

**ADDENDUM A (NON-DSA APPROVAL)**

**HAMMEL, GREEN AND ABRAHAMSON, INC.,  
ARCHITECTS & ENGINEERS**  
1918 Main Street, Third Floor  
Santa Monica, CA 90405

**PROJECT:**           **Santa Ana College**  
                          Science Center

**DATE:** 8/03/2017

**OWNER:**           **RSCCD**  
                          2323 N. Broadway, Suite 112  
                          Santa Ana, CA 92706

**DSA File No.: 30-C2**  
**DSA Applications No.:** 04-115788  
**HGA Commission No.:** 3584-001-00

**CONSTRUCTION MANAGER:**

**BERNARDS**  
3633 E. Inland Empire Blvd., Suite 800  
Ontario, CA 91764

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The additions, revisions, omissions, corrections and clarifications contained herein shall be made to drawings and specifications for the project and shall be included in scope of work and bids to be submitted. Additionally, reference documents, such as as-built documentation of existing buildings, are provided to further quantify the scope of work. References made below to specifications, drawings, and other documents shall be used as a general guide only. Bidders and Contractors shall determine for themselves the work affected by Addendum items.

**RFP**

Item AD-A-1 – Revise Attachment 1, Paragraph H as follows:

- H.     **PARKING & STAGING**  
All construction parking and staging shall be within the Project boundaries, Parking Lot 9 (portion only), or on the undeveloped lot of 17th and Bristol as indicated on the map below. Contractor to provide accommodations as required for worker transportation to Project site. 17th and Bristol lot will not be available until after March 2018. Parking Lot 9 will not be available until after May 2018.



**SPECIFICATIONS**

None

**DRAWINGS**

None

**DRAWINGS – AS-BUILT**

Item AD-A-2 – Add Partial Underground Utility Map for: Santa Ana College Utility Locating (1 sheet)

Item AD-A-3 – Control Air Conditioning Corporation As-Builts (3 sheets)

Item AD-A-4 – Southland As-Builts (17 sheets)

Item AD-A-5 – Morrow Meadow As-Builts (2 sheets)

Item AD-A-6 – Santa Ana College Conversion of “H” Building (5 sheets)

Item AD-A-7 – Santa Ana College Maintenance Service Building (12 sheets)

Item AD-A-8 – Print Shop Move to Bldg “Z” (2 sheets)

Item AD-A-9 – Removal of Underground Storage Tank @ Maintenance Yard (2 sheets)

**RESPONSES TO PRE-BID CLARIFICATION (“PBC”)**

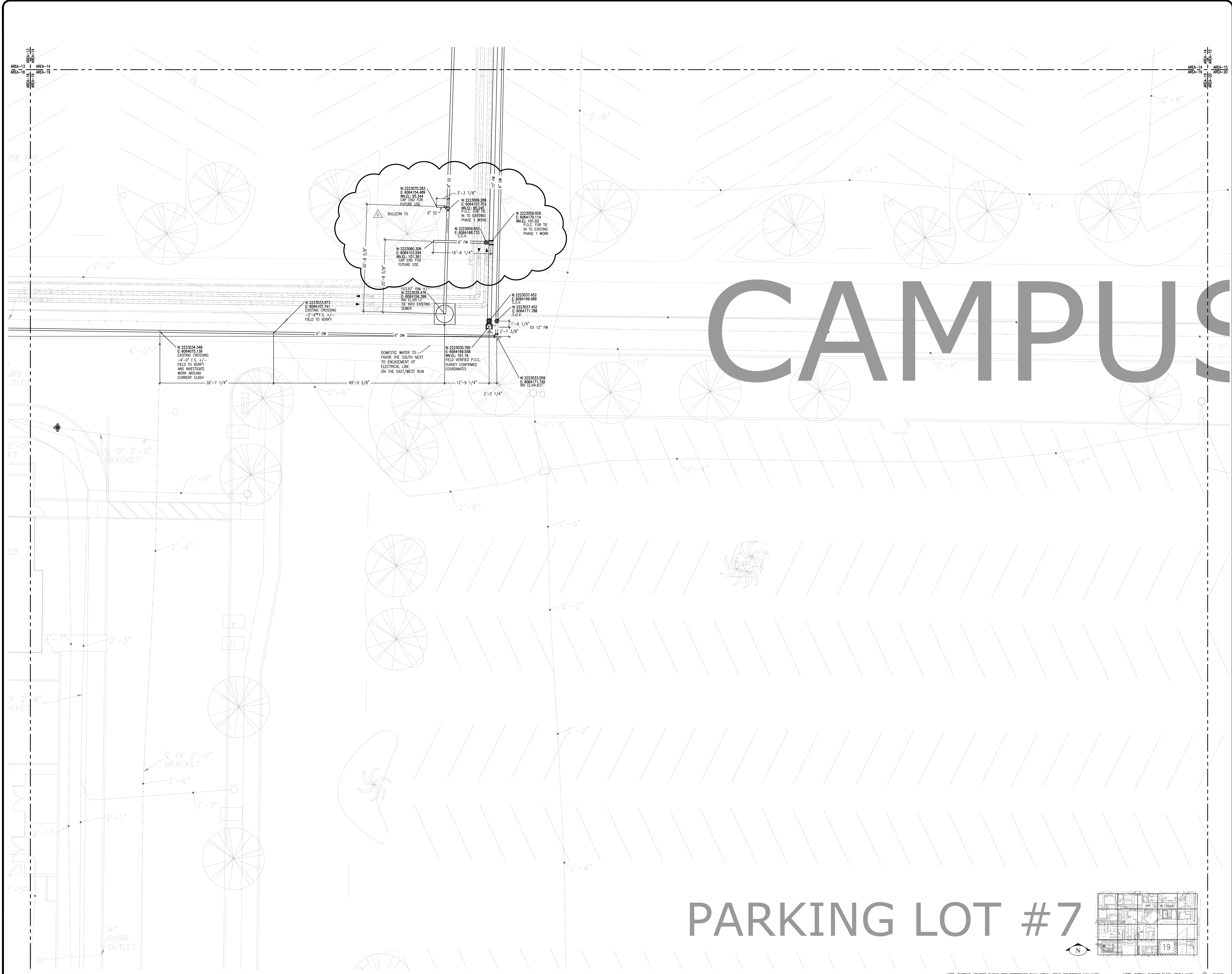
Item AD-A-10 – Responses to PBC 01 through PBC 06 (6 sheets)

END OF ADDENDUM A



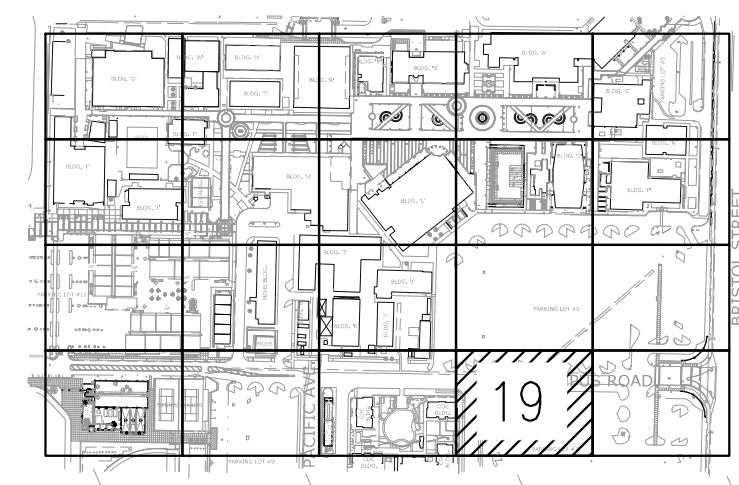






# CAMPUS

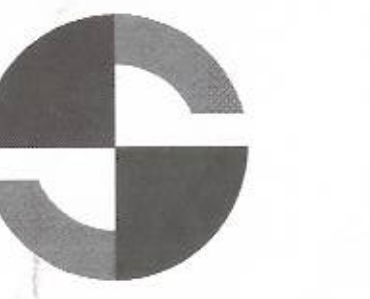
## PARKING LOT #7



NOTE: EXISTING UTILITIES SHOWN FOR REFERENCE ONLY ACTUAL FIELD CONDITIONS MAY VARY

NOTE: INSTALL THRUST BLOCK (TYP.) WHEN SHOWN

DRAWING TITLE		DATE		REVISION		NO.		DATE		REVISION		NO.		DATE		REVISION	
SANTA ANA COLLEGE CAC UNDERGROUND UTILITIES AREA 19		11/25/15		PHASE 1 ISSUED FOR A/E APPROVAL		1		12/4/15		PHASE 1 ISSUED FOR A/E APPROVAL (R2)		2		12/8/15		PROGRESS PRINTS	
JOB TITLE		11/25/15		PHASE 1 ISSUED FOR A/E APPROVAL (R3)		3		1-8-16		PHASE 1 ISSUED FOR A/E APPROVAL		4		1-12-16		PHASE 2 ISSUED FOR A/E APPROVAL	
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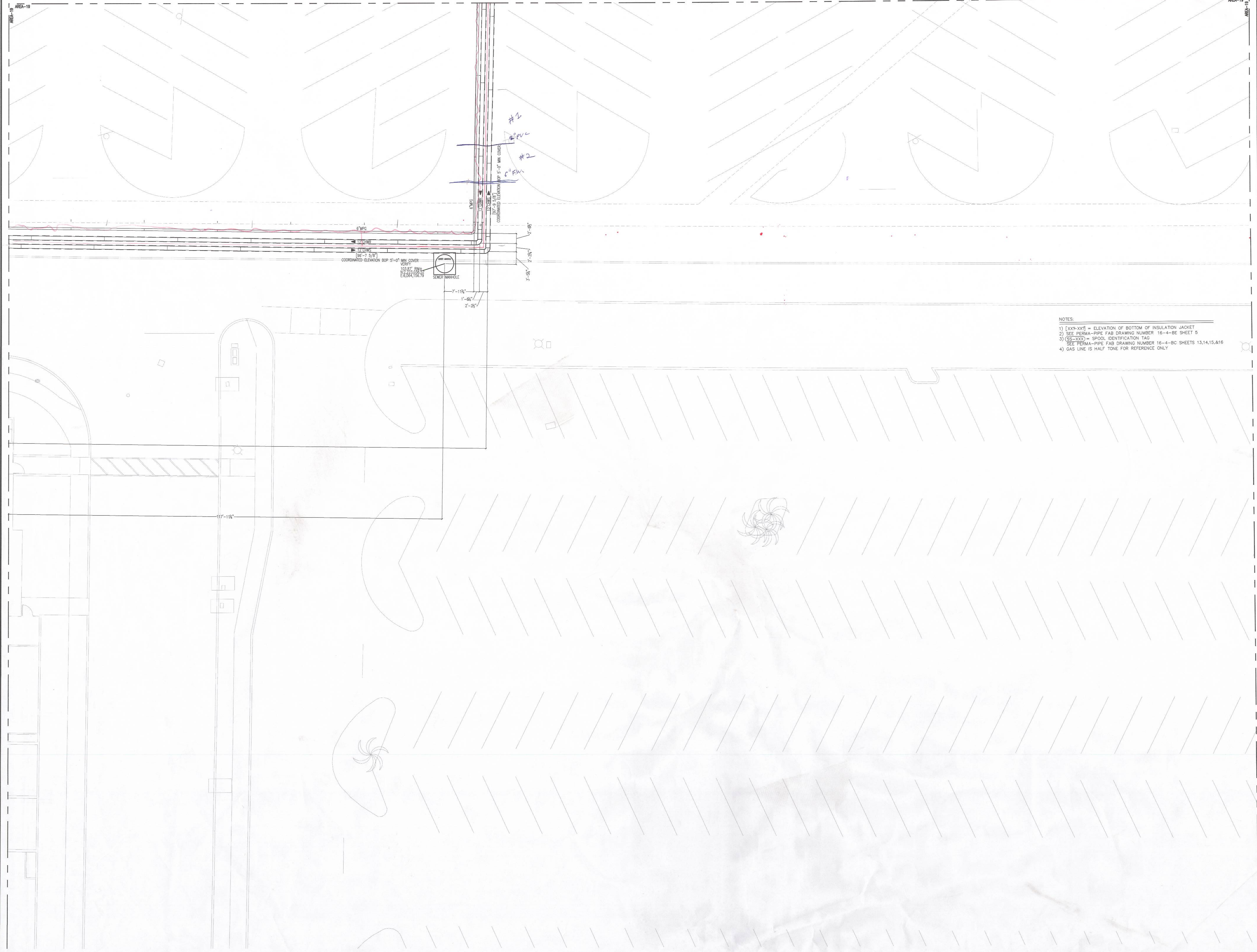


**Southland**

7390 LINCOLN WAY  
GARDEN GROVE, CALIFORNIA  
92641  
714.901.5800  
www.southlandind.com

**FOR APPROVAL**

03/29/2016



- NOTES:
- 1) [xxx-yyy] = ELEVATION OF BOTTOM OF INSULATION JACKET
  - 2) SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BE SHEET 5
  - 3) (S-xxxx) = SPOOL IDENTIFICATION TAG  
SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BC SHEETS 13,14,15,&16
  - 4) GAS LINE IS HALF TONE FOR REFERENCE ONLY

REV	DATE	DESCRIPTION
B	3/29/16	RE-SUBMIT FOR APPROVAL
A	3/29/16	RE-SUBMIT FOR APPROVAL
1		DATE

DRAWN BY: DATE: 02/17/2016  
 DESIGNED BY: SCALE: 1/8" = 1'-0"  
 CHECKED BY: JOB NO.: 0021193

KEY PLAN

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11	12	13	14	15
16	17	18	19	20



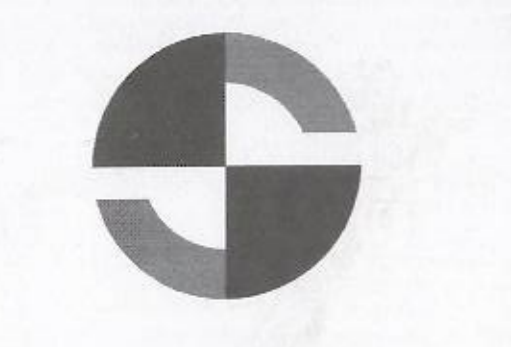
JOB TITLE  
**SANTA ANA COLLEGE**  
 1530 West 17th Street  
 Santa Ana, CA 92706

DRAWING TITLE  
 LEVEL UG : AREA 19  
 MECHANICAL PIPING  
 CHWS & R AND MPG  
**AD-A-4**

DRAWING NO.  
**MP2.UG.19.P2**





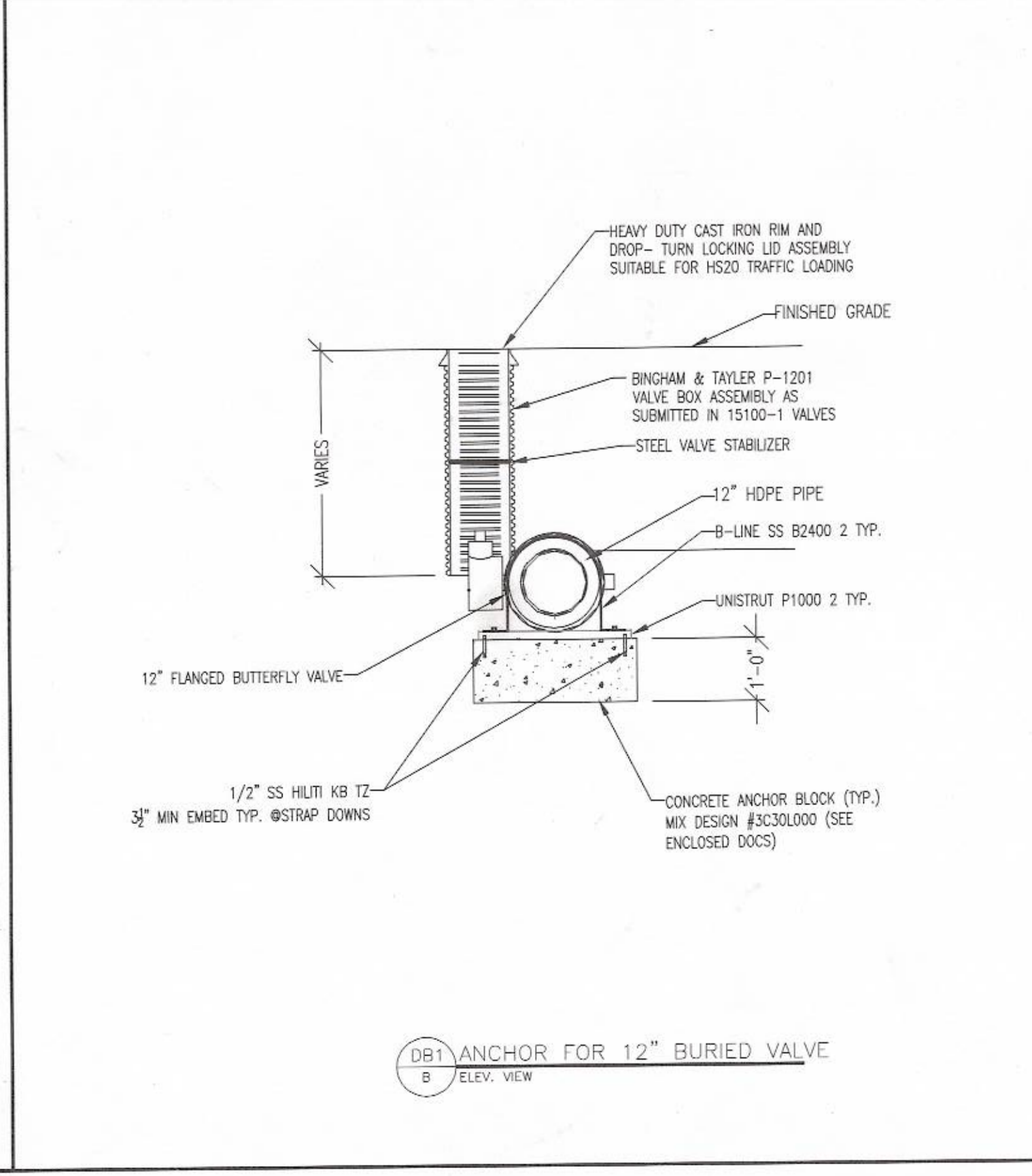
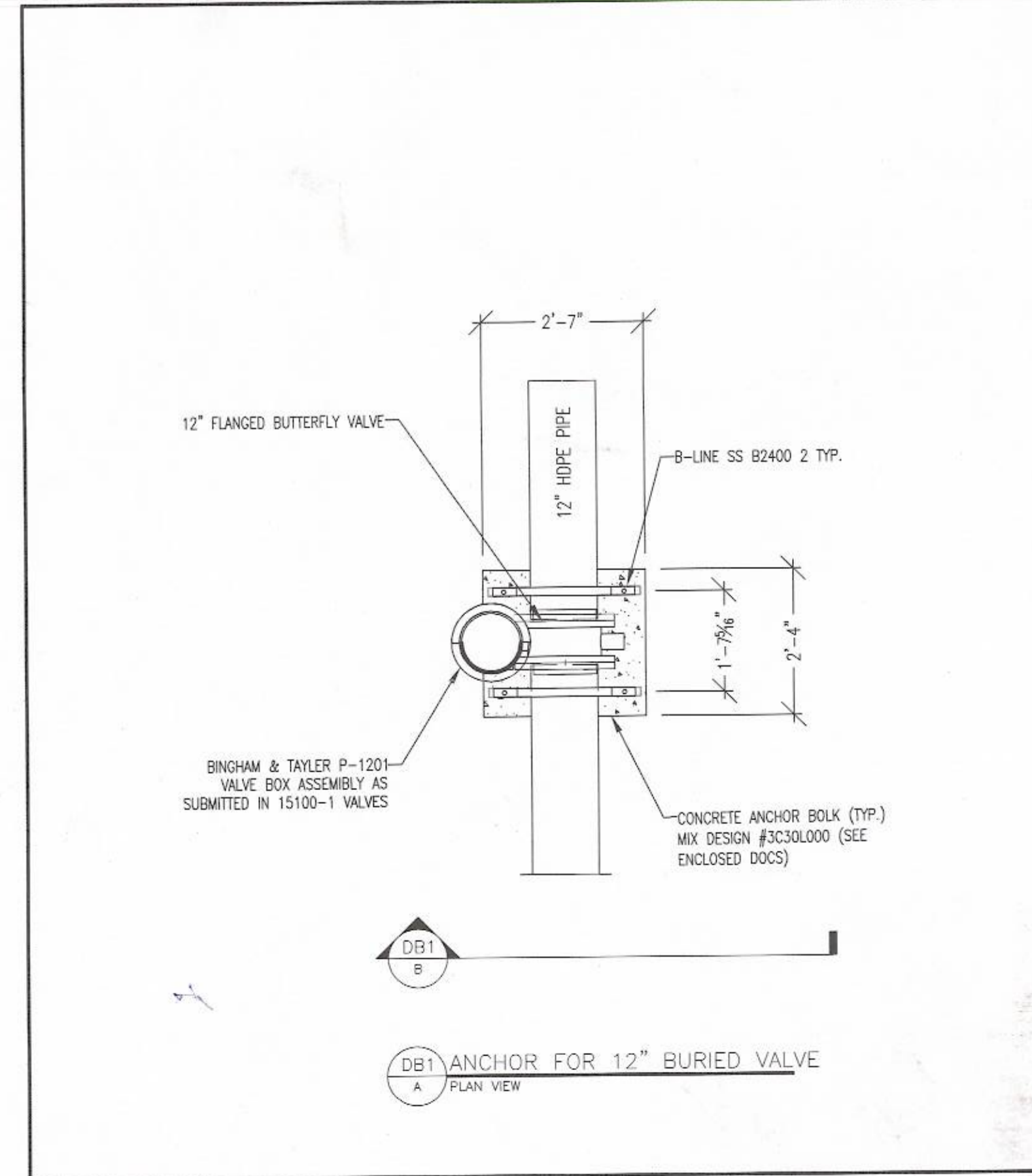
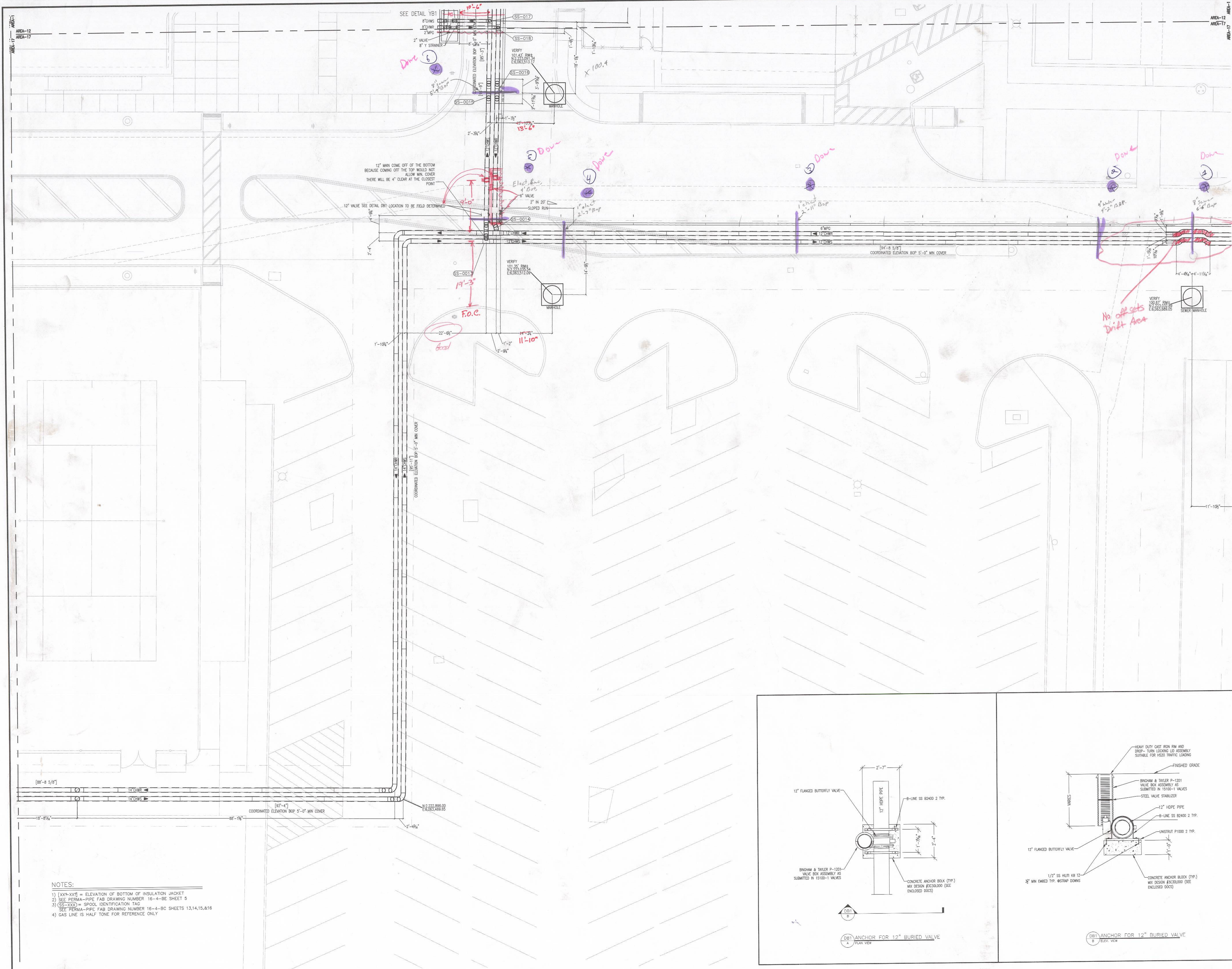


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FOR APPROVAL

04/12/2016



- NOTES:
- 1) [XX9-XX1] = ELEVATION OF BOTTOM OF INSULATION JACKET
  - 2) SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BE SHEET 5
  - 3) [SS-XXXX] = SPOOL IDENTIFICATION TAG
  - 4) SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BC SHEETS 13,14,15,16
  - 5) GAS LINE IS HALF TONE FOR REFERENCE ONLY

NO.	REVISION DESCRIPTION	DATE
C	RE-SUBMIT FOR APPROVAL	4/12/16
B	RE-SUBMIT FOR APPROVAL	3/29/16
A	RE-SUBMIT FOR APPROVAL	3/10/16

DRAWN BY	JT	DATE	02/11/2016
DESIGNED BY		SCALE	1/8" = 1'-0"
CHECKED BY		JOB NO.	5521193

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11	12	13	14	15
16	17	18	19	20

JOB TITLE

SANTA ANA COLLEGE  
1530 West 17th Street  
Santa Ana, CA 92706

DRAWING TITLE  
LEVEL UG : AREA 16  
MECHANICAL PIPING  
CHWS & R AND MFG

DRAWING NO.  
MP2.UG.17.P2



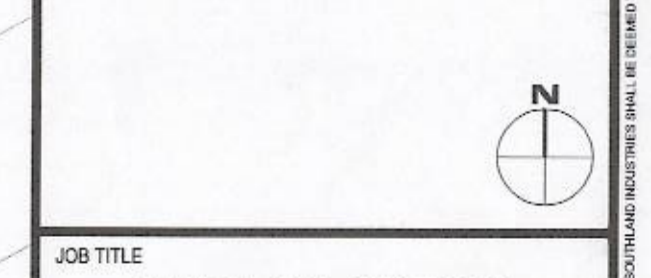
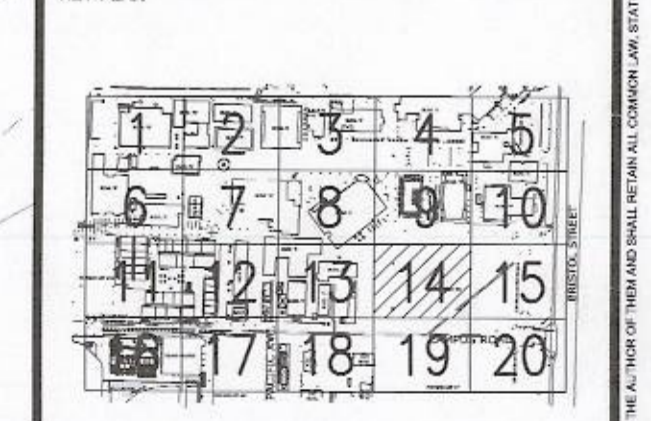
- NOTES:
- 1) [XXY-XXY] = ELEVATION OF BOTTOM OF INSULATION JACKET
  - 2) SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BE SHEET 5
  - 3) (SS-XXX) = SPOOL IDENTIFICATION TAG
  - 4) SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BC SHEETS 13,14,15,&16
  - 5) GAS LINE IS HALF TONE FOR REFERENCE ONLY

FOR APPROVAL

03/29/2016

NO.	REVISION DESCRIPTION	DATE
1	RE-SUBMIT FOR APPROVAL	3/29/16
2	RE-SUBMIT FOR APPROVAL	3/10/16

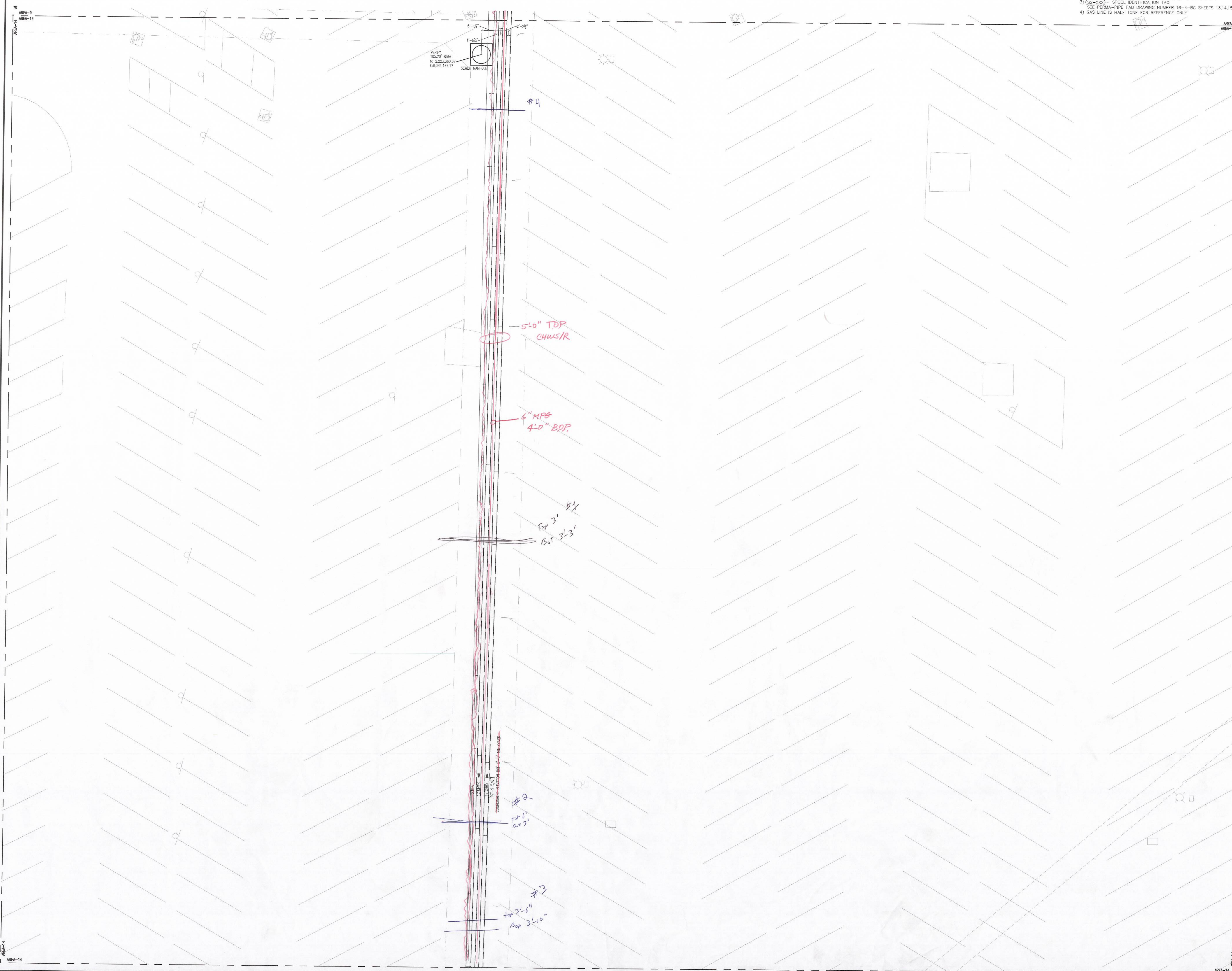
DRAWN BY	DATE	02/26/2016
DESIGNED BY	SCALE	1/8" = 1'-0"
CHECKED BY	JOB NO.	5821193



JOB TITLE  
**SANTA ANA COLLEGE**  
 1530 West 17th Street  
 Santa Ana, CA 92706

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**LEVEL UG: AREA 14  
 MECHANICAL PIPING  
 CHWS & R AND MPG**

DRAWING NO.  
**MP2.UG.14.P1**



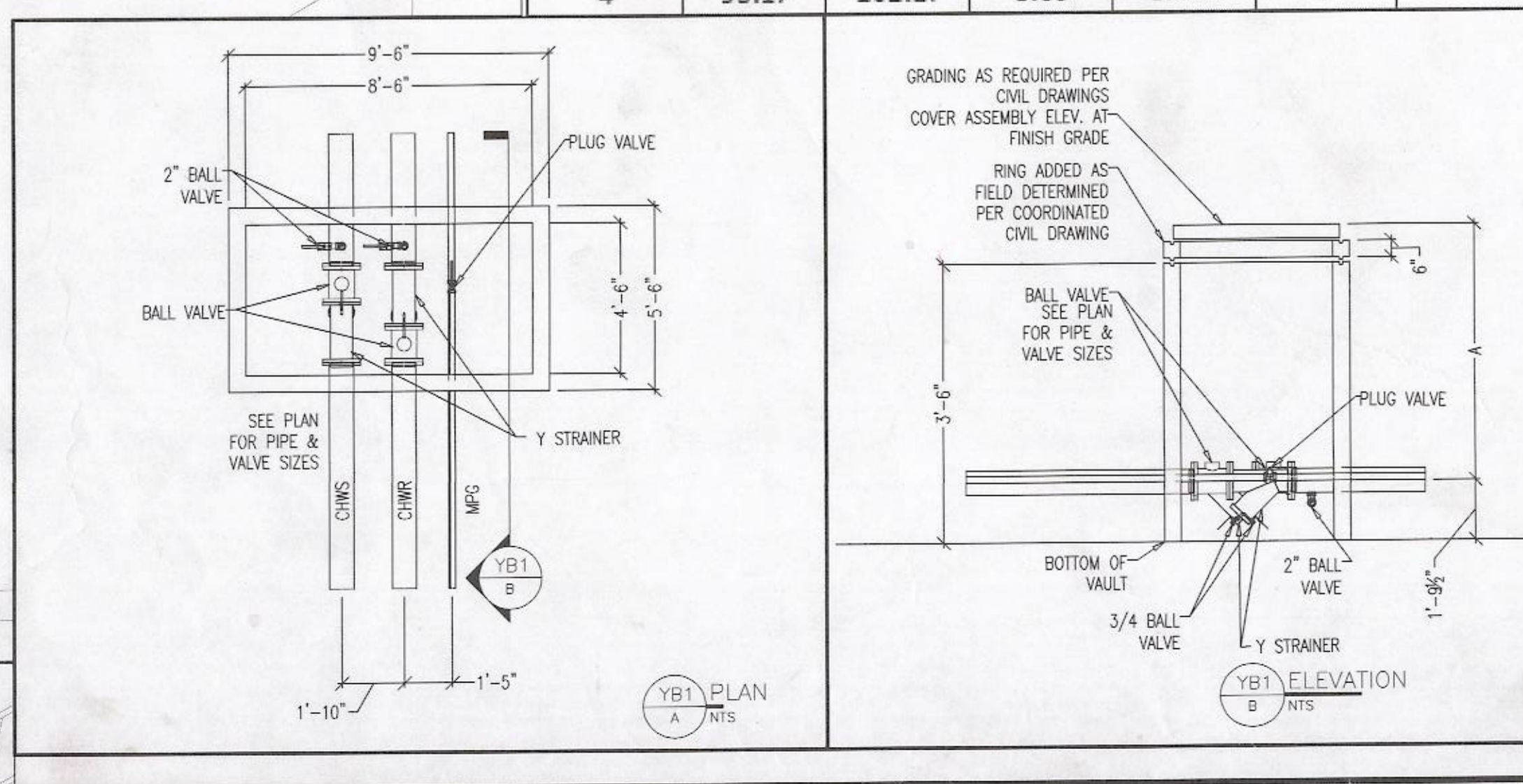


**FOR APPROVAL**  
 03/29/2016



- NOTES:**
- 1) [xx-xx] = ELEVATION OF BOTTOM OF INSULATION JACKET
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  - 3) (SS-XXX) = SPOOL IDENTIFICATION TAG  
SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BC SHEETS 13,14,15,&16
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Yard Box #	Bottom of Box	Top of Box	Number of 6" Rings needed	Base & Lid	A-ft
3	92.33	101.17	10.00	3.912	8.84
4	95.17	101.17	5.00	3.912	6



DATE	DESCRIPTION
3/29/16	
3/7/16	
3/7/16	
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3/7/16	

DATE	SCALE	JOB NO.
02/28/2016	1/8" = 1'-0"	5521193

KEY PLAN
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6 7 8 9 10
11 12 13 14 15
16 17 18 19 20

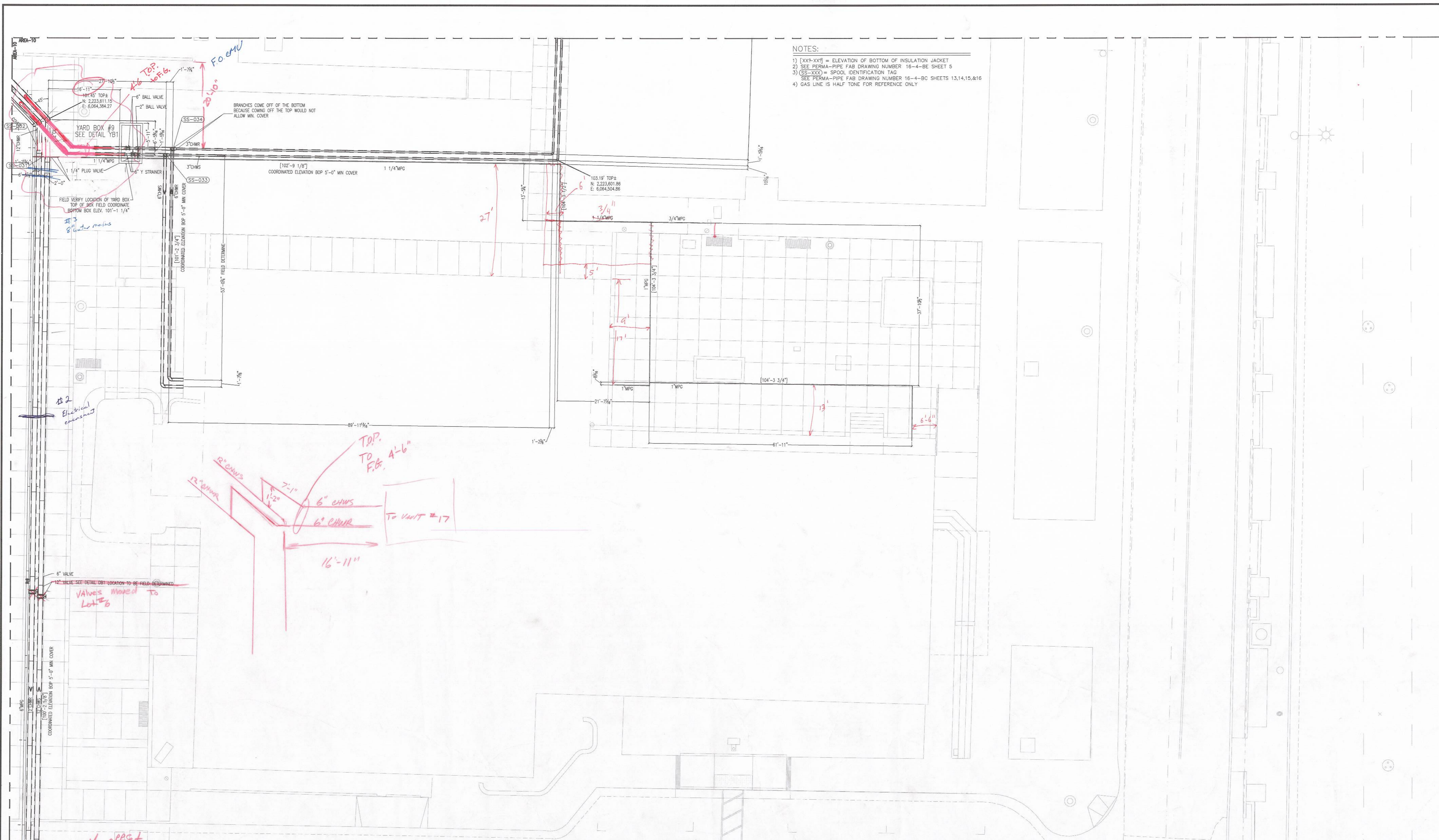
JOB TITLE  
**SANTA ANA COLLEGE**

1530 West 17th Street  
 Santa Ana, CA 92706

DRAWING TITLE  
**LEVEL UG : AREA 12  
 MECHANICAL PIPING  
 CHWS & R AND MPG**

DRAWING NO.  
**MP2.UG.12.P2**

**FOR APPROVAL**  
04/12/2016

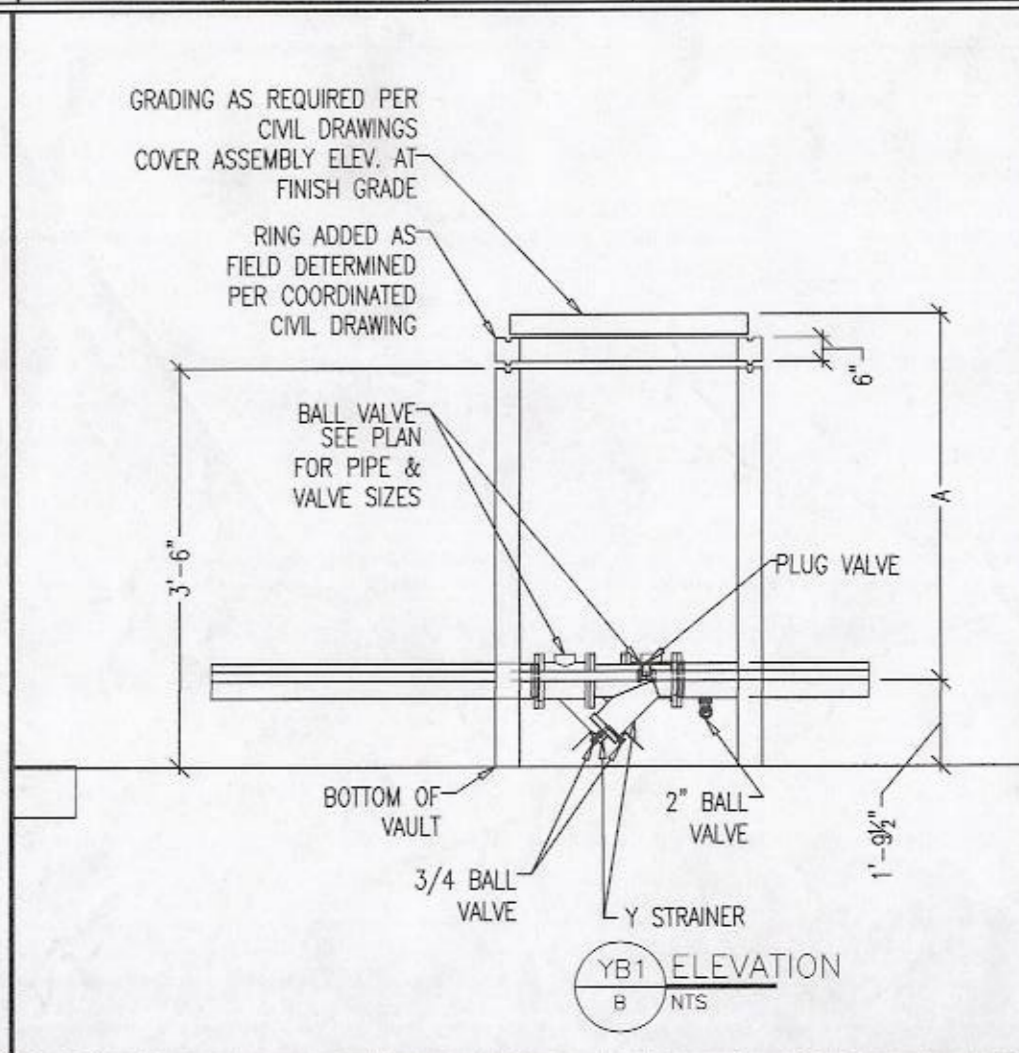
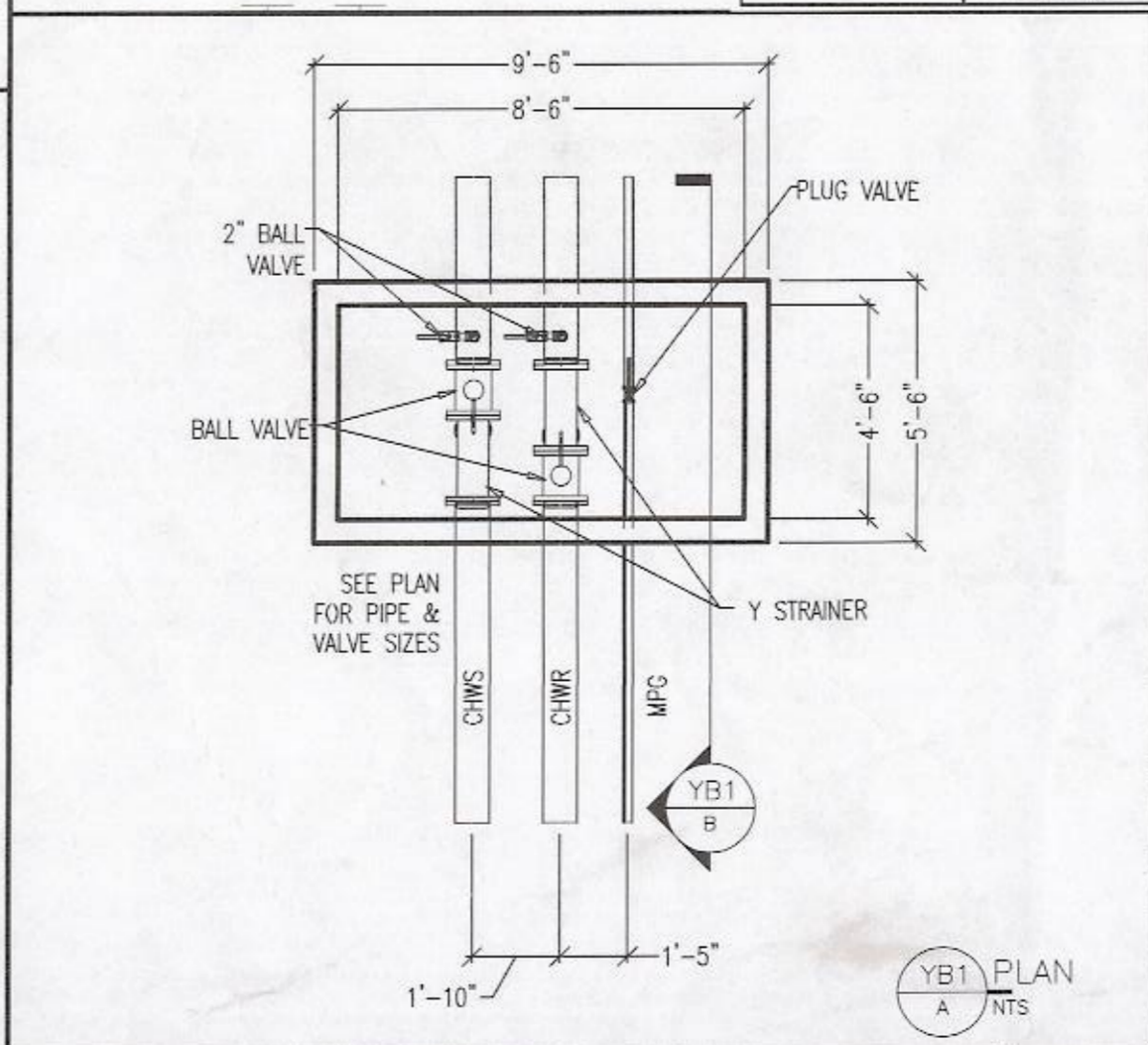
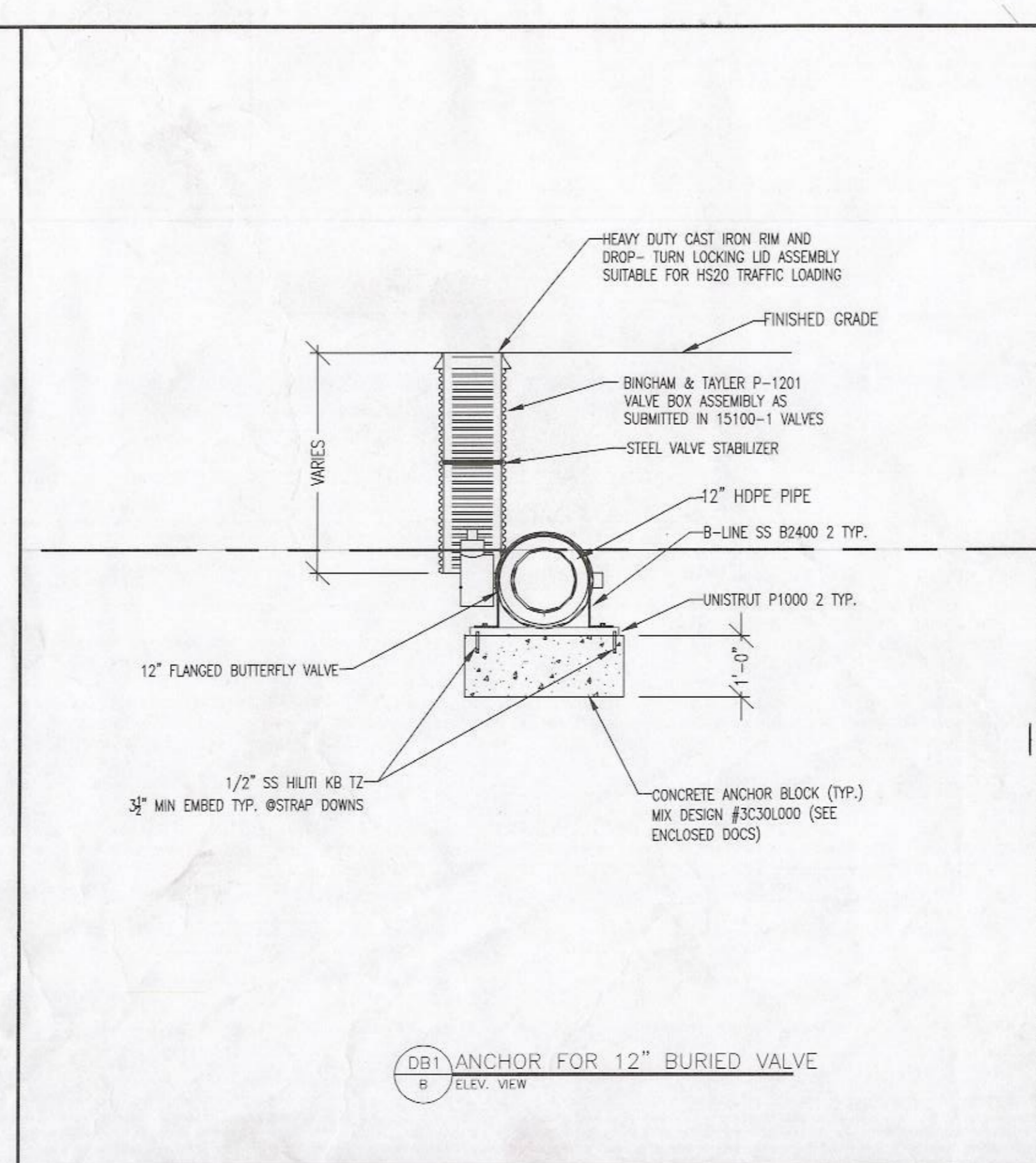
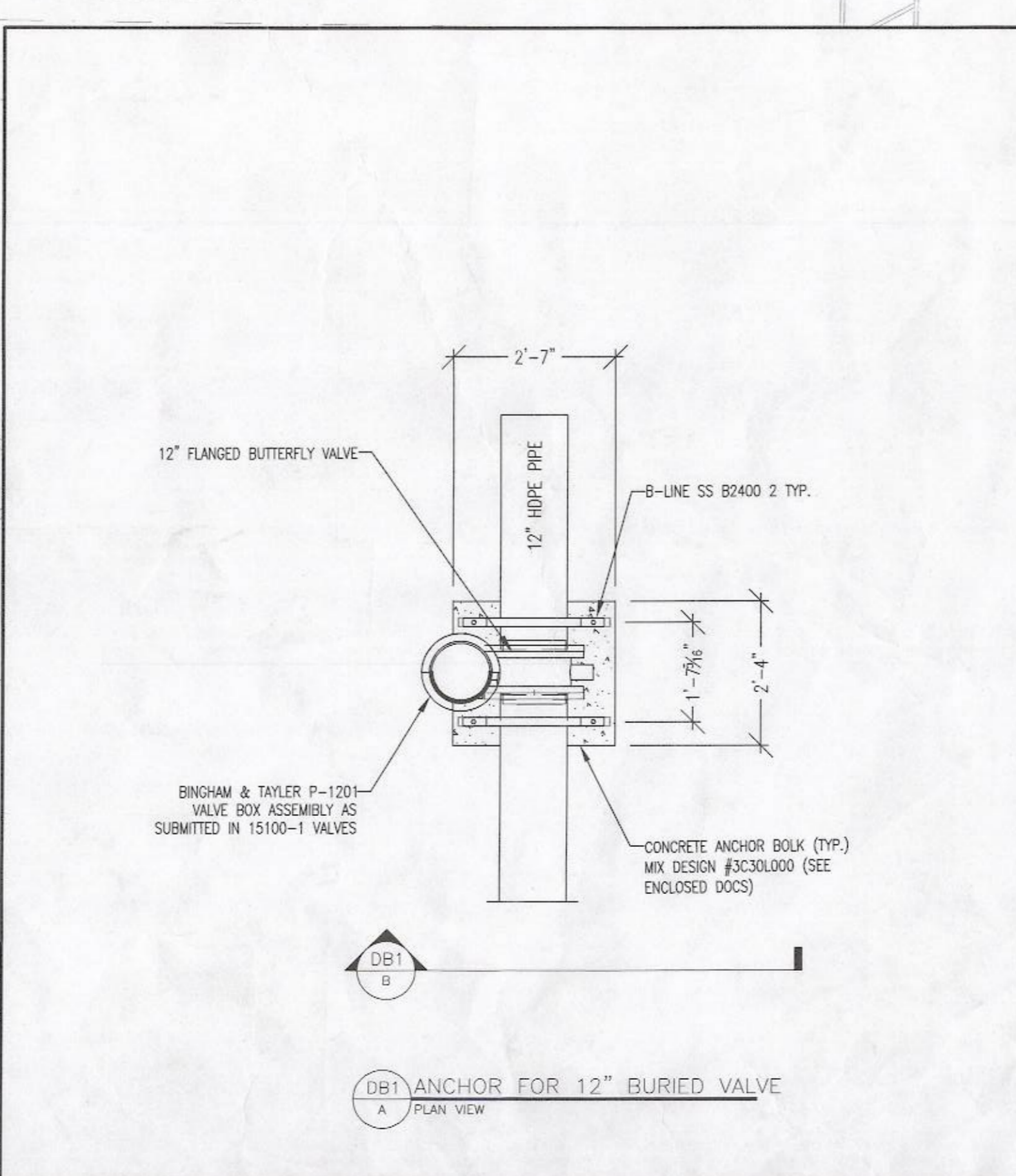


DATE	DESCRIPTION
4/12/16	D. RE-SUBMIT FOR APPROVAL
3/20/16	C. RE-SUBMIT FOR APPROVAL
3/17/16	B. RE-SUBMIT FOR APPROVAL
3/10/16	A. RE-SUBMIT FOR APPROVAL

DRAWN BY	DATE	03/02/2016
DESIGNED BY	SCALE	1/8" = 1'-0"
CHECKED BY	JOB NO.	522193

KEY PLAN
1 2 3 4 5
6 7 8 9 10
11 12 13 14 15
16 17 18 19 20

Yard Box #	Bottom of Box	Top of Box	Number of 6" Rings needed	Base & Lid	A-ft
9	101.08	106.08	3.00	3.912	5



**JOB TITLE**  
SANTA ANA COLLEGE  
1530 West 17th Street  
Santa Ana, CA 92708

**DRAWING TITLE**  
LEVEL UG : AREA 10  
MECHANICAL PIPING  
CHWS & R AND MPG

**DRAWING NO.**  
MP2.UG.10.P3

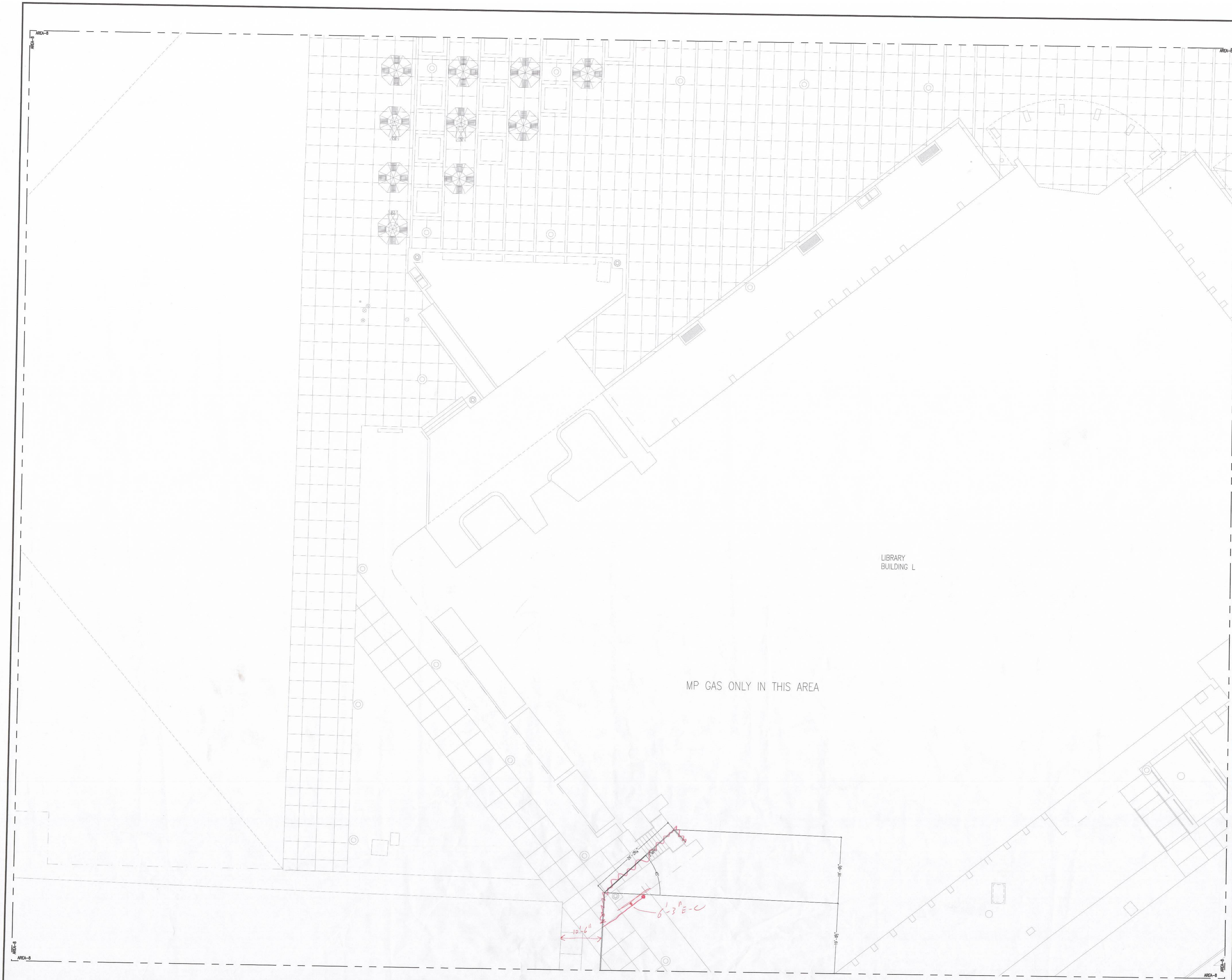




**Southland**  
7380 LINCOLN WAY  
GARDEN GROVE, CALIFORNIA 92641  
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**FOR APPROVAL**

03/10/2016



NO.	REVISION	DATE
1	RE-SUBMIT FOR APPROVAL	3/10/16

DRAWN BY	DATE	130715
DESIGNED BY	SCALE	1/8" = 1'-0"
CHECKED BY	JOB NO.	5221193

REV. PLAN

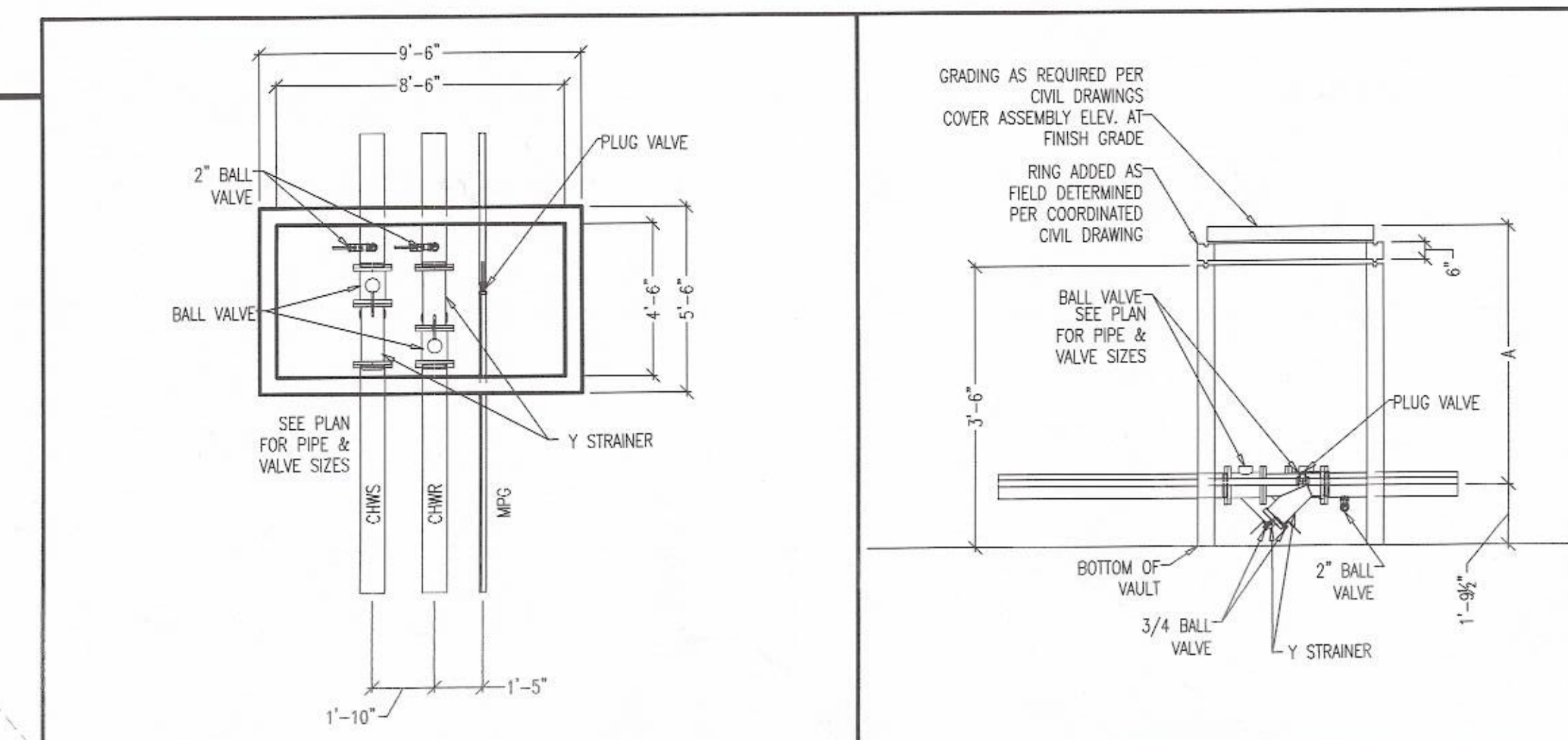
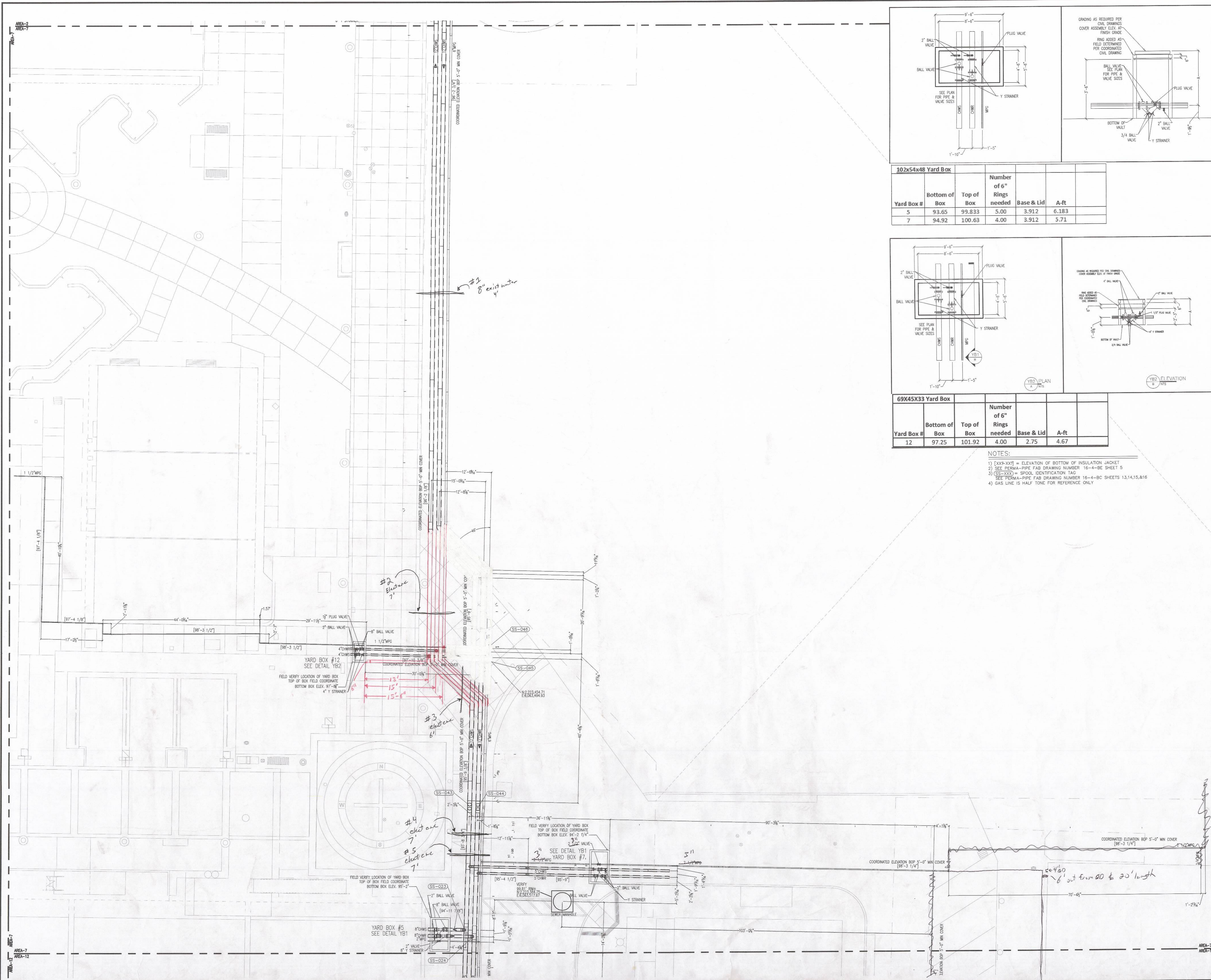
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JOB TITLE  
**SANTA ANA COLLEGE**  
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Santa Ana, CA 92706

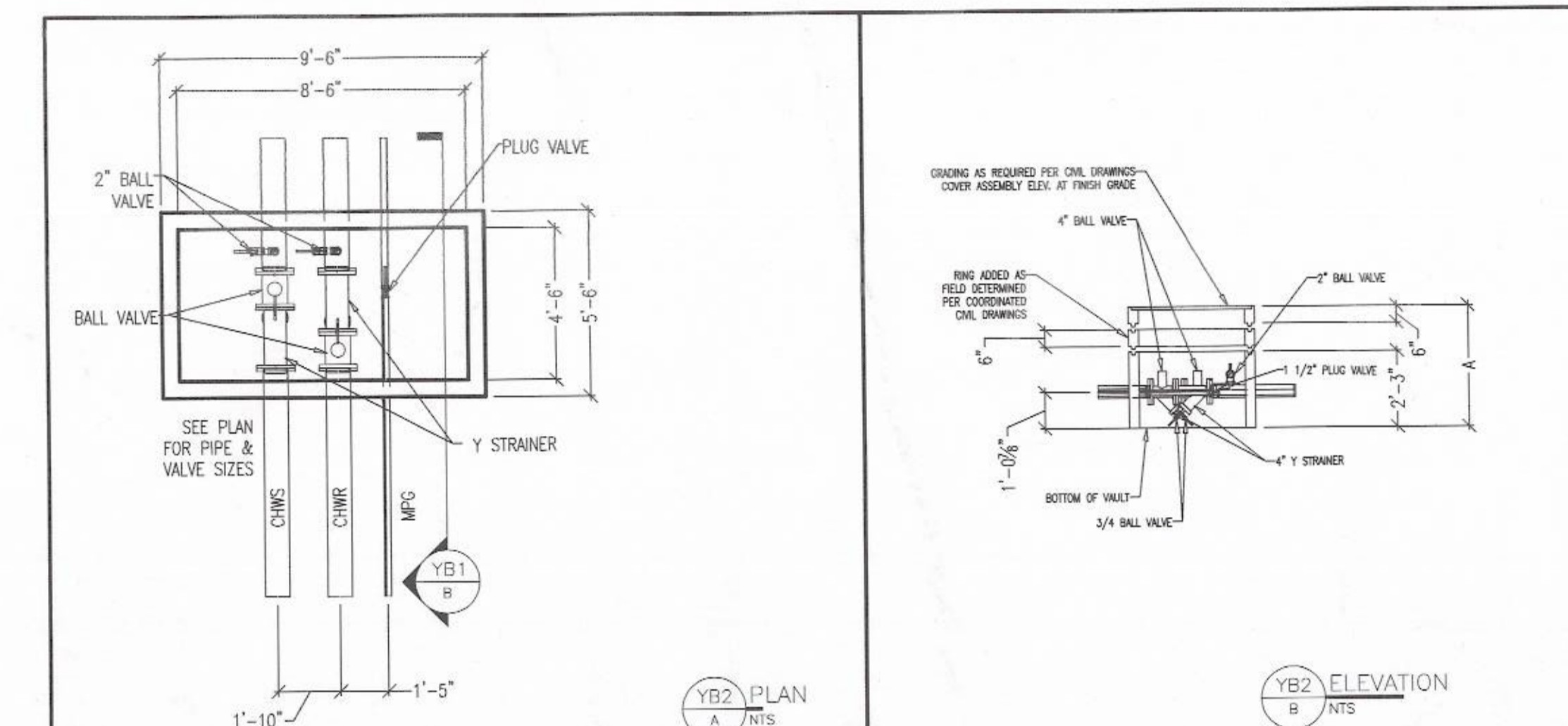
DRAWING TITLE  
**LEVEL UG : AREA 8  
MECHANICAL PIPING  
CHWS & R AND MPG**

DRAWING NO.  
**MP2.UG.8.P1**





Yard Box #	Bottom of Box	Top of Box	Number of 6\"/>		
5	93.65	99.833	5.00	3.912	6.183
7	94.92	100.63	4.00	3.912	5.71



Yard Box #	Bottom of Box	Top of Box	Number of 6\"/>		
12	97.25	101.92	4.00	2.75	4.67

- NOTES:
- 1) [XX-XX] = ELEVATION OF BOTTOM OF INSULATION JACKET
  - 2) SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BC SHEET 5
  - 3) [SS-XXX] = SPOOL IDENTIFICATION TAG
  - 4) SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BC SHEETS 13,14,15,&16
  - 5) GAS LINE IS HALF TONE FOR REFERENCE ONLY

FOR APPROVAL  
04/08/2016

NO.	REVISION	DATE	BY	CHKD.
1	ISSUE FOR APPROVAL	4/7/16	JT	
2	RE-SUBMIT FOR APPROVAL	3/25/16	JT	
3	RE-SUBMIT FOR APPROVAL	3/10/16	JT	
4	RE-SUBMIT FOR APPROVAL	3/10/16	JT	

DRAWN BY: JT DATE: 02/26/2016  
DESIGNED BY: SCALE: 1/8\"/>

NO.	DATE	DESCRIPTION
1	02/26/2016	ISSUE FOR APPROVAL
2	03/10/2016	RE-SUBMIT FOR APPROVAL
3	03/25/2016	RE-SUBMIT FOR APPROVAL
4	04/08/2016	FOR APPROVAL

JOB TITLE: SANTA ANA COLLEGE  
1530 West 17th Street  
Santa Ana, CA 92706

LEVEL UG : AREA 7  
MECHANICAL PIPING  
CHWS & R AND MPG

DRAWING NO.: MP2.UG.7.P4



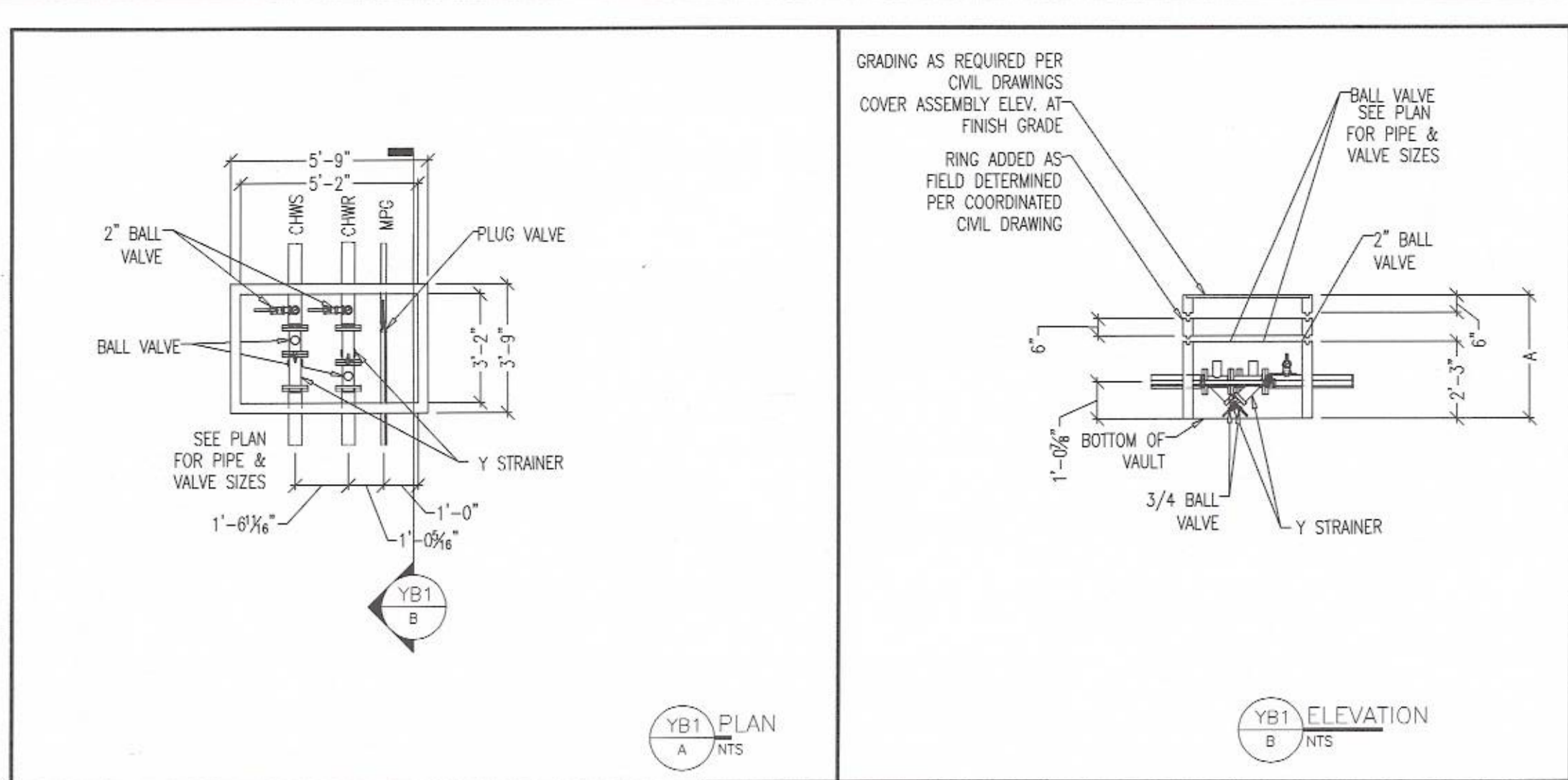


Southland  
7390 LINCOLN WAY  
GARDEN GROVE, CALIFORNIA  
92641  
714.901.5800  
www.southlandind.com

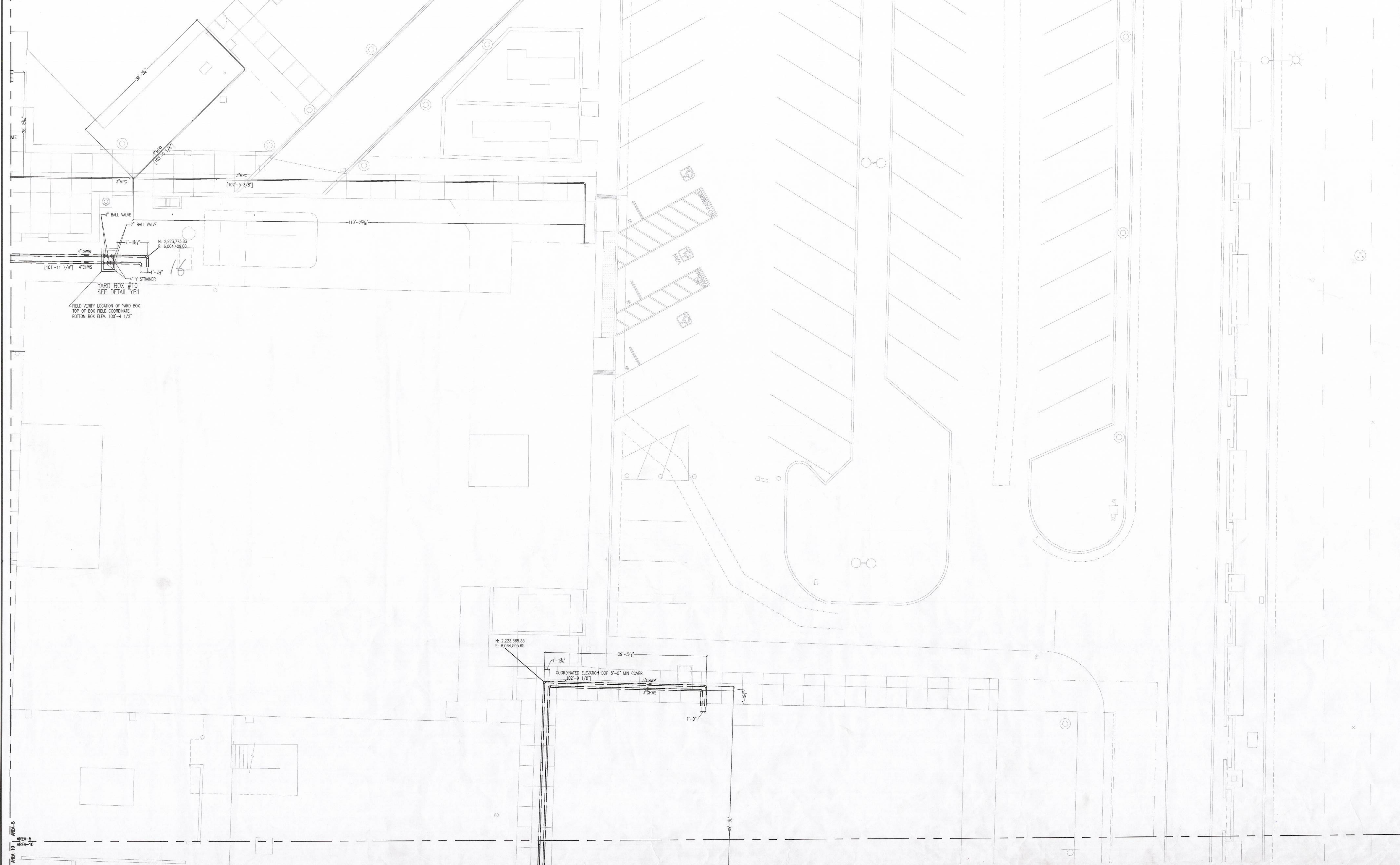
FOR APPROVAL

03/29/2016

- NOTES:
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  - 3) [SS-XXXX] = SPOOL IDENTIFICATION TAG  
SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BC SHEETS 13,14,15, & 16
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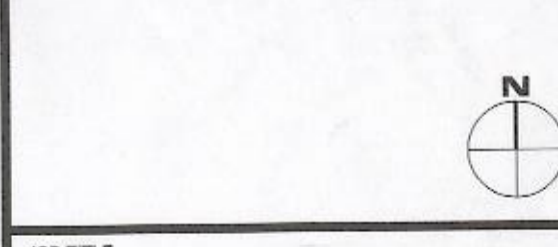
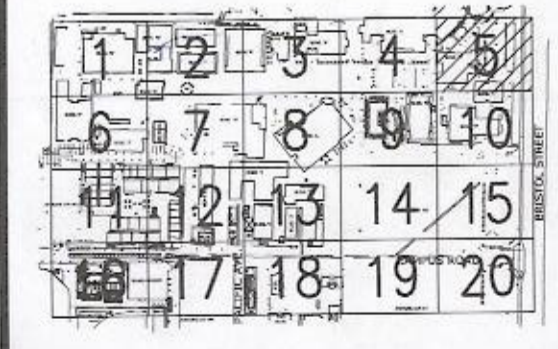
Yard Box #	Bottom of Box	Top of Box	Number of 6" Rings needed	Base & Lid	A-ft
10	100.375	105	4.00	2.75	4.625



NO.	REVISION DESCRIPTION	DATE
B	RE-SUBMIT FOR APPROVAL	3/29/16
A	RE-SUBMIT FOR APPROVAL	3/16/16

DRAWN BY: JT DATE: 03/23/2016  
 DESIGNED BY: SCALE: 1/8" = 1'-0"  
 CHECKED BY: JOB NO.: 822193

KEY PLAN



JOB TITLE  
SANTA ANA COLLEGE  
1530 West 17th Street  
Santa Ana, CA 92706

DRAWING TITLE  
LEVEL UG : AREA .5  
MECHANICAL PIPING  
CHWS & R AND MPG

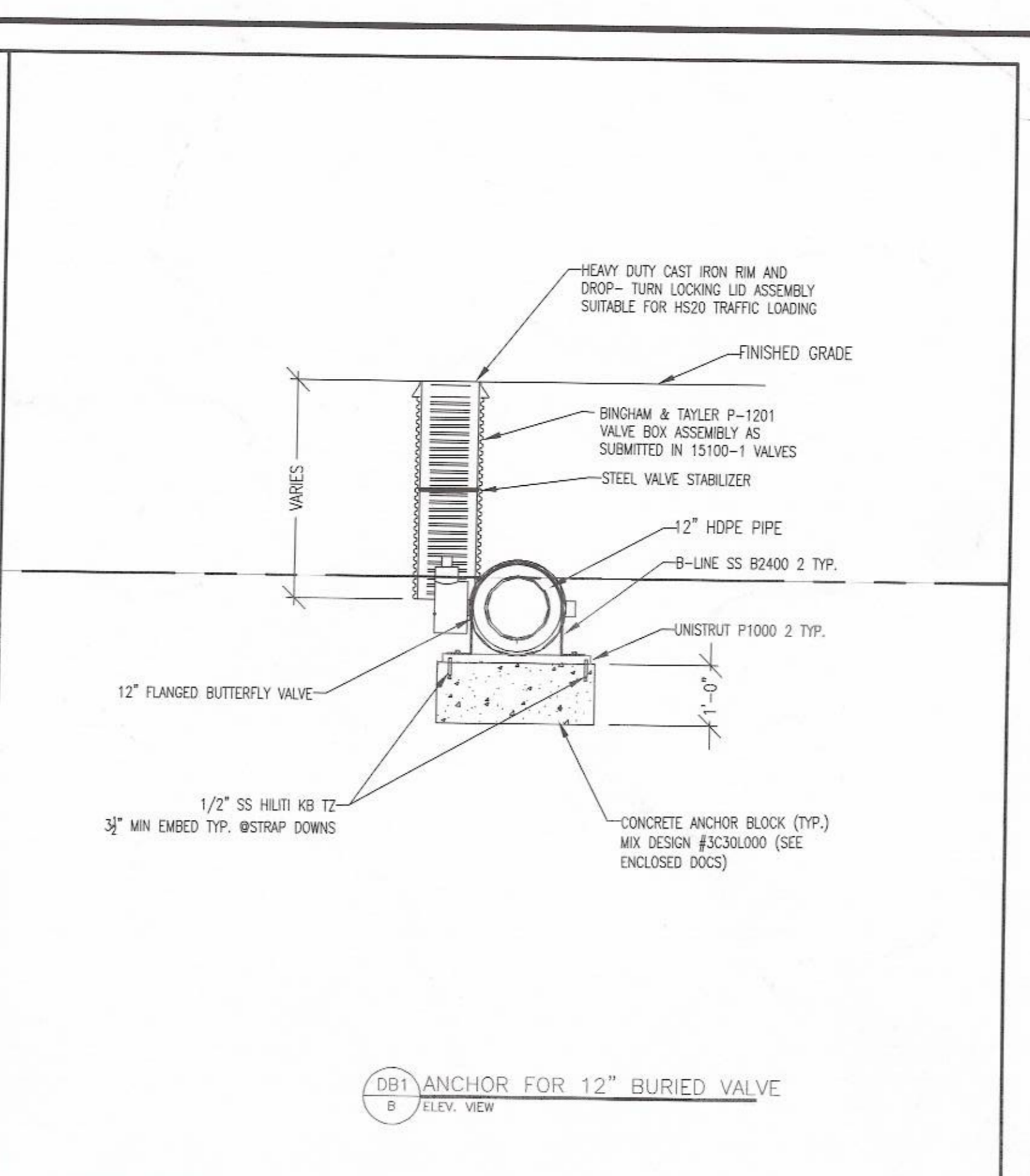
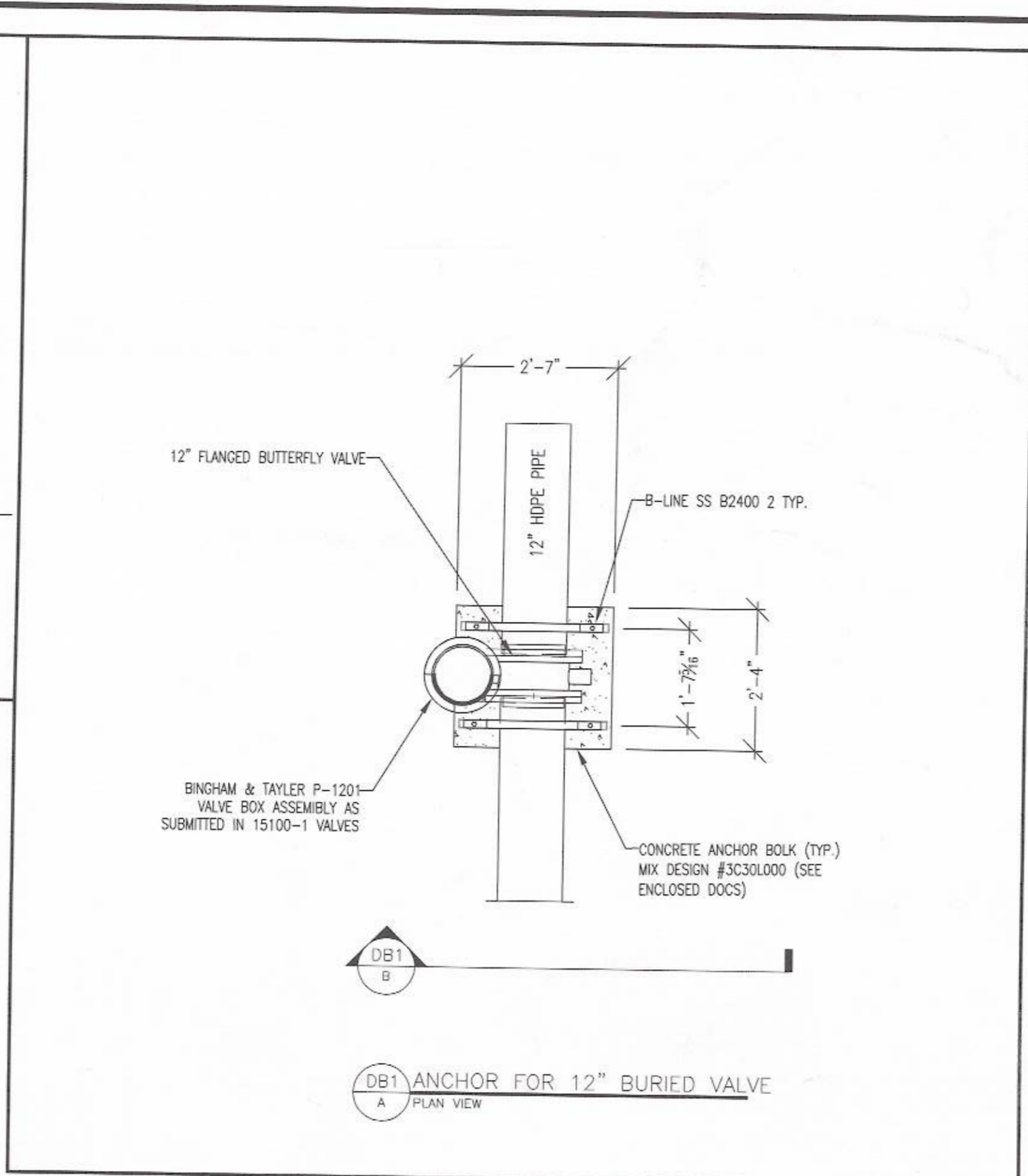
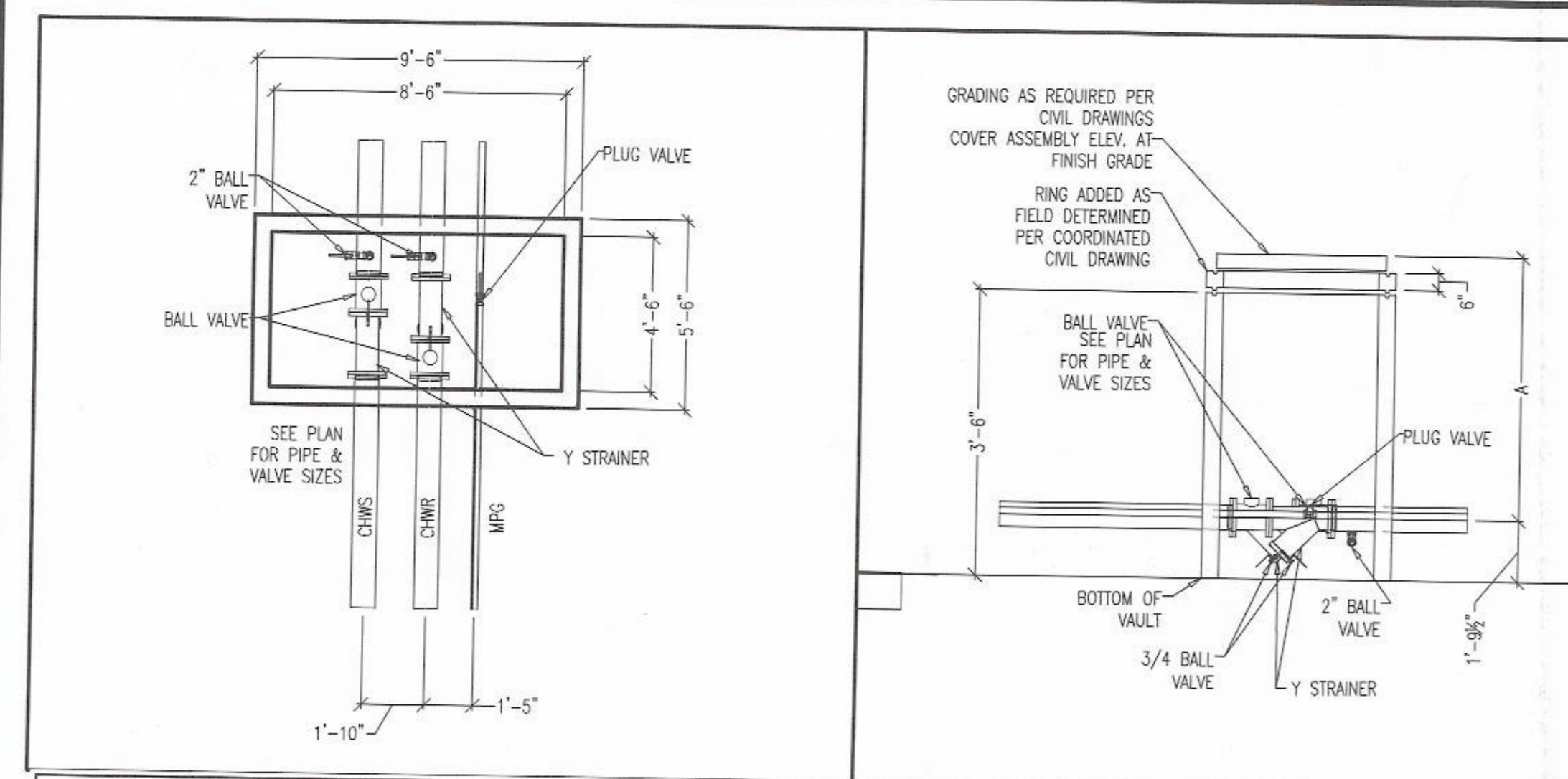
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MP2.UG.5.P3

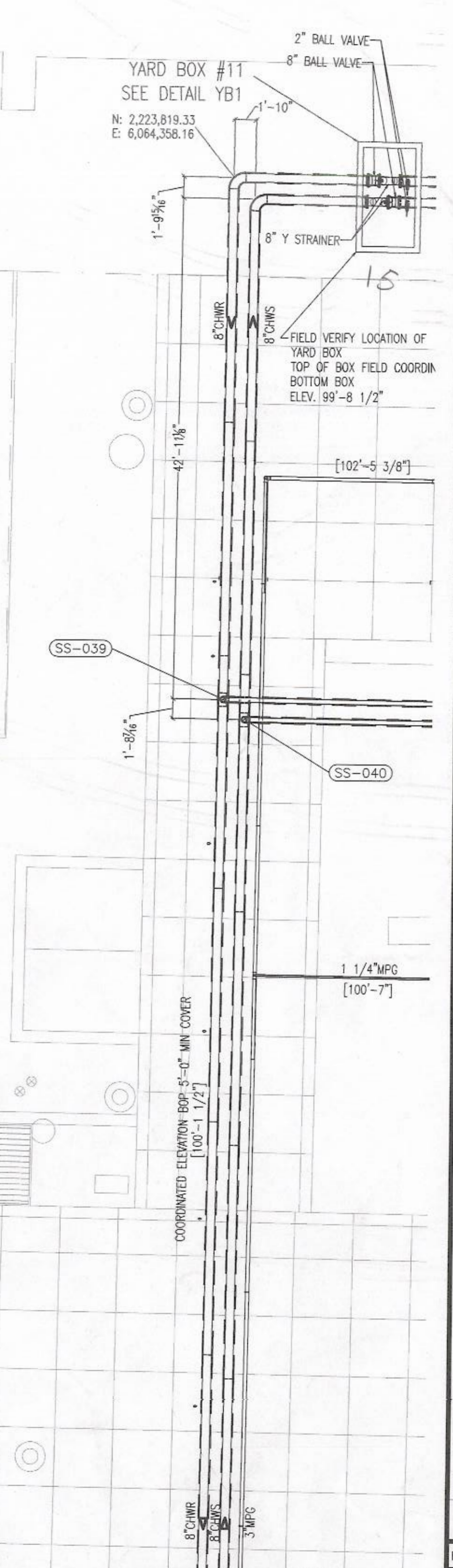
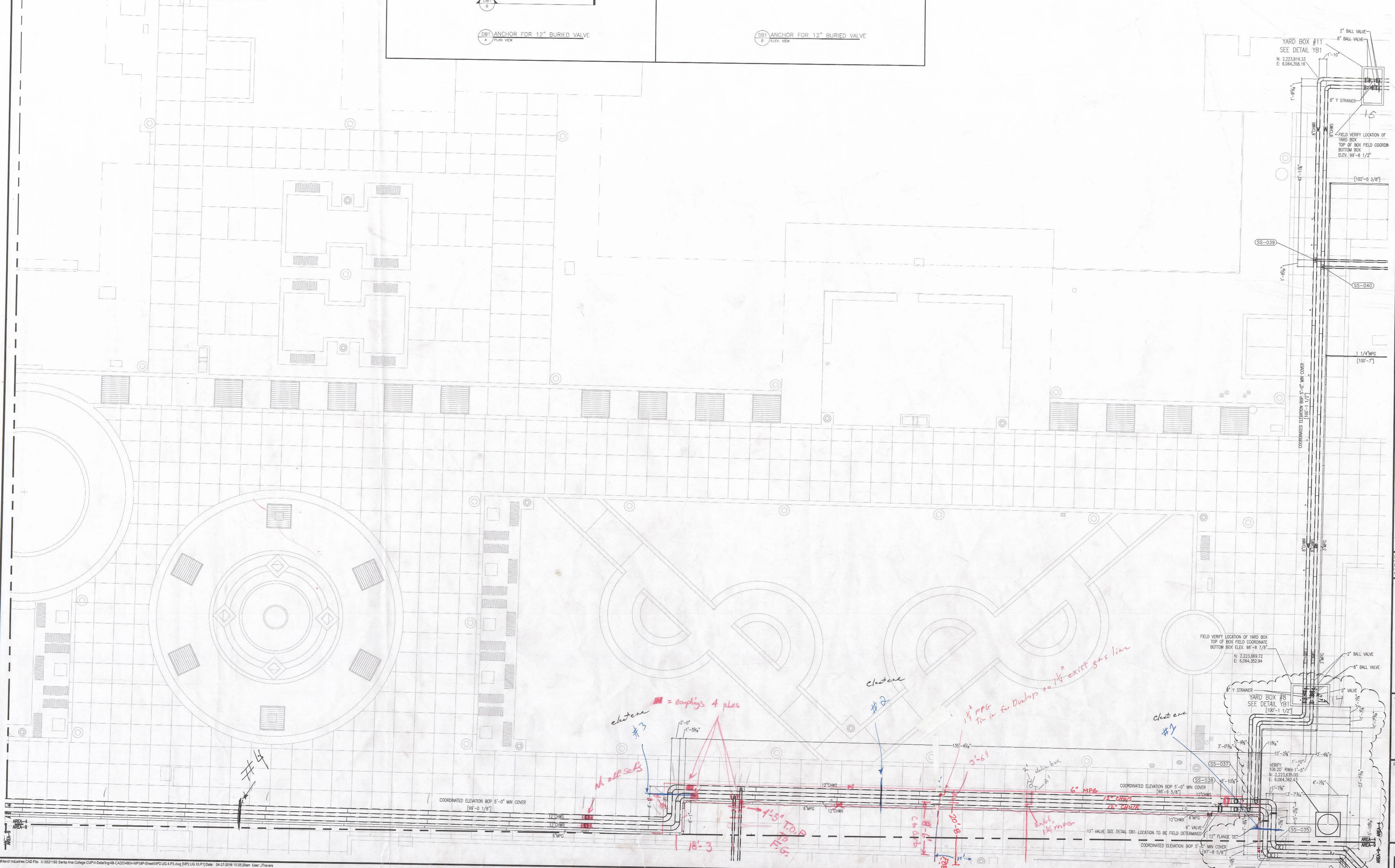
**ISSUED FOR CONSTRUCTION**

04/19/2016

- NOTES:**
- 1) [XX'-XX"] = ELEVATION OF BOTTOM OF INSULATION JACKET
  - 2) SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BC SHEET 3
  - 3) [SS-XXX] = SPOOL IDENTIFICATION TAG  
SEE PERMA-PIPE FAB DRAWING NUMBER 16-4-BC SHEETS 13,14,15,&16
  - 4) GAS LINE IS HALF TONE FOR REFERENCE ONLY



10x54x48 Yard Box					
Yard Box #	Bottom of Box	Top of Box	Number of 6\" Rings needed	Base & Lid	A-ft
8	98.75	106.08	7.00	3.912	7.33
11	98.67	105	5.00	3.912	6.33



DATE	
DESIGNED BY	JT
SCALE	1/8\" = 1'-0\"
CHECKED BY	
JOB NO.	521193

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

**SANTA ANA COLLEGE**  
 1530 West 17th Street  
 Santa Ana, CA 92706

**LEVEL UG - AREA 4  
 MECHANICAL PIPING  
 CHWS & R AND MPG**

**MP2.UG.4.P3**





DETAILS INCOMPLETE

DETAILS INCOMPLETE

YB1 PLAN  
 A  
 NS

YB1 ELEVATION  
 5  
 NS

DETAILS INCOMPLETE

OB1 ANCHOR FOR 12" BURIED VALVE  
 1  
 NS

YARD BOX #15

2" MPG

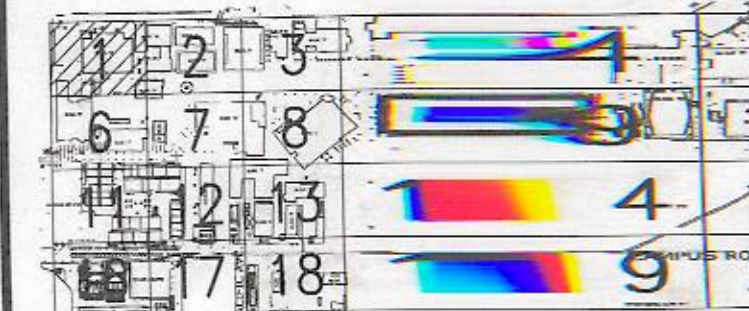
3/4" MPG

2" MPG

1/4" MPG

DRAWN BY	JT	DATE	02/11/12
DESIGNED BY		SCALE	1/8" = 1'
CHECKED BY		JOB NO.	55211

KEY PLAN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
																			

Red Line  
 JOB TITLE  
 SANTA ANA COLLEGE

1530 West 17th Street  
 Santa Ana, CA 92706

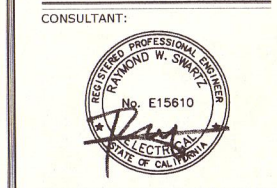
DRAWING TITLE  
 LEVEL UG : AREA G  
 MECHANICAL PIPING  
 CHWS & RAN D MPG

AREA-1  
 AREA-8  
 DRAWING NO.

Rev.	Date	Description
4	06/16/2015	ADDENDUM 04
5	06/25/2015	ADDENDUM 05

JOB NO: 13022.02  
DATE: 03/06/2015  
DRAWN: MM / RR / RB  
CHECK: JG / MM  
ARCHITECT: PDW  
ENGINEER:  
ARCHITECT:

**AD-A-5**

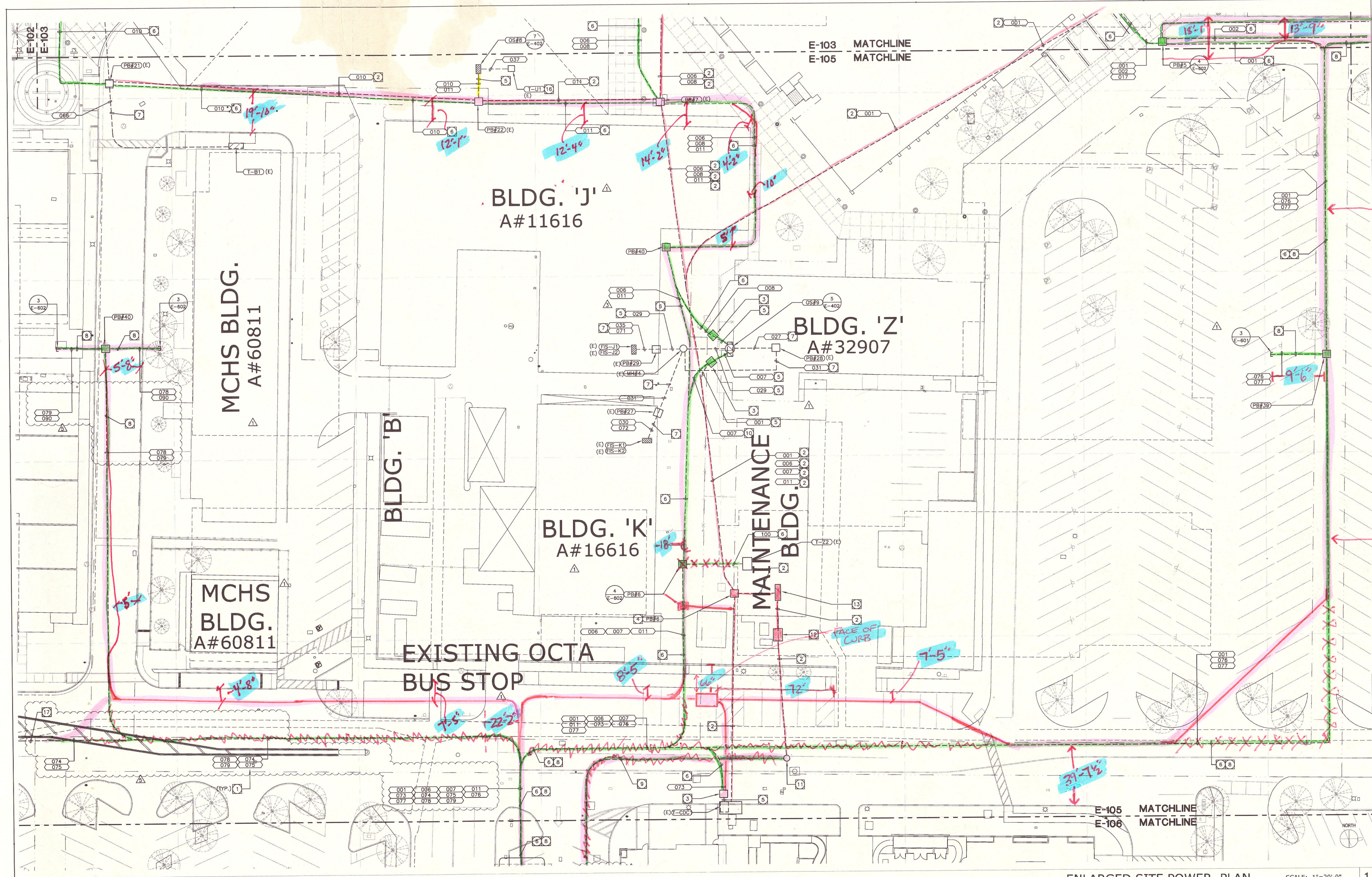


STATE: CALIFORNIA

IDENTIFICATION STAMP		
DIV. OF THE STATE ARCHITECT		
OFFICE OF REGULATION SERVICES		
APP NO 04-113798		
FILE NO 30-C2		
AC	FLS	SS
DATE		

SHEET DESCRIPTION:  
ENLARGED SITE POWER PLAN

SHEET NO:  
E-105



ENLARGED SITE POWER PLAN SCALE: 1"=20'-0" 1

**SITE PLAN GENERAL NOTES:**

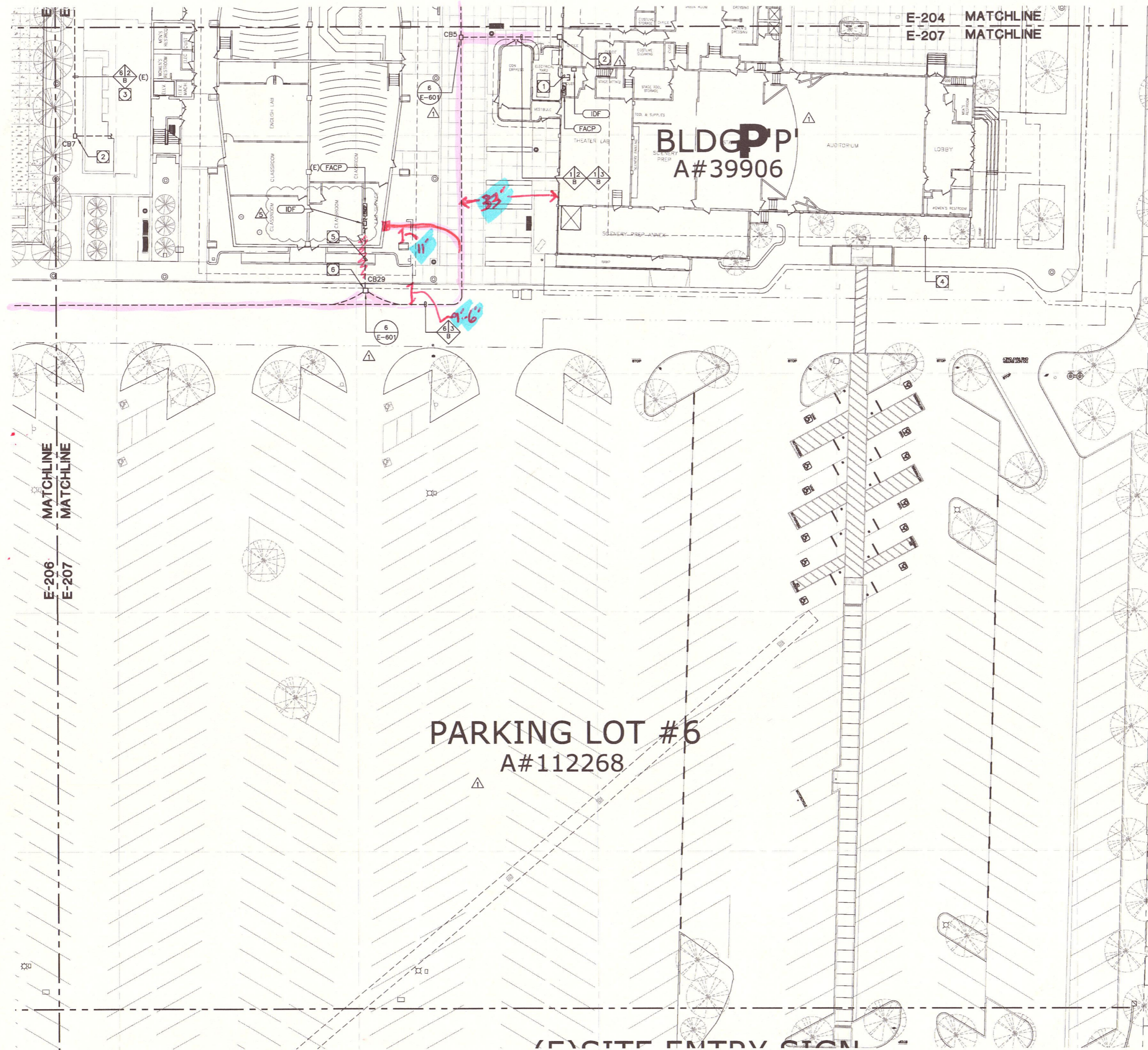
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
- CALL UNDERGROUND SERVICE ALERT (USA) AT 1 (800) 422-4133 OR APPLICABLE STATE AND LOCAL DIG SAFE OR UNDERGROUND ALERT HOTLINES PRIOR TO CONSTRUCTION START.
- MINIMUM CONDUIT SIZE SHALL BE 3/4" - U.O.N.
- MINIMUM CONDUCTOR SIZE SHALL BE #10 AWG. - U.O.N.
- ALL SITE BRANCH CIRCUITS SHALL INCLUDE A NEC SIZED EQUIPMENT GROUND CONDUCTOR.
- ALL ELECTRICAL EQUIPMENT MOUNTED OUTDOORS SHALL BE WEATHERPROOF (NEMA #3R).
- ALL CONDUIT ONLY SHALL BE PROVIDED WITH A NYLON PULL STRING.
- SEE ARCHITECTURAL/LANDSCAPE ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF FIXTURES, PULLBOXES, MANHOLES, OTHER ELECTRICAL DEVICES, ETC. COORDINATE ALL UNDERGROUND STRUCTURES AND CONDUIT ROUTING WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN TO ENSURE THAT SUCH ITEMS ARE NOT PLACED IN CRITICAL LANDSCAPE PLANTING/HARDSCAPE AREAS.
- UNLESS SPECIFICALLY SHOWN AS (E), (R), (ER), (D), EXISTING OR NON-BOLD, ALL ELECTRICAL DEVICES SHOWN ARE NEW.
- PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL LOCATE AND VERIFY ALL UNDERGROUND UTILITIES BY SCANNING AND POT-HOLING AND/OR WHATEVER MEANS NECESSARY.

**SPECIFIC PLAN NOTES:**

- FEEDEE NUMBER, SEE SHEET E-403 FOR ADDITIONAL INFORMATION.
- EXISTING FEEDER TO BE REMOVED. ABANDON CONDUIT IN PLACE.
- INTERCEPT EXISTING CONDUITS AND INSTALL NEW CONDUCTORS AS REQUIRED. PROVIDE INTERCEPT TYPE PULLBOX. SEE DETAIL #6, SHEET E-601.
- EXISTING PULLBOX TO BE REMOVED.
- EXISTING CONDUIT WITH NEW CONDUCTORS.
- NEW CONDUIT WITH NEW CONDUCTORS.
- EXISTING CONDUIT AND CONDUCTORS TO REMAIN. PROTECT IN PLACE.
- NEW CONDUIT ONLY.
- INSTALL PER SCE REQUIREMENTS.
- PART OF THE CENTRAL PLANT PROJECT.

- EXISTING SCE VAULT TO REMAIN. COORDINATE ALL WORK WITH SCE.
- EXISTING SCE TRANSFORMER AND SWITCH TO BE REMOVED. COORDINATE ALL WORK WITH SCE. SEE SHEET E-401 FOR ADDITIONAL INFORMATION.
- EXISTING MAIN SWITCHBOARD "MS" TO BE REMOVED. SEE SHEET E-401 FOR ADDITIONAL INFORMATION.
- NEW PULLBOX FOR FUTURE USE.
- DASHED LINE DENOTES FUTURE BUILDING.
- LOCATED IN SECOND FLOOR ELECTRICAL ROOM.
- CONTINUED ON CENTRAL PLANT DRAWINGS. SEE SHEET E-102.





ENLARGED SITE SIGNAL PLAN

SCALE: 1"=20'-0"

1

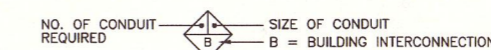
**GENERAL DEMOLITION NOTES:**

1. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. DO NOT SCALE THE ELECTRICAL DRAWINGS TO DETERMINE THE LOCATION OF EQUIPMENT OR OUTLETS. SEE ARCHITECTURAL PLANS, WHERE PROVIDED ON PROJECT, FOR EXTENT OF DEMOLITION.
2. THE EXISTING CONDITIONS SHOWN ARE FROM AVAILABLE RECORD DRAWINGS AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITIONS AT SITE PRIOR TO SUBMITTING BID. ALL DEMOLITION, ALTERATION, EXTENSION, RELOCATION, REHABILITATION WORK SHALL BE INCLUDED IN CONTRACT. NO ADDITIONAL ALLOWANCE OR CHANGE ORDERS WILL BE ACCEPTED.
3. CONTRACTOR IS RESPONSIBLE TO RELOCATE OR REMOVE FROM WALLS, CEILINGS, FLOOR SPACES, ETC. ANY EXISTING CONDUITS, WIRES, BOXES, FITTINGS, FIXTURES OR OTHER ELECTRICAL EQUIPMENT WHICH INTERFERES WITH PLANNED REMODEL WORK. PROVIDE CIRCUIT CONTINUATION REQUIRED FOR ALL EXISTING OUTLETS, FIXTURES, EQUIPMENT, ETC. SCHEDULED TO REMAIN.
4. NOTIFY THE ENGINEER IMMEDIATELY WHEREVER EXISTING EQUIPMENT IS ENCOUNTERED WHICH MUST BE RELOCATED DUE TO THE NEW CONSTRUCTION, OR NOT INDICATED ON "AS-BUILT" DRAWINGS OR WAS BURIED UNDERGROUND OR EMBEDDED IN STRUCTURE WALLS.
5. CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT, UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE SMALLER AREA IF POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.
6. EQUIPMENT, MATERIALS AND SUPPLIES TEMPORARILY REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.
7. DEMOLITION WORK SHALL BE DONE IN A MANNER WHICH WILL NOT CAUSE UNNECESSARY INCONVENIENCE OR DANGER TO USERS OF THE PREMISES AND ADJACENT SITE, AND NOT INTERFERE WITH ITS OPERATION. ANY DEMOLITION WORK TO BE PERFORMED MUST BE PLANNED IN ADVANCE.
8. DO ALL DRILLING, CUTTING, ETC. REQUIRED TO DEMOLISH ELECTRICAL WORK AS INDICATED OR PROVIDE BLANK COVER PLATE ON ALL OUTLETS EXPOSED BY REMOVAL OF FIXTURE OF DEVICES.
9. RESEAL ALL PENETRATIONS OR OPENING THROUGH WALLS, CEILING, FLOORS, ETC., TO MAINTAIN THE RATING OF STRUCTURE.
10. ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGED MATERIALS SHALL REMAIN IN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY OWNER AND NEATLY PILE OR STORE AND PROTECT FROM DAMAGE. DISPOSE OF ALL HAZARDOUS MATERIAL PER FEDERAL, STATE AND LOCAL REGULATIONS AND OTHER AGENCIES HAVING JURISDICTION.

**SITE PLAN GENERAL NOTES:**

1. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
2. CALL UNDERGROUND SERVICE ALERT (USA) AT 1 (800) 422-4133 OR APPLICABLE STATE AND LOCAL DIG SAFE OR UNDERGROUND ALERT HOTLINES PRIOR TO CONSTRUCTION START.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4" - U.O.N.
4. MINIMUM CONDUCTOR SIZE SHALL BE #10 AWG. - U.O.N.
5. ALL SITE BRANCH CIRCUITS SHALL INCLUDE A NEC SIZED EQUIPMENT GROUND CONDUCTOR.
6. ALL ELECTRICAL EQUIPMENT MOUNTED OUTDOORS SHALL BE WEATHERPROOF (NEMA #3R).
7. ALL CONDUIT ONLY SHALL BE PROVIDED WITH A NYLON PULL STRING.

**LEGEND OF CONDUIT SYMBOLS**

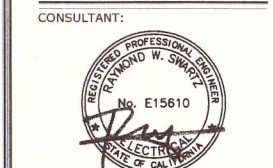


**NOTES:**

1. EXISTING (2) 2" C. SPARES ROUTED ON THE OUTSIDE OF THE BUILDING TO BE USED FOR NEW CABLES. SEE SHEET E-701 FOR MORE INFORMATION.
2. EXISTING PULLBOX.
3. EXISTING 2" C. SPARES TO BE USED FOR NEW CABLES. SEE SHEET E-701 FOR MORE INFORMATION.
4. OUTLINE OF FUTURE BUILDING.
5. REMOVE EXISTING FIRE ALARM FIBER OPTIC CABLE FROM EXISTING CONDUIT AND INSTALL NEW FIBER OPTIC CABLE AS SPECIFIED.
6. INTERCEPT EXISTING CONDUITS AS REQUIRED.

No.	Rev. Date	Description
4	06/16/2015	ADDENDUM 04
5	06/25/2015	ADDENDUM 05

JOB NO: 13022.02  
DATE: 03/06/2015  
DRAWN: MM / RR / RB  
CHECK: JG / MM  
ARCHITECT: PDW  
ENGINEER:  
ARCHITECT:



STATE: CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APP NO: 04-113798 FILE NO: 30-C2
AC: FLS SS DATE:

SHEET DESCRIPTION:  
PARTIAL SITE SIGNAL  
PLAN

SHEET NO:

# SANTA ANA COLLEGE CONVERSION OF "H" BUILDING

SANTA ANA, CALIFORNIA

1969-70 CAPITAL IMPROVEMENT PROGRAM

PRIORITY NO. 5

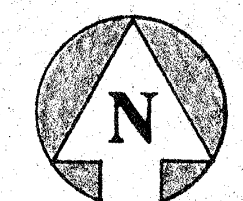
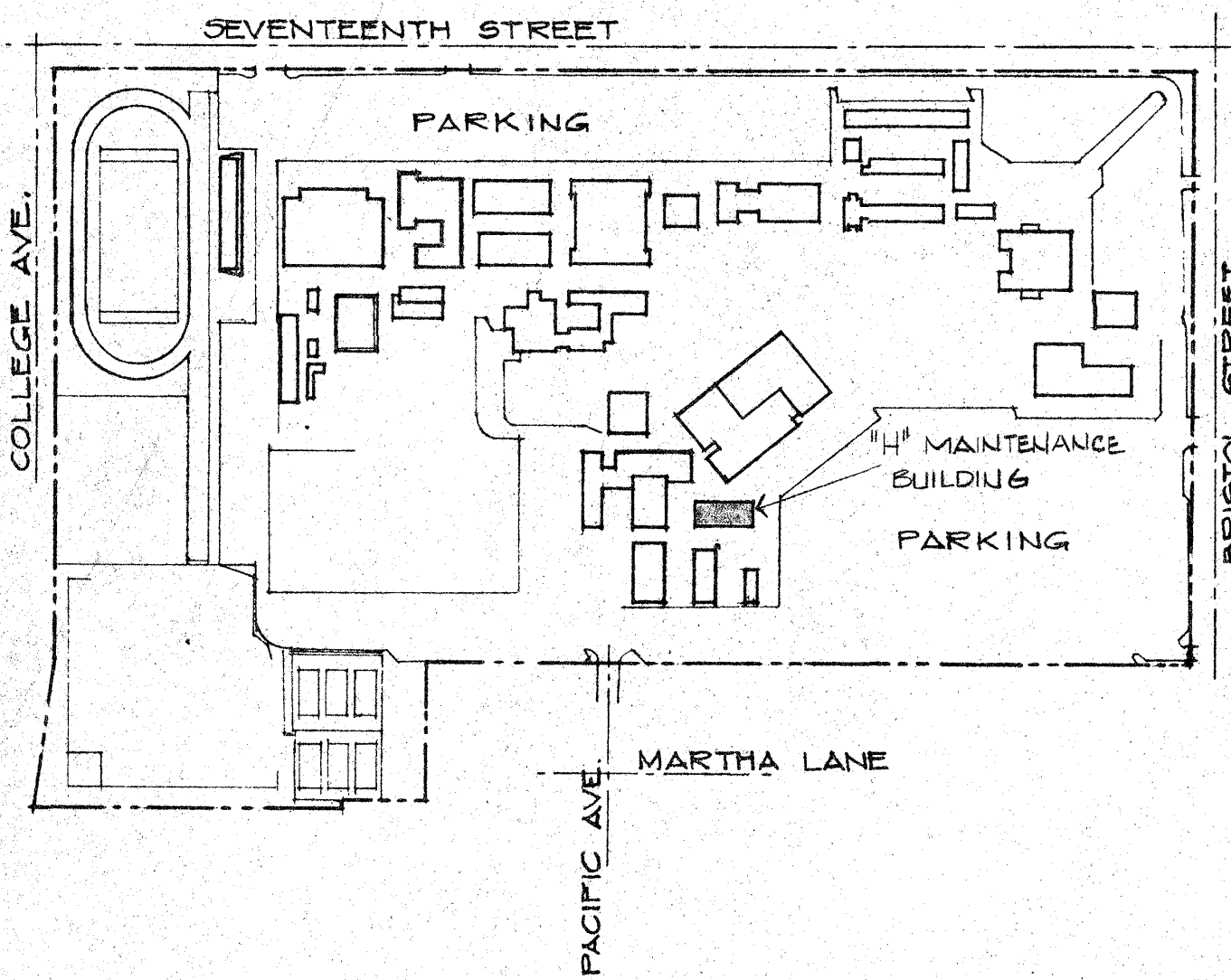
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SANTA ANA COLLEGE	SANTA ANA COLLEGE	SANTA ANA COLLEGE	SANTA ANA COLLEGE	SANTA ANA COLLEGE	SANTA ANA COLLEGE	SANTA ANA COLLEGE	SANTA ANA COLLEGE	SANTA ANA COLLEGE	SANTA ANA COLLEGE

**"H" MAINTENANCE BUILDING CLASSIFICATION**

1. TYPE III CONSTRUCTION (1 STORY)
2. NO FIRE RATING
3. GROUND FLOOR AREA 5400 SQ. FT. (GROSS)
4. GROUP "F-2" OCCUPANCY

THIS BUILDING WAS PREVIOUSLY CLASSIFIED AS "C" OCCUPANCY.

DWG NO	SHEET TITLE	DWG NO	SHEET TITLE
1	TITLE SHEET		
<b>ARCHITECTURAL</b>			
A1	GROUND FLOOR PLAN & DETAILS (ALT. No. "A-9")		
A2	INTERIOR ELEVATIONS		
A3	INTERIOR ELEVATIONS		
A4	DOOR & FINISH SCHEDULES		
<b>ELECTRICAL</b>			
E1	ELECTRICAL GROUND FLOOR PLAN (ALT. No. "A-9")		



**SYMBOL FOR DETAIL AND SECTION**

Ⓜ ———— DETAIL REFERENCE SYMBOL  
 Ⓜ ———— NUMBER OF SHEET ON WHICH DETAIL IS SHOWN

Ⓜ ———— SECTION REFERENCE SYMBOL

**SYMBOL FOR DRAWING SUBTITLE**

Ⓜ ———— DRAWING REFERENCE SYMBOL

**SCALE**

3" = 1'-0" ———— SCALE AT WHICH DRAWING IS DRAWN

**DOOR SYMBOLS**

Ⓜ ———— DOOR NUMBER  
 Ⓜ ———— NUMBER OF SHEET ON WHICH DOOR SCHEDULE IS DRAWN. DOOR SIZES & DETAIL REFERENCES ARE SHOWN ON SCHEDULE.

**ROOM NUMBERS**

Ⓜ ———— REFERENCE TO WALL ELEVATION  
 Ⓜ ———— ROOM OR SPACE NUMBER  
 Ⓜ ———— SHEET NUMBER ON WHICH ELEVATIONS ARE SHOWN

**WALL SYMBOLS**

Ⓜ ———— EXISTING WALLS AND PARTITIONS TO BE REMOVED UNLESS OTHERWISE NOTED

Ⓜ ———— EXISTING WALLS AND PARTITIONS TO REMAIN. ALTER AS NOTED OR DETAILED

Ⓜ ———— NEW 2 X WOOD STUDS @ 16" O.C.

Ⓜ ———— REFER TO COLOR SYMBOLS DWG A4

AND AT	Ⓜ	SCHEDULE SHEET	SCH.
BEAM BLOCK	BM BLK	SOLID CORE STEEL STRUCTURE	SH S.C. STL STRUCT.
CEILING CHANNEL COLUMN CONCRETE CONTINUOUS	CLG C COL. CONC. CONT.	TYPICAL	TYP.
DOOR DOUBLE	DR. DBL.	WIDE FLANGE WITH WOOD	WF W/ WD
EACH EXISTING	EA EXIST.		
FINISHED FLOOR FOUNDATION	FIN. FL FOUND.		
GAUGE GYPSUM	GA. GYP.		
HEADER	HDR.		
JOISTS	JTS		
MANUFACTURER METAL MINERAL CORE MINIMUM	MFR. MET. M.C. MIN.		
ON CENTER	O.C.		
PLATE	PL		
REQUIRED	REQ'D		

VICINITY MAP

DRAWING INDEX

SYMBOLS

ABBREVIATIONS

"H" MAINTENANCE BUILDING

SHEET NUMBER  
**1**  
AD-A-6  
DATE 9-6-70

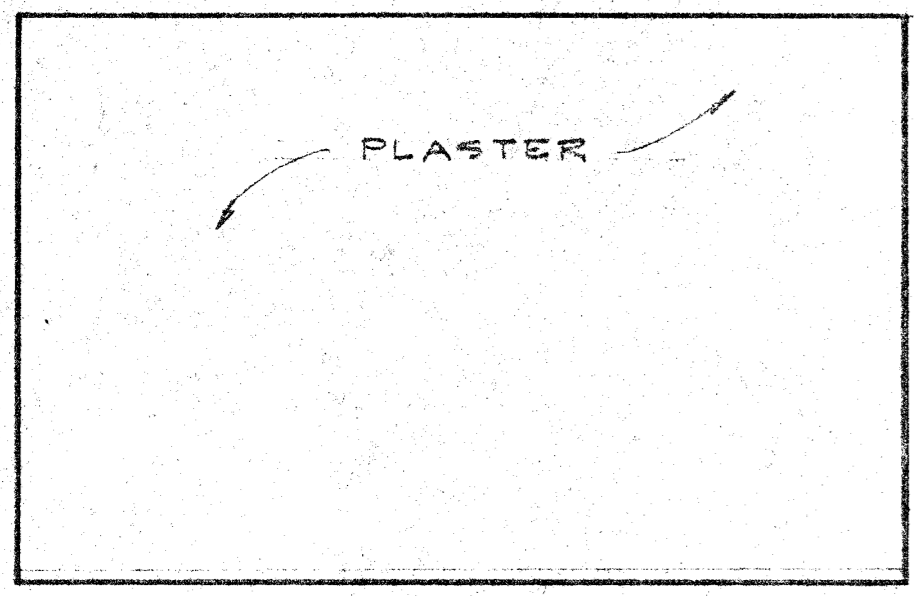
GRILLIAS • SAVAGE • ALVES  
planning architecture engineering

SANTA ANA COLLEGE DISTRICT JUNIOR COLLEGE DISTRICT SANTA ANA, CALIFORNIA 1530 WEST SEVENTEENTH STREET

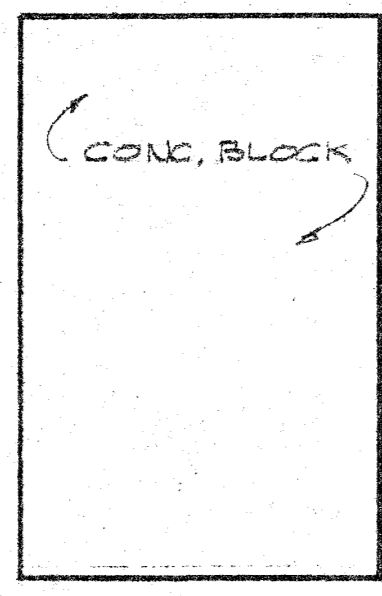
SANTA ANA COLLEGE DISTRICT JUNIOR COLLEGE DISTRICT SANTA ANA, CALIFORNIA 1530 WEST SEVENTEENTH STREET



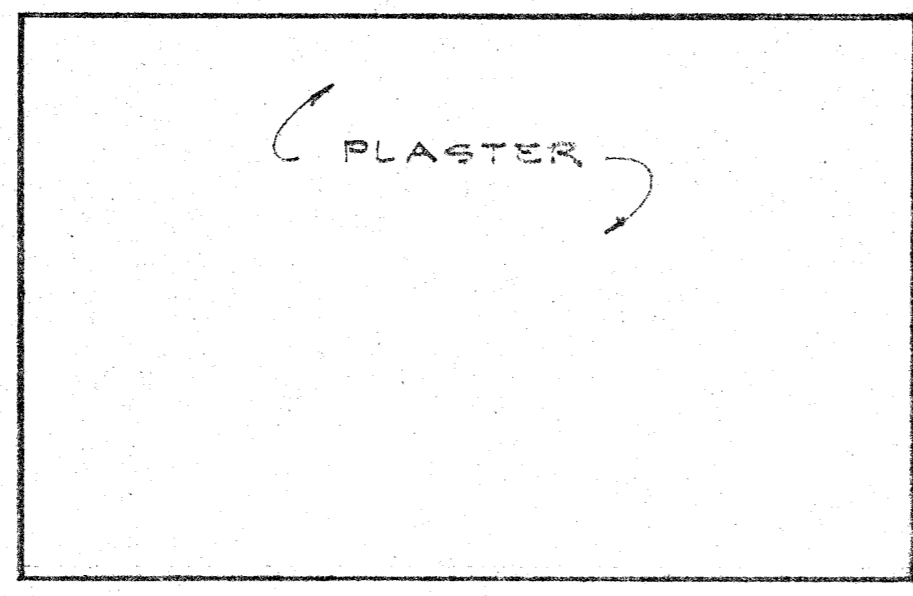




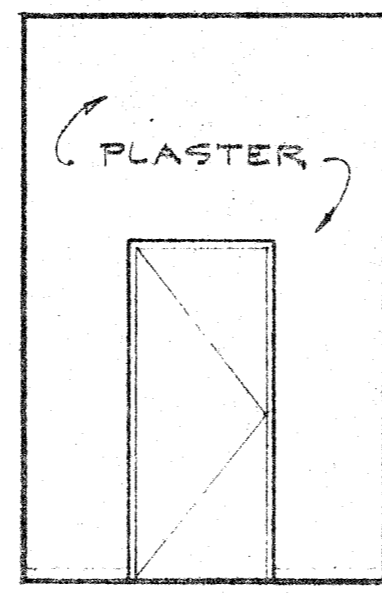
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②



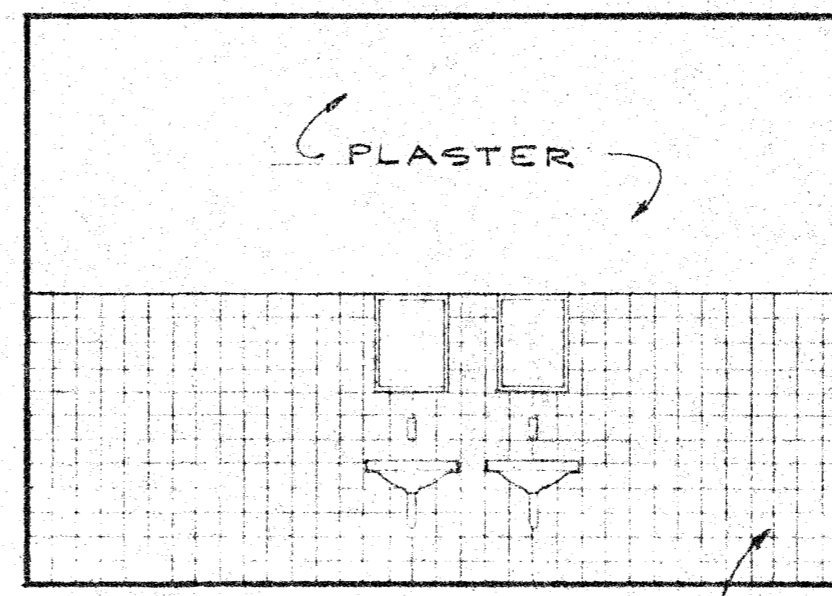
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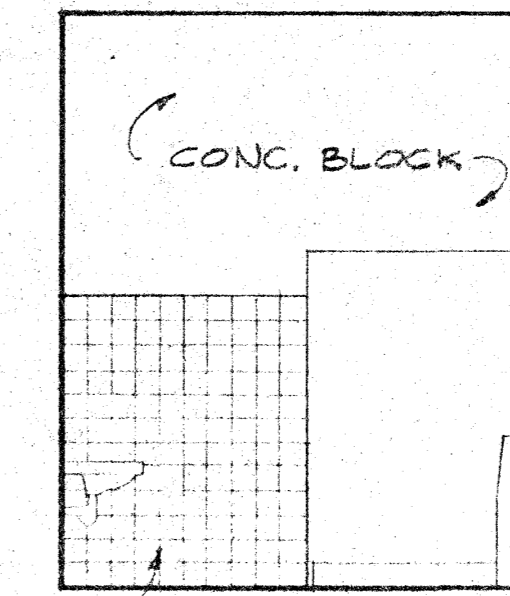
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**STORAGE 108 (NO CHANGE)**

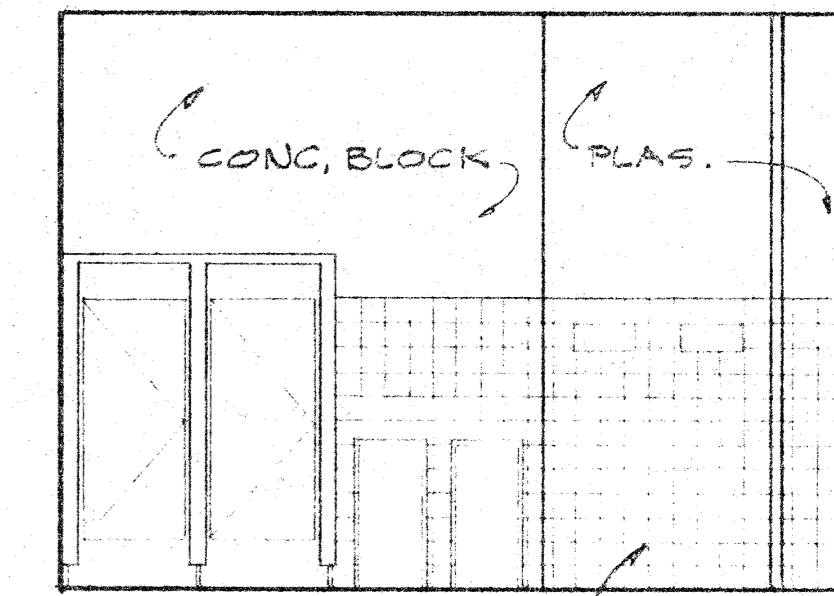
SCALE 1/4"=1'-0" **A**



①



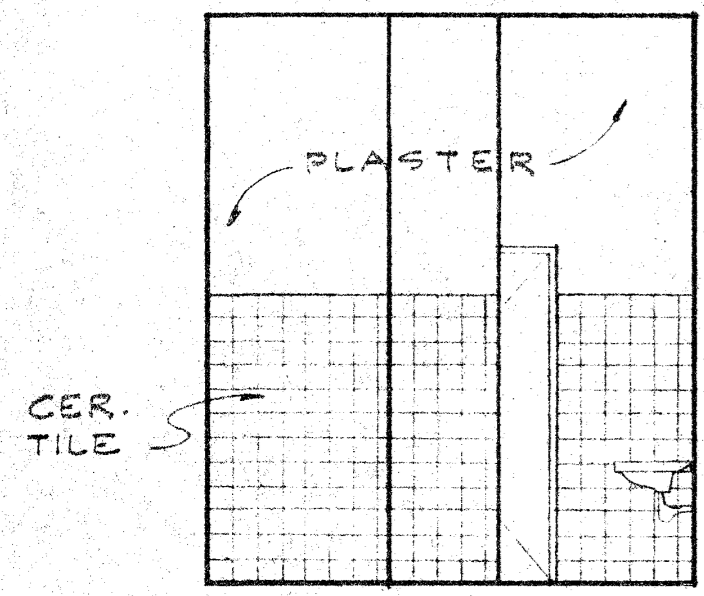
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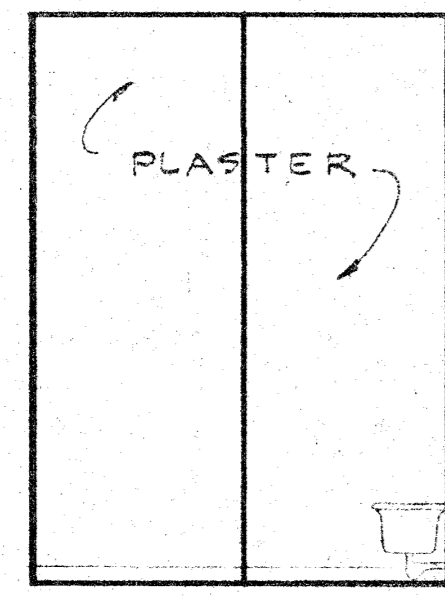
**TOILET 109 (NO CHANGE)**

SCALE 1/4"=1'-0" **B**

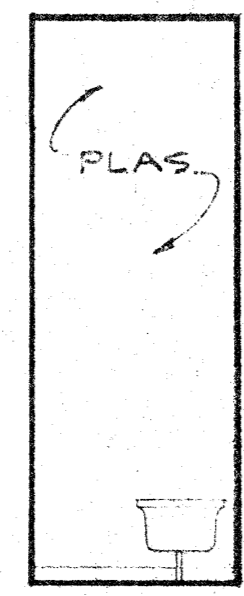


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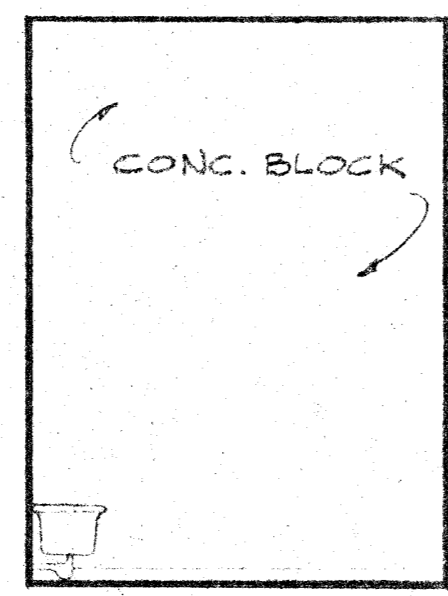
NO CHANGE



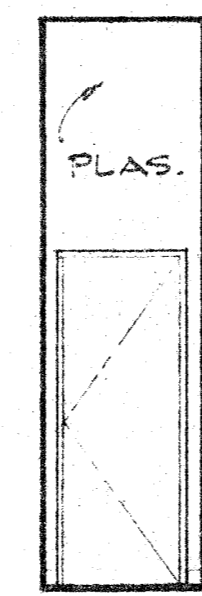
①



②



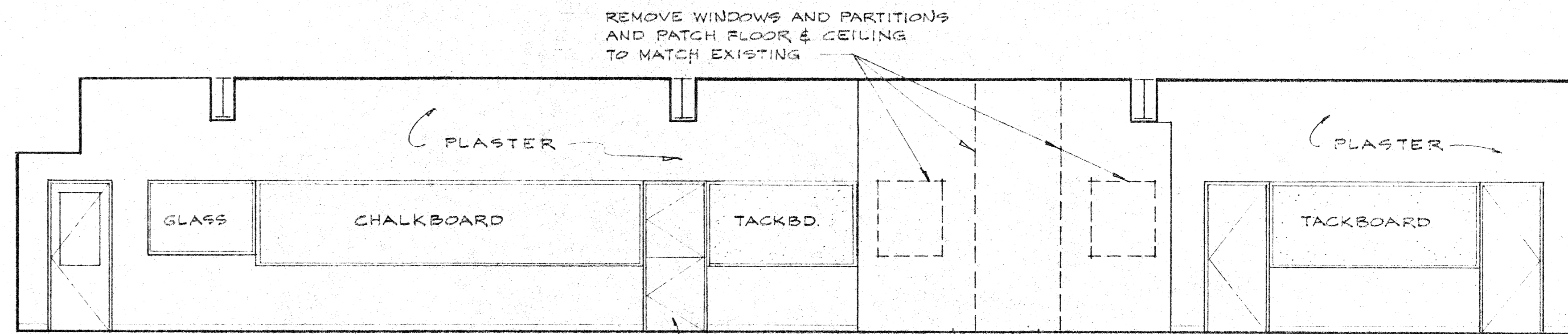
③



④

**CUSTODIAN 110 (NO CHANGE)**

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



①

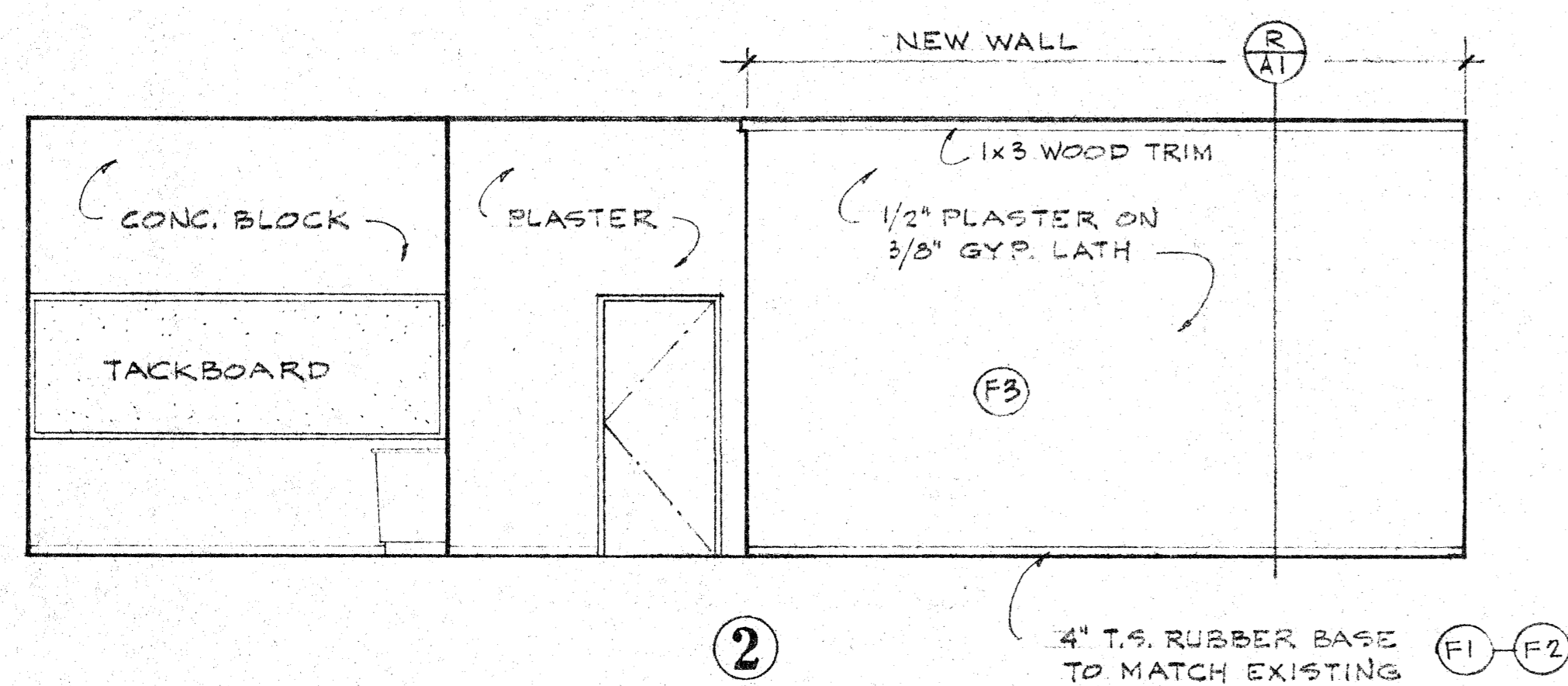
NEW OPENING

**TOILET 109**

SCALE 1/4"=1'-0" **C**

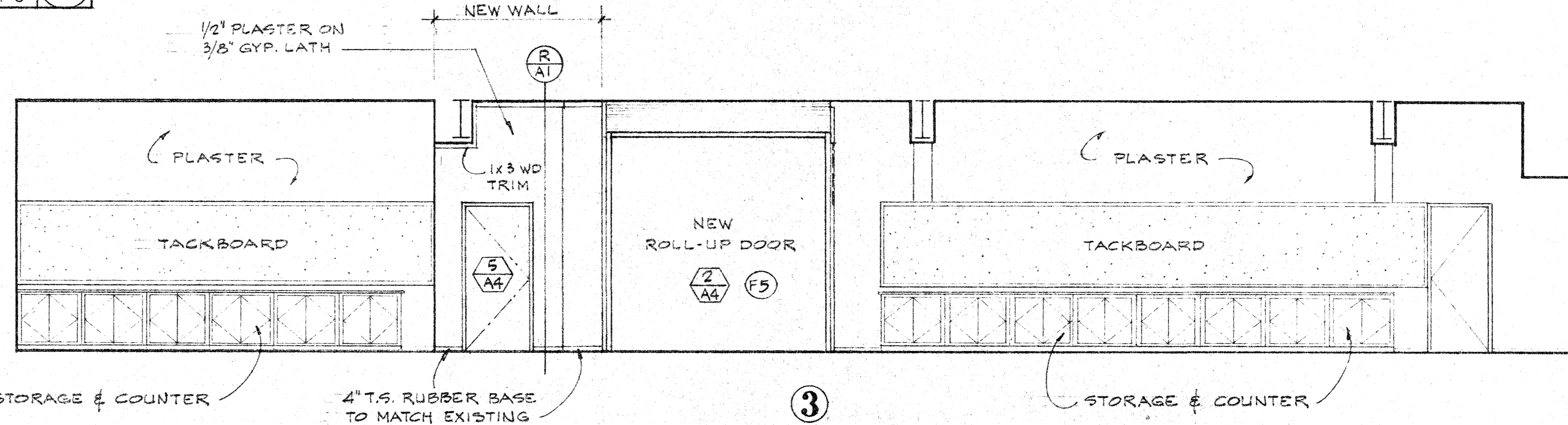
**CUSTODIAN 110 (NO CHANGE)**

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



②

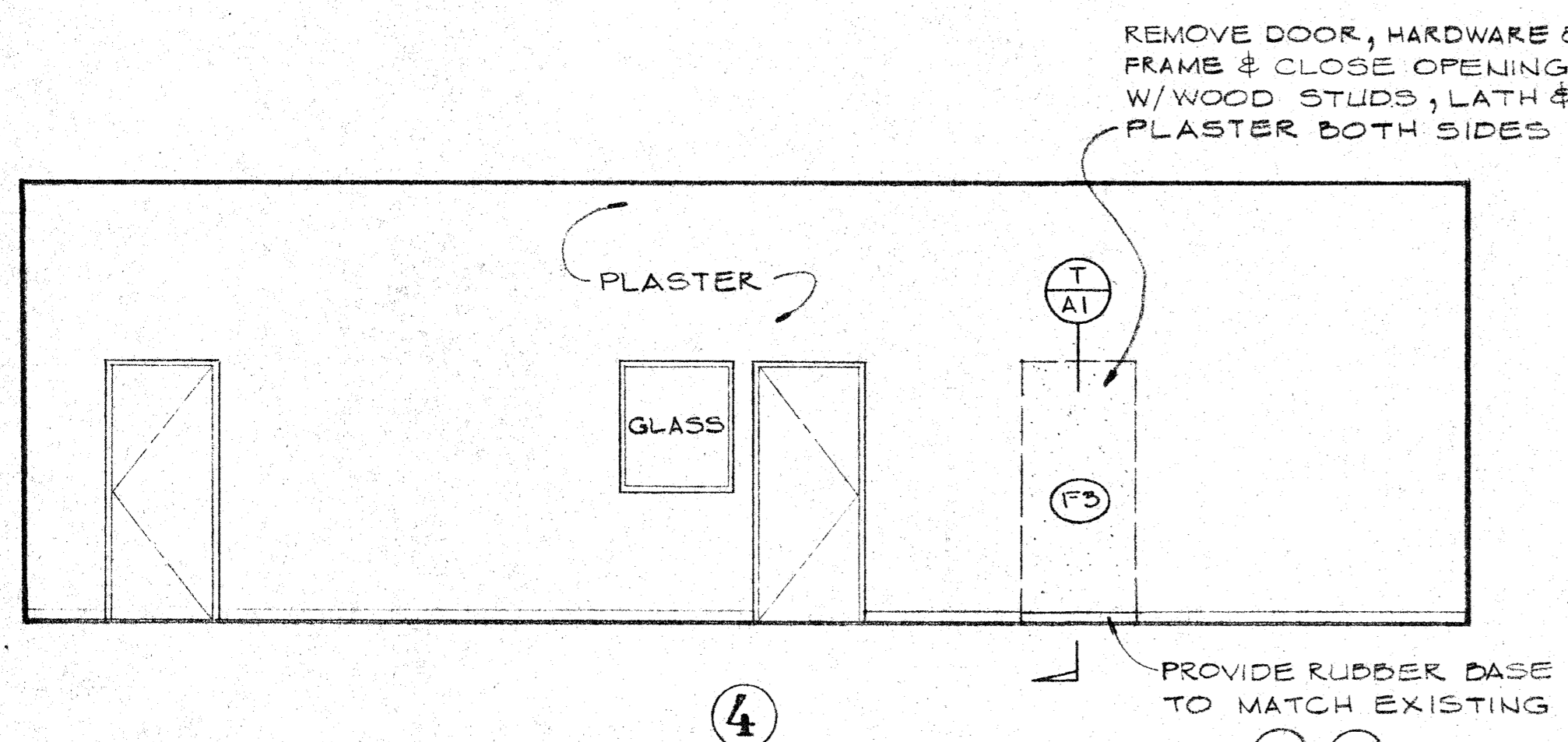
4" T.S. RUBBER BASE TO MATCH EXISTING (F1)-(F2)



③

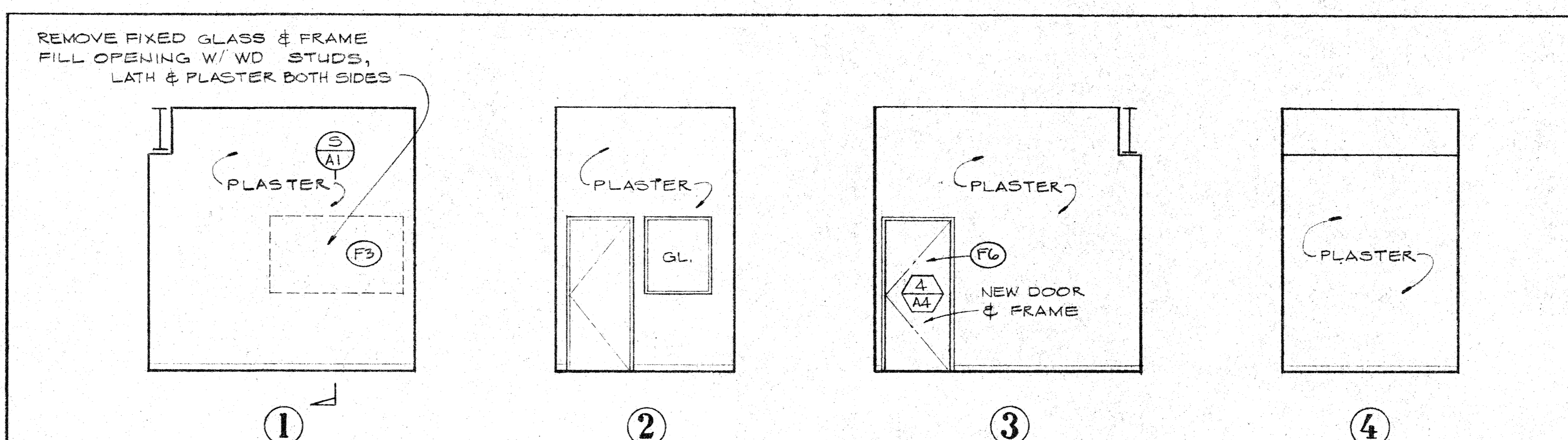
STORAGE & COUNTER 4" T.S. RUBBER BASE TO MATCH EXISTING

STORAGE & COUNTER



④

(F1)-(F2)



①

②

③

④

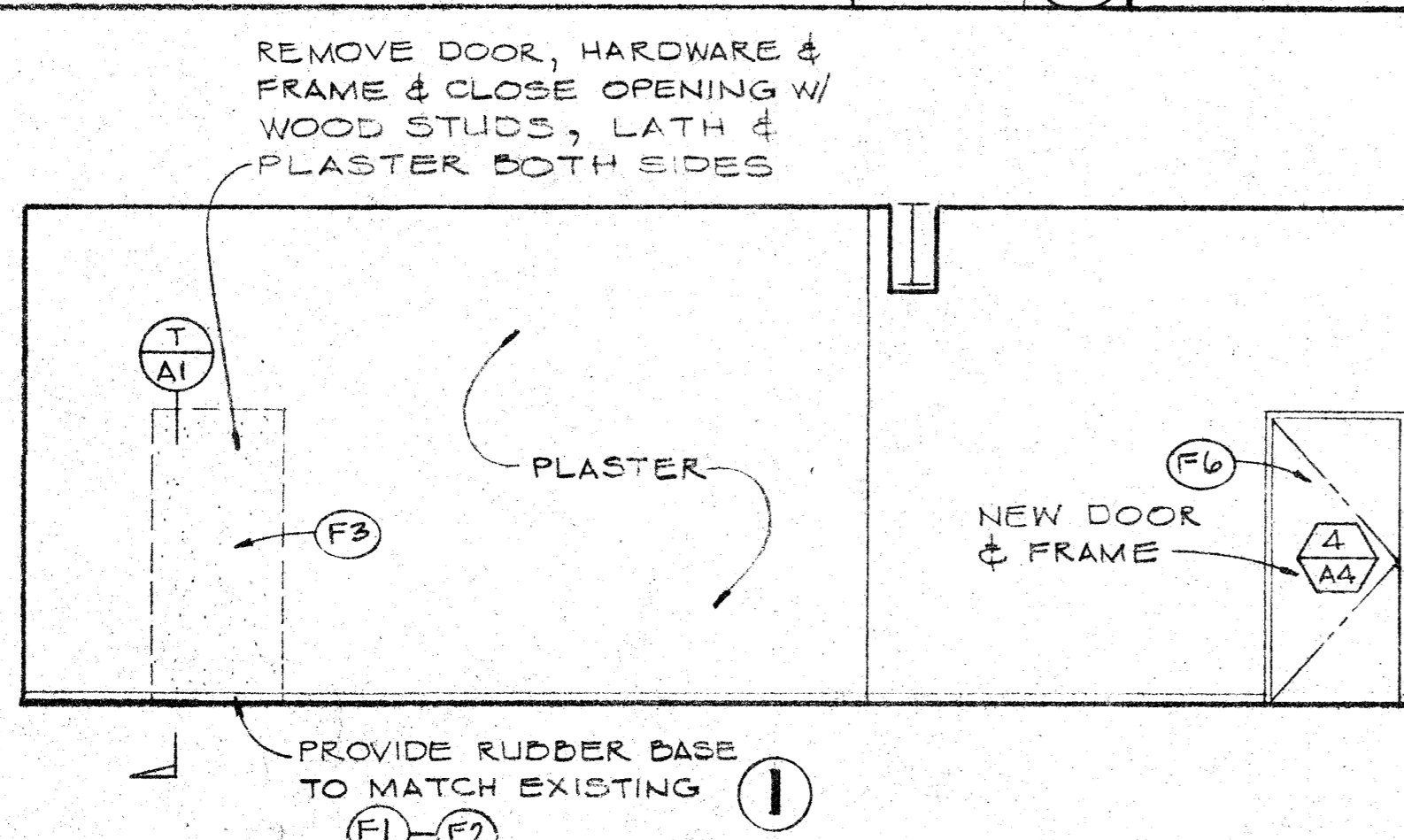
**WAREHOUSE 111**

SCALE 1/4"=1'-0" **E**

**OFFICE 112**

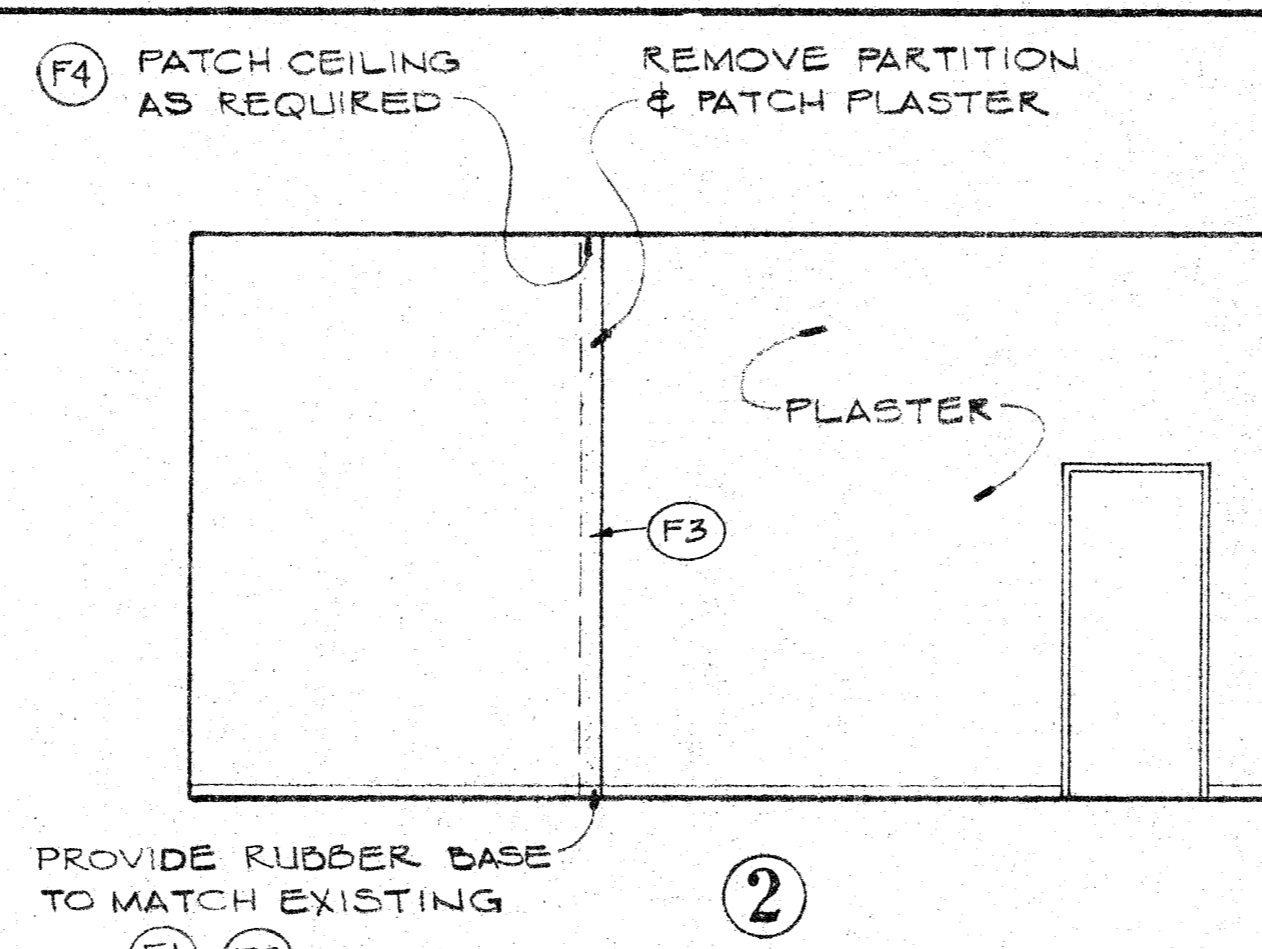
SCALE 1/4"=1'-0" **F**

**NOTE:**  
ALL CONSTRUCTION SHOWN ON THIS SHEET IS EXISTING AND SHALL REMAIN AS IS UNLESS NOTED AND INDICATED.



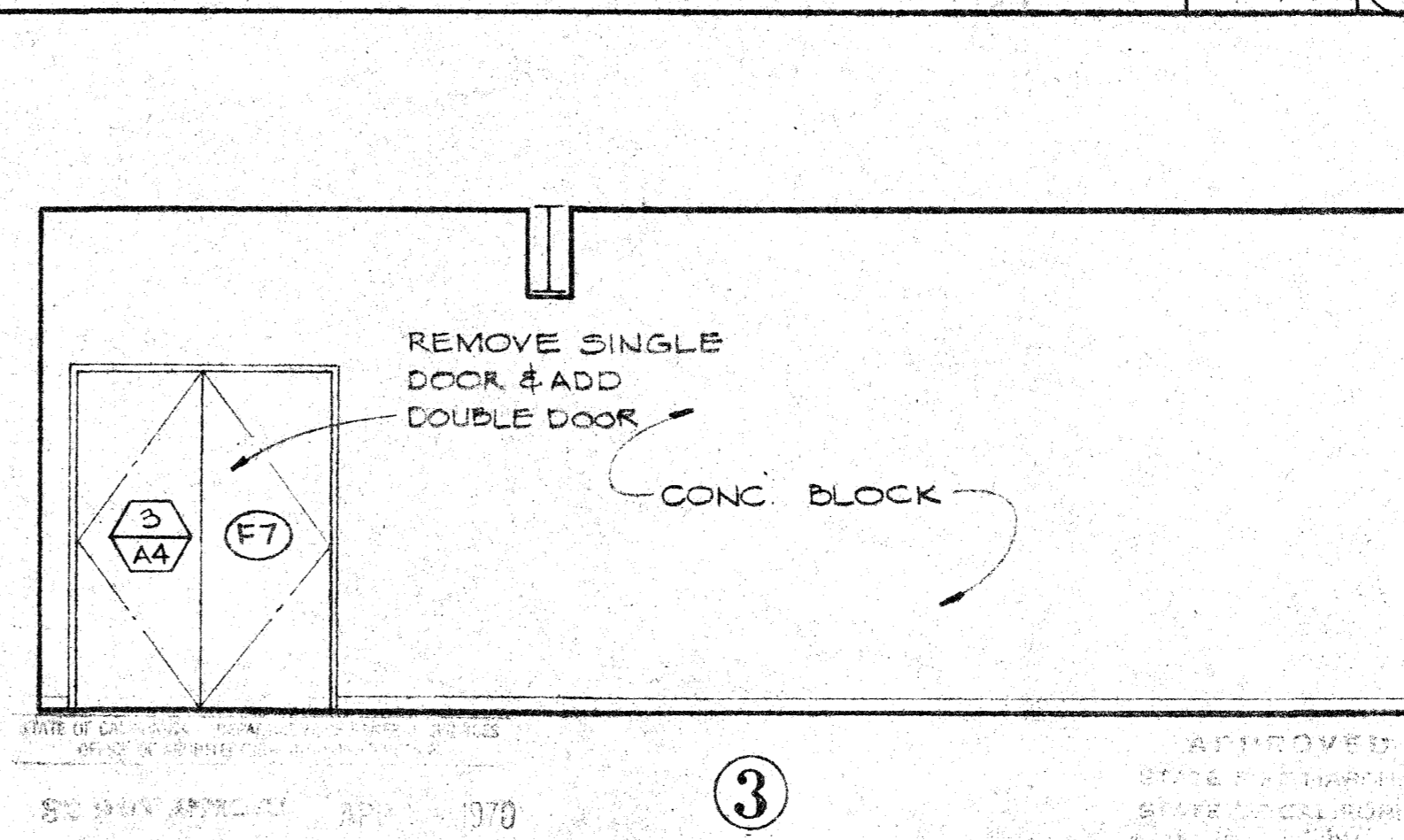
①

(F1)-(F2)

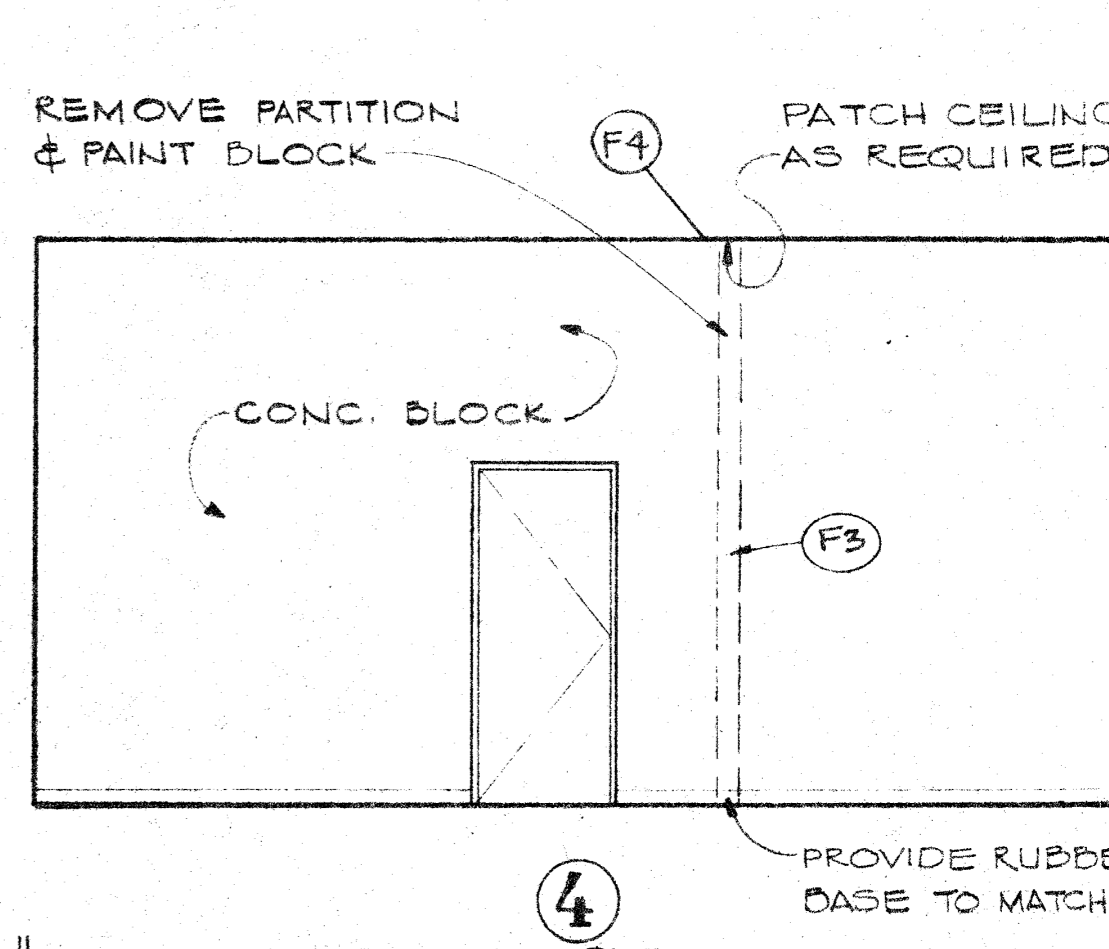


②

(F1)-(F2)



③



④

(F3)

**"H" MAINTENANCE BUILDING**

**MAINTENANCE 113**

SCALE 1/4"=1'-0" **G**

SANTA ANA COLLEGE DISTRICT JUNIOR COLLEGE SANTA ANA, CALIFORNIA  
 1530 WEST SEVENTEENTH STREET  
 ARCHITECT: GRILLIAS • SAVAGE • ALVES  
 OWNED BY: SANTA ANA COLLEGE DISTRICT JUNIOR COLLEGE  
 CIVIL ENG. DATE ISSUED FOR: 11-1-70  
 ELECTR. ENG. DATE ISSUED FOR: 11-1-70  
 MECH. ENG. DATE ISSUED FOR: 11-1-70  
 MANAGER: J.F./E.K./P.L.  
 DRAFTSMAN: J.F./E.K./P.L.  
 DATE ISSUED FOR: 11-1-70  
 BY: CR. NO. DATE ISSUED FOR: 11-1-70  
 508 north main street, santa ana 947-6133  
 planning architecture engineering  
 SHEET NUMBER: A3  
 DATE: 3-6-70



# SANTA ANA COLLEGE MAINTENANCE SERVICE BUILDING

SANTA ANA, CALIFORNIA

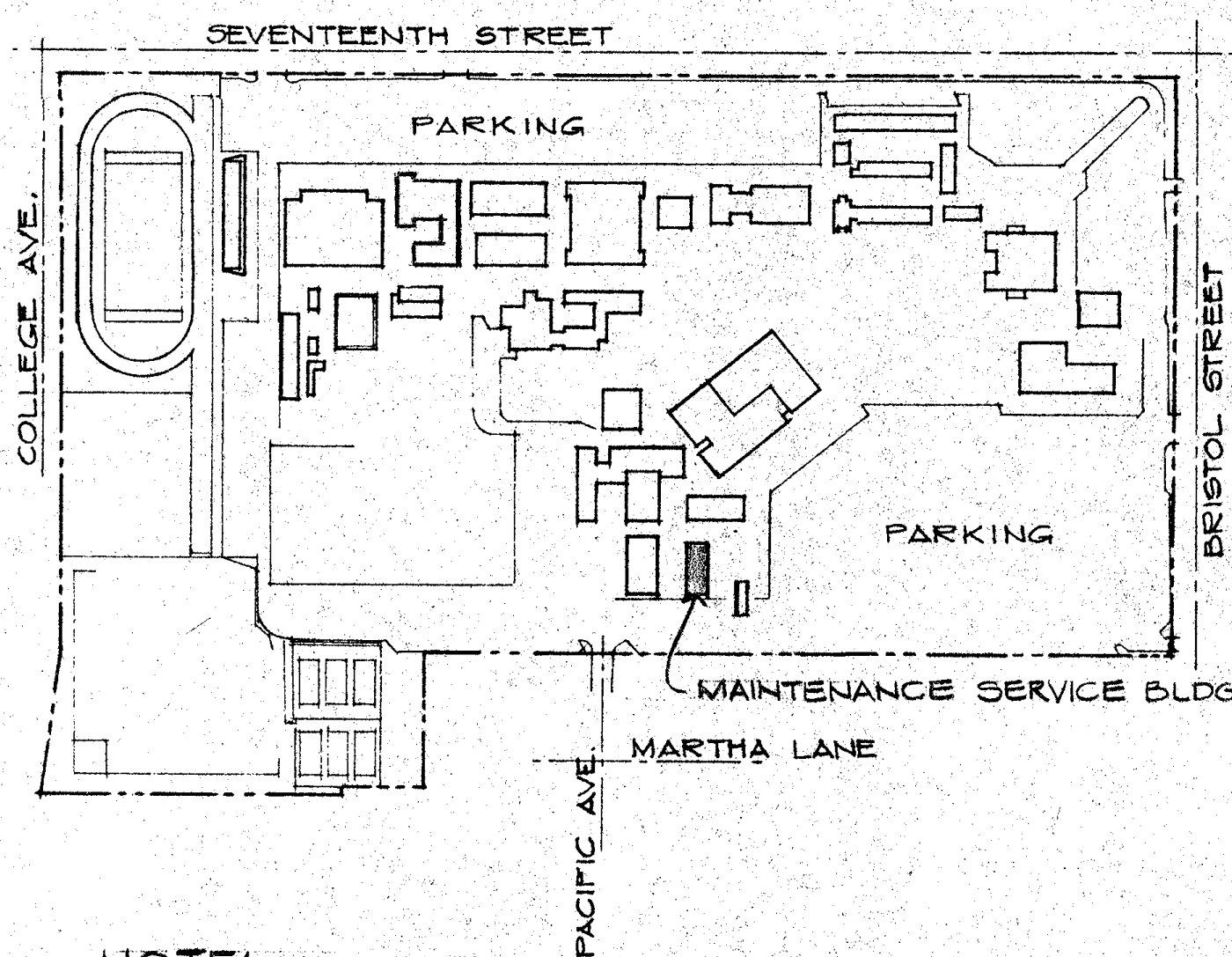
1969-70 CAPITAL IMPROVEMENT PROGRAM

PRIORITY NO. 4

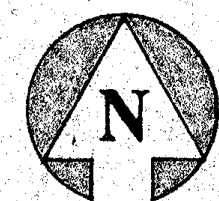
SANTA ANA COLLEGE DISTRICT JUNIOR COLLEGE DISTRICT  
 ARCHITECT: [ ] OWNED BY: [ ] STR. ENG.: [ ] CIVIL ENG.: [ ]  
 MICH. ENG.: [ ] ELEC. ENG.: [ ] MANAGER: [ ] DRAFTSMAN: [ ]  
 STATE APPROVAL: [ ]  
 NO. DATE ISSUED FOR: [ ] BY: [ ] DATE ISSUED FOR: [ ]  
 TITLE SHEET Z-8  
 GRILLIAS • SAVAGE • ALVES  
 planning architecture engineering  
 508 north main street, santa ana 92701  
 835-2311  
 JOB NO. GS-1151 SHEET NUMBER 1 DATE 3-6-70 AD-A-7

MAINTENANCE SERVICE BUILDING CLASSIFICATION:

1. TYPE III CONSTRUCTION (1 STORY)
2. NO FIRE RATING
3. GROUND FLOOR AREA 3780 SQ. FT. (GROSS)
4. GROUP "F-1" OCCUPANCY.



**NOTE:**  
SEE SITE DEVELOPMENT PLANS PRIORITY No. 4 FOR ACTUAL BLDG. LOCATION, FINISH FLOOR ELEV. & OTHER GRADING REQUIREMENTS AT PERIMETER OF BUILDING.



DWG NO	SHEET TITLE	DWG NO	SHEET TITLE
1	TITLE SHEET		
		P1	PLUMBING GROUND FLOOR PLAN
		P2	PLUMBING DETAILS
<b>ARCHITECTURAL</b>			
A1	FOUNDATION - GROUND FLOOR - & ROOF PLANS		
A2	REFLECTED CEILING PLAN & EXTERIOR ELEVATIONS		
A3	INTERIOR ELEVATIONS		
A4	INTERIOR ELEVATIONS & DETAILS		
A5	DOOR & FINISH SCHEDULES		
A6	EXTERIOR DETAILS		
<b>MECHANICAL</b>			
M1	GROUND FLOOR PLAN, SCHEDULES & DETAILS		
<b>STRUCTURAL</b>			
S1	STRUCTURAL DETAILS & NOTES		
S2	ROOF FRAMING PLAN AND DETAILS		
<b>ELECTRICAL</b>			
E1	ELECTRICAL GROUND FLOOR PLAN		

SYMBOL FOR DETAIL AND SECTION

- (1/A1) ← DETAIL REFERENCE SYMBOLS  
NUMBER OF SHEET ON WHICH DETAIL IS SHOWN
- (A/A1) ← SECTION REFERENCE SYMBOL

SYMBOL FOR DRAWING SUBTITLE

- (A) ← DRAWING REFERENCE SYMBOL

- SCALE**  
3" = 1'-0" ← SCALE AT WHICH DRAWING IS DRAWN

DOOR SYMBOLS

- (1/A5) ← DOOR NUMBER  
NUMBER OF SHEET ON WHICH DOOR SCHEDULE IS DRAWN. DOOR SIZES & DETAIL REFERENCES ARE SHOWN ON SCHEDULE.

ROOM NUMBERS

- 1 ← REFERENCE TO WALL ELEVATION
- 4 | 101 | 2 ← ROOM OR SPACE NUMBER
- 3 | A14 | ← SHEET NUMBER ON WHICH ELEVATIONS ARE SHOWN

WALL SYMBOLS

- 4" WIDE X 16 GA. STRUCTURAL STL STUDS (PENN METAL "4000S16 FLN" OR EQUAL) @ 12" OC. UNLESS OTHERWISE NOTED; SEE MISCELLANEOUS NOTE No. 2 SHEET No. S1.
- CONCRETE WALL OR COLUMN. SEE PLANS AND DETAILS FOR THICKNESS.
- 6" THICK CONCRETE BLOCK WALL UNLESS OTHERWISE NOTED OR DIMENSIONED.

ALTERNATE ANCHOR APPLIED ARCHITECT	ALT. ANCH. A.	HOLLOW METAL HORIZONTAL	H.M. HORIZ.
ASPHALT CONCRETE AT ANGLE	A.C. @ L	INSIDE DIAMETER	I.D.
BOTTOM	BOT.	LAMINATED	LAM.
CENTER LINE CLEAR COLUMN CONCRETE CONTINUOUS	C. CLR. COL. CONC. CONT.	MAXIMUM METAL MINIMUM MANUFACTURER	MAX. MET. MIN. MFR.
DIAMETER DIMENSION DOWN DOWNSPOUT DRAWING	∅ DIM. DR. DN. D.S. DWG.	ON CENTER OPENING	O.C. O.P.G.
EACH WAY ELECTRICAL ELEVATION EXPANSION	E.A. E.W. ELEC. EL. ELEV. EXP.	PENNY (NAIL SIZE) PLASTER PLATE	P. PLAS. P.
FINISH FLOOR FIRE EXTINGUISHER FIRE SPRINKLER HEAD F.S.H.	FIN. FLR. FLR. F.E. F.S.H.	REINFORCING ROOF DRAIN	REINF. R.D.
GAUGE GLUE LAMINATED GALVANIZED	GA. GLU-LAM. GALV.	SCHEDULE SECTION SPECIFICATION SQUARE STEEL STORAGE STRUCTURAL	SCH. SECT. SPEC. SQ. STL. STOR. STRUCT.
		TYPICAL	TYP.
		VERTICAL	VERT.
		WITH WATERPROOFING	W/ W.P.

**SYMBOLS**

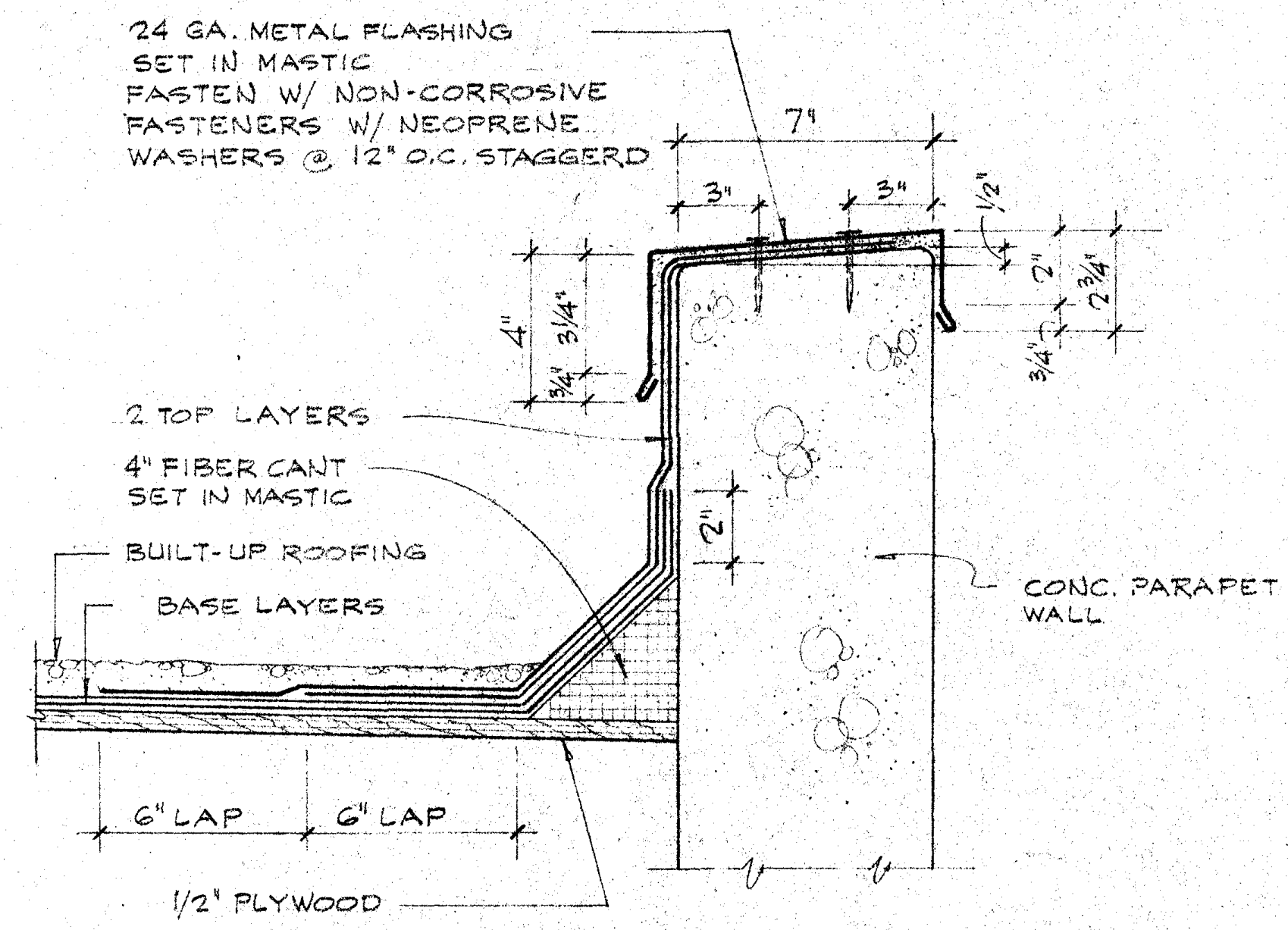
**ABBREVIATIONS**

**VICINITY MAP**

**DRAWING INDEX**

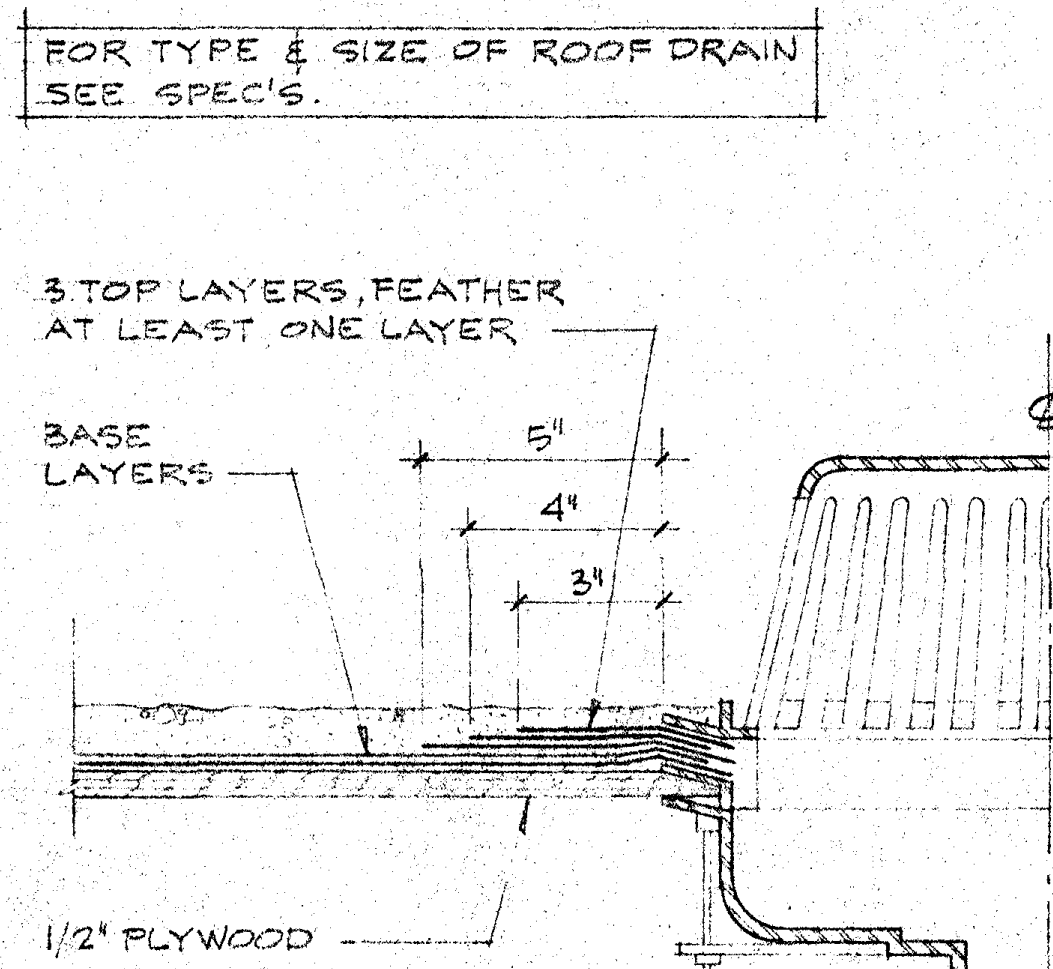
**SERVICE BUILDING**

**AD-A-7**



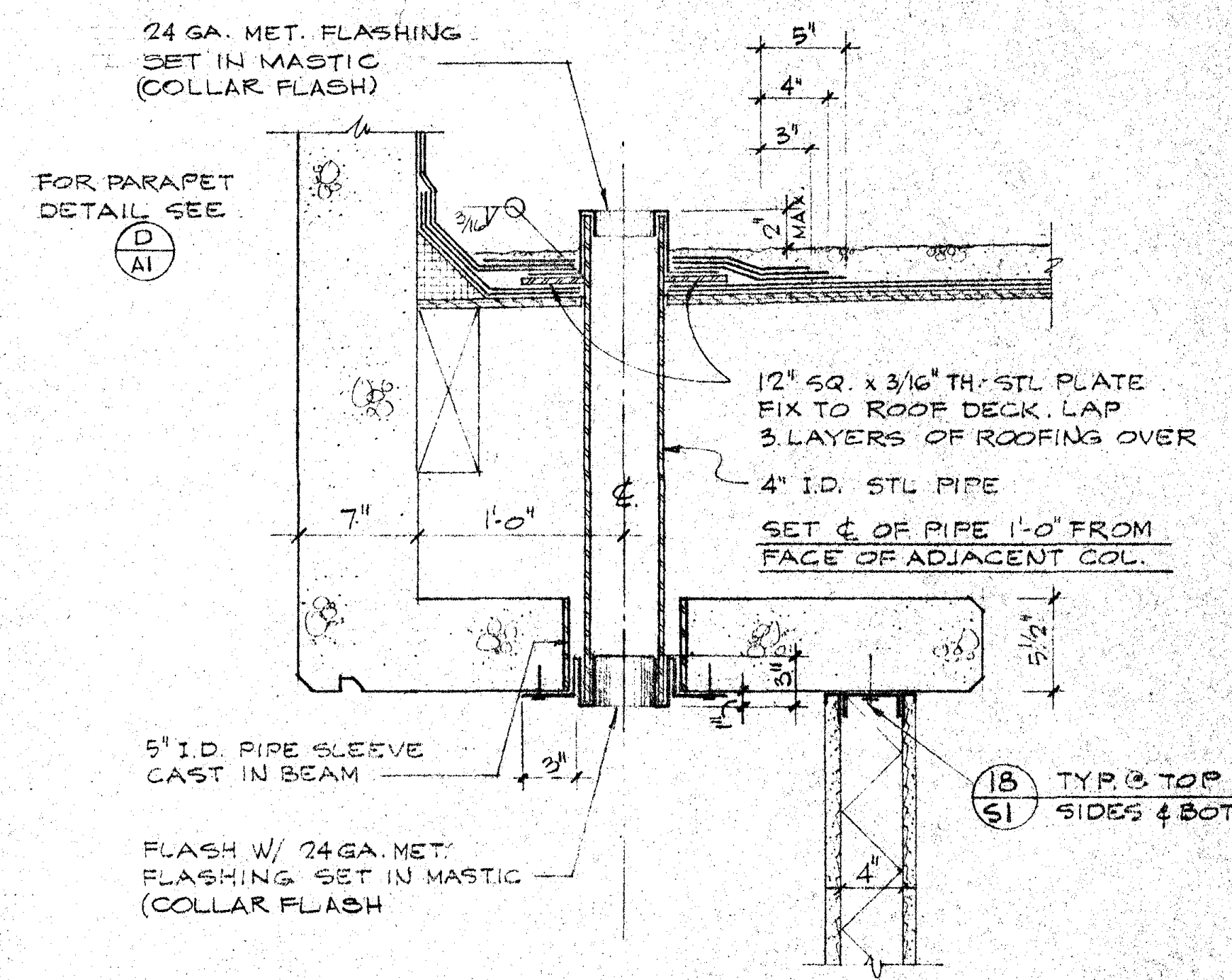
PARAPET DETAIL

SCALE 3/4"=1'-0" **D**



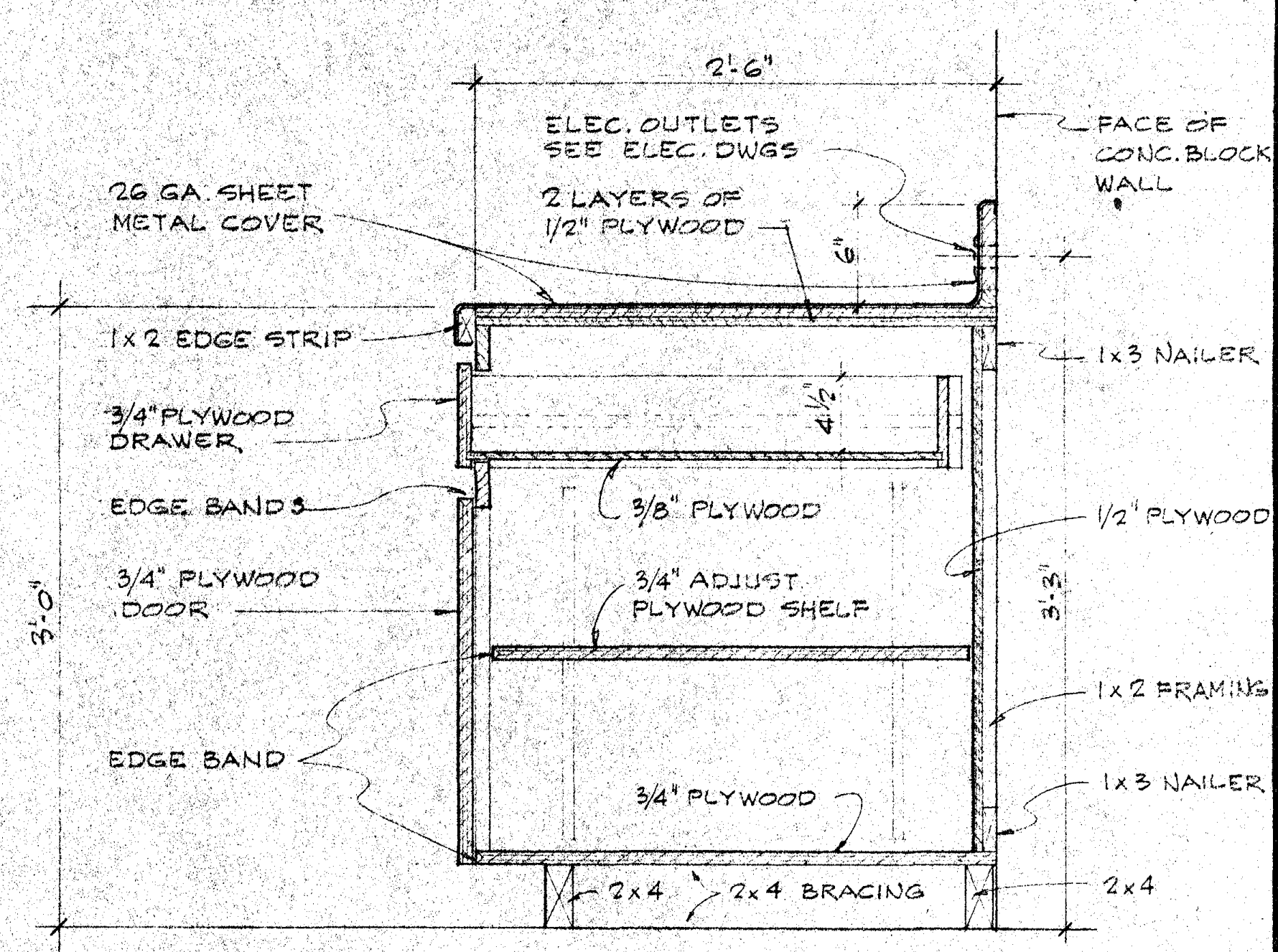
ROOF DRAIN DETAIL

SCALE 3/4"=1'-0" **E**



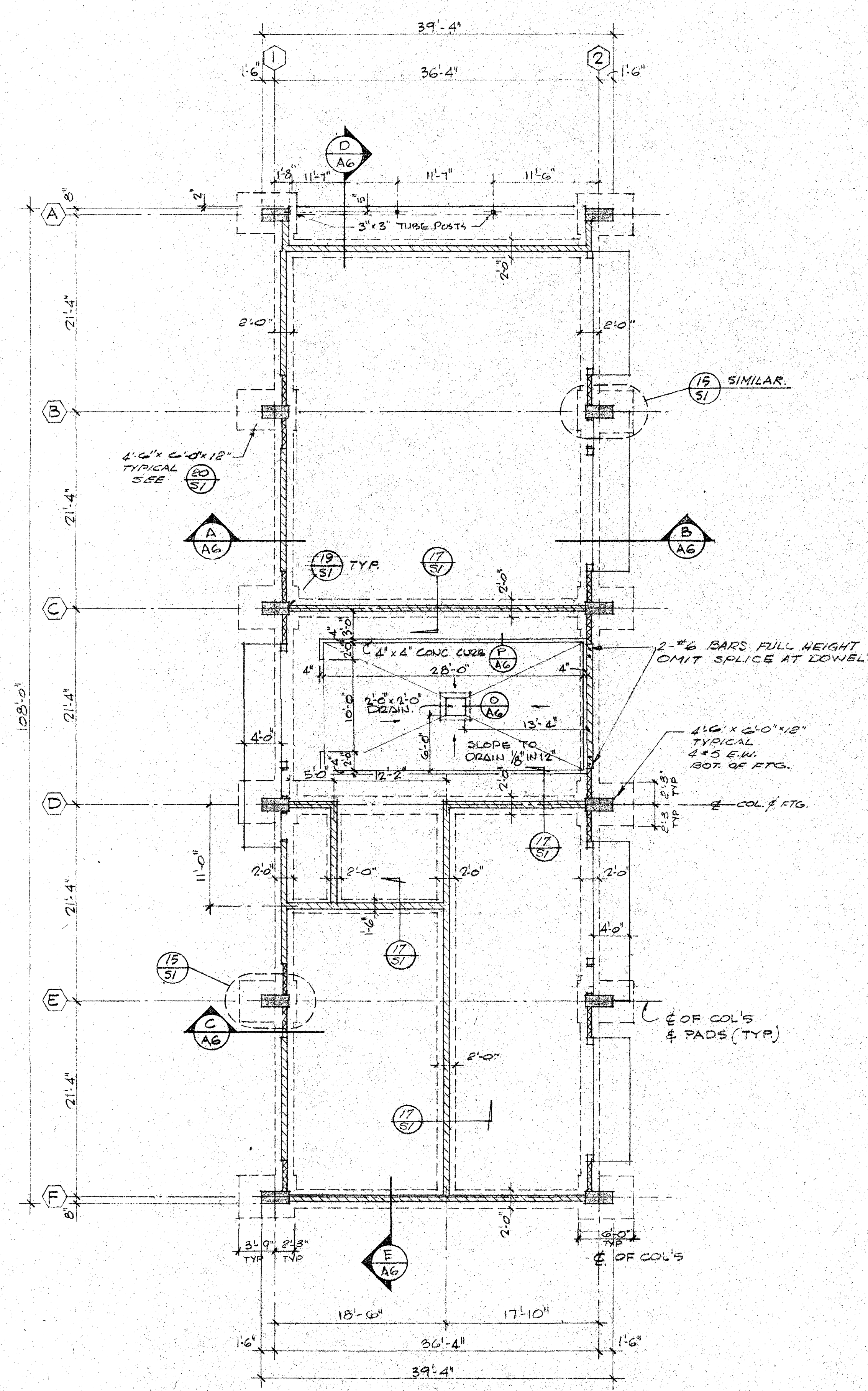
OVERFLOW DETAIL

SCALE 1/2"=1'-0" **F**



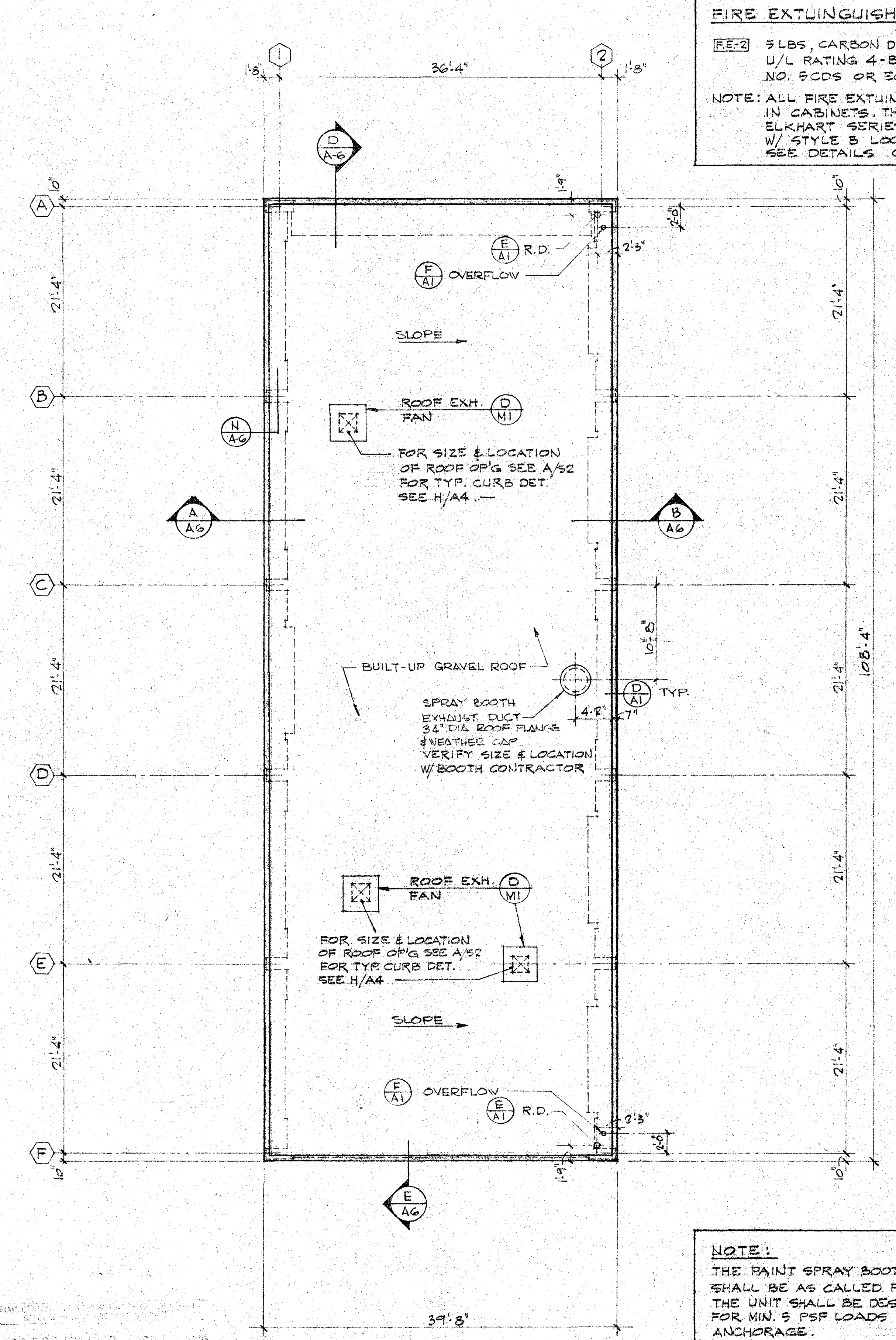
WORKBENCH

SCALE 1/2"=1'-0" **G**



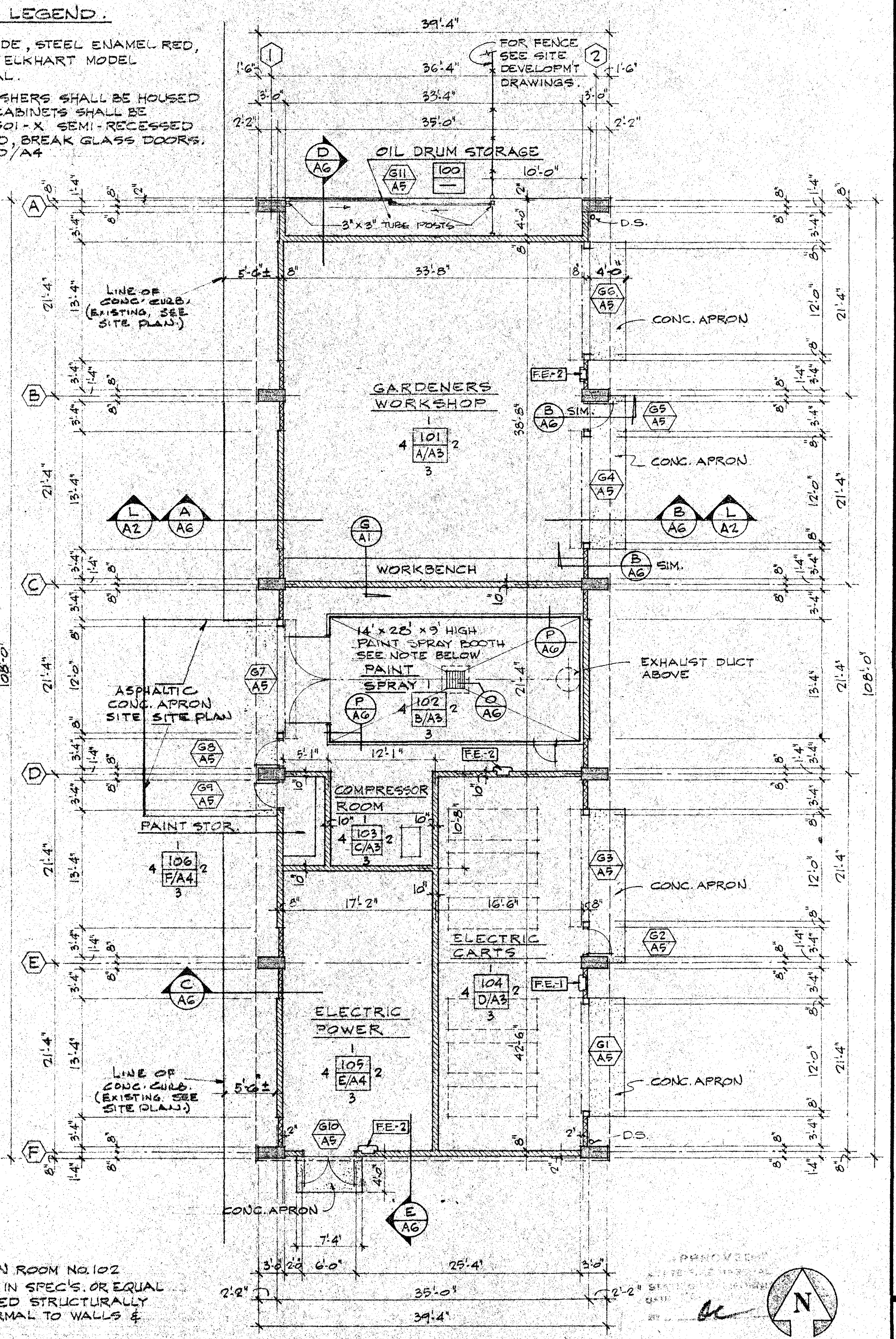
FOUNDATION PLAN

SCALE 1/8"=1'-0" **C**



ROOF PLAN

SCALE 1/8"=1'-0" **B**



GROUND FLOOR PLAN

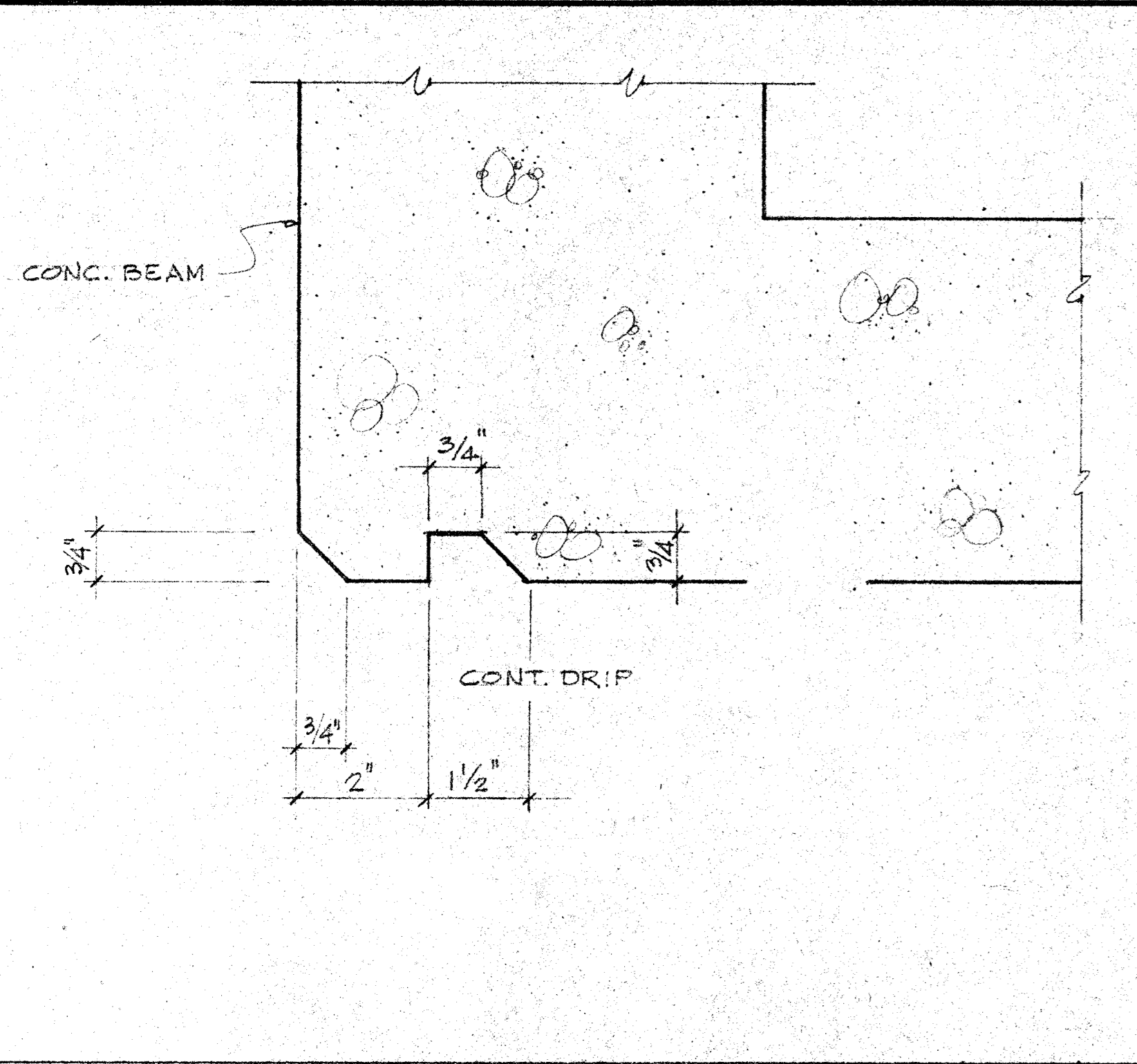
SCALE 1/8"=1'-0" **A**

**FIRE EXTINGUISHER LEGEND:**  
 FE-2 5 LBS. CARBON DIOXIDE, STEEL ENAMEL RED, U/L RATING 4-B-C. ELKHART MODEL NO. 5CDS OR EQUAL.  
 NOTE: ALL FIRE EXTINGUISHERS SHALL BE HOUSED IN CABINETS. THE CABINETS SHALL BE ELKHART SERIES 1501 X SEMI-RECESSED W/ STYLE B LOCKED BREAK GLASS DOORS. SEE DETAILS C & D/A4.

**NOTE:**  
 THE PAINT SPRAY BOOTH IN ROOM NO. 102 SHALL BE AS CALLED FOR IN SPEC'S. OR EQUAL. THE UNIT SHALL BE DESIGNED STRUCTURALLY FOR MIN. 5 PSF LOADS NORMAL TO WALLS & ANCHORAGE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS & CALCS FOR ARCHITECTS & ENGINEERS APPROVAL PRIOR TO INSTALLATION.

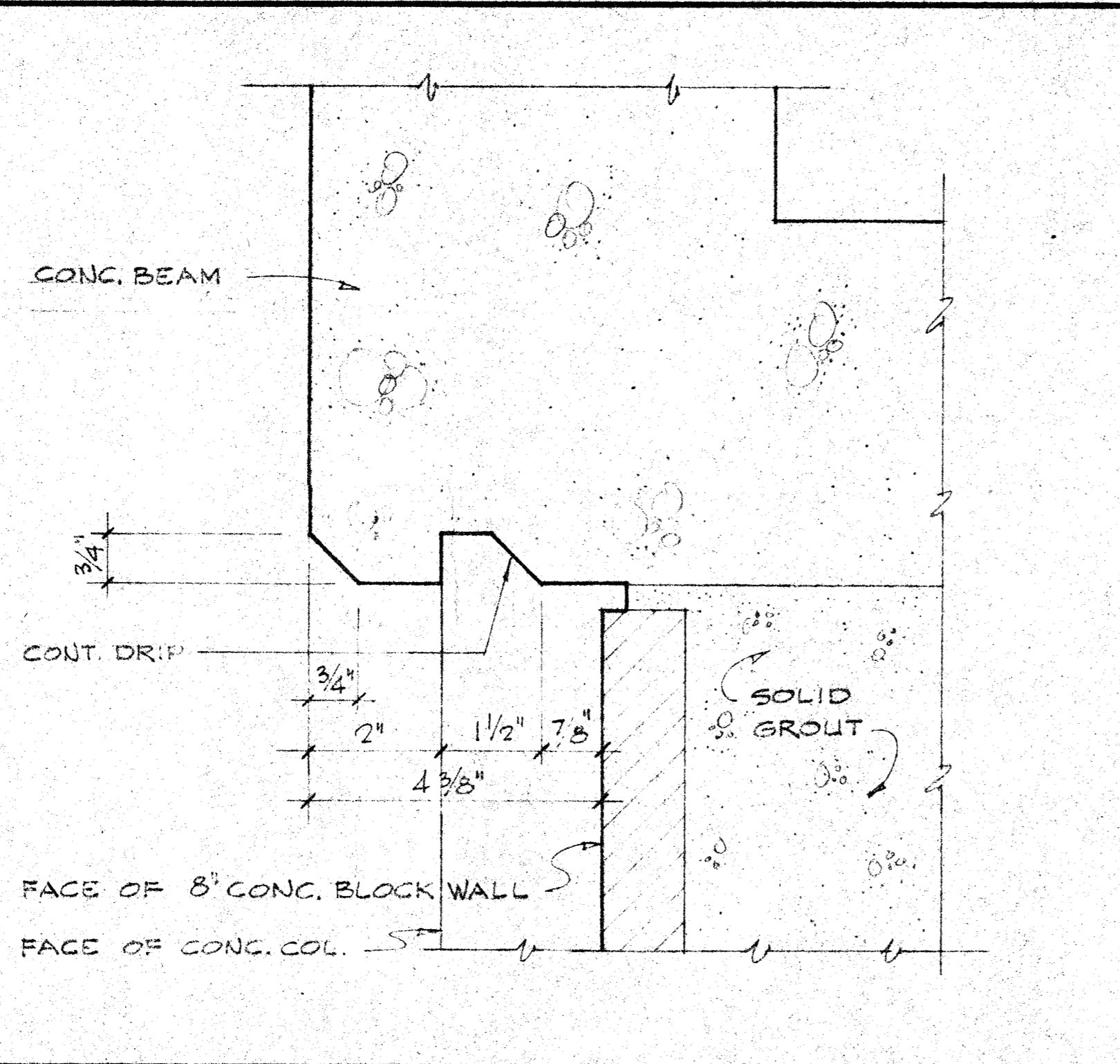
ARCHITECT: GRILLIAS • SAVAGE • ALVES  
 ENGINEER: GRILLIAS • SAVAGE • ALVES  
 CIVIL ENGINEER: GRILLIAS • SAVAGE • ALVES  
 PROJECT: SANTA ANA COLLEGE DISTRICT JUNIOR COLLEGE  
 ADDRESS: 1530 WEST SEVENTEENTH STREET, SANTA ANA, CALIFORNIA  
 SHEET: GROUND FLOOR & ROOF PLAN  
 SHEET NUMBER: AI  
 DATE: 2-6-70  
 SCALE: 1/8"=1'-0"





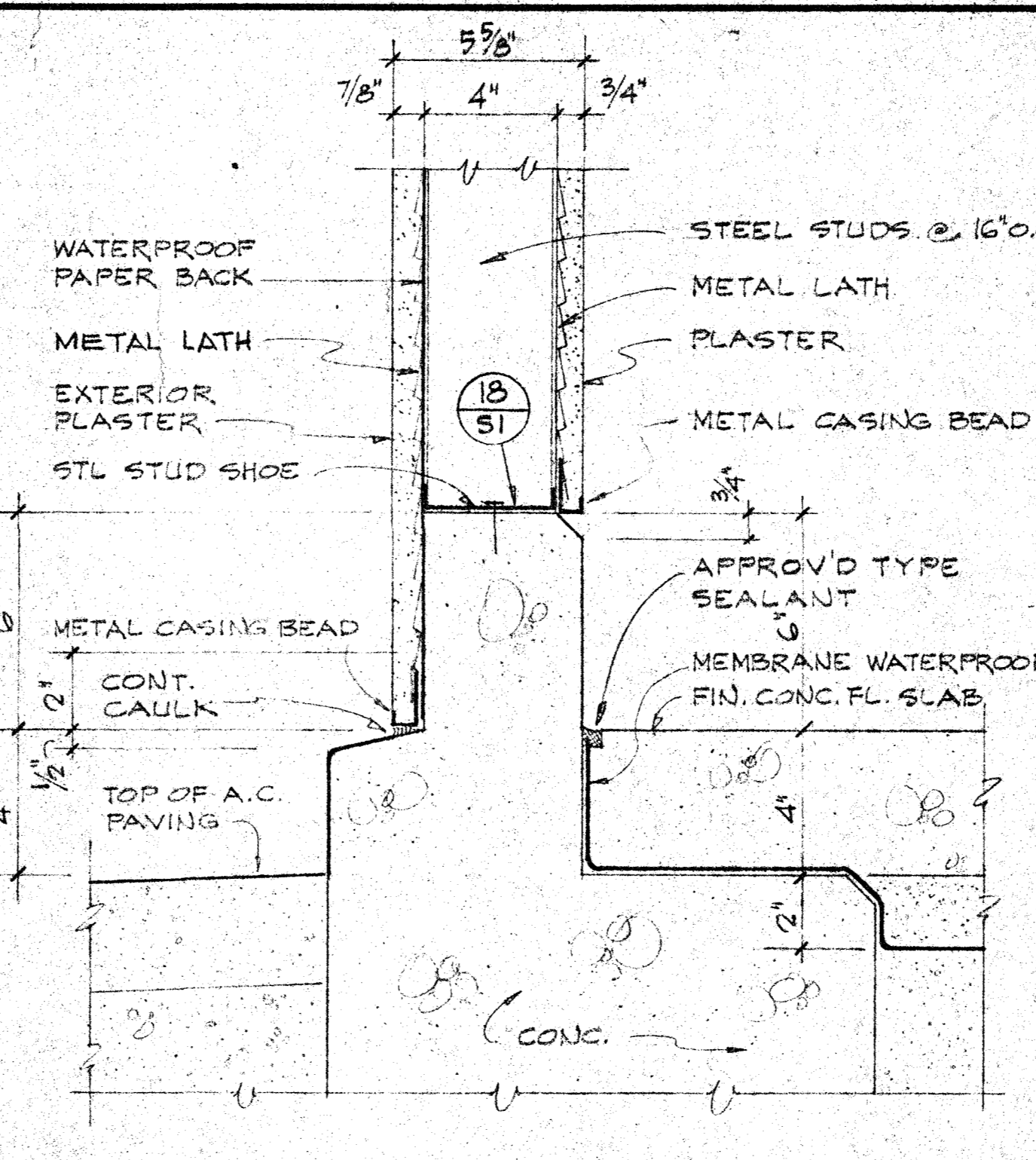
TYP. DRIP DETAIL

SCALE 1/2" = 1'-0"



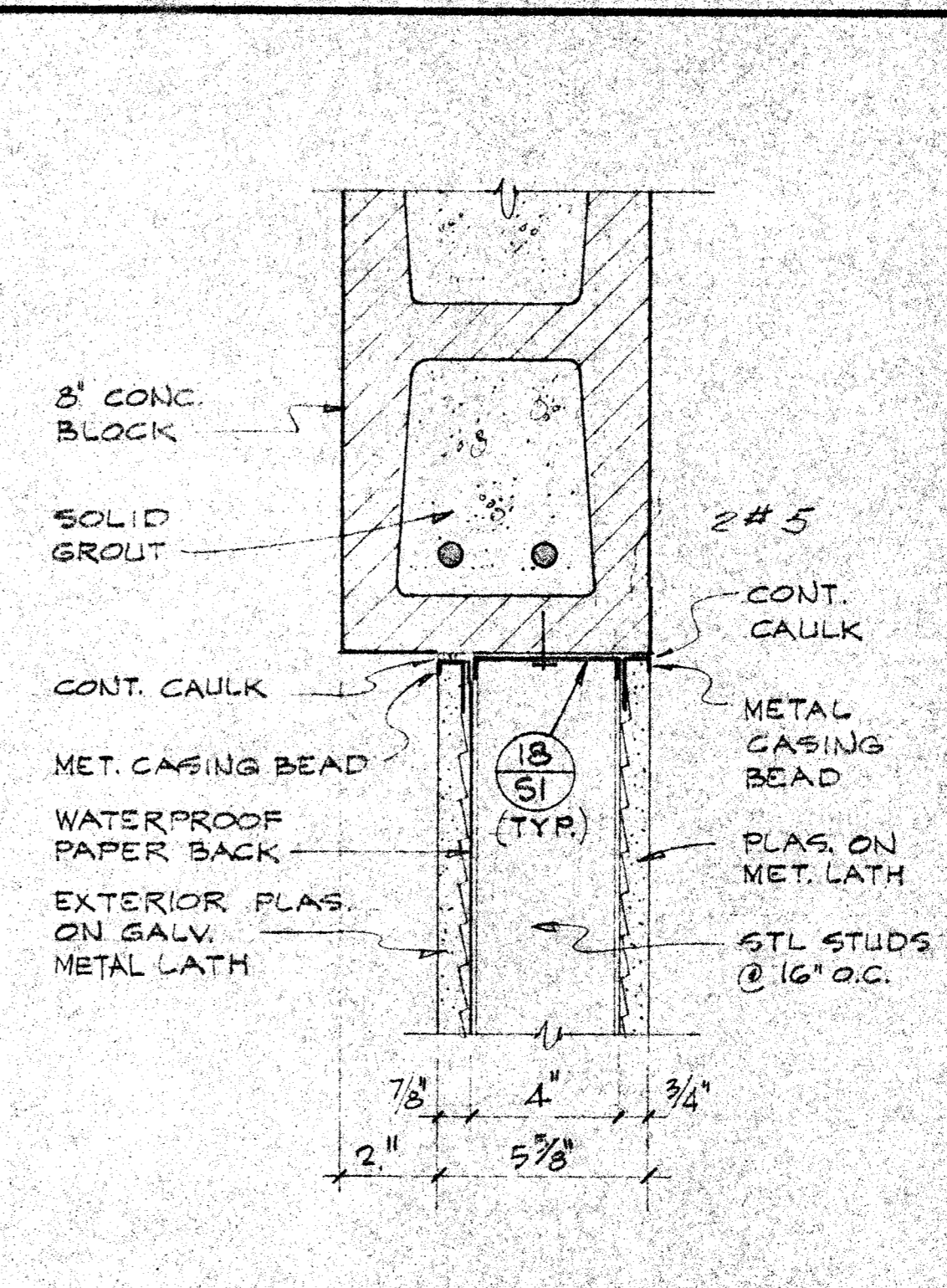
DRIP DETAIL

SCALE 1/2" = 1'-0"



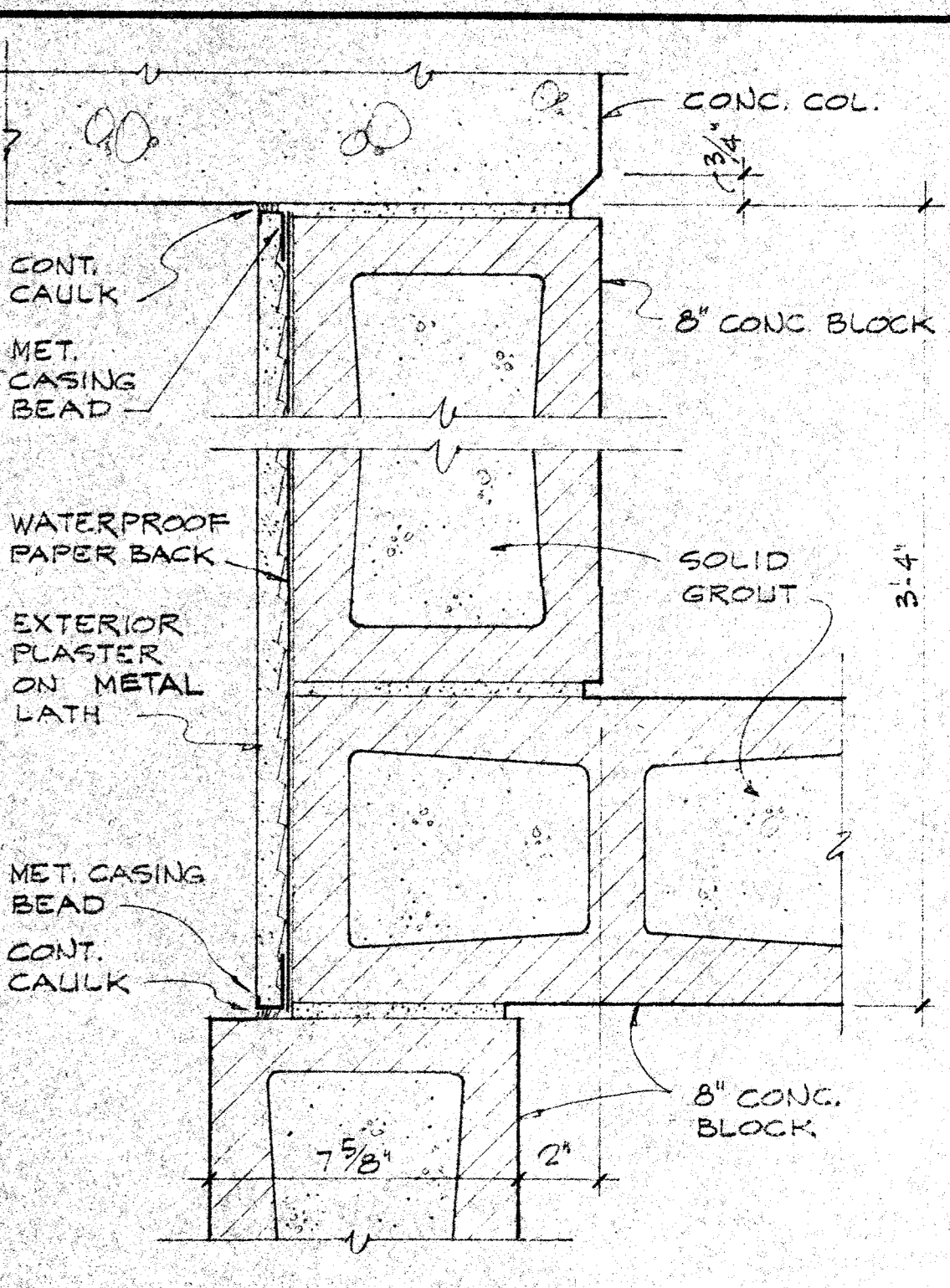
BASE DETAIL

SCALE 3/4" = 1'-0"



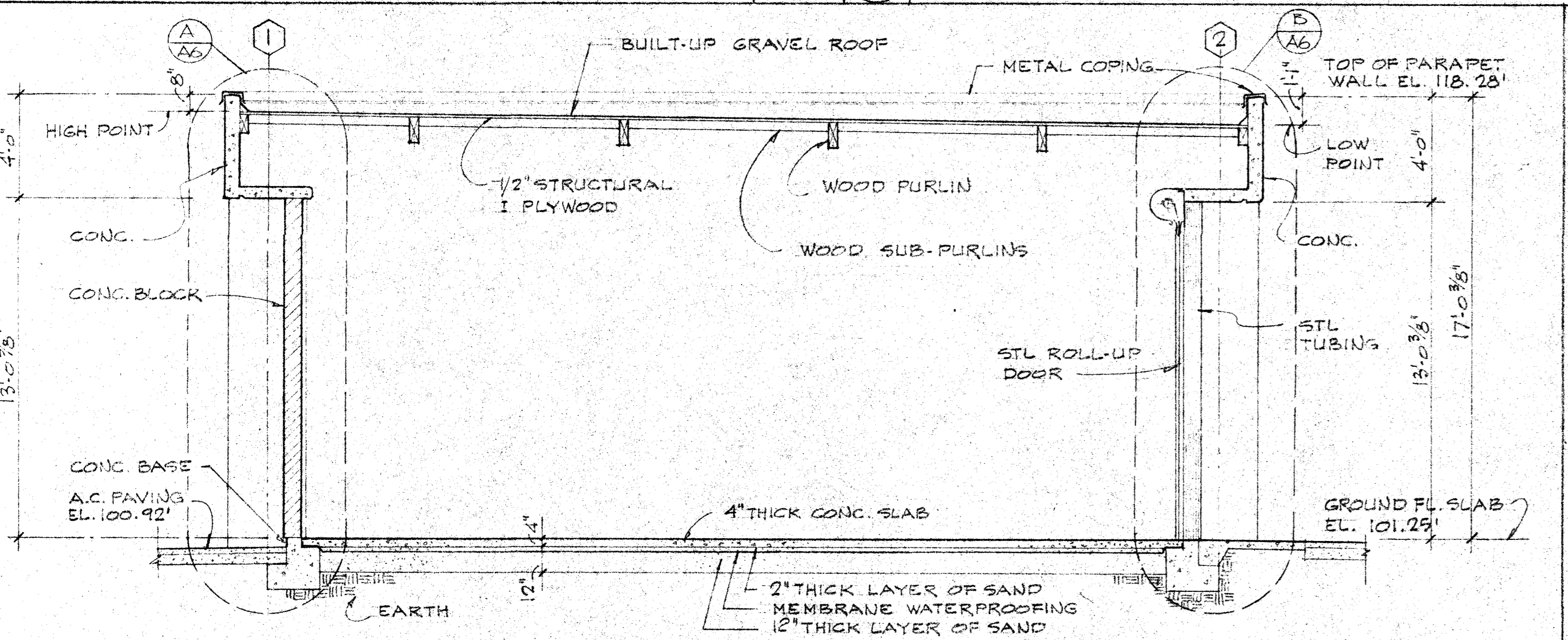
WALL DETAIL

SCALE 3/4" = 1'-0"



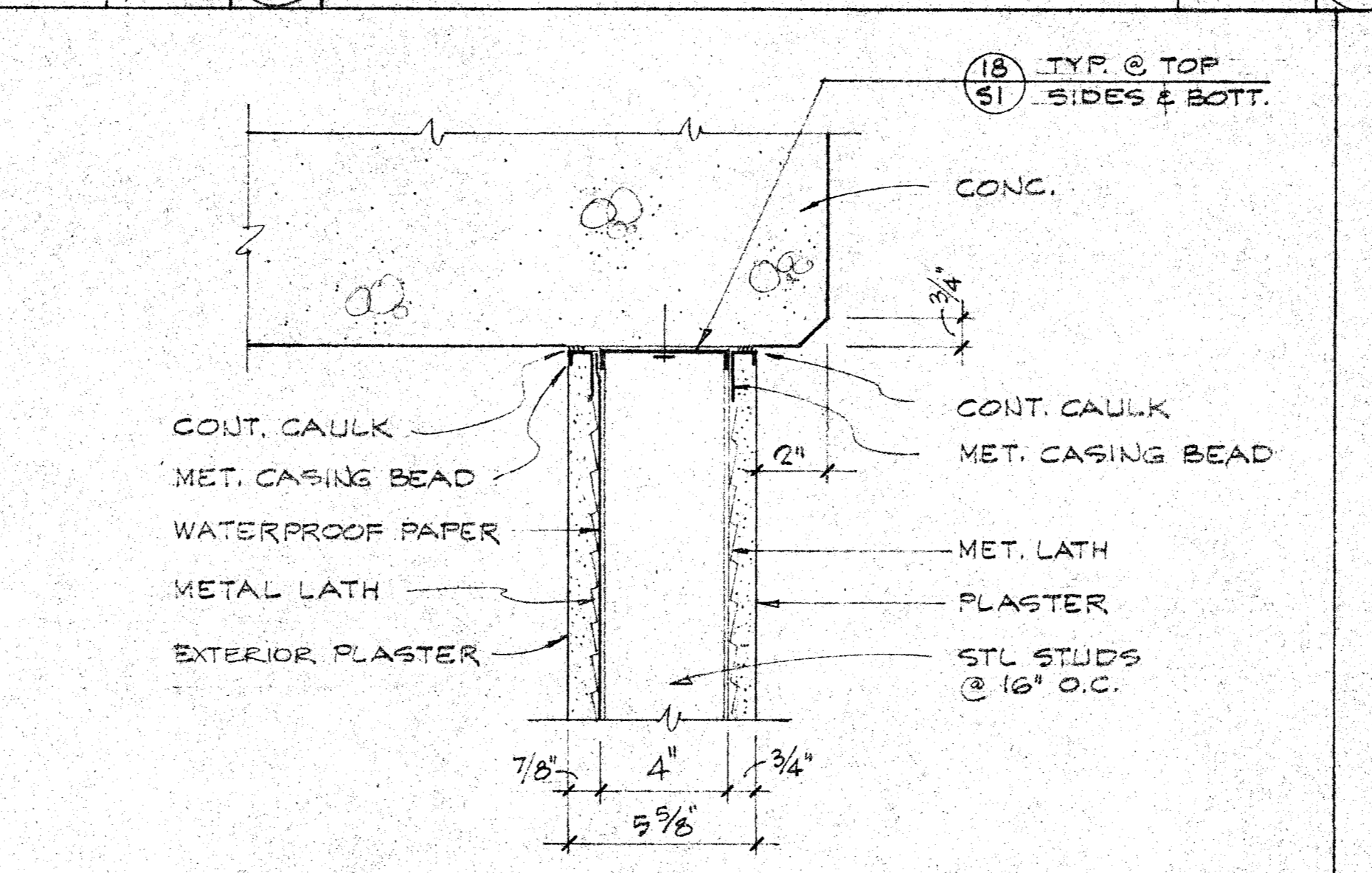
WALL DETAIL

SCALE 3/4" = 1'-0"



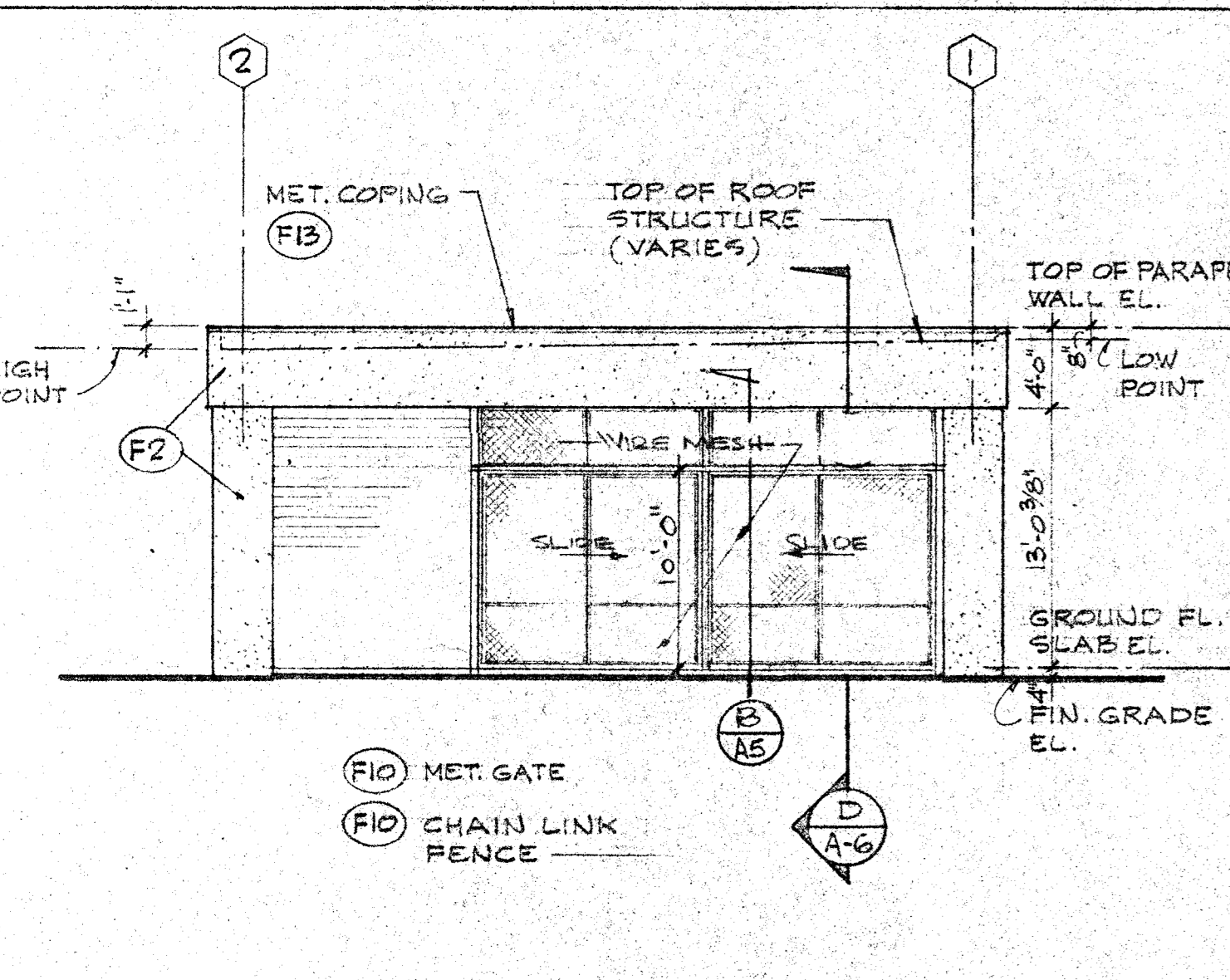
TRANSVERSE SECTION

SCALE 1/4" = 1'-0"



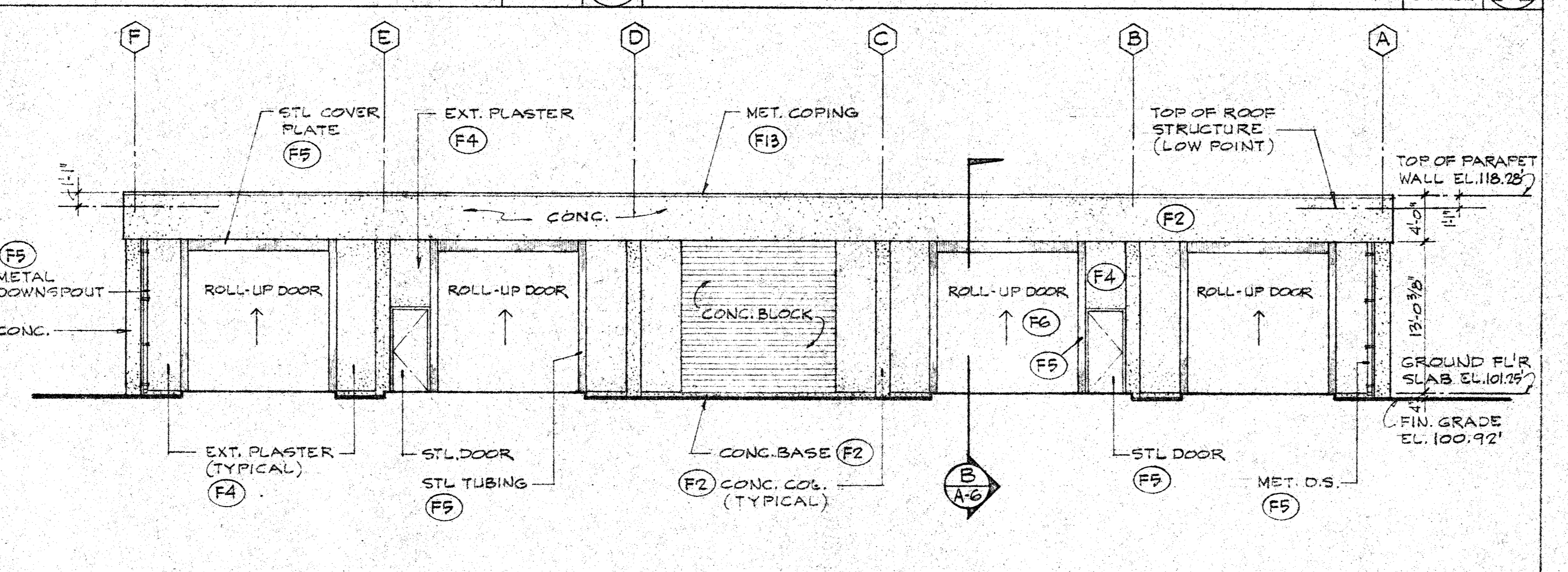
WALL DETAIL

SCALE 3/4" = 1'-0"



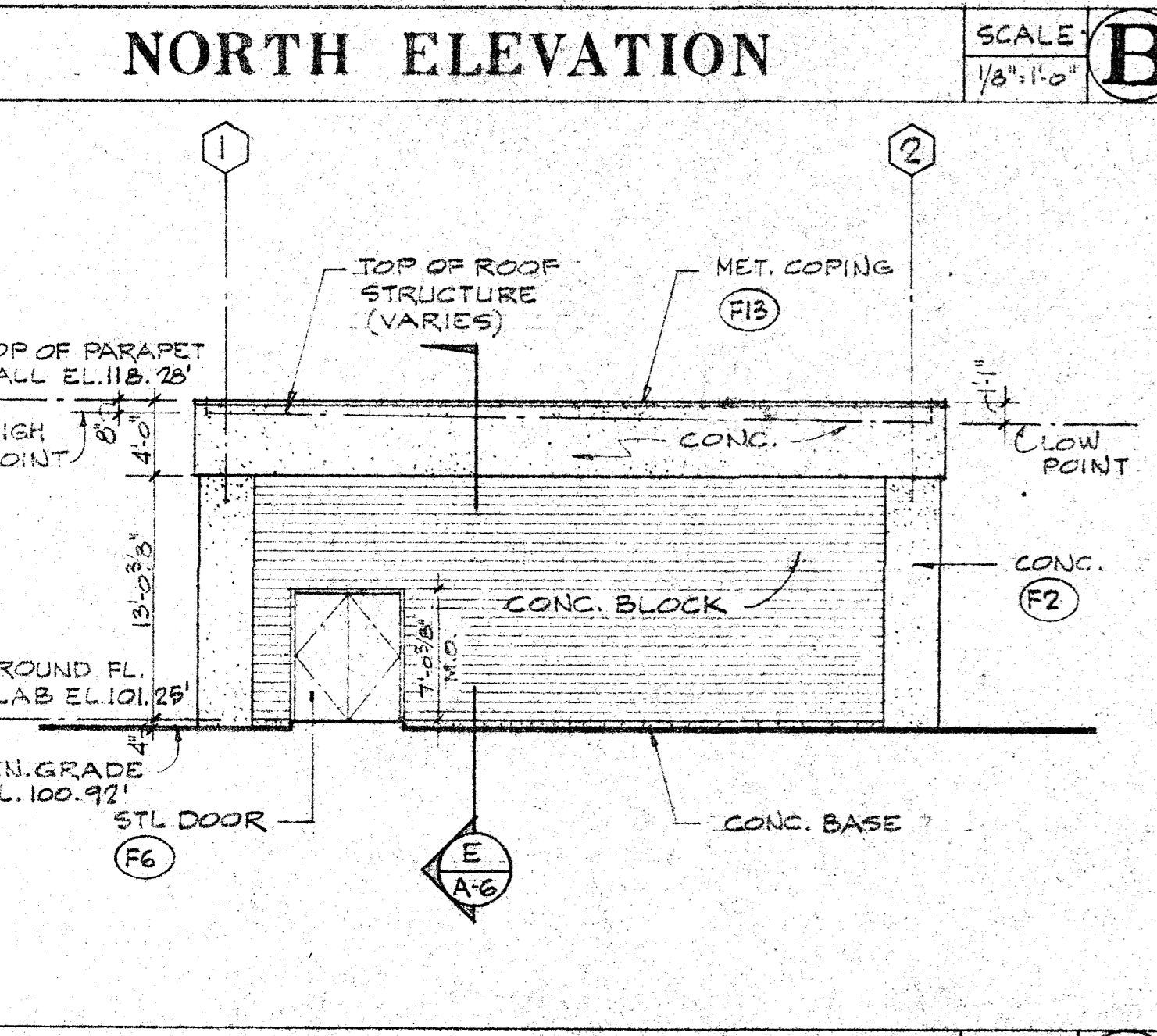
NORTH ELEVATION

SCALE 1/8" = 1'-0"



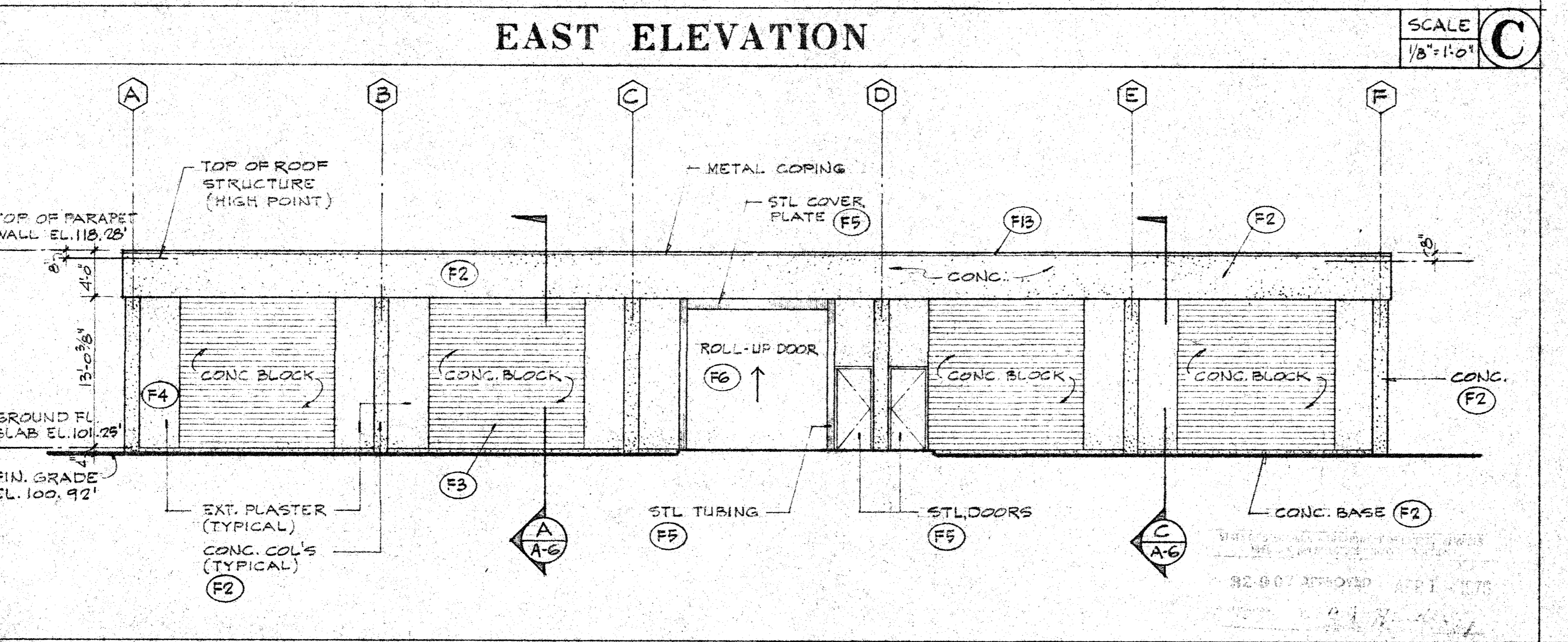
EAST ELEVATION

SCALE 1/8" = 1'-0"



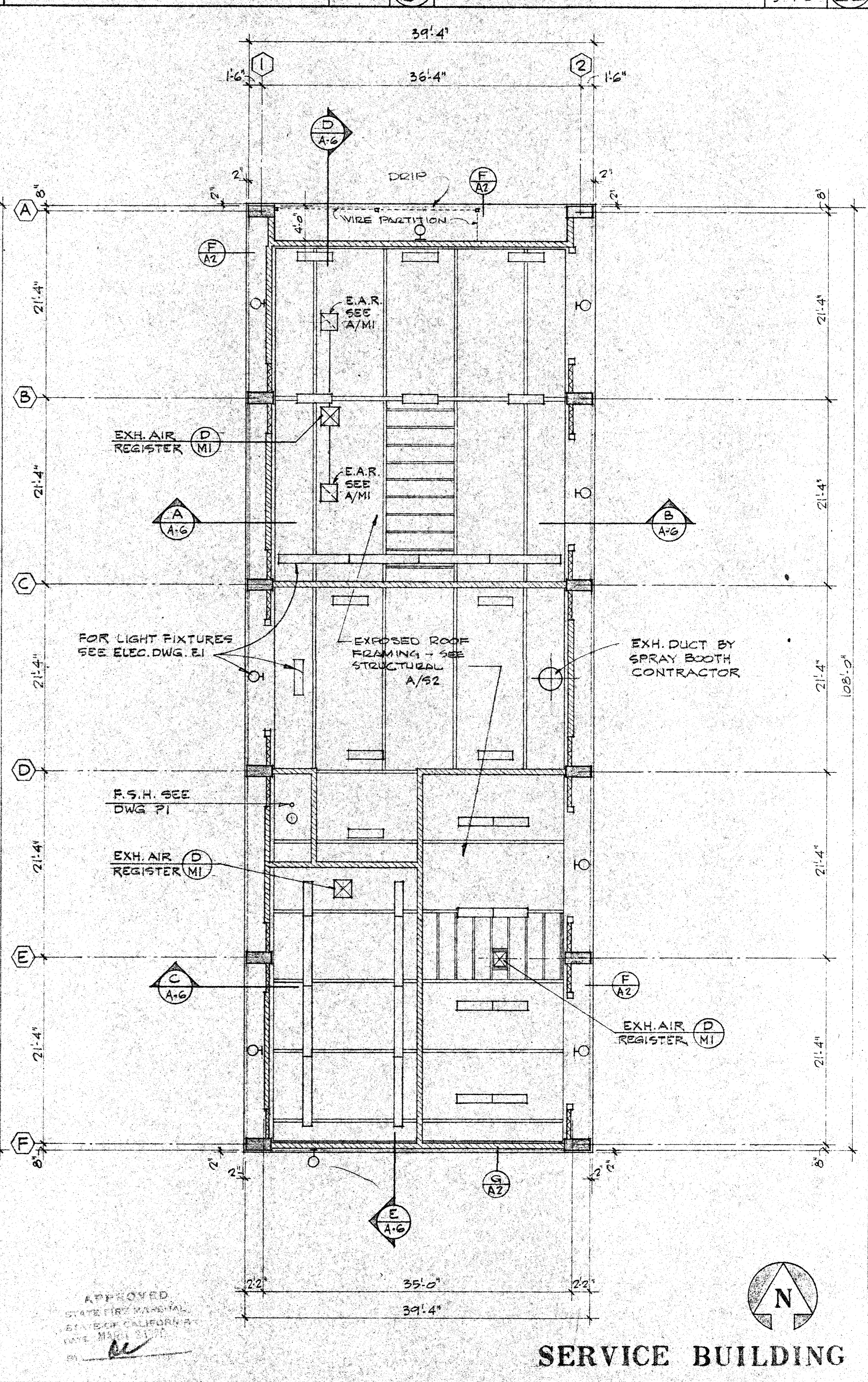
SOUTH ELEVATION

SCALE 1/8" = 1'-0"



WEST ELEVATION

SCALE 1/8" = 1'-0"



REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"

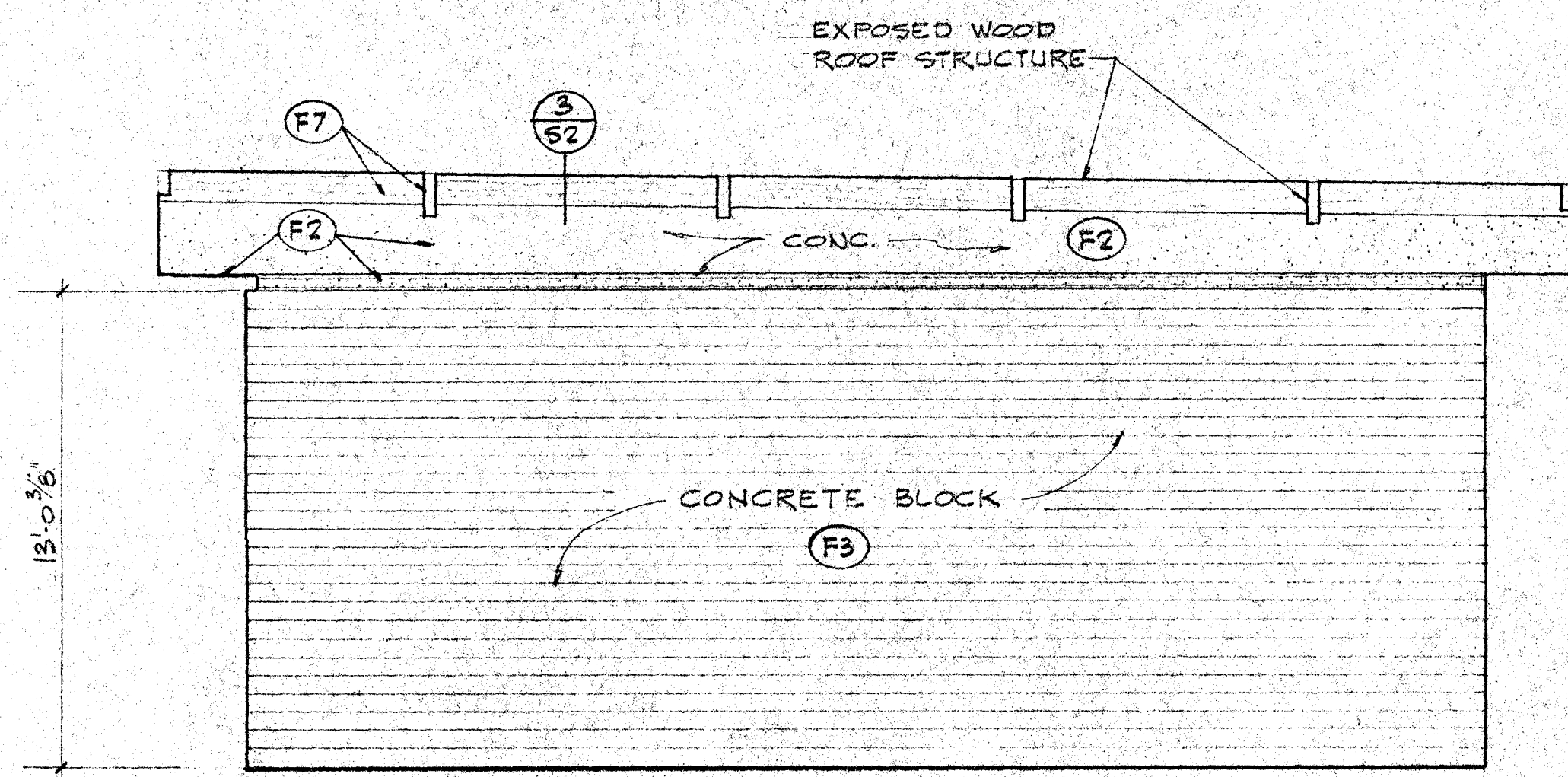
ARCHITECT: GRILLIAS • SAVAGE • ALVES  
 OWNED BY: SANTA ANA COLLEGE DISTRICT  
 STR. ENGINEER: JEFFREY L. ALVES  
 CIVIL ENGINEER: JEFFREY L. ALVES  
 SANTA ANA, CALIFORNIA  
 1530 WEST SEVENTEENTH STREET

1. STATE APPROVAL JF  
 NO. DATE ISSUED FOR  
 BY CK. NO. DATE ISSUED FOR

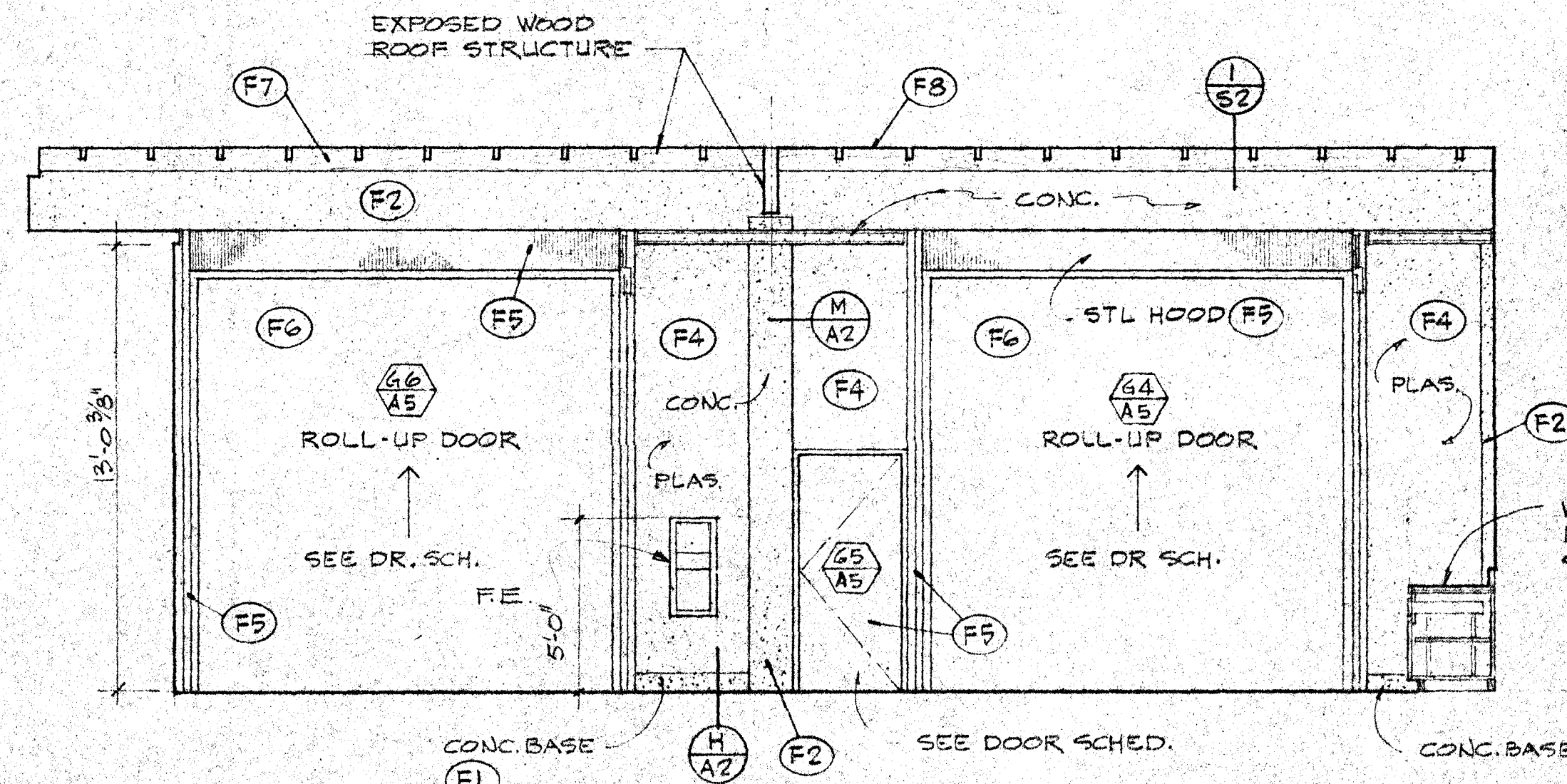
SANTA ANA COLLEGE DISTRICT  
 JUNIOR COLLEGE DISTRICT  
 SANTA ANA, CALIFORNIA

GRILLIAS • SAVAGE • ALVES  
 architecture engineering  
 508 north main street, santa ana  
 92701-2311

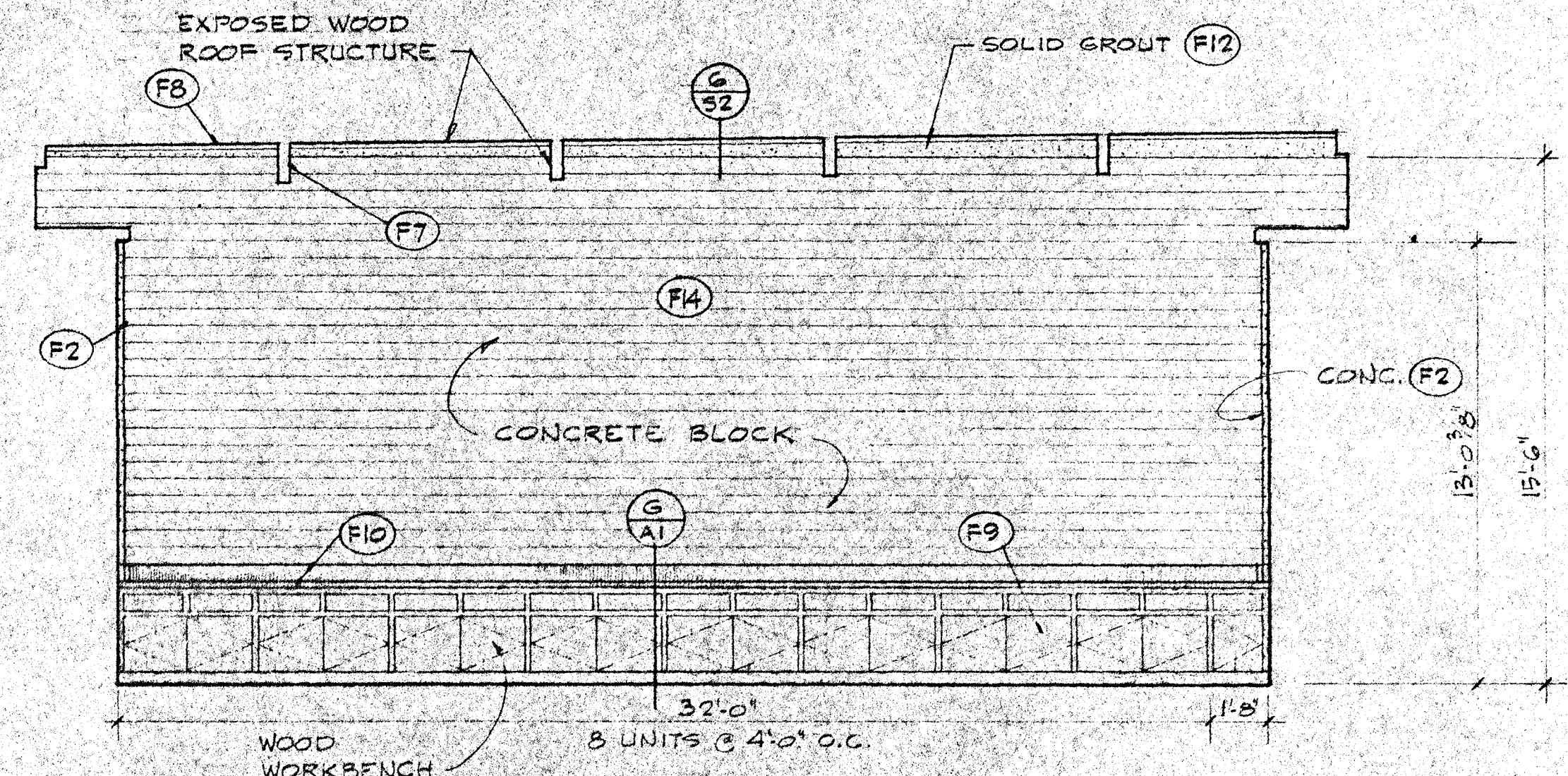
REFLECTED CEILING PLAN & EXTERIOR ELEVATIONS  
 SERVICE BUILDING  
 A2  
 SHEET NUMBER  
 DATE 5-10-70



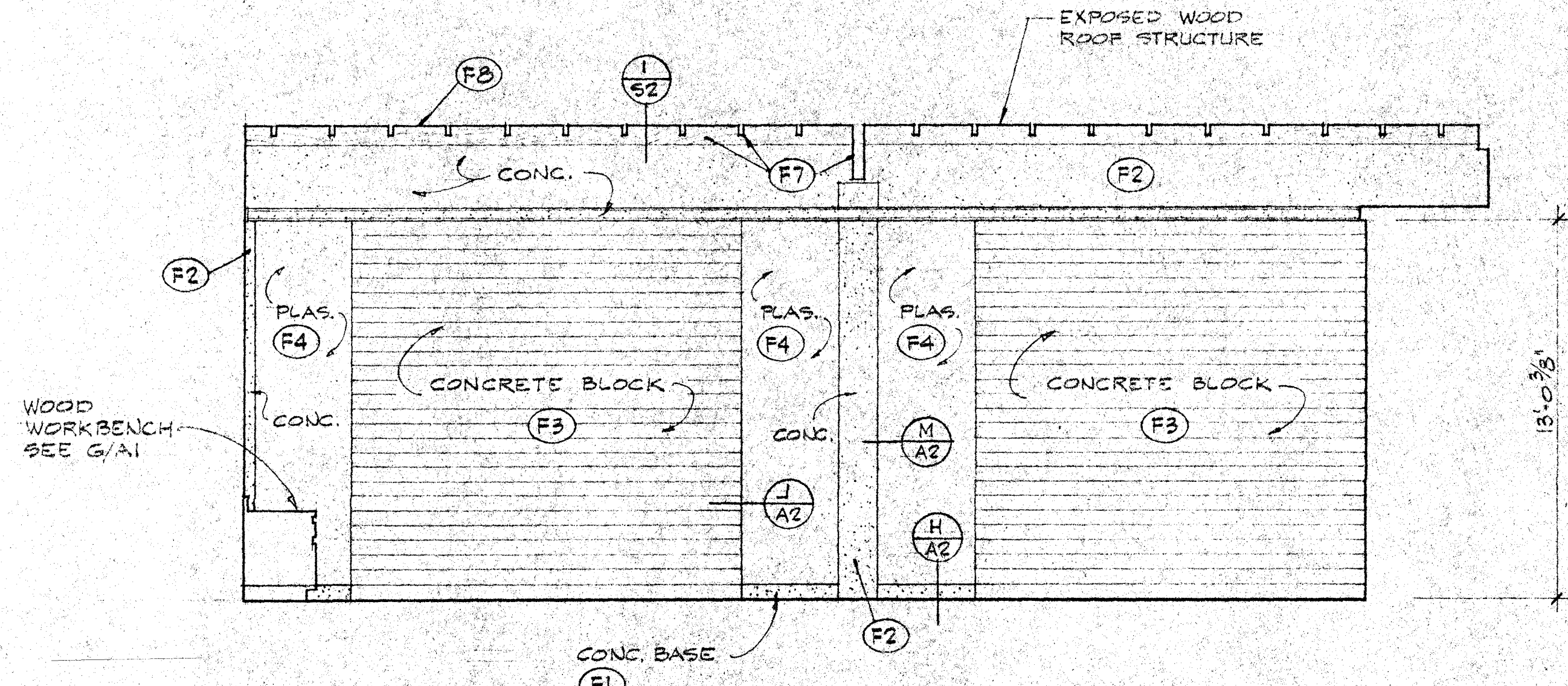
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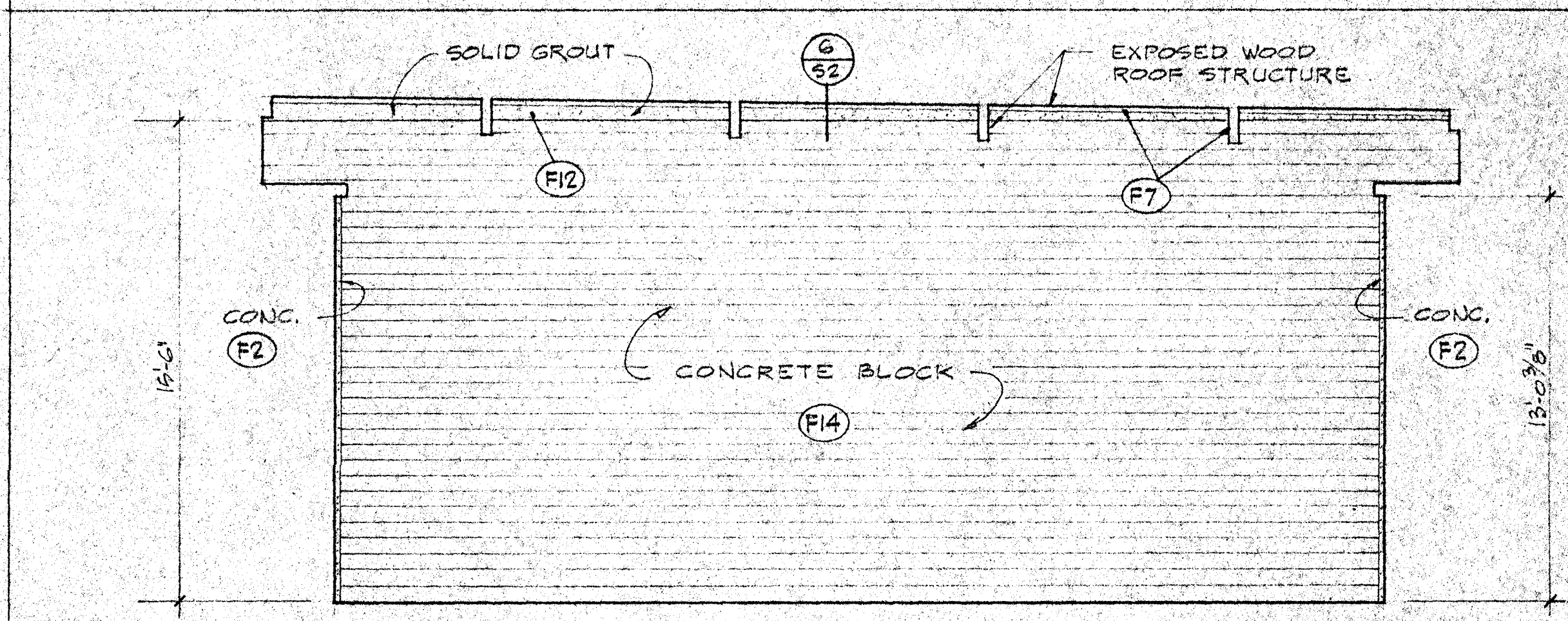
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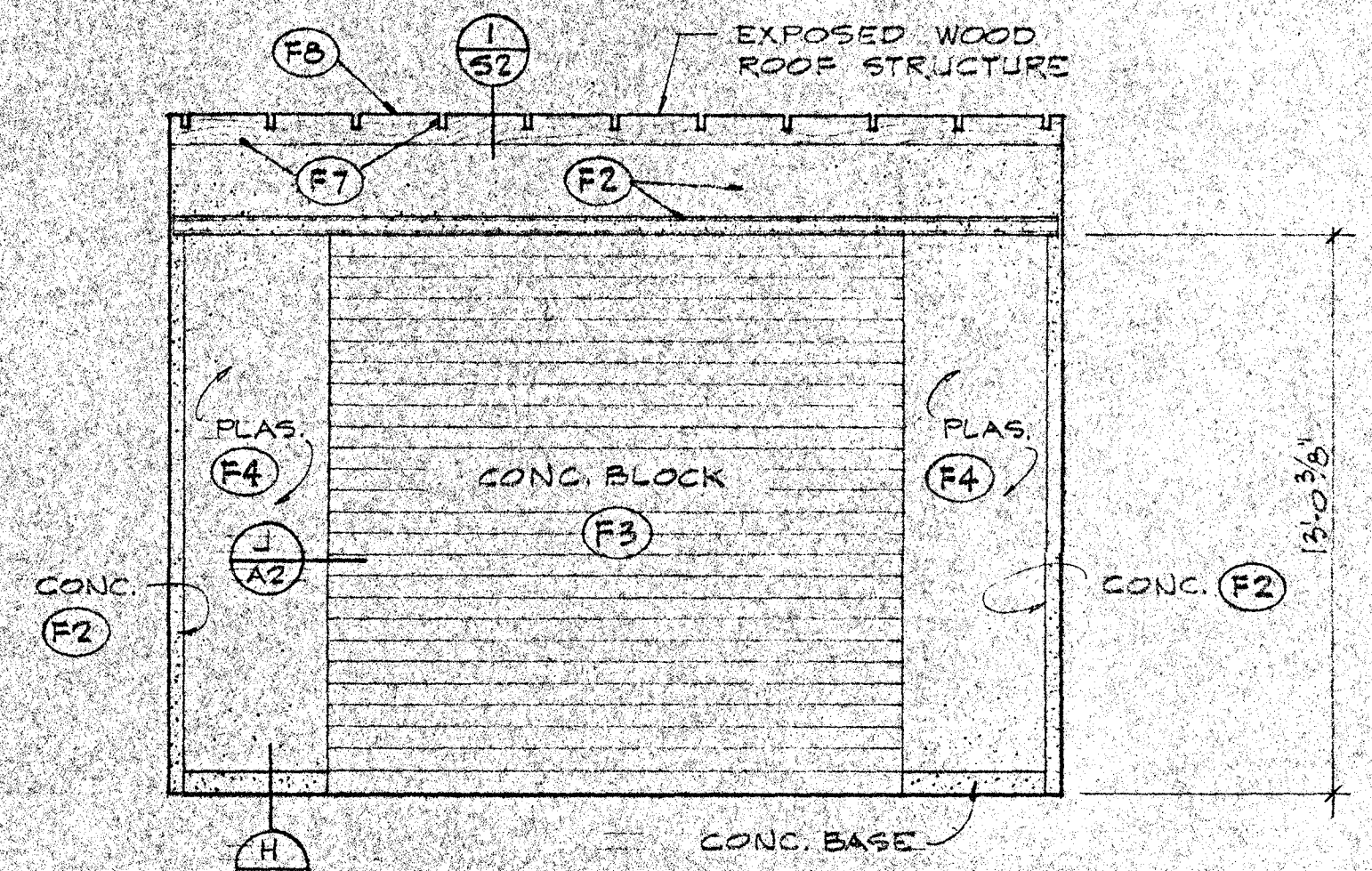
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4



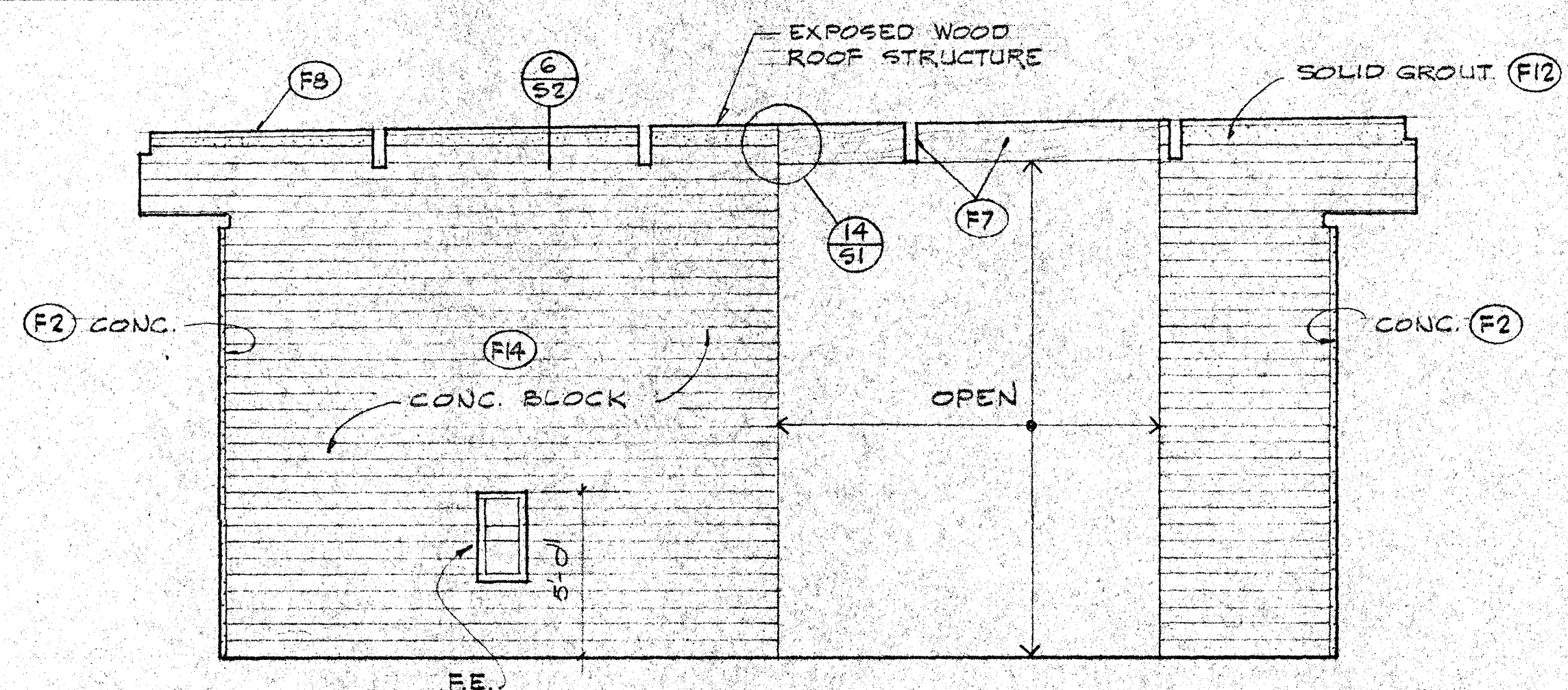
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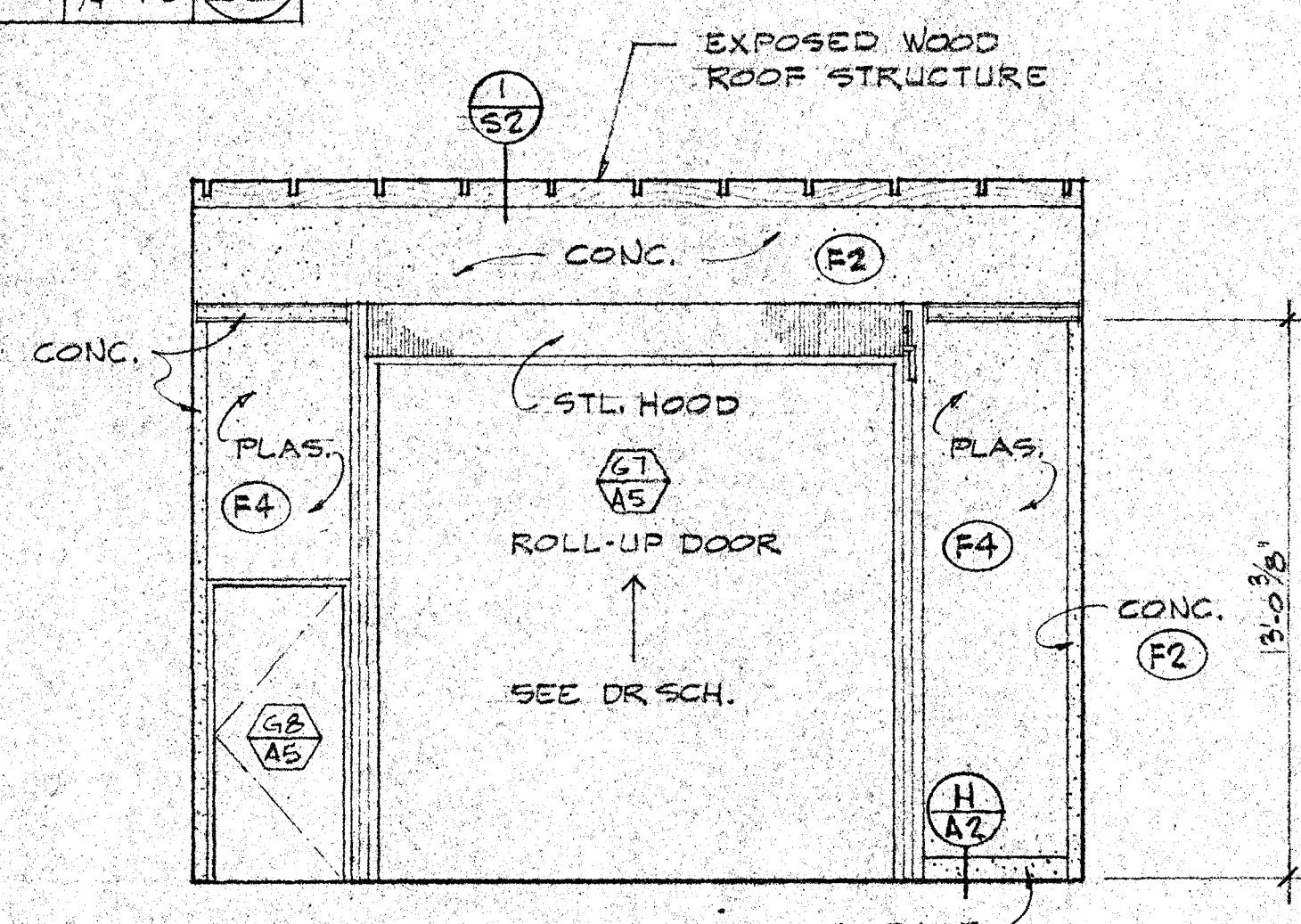
2

**GARDENERS WORKSHOP 101**

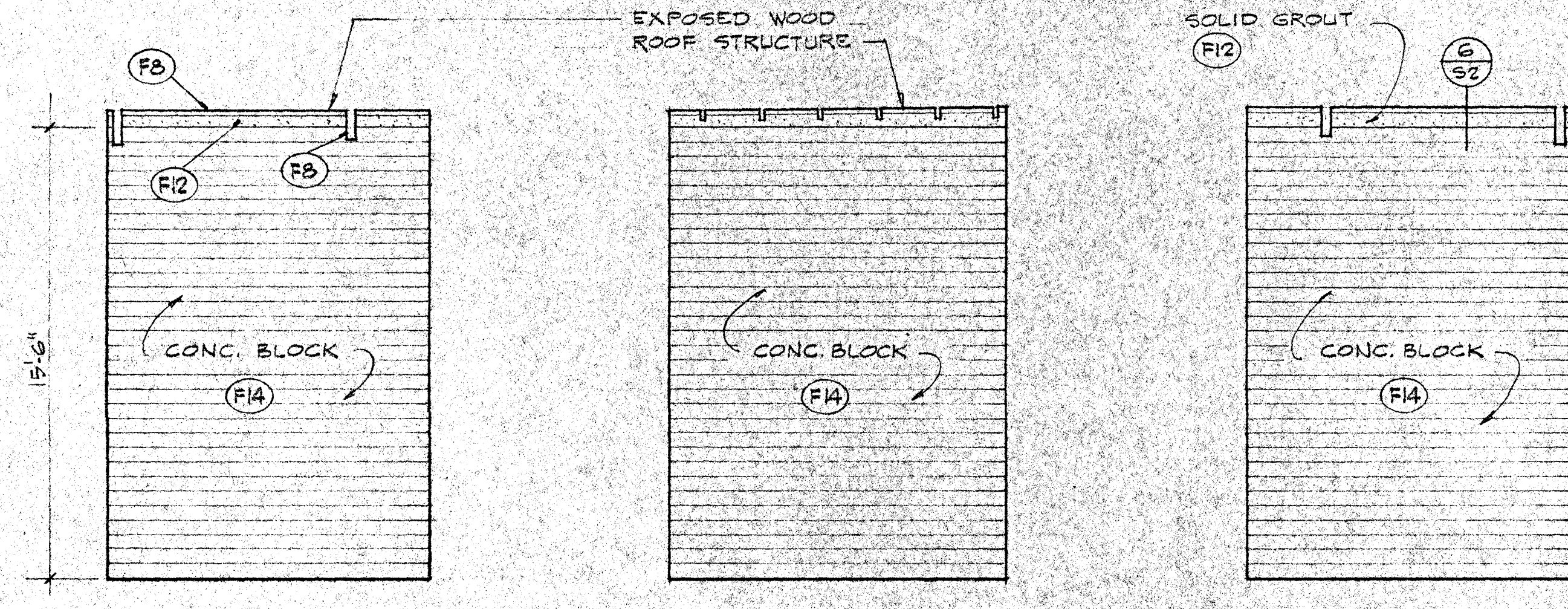
SCALE 1/4" = 1'-0" **A**



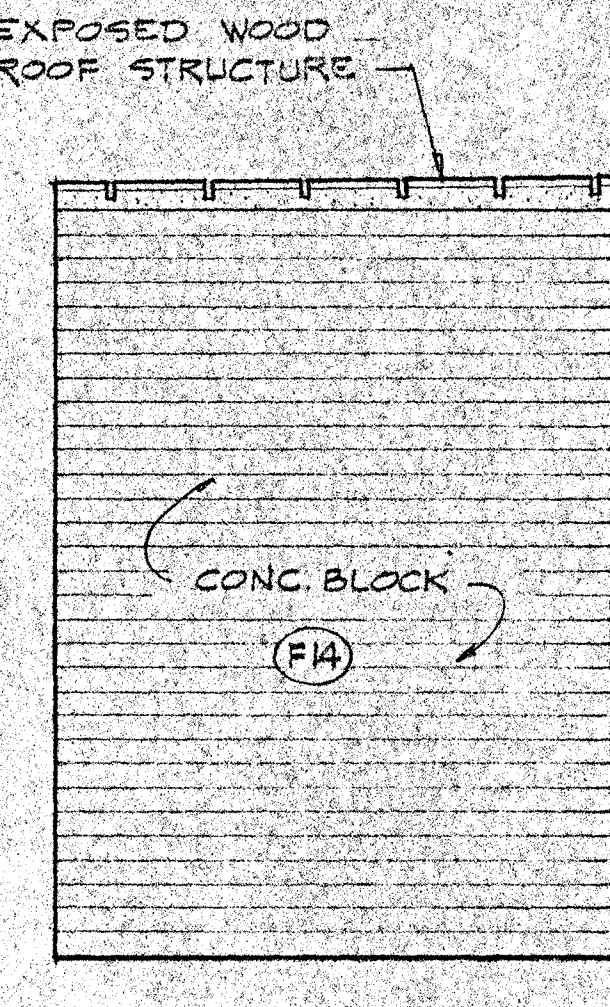
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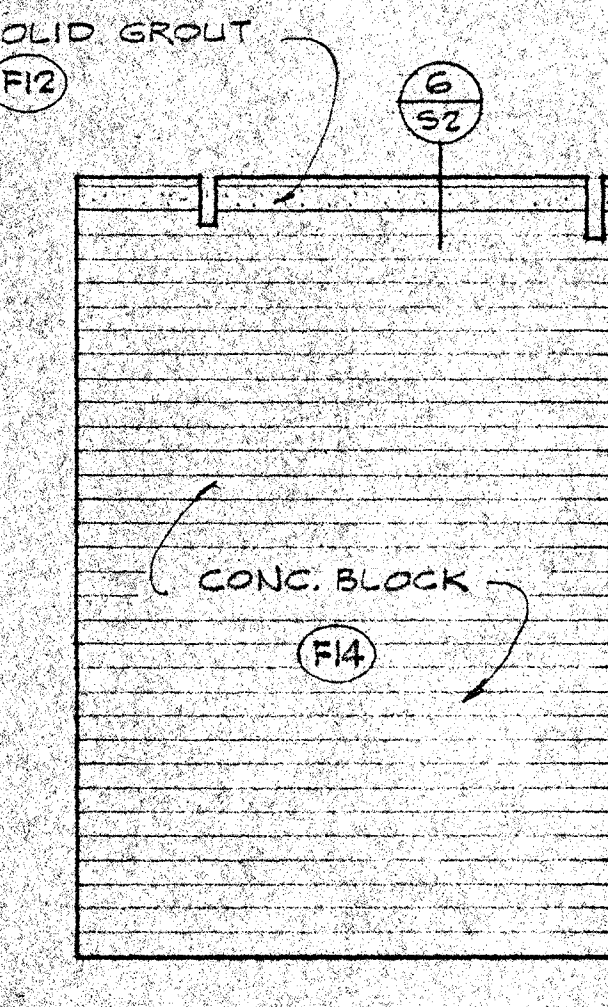
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1



2



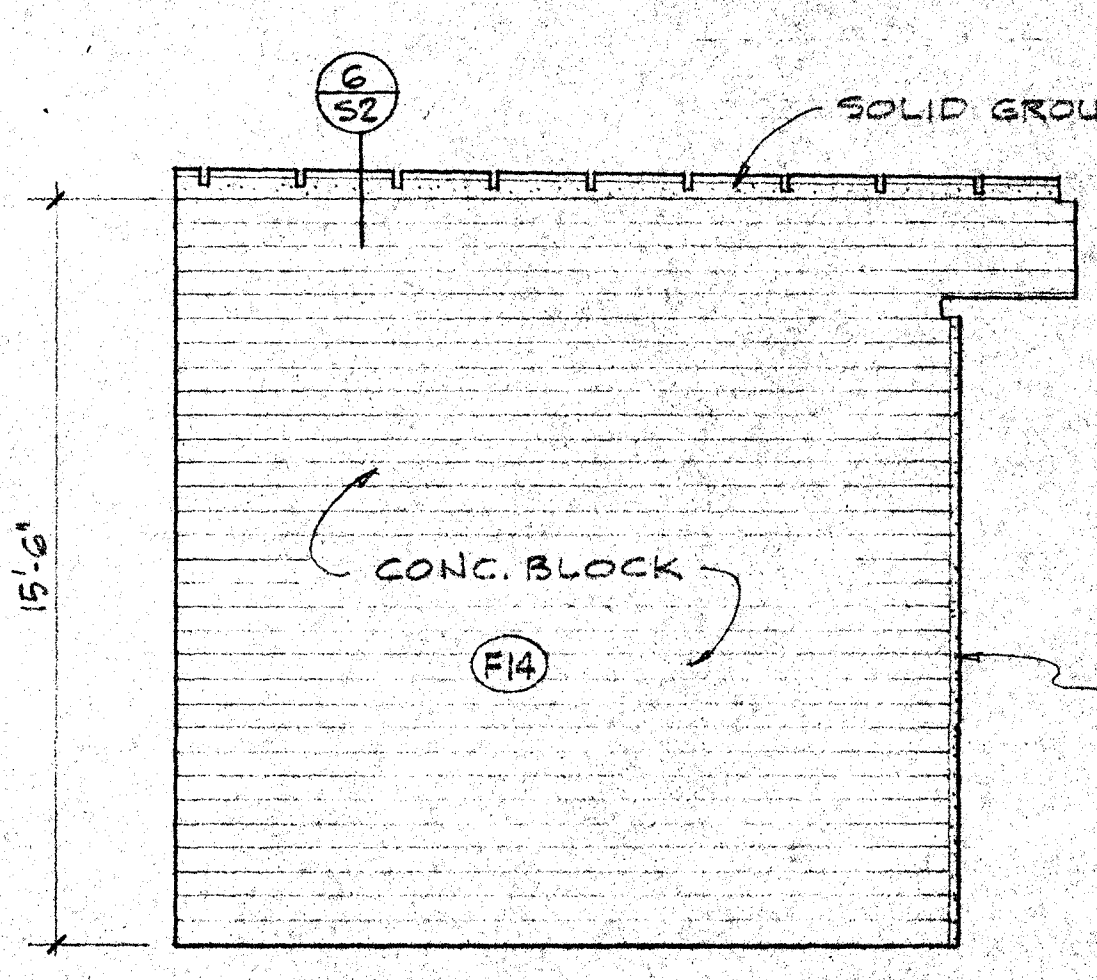
3

**PAINT SPRAY 102**

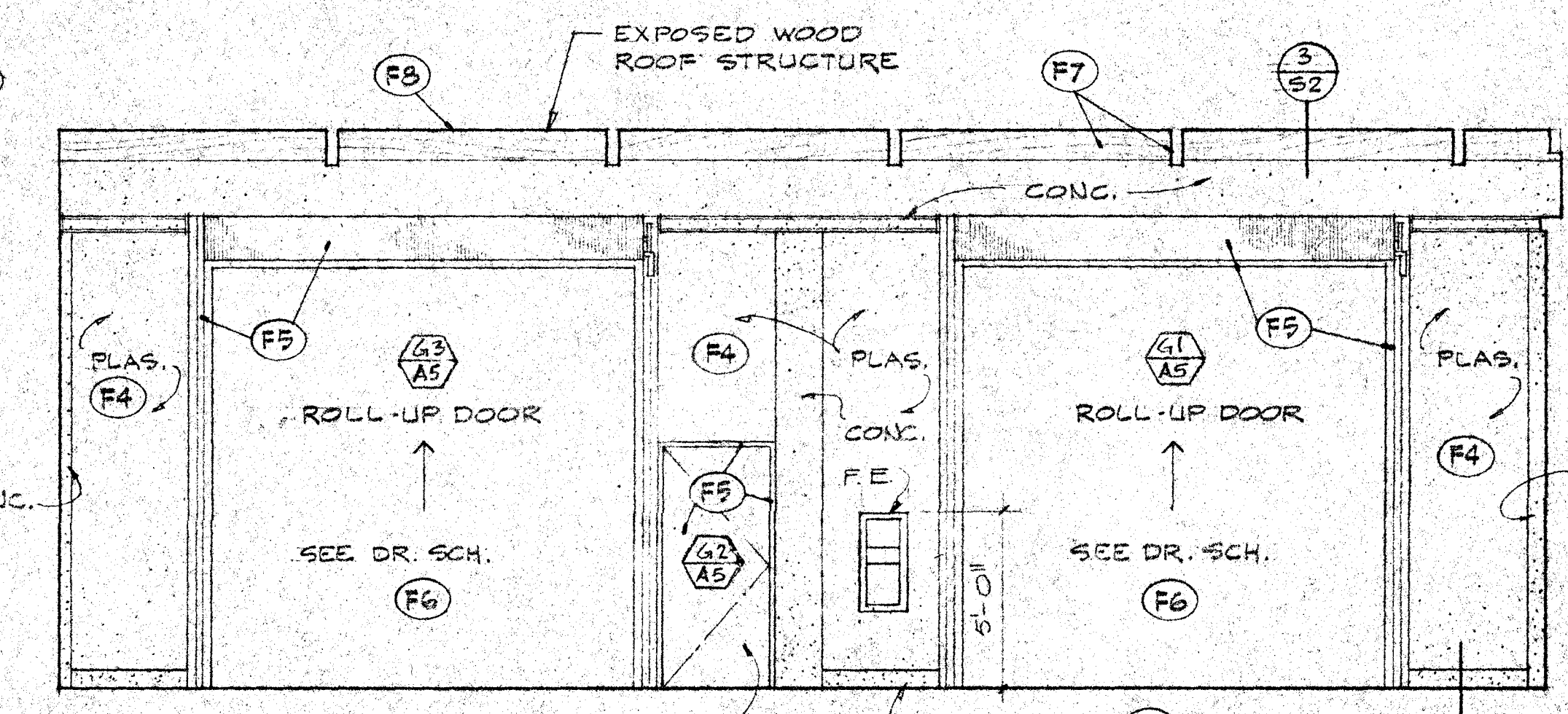
SCALE 1/4" = 1'-0" **B**

**COMPRESSOR ROOM 103**

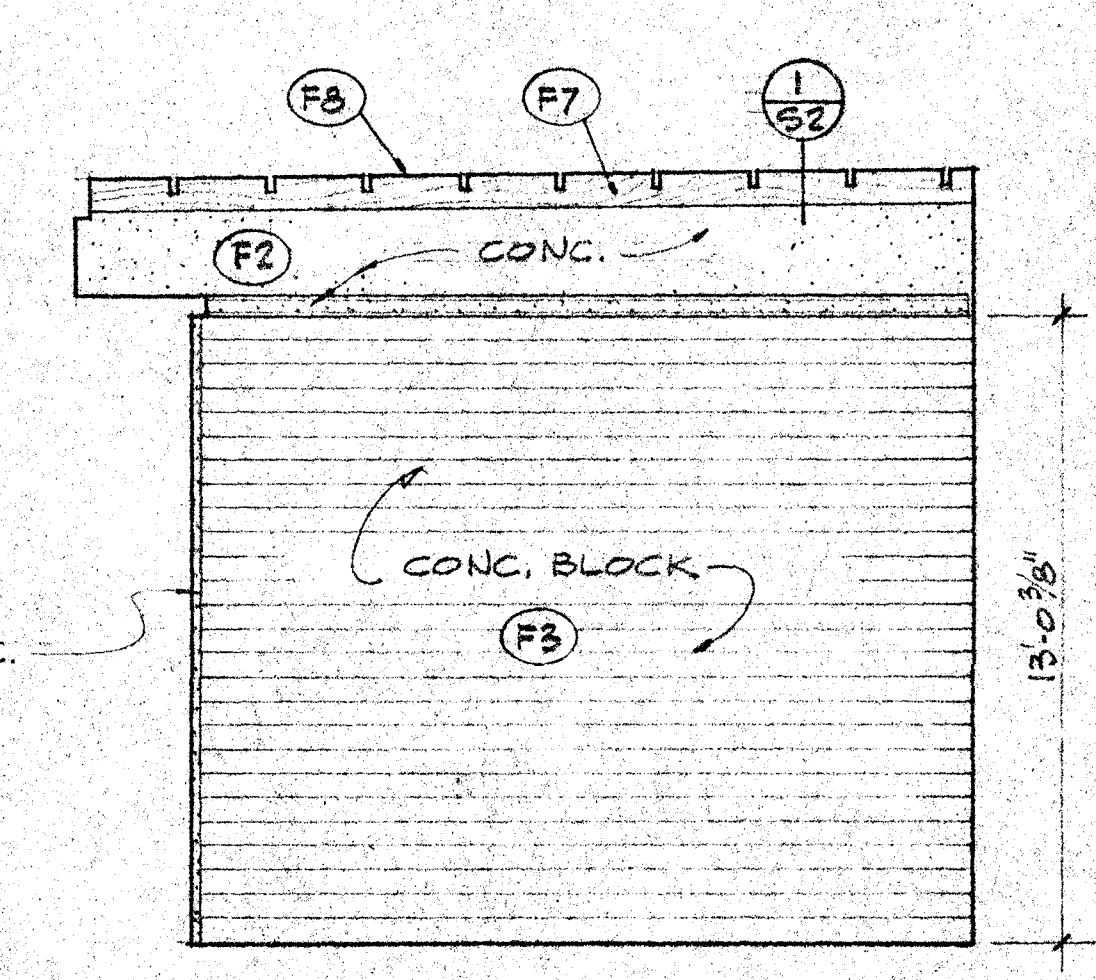
SCALE 1/4" = 1'-0" **C**



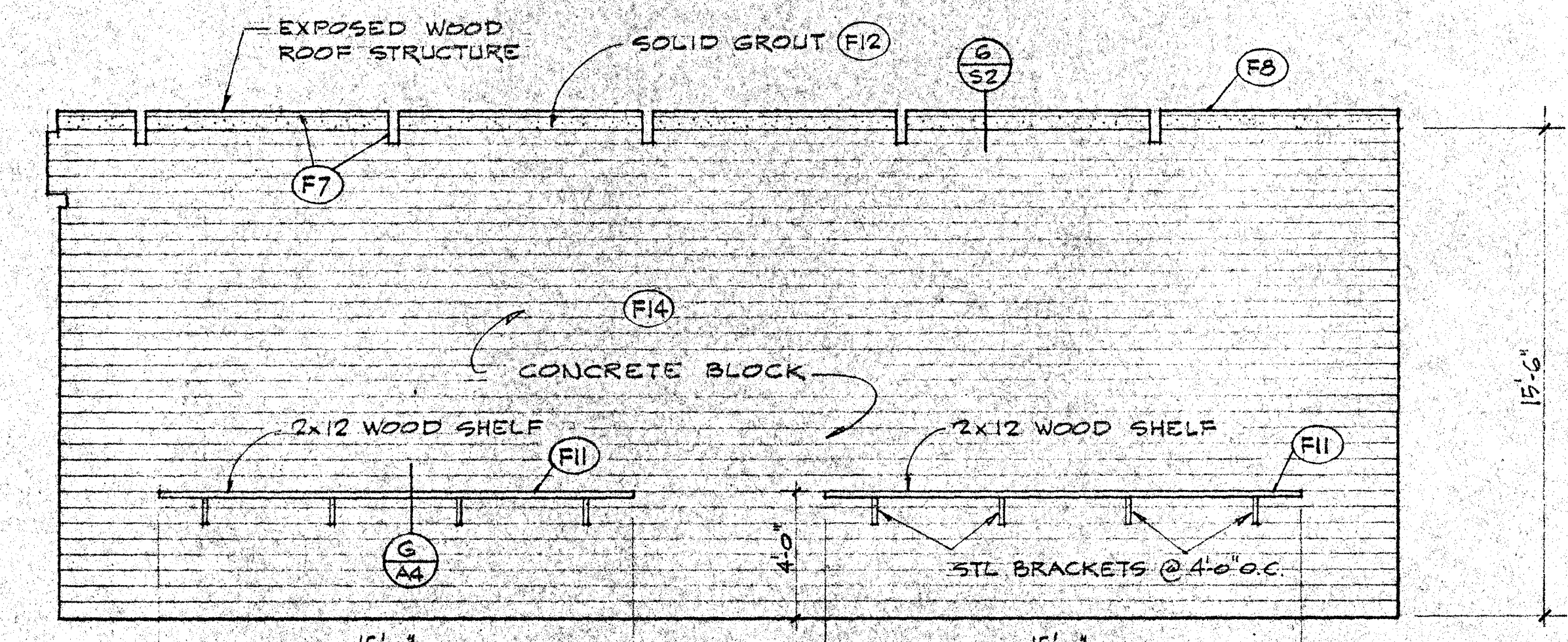
1



2



3



4

**SERVICE BUILDING**

**ELECTRIC CARTS 104**

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

ARCHITECT: GRILLIAS • SAVAGE • ALVES  
 OWNED BY: SANTA ANA COLLEGE DISTRICT  
 CIVIL ENG. DATE: 11/14/70  
 MECH. ENG. DATE: 11/14/70  
 ELEC. ENG. DATE: 11/14/70  
 MANAGER: E. K.  
 DRAFTSMAN: E. K.  
 BY: CK  
 NO. DATE ISSUED FOR: 11/14/70  
 1 19-0 STATE APPROVAL

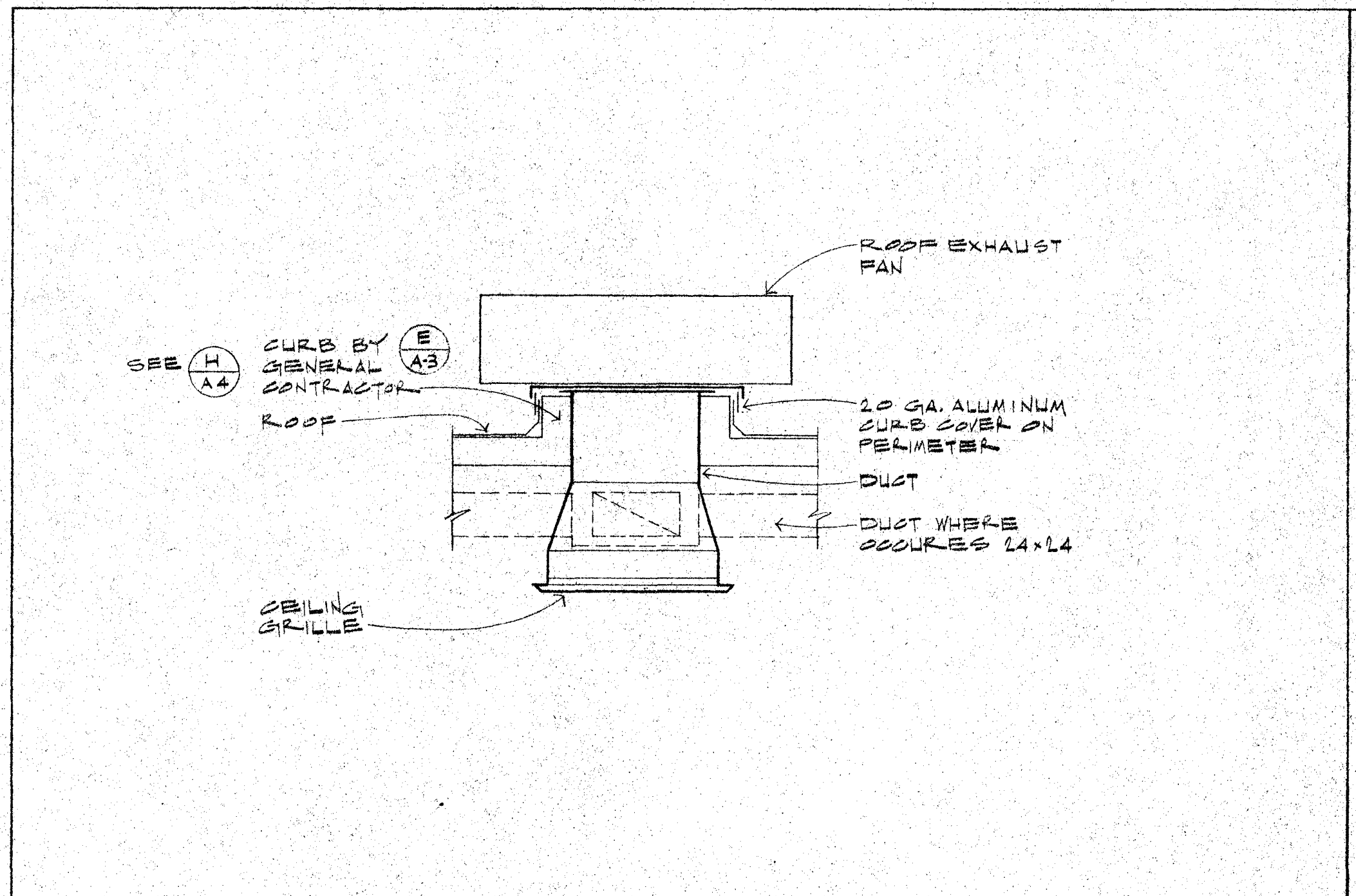
SANTA ANA COLLEGE  
 JUNIOR COLLEGE DISTRICT  
 1550 WEST SEVENTEENTH STREET  
 SANTA ANA, CALIFORNIA

INTERIOR ELEVATION  
 GRILLIAS • SAVAGE • ALVES  
 planning architecture engineering

508 north main street, santa ana 835-2311

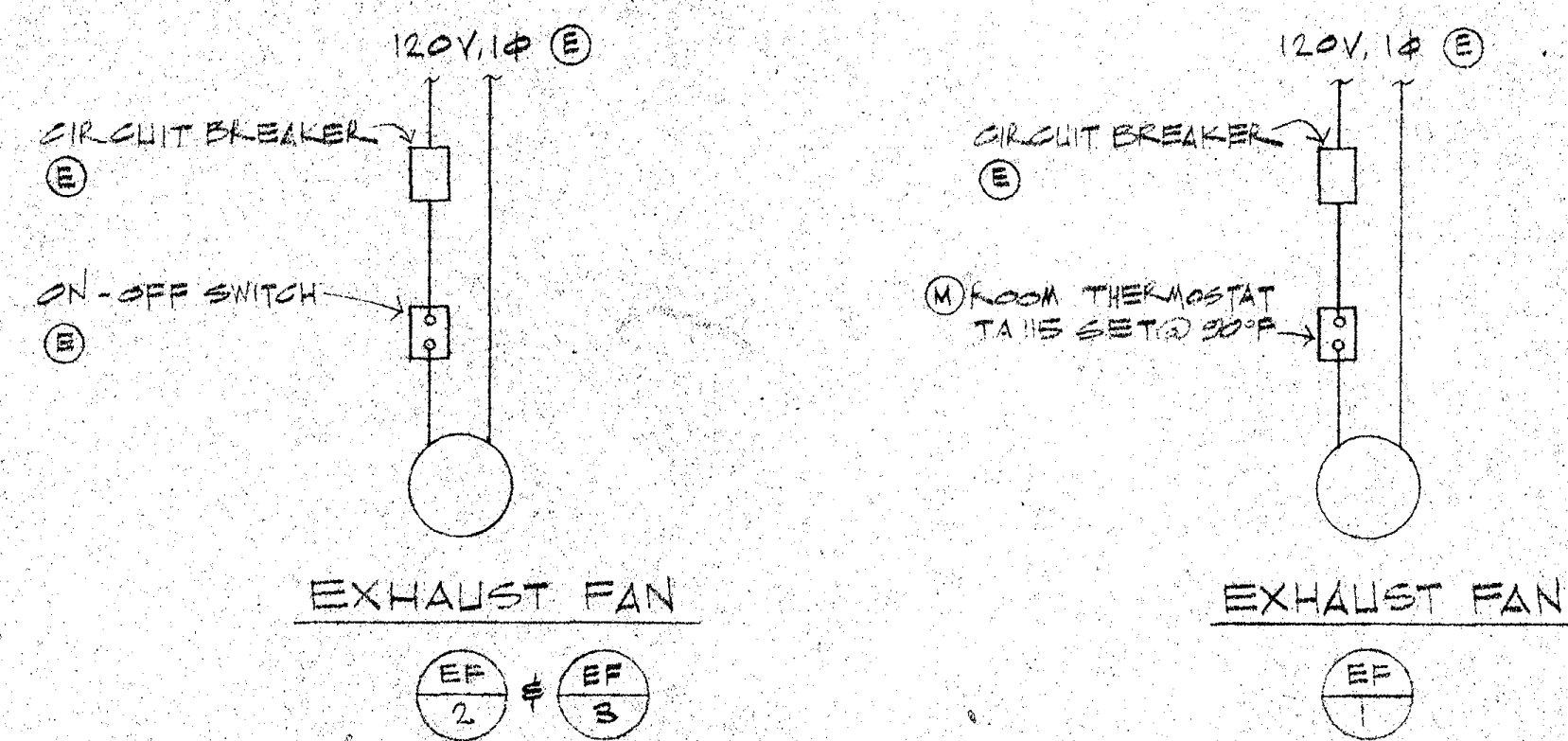
SHEET NUMBER  
**A3**  
 DATE 11-14-70

EXHAUST FAN SCHEDULE										
UNIT NO.	ACME MODEL NO.	CFM	S.P.	R.P.M.	TYP. SPEED	MOTOR			REMARKS	
					FFM	HP	VOLTS	Ø	W	
EF-1	PL1GD	1500	1/4"	775	3400	1/6	120	1	60	
EF-2	PL22F	2600	1/4"	540	3400	1/8	120	1	60	
EF-3	PL1GD	1500	1/4"	775	3400	1/6	120	1	60	



ROOF EXHAUST FAN

SCALE NONE **D**

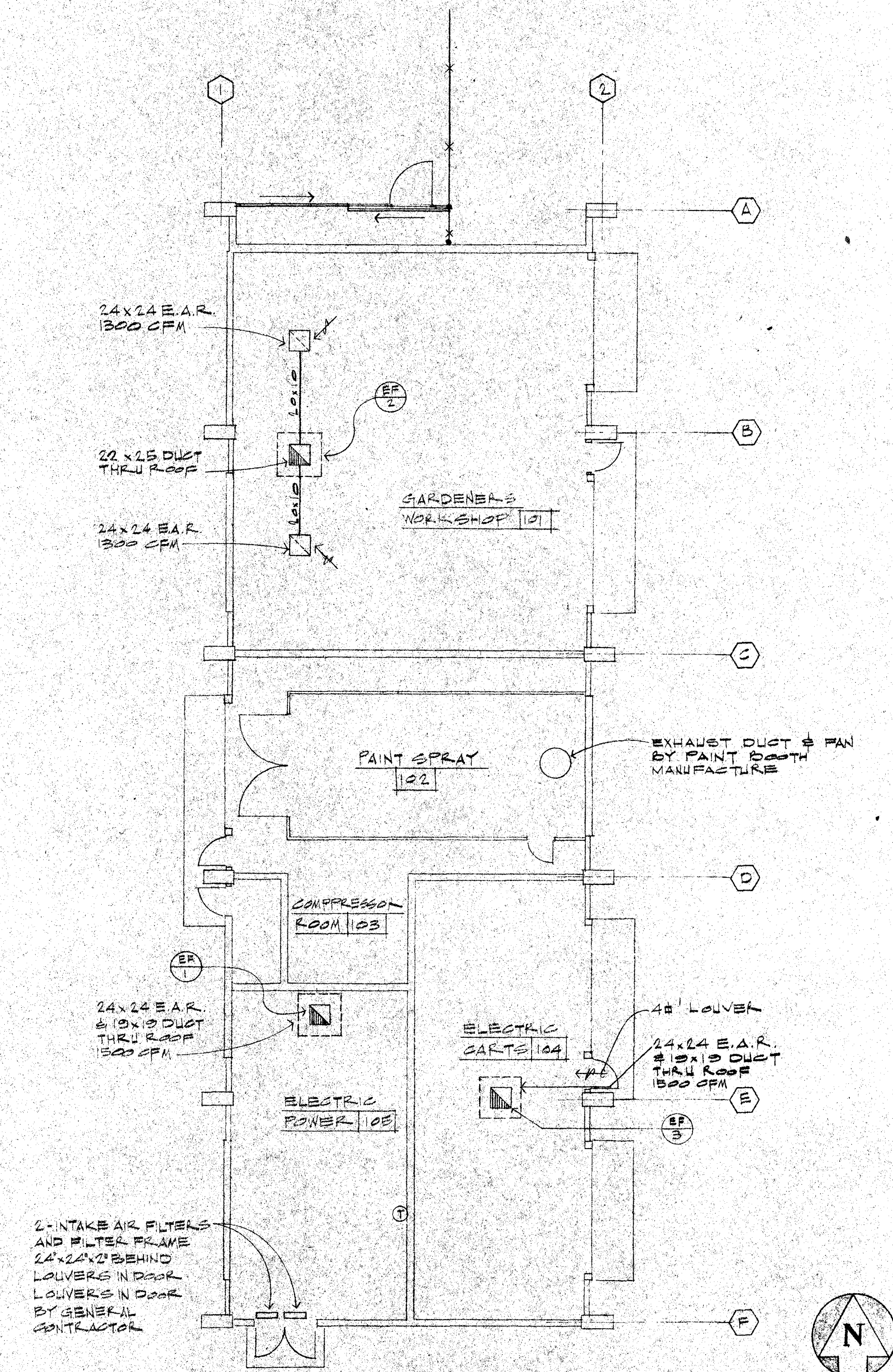


ELECTRICAL NOTES

1. (E) FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
2. (M) FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
3. ALL VOLTAGE WIRING AND CONDUIT FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

CONTROL DIAGRAM

SCALE NONE **B**



GROUND FLOOR PLAN

SCALE NONE **A**

EQUIPMENT SCHEDULE

SCALE NONE **C**

ARCHITECT: GRILLIAS • SAVAGE • ALVES  
 OWNED BY: SANTA ANA COLLEGE DISTRICT  
 1530 WEST SEVENTEENTH STREET, SANTA ANA, CALIFORNIA 92705  
 MECH. ENG. [Signature]  
 ELEC. ENG. [Signature]  
 MANAGER [Signature]  
 DRAFTSMAN [Signature]  
 STATE APPROVAL [Signature]  
 NO. DATE ISSUED FOR [Blank]  
 BY [Blank]

**SANTA ANA COLLEGE**  
**SANTA ANA DISTRICT**  
**JUNIOR COLLEGE**  
 1530 WEST SEVENTEENTH STREET, SANTA ANA, CALIFORNIA 92705

**GRILLIAS • SAVAGE • ALVES**  
 planning architecture engineering

508 north main street, santa ana 92701 835-2311

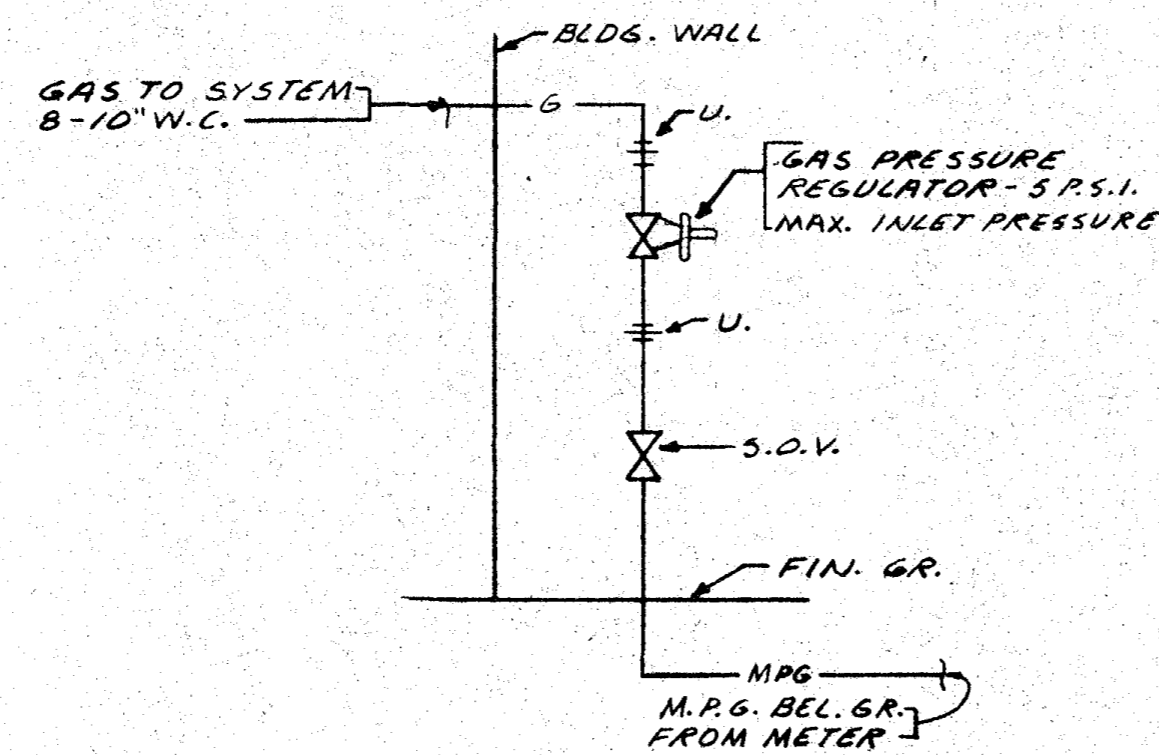
SHEET NUMBER  
**M-1**  
 DATE 9-6-70

SERVICE BUILDING

**GAS PRESSURE REGULATOR SCHEDULE**

REGULATOR NUMBER	SIZE (MIN.)	CAPACITY (CFH)	PRESSURE	
			INLET	DISCHARGE
1	3/4"	380 (SMALL)	1.5-5 P.S.I.	8-10" W.C.
2	1"	600 (SMALL)	1.5-5 P.S.I.	8-10" W.C.
3	3/4"	1000 (LARGE)	1.5-5 P.S.I.	8-10" W.C.
4	1"	2200 (LARGE)	1.5-5 P.S.I.	8-10" W.C.
5	1 1/4"	5000 (LARGE)	1.5-5 P.S.I.	8-10" W.C.
6	1 1/2"	8500 (LARGE)	1.5-5 P.S.I.	8-10" W.C.
7	2"	9000 (LARGE)	1.5-5 P.S.I.	8-10" W.C.
8	2 1/2"	14,000 (LARGE)	1.5-5 P.S.I.	8-10" W.C.
9	3"	17,000 (LARGE)	1.5-5 P.S.I.	8-10" W.C.
10	4"	30,000 (LARGE)	1.5-5 P.S.I.	8-10" W.C.

REGULATORS SHALL BE ROCKWELL FISHER OR RELIANCE GAS CO. APPROVED WITH ORIFICES SIZED FOR LOADS INDICATED IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS. ALL REGULATORS SIZED ON I.P.S.I. DIFFERENTIAL PRESSURE.



**GAS PRV. DETAIL** SCALE NONE A

**PLUMBING FIXTURE CONNECTION SCHEDULE**

ITEM	DESCRIPTION	SOIL OR WASTE	TRAP	VENT	COLD WATER	HOT WATER	ABOVE FLOOR	BELOW FLOOR	REMARKS
1	WATER CLOSET	4"	1 1/2"	2"	1"	•	W.C.	6 10	FLUSH VALVE WALL HUNG
2	URINAL	2"	1 1/2"	1 1/2"	3/4"	•	U.	2 5	FLUSH VALVE WALL HUNG
3	LAVATORY	2"	1 1/2"	1 1/2"	1/2"	•	L.	2 2	WALL HUNG 20" X 18"
4	SERVICE SINK	2"	2"	1 1/2"	1 1/2"	•	S.S.	3 4	28" X 28" FLOOR TYPE WALL MTD. MIX. FAUCET W/K.B.
5	DRINKING FOUNTAIN	2"	1 1/2"	1 1/2"	1 1/2"	•	D.F.	1 2	RECESSED VITREOUS CHINA
6	CUSPIDOR	2"	1 1/2"	1 1/2"	1 1/2"	•	D.F.	1 2	RECESSED VITREOUS CHINA
7	SHOWER STALL	2"	2"	1 1/2"	1 1/2"	•	S.H.	2 2	R.B. MIX. VALVE, SHOWER DRAIN
8	FLOOR DRAIN	2"	2"	1 1/2"	2"	•	F.D.	2 2	5" SQ. OR ROUND R.N.B.
9	ROOF DRAIN	2"	2"	2"	2"	•	R.D.	• •	DOME TYPE UNDER DECK CLAMP
10	FLOOR DRAIN	2"	2"	2"	3"	•	F.D.	• •	MEDIUM SIZE, TRAFFIC TYPE, SEDIMENT BUCKET
11	FLOOR SINK	2"	2"	1 1/2"	2"	•	F.S.	3 •	12" X 12" X 10" FULL GRATE W/ 2 1/2" Ø HOLE
12	FLOOR SINK	2"	2"	1 1/2"	2"	•	F.S.	3 •	12" X 12" X 8" 3/4 GRATE
13	KITCHEN UNIT	2"	1 1/2"	1 1/2"	1 1/2"	•	K.U.	2 2	ROUGH-IN F. CONN. ONLY
14	DRINKING FOUNTAIN	2"	1 1/2"	1 1/2"	1 1/2"	•	D.F.	1 2	SEMI-RECESSED, ELECTRIC, 12 G.P.H. @ 30" F. DROP
15	RECESSED HOSE BIBB	•	•	•	3/4"	•	R.H.B.	• 5	WALL HYDRANT, RECESSED, W/L.K. STOP
16	HOSE BIBB	•	•	•	3/4"	•	H.B.	• 5	EXPOSED W/ L.K. STOP
17	HOSE BIBB	•	•	•	1/2"	•	H.B.	• 5	WALL MTD. W/L.K. STOP, IN TOILET RMS. ONLY
18	WASH FOUNTAIN	2"	1 1/2"	1 1/2"	3/4"	•	W.F.	3 4	SEMI-CIRCULAR 54" Ø
19	FLOOR DRAIN	3"	3"	2"	•	•	F.D.	• •	12" X 12" X 10" FULL GRATE TRAFFIC TYPE, SED. BUCKET
20	WORK SINK	2"	1 1/2"	1 1/2"	1 1/2"	•	S.K.	3 4	STAINLESS STEEL 17" X 16" GOOSE-NEK FAUCET, 1 1/2" WASTE
21	WORK SINK	2"	1 1/2"	1 1/2"	1 1/2"	•	S.K.	3 4	STAINLESS STEEL 17" X 16" GOOSE-NEK FAUCET, 1 1/2" WASTE
22	WORK SINK	2"	1 1/2"	1 1/2"	1 1/2"	•	S.K.	3 4	R.I.C.D. 32" X 28" GOOSE-NEK FAUCET, 1 1/2" WASTE
23	WORK SINK	2"	2"	1 1/2"	1 1/2"	•	S.K.	3 4	R.I.C.D. 30" X 28" GOOSE-NEK FAUCET, 1 1/2" WASTE

**PLUMBING SYMBOLS & ABBREVIATIONS**

SYMBOL	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
— S.O.W. —	S.O.W.	SANITARY SOIL OR WASTE ABOVE FLOOR OR GRADE	ABV.	ABOVE
— S.O.W. —	S.O.W.	SANITARY SOIL OR WASTE BELOW FLOOR OR GRADE	BEF.	BELOW
— V. —	V.	VENT	A.P.	ACCESS PANEL
— C.W. —	C.W.	COLD WATER	C.B.	CATCH BASIN
— H.W. —	H.W.	HOT WATER	C.G.	CEILING
— H.W.R. —	H.W.R.	HOT WATER RETURN (CIRCULATING)	C.I.	CAST IRON
			CONC.	CONCRETE
			CONN.	CONNECT
			CAP.	CAPACITY
			A.C.	AIR CONDITIONING
			D.J.	DOUBLE JOINTED
— SD —	S.D.	STORM DRAIN	D.N.	DOWN
— G. —	G.	FUEL GAS (B.WATER CO.)	E.C.	ELBOW CONTROL
— IW —	I.W.	INDIRECT WASTE	EXP.	EXPOSED
— F. —	F.	FIRE SPRINKLER	ELEV.	ELEVATION
			FLR.	FLOOR
			FIXTS.	FIXTURES
			FIN.	FINISH
			G.R.	GRADE
			G.S.	GOOSE-NECK SPOUT
			H.L.	HOUSE LATERAL
			FIX.	FIXTURE UNITS
			HDR.	HEADER
			F.R.	FROM
			I.E.	INVERT ELEVATION
			L.K.S.	LOCKEY STOP
			M.H.	MANHOLE
			N.I.C.	NOT IN CONTRACT
			O.C.	ON CENTER
			P.O.C.	POINT OF CONNECTION
			P.T.	PLUGGED TEE
			P.Y.	PLUGGED WYE
			REL.V.	RELIEF VALVE
			STA.	STATION
			U.O.S.	UNDER OTHER SECTIONS
			V.B.	VACUUM BREAKER
			V.C.P.	VITRIFIED CLAY PIPE
			V.T.R.	VENT THRU ROOF
			W/	WITH
— WSP —	W.S.P.	WET STAND PIPE	W/H	WATER HEATER
			Y.B.	YARD BOY
			E.W.	EACH WAY
			D.S.	DOWN SPOUT
			S.B.	SPLASH BLOCK
			F.H.C.	FIRE HOSE CABINET
— A —	AIRDR.	COMPRESSED AIR		
— M.P.G. —	M.P.G.	MEDIUM PRESSURE GAS		
			ST. ST.	STAINLESS STEEL
			A.C.P.	ASBESTOS CEMENT PIPE
			B.F.P.	BACKFLOW PREVENTER
			O.R.D.	OVERFLOW ROOF DRAIN
			R.I.C.D.	ROUGH-IN F. CONNECT ONLY
			V.B.F.	VENT BELOW FLOOR
			TYP.	TYPICAL
			P.R.V.	PRESSURE REGULATING VALVE
			L.S.	LANDSCAPE SPRINKLERS
			O.H.	OVERHEAD

**SANTA ANA COLLEGE**  
**JUNIOR SANTA ANA DISTRICT**  
 1550 WEST SEVENTEENTH STREET SANTA ANA, CALIFORNIA

**PLUMBING DETAILS**

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 planning architecture engineering

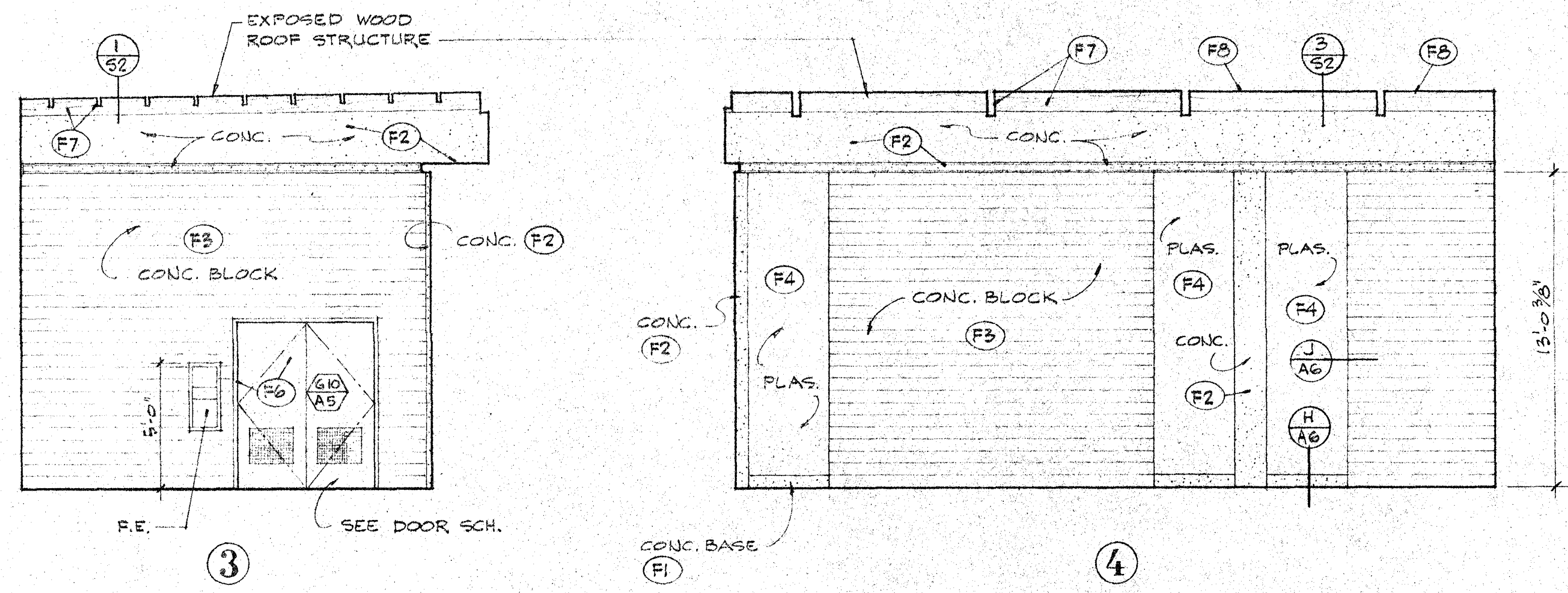
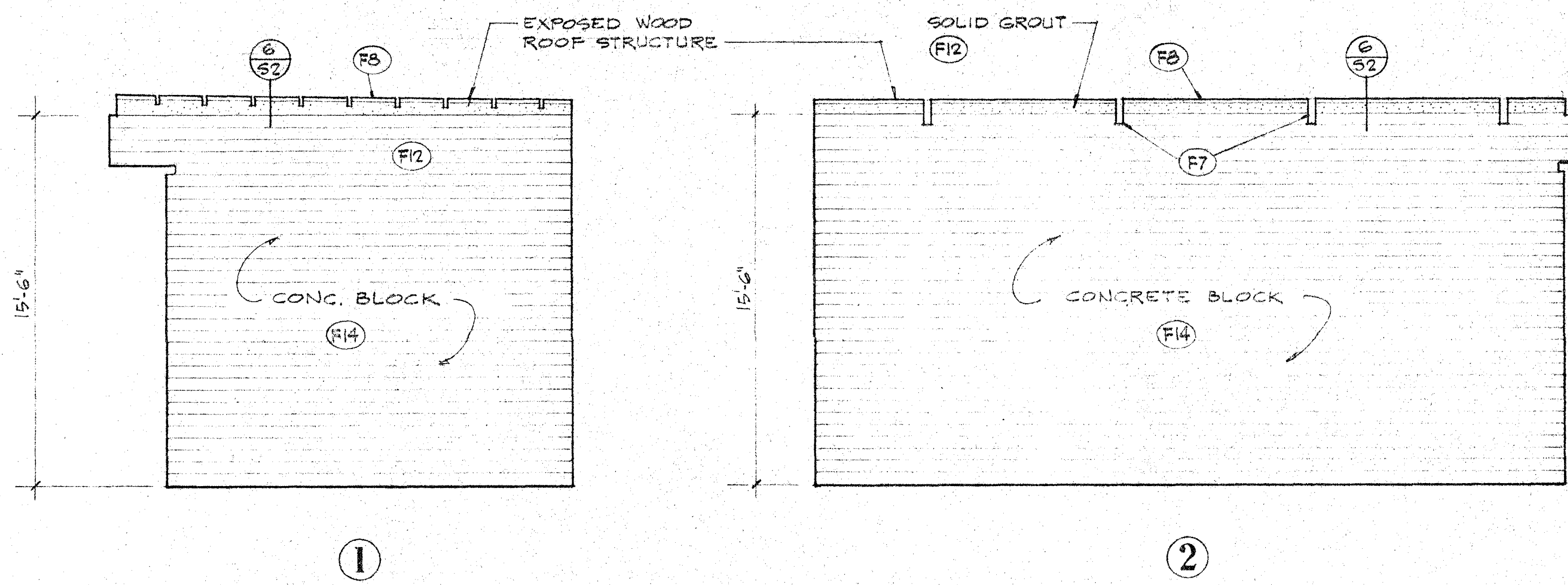
508 north main street, santa ana 92701

SHEET NUMBER  
**P 2**  
 DATE 3-6-70

ARCHITECT: J. ALVES  
 OWNED BY: JUNIOR SANTA ANA DISTRICT  
 STR. ENG.: J. ALVES  
 CIVIL ENG.: J. ALVES

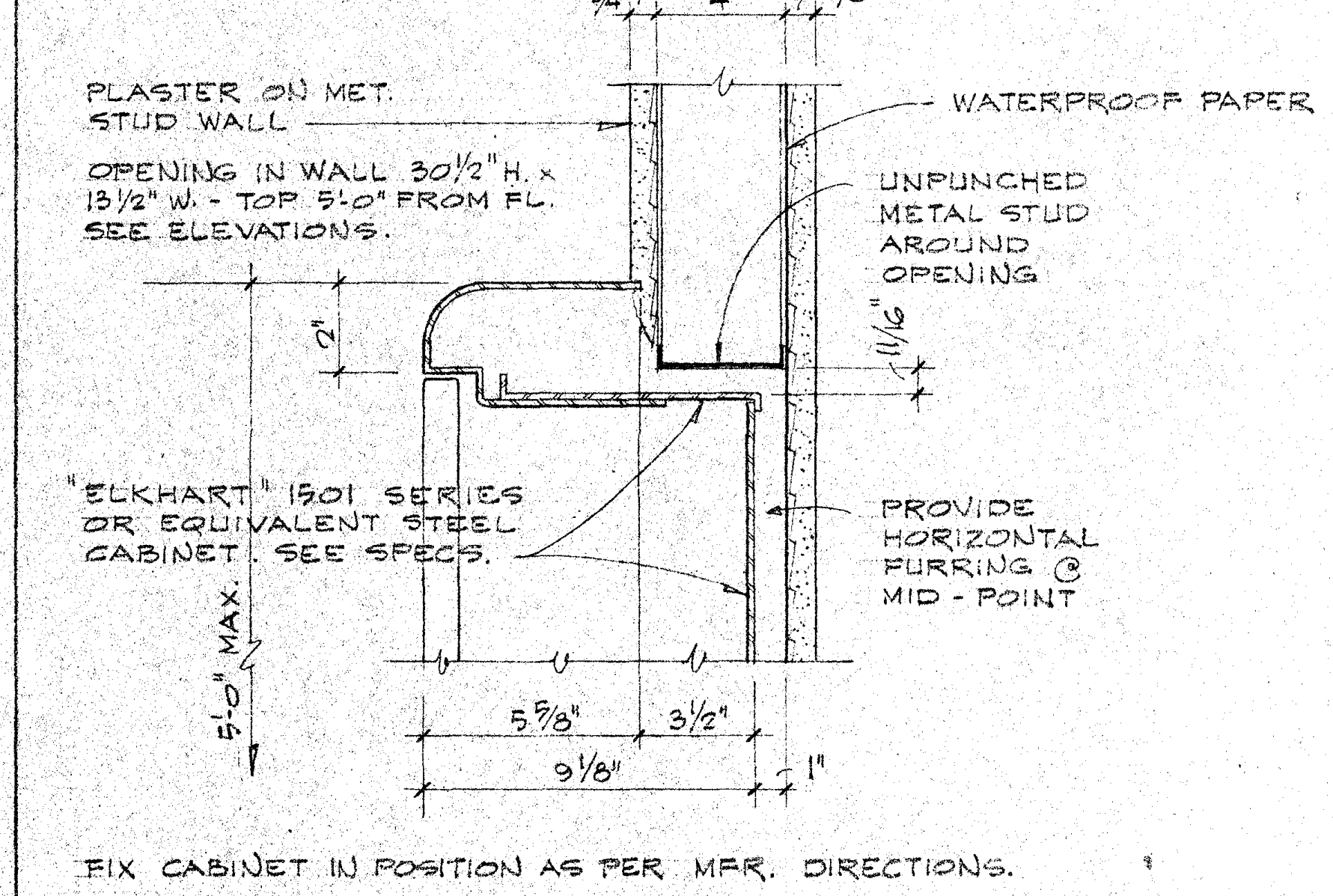
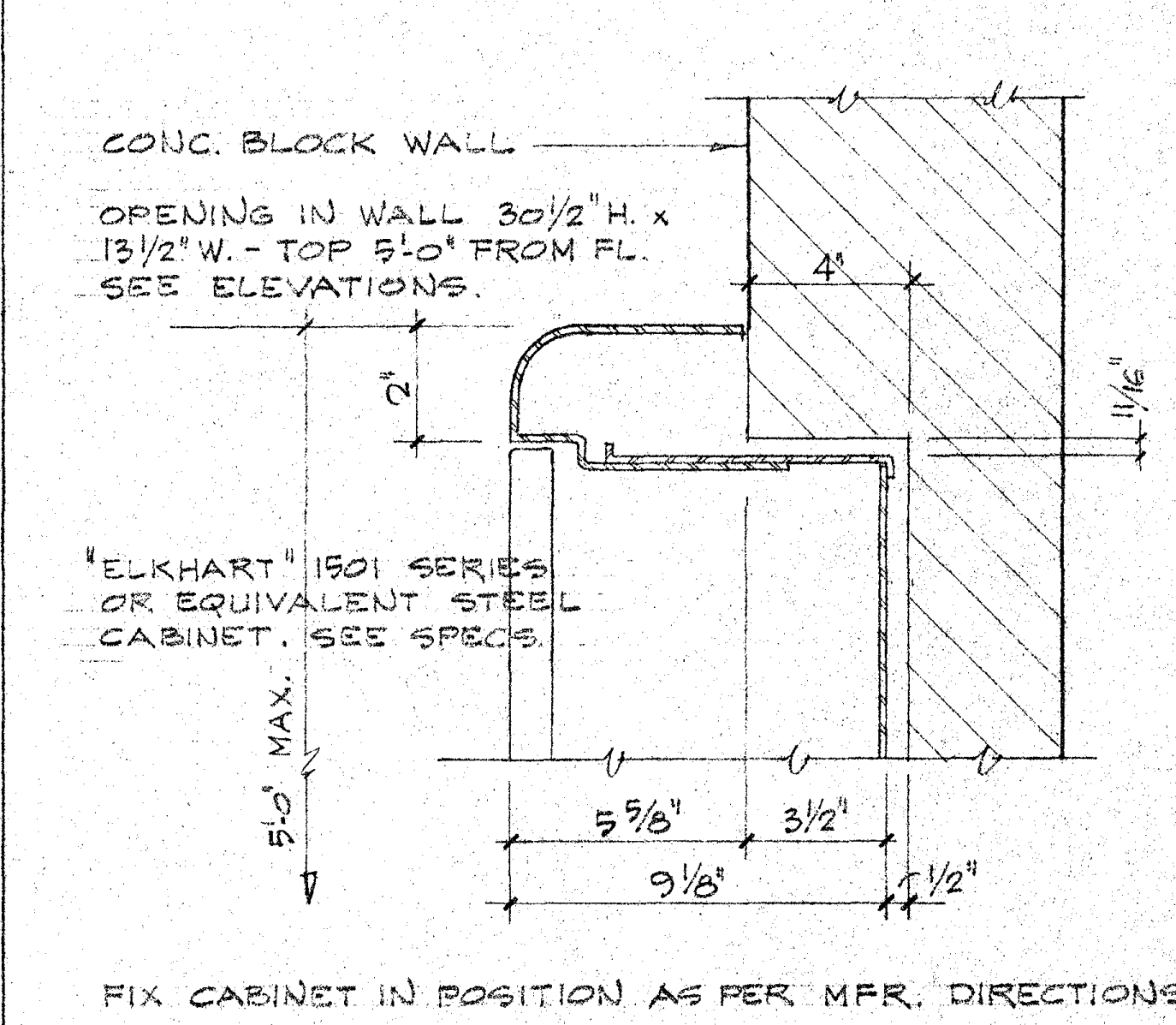
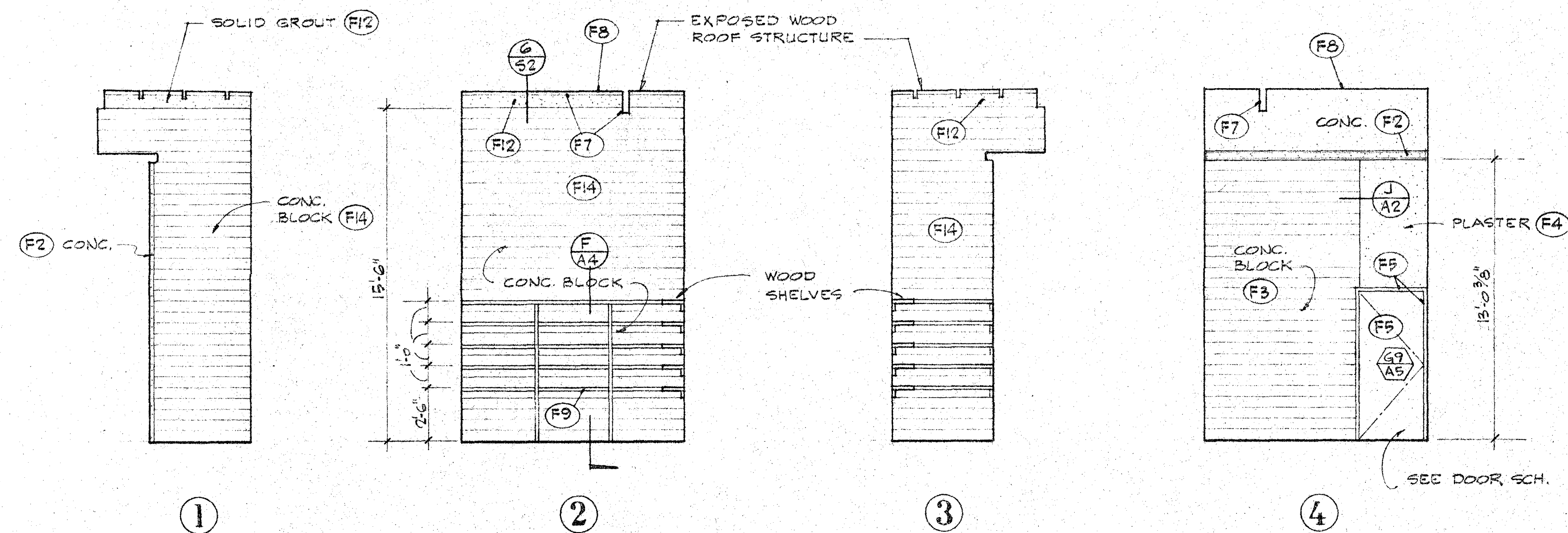
MECH. ENG.: J. ALVES  
 ELEC. ENG.: J. ALVES  
 MANAGER: J. ALVES  
 DRAFTSMAN: J. ALVES

STATE APPROVAL  
 NO. DATE ISSUED FOR: \_\_\_\_\_  
 BY: \_\_\_\_\_



**ELECTRIC POWER 105**

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



**PAINT STORAGE 106**

SCALE 1/4"=1'-0" **B**

**FIRE EXTINGUISHER**

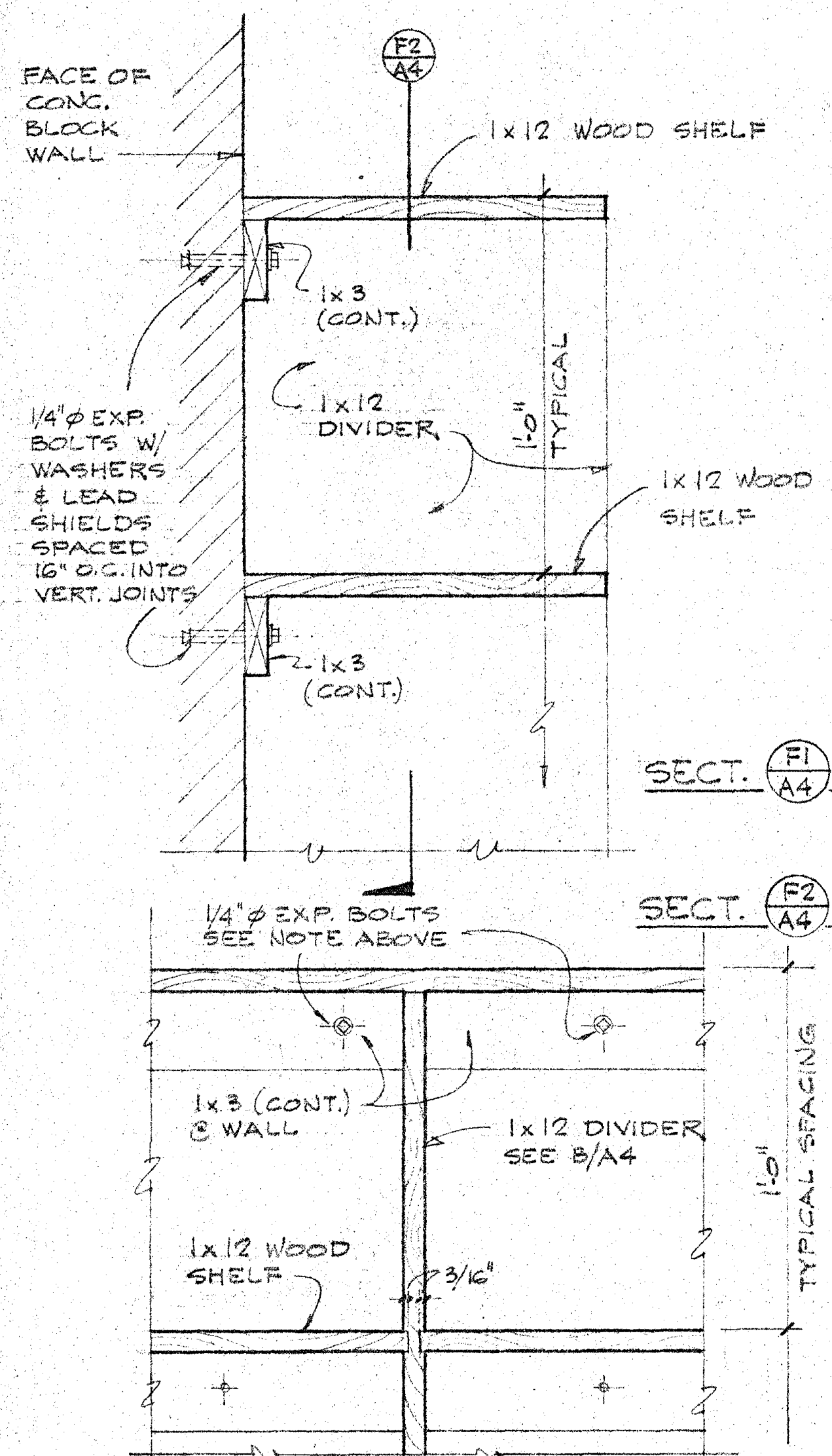
SCALE 3/8"=1'-0" **C**

**FIRE EXTINGUISHER**

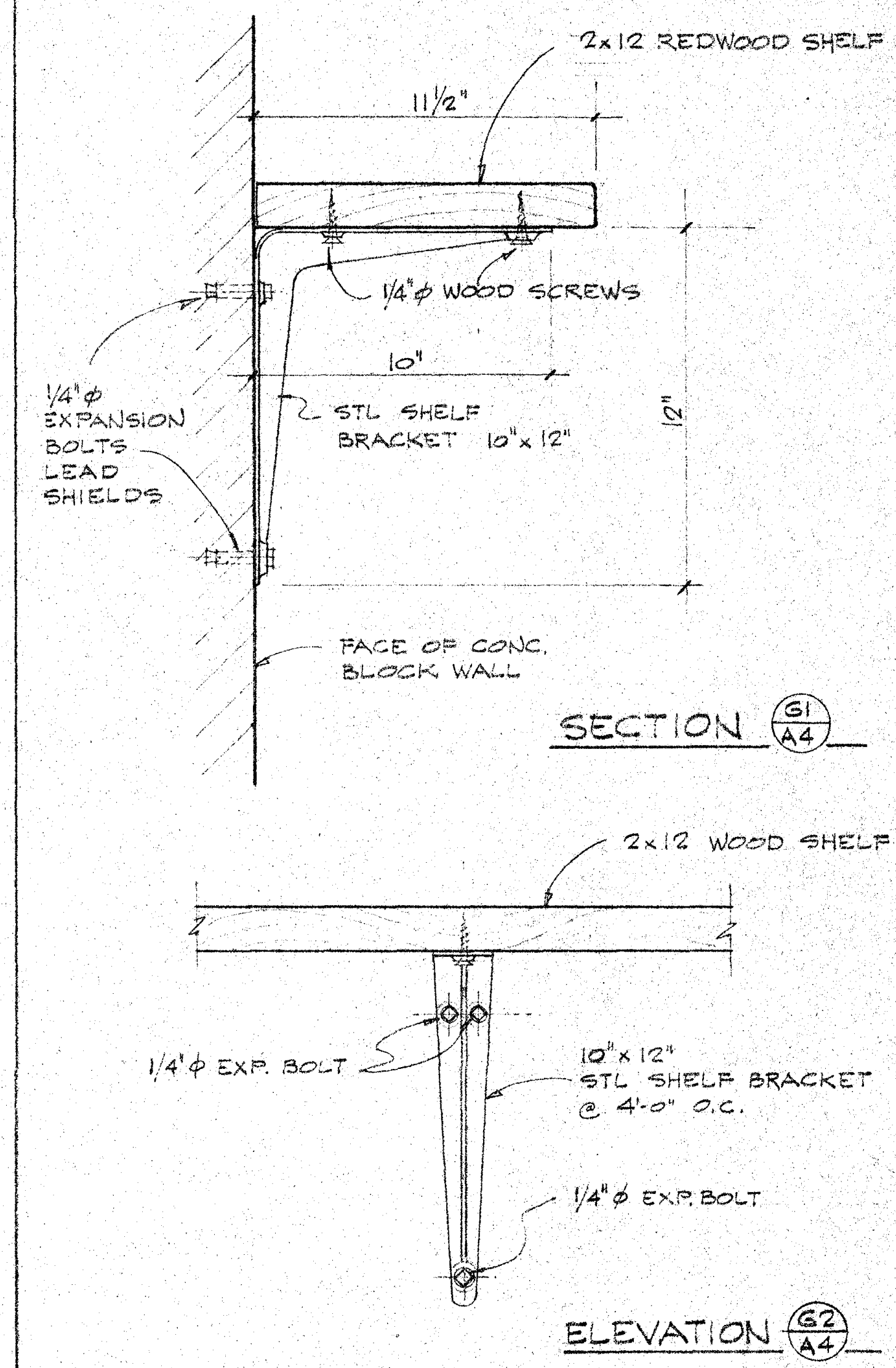
SCALE 3/8"=1'-0" **D**

SYMBOL	NO. OF UNITS	DESCRIPTION OF EQUIPMENT	FURNISHED BY	INSTALLED BY	CONNECTED BY
1	1	SWIVEL-VISE 4 1/2" JAW WIDTH - OPEN 7 1/2"	OWNER	OWNER	OWNER
2	1	BENCH GRINDER WITH FACE SHIELD - BLACK & DECKER	OWNER	OWNER	OWNER
3	12	PALLETS 4' by 4' - WOOD	OWNER	OWNER	OWNER
4	2 sections	30' OPEN STEEL SHELVING, FIVE SHELVES DEEP - 7' TALL	OWNER	OWNER	OWNER
5	1	PORTABLE STEAM CLEANER - 2,200 BTU INPUT	OWNER	OWNER	OWNER
6	1	BENCH SAW 10"	OWNER	OWNER	OWNER
7	1	DRILL PRESS	OWNER	OWNER	OWNER
8	1	ELECTRIC DRILL, HAND	OWNER	OWNER	OWNER
9	1	ELECTRIC SAW, SABRE, HAND	OWNER	OWNER	OWNER
10	1	TOOL BOX	OWNER	OWNER	OWNER
11	1	METAL WORK BENCH 8'	OWNER	OWNER	OWNER
12	1	MISCELLANEOUS TOOLS	OWNER	OWNER	OWNER

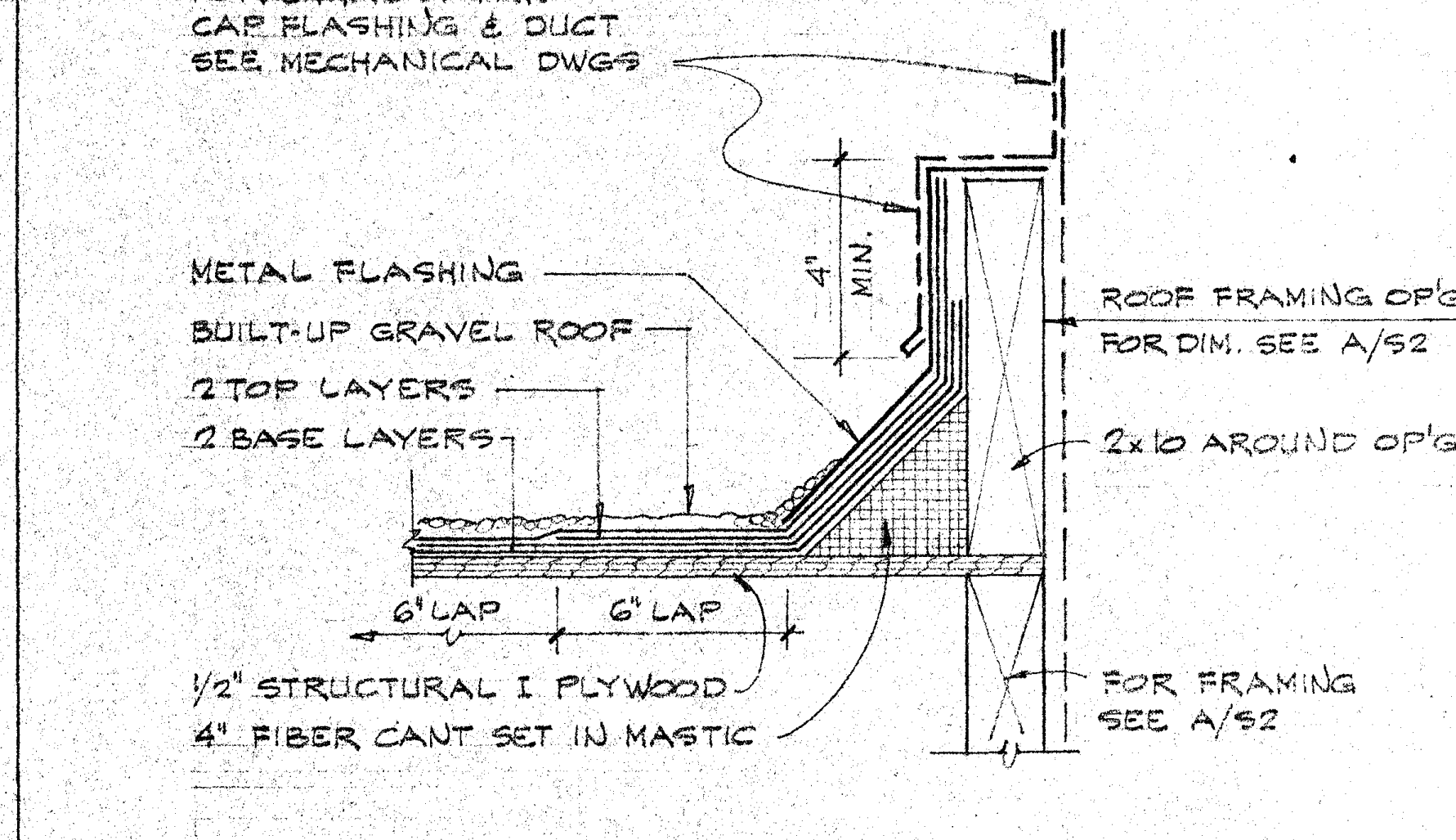
NOTE:  
 1 Utilities required - size of service, pipe sizes, wire sizes, amps, volts, phase, etc. shall be as shown on Electrical, Mechanical and Plumbing drawings.  
 2 Equipment shall be spaced as indicated on Architectural drawings or as otherwise directed.



SCALE 3/8"=1'-0" **F**



SCALE 3/8"=1'-0" **G**



**ROOF CURB DETAIL**

SCALE 3/8"=1'-0" **H**

**EQUIPMENT LIST**

SCALE NONE **E**

**SHELVING**

**BATTERY SHELF**

**SERVICE BUILDING**

SANTA ANA COLLEGE DISTRICT JUNIOR COLLEGE SAN ANA, CALIFORNIA  
 ARCHITECT: GRILLIAS • SAVAGE • ALVES  
 OWNED BY: SANTA ANA COLLEGE DISTRICT  
 STR. ENG.: GRILLIAS • SAVAGE • ALVES  
 CIVIL ENG.: GRILLIAS • SAVAGE • ALVES  
 MICH. ENG.: GRILLIAS • SAVAGE • ALVES  
 ELEC. ENG.: GRILLIAS • SAVAGE • ALVES  
 MANAGER: GRILLIAS • SAVAGE • ALVES  
 DRAFTSMAN: GRILLIAS • SAVAGE • ALVES  
 NO. DATE ISSUED FOR: \_\_\_\_\_ BY: CK  
 STATE APPROVAL: \_\_\_\_\_  
 SHEET NUMBER: **A4**  
 JOB NO. 67-101.1  
 DATE 8-1-58

**DOOR SCHEDULE**

**INTERIOR FINISH SCHEDULE**

**COLOR SCHEDULE**

**GROUND FLOOR**

**GROUND FLOOR**

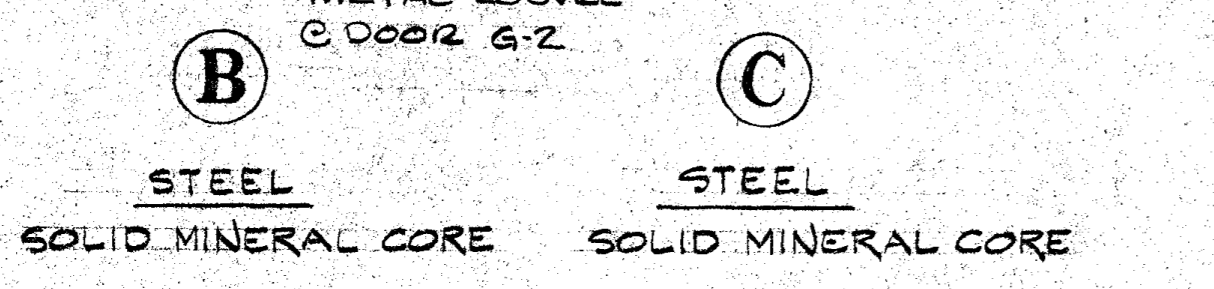
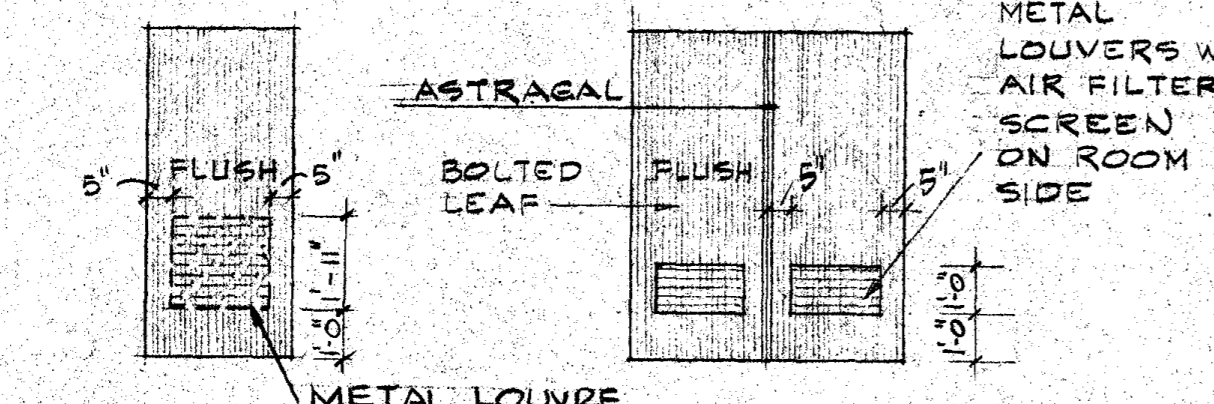
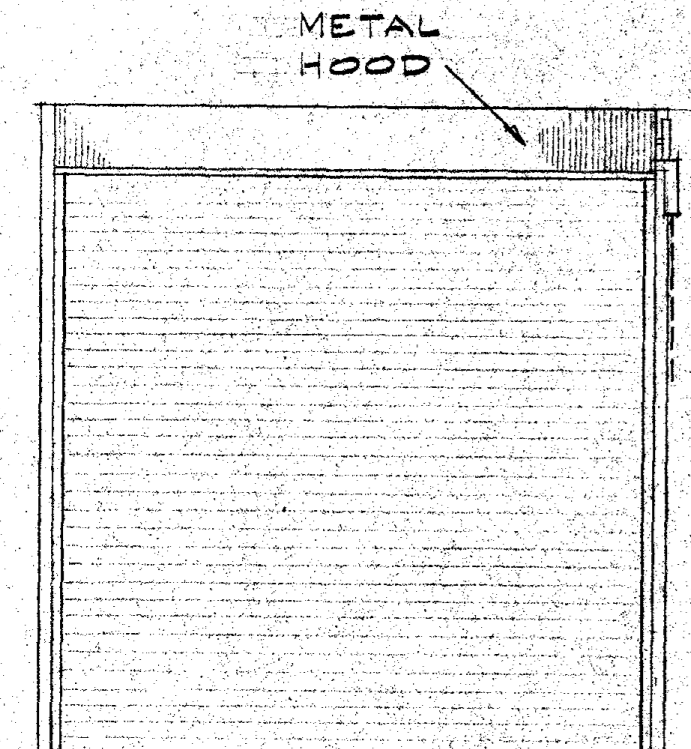
**GROUND FLOOR**

DOOR No.	OPENING DIMS WIDTH X HEIGHT	TH	TYPE	MATERIAL		LABEL	GLASS	LOUVER	HOLDING	DOOR FRAME				REMARKS		
				FACE	CORE					MAT.	JAMB	HEAD	SILL			
G1	12'-0" x 12'-0"		A	STL					HW-14	STL	FS	AG	B	AG	CHAIN OPERATED ROLL-UP DOOR	
G2	3'-0" x 6'-10"	1 3/4"	B	STL	S.C.				2x2	HW-23	STL	SH	J	AG	CHAIN OPERATED ROLL-UP DOOR	
G3	12'-0" x 12'-0"		A	STL					HW-14	STL	FS	AG	B	AG	CHAIN OPERATED ROLL-UP DOOR	
G4	12'-0" x 12'-0"		A	STL					HW-14	STL	FS	AG	B	AG	CHAIN OPERATED ROLL-UP DOOR	
G5	3'-0" x 6'-10"	1 3/4"	B	STL	S.C.				HW-23	STL	SH	J	AG			
G6	12'-0" x 12'-0"		A	STL					HW-14	STL	FS	AG	B	AG	CHAIN OPERATED ROLL-UP DOOR	
G7	12'-0" x 12'-0"		A	STL					HW-14	STL	FS	AG	B	AG	CHAIN OPERATED ROLL-UP DOOR	
G8	3'-0" x 6'-10"	1 3/4"	B	STL	S.C.				HW-23	STL	SH	J	AG			
G9	3'-0" x 6'-10"	1 3/4"	B	STL	S.C.				HW-23	STL	SH	J	AG			
G10	PR. 5'-8" x 6'-10"	1 3/4"	C	STL	S.C.				2-1/2	HW-30	STL	K	AG	M	AG	BOLTED LEAF R.H.D.R. ACTIVE
G11	PR. 23'-2" x 10'-0"		D						HW-14	STL						CHAIN LINK GATE (SLIDING)

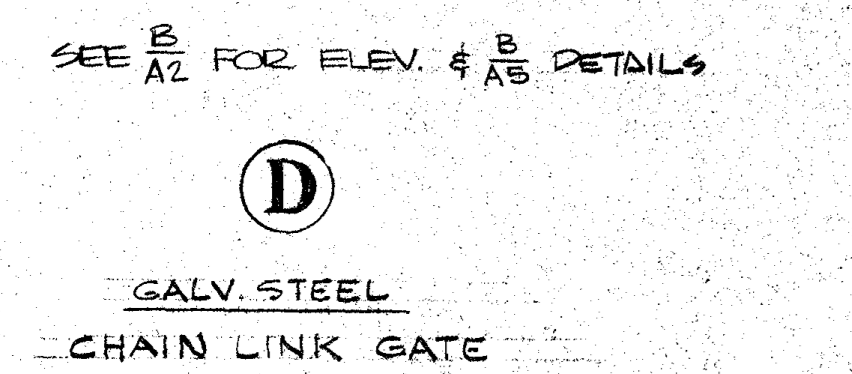
SPACE NUMBER	SPACE DESIGNATION	FLOOR				BASE				WALLS				CEILING				REMARKS	
		EXPOSED CONCRETE				EXPOSED CONCRETE				EXPOSED CONC. COULS	EXPOSED CONC. LEDGE	EXPOSED CONC. BLOCK	CEMENT PLASTER	EXPOSED WOOD STRUCT.					
100	OIL DRUM STORAGE																		
101	GARDENERS WORKSHOP																		
102	PAINT SPRAY																		
103	COMPRESSOR ROOM																		
104	ELECTRIC CARTS																		
105	ELECTRIC POWER																		
106	PAINT STORAGE																		

FLOOR	BASE	WALLS				ROLL-UP DOORS	METAL TRIM	WOOD ROOF BEAMS	PLYWOOD ROOF SHEET & WORK BENCH	WOOD SHELVING	CONC. CL'S, LEDGE & BMS	SOLID GROUT	METAL DOORS & FRAME	REMARKS
		1	2	3	4									
F1	F1	F3	F3	F3	F3	F6	F7	F8	F8	F8	F8	F8	F8	CONC. SOFFIT F1
F1	F1	F4	F4	F4	F4	F6	F7	F8	F8	F8	F8	F8	F8	* SEE ELEVATIONS A/A3
F1	F1	F4	F4	F4	F4	F6	F7	F8	F8	F8	F8	F8	F8	* SEE ELEVATIONS B/A3
F1	F1	F4	F4	F4	F4	F6	F7	F8	F8	F8	F8	F8	F8	* SEE ELEVATIONS D/A3
F1	F1	F4	F4	F4	F4	F6	F7	F8	F8	F8	F8	F8	F8	* SEE ELEVATIONS A/A4

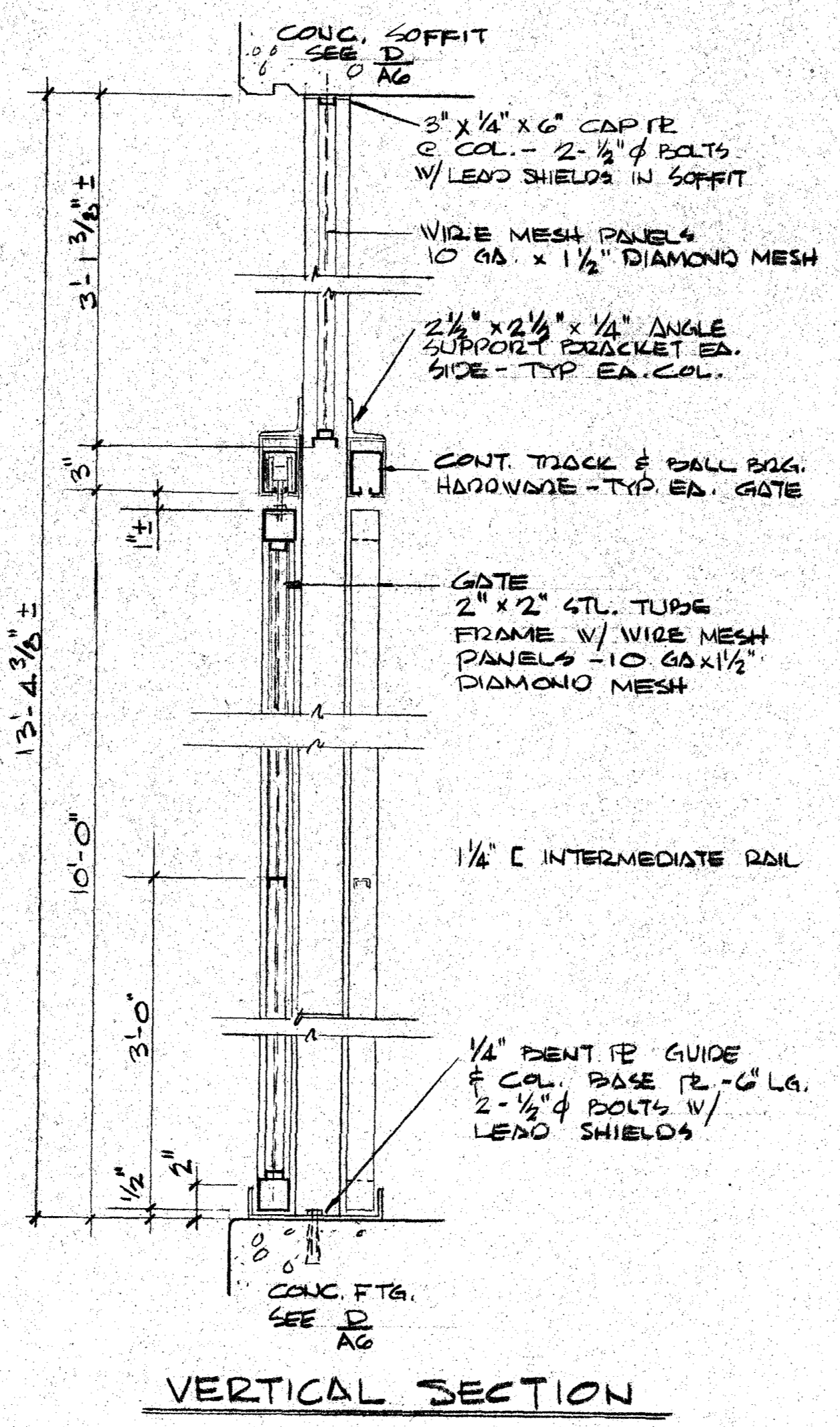
STATE APPROVAL  
 ARCHITECT: [Signature]  
 ENGINEER: [Signature]  
 DRAFTSMAN: [Signature]



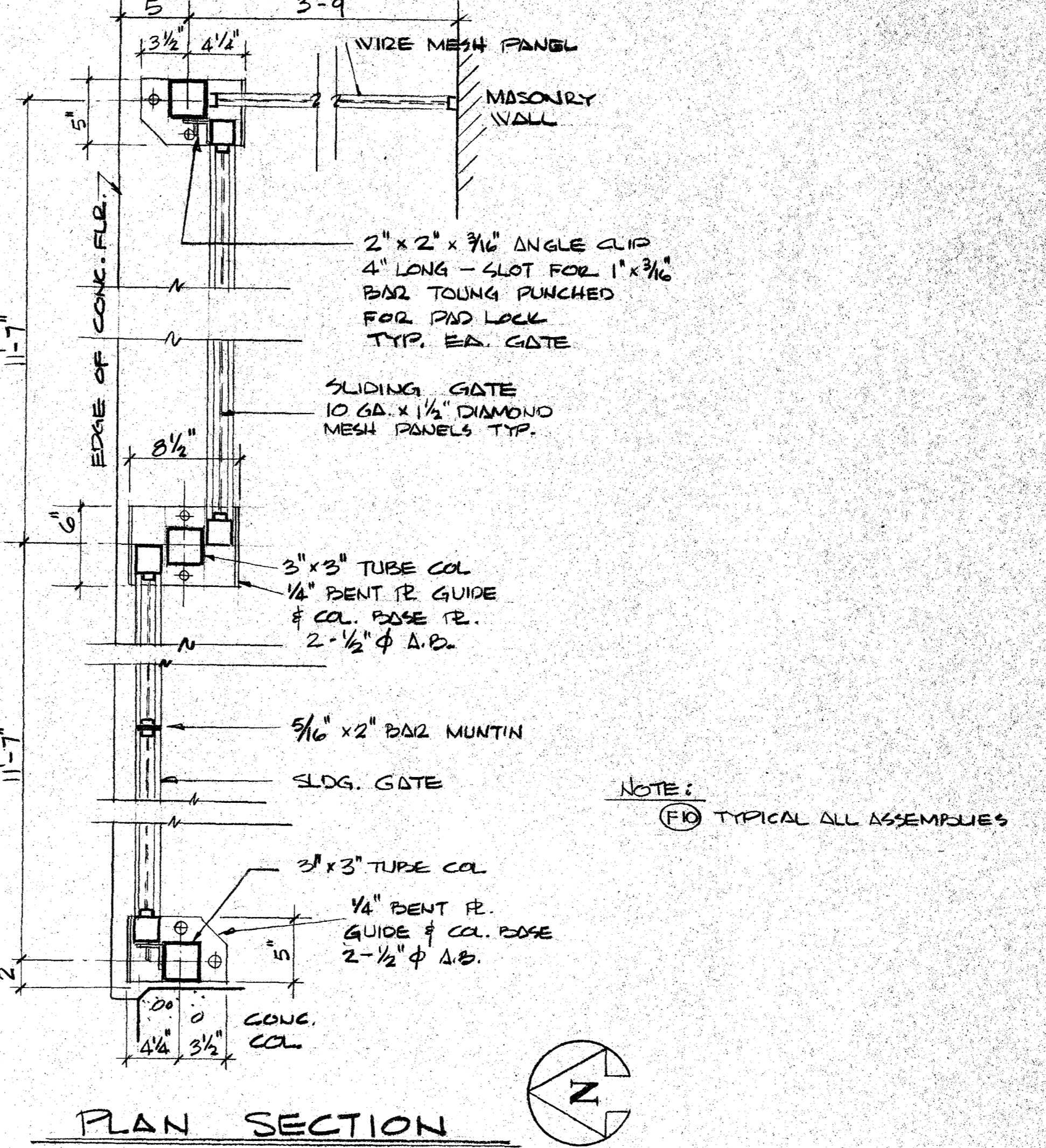
**A** STEEL CHAIN OPERATED ROLL-UP DOOR  
**B** STEEL SOLID MINERAL CORE  
**C** STEEL SOLID MINERAL CORE



**D** GALV. STEEL CHAIN LINK GATE



**VERTICAL SECTION**



**PLAN SECTION**

**COLOR & MATERIAL SYMBOLS**

- (F1) EXPOSED CONCRETE - SMOOTH STEEL TROWEL FINISH.
- (F2) FLAT WALL PAINT - COLOR PLOCHERE No. 136
- (F3) 8" x 6" x 16" CONC. BLOCK TORCO TAN #2 - DARK AGGREGATE ONLY - SPLIT FACE @ EXT. SMOOTH FACE @ INT.
- (F4) FLAT WALL PAINT - COLOR PLOCHERE No. 186
- (F5) FLAT ENAMEL PAINT - COLOR PLOCHERE No. 186
- (F6) SEMI-GLOSS ENAMEL PAINT - COLOR PLOCHERE No. 142
- (F7) OLYMPIC STAIN No. 713
- (F8) OLYMPIC STAIN No. 311
- (F9) SEMI-GLOSS ENAMEL PAINT - COLOR PLOCHERE No. 122
- (F10) HOT DIPPED GALVANIZED STEEL (AFTER FABRICATION)
- (F11) UNPAINTED REDWOOD.
- (F12) FLAT WALL PAINT - COLOR PLOCHERE No. 142
- (F13) ALL METAL FLASHING TO MATCH ADJACENT WALL FINISHES.
- (F14) 10" x 6" x 16" CONC. BLOCK TORCO TAN #2 - DARK AGGREGATE ONLY - SMOOTH FACE BOTH SIDES.

**DOOR TYPES**

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

**GATES G11 - OIL DRUM STORAGE 100**

SCALE 1/8" = 1'-0" **B**

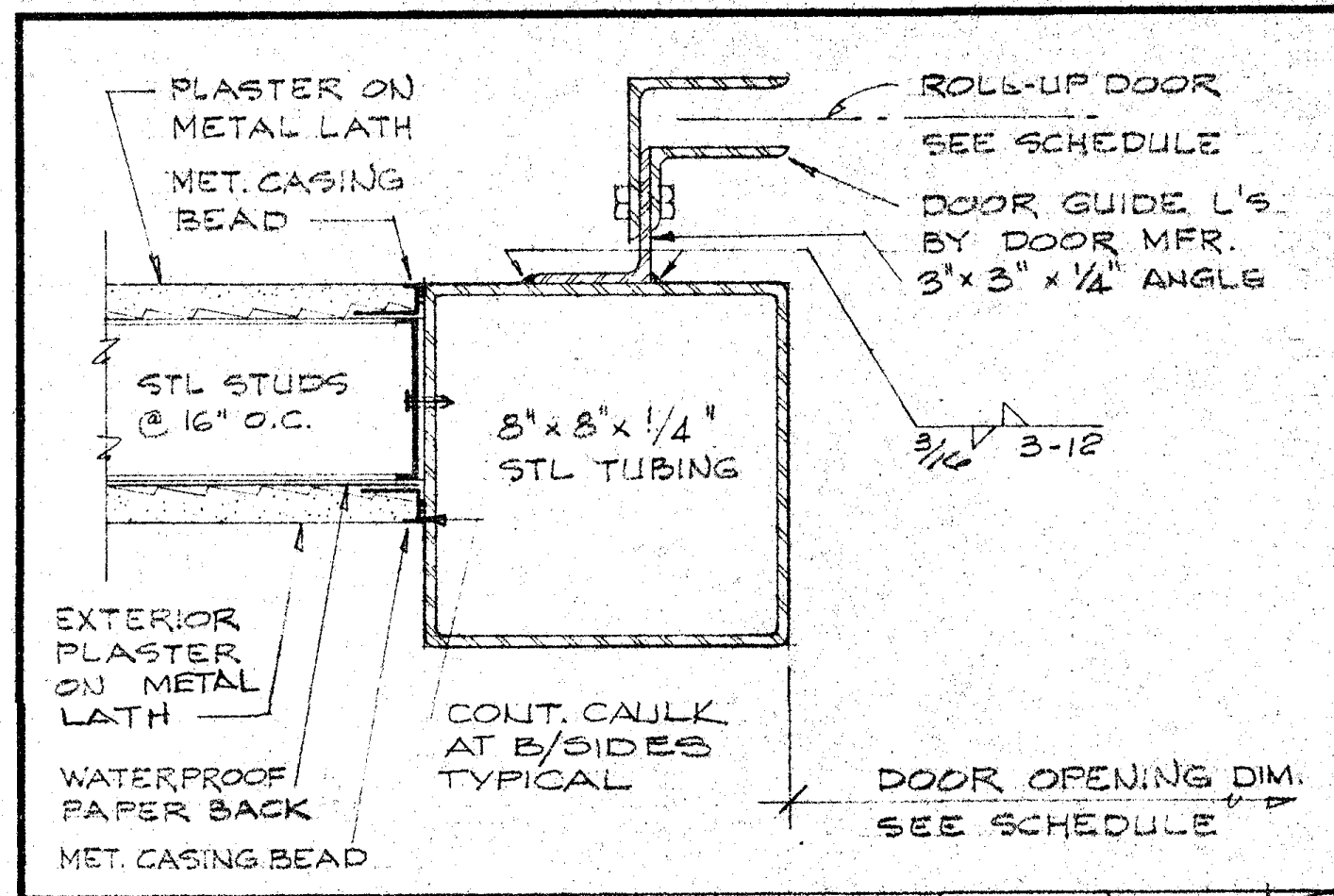
**SERVICE BUILDING**

SHEET NUMBER **A5**  
 DATE 3-6-70

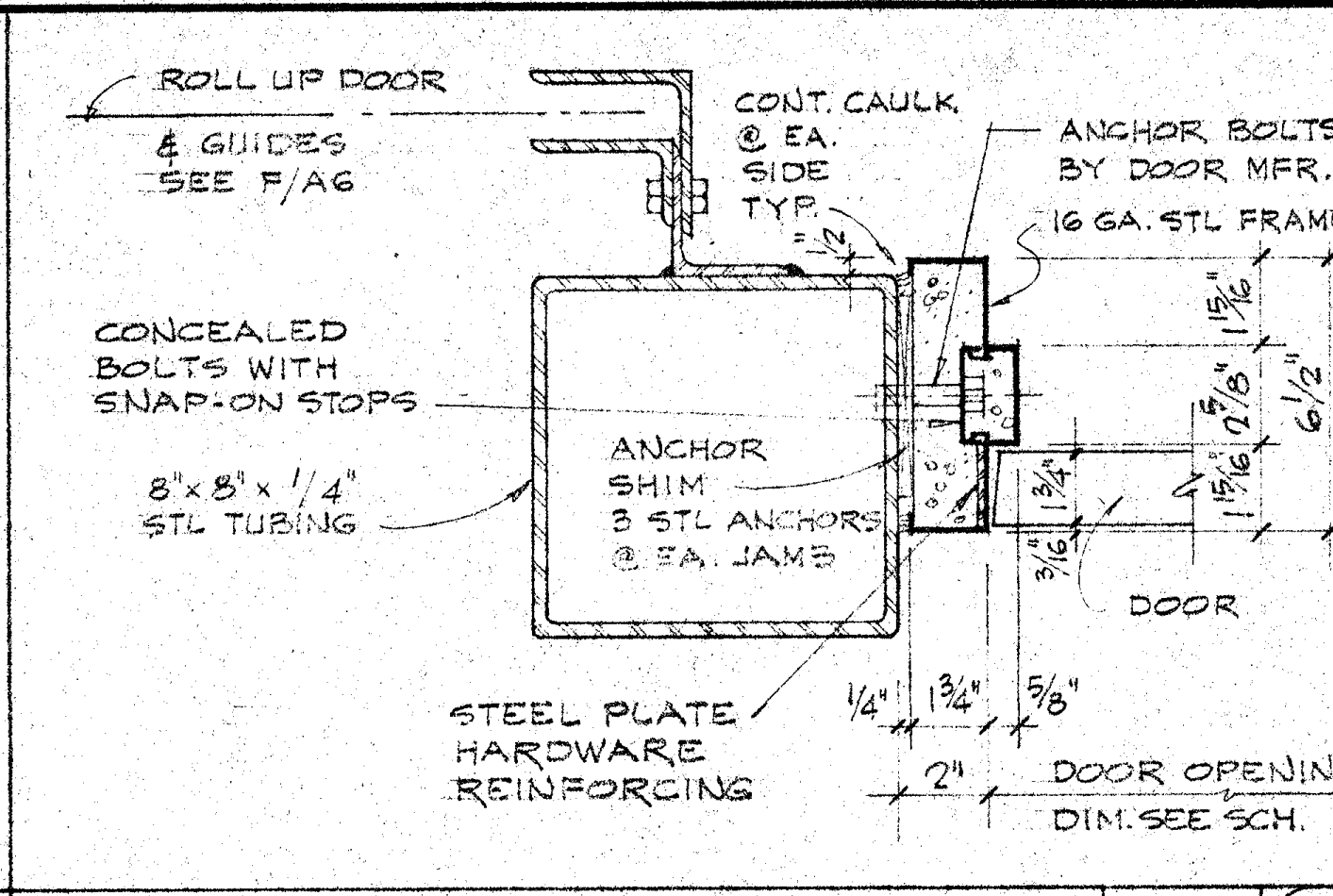
**SANTA ANA COLLEGE**  
**JUNIOR COLLEGE DISTRICT**  
 1530 WEST SEVENTEENTH STREET  
 SANTA ANA, CALIFORNIA

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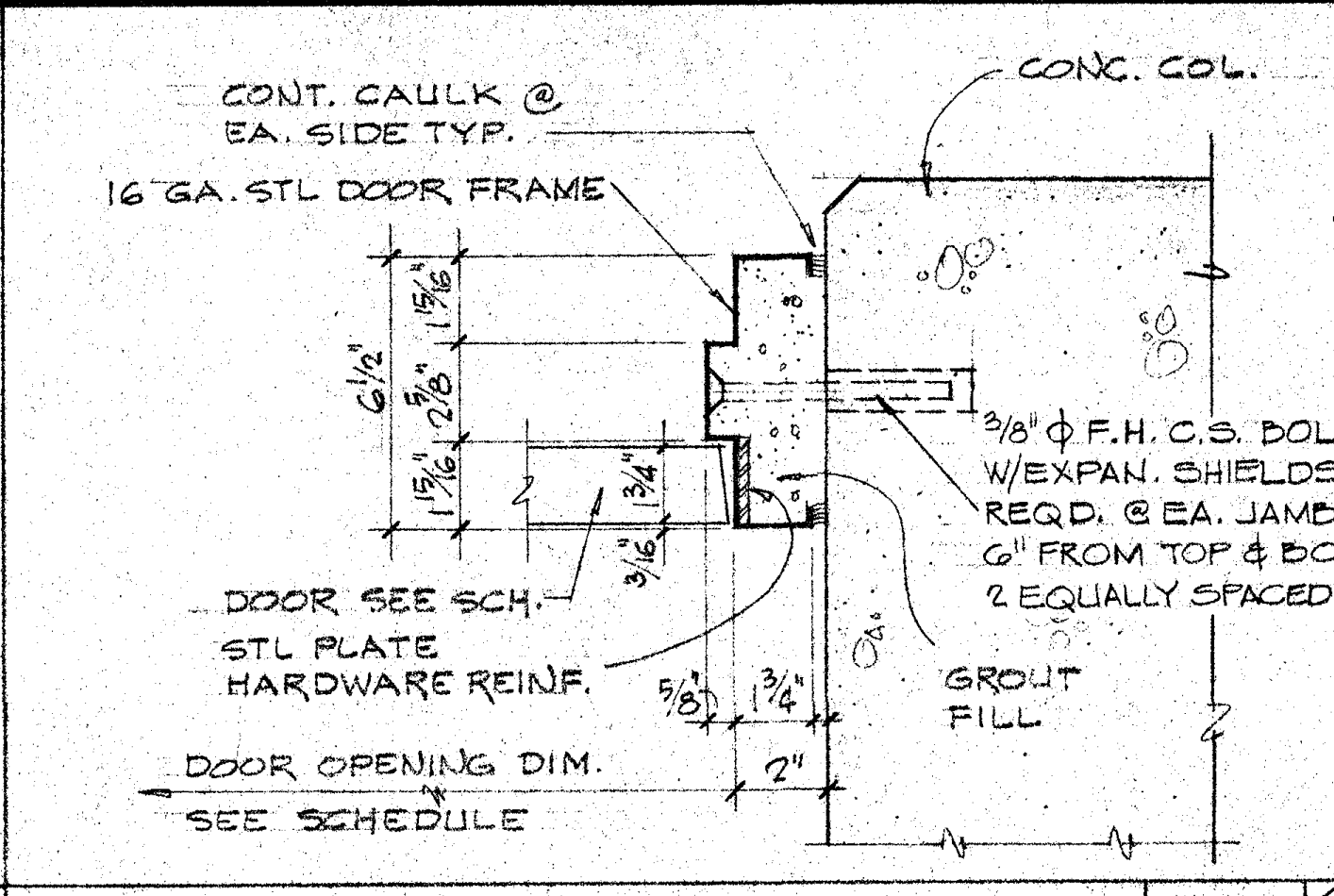
508 north main street, santa ana 835-2311



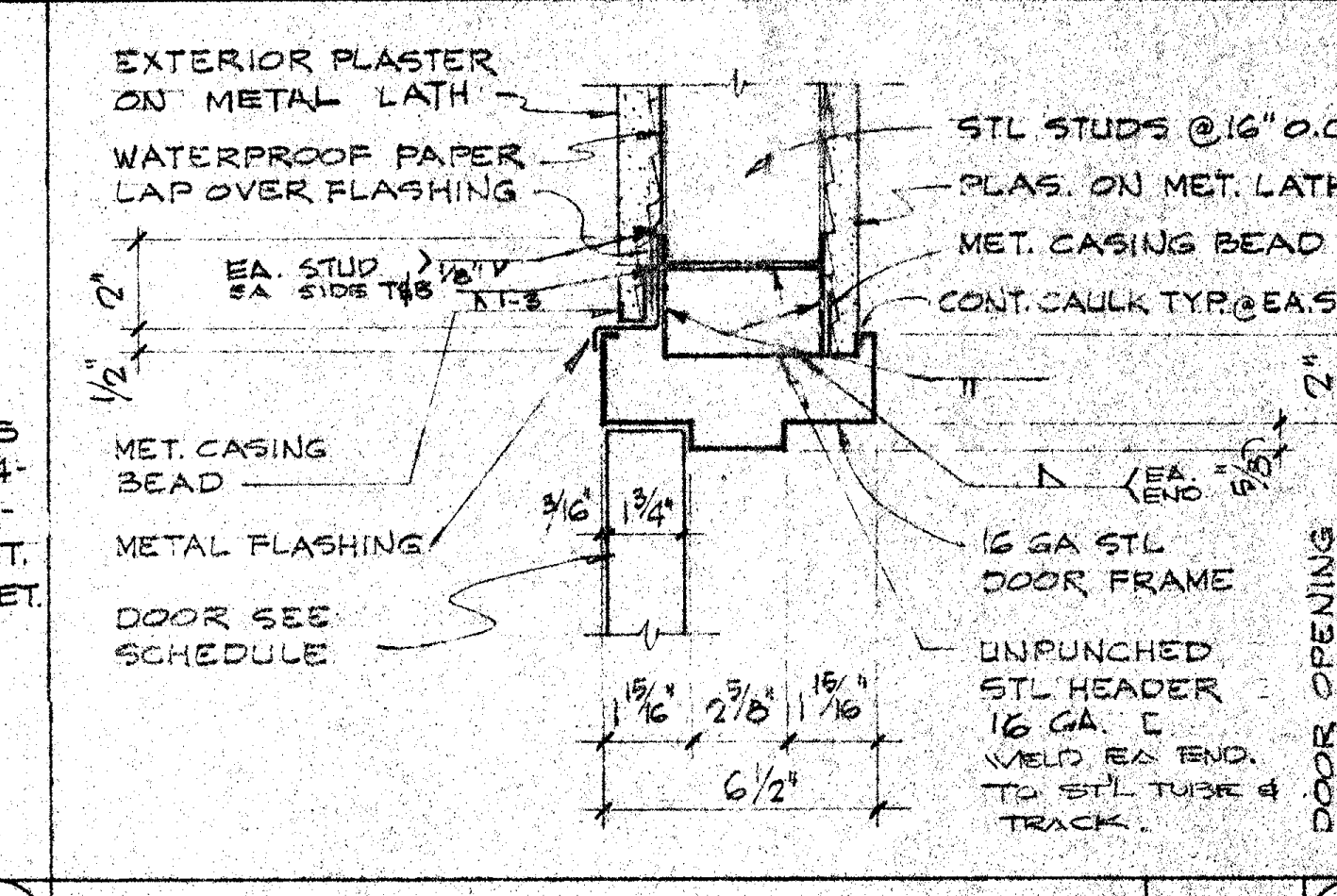
**JAMB** SCALE 3/4"=1'-0" **F**



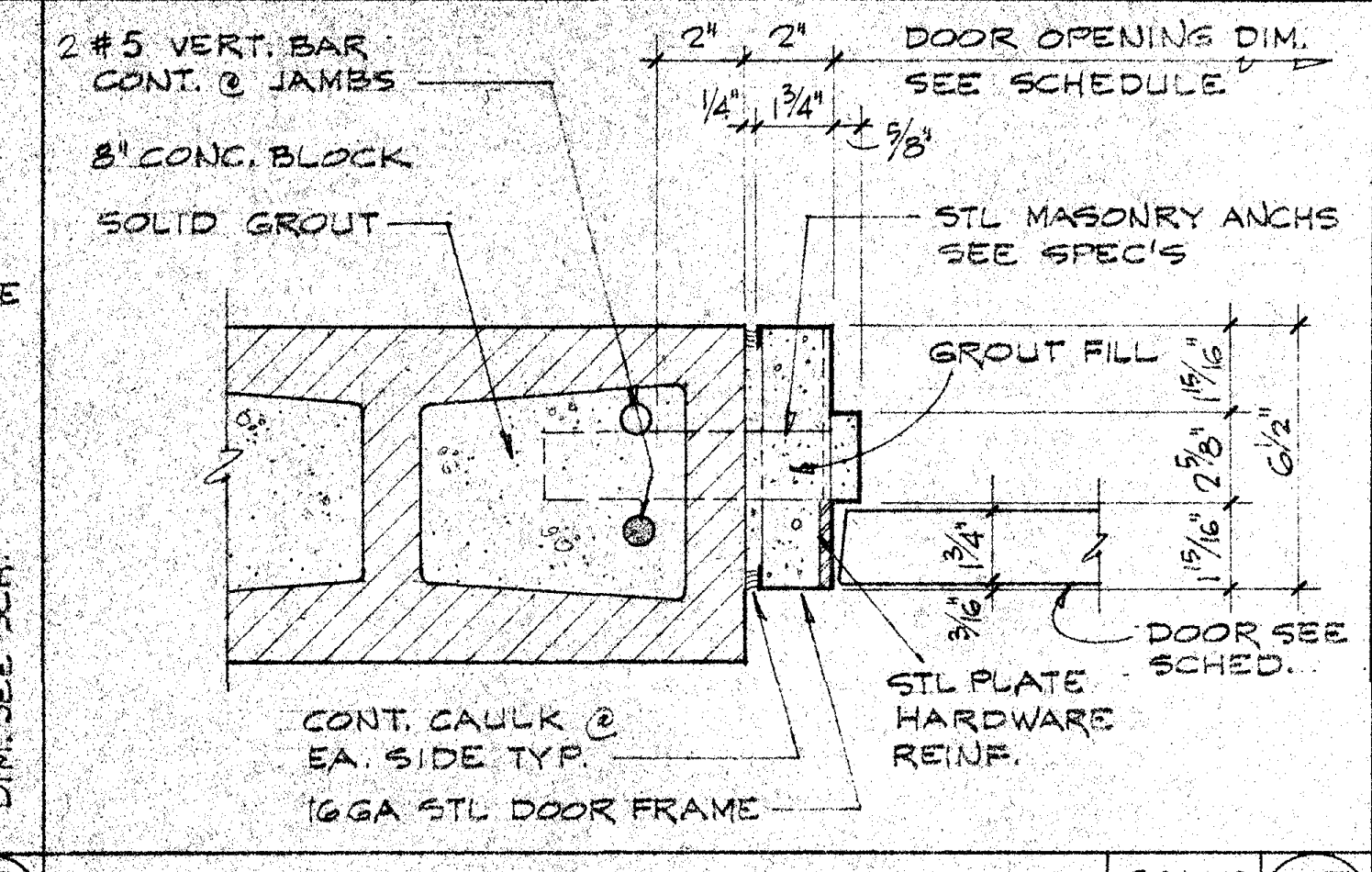
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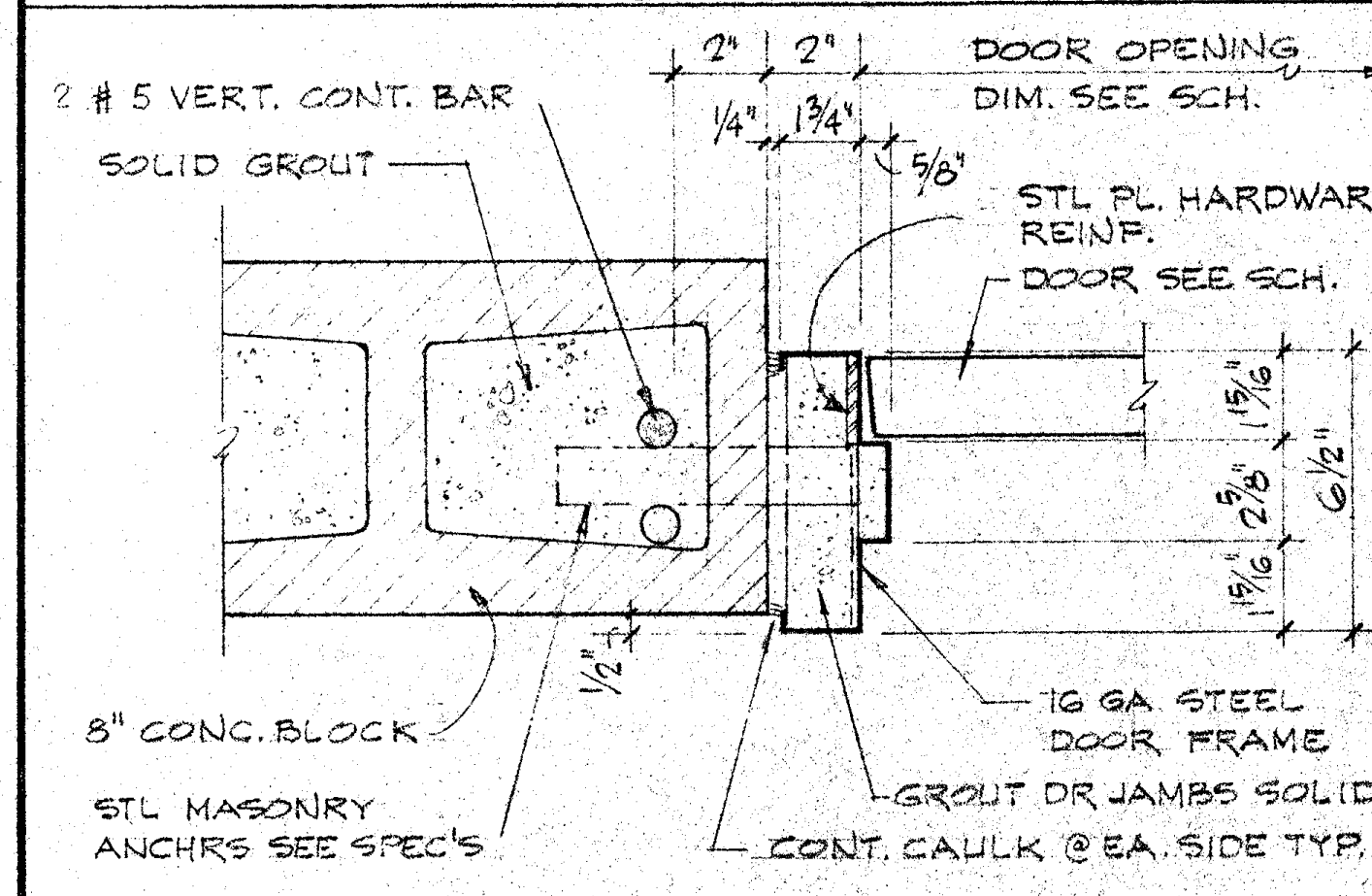
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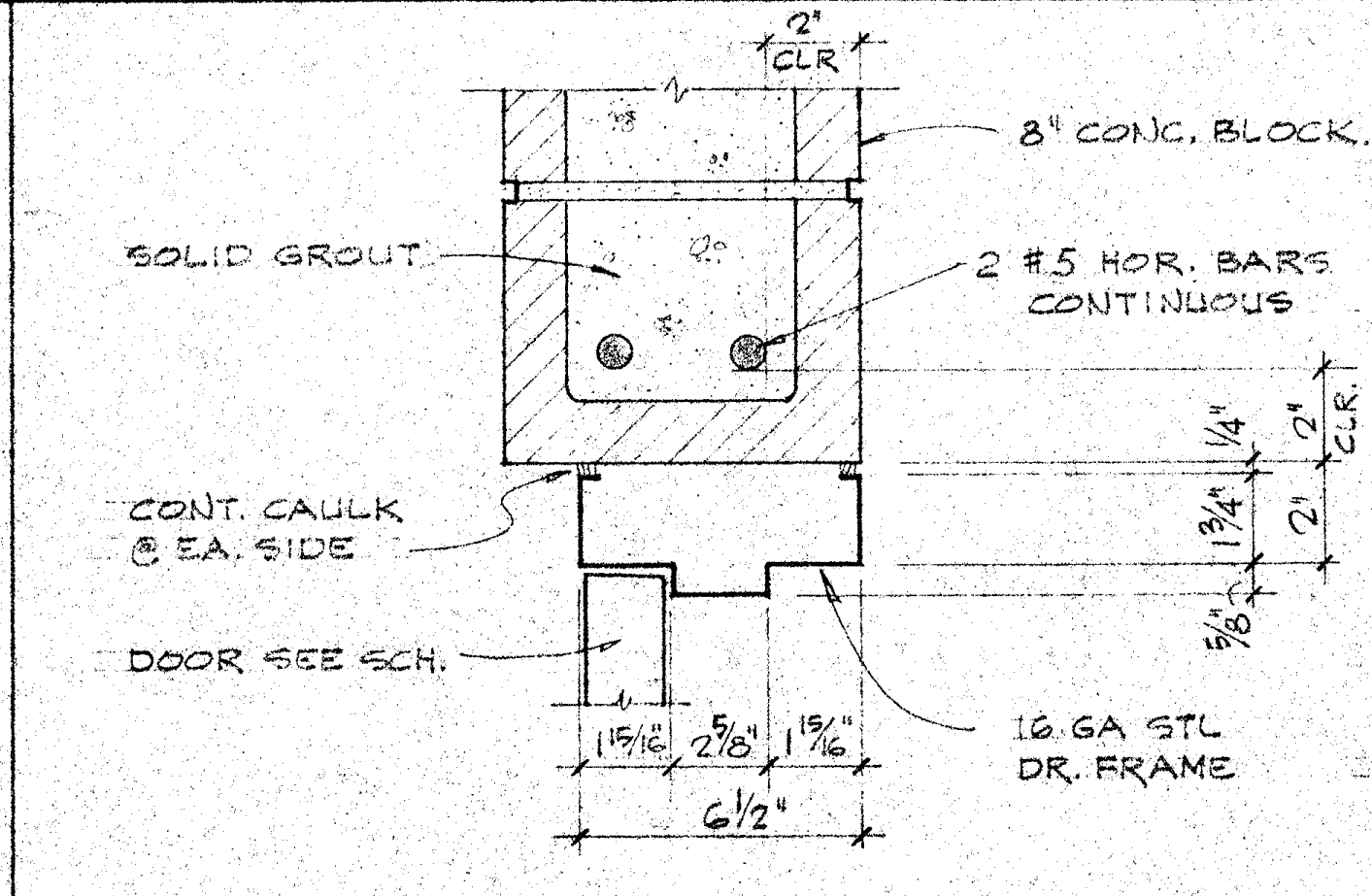
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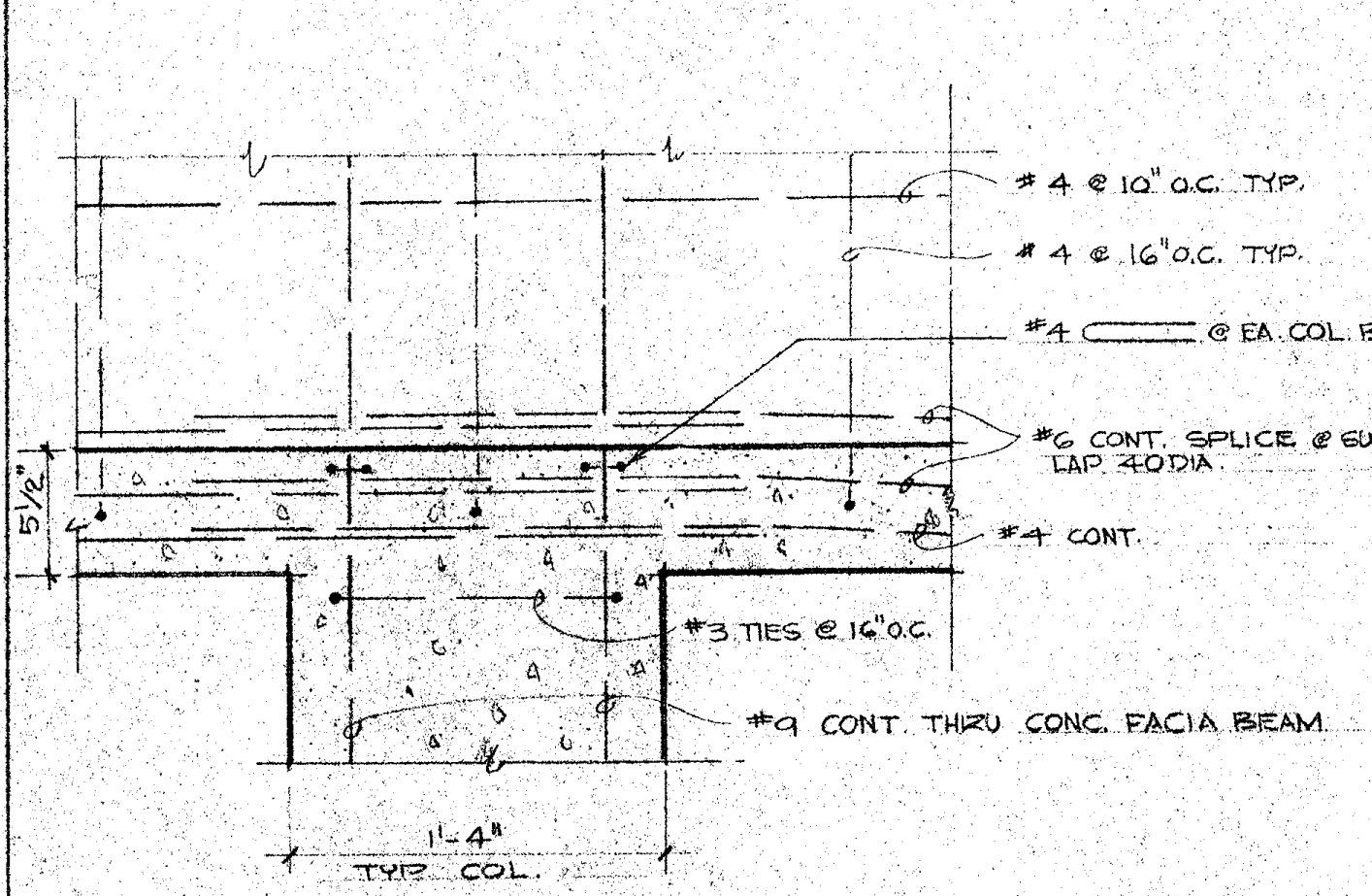
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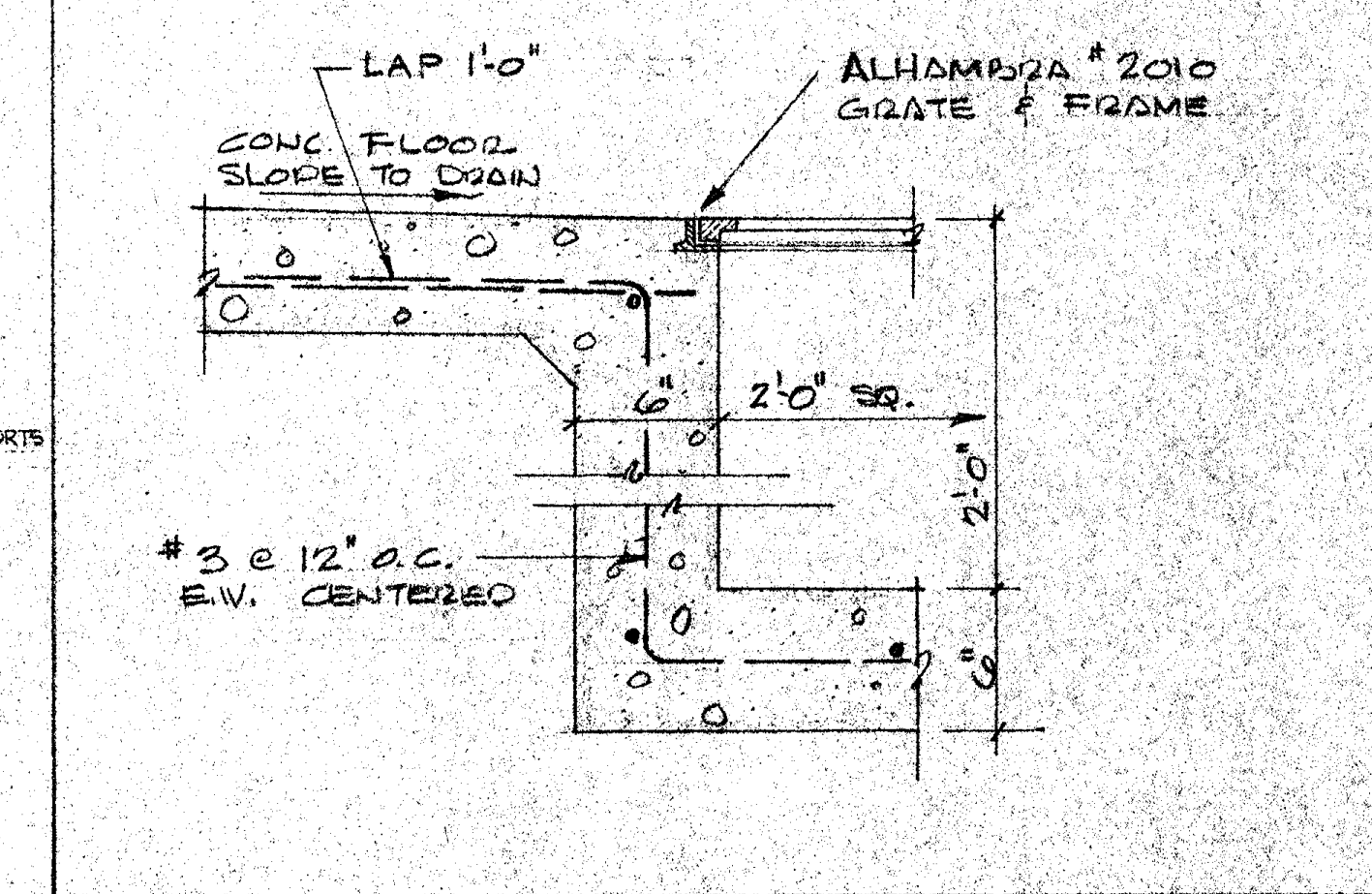
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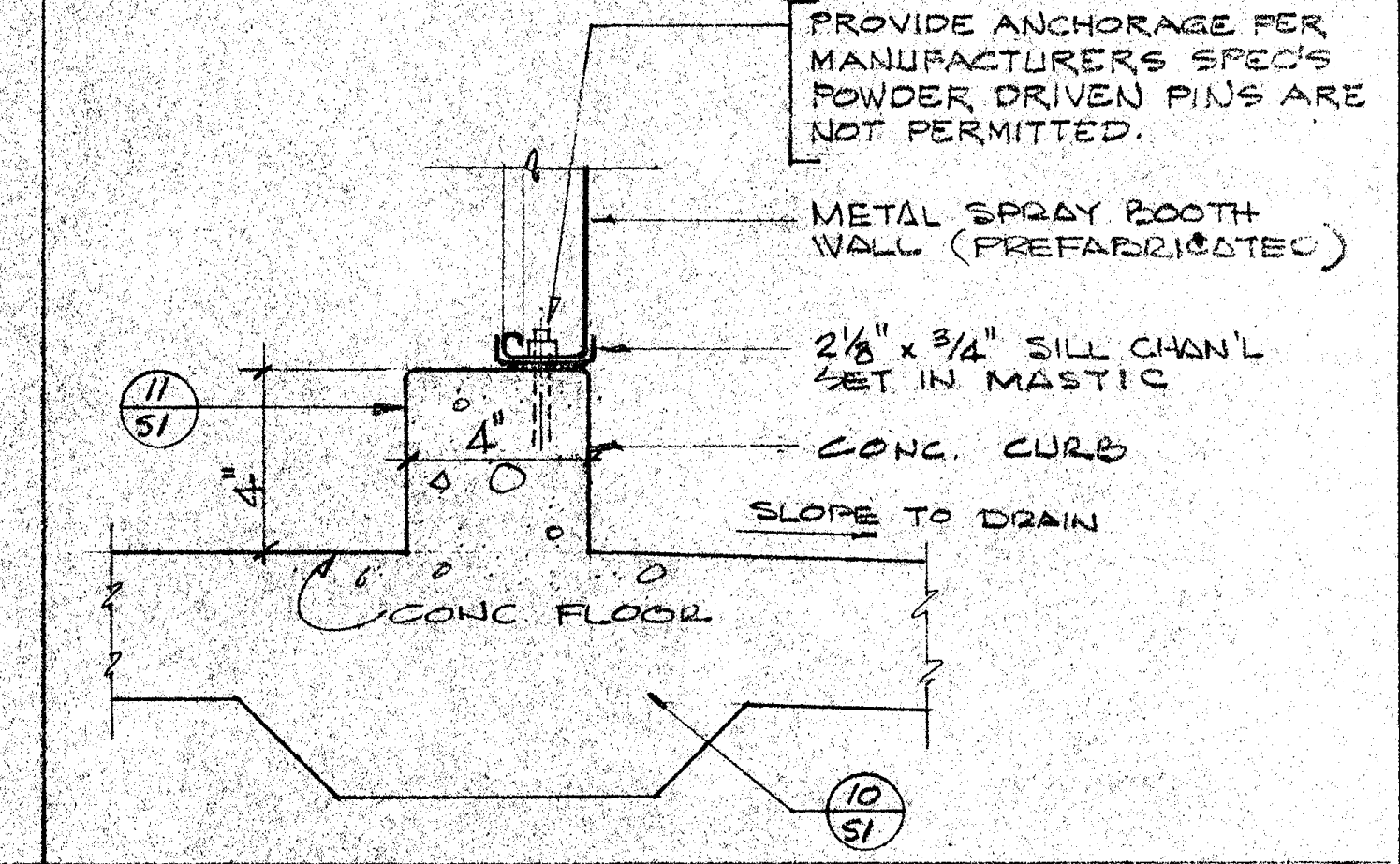
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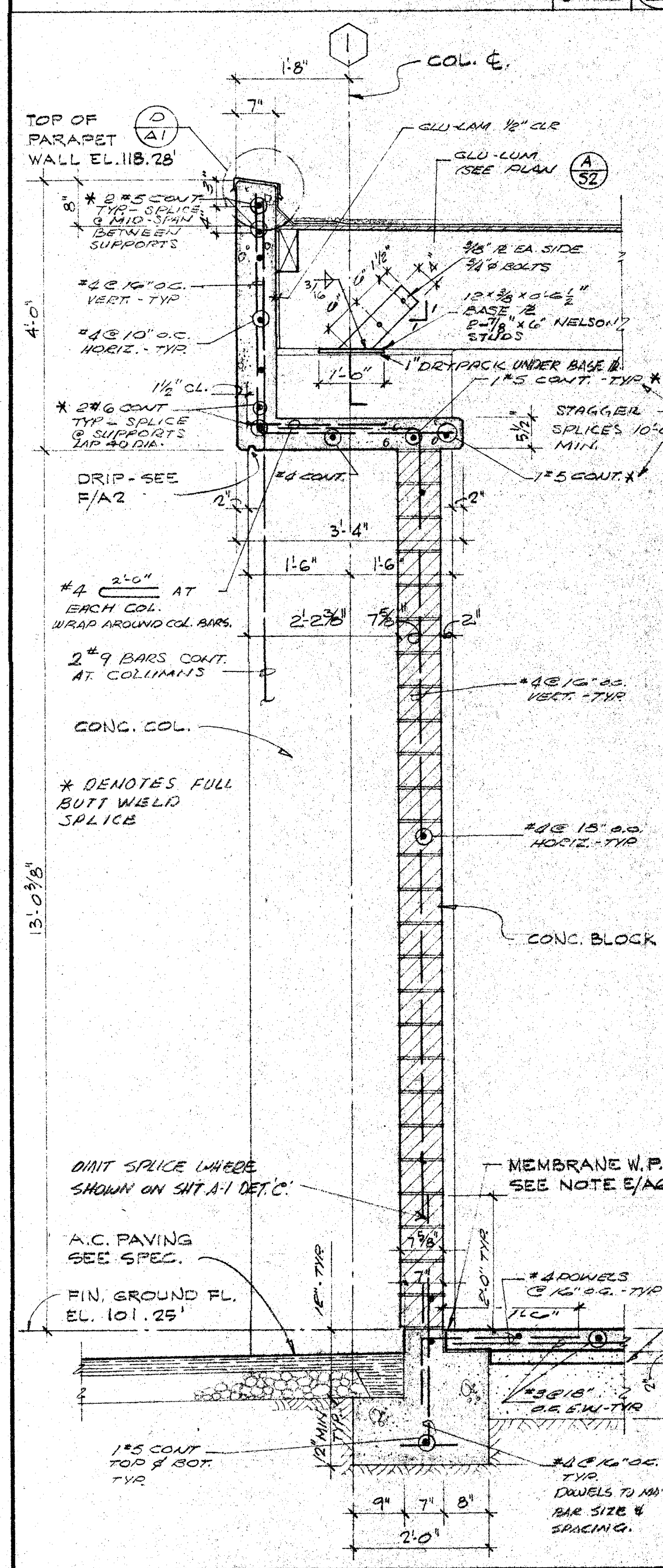
**COL. CONN.** SCALE 1/2"=1'-0" **N**



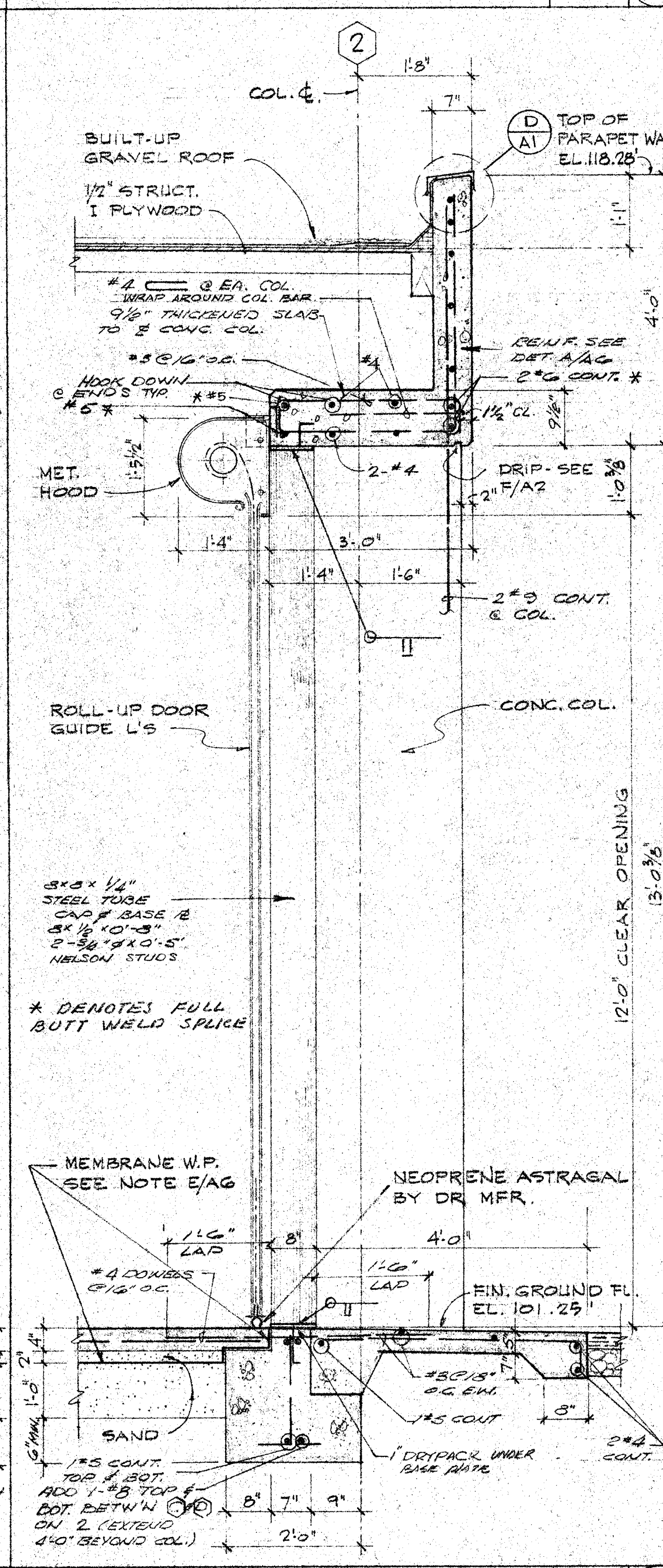
**FLOOR DRAIN** SCALE 1/2"=1'-0" **O**



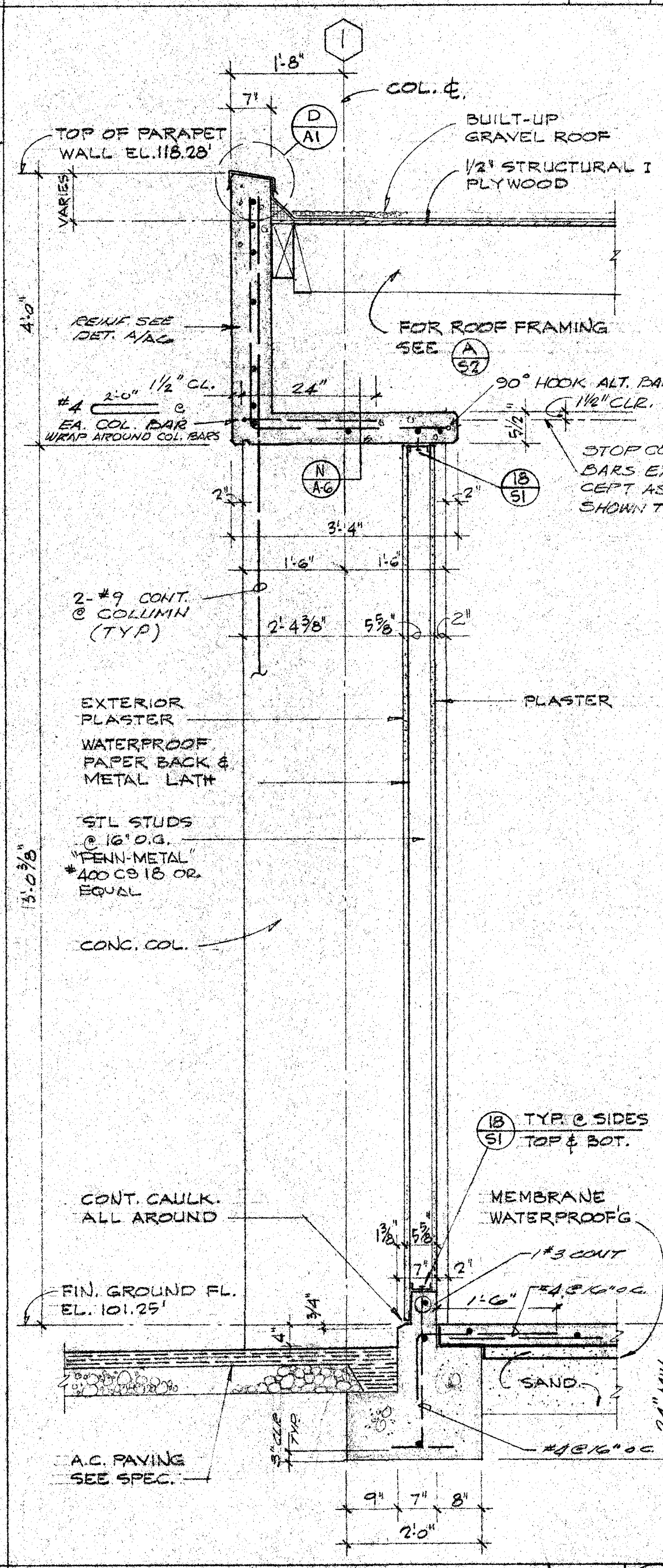
**CURB** SCALE 3/4"=1'-0" **P**



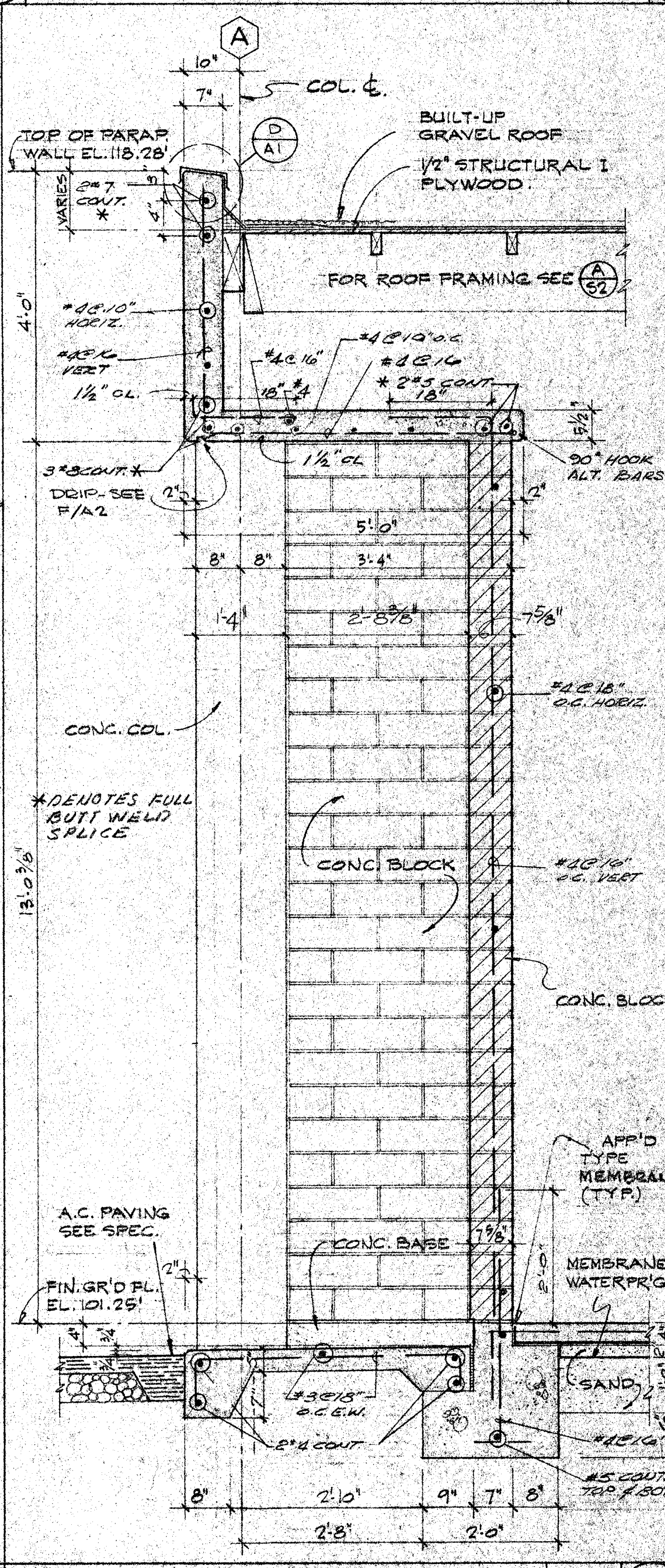
**WALL SECTION** SCALE 3/4"=1'-0" **A**



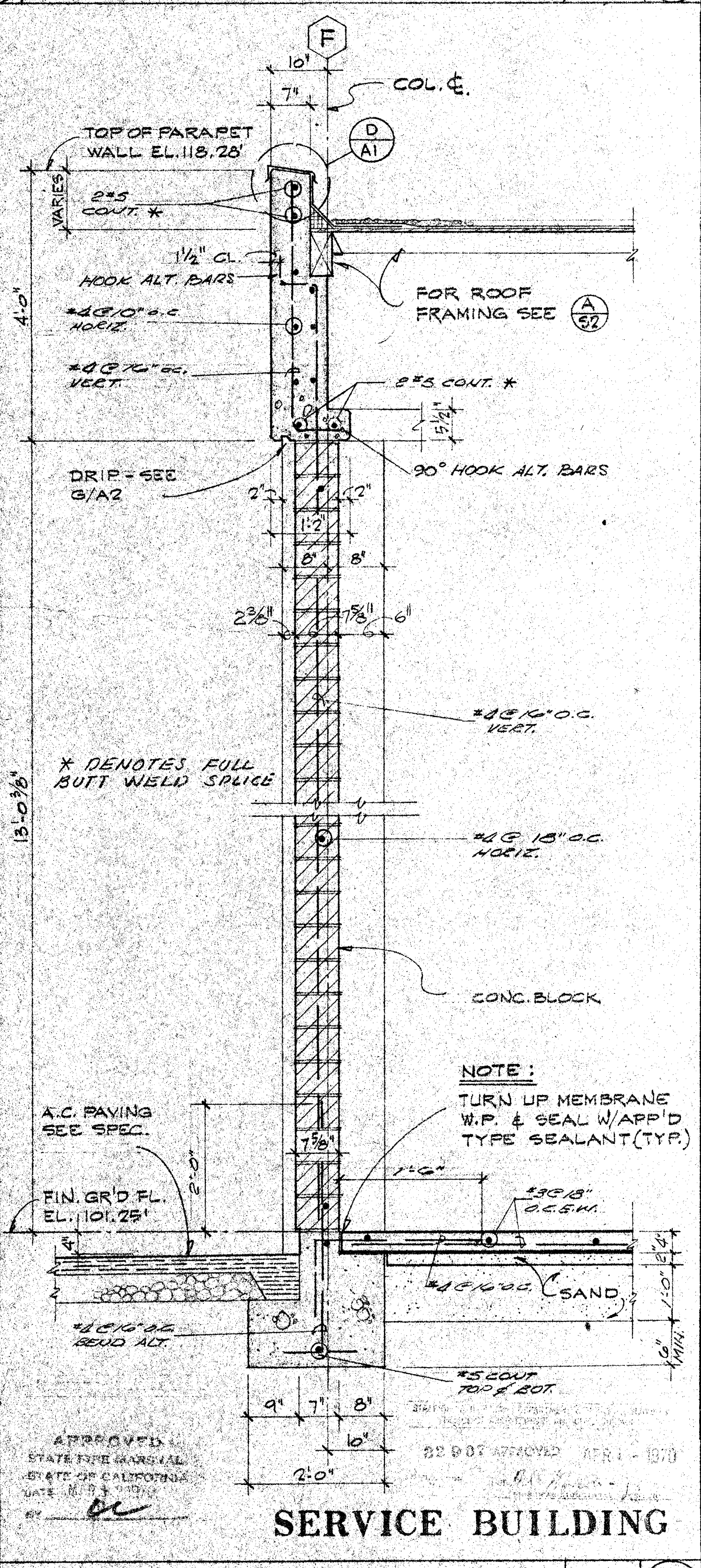
**WALL SECTION** SCALE 3/4"=1'-0" **B**



**WALL SECTION** SCALE 3/4"=1'-0" **C**



**WALL SECTION** SCALE 3/4"=1'-0" **D**



**WALL SECTION** SCALE 3/4"=1'-0" **E**

**SANTA ANA COLLEGE DISTRICT**  
**JUNIOR SANTA ANA COLLEGE**  
 1550 WEST SEVENTEENTH STREET SANTA ANA, CALIFORNIA

**GRILLIAS • SAVAGE • ALVES**  
 architecture planning

508 north main street, santa ana 92701-2311

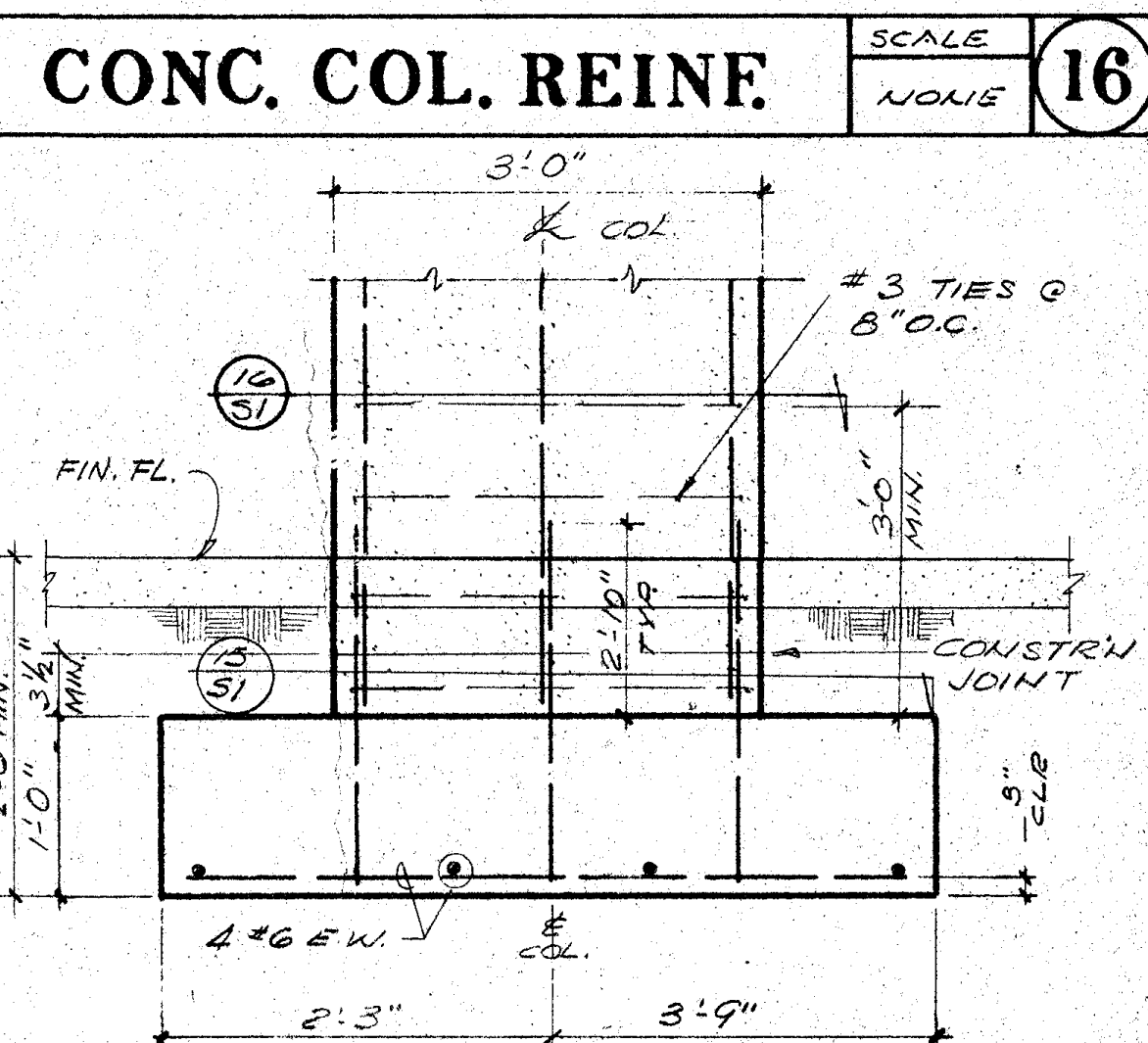
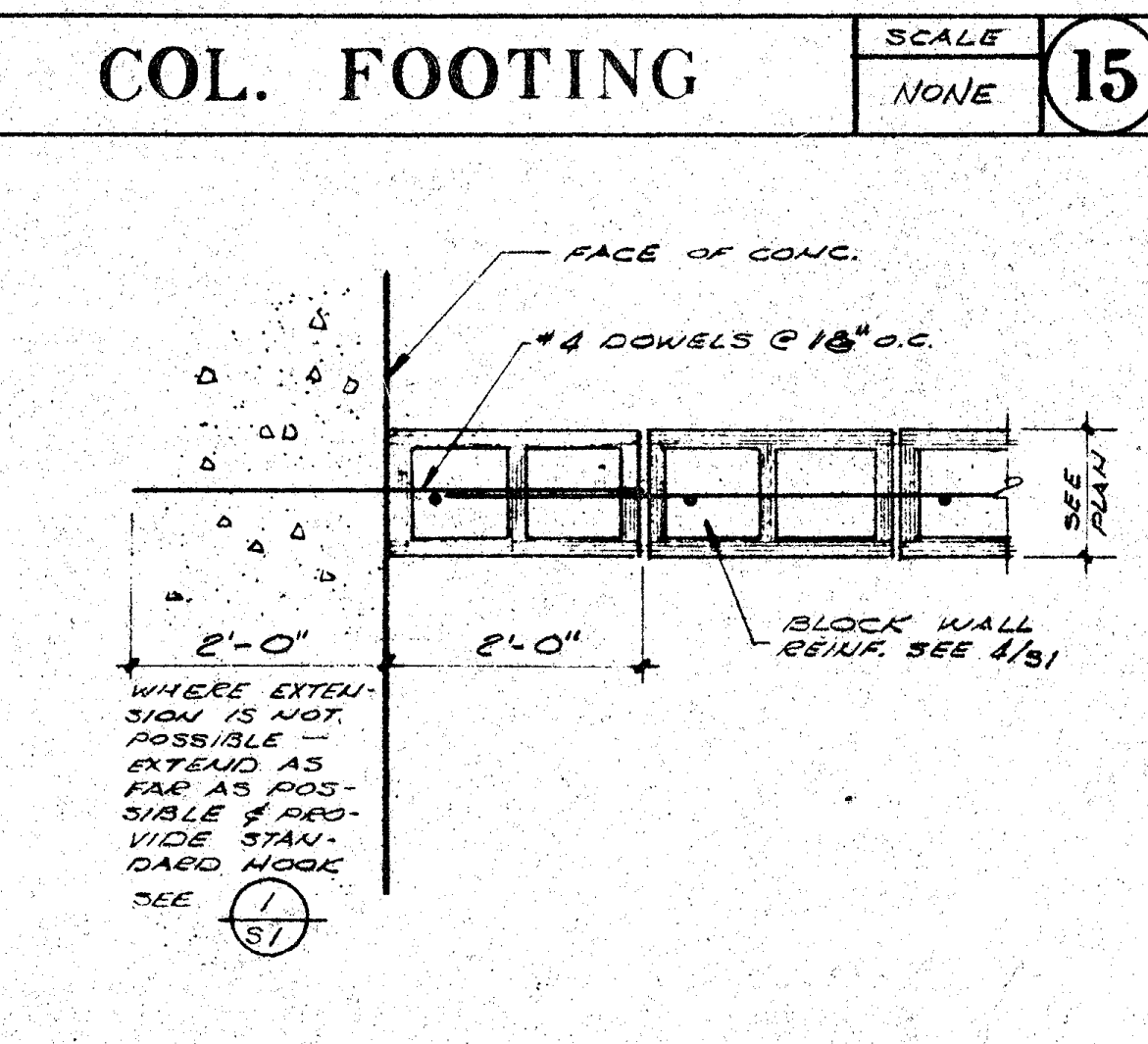
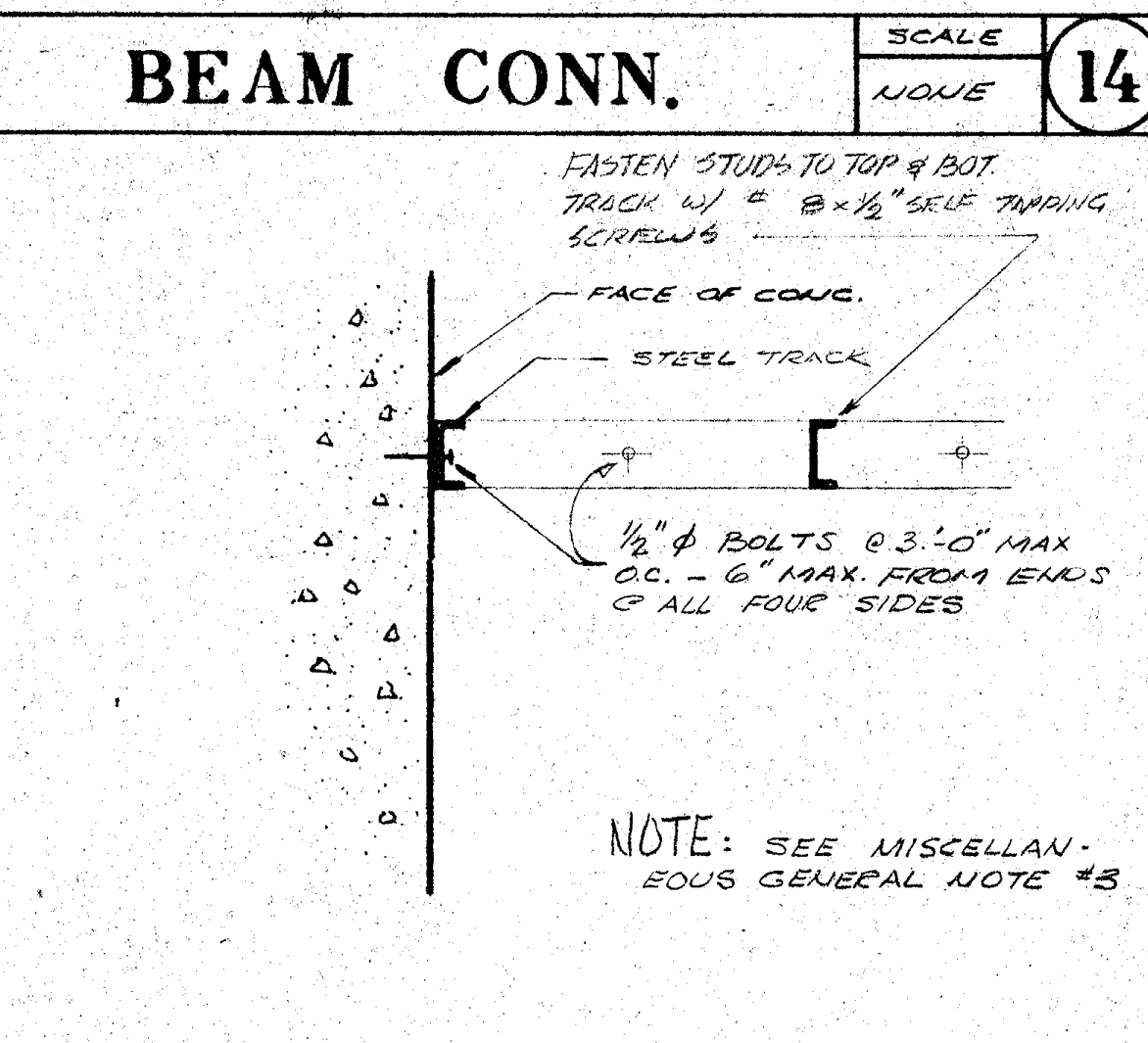
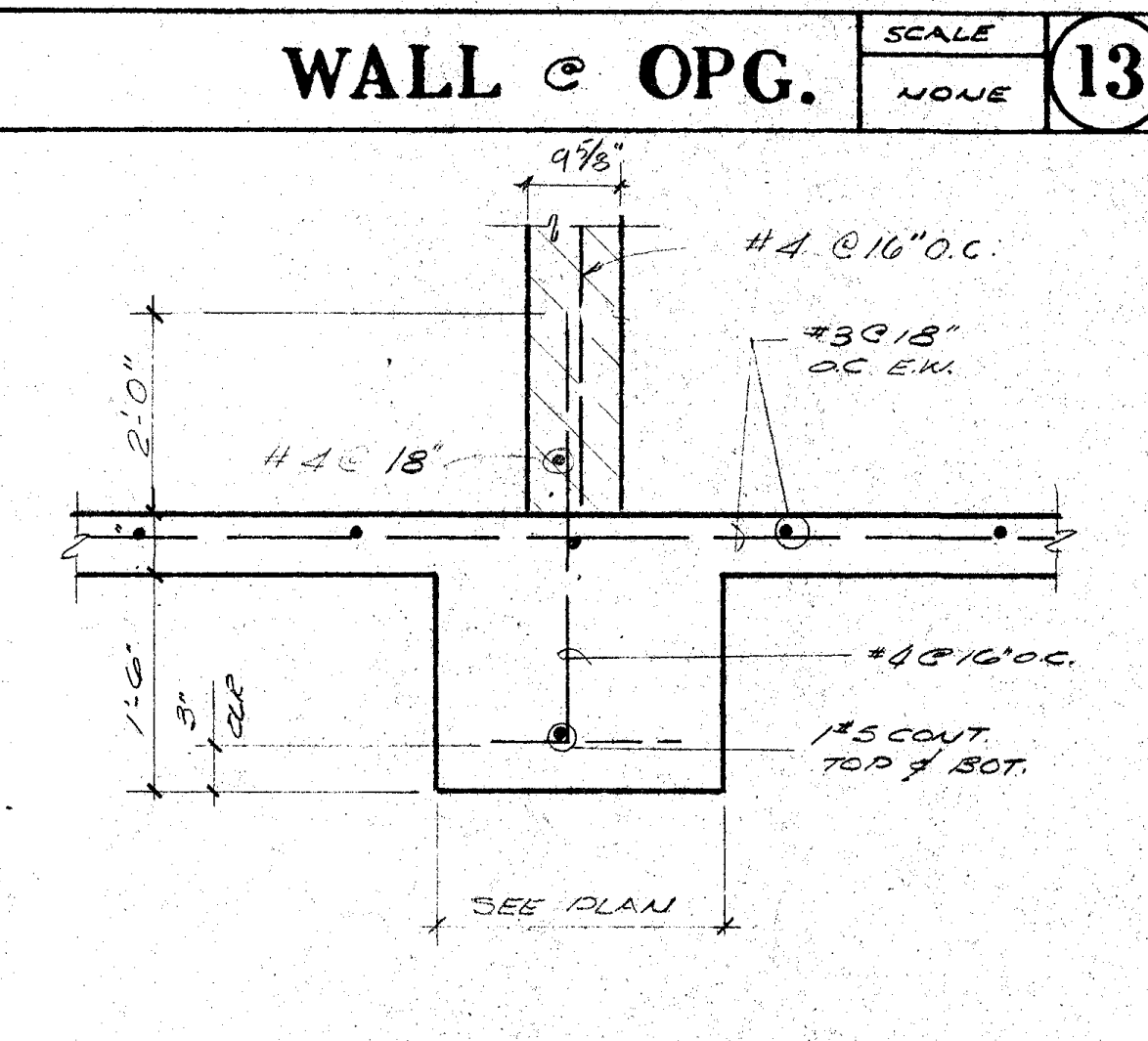
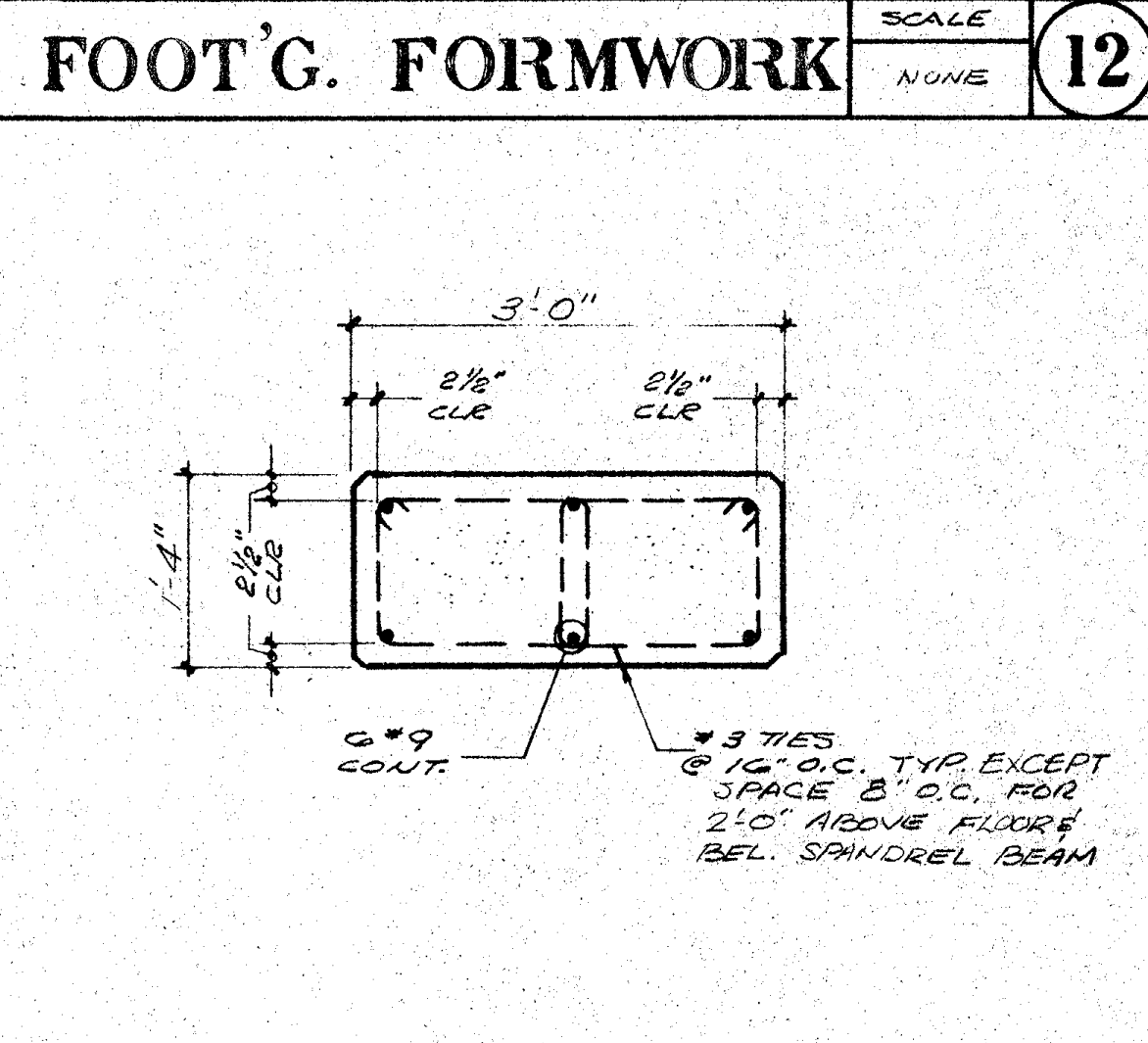
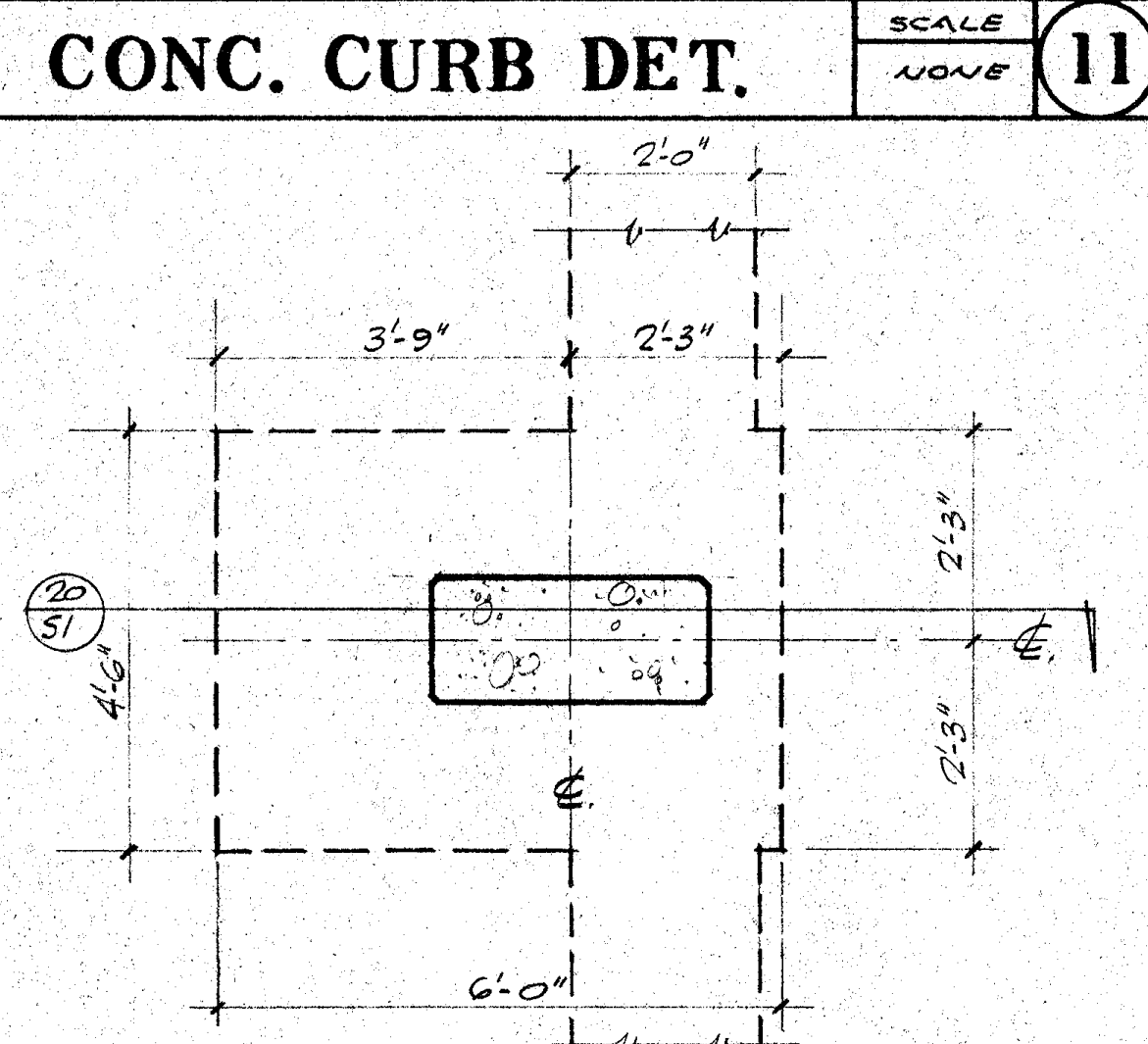
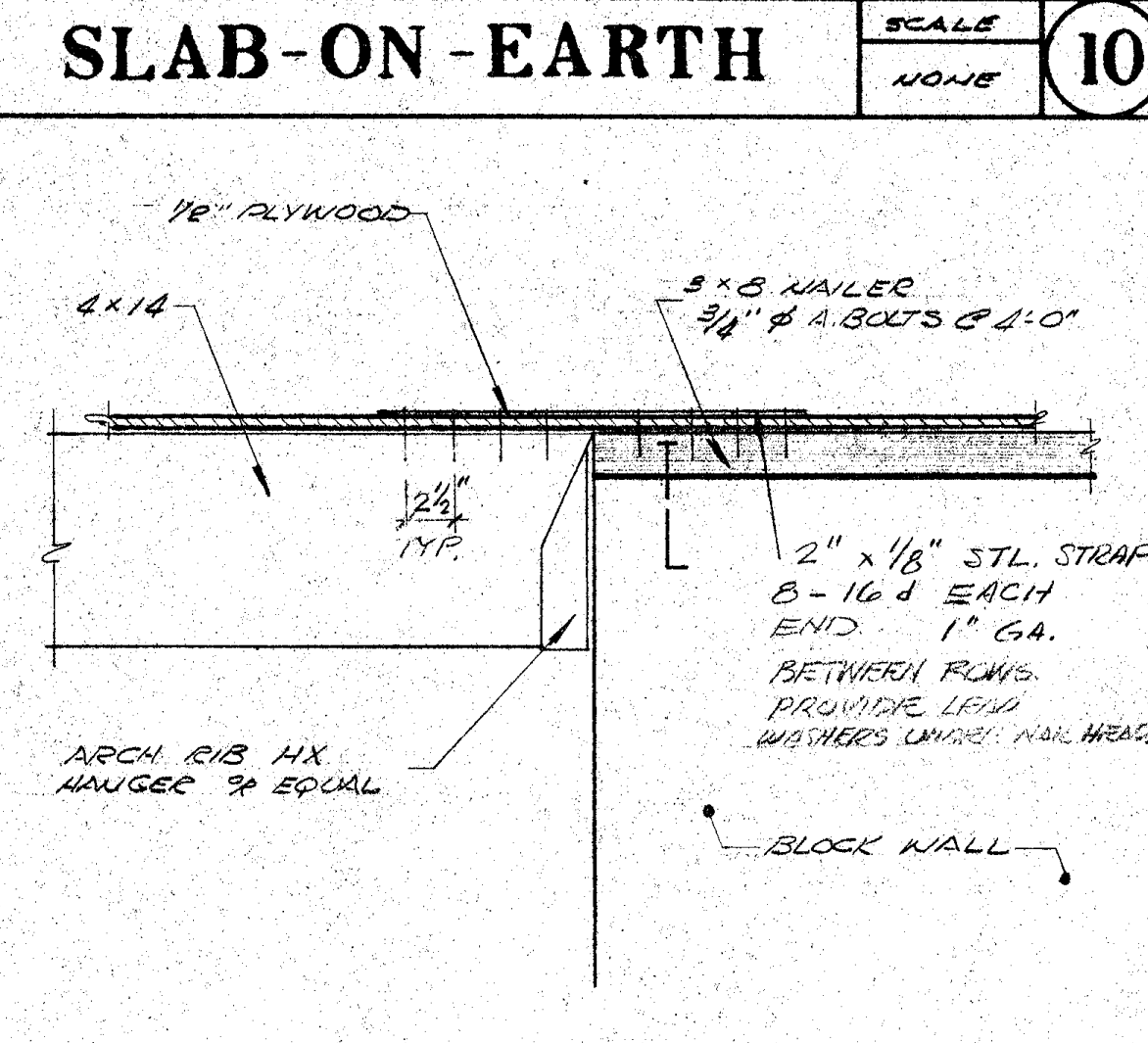
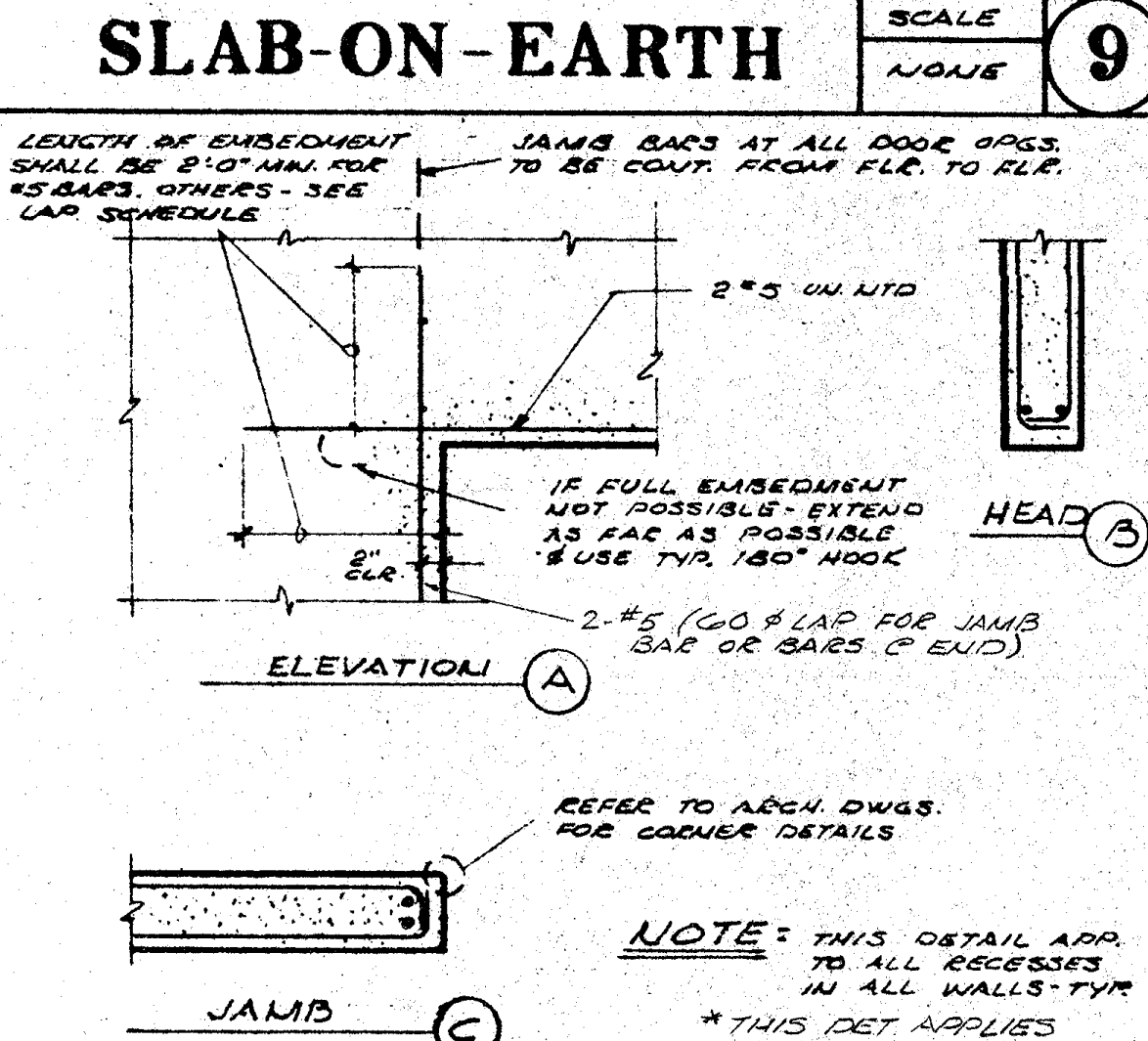
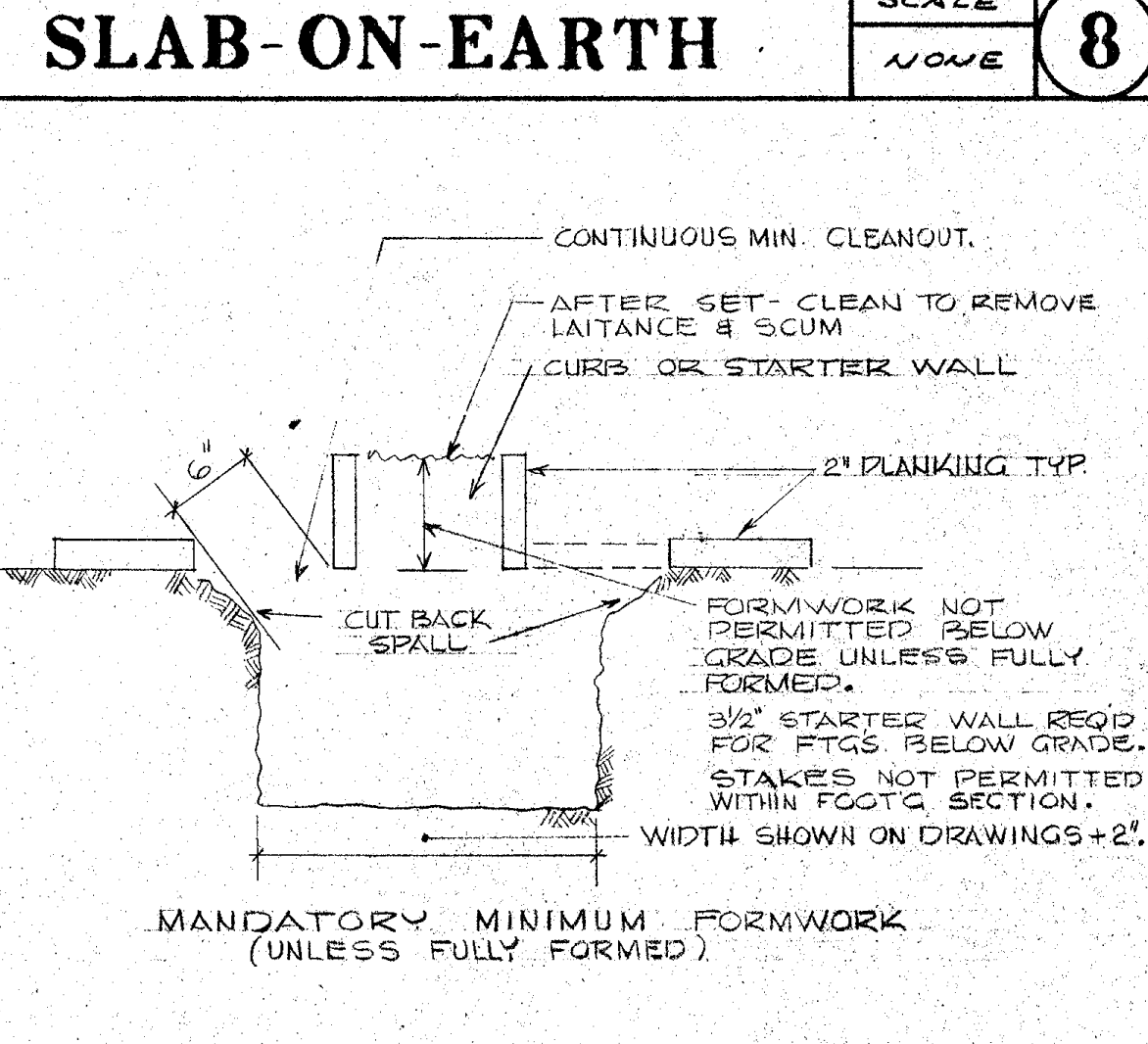
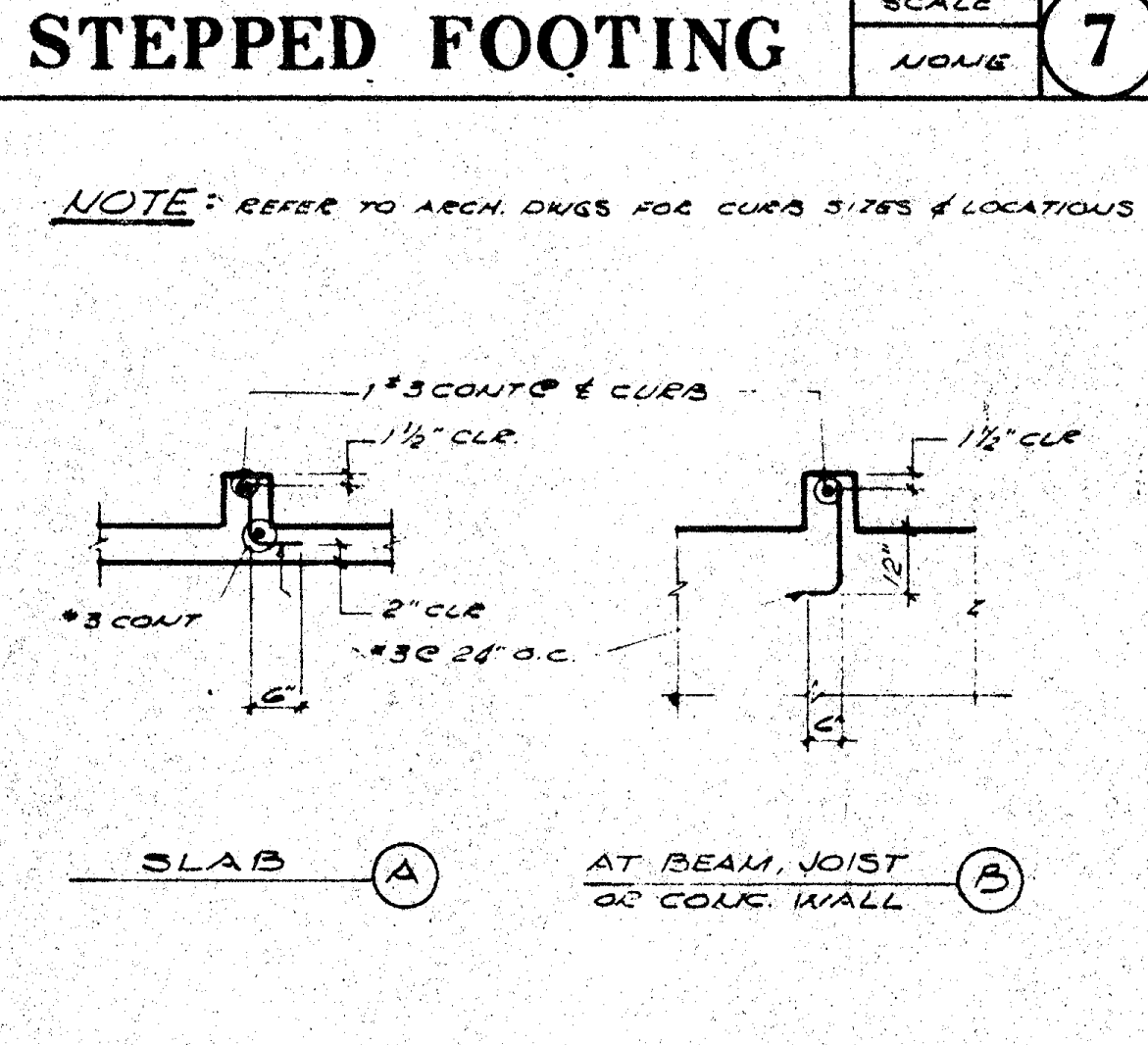
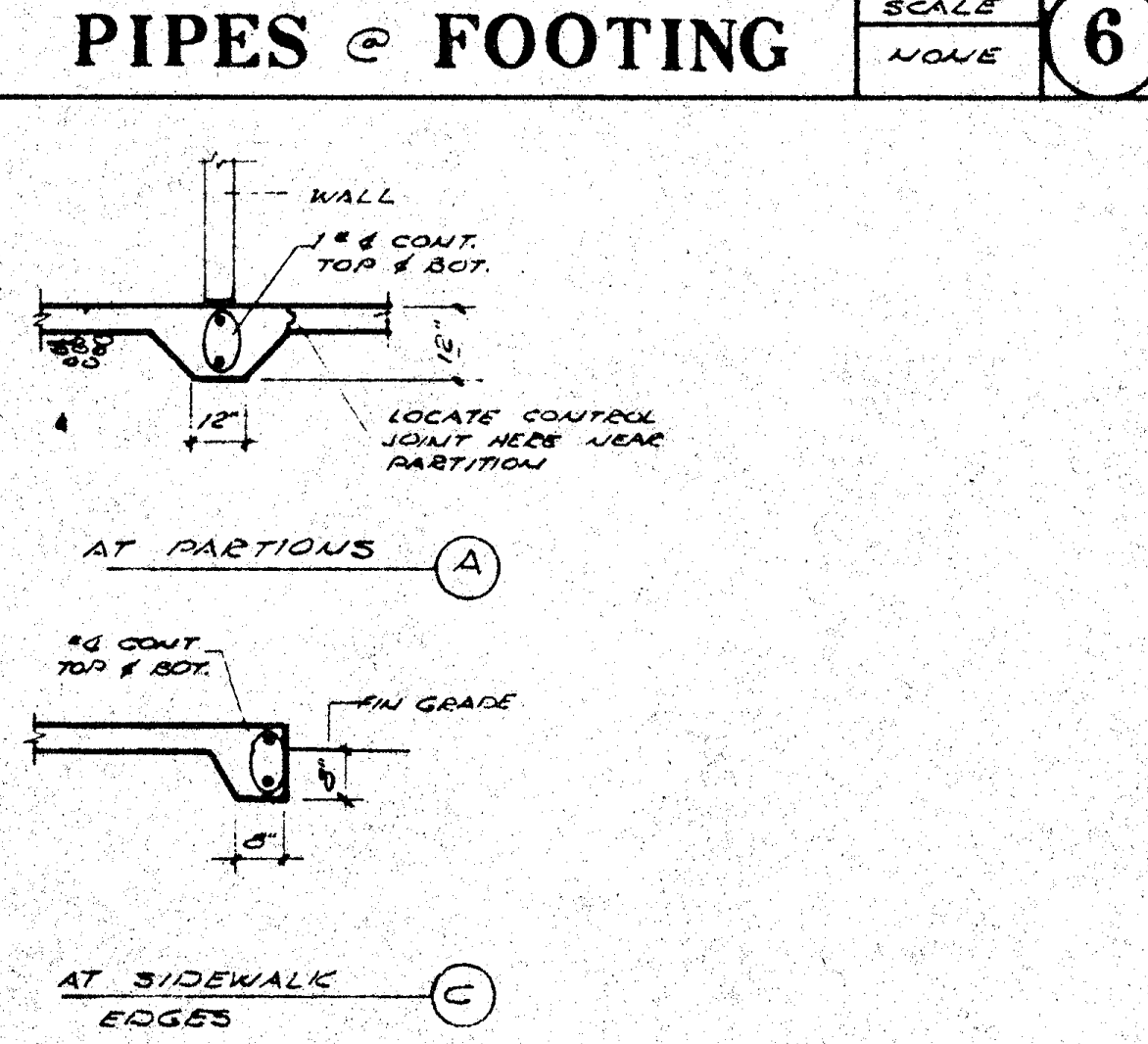
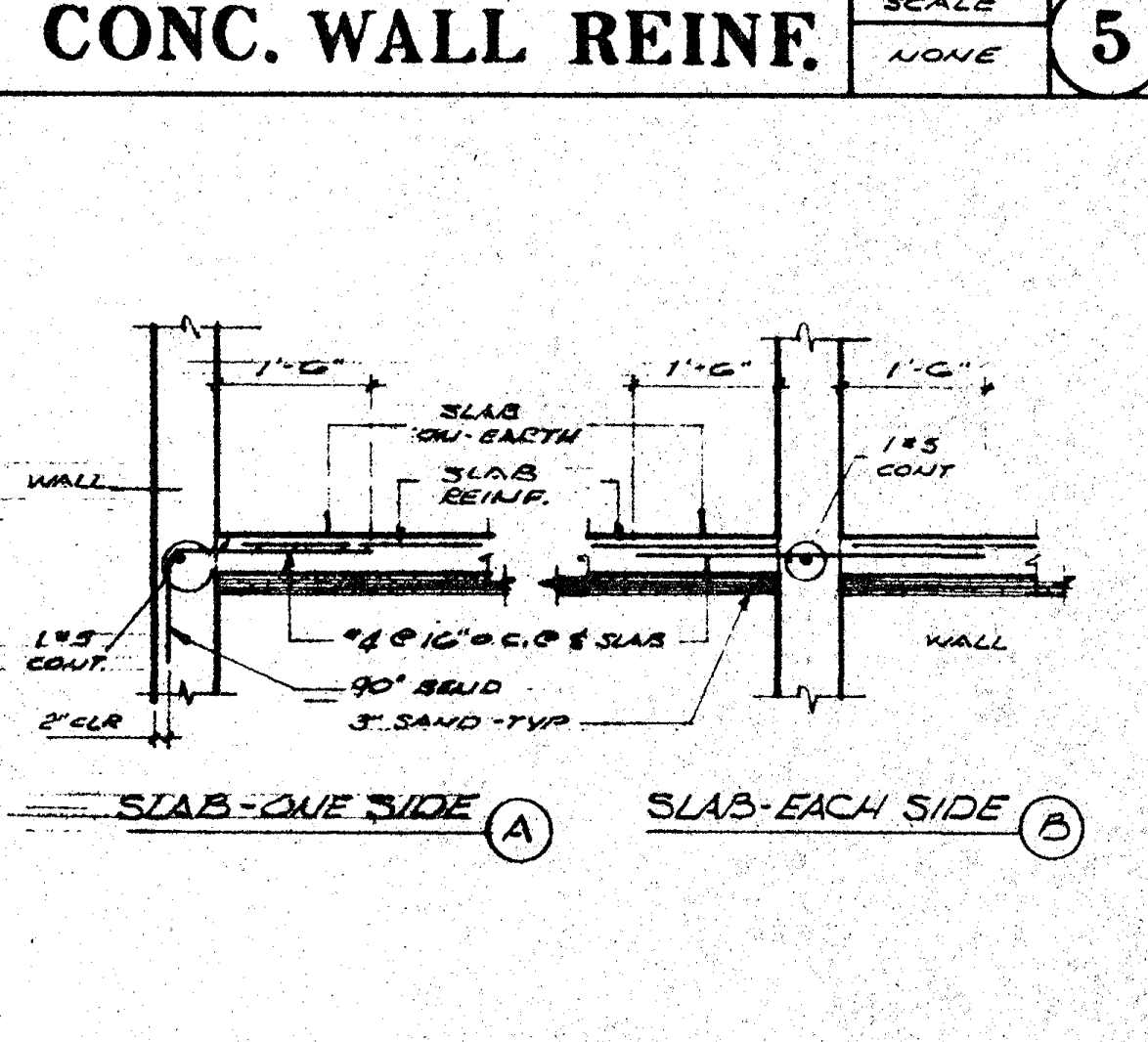
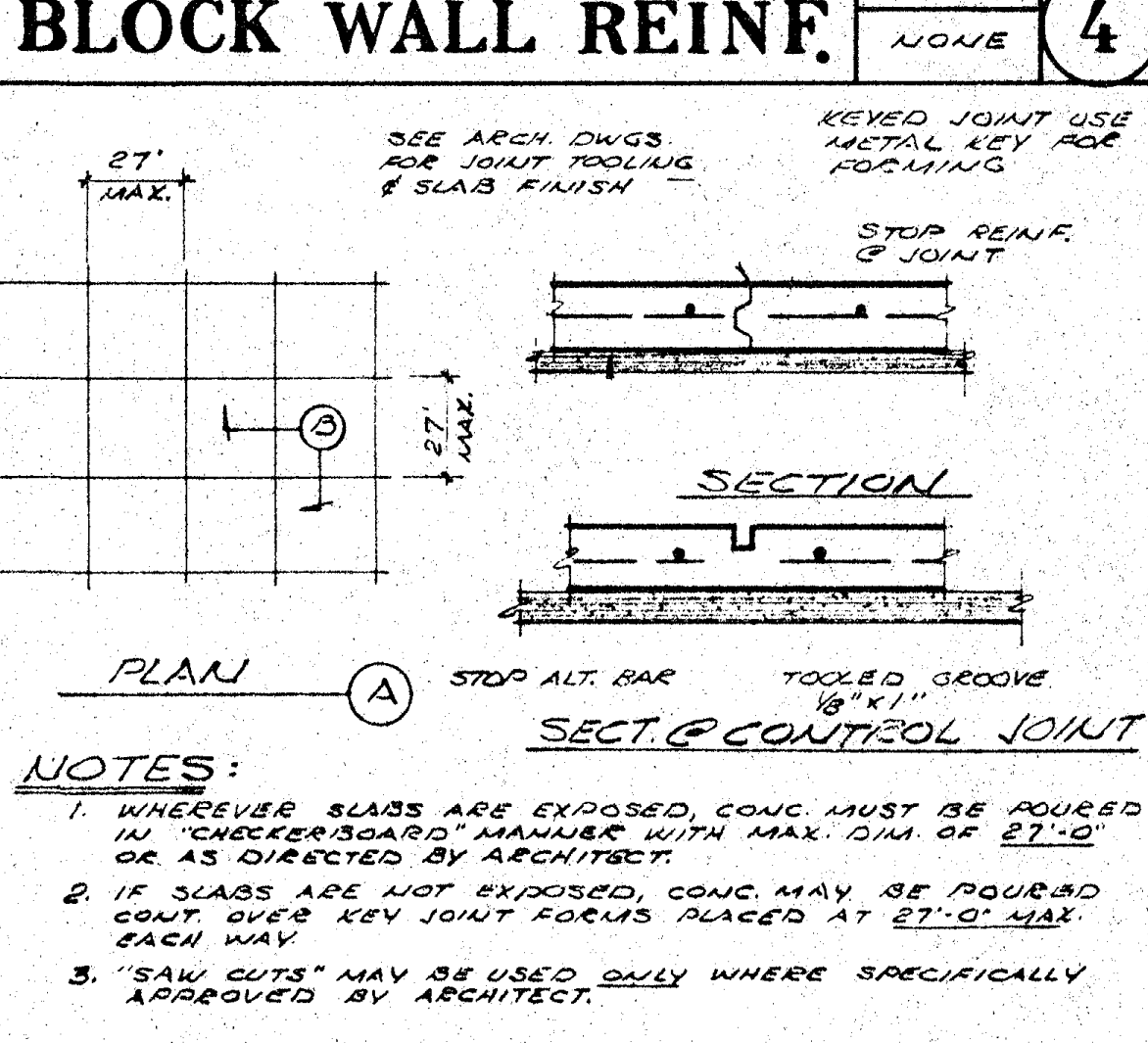
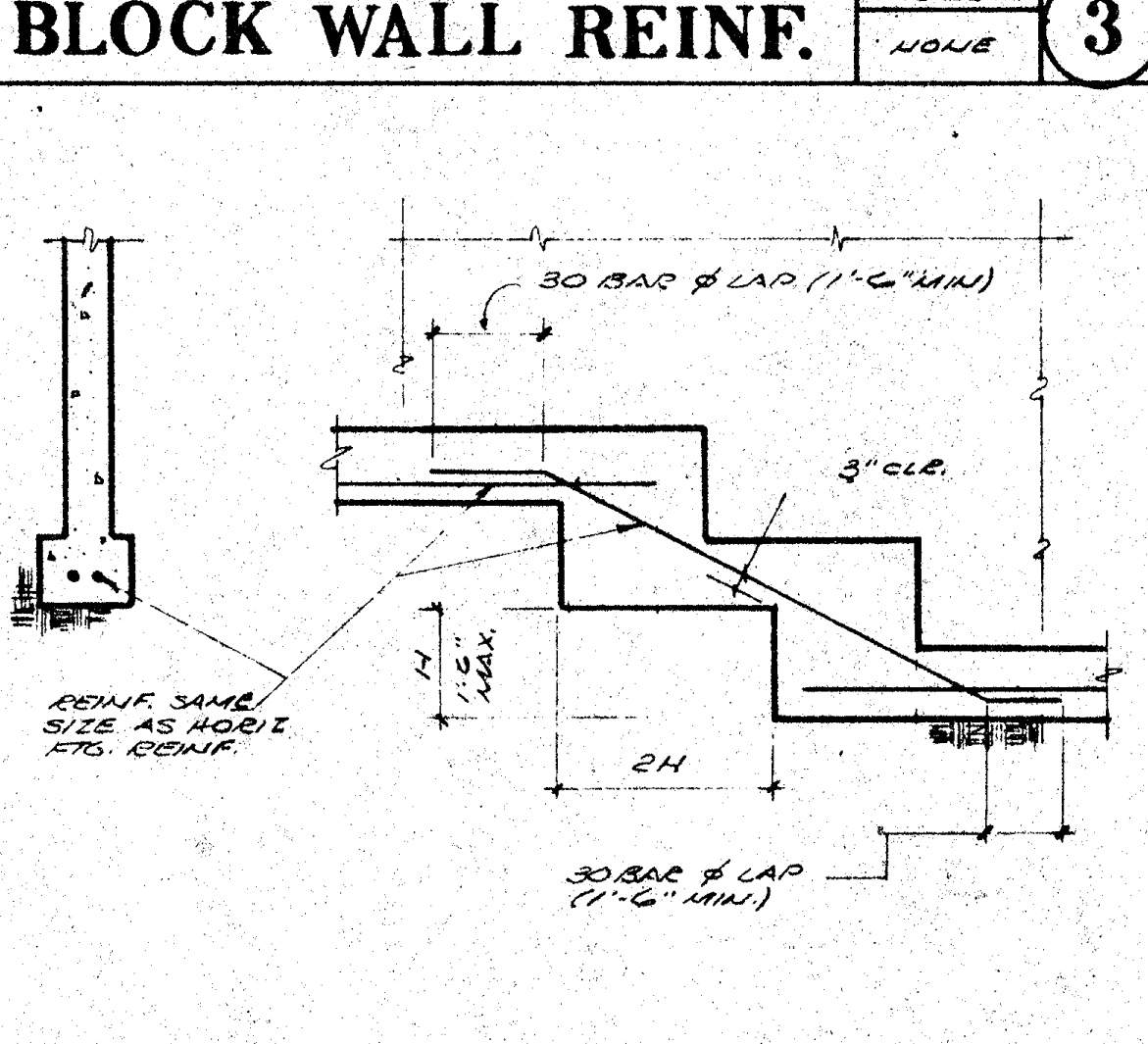
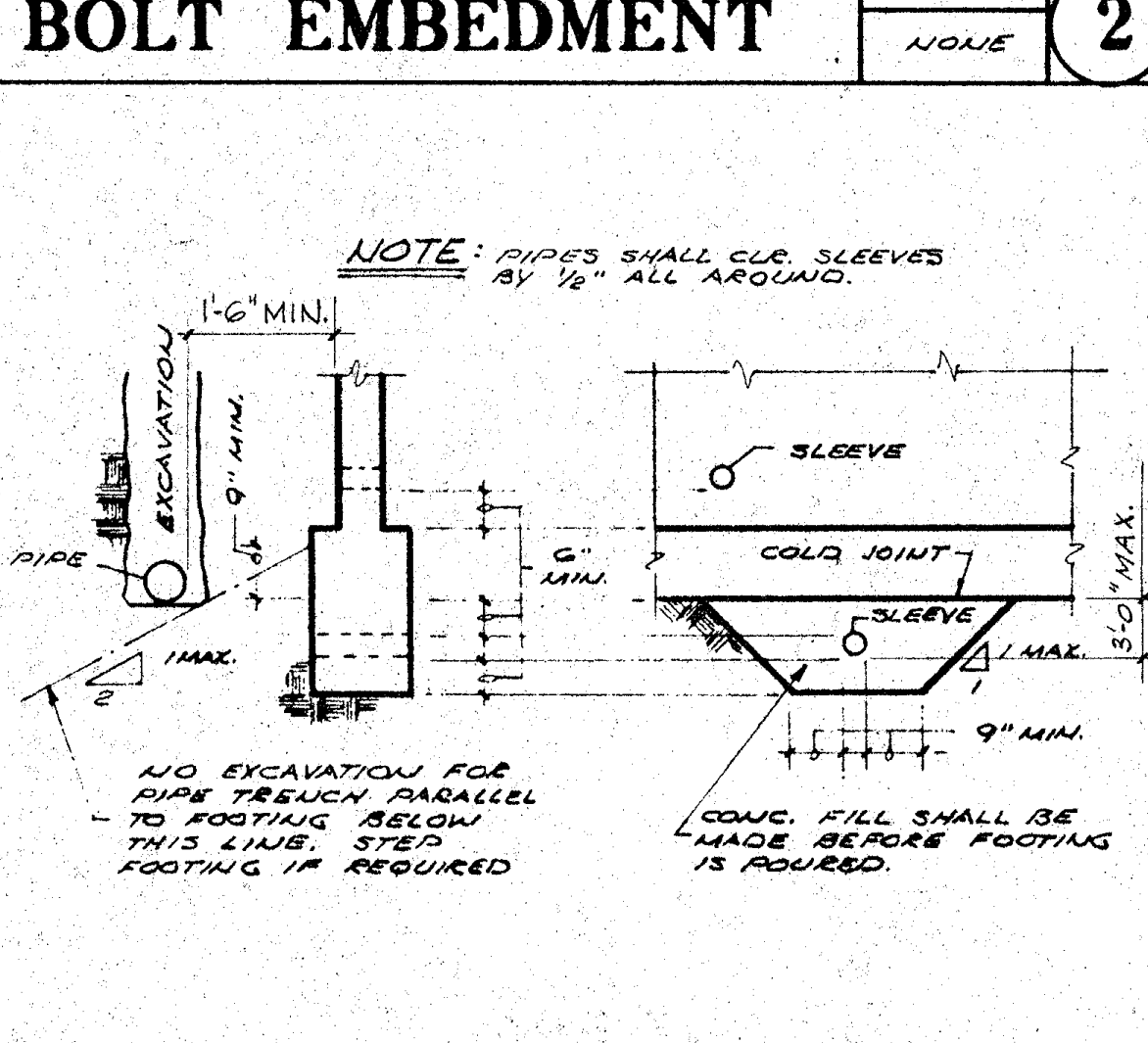
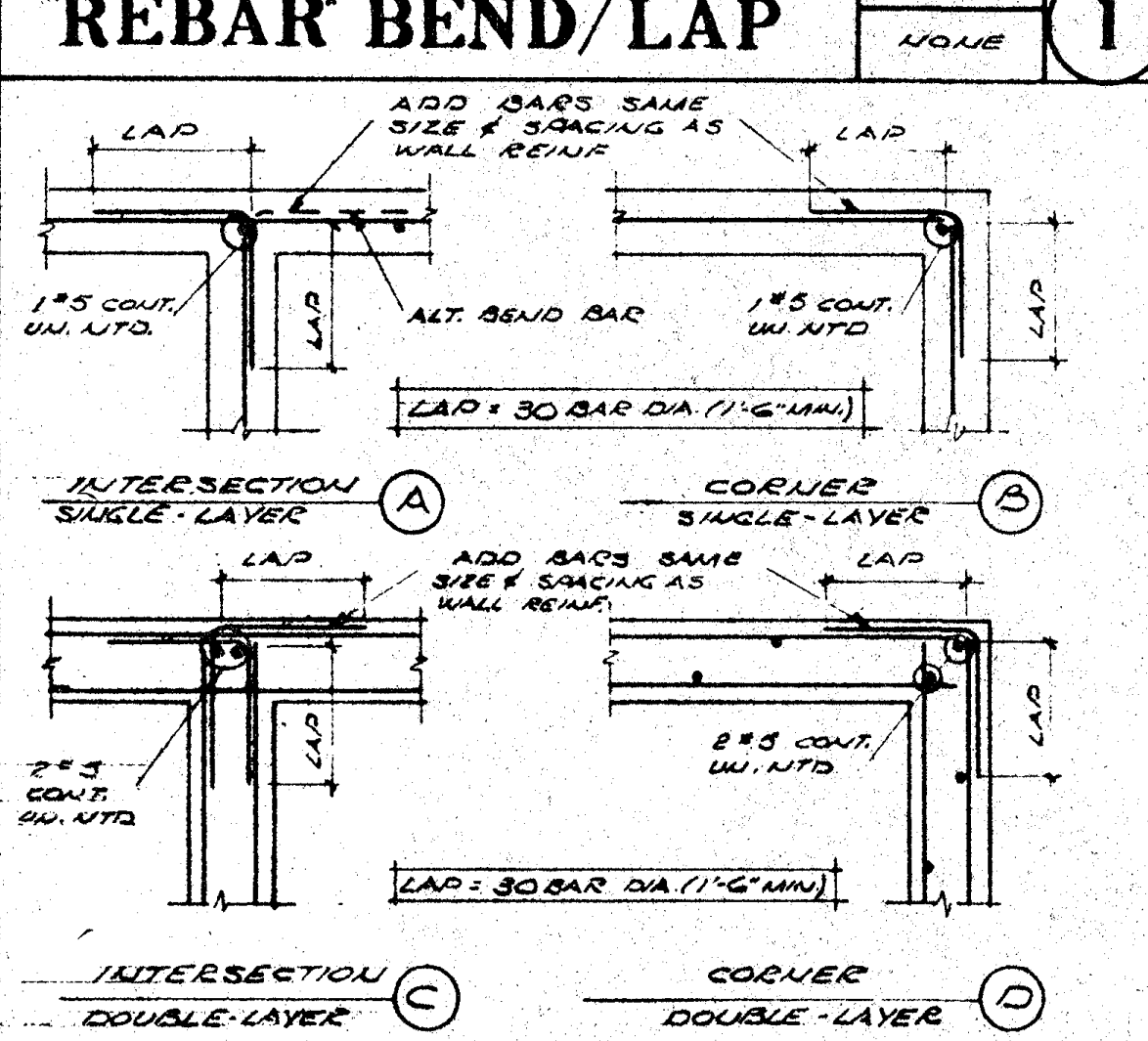
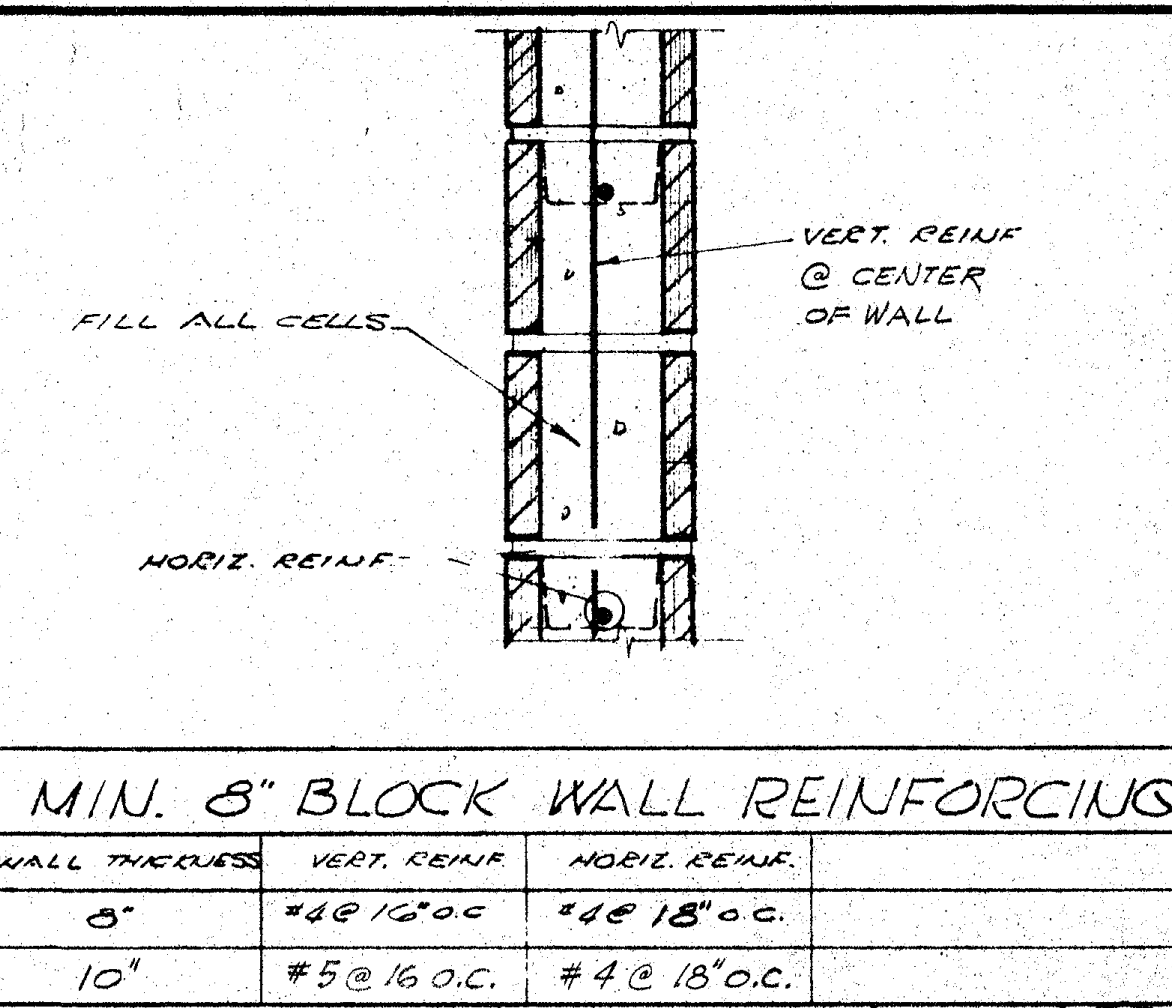
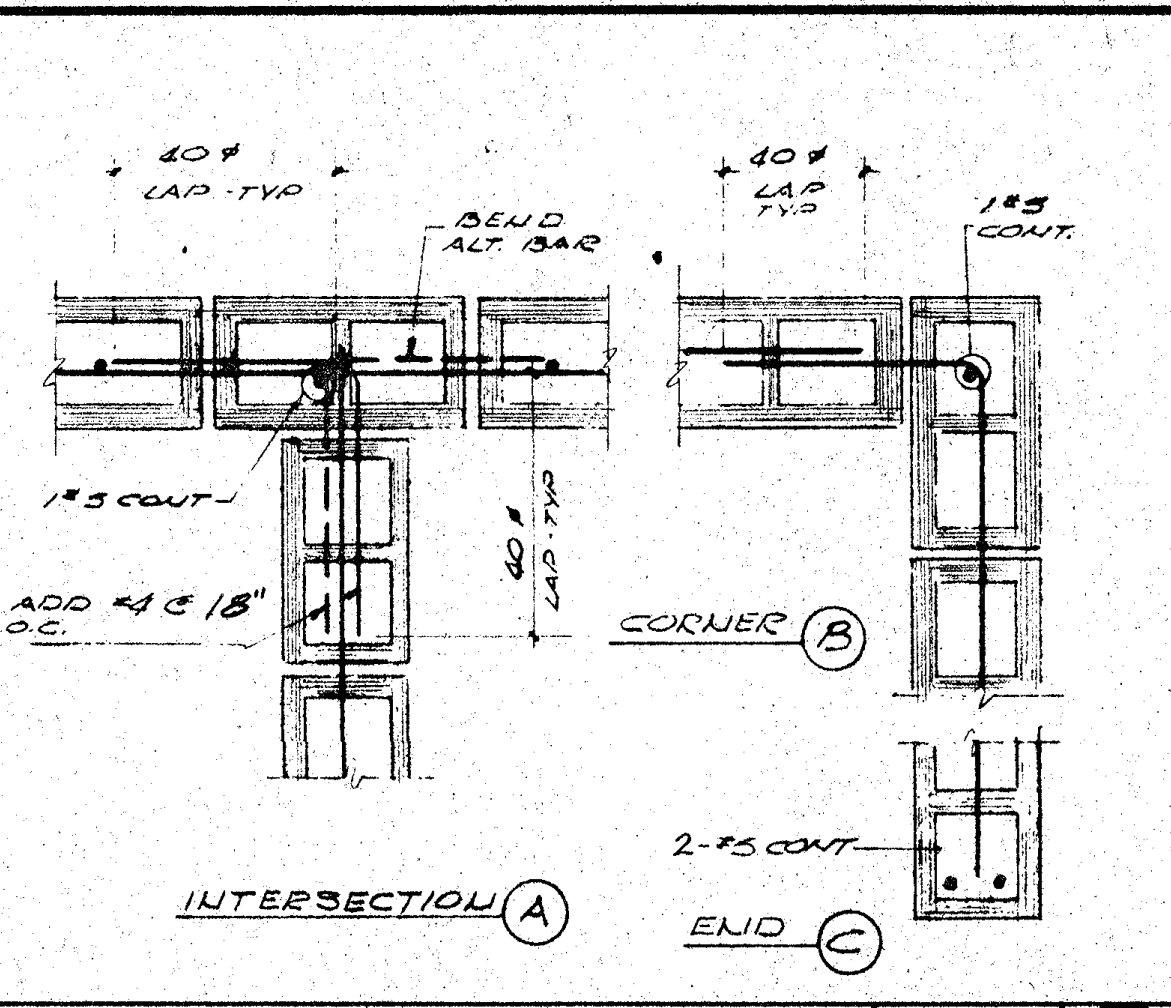
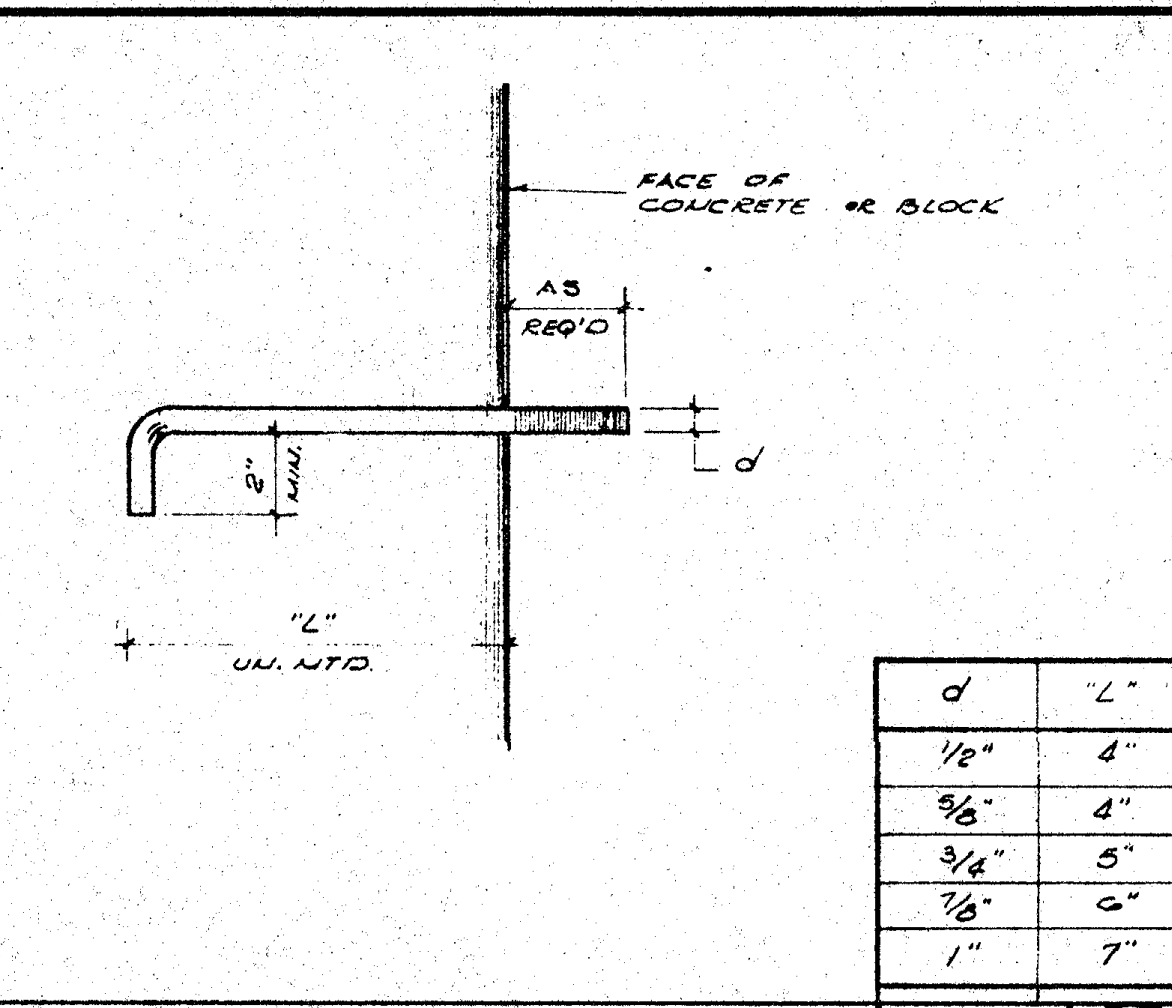
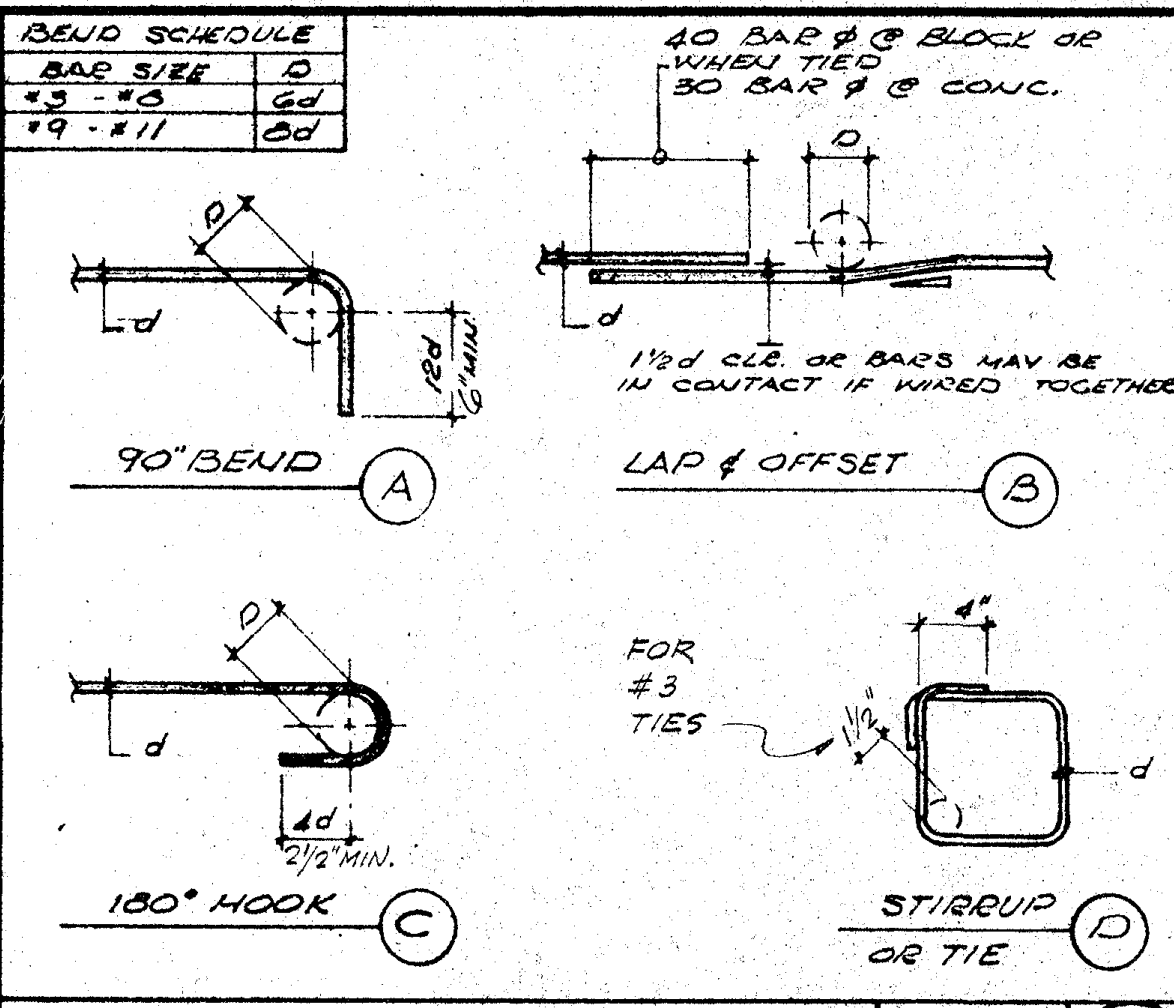
ARCHITECT: GRILLIAS, SAVAGE & ALVES  
 OWNED BY: JUNIOR SANTA ANA COLLEGE DISTRICT  
 STYLING: GRILLIAS, SAVAGE & ALVES  
 MANAGER: GRILLIAS, SAVAGE & ALVES  
 DRAFTSMAN: GRILLIAS, SAVAGE & ALVES

NO. DATE ISSUED FOR: 5-74  
 BY: CL. DATE ISSUED FOR: JF

STATE APPROVAL: 11-6

APPROVED: STATE FIRE MARSHAL STATE OF CALIFORNIA DATE: 11-1-77

SHEET NUMBER **A6**



**GENERAL**

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE, AND TO CROSS-CHECK DETAILS AND DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH RELATED REQUIREMENTS ON THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND/OR CIVIL DRAWINGS.
- FLOOR AND WALL OPENINGS, SLEEVES, VARIATIONS IN STRUCTURAL SLAB ELEVATIONS, DEPRESSED AREAS, AND ALL OTHER ARCHITECTURAL, MECHANICAL, ELECTRICAL AND/OR CIVIL REQUIREMENTS MUST BE COORDINATED BEFORE THE CONTRACTOR PROCEEDS WITH CONSTRUCTION.
- IN ALL CASES WHERE A CONFLICT MAY OCCUR, SUCH AS BETWEEN ITEMS INCLUDED IN THE SPECIFICATIONS AND NOTES ON THE DRAWINGS, OR BETWEEN GENERAL NOTES AND SPECIFIC DETAILS, THE ARCHITECT SHALL BE NOTIFIED AND HE WILL INTERPRET THE INTENT OF THE CONTRACT DOCUMENTS.
- DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE.
- WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION.
- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE "CALIFORNIA ADMINISTRATIVE CODE - TITLE 24" LATEST EDITION.
- IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
- THE PRECISE DIMENSIONS AND LOCATIONS OF ALL DOOR AND WINDOW OPENINGS SHALL BE DETERMINED FROM THE ARCHITECTURAL DRAWINGS. OTHER FLOOR, WALL AND ROOF OPENINGS AS REQUIRED BY MECHANICAL, ELECTRICAL, OR SIMILAR REQUIREMENTS SHALL BE VERIFIED FROM SHOP DRAWINGS, EQUIPMENT DATA, ETC., AS REQUIRED.
- THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMAN, OR OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND JIB POLES, ETC.
- CONTRACTOR AT HIS OWN EXPENSE SHALL ENGAGE PROPERLY QUALIFIED PERSONS TO DETERMINE WHERE AND HOW TEMPORARY PRECAUTIONARY MEASURES SHALL BE USED AND INSPECT SAME IN FIELD. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT, FIELD REPRESENTATIVE SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

**REINFORCING STEEL**

R.1 REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:  
#3 THRU #11 BARS A.S.T.M. A615-68, GRADE 40.

R.2 ALL REINFORCING STEEL, DOWELS, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE WELL SECURED IN PROPER POSITION PRIOR TO PLACING CONCRETE.

R.3 REINFORCING STEEL MARKED "CONT." (CONTINUOUS) MAY BE SPLICED WITH LAPS AS SHOWN IN TYPICAL DETAIL UNLESS SPECIFICALLY INDICATED OTHERWISE.

R.4 ALL WELDING OF REINFORCING STEEL SHALL BE DONE WITH PROPERLY SELECTED ELECTRODES. ADEQUATE PRE-HEAT, INTERPASS TEMPERATURES AND CONTROLLED COOLING SHALL BE USED TO PROVIDE SOUND CRACK-FREE WELDS. NO WELDING SHALL OCCUR AT BAR BENDS.

**STRUCTURAL STEEL**

S.1 ALL STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A36, AND SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH "THE A.I.S.C. SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", 1963 EDITION, AS AMENDED TO DATE.

S.2 ALL STRUCTURAL WELDING SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY, LATEST EDITION, AND SHALL BE PERFORMED BY CERTIFIED WELDERS. FOR A36 STEEL USE E60 SERIES ELECTRODES.

S.3 ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED BY A LICENSED FABRICATOR APPROVED BY THE O.A.C. AND THE ARCHITECT.

S.4 SHOP DRAWINGS OF ALL STRUCTURAL STEEL SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.

S.5 CONTINUOUS INSPECTION BY AN INSPECTOR IS REQUIRED FOR STRUCTURAL FIELD WELDING AND WHERE SPECIFICALLY INDICATED ON THE DRAWINGS.

**SOIL AND FOUNDATIONS**

F.1 SEE FOUNDATION INVESTIGATION BY MAURSETH HOWE LOCKWOOD & ASSOC., DATED MARCH 24, 1969. ALLOW SOIL BEARING TO BE 1500 LB. PER SQ. FT. @ A MINIMUM DEPTH OF 1'-0" BELOW LOWEST FINISHED SUB GRADE SURFACE.

F.2 THE FOUNDATION ENGINEER SHALL INSPECT AND APPROVE ALL FOOTING EXCAVATIONS PRIOR TO PLACING EITHER REINFORCING STEEL OR CONCRETE.

F.3 REFER TO THE SPECIFICATIONS FOR FILL AND BACKFILL COMPACTION, INSPECTION AND TESTING REQUIREMENTS.

**CONCRETE**

C.1 CONCRETE SHALL DEVELOP 3000 PSI MINIMUM ULTIMATE COMPRESSIVE STRENGTHS AT 28-DAY TEST.

C.2 THE LOCATIONS OF ALL CONSTRUCTION JOINTS NOT SPECIFICALLY INDICATED ON THE DRAWINGS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO PLACING REINFORCING STEEL.

C.3 NO PIPES OR DUCTS SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY INDICATED. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING AND/OR ELECTRICAL DRAWINGS FOR LOCATIONS OF SLEEVES THROUGH CONCRETE MEMBERS.

C.4 REFER TO ARCHITECTURAL DRAWINGS FOR ALL MOULDS, GROOVES, CLIPS, GROUNDS AND/OR ORNAMENTS TO BE CAST IN CONCRETE.

C.5 ALL CONSTRUCTION JOINTS, BOTH VERTICAL AND HORIZONTAL, IN EVERY LOCATION SHALL BE THOROUGHLY CLEANED OF ALL LAITANCE AND LOOSE MATERIALS BY AN APPROVED METHOD OF EITHER SANDBLASTING, CHIPPING OR HOSE-WASHING, PER SPEC'S.

C.6 CONTINUOUS INSPECTION BY AN INSPECTOR IS REQUIRED FOR CONCRETE CONSTRUCTION.  
REINFORCING COVERAGE - SEE MISCELLANEOUS NOTE 2.

**MASONRY**

M.1 CONTINUOUS INSPECTION BY AN INSPECTOR IS REQUIRED FOR MASONRY CONSTRUCTION.

M.2 MORTAR: MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 1500 PSI.  
MIX: 1 PART CEMENT & 3 PARTS HYDRATED LIME PUTTY, 4 PARTS SAND.

M.3 GROUT: MINIMUM COMPRESSIVE STRENGTH SHALL BE 2000 PSI AFTER 28 DAYS.  
MIX: 1 PART CEMENT, 3 PARTS SAND, 2 PARTS PEA GRAVEL AGGREGATE.

M.4 MASONRY UNITS TO BE HOLLOW LOAD BEARING, CONFORMING TO A.S.T.M. C90.

M.5 MASONRY MAY BE HIGH LIFT GROUTED IN ACCORDANCE WITH SCHOOL HOUSE SECTION - CIRCULAR 9.

**LUMBER**

L.1 STRUCTURAL LUMBER TO BE COAST REGION DOUGLAS FIR GRADE MARKED IN ACCORDANCE WITH UCLA GRADING RULES #15.  
a. ALL LUMBER TO BE 1500 F. CONSTRUCTION GRADE LUMBER OR BETTER, UNLESS NOTED OTHERWISE.  
b. MAXIMUM MOISTURE CONTENT SHALL NOT EXCEED 16%.

L.3 PROVIDE STANDARD WASHERS FOR ALL BOLTS THRU WOOD, EXCEPT AS SHOWN.

L.4 ROOF SHEATHING TO BE 1/2" STRUCTURAL 1 EXTERIOR GRADE WITH TOP AND BOTTOM PLYS PARALLEL TO SUPPORTS. ALL PLYWOOD TO BEAR THE D.F.P.P.A. GRADE MARK. NAILS TO HAVE 3/8" EDGE DISTANCE SPACED AS SHOWN ON DRAWINGS. PROVIDE BLOCKING WHERE PLYWOOD COLES ARE NOT SUPPORTED BY JOIST OR PURLINS. ALL PLYWOOD TO BE NAILED WITH PLYWOOD NAILS. ROOF PLYWOOD AND NAILING SHALL BE INSPECTED AND APPROVED BEFORE APPLYING GLUED LAMINATED WOOD BEAMS.

L.5 NAILING: PER TITLE 24, TABLE T21-606(1); P. T-204.4, EXCEPT AS SHOWN.

GL.1 SHALL BE FABRICATED BY A LICENSED FABRICATOR APPROVED BY THE GOVERNING BUILDING DEPARTMENT.

GL.2 DELETED

GL.3 LAMINATED BEAMS SHALL BE SHOP COATED WITH A PENETRATING SEALER BEFORE DELIVERY TO JOB SITE.

GL.4 LAMINATED BEAMS SHALL BE FABRICATED TO ACTUAL JOB MEASUREMENTS.

GL.5 LAMINATED BEAMS TO BE COMBINATION "B" F=2400 PSI.

**MISCELLANEOUS NOTES**

M.1 STEEL STUD PARTITIONS  
UNLESS OTHERWISE NOTED OR INDICATED ALL STUD PARTITIONS SHALL EXTEND FROM FLOOR TO FLOOR FRAMING OR ROOF FRAMING ABOVE. WALL FINISHES SHALL BE STOPPED AT OR JUST ABOVE THE RESPECTIVE FINISH CEILING LINES. WHERE WALL FINISHES OCCUR ON BOTH SIDES OF PARTITION PROVIDE HORIZONTAL BRIDGING AT 5'-0" O.C. MAXIMUM. WHERE THERE IS NO WALL FINISH OR FINISH ON ONE SIDE ONLY PROVIDE BRIDGING AT 3'-0" O.C. MAXIMUM. BRIDGING SHALL BE 4" x 16 GAUGE UNPUNCHED, WELDED TO STUDS WITH 1/8" x 1/2" LONG WELD EACH FACE OF STUD.

M.2 HIGH LIFT GROUTING IS NOT USED  
GROUTING SHALL BE DONE IN A CONTINUOUS POUR, IN LIFTS NOT EXCEEDING TWO FEET (2'-0"). IT SHALL BE CONSOLIDATED BY PULLING OR MECHANICAL VIBRATING DURING PLACING AND RECONSOLIDATED AFTER EXCESS MOISTURE HAS BEEN ABSORBED BUT BEFORE PLASTICITY IS LOST. THE GROUTING OF ANY SECTION OF WALL BETWEEN CONTROL BARRIERS SHALL BE COMPLETED IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR.

M.3 CONCRETE COVERAGE OF REINFORCING STEEL:  
AGAINST EARTH, FORMED = 2"  
AGAINST EARTH, NO FORMING = 3"  
WALLS, EXTERIOR FACE = 1 1/2"  
WALLS, INTERIOR FACE = 2"  
COLUMNS - MAIN REINFORCEMENT = 1"  
SLABS = 1"  
SLAB ON GRADE = CENTER MATT IN SLAB.

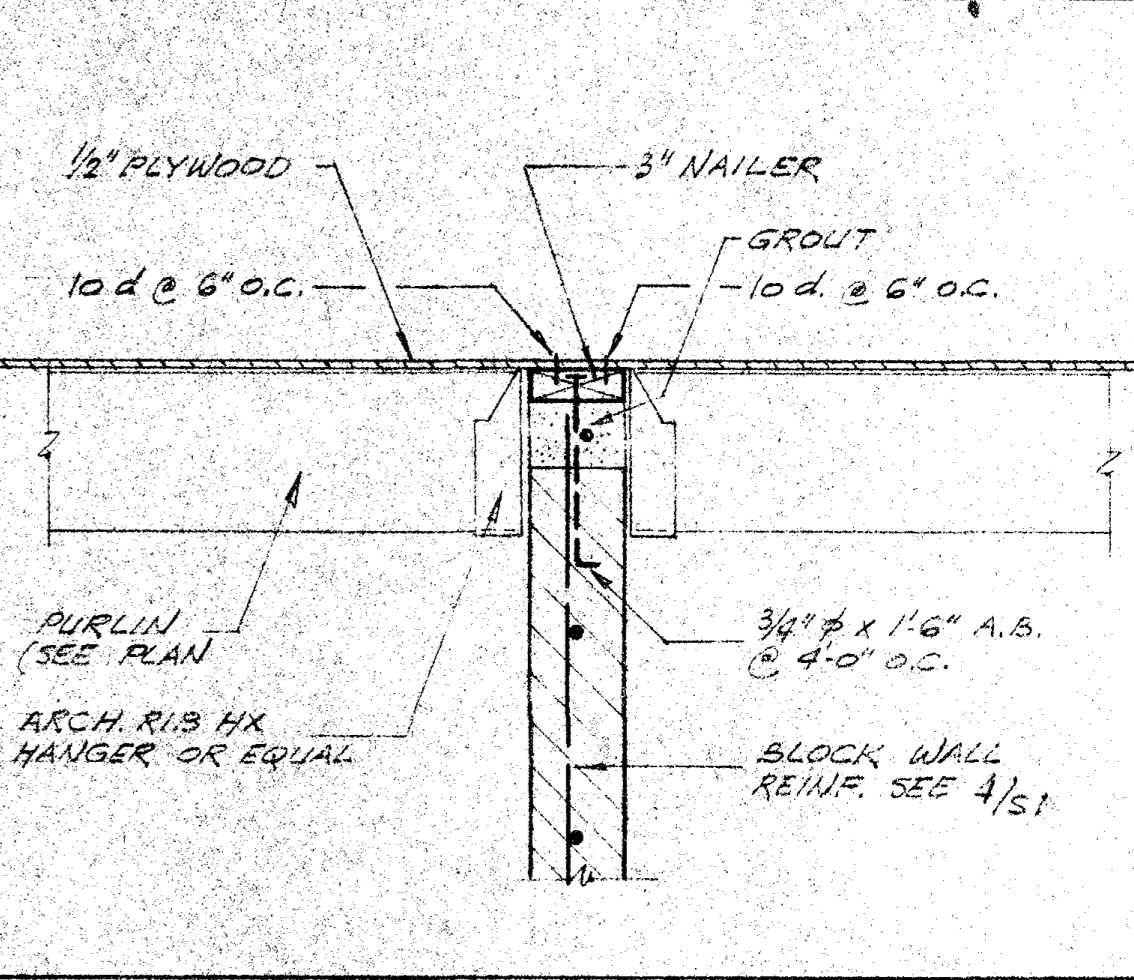
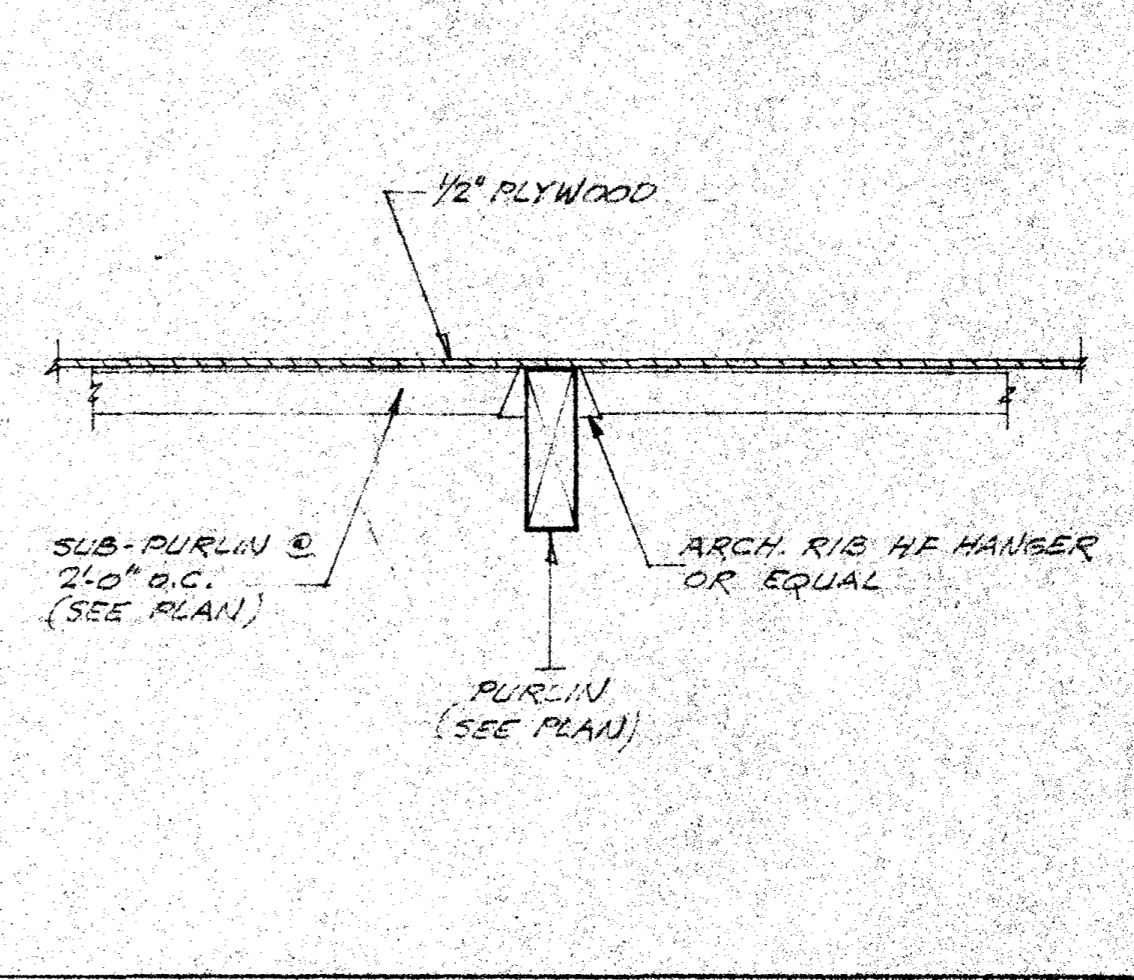
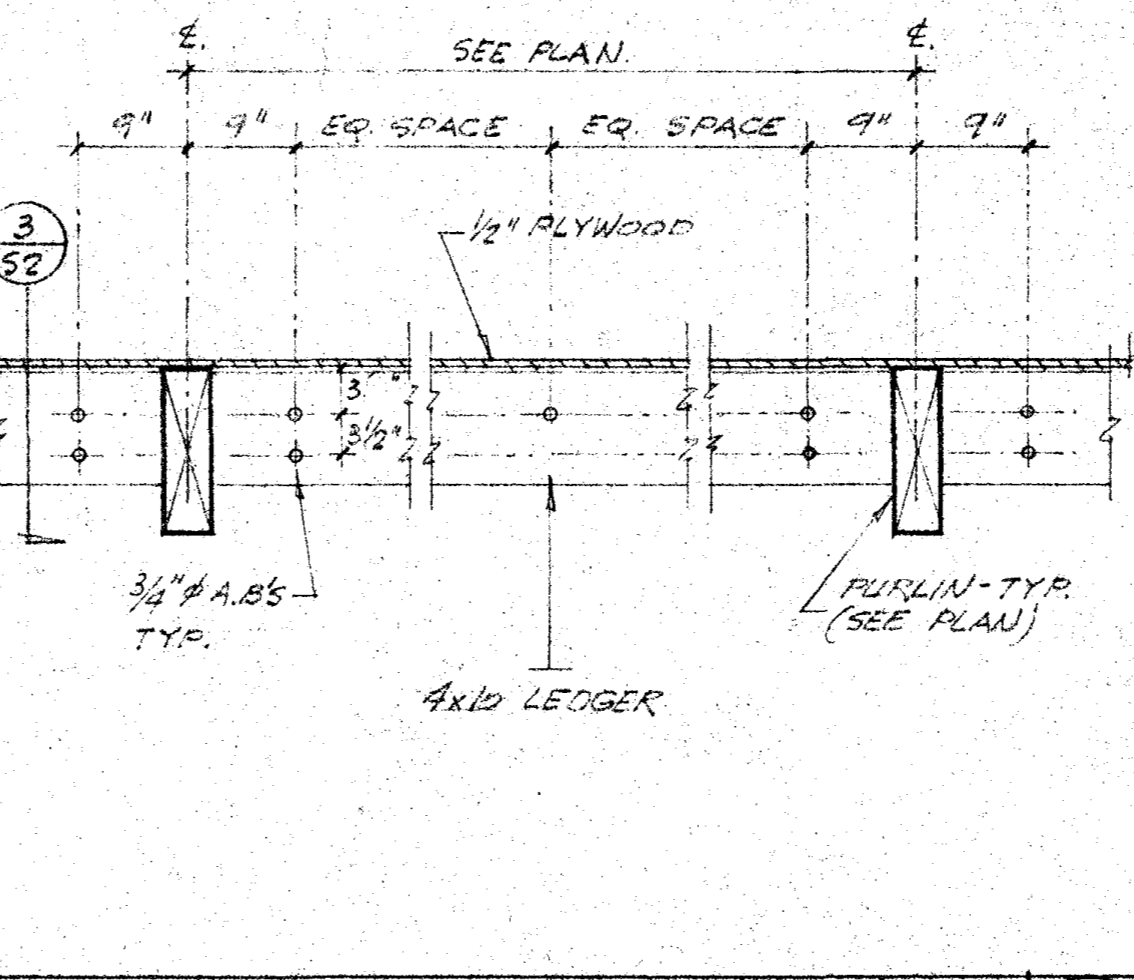
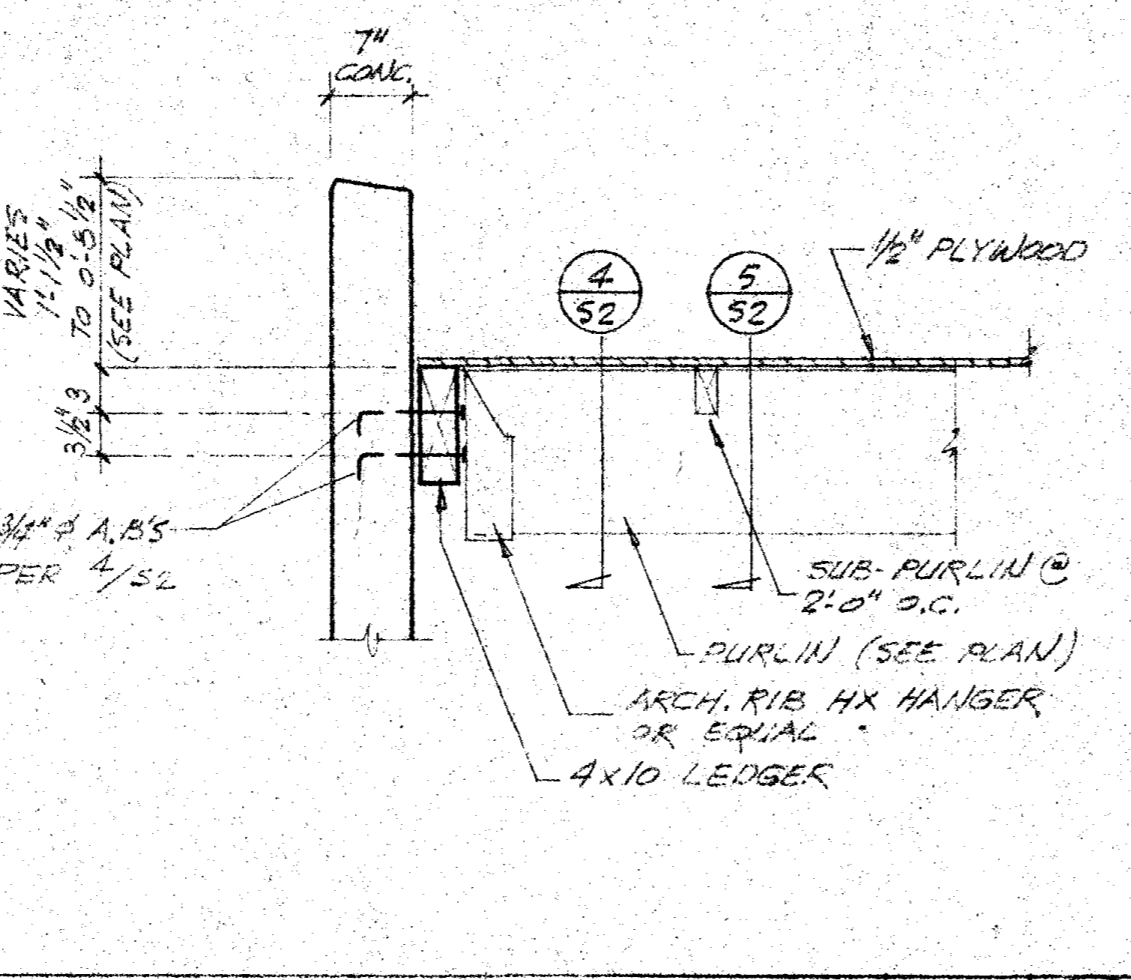
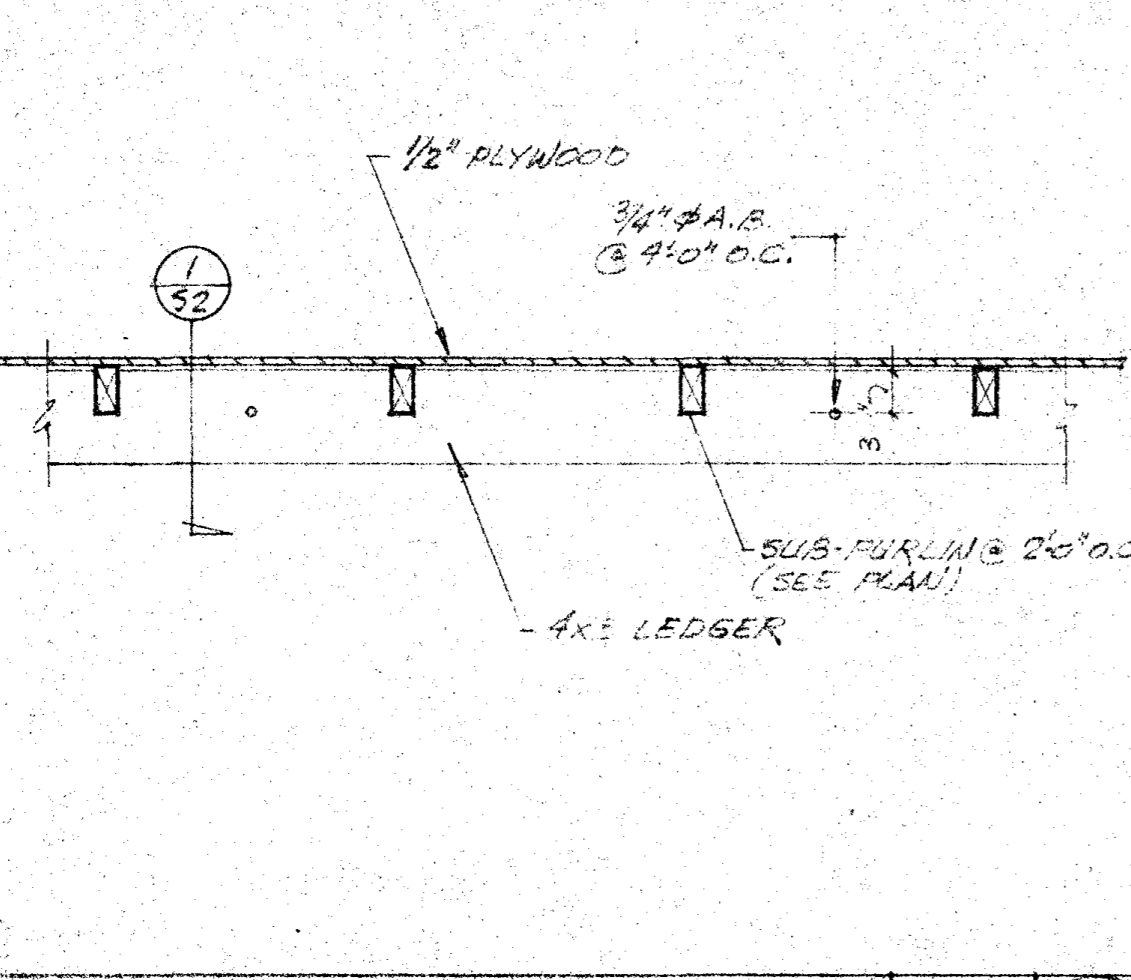
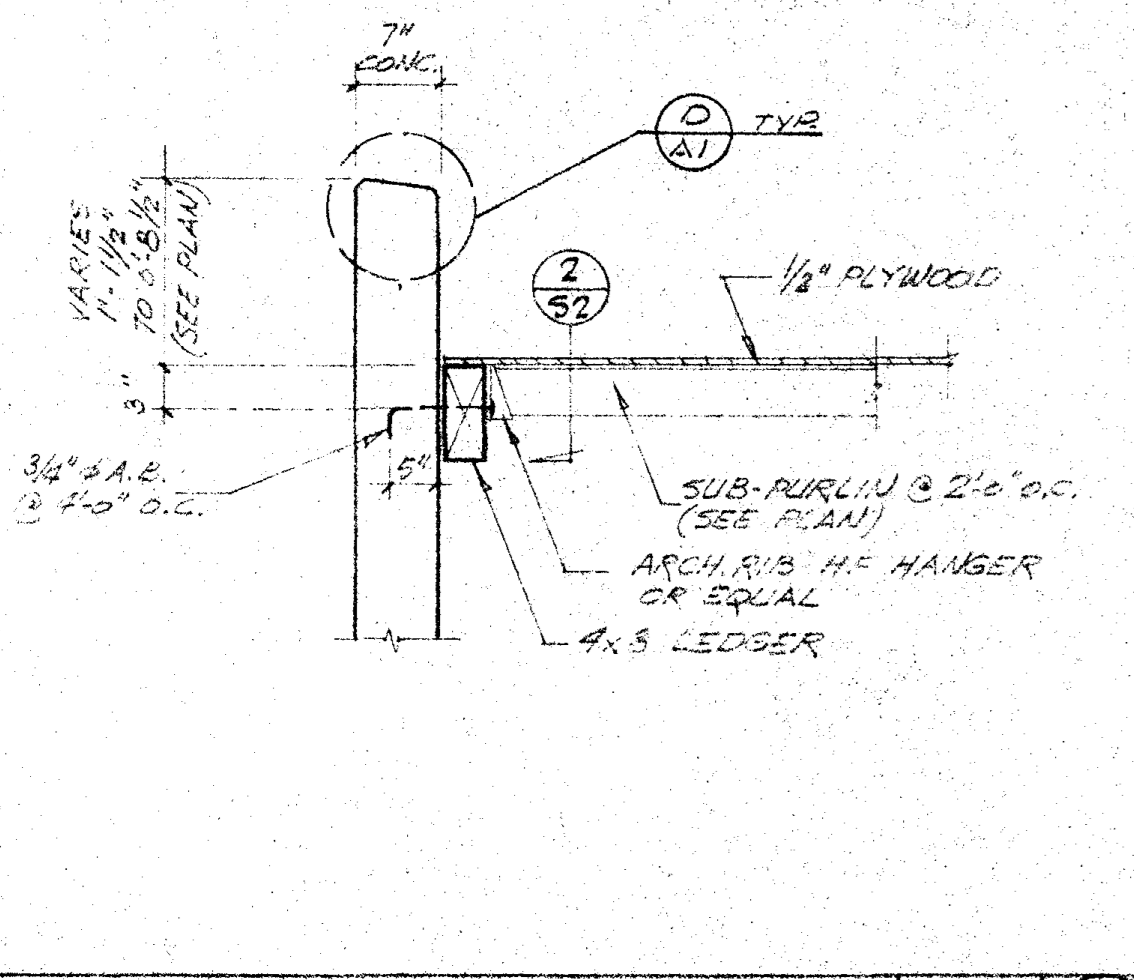
**GENERAL NOTES**

SANTA ANA COLLEGE DISTRICT JUNIOR COLLEGE DISTRICT  
 1550 WEST SEVENTEENTH STREET SANTA ANA, CALIFORNIA 92705  
 ARCHITECT: [Signature] CIVIL ENG. 42397  
 OWNER BY: [Signature] CIVIL ENG.  
 STR. ENG. [Signature]  
 MANAGER [Signature]  
 DRAFTSMAN [Signature]

STATE APPROVAL  
 1 1/2" STATE APPROVAL  
 NO. DATE ISSUED FOR  
 NO. DATE ISSUED FOR

SERVICE BUILDING  
 S I  
 DATE 5-6-70





SUB-PURLIN CONN. SCALE 3/4\"/>

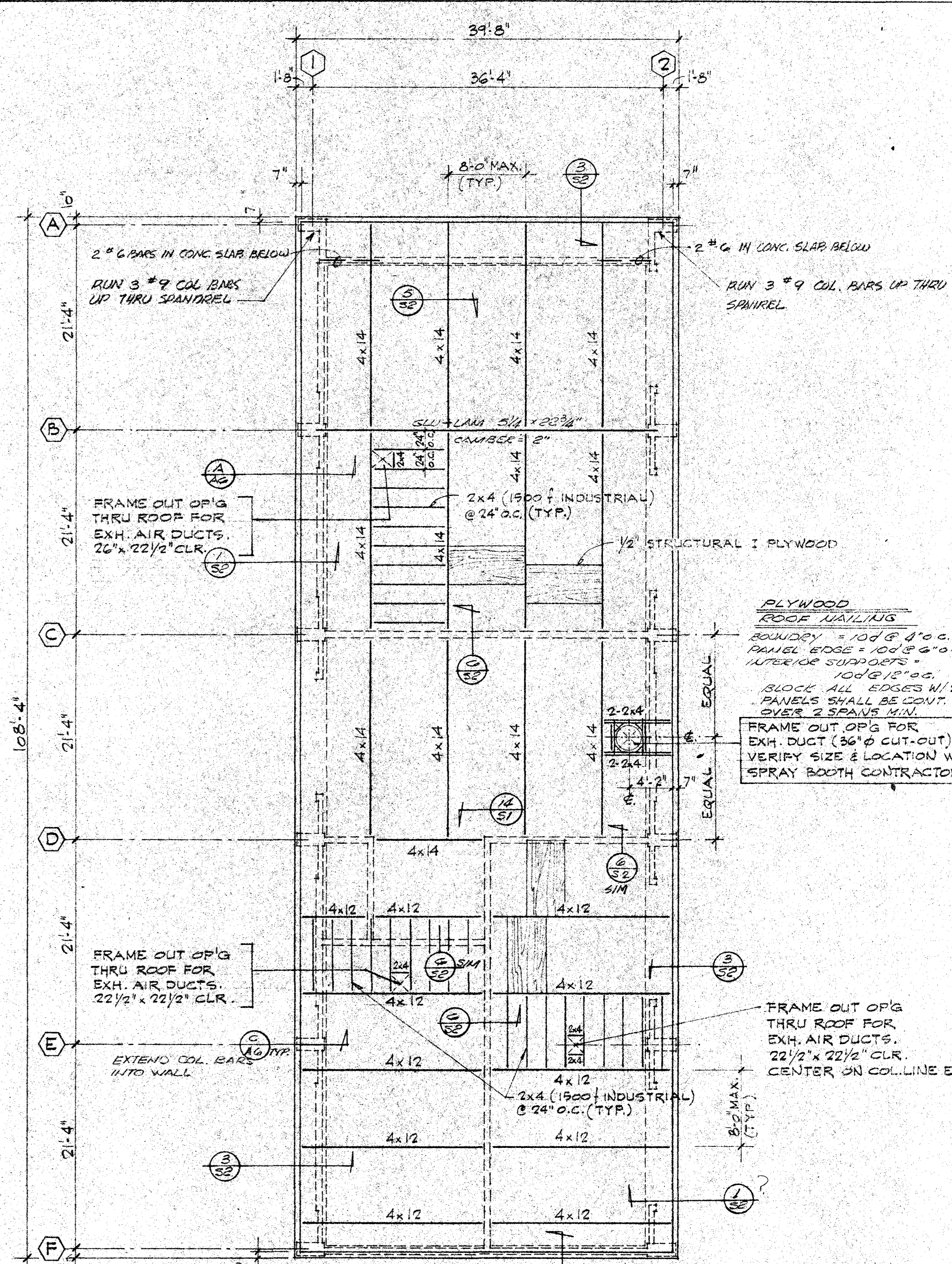
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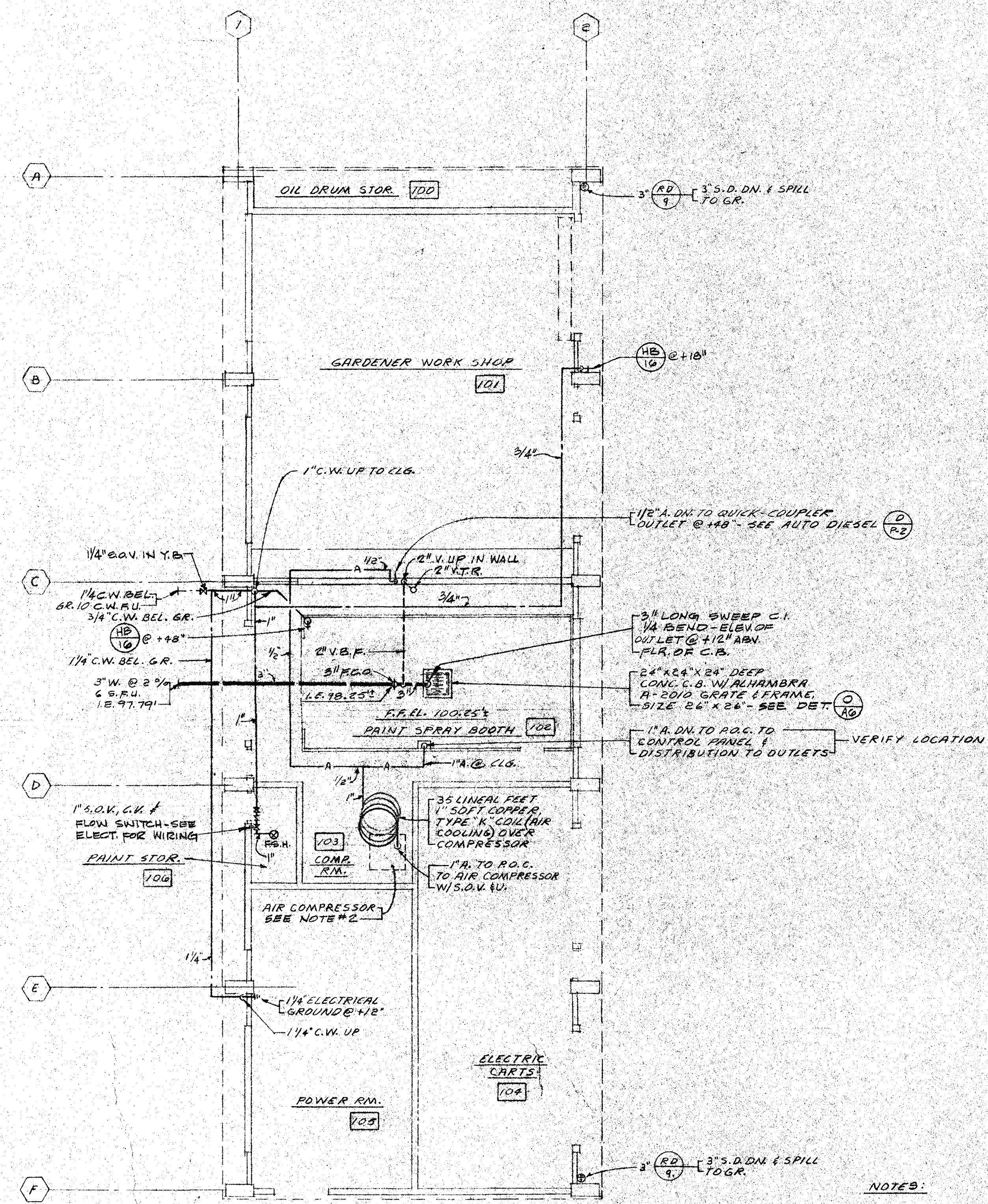
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**ROOF FRAMING PLAN**

SCALE 1/8\"/>

NO. 041191	SHEET NUMBER <b>S2</b>	DATE 6-70	DATE ISSUED FOR	BY	NO. DATE ISSUED FOR	BY	NO. DATE ISSUED FOR	BY	
<b>SANTA ANA COLLEGE</b> <b>JUNIOR COLLEGE DISTRICT</b> 1530 WEST SEVENTEENTH STREET SANTA ANA, CALIFORNIA			STATE APPROVAL MECH. ENG. _____ ELEC. ENG. _____ ARCHITECT _____ OWNED BY _____ STR. ENG. _____ CIVIL ENG. _____			<b>ROOF FRAMING PLAN</b> <b>AND DETAILS</b> <b>GRILLIAS • SAVAGE • ALVES</b> planning architecture engineering			508 north main street, santa ana 835-2311



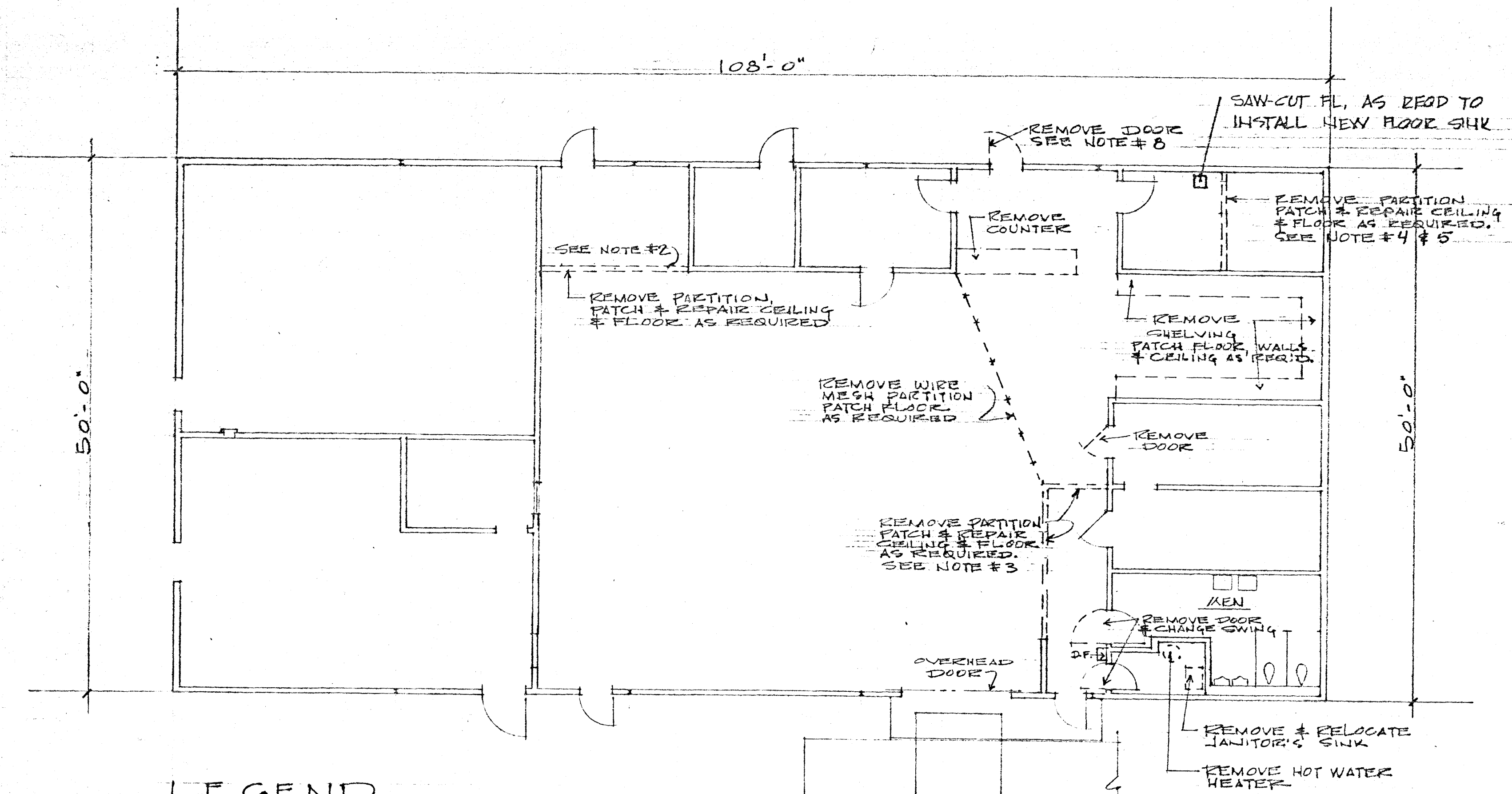
NOTES:  
 1. FOR CONTINUATION OF PIPING OUTSIDE OF BUILDING, SEE SITE DEVELOPMENT DWG. P.2.  
 2. CONTRACTOR SHALL INSTALL AIR COMPRESSOR & ACCESSORIES FURNISHED WITH SPRAY BOOTH, AND SHALL MAKE FINAL CONNECTIONS TO EQUIPMENT.

**PLUMBING GROUND FLOOR PLAN**

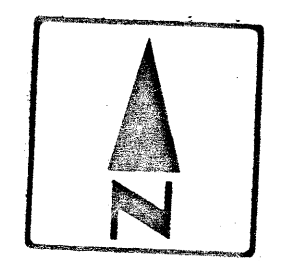
**SERVICE BUILDING**

ARCHITECT	OWNED BY	STR. ENG.	CIVIL ENG.	NO.	DATE	ISSUED FOR	BY	CR.
<b>SANTA ANA COLLEGE</b> <b>JUNIOR COLLEGE DISTRICT</b> 1530 WEST SEVENTEENTH STREET SANTA ANA, CALIFORNIA				STATE APPROVAL 1 30				
<b>PLUMBING GROUND FLOOR PLAN</b>				SHEET NUMBER <b>11</b>				
<b>GRILLIAS • SAVAGE • ALVES</b> planning architecture engineering				JOB NO. 64-171 DATE 3-6-70				

508 north main street, santa ana 835-2311



**LEGEND**  
 ———— EXISTING WALLS/PARTITIONS TO REMAIN  
 - - - - - EXISTING PARTITIONS TO BE REMOVED

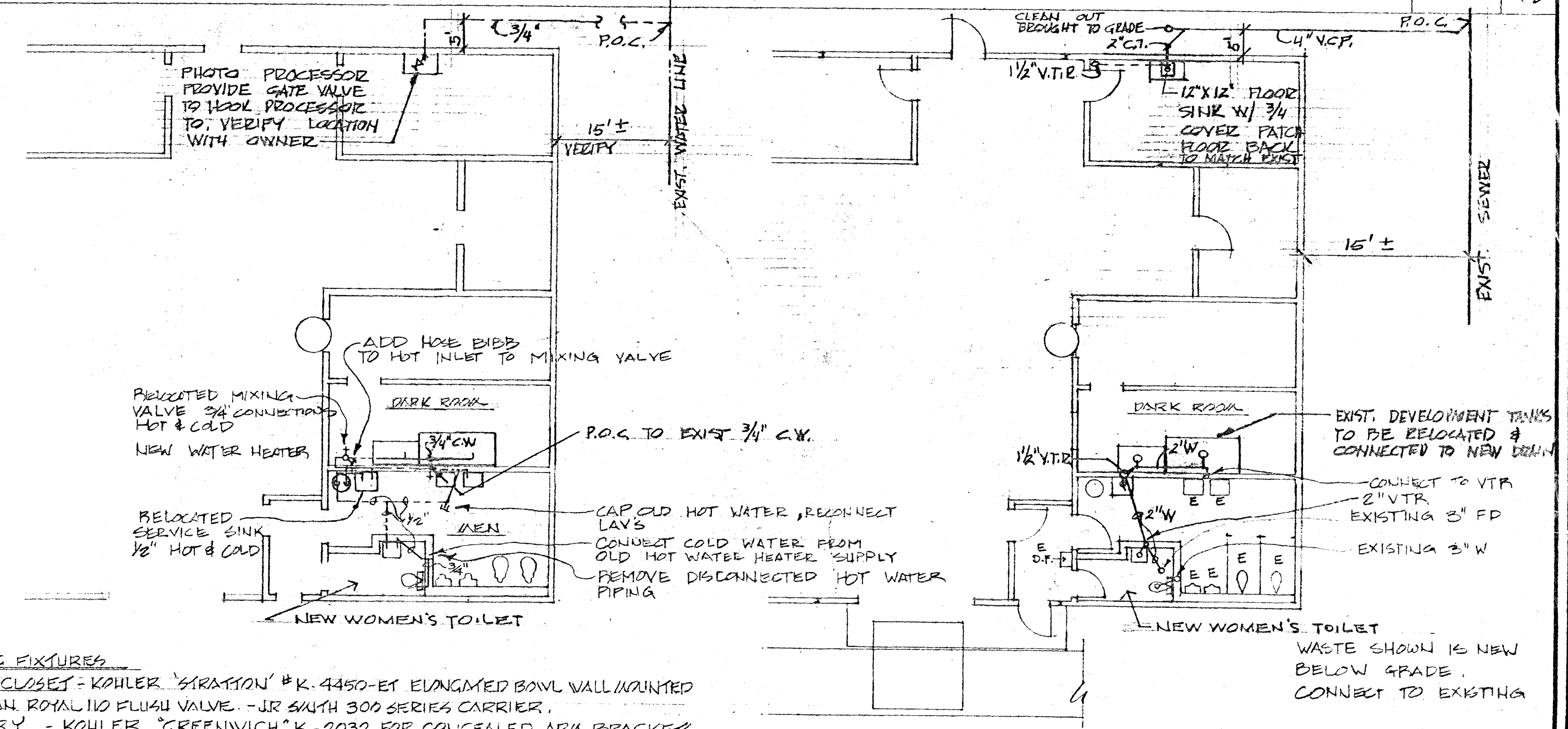


DEMOLITION PLAN

SCALE 1/8" = 1'-0"

- SCOPE OF WORK
1. DISPOSAL OF SALVAGED MATERIAL WILL BE DIRECTED BY THE OFFICE OF CAMPUS SERVICES.
  2. DEMOLISH WALL AND SALVAGE DOOR AND WINDOW.
  3. DEMOLISH WALL AND RELOCATE DOOR.
  4. PATCH FL. AS REQD. & REPLACE TILE TO MATCH EXIST.
  5. DEMOLISH WALL AND SALVAGE DOOR.
  6. RELOCATE BLACKOUT DOOR FROM EXISTING PRINT SHOP DARK ROOM IN T.I. BUILDING - N.I.C.
  7. CONSTRUCT NEW 7'-4" HIGH PARTITION AND INSTALL NEW 1/2 GLASS DOOR. LOCK HARDWARE TO BE HORTISE TYPE TO RECEIVE SARGENT SERVICES.
  8. REMOVE EXISTING DOOR AND REPLACE WITH A NEW 1/2 GLASS DOOR - THE EXISTING DOOR HARDWARE - COORDINATE WITH OFFICE OF CAMPUS SERVICES.

SCOPE OF WORK NOTES

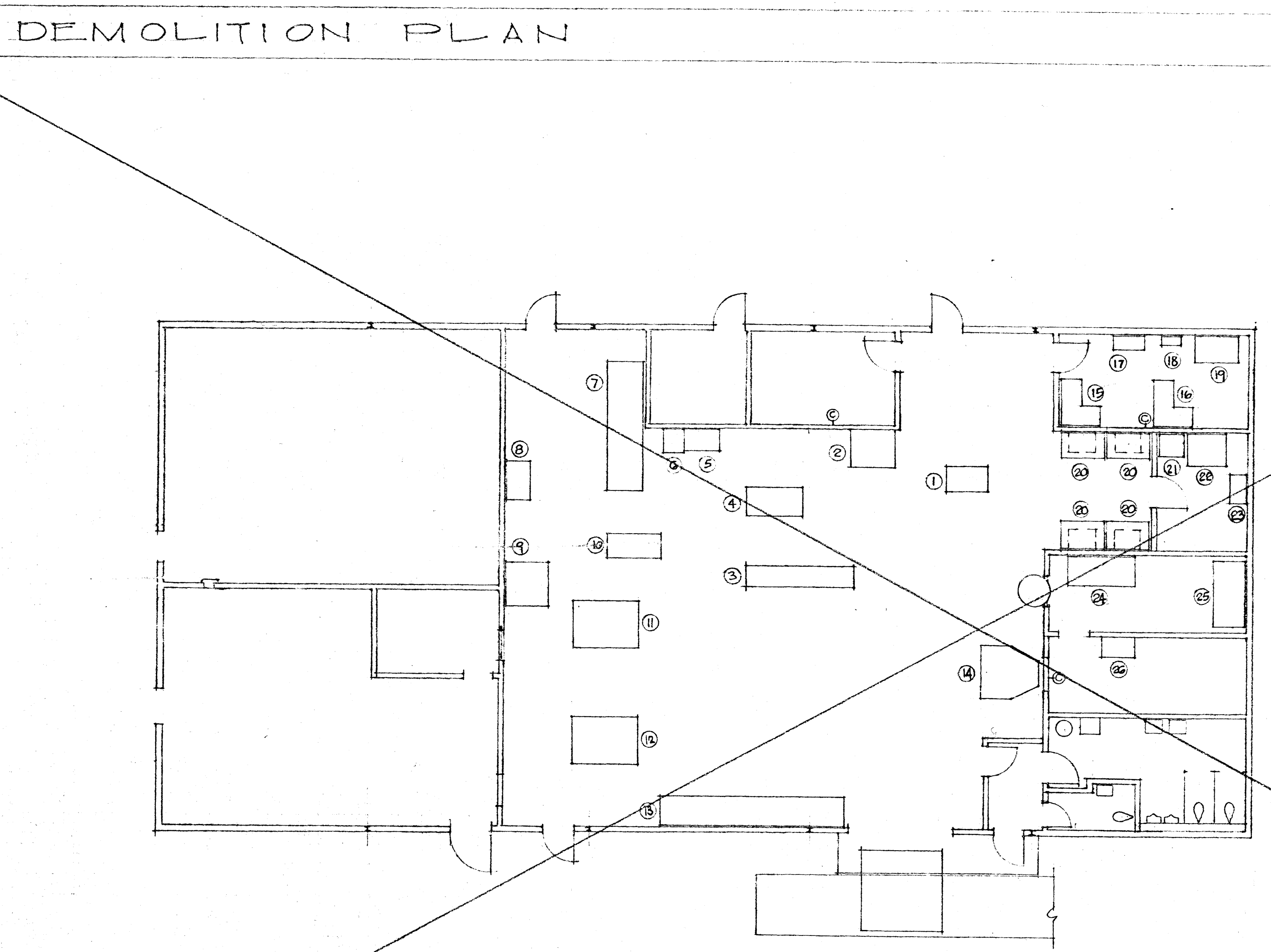


- PLUMBING FIXTURES**
1. WATER CLOSET - KOHLER 'STRATON' # K-4450-ET ELONGATED BOWL WALL MOUNTED W/ SLOAN ROYAL 110 FLUSH VALVE - J.R. SMITH 300 SERIES CARRIER.
  2. LAVATORY - KOHLER 'GREENWICH' K-2032 FOR CONCEALED ARK BRACKET, #K-7404-T FAUCETS W/ J.R. SMITH 700 CARRIER.

DOMESTIC WATER PLAN

DRAIN WASTE AND VENT PLAN

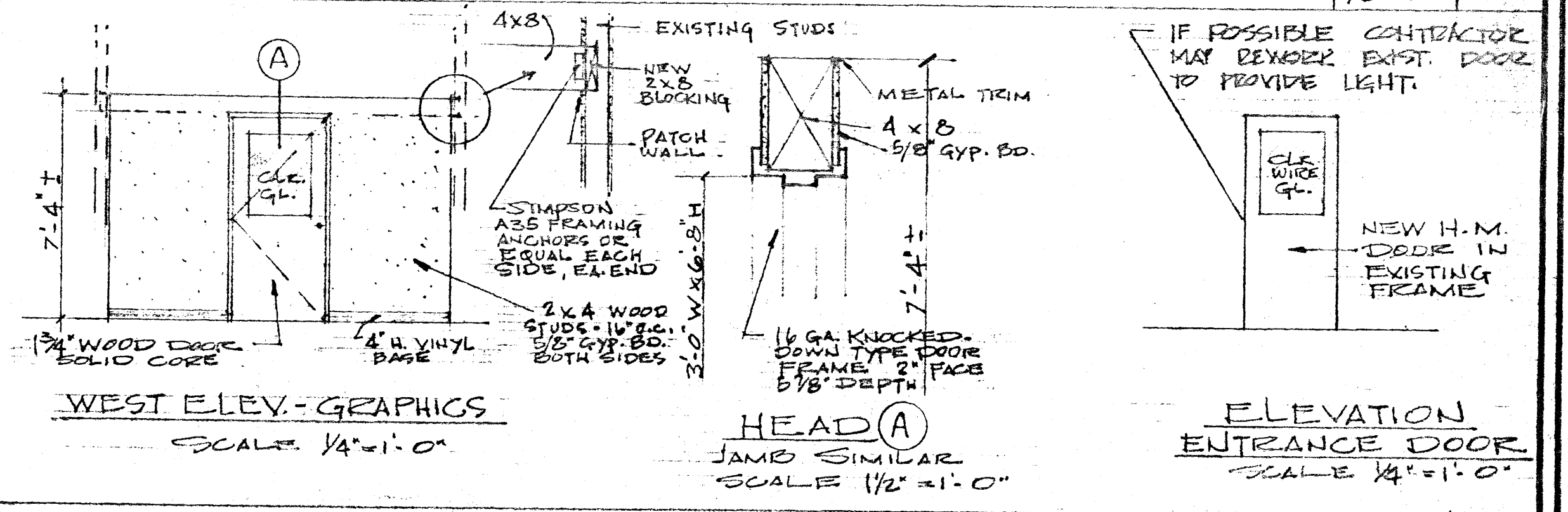
- SCOPE OF WORK
1. RELOCATE JANITORS SINK FROM JANITOR'S CLOSET TO MEN'S TOILET ROOM.
  2. REMOVE H.W. HEATER FROM JANITORS CLOSET AND ADD NEW 50 GAL. H.W. HEATER IN MEN'S TOILET ROOM.
  3. ADD NEW WATER CLOSET AND LAVATORY IN NEW WOMEN'S TOILET
  4. RELOCATE MIXING VALVE AND PROCESSING SINKS FROM EXISTING PRINT SHOP IN T.I. BUILDING.



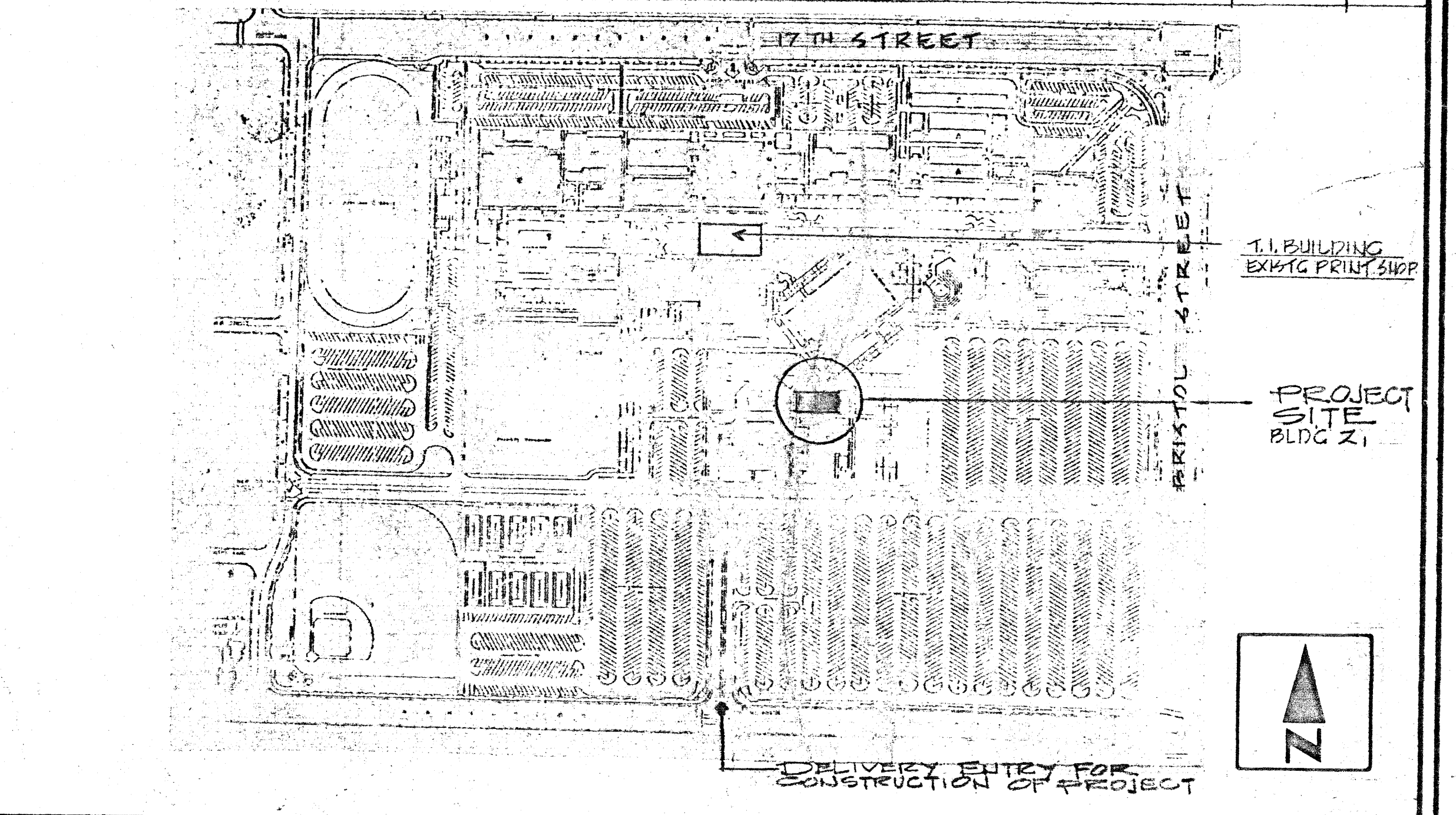
- EQUIP'T. LEGEND**
- ① DESK
  - ② COPIER
  - ③ COLLATOR
  - ④ MULTI-PRESS 2050
  - ⑤ HOLE PUNCHER
  - ⑥ STITCHER
  - ⑦ FOLDER
  - ⑧ INK MIXING TABLE
  - ⑨ NU-ARC PLATE MAKER
  - ⑩ MULTI-PRESS 1250
  - ⑪ HARRIS PRESS
  - ⑫ HARRIS PRESS
  - ⑬ GATHER & SADDLE STITCHER
  - ⑭ PAPER CUTTER
  - ⑮ COMP. SET 3510
  - ⑯ COMP. SET 510
  - ⑰ PROCESSOR 103
  - ⑱ REPLINISHER
  - ⑲ LIGHT TABLE
  - ⑳ LIGHT TABLE
  - ㉑ LUCIGRAPH
  - ㉒ DRAWING TABLE
  - ㉓ STORAGE
  - ㉔ ENLARGER
  - ㉕ CAMERA
  - ㉖ TABLE

SCALE 1/8" = 1'-0"

EQUIP'T. LEGEND



DETAILS

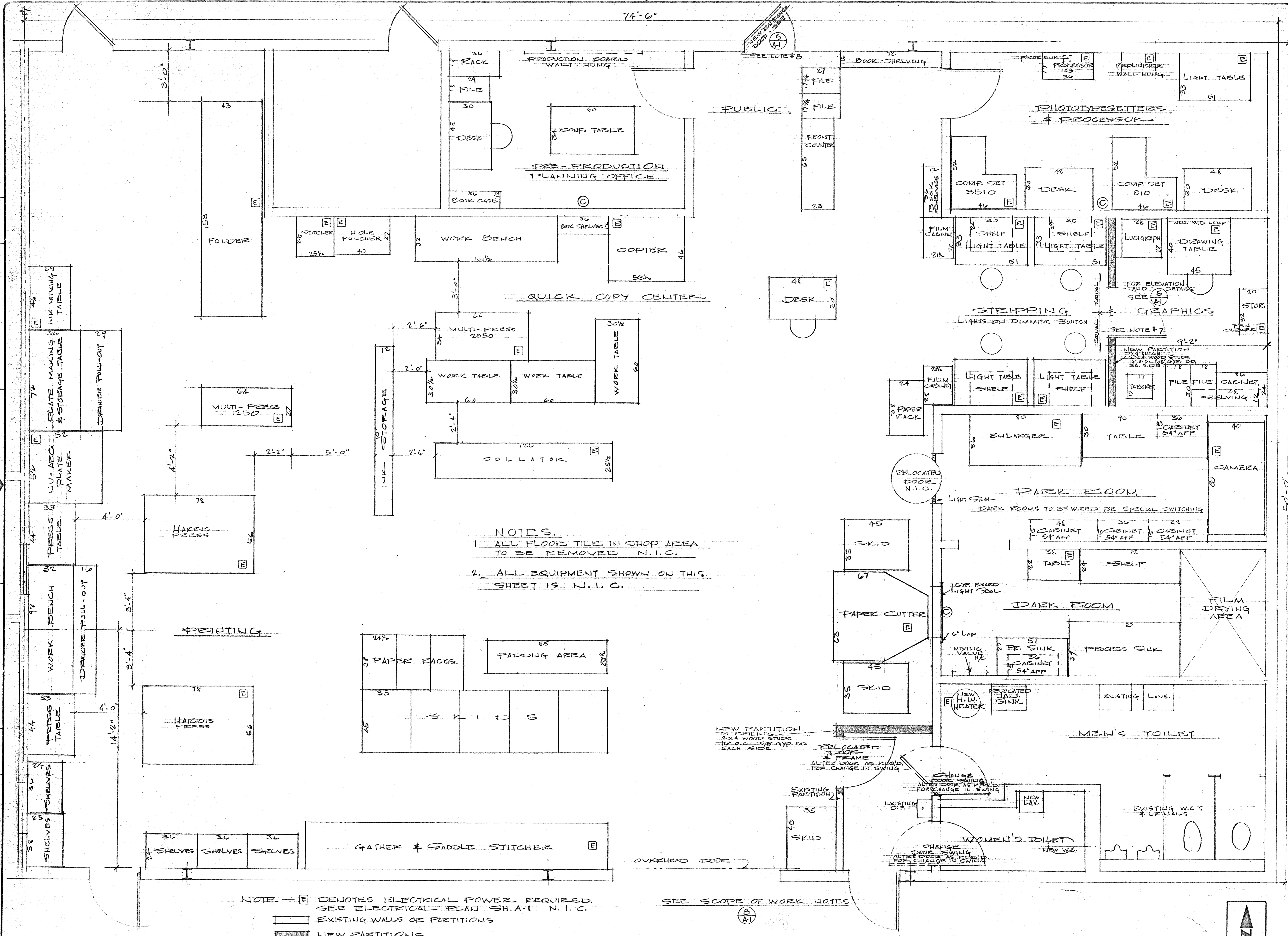
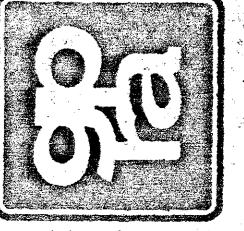


SITE PLAN

- NOTES:**
1. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER.
  2. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF ALL GOVERNING BUILDING CODES.

GENERAL CONSTRUCTION NOTES

ELECTRICAL PLAN

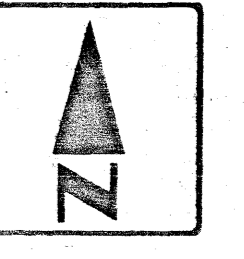


- NOTES.**
1. ALL FLOOR TILE IN SHOP AREA TO BE REMOVED N.I.C.
  2. ALL EQUIPMENT SHOWN ON THIS SHEET IS N.I.C.

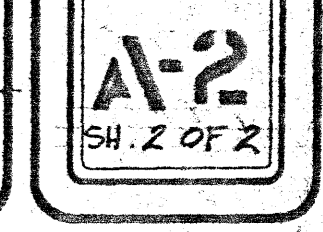
NOTE - [E] DENOTES ELECTRICAL POWER REQUIRED. SEE ELECTRICAL PLAN SH. A-1 N.I.C.  
 [---] EXISTING WALLS OR PARTITIONS  
 [---] NEW PARTITIONS

SEE SCOPE OF WORK NOTES

EQUIPMENT LOCATION PLAN

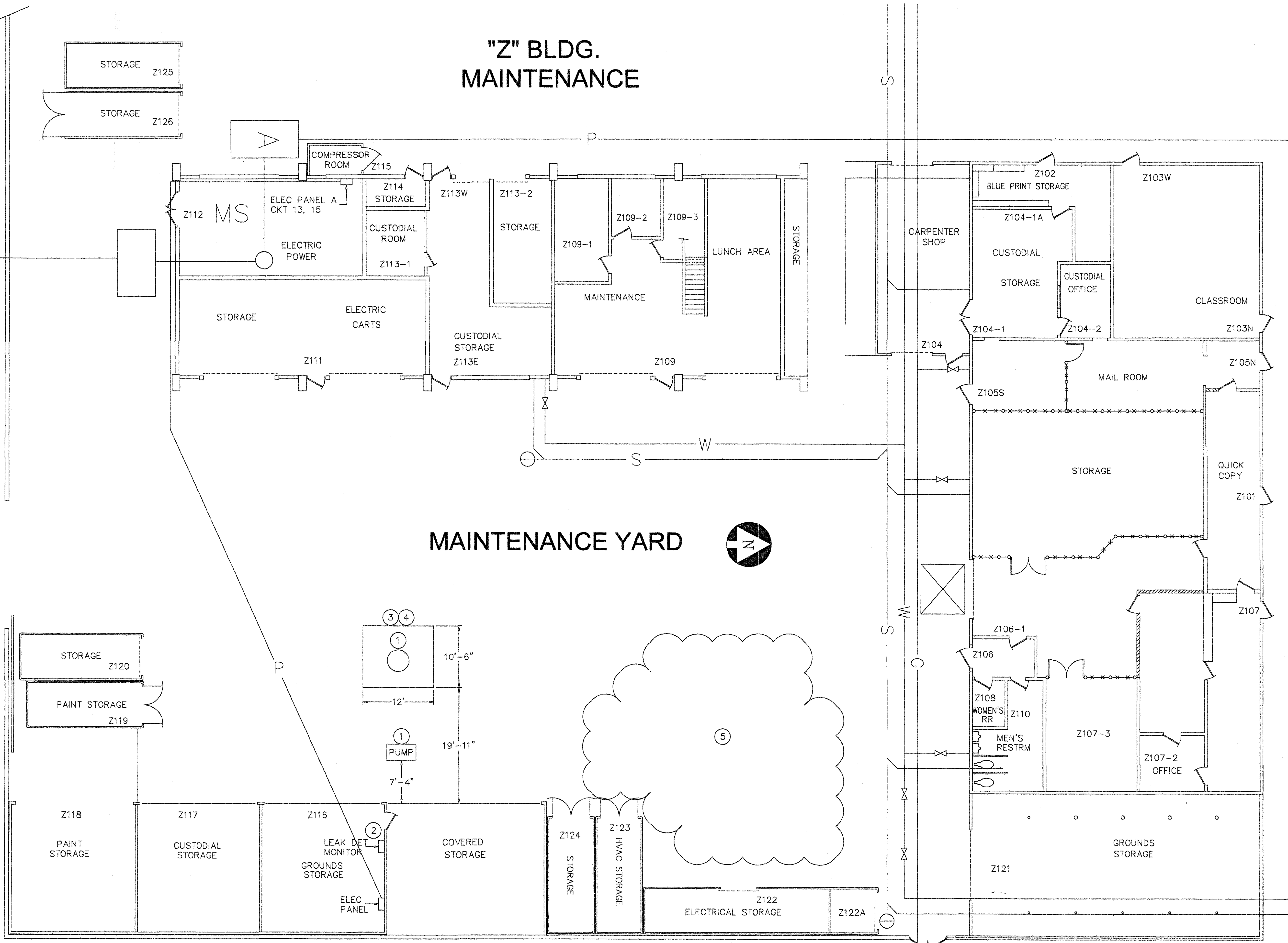


SCALE: 1/2" = 1'-0"



# "Z" BLDG. MAINTENANCE

# MAINTENANCE YARD



### GENERAL NOTES

- 1) ALL DEBRIS TO BE DISPOSED OF OFF SITE AT LOCAL DUMPSITE.
- 2) COORDINATE ALL WORK THROUGH ALEX OVIEDO AT 480-7517.

### CONSTRUCTION NOTES

- 1) DEMO EXISTING PUMP & ISLAND. REMOVE UNDERGROUND STORAGE TANK AND ALL ASSOCIATED PIPING.
- 2) REMOVE LEAK DETECTOR MONITOR PANEL.
- 3) CONCRETE PAD REPLACEMENT- 4" THICK SLAB ON GRADE, MINIMUM COMPRESSIVE STRENGTH 3,000 PSI.
- 4) **FILL AND COMPACTION REQUIREMENT:**
  - IMPORT MATERIAL SHOULD CONSIST OF CLEAN, GRANULAR SOILS WITH AN EXPANSION INDEX (EI) OF 50 OR LESS.
  - MATERIALS FOR USE AS FILL SHOULD BE EVALUATED BY NINYO & MOORE PRIOR TO IMPORTING.
  - FILL SHOULD BE FREE OF DILETERIOUS MATERIAL (I.E. ORGANIC MATERIAL, TRASH, CONSTRUCTION DEBRIS, ETC.) AND ROCKS 4 INCHES OR LARGER IN DIAMETER.
  - FILL SHOULD BE PLACED IN LOOSE LIFTS APPROXIMATELY 8 INCHES OR LESS IN THICKNESS.
  - FILL SHOULD BE MOISTURE CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT & COMPACTED TO 90 PERCENT RELATIVE COMPACTION PER ASTM TEST METHOD D 1557.
  - FILL SHOULD BE IN CONTACT WITH RELATIVELY DENSE MATERIAL ALONG THE SIDE WALLS & BOTTOM OF THE EXCAVATION.
  - AGGREGATE BASE & ASPHALT CONCRETE SHOULD CONFORM WITH "GREENBOOK" SPECIFICATIONS & BE COMPACTED TO 95 PERCENT RELATIVE COMPACTION.
- 5) STAGING AREA FOR SPOILS

### LEGEND

- S — SEWER LINE
- W — WATER LINE
- G — GAS LINE
- P — POWER
- ⊖ CLEAN-OUT
- ⊗ SHUT-OFF VALVE

### REVISION / ISSUE

NO.	DESCRIPTION	DATE
1		

DATE: APRIL 14, 2009 FILE NAME: ZBLDG1.dwg  
 JOB NO: N/A DRAWN BY: TG  
 SCALE: 1/8"=1'-0"

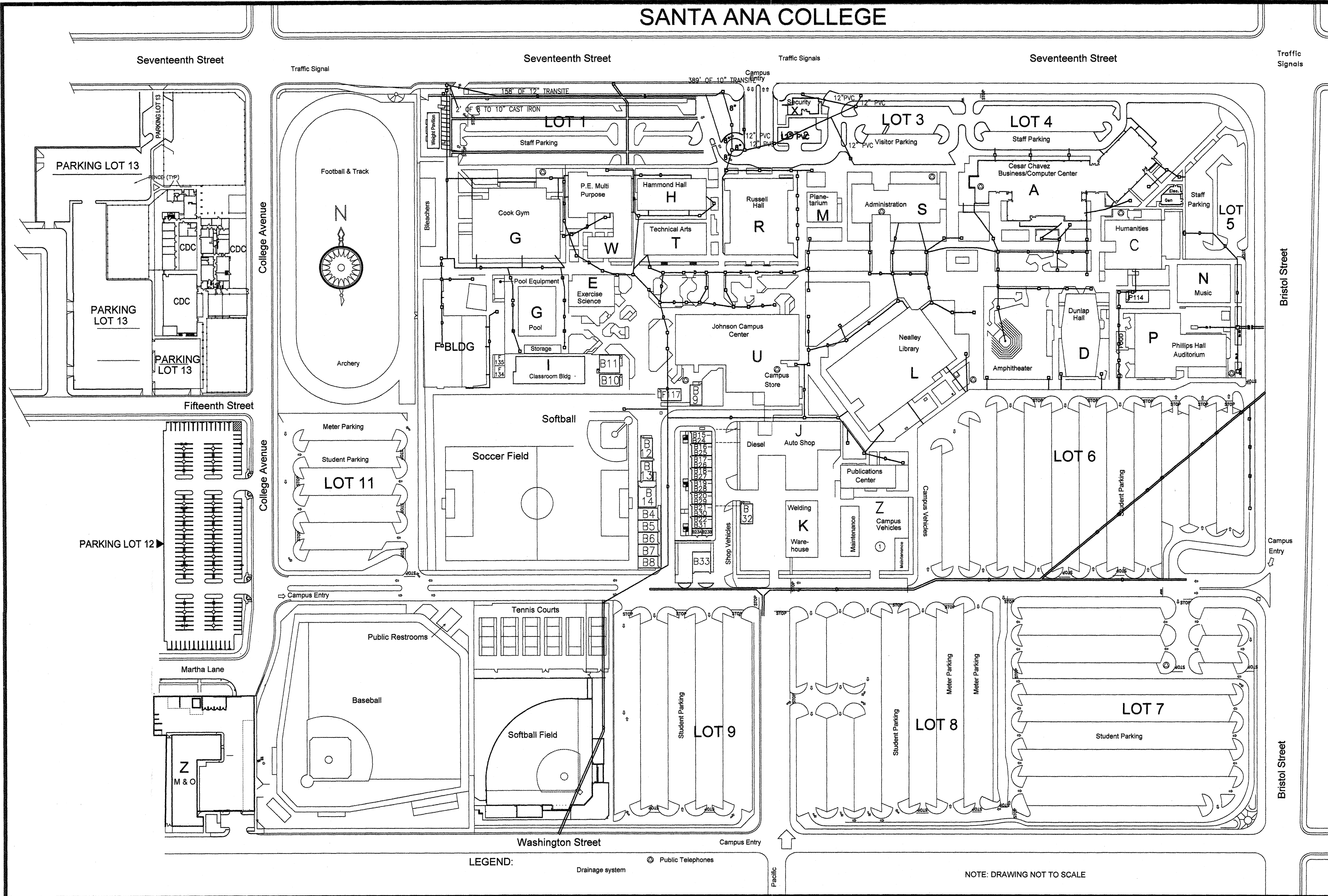


DISTRICT SUPPORT SERVICES (714) 480-7514  
 2323 N. Broadway, Santa Ana, CA. 92706-1640

## SANTA ANA COLLEGE REMOVAL OF UNDERGROUND STORAGE TANK @ MAINTENANCE YARD

SITE PLAN

# SANTA ANA COLLEGE



**GENERAL NOTES**  
 1) COORDINATE ALL WORK THROUGH ALEX OVIEDO AT 480-7517.

**CONSTRUCTION NOTES**  
 ① LOCATION OF UNDERGROUND STORAGE TANK

**LEGEND**  
 STORM DRAIN

REVISION / ISSUE		
NO.	DESCRIPTION	DATE
1	-	-

DATE: APRIL 14, 2009 FILE NAME: SACSITE2-SD.dwg  
 JOB NO: N/A DRAWN BY: TG

**RANCHO SANTIAGO**  
 COMMUNITY COLLEGE DISTRICT  
 DISTRICT SUPPORT SERVICES (714) 480-7514  
 2323 N. Broadway, Santa Ana, CA. 92708-1640

**SANTA ANA COLLEGE**  
 REMOVAL OF UNDERGROUND  
 STORAGE TANK  
 @ MAINTENANCE YARD  
 STORM DRAIN SITE PLAN

**Attachment 4**

**PRE-BID CLARIFICATION (“PBC”) FORM  
(ALL questions to be submitted on this form ONLY)**

PBC # **1**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1718-173 Science Center at Santa Ana College		
PROJECT NUMBER:	3049	DSA NUMBER:	04-115788
TO:	Allison Coburn	EMAIL:	<b>Coburn_Allison@rsccd.edu</b>

DATE:	7/28/17		
FROM:	Gil Fullen	EMAIL:	gfullen@balfourbeattyus.com

SPECIFICATION NUMBER:	RFP pg. 3. Sub Prequal	DRAWING NUMBER:	
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**REQUESTED CLARIFICATION:**

In reviewing Page 3 of the RFP for Subcontractor Prequalification, we are in the process of requesting that our MEP subcontractors complete the prequalification application (attachment #2), and our intent is to follow attachment #3 for the subcontractor procurement process once they are prequalified and list of prequalified subs is provided by the district, and once we select them, we intend on providing the Designated Subcontractor list, attachment 5 (page 5);

Question1 : We wanted to double check with the district and verify if the General Contractors need to submit anything on behalf of the Subcontractors by the August 10th deadline, as it appears that the subcontractors are submitting to the district directly? Please clarify and/or confirm.

Question2: Will List of prequalified MEP subcontractors provided by the district be a compilation of All MEP subcontractor submissions and available for all General Contractors to use and list, we presume that no MEP subcontractor will be exclusive to one GC or another? Please confirm and/or clarify. Thanks!

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

Q1: Correct, subcontractors shall submit their prequalification package (number of copies as stated in the RFP) directly to the District, no later than the date indicated in the RFP schedule on page 2. Prequalification package shall be delivered to:  
 Rancho Santiago Community College District  
 Facility Planning, District Construction and Support Services  
 2323 N. Broadway, Suite 112  
 Santa Ana, CA 92706  
 Attention: Carri M. Matsumoto, Assistant Vice Chancellor

Q2: Correct, the District will issue a prequalified subcontractor list and share with all General Contractors via addendum no later than the date indicated in the RFP schedule on page 2.

RESPONSE PROVIDED BY:	Allison Coburn	DATE:	7/31/17
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 4**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

PBC # **2**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1718-173 Science Center at Santa Ana College		
PROJECT NUMBER:	3049	DSA NUMBER:	04-115788
TO:	Allison Coburn	EMAIL:	<b>Coburn_Allison@rsccd.edu</b>

DATE:	8/1/17		
FROM:	Janice Florence University Mechanical	EMAIL:	jfflorence@umec.com
SPECIFICATION NUMBER:	Subcontractor Prequal	DRAWING NUMBER:	

**REQUESTED CLARIFICATION:**

Page 3, Subcontractor Prequalification:

Can we submit the electronic copy on a CDrom or is a thumb drive mandatory?  
Thank you,

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

CD-ROM is acceptable as well.

RESPONSE PROVIDED BY:	Allison Coburn	DATE:	8/2/17
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*



**Attachment 4**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

PBC # **3**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1718-173 Science Center at Santa Ana College		
PROJECT NUMBER:	3049	DSA NUMBER:	04-115788
TO:	Allison Coburn	EMAIL:	<b>Coburn_Allison@rsccd.edu</b>

DATE:	8/1/17		
FROM:	Janice Florence University Mechanical	EMAIL:	jfflorence@umec.com
SPECIFICATION NUMBER:	Subcontractor Prequal	DRAWING NUMBER:	

**REQUESTED CLARIFICATION:**

Where do we submit the subcontractor prequal? The same as the RFP?  
  
Rancho Santiago Community College District Facility Planning, District Construction and Support Services  
2323 N. Broadway, Suite 112  
Santa Ana, CA 92706  
  
Thank you

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

Refer to response provided in PBC#1.

RESPONSE PROVIDED BY:	Allison Coburn	DATE:	8/2/17
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 4**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

PBC # **4**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1718-173 Science Center at Santa Ana College		
PROJECT NUMBER:	3049	DSA NUMBER:	04-115788
TO:	Allison Coburn	EMAIL:	<b>Coburn_Allison@rsccd.edu</b>

DATE:	8/1/17		
FROM:	Janice Florence University Mechanical	EMAIL:	jflorence@umec.com
SPECIFICATION NUMBER:	Subcontractor Prequal	DRAWING NUMBER:	

**REQUESTED CLARIFICATION:**

What is the intent of this question:

Number of years Subcontractor has done business in California under contractor's license law?

Thank you

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

Provide number of years Subcontractor has performed business in California in accordance with the California Contractors License Law (California Business and Professions Code Chapter 9, Sections 7000 - 7191)

RESPONSE PROVIDED BY:	Allison Coburn	DATE:	8/2/17
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 4**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

**PBC #** 5  
*(RSCCD USE ONLY):*

PROJECT NAME:	RFP #1718-173 Science Center at Santa Ana College		
PROJECT NUMBER:	3049	DSA NUMBER:	04-115788
TO:	Allison Coburn	EMAIL:	<b>Coburn_Allison@rsccd.edu</b>

DATE:	08/02/17		
FROM:	H.L. Moe Co., Inc. Allison Sherman	EMAIL:	Asherman@moeplumbing.com
SPECIFICATION NUMBER:	N/A	DRAWING NUMBER:	N/A

**REQUESTED CLARIFICATION:**

I just wanted to verify, are we still required to turn in 6 hard copies and one thumb drive?  
Regarding the Electronic copy that must be submitted, may it be done via email?

Thank you.

**RESPONSE TO CLARIFICATION, SUBMITTED AS PART OF AN ADDENDUM:**

Hard copies of the pre-qualification package and GMP package shall be provided in accordance with the RFP. Email will not be an acceptable delivery of the electronic copy (CD-ROM or thumb drive only).

RESPONSE PROVIDED BY:	Allison Coburn	DATE:	8/2/17
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*

**Attachment 4**

**PRE-BID CLARIFICATION ("PBC") FORM  
(ALL questions to be submitted on this form ONLY)**

PBC # **6**  
(RSCCD USE ONLY):

PROJECT NAME:	RFP #1718-173 Science Center at Santa Ana College		
PROJECT NUMBER:	3049	DSA NUMBER:	04-115788
TO:	Allison Coburn	EMAIL:	<b>Coburn_Allison@rsccd.edu</b>

DATE:	8/3/17		
FROM:	Kristen Banda	EMAIL:	kbanda@rosendin.com

SPECIFICATION NUMBER:		DRAWING NUMBER:	
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REQUESTED CLARIFICATION:

I am currently filling out the prequalification for the Science Center at Santa Ana College. Our financial information has to be sent under a separate cover via UPS due to our size. I see that the college is requesting 6 hard copies and an electronic copy of the package. Will one hard copy of our financials suffice?

RESPONSE TO CLARIFICATION, **SUBMITTED AS PART OF AN ADDENDUM:**

Correct, only one (1) hard copy of the Firm's audited financial statement needs to be submitted.

RESPONSE PROVIDED BY:	Allison Coburn	DATE:	8/3/17
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*Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.*