

**ADDENDUM NUMBER 1
BID NUMBER IFB 23-020**

Summer Roofing Projects 2024

ISSUED: December 21, 2023

**PURCHASING DEPARTMENT
UNIFIED SCHOOL DISTRICT 500
2010 N. 59th STREET, ROOM 370
KANSAS CITY, KANSAS 66104
913-551-3200**

Note the following changes to the above-mentioned bid. This information is to be taken into consideration when responding to the original bid document.

You are instructed to read and note the following described changes, corrections, clarifications, omissions, deletions, additions, approvals, and statements pertinent to the Construction Documents.

Addendum No. 1 is a part of the Contract Bid and Construction Documents and shall govern the performance of the Work.

I. General Information

- A. Submit the attached Revised Bid Form for F.L. Schlagle High School.
 - 1. The panel size has been changed under the Unit Prices for Tectum Deck Repair.
- B. Submit the attached Revised Bid Form for Stony Point North Elementary.
 - 1. The Time of Completion date has changed from July 12th to July 19th.

II. Scope of Work Additions, Changes, and Deletions

- A. Delete item 1.3, C., 1., d., 2), under Summary on page 2.
- B. Change the gravel surface type on all projects from Kunshek to “ASTM D1863/D1863M, No. 6 or 67, clean, dry, opaque, water-worn, gravel, free of sharp edges”.

- C. F.L Schlagle High School
1. Contractor shall be responsible for covering gym floor and bleachers with plastic sheets/tarps as needed to eliminate debris, during the roofing process, from covering the floor and bleachers.
 - a) After the roofing project is complete, the contractor shall be responsible for thoroughly clean the gym floor and bleaches to a broom finish.
- D. John Fiske Elementary School
1. Attached are As-Built-Drawings as requested during the pre-bid meeting.
 2. Add to the scope of work to remove and reinstall three exterior lights on the vertical metal panels.
 - a) Contractor shall use Core Electric to complete the light removal and reinstallation as needed to complete the specified work.
 - b) Two lights are located on the east side of Roof 2.
 - c) One light is located over the north door under Roof 1.
 3. The downspouts on the north side of Roof 1 must be reconnected to the below grade piping.
 4. The colored metal behind the existing downspouts shall be removed and replaced with matching Dark Bronze metal. Match same shape and size.
 5. Roof 10
 - a) Deck structure is gypsum not metal.
 - i) Delete item 1.3, C., 3., c., 3).
 - ii) Add – Mechanically fasten a trilaminate base sheet over gypsum deck to meet the local building code wind uplift requirements.
 - b) The new metal to cover the coping and bottom trim shall provide a radiused Pittsburg detail. The district will not accept little metal pieces to make up the radius.
- E. Stony Point North Elementary School
1. New metal color shall be Tremco Mansard Brown.
 2. Change Item 1.3, C., 4., a., 22), a), to read: “Expansion joint height shall remain consistent out to the east and west raised edge details. Provide matching end caps that terminate over the new raised edge metal detail and that are approved by the owner and roofing material manufacturer.”

WE HEREBY ADKNOWLEDGE AND UNDERSTAND THE ABOVE NOTED CHANGES TO THE ORIGINAL BID DOCUMENT AND AGREE TO FURNISH THE ITEMS ON WHICH PRICES ARE QUOTED IN ACCORDANCE WITH ALL TERMS AND CONDITIONS PREVIOUSLY LISTED AND ANY ATTACHED SPECIFICATIONS AND AMENDMENTS.

BY: _____ DATE: _____

TITLE: _____ PHONE: _____

FIRM: _____

DOCUMENT 00411 –REVISED BID FORM

USD #500
2024 – F.L. Schlagle High School
Kansas City, Kansas

Bidder: _____
(Bidder enter name here)

BASE BID OR ALTERNATE BID, SINGLE-PRIME (ALL TRADES) CONTRACT

The undersigned Bidder, having carefully examined the Bidding and Contract Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda's, all as issued by the Owner, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material (other than roofing material listed on Attachment A), labor, equipment and services as described in the above documents, without exception, including all scheduled Allowances if any, necessary to complete the specified work.

USD #500 shall purchase all roofing material supplied by the primary roofing material manufacturer as listed in Attachment A. The Bidder shall provide Attachment A with their bid, verifying quantities required to complete this project as specified. All materials not listed on Attachment A shall be the responsibility of the Bidder. The cost for the items listed on Attachment A shall not be included in Bidders Base Bid or Alternate price. Failure to provide the mandatory Attachment A with verified quantities will render your bid non-responsive.

Single Prime (All trades) Contract for the above-named Project, in accordance with the requirements of the Bidding Documents, for the sum of:

BASE BID

1. F.L. Schlagle High School
Roof Replacement – Roof 1 \$ _____

UNIT PRICES

- 1. Wood Blocking Replacement \$ _____ per board foot
- 2. Tectum Deck Repair \$ _____ per 2" x 3' x 4' panel
- 3. 18-gauge Metal – Flat stock \$ _____ per square foot

WORKING DAYS

Days to complete 100% of work specified _____ Working Days
 Anticipated days for roofers _____ Working Days
 Anticipated days for sheet metal _____ Working Days

BONDING

Bid shall be accompanied by an acceptable bid bond or certified cashier's check drawn on a local bank, payable to Treasurer, Board of Education, for an amount not less than five percent of the total amount of the bid. This bid security shall become the property of the Board of Education as liquidated damages in the event the successful bidder fails to execute and deliver a contract, along with specified surety and statutory bonds, within ten days after the received notice of the acceptance of his bid by the Board of Education.

The undersigned Bidder agrees to furnish a Payment & Performance Bond, in the amount of 100% of total contract value after receipt of contract.

TIME OF COMPLETION

The undersigned Bidder proposes and agrees hereby to commence the Work of these Contract Documents as weather allows, and after school is dismissed in May of 2024, and shall complete 100% of the Roofing and Sheet Metal Work no later than August 4, 2024. Work is defined as continuous daily roofing related activities as provided in this specification. If Work cannot be started or completed within specified timeframe, contractor shall provide immediate repairs to stop or minimize leaks until work is completed and shall pay as a late fee the sum of \$1,500 for each consecutive calendar day that work is not started or completed thereafter.

The district reserves the right to cancel the contract if the contractor has not started the work by June 7, 2024. All cost associated with the cancelling of the contract shall be the responsibility of the contractor, including any cost associated with returning materials purchased by the district.

If contractor fails to complete the work by August 4, 2024, all remaining work must be completed on weekends or holidays, and the District shall deduct \$1,500 per day from the contract until work is 100% complete.

ACKNOWLEDGEMENT OF ADDENDA

The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

Addendum No. 1, dated _____

Addendum No. 2, dated _____

Addendum No. 3, dated _____

CONTRACTOR'S LICENSE

The undersigned further states that he is a duly licensed Contractor, for the type of work proposed, in the State of Kansas, and that all fees, permits, etc., pursuant to the submission of this proposal will be paid in full.

SUBMISSION OF BID

Respectfully submitted this ____ day of _____, 2024

By: _____
(Name of bidding firm or corporation)

Witness:

By: _____
(Signature)

Attest: _____
(Signature)

(Type or print name)

By: _____
(Type or print name)

Title: _____
(Owner/Partner/President/Vice Pres.)

Title: _____
(Corporate Secretary or Assistant Secretary Only)

Address: _____

Phone: _____

License: _____

(Affix Corporate Seal Here)

Federal ID No.: _____

ATTACHMENT A
USD #500 – 2024 ROOFING PROJECT
F.L. Schlagle High School – Roof 1

<u>Products</u>	<u>Material Size & Container</u>	<u>Material Quantity</u>	
Alumanation 301	5-gallon bucket	8	buckets
Burmastic Adhesive	50-gallon barrels - lined	35	barrels
Burmastic Composite Ply HT	20 rolls per pallet - 2/sq/roll	160	rolls
Burmastic Glass Ply 33-lbs.	20 rolls per pallet – 2/sq/roll	240	rolls
Burmesh	6” x 300’ rolls	4	rolls
ELS	5-gal buckets	36	buckets
Premium IV Asphalt	24 cartons per pallet	192	cartons
Sheeting Bond Black	5-gallon bucket	15	buckets
TRA Flashing	30” x 50’ roll	11	rolls
TremPrime QD	5-gallon bucket	2	buckets
TremSeal Pro – Black	30 tubes per case	1	cases
TremTread Walkway Panel	3’ x 4’ per panel	15	panels

Contractor Name: _____

Project Size: _____ square feet

END OF SECTION 00411

DOCUMENT 00411 –REVISED BID FORM

USD #500
2024 – Stony Point Elementary School
Kansas City, Kansas

Bidder: _____
(Bidder enter name here)

BASE BID OR ALTERNATE BID, SINGLE-PRIME (ALL TRADES) CONTRACT

The undersigned Bidder, having carefully examined the Bidding and Contract Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda's, all as issued by the Owner, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material (other than roofing material listed on Attachment A), labor, equipment and services as described in the above documents, without exception, including all scheduled Allowances if any, necessary to complete the specified work.

USD #500 shall purchase all roofing material supplied by the primary roofing material manufacturer as listed in Attachment A. The Bidder shall provide Attachment A with their bid, verifying quantities required to complete this project as specified. All materials not listed on Attachment A shall be the responsibility of the Bidder. The cost for the items listed on Attachment A shall not be included in Bidders Base Bid or Alternate price. Failure to provide the mandatory Attachment A with verified quantities will render your bid non-responsive.

Single Prime (All trades) Contract for the above-named Project, in accordance with the requirements of the Bidding Documents, for the sum of:

BASE BID

1. Stony Point Elementary School
Roof Replacement – Roof 4 \$ _____

UNIT PRICES

- 1. Wood Blocking Replacement \$ _____ per board foot
- 2. Concrete Deck Repair \$ _____ per cubic foot
- 3. 18-gauge Metal – Flat stock \$ _____ per square foot

WORKING DAYS

Days to complete 100% of work specified _____ Working Days
 Anticipated days for roofers _____ Working Days
 Anticipated days for sheet metal _____ Working Days

BONDING

Bid shall be accompanied by an acceptable bid bond or certified cashier's check drawn on a local bank, payable to Treasurer, Board of Education, for an amount not less than five percent of the total amount of the bid. This bid security shall become the property of the Board of Education as liquidated damages in the event the successful bidder fails to execute and deliver a contract, along with specified surety and statutory bonds, within ten days after the received notice of the acceptance of his bid by the Board of Education.

The undersigned Bidder agrees to furnish a Payment & Performance Bond, in the amount of 100% of total contract value after receipt of contract.

TIME OF COMPLETION

The undersigned Bidder proposes and agrees hereby to commence the Work of these Contract Documents as weather allows, and after school is dismissed in May of 2024, and shall complete 100% of the Roofing work no later than July 19, 2024, and Sheet Metal Work no later than August 4, 2024. Work is defined as continuous daily roofing related activities as provided in this specification. If Work cannot be started or completed within specified timeframe, contractor shall provide immediate repairs to stop or minimize leaks until work is completed and shall pay as a late fee the sum of \$1,500.00 for each consecutive calendar day that work is not started or completed thereafter.

The district reserves the right to cancel the contract if the contractor has not started the work by June 7, 2024. All cost associated with the cancelling of the contract shall be the responsibility of the contractor, including any cost associated with returning materials purchased by the district.

If contractor fails to complete the Roofing work by July 19, 2024, and/or the Sheet Metal work by August 4, 2024, all remaining work must be completed on weekends or holidays, and the District shall deduct \$1,500.00 per day from the contract until work is 100% complete.

ACKNOWLEDGEMENT OF ADDENDA

The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

Addendum No. 1, dated _____

Addendum No. 2, dated _____

Addendum No. 3, dated _____

CONTRACTOR'S LICENSE

The undersigned further states that he is a duly licensed Contractor, for the type of work proposed, in the State of Kansas, and that all fees, permits, etc., pursuant to the submission of this proposal will be paid in full.

SUBMISSION OF BID

Respectfully submitted this ____ day of _____, 2024

By: _____
(Name of bidding firm or corporation)

Witness:

By: _____
(Signature)

Attest: _____
(Signature)

(Type or print name)

By: _____
(Type or print name)

Title: _____
(Owner/Partner/President/Vice Pres.)

Title: _____
(Corporate Secretary or Assistant Secretary Only)

Address: _____

Phone: _____

License: _____

(Affix Corporate Seal Here)

Federal ID No.: _____

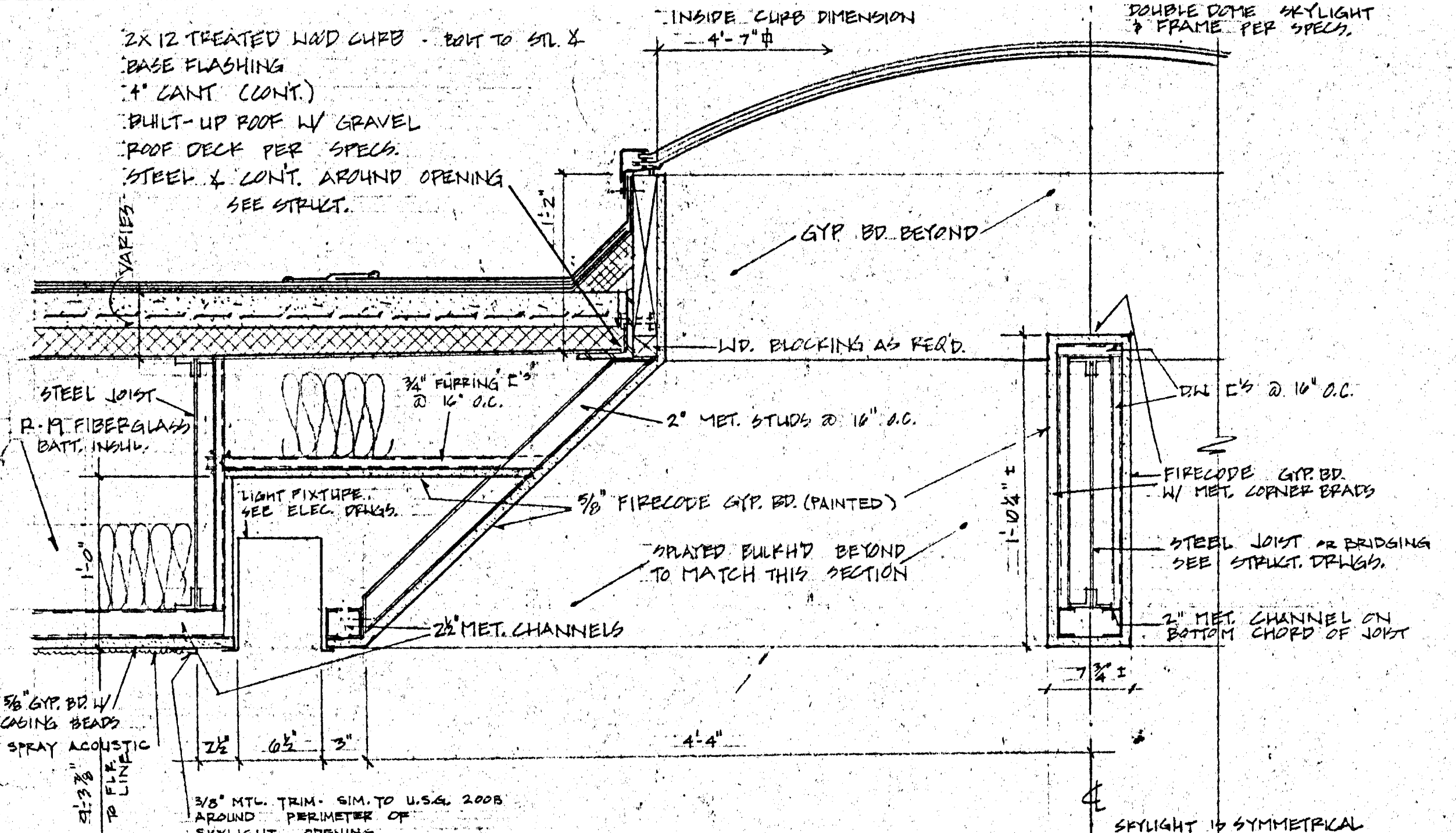
ATTACHMENT A
USD #500 – 2024 ROOFING PROJECT
Stony Point North Elementary School – Roof 4

<u>Products</u>	<u>Material Size & Container</u>	<u>Material Quantity</u>	
Alumanation 301	5-gallon bucket	10	buckets
Thermastic 80 Adhesive	9 cartons per pallet	34	pallets
Burmastic Composite Ply HT	20 rolls per pallet - 2/sq/roll	140	rolls
THERMglass Premium Type VI	25 rolls per pallet – 5/sq/roll	80	rolls
Burmesh	6” x 300’ rolls	2	rolls
ELS	5-gal buckets	36	buckets
Premium IV Asphalt	24 cartons per pallet	192	cartons
Sheeting Bond Black	5-gallon bucket	13	buckets
TRA Flashing	20” x 50’ roll	5	rolls
TRA Flashing	30” x 50’ roll	9	rolls
TremPrime QD	5-gallon bucket	12	buckets
TremSeal Pro – Bronze	30 tubes per case	2	cases
TremTread Walk Panel	3’ x 4’ per panel	25	panels

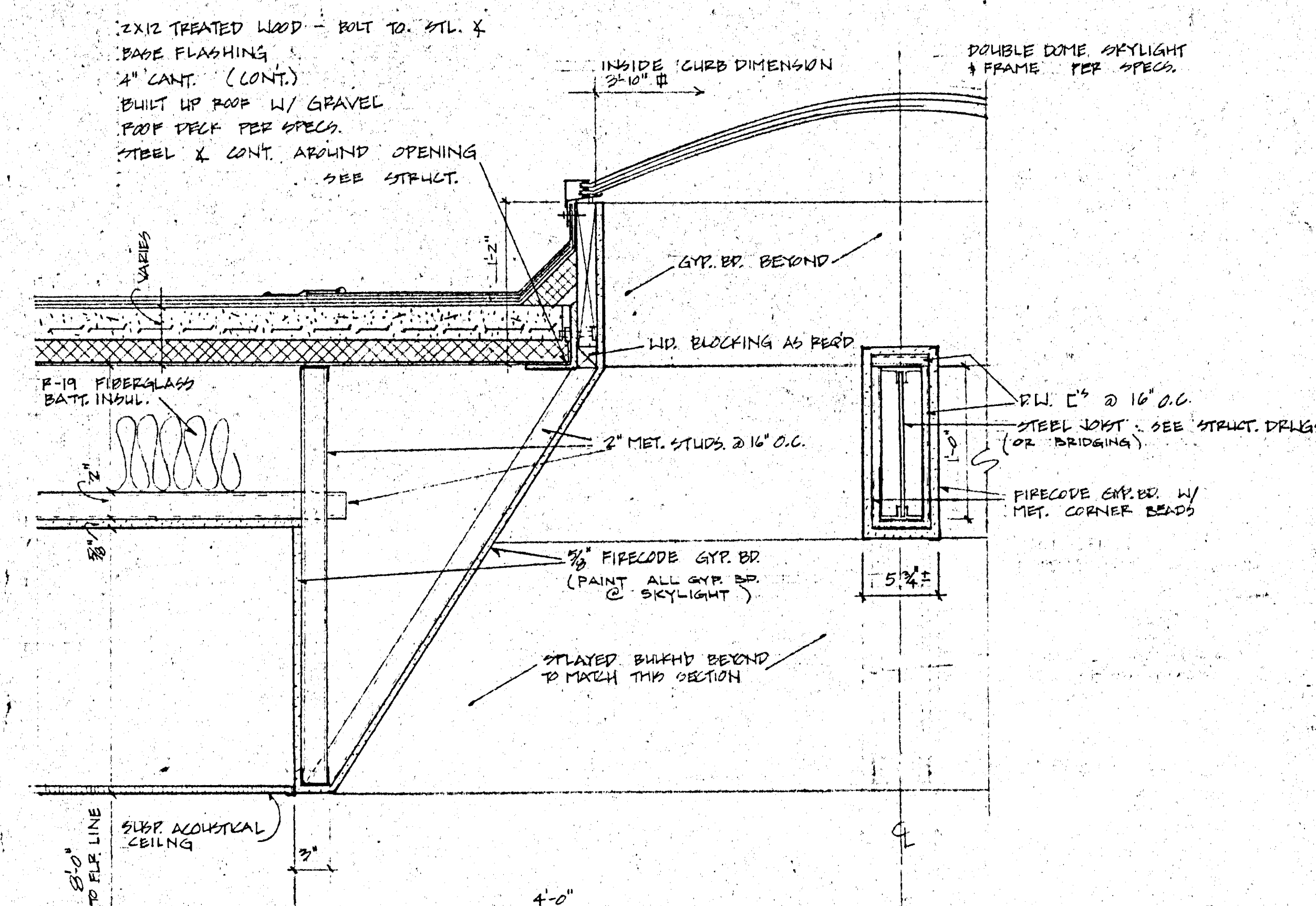
Contractor Name: _____

Project Size: _____ square feet

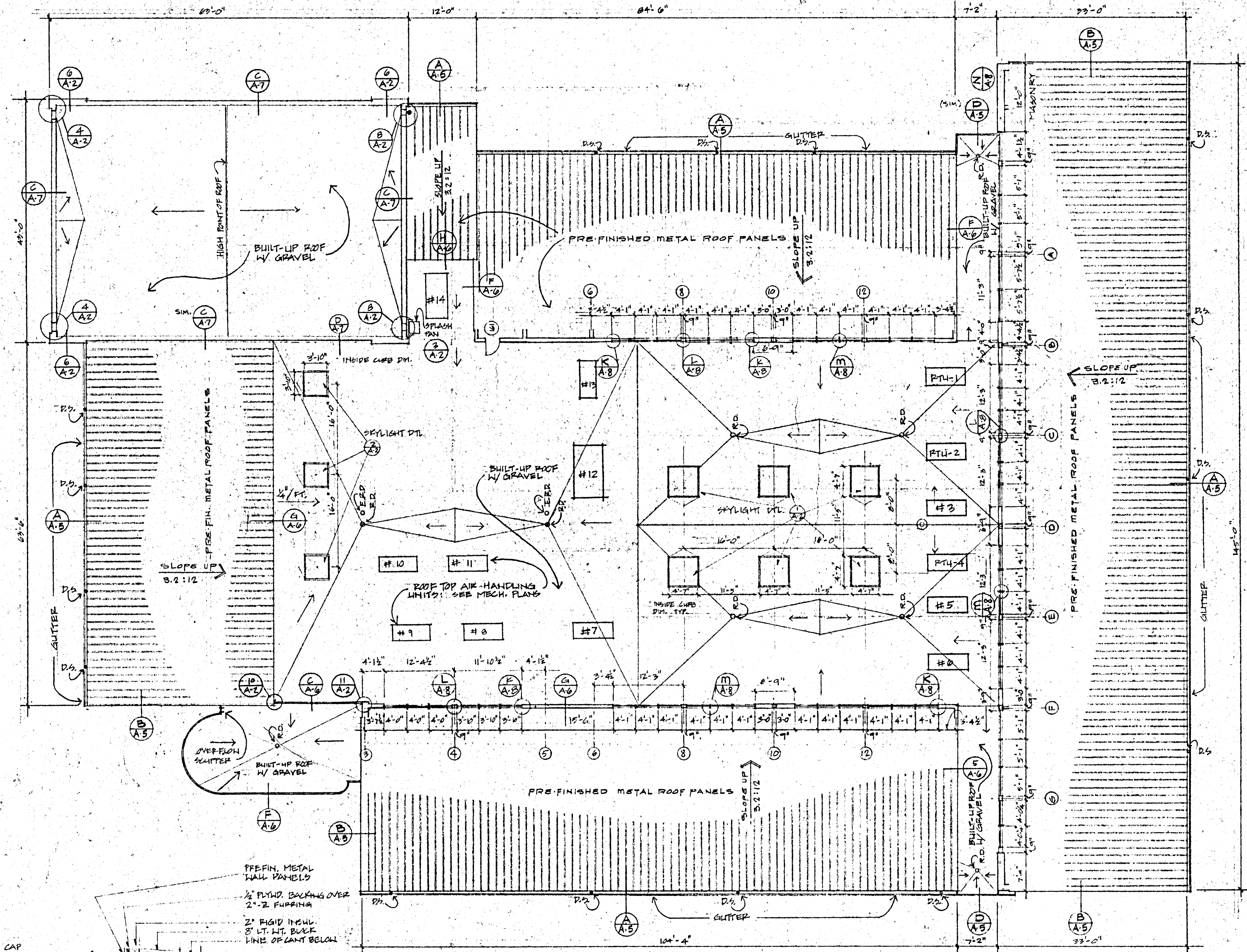
END OF SECTION 00411



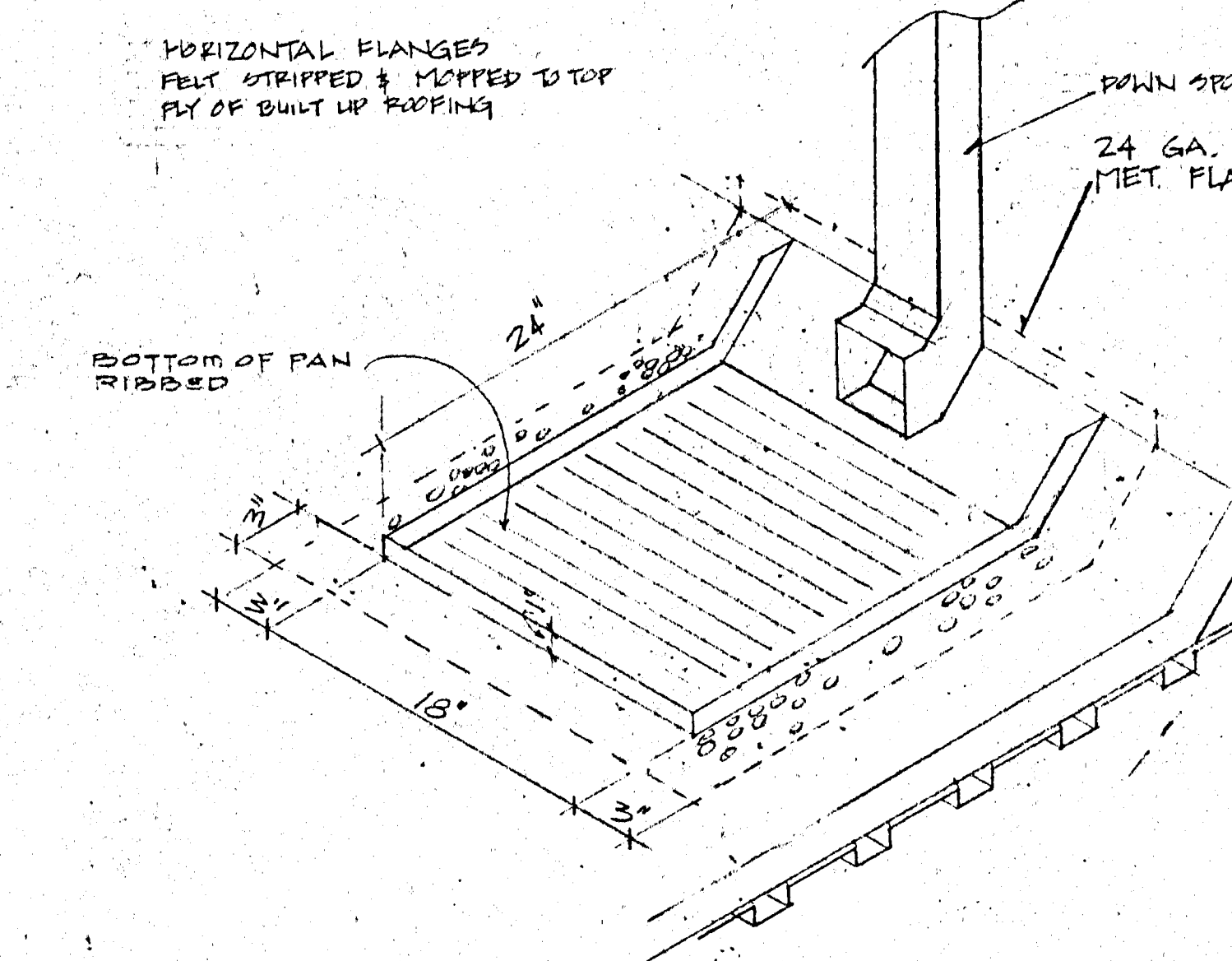
SKYLIGHT DETAIL 1
SCALE 1/2" = 1'-0"



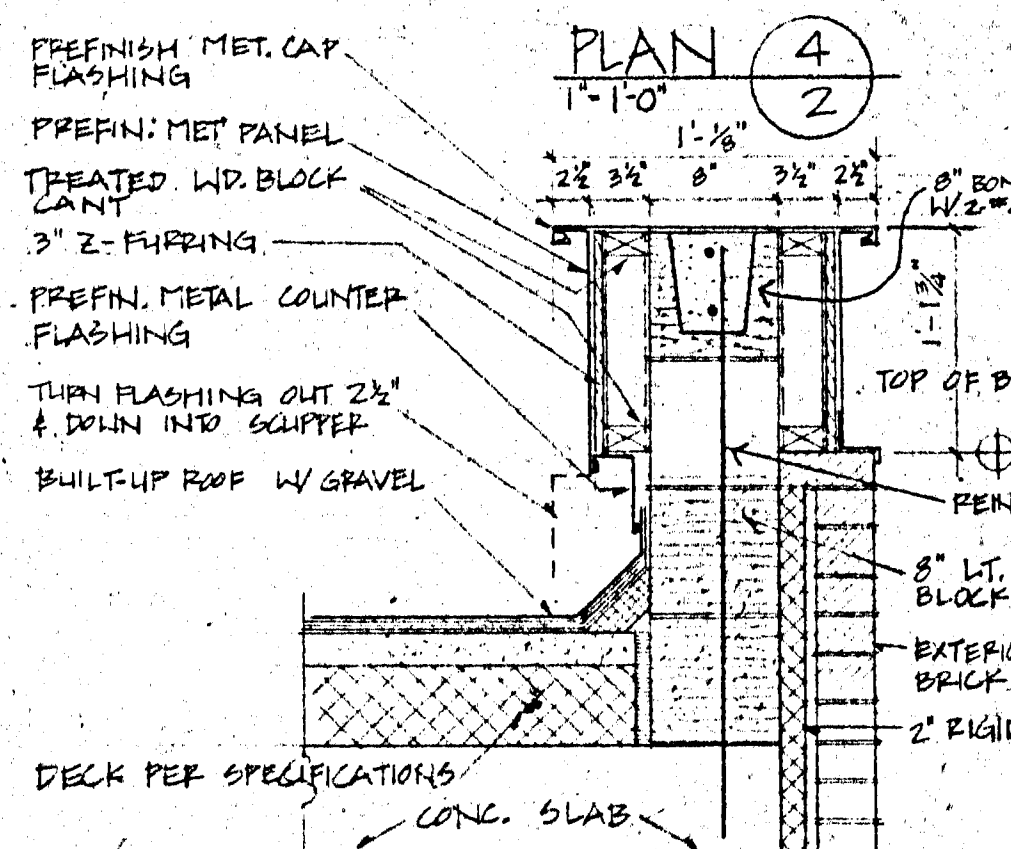
SKYLIGHT DETAIL 2
SCALE 1/2" = 1'-0"



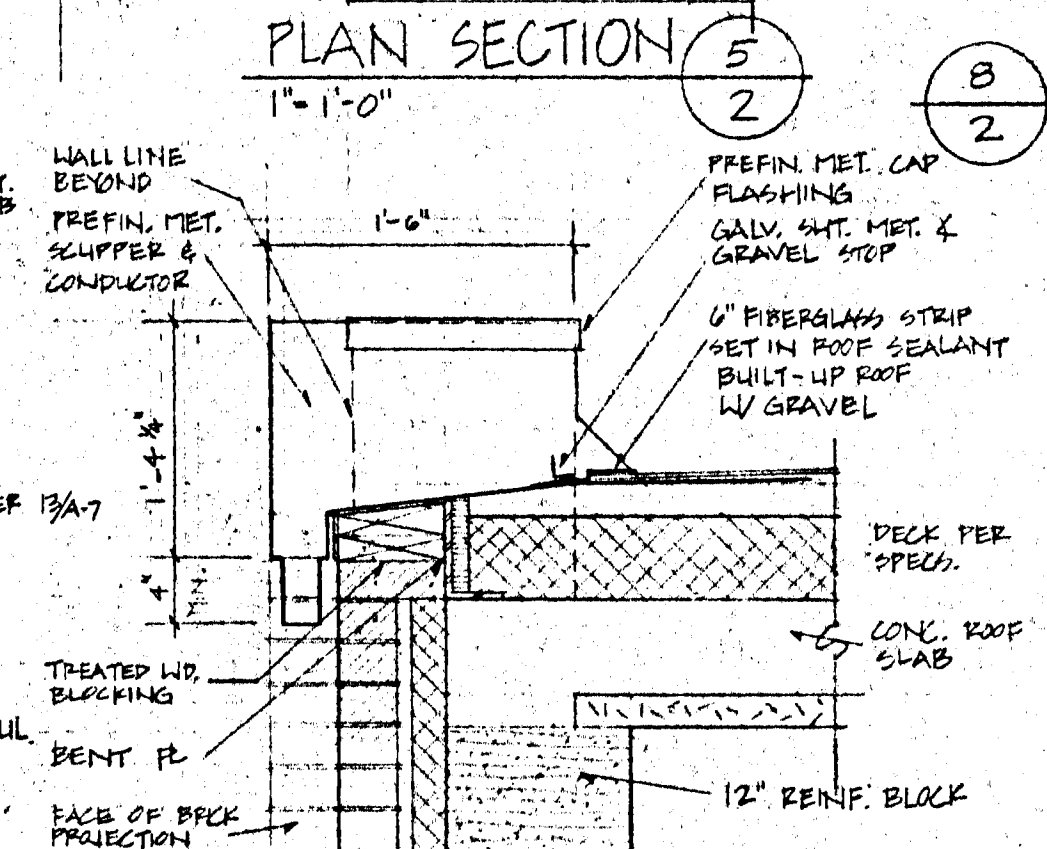
ROOF PLAN
SCALE 3/32" = 1'-0"



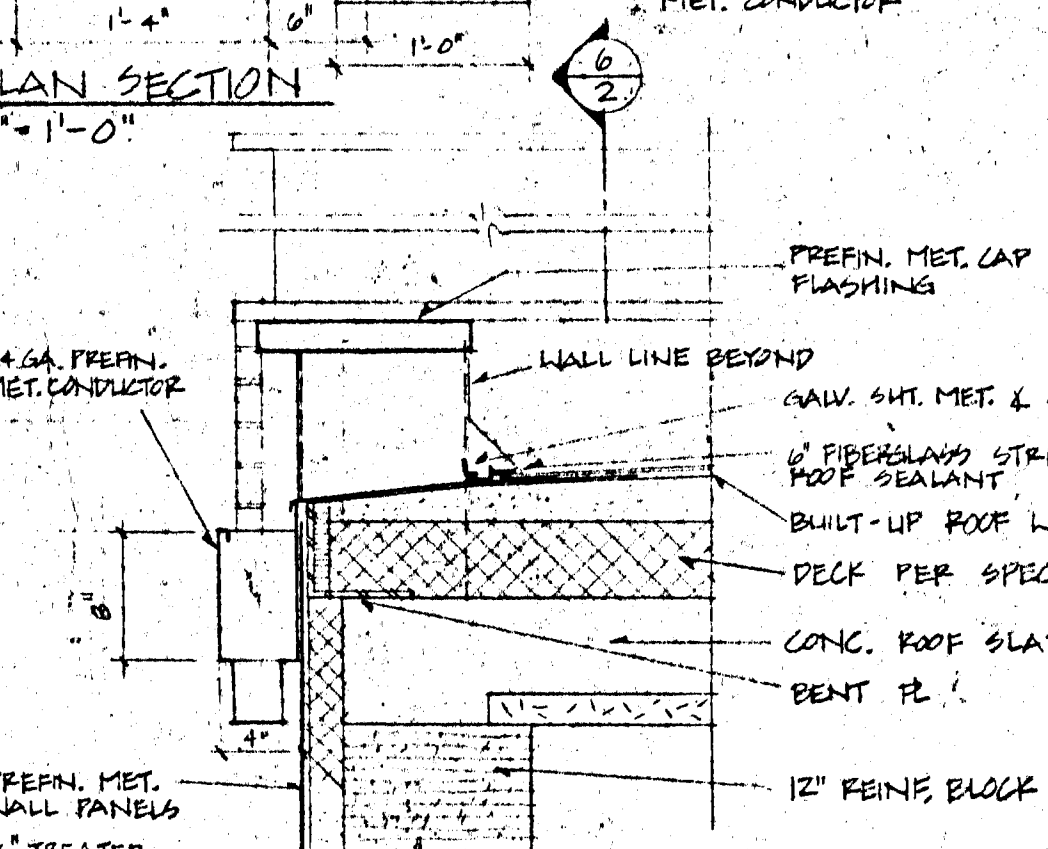
SPLASH PAN DETAIL 3
NO SCALE



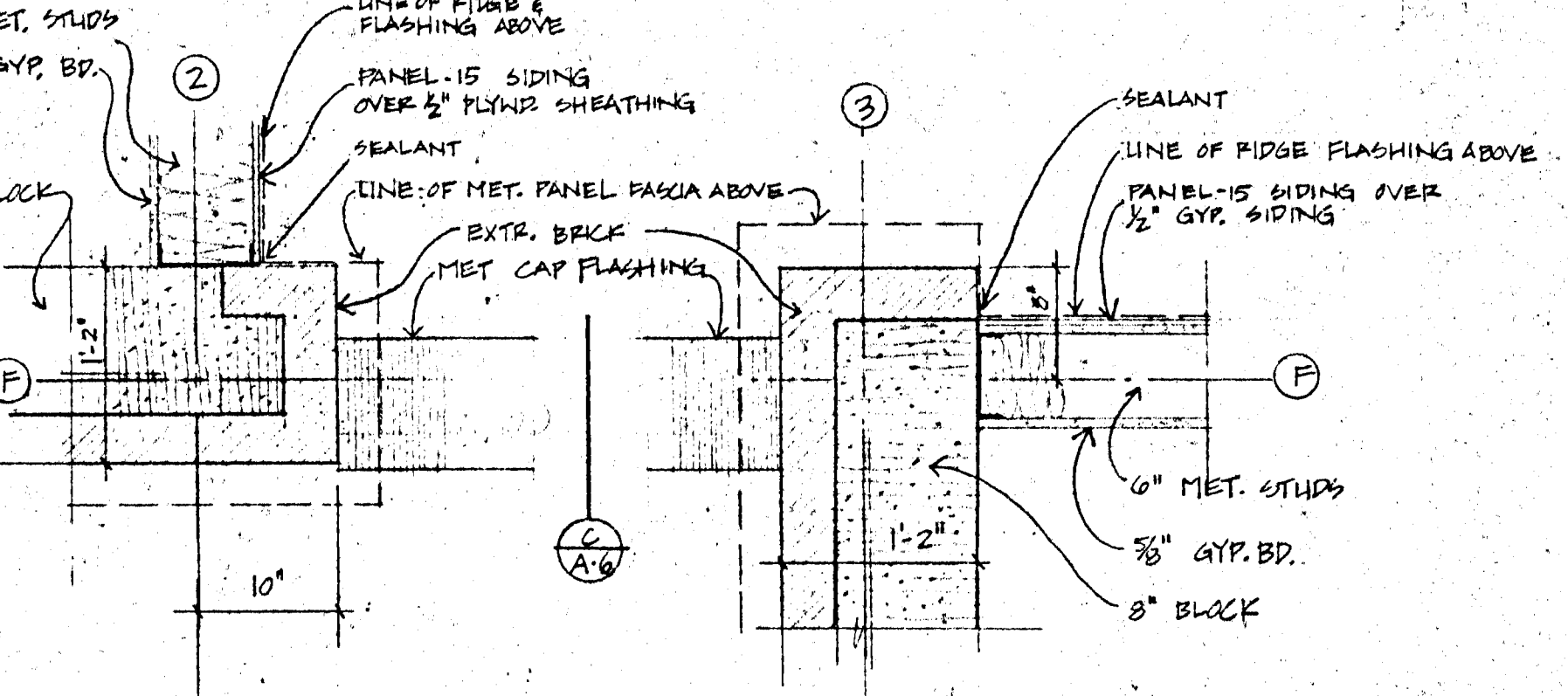
SECTION THRU PARAPET 6
SCALE 1" = 1'-0"



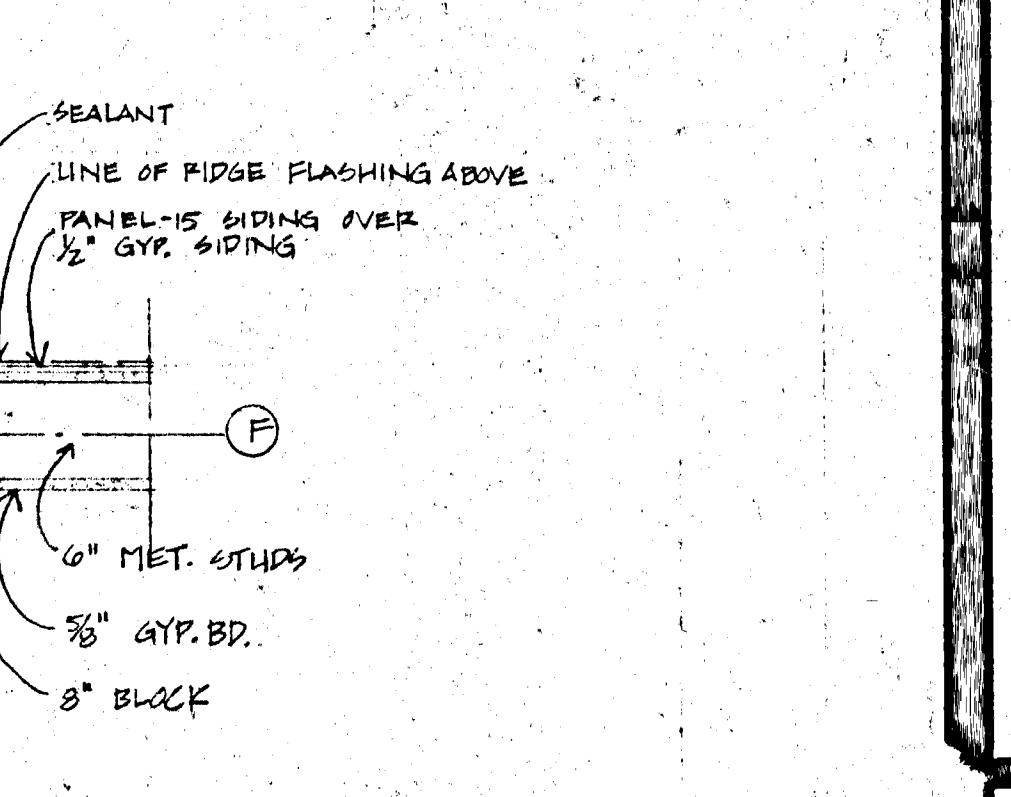
SECTION THRU SCUPPER 7
SCALE 1" = 1'-0"



SECTION THRU SCUPPER 9
SCALE 1" = 1'-0"



PLAN DETAIL 10
SCALE 1" = 1'-0"



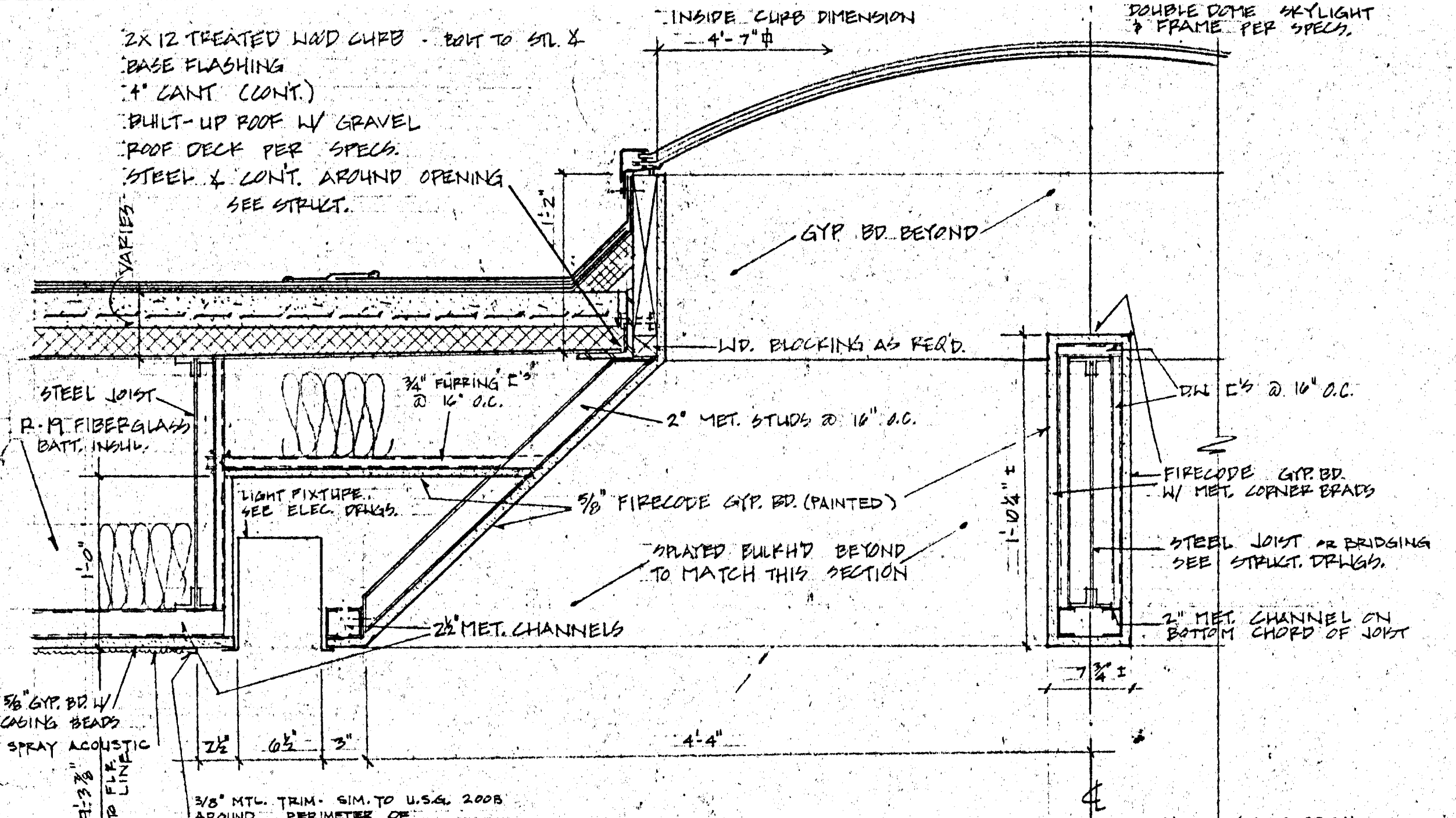
PLAN DETAIL 11
SCALE 1" = 1'-0"

BUCHANAN ARCHITECTS & ASSOC. CHARTERED
 17840 WASHINGTON AVE. K.C.K. 66112 (813) 334-3211
 BOB D. CAMPBELL & CO. STRUCTURAL ENGINEERS (816) 531-4144
 MASSAGLIA-NEUSTROM-BREDSON MECHANICAL & ELECTRICAL ENGINEERS (816) 931-2196

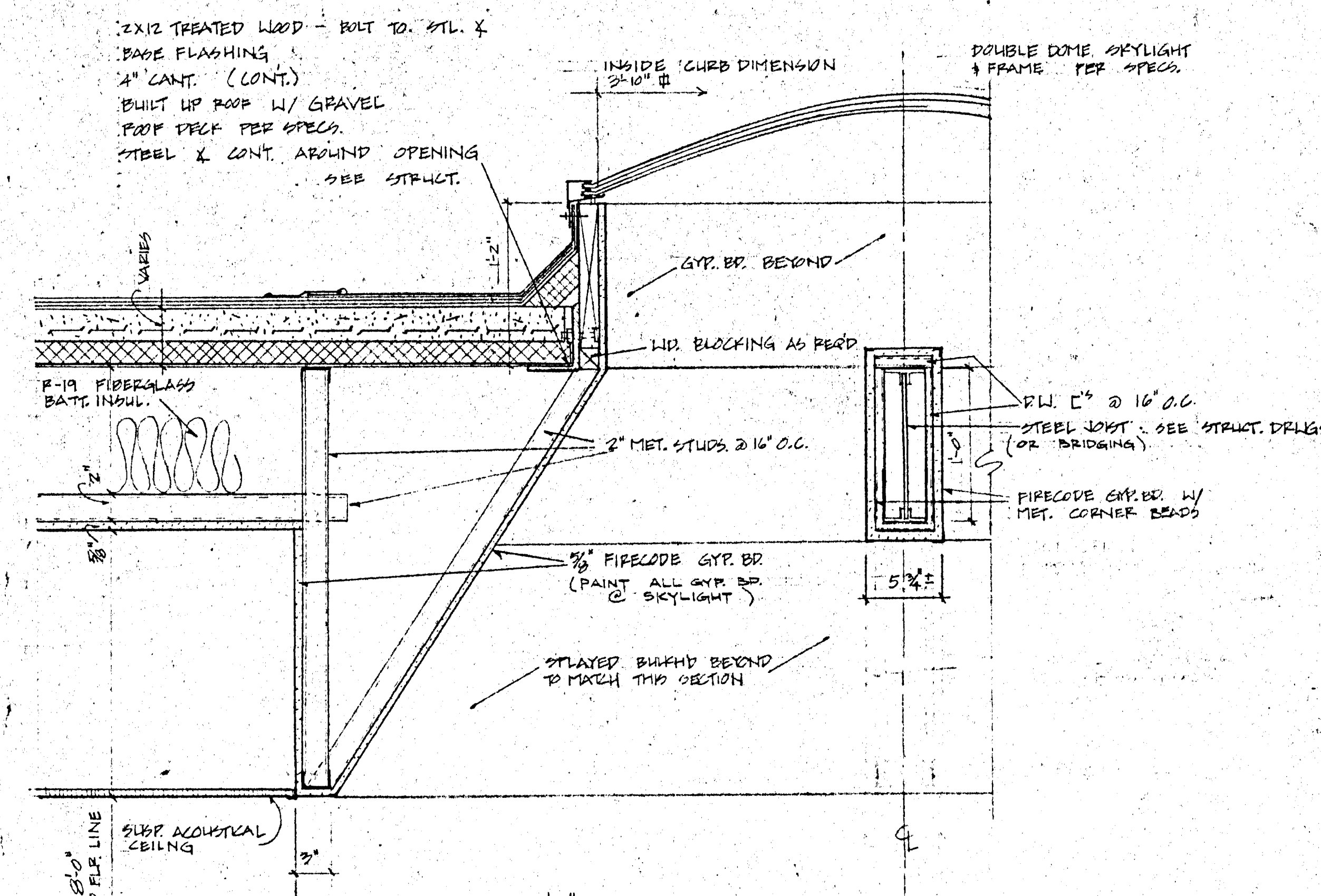
JOHN A. FISKE ELEMENTARY SCHOOL
 UNIFIED SCHOOL DISTRICT 500
 625 S. VALLEY, K.C.K.

DRAWN BY: H.W.J. G.S.
 CHECKED BY: E.S.
 DATE: 3-15-85
 REVISIONS:

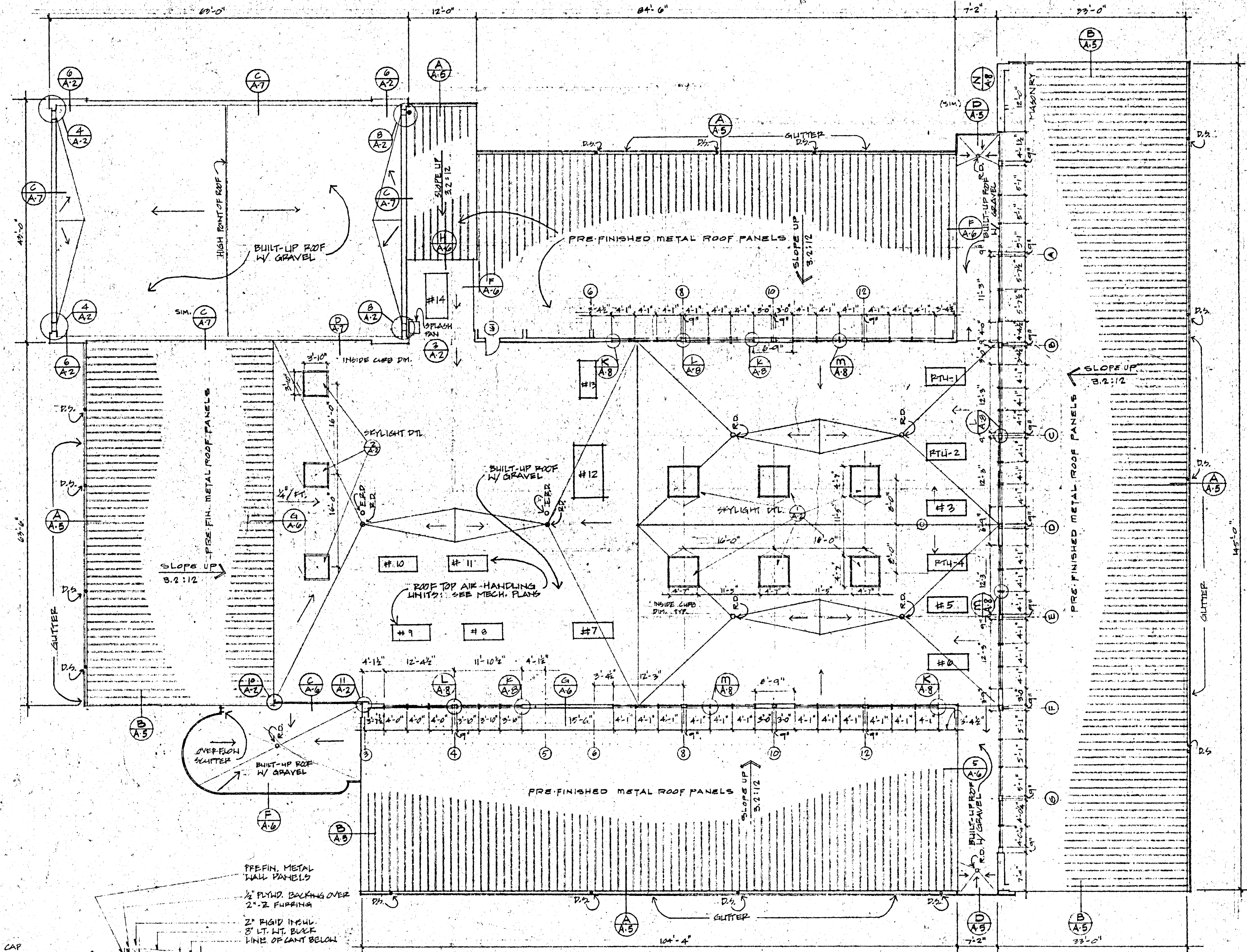
SHEET NO
 A.2



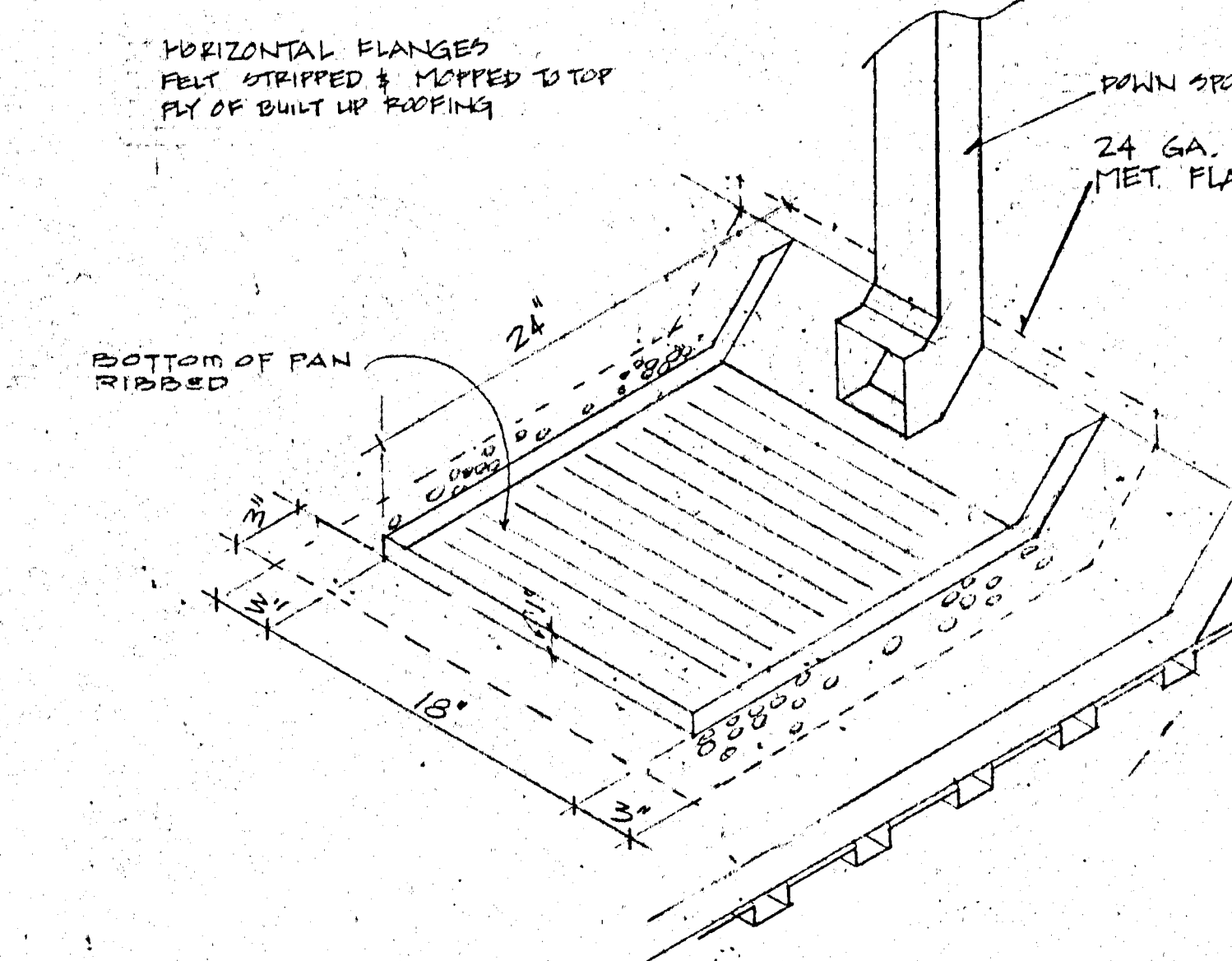
SKYLIGHT DETAIL 1
SCALE 1/2" = 1'-0"



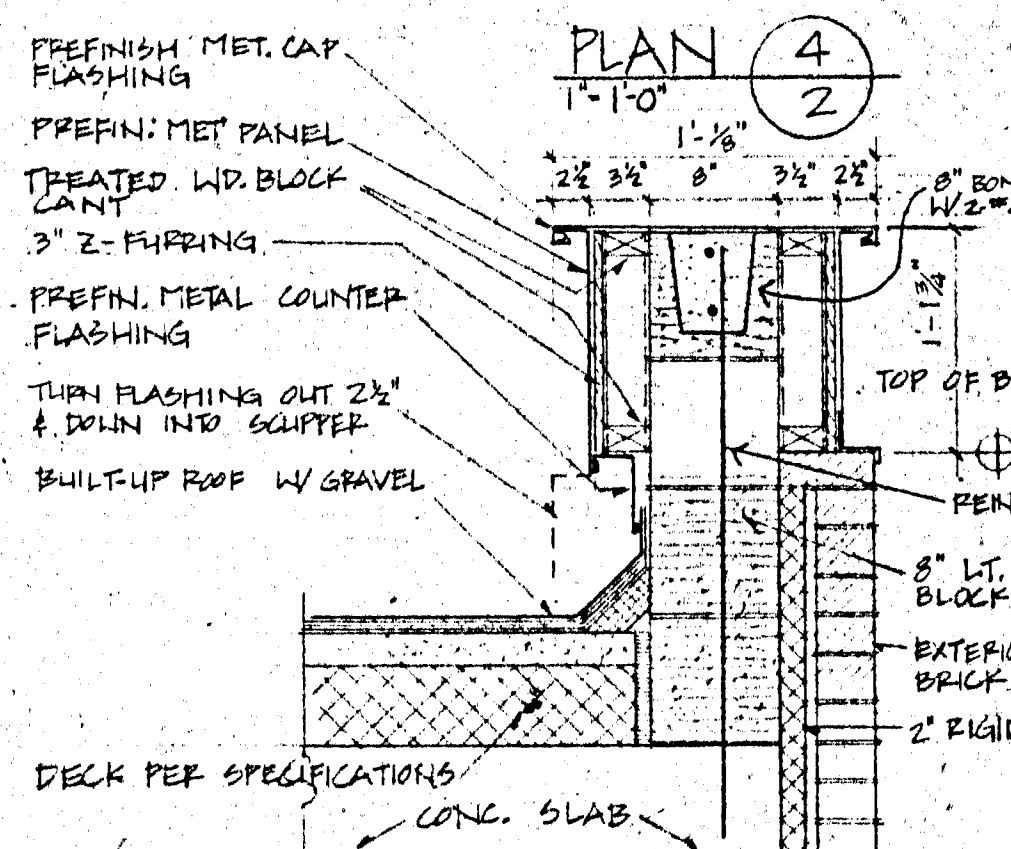
SKYLIGHT DETAIL 2
SCALE 1/2" = 1'-0"



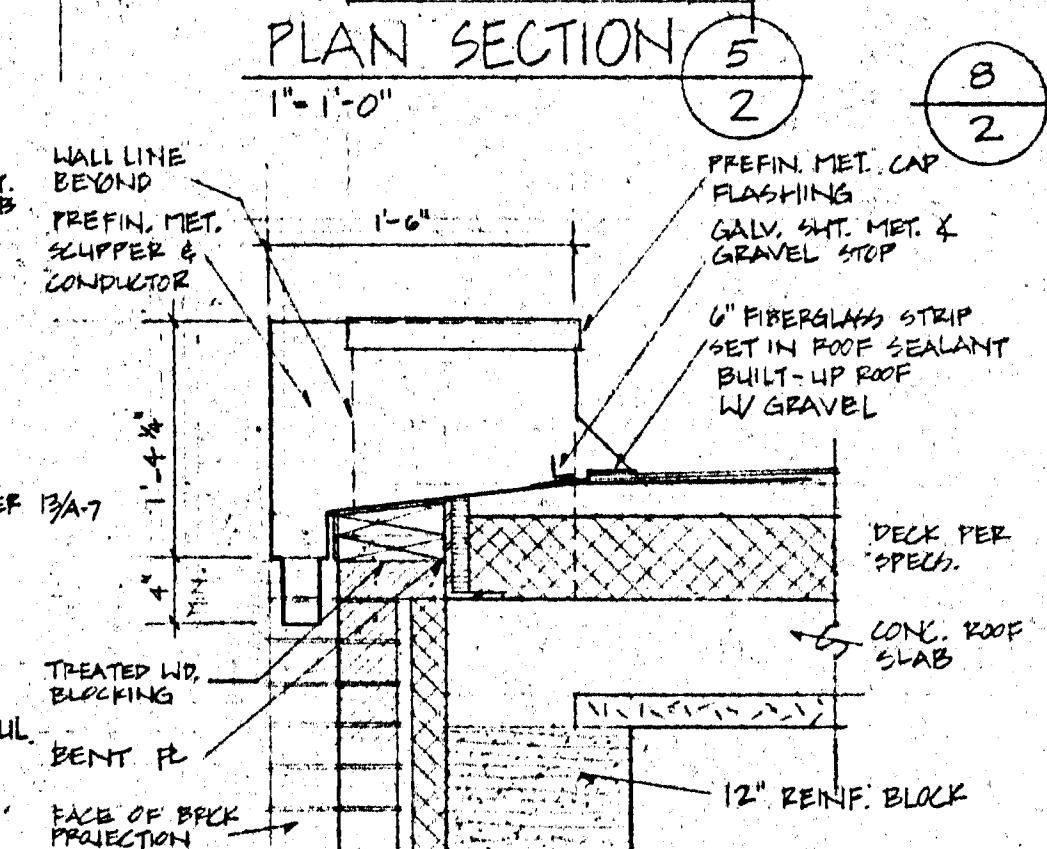
ROOF PLAN
SCALE 3/32" = 1'-0"



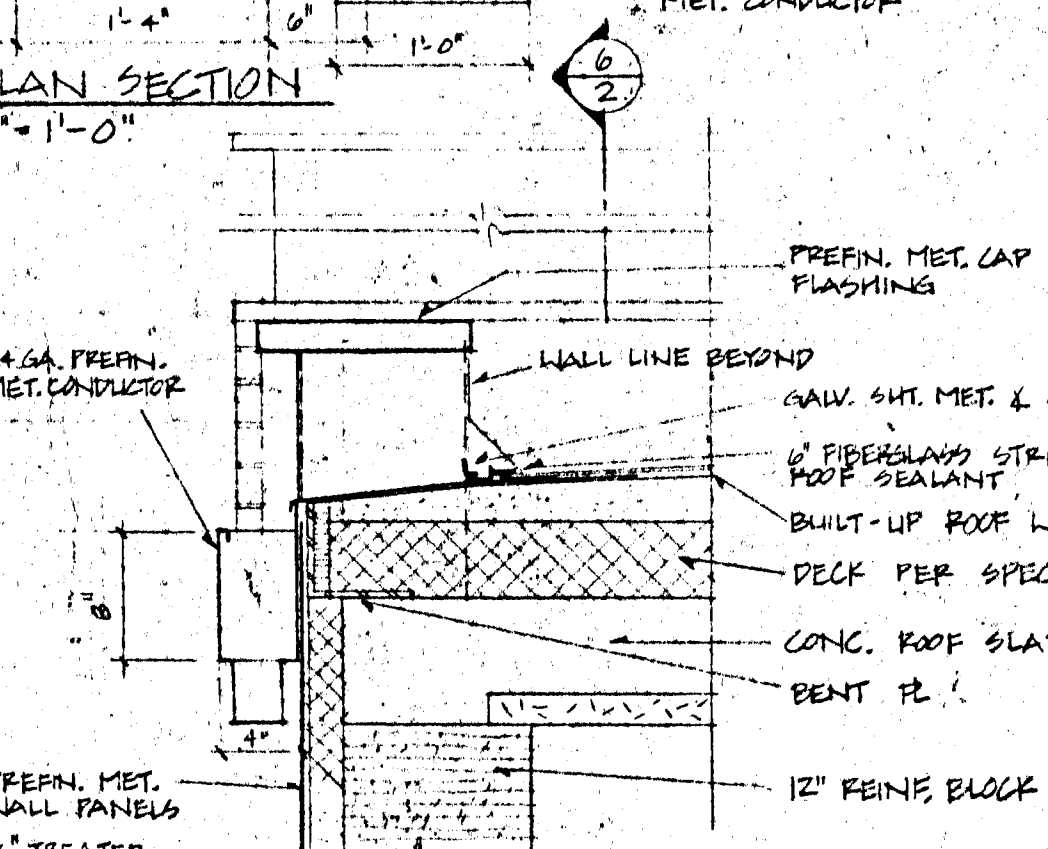
SPLASH PAN DETAIL 3
NO SCALE



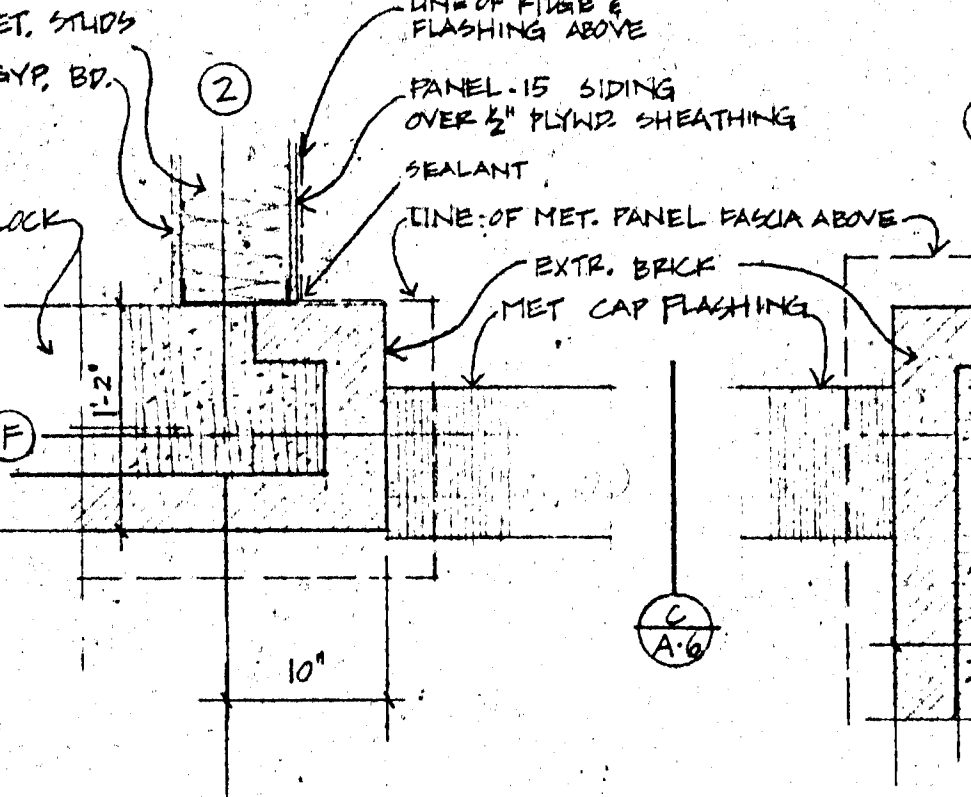
SECTION THRU PARAPET 6
1" = 1'-0"



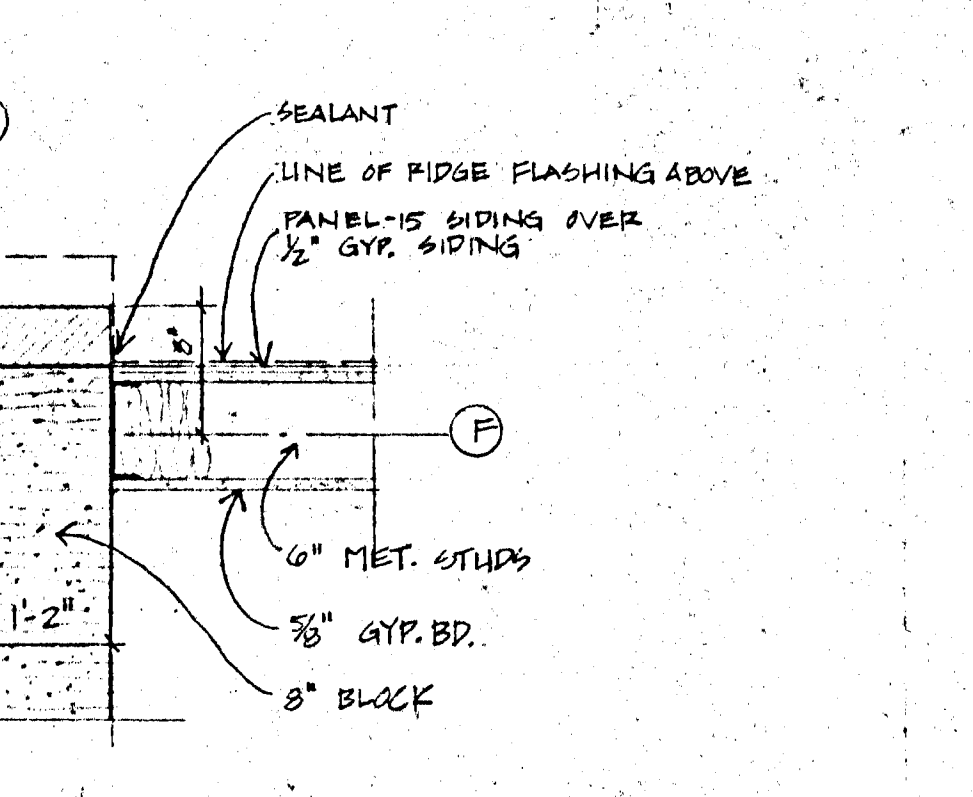
SECTION THRU SCUPPER 7
1" = 1'-0"



SECTION THRU SCUPPER 9
1" = 1'-0"



PLAN DETAIL 10
SCALE 1" = 1'-0"



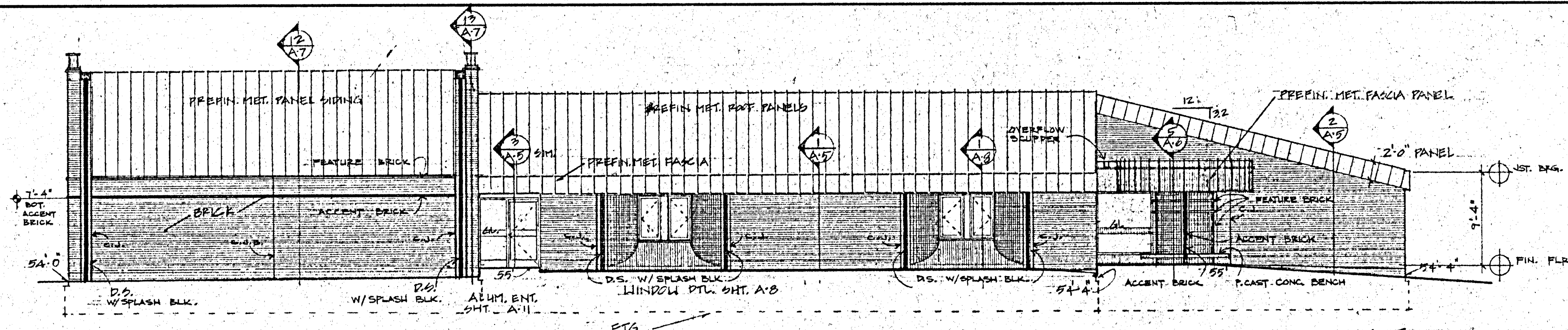
PLAN DETAIL 11
SCALE 1" = 1'-0"

BUCHANAN ARCHITECTS & ASSOC. CHARTERED
17840 WASHINGTON AVE. K.C.K. 66112 (813) 334-3211
BOB D. CAMPBELL & CO. STRUCTURAL ENGINEERS (816) 531-4144
MASSAGLIA-NEUSTROM-BREDSON MECHANICAL & ELECTRICAL ENGINEERS (816) 931-2196

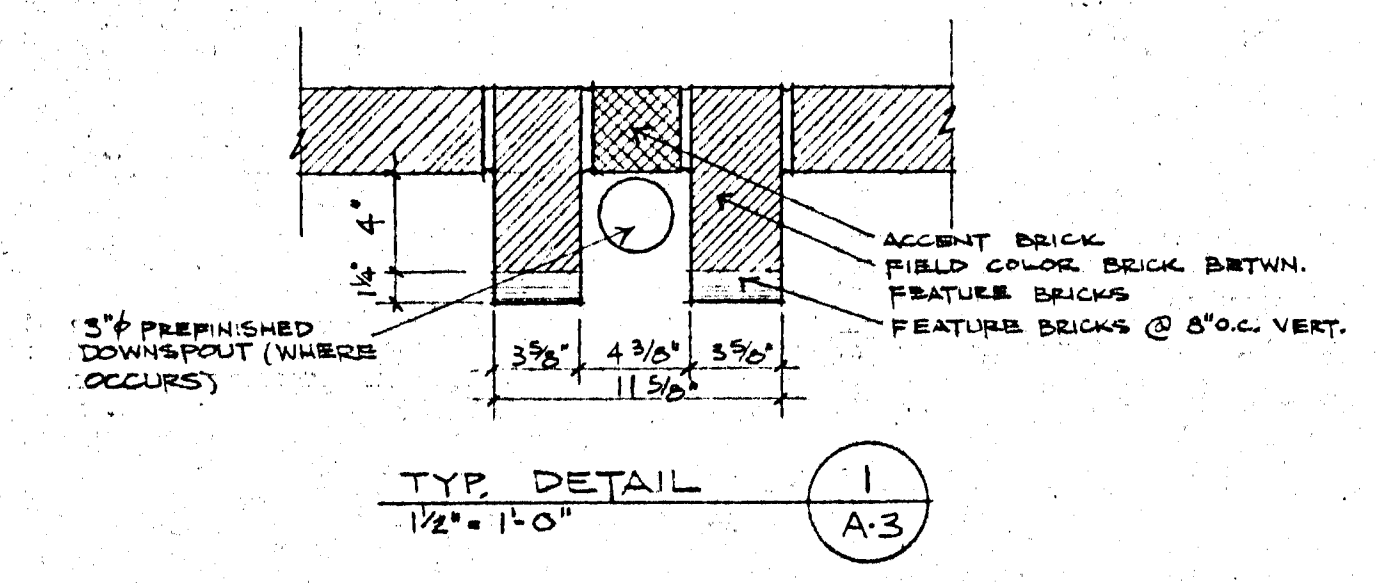
JOHN A. FISKE ELEMENTARY SCHOOL
UNIFIED SCHOOL DISTRICT 500
625 S. VALLEY, K.C.K.

DRAWN BY: H.W.J. G.S.
CHECKED BY: E.S.
DATE: 3-15-85
REVISIONS:

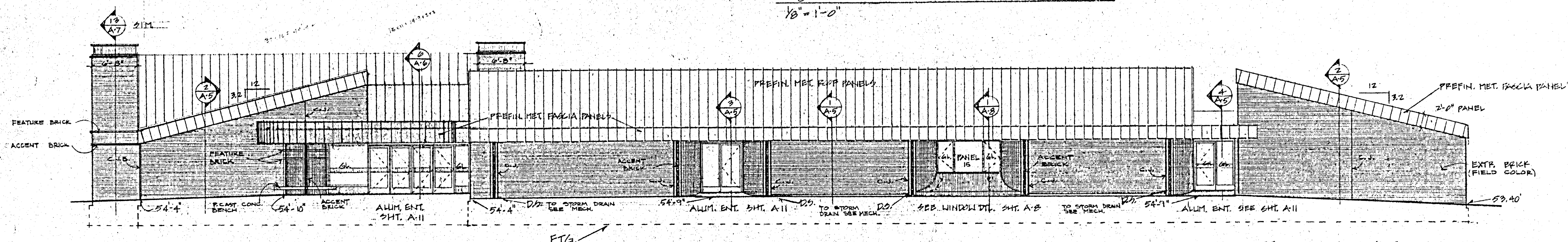
SHEET NO
A.2



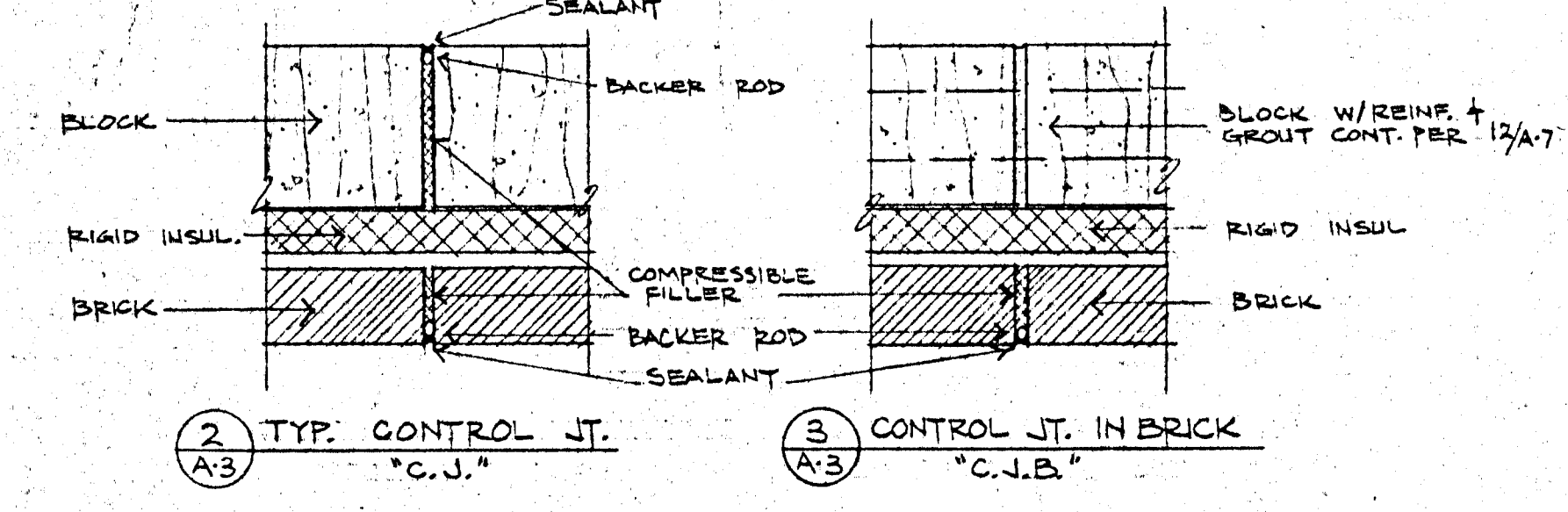
NORTH EXTERIOR ELEVATION
1/8" = 1'-0"



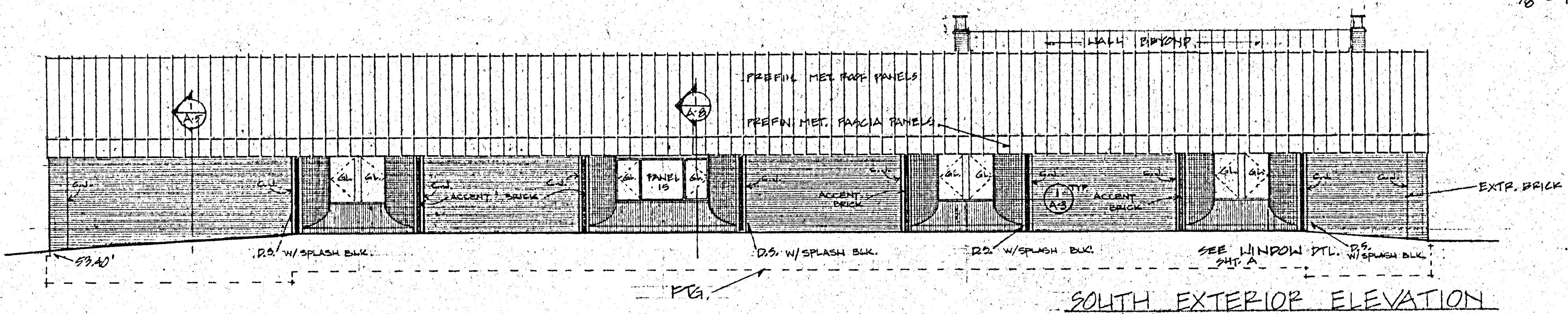
TYP. DETAIL
1/2" = 1'-0"



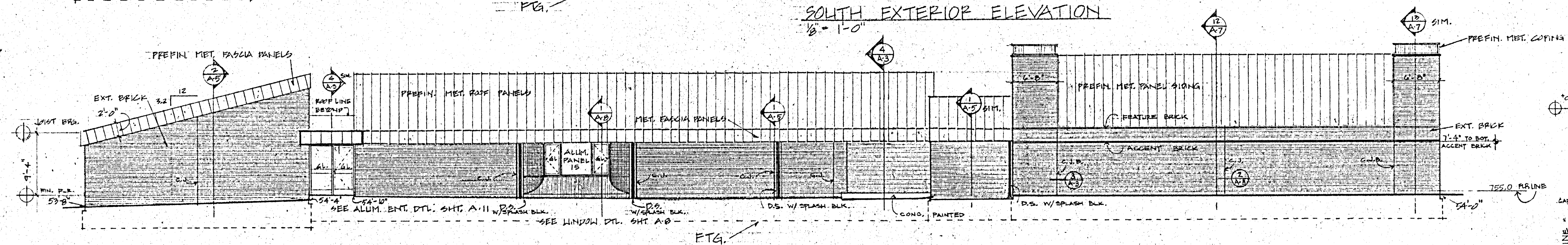
WEST EXTERIOR ELEVATION
1/8" = 1'-0"



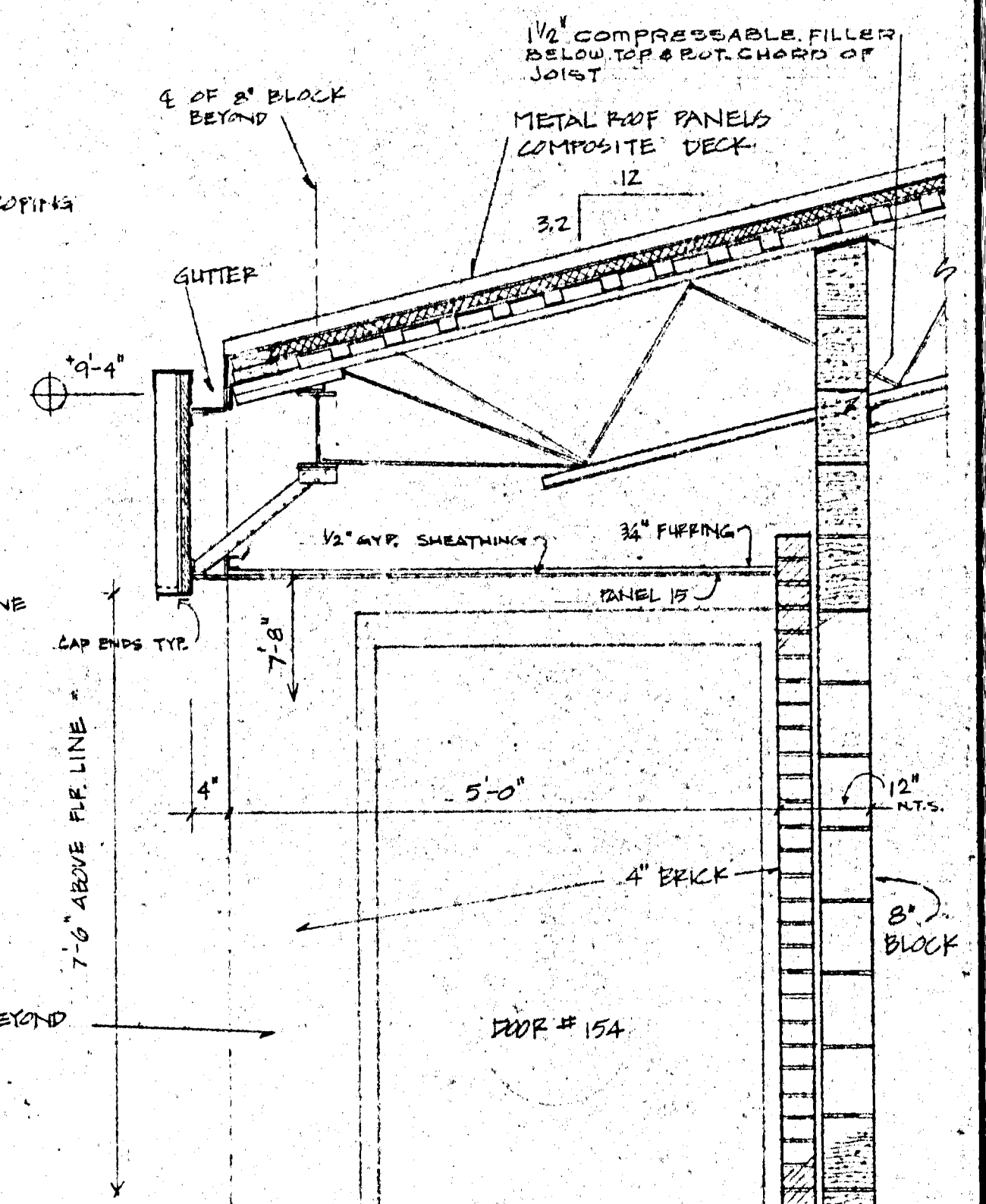
1 TYP. CONTROL JT. "C.U."
2 CONTROL JT. IN BRICK "C.J.B."



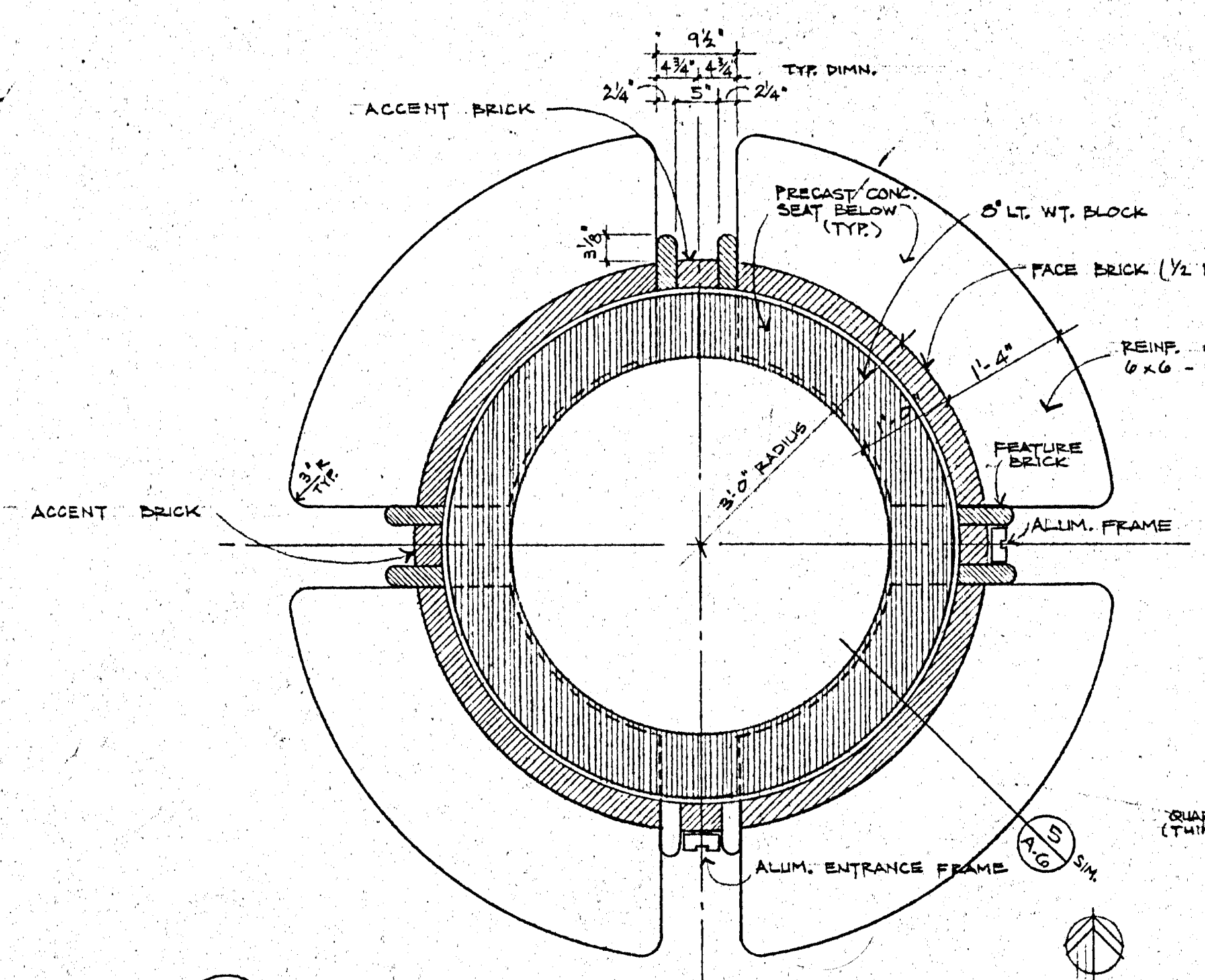
SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"



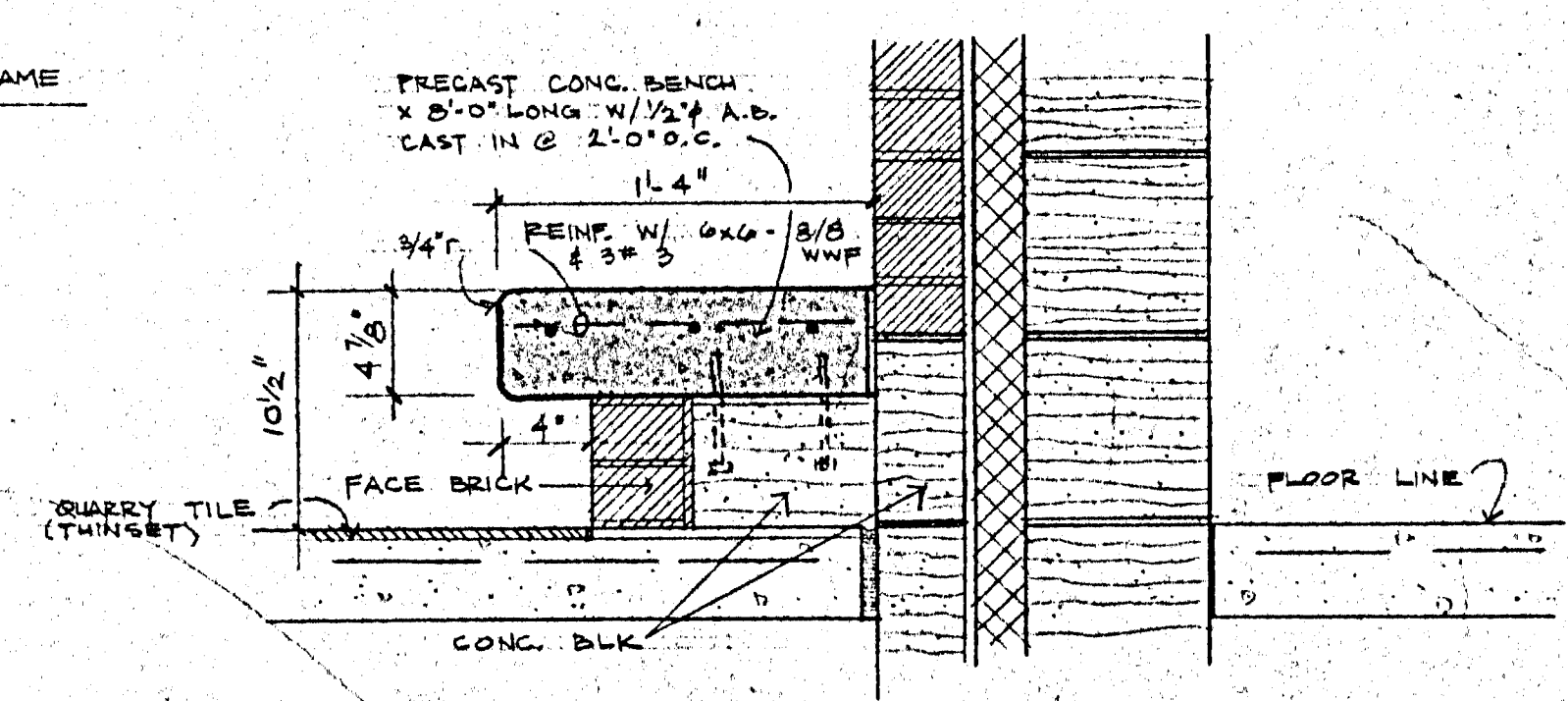
EAST EXTERIOR ELEVATION
1/8" = 1'-0"



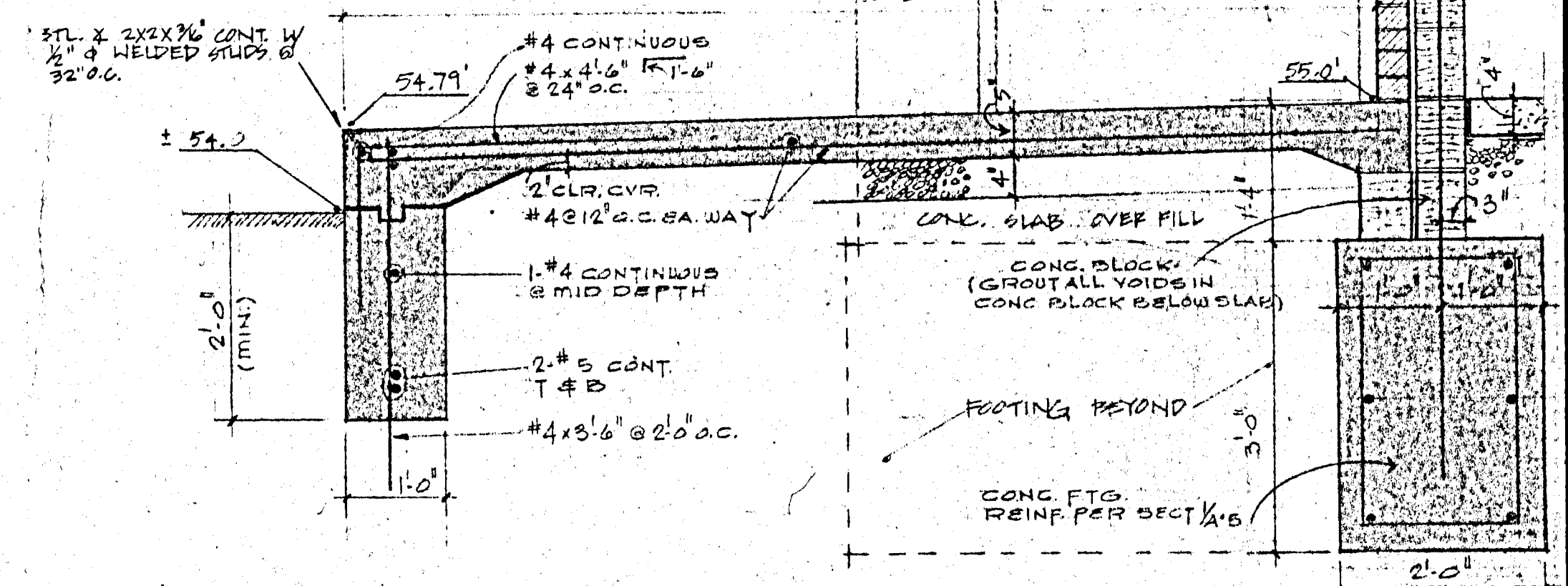
SECTION THRU LOADING DOCK
3/4" = 1'-0"



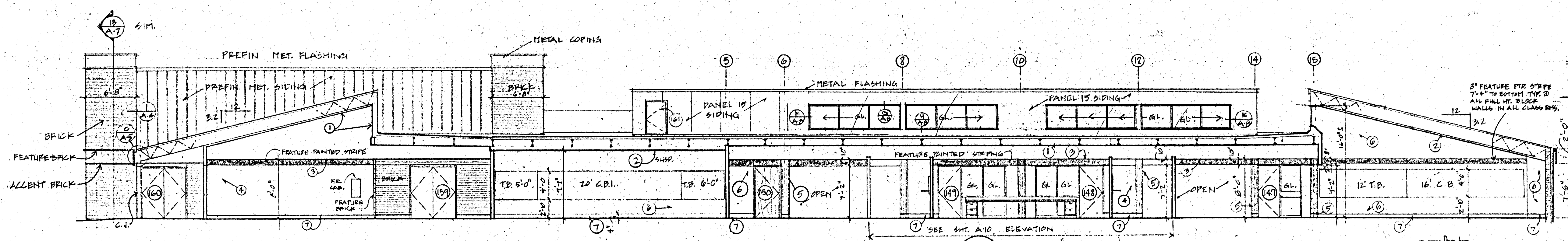
6 PLAN OF MAIN ENTRANCE MASONRY PIER
3/4" = 1'-0"



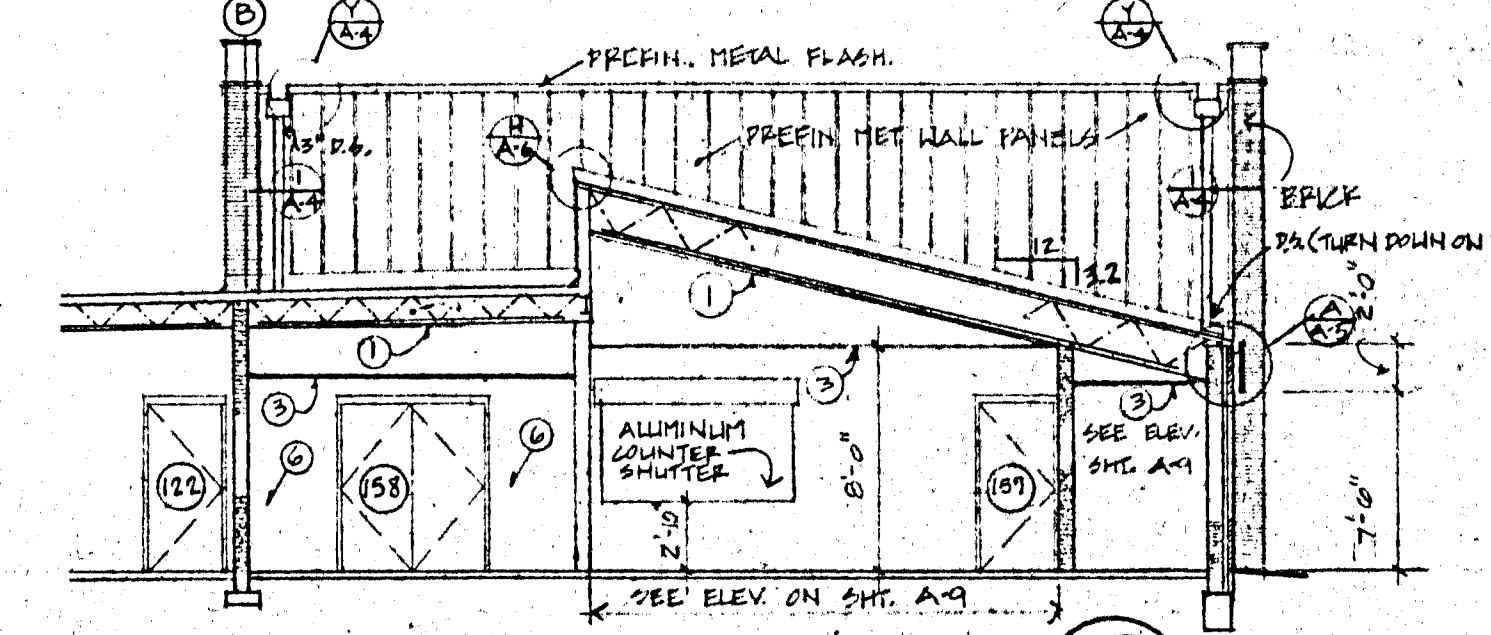
5 DETAIL: BENCH IN VESTIBULE
1/2" = 1'-0"



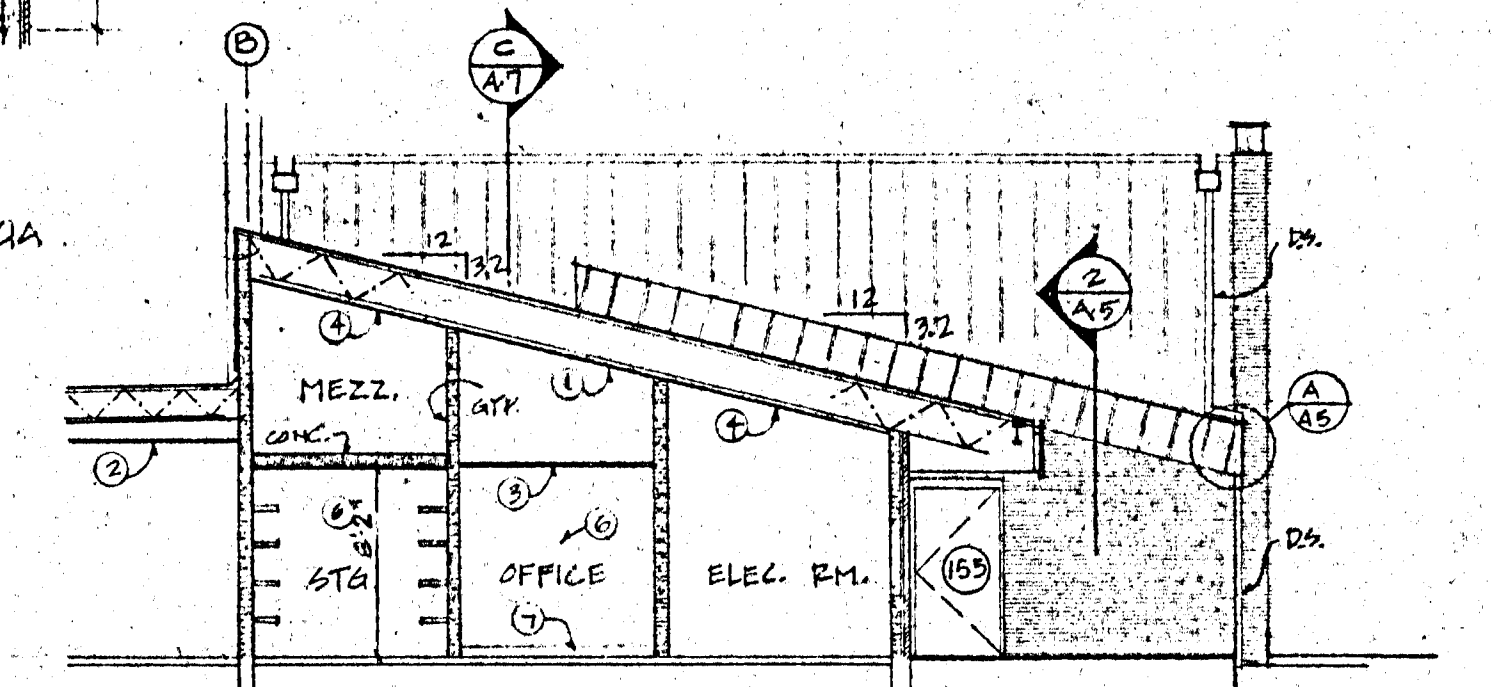
SECTION THRU LOADING DOCK
3/4" = 1'-0"



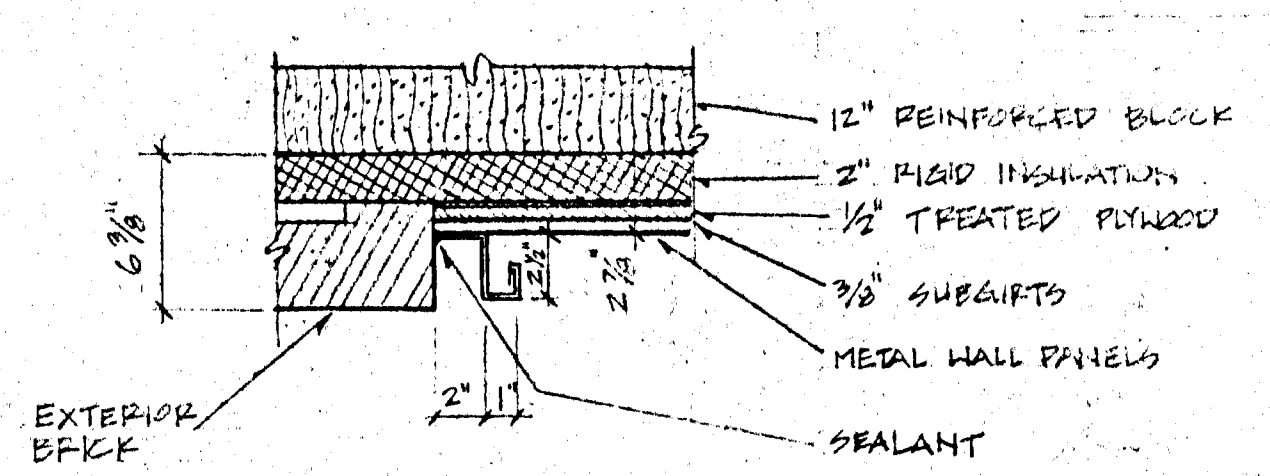
BUILDING CROSS SECTION A
SCALE: 1/8" = 1'-0"



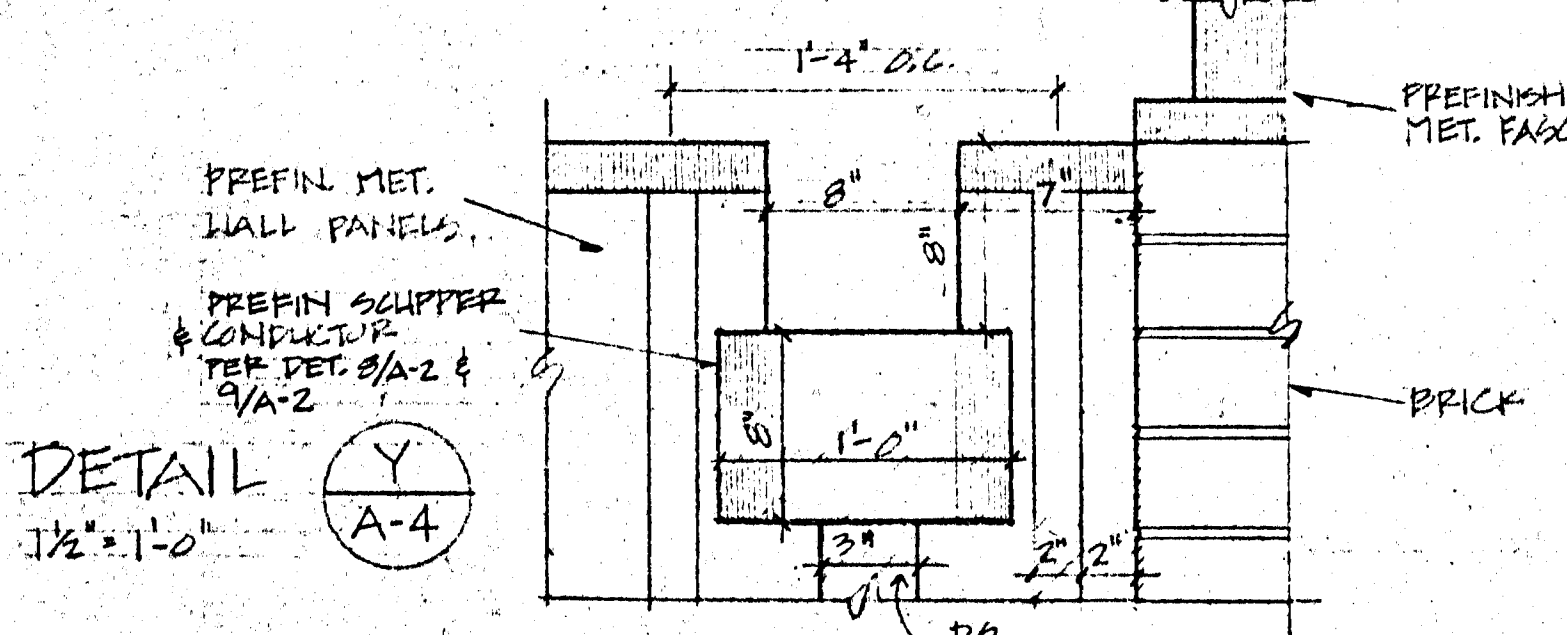
PARTIAL BLDG CROSS SECTION E
SCALE: 1/8" = 1'-0"



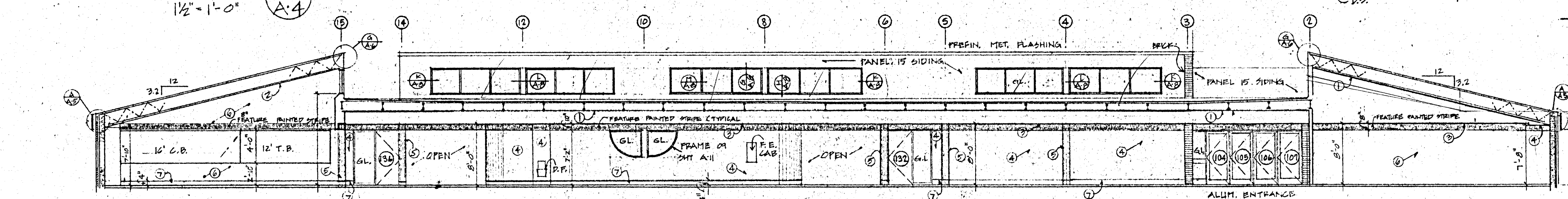
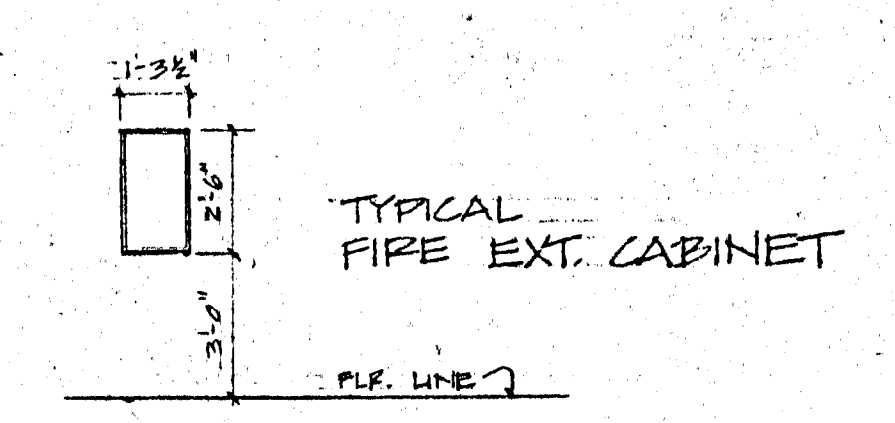
PARTIAL BLDG CROSS SECTION F
SCALE: 1/8" = 1'-0"



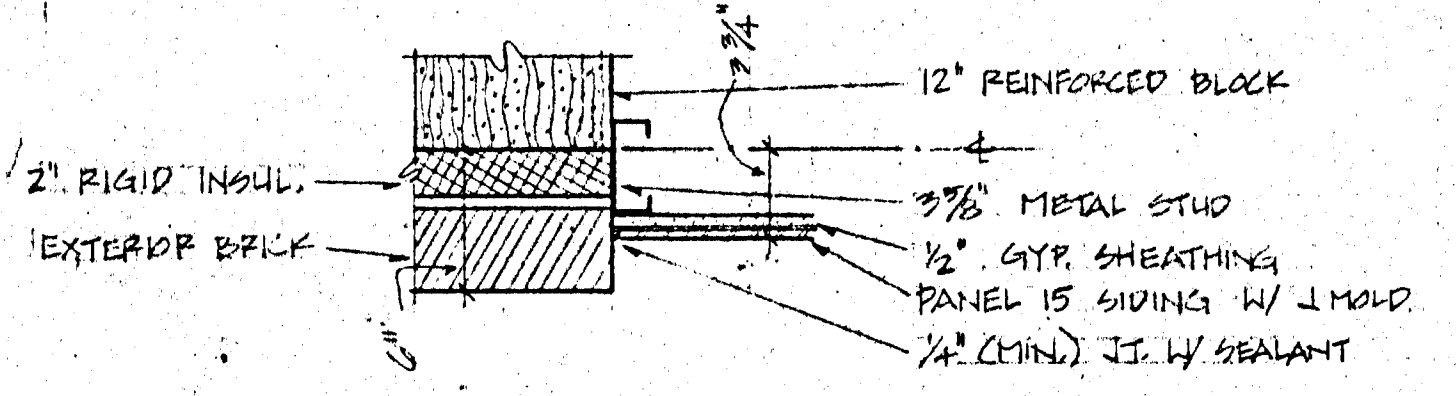
DETAIL 1
1/2" = 1'-0"



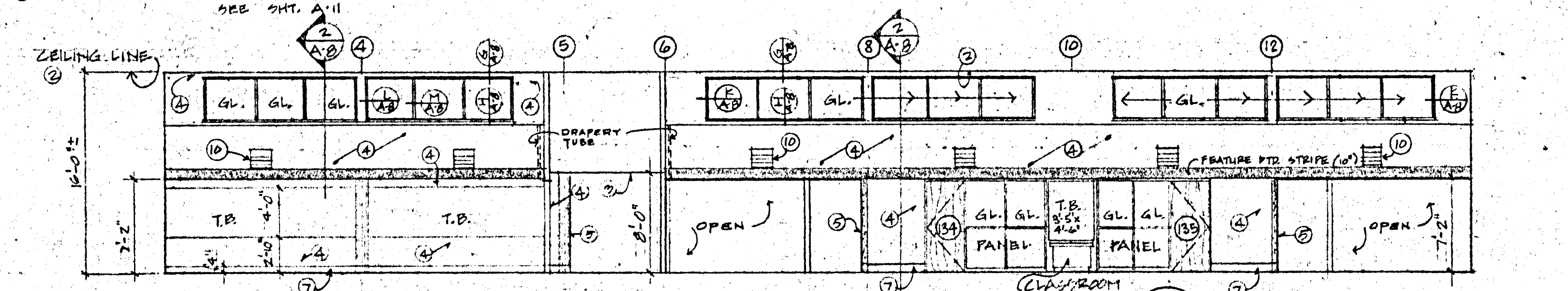
DETAIL Y
1/2" = 1'-0"



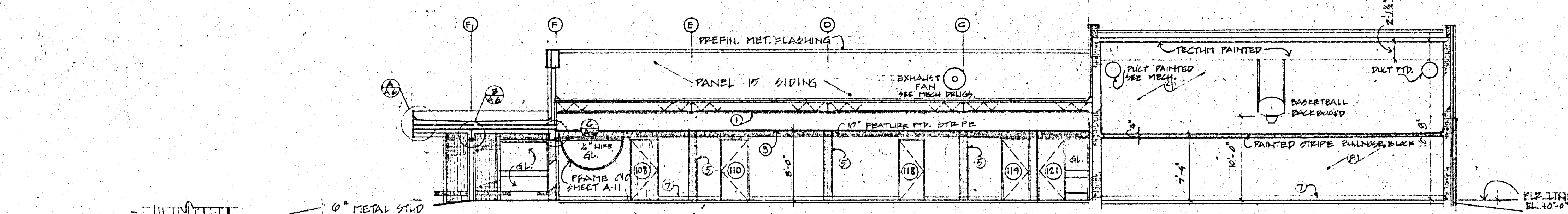
BUILDING CROSS SECTION B
SCALE: 1/8" = 1'-0"



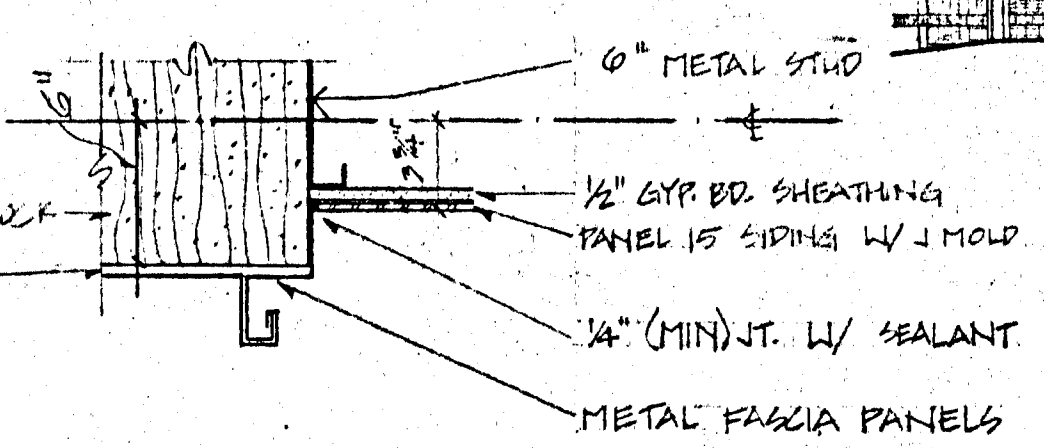
DETAIL 2
1/2" = 1'-0"



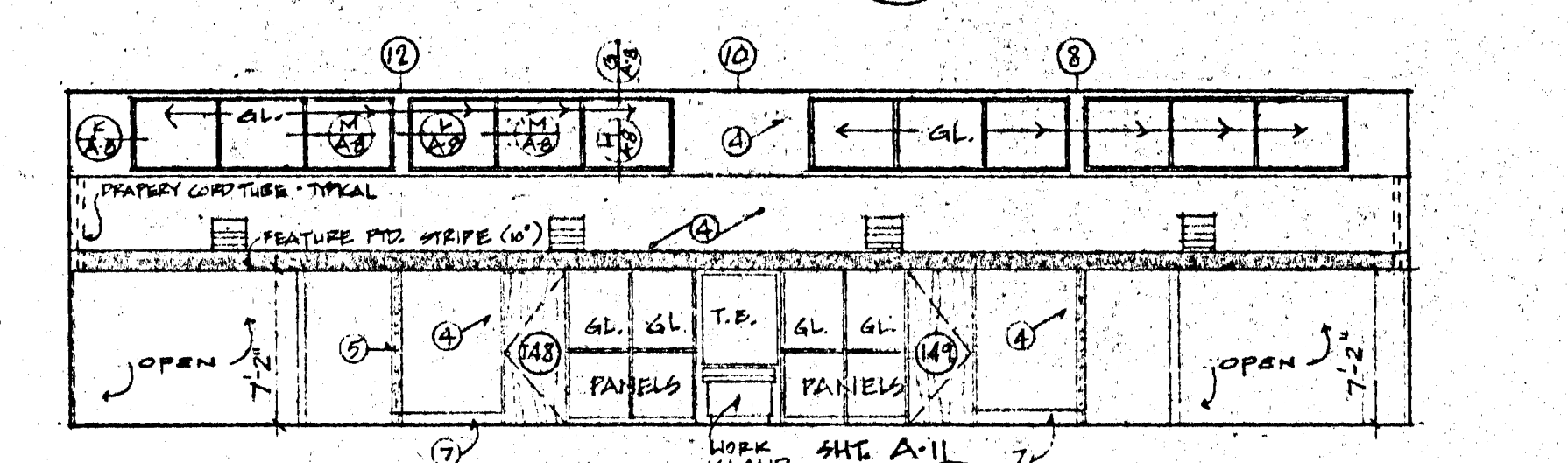
INTERIOR ELEVATION G
SCALE: 1/8" = 1'-0" (TYPICAL 3 ROOMS)



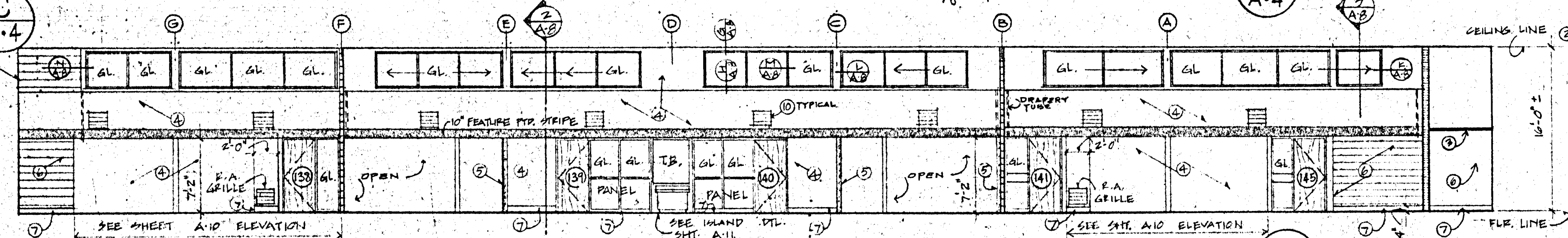
BUILDING CROSS SECTION C
SCALE: 1/8" = 1'-0"



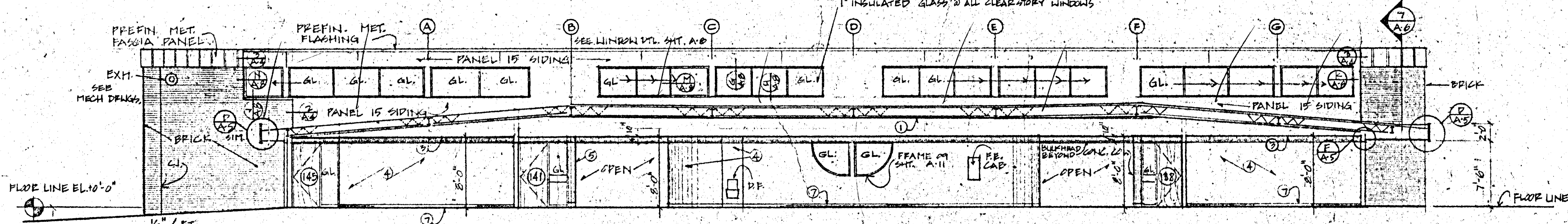
DETAIL 3
1/2" = 1'-0"



INTERIOR ELEVATION H
SCALE: 1/8" = 1'-0"



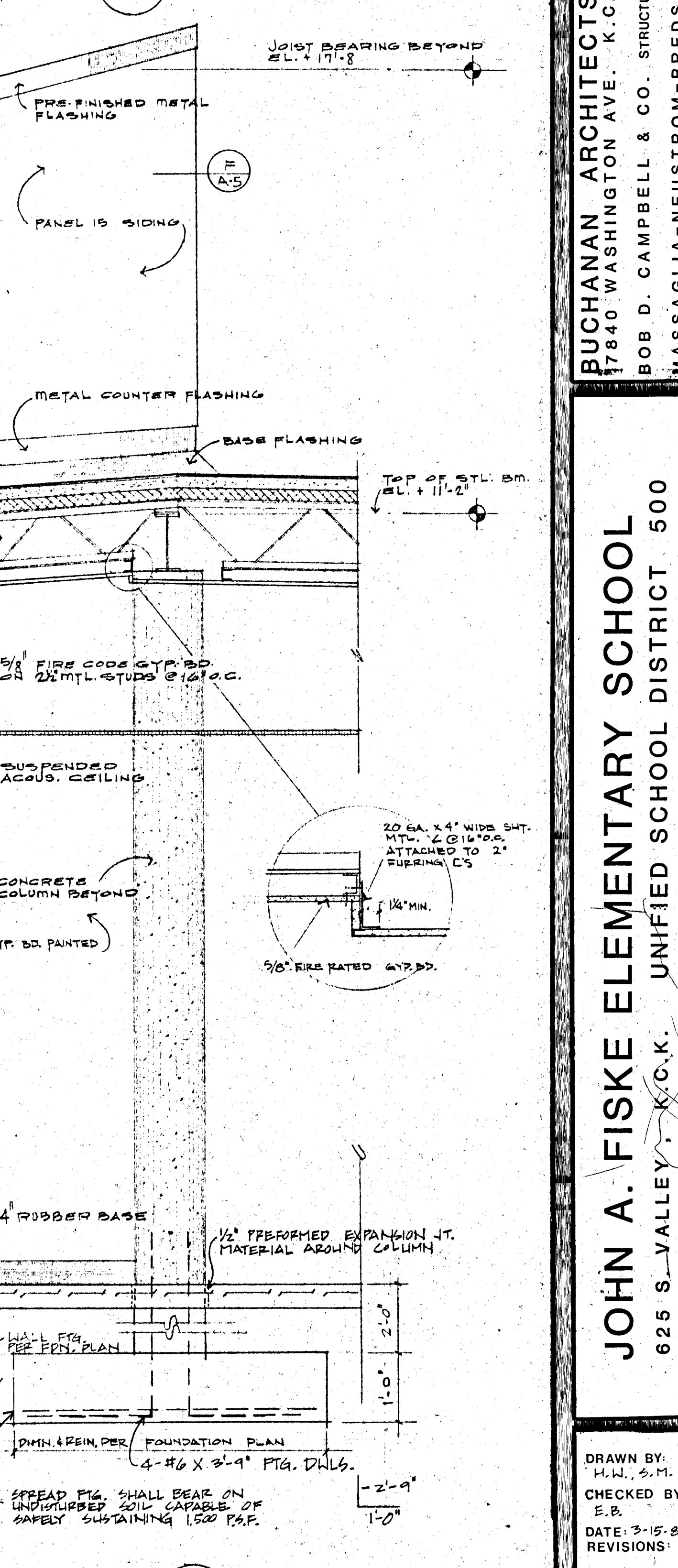
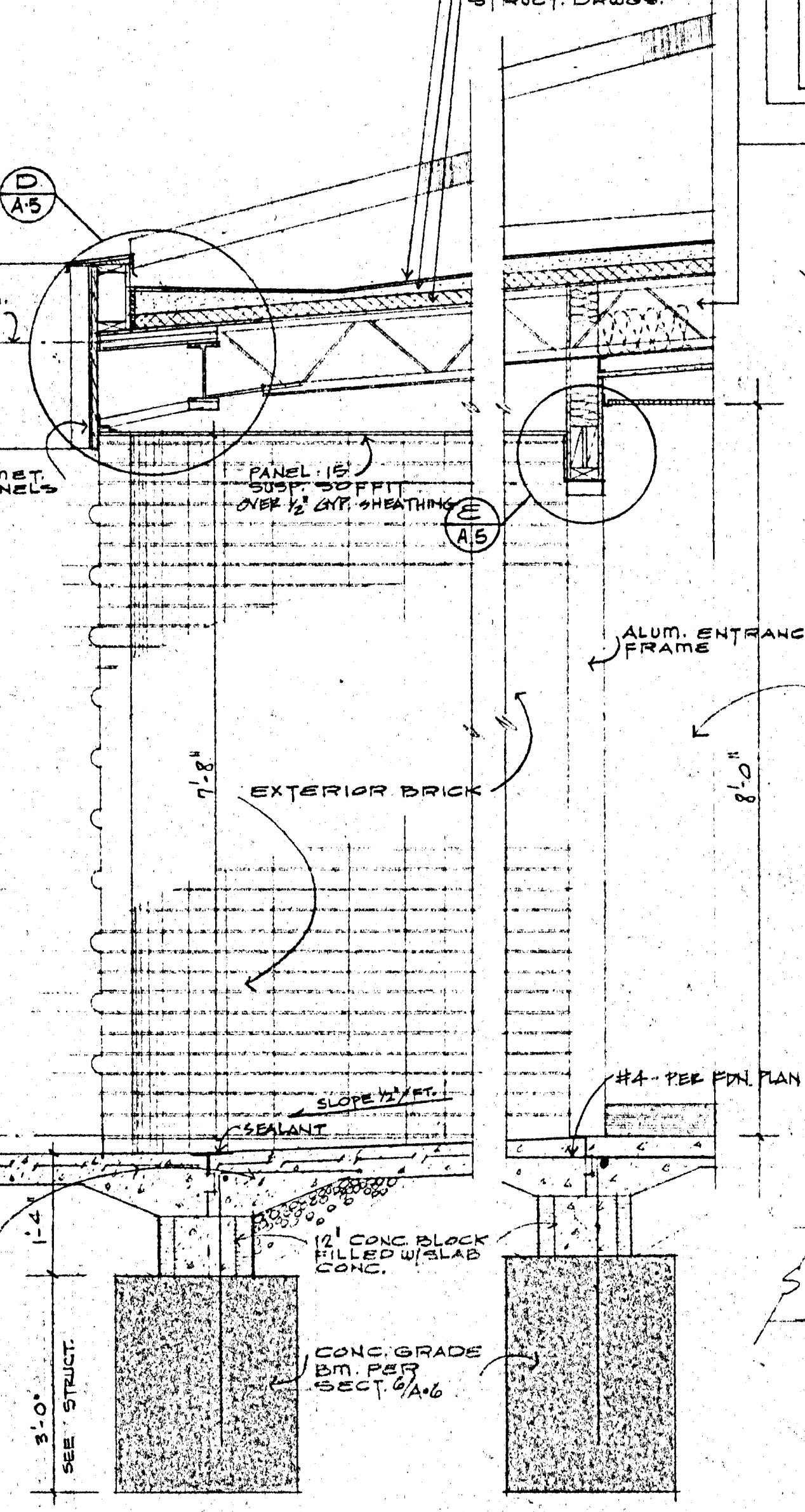
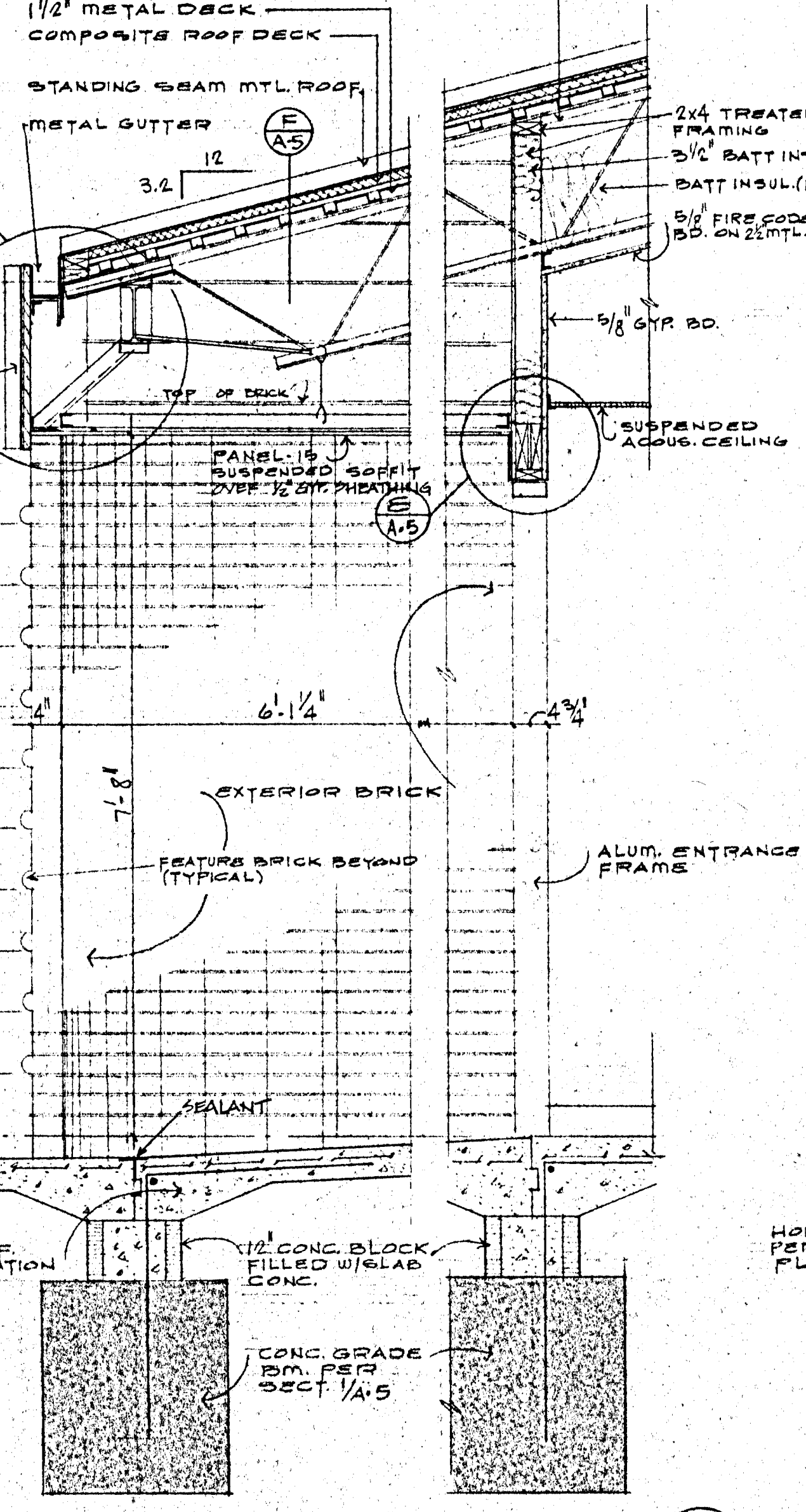
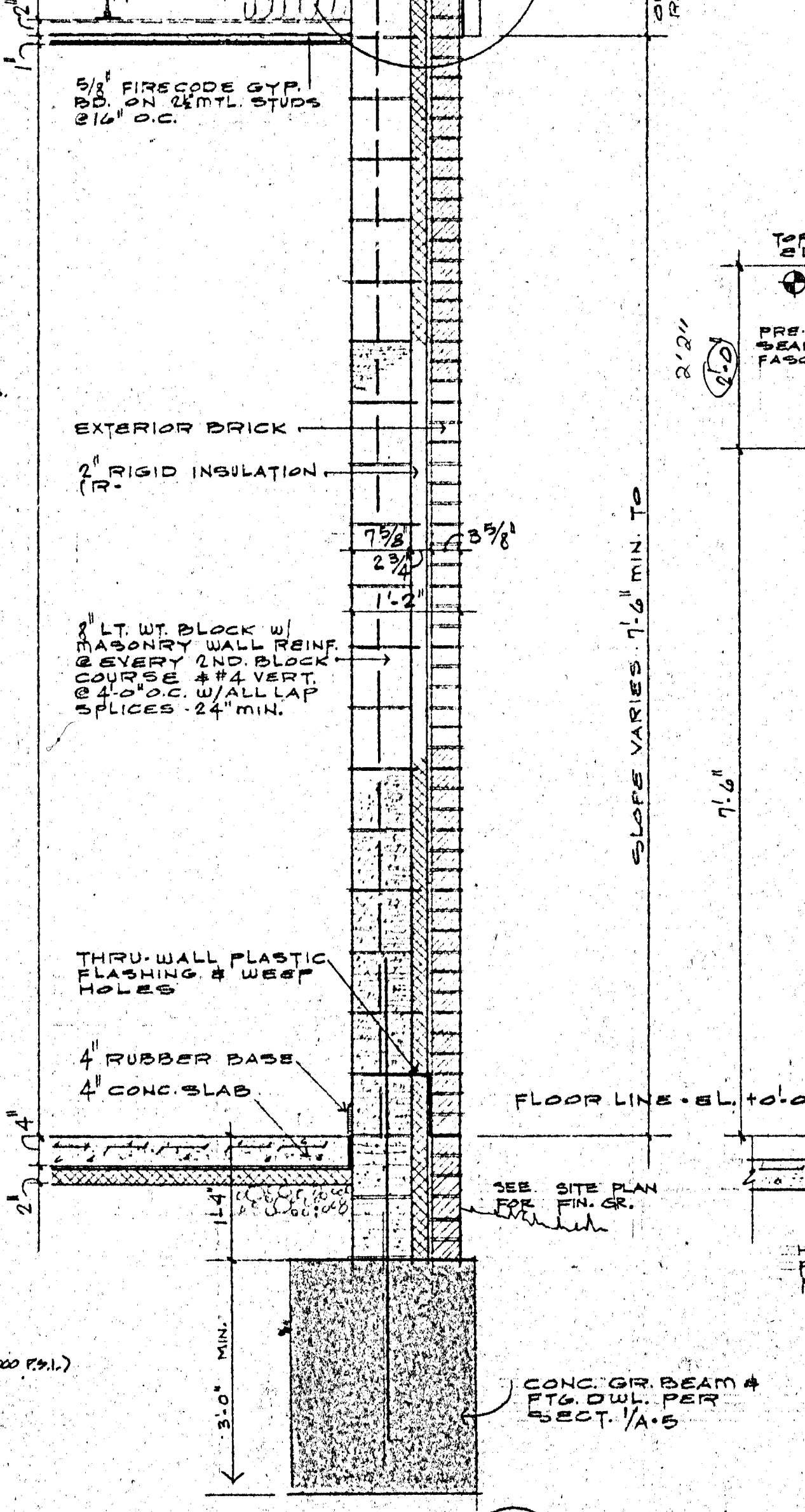
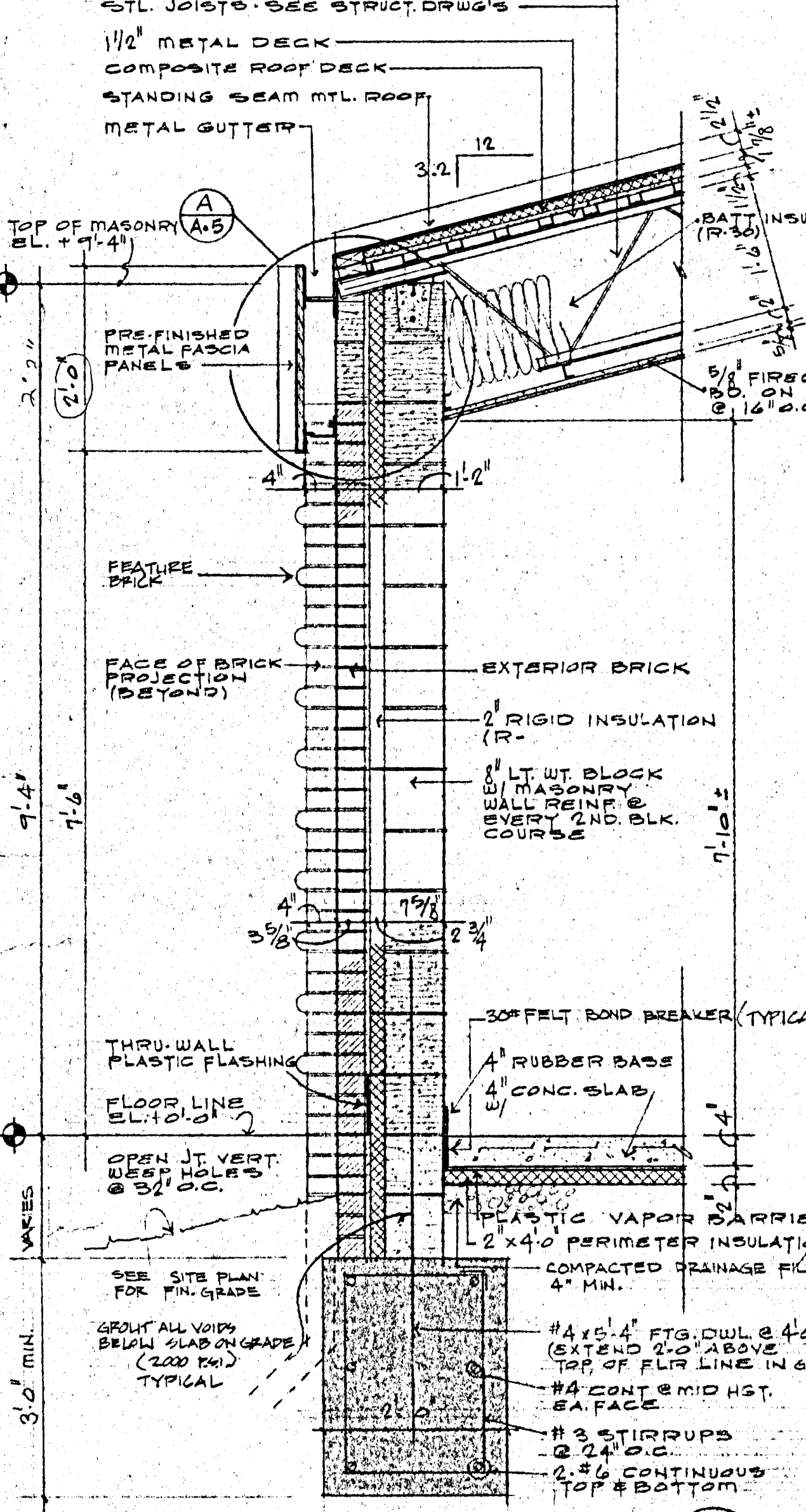
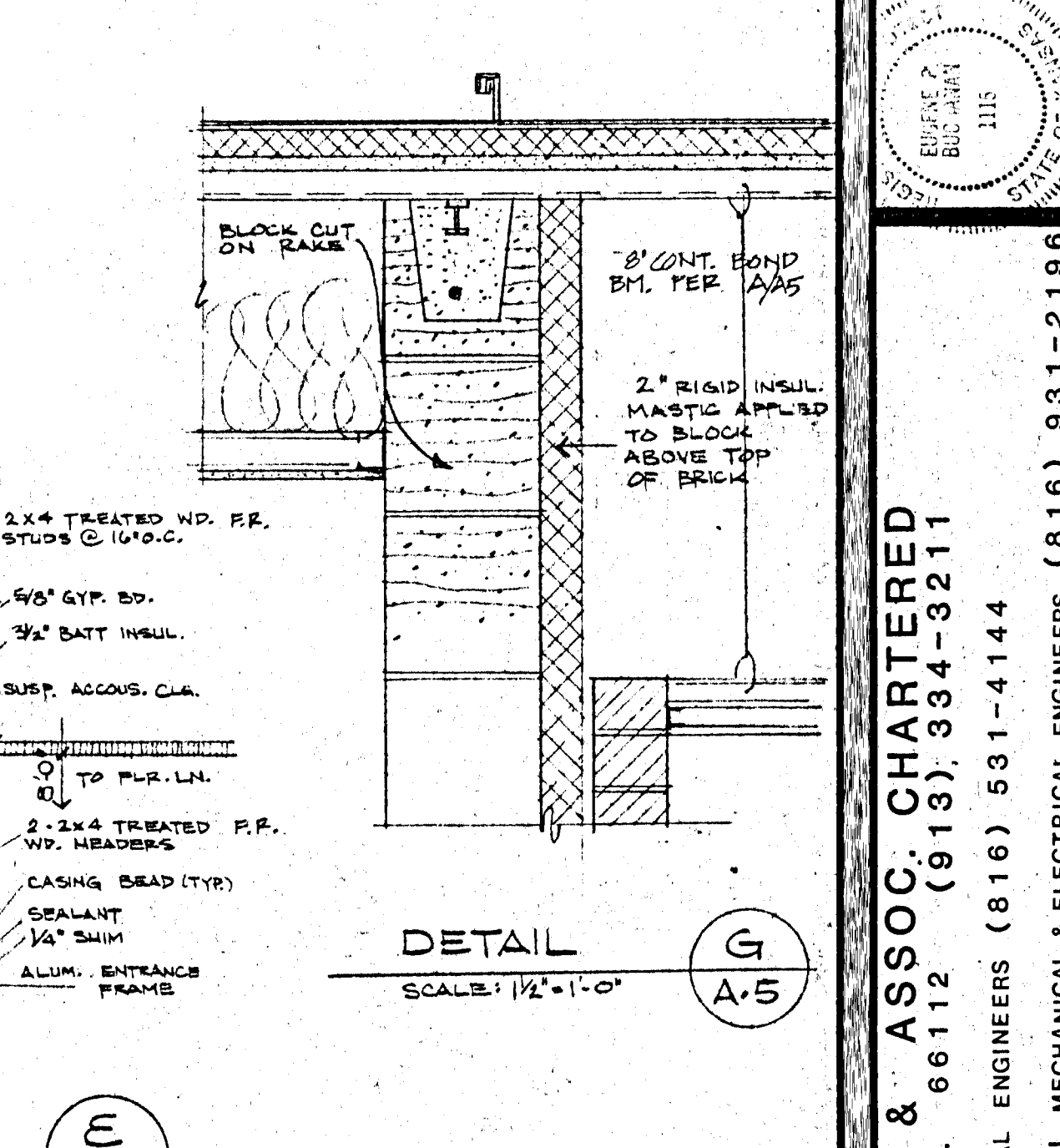
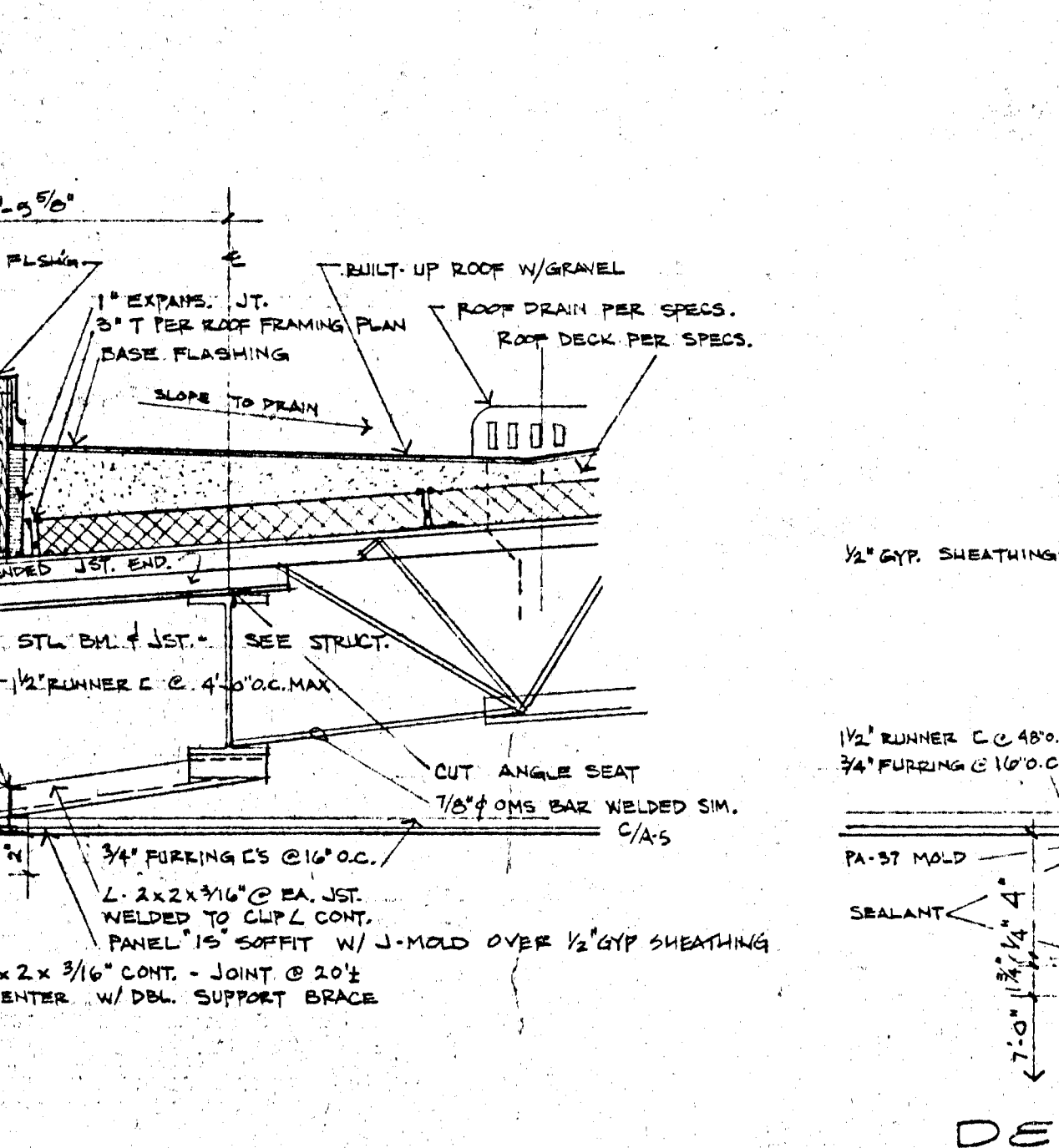
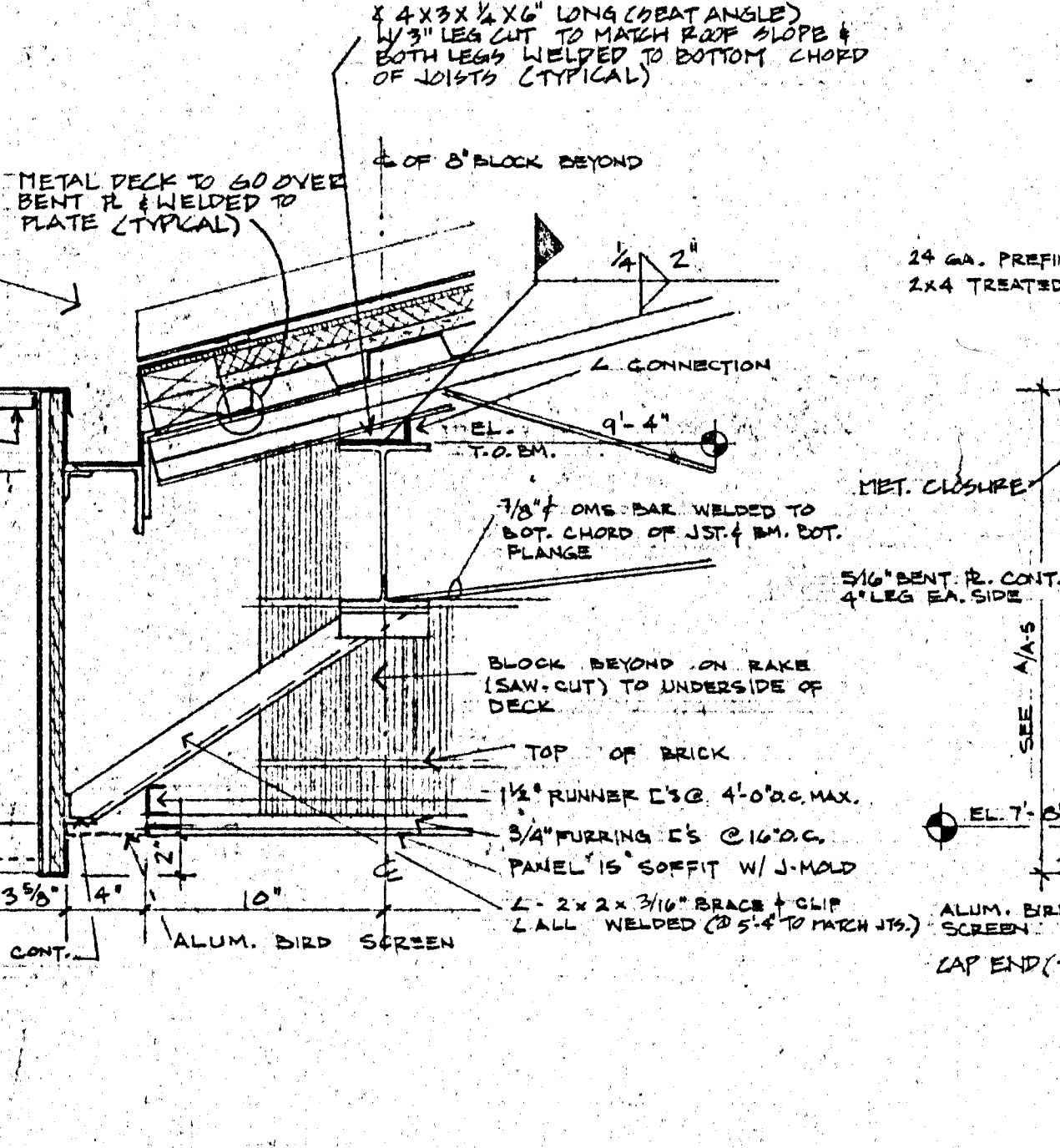
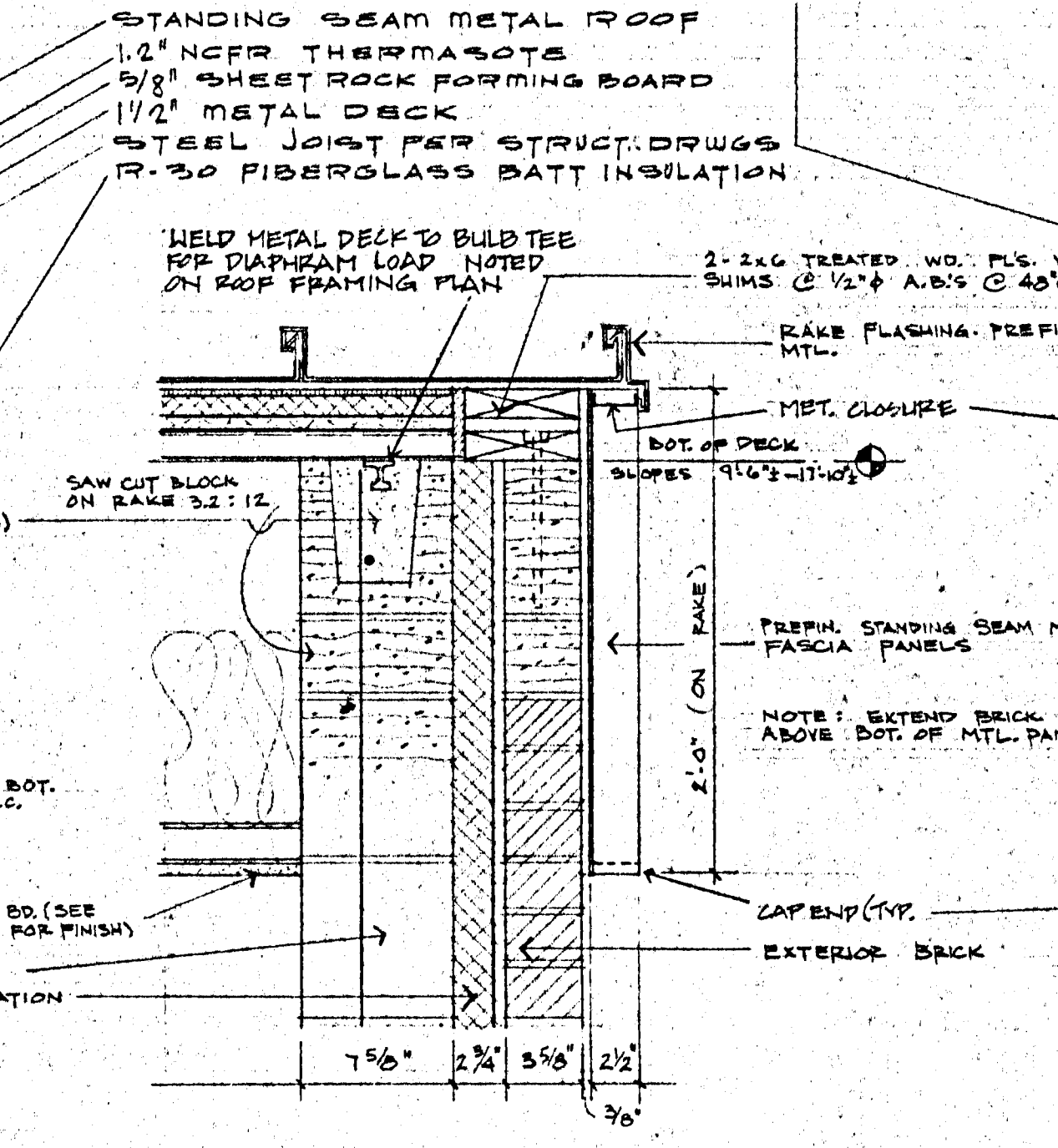
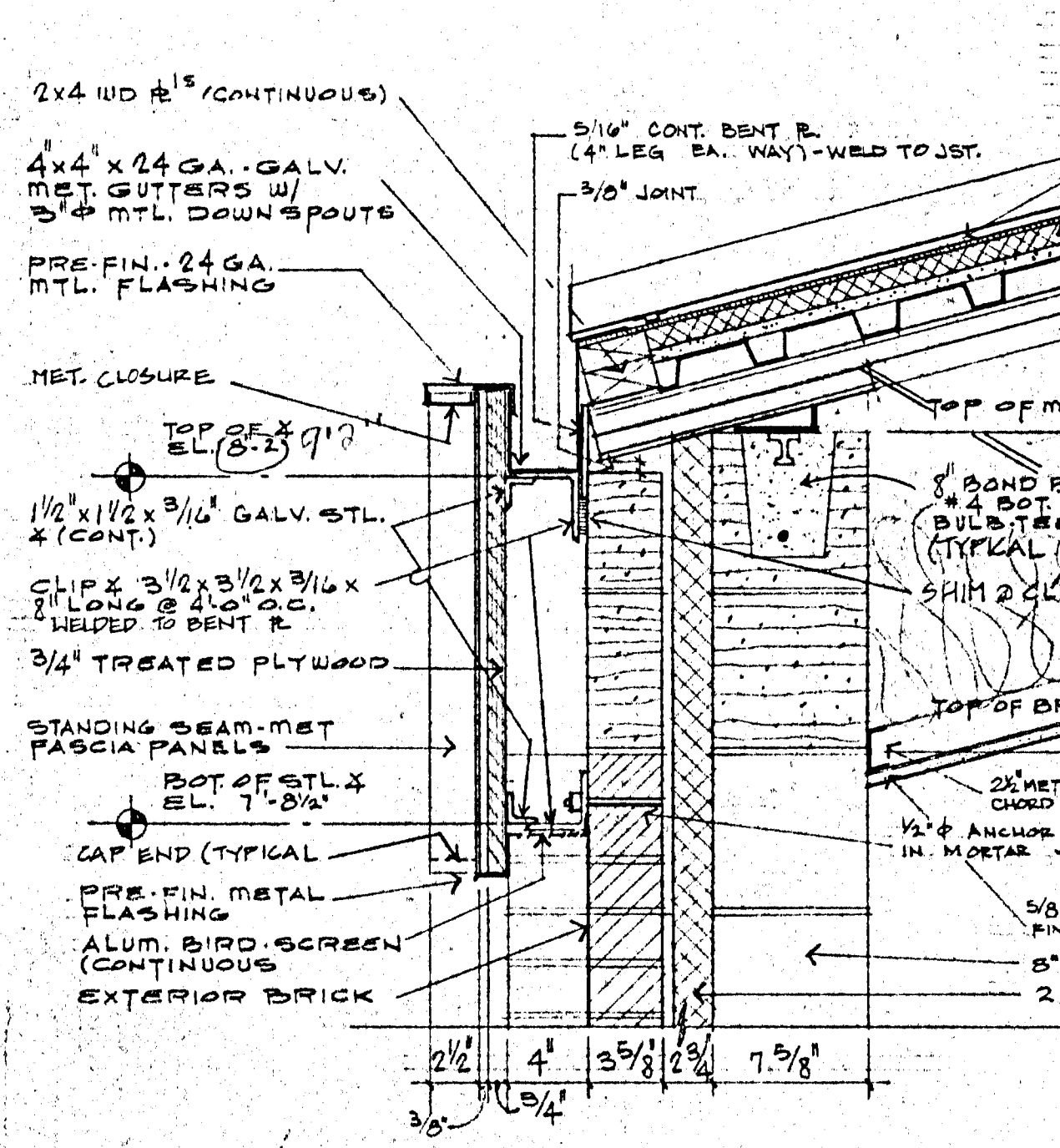
INTERIOR ELEVATION J
SCALE: 1/8" = 1'-0"



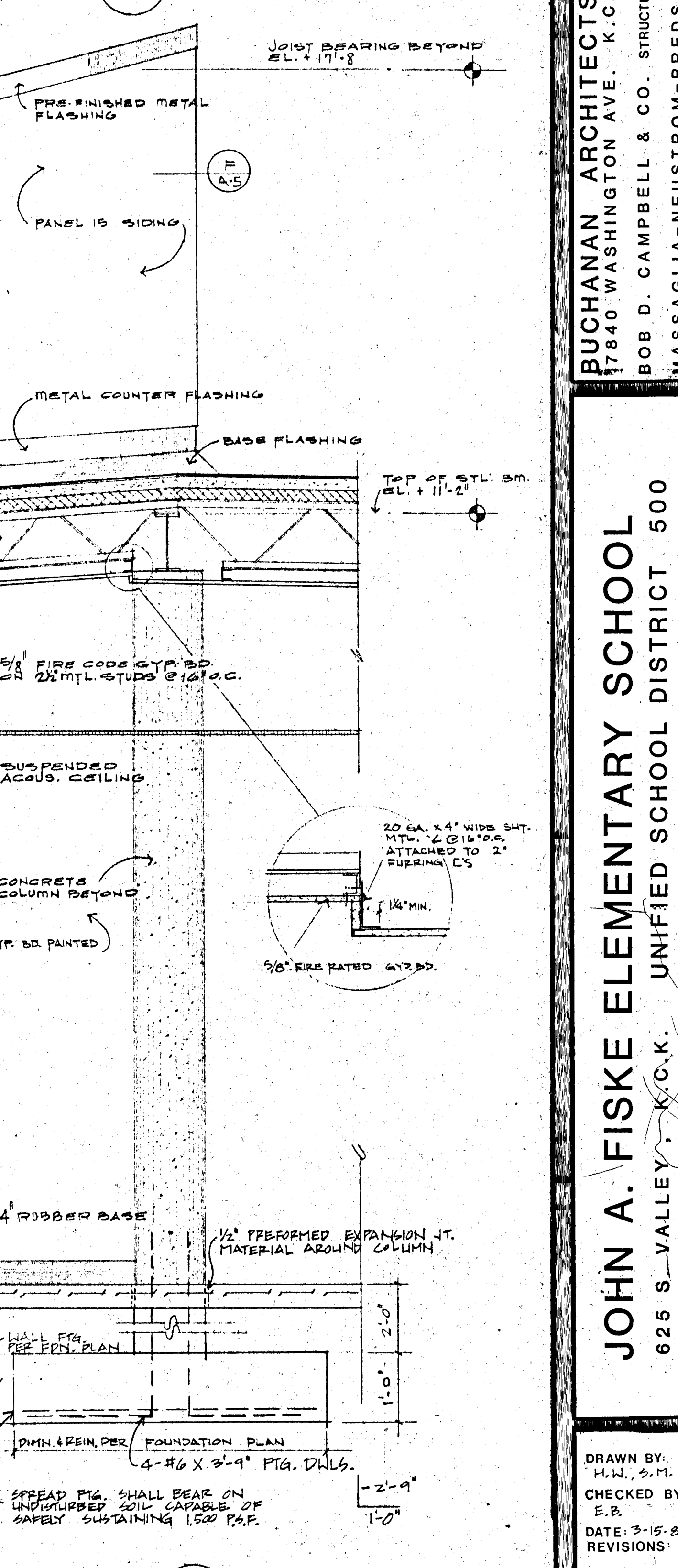
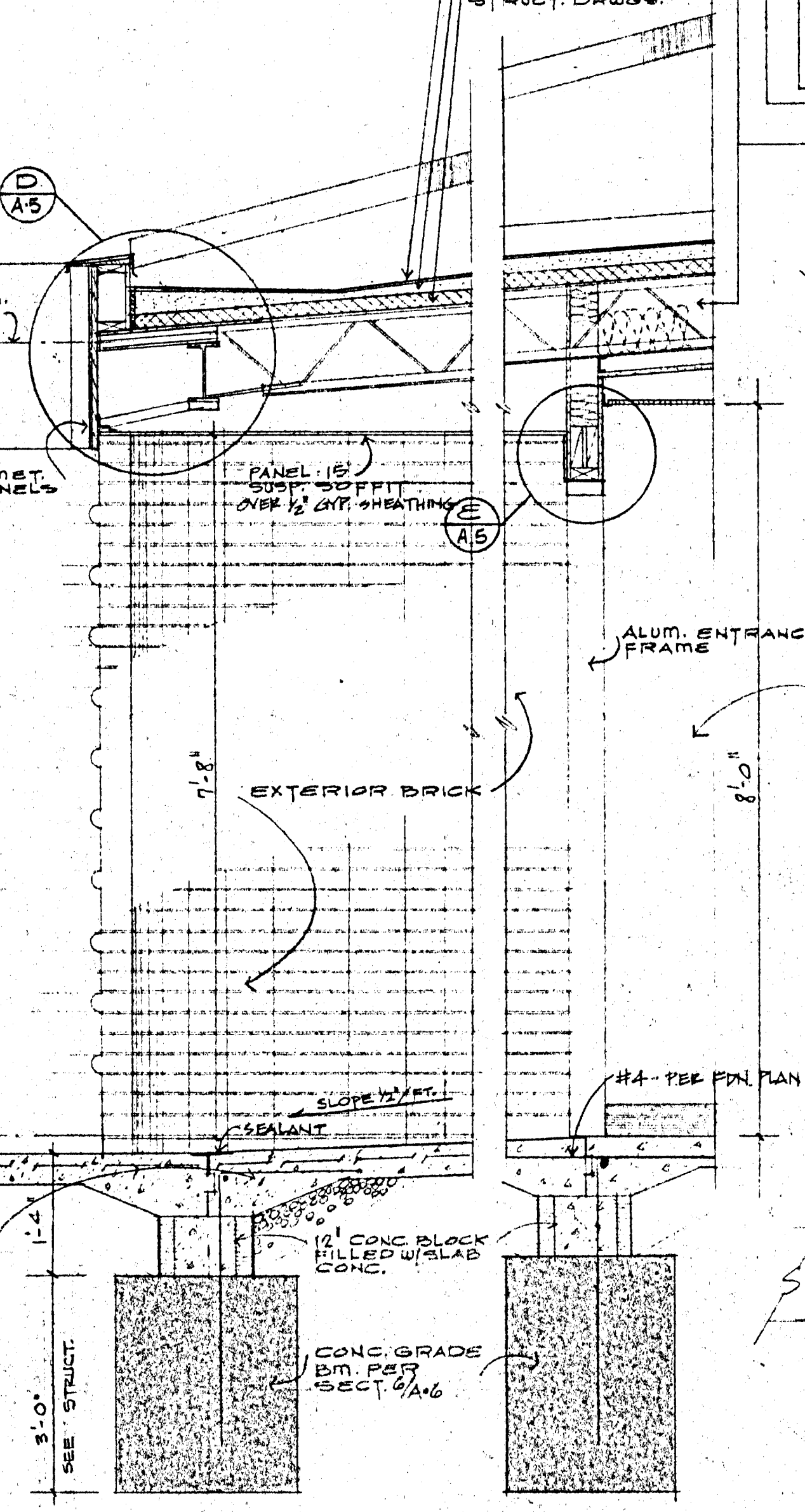
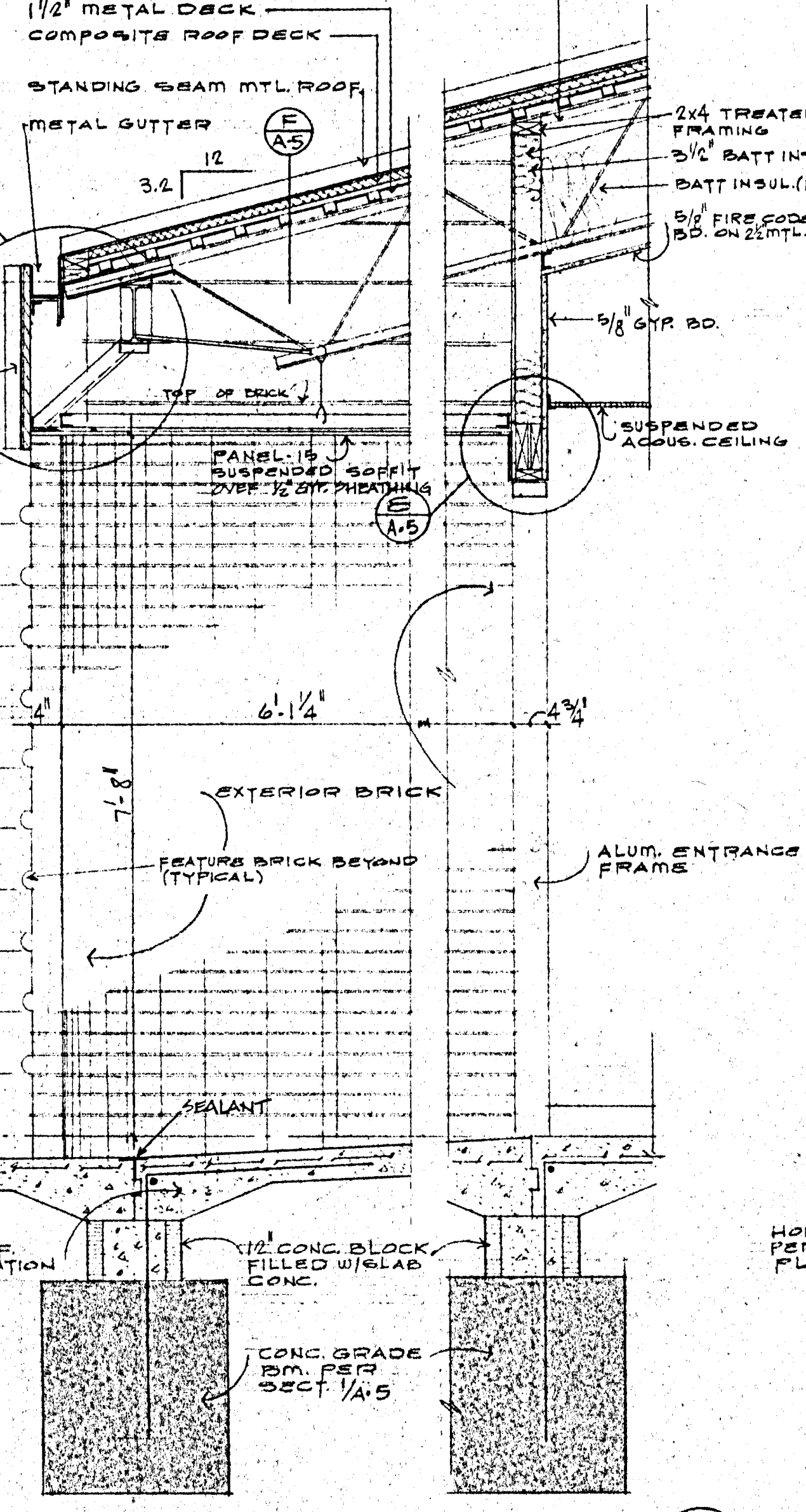
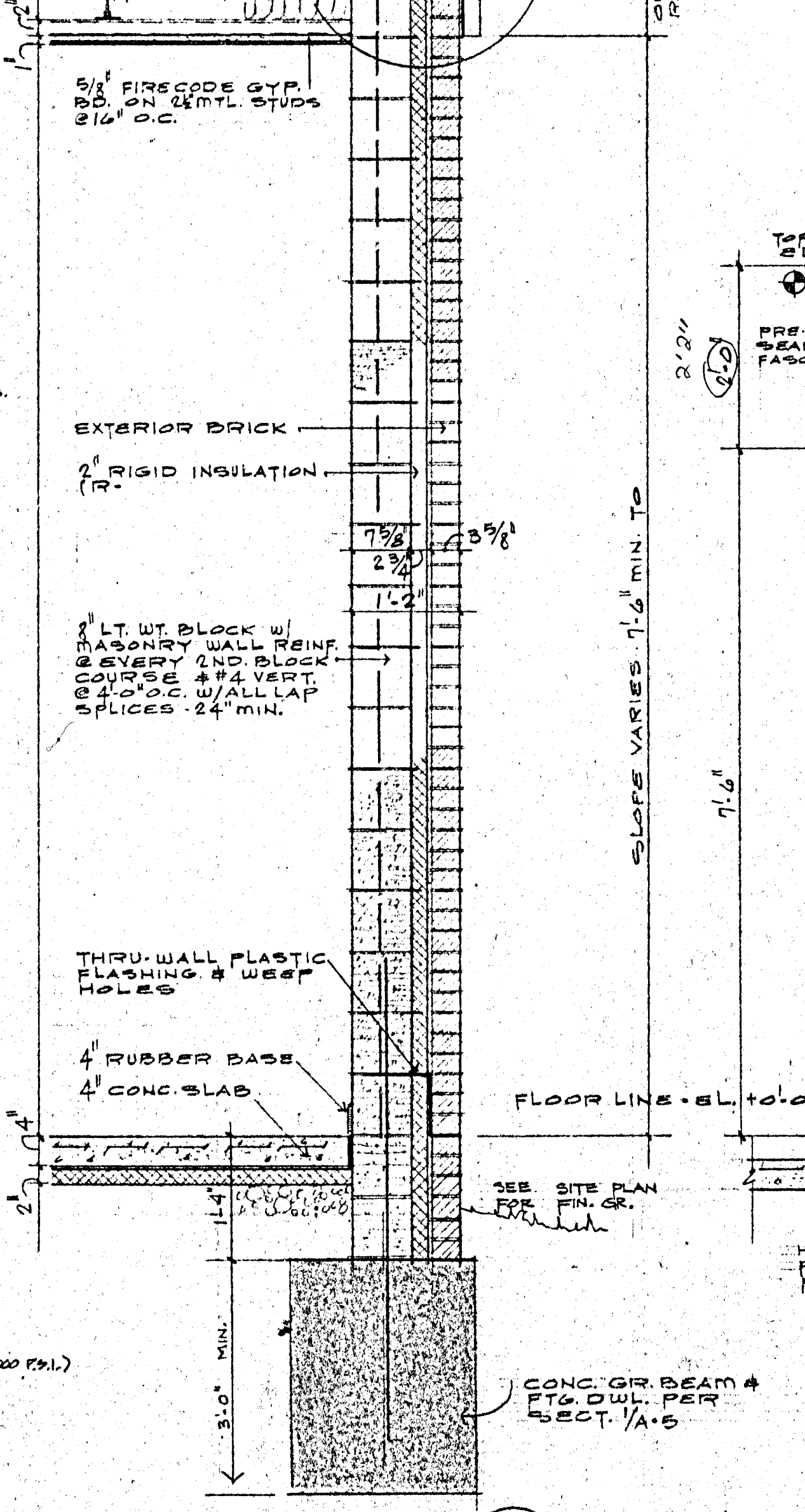
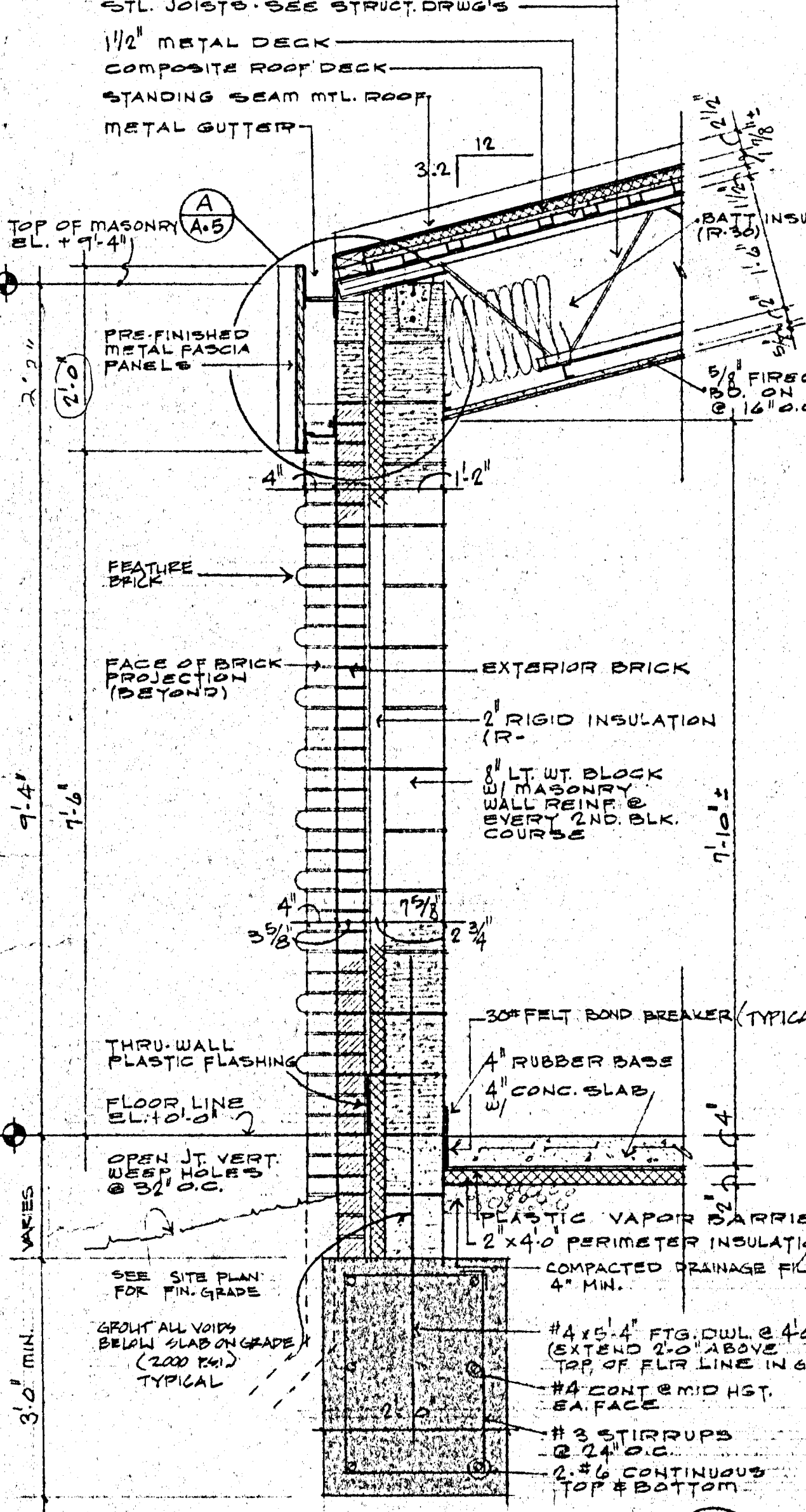
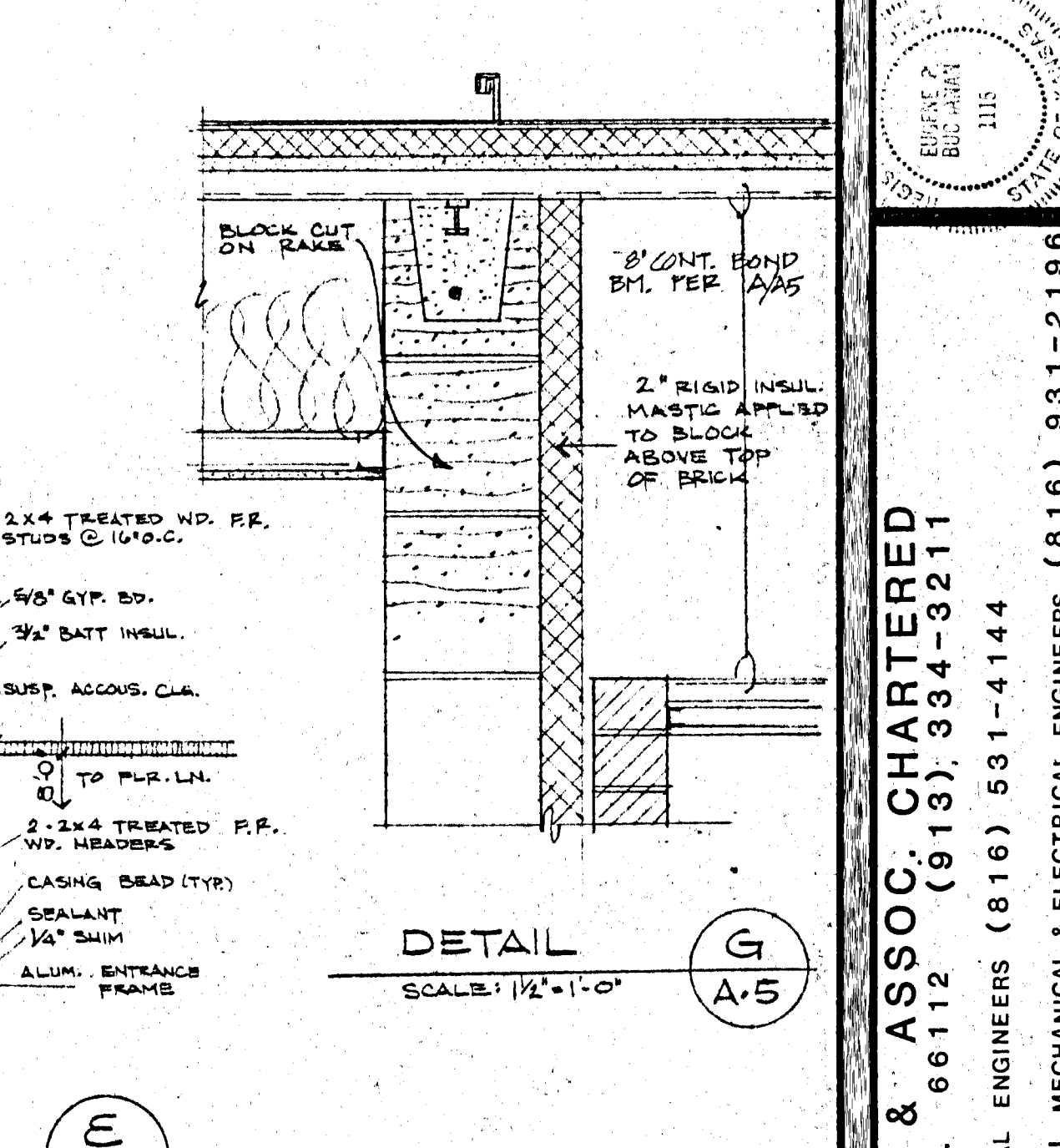
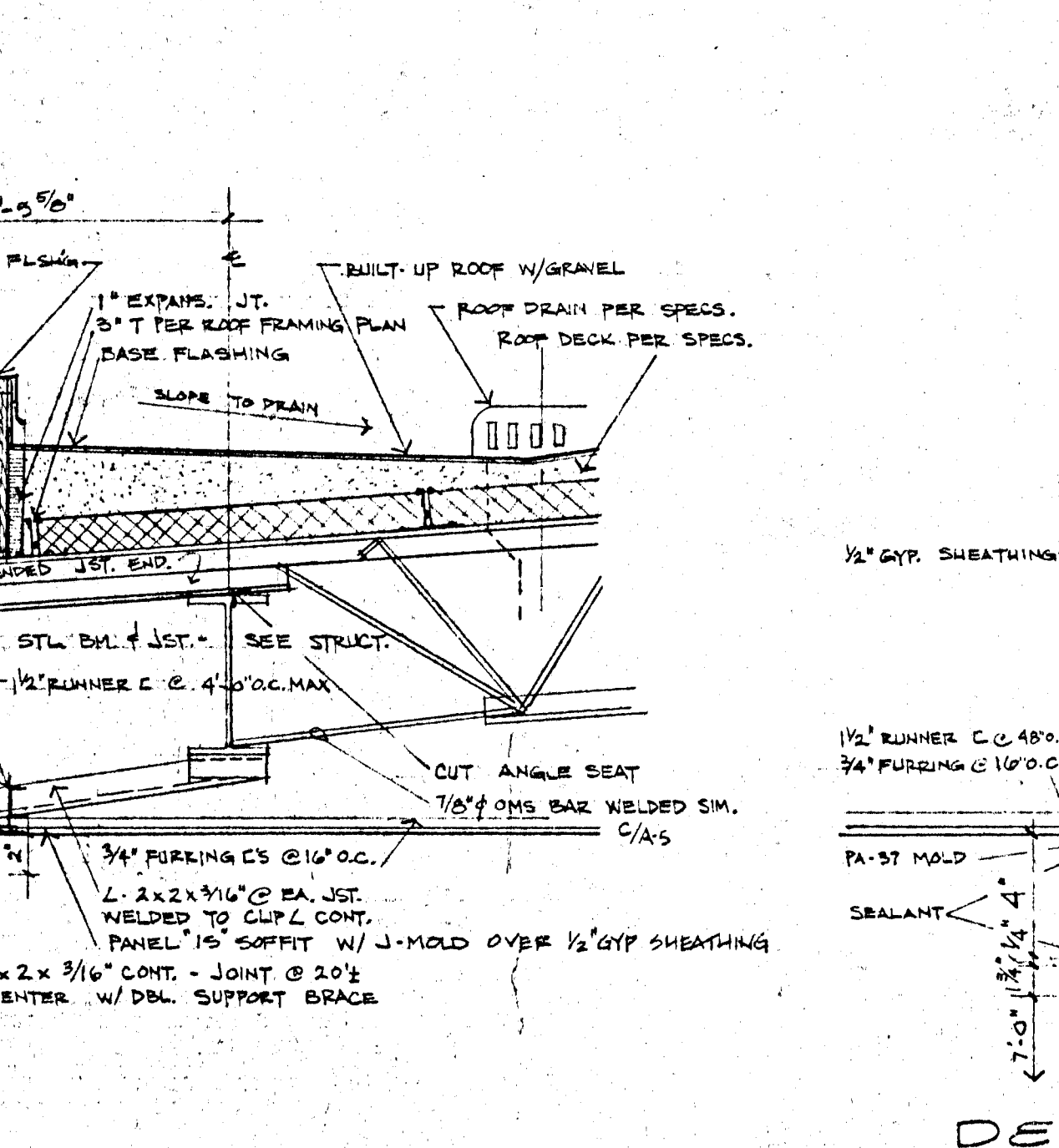
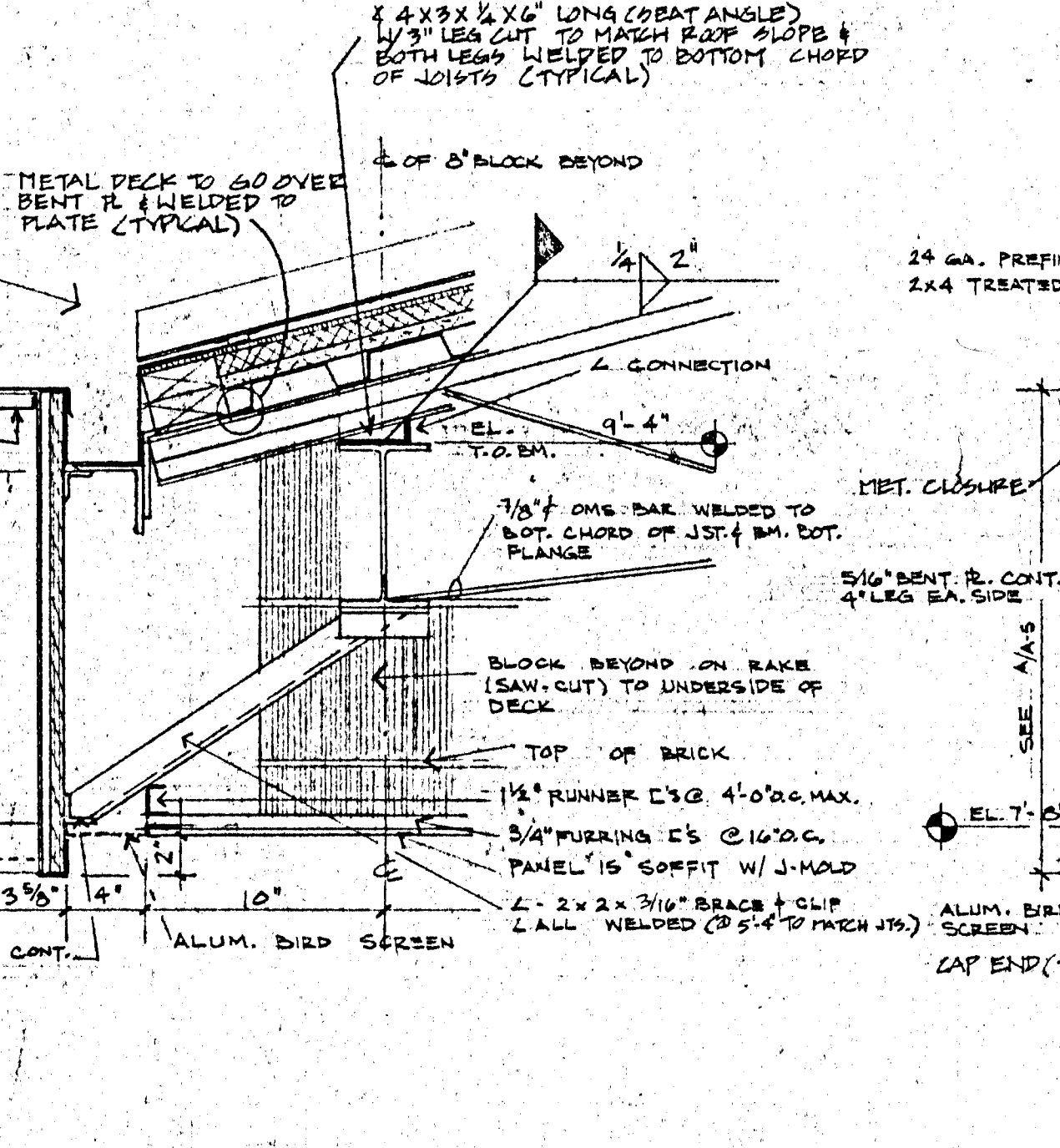
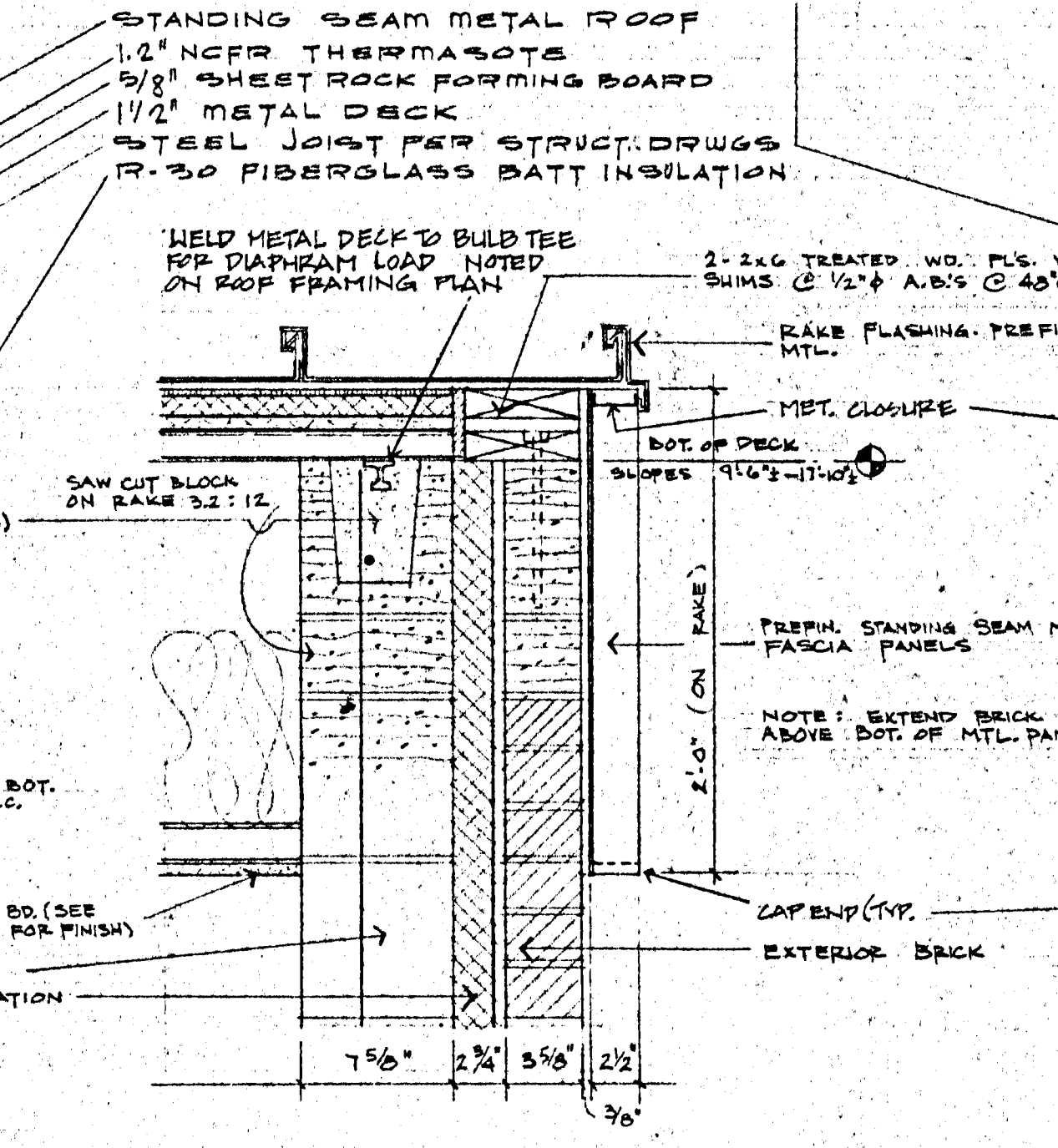
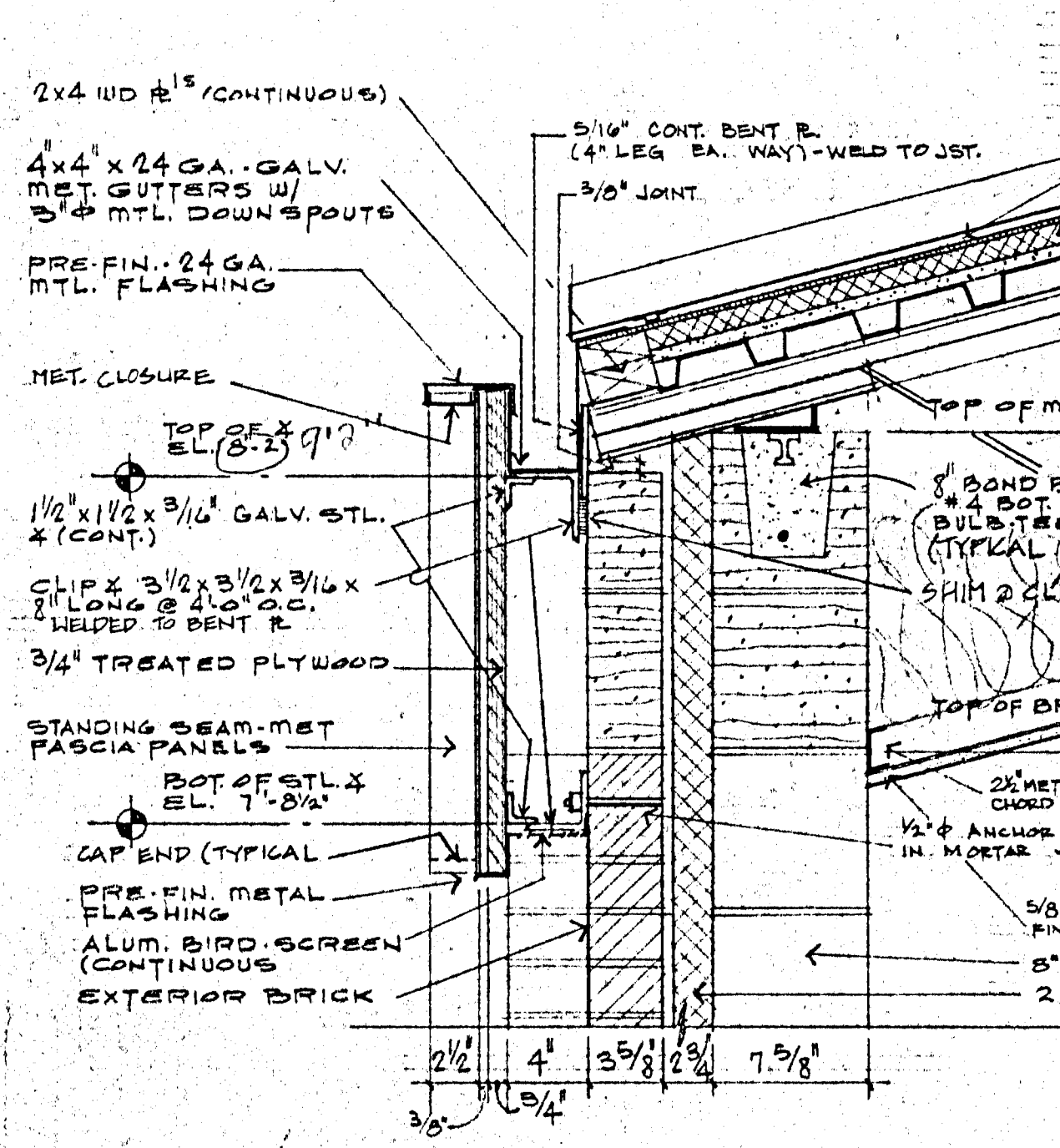
BUILDING CROSS SECTION D
SCALE: 1/8" = 1'-0"

- FINISH LEGEND**
- ① 3/8" GYP BR. FIRE PROTECTION (UNFINISHED)
 - ② 3/8" GYP BR. FIRE PROTECTION (W/ GREAT ACOUSTIC)
 - ③ GYP. ACOUSTICAL CEILING
 - ④ GYP. BR. PAINTED
 - ⑤ CONC. COLUMN PAINTED
 - ⑥ BLOCK PAINTED
 - ⑦ RUBBER BASE
 - ⑧ SLOTTED BLOCK WAINSCOT
 - ⑨ BLOCK W/ ACOUST. GREAT TEXT. FINISH
 - ⑩ PAINT GRILLE FRAMES

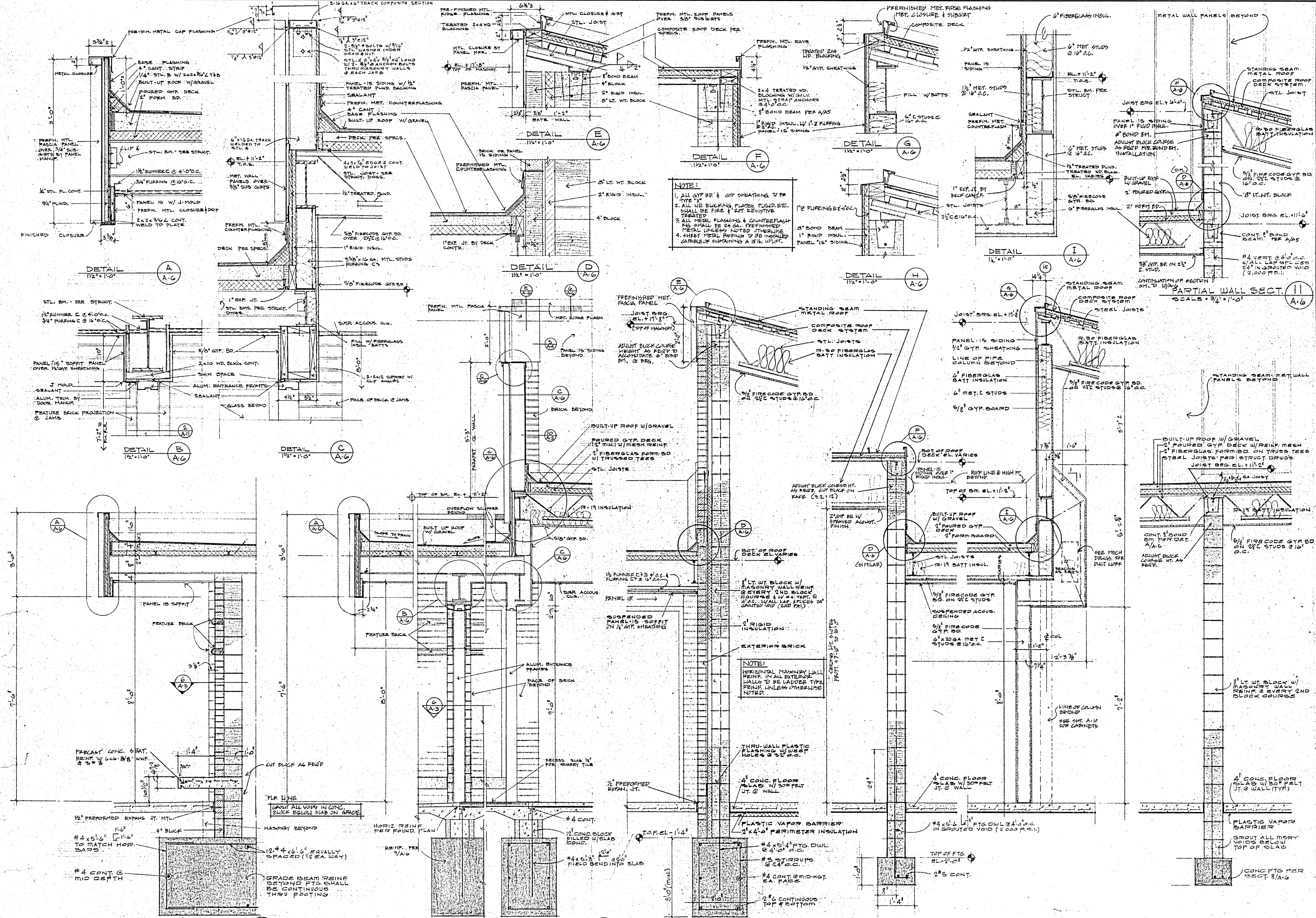
BUCHANAN ARCHITECTS & ASSOC. CHARTERED
 17840 WASHINGTON AVE. K.C.K. 66112 (913) 334-3211
 BOB D. CAMPBELL & CO. STRUCTURAL ENGINEERS (816) 531-4144
 MASSAGLIA-NEUSTROM-BREDDON MECHANICAL & ELECTRICAL ENGINEERS (816) 931-2196
 JOHN A. FISKE ELEMENTARY SCHOOL
 UNIFIED SCHOOL DISTRICT 500
 625 S. VALLEY, K.C.K.
 DRAWN BY: H.H., G.J.
 CHECKED BY: E.B.
 DATE: 3-15-83
 REVISIONS:
 SHEET NO. A.4



BUCHANAN ARCHITECTS & ASSOC. CHARTERED
 17840 WASHINGTON AVE. K.C.K. 66112 (913) 334-3211
 BOB D. CAMPBELL & CO. STRUCTURAL ENGINEERS (816) 531-4144
 MASSAGLIA-NEUSTROM-BREDSON MECHANICAL & ELECTRICAL ENGINEERS (816) 931-2198
 JOHN A. FISKE ELEMENTARY SCHOOL
 625 S. VALLEY K.C.K. UNIFIED SCHOOL DISTRICT 500
 DRAWN BY: H.W. S.M.
 CHECKED BY: E.B.
 DATE: 3-15-83
 REVISIONS:
 SHEET NO. A-5



BUCHANAN ARCHITECTS & ASSOC. CHARTERED
 17840 WASHINGTON AVE. K.C.K. 66112 (913) 334-3211
 BOB D. CAMPBELL & CO. STRUCTURAL ENGINEERS (816) 531-4144
 MASSAGLIA-NEUSTROM-BREDSON MECHANICAL & ELECTRICAL ENGINEERS (816) 931-2198
 JOHN A. FISKE ELEMENTARY SCHOOL
 625 S. VALLEY K.C.K. UNIFIED SCHOOL DISTRICT 500
 DRAWN BY: H.W. S.M.
 CHECKED BY: E.B.
 DATE: 3-15-83
 REVISIONS:
 SHEET NO. A-5



NOTE:

1. ALL GYP. BD. & GYP. SHEATHING TO BE TYPE "X"
2. ALL W.P. FLASHING PLATES, FURRING, ETC. SHALL BE FIRE & RESISTIVE TREATED
3. ALL METAL FLASHING & COUNTERFLASH SHALL BE 24 GA. PREFINISHED METAL UNLESS NOTED OTHERWISE
4. SHEET METAL FLASHING TO BE INSTALLED CARABOL SUSTAINING A 15 LB. WEIGHT

SECTION THRU CANOPY (5)
SCALE: 3/4" = 1'-0"

SECTION THRU MAIN ENTRANCE (6)
SCALE: 3/4" = 1'-0"

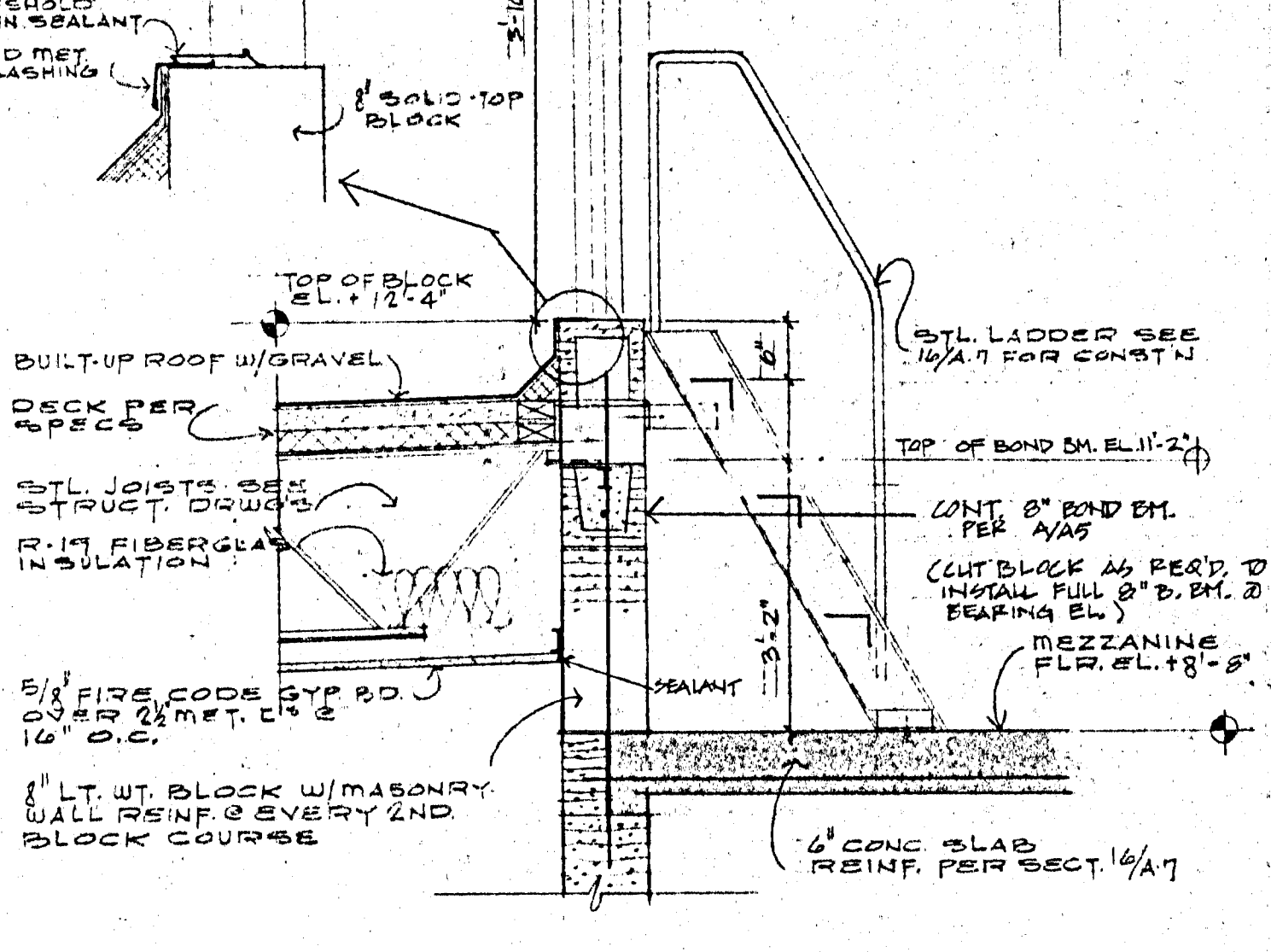
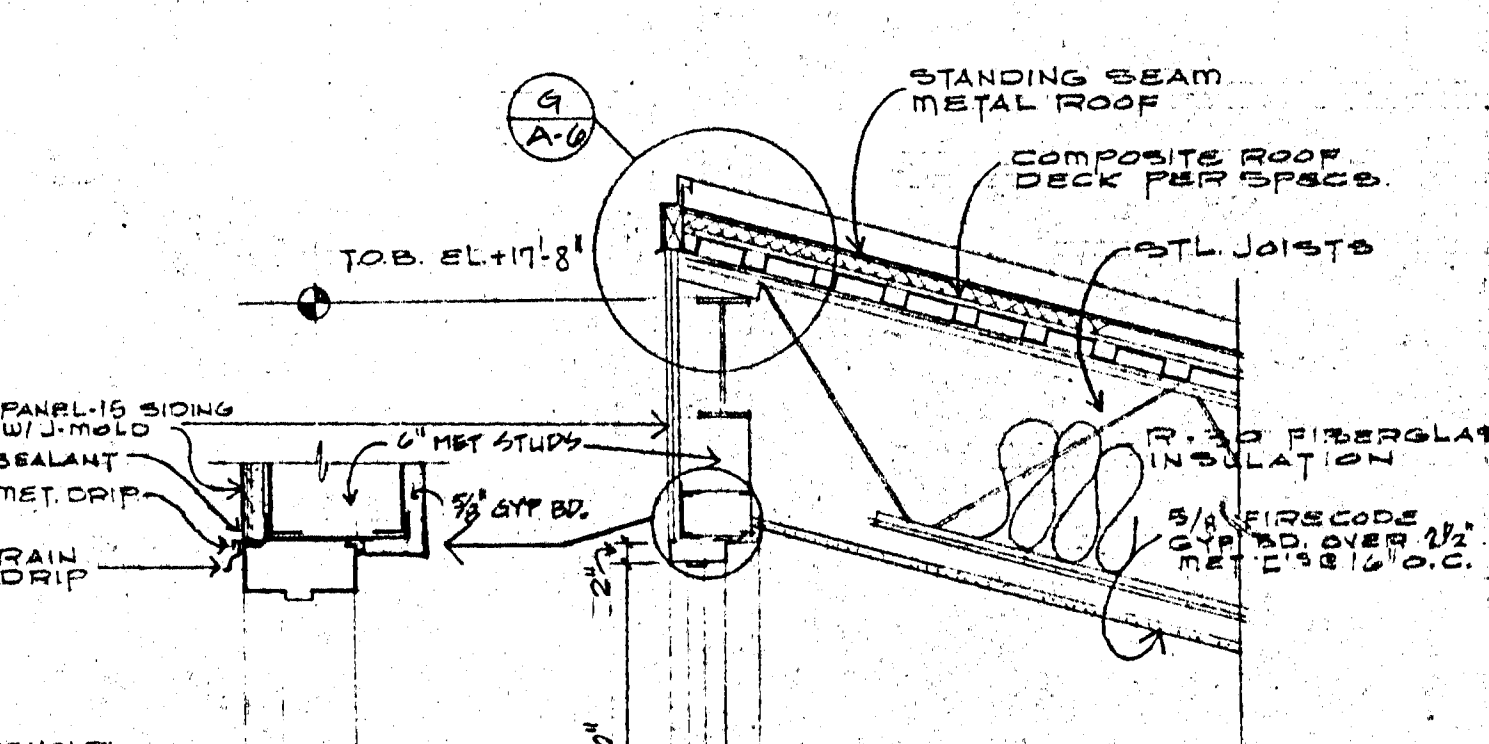
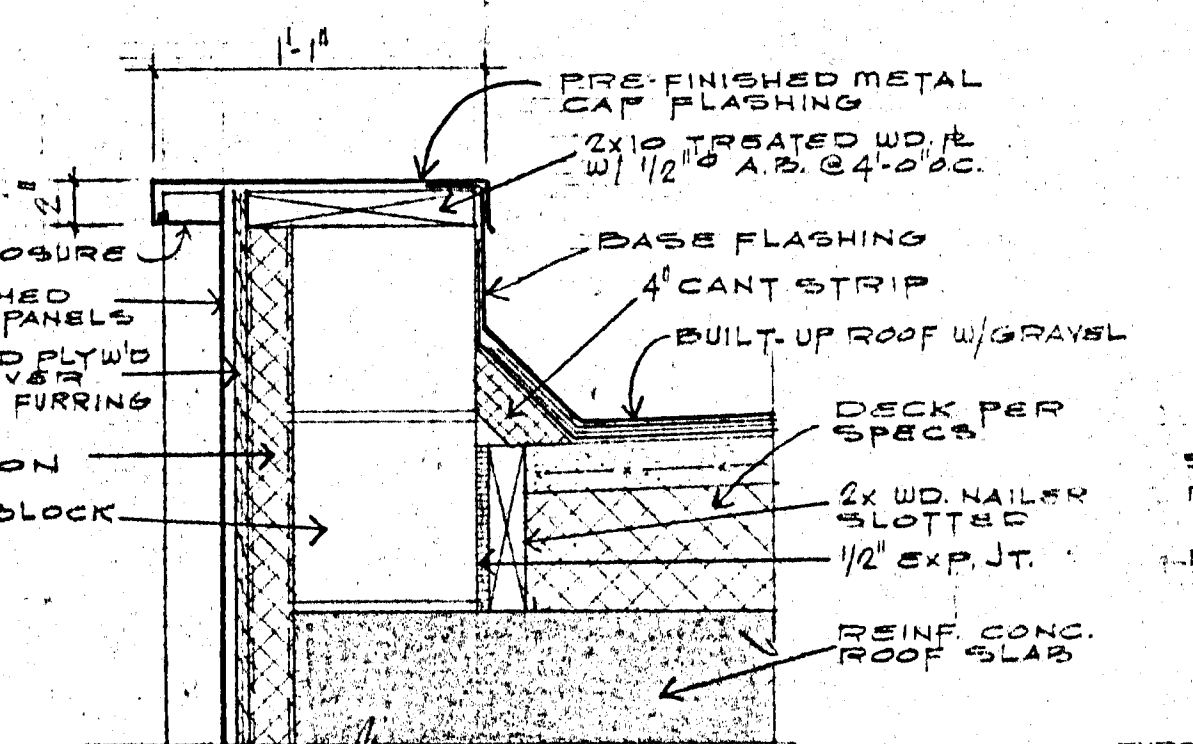
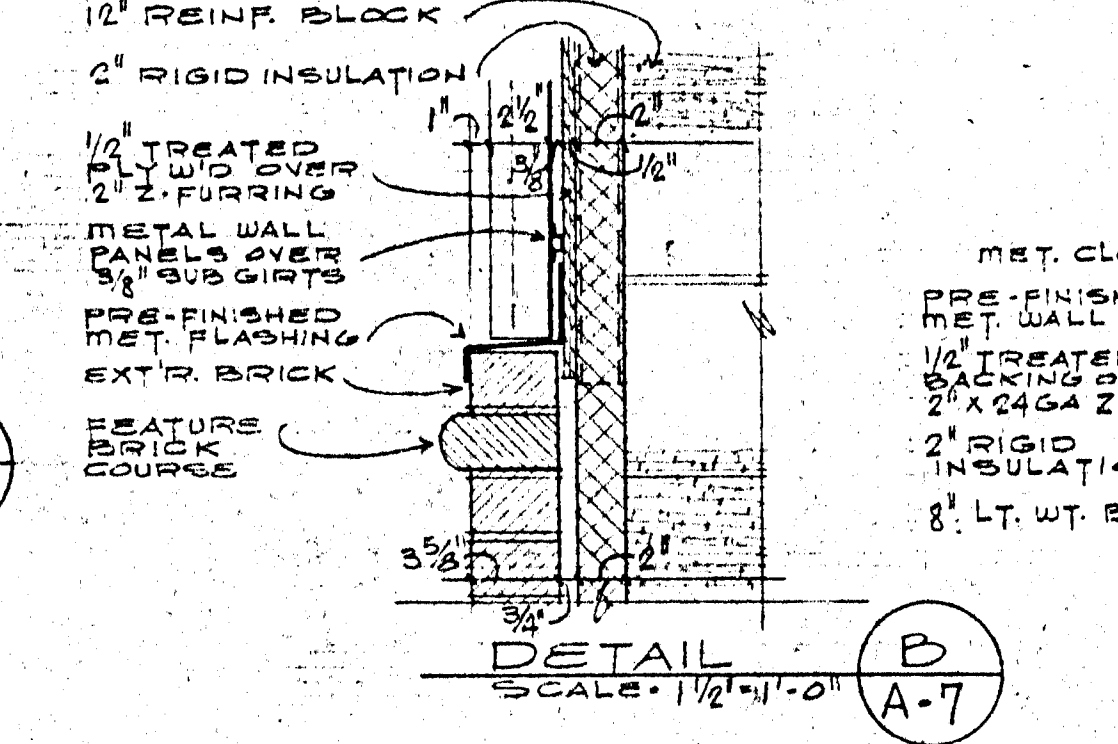
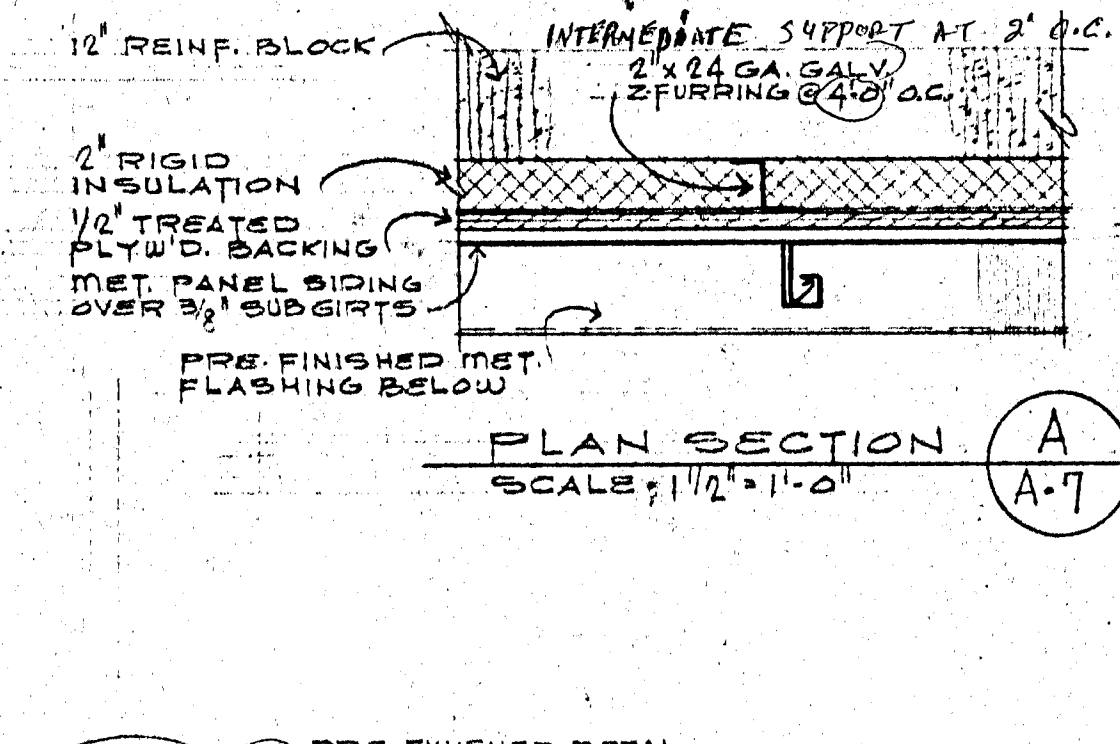
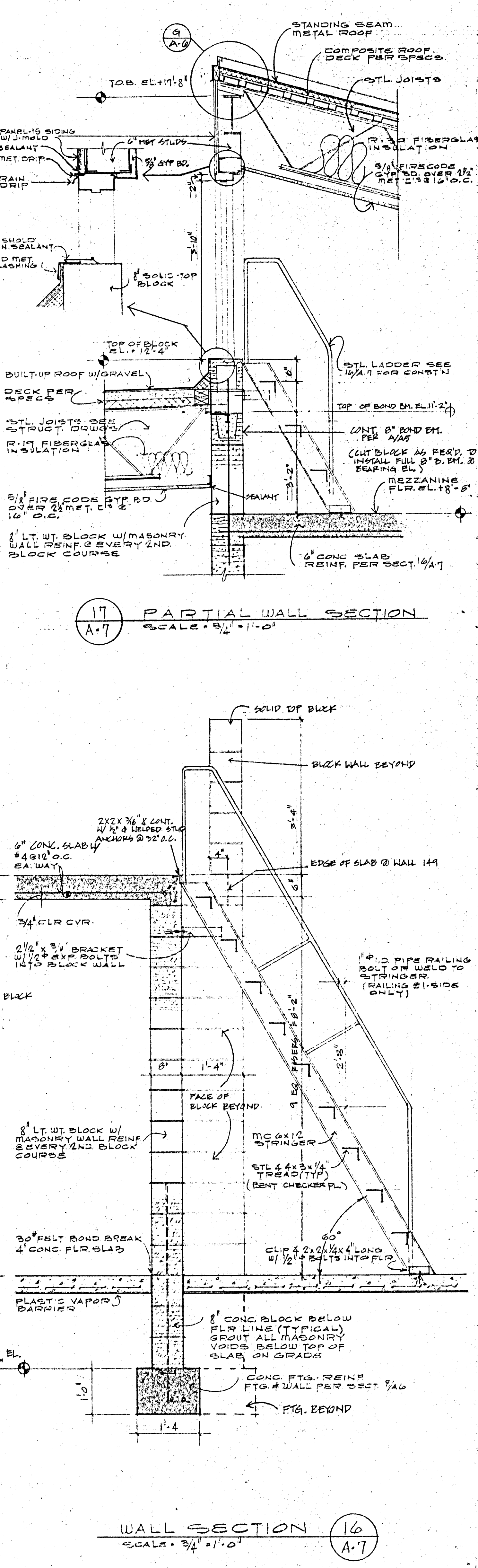
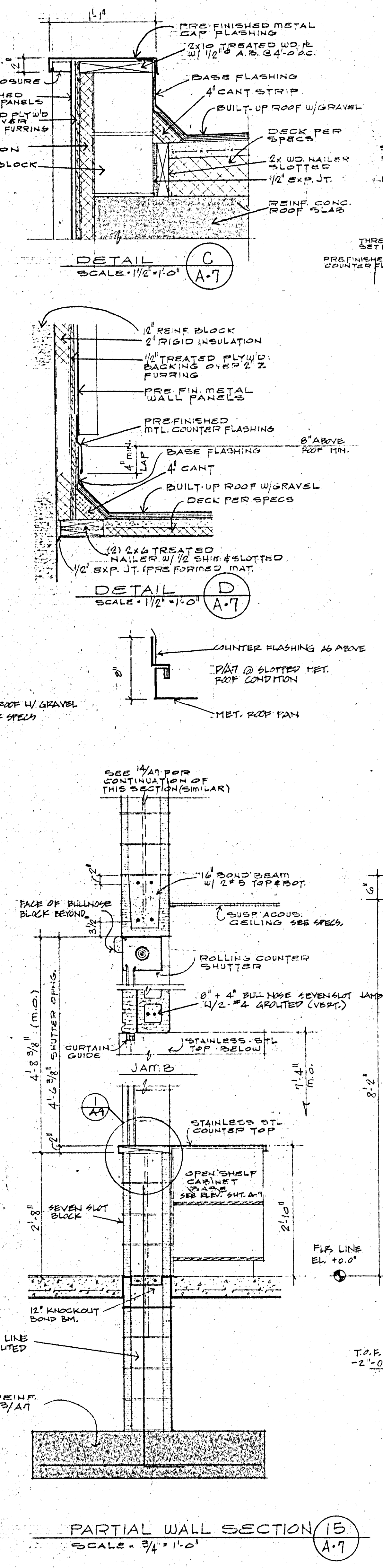
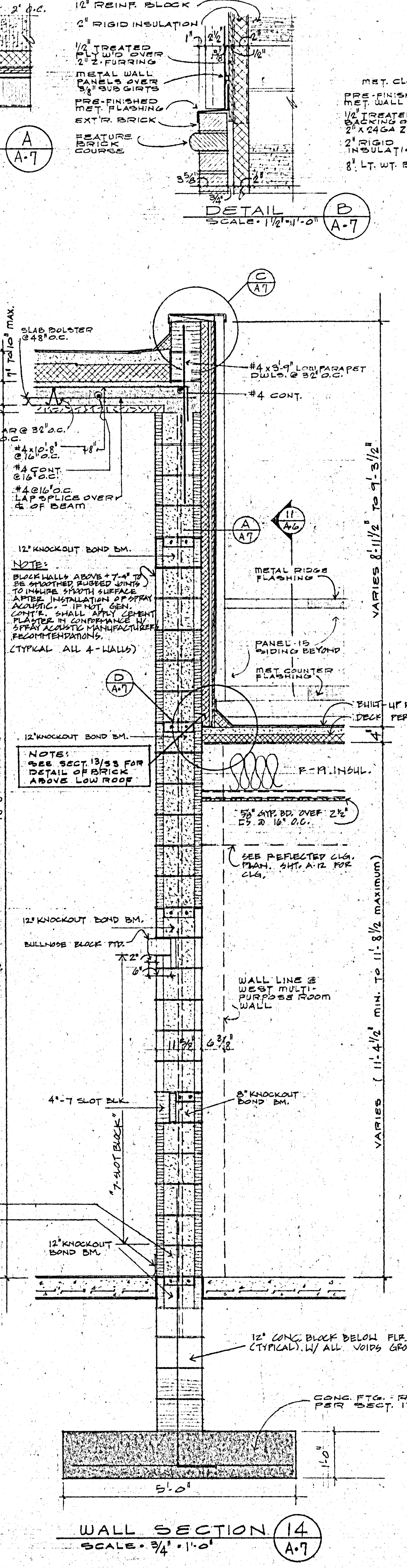
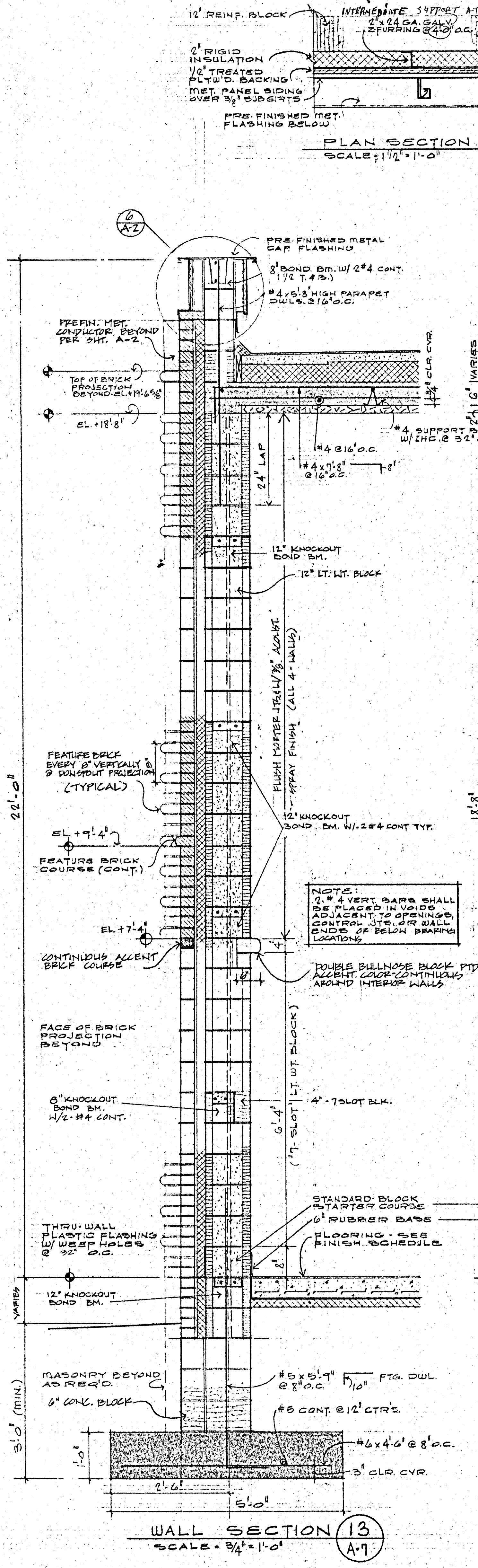
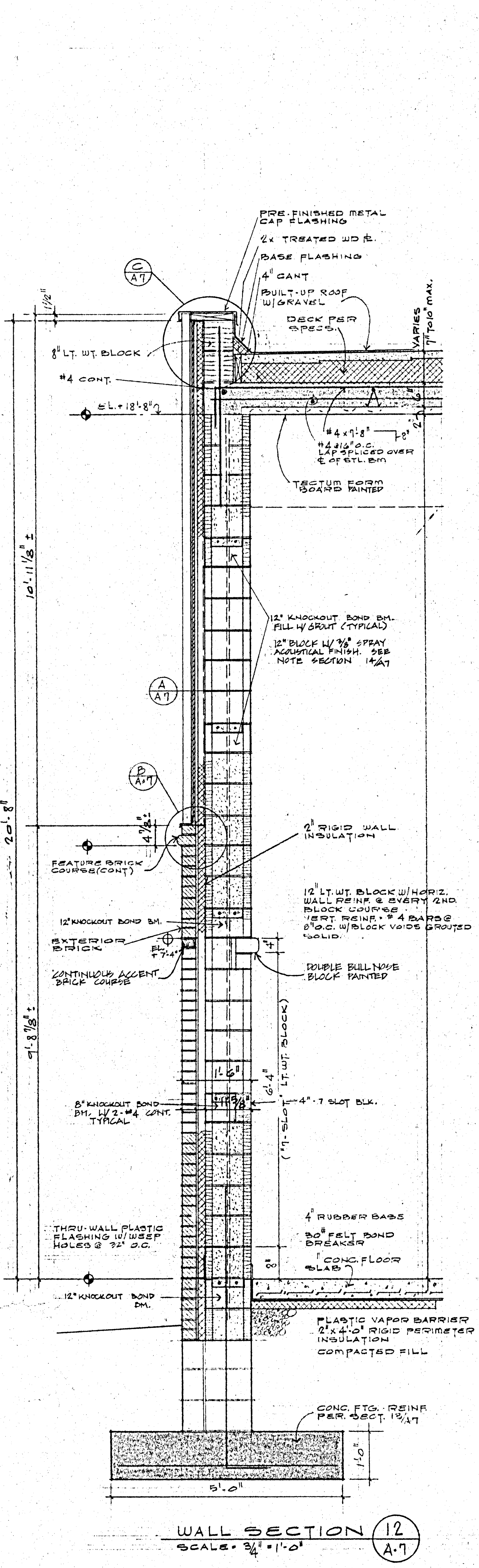
WALL SECTION (7)
SCALE: 3/4" = 1'-0"

WALL SECTION (8)
SCALE: 3/4" = 1'-0"

WALL SECTION (9)
SCALE: 3/4" = 1'-0"

WALL SECTION (10)
SCALE: 3/4" = 1'-0"

BUCHANAN ARCHITECTS & ASSOC. CHARTERED
 17840 WASHINGTON AVE. K.C.K. 66112 (813) 334-3211
 BOB D. CAMPBELL & CO. STRUCTURAL ENGINEERS (816) 531-4144
 MASSAGLIA-NEUSTROM-BREDSON MECHANICAL & ELECTRICAL ENGINEERS (816) 931-2196
 JOHN A. FISKE ELEMENTARY SCHOOL
 625 S. VALLEY, K.C.K.
 UNIFIED SCHOOL DISTRICT 500
 DRAWN BY: H.L.L., S.M.
 CHECKED BY: E.B.
 DATE: 3-15-83
 REVISIONS:
 SHEET NO. A-6

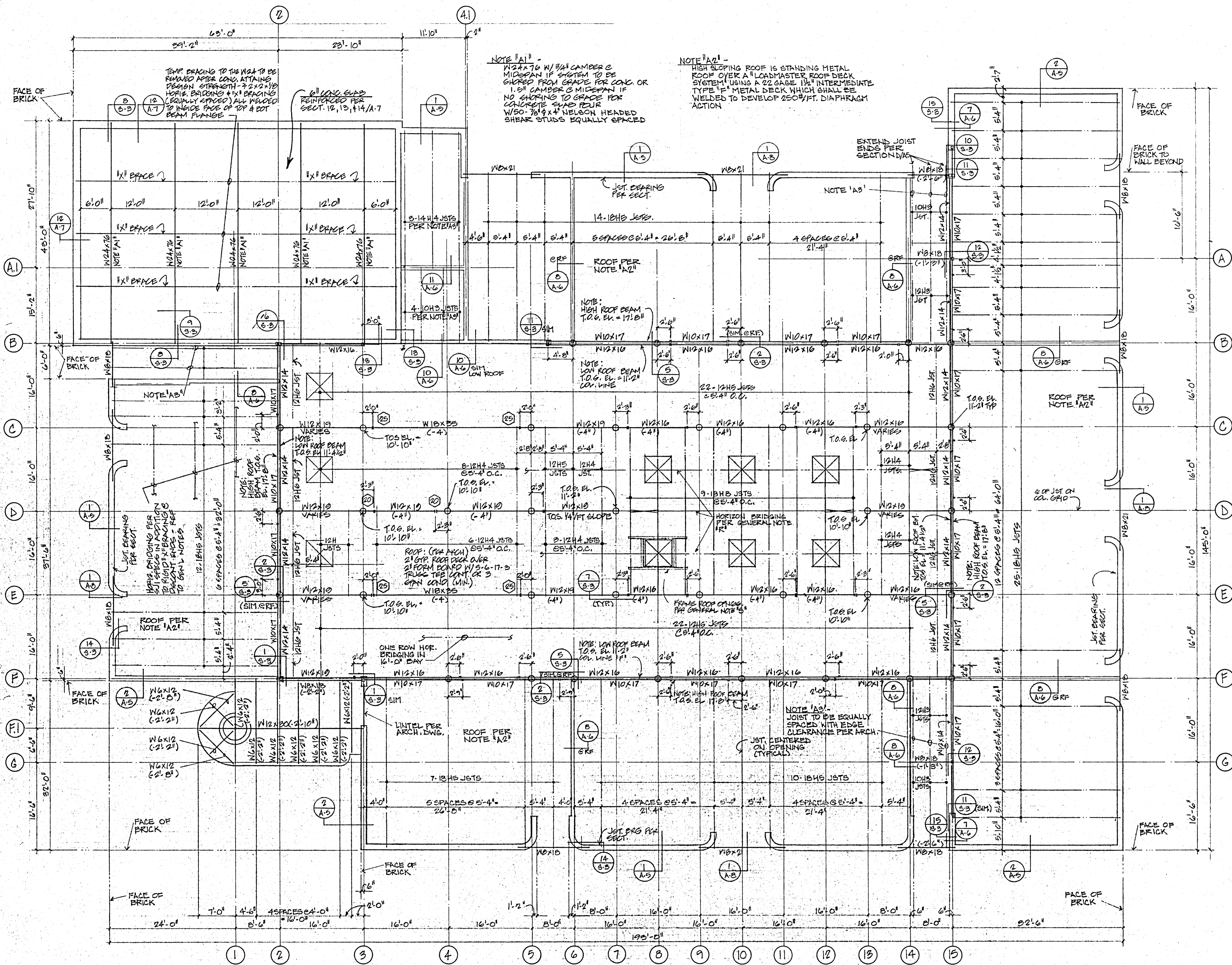


BUCHANAN ARCHITECTS & ASSOC. CHARTERED
 17840 WASHINGTON AVE. K.C.K. 66112 (913) 334-3211
 BOB D. CAMPBELL & CO. STRUCTURAL ENGINEERS (816) 531-4144
 MASSAGLIA-NEUSTROM-BREDSON MECHANICAL & ELECTRICAL ENGINEERS (816) 931-2190

JOHN A. FISKE ELEMENTARY SCHOOL
 UNIFIED SCHOOL DISTRICT 500
 625 S. VALLEY, K.C.K.

DRAWN BY: H.W., S.M.
 CHECKED BY: E.B.
 DATE: 3-15-83
 REVISIONS:

SHEET NO
A-7



ROOF FRAMING PLAN

1/8" = 1'-0"



- NOTES:
1. TOP OF STEEL (T.O.S.) ELEVATION 11'-2 1/2" UNLESS NOTED (C.4) OR NOTED OTHERWISE ON PLAN
 2. ROOF SNOW LOAD IN ACCORDANCE WITH UBC 1982 AND ANSI A58.1 - 1982
 3. STRUCTURAL STEEL BEAM CONNECTIONS SHALL BE DESIGNED FOR A MINIMUM OF 15 KIPS UNLESS NOTED OTHERWISE AS (20) (20 KIPS) OR SPECIFIC CALLOUT.
 4. ROOF DESIGN SNOW LOAD IN ACCORDANCE WITH 1982 UBC AND DRIFT CRITERIA PER ANSI A58.1 - 1982 (20 PSF MIN. ON FLAT ROOF).



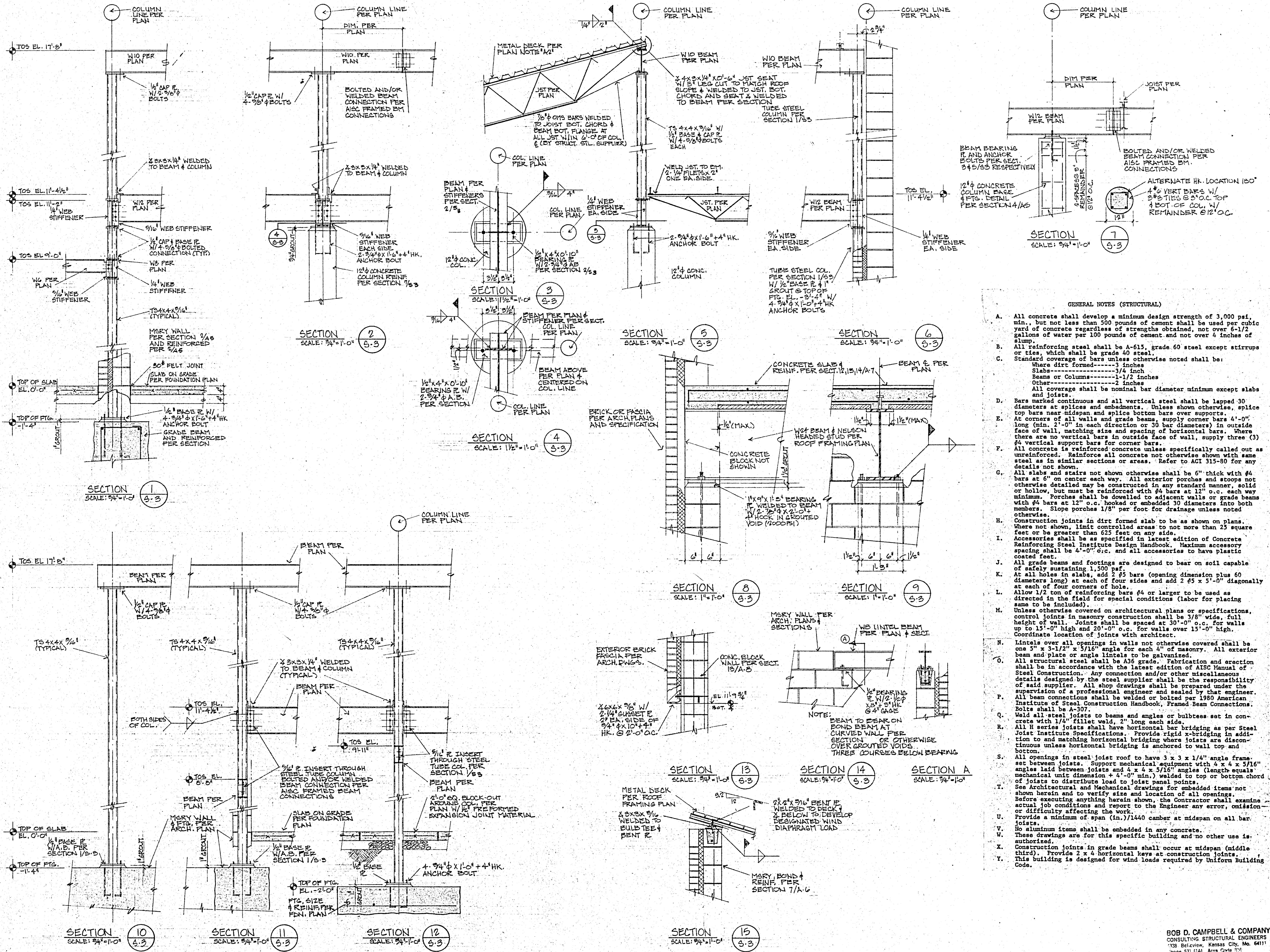
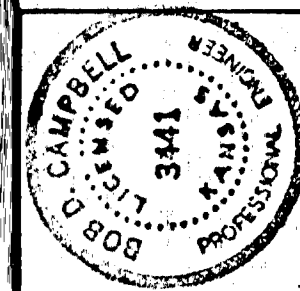
BUCHANAN ARCHITECTS & ASSOC. CHARTERED
 17840 WASHINGTON AVE. K.C.K. 66112 (913) 334-3211
 BOB D. CAMPBELL & CO. STRUCTURAL ENGINEERS (816) 531-4144
 MASSAGLIA-NEUSTROM-BREDSON MECHANICAL & ELECTRICAL ENGINEERS (816) 931-2196

JOHN A. FISKE ELEMENTARY SCHOOL
 UNIFIED SCHOOL DISTRICT 500
 625 S. VALLEY, K.C.K.

DRAWN BY: LSJ+MRS
 CHECKED BY: LSJ
 DATE: 8-15-83
 REVISIONS:

SHEET NO

BOB D. CAMPBELL & COMPANY
 CONSULTING STRUCTURAL ENGINEERS
 1338 Bellevue, Kansas City, Mo. 64111
 Phone 531-4144 Area Code 816



- GENERAL NOTES (STRUCTURAL)**
- All concrete shall develop a minimum design strength of 3,000 psi, min., but not less than 500 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6-1/2 gallons of water per 100 pounds of cement and not over 4 inches of slump.
 - All reinforcing steel shall be A-615, grade 60 steel except stirrups or ties, which shall be grade 40 steel.
 - Standard coverage of bars unless otherwise noted shall be:
 Slabs-----3/4 inch
 Beams or Columns-----1-1/2 inches
 Other-----2 inches
 All coverage shall be nominal bar diameter minimum except slabs and joists.
 - Bars marked continuous and all vertical steel shall be lapped 30 diameters at splices and embedments. Unless shown otherwise, splice top bars near midspan and splice bottom bars over supports.
 - At corners of all walls and grade beams, supply corner bars 4'-0\"/>

BOB D. CAMPBELL & COMPANY
 CONSULTING STRUCTURAL ENGINEERS
 1338 Bellevue, Kansas City, Mo. 64111
 Phone 531-6141 Area Code 913