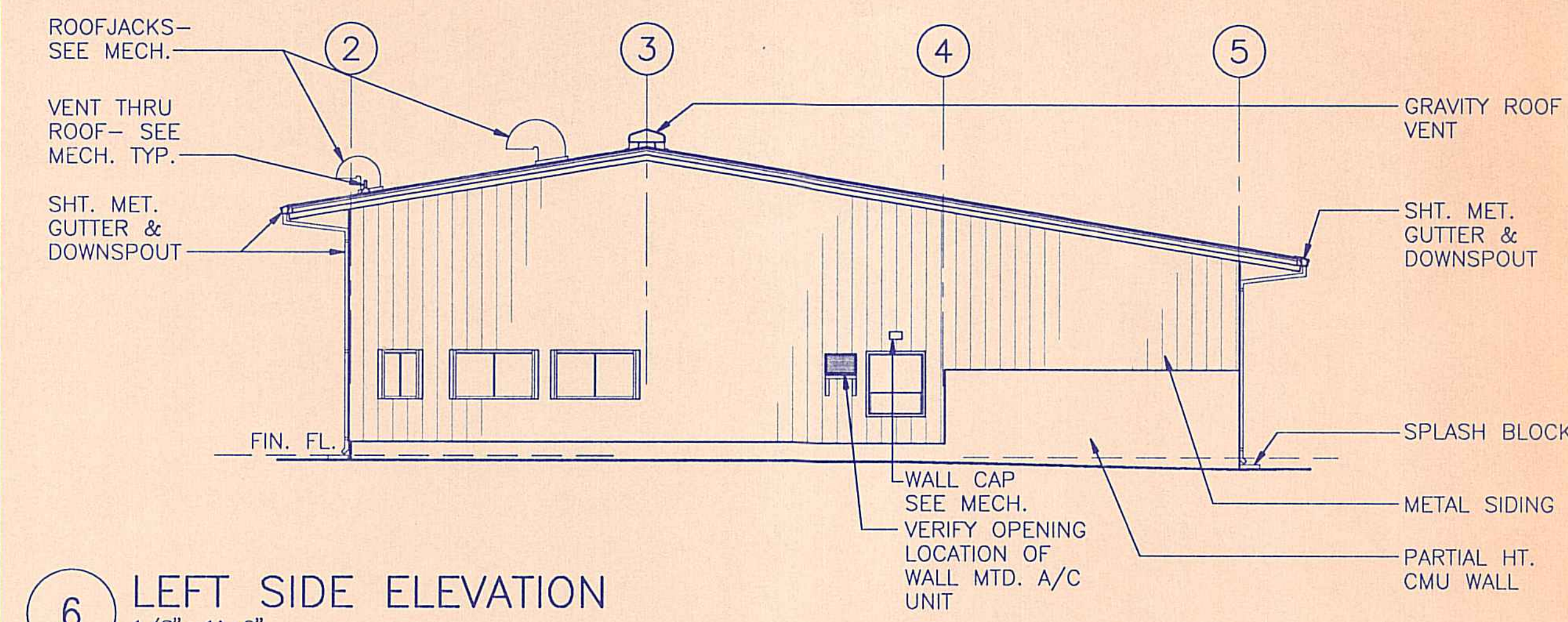
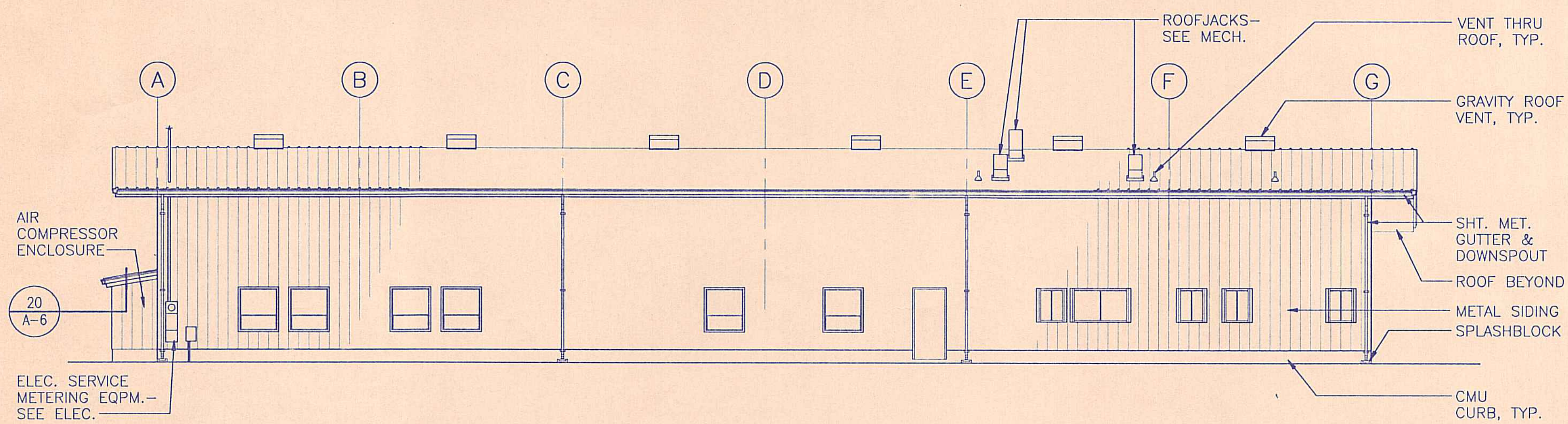


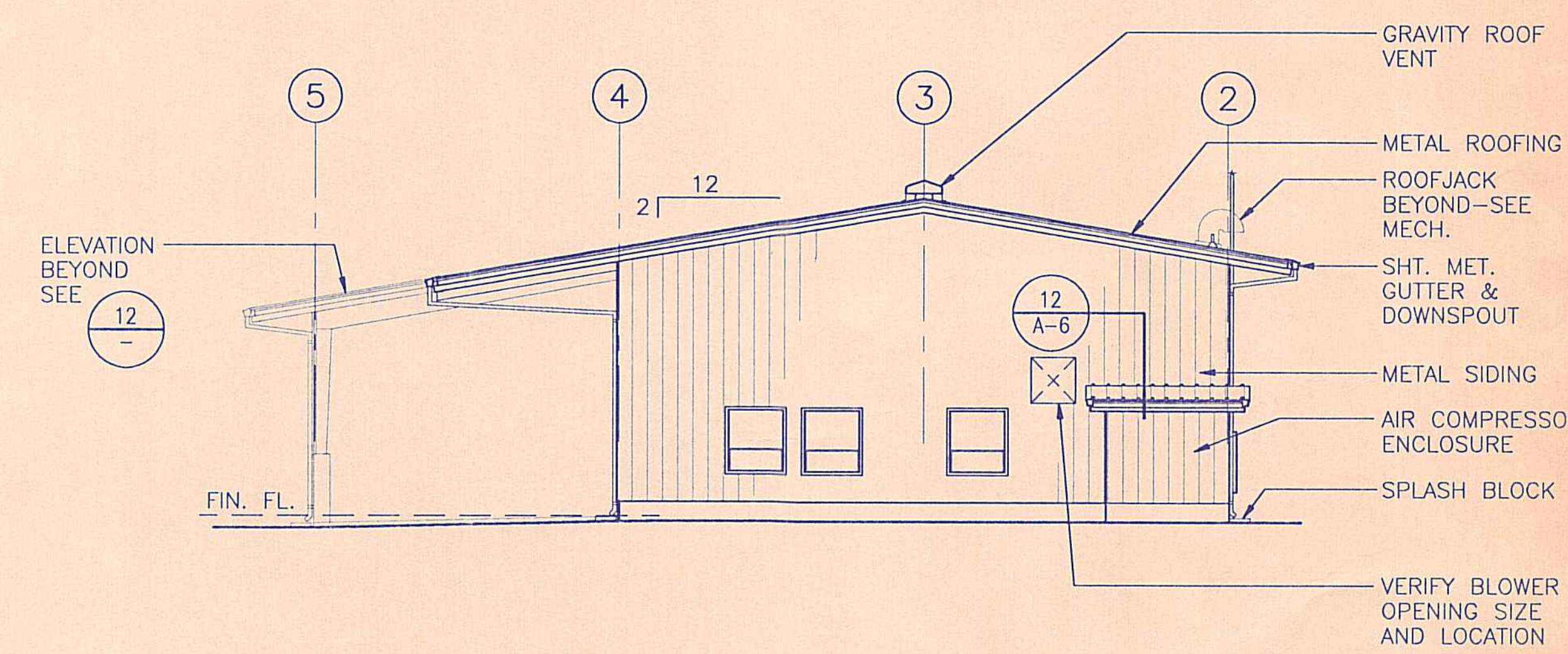
18 FRONT ELEVATION
1/8" = 1'-0"



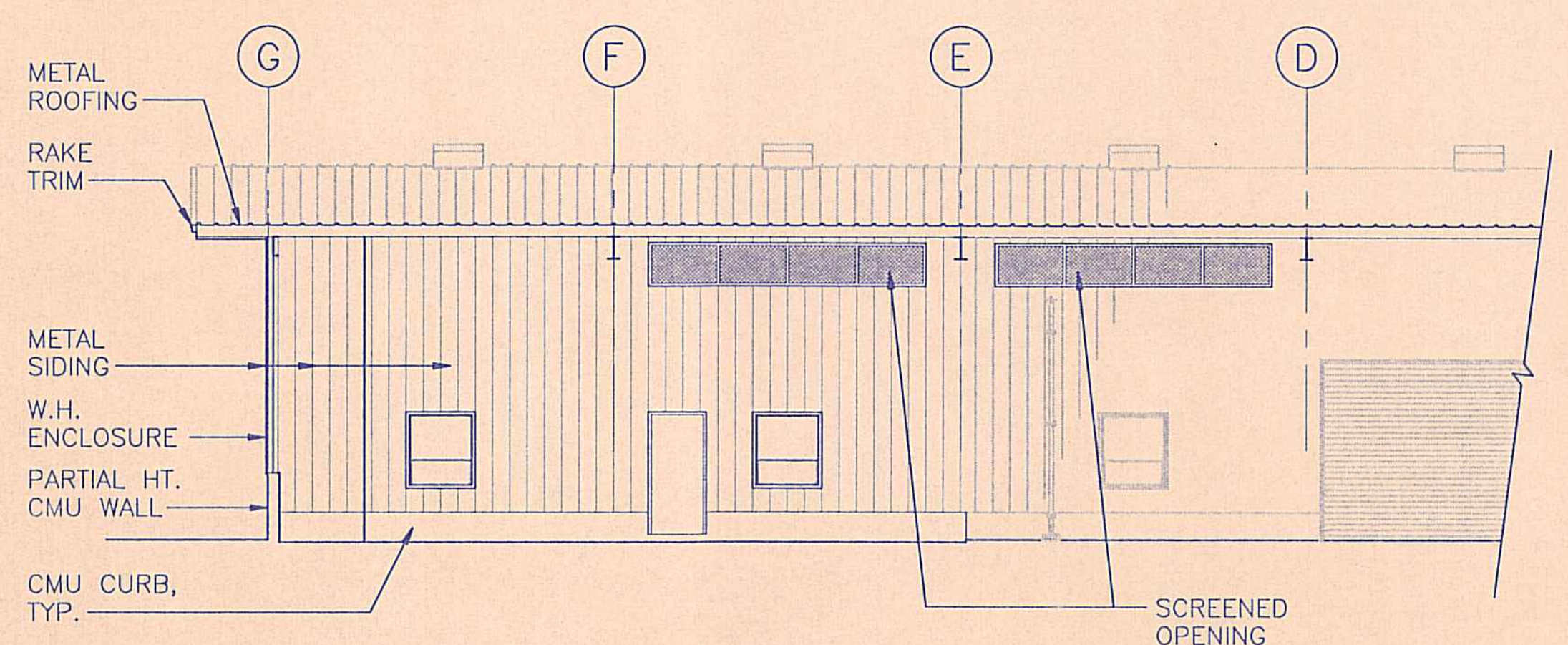
6 LEFT SIDE ELEVATION
1/8" = 1'-0"



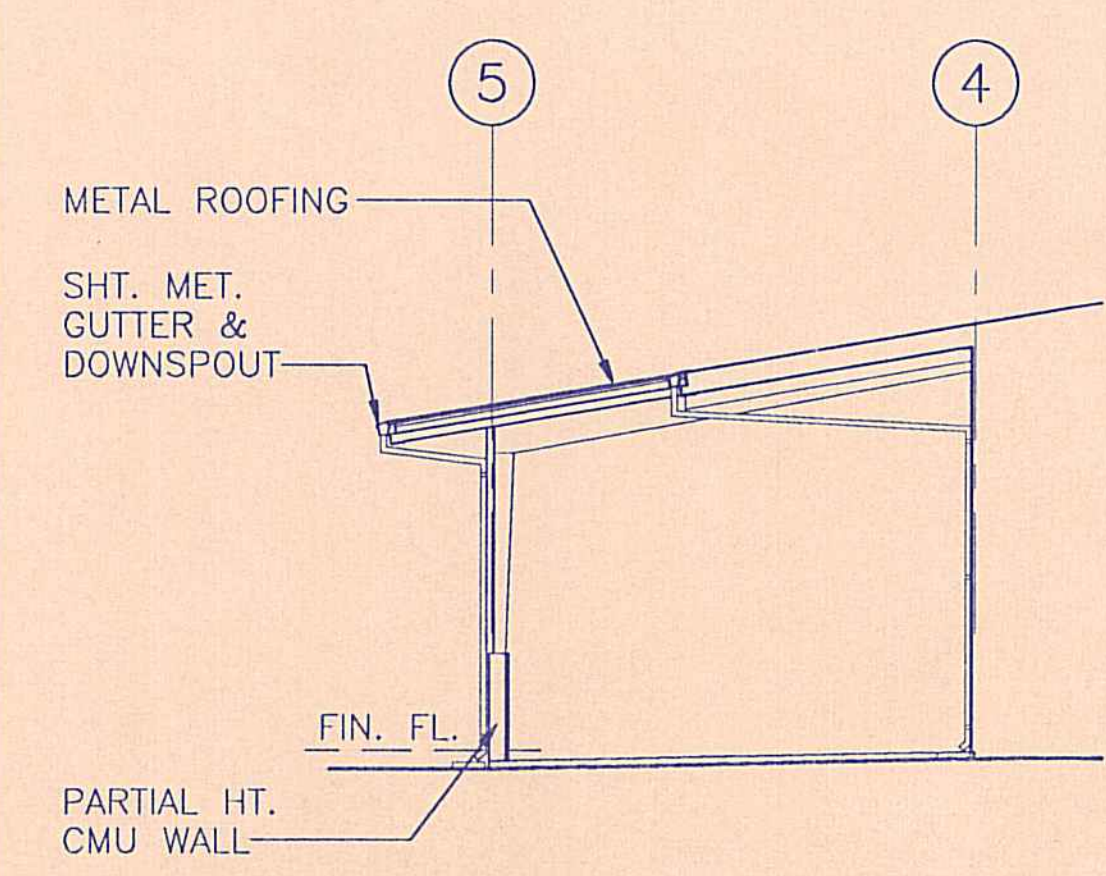
19 REAR ELEVATION
1/8" = 1'-0"



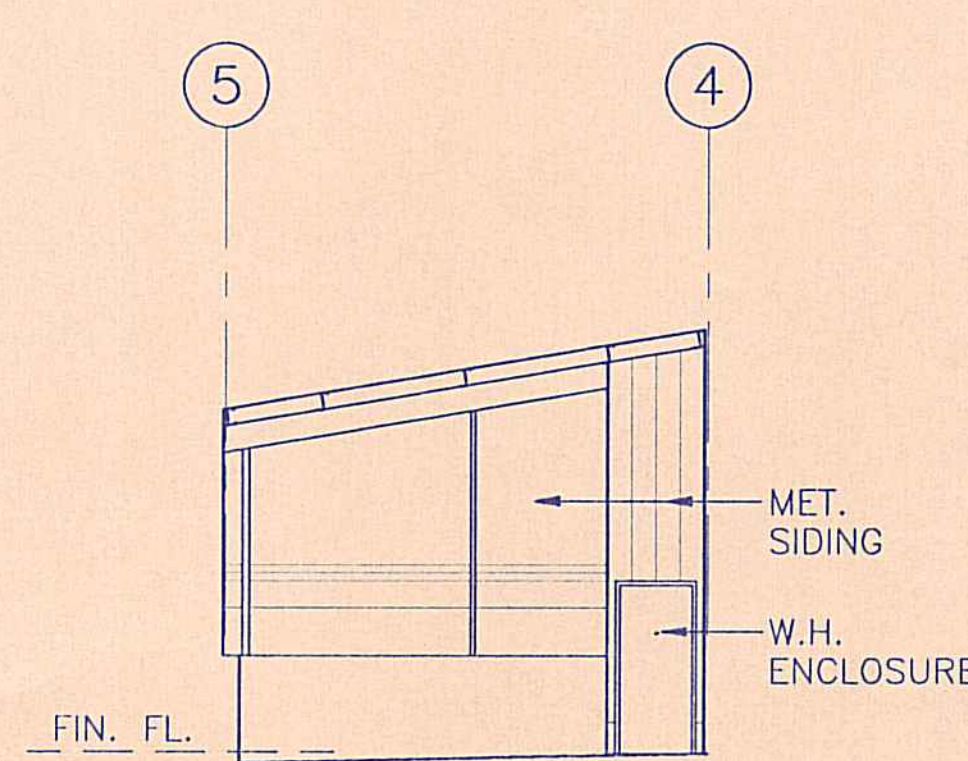
7 RIGHT SIDE ELEVATION
1/8" = 1'-0"



20 FRONT ELEVATION
1/8" = 1'-0"



12 RIGHT SIDE ELEVATION
1/8" = 1'-0"



8 RIGHT SIDE ELEVATION (INTERIOR)
1/8" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

RONALD H. KUNIMITSU
REGISTERED PROFESSIONAL ARCHITECT
No. 4456
HAWAII, U.S.A.

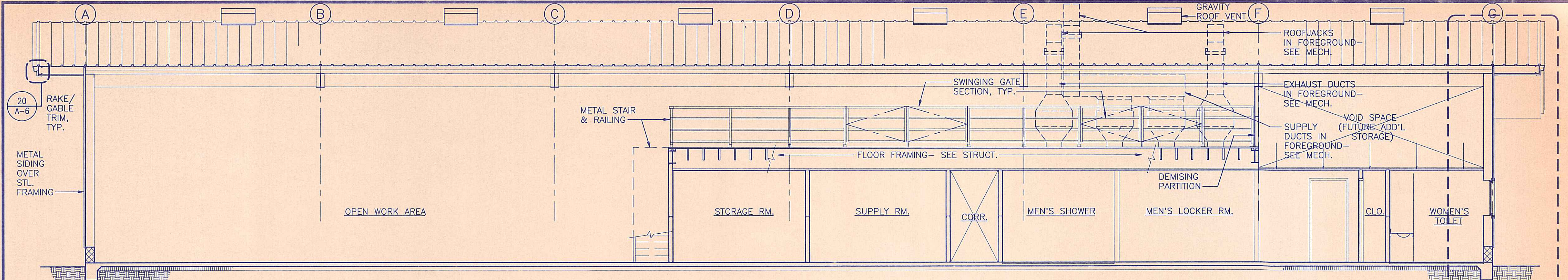
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT

STATE TREE NURSERY OPERATIONS BUILDING
LALAMILO, SOUTH KOHALA, HAWAII

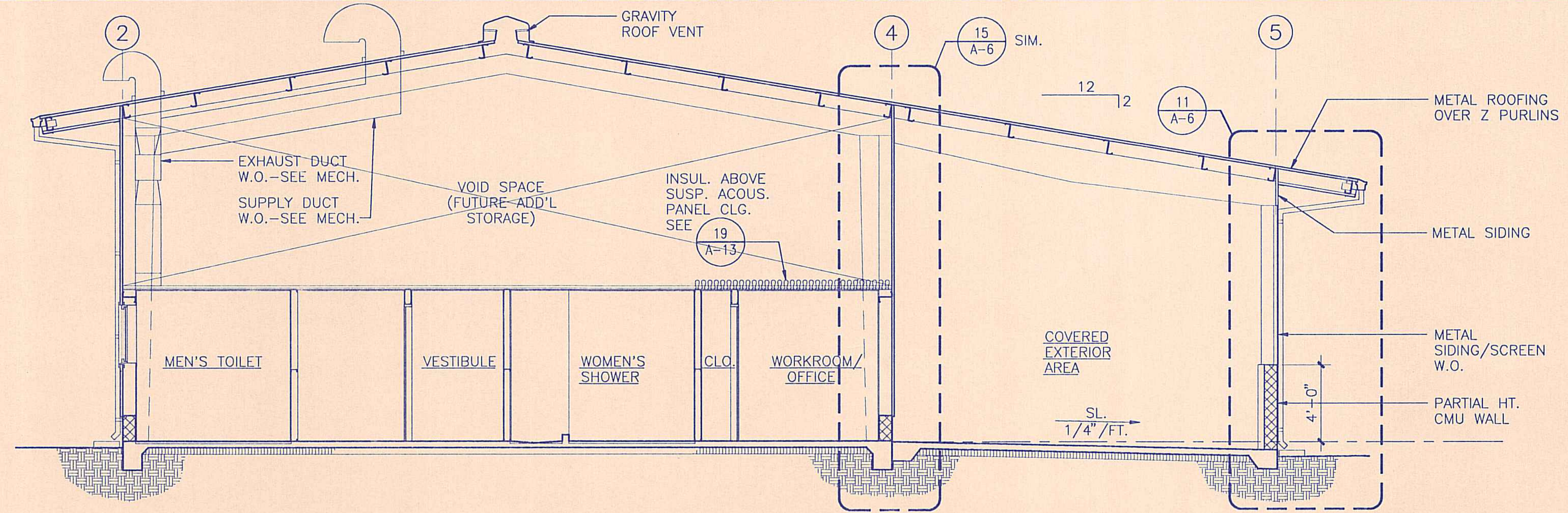
EXTERIOR ELEVATIONS

FINAL SUBMITTAL

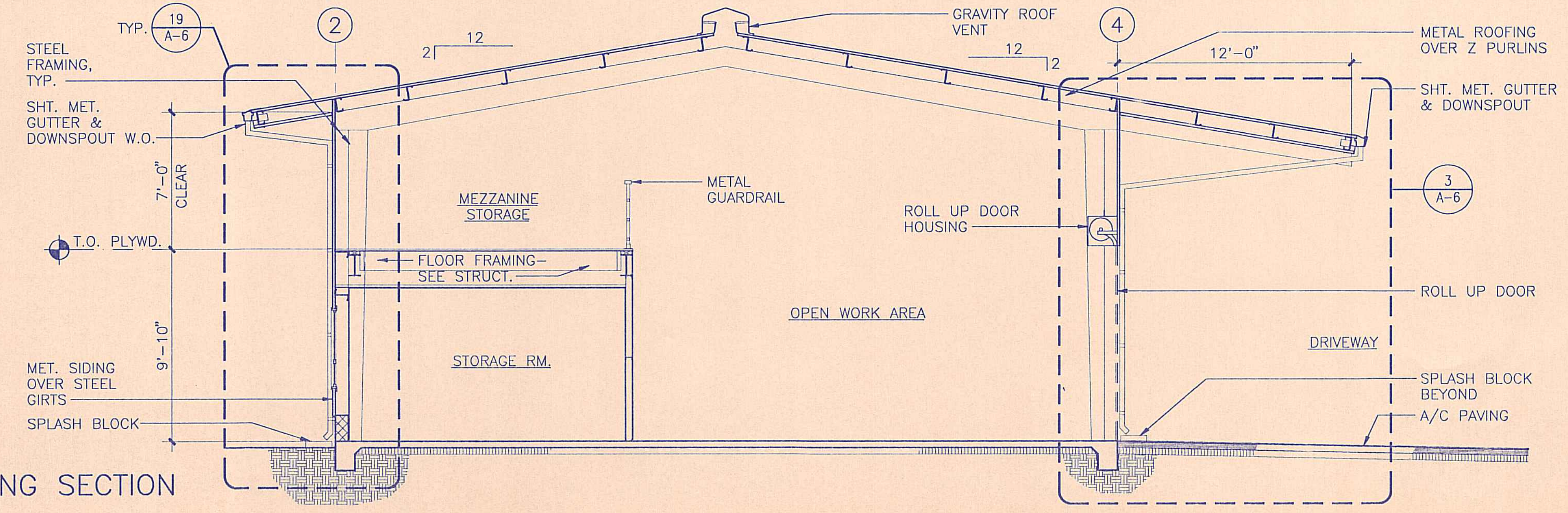
DESIGNED: EA	SUBMITTED: <i>me</i>
DRAWN: KK	DATE: MAY 12, 1994
CHECKED: WH	SCALE: 1/8" = 1'-0"
APPROVED: <i>Ronald H. Kunimitsu</i>	DRAWING NO. A-4
SIGNATURE	DATE: 5-19-94
MANAGER-CHIEF ENGINEER	DATE



18 LONGITUDINAL BUILDING SECTION
1/4" = 1'-0"



19 BUILDING SECTION
1/4" = 1'-0"



20 BUILDING SECTION
1/4" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

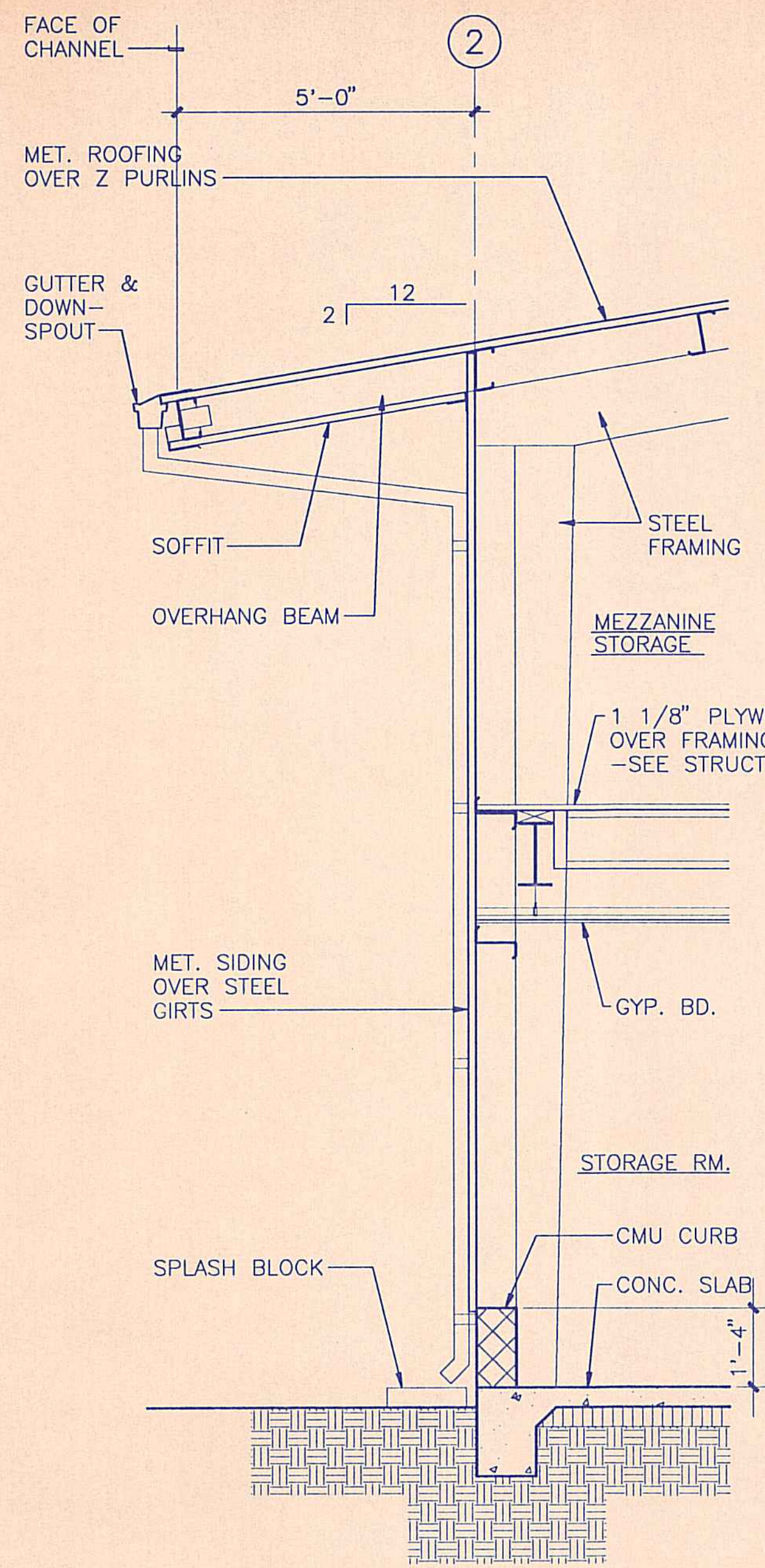
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT

STATE TREE NURSERY OPERATIONS BUILDING
LALAMILO, SOUTH KOHALA, HAWAII

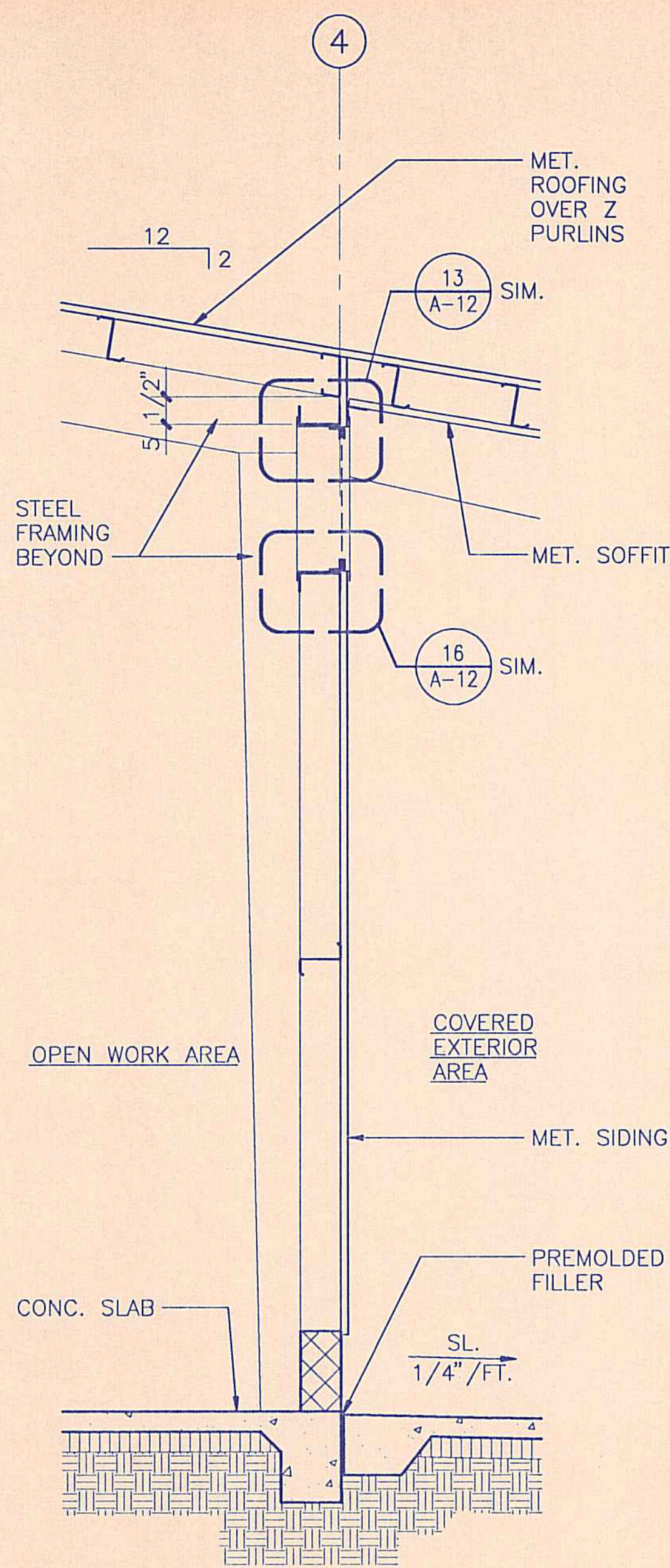
BUILDING SECTIONS

FINAL SUBMITTAL

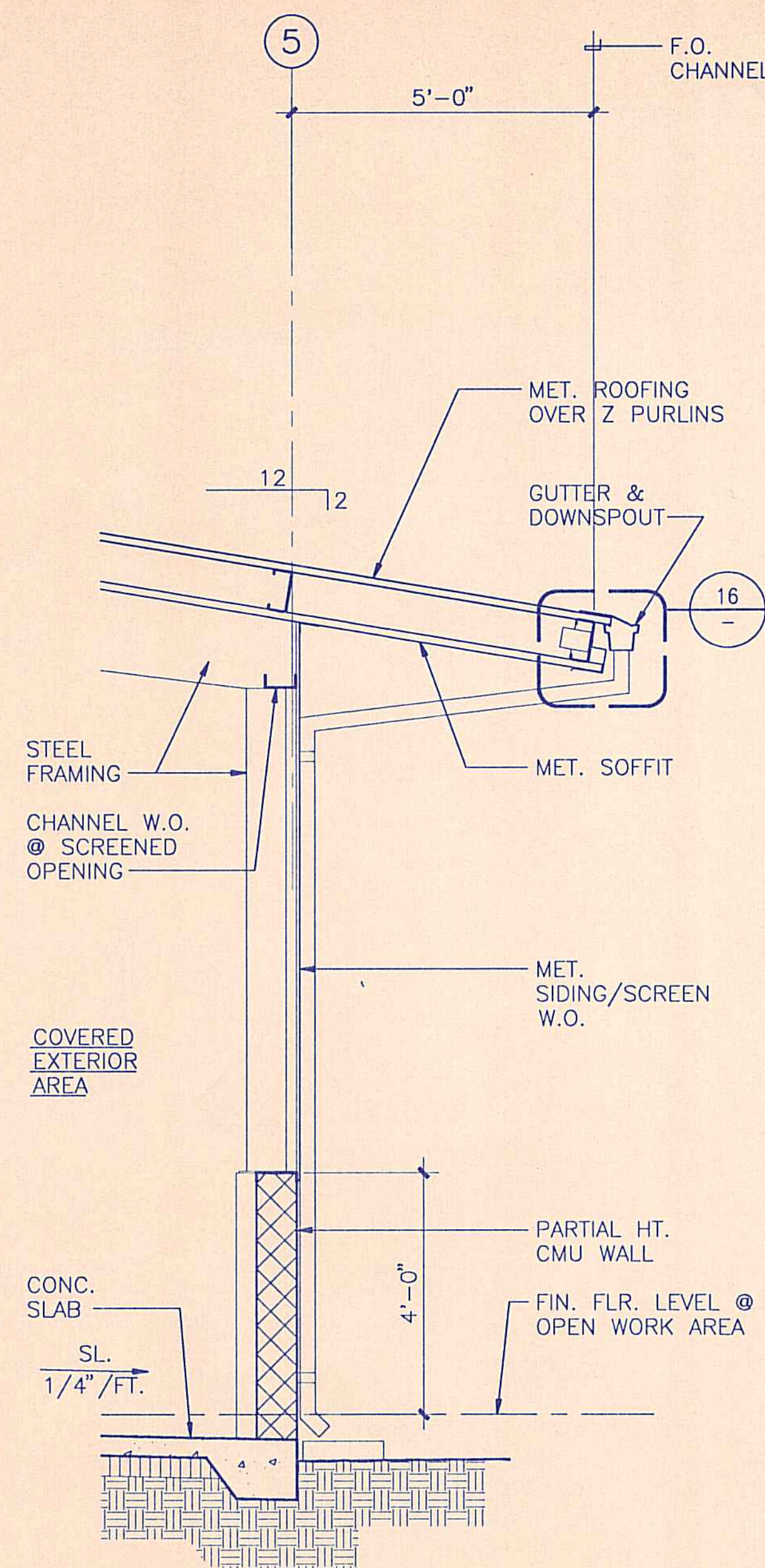
DESIGNED: EA	SUBMITTED: [Signature]
DRAWN: KK	DATE: MAY 12, 1994
CHECKED: WH	SCALE: 1/4" = 1'-0"
APPROVED: [Signature]	DRAWING NO. A-5
MANAGER-CHIEF ENGINEER	DATE



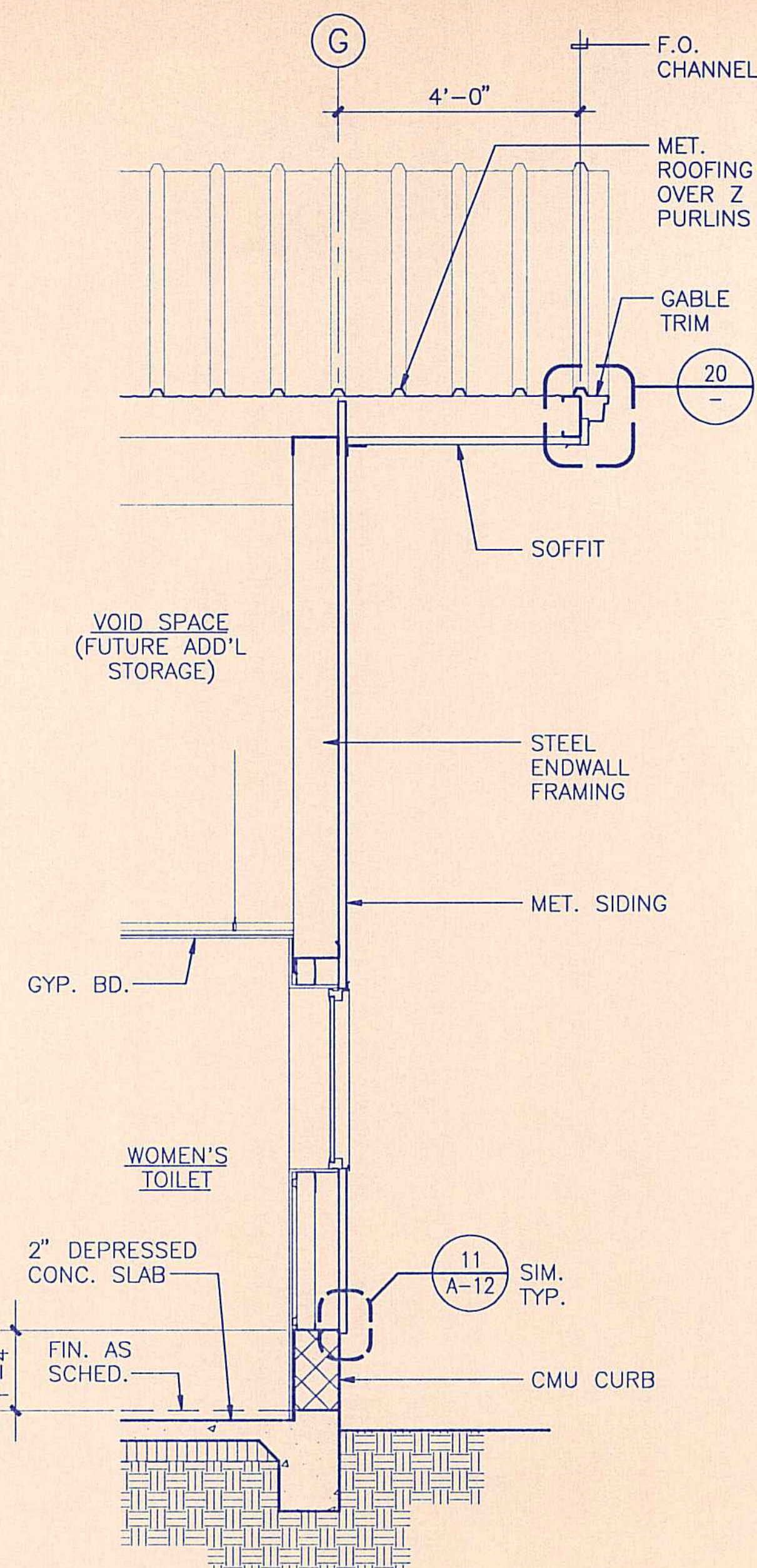
19 WALL SECTION
1/2" = 1'-0"



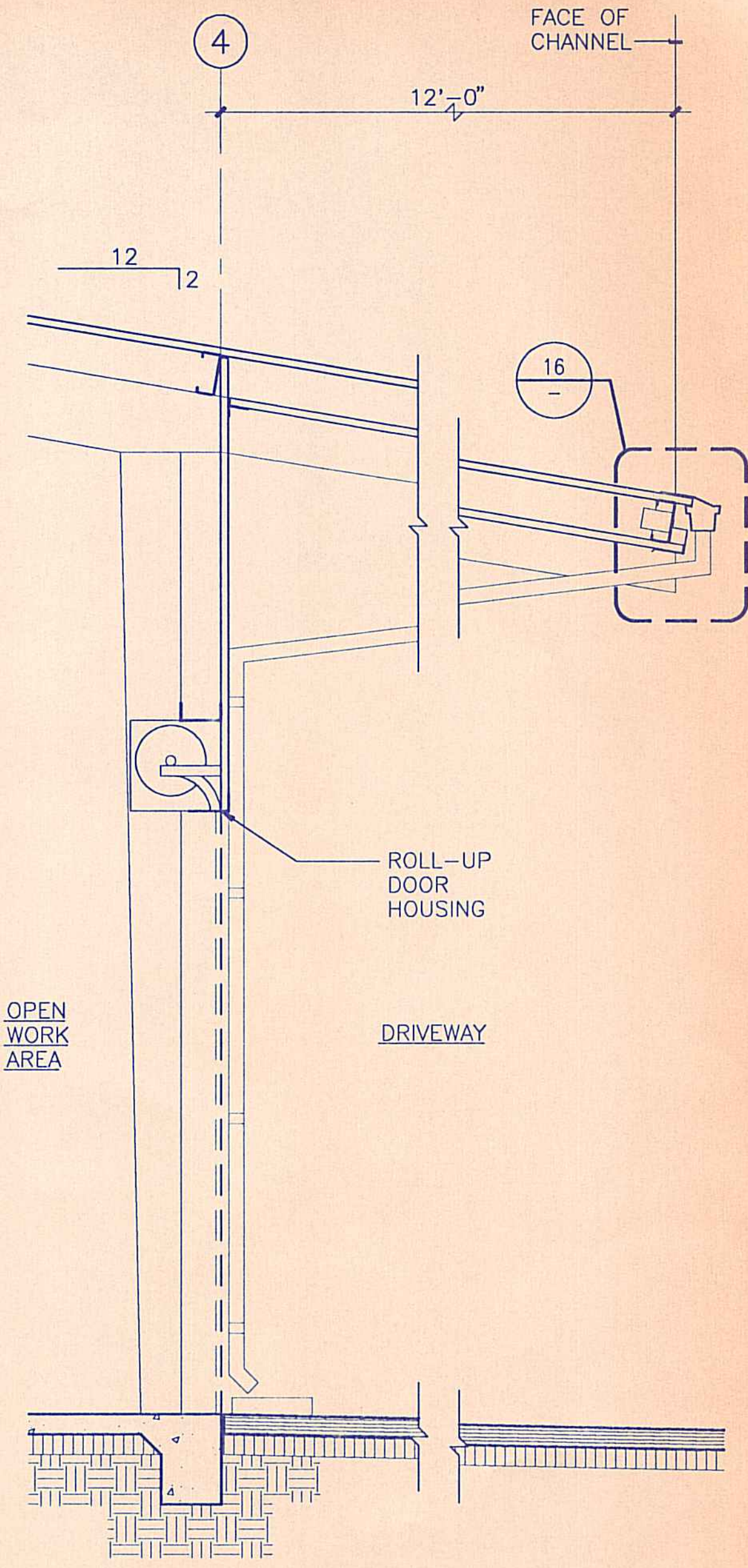
15 WALL SECTION
1/2" = 1'-0"



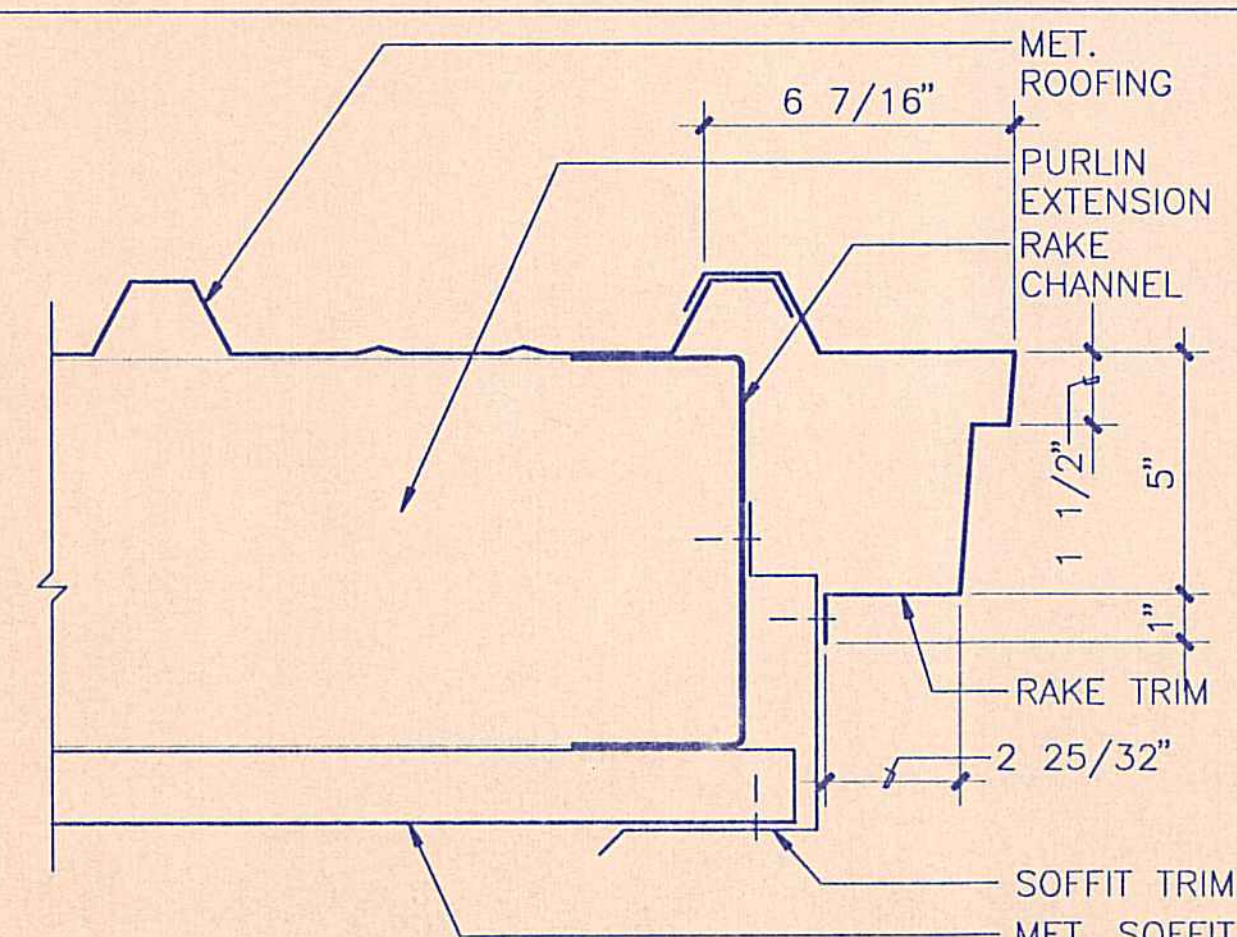
11 WALL SECTION
1/2" = 1'-0"



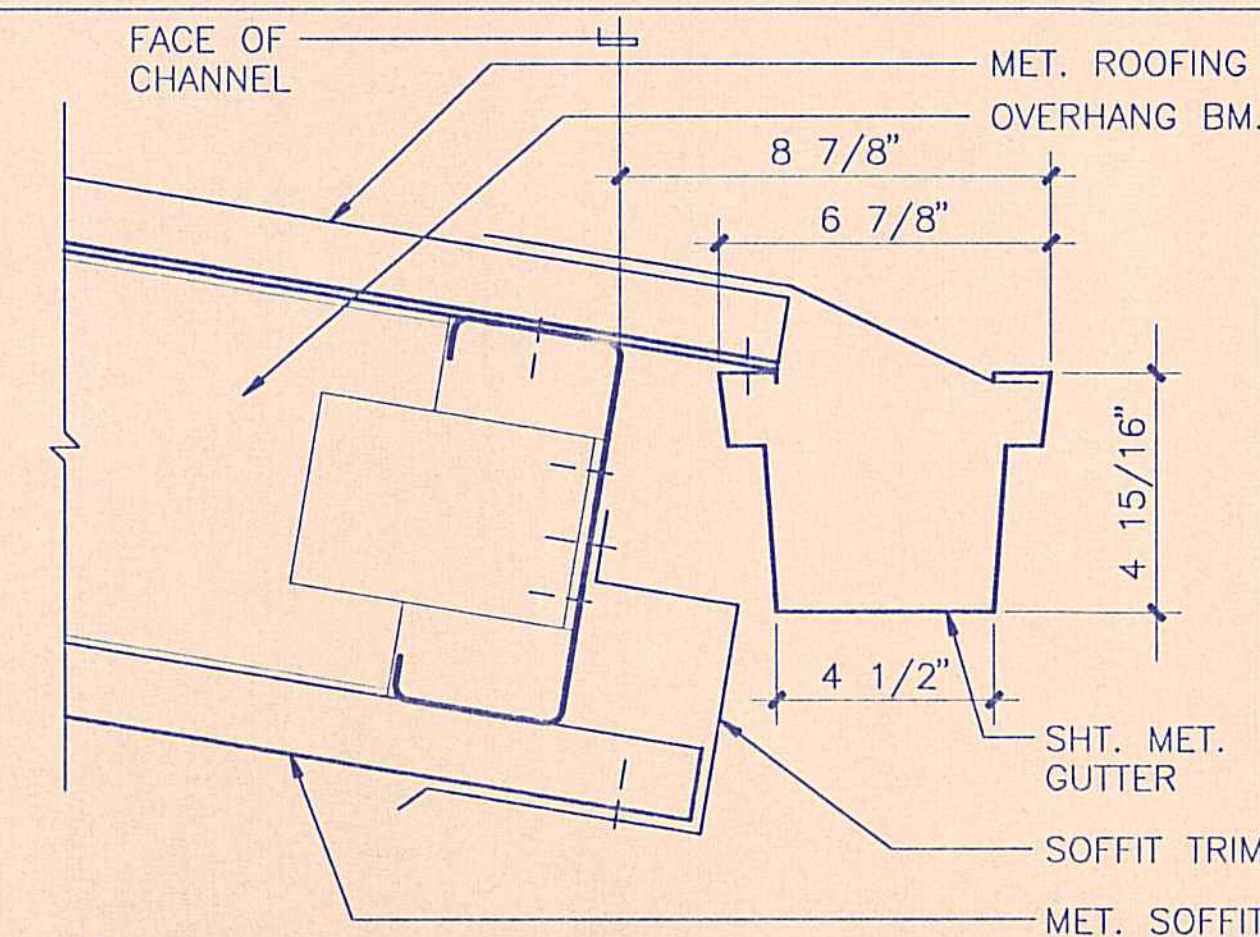
7 WALL SECTION
1/2" = 1'-0"



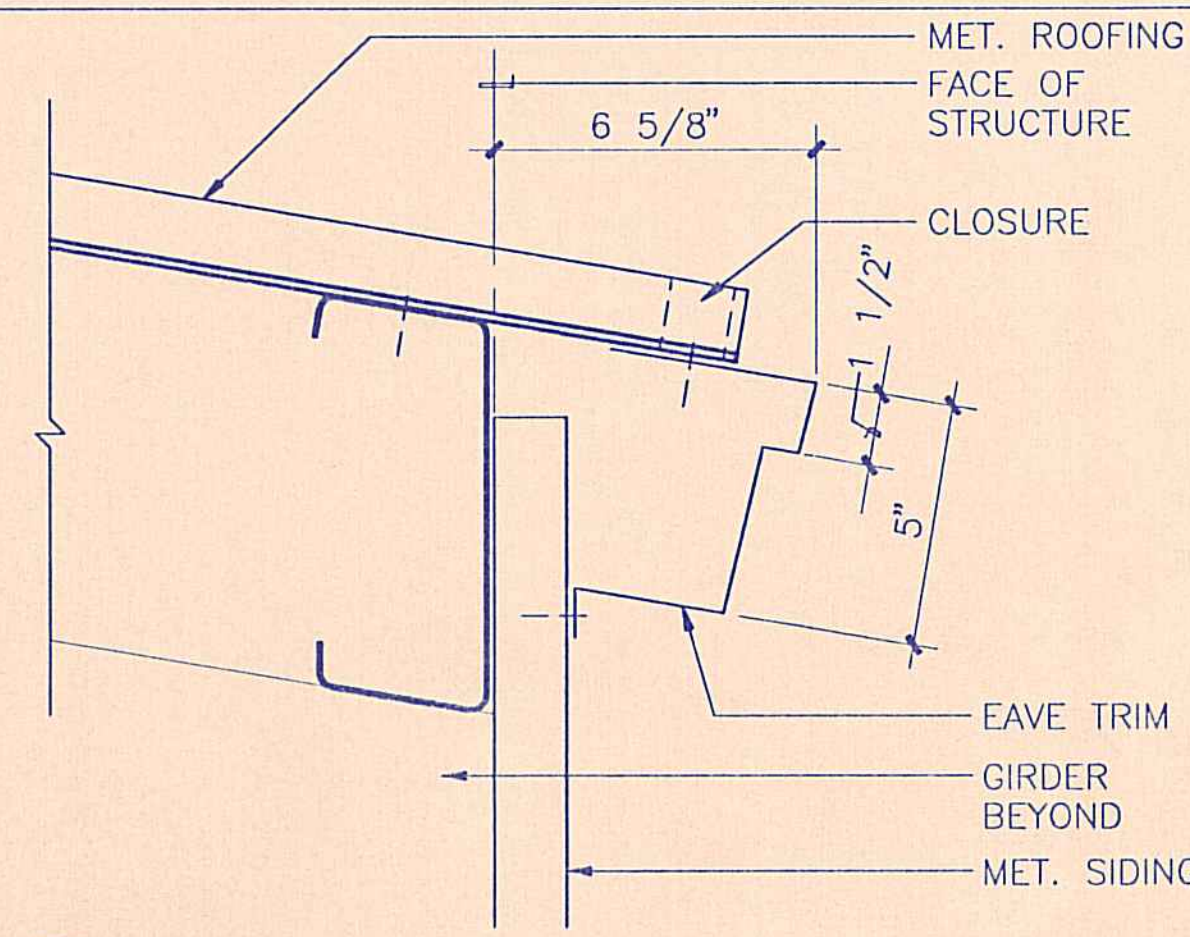
3 WALL SECTION
1/2" = 1'-0"



20 RAKE/GABLE TRIM DETAIL
3" = 1'-0"

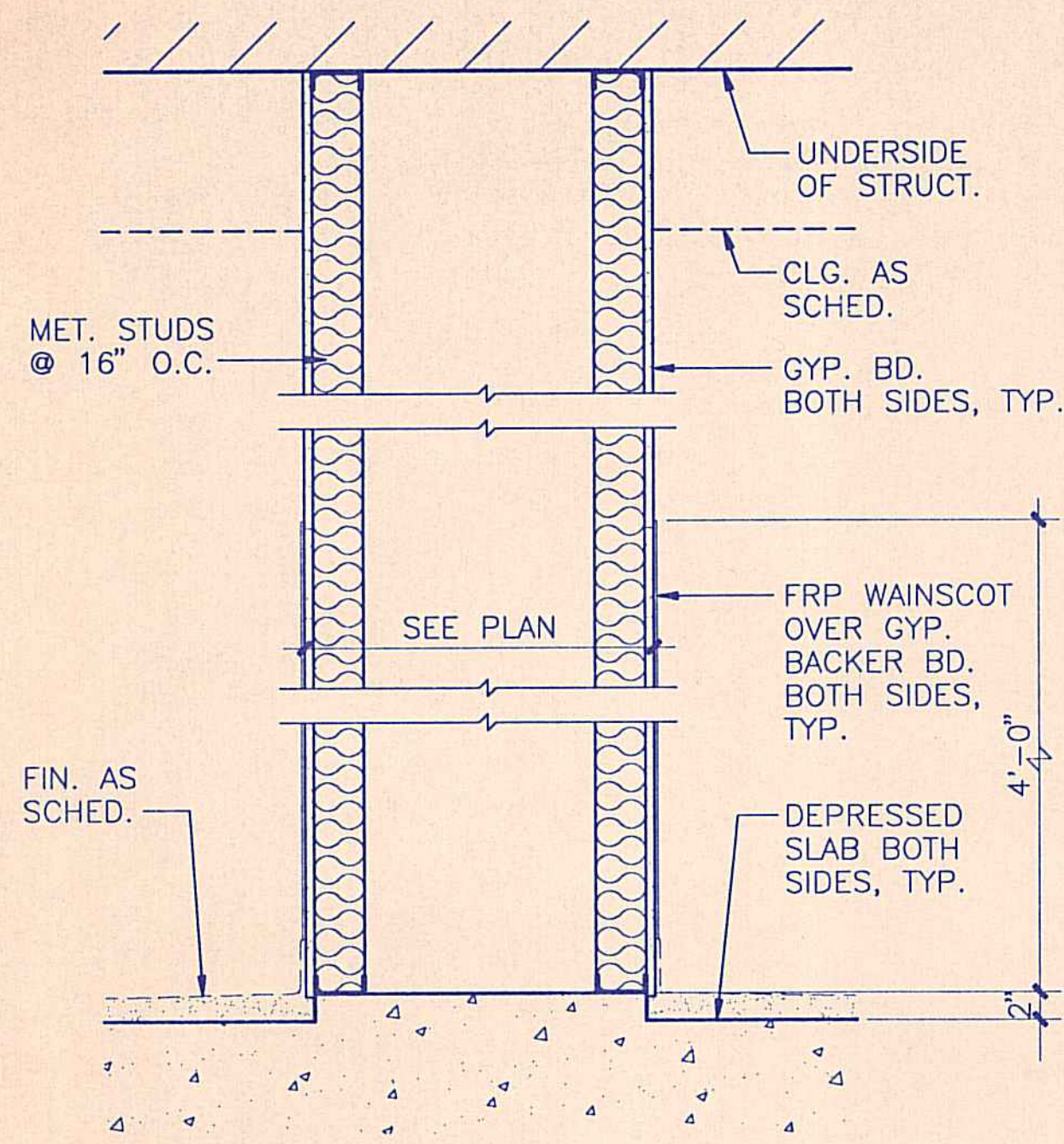


16 GUTTER DETAIL
3" = 1'-0"

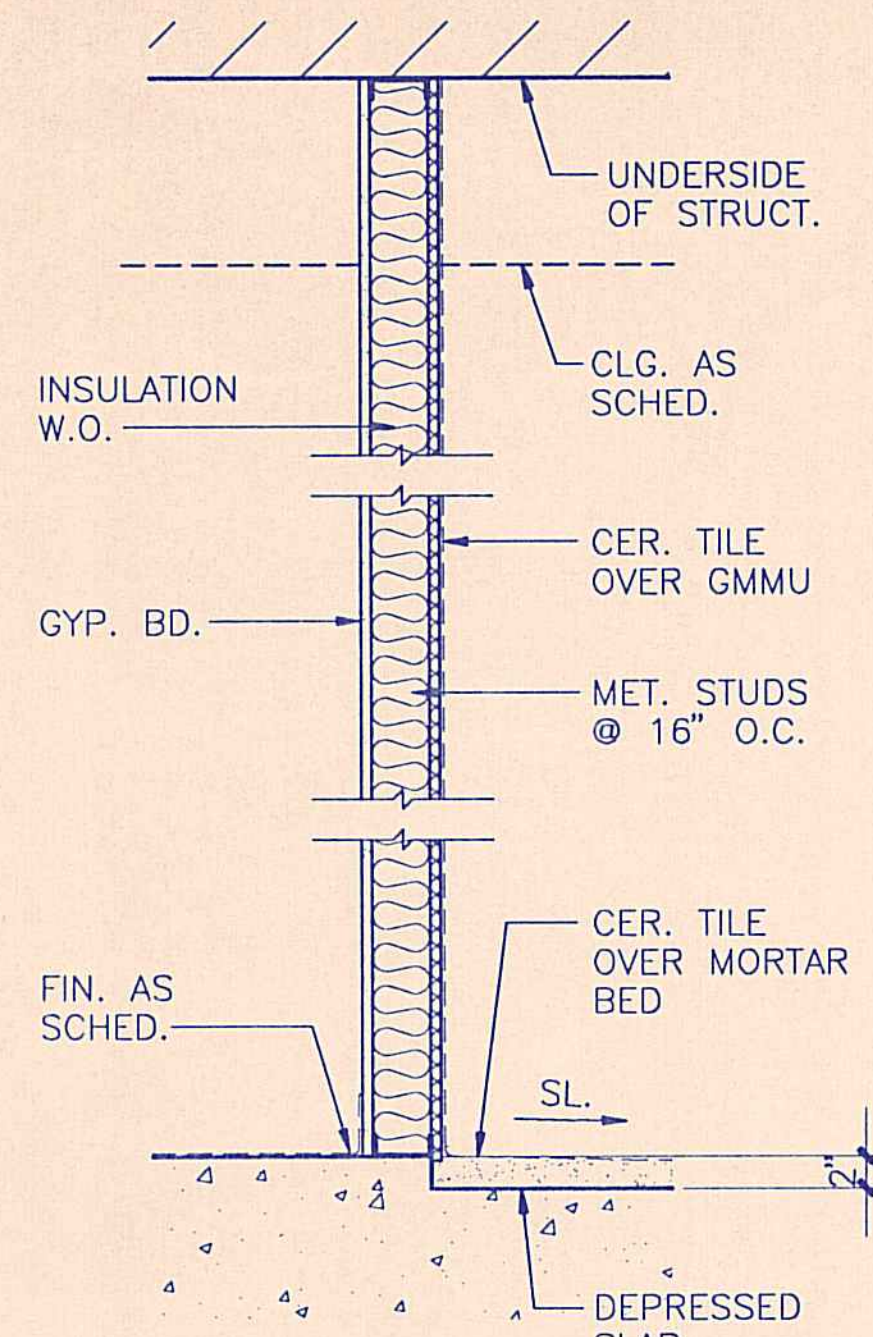


12 EAVE TRIM
3" = 1'-0"

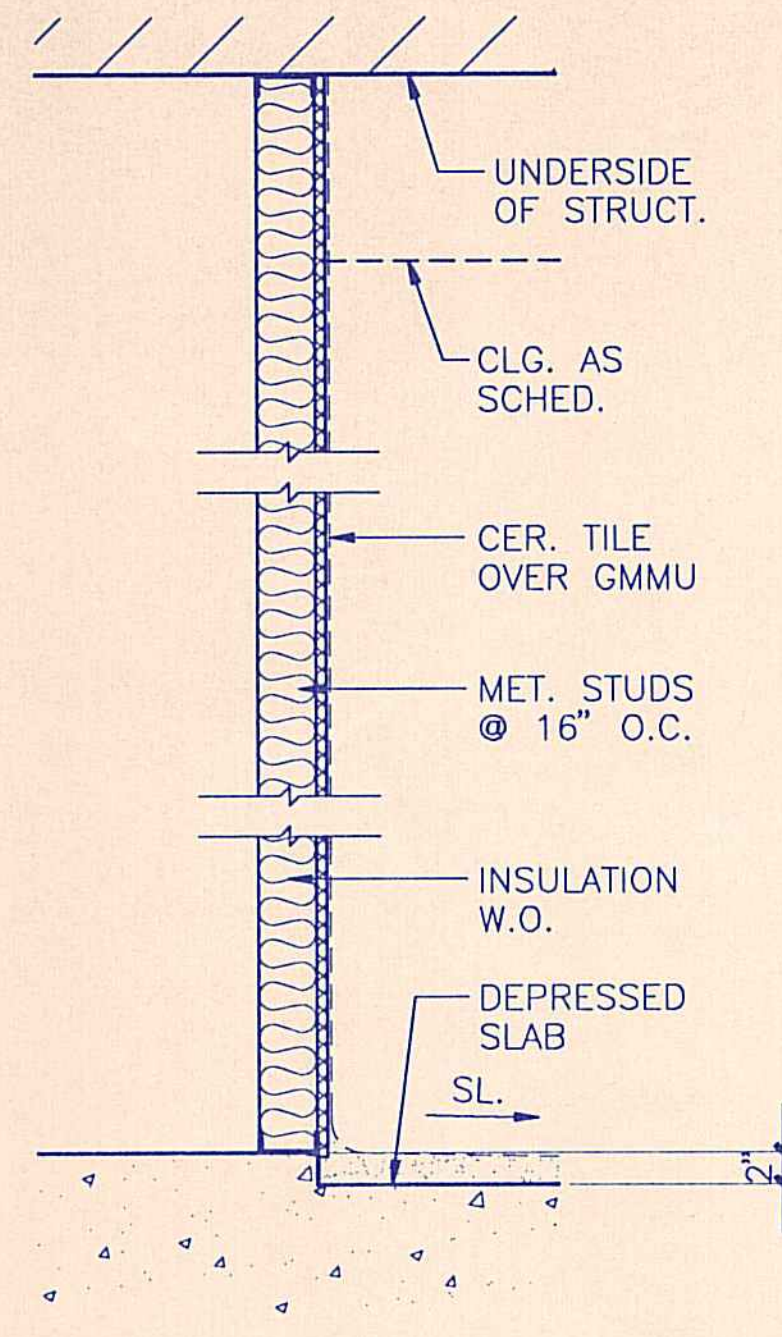
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES DIVISION OF WATER AND LAND DEVELOPMENT					
STATE TREE NURSERY OPERATIONS BUILDING LALAMILO, SOUTH KOHALA, HAWAII					
WALL SECTIONS, DETAILS					
FINAL SUBMITTAL					
DESIGNED: EA			SUBMITTED: [Signature]		
DRAWN: KK			DATE: MAY 12, 1994		
CHECKED: WH			SCALE: AS NOTED		
APPROVED: [Signature]			DRAWING NO. A-6		
MANAGER-CHIEF ENGINEER			DATE		



5 PARTITION TYPE

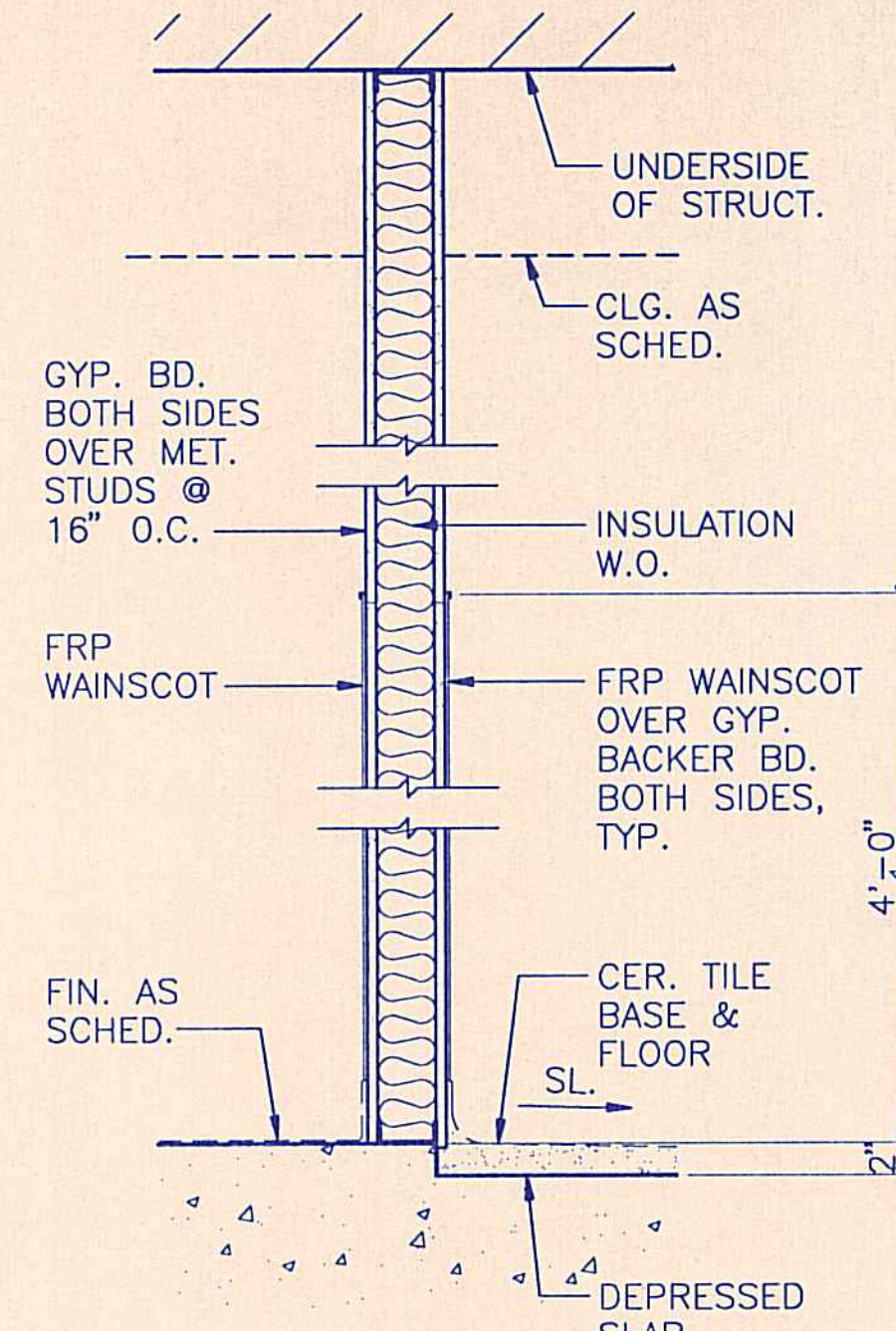


4 PARTITION TYPE



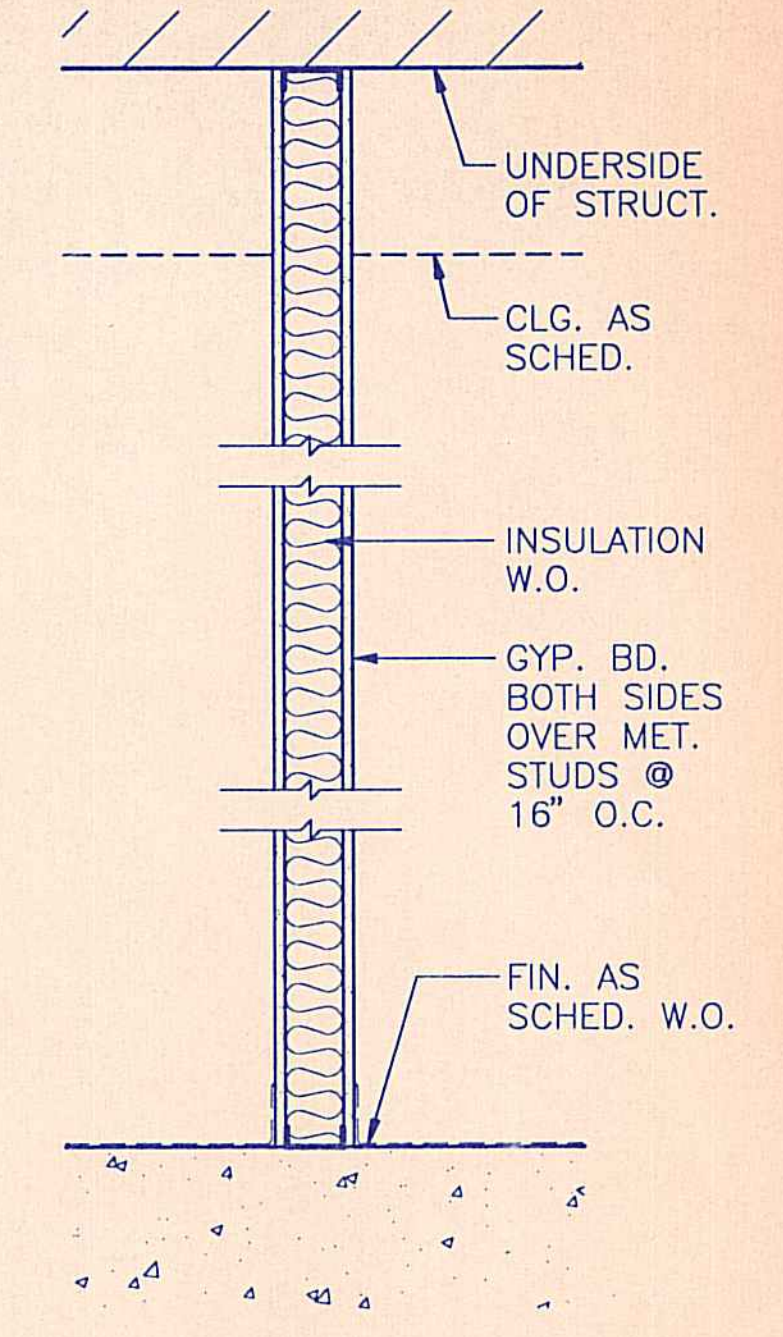
3 PARTITION TYPE

3A SAME AS 3 W/ DEPRESSED SLAB & CER. TILE OVER GMMU BOTH SIDES

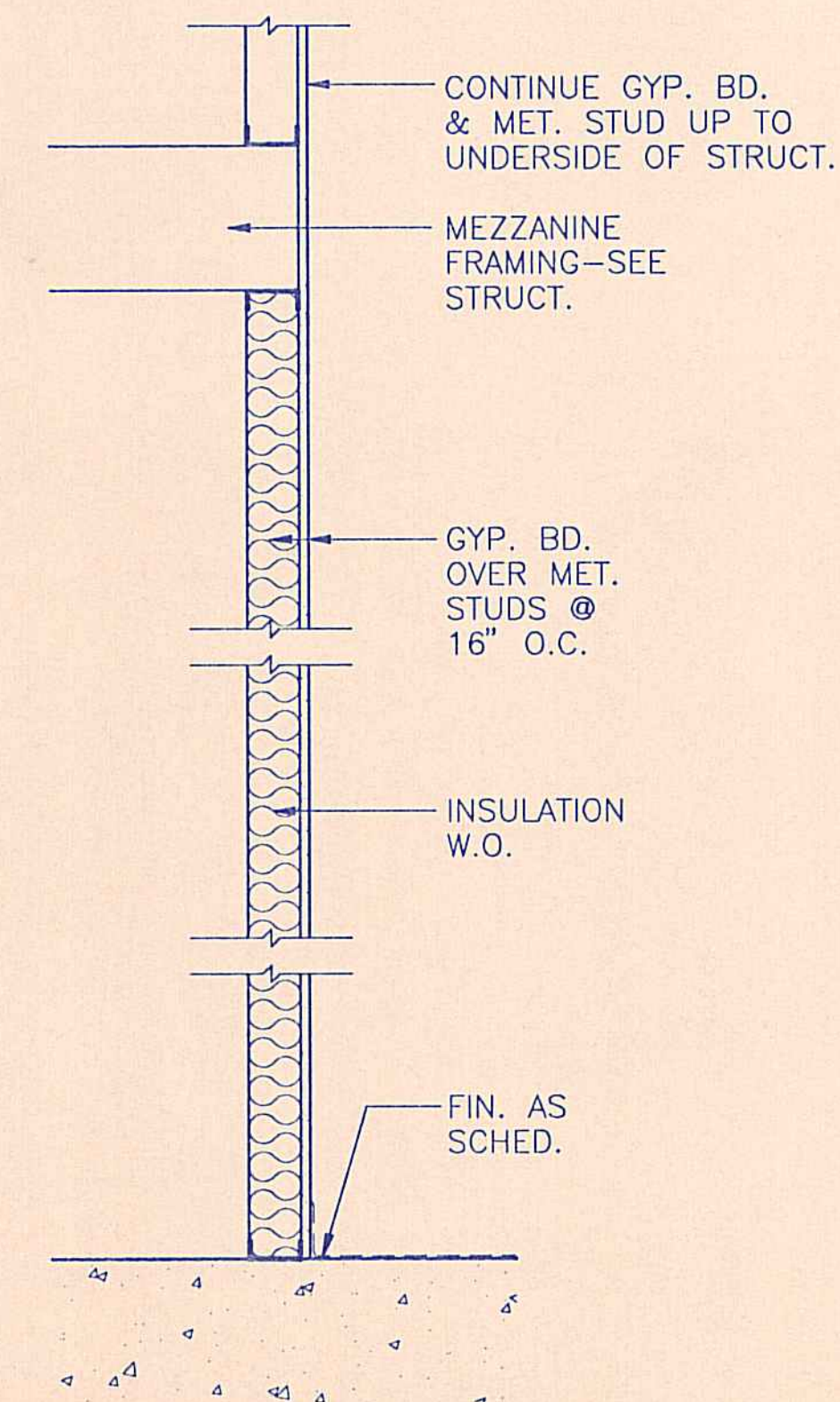


2 PARTITION TYPE

2A SAME AS 2 W/ FRP WAINSCOT @ DEPRESSED SLAB SIDE ONLY

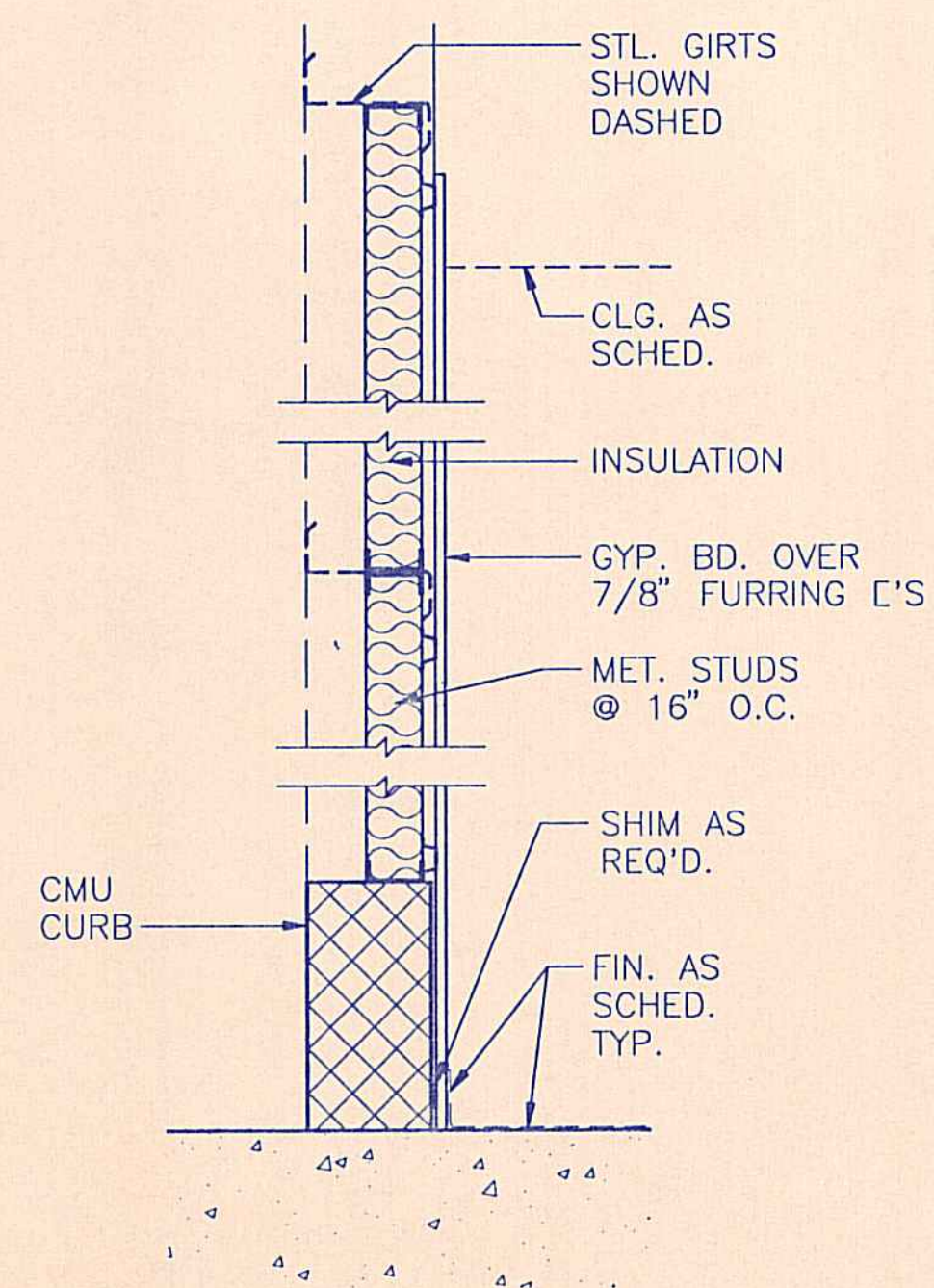


1 PARTITION TYPE

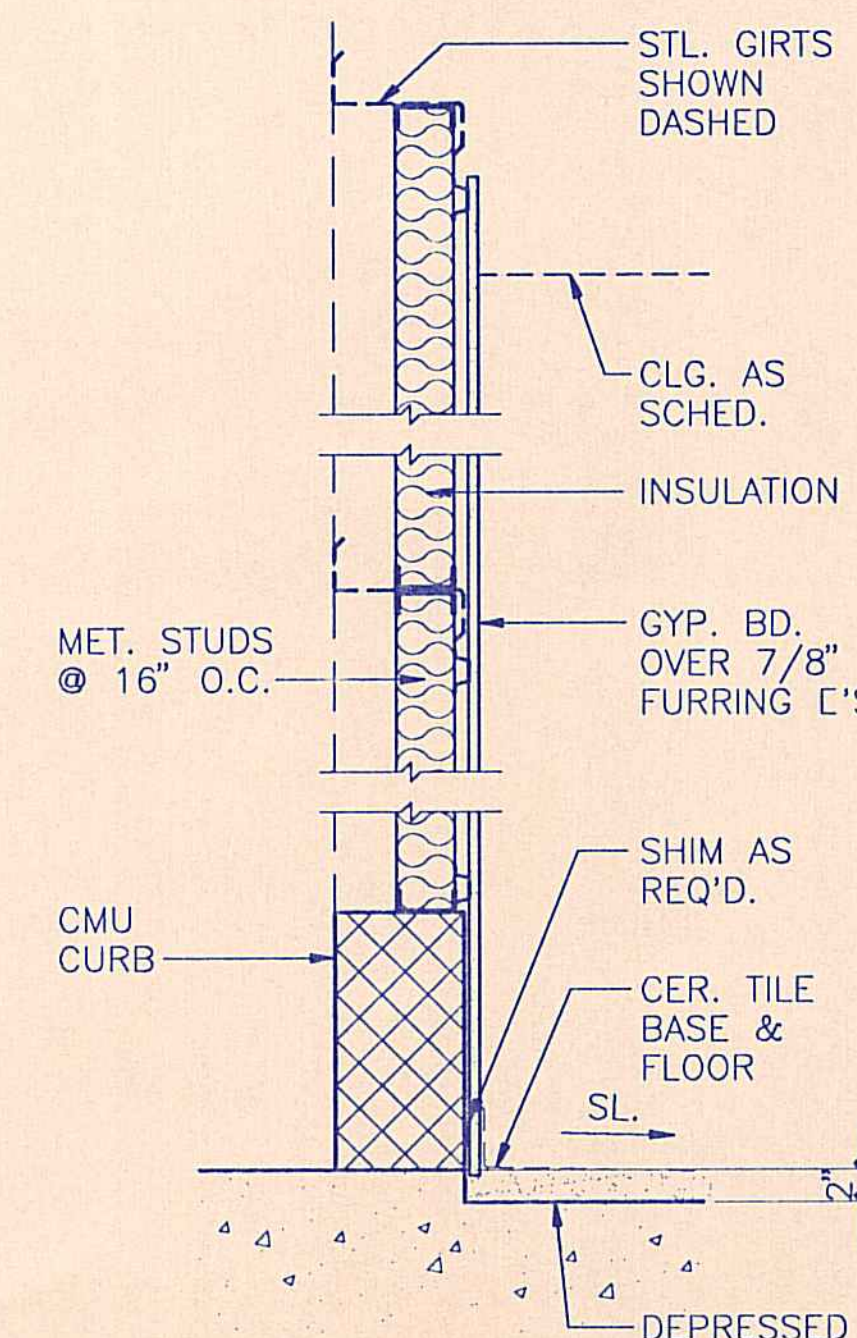


8 PARTITION TYPE

8A SAME AS 8 W/ FRAMING & GYP. BD. STOPPING @ UNDERSIDE OF MEZZ. FRAMING



7 PARTITION TYPE



6 PARTITION TYPE

6A SAME AS 6 W/ 4'-0" FRP WAINSCOT ON GYP. BACKER BD. @ DEPRESSED SLAB SIDE

PARTITION TYPE NOTES

- REFER TO ENLARGED FLOOR PLAN ON SHT. A-2 FOR EXTENT OF WALL INSULATION.
- METAL STUDS TO BE 3 5/8" TYP., UNLESS OTHERWISE NOTED.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

RONALD H. KUMIMATSU
REGISTERED PROFESSIONAL ARCHITECT
No. 4456
HAWAII, U.S.A.

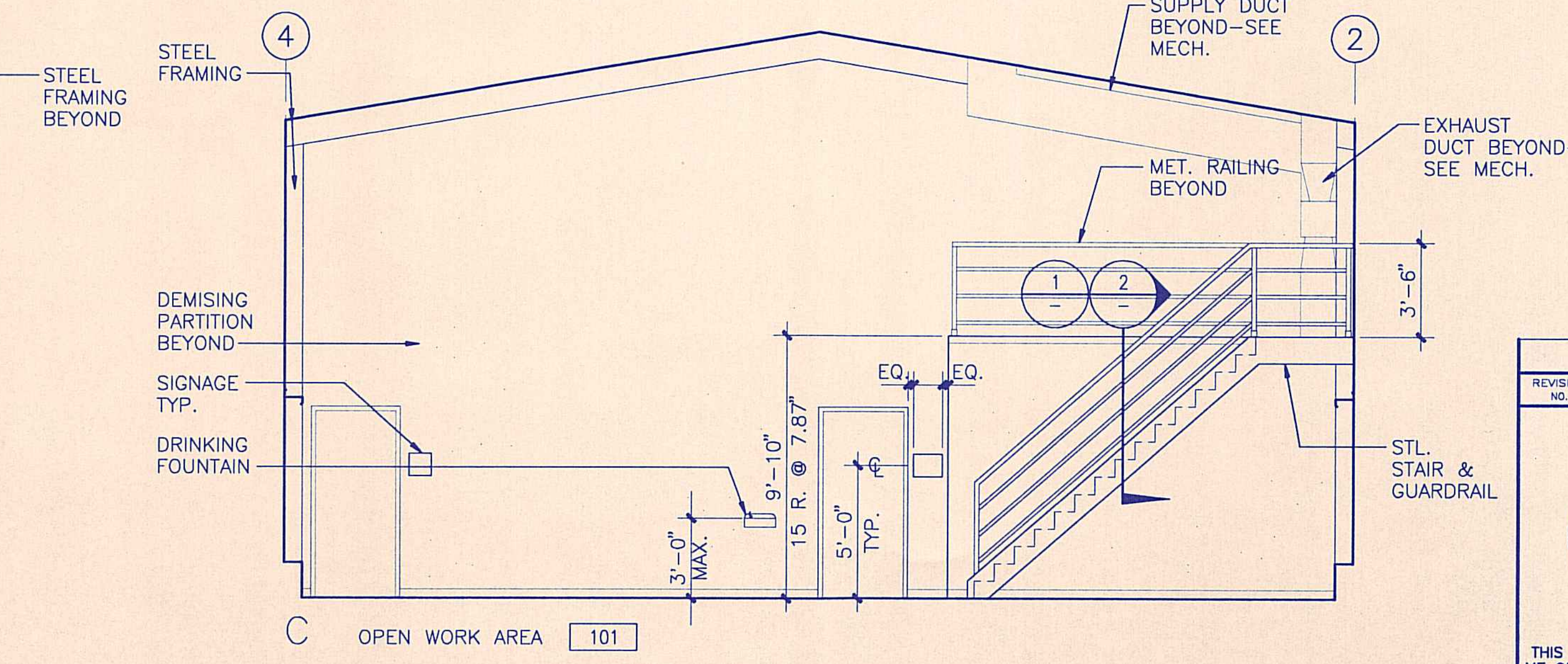
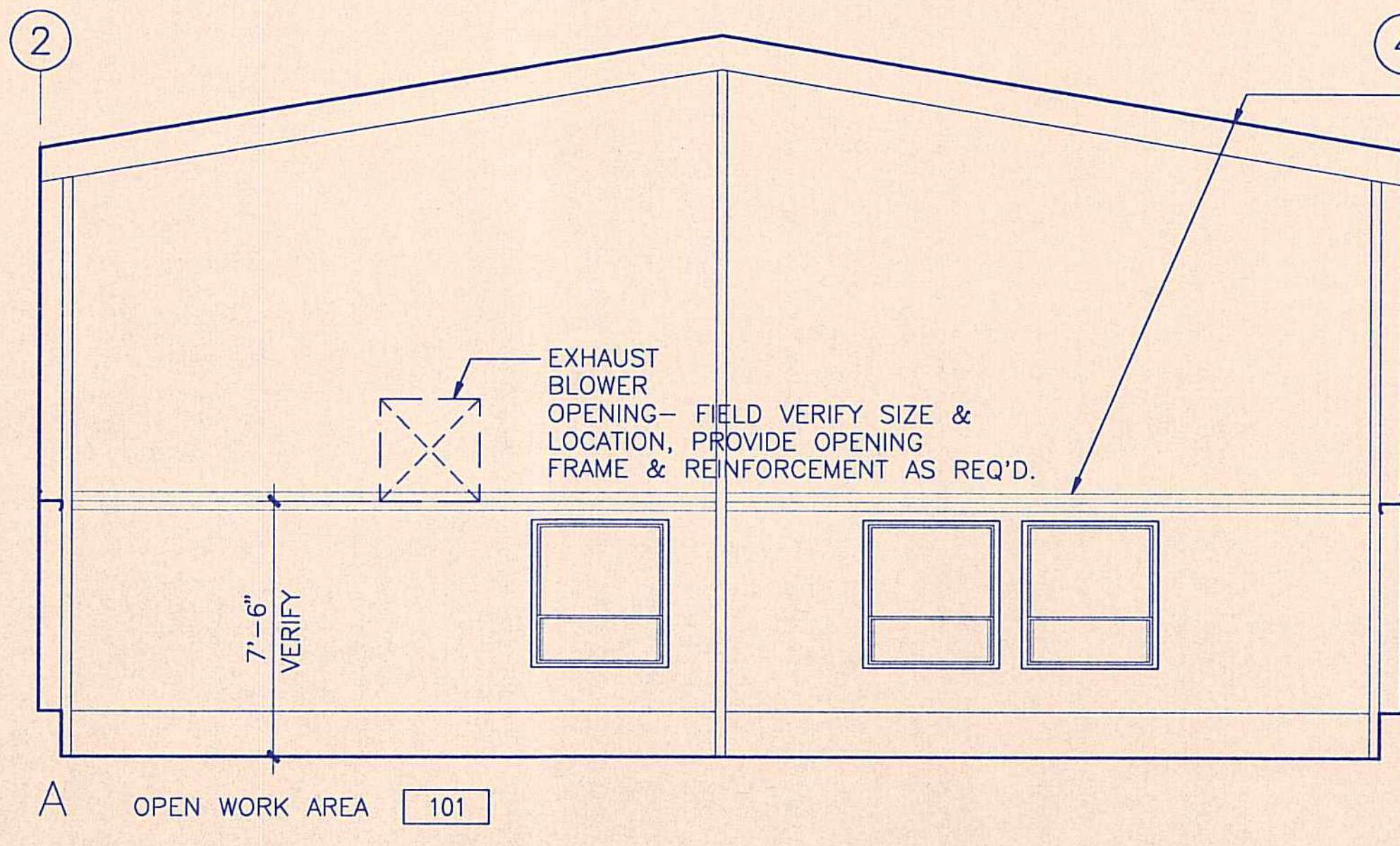
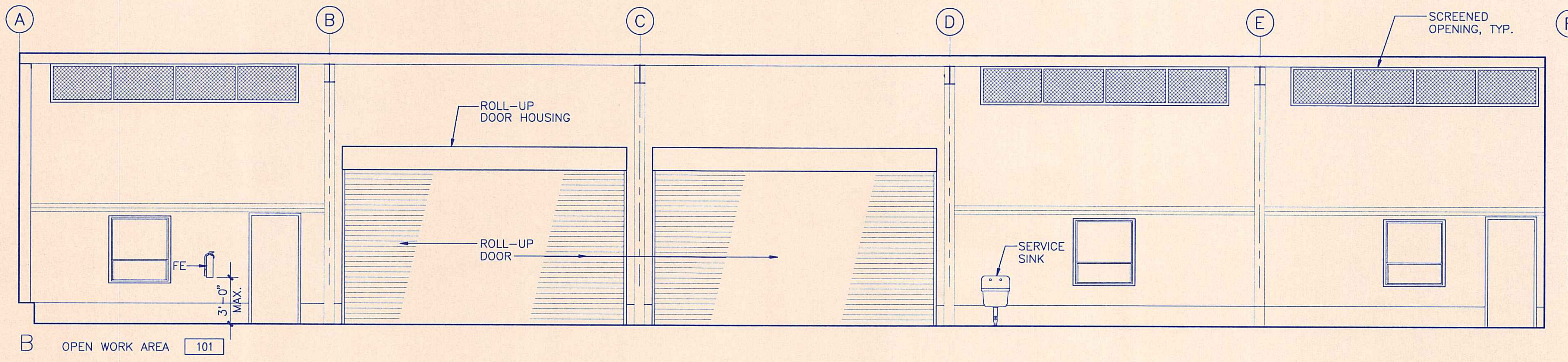
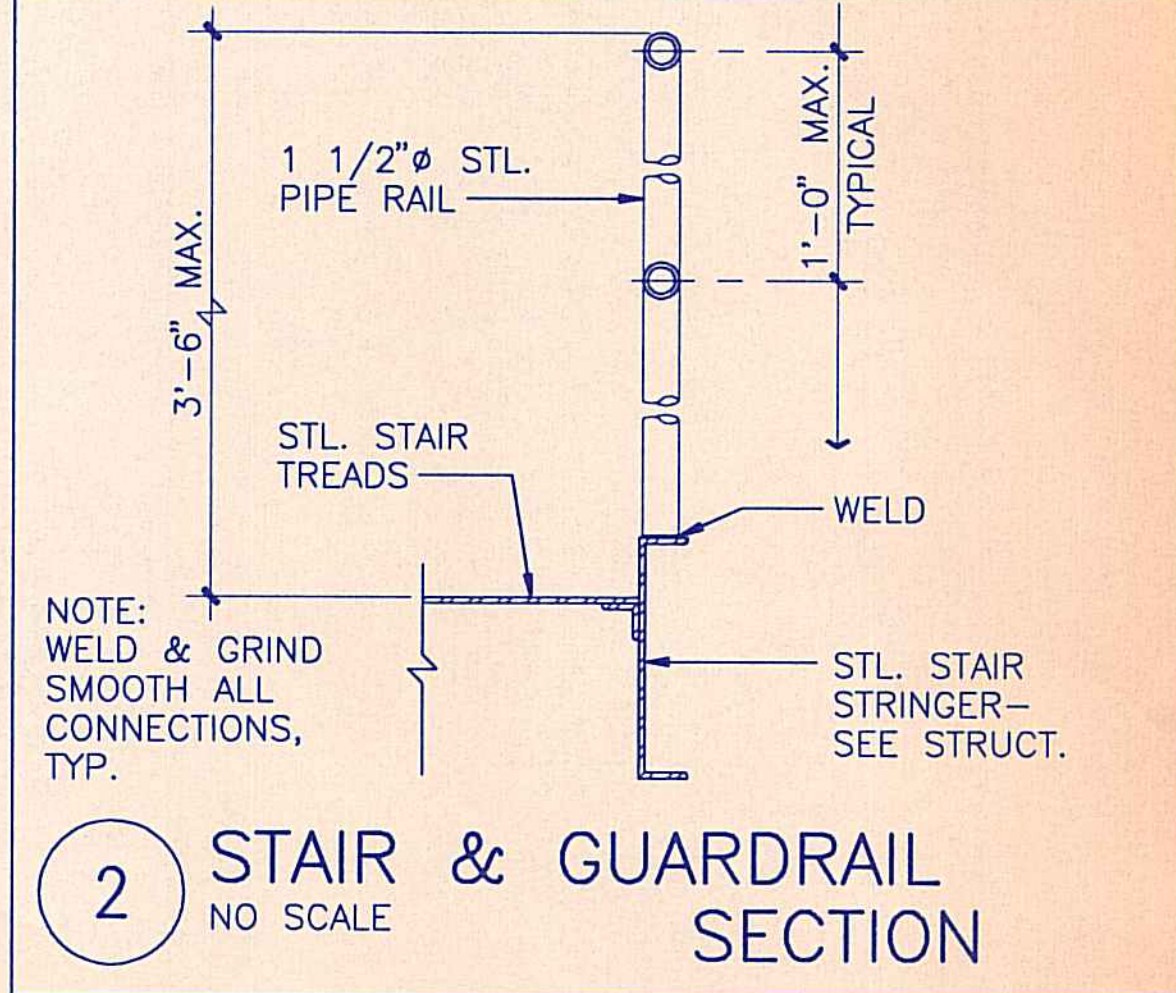
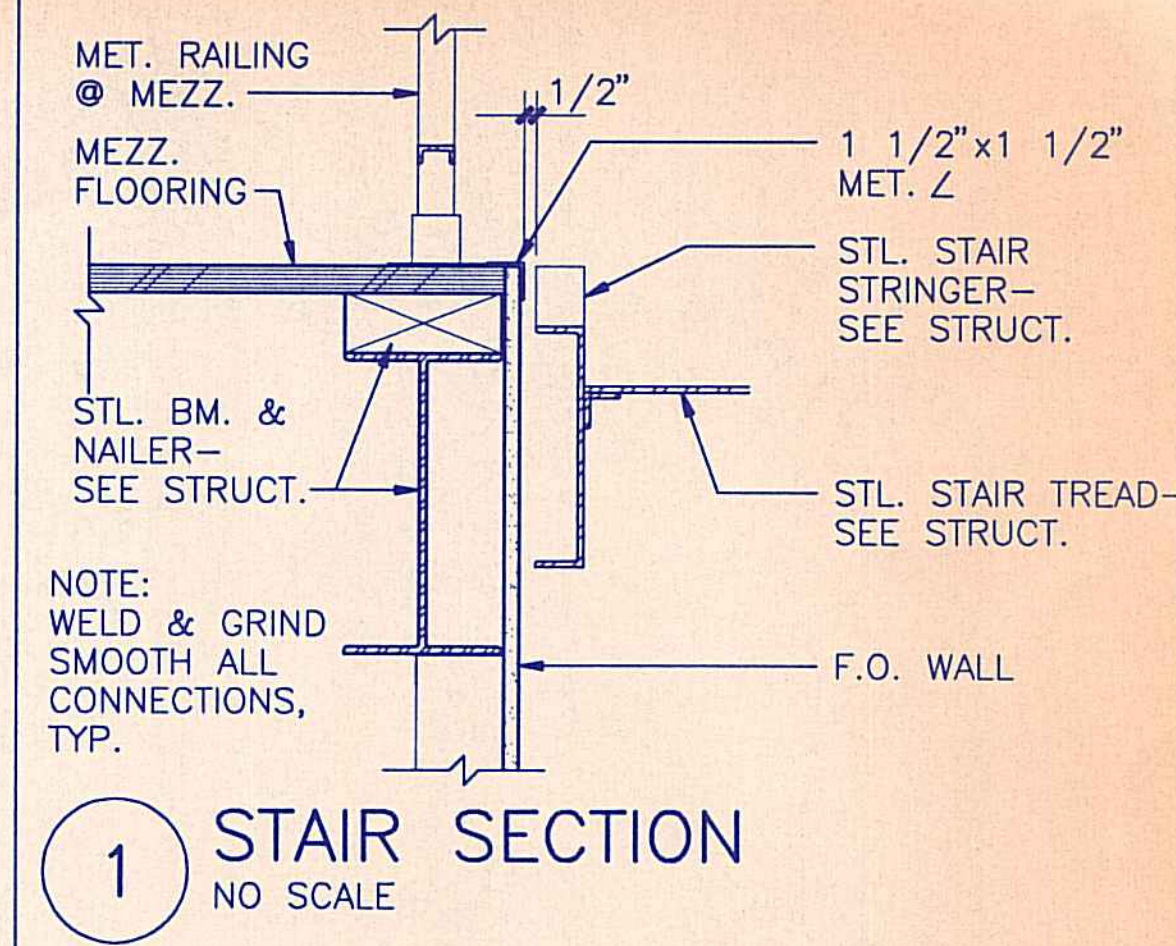
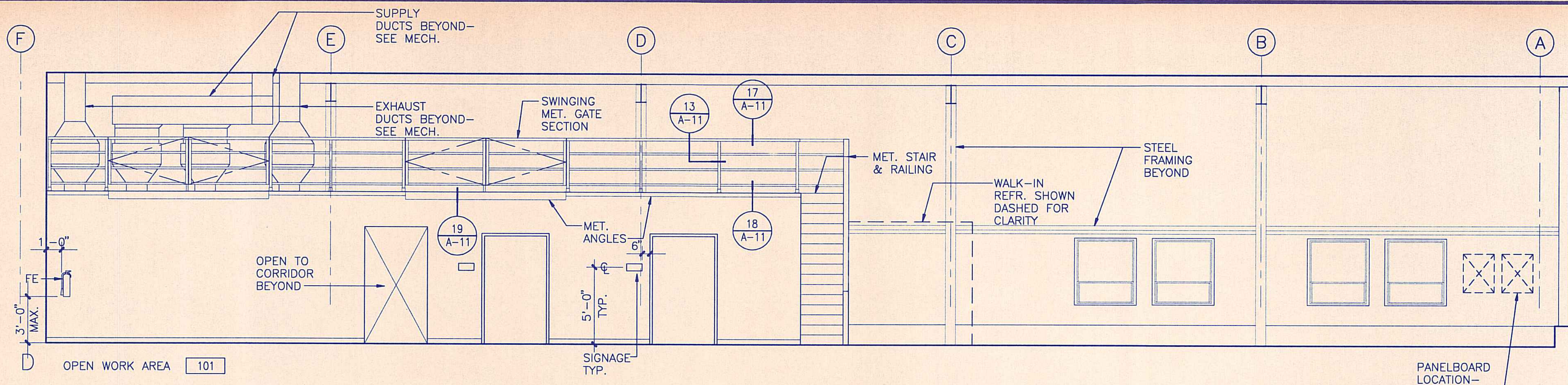
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT

STATE TREE NURSERY OPERATIONS BUILDING
LALAMILO, SOUTH KOHALA, HAWAII

PARTITION TYPES

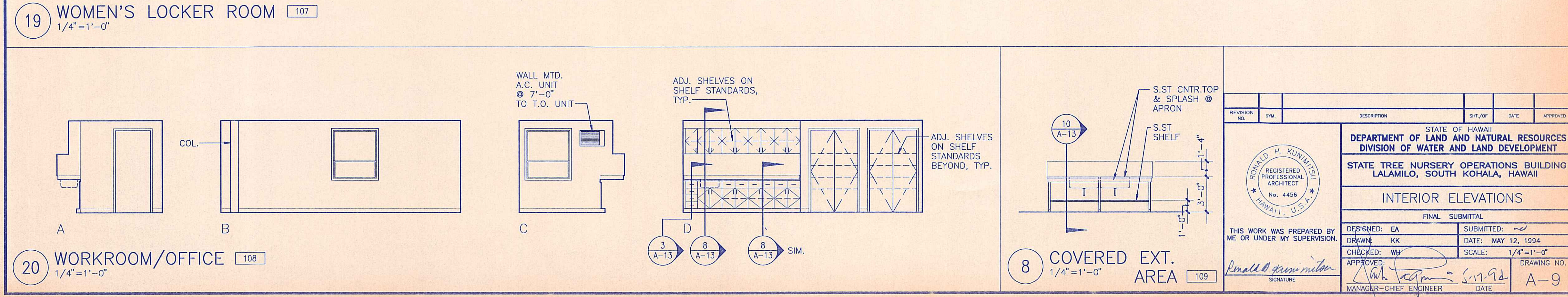
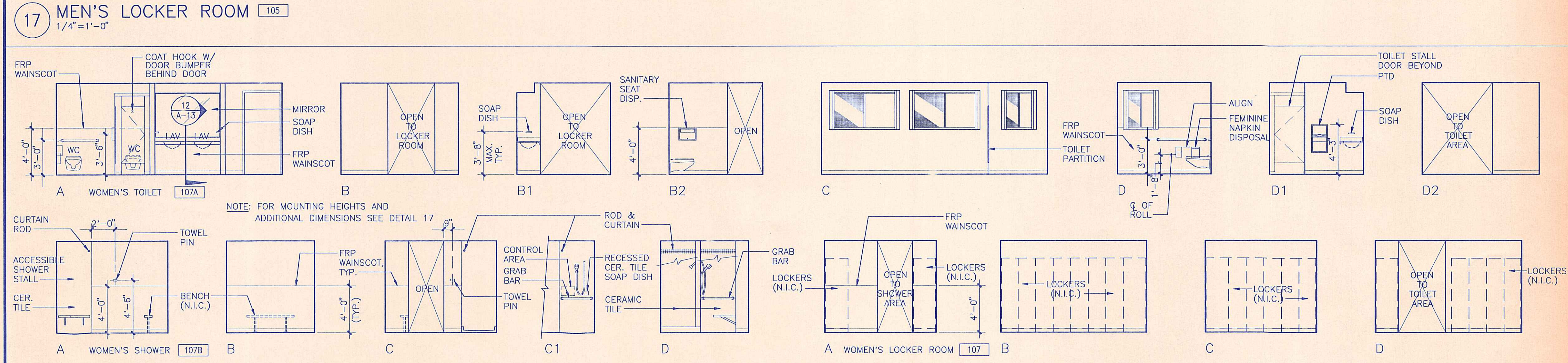
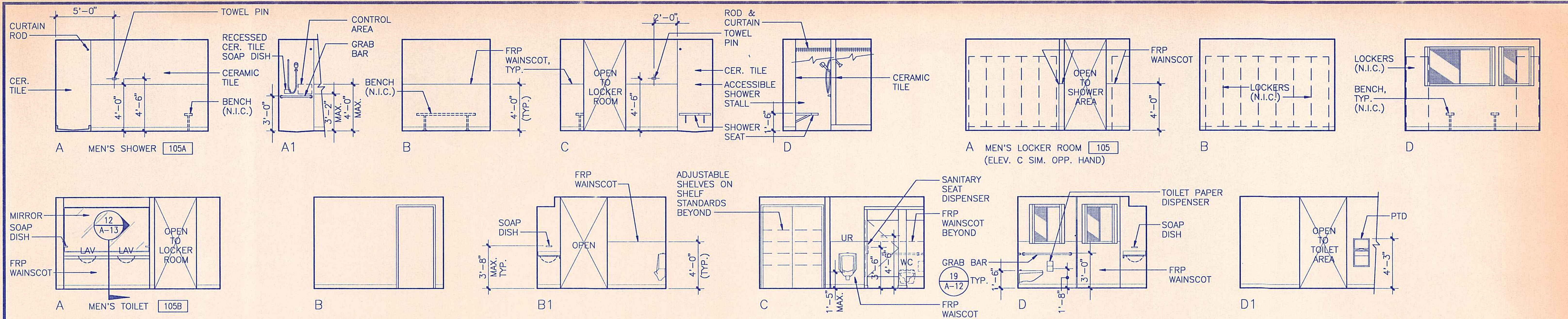
FINAL SUBMITTAL

DESIGNED: EA	SUBMITTED: <i>wh</i>
DRAWN: KK	DATE: MAY 12, 1994
CHECKED: WH	SCALE: NOT TO SCALE
APPROVED: <i>Ronald H. Kumimatsu</i>	DRAWING NO. A-7
SIGNATURE	DATE
MANAGER-CHIEF ENGINEER	DATE



20 INTERIOR ELEVATIONS
1/4" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES DIVISION OF WATER AND LAND DEVELOPMENT					
STATE TREE NURSERY OPERATIONS BUILDING LALAMILO, SOUTH KOHALA, HAWAII					
INTERIOR ELEVATIONS					
FINAL SUBMITTAL					
DESIGNED: EA			SUBMITTED: <i>wh</i>		
DRAWN: KK			DATE: MAY 12, 1994		
CHECKED: WH			SCALE: AS NOTED		
APPROVED: <i>Ronald H. Kunimitsu</i>			DRAWING NO. A-8		
SIGNATURE			MANAGER-CHIEF ENGINEER DATE		



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
STATE TREE NURSERY OPERATIONS BUILDING
LALAMILO, SOUTH KOHALA, HAWAII

REGISTERED PROFESSIONAL ARCHITECT
RONALD H. KUNIMITSU
No. 4456
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

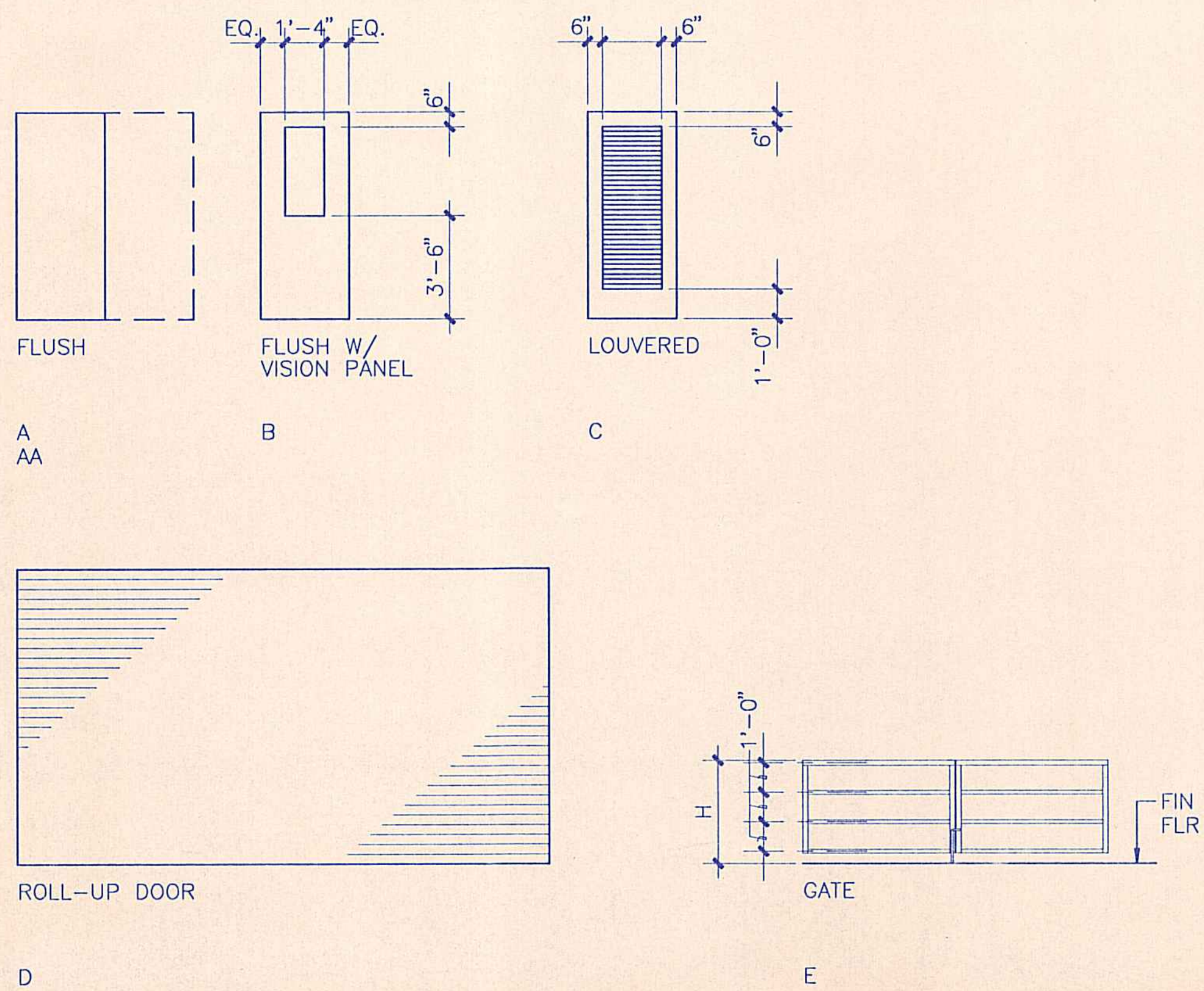
DESIGNED: EA
DRAWN: KK
CHECKED: WH
APPROVED: *Ronald H. Kunimitsu*
MANAGER-CHIEF ENGINEER

FINAL SUBMITTAL

DATE: MAY 12, 1994
SCALE: 1/4" = 1'-0"
DRAWING NO. A-9

DOOR SCHEDULE															
DOOR MARK	OPENING SIZE	TYPE (2)	THICKNESS (3)	CONSTRUCTION (4)	FACING & FINISH (5)	GLASS / LOUVERS (6)	RATING (7)	FRAME FINISH (8)	FRAME DETAIL (SHT. A-11)				DOOR/DOOR FRAME COLOR (10)	REMARKS	
									HEAD	JAMB	JAMB	THRESHOLD			
100A	3'-0" x 7'-0"	C	✓	✓	✓	-	✓	✓	2	5	6	-	11	*	-
101A	3'-0" x 7'-0"	B	✓	✓	✓	✓	✓	✓	1	5	6	-	11	*	-
101B	18'-0" x 10'-0"	D	-	CM	✓	-	✓	✓	3	1	2	-	3	*	-
101C	18'-0" x 10'-0"	D	-	CM	✓	-	✓	✓	3	1	2	-	3	*	-
101D	3'-0" x 7'-0"	B	✓	✓	✓	✓	✓	✓	1	5	6	-	11	*	-
102A	4'-0" x 7'-0"	A	✓	✓	✓	-	✓	✓	4	7	7	-	10	PT-2/PT-1	-
103A	4'-0" x 7'-0"	A	✓	✓	✓	-	✓	✓	4	7	7	-	10	PT-2/PT-1	-
104A	3'-0" x 7'-0"	B	✓	✓	✓	✓	✓	✓	1	5	6	-	11	*	-
105A	3'-0" x 7'-0"	A	✓	SC	PL	-	✓	✓	6	7	7	-	10	PL-1/PT-1	-
105B	5'-0" x 7'-0"	AA	✓	SC	WP	-	✓	✓	7	7	7	-	10	PT-2/PT-1	-
106A	3'-0" x 7'-0"	A	✓	✓	✓	-	✓	✓	5	7	7	-	9	PT-2/PT-1	-
107A	3'-0" x 7'-0"	A	✓	SC	PL	-	✓	✓	5	7	7	-	10	PL-1/PT-1	-
108A	3'-0" x 7'-0"	B	✓	✓	✓	✓	✓	✓	8	7	7	-	9	PT-2/PT-1	-
108B	4'-0" x 7'-0"	AA	✓	SC	WP	-	✓	✓	9	7	7	-	10	PT-2/PT-1	-
108C	4'-0" x 7'-0"	AA	✓	SC	WP	-	✓	✓	10	7	7	-	10	PT-2/PT-1	-
109A	3'-0" x 7'-0"	C	✓	✓	✓	-	✓	✓	4	5	6	-	10	*	-
200A	10'-0" x 3'-6"	E	-	AL	CA	-	-	CA	11	-	14	15	19	-	GATE
200B	10'-0" x 3'-6"	E	-	AL	CA	-	-	CA	11	-	14	15	19	-	GATE

DOOR TYPES

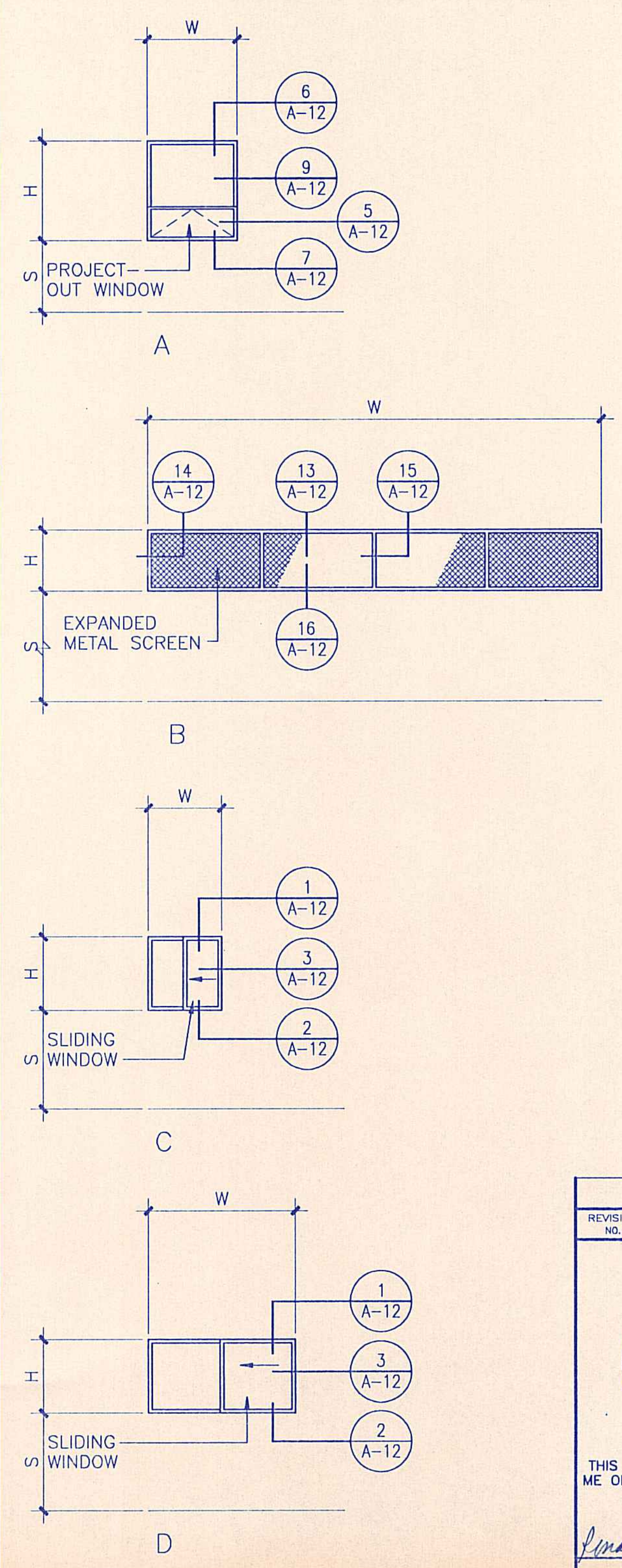


DOOR SCHEDULE NOTES

- (✓) SHOWN ON SCHEDULE INDICATES TYPICAL. (-) INDICATES FEATURE NOT REQUIRED.
- DOOR TYPES: SEE DOOR TYPES ELEVATIONS.
- THICKNESS: TYPICAL (✓) ALL DOORS 1 3/4" THICK UNLESS OTHERWISE NOTED.
- DOOR CONSTRUCTION:
 - TYPICAL (✓) = HOLLOW METAL
 - CM = COILING METAL
 - SC = SOLID CORE WOOD
 - AL = ALUMINUM
- FACING & FINISH: *
 - TYPICAL (✓) = METAL, PAINTED
 - PL = PLASTIC LAMINATE
 - WP = WOOD PAINTED
 - CA = CLEAR, ANODIZED
 * COLOR AS SELECTED BY ENGINEER
- GLASS & LOUVER: TYPICAL (✓) = 1/4" TEMPERED GLASS.
- RATING: TYPICAL (✓) = NO RATING REQUIRED.
- FRAME & FINISH: *
 - TYPICAL (✓) = STEEL, PAINTED
 - CA = CLEAR, ANODIZED
 * COLOR AS SELECTED BY ENGINEER
- HARDWARE GROUP: SEE SPECIFICATIONS-SECTION 08710.
- DOOR/DOOR FRAME COLOR: SEE MATERIAL SCHEDULE SHT. A-14 FOR PAINT/PLASTIC LAMINATE COLOR/PATTERN.
 - * EXTERIOR DOOR AND DOOR FRAME COLOR(S) TO BE AS SELECTED BY ENGINEER.

WINDOW/SCREEN SCHEDULE							
WINDOW/SCREEN MARK	SIZE	WINDOW/SCREEN TYPE (2)	GLASS THICKNESS (3)	GLASS/SCREEN TYPE (4)	FRAME FINISH (5)	SILL(S) HEIGHT (6)	REMARKS
1	3'-8" x 4'-1"	A	✓	✓	✓	A	
2	16'-0" x 2'-6"	B	-	EM	SP	B	
3	3'-0" x 3'-0"	C	✓	✓	✓	✓	
4	6'-0" x 3'-0"	D	✓	✓	✓	✓	

WINDOW/SCREEN TYPES



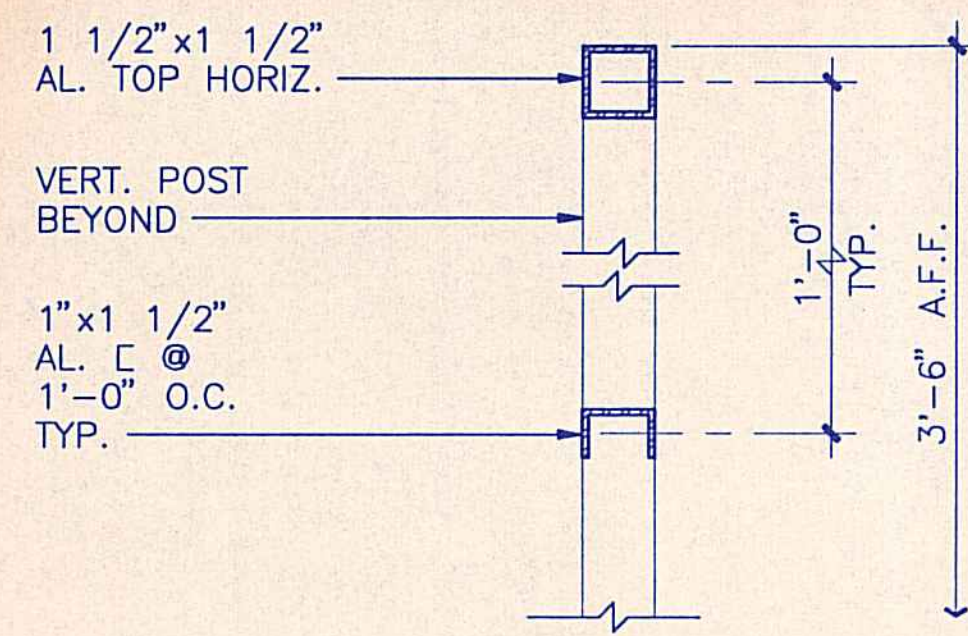
WINDOW/SCREEN NOTES

- (✓) SHOWN ON SCHEDULE INDICATES TYPICAL.
- WINDOW & SCREEN TYPES: SEE WINDOW & SCREEN TYPES SCHEDULE.
- GLASS THICKNESS: TYPICAL (✓) = 1/4" THICK GLASS (OTHER THICKNESS AS NOTED).
- GLASS/SCREEN TYPE:
 - TYPICAL (✓) = FLOAT GLASS
 - TP = CLEAR TEMPERED GLASS
 - EM = EXPANDED METAL LATH SCREEN
- FRAME FINISH:(COLOR AS SELECTED BY ENGINEER)
 - TYPICAL (✓) = HI-PERFORMANCE FLUOROCARBON FINISH SYSTEM
 - SP = STEEL, PAINTED
- SILL HEIGHT(S):
 - TYPICAL (✓) = 4'-0" ABOVE FINISH FLOOR
 - A = 2'-11" ABOVE FINISH FLOOR
 - B = VERIFY HT. W/ UNDERSIDE OF EAVE HEIGHT

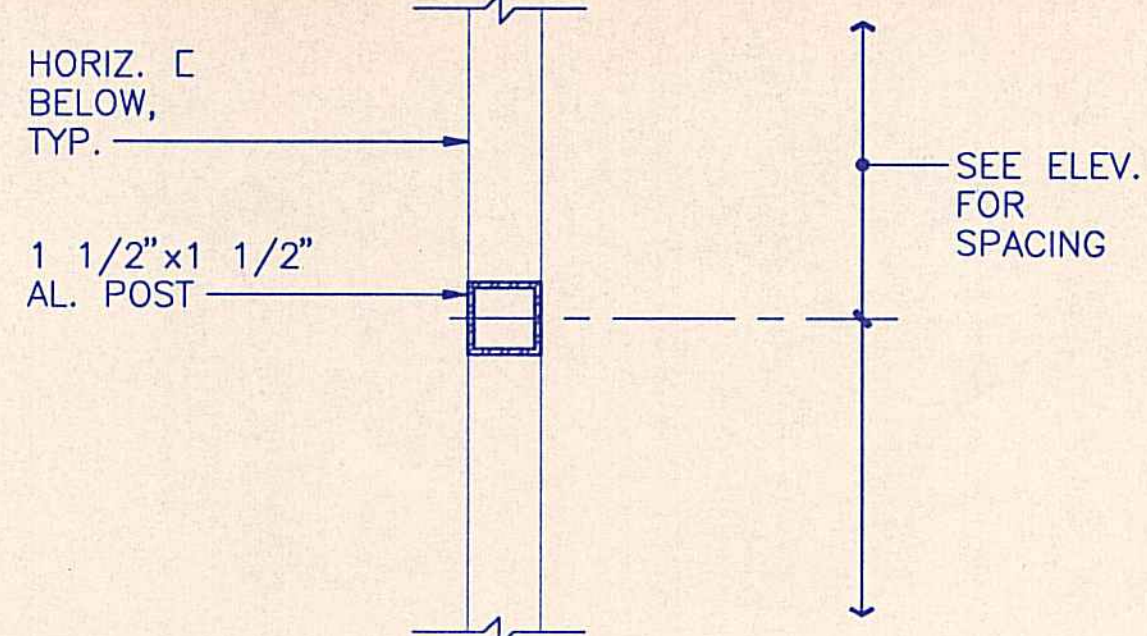
REMARKS

- SEE WINDOW AND SCREEN TYPES FOR DETAIL LOCATION.
- GLASS TYPE IS AS NOTED IN THE WINDOW SCHEDULE UNLESS OTHERWISE NOTED ON THE WINDOW TYPES (ELEVATION).

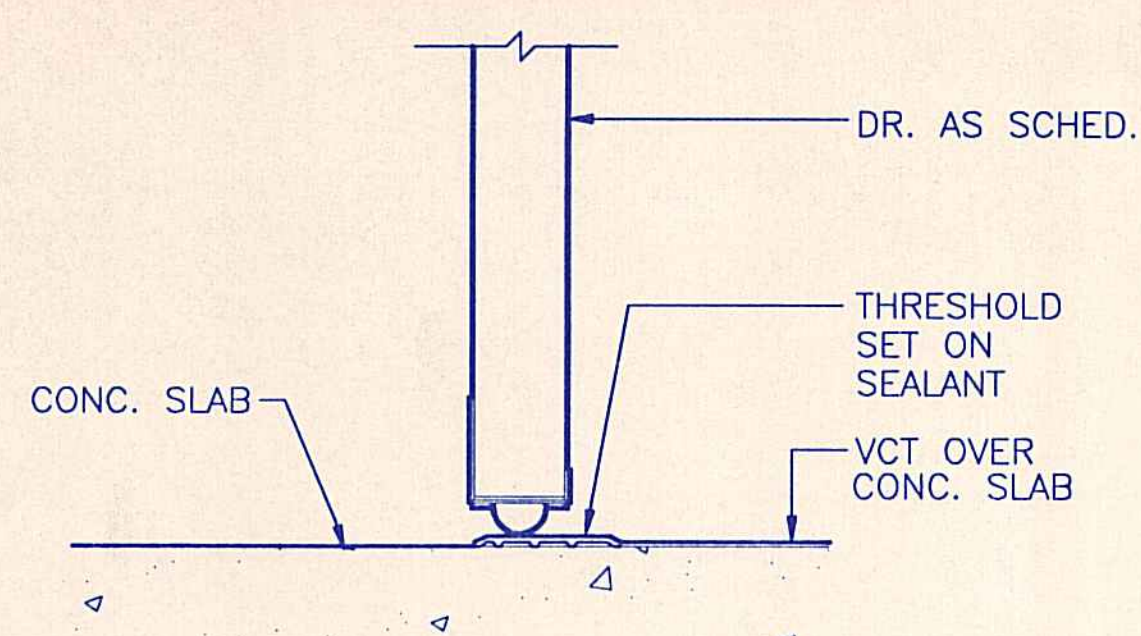
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES DIVISION OF WATER AND LAND DEVELOPMENT STATE TREE NURSERY OPERATIONS BUILDING LALAMILO, SOUTH KOHALA, HAWAII DOOR & WINDOW SCHEDULES FINAL SUBMITTAL					
DESIGNED: EA		SUBMITTED: [Signature]			
DRAWN: KK		DATE: MAY 12, 1994			
CHECKED: WH		SCALE: 1/4"=1'-0"			
APPROVED: [Signature]		DRAWING NO. A-10			
SIGNATURE		MANAGER-CHIEF ENGINEER DATE			



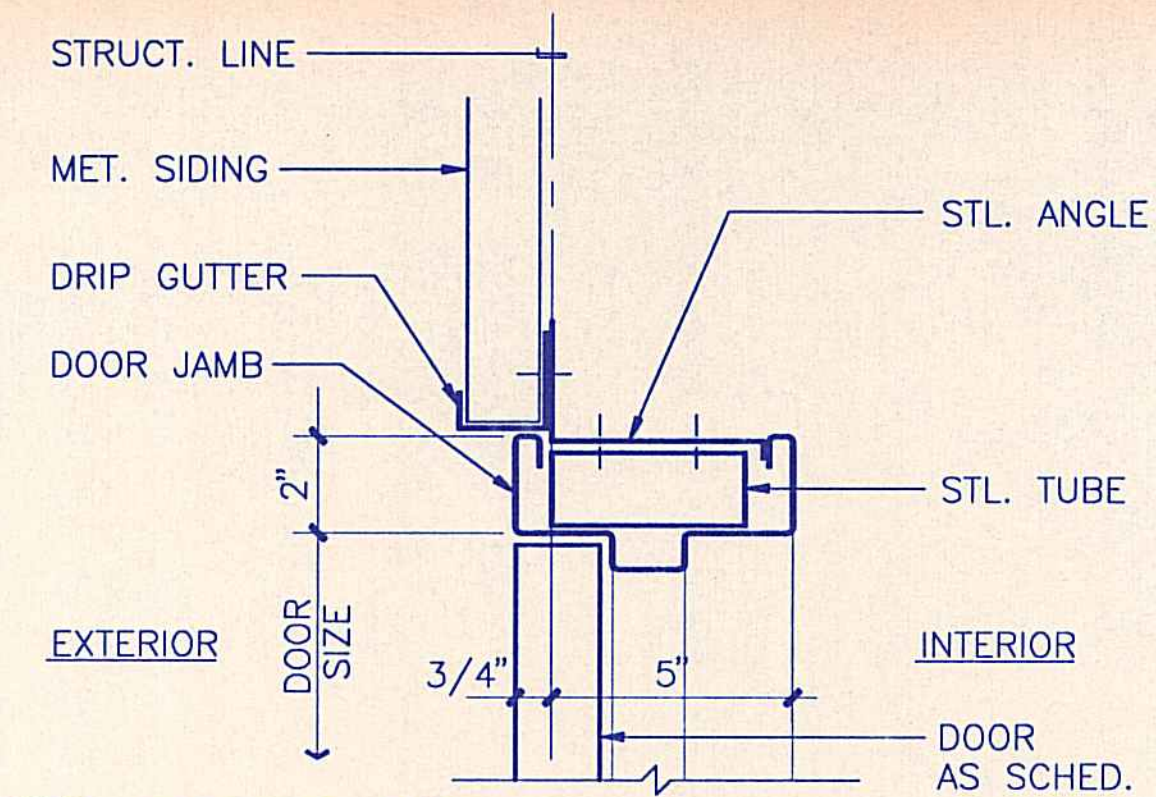
17 RAILING SECTION
3"=1'-0"



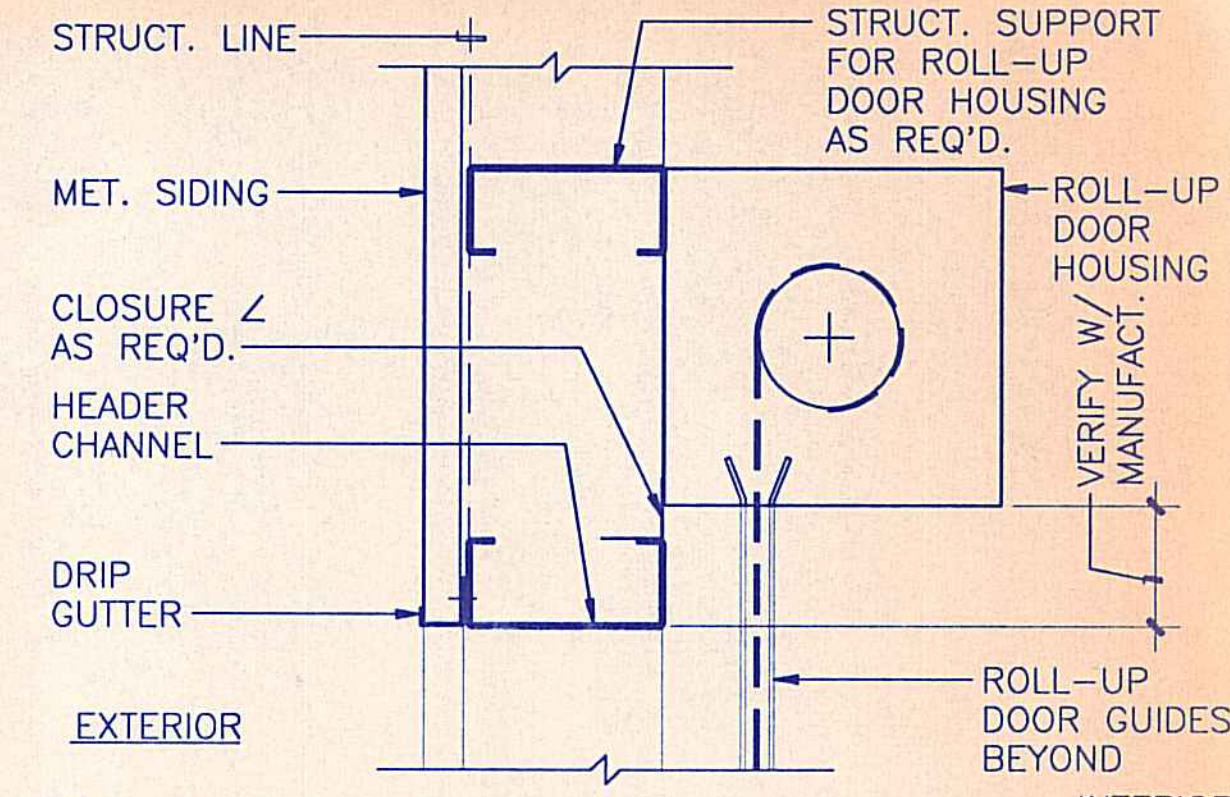
13 RAILING DETAIL
3"=1'-0"



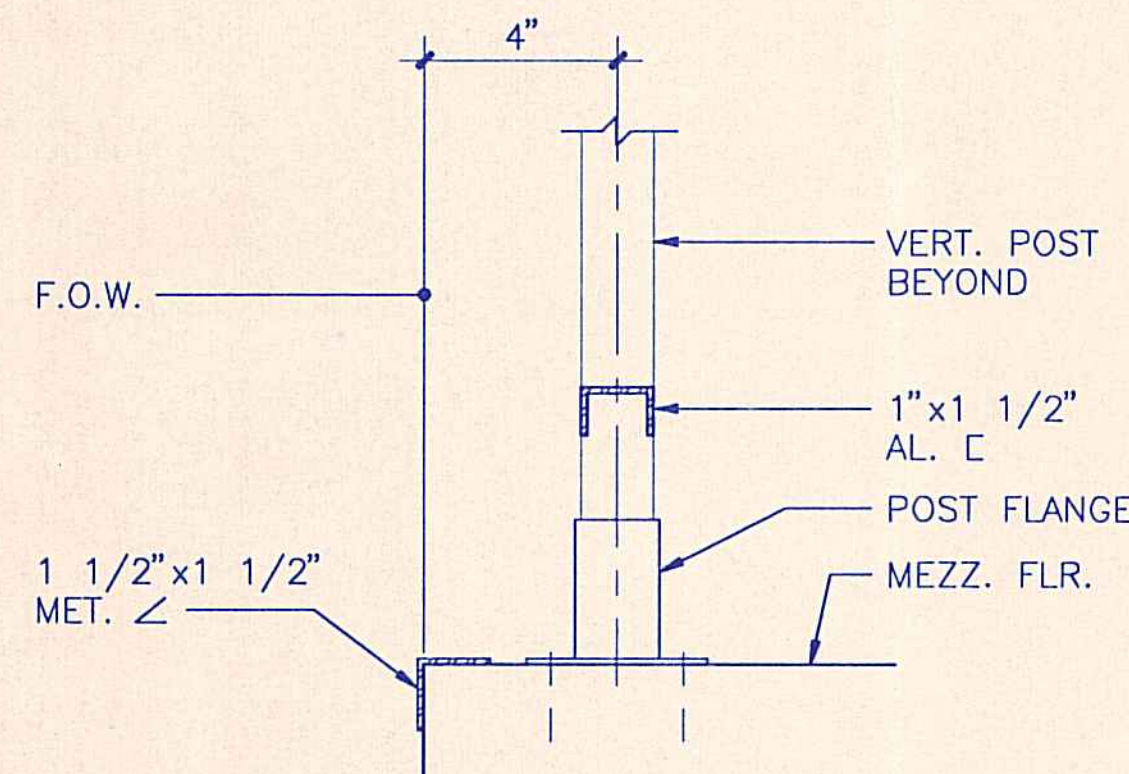
9 THRESHOLD
3"=1'-0"



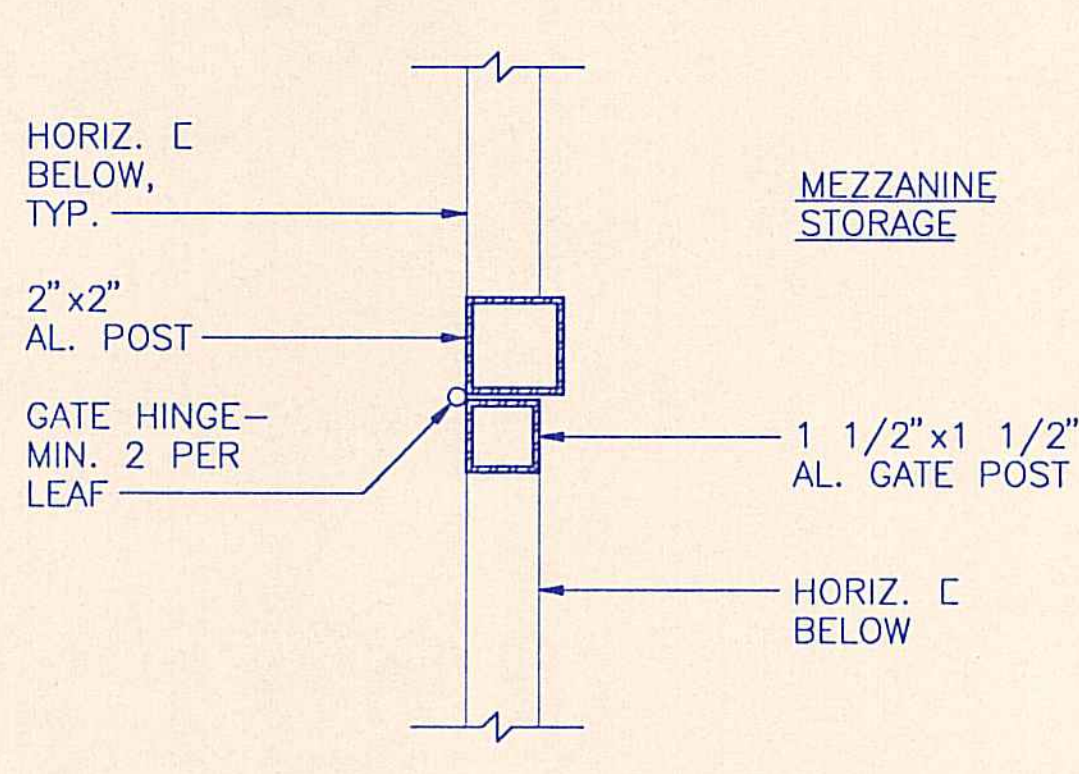
5 DOOR HEAD
3"=1'-0"



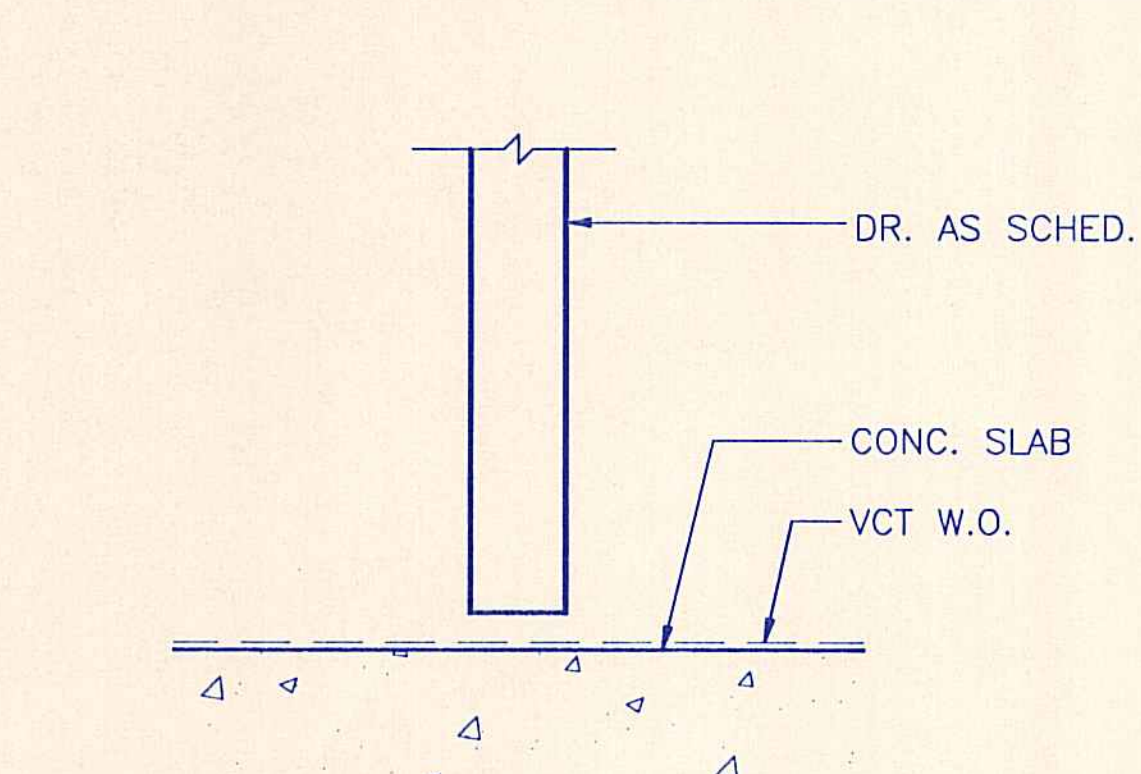
1 OVERHEAD DOOR HEAD
1 1/2"=1'-0"



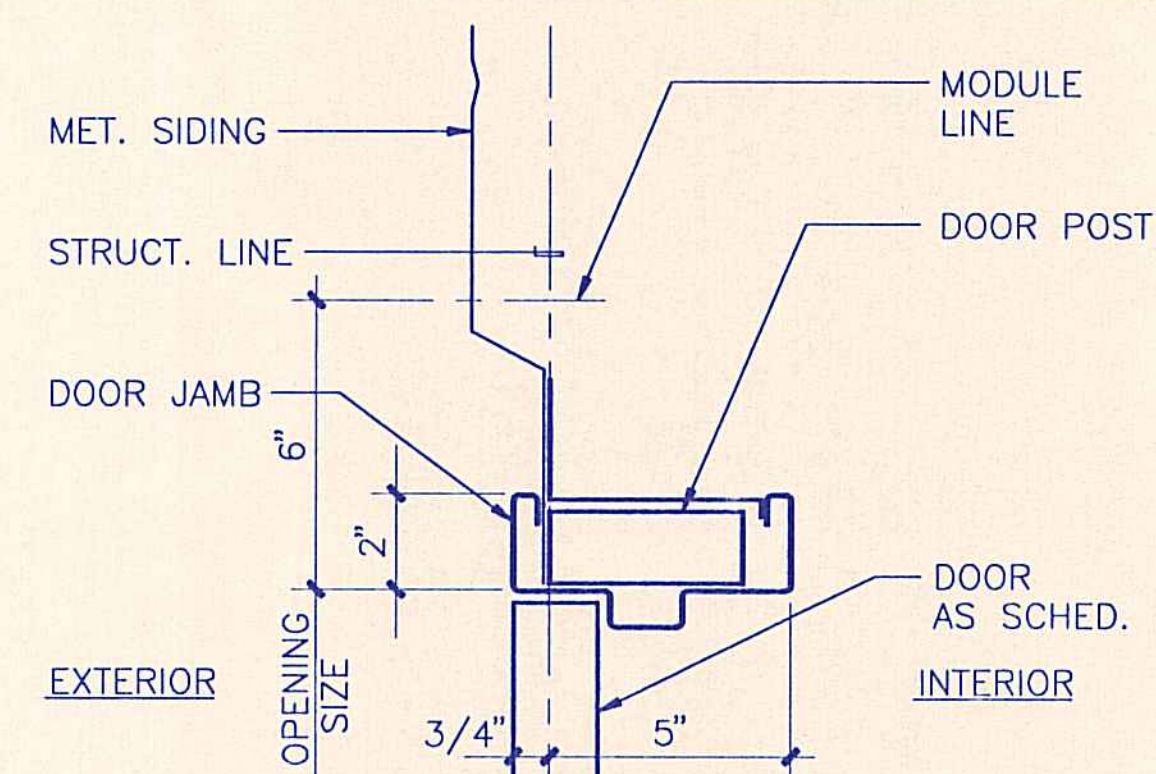
18 RAILING SECTION
3"=1'-0"



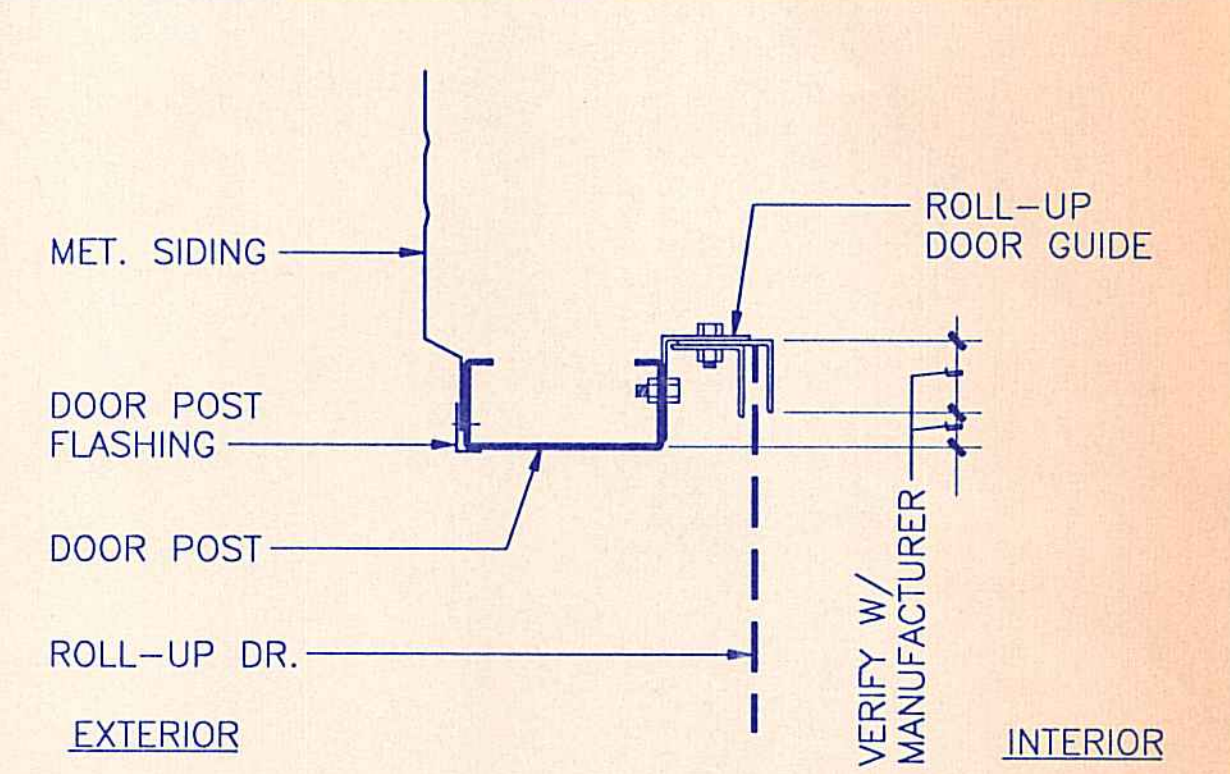
14 GATE DETAIL
3"=1'-0"



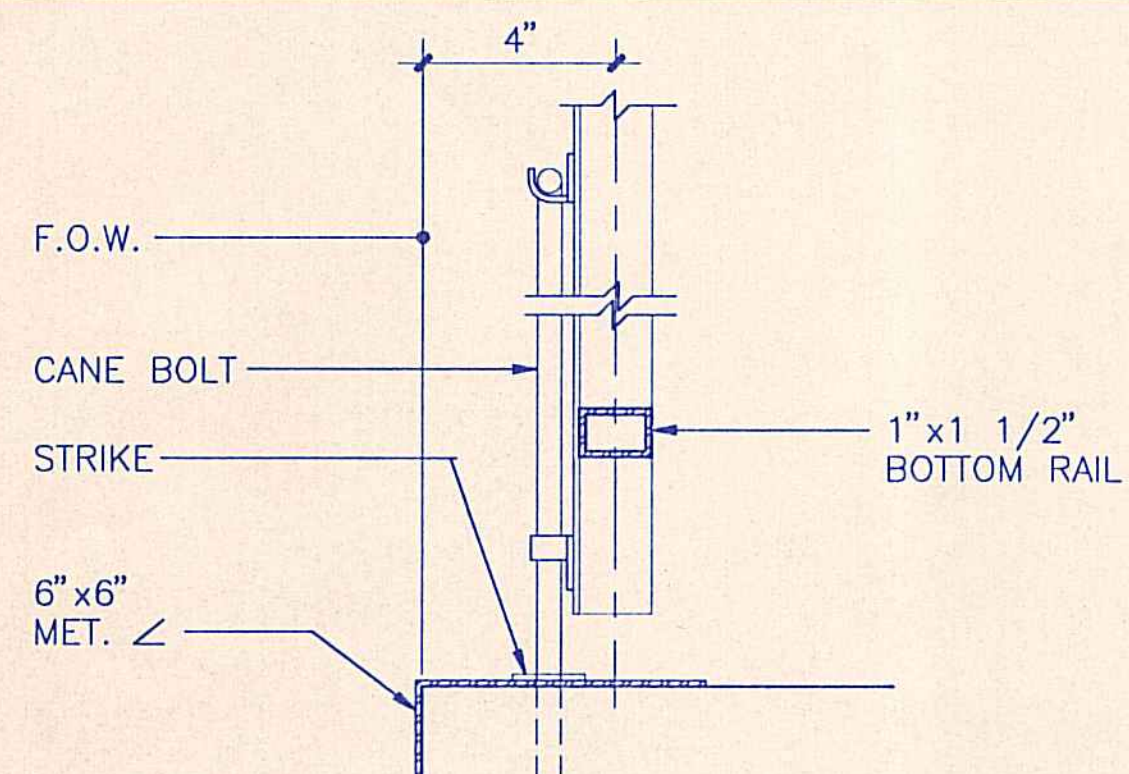
10 THRESHOLD
3"=1'-0"



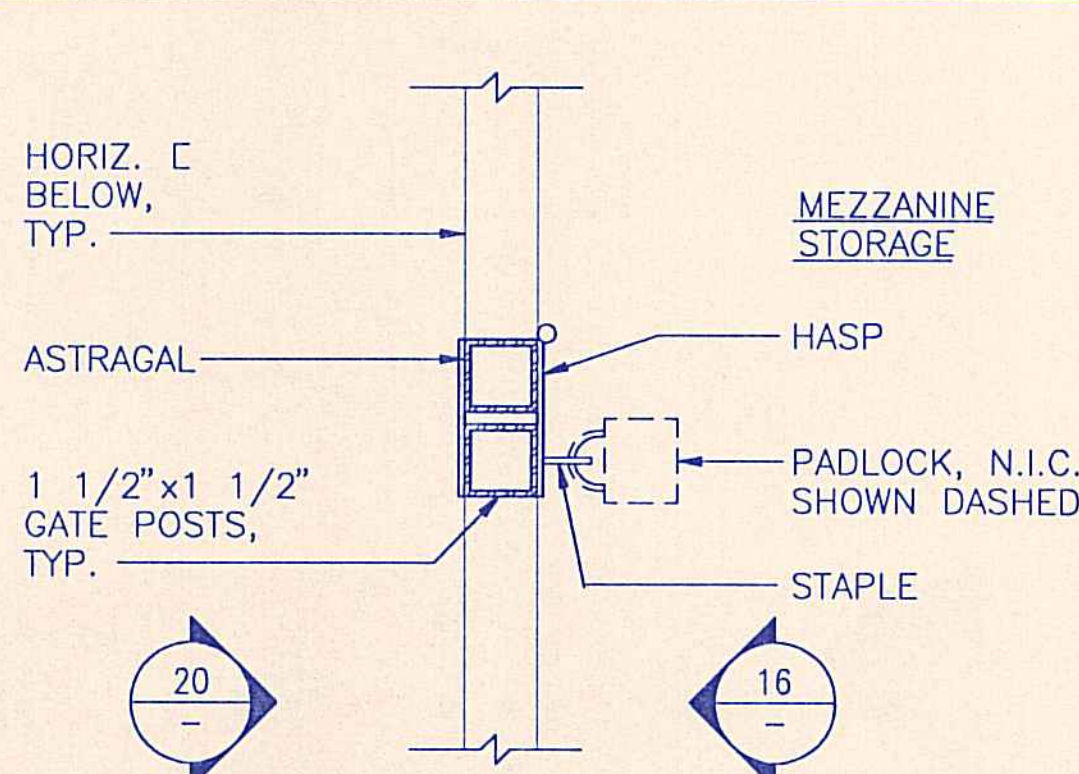
6 DOOR JAMB
3"=1'-0"



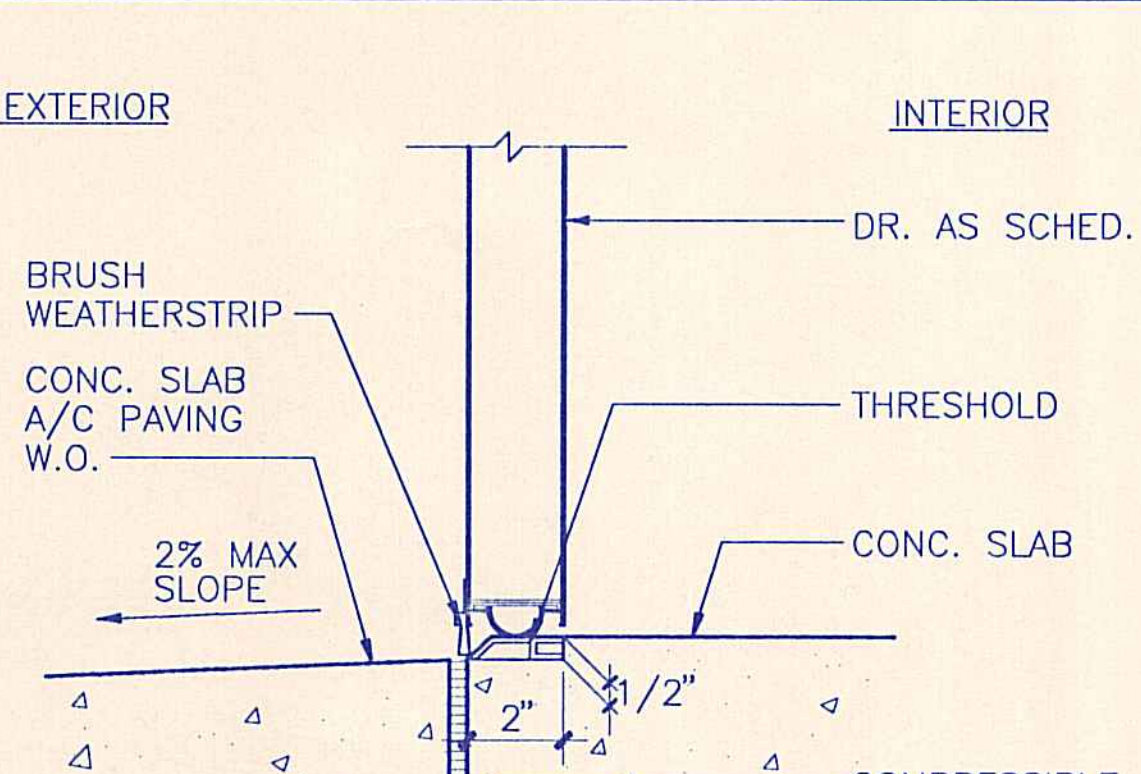
2 OVERHEAD DOOR JAMB
1 1/2"=1'-0"



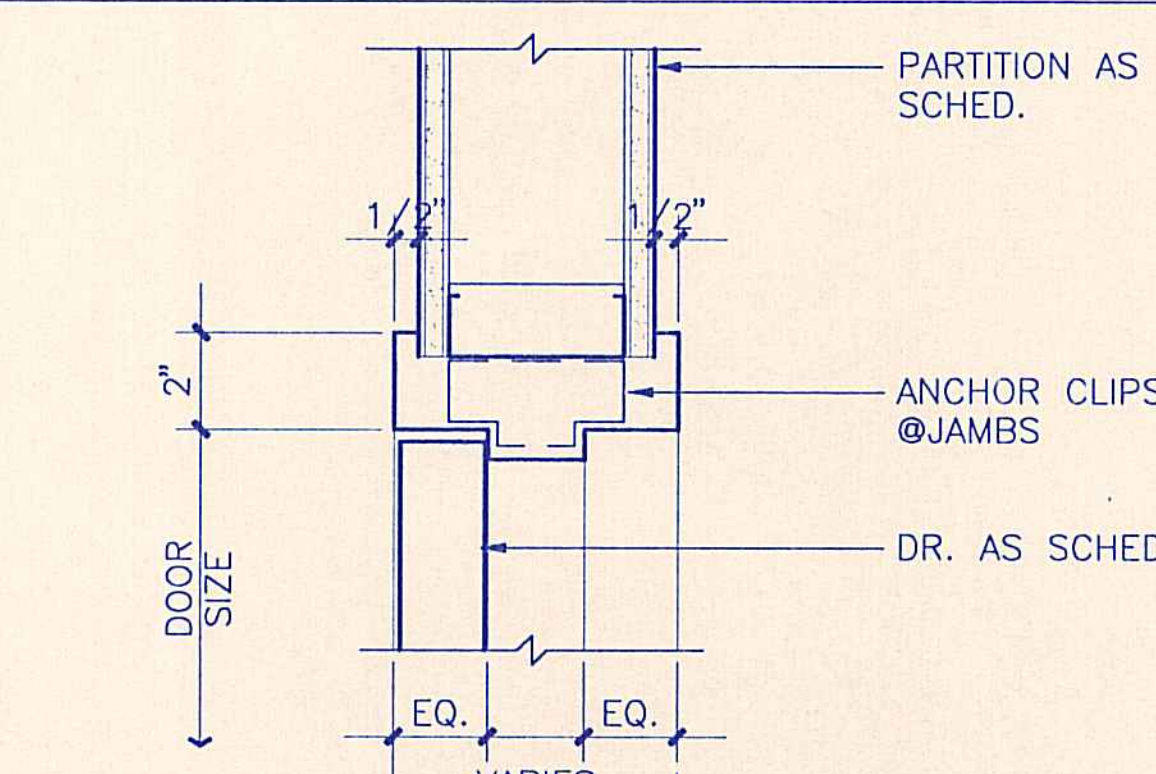
19 GATE SECTION
3"=1'-0"



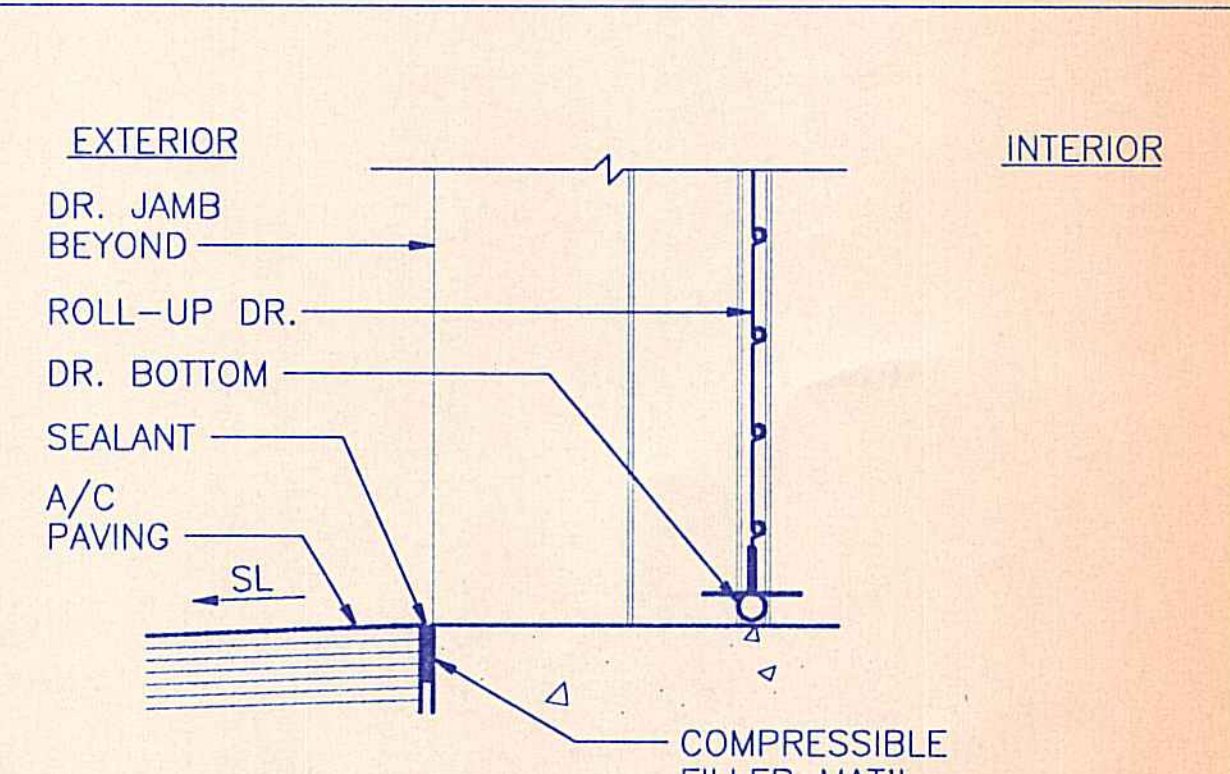
15 GATE MEETING STILE
3"=1'-0"



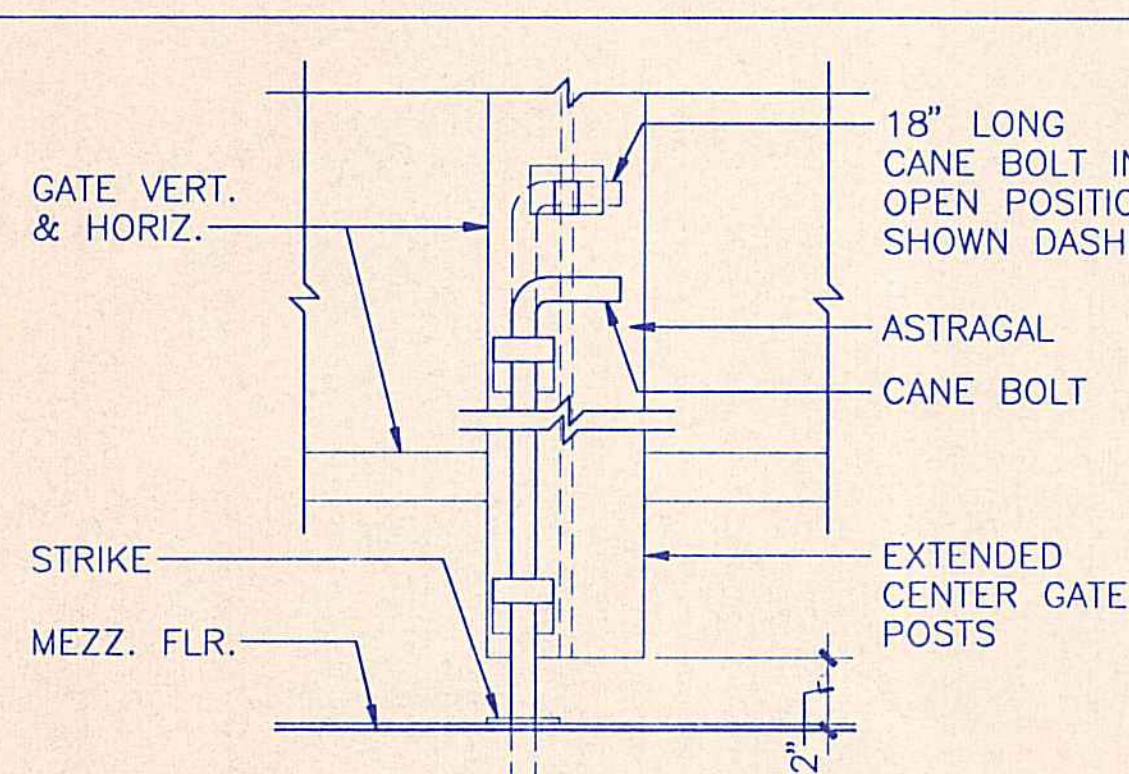
11 THRESHOLD
3"=1'-0"



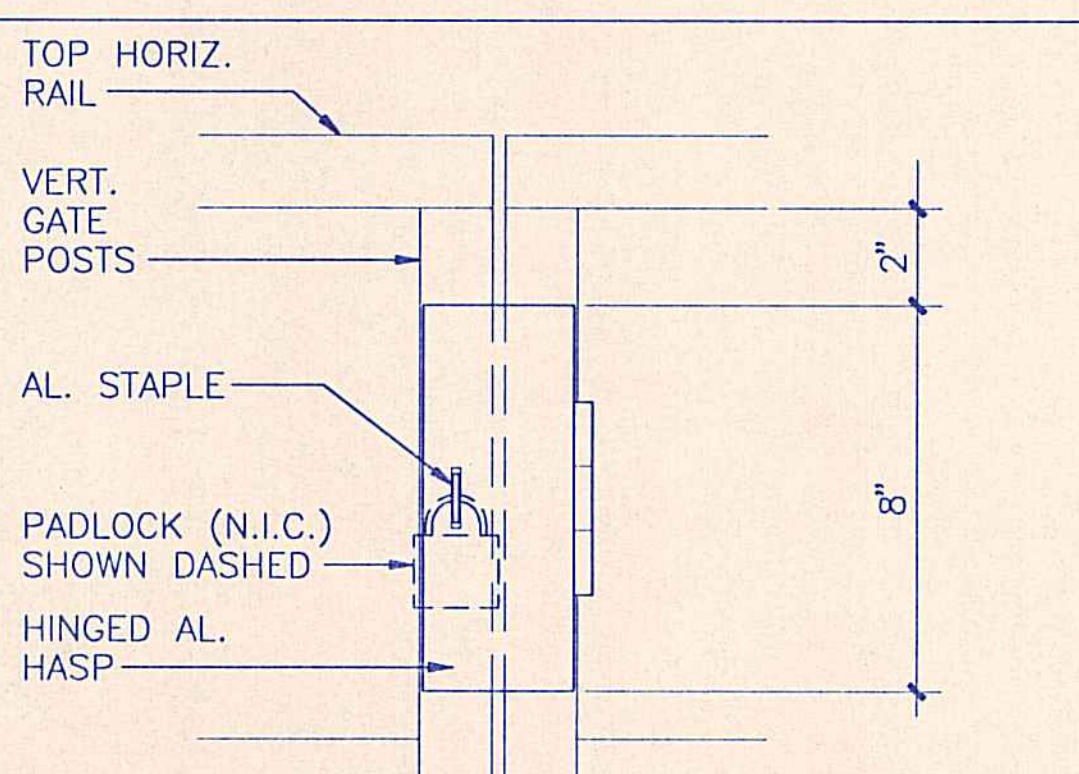
7 JAMB/HEAD SIM.
3"=1'-0"



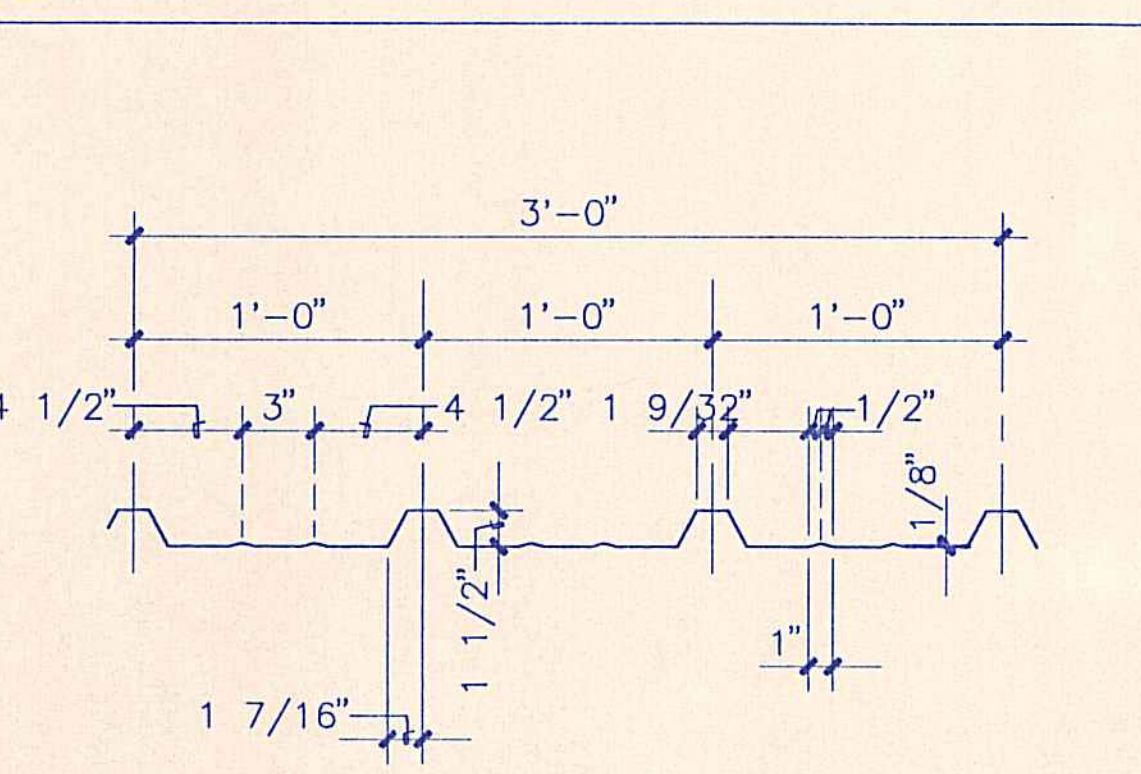
3 THRESHOLD
1 1/2"=1'-0"



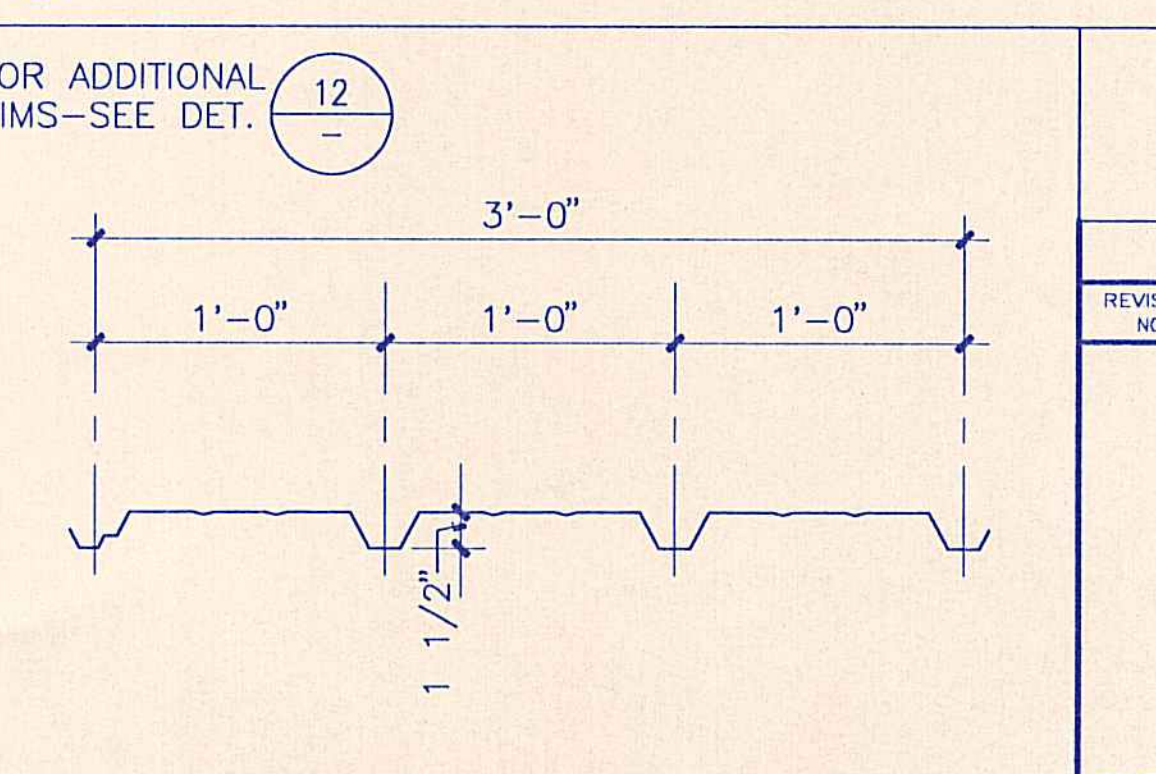
20 GATE ELEVATION (OPEN WORK AREA SIDE)
3"=1'-0"



16 GATE ELEVATION (MEZZ. SIDE)
3"=1'-0"



12 ROOF PANEL CROSS SECTION
1 1/2"=1'-0"



8 WALL PANEL CROSS SECTION
1 1/2"=1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT

STATE TREE NURSERY OPERATIONS BUILDING
LALAMILO, SOUTH KOHALA, HAWAII

DOOR, GATE, & RAILING DETAILS

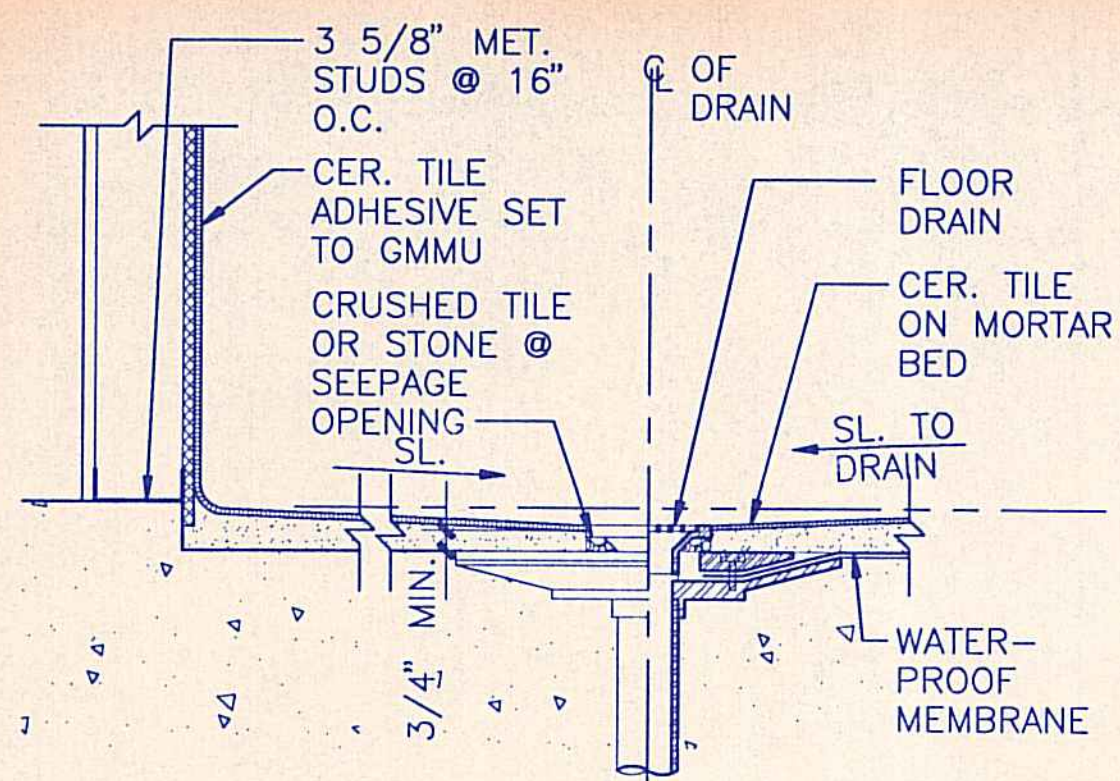
FINAL SUBMITTAL

DESIGNED: EA
DRAWN: KK
CHECKED: WH

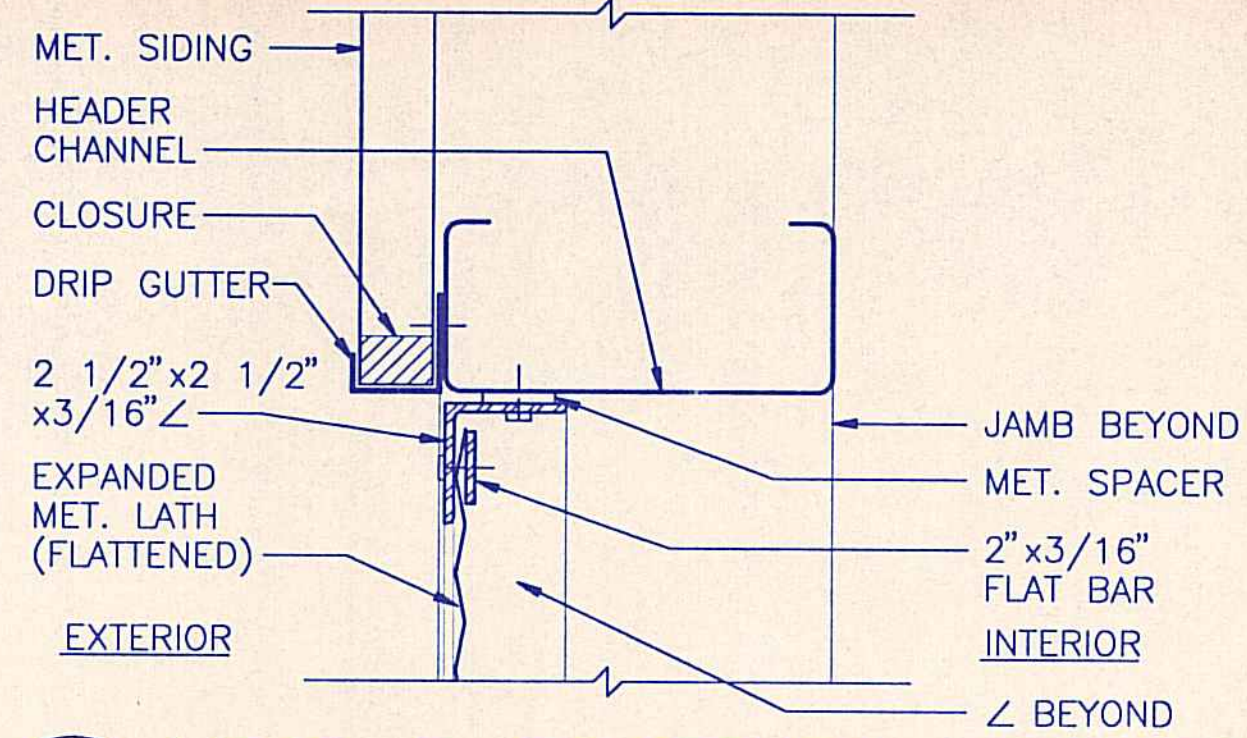
SUBMITTED: [Signature]
DATE: MAY 12, 1994
SCALE: AS NOTED

APPROVED: [Signature]
MANAGER-CHIEF ENGINEER

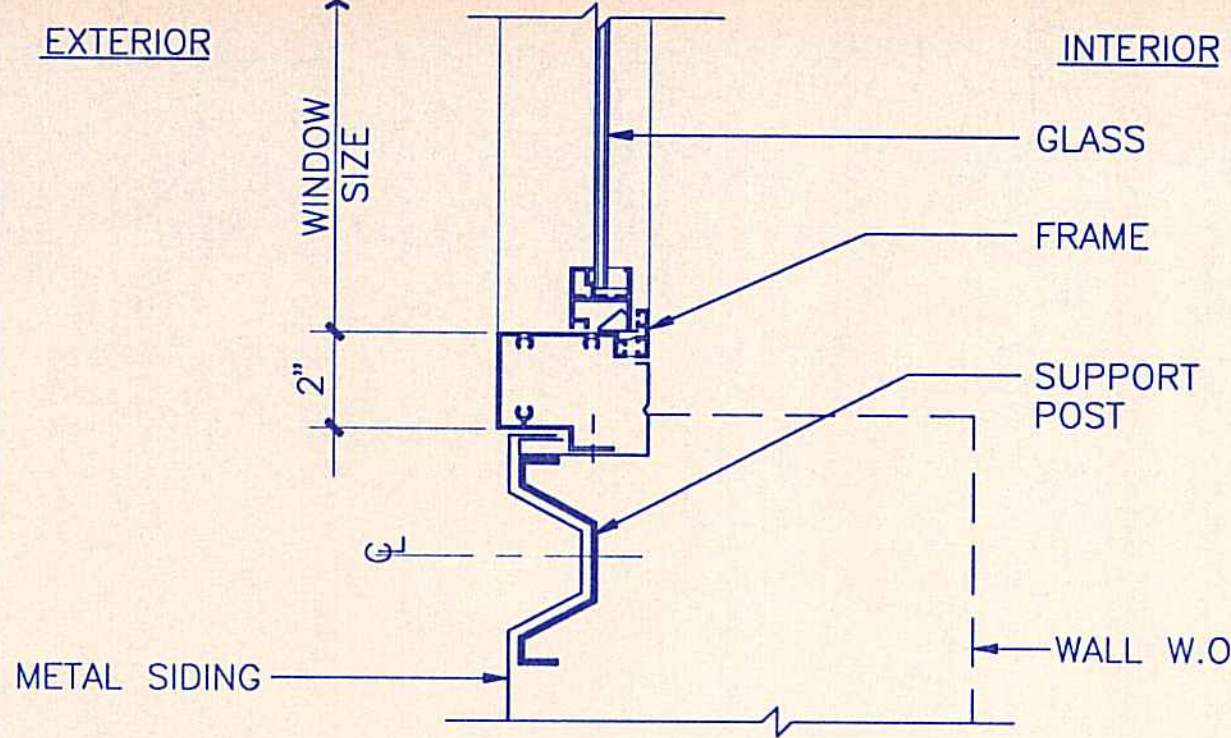
DRAWING NO. A-11



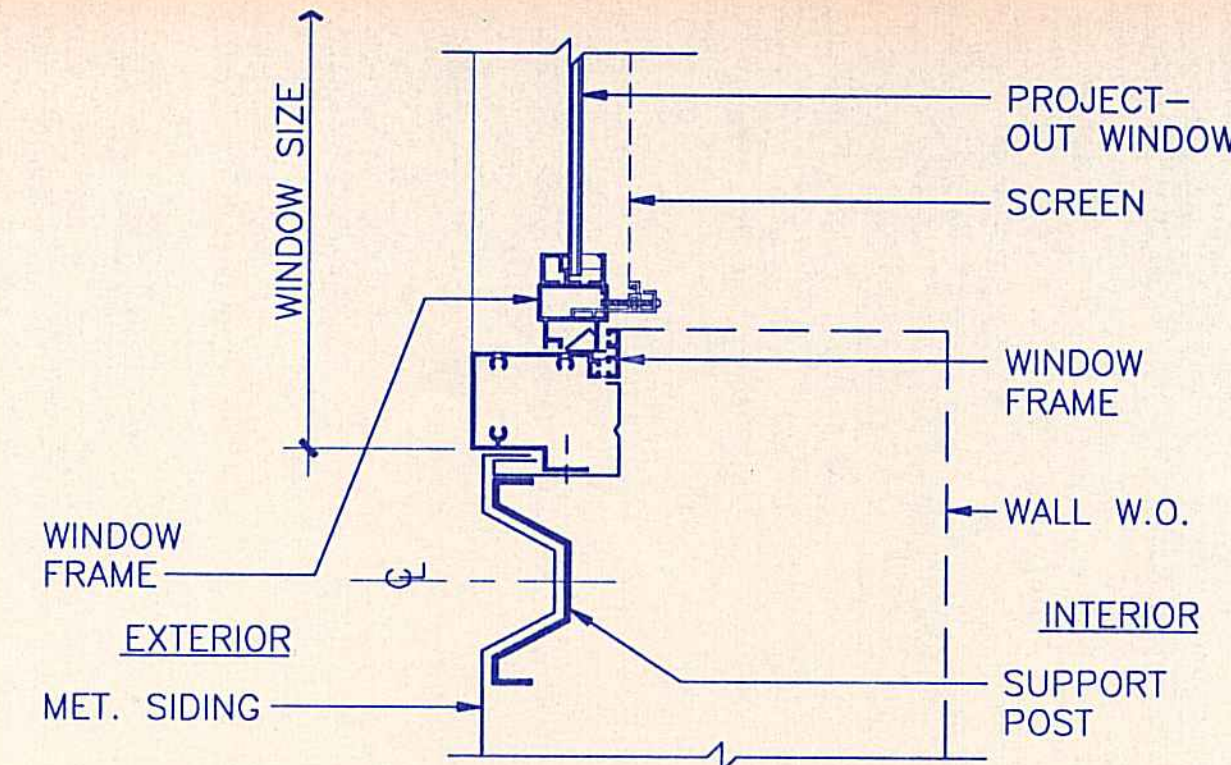
17 SHOWER STALL DETAIL
 1 1/2" = 1'-0"



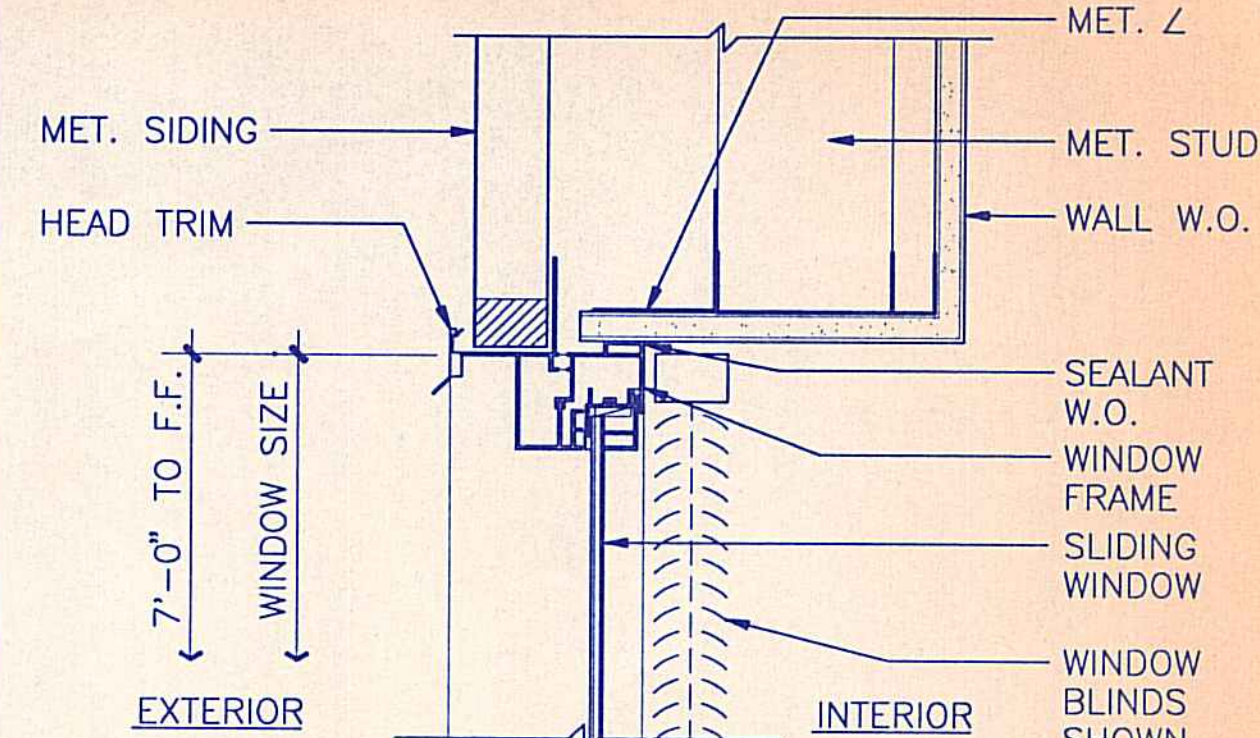
13 HEAD @ SCREENED OPENING
 3" = 1'-0"



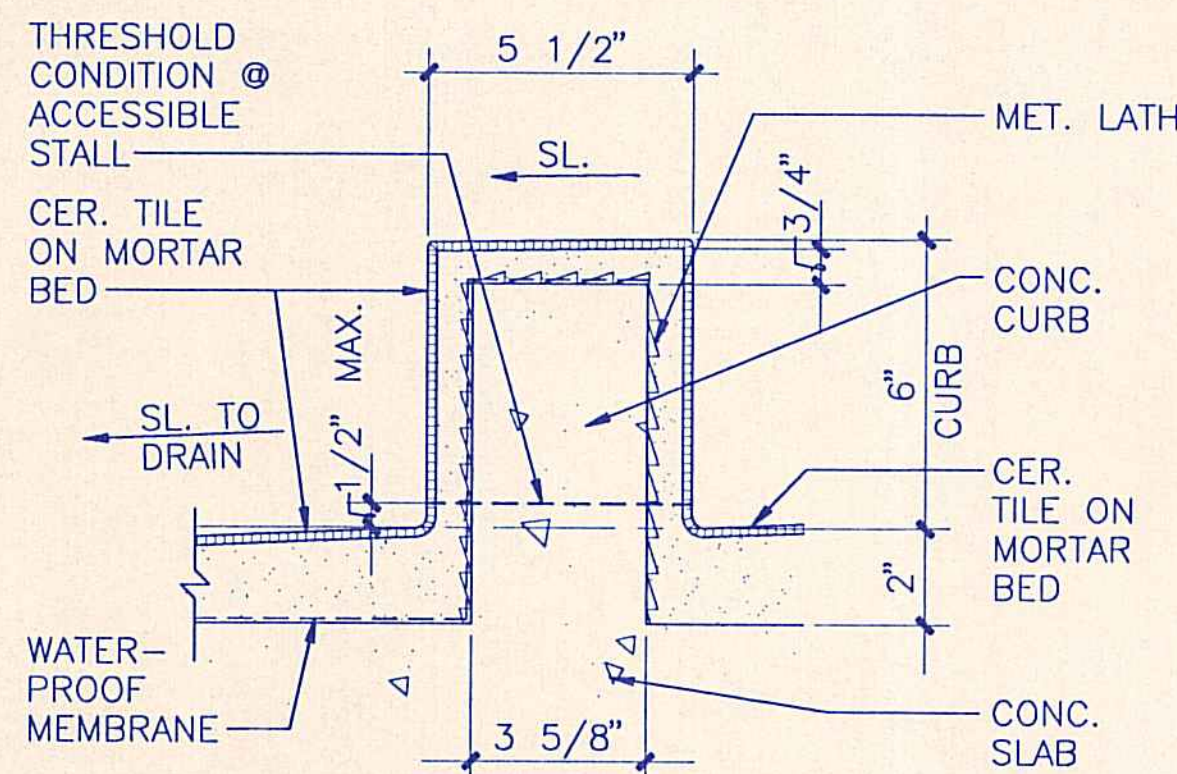
9 WINDOW JAMB
 3" = 1'-0"



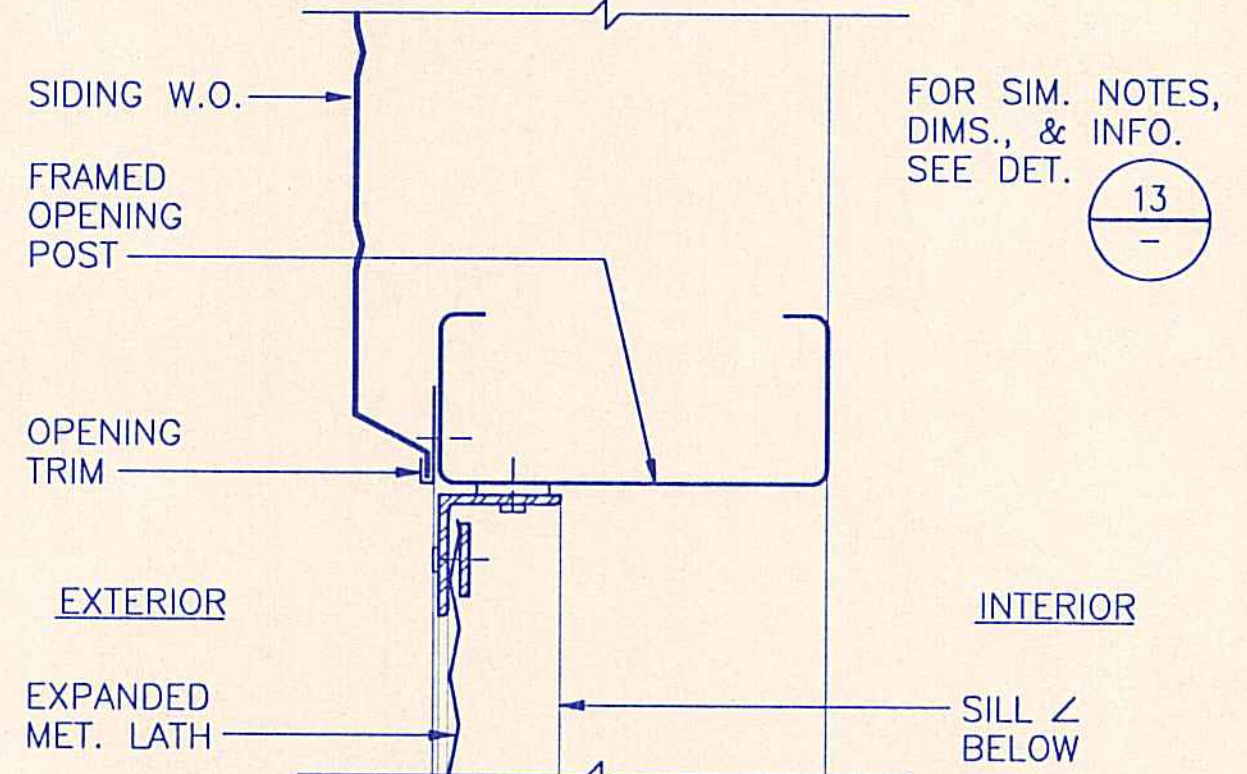
5 WINDOW JAMB (@ PROJECT-OUT SASH)
 3" = 1'-0"



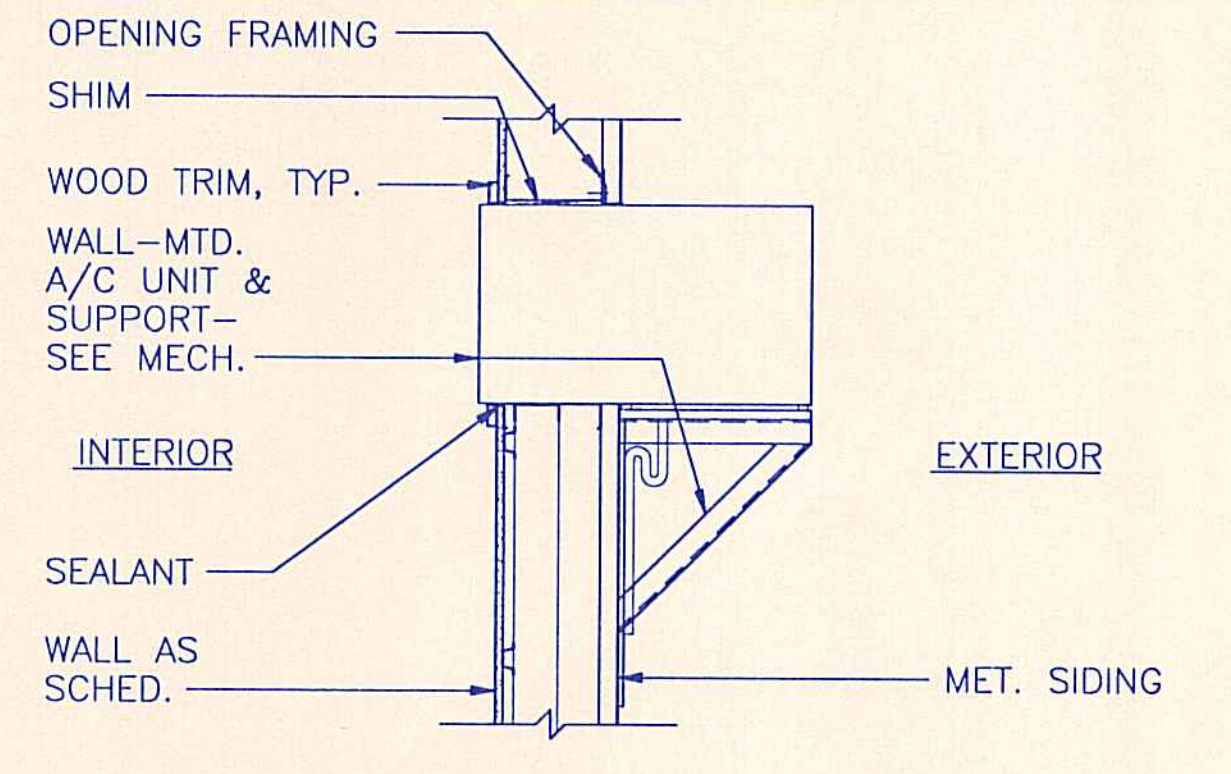
1 WINDOW HEAD
 3" = 1'-0"



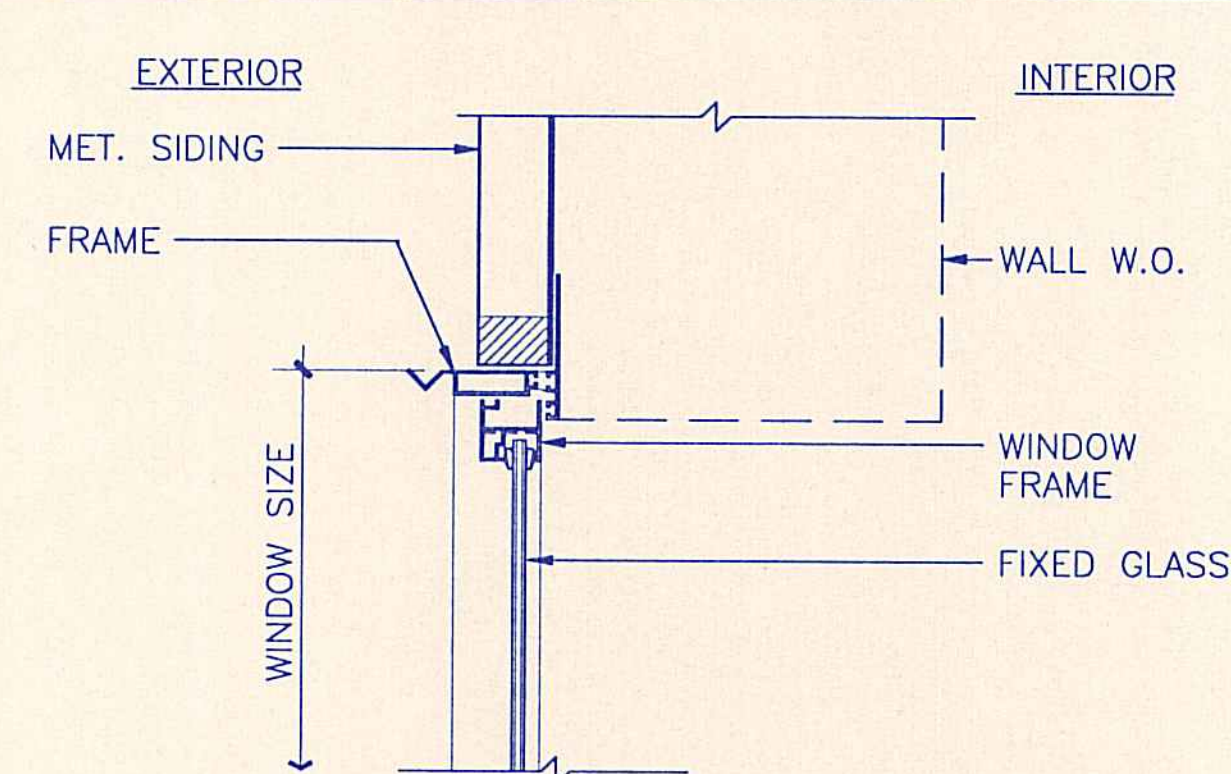
18 SECTION THRU CURB
 3" = 1'-0"
 (@ SHOWER STALL)



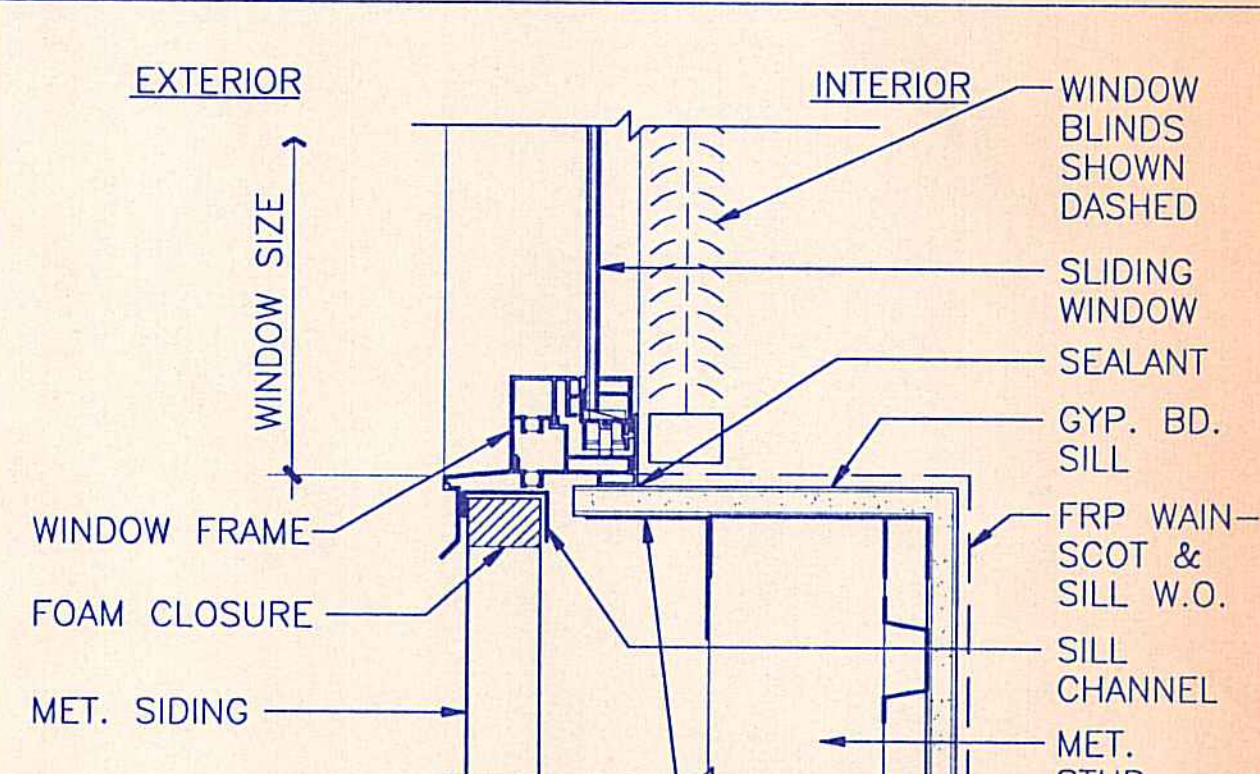
14 JAMB @ SCREENED OPENING
 3" = 1'-0"



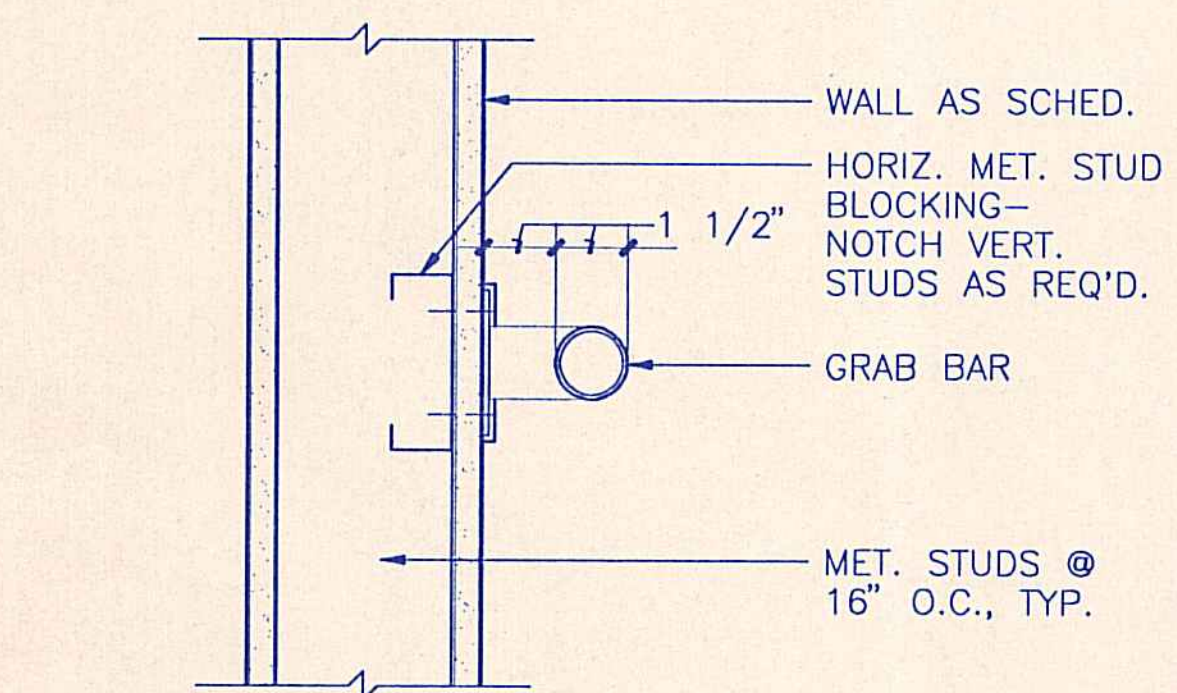
10 SECTION @ WALL MTD. A/C UNIT
 1 1/2" = 1'-0"



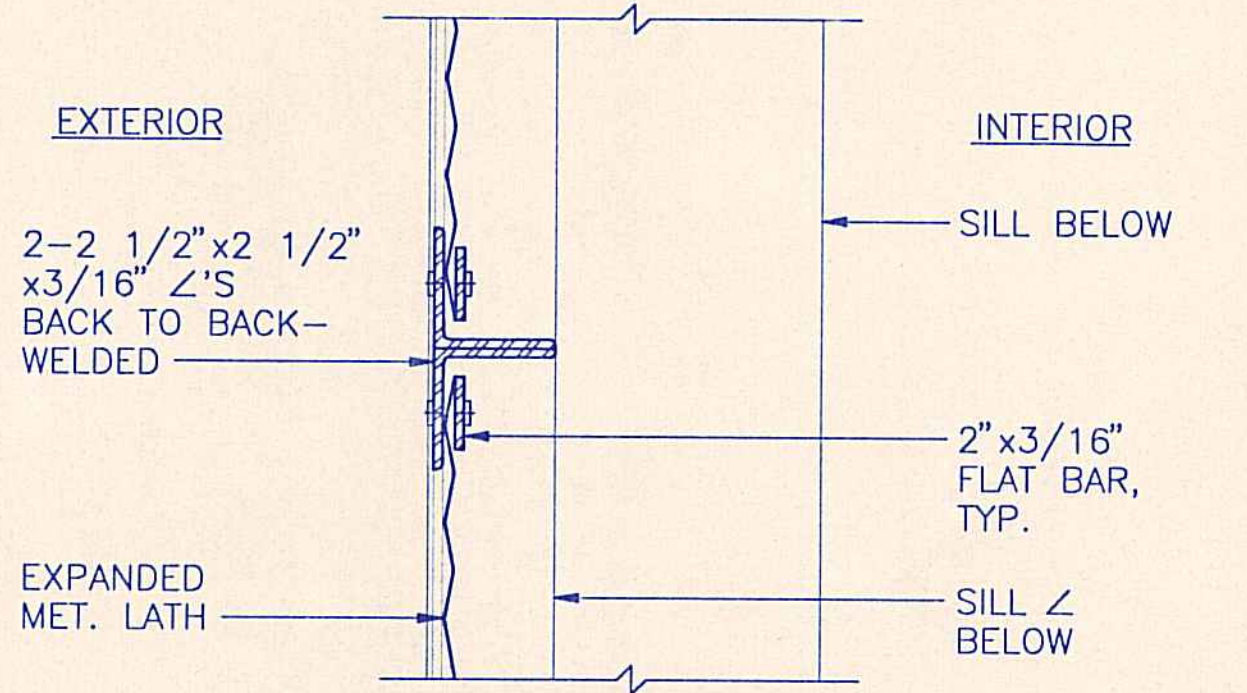
6 WINDOW HEAD
 3" = 1'-0"



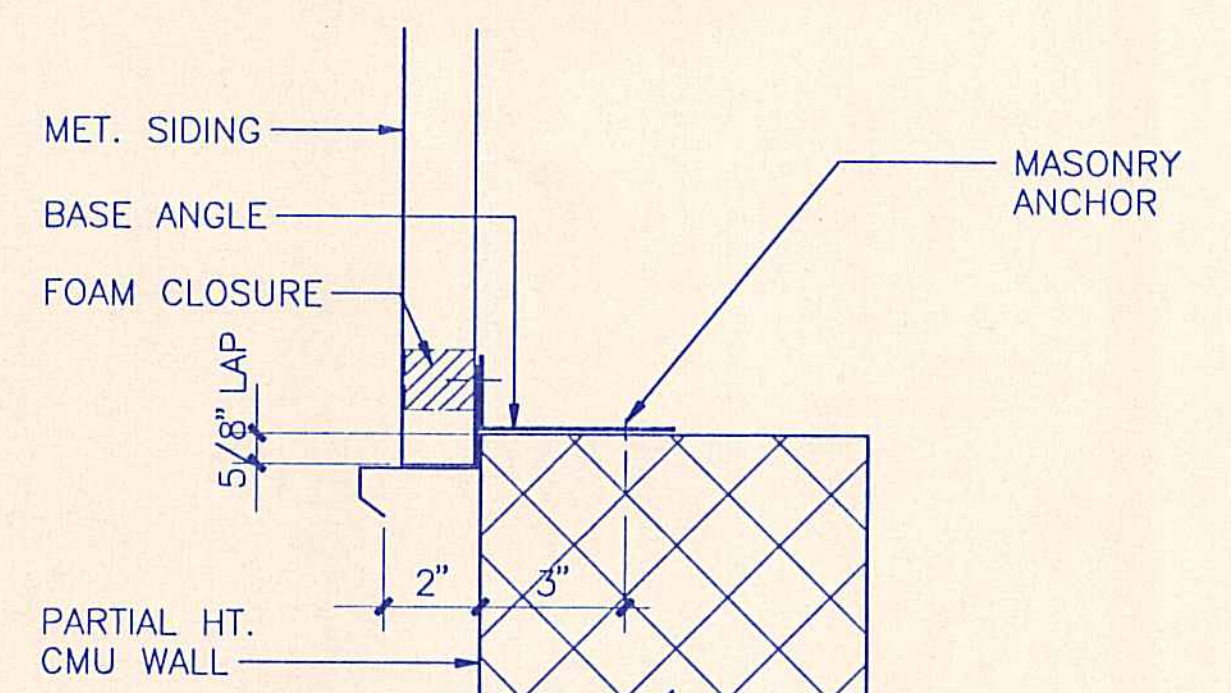
2 WINDOW SILL
 3" = 1'-0"



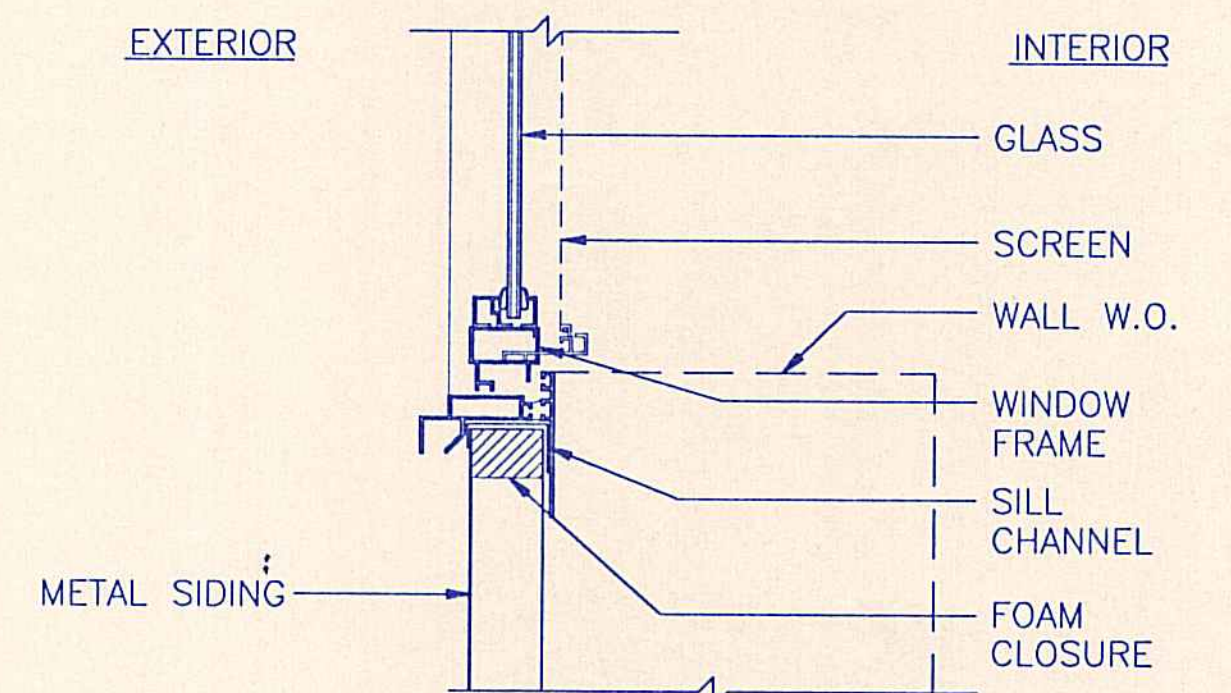
19 BLOCKING DETAIL
 3" = 1'-0"



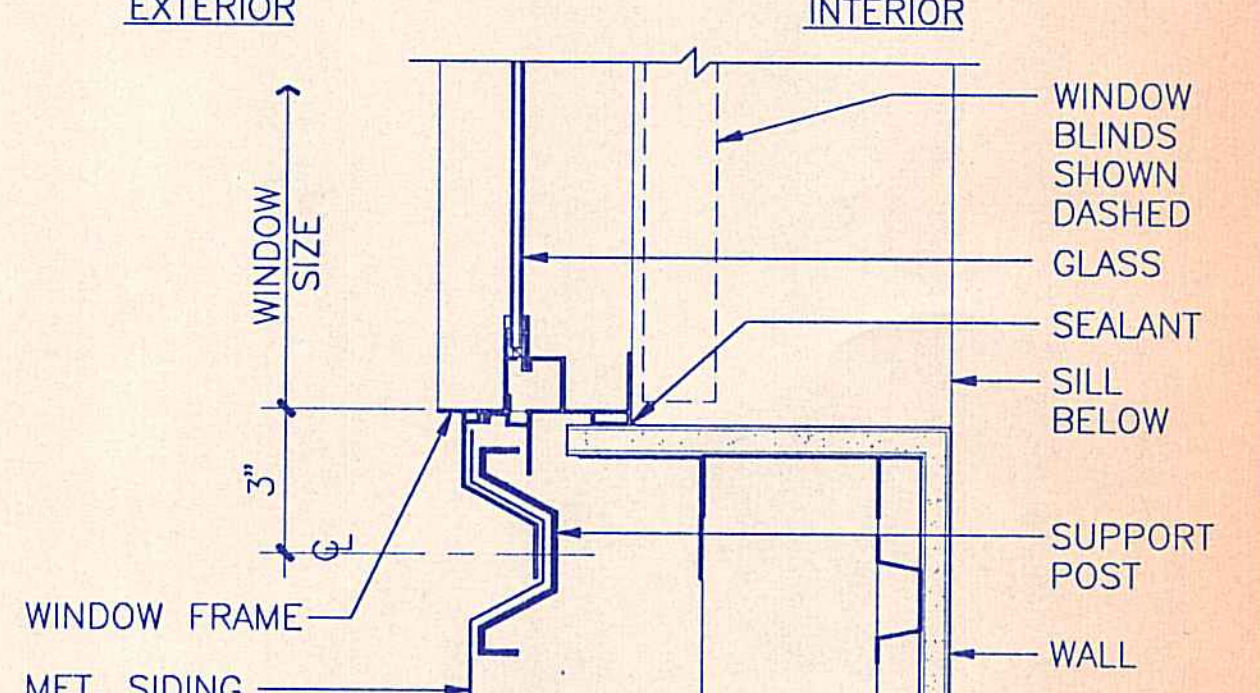
15 PLAN SECT. @ STIFFENER
 3" = 1'-0"



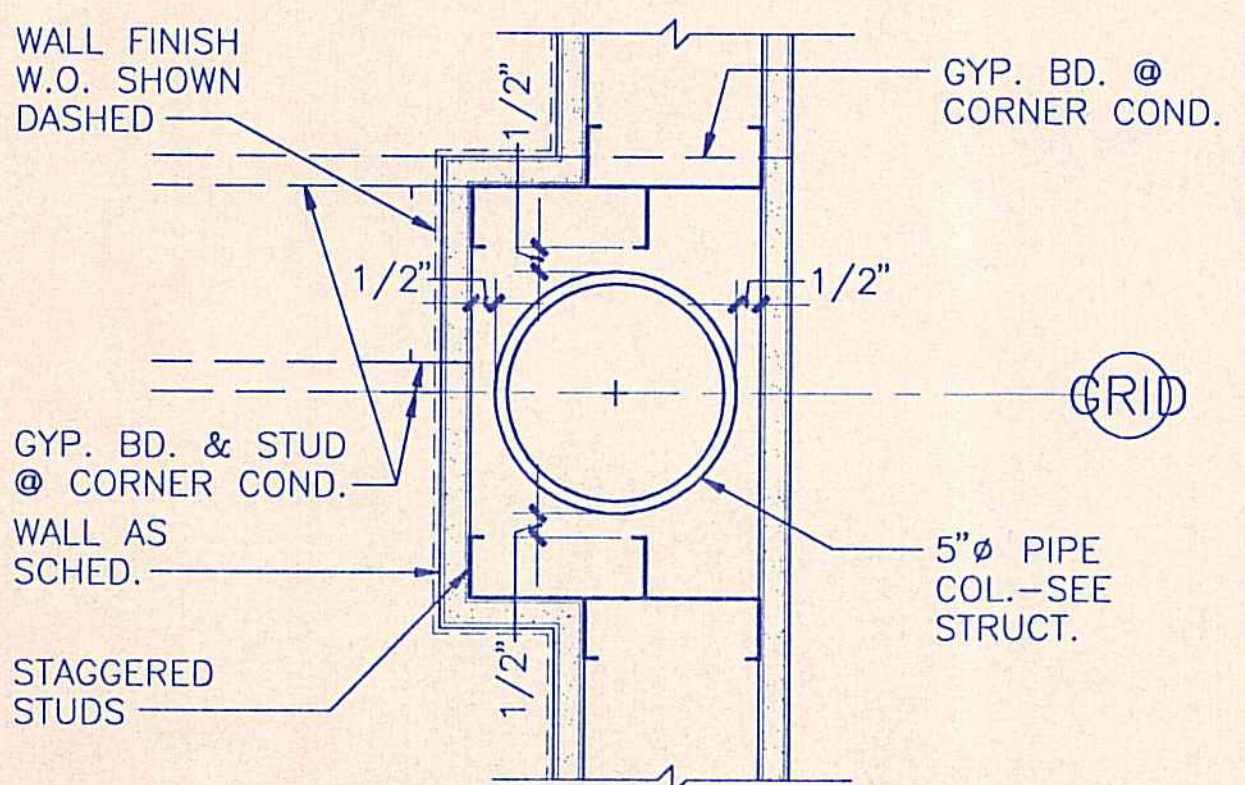
11 BASE DETAIL
 3" = 1'-0"



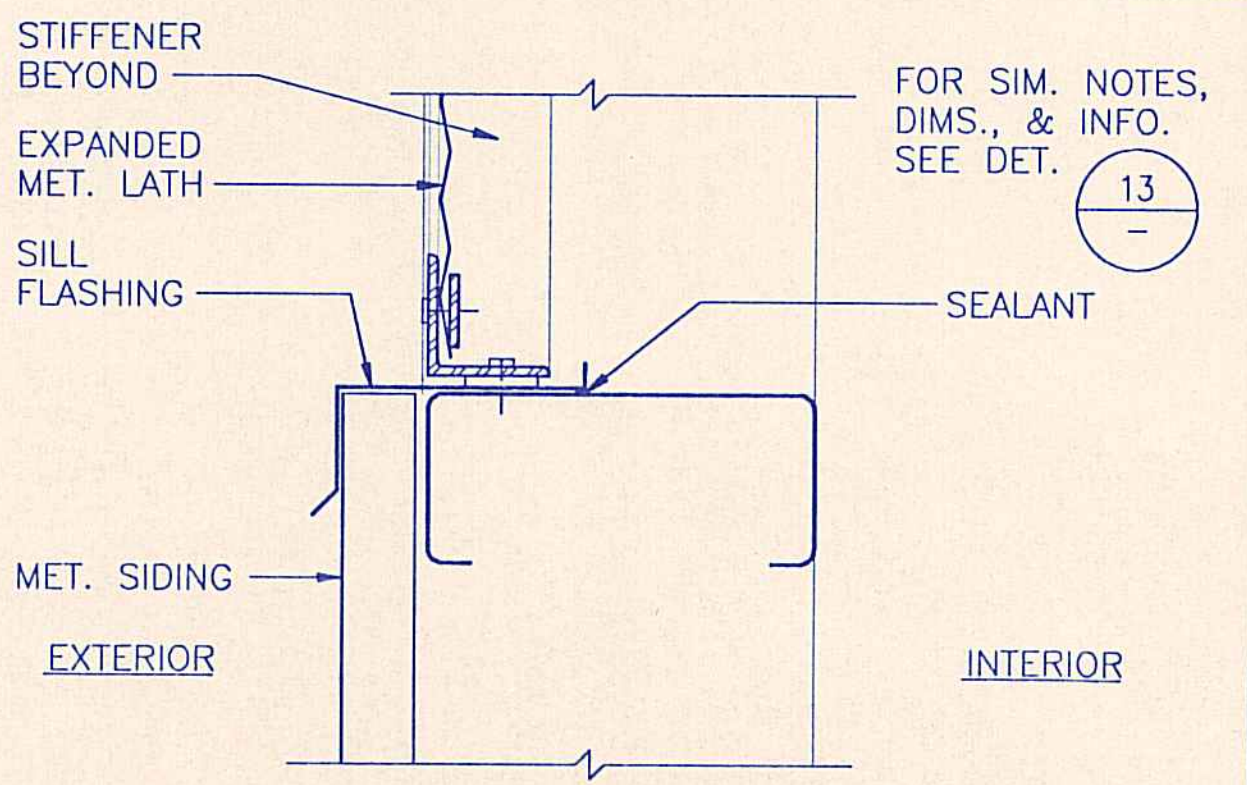
7 WINDOW SILL
 3" = 1'-0"



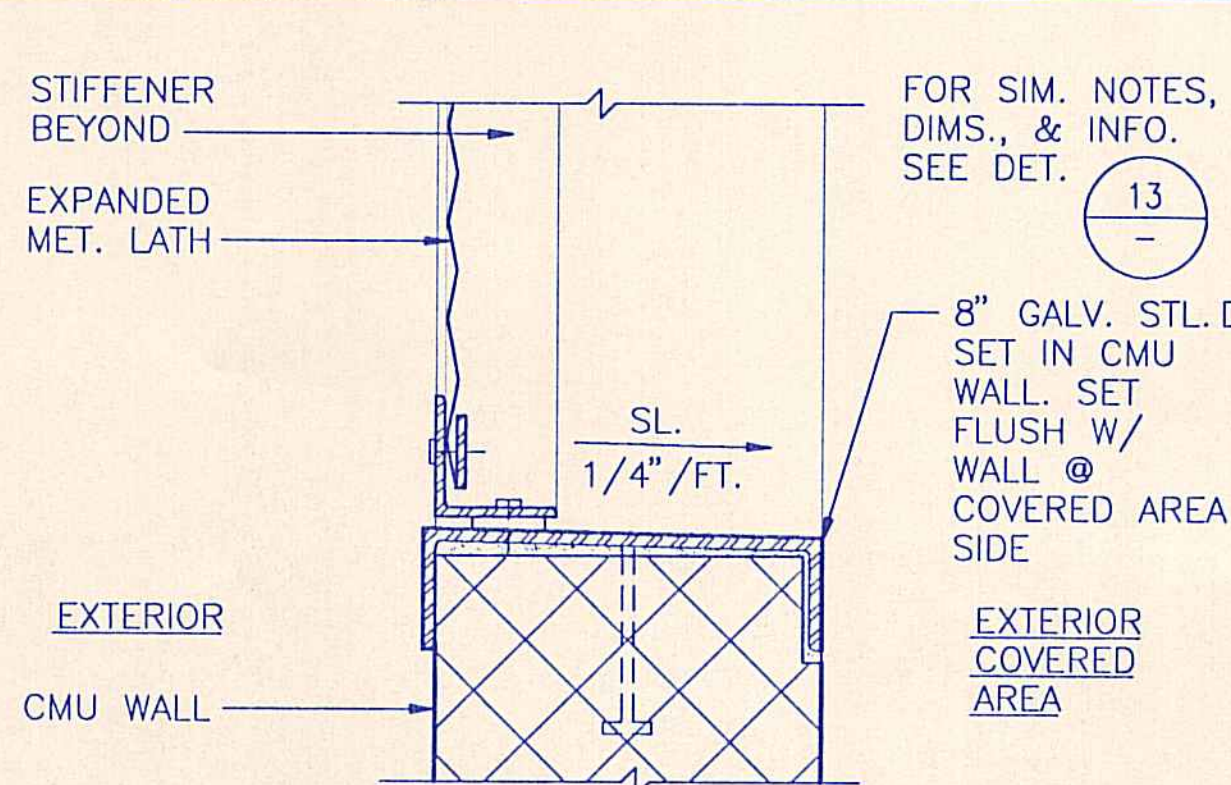
3 WINDOW JAMB
 3" = 1'-0"



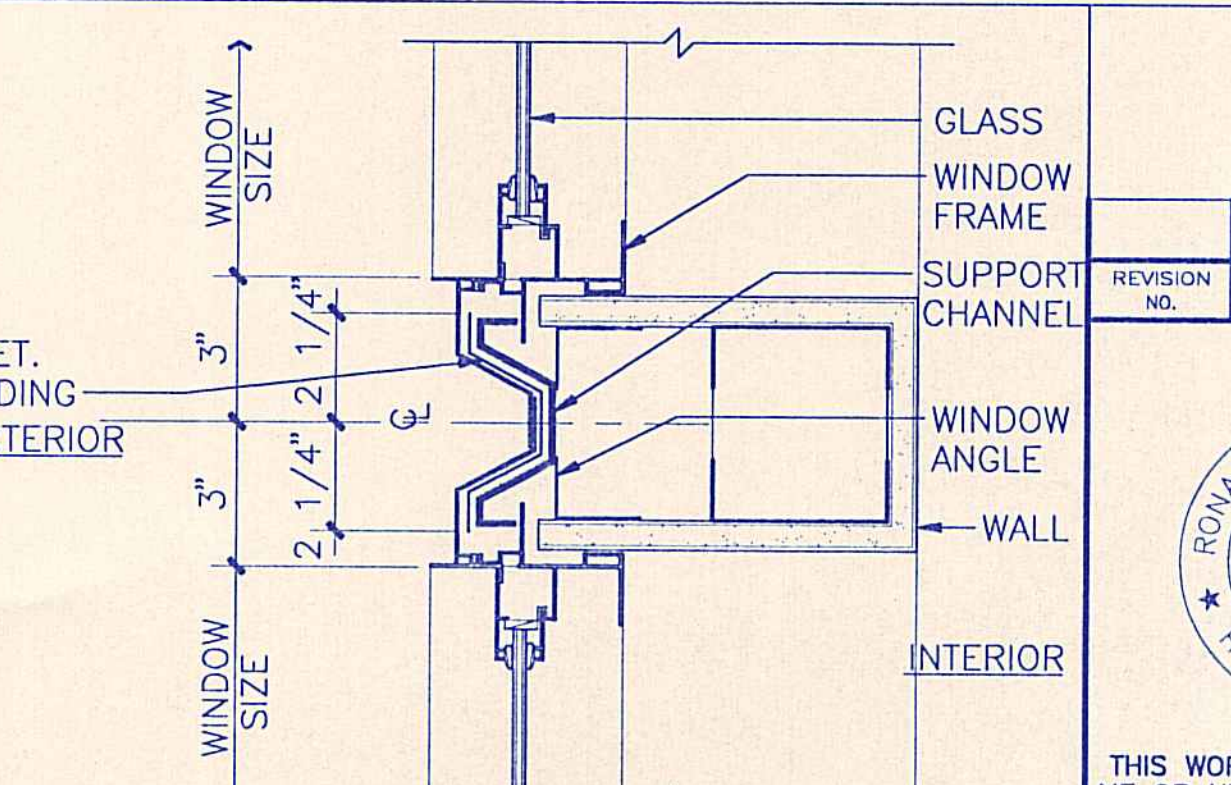
20 DETAIL @ PIPE COL.
 3" = 1'-0"



16 SILL @ SCREENED OPENING
 3" = 1'-0"



12 SILL @ SCREENED ENCLOSURE
 3" = 1'-0"

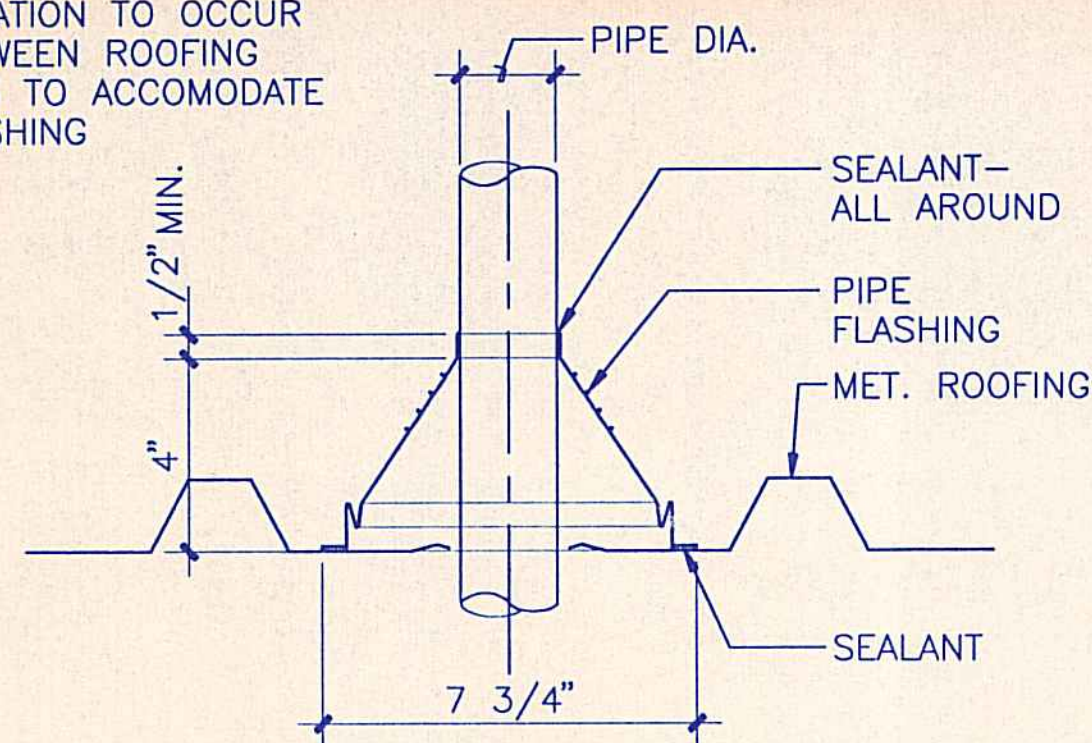


8 WINDOW JAMB (@ MULTIPLE WNDWS)
 3" = 1'-0"

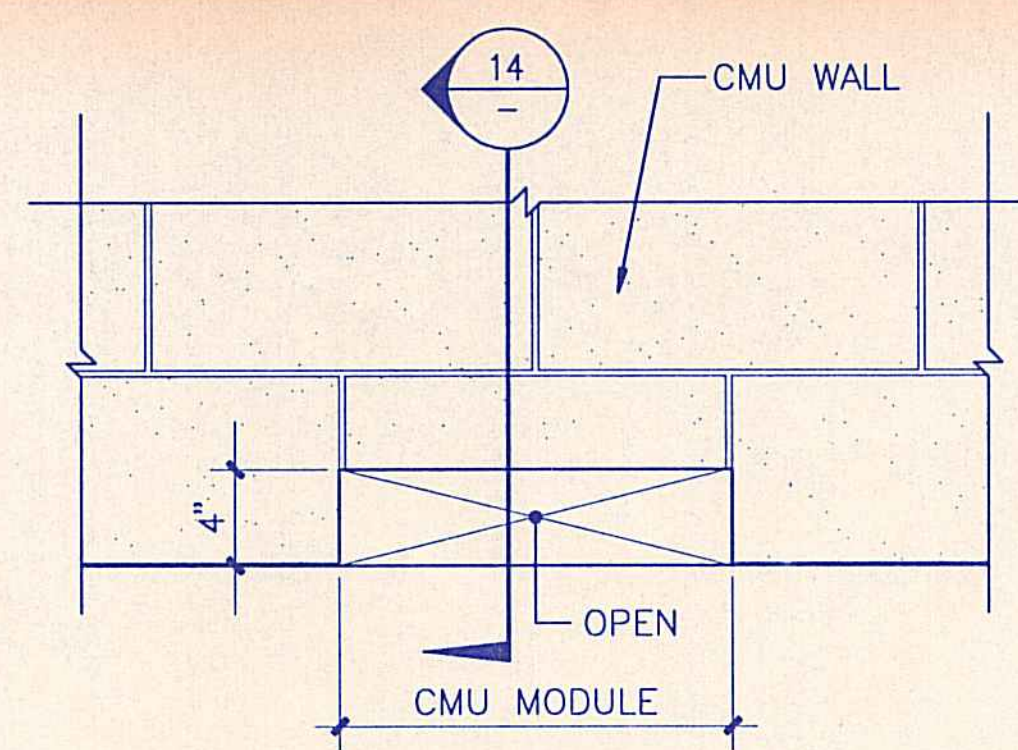
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

STATE OF HAWAII
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 DIVISION OF WATER AND LAND DEVELOPMENT
 STATE TREE NURSERY OPERATIONS BUILDING
 LALAMILLO, SOUTH KOHALA, HAWAII
 WDW., SCREEN, & MISC. DETAILS
 FINAL SUBMITTAL
 DESIGNED: EA
 DRAWN: KK
 CHECKED: WH
 APPROVED: [Signature]
 SUBMITTED: [Signature]
 DATE: MAY 12, 1994
 SCALE: 3" = 1'-0"
 DRAWING NO. A-12
 MANAGER-CHIEF ENGINEER

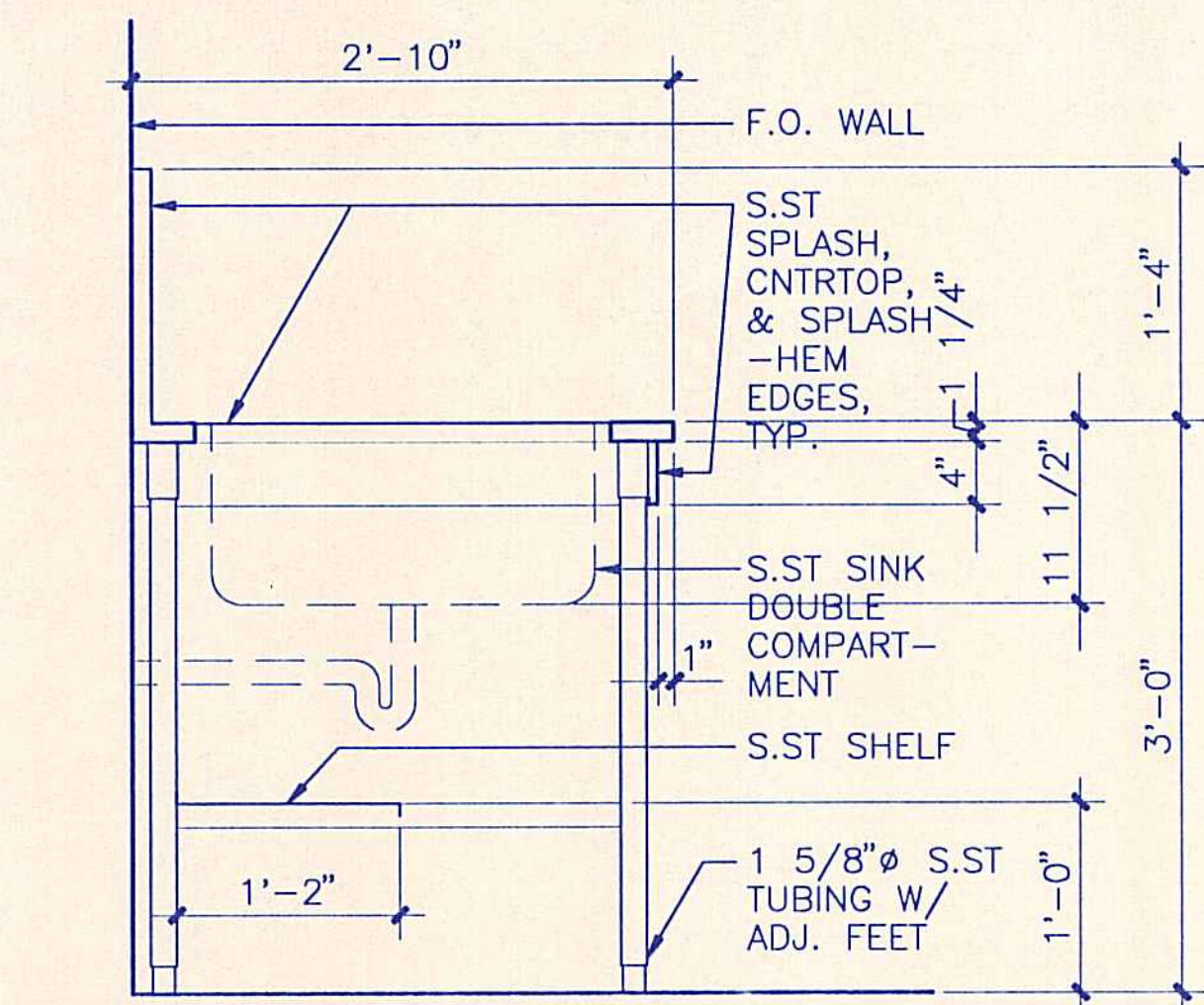
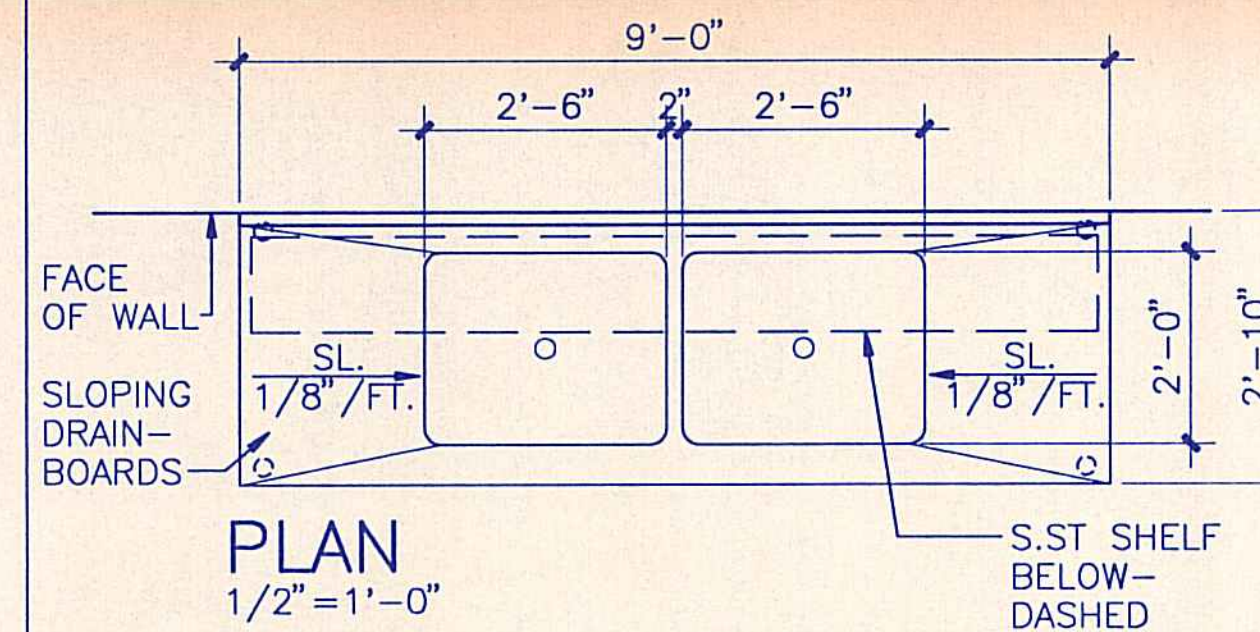
NOTE: VENT PIPE LOCATION TO OCCUR BETWEEN ROOFING RIBS TO ACCOMMODATE FLASHING



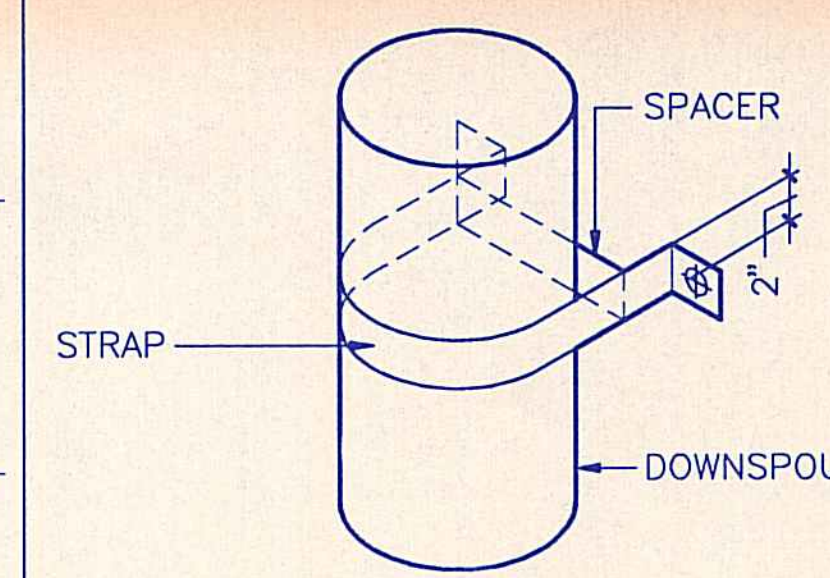
17 PIPE FLASHING
3"=1'-0"



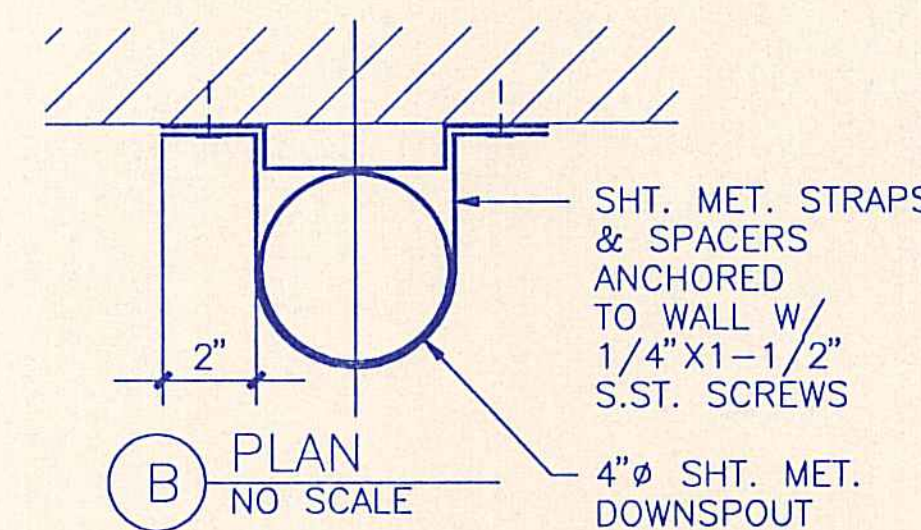
13 OPENING THRU CMU WALL
1 1/2"=1'-0"



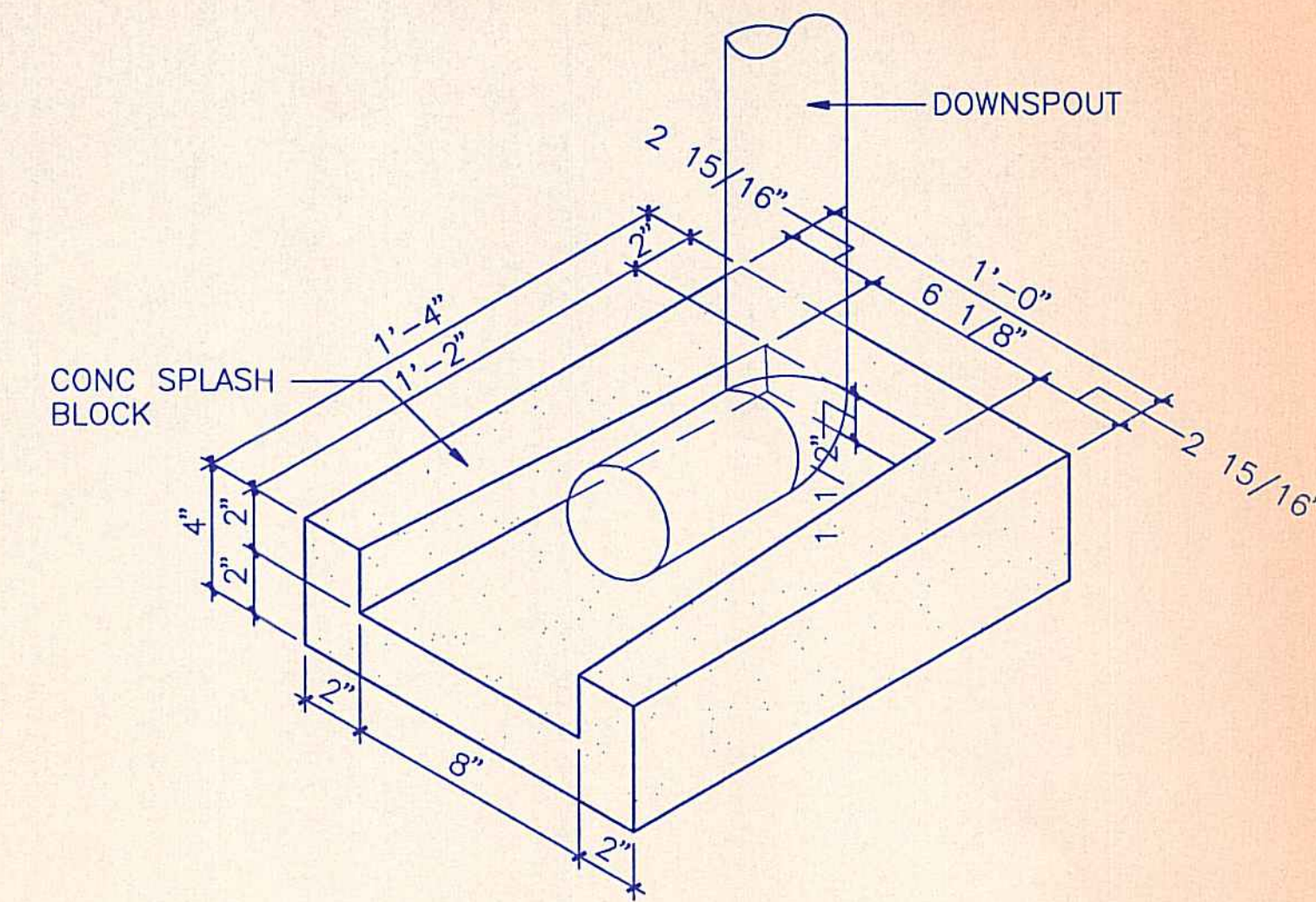
10 S.S.T. SINK
SCALE AS NOTED



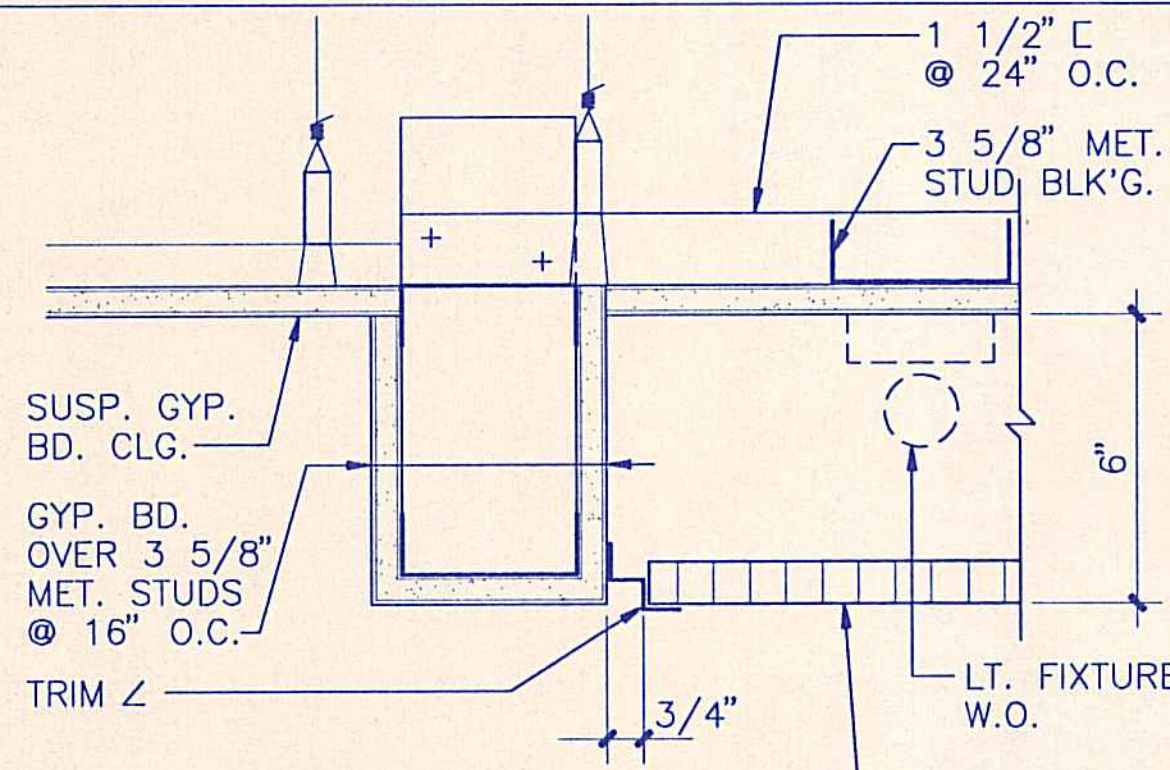
6A STRAP ISOMETRIC
NO SCALE



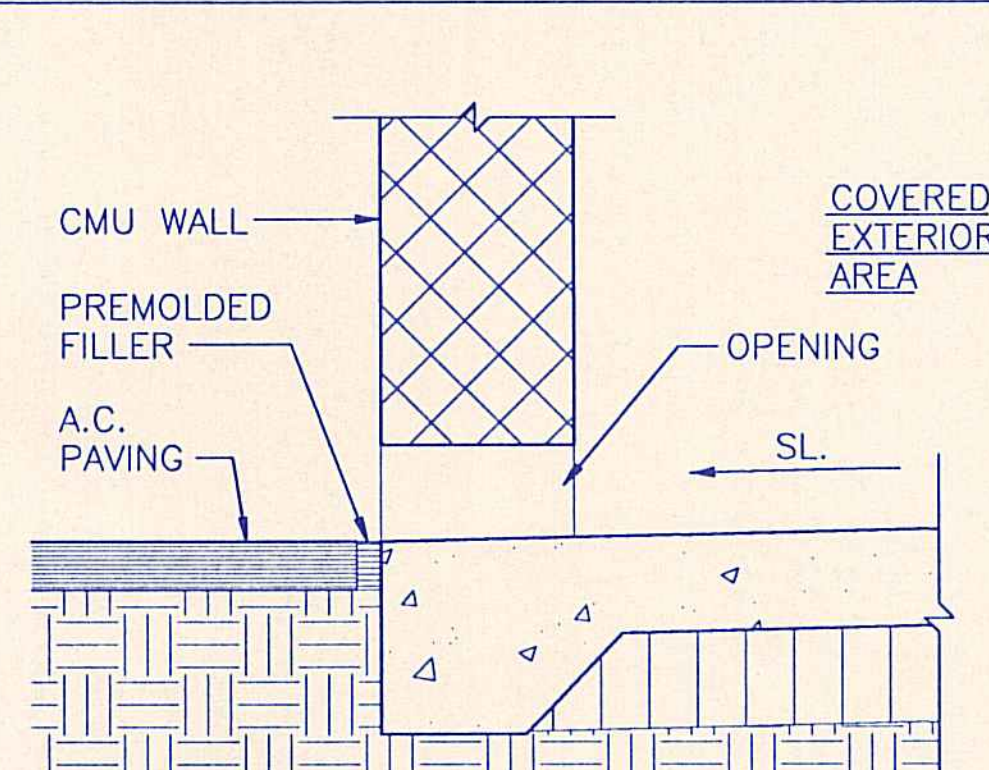
6B SPLASH BLOCK DETAIL
NO SCALE



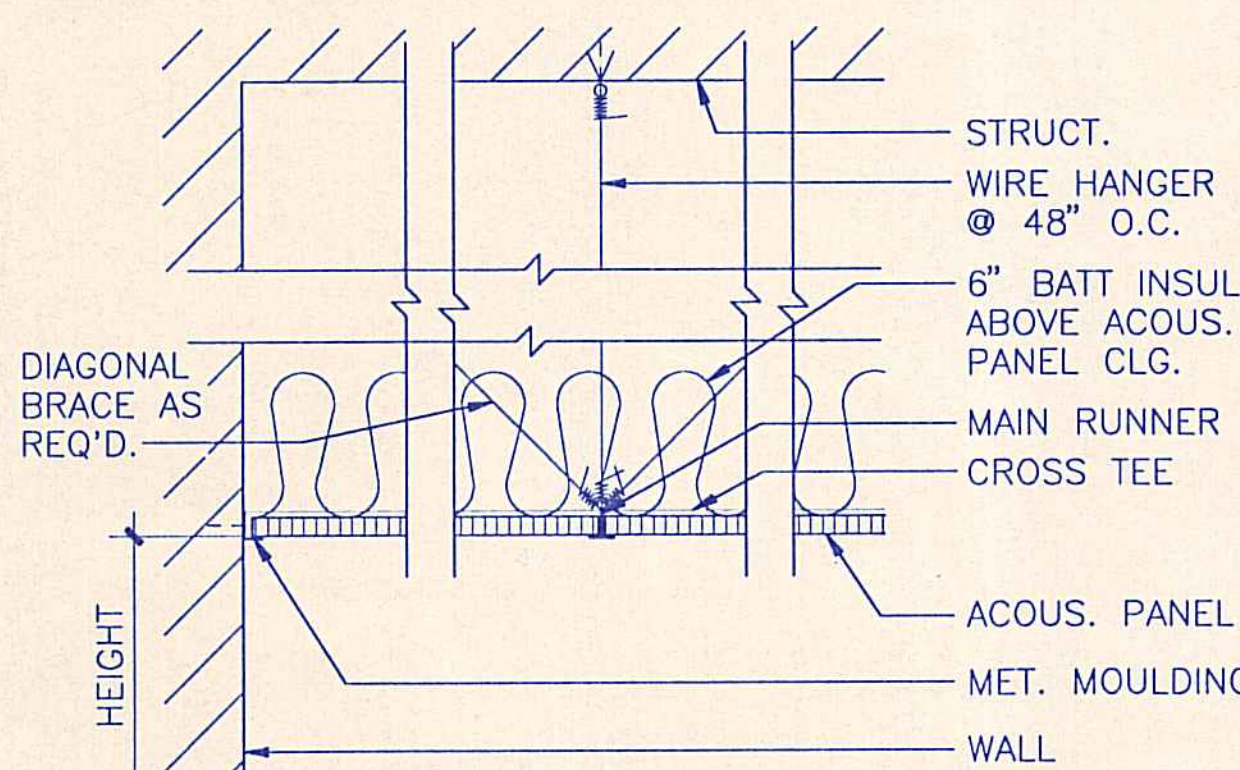
6C SPLASH BLOCK ISOMETRIC
NO SCALE



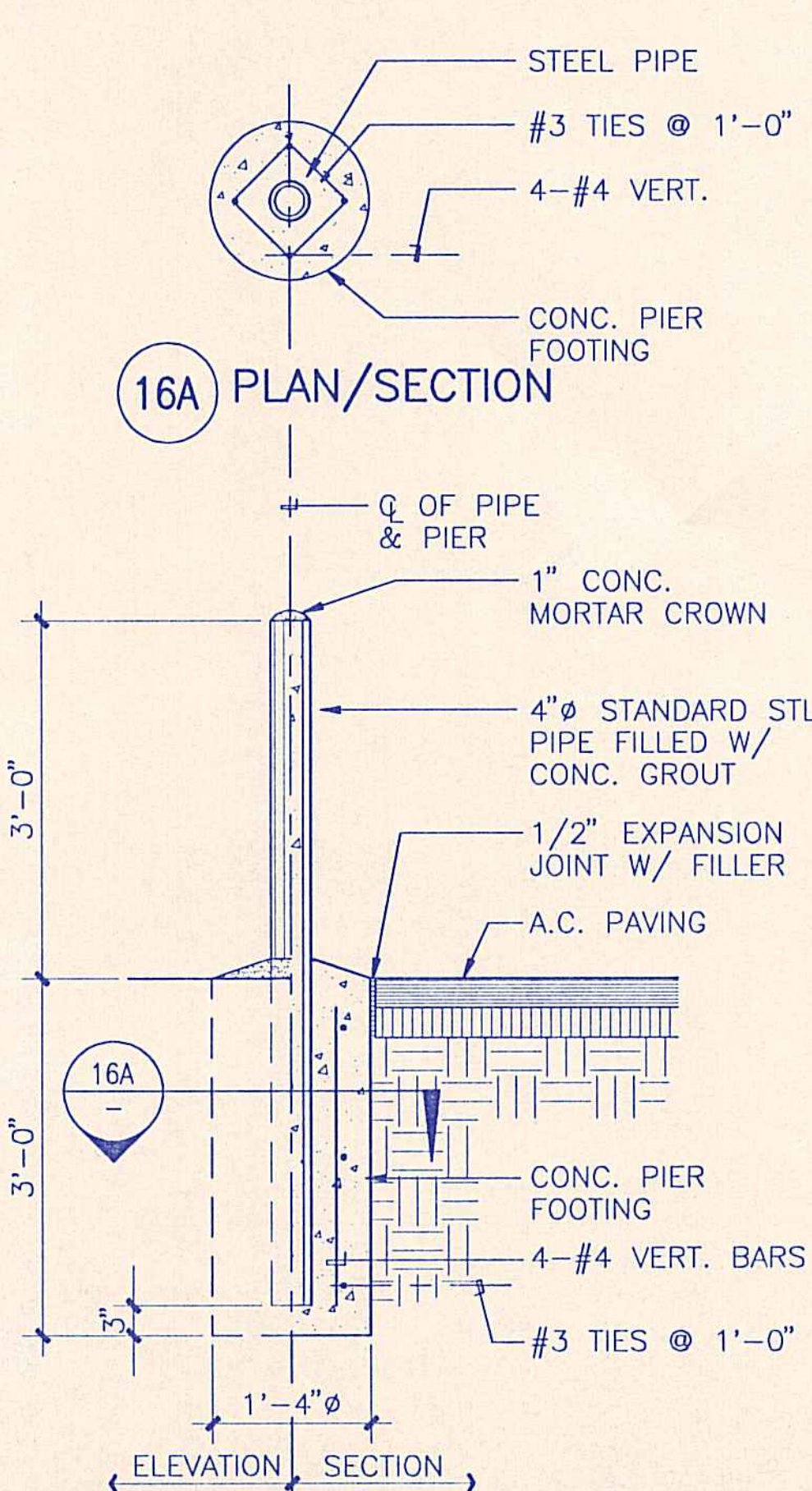
18 SECTION THRU SOFFIT
3"=1'-0"



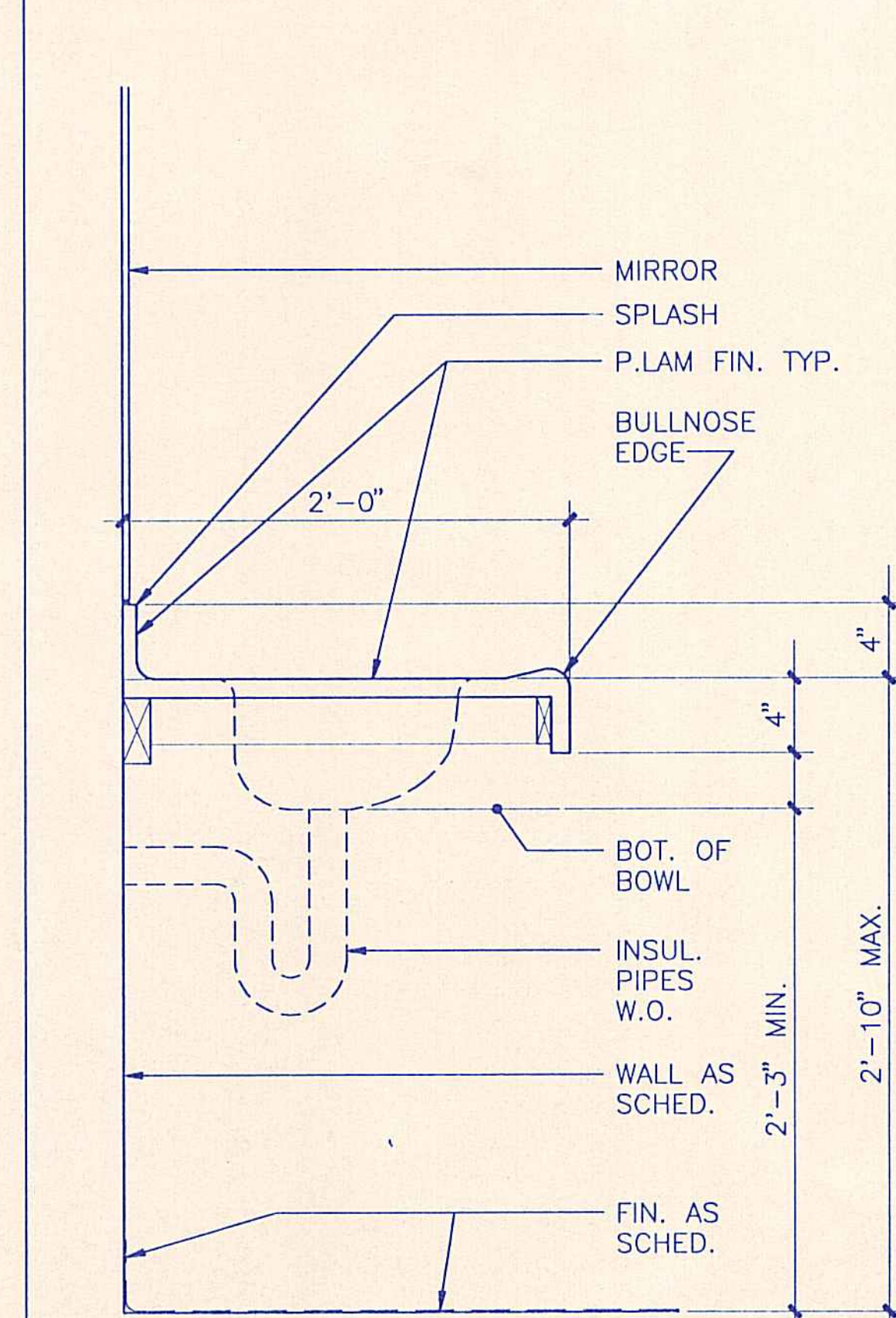
14 SECTION THRU CMU OPENING
1 1/2"=1'-0"



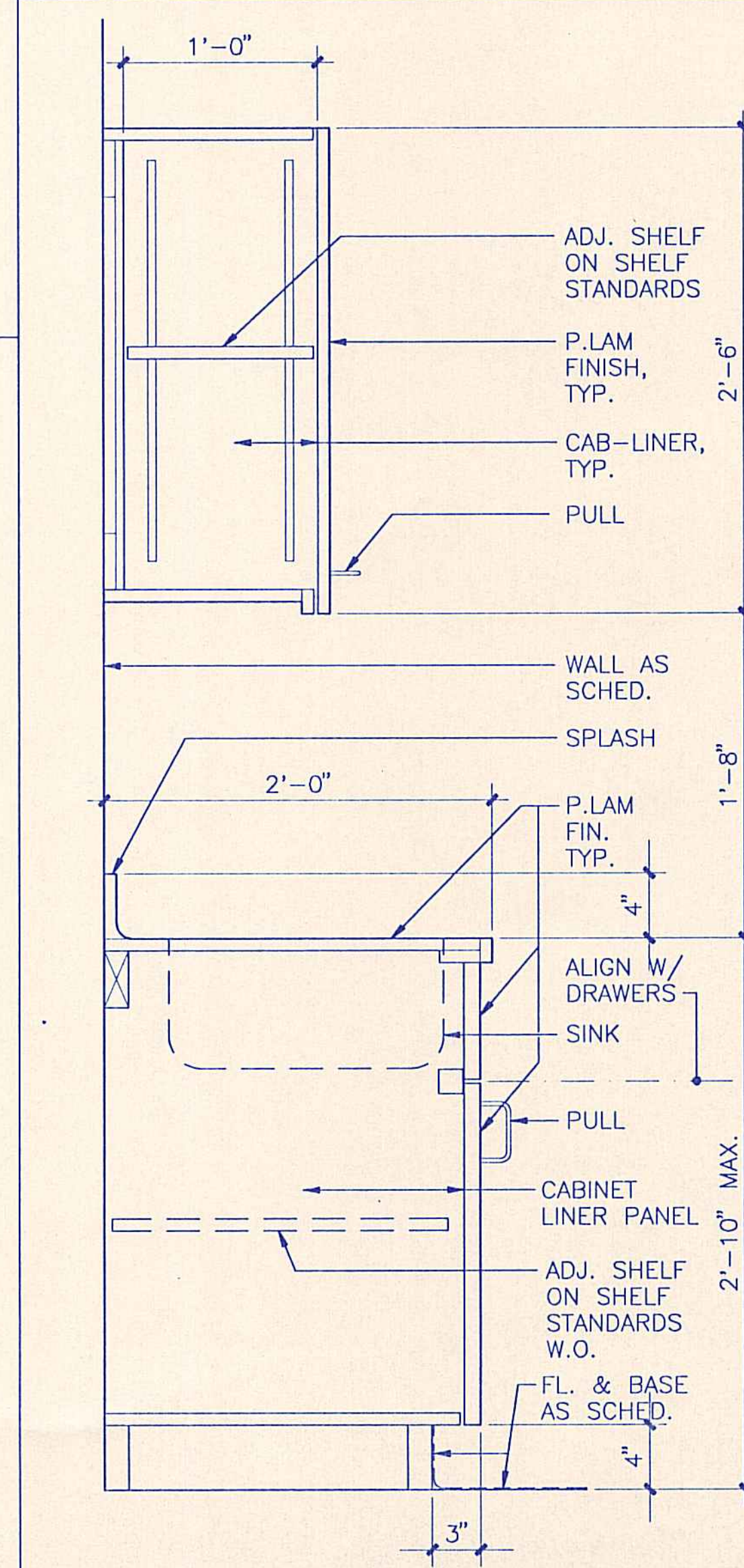
19 ACOUSTICAL CEILING
1 1/2"=1'-0"



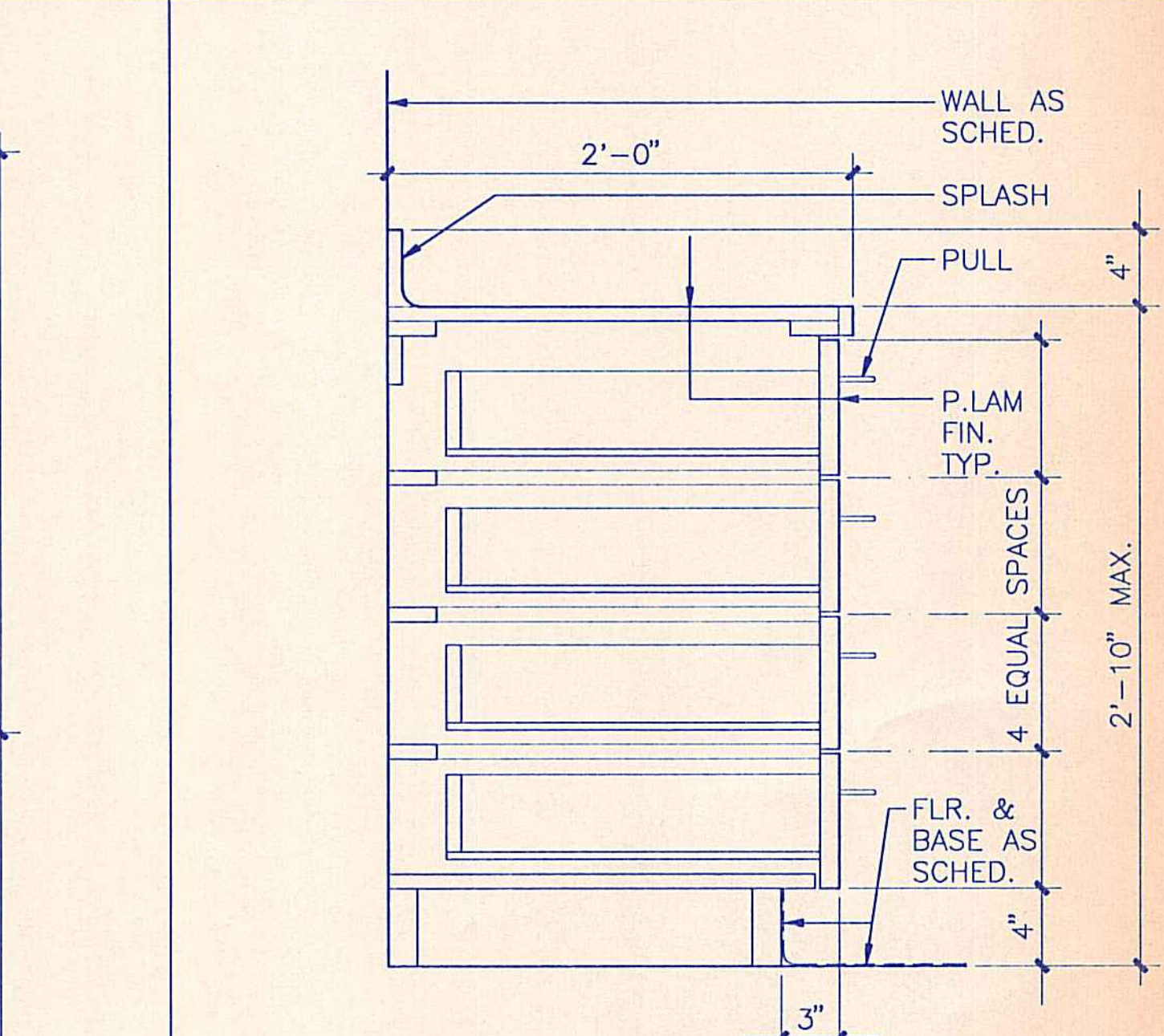
16A PIPE BOLLARD
3/4"=1'-0"



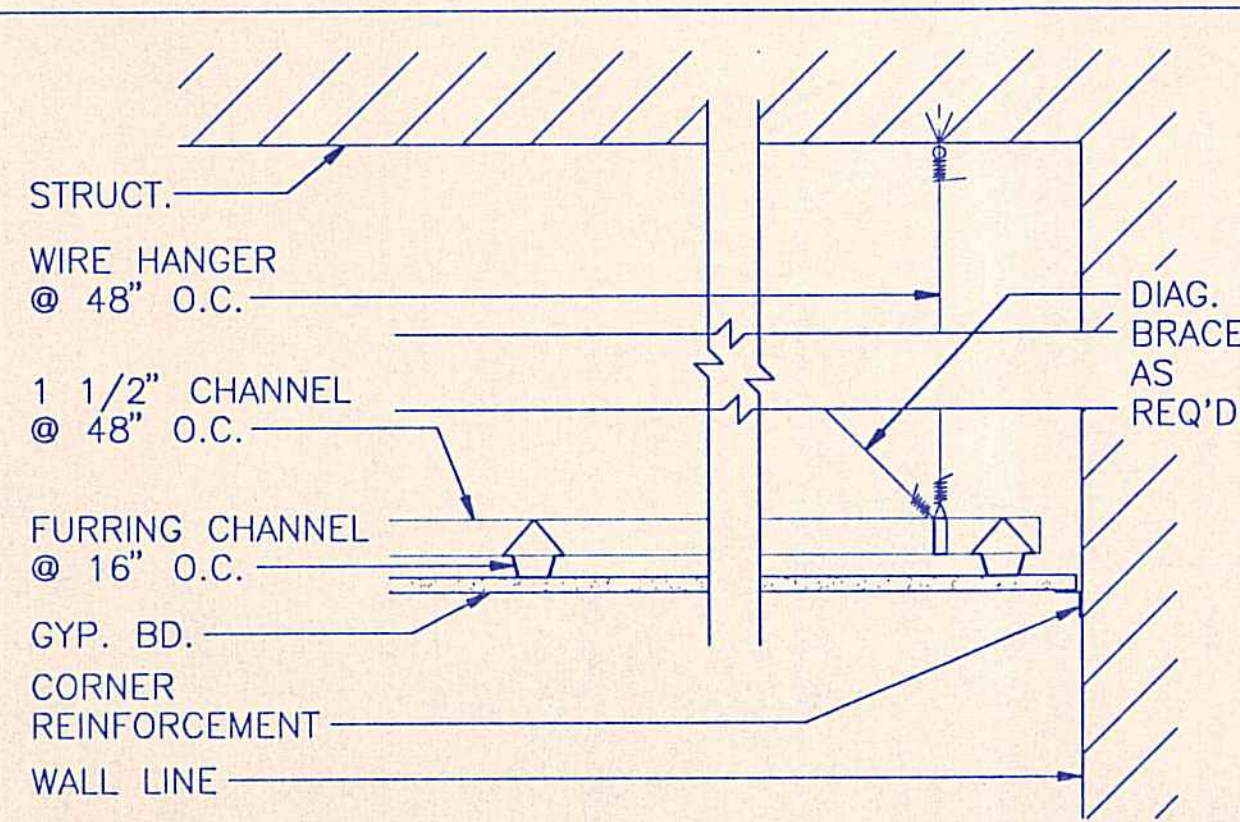
12 TOILET LAVATORY
1 1/2"=1'-0"



8 CASEWORK SECTION
1 1/2"=1'-0"



3 CASEWORK SECTION
1 1/2"=1'-0"



20 GYP. BD. CEILING
1 1/2"=1'-0"

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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
STATE TREE NURSERY OPERATIONS BUILDING
LALAMILO, SOUTH KOHALA, HAWAII

MISC. DETAILS
FINAL SUBMITTAL

DESIGNED: EA
DRAWN: KK
CHECKED: WH
APPROVED: *Ronald H. Kuniwitsu*
MANAGER-CHIEF ENGINEER

SUBMITTED: *nd*
DATE: MAY 12, 1994
SCALE: AS NOTED
DATE: *5-11-94*

DRAWING NO. A-13

FINISH SCHEDULE

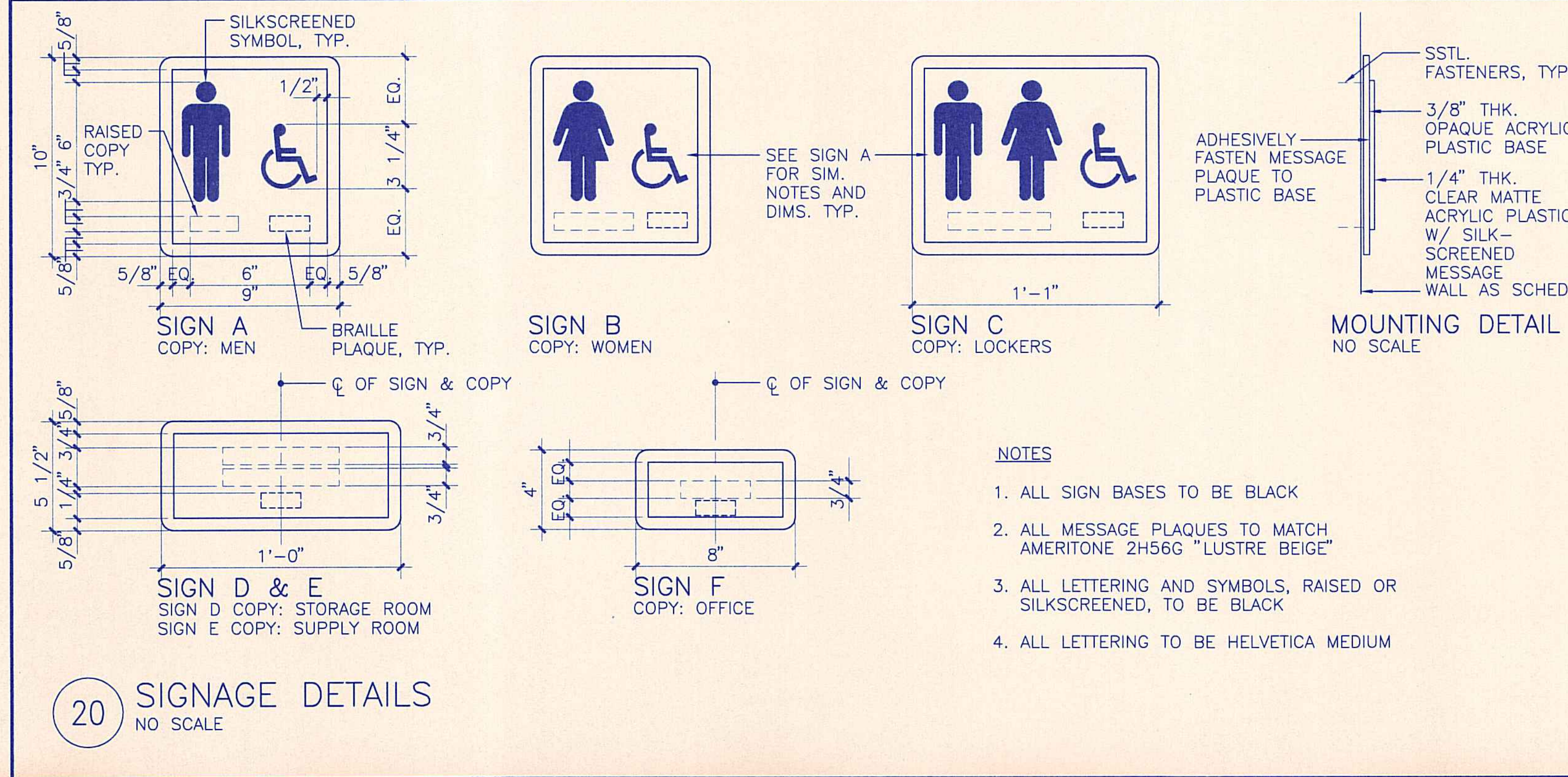
MATERIAL SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WAINSCOT	WALL A	WALL B	WALL C	WALL D	CEILING	SOFFIT	REMARKS
100	AIR COMPRESSOR	CONC-1	-	-	-	-	-	-	-	-	
101	OPEN WORK AREA	CONC-1	RB-1	-	-	-	PT-1	PT-1/-	-	-	
102	STORAGE	CONC-1	-	-	-	-	-	-	-	-	
103	SUPPLY RM.	CONC-1	-	-	-	-	-	-	-	-	
104	CORRIDOR	CONC-1	RB-1	-	PT-1	-	PT-1	-	PT-1	-	
105	MEN'S LOCKER RM.	RF-1	RB-1	-	PT-1	PT-1	PT-1	PT-1	PT-1	-	WDW TREATMENT: HB-1
105A	MEN'S SHOWER	CT-1	CT-1	-	PT-1/CT-1	PT-1	PT-1/CT-1	CT-1	PT-1	-	GROUT: GT-1
105B	MEN'S TOILET	CT-1/RF-1	CT-1/RB-1	FRP/-	PT-1	PT-1	PT-1	PT-1	PT-1	PT-1	LAV. CTR./TOILET PTN: PL-1 GROUT: GT-1 WDW TREATMENT: HB-1
106	VESTIBULE	RF-1	RB-1	-	PT-1	PT-1	PT-1	PT-1	PT-1	-	
107	WOMEN'S LOCKER RM.	RF-1	RB-1	-	PT-1	PT-1	PT-1	PT-1	PT-1	-	WDW TREATMENT: HB-1
107A	WOMEN'S TOILET	CT-1/RF-1	CT-1/RB-1	FRP/-	PT-1	PT-1	PT-1	PT-1	PT-1	PT-1	LAV. CTR./TOILET PTN: PL-1 GROUT: GT-1 WDW TREATMENT: HB-1
107B	WOMEN'S SHOWER	CT-1	CT-1	-	PT-1/CT-1	PT-1	PT-1/CT-1	CT-1	PT-1	-	GROUT: GT-1
108	WORKROOM/OFFICE	RF-1	RB-1	-	PT-1	PT-1	PT-1	PT-1	PT-1	-	COUNTER: PL-1 WDW TREATMENT: HB-1
109	COVERED EXT. AREA	CONC-1	-	-	-	-	-	-	-	-	
200	MEZZANINE STORAGE	-	-	-	-	-	-	-	-	-	

KEY NO.	MATERIAL TYPE	SOURCE/MANUFACTURER	PATTERN NO./NAME	COLOR NO./NAME	REMARKS
AP-1	ACOUSTIC PANEL	ARMSTRONG	755 FISSURED	WHITE	24" x 48" x 5/8" SQUARE-CUT EDGE GRID: 15/16" EXPOSED TEE (FINISH: WHITE)
CT-1	CERAMIC TILE	AMERICAN OLEAN	CERAMIC MOSAICS	C11 ALABASTER	2" x 2" GT-1
CONC-1	CONCRETE FINISH	-	SMOOTH FINISH	NATURAL	
FRP	FIBERGLASS REINFORCED PLASTIC PANEL	KEMLITE CO.	GLASBORD-P	ALMOND OR EQUAL	EMBOSSSED SURFACE
GT-1	GROUT	AMERICAN OLEAN	-	AO TOAST	
PT-1	PAINT	SINCLAIR	-	COTTAGE WHITE	CEILING: SEMI-GLOSS WALL/SOFFIT: EGGSHELL TRIM: SEMI-GLOSS
PT-2	PAINT	SINCLAIR	-	BONE WHITE	DOORS: SEMI-GLOSS
PL-1	PLASTIC LAMINATE	FORMICA	858	PUMICE	MATTE
RB-1	RESILIENT BASE	BURKE	-	674P WARM GREY	4" COVE
RF-1	RESILIENT FLOOR	ARMSTRONG	STONETEX	52128 DESERT DUST	12" x 12" x 1/8"
HB-1	HORIZONTAL BLINDS	HUNTER DOUGLAS, INC.	CD80 FLEXALUM	002 ALABASTER	1" WIDE SLATS

NOTES:

1. THE USE OF MANUFACTURER'S NAME, BRAND, TEXTURE, AND COLOR IN THIS SCHEDULE IS TO ESTABLISH QUALITY, COLOR, TEXTURE AND SIZE. MATERIALS OF OTHER APPROVED EQUAL MANUFACTURERS WHICH MEET THESE REQUIREMENTS ARE ACCEPTABLE.
2. REFER TO PLANS, ELEVATIONS, AND FINISH SCHEDULE FOR LOCATION OF COLOR AND MATERIAL.



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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT

STATE TREE NURSERY OPERATIONS BUILDING
LALAMILO, SOUTH KOHALA, HAWAII

FINISH & MATERIAL SCHEDULES

FINAL SUBMITTAL

DESIGNED: EA
DRAWN: KK
CHECKED: WH

SUBMITTED: [Signature]
DATE: MAY 12, 1994
SCALE: NO SCALE

APPROVED: [Signature]
MANAGER-CHIEF ENGINEER
DATE: [Signature]

DRAWING NO. A-14

I. GENERAL NOTES

- A. GENERAL NOTES AND TYPICAL DETAILS APPLY TO THE ENTIRE PROJECT AND ALL PHASES OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- B. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AND SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE ENGINEER BEFORE COMMENCING WORK OR ORDERING MATERIALS.
- C. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR DETAILS NOT SHOWN.

II. CONSTRUCTION NOTES

- A. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR METHODS OF CONSTRUCTION, WORKMANSHIP, AND JOB SAFETY INCLUDING ALL FALSEWORK, BRACINGS AND OTHER TEMPORARY ITEMS USED FOR THE CONSTRUCTION OF THE PROJECT.

III. EARTHWORK NOTES

- A. A FOUNDATION REPORT HAS BEEN PREPARED BY SOILS INTERNATIONAL DATED MARCH 31, 1994. THIS REPORT IS AVAILABLE FOR REVIEW.
- B. ALL SITE PREPARATION SUCH AS GRADING AND COMPACTION OF FILL AND BACKFILL SHALL BE PERFORMED UNDER THE FOUNDATION ENGINEER'S OBSERVATION.

IV. CONCRETE BLOCK (CMU) NOTES

- A. ALL UNITS SHALL BE STANDARD 2-CELL TYPE, CONFORMING TO ASTM C90 TYPE N-II, MEDIUM WT. AGGREGATE, WITH F'M = 1,500 PSI. PROVIDE OPEN END, KNOCK-OUT, AND LINTEL UNITS AS SHOWN OR AS REQUIRED.
- B. MINIMUM REINFORCING, UNLESS OTHERWISE SHOWN, SHALL BE:
 - 1. VERTICAL BARS - #5 @ 32" O.C. WITH 2-#5 ADDED AT ENDS, CORNERS, AND INTERSECTIONS. PROVIDE DOWELS TO MATCH WALL REINFORCING.
 - 2. HORIZONTAL STEEL - TWO #4 IN BOND BEAMS @ 48" O.C. AND AT TOP AND BOTTOM OF WALLS. REINFORCING SHALL BE CONTINUOUS AROUND ALL CORNERS AND INTERSECTIONS. JOINT REINFORCING @ 16" O.C. BETWEEN BOND BEAMS.
- C. ALL CELLS BELOW GRADE OR CONTAINING REINFORCING, BOLTS OR INSERTS SHALL BE SOLIDLY FILLED WITH 2,500 PSI GROUT AND THOROUGHLY RODDED OR VIBRATED.

V. CONCRETE NOTES

- A. ALL CONCRETE SHALL DEVELOP THE FOLLOWING MINIMUM 28-DAY COMPRESSIVE STRENGTHS, (UNLESS SHOWN OTHERWISE):

ELEMENT	28 DAY STRENGTH (PSI)
1. FOOTINGS	3,000
2. SLAB ON GRADE	3,000
- B. SEE SPECIFICATIONS FOR MATERIAL, MIXING, PLACEMENT, TESTING AND CURING OF CONCRETE.
- C. ALL CONCRETE SHALL BE CURED FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS AFTER POURING BY THE USE OF WET BURLAP, FOG, SPRAYING, CURING COMPOUNDS, OR OTHER APPROVED METHODS.
- D. NON-SHRINK GROUT UNDER BASEPLATES, SILL PLATES, ETC., SEE SPECIFICATIONS.
- E. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318 LATEST APPROVED EDITION) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS OR SPECIFICATIONS.

VI. REINFORCING STEEL NOTES

- A. STRENGTHS - UNLESS OTHERWISE NOTED ON PLAN, ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60.
- B. SPLICES:
 - 1. UNLESS OTHERWISE NOTED MINIMUM SPLICE SHALL BE 40 BAR DIAMETER OR 2'-0" WHICHEVER IS GREATER.
 - 2. LOCATIONS UNLESS SHOWN OTHERWISE
 - a. WALLS - HORIZONTAL REINFORCING ALTERNATELY STAGGERED 3'-0" APART.
- C. CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
 - 1. FOOTINGS, ETC., POURED AGAINST EARTH. 3"
 - 2. FOOTINGS, ETC., POURED AGAINST FORMS AND LATER EXPOSED TO EARTH 2"
 - 3. SLABS EXPOSED TO WEATHER OR GROUND (UNLESS OTHERWISE NOTED)
 - a. #5 BAR OR SMALLER 1 1/2"
 - 5. SLABS AND WALLS (PROTECTED). 3/4"
- D. BAR BEND, HOOKS, AND OFFSETS SHALL BE IN ACCORDANCE WITH THE ACI RECOMMENDATIONS AND AS DETAILED IN DRAWINGS.
- E. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- F. REINFORCING STEEL, BOLTS, AND OTHER INSERTS SHALL BE POSITIVELY SECURED IN PLACE BEFORE POURING CONCRETE. BAR PLACEMENT AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

VII. STRUCTURAL STEEL NOTES

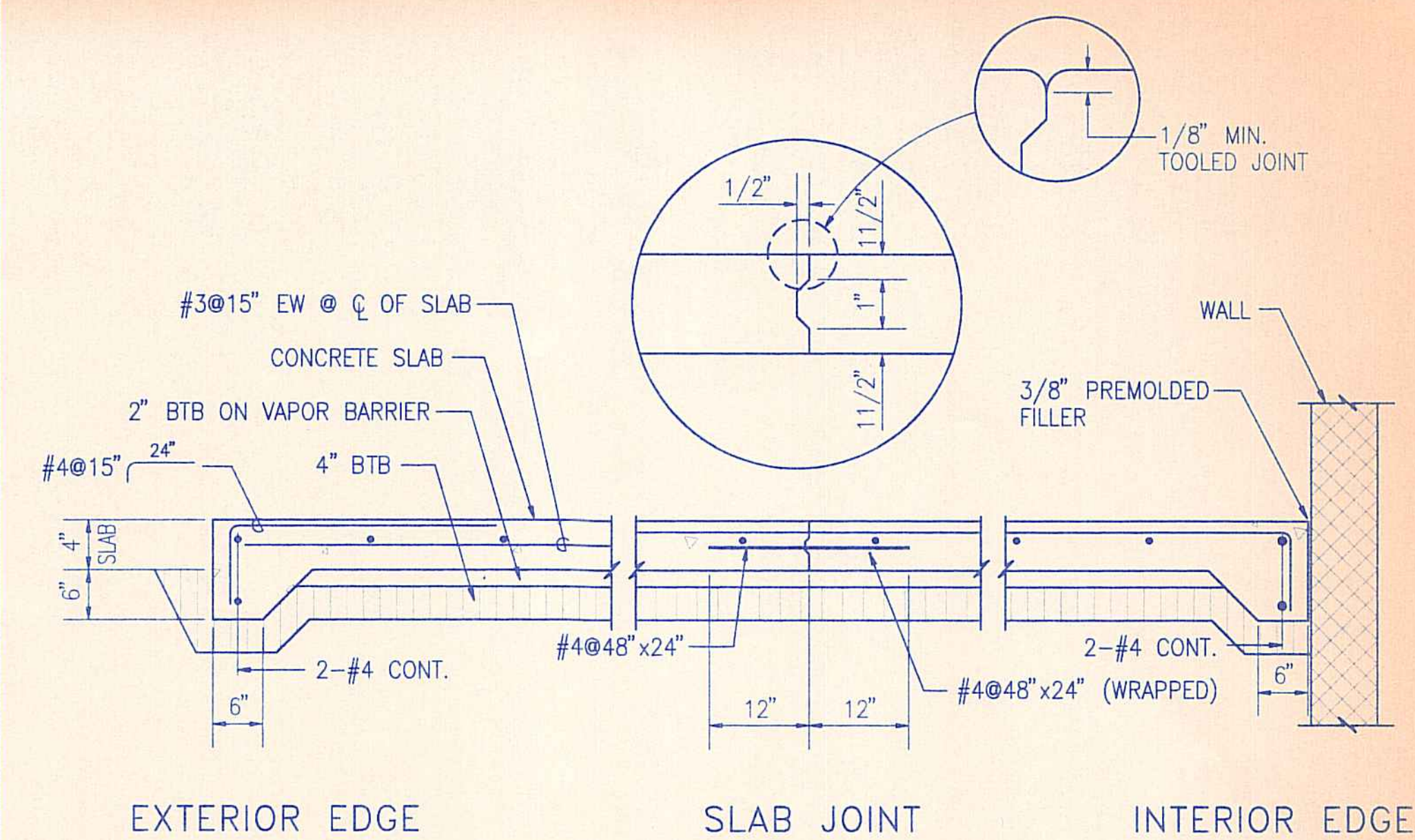
- A. MATERIAL:
 - 1. STRUCTURAL STEEL SHAPES AND PLATES SHALL MEET THE REQUIREMENTS OF ASTM A36 UNLESS NOTED OTHERWISE.
 - 2. STEEL PIPES SHALL CONFORM TO ASTM A53 TYPE E OR S, GRADE B.
- B. WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST AISC AND AWS CODES.
- C. ALL WELDING, WHETHER SHOP OR FIELD, SHALL BE DONE BY CERTIFIED WELDERS ONLY.
- D. ALL CONNECTIONS SHALL DEVELOP THE FULL STRENGTH OF MEMBERS CONNECTED UNLESS DETAILED OTHERWISE.
- E. PLATE INSERTS EMBEDDED IN CONCRETE SHALL HAVE THE ANCHORS WELDED TO DEVELOP THE FULL STRENGTH OF THE ANCHORS.
- F. UNLESS SHOWN OTHERWISE, ALL EMBEDDED BOLTS, ANCHORS, PLATES, INSERTS, ETC., SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
- G. UNLESS SHOWN OTHERWISE, ALL CONNECTIONS SHALL USE ASTM A325X BOLTS. ANCHOR BOLTS SHALL BE ASTM A307 AND GALVANIZED.
- H. NO HOLES OTHER THAN THOSE SPECIALLY DETAILED SHALL BE ALLOWED THROUGH STRUCTURAL STEEL MEMBERS.
- J. WELDS SHALL BE MADE WITH ASTM A233, E-70 SERIES ELECTRODES FOR STEEL TO STEEL CONNECTIONS. WELDING OF REINFORCING BARS SHALL BE DONE WITH ELECTRODES APPROVED BY THE TESTING LABORATORY.
- K. WELDING TESTS AND INSPECTIONS - SEE SPECIFICATIONS. SEE SECTION XI SPECIAL INSPECTION NOTES.
- L. DRYPACK AND GROUT UNDER BASE PLATES AND OTHER LOCATIONS SHALL BE I.C.B.O. APPROVED NON-SHRINK GROUT. MINIMUM STRENGTH SAME AS SUPPORTING CONCRETE.

VIII. DESIGN DATA

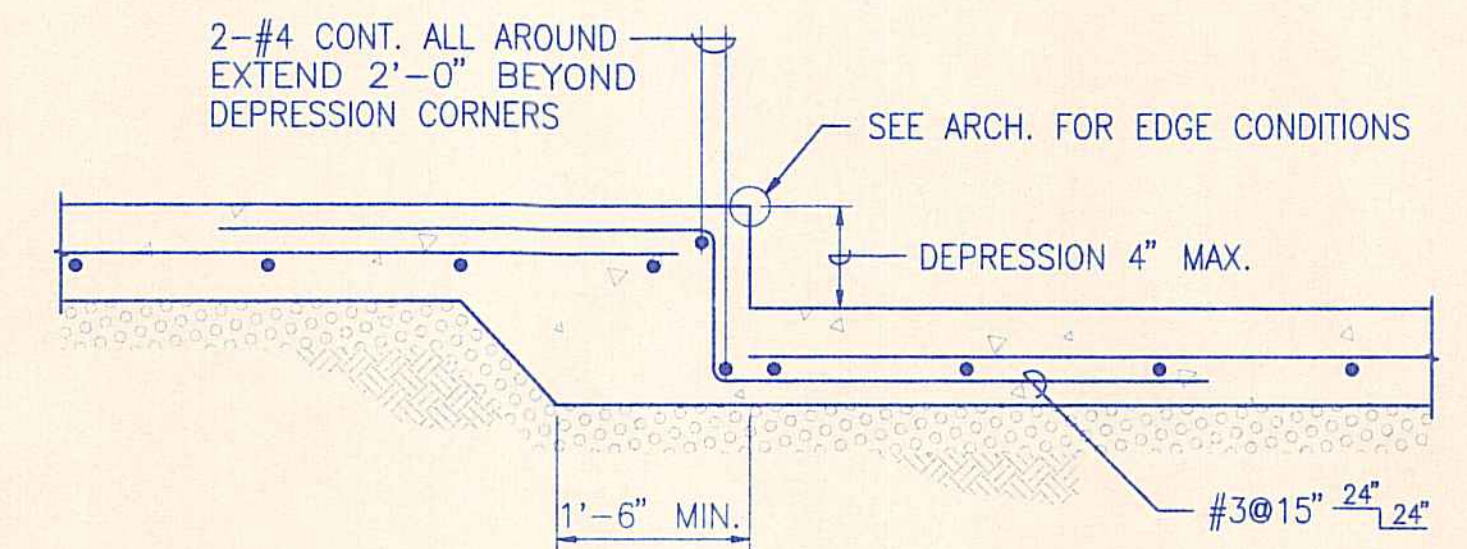
- A. MINIMUM LIVE LOADS:
 - 1. MEZZANINE = 75 PSF
- B. SEE PRE-ENGINEERED BUILDING NOTES FOR BUILDING LOADING.

IX. PRE-ENGINEERED BUILDING NOTES

- A. BASIS OF DESIGN:
 - 1. UNIFORM BUILDING CODE 1991
- B. DESIGN CRITERIA: (SEE SHEET S-4)
 - 1. ROOF LIVE LOAD = 20 PSF
 - 2. WIND LOAD 80 MPH WIND, EXPOSURE C
 - 3. SEISMIC ZONE 3
- C. DESIGN LOADING: (SEE SHEET S-4)
- D. MATERIAL:
 - 1. HOT ROLLED SECTIONS - ASTM 36
 - 2. COLD ROLLED SECTIONS - ASTM A 607, Fy = 50 KSI
- E. SUBMIT CALCULATIONS CERTIFIED BY A STRUCTURAL ENGINEER, REGISTERED IN THE STATE OF HAWAII, ALONG WITH COMPLETE SHOP DRAWINGS. DESIGN SHALL CONFORM TO AISC, AISI AND UBC REQUIREMENTS.
- F. ITEMS TO BE INCLUDED IN THE BUILDING PACKAGE:
 - 1. RIGID FRAMES, ANCHOR BOLTS, WALL AND ROOF FRAMING INCLUDING EAVE STRUTS, GIRTS, PURLINS AND METAL PANELS, LONGITUDINAL X-BRACING, END WALL FRAMING, AND ALL ARCHITECTURAL ACCESSORIES NOTED IN THE DRAWINGS.



5 TYPICAL STRUCTURAL SLAB ON GRADE DETAIL NOT TO SCALE



6 DEPRESSED SLAB NOT TO SCALE

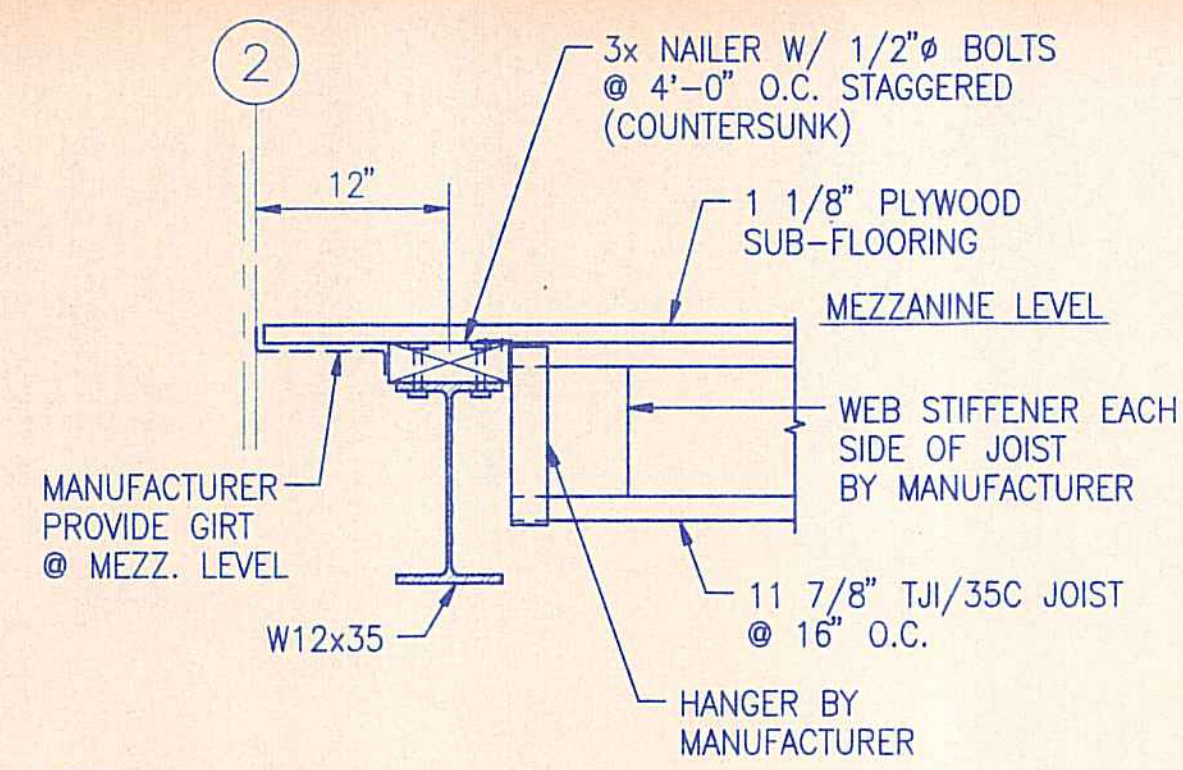
POUR 2	POUR 1	POUR 2
POUR 1	POUR 2	POUR 1

- NOTES:
- 1. SLABS ON GRADE SHALL BE POURED IN ALTERNATE CHECKERBOARD FASHION.
 - 2. UNLESS NOTED OTHERWISE NO PANEL SHALL BE POURED IN EXCESS OF 400 SQ. FT. IN AREA OR 20 FEET IN LENGTH.

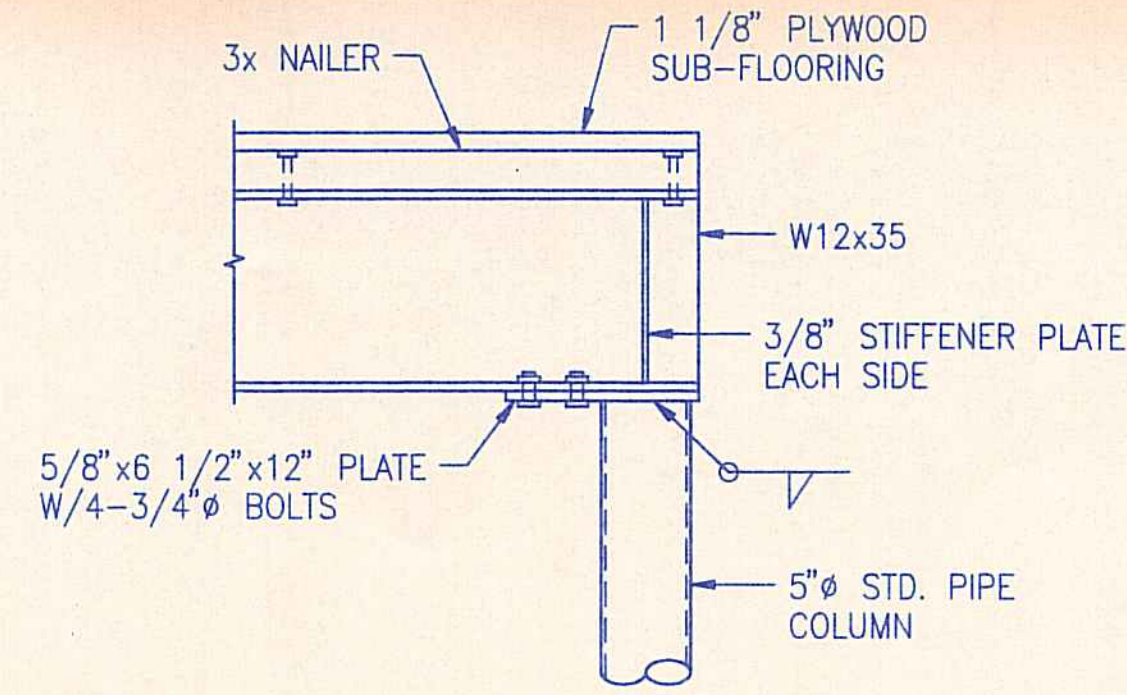
7 POURING SEQUENCE FOR CONCRETE STRUCTURAL SLAB ON GRADE NOT TO SCALE

KAMU-S1.DWG
PLOT: 12=12

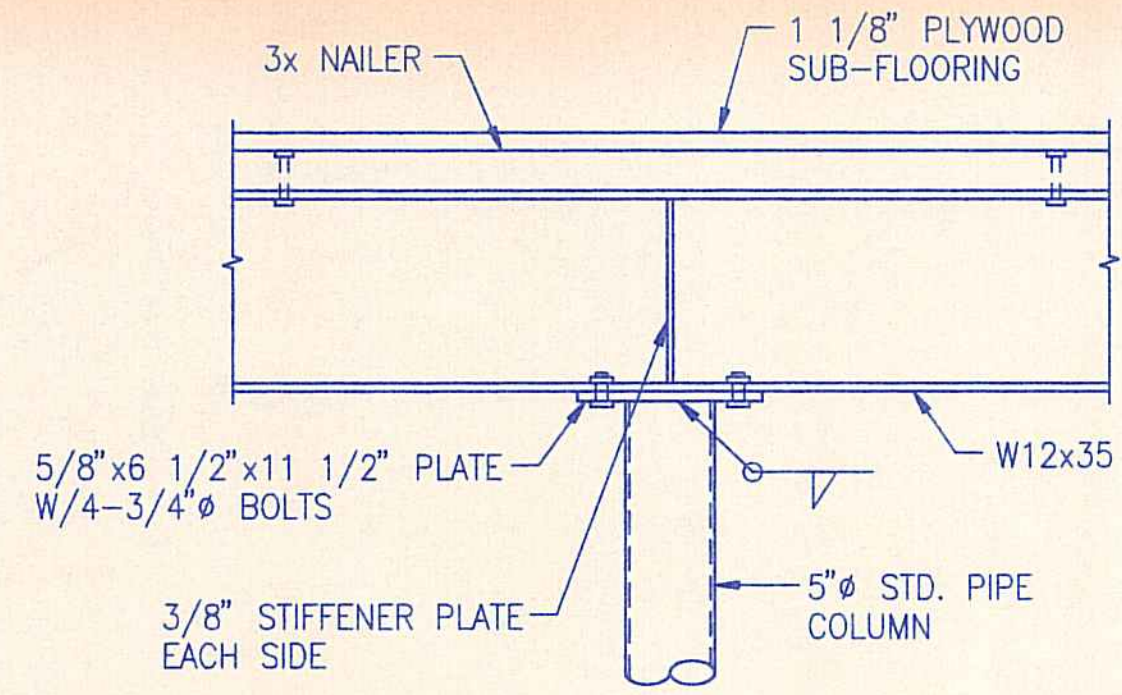
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STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES DIVISION OF WATER AND LAND DEVELOPMENT STATE TREE NURSERY OPERATIONS BUILDING LALAMILO, SOUTH KOHALA, HAWAII					
GENERAL NOTES & TYPICAL DETAILS					
FINAL SUBMITTAL					
DESIGNED: MS			SUBMITTED: <i>[Signature]</i>		
DRAWN: RL			DATE: MAY 12, 1994		
CHECKED: YK			SCALE: AS SHOWN		
APPROVED: <i>[Signature]</i>			DRAWING NO. S-1		
MANAGER-CHIEF ENGINEER			DATE: 5-11-94		



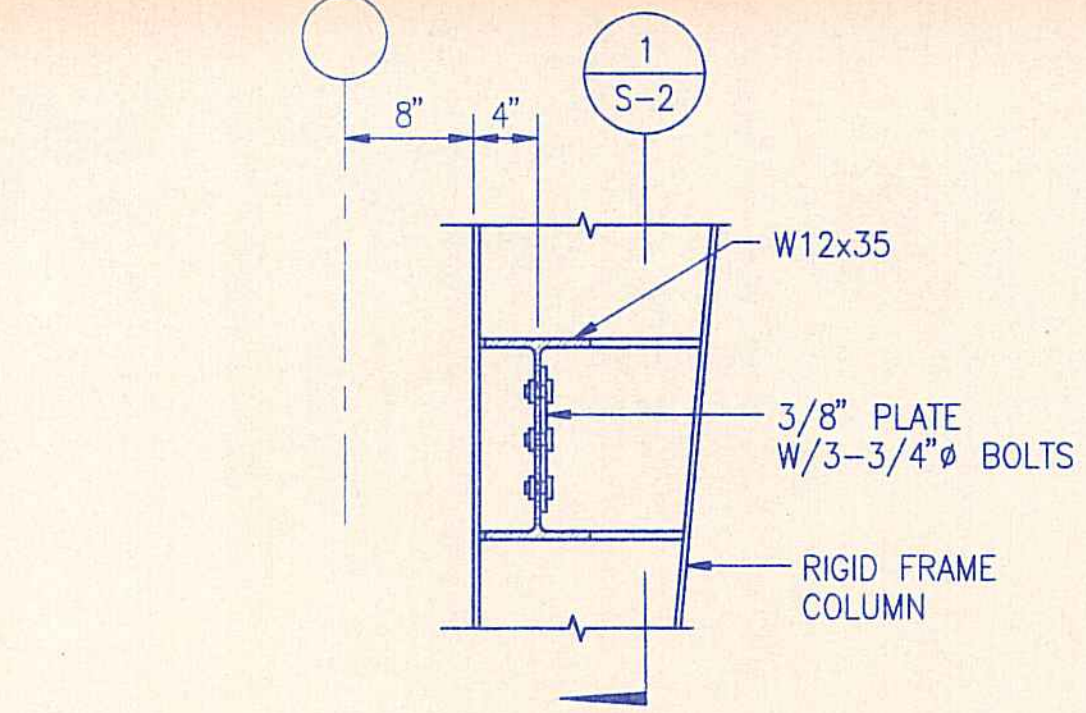
17 TYPICAL SECTION
1" = 1'-0"



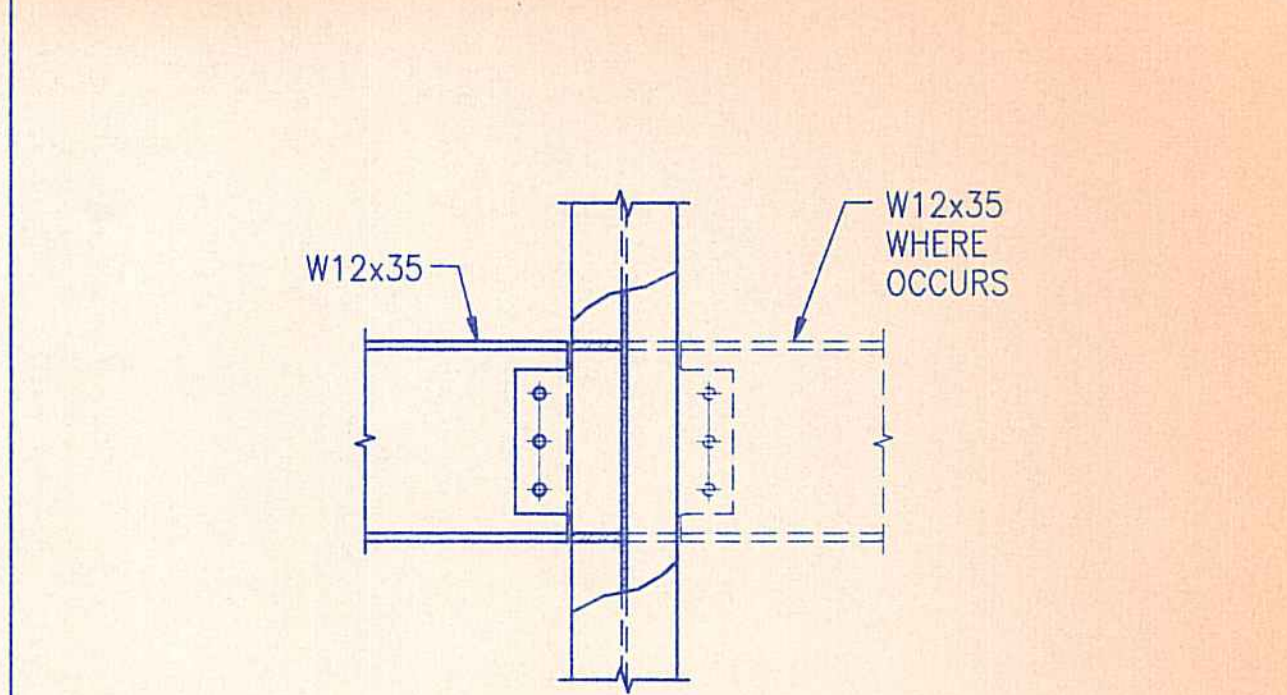
13 TYPICAL CONNECTION DETAIL
1" = 1'-0"



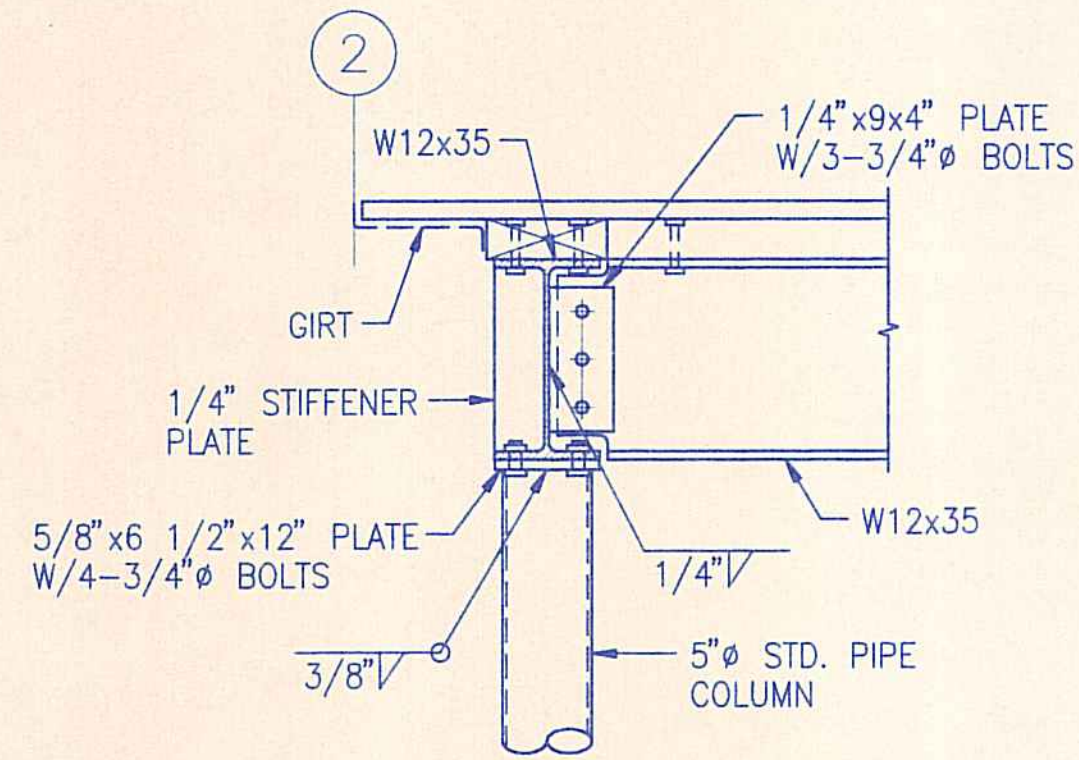
9 TYPICAL CONNECTION DETAIL
1" = 1'-0"



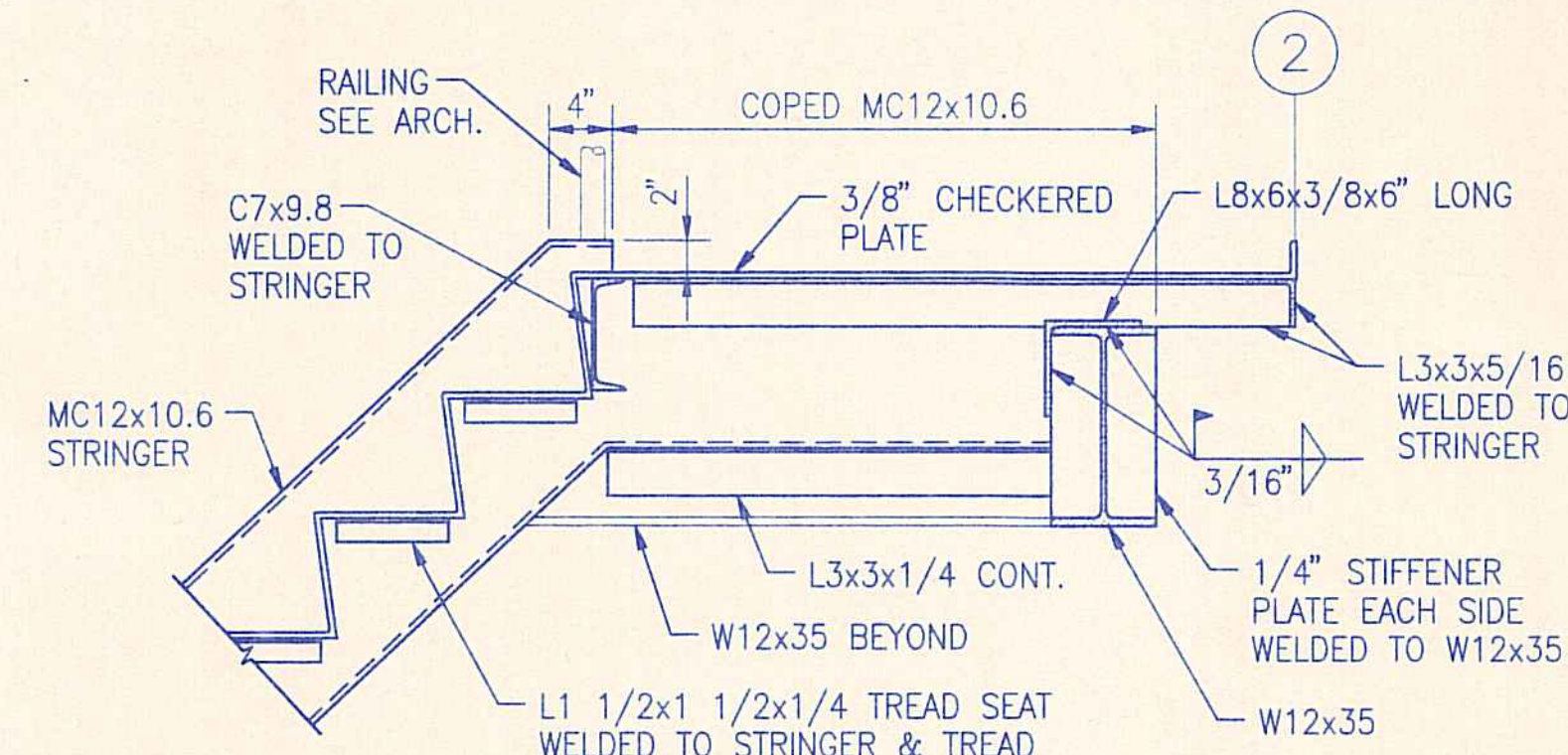
5 TYPICAL CONNECTION DETAIL
1" = 1'-0"



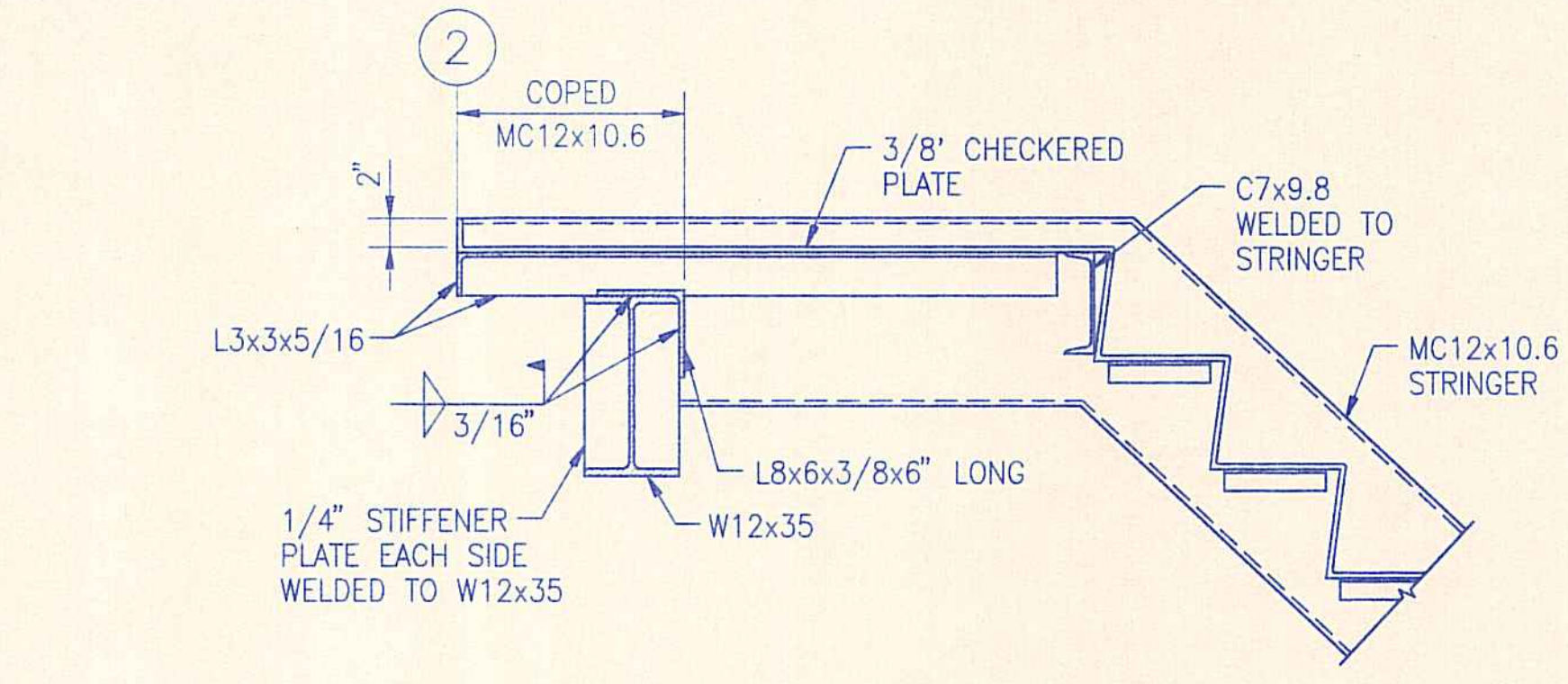
1 TYPICAL CONNECTION DETAIL
1" = 1'-0"



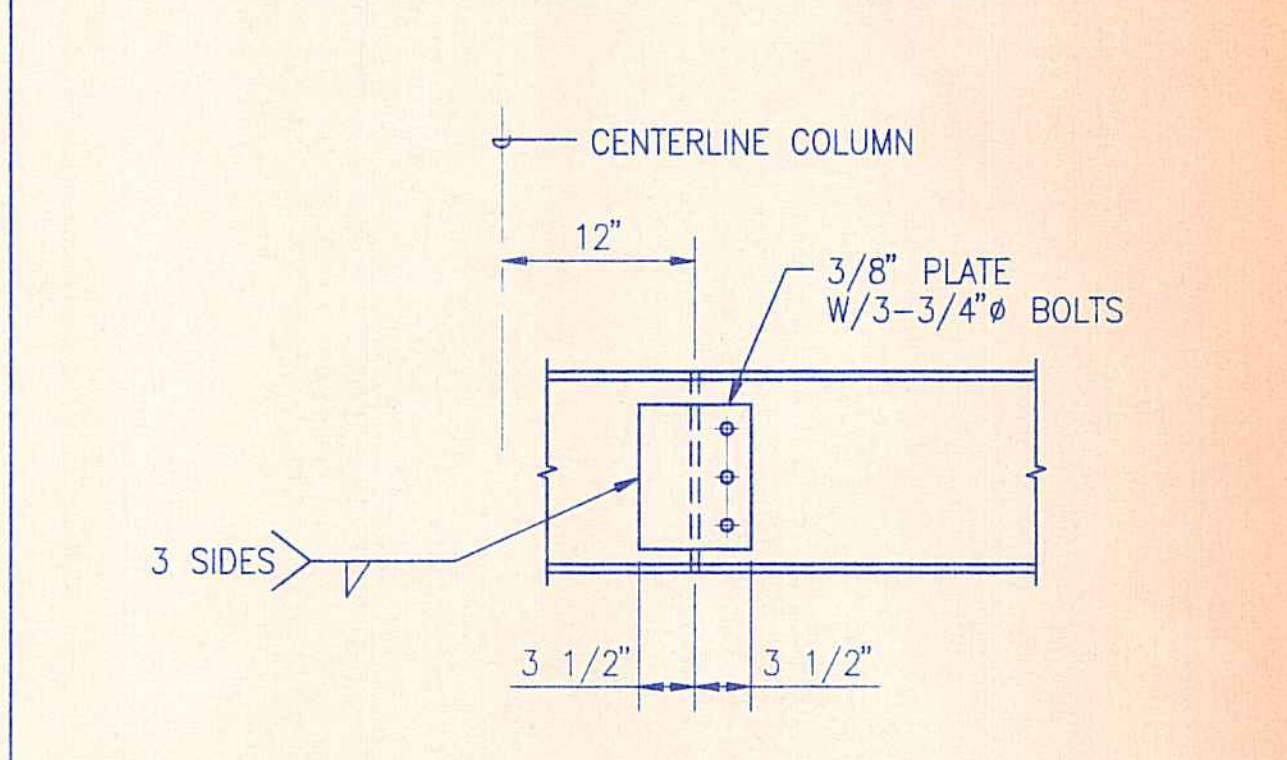
18 TYPICAL CONNECTION DETAIL
1" = 1'-0"



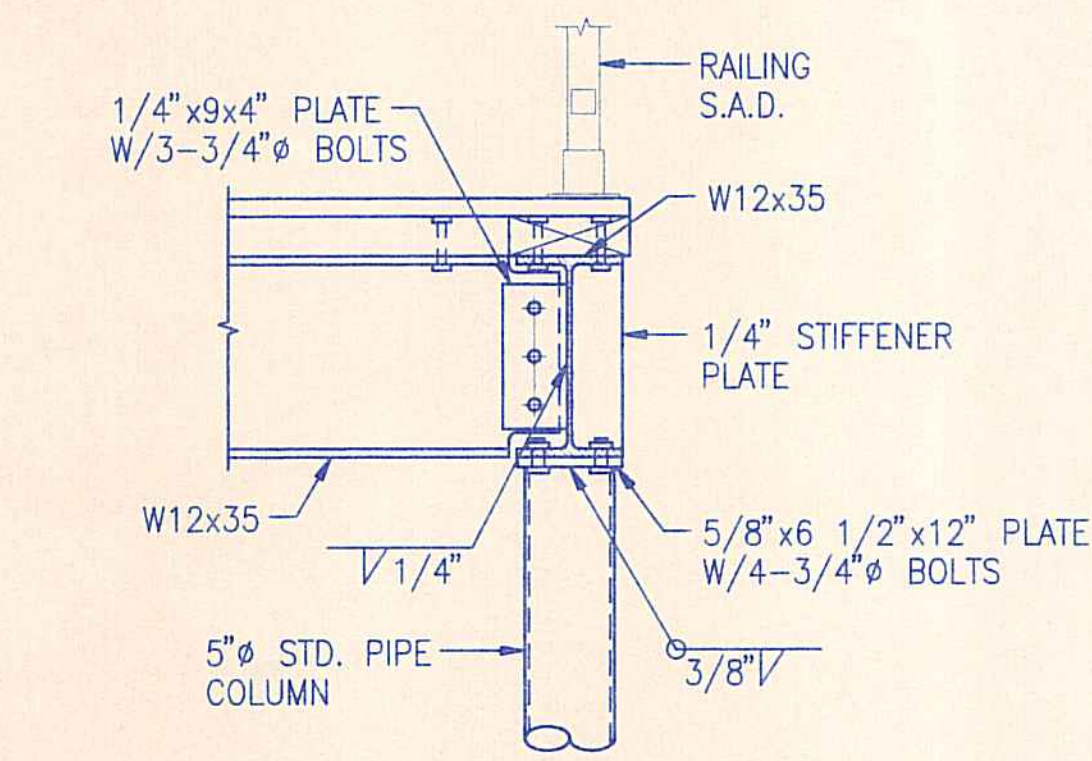
14 TYPICAL STAIR DETAIL
1" = 1'-0"



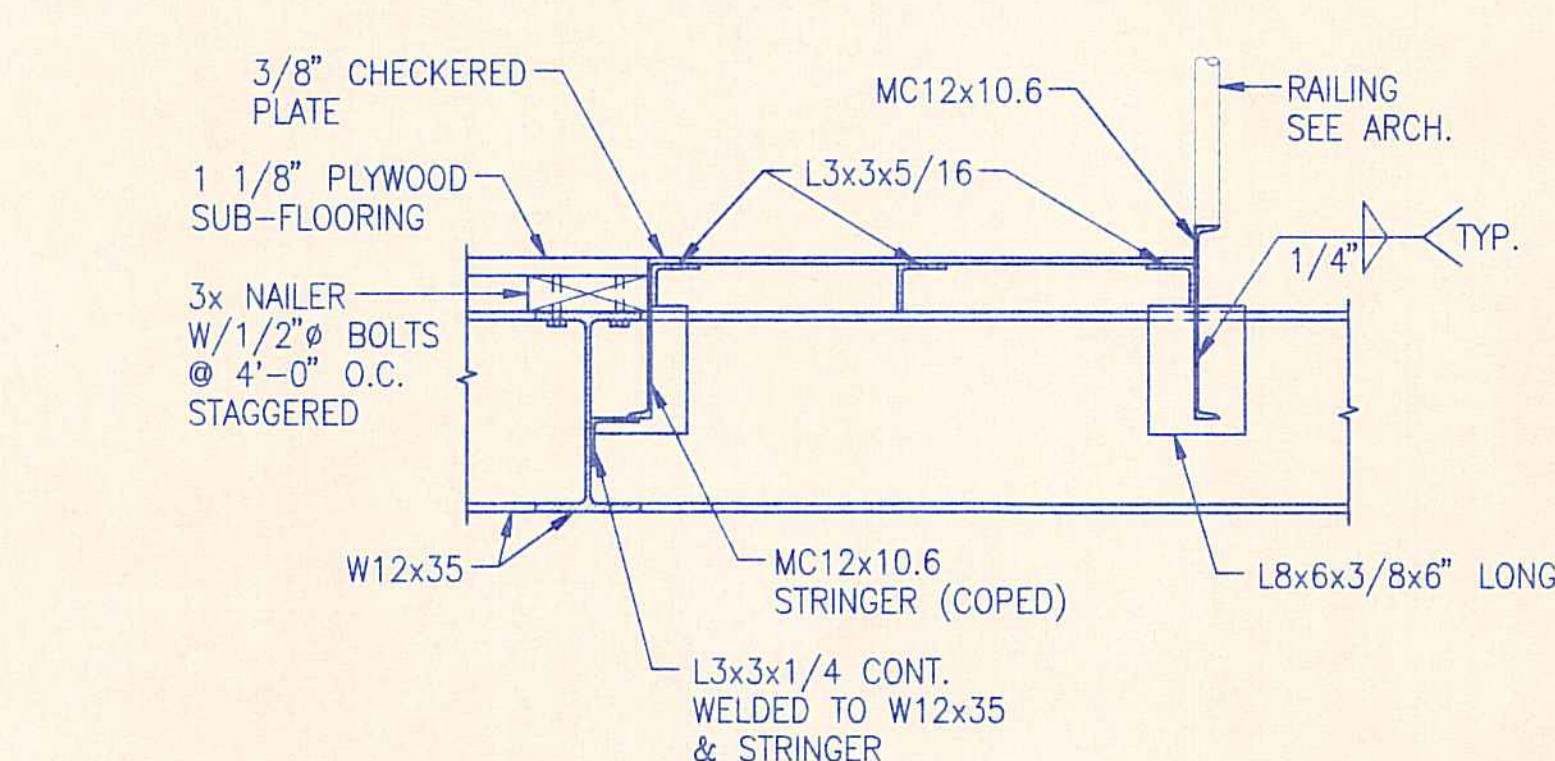
10 TYPICAL STAIR DETAIL
1" = 1'-0"



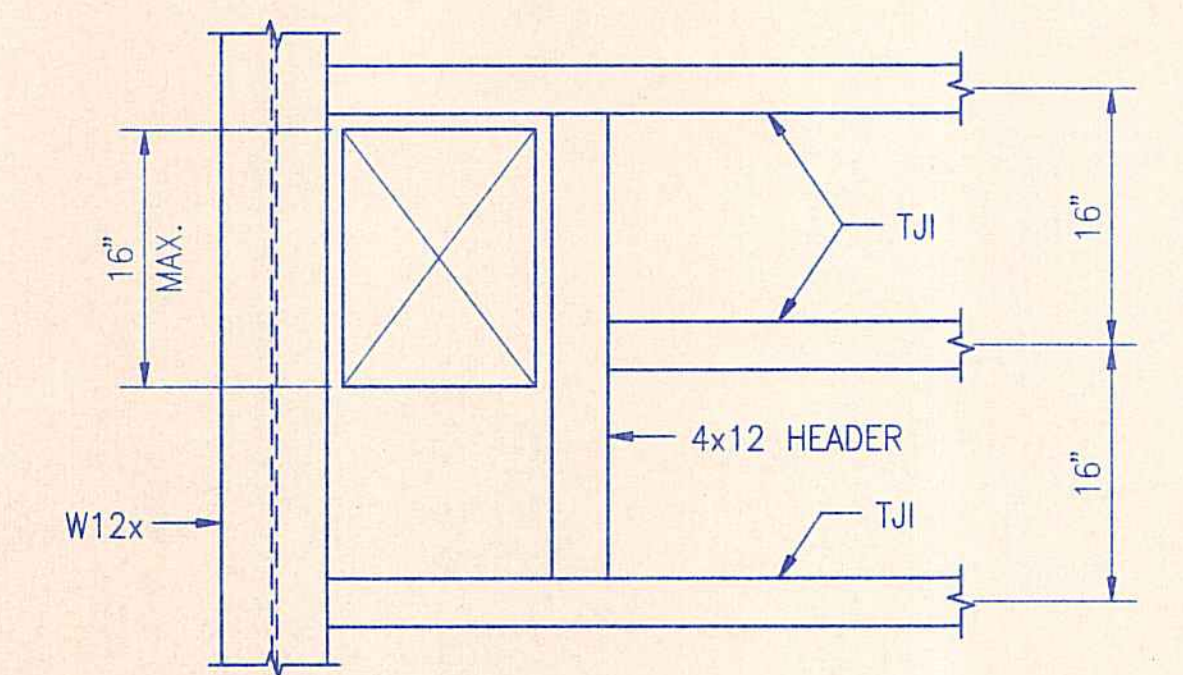
2 TYPICAL SPLICE DETAIL
1" = 1'-0"



19 TYPICAL CONNECTION DETAIL
1" = 1'-0"



15 TYPICAL STAIR DETAIL
1" = 1'-0"



20 MECHANICAL DUCT OPENING AT MEZZANINE DETAIL
1" = 1'-0"

REVISION NO.	SYMBOL	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES DIVISION OF WATER AND LAND DEVELOPMENT STATE TREE NURSERY OPERATIONS BUILDING LALAMILO, SOUTH KOHALA, HAWAII TYPICAL DETAILS FINAL SUBMITTAL					
DESIGNED: MS		SUBMITTED: <i>ms</i>			
DRAWN: RL		DATE: MAY 12, 1994			
CHECKED: YK		SCALE: AS SHOWN			
APPROVED: <i>[Signature]</i>		DATE: 5-19-94		DRAWING NO. S-2	
SIGNATURE		MANAGER-CHIEF ENGINEER			