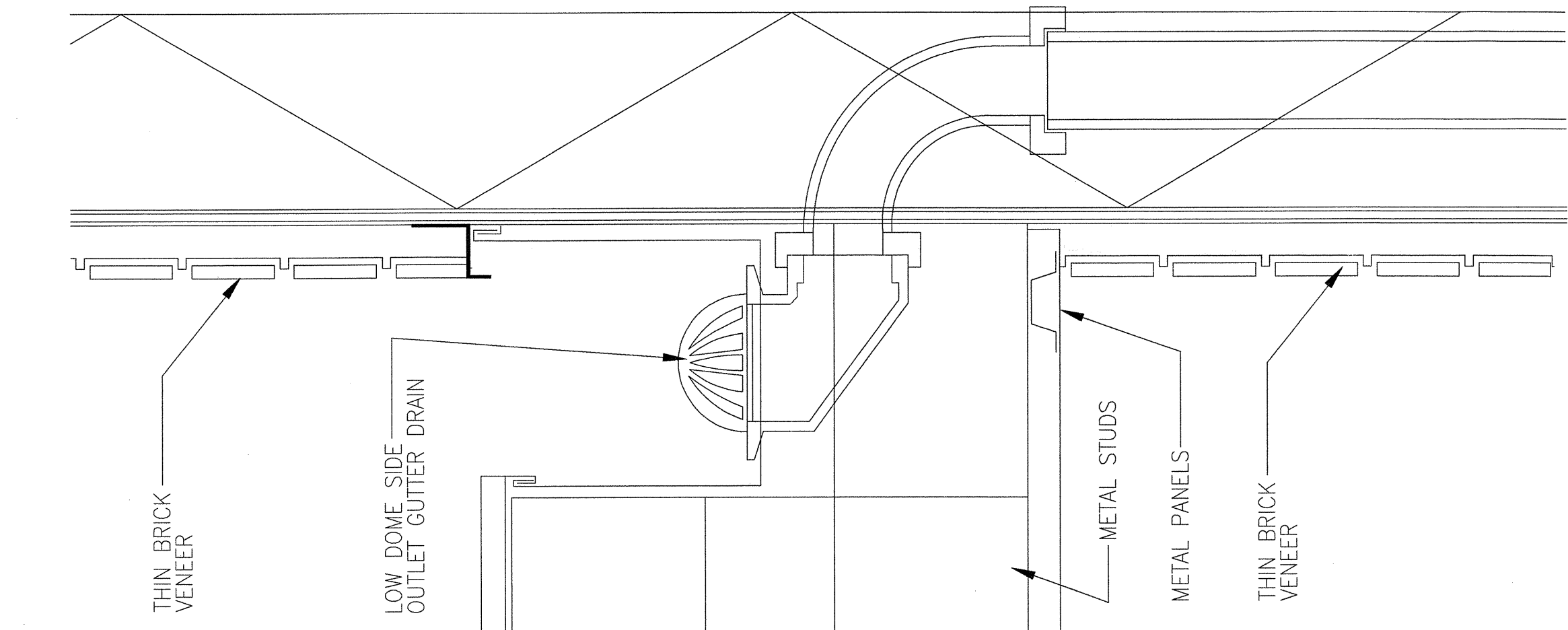
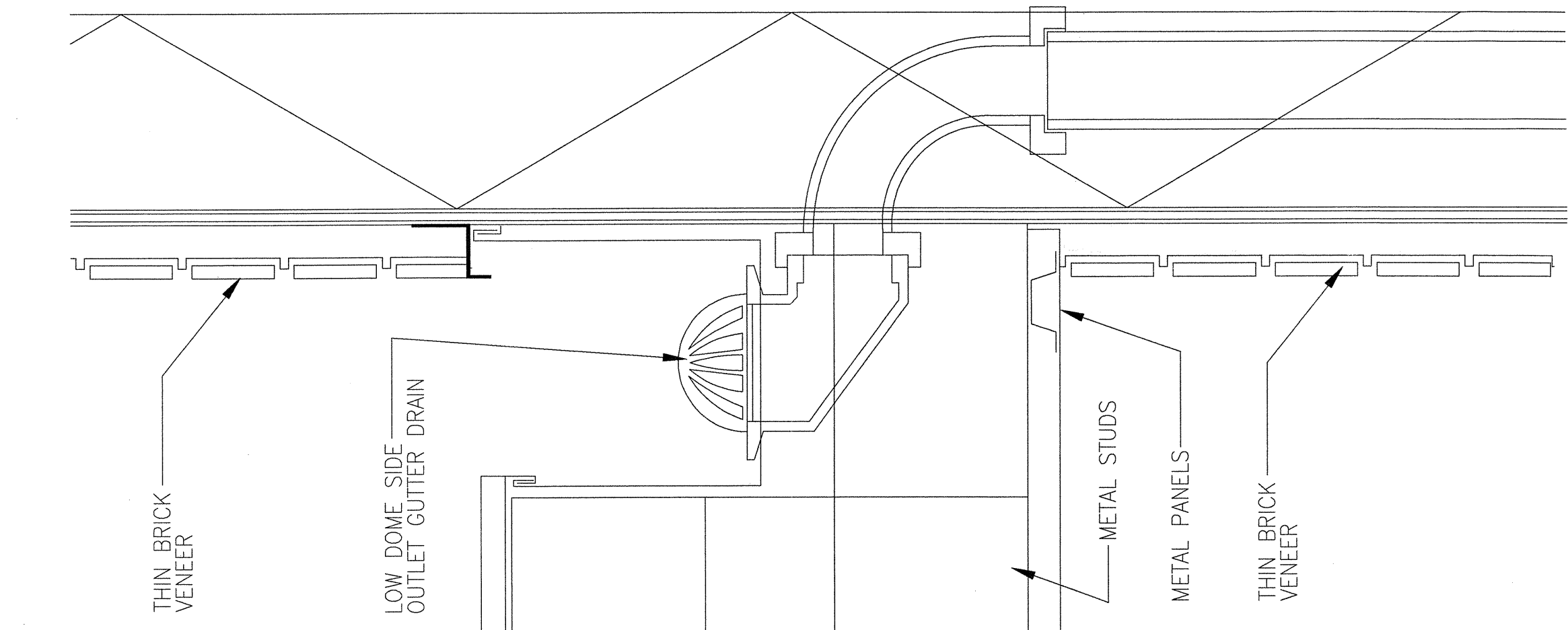
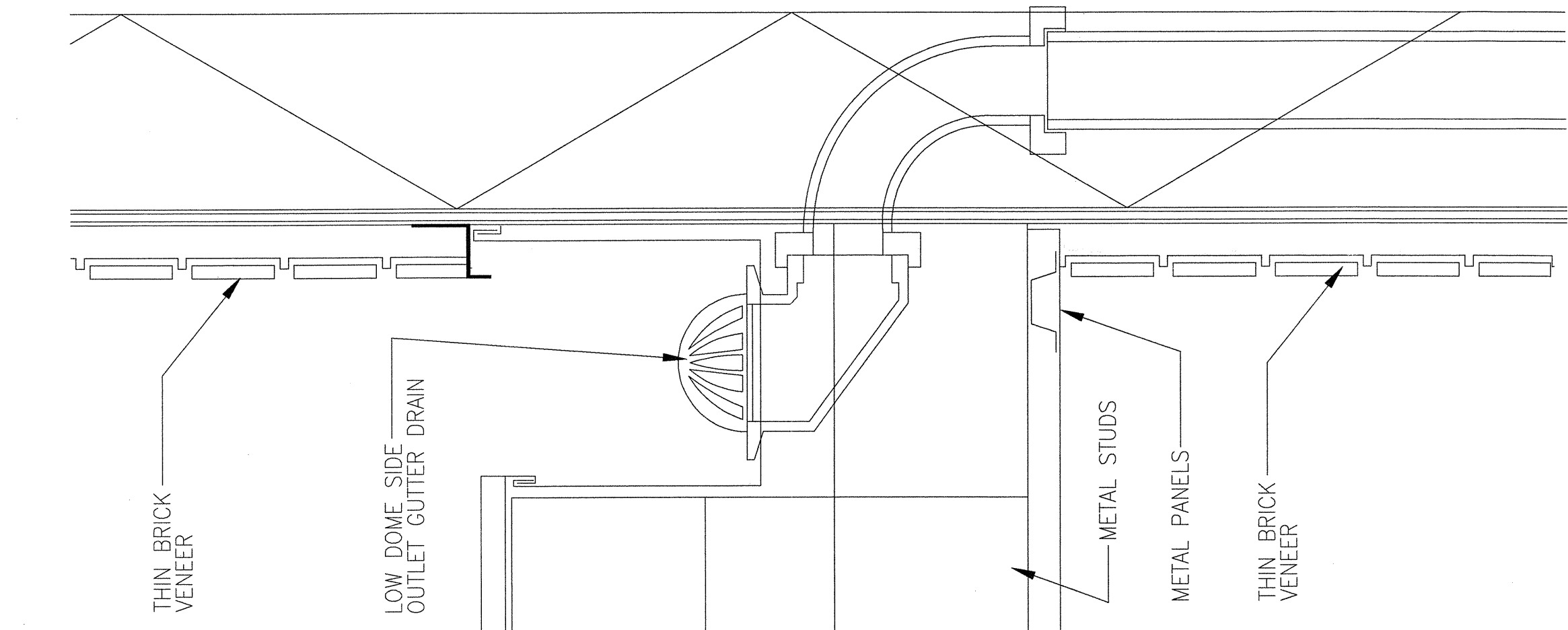
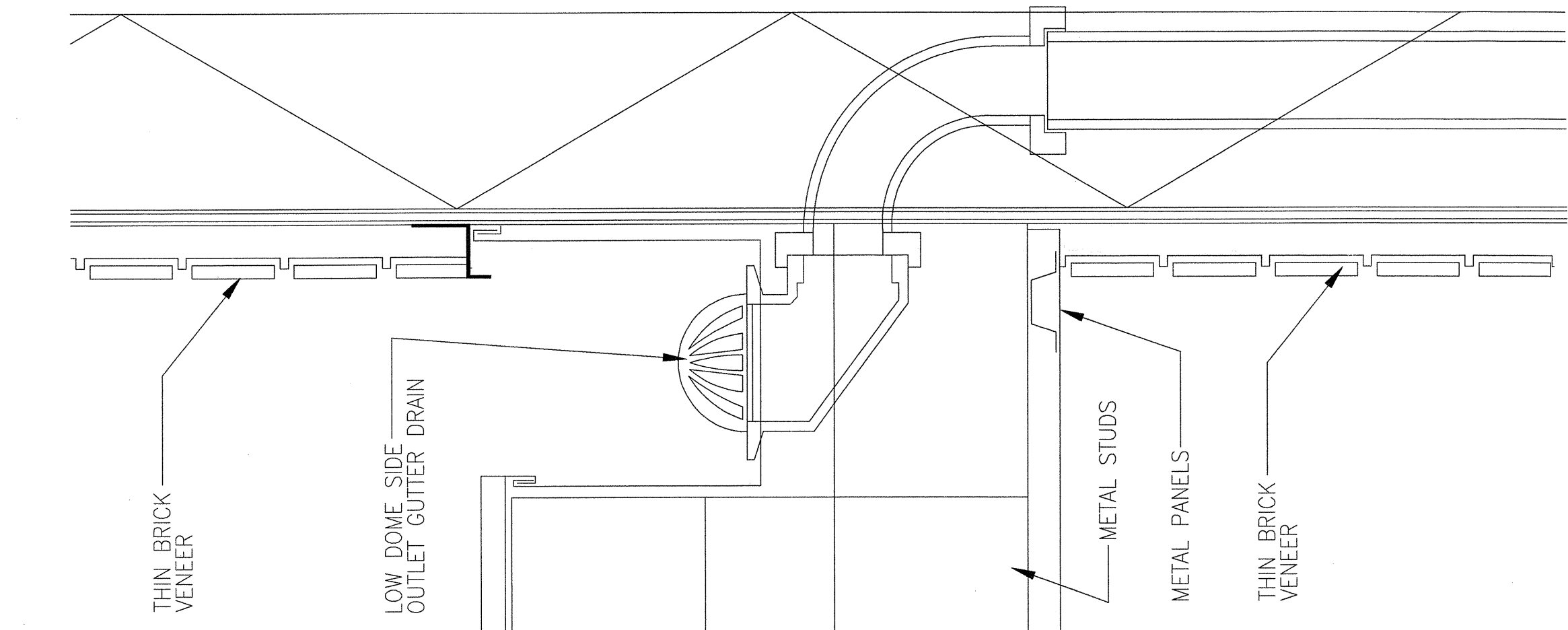
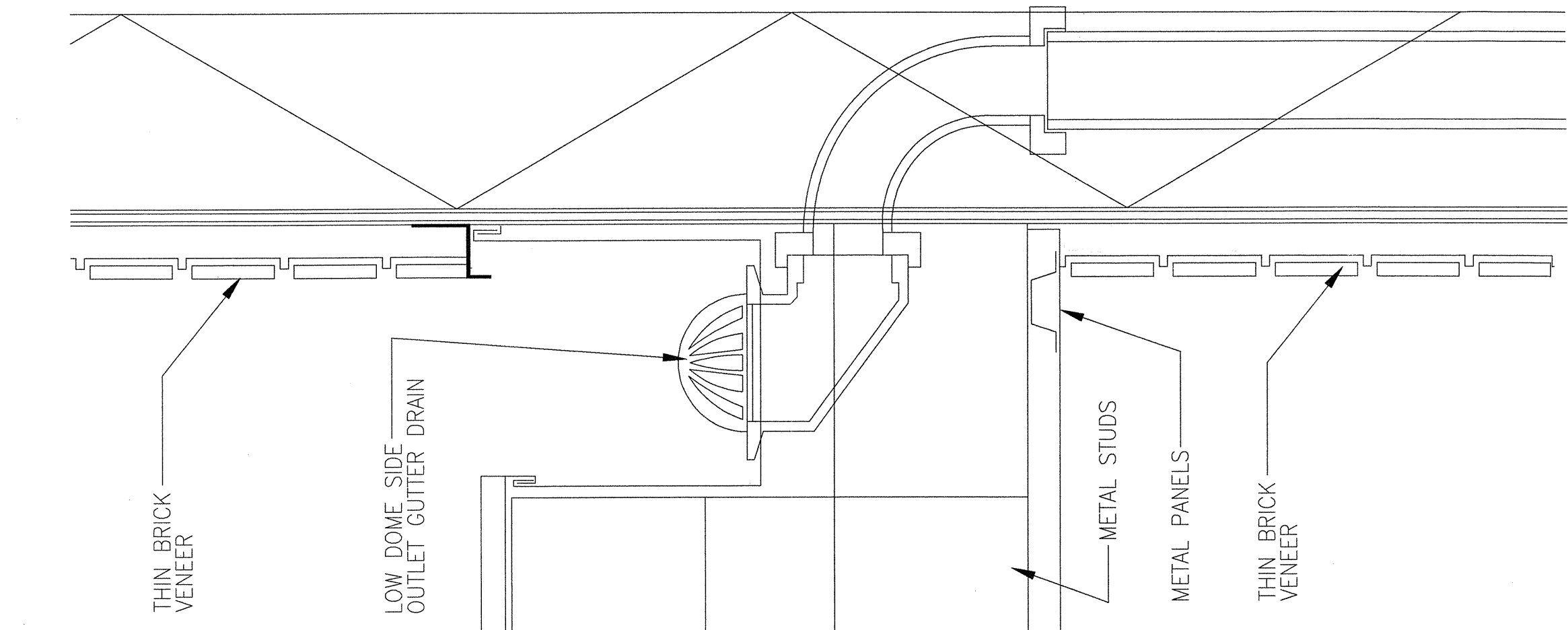
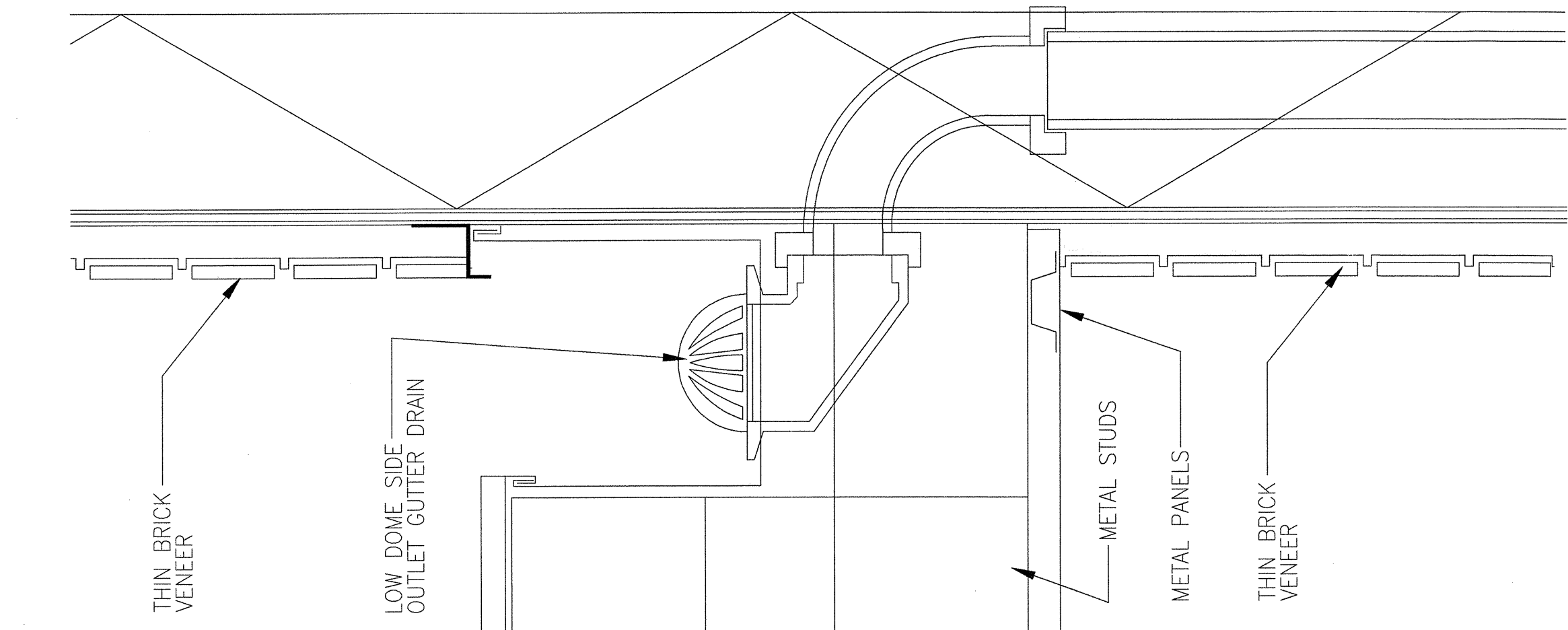
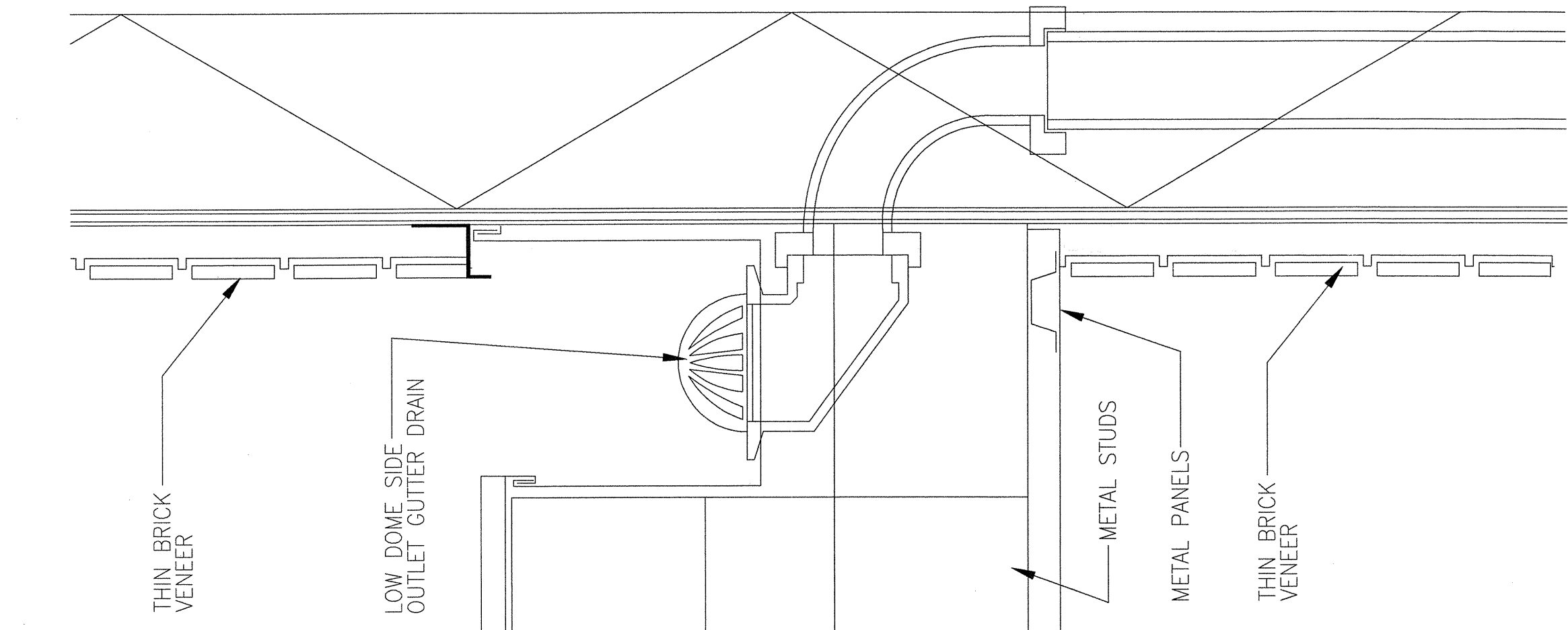
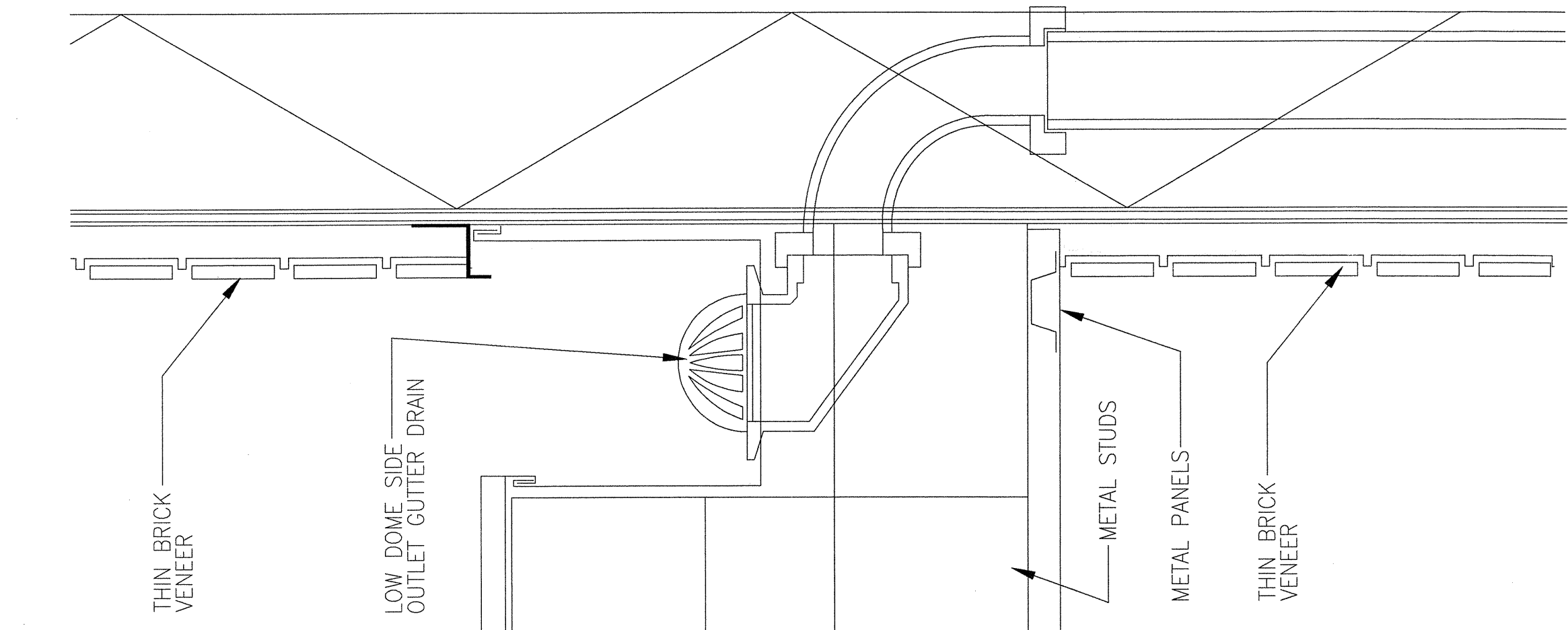
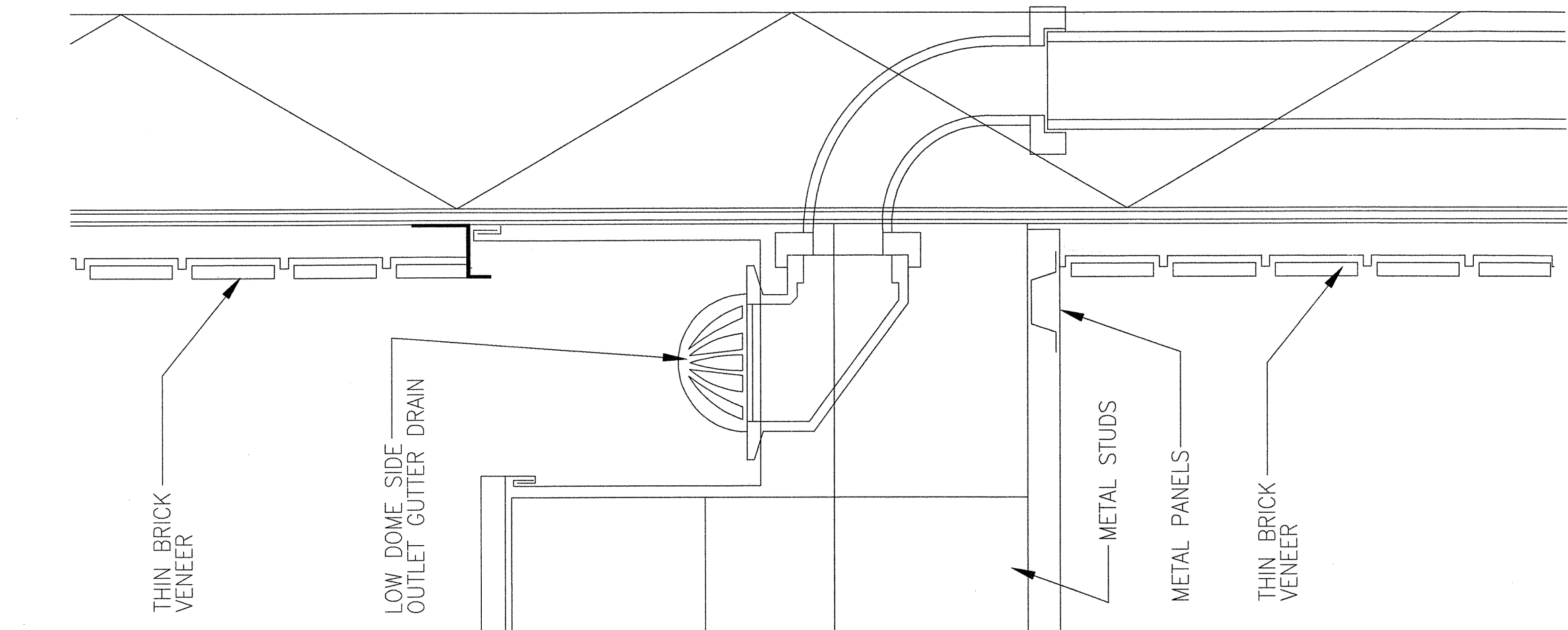
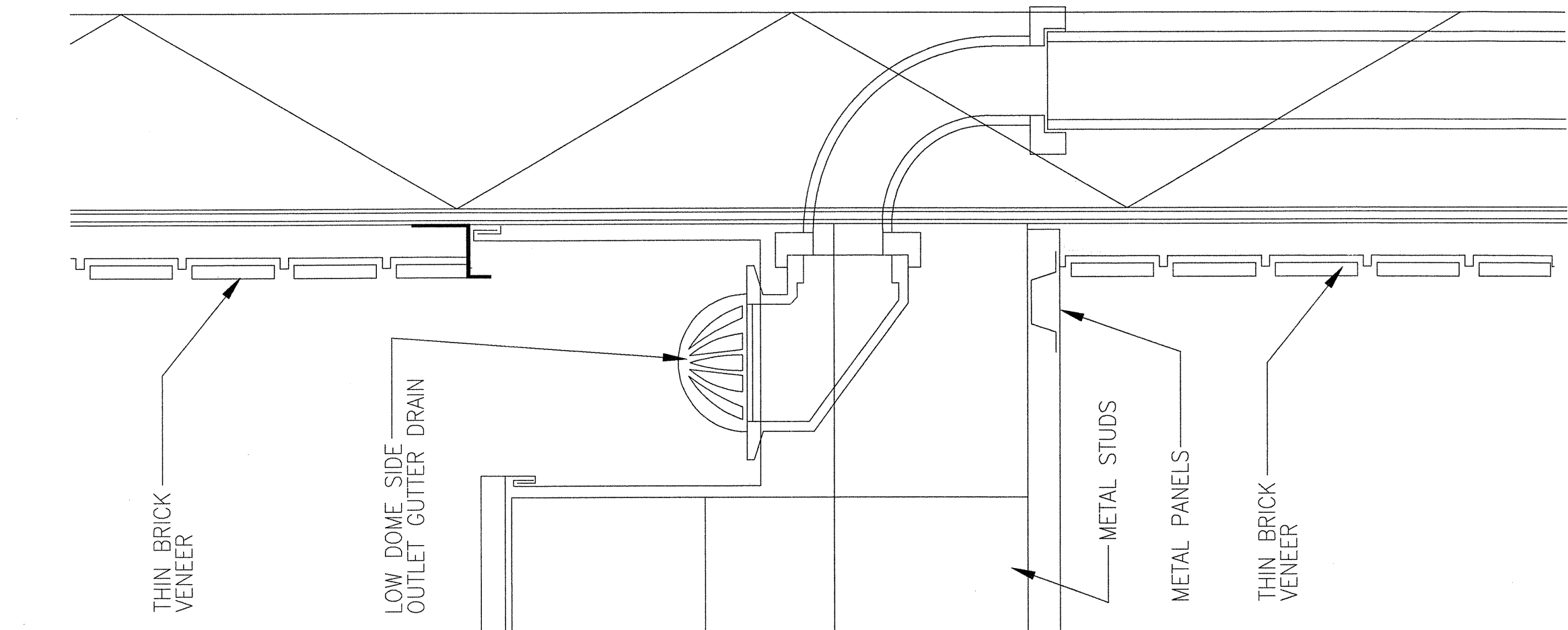
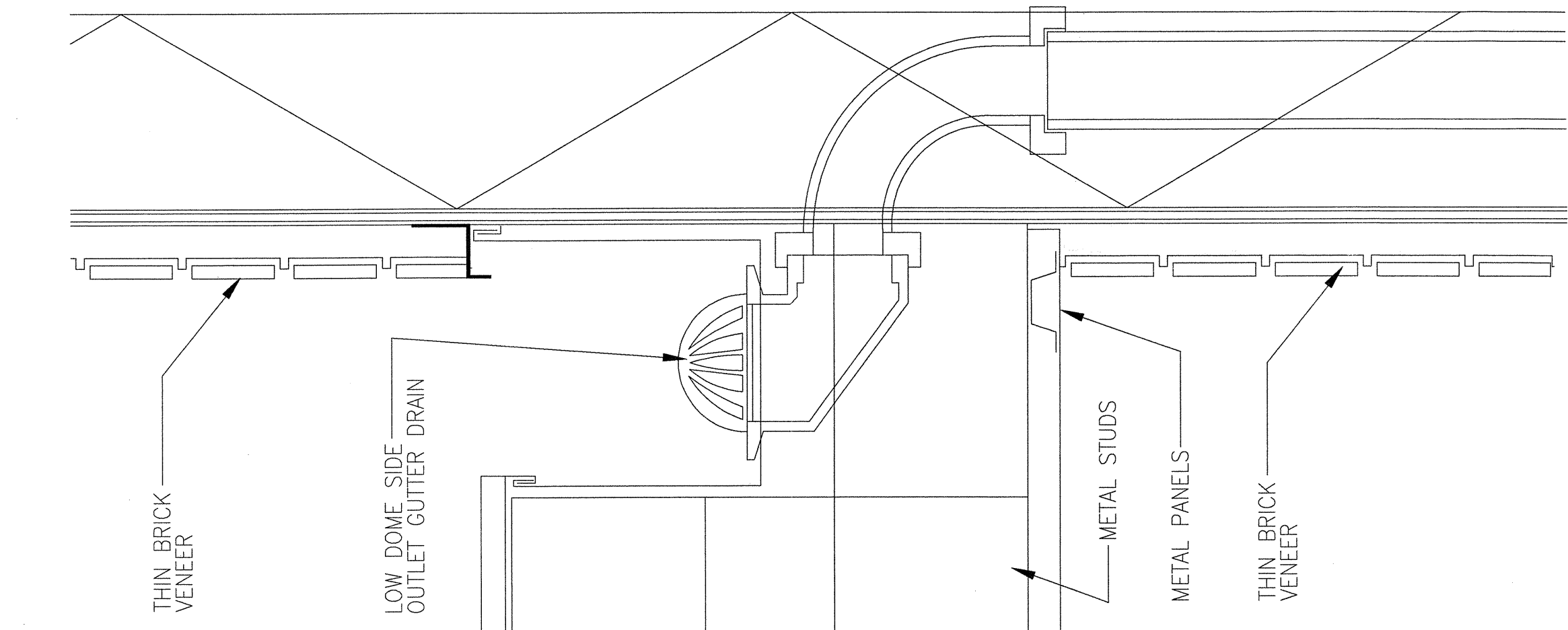
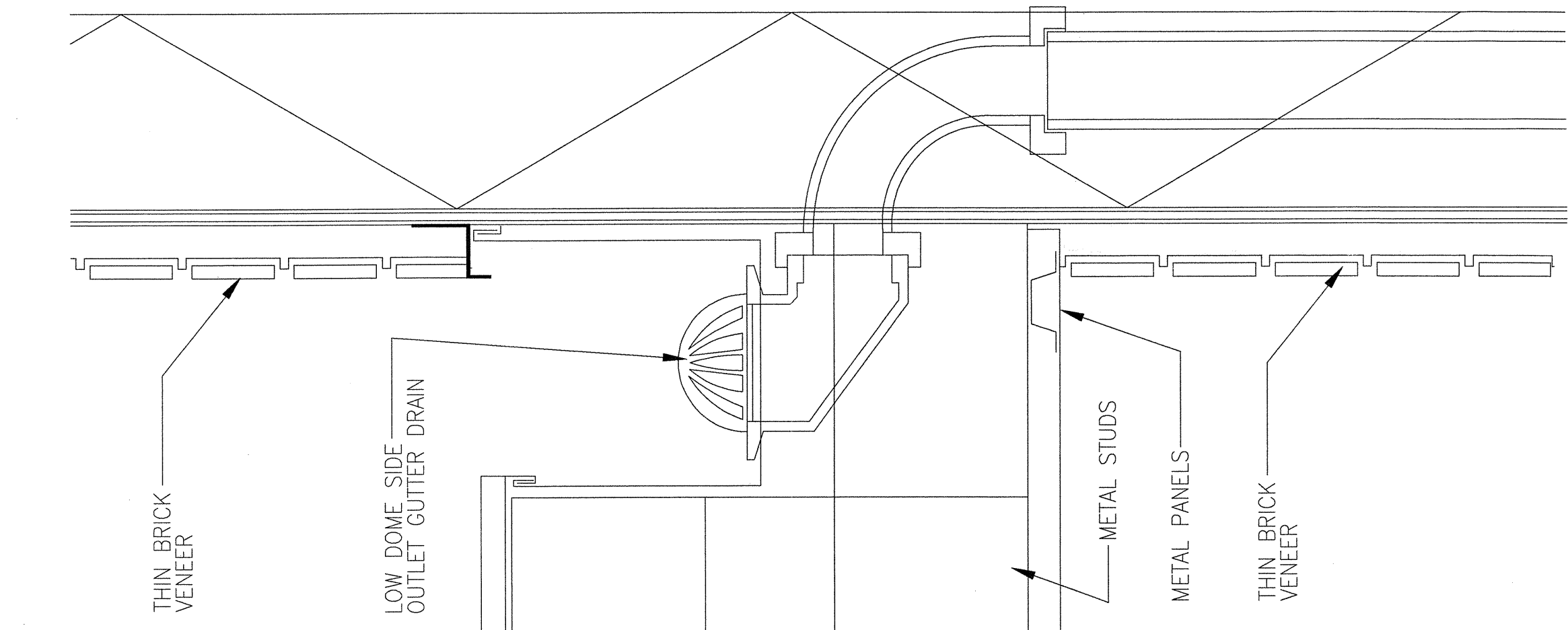
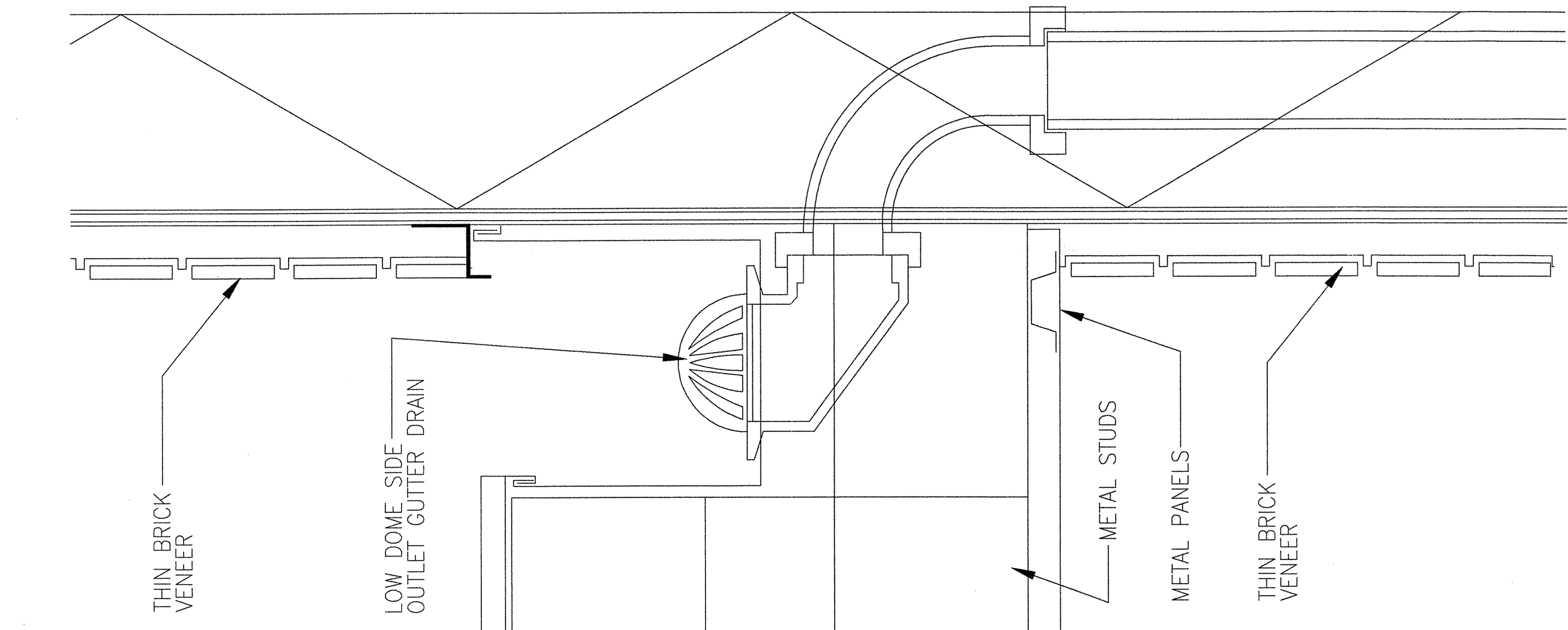
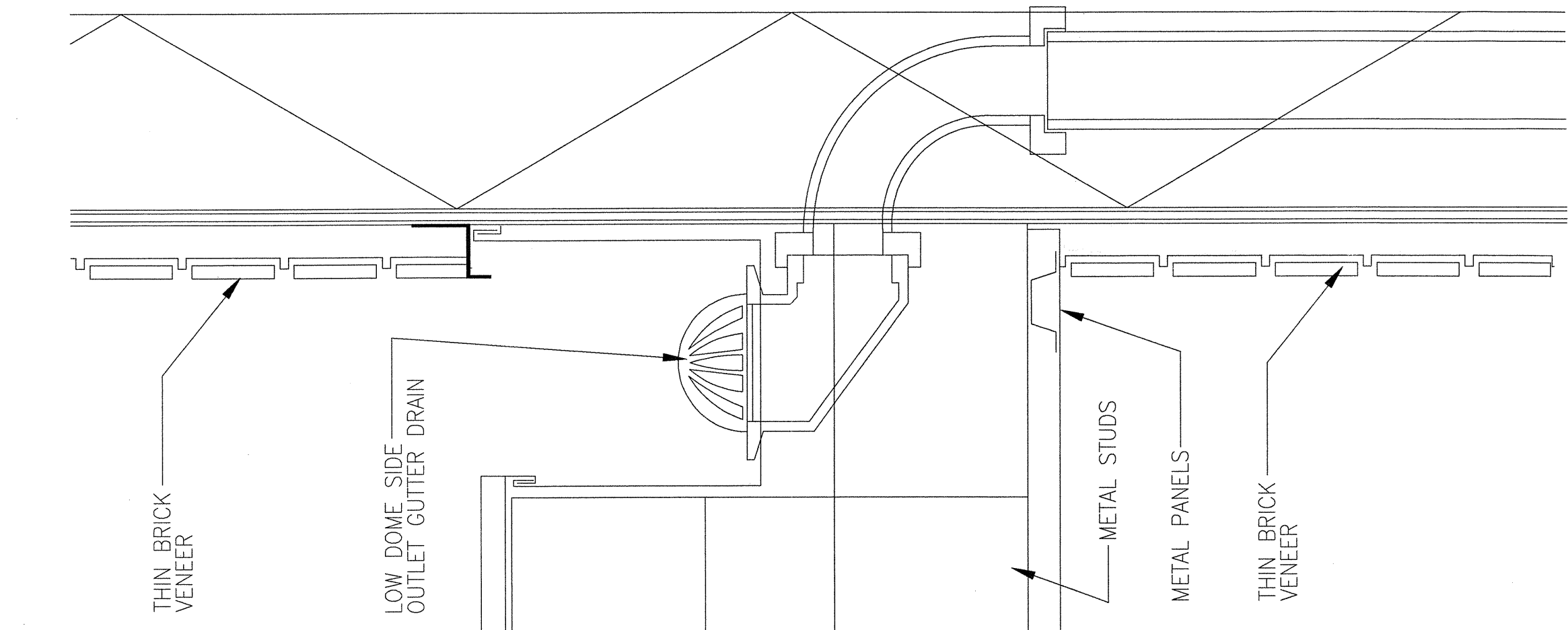
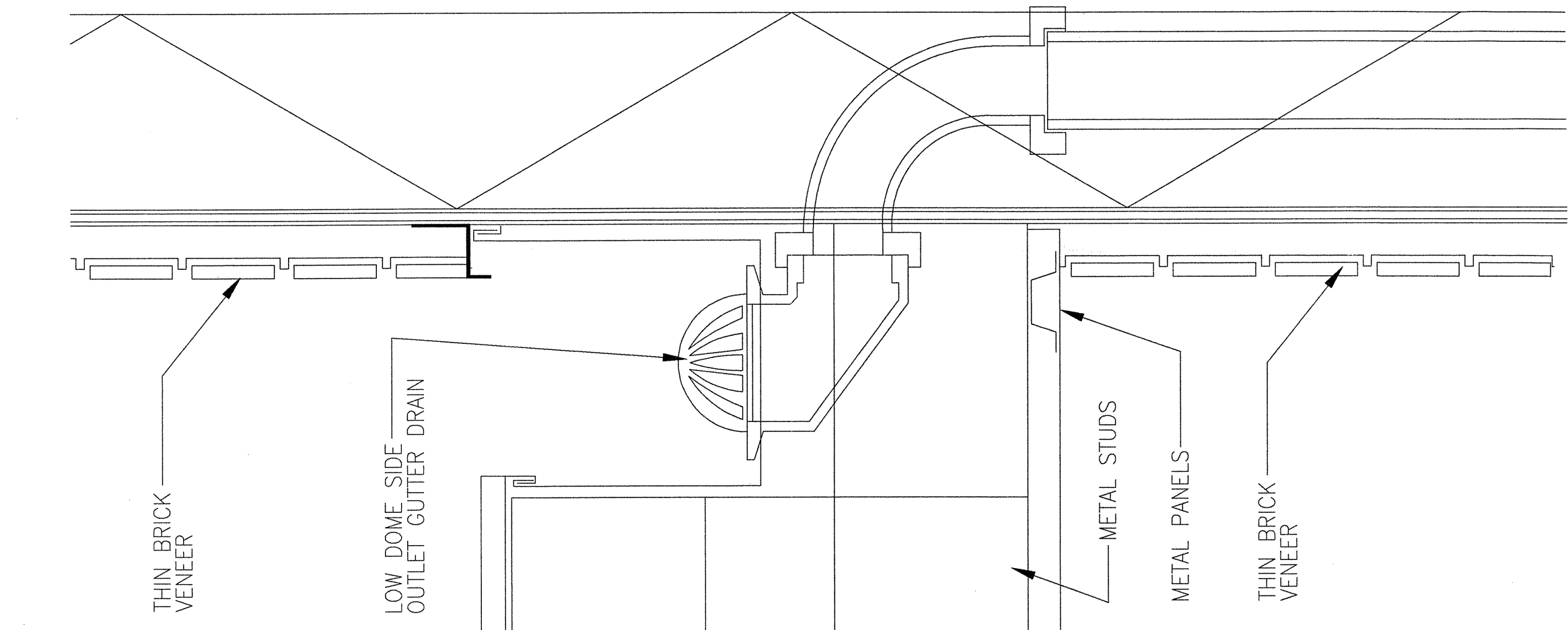
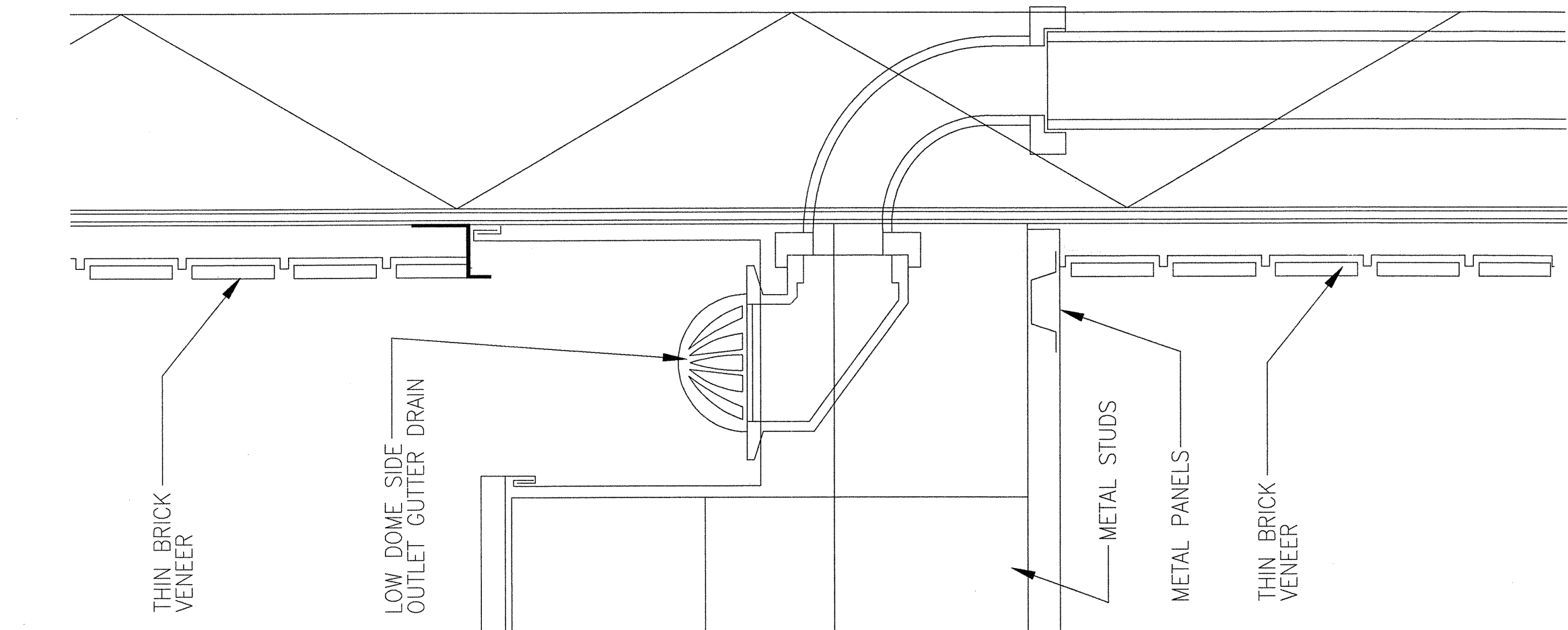
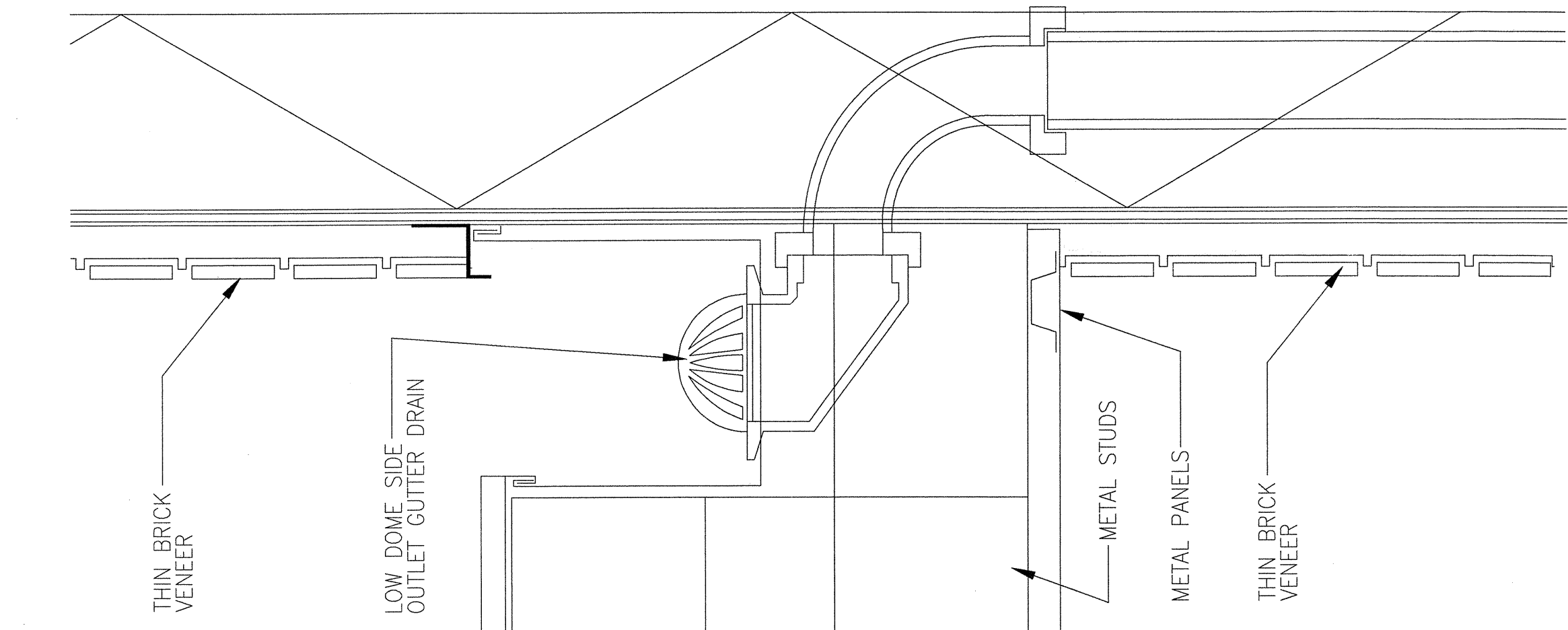
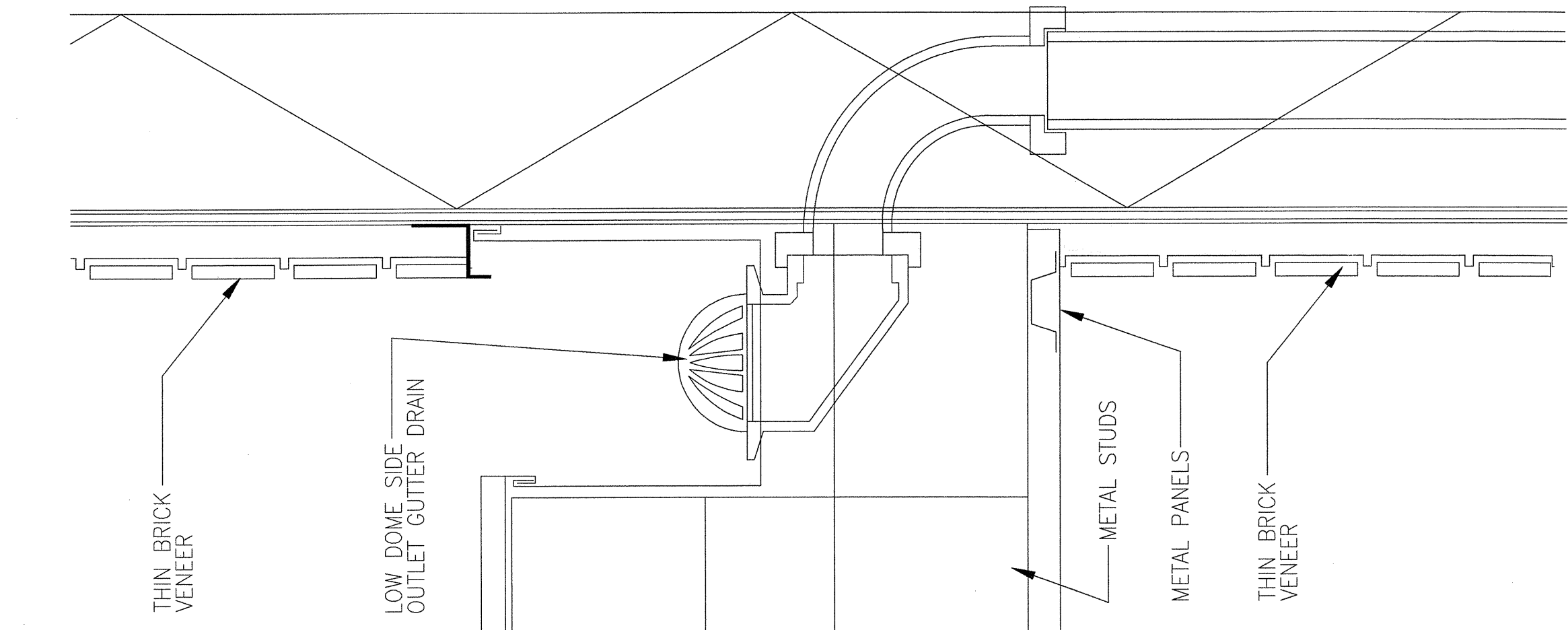
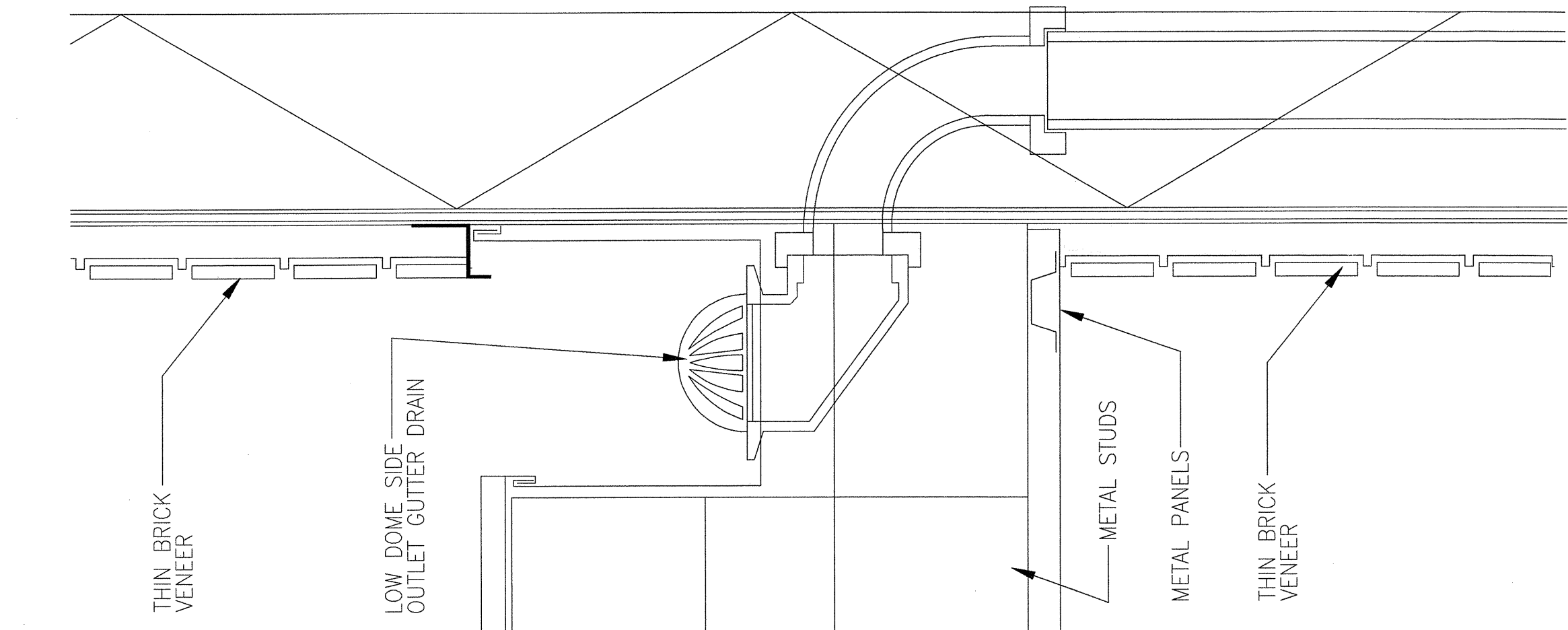
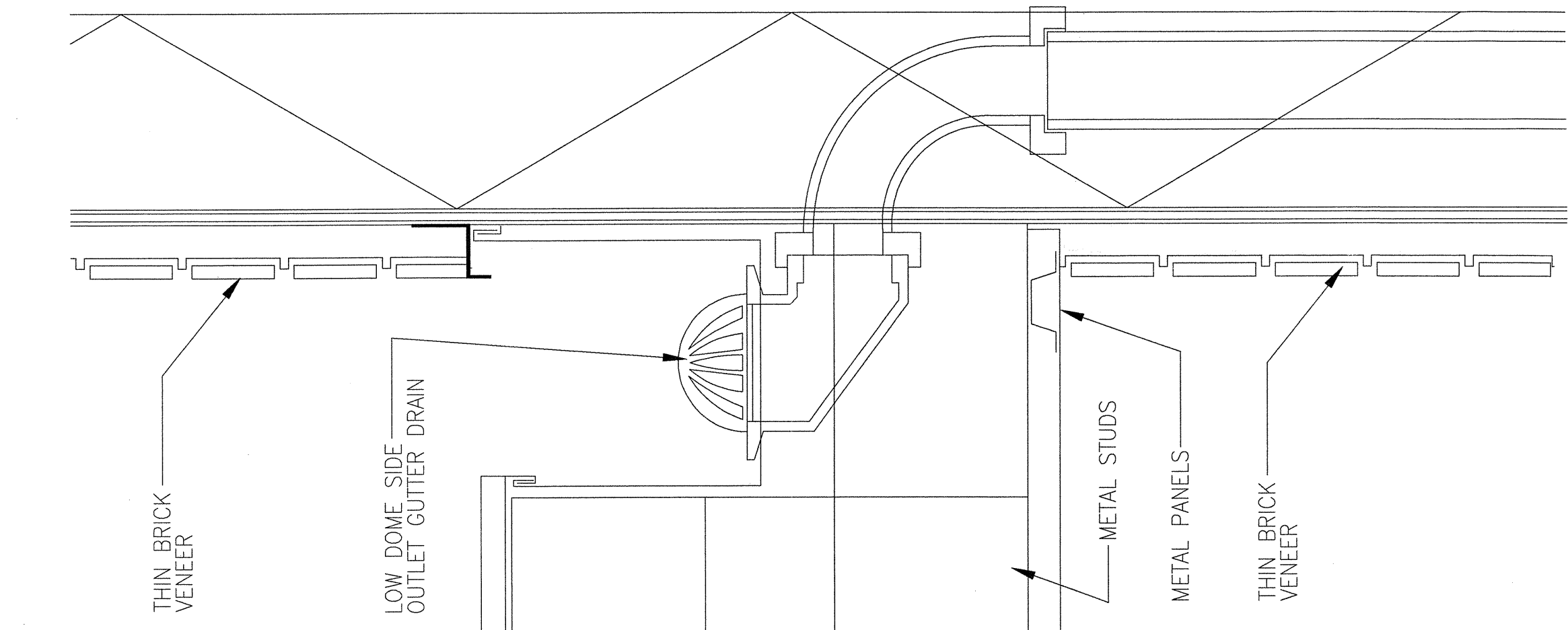
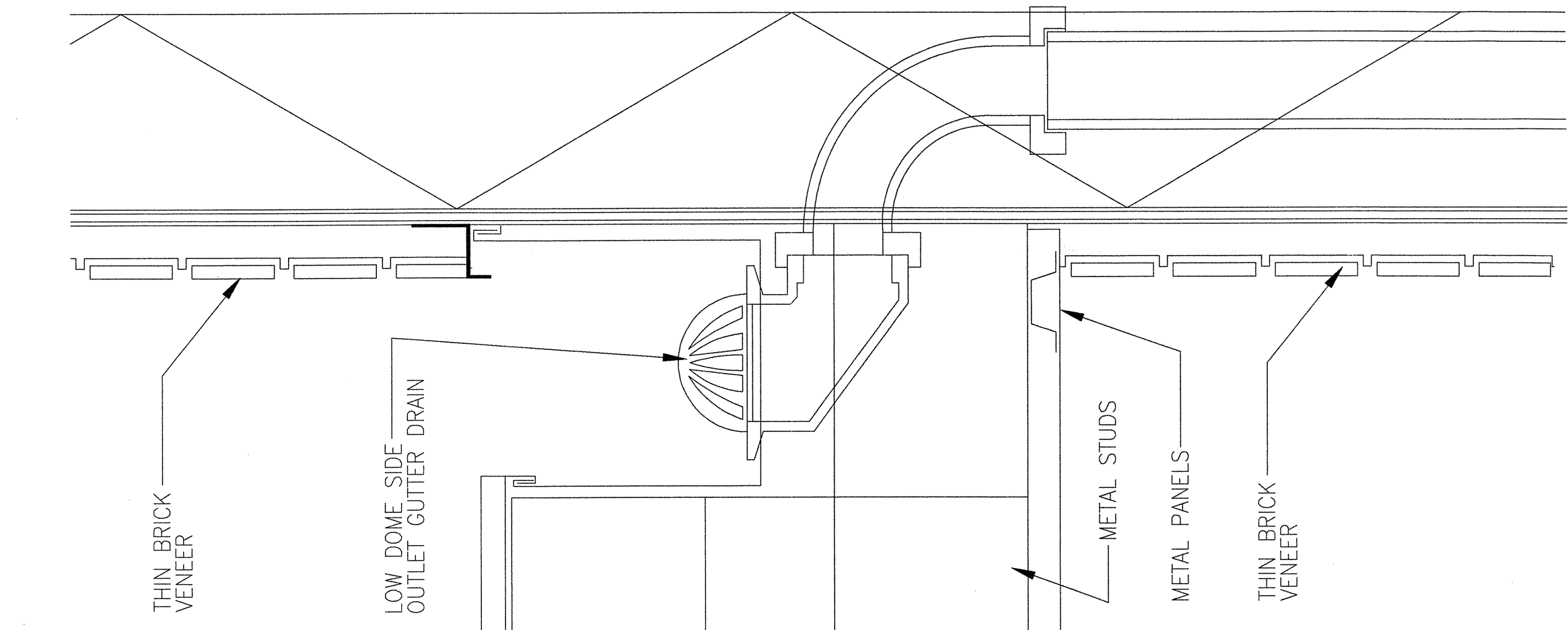
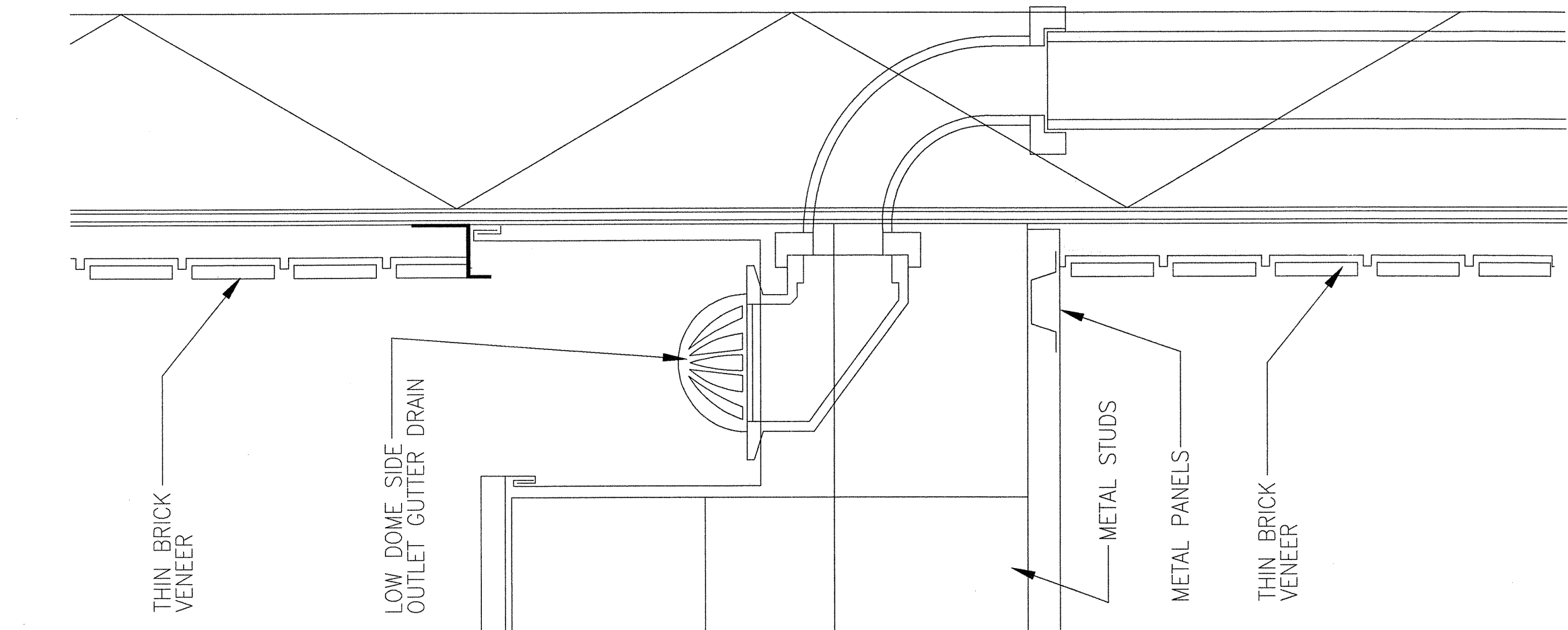
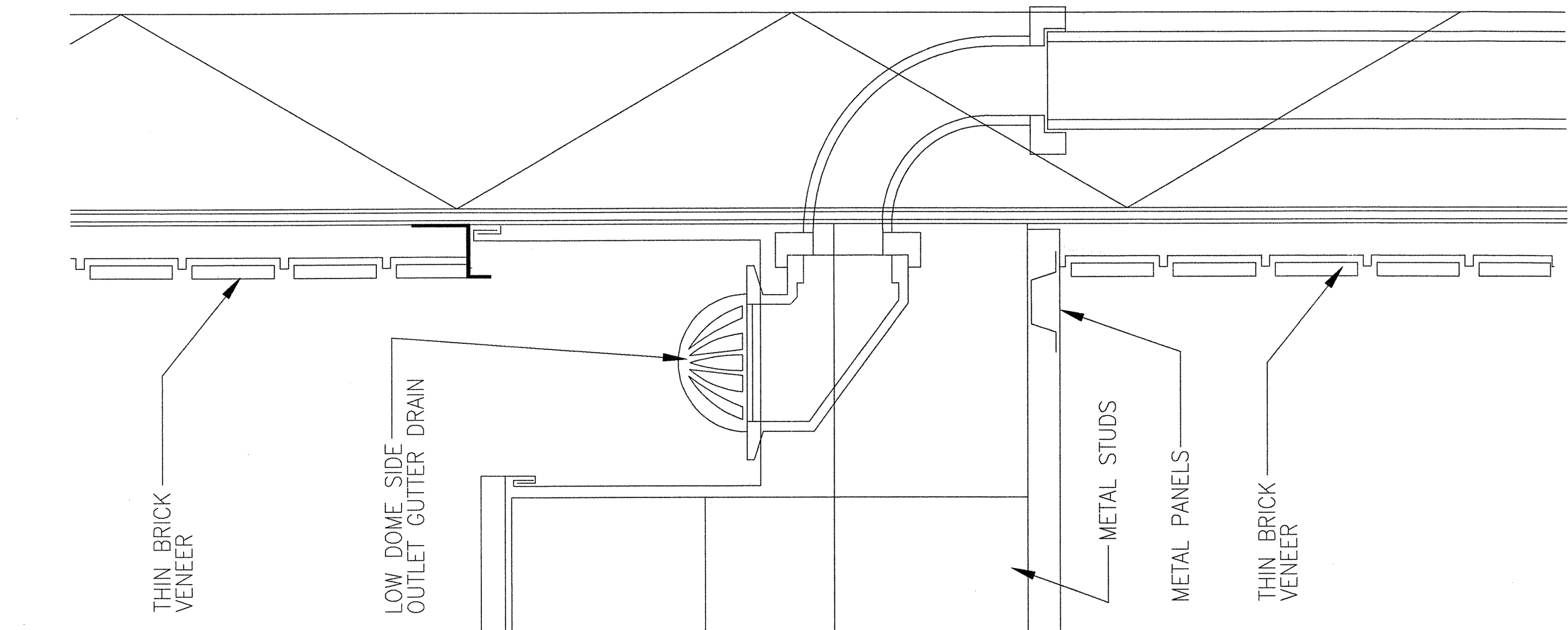
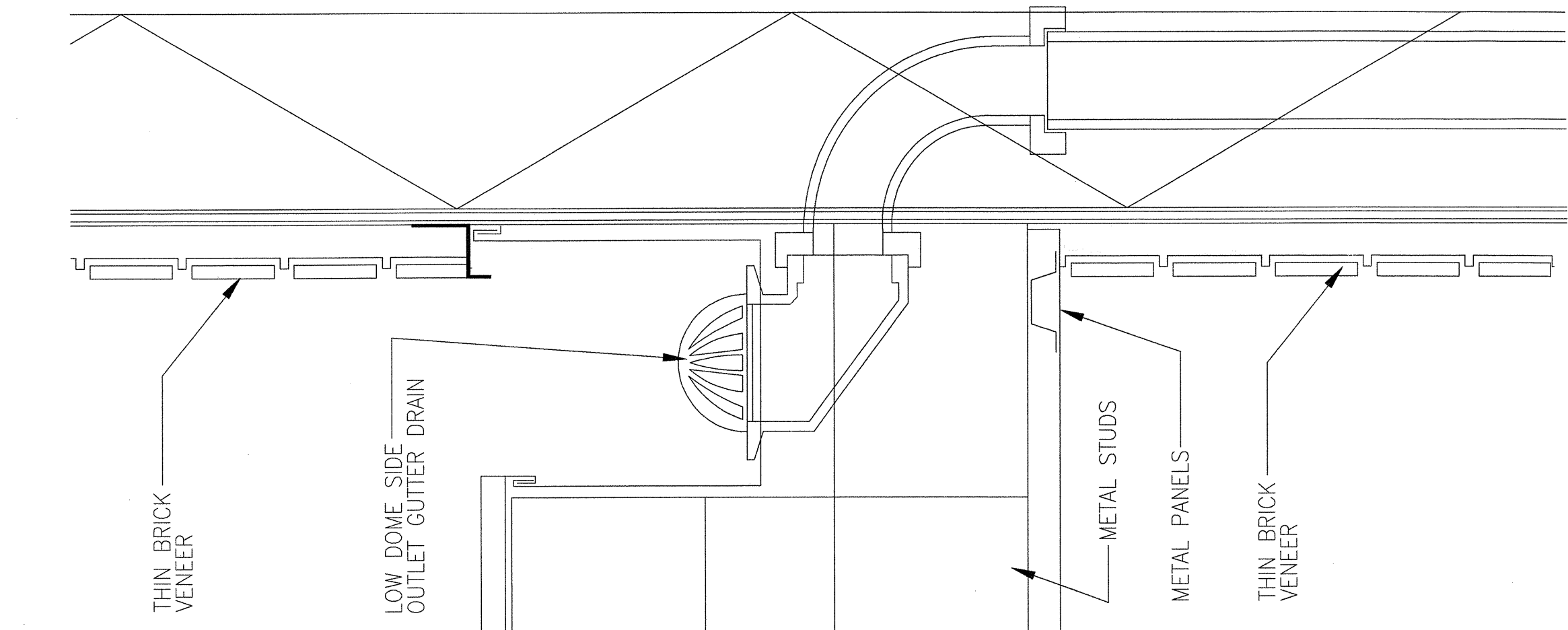
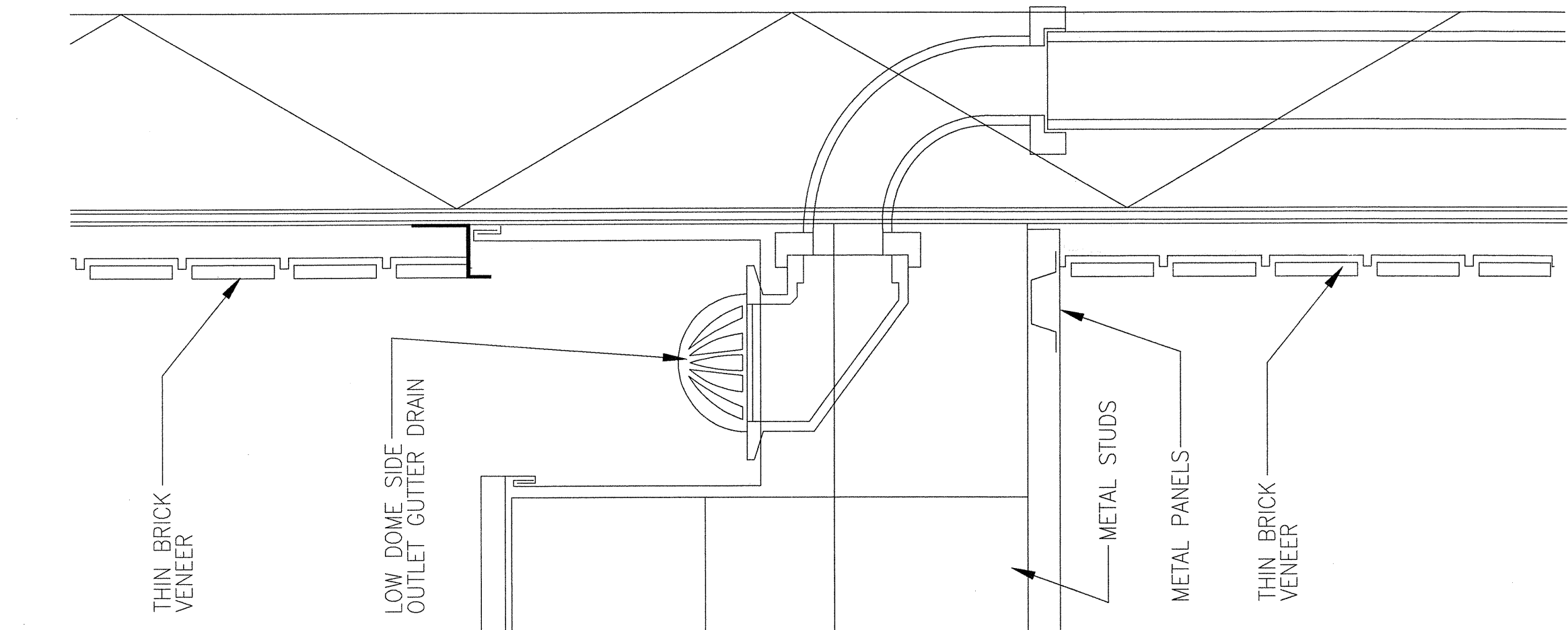
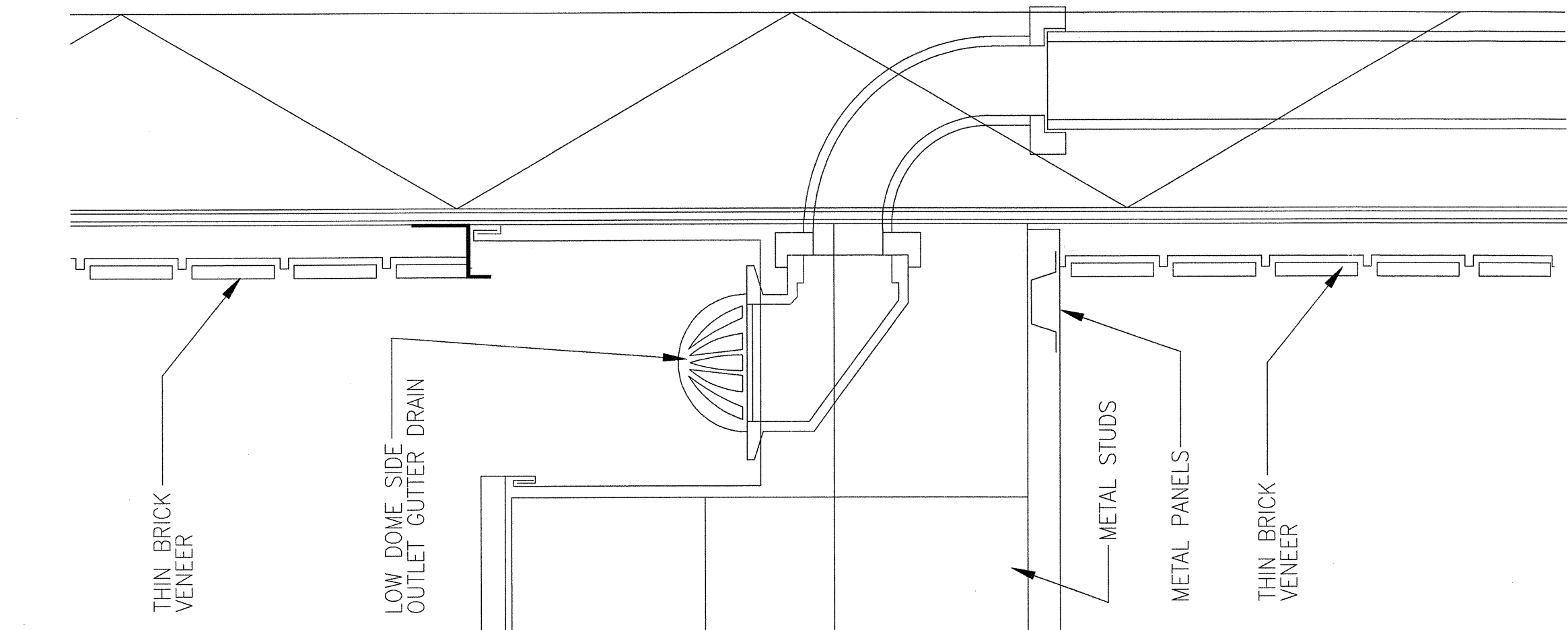
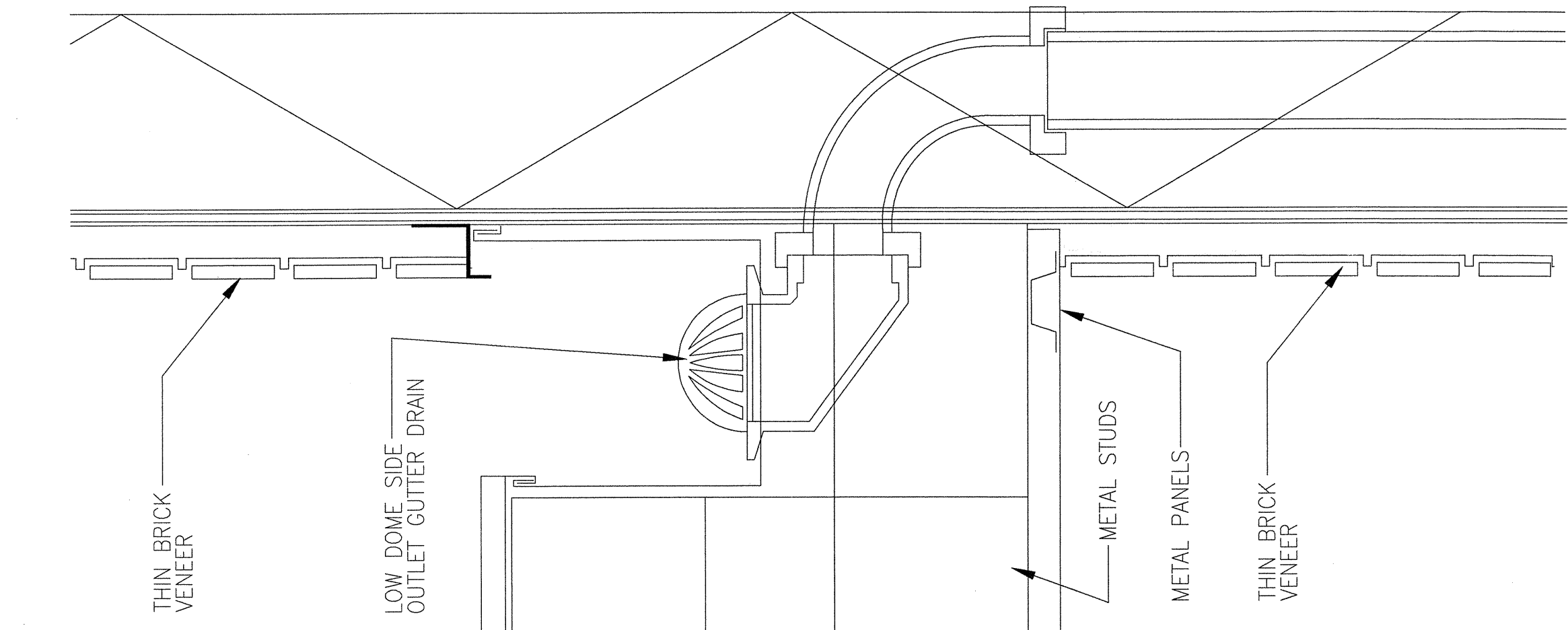
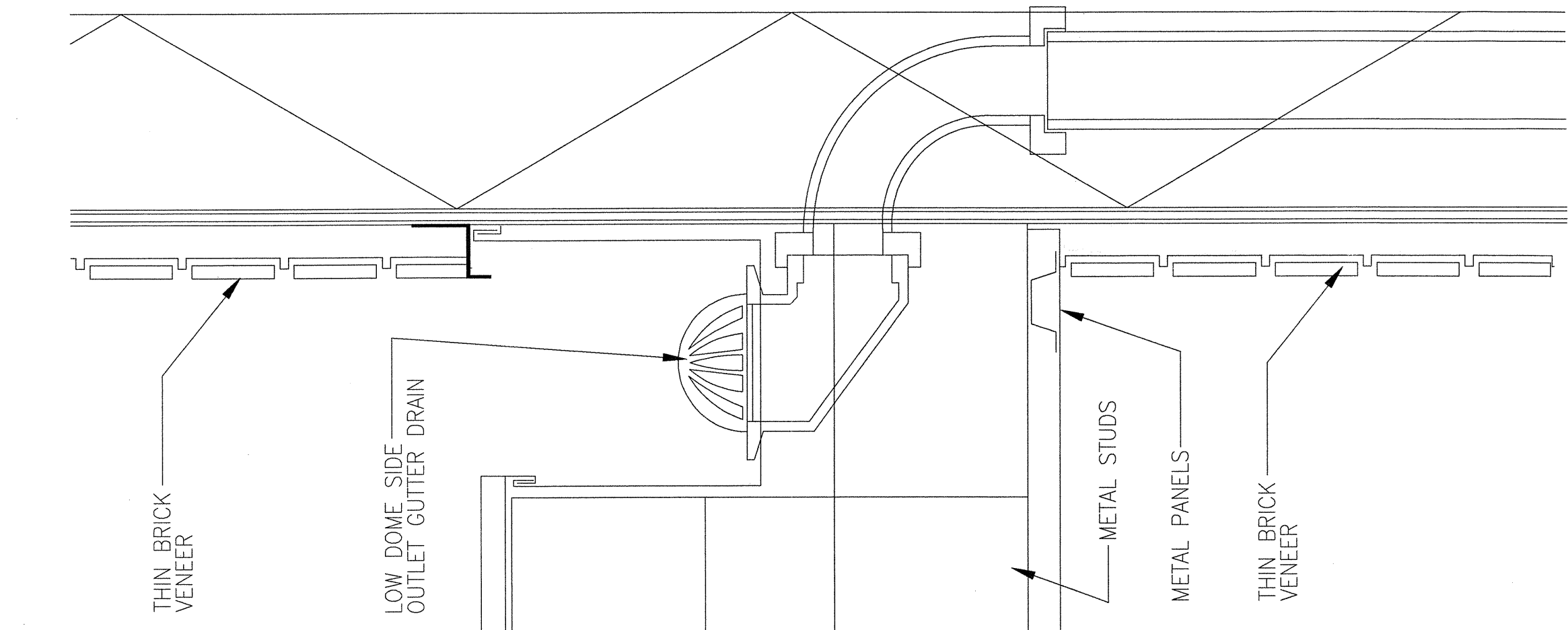
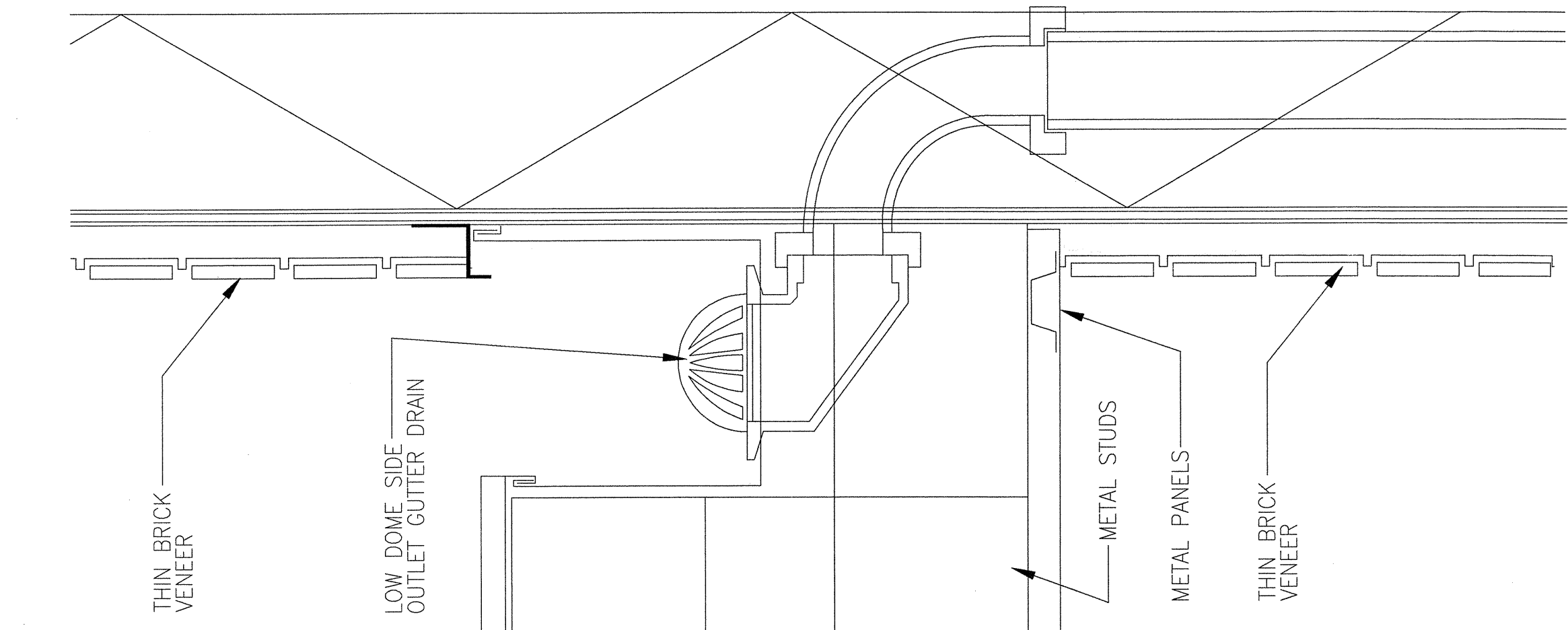
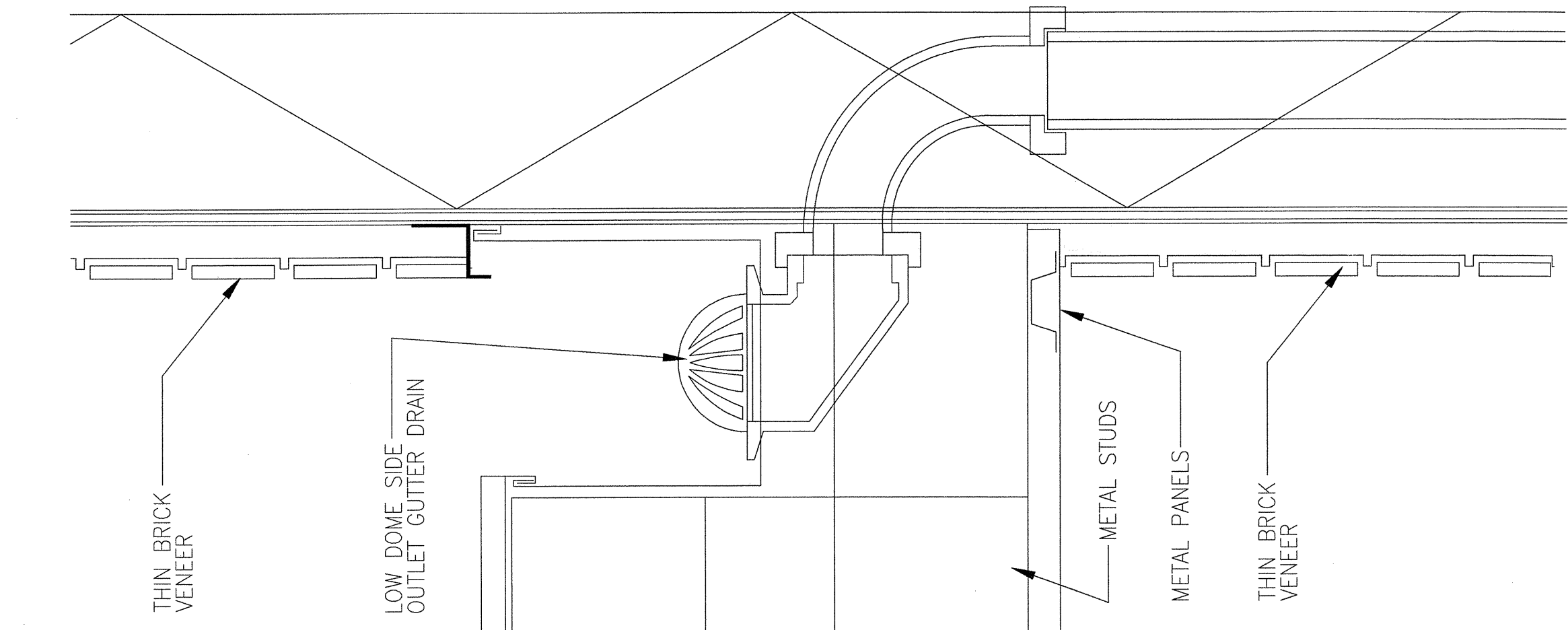


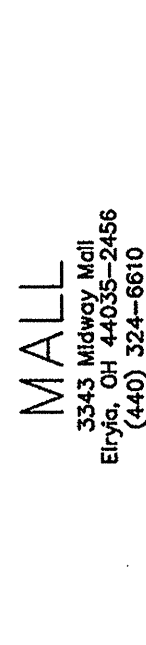
SECTION



PLAN SECTION

SECTION

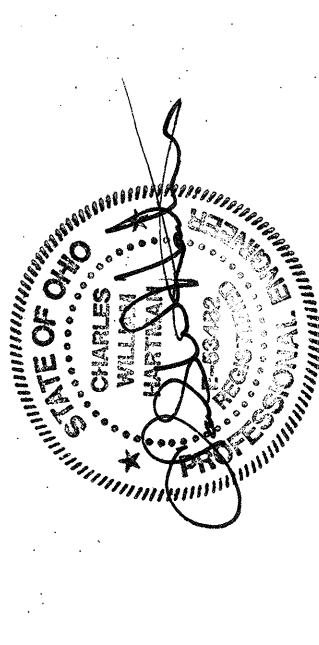




**WESTFIELD DESIGN &
CONSTRUCTION**
11601 Wilshire Boulevard, 12th
Floor Los Angeles, California
90025-1748
Telephone 310 478 4456
Facsimile 310 478 4488

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Registration No.



	SSOE INC.	
	ENGINEER, ARCHITECT, LAND SURVEYOR, PLANNING 1001 MADISON AVENUE TOLEDO, OHIO 43624 TEL. 419-255-3830 FAX 419-255-8181	
email, no. 04-1-1002-00		

Approvals:

Key Plan:

[illegible]

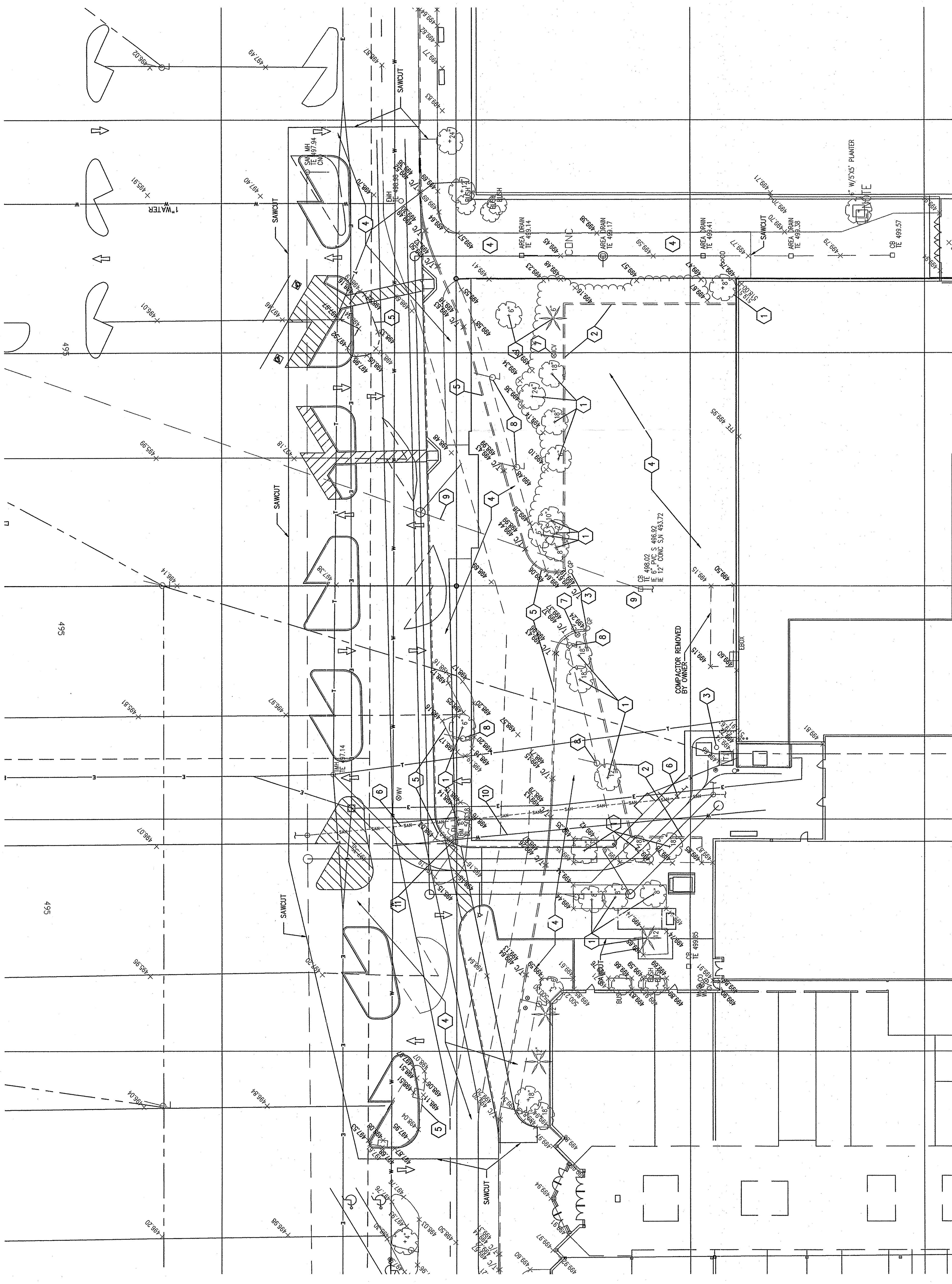
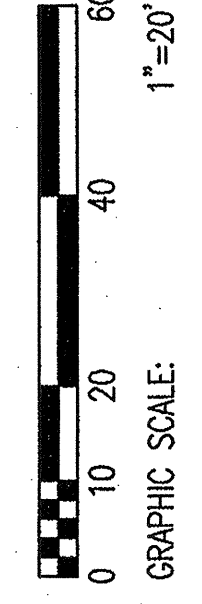
0 CWH 11-19-03 PERMIT SET (MID / 18 NOV 03) CWH 12/2/03

Sheet Title
DEMOLITION PLAN

Job No. 04-1002-00	Date	Scale P=20'
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CD1.1-1

- ### REMOVAL NOTES:
- 1 REMOVE TREE.
 - 2 REMOVE MASONRY WALL
 - 3 REMOVE GUARD POST.
 - 4 REMOVE CONC. SIDEWALK/ASPHALT PAVT
 - 5 REMOVE CONCRETE CURB.
 - 6 REMOVE SANITARY SEWER.
UNDER PROPOSED ADDITION
ABANDON SANITARY SEWER.
UNDER PROPOSED PAVEMENT
 - 7 WATERLINE BRIGATION SYSTEM
RELOCATION AND EXTENSION BY OTHERS
 - 8 REMOVE LIGHT POLE AND BASE.
MAINTAIN SERVICE TO ALL POLES
THAT REMAIN.
 - 9 REMOVE STORM SEWER AND
EXISTING CATCH BASIN
 - 10 REMOVE WATERLINE.
 - 11 REMOVE EXISTING HYDRANT ASSEMBLY
 - 12
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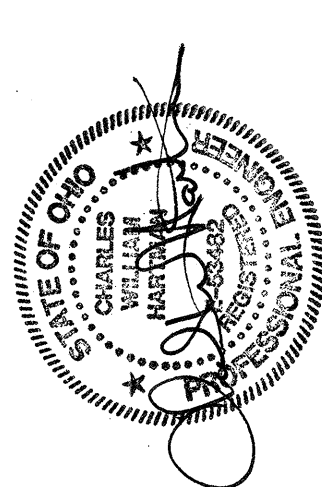


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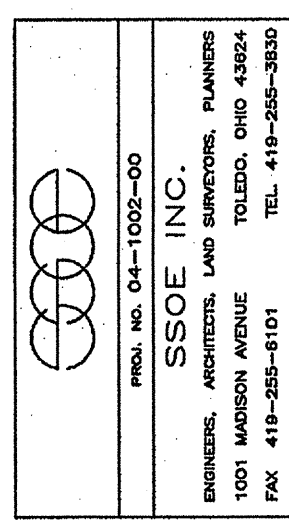
OFFFIELD DESIGN &

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Consultants



Approvals:

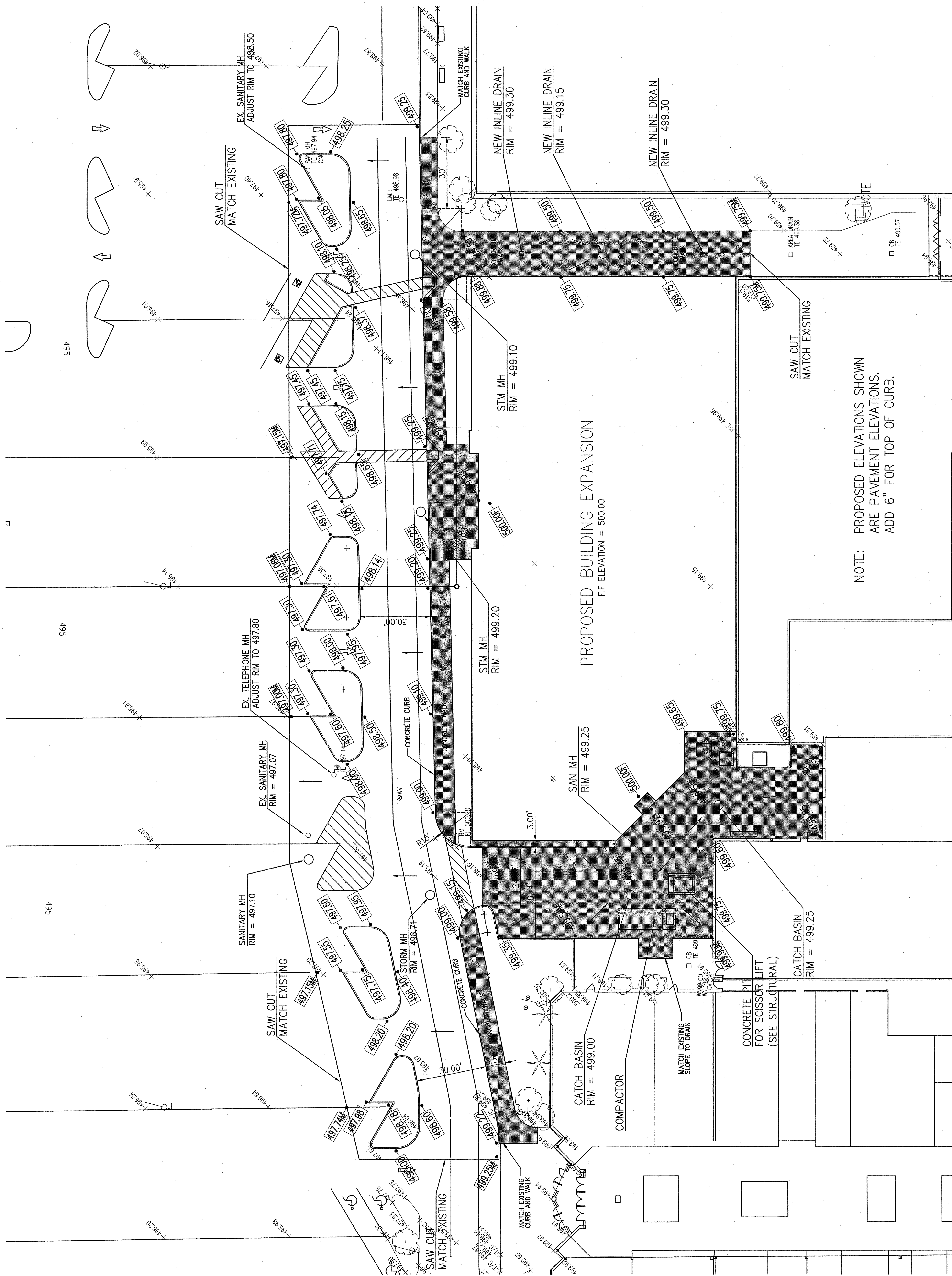
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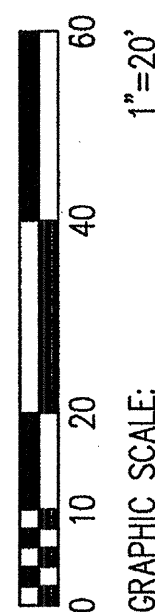
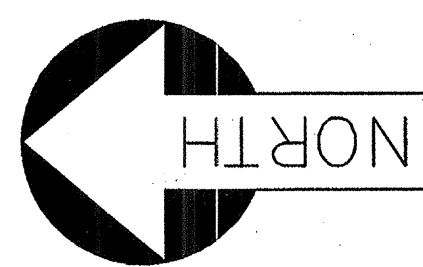
Sheet Title
**GEOMETRICS AND
SITE GRADING PLAN**

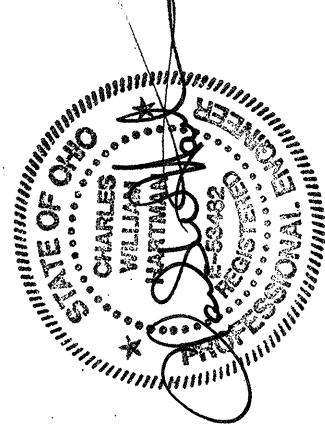
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C11-1

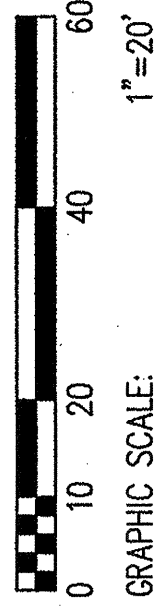
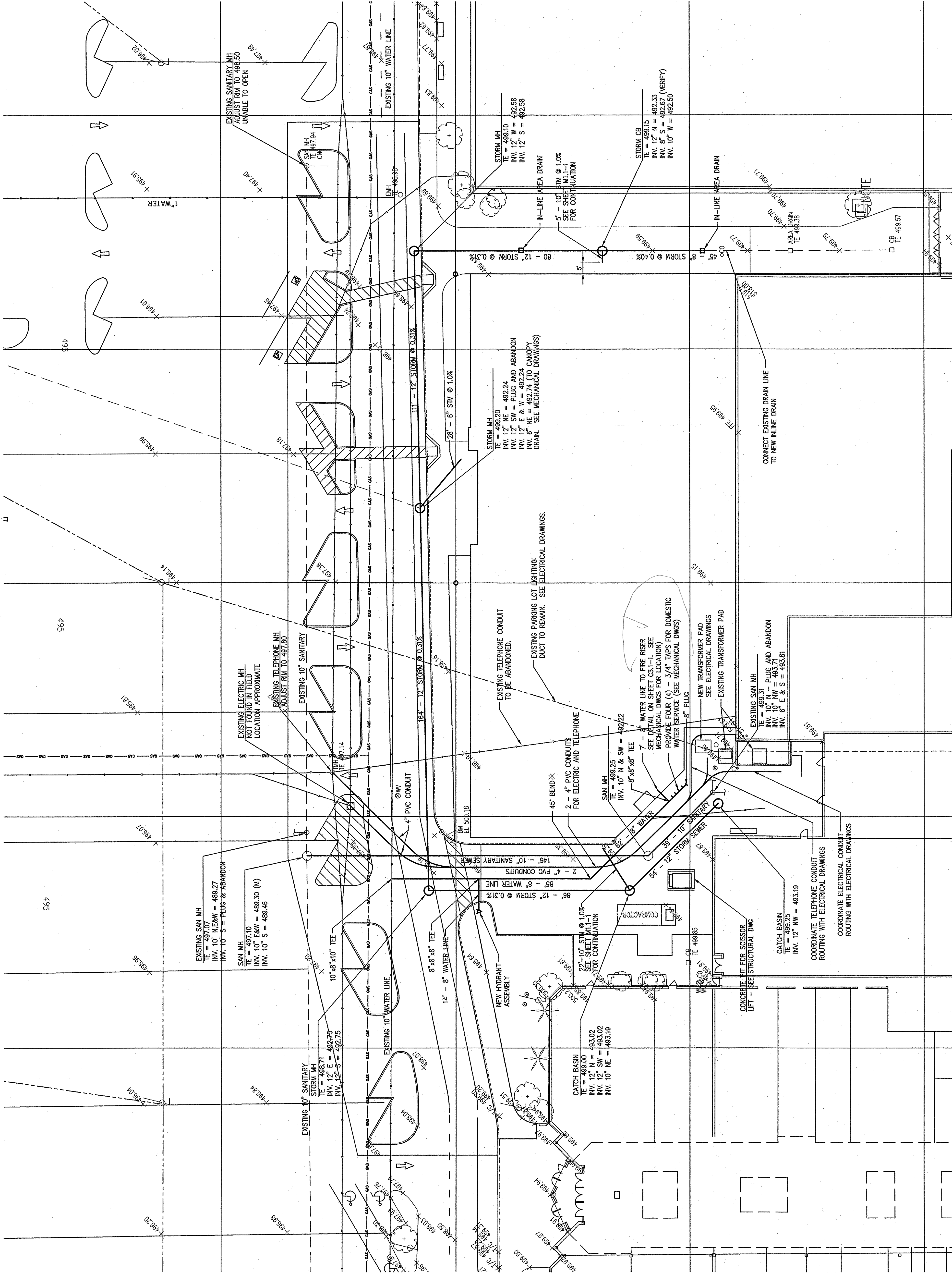


NOTE: PROPOSED ELEVATIONS SHOWN
ARE PAVEMENT ELEVATIONS.
ADD 6" FOR TOP OF CURB.

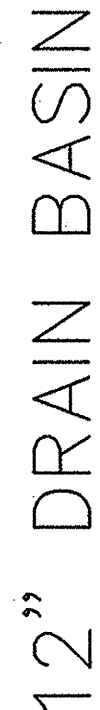
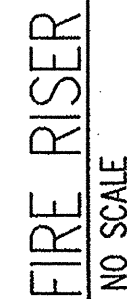
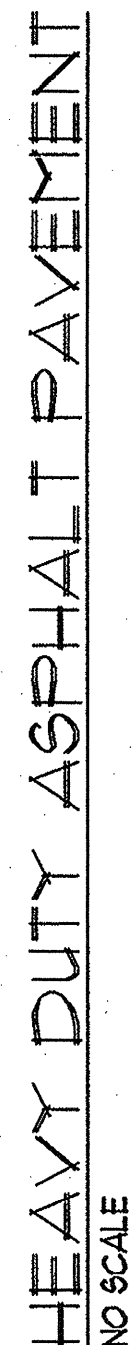
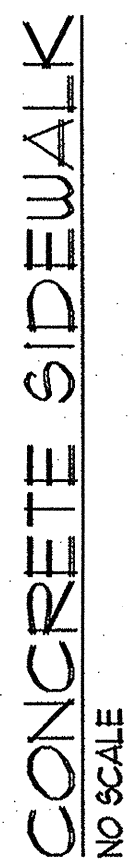
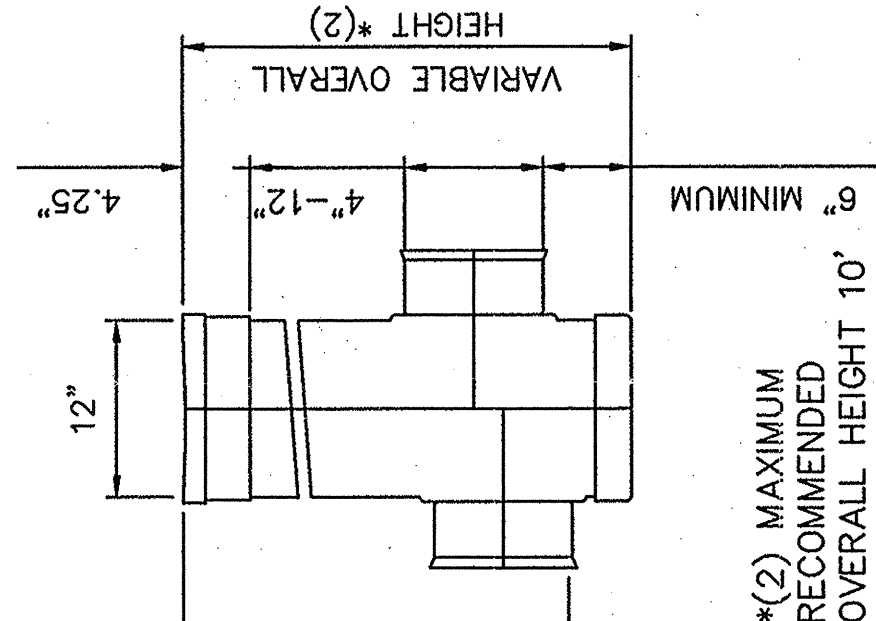
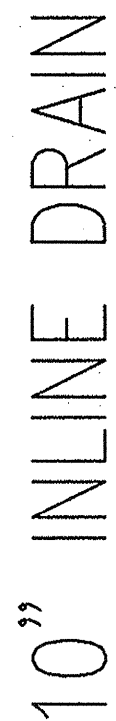


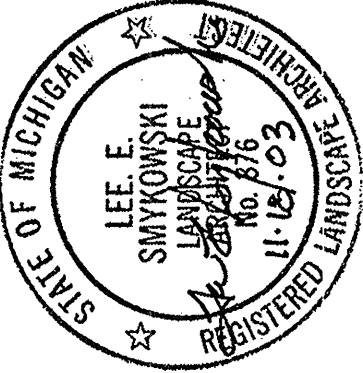


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GRAPHIC SCALE:
1"=20'





Consultants	
SOOE, INC.	
ENGINEERS, ARCHITECTS, LAND SHAPERS, PLANNERS	
1001 MADISON AVENUE	TOLLEDO, OHIO 43604
TEL. 419-255-3141	FAX 419-255-3830

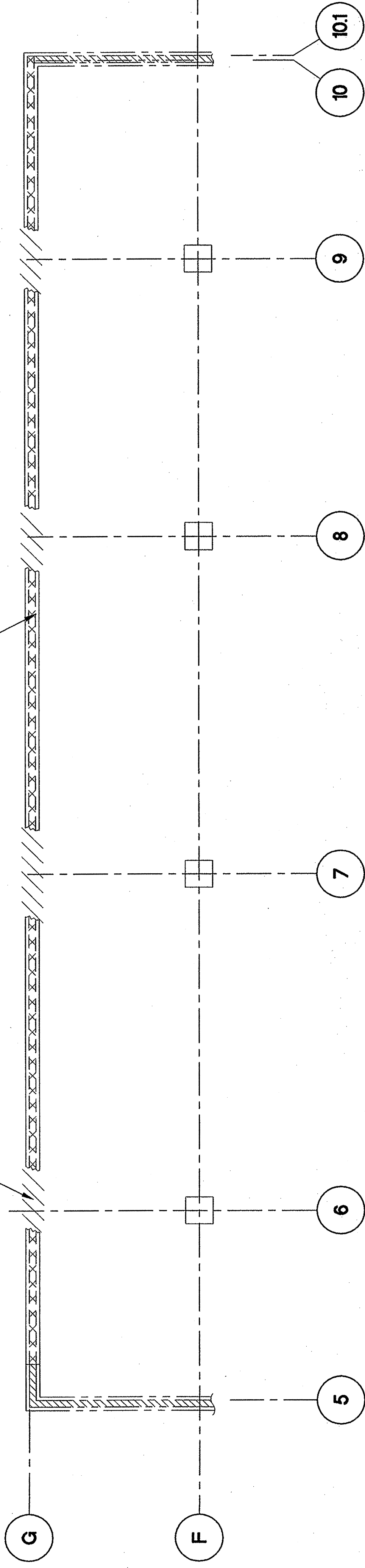
Approvals:

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PORTION OF WALL AND FOOTING
TO BE COMPLETELY REMOVED TO
ALLOW INSTALLATION OF NEW FOOTING.
SEE FOUNDATION PLAN S2.1-1 FOR
LOCATION. (TYP. 4 PLACES)

LOAD BEARING MASONRY WALL
TO BE REMOVED TO 8" BELOW
FINISHED FLOOR AFTER ALL
SHORING HAS BEEN INSTALLED

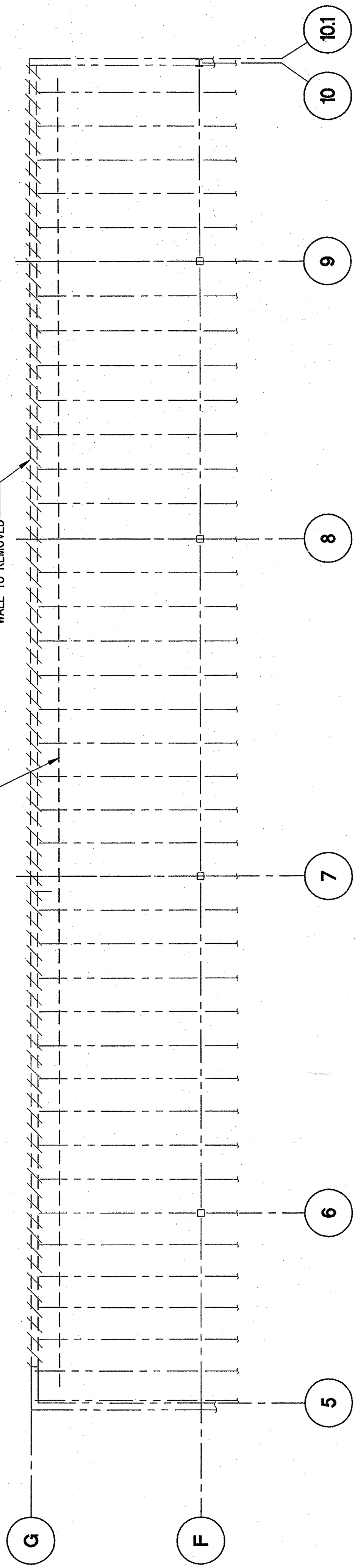


DEMOLITION PLAN AT FOUNDATION

SCALE: 3/32"=1'-0"

PROVIDE TEMPORARY
SHORING JOISTS AT PANEL
POINT LOCATIONS

LOAD BEARING MASONRY
WALL TO BE REMOVED



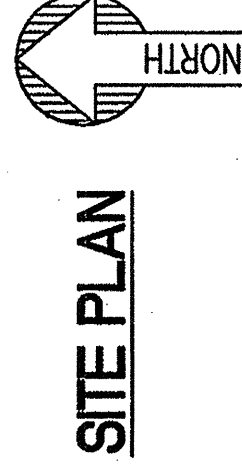
DEMOLITION PLAN AT ROOF

SCALE: 3/32"=1'-0"

NOTES:

- 1) COORDINATE DEMOLITION SCHEDULE WITH ERECTION CONTRACTOR. DUE TO THE GREAT EXTENT OF SUPPORT THAT IS NECESSARY AT THE ROOF, A PLAN SHALL BE DEVELOPED AND SUBMITTED TO THE ENGINEER AND THE OWNER STATING THE DATES OF DEMOLITION AND ERECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY JOIST SUPPORTS DURING THE TRANSITION PERIOD.
- 2) REFERENCE DRAWINGS S2.1-1 AND S2.2-1 FOR PLAN DIMENSIONS. DEMOLITION CONTRACTOR SHALL COORDINATE EXTENT OF DEMOLITION WITH ERECTION CONTRACTOR.
- 3) DEMOLITION CONTRACTOR SHALL PROVIDE SHORING, BRACING, AND / OR LATERAL SUPPORTS, AND WHATEVER PRECAUTIONS NECESSARY TO PREVENT UNDERMINING OF ADJACENT EXISTING FOUNDATIONS AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE.
- 4) NORTH WALL IS A SHEAR WALL. PROVIDE TEMPORARY LATERAL BRACING UNTIL MOMENT FRAME IS ERECTED.

COORDINATE ALLOWED JOISTS FOR DEMOLITION WORK WITH WALL MANAGEMENT
ADJACENT TENANTS ARE NOT TO BE DISTURBED



SITE PLAN

Westfield
SHOPPING TOWN

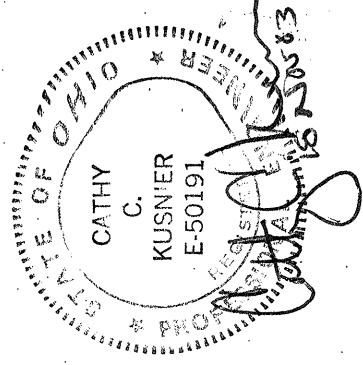
MIDWAY MALL

3443 Midway Mall
Suite 200
Chicago, IL 60642-4256
(773) 384-6810

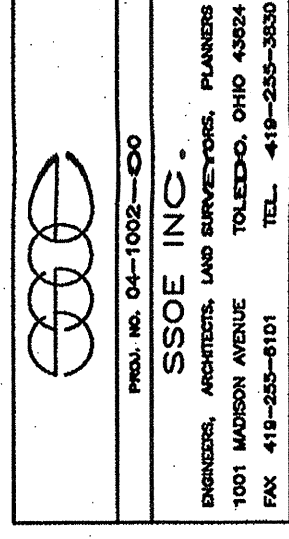
WESTFIELD DESIGN &
CONSTRUCTION
11601 Construction 12th
Floor Los Angeles, California
90025-1748
Telephone 310 478 4455
Facsimile 310 478 4468

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Registration No.



Consultants



Approvals:

Key Plan:

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STRUCTURAL GENERAL NOTES:

- DESIGN:
- ALL DESIGN AND CONSTRUCTION WORK FOR THIS PROJECT SHALL CONFORM TO THE 2003 EDITION OF OHIO BUILDING CODE.
 - DESIGN LOADS:
 - ROOF LOADS: 20 PSF
 - WIND LOADS: 140 MPH EXPOSURE "C"
 - SEISMIC: SOIL SITE CLASS "D", SDS=0.18 (S=0.18), SDI=0.09 (SI=0.09)

- ANALYSIS PROCEDURE: "B" THE EQUIVALENT LATERAL FORCE METHOD
 - SEISMIC FORCE RESISTING SYSTEM: INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
 - THE TOTAL BASE SEISMIC SHEAR: 37 KIPS
- SHOP DRAWINGS FOR STRUCTURAL STEEL, JOISTS, AND CONCRETE REINFORCEMENT TO BE SUBMITTED FOR REVIEW BY THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION.

CONSTRUCTION:

- SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR EMBEDDED ITEMS NOT SHOWN HEREIN AND FIELD ERECTION OF ALL STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION HANDBOOK, "FRAMED BEAM CONNECTIONS". BOLTS SHALL BE 3/4" OTHERWISE ON THE DRAWINGS.
- CONTRACTOR SHALL VERIFY CONFORM MECHANICAL EQUIPMENT SUPPORT LOCATIONS WITH CERTIFIED EQUIPMENT SHOP DRAWINGS PRIOR TO FABRICATION.
- THE GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OR BRACING DURING CONSTRUCTION TO RESIST FORCES SUCH AS WIND AND UNBALANCED LOADING DUE TO CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING BUILDING DURING CONSTRUCTION.

STEELWORK / FOUNDATIONS:

- ALL FOUNDATIONS ARE DESIGNED TO BEAR ON NATURALLY OCCURRING SOILS OR ENGINEERED FILL CAPABLE OF SAFELY SUSTAINING 2000 PSF MINIMUM NET ALLOWABLE BEARING PRESSURE. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY THIS BEARING CAPACITY PRIOR TO FABRICATION.
- FOUNDATION WALL BACKFILL SHALL NOT BE UNBALANCED BY MORE THAN TWO FEET ON EITHER SIDE AT ANY TIME.
- ALL EXTERIOR FOUNDATIONS SHALL HAVE A MINIMUM BEARING DEPTH OF 3'-6" BELOW EXTERIOR GRADE ELEVATION.

CONCRETE:

- ALL CONCRETE WORK SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE STANDARD BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (AC308-99) AND THE LATEST APPLICABLE RECOMMENDATIONS OR THE ACI MANUAL OF STANDARD PRACTICE.
- ALL CONCRETE USED IN THE WORK SHALL HAVE THE FOLLOWING MINIMUM:
 - COMPRESSIVE (FC) STRENGTHS AT 28 DAYS:
 - FOOTINGS AND PIER: 5000 PSI
 - SLABS-ON-GRADE = 4000 PSI
- PROVIDE CONCRETE WITH 3" TO 5" SLUMP, ALL EXPOSED EXTERIOR CONCRETE FLATWORK SHALL CONTAIN 5% TO 7% AIR ENTRAINMENT, CHLORIDES IN ANY FORM OR CONCENTRATION SHALL NOT BE ADDED TO ANY CONCRETE.
- ALL CONCRETE IS REINFORCED UNLESS SPECIFICALLY NOTED AS "UNREINFORCED". REINFORCE ALL CONCRETE NOT OTHERWISE SHOWN WITH THE SAME STEEL AS SHOWN IN SIMILAR SECTIONS. COMPLY WITH ACI 304, "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE".
- PERFORM CURING OF CONCRETE BY CURING AND SEALING COMPOUND BY, MOST ACI 308, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE AS SHOWN ON THE DRAWINGS, WHERE NOT SHOWN, LIMIT CONTROLLED AREAS TO NOT MORE THAN 15 FEET ON ANY ONE SIDE.
- COORDINATE CONCRETE FINISHES, RECESSED AREAS, REVEALS, EMBEDDED ITEMS, SPECIAL JOINT PATTERNS, ETC. WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. PROVIDE A 2" CHAMFER AT ALL EXPOSED EDGES OF CONCRETE.
- NO ALUMINUM ITEMS SHALL BE EMBEDDED IN CONCRETE.
- ALL OPENINGS IN CONCRETE SLABS SHALL BE REINFORCED WITH (1) #5 BAR (OPENING PLUS 2 FT. EACH SIDE) ALONG EACH SIDE OF OPENING, AND (1) #5 X 4'-0" DIAGONALLY AT EACH CORNER. REINFORCE ALL RE-ENTRANT CORNERS WITH (1) #5 X 4'-0" DIAGONALLY.
- ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.

MASONRY:

- ALL CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90, GRADE N-1 SPECIFICATIONS AND SHALL BE PLACED IN RUNNING BOND UNLESS NOTED OTHERWISE.
- CONCRETE MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH, F_m, OF 1500 PSI. ALL MORTAR FOR MASONRY SHALL BE TYPE S, MORTAR CEMENT, MASONRY CEMENT IS NOT ALLOWED. PROVIDE MORTAR BED ON WEB BETWEEN MASONRY CROUT SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.
- MASONRY CROUT SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.
- ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 AND LOCATED IN THE CENTER OF CMU WALLS (1/2" - 1/2") UNLESS NOTED OTHERWISE. USE REBAR PLACEMENT DEVICES OR OTHER APPROVED MEANS TO PROPERLY LOCATE AND SECURE REINFORCEMENT IN PLACE.
- ALL BOND BEAMS AND CELLS CONTAINING REINFORCING STEEL, ANCHORS, EMBEDMENTS, ETC. SHALL BE FILLED WITH GROUT. ALL HOLLOW CONCRETE MASONRY IN CONTACT WITH EARTH SHALL BE PREFABRICATED LADDER TYPE WITH 9 GAGE SIDE AND CROSS RODS. VERTICAL SPACING OF JOINT REINFORCEMENT SHALL NOT EXCEED 16 INCHES ON CENTER. PREFABRICATED CORNER AND TEE UNITS SHALL BE USED AND SIDE RODS SHALL BE LAPPED 6 INCHES MINIMUM AT SPICES.
- HORIZONTAL REINFORCEMENT, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE (1) #5 TOP AND BOTTOM OF ALL OPENINGS EXTENDING 2'-0" MINIMUM PAST THE OPENING ON EACH SIDE.
- ALL VERTICAL REINFORCEMENT AND CONTINUOUS STEEL SHALL BE LAPPED 48 BAR DIAMETERS (24 INCHES MINIMUM) AT SPICES UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL WALLS SHALL BE REINFORCED WITH (1) #5 @ 48" O.C., UNLESS OTHERWISE NOTED. IN ADDITION TO THE VERTICAL STEEL INDICATED, (1) #5 SHALL BE PROVIDED AS FOLLOWS: EACH BUILDING CORNER, END OF WALLS, EACH SIDE OF OPENINGS AND EACH SIDE OF CONTROL JOINTS. VERTICAL REINFORCEMENT NOT EXTENDING A MINIMUM OF 16" ABOVE JOIST OR DECK BEARING SHALL BE TERMINATED WITH A STANDARD ACI HOOK.
- CONTROL JOINTS IN CONCRETE MASONRY NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL BE LOCATED AS FOLLOWS:
 - CONTROL JOINT SPACING SHALL NOT EXCEED 30 FEET ON CENTER AND
 - LOCATION JOINT LOCATIONS SHALL BE A MINIMUM OF 2 FEET FROM JAMES OF OPENINGS AND WALL CORNERS.
 - ALL CHANGES IN WALL THICKNESS
 - ALL CHANGES IN WALL HEIGHTS
- COORDINATE ALL CONTROL JOINT LOCATIONS WITH THE ARCHITECTURAL DRAWINGS. WORK IN PROGRESS SHALL BE INSPECTED FOR MATERIALS, EQUIPMENT AND PROCEDURES EVALUATED FOR QUALITY AND ACCEPTABILITY BY QUALIFIED PERSONNEL.
- MASONRY WALLS SHALL BE ADEQUATELY BRACED BY THE MASONRY CONTRACTOR.

STRUCTURAL STEEL:

- THE DETAILING, FABRICATION, AND ERECTION OF ALL STRUCTURAL STEEL SHALL CONFORM TO AISC'S, "STEEL CONSTRUCTION MANUAL- ASD", NINTH EDITION.
- MATERIAL PROPERTIES:
 - STRUCTURAL SHAPES, WF SHAPES: F_y=50KSI, ASTM A992
 - STRUCTURAL SHAPES, MISC. SHAPES AND PLATES: F_y=36KSI, ASTM A36
 - STEEL TUBES: F_y=42KSI, ASTM A500, GRADE B
 - CONCRETE: F_c=4000 PSI, ASTM C150
 - ANCHOR BOLTS: F_y=36KSI, ASTM A36
 - HEAVY STRENGTH BOLTS: F_y=50KSI, ASTM A325
 - WELDING ELECTRODES: E₇₀=70KSI, AWS D1.1, E70XX
 - ALL METAL ROOF DECK, GALVANIZED: F_y=33KSI, ASTM A653, G60
- ALL ANCHOR BOLTS SHALL BE ASTM A307 OR A36 UNLESS NOTED OTHERWISE. ANCHOR BOLTS SHALL HAVE EITHER A HEAVY HEX HEAD OR HEAVY HEX NUT WELDED TO THE BOLT AT THE EMBEDDED END UNLESS NOTED OTHERWISE ON THE DRAWINGS. ANCHOR BOLTS SHALL BE LOCATED USING TEMPLATES AND SET IN PLACE WITH EXPOSED THREADS OF BOLTS GREASED BEFORE PLACING CONCRETE.
- ALL BEAM CONNECTIONS SHALL BE WELDED OR BOLTED AS DETAILED ON THE DRAWINGS OR PER THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION HANDBOOK, "FRAMED BEAM CONNECTIONS". BOLTS SHALL BE 3/4" OTHERWISE ON THE DRAWINGS.
- ALL WELDING SHALL CONFORM TO THE CURRENT AMERICAN WELDING SOCIETY SPECIFICATIONS AND BE PERFORMED BY CERTIFIED WELDERS.
- UNITS OVER OPENINGS IN MASONRY WALLS NOT OTHERWISE DETAILED SHALL BE (1) 5X3/5/16 ANGLE FOR EACH 4 INCHES OF WALL THICKNESS. MAXIMUM WIDTH OF OPENING SHALL BE 4'-8". EXTERIOR STEEL LINTELS SHALL BE GALVANIZED, UNLESS NOTED OTHERWISE. ALL OPENINGS IN METAL ROOF DECK SHALL HAVE 3 X 3 X 1/4" ANGLE FRAME SET BETWEEN JOISTS. SUPPORT MECHANICAL EQUIPMENT PER DETAIL 8 ON S32-1.
- ALL STRUCTURAL STEEL SHALL HAVE ONE SHOP COAT OF RUST INHIBITOR PRIMER PAINT CONFORMING SPECIFICATIONS. FIELD TOUCH UP ALL UNPAINTED, NICKED AND WELDED AREAS.
- ALL EXTERIOR STEEL SHALL BE GALVANIZED.

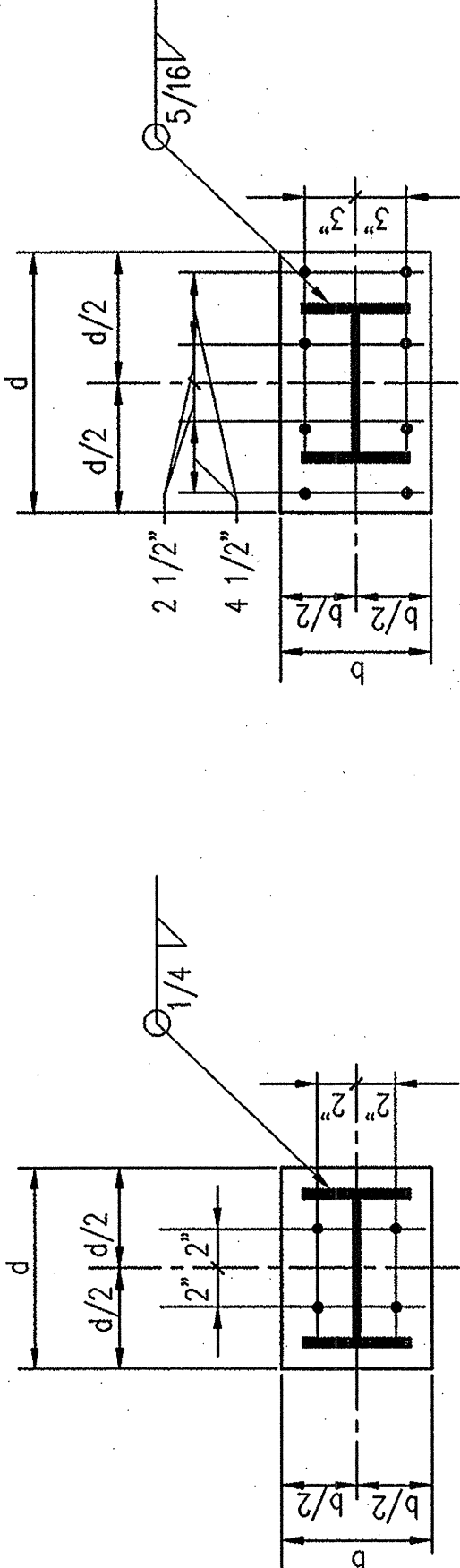
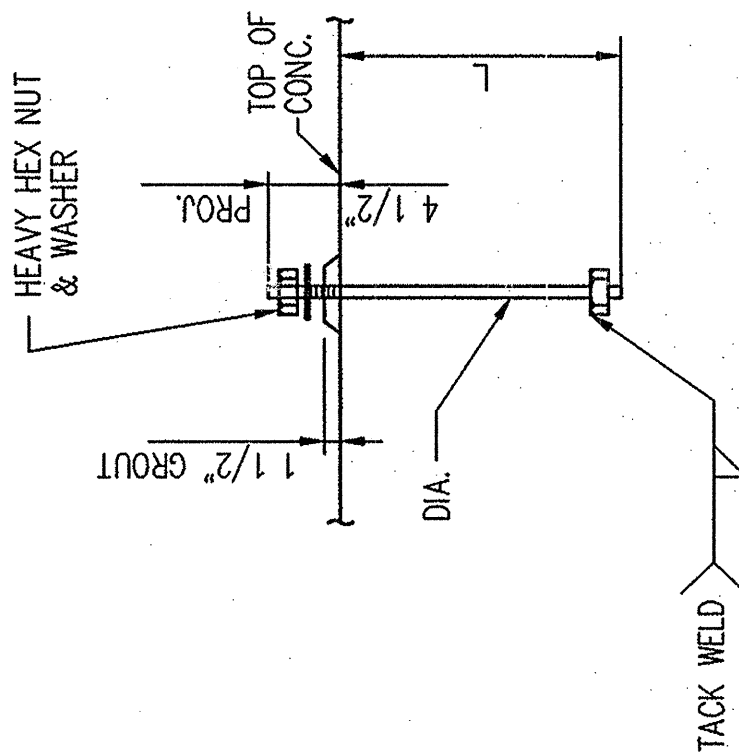
STEEL JOISTS:

- STEEL JOIST SHALL CONFORM TO THE CURRENT SPECIFICATIONS OF AND BE MANUFACTURED BY A MEMBER OF THE STEEL JOIST INSTITUTE. JOIST SHALL HAVE BRIDGING PER THE STEEL JOIST INSTITUTE SPECIFICATIONS AND SHALL BE SUPPLEMENTED AS INDICATED ON THE DRAWINGS.
- WELD ALL STEEL JOIST TO BEAMS, ANGLES, OR BEARING PLATES WITH 3/16 INCH FILLET WELDS, 2 INCHES LONG EACH SIDE OF JOIST SEAT. WHEN A JOIST OCCURS ADJACENT TO, OR AT A COLUMN, IT SHALL BE BOLTED TO THE SUPPORTING STEEL. IN CONFORMANCE WITH OSHA REQUIREMENTS.
- STEEL ROOF JOISTS SHALL BE DESIGNED FOR NET UPLIFT AS FOLLOWS:
 - PERIMETER EDGES OF BUILDING (10' WIDE STRIP) = 10 PSF
 - ALL OTHER AREAS = 7 PSF
- STEEL JOIST CHORDS ARE NOT DESIGNED FOR CONCENTRATED LOADS. EITHER PLACE LOADS AT PANEL POINTS, FIELD WELD (2) 2 X 2 X 3/16" ANGLES FROM POINT OF LOAD TO NEAREST PANEL POINT ON OPPOSITE CHORD, OR REINFORCE CHORD WITH 4 X 4 X 1/4" ANGLE TO DISTRIBUTE LOAD TO ADJACENT PANEL POINTS.
- ALL STEEL JOISTS SHALL HAVE ONE SHOP COAT OF RUST INHIBITOR PRIMER PAINT CONFORMING TO THE OWNER'S SPECIFICATIONS. FIELD TOUCH UP ALL UNPAINTED, NICKED AND WELDED AREAS.

LIGHT GAGE METAL FRAMING:

- ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", AND SHALL BE OF THE TYPE, SIZE, GAUGE AND SPACING SHOWN ON THE DRAWINGS. ALL EXTERIOR AND STRUCTURAL MEMBERS SHALL BE GALVANIZED AND A MINIMUM OF 18 GA. ALL WELDING SHALL BE ACCORDING TO THE AMERICAN WELDING SOCIETY (AWS). WHERE NOT SHOWN ON THE DRAWINGS OR SPECIFICATIONS ASSUME THE FOLLOWING:
 - ALL STRUCTURAL STEEL SHALL BE FORMED FROM CORROSION-RESISTANT STEEL, CORRESPONDING TO THE REQUIREMENTS OF ASTM A446, WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
 - ALL STUDS, RUNNERS, JOISTS = 50 KSI
 - 14-18 GA. STUDS, JOISTS = 33 KSI
- FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS OR WELDING. SCREWS SHALL BE OF SUFFICIENT SIZE TO INSURE THE STRENGTH OF THE CONNECTION. ALL WELDS SHALL BE TOUCHED UP WITH A ZINC-RICH PAINT. WIRE TYPING OF COMPONENTS SHALL NOT BE ALLOWED.
- RUNNERS SHALL BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE PER THE COMMON STRUCTURAL ELEMENT, BUTT-WELDED OR SPICED.
- ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO ADJUT COMPONENTS, OR, AS REQUIRED, FOR AN ANGULAR FIT AGAINST JOIST BRIDGING SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS OR PER MANUFACTURER'S RECOMMENDATION.

C O L U M N S C H E D U L E				
COLUMN MARK	(C1) & (C1A)	(C2) & (C2A)	(C3) & (C3A)	(C5)
COLUMN SIZE	W8x24	W8x28	W8x31	W8x24
BASE PLATE (xhxw)	3/4"x10"x10"	3/4"x10"x10"	3/4"x10"x10"	3/4"x10"x10"
BOT./BASE PLATE EL.	98'-5 1/2"	99'-5 1/2"	99'-5 1/2"	99'-5 1/2"
BASE PLATE TYPE	TYPE 1	TYPE 1	TYPE 1	TYPE 1
ANCHOR BOLT(S) DIA.	(4) 3/4"x18"	(4) 3/4"x18"	(6) 1 1/4"x24"	(4) 3/4"x18"
REMARKS	C1: (4) 3/4"x13 1/2" C1A: (4) 3/4"x24"	C2: (4) 3/4"x13 1/2" C2A: (4) 3/4"x24"	C3: (4) 3/4"x13 1/2" C3A: (4) 3/4"x24"	ANCHOR BASE PLATE TO EXIST GRADE WALL W/ 3/4" DIA. x 5" EMBED THRU RD & HLTI HY-150 EPOXY



BASE PLATE TYPE "1"

BASE PLATE TYPE "2"

TYPICAL ANCHOR BOLT DETAIL

NO SCALE

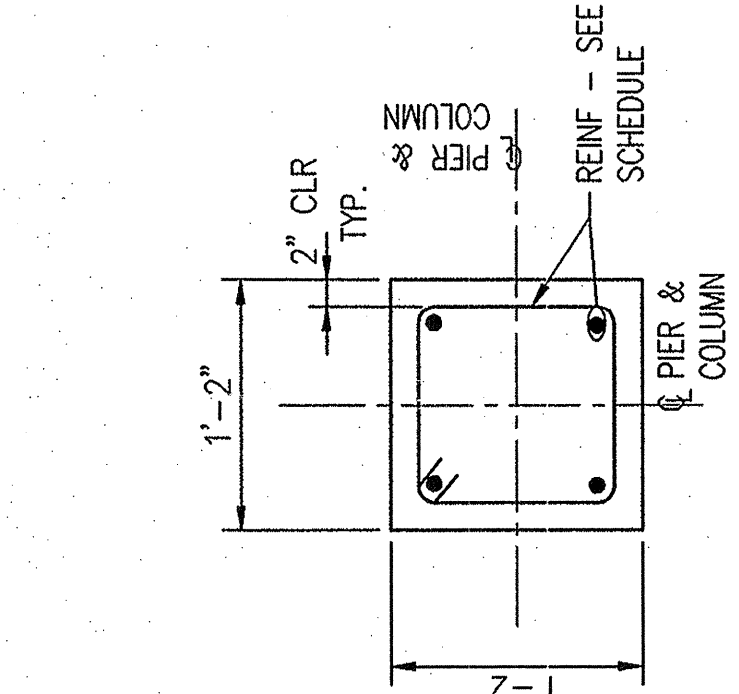
BASE PLATE NOTES:

NO SCALE

- CONTRACTOR HAS OPTION TO USE LEADING NUTS IN THE 1 1/2" GROUT SPACE, OR PROVIDE 1/4" LEADING PLATES AND A 1/2" GROUT BED.
- COLUMN SHALL HAVE CONTINUOUS WELDS ALL AROUND (WEB AND FLANGES).

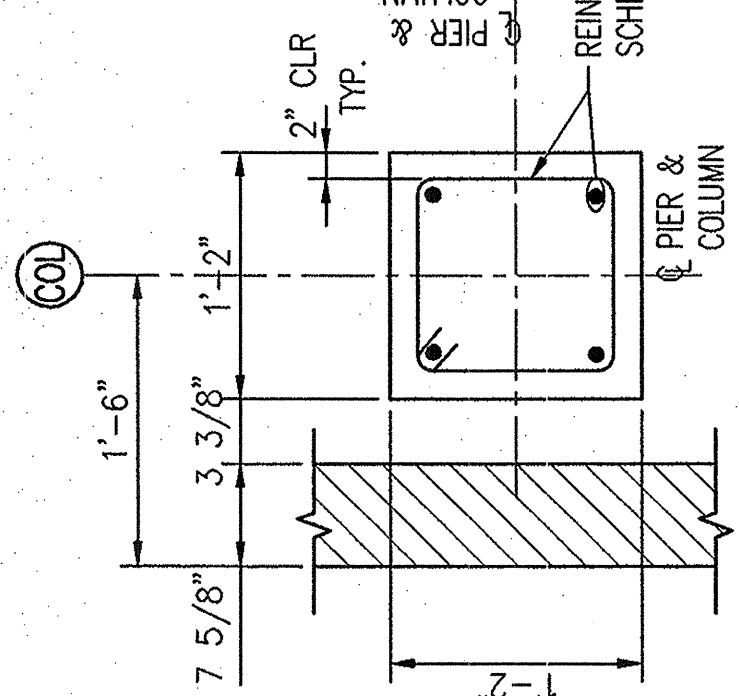
FOOTING AND PIER SCHEDULE

MARK	(F1)	(F2)	(F3)	(F4)	(F5)	(F6)	(F7)
SIZE (dxwxh)	5'-0x5'-0x1'-0	5'-0x5'-0x1'-0	6'-0x6'-0x1'-3	6'-0x6'-0x1'-3	5'-6x5'-6x1'-0	8'-0x8'-0x1'-3	8'-0x8'-0x1'-3
REINFORCING	6-#5 E.W. BOT.	6-#5 E.W. BOT.	7-#6 E.W. BOT.	7-#6 E.W. BOT.	7-#6 E.W. BOT.	9-#6 E.W. TOP 9-#6 E.W. BOT.	9-#6 E.W. TOP 9-#6 E.W. BOT.
TOP FIB. EL.	99'-4"	97'-4"	99'-4"	97'-4"	97'-4"	97'-4"	97'-4"
PIER TYPE	-	-	-	-	-	-	-
PIER SIZE (d x w)	-	1'-2 x 1'-2	-	1'-2 x 1'-2	1'-2 x 1'-2	3'-6 x 2'-0	3'-6 x 2'-0
REINFORCING	-	4 - #5	-	4 - #5	4 - #5	12 - #6	12 - #6
TIES	-	#5 AT 10"	-	#5 AT 10"	#3 AT 10"	#3 AT 10"	#3 AT 10"
TOP PIER EL.	-	99'-4"	-	99'-4"	99'-4"	-	-
REMARKS	2 SETS OF #3 TIES AT 4" C/C TOP	2 SETS OF #3 TIES AT 4" C/C TOP	2 SETS OF #3 TIES AT 4" C/C TOP	2 SETS OF #3 TIES AT 4" C/C TOP	2 SETS OF #3 TIES AT 4" C/C TOP	2 SETS OF #3 TIES AT 4" C/C TOP	2 SETS OF #3 TIES AT 4" C/C TOP



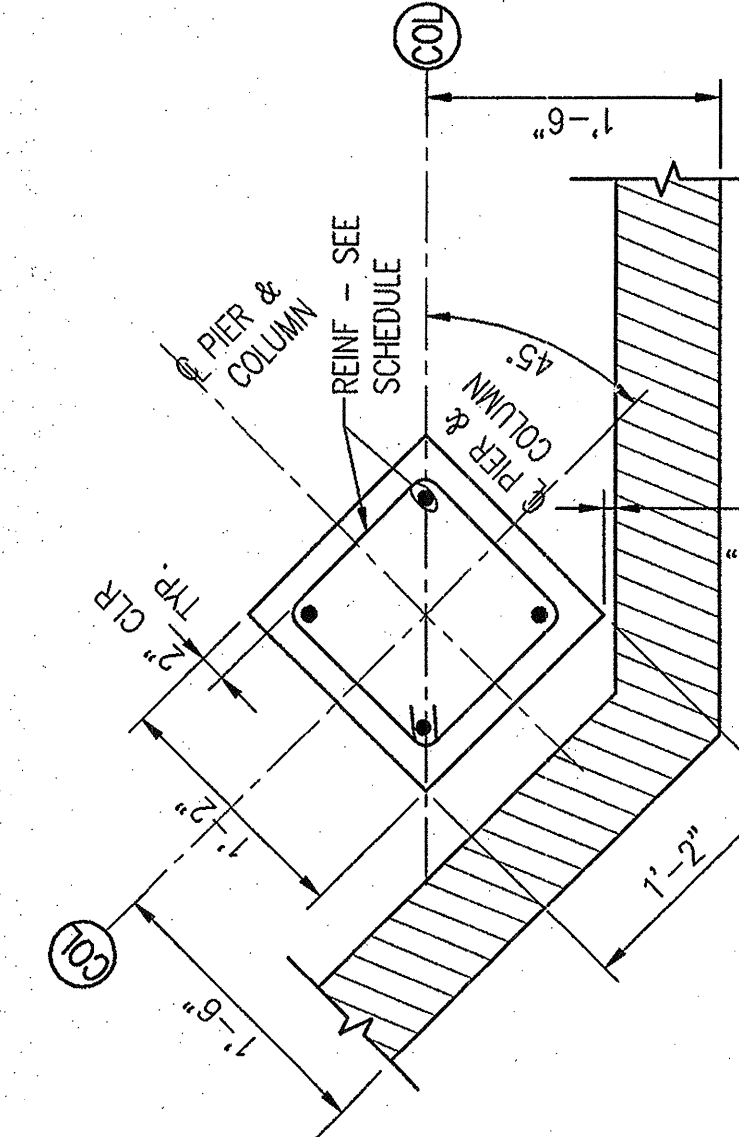
PIER DETAIL "P1"

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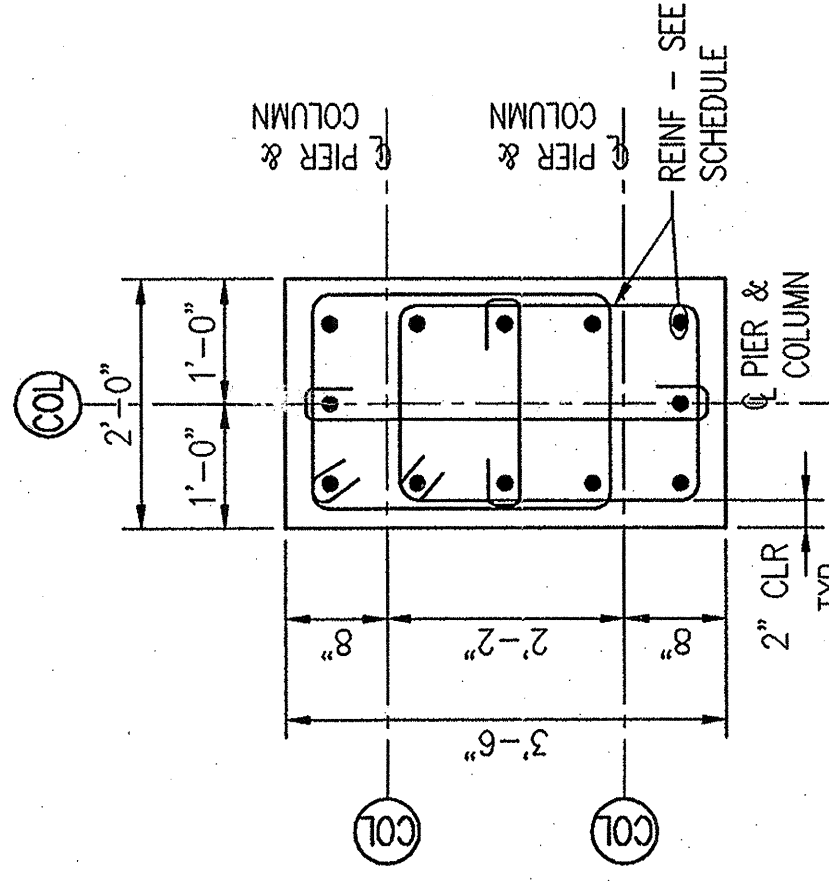
PIER DETAIL "P2"

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PIER DETAIL "P3"

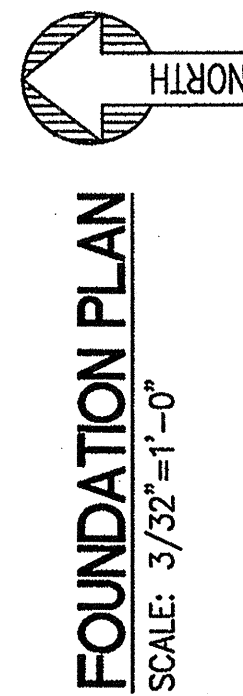
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PIER DETAIL "P4"

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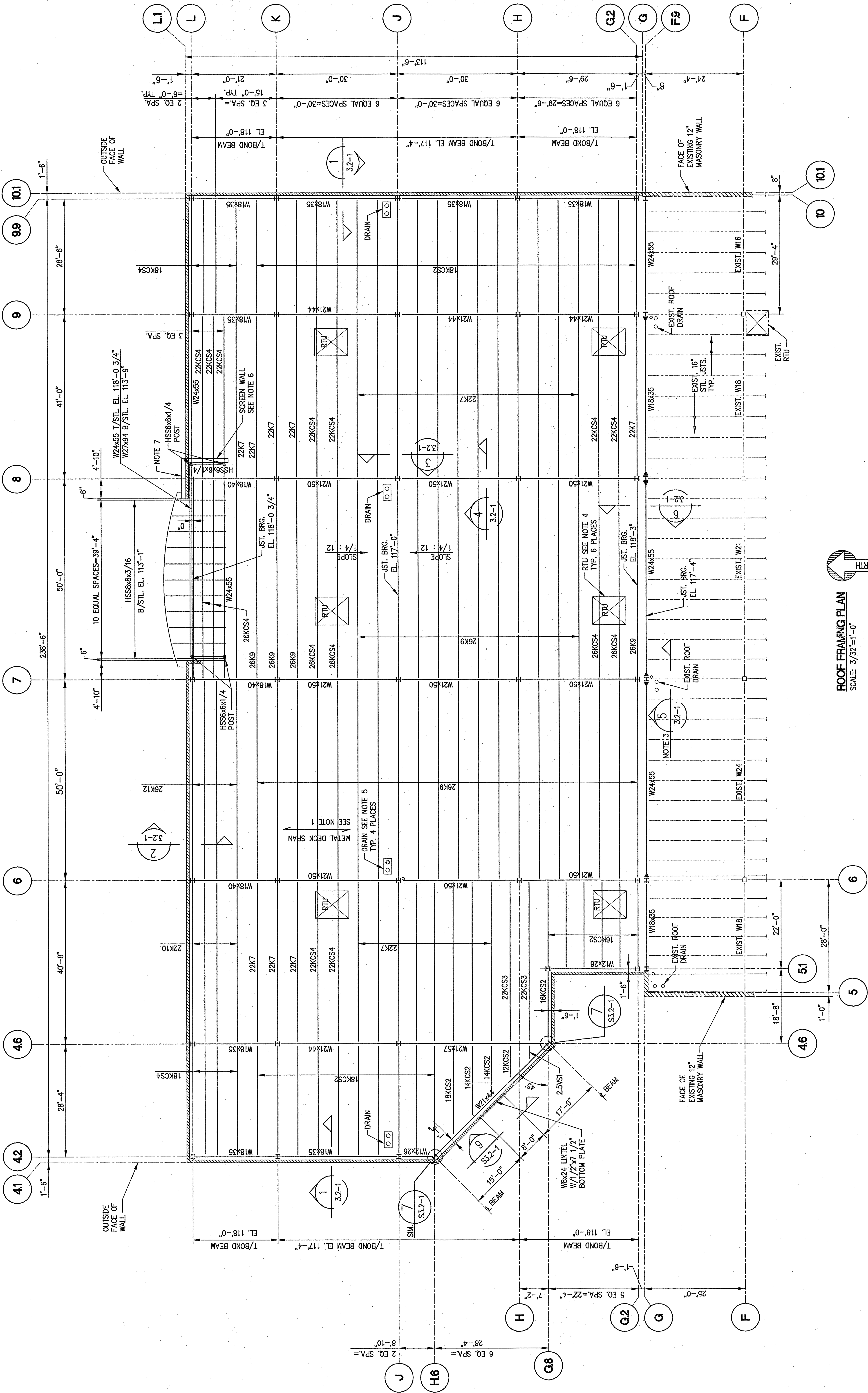
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- 4) THE NEW COLUMN SHALL BEAR ON EXISTING STRUT FOOTING WALL. 1/ EXISTING STRUT FOOTING BEARING IS APPROXIMATELY 98'-4" LEVEL. GROUT AND EPOXY ANCHOR COLUMN TO WALL. SEE COLUMN SCHEDULE.
- 5) GREEN WALL, REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION AND LENGTH OF WALL.
- 6) PROVIDE TWO CRASH COMPACTOR, SEE ARCH. DRAWINGS FOR LOCATION AND LENGTH.
- 7) DOCK LEVELER, PT. SECTION, CONFORM PT. SIZE WITH CERTIFIED MANUFACTURER'S DRAWINGS PRIOR TO FABRICATION. SEE ARCH. DRAWINGS FOR LOCATION.

2) WHERE THE NEW SLAB MEETS THE EXISTING SLAB PROVIDE 1/4" DIA. PLATE OF SMOOTH BAR DOWELS @ 18" O.C. CENTER BAR ON JOINT AND 1/2" DIA. OF SUBS. GREASE THE END OF THE DOWEL ALL THE EXISTING SLAB.

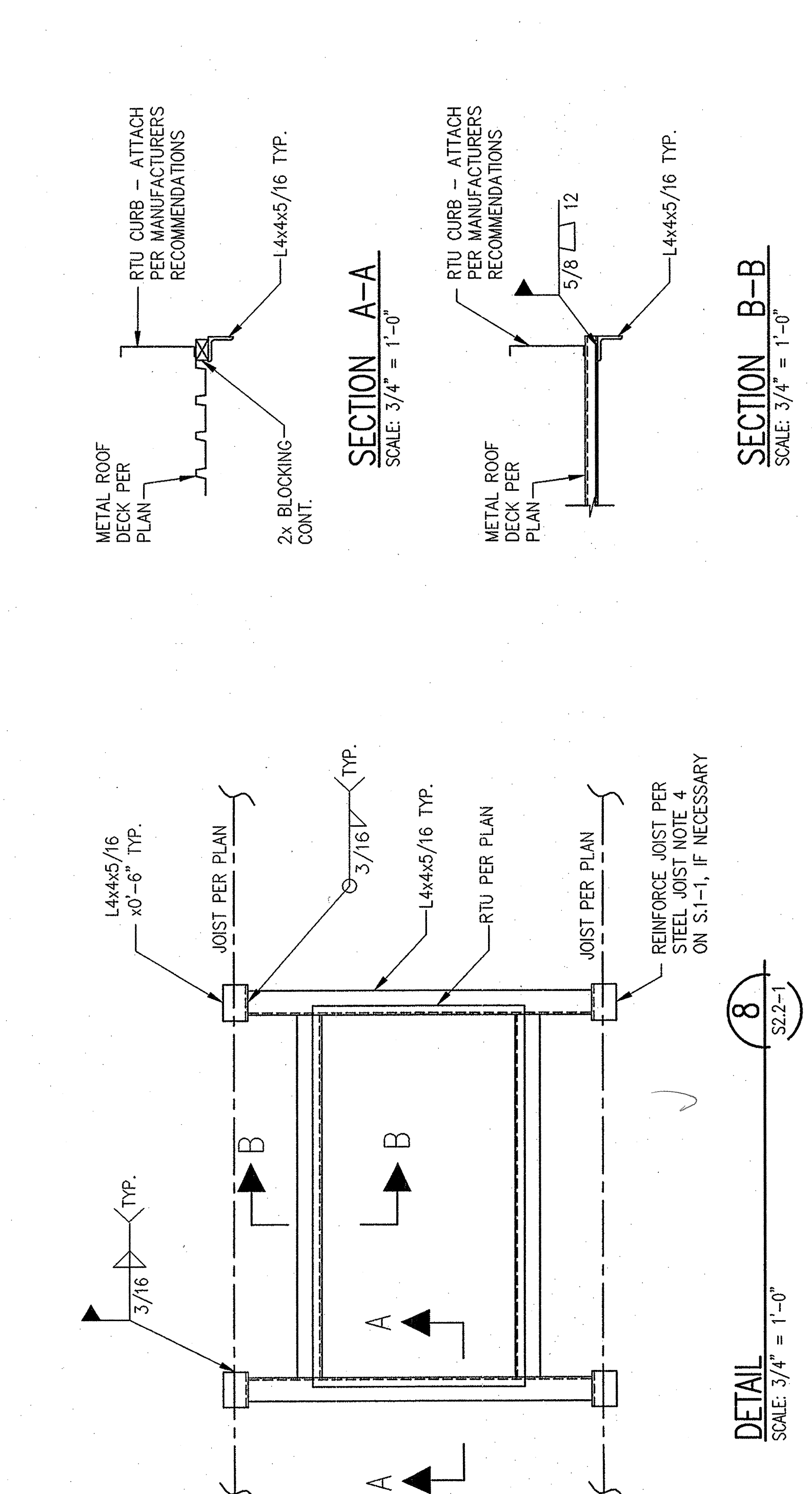
3) REMOVE SLAB AS NECESSARY TO INSTALL NEW FOOTING. REMOVE THE REMOVAL PACKAGE, SEE DRAWING SD11-1.



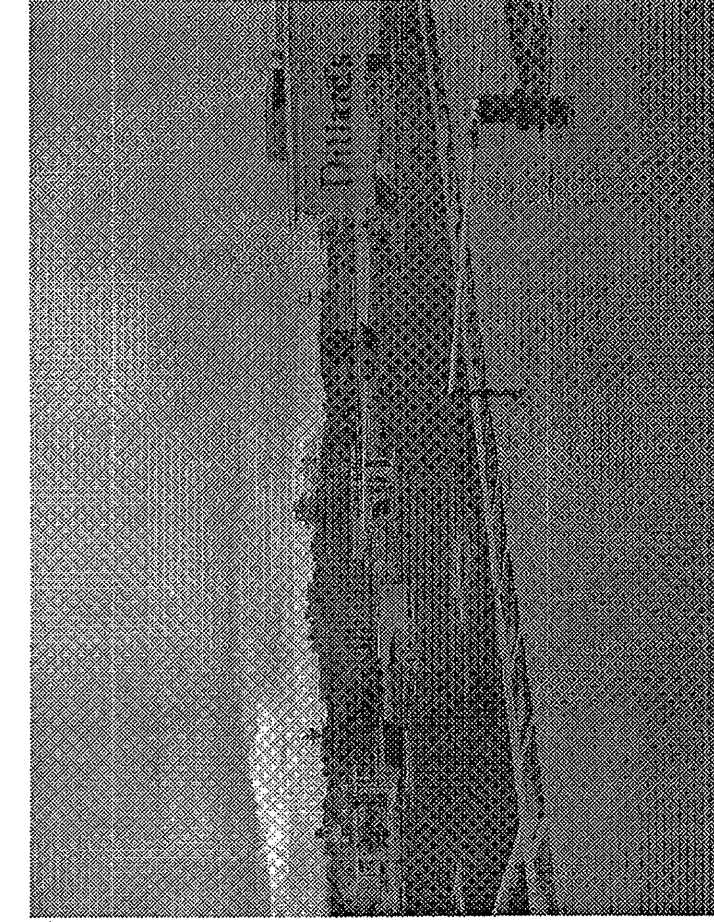
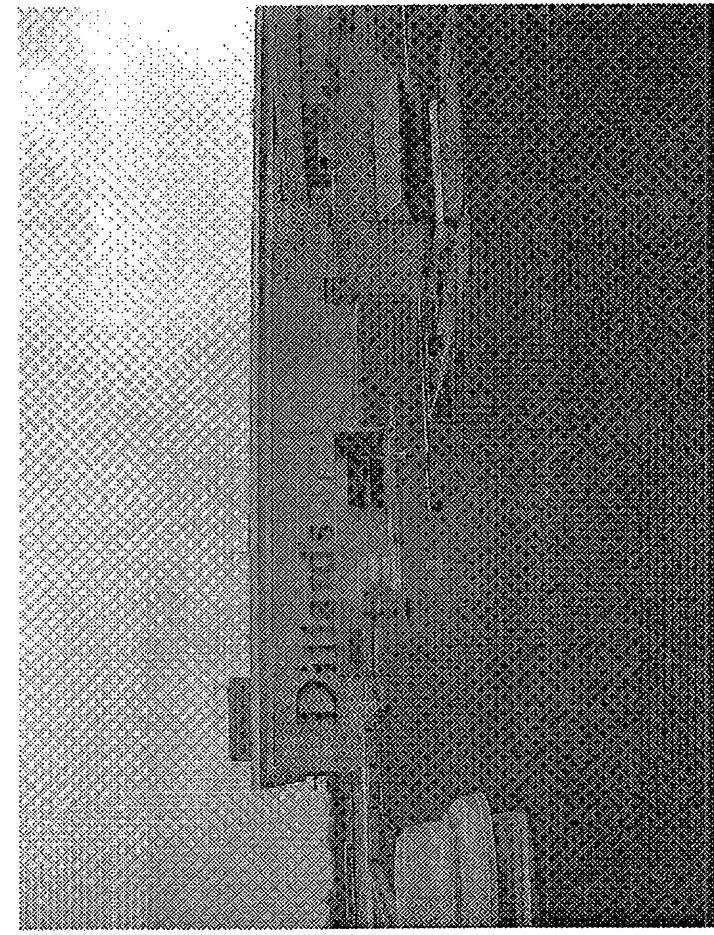
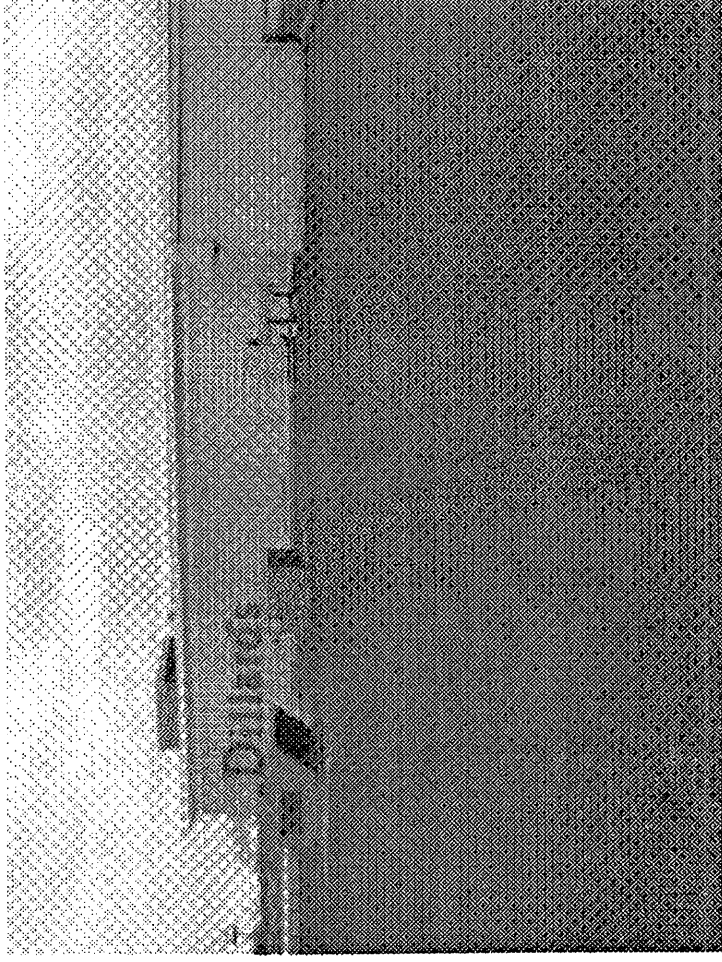
ROOF FRAMING PLAN NOTES:

1. 1/2"x22 GA. WIDE RIB GALVANIZED METAL ROOF DECK. FASTEN DECK PER SIPS W/ 5/8" DIA. PUDDLE WELDS (36/4 PATTERN). FASTEN SIDE LAPS W/ 3/#10 TEK SCREWS (EVENLY SPACED BETWEEN EACH JOINT).
2. FINISH FLOOR ELEVATION IS 100'-0".
3. ◀ DENOTES MOMENT CONNECTION PER SECTION 5/332-1.
4. PROVIDE FRAME FOR RTU'S PER DETAIL 6/332-1. NOTE PLACEMENT OF RTU'S MAY BE LOCATED AT ANY LOCATION ON KCS JUST.
5. PROVIDE ANGLE FRAMING FOR DRAINS AND OTHER SMALL ROOF PENETRATIONS PER STRUCTURAL STEEL NOTE 7 ON S11-1.
6. SCREEN WALL IS MADE OF C6"x1 5/8"x16 GA. METAL STUDS @ 16" O.C. PROVIDE 2-#10 TEK SCREWS @ 16" TO FASTEN THE TRACK TO THE METAL ROOF DECK. PROVIDE 1/8" FILLET WELD ATTACH STUD TO THE CHANNEL SUPPORT AT TOP. REFERENCE ARCH. DRAWING FOR FURTHER DETAIL.
7. METAL STUD WALL W/ THIN BRICK VENEER. SIZE METAL STUD TO FIT ARCH. DETAIL USE 18 GA. (MIN.) METAL STUDS. FASTEN STUD TO CMU WALL W/ 1/4" DIA. TAPCON SCREWS @ 16" REF. ARCH. DWGS.

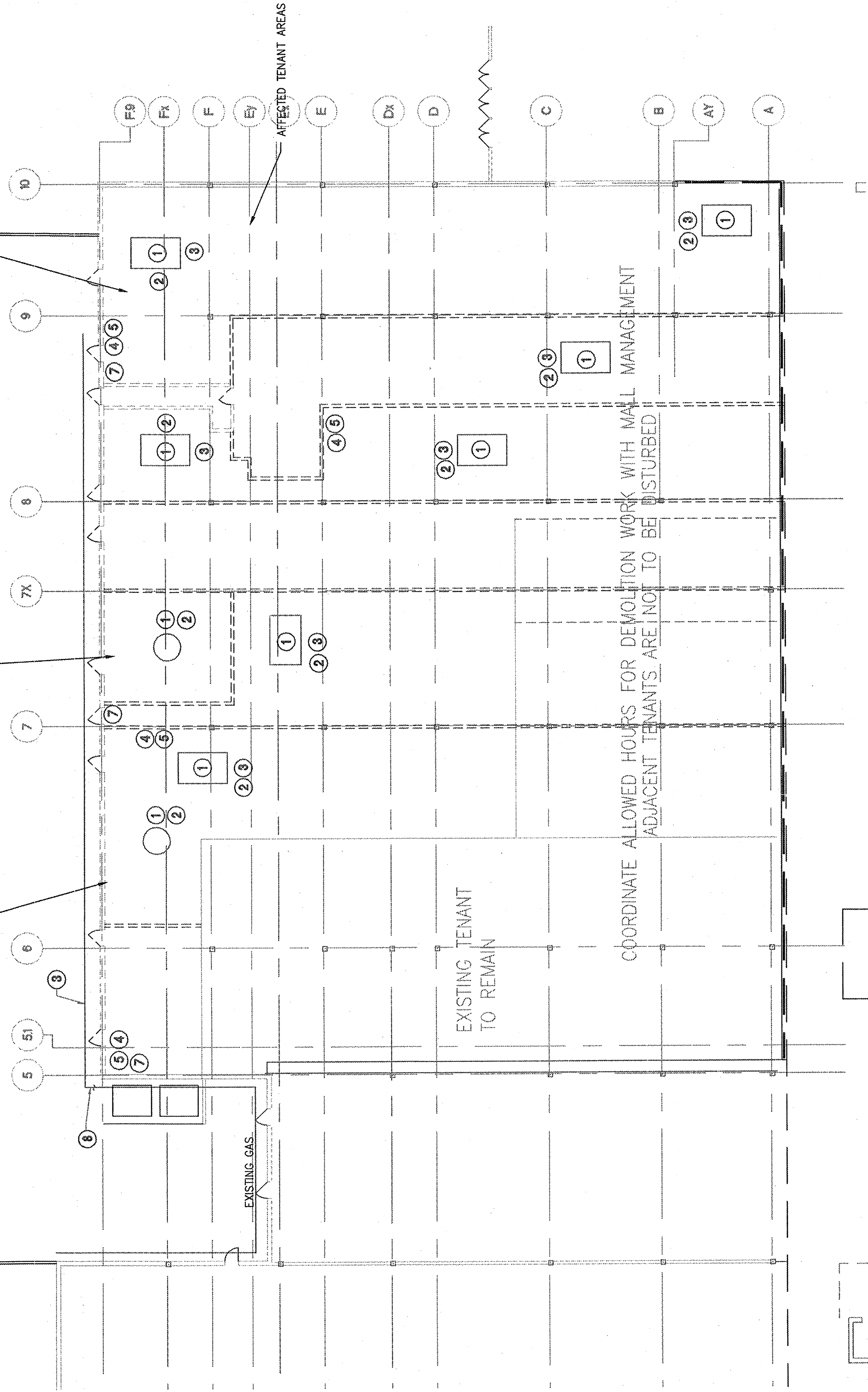
ROOF FRAMING PLAN
SCALE: $3/32"=1'-0"$



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Dillard's



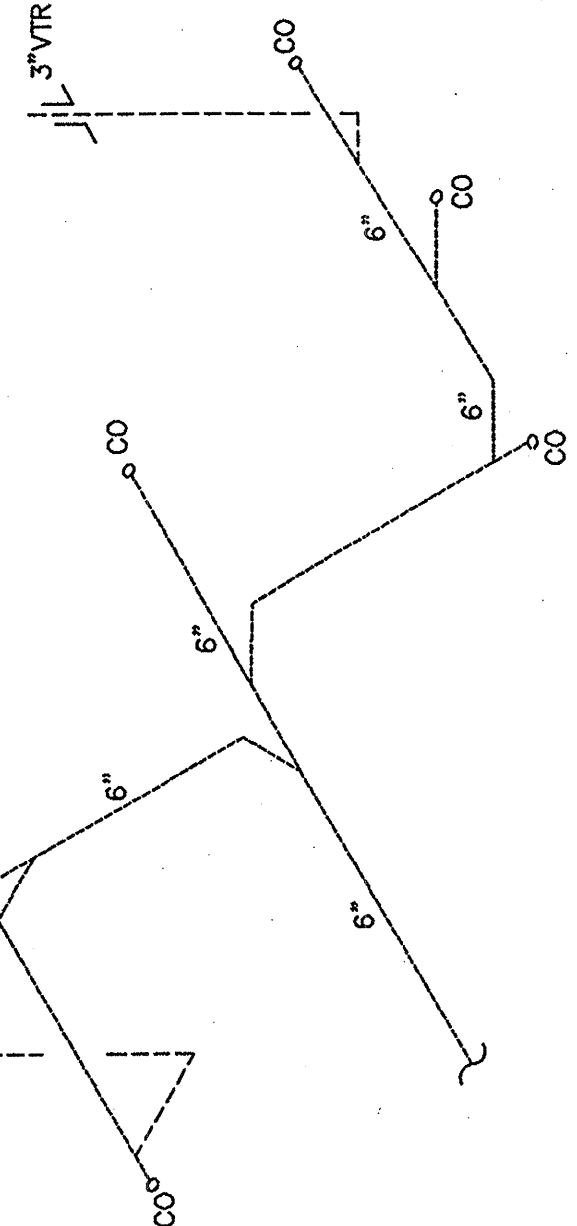
DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING ROOFTOP EQUIPMENT. DISPOSE OF EQUIPMENT PROPERLY.
2. DISCONNECT AND REMOVE EXISTING DUCTWORK AND DISPOSE OF PROPERLY.
3. DISCONNECT AND REMOVE EXISTING GAS PIPING AND ASSOCIATED GAS METERS. (ALL AFFECTED TENANT SPACES).
4. DISCONNECT AND REMOVE EXISTING WATER PIPING. (ALL AFFECTED TENANT SPACES).
5. DISCONNECT AND REMOVE ALL PLUMBING FIXTURES, WATER HEATERS AND PIPING. CAP SANITARY PIPING BELOW FINISHED FLOOR. (ALL AFFECTED TENANT SPACES).
6. DISCONNECT ANY VENTS THROUGH ROOF THAT ARE NO LONGER NEEDED.
7. EXISTING ROOF DRAIN TO REMAIN.
8. CUT AND TEMPORARILY CAP EXISTING GAS PIPING FOR CONNECTION OF NEW GAS PIPING FOR NEW TENANTS.

FIRE PROTECTION NOTES

1. PROVIDE NEW 8" FIRE PROTECTION SPRINKLER RISER WHERE SHOWN, SUPPLIED FROM THE EXISTING WATER PIPING SYSTEM. SPRINKLER RISER SHALL BE CONTROLLED WITH A WALL POST INDICATOR VALVE. CONTRACTOR SHALL VERIFY THE EXISTING FIRE PROTECTION REQUIREMENTS HAVE BEEN MET.

2. THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD 13, 2001 EDITION, AND LOCAL CODES, STATE AND LOCAL, SHALL APPLY TO ALL DESIGN AND WORK SHALL MEET THE REQUIREMENTS OF THE NFPA 13, 2001 EDITION, AND LOCAL CODES. EXISTING WATER PIPING SYSTEM SHALL BE MAINTAINED IN GOOD WORKING ORDER. NO PRIVATE AND THE FIRE INSURANCE CARRIER. NO PRIVATE FIRE PROTECTION VALVE SHALL BE OPERATED BY THE CONTRACTOR WITHOUT THE PERMISSION OF THE OWNER'S REPRESENTATIVE.



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NO SCALE

NOTES:

- 1. NEW 15 TON ROOF TOP UNIT. 1500 CFM O.A., 280 MBH NATURAL GAS INPUT, 208 MBH OUTPUT, 186 MBH TOTAL COOLING, 186 MBH TOTAL HEATING. UNIT SHALL BE INSTALLED WITH ROOF CURB, UNIT MOUNTED RECEPTABLE, AND RETURN AIR SMOKE DETECTOR.
- 2. REPLACE EXISTING 6\"/>
- 3. CONNECT NEW 2\"/>
- 4. EXISTING ROOF DRAIN TO REMAIN.
- 5. EXISTING 8\"/>
- 6. EXISTING 5\"/>
- 7. GAS METER. ROUTE VENT THROUGH ROOF
- 8. 4\"/>
- 9. 8\"/>
- 10. 3\"/>
- 11. 3\"/>
- 12. WATER METER AT FLOOR
- 13. CURB BOXES (TYP.4)

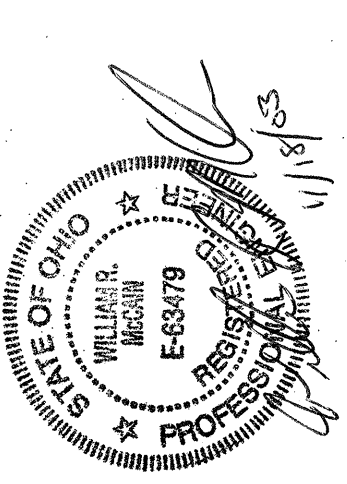
1. NEW 15 TON ROOF TOP UNIT. 1500 CFM O.A., 280 MBH NATURAL GAS INPUT, 208 MBH OUTPUT, 186 MBH TOTAL COOLING, 186 MBH TOTAL HEATING. UNIT SHALL BE INSTALLED WITH ROOF CURB, UNIT MOUNTED RECEPTABLE, AND RETURN AIR SMOKE DETECTOR.



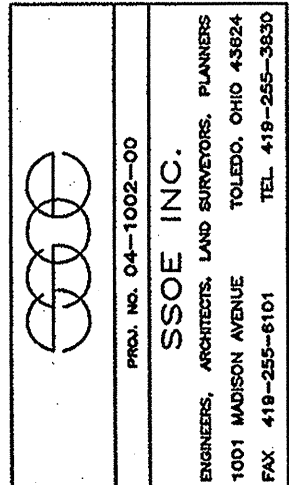
WESTFIELD DESIGN & CONSTRUCTION
11601
Floor Los Angeles, California
90025-1748
Telephone 310 478 4456
Fax 310 478 4466

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Registration No.



Consultants



WESTFIELD DESIGN & CONSTRUCTION
11601
Floor Los Angeles, California
90025-1748
Telephone 310 478 4456
Fax 310 478 4466

Approvals:

Key Plan:

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Sheet Title
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M2.1-1

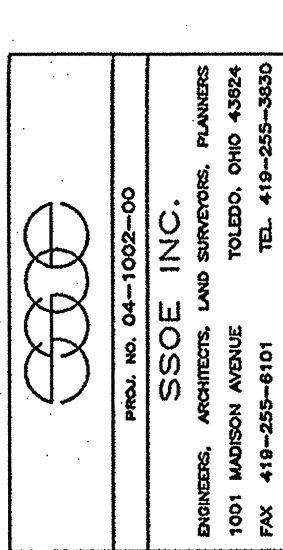
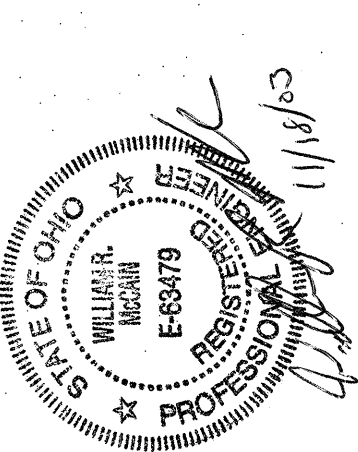
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MECHANICAL PLAN

SCALE: 3/32"=1'-0"

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MATCHLINE
FOR CONTINUATION SEE DRAWING M2.2-1

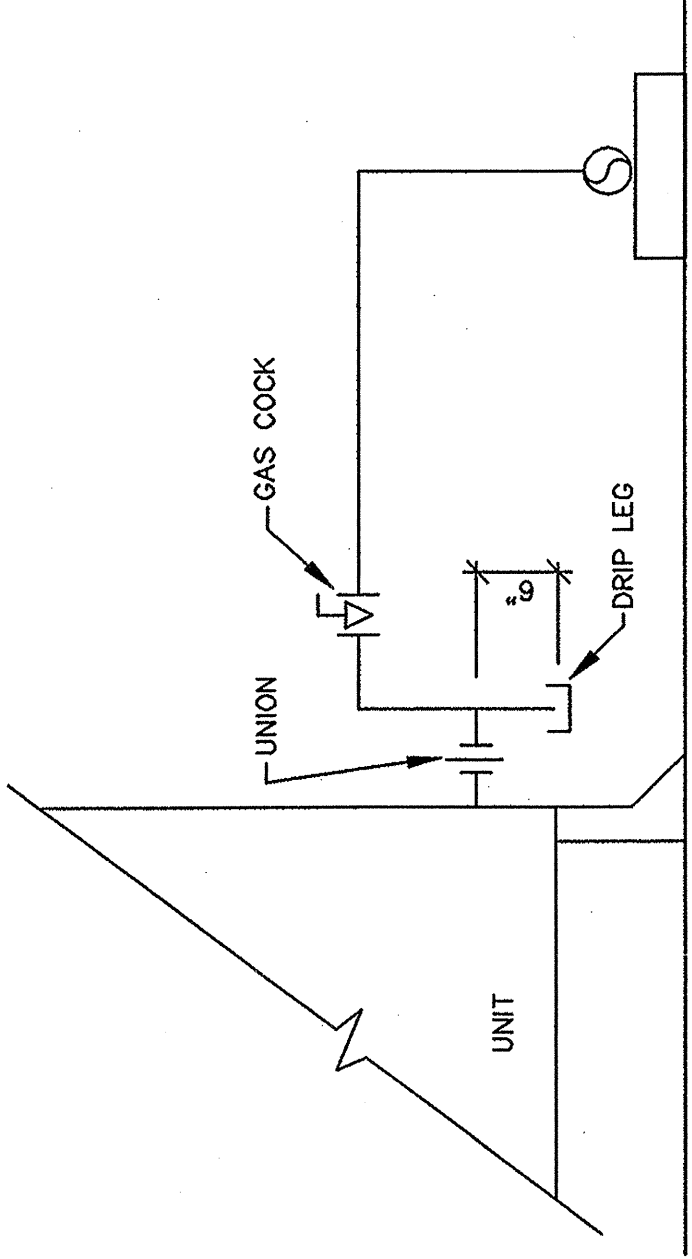


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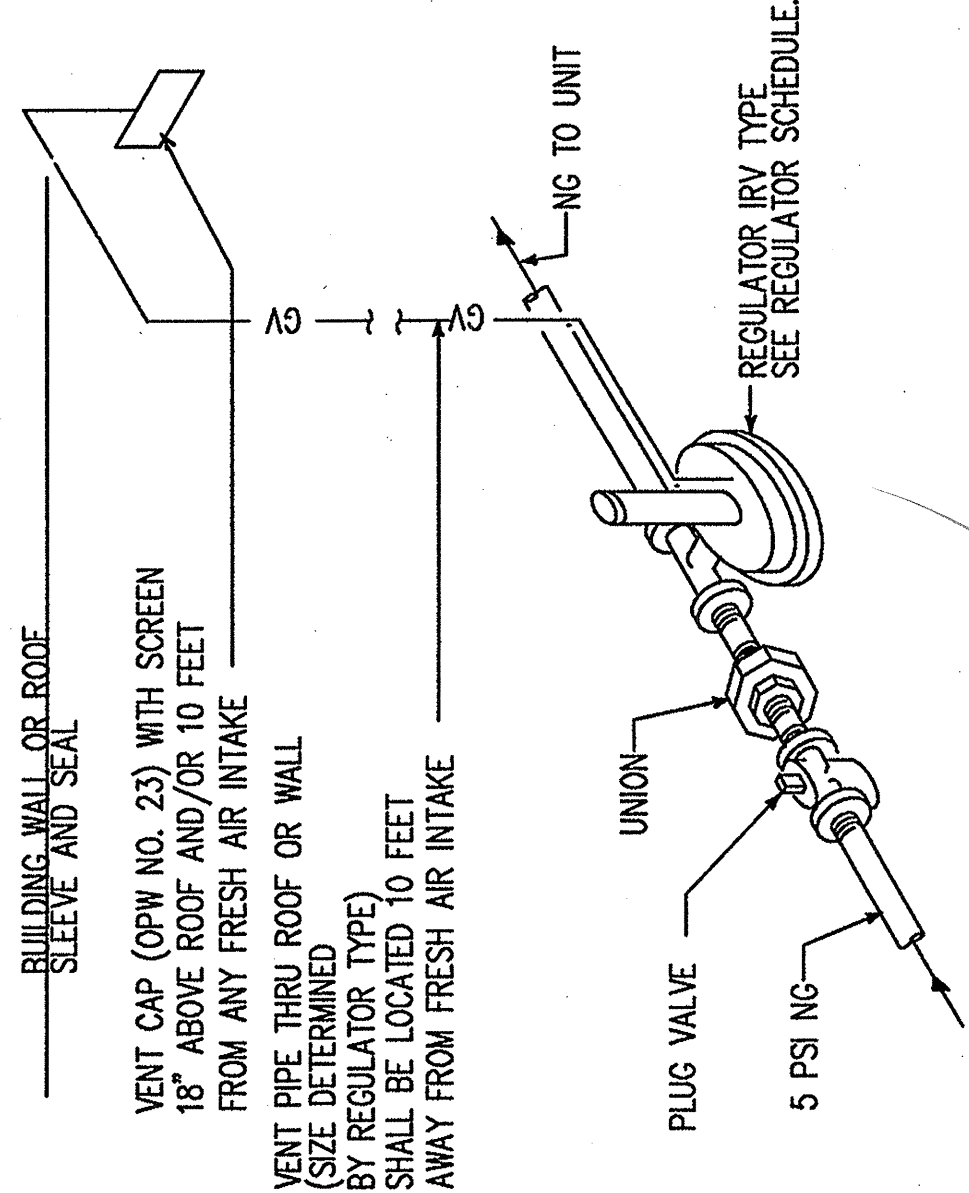
Sheet Title
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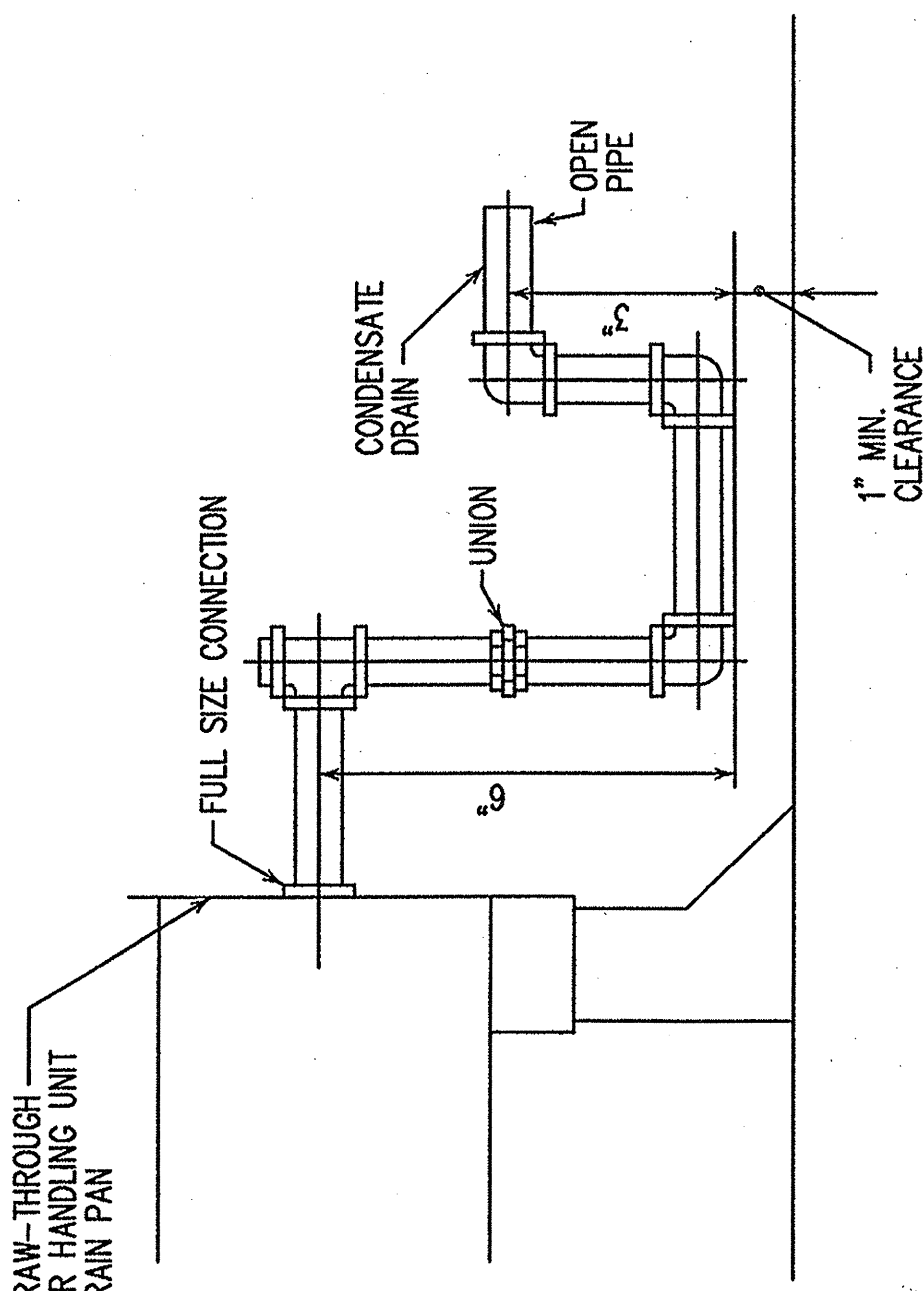
- NOTES:
- NEW 15 TON ROOFTOP UNIT
EQUAL TO LENNOX MODEL LC1605, 6000 CFM,
1500 CFM ON 200 MBH NATURAL GAS INPUT,
2300 CFM ON 200 MBH NATURAL GAS INPUT,
135 MBH SENSIBLE COOLING, 480V, 3 PH,
WITH ROOF CURB UNIT MOUNTED RECEPTACLE
AND RETURN AIR SMOKE DETECTION.
 - 1" GAS LINE STUBBED INTO TENANT SPACE,
VALVED AND CAPPED, WITH GAS METER.
 - CONNECT NEW 1" GAS LINES TO EXISTING GAS
MAIN LOCATED ON BUILDING WALL.
 - NEW ROOFTOP UNIT. LOCATE OVER EXISTING
ROOF OPENINGS. MODIFY ROOF OPENINGS AS
REQUIRED. FIELD VERIFY LOCATION.
 - 3/4" WATER LINE STUBBED UP INTO TENANT
SPACE WITH VALVE AND METER AT FLOOR.



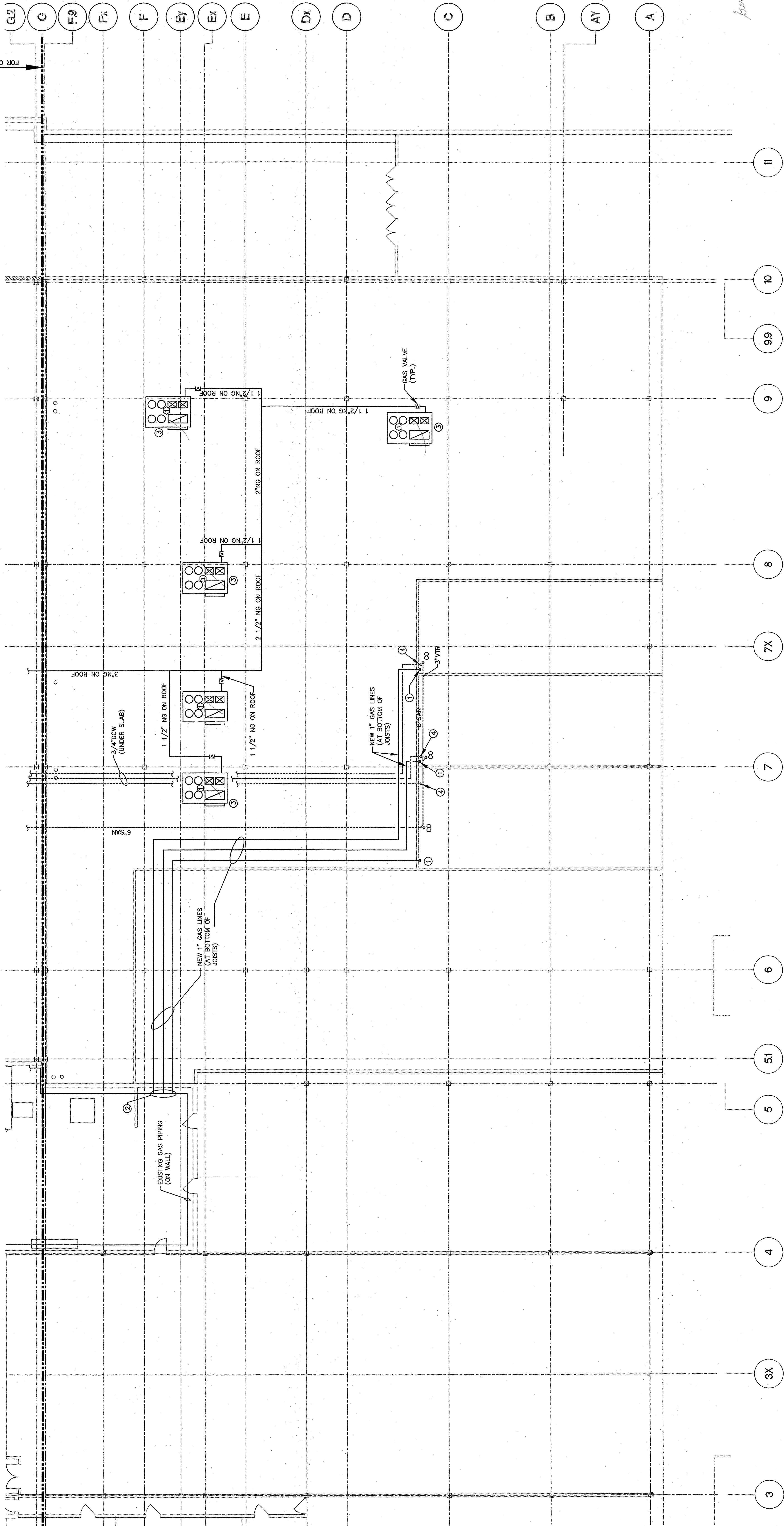
RTU GAS CONNECTION DETAIL
NO SCALE
M01
M02



GAS REGULATOR VENT PIPING
NO SCALE
M02



CONDENSATE DRAIN TRAP DETAIL FOR RTU'S
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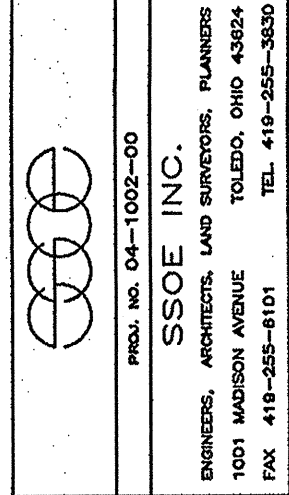
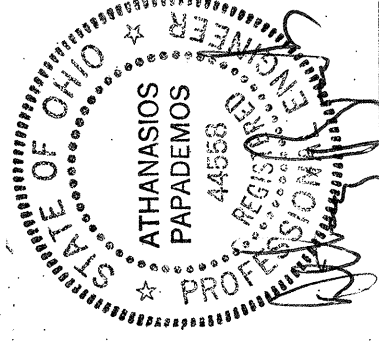
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