

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	67	116

General:

- A. Workmanship and materials shall conform to the building code of the City and County of Honolulu (amended UBC, 1994 edition). However, where reference is made to performance conforming to other standards the more stringent shall apply.

B. The Contractor shall compare all the contract documents with each other and report in writing to the engineer all inconsistencies and omissions.

C. The Contractor shall take field measurements and verify field conditions and shall compare such field measurements and conditions with the drawings before commencing work. Report in writing to the Engineer all inconsistencies and omissions.

D. The Contractor shall be responsible for methods of construction, workmanship and job safety. The Contractor shall provide temporary shoring and bracing as required for stability of structural members and systems.

E. Construction loading shall not exceed design live load unless special shoring is provided. Allowable loads shall be reduced in areas where the structure has not attained full design strength.

F. The Contractor shall be responsible for protection of the adjacent properties, structures, streets and utilities during the construction period.

G. Details noted as typical on the Structural drawings shall apply in all conditions unless specifically shown or noted.
- D. Footings shall be founded on the medium stiff, surface silty clay with sand and gravel. The bottom of footing excavations shall be thoroughly tamped and cleaned of loose material prior to placement of reinforcing steel and concrete.

E. Excavations for footings shall be observed by a qualified Geotechnical Engineer prior to placement of concrete and reinforcing.

F. Footings located on or near the top of slopes shall be embedded such that a minimum horizontal distance of 5 feet is maintained between the bottom edge of the footing and the slope face.

G. Slabs-on-grade shall be underlain by at least 12 inches of imported granular fill, placed in 8 inch loose lifts compacted to 95% compaction as determined by ASTM D 1557. The imported fill shall consist of well-graded, non-expansive granular material. Before placing the fill, the existing ground shall be scarified to a depth of 6 inches, moistened to slightly above optimum moisture content, and compacted to a minimum 90% compaction as determined by ASTM D 1557.

H. Contractor shall brace or protect all walls from lateral loads until supporting roofs and/or floors are completely in place and have attained their full design strength.

Concrete:

- A. Concrete construction shall conform to American Concrete Institute ACI 318R-95.

B. Concrete shall be hard rock concrete and shall have the following minimum 28 day compressive strengths:

a. Footings, grade beams, tie beams

3,000 psi

b. Slabs on grade

4,500 psi

c. Concrete topping over metal deck

3,000 psi

d. All other concrete

3,000 psi

C. Concrete delivery tickets shall record all free water in the mix: at batching by plant, for consistency by driver, and any additional request by Contractor if permitted by the mix design.

D. All inserts, anchor bolts, plates, and other items to be cast in the concrete shall be hot-dipped galvanized unless otherwise noted.

E. Reinforcing bars, anchor bolts, inserts, and other items to be cast in the concrete shall be secured in position prior to placement of concrete.

F. Conduits, pipes, and sleeves passing through a slab or footing and not conforming to typical details shall be located and submitted to the Engineer for approval.

G. Conduits, pipes, and sleeves embedded within a slab or wall (other than those merely passing through) shall be:

a. No larger in outside dimensions than one third the overall slab or wall thickness in which they are embedded.

b. Placed in the middle one third of slab or wall thickness

c. Spaced no closer than three diameters or widths on center.

H. Conduits, pipes, and sleeves shall not be placed through or embedded in a beam unless specifically detailed.

I. The Contractor shall locate construction joints so as not to impair the strength of the structure and to minimize shrinkage stresses. Submit location of construction joints to the Engineer for approval, unless otherwise noted.

- J. See Architectural drawings for chamfers, edge radii, drips, reglets, finishes and other non-structural items not shown or specified on the structural drawings.

K. Non-shrink grout shall be a premixed non-metallic formula, capable of developing a minimum compressive strength of 3,000 psi in 1 day and 5,000 psi in 28 days.

Reinforcing Steel:

- A. Reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60.

B. Welded wire fabric shall conform to ASTM A185, galvanized.

C. Clear concrete cover for reinforcing bars shall be as follows, unless otherwise noted:

a. Footings, grade beams, etc. cast against earth

3"

b. Footings, grade beams, etc. formed and exposed to earth or weather

2"

c. Walls

1. Faces exposed to earth or weather

#5 bars and smaller 1½"

#6 bars and larger 2"

2. Interior faces 1"

d. Beams and columns

Primary reinforcement, stirrups, ties and spirals 1½"

e. Structural slabs

1. Faces exposed to earth or weather 1½"

2. Interior faces 1"

D. Clear distance between the surface of a bar and any surface of a masonry unit shall be not less than 1/2 inch, unless otherwise noted.

E. Reinforcing steel shall be spliced where indicated on plans. Provide lap splice length per typical details and schedule, unless otherwise noted.

F. Welded wire fabric shall be lapped 8 inches or one full mesh plus 2 inches, whichever is greater.

G. Mechanical splice connectors shall develop in tension 125 percent of the specified minimum yield strength of reinforcing bars.

H. Bar bends and hooks shall be "standard hooks" in accordance with ACI 318.

Design Criteria:

- A. Seismic Zone 2A

B. Basic wind speed and exposure 80 mph, Exposure C

C. Design live loads

a. Roof

20 psf

b. Mezzanine

125 psf

c. Offices

50 psf

d. Stairs and Corridors

100 psf

e. Mechanical rooms

100 psf

f. Light storage

125 psf

D. Allowable foundation bearing capacities

a. Dead Load + Live Load

2,000 psf

b. Dead Load + Live Load + Lateral Load

2,700 psf

E. Retaining walls

a. Active earth pressure (unrestrained)

40 pcf

b. Active earth pressure (restrained)

55 pcf

c. Passive earth pressure

300 pcf

d. Coefficient of friction

0.4

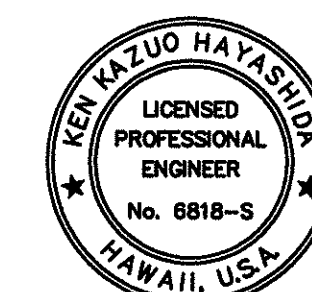
Foundation:

- A. Foundation design is based on the foundation investigation by Ernest K. Hirata & Associates, inc., dated April 23, 1999.

B. Contractor shall provide for de-watering of excavation from either surface water, ground water or seepage.

C. Contractor shall provide for design and installation of all cribbing, sheeting, and shoring necessary to preserve excavations and earth banks.

ORIGINAL PLAN	DATE
NOTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	



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S1.0

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION GENERAL NOTES	
OAHU DISTRICT BASEYARD FACILITIES Project No. HWY-0-05-98	
SCALE: AS NOTED	DATE: APRIL 2000
SHEET No. S1.0 OF 116 SHEETS	

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Concrete Masonry Units (CMU):

- A. Concrete masonry units shall be Type II, normal weight hollow load-bearing units conforming to ASTM C-90 and have a minimum compressive strength of 1,500 psi.
- B. Mortar shall be Type "M" conforming to ASTM C270 and have a minimum compressive strength of 2,500 psi at 28 days.
- C. Grout shall conform to ASTM C476 and have a minimum compressive strength of 2,500 psi at 28 days.
- D. All cells and bond courses with reinforcement and inserts shall be solid grouted. Cleanouts shall be provided for all grout pours over 5'-4" in height.
- E. When grouting is stopped for one hour or longer, horizontal construction joints shall be formed by stopping the grout pour 1 1/2 inches below the top of the uppermost unit.
- F. The Contractor shall locate construction joints so as not to impair the strength of the structure and to minimize shrinkage stresses. Submit location of construction joints to the Engineer for approval, unless otherwise noted. Maximum spacing between construction joints shall be 25 feet.
- G. Walls shall be constructed in conventional running bond, unless otherwise noted.
- H. See Architectural drawings for laying pattern, height of units, surface texture, and joint type.
- I. Open-ended blocks may be substituted for standard concrete masonry units.

Structural Steel:

- A. Fabrication and erection of structural steel shall conform to the American Institute of Steel Construction Manual of Steel Construction, Ninth Edition.
- B. Structural steel shall conform to ASTM A36 unless otherwise noted.
- C. Steel wide flange sections shall conform to ASTM A572, Grade 50 per AISC Technical Bulletin #3.
- D. Steel pipes shall conform to ASTM A53, Grade B.
- E. Steel tubes shall conform to ASTM 500, Grade B.
- F. Bolts shall conform to ASTM A307, Grade A unless otherwise noted.
- G. High-strength bolts shall conform to ASTM A325, Type N. Use load indicator washers.
- H. Welds and welding procedures shall conform to the structural welding code AWS D1.1 of the American Welding Society.
- I. Welding shall be performed by welders prequalified for welding procedures to be used.
- J. Welding electrodes shall be E70XX.
- K. All steel shall be prime painted in the shop.

Metal Deck:

- A. Metal deck and accessories shall be of the profile and gage shown on the drawings.
- B. Accessories shall be the same gage as the adjoining decking.
- C. Metal deck and accessories shall be formed from steel sheets conforming to ASTM 653 SQ Grade 33; minimum yield strength 38 ksi, with G60 galvanized coating.
- D. Metal deck and accessories shall be three span continuous where possible. Do not locate single spans at edges or corners.
- E. Minimum bearing of decking on supports shall be 2 inches.
- F. Welding of metal deck shall be performed by certified light gage steel welders.

Cold-Formed Steel Purlins & Girts:

- A. Fabrication and erection of gage metal structures shall be in accordance with the American Iron and Steel Institute Specifications, Latest Edition.
- B. Cold-formed steel purlins, girts and accessories shall be of the profile and gage shown on the drawings.
- C. Cold formed steel purlins shall have the following minimum section properties:
 - a. Z-Purlin & Girts _____ $I_{xx} = 11.00 \text{ in}^4$ $S_{xx} = 2.76 \text{ in}^3$
 - b. Eave Strut _____ $I_{xx} = 12.47 \text{ in}^4$ $S_{xx} = 2.86 \text{ in}^3$
- D. Cold-formed steel purlins shall comply with the requirements of ASTM A 570. Minimum yield strength of steel shall be 55,000 psi.
- E. Contractor shall submit shop drawings to the Engineer for approval prior to fabrication. Shop drawings shall indicate layout, framing and supports with dimensions, sections, type and location of attachments and details of accessories.

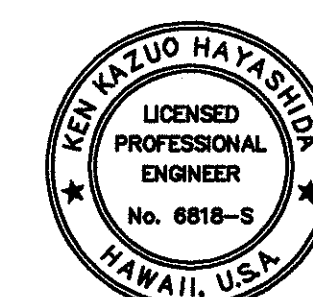
Pre-Engineered Metal Buildings:

- A. Design of the pre-engineered metal building shall conform to the 1994 Uniform Building Code as adopted and/or amended by the City and County of Honolulu or the Metal Building Manufacturer's Association (MBMA) "Design Practices Manual", whichever is more restrictive.
- B. Shop drawings, structural design calculations and a letter of certification shall be submitted to the Engineer for review and approval a minimum of four (4) weeks prior to fabrication. These drawings, calculations and letter shall be stamped and signed by a Structural Engineer licensed to practice in the State of Hawaii. Two Sets of plans and structural calculations stamped and signed by a Structural Engineer licensed to practice in the State of Hawaii shall be submitted to the City and County of Honolulu, Department of Planning and Permitting – Building Division for approval installation.
- C. The letter of certification shall include a brief description of the metal building dimensions, roof slopes, and frame types, all codes and specifications used for the design of the metal building system, all load assumptions which must meet or exceed the criteria specified in the contract documents, and a statement that the metal building system was designed and supplied in accordance with the contract documents.
- D. The bases of the frames for the pre-engineered metal building shall be assumed to be pinned.

- E. Basic minimum design loads:
- a. Dead loads include structural framing, ceiling framing, and mechanical, electrical, and plumbing loads.
 - b. Mezzanine live load _____ 125 psf
 - c. Roof live load _____ 20 psf
 - d. Wind loads
 - Basic wind speed _____ 80 mph
 - Exposure _____ C
 - Building "A" type _____ Partially enclosed
 - Building "B" type _____ Unenclosed
 - Importance factor _____ 1UBC Method 1 (Normal Force Method)
 - e. Seismic loads
 - Seismic zone _____ 2A
 - Importance factor _____ 1
 - R_w _____ 6
 - f. Building drift shall be limited to $H/500$.
 - g. Deflection of members shall be limited to $L/360$.
 - h. Load combinations
 - 1. Dead Load + Roof Live Load
 - 2. Dead Load + Wind Load
 - 3. Dead Load + Seismic Load
- E. Building "A"
- a. Rigid frame Rf-1 shall be designed to be braced by the Mezzanine at both columns.
 - b. Rigid frame Rf-2, Rf-3, and Rf-4 shall be designed to be braced by the Mezzanine at Line A.

7-20-00	Bldg Department Comments
6-07-00	Revised Title Block
DATE	REVISION

S1.1



[Signature]
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GENERAL NOTES

OAHU DISTRICT WAREHOUSE
BUILDING

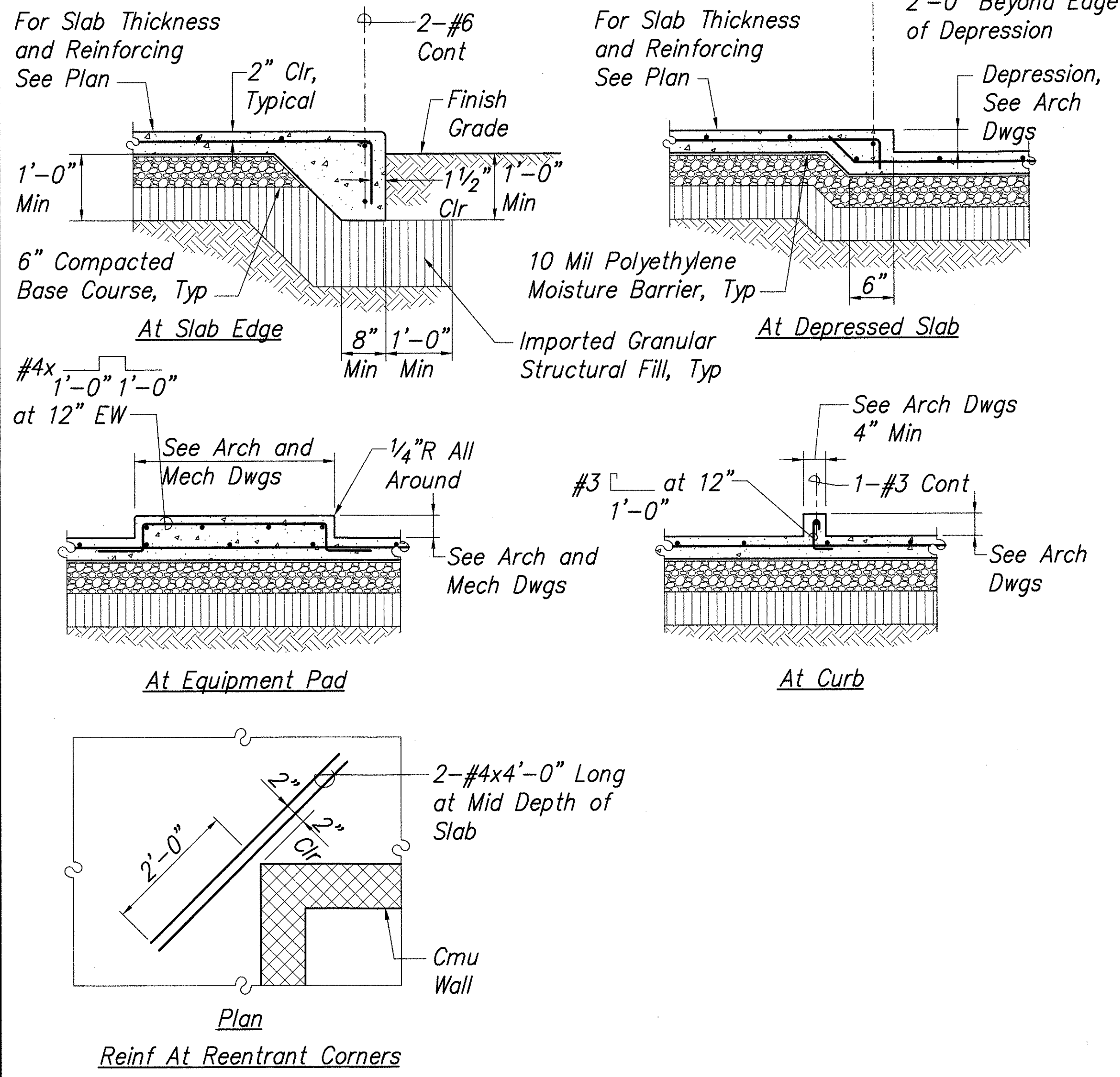
Project No. HWY-0-05-98

SCALE: AS NOTED DATE: APRIL 2000

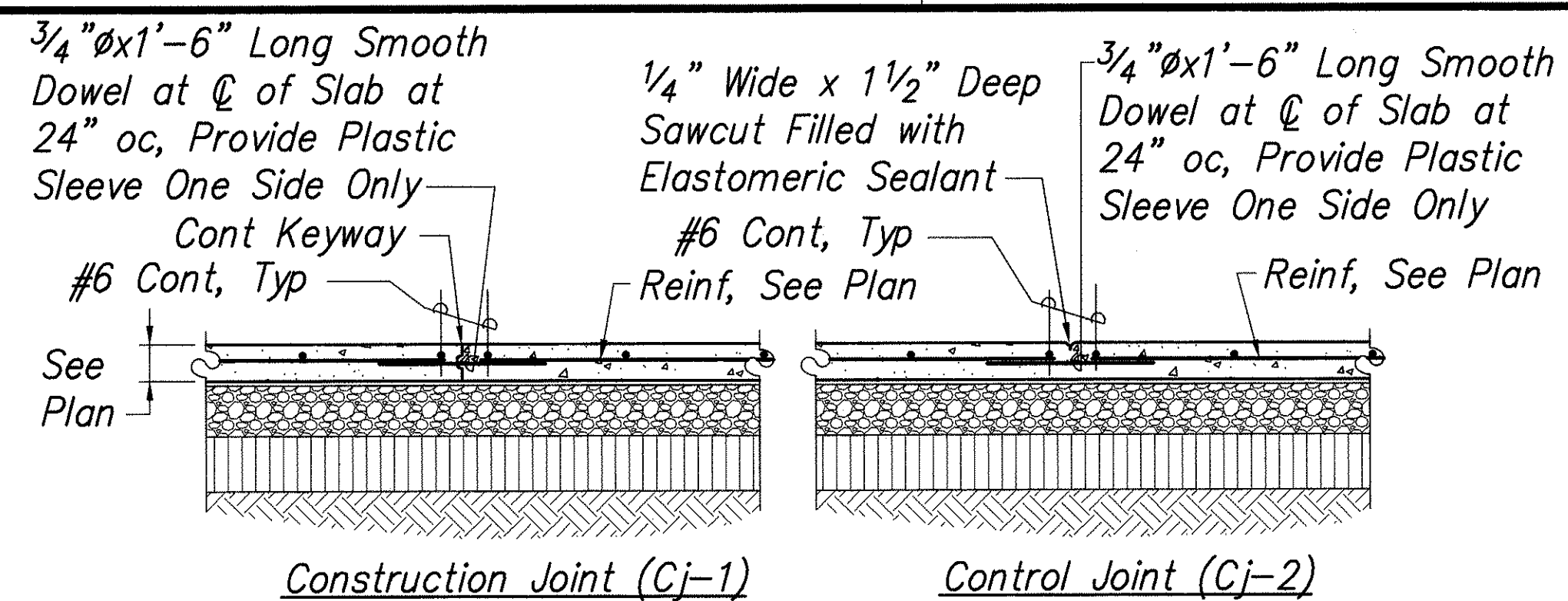
SHEET No. S1.1 OF 116 SHEETS

C.O. 68

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
No. _____	CHECKED BY _____

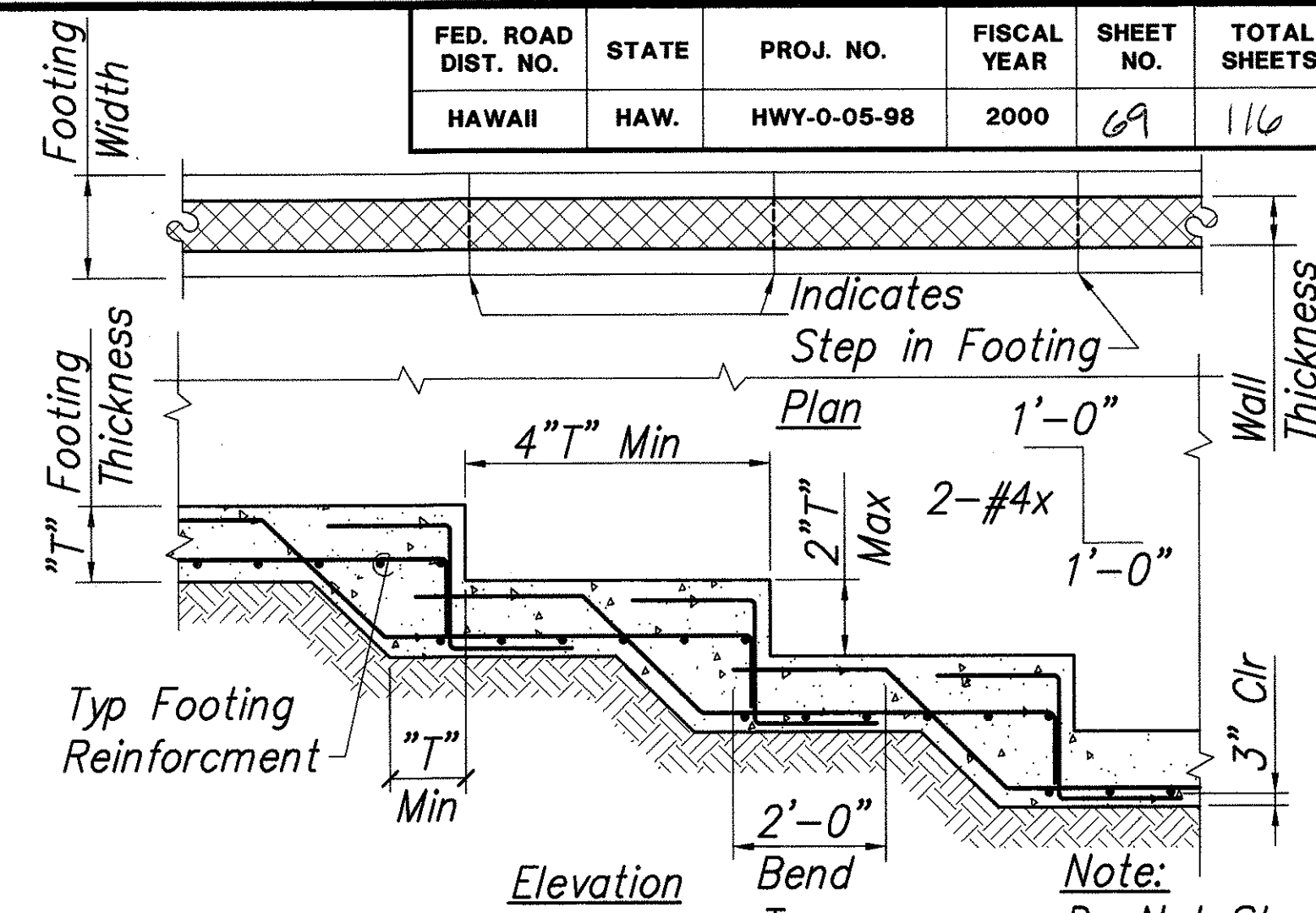


TYPICAL SLAB-ON-GRADE DETAILS 1
S1.2 | S1.2
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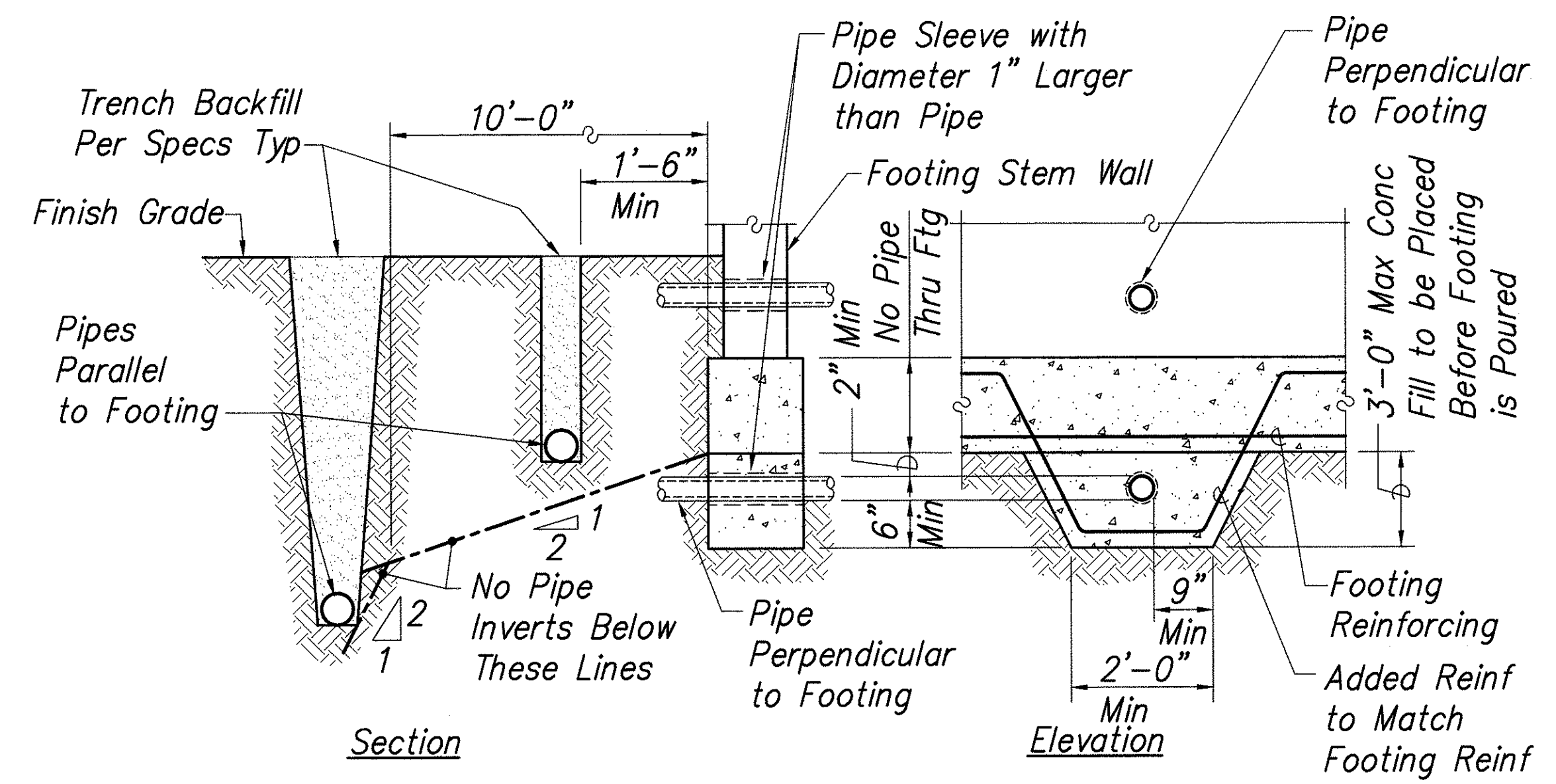


Note:
Saw Cutting shall occur as soon as concrete surface is firm enough to not be torn by cutting blade and before shrinkage cracking occurs, but no later than 12 hours after concrete has been poured.

TYPICAL SLAB JOINT DETAILS 2
S1.2 | S1.2
Not To Scale



STEP FOOTING DETAILS 3
S1.2 | S1.2
Not To Scale

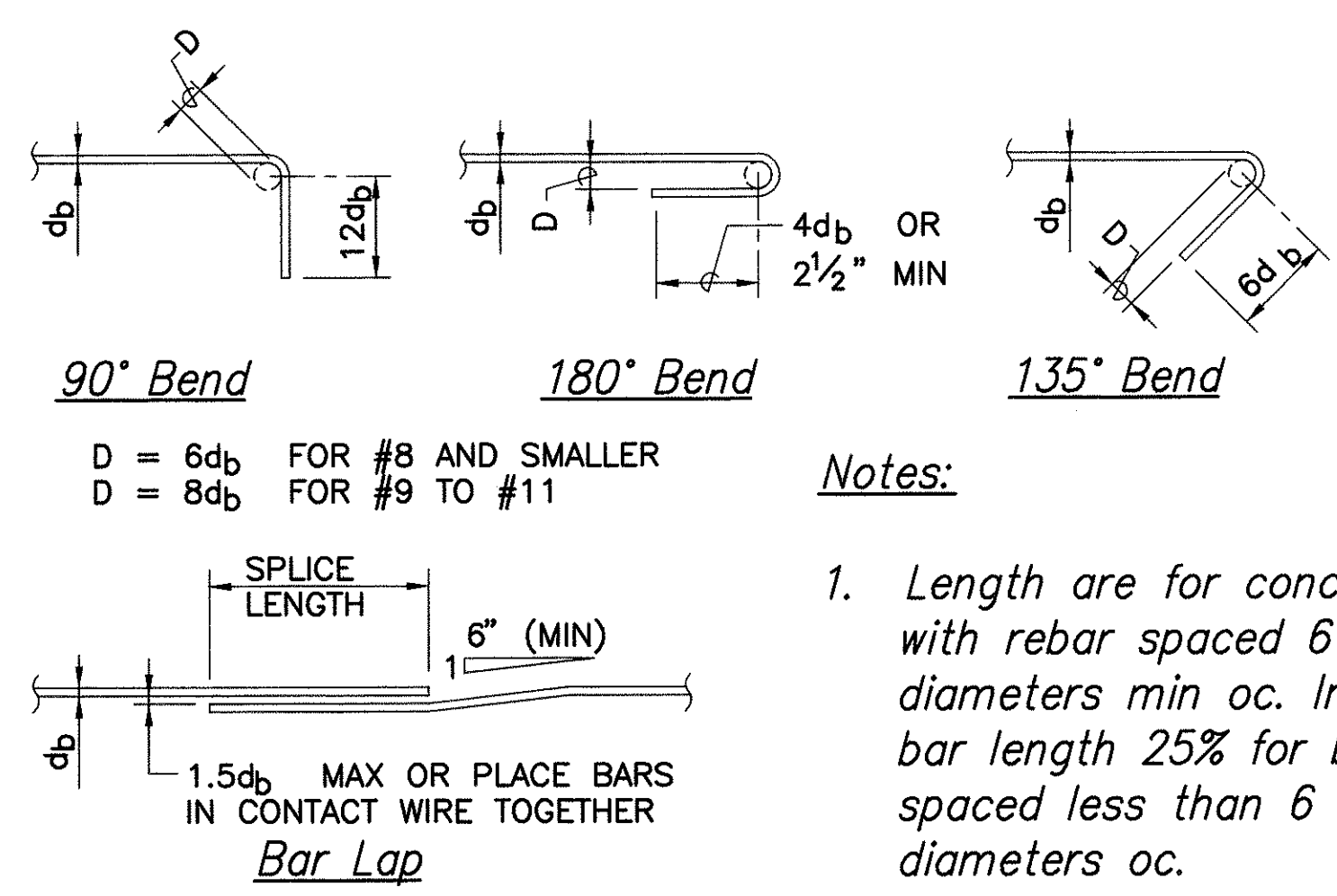


- Notes:**
- For pipe perpendicular to footing more than 3'-0" below bottom of footing, trench may be backfilled with compacted fill, See specifications.
 - Depth of footing may be affected by location of pipes. General Contractor shall determine exact depth and location of pipes prior to excavation for footings.

TYPICAL PIPE AT FOOTING DETAIL 4
S1.2 | S1.2
Not To Scale

MINIMUM SPLICE & EMBEDMENT LENGTHS					
CONCRETE STRENGTH = 3,000 PSI					
BAR SIZE	LAP SPLICE		EMBEDMENT		
	BOT BAR OR WALL BAR	TOP BAR	STRAIGHT BOT BAR OR WALL BAR	TOP BAR	W/ STD HOOK
#3	24"	28"	17"	22"	8"
#4	24"	28"	17"	22"	8"
#5	28"	36"	21"	27"	10"
#6	32"	42"	25"	32"	12"
#7	38"	50"	29"	38"	14"
#8	44"	56"	33"	43"	16"
#9	48"	64"	37"	48"	18"
#10	58"	76"	45"	58"	20"
#11	72"	93"	55"	71"	22"

MINIMUM SPLICE & EMBEDMENT LENGTHS					
CONCRETE STRENGTH = 2,500 PSI					
BAR SIZE	LAP SPLICE		EMBEDMENT		
	BOT BAR OR WALL BAR	TOP BAR	STRAIGHT BOT BAR OR WALL BAR	TOP BAR	W/ STD HOOK
#3	24"	32"	18"	24"	9"
#4	32"	42"	24"	32"	12"
#5	39"	51"	30"	39"	15"
#6	47"	62"	36"	47"	18"
#7	55"	72"	42"	55"	21"
#8	63"	82"	48"	63"	24"
#9	72"	94"	55"	71"	28"
#10	80"	104"	61"	80"	31"
#11	89"	115"	68"	88"	34"

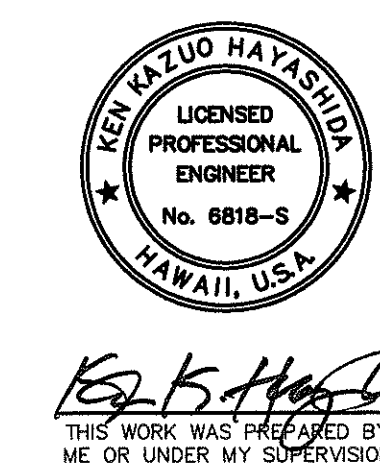


D = 6db FOR #8 AND SMALLER
D = 8db FOR #9 TO #11

- Notes:**
- Length are for concrete with rebar spaced 6 bar diameters min oc. Increase bar length 25% for bars spaced less than 6 bar diameters oc.
 - "Top Bars" are horizontal bars with 12" or more of concrete cast below.

TYPICAL REBAR SPLICE AND EMBEDMENT LENGTH SCHEDULE 5
S1.2 | S1.2
Not To Scale

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NOTE BOOK: _____
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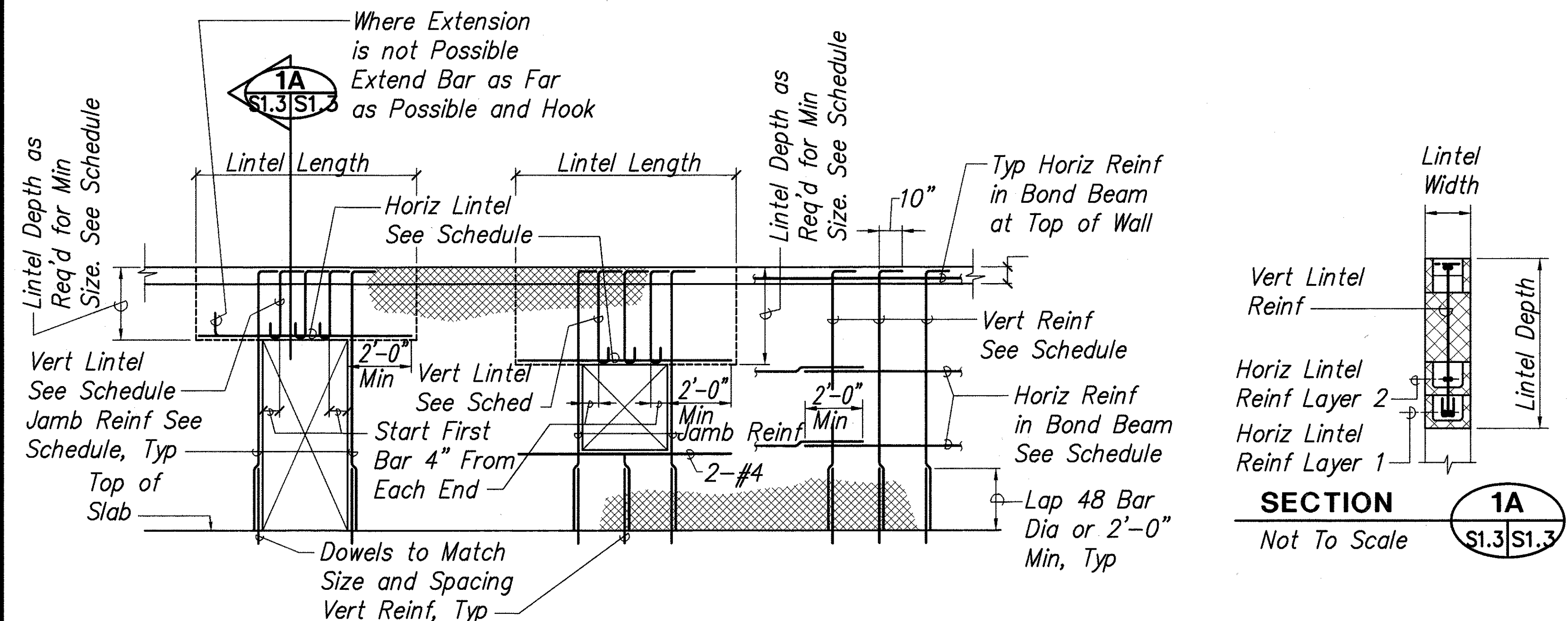


S1.2

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL DETAILS

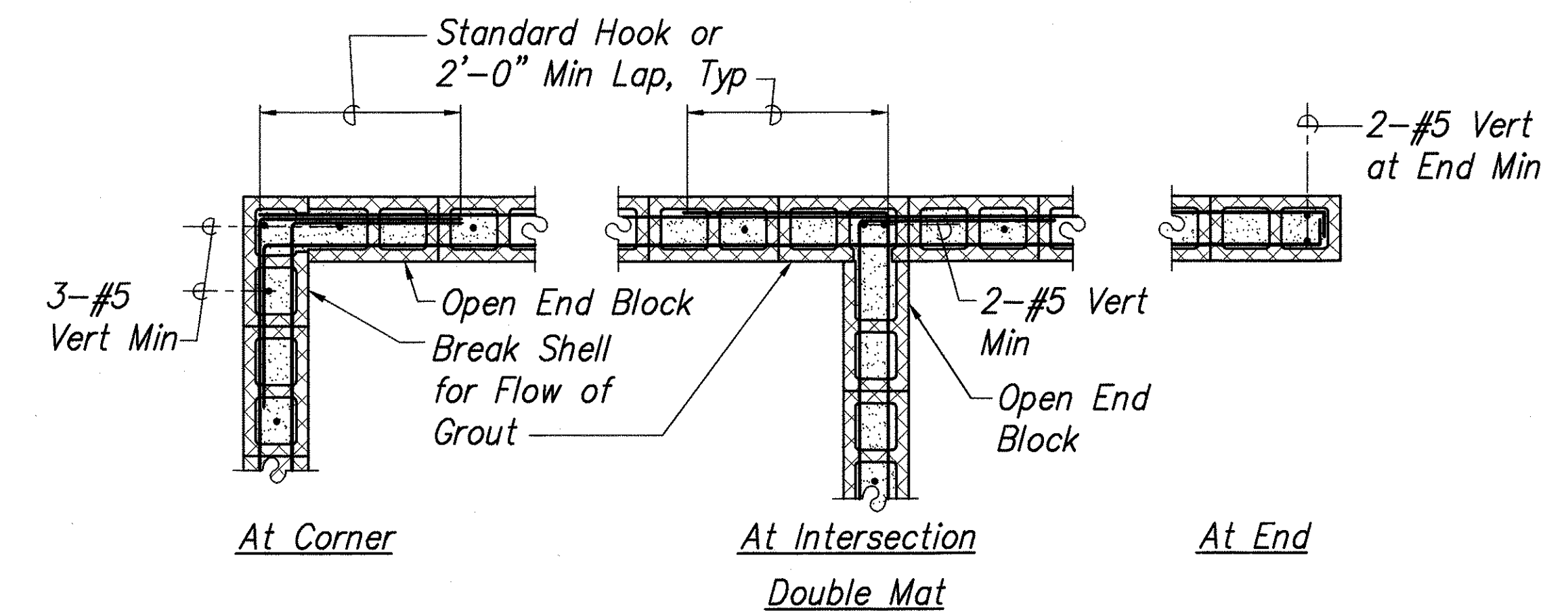
OAHU DISTRICT BASEYARD FACILITIES
Project No. HWY-0-05-98

SCALE: AS NOTED DATE: APRIL 2000
SHEET No. S1.2 OF 116 SHEETS



OPENING SCHEDULE						
OPENING WIDTH	LINTEL WIDTH	LINTEL DEPTH	JAMB	LINTEL LAYER 1	LINTEL LAYER 2	REMARKS
W < 4'-0"	8"	2'-0"	2-#5	2-#4	2-#4	#4 AT 8"
4'-1" < W < 8'-0"	8"	2'-8"	2-#5	2-#5	2-#5	#4 AT 8"
W > 12'-0"	8"	3'-4"	2-#5	2-#5	2-#5	#4 AT 8"

CMU WALL REINFORCING SCHEDULE				
MARK	WALL THICKNESS	BAR SIZE AND SPACING		
		HORIZ	VERT	REMARKS
CMU-1	8"	2-#4 AT 48"	#4 AT 24"	.
CMU-2	8"	2-#4 AT 48"	#5 AT 24"	.



TYPICAL CMU WALL ELEVATION DETAIL

Not To Scale

1

S1.3|S1.3

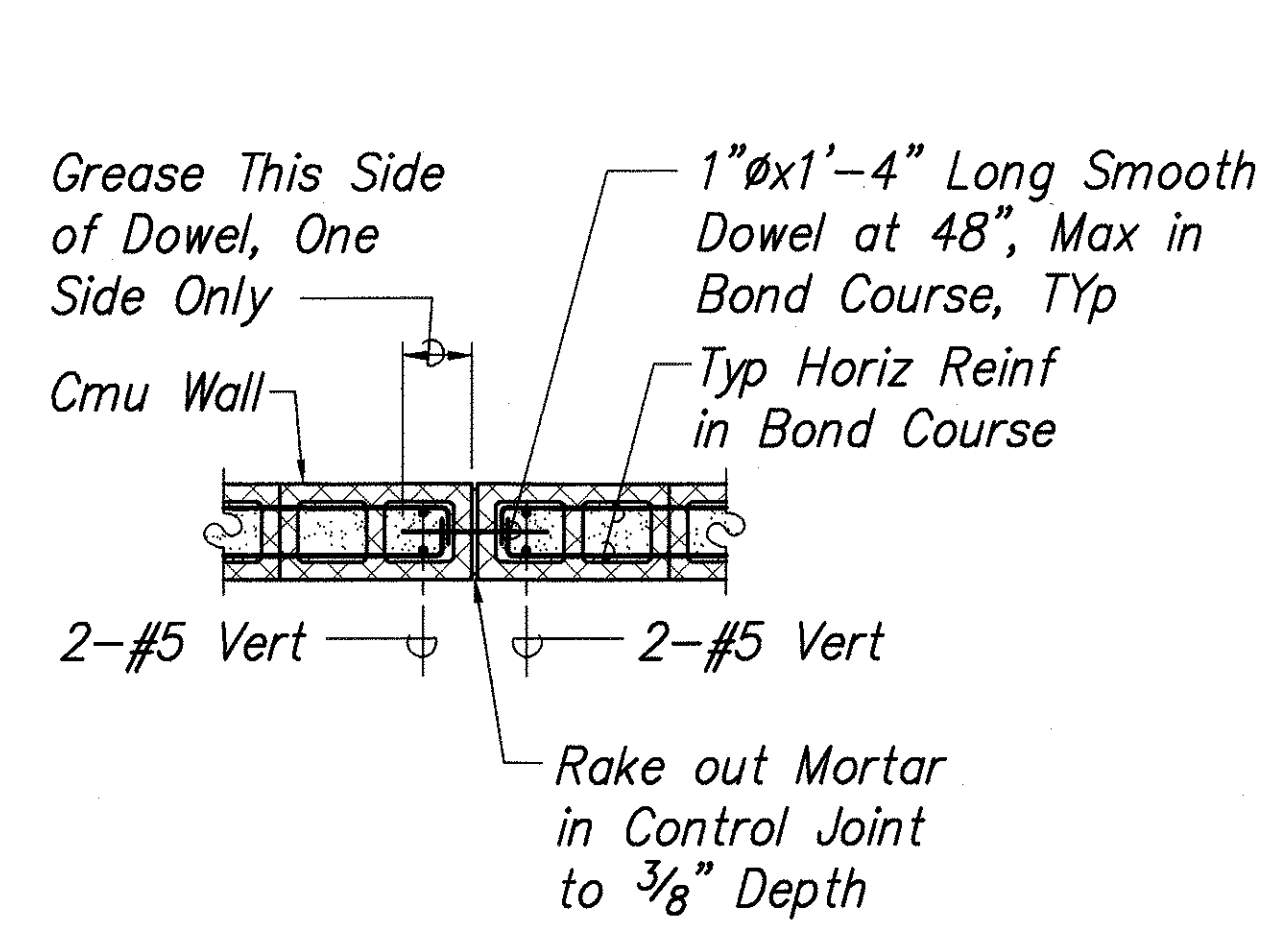
Note:
All walls shall be solid grouted.

CMU WALL REINFORCING AT BOND BEAM

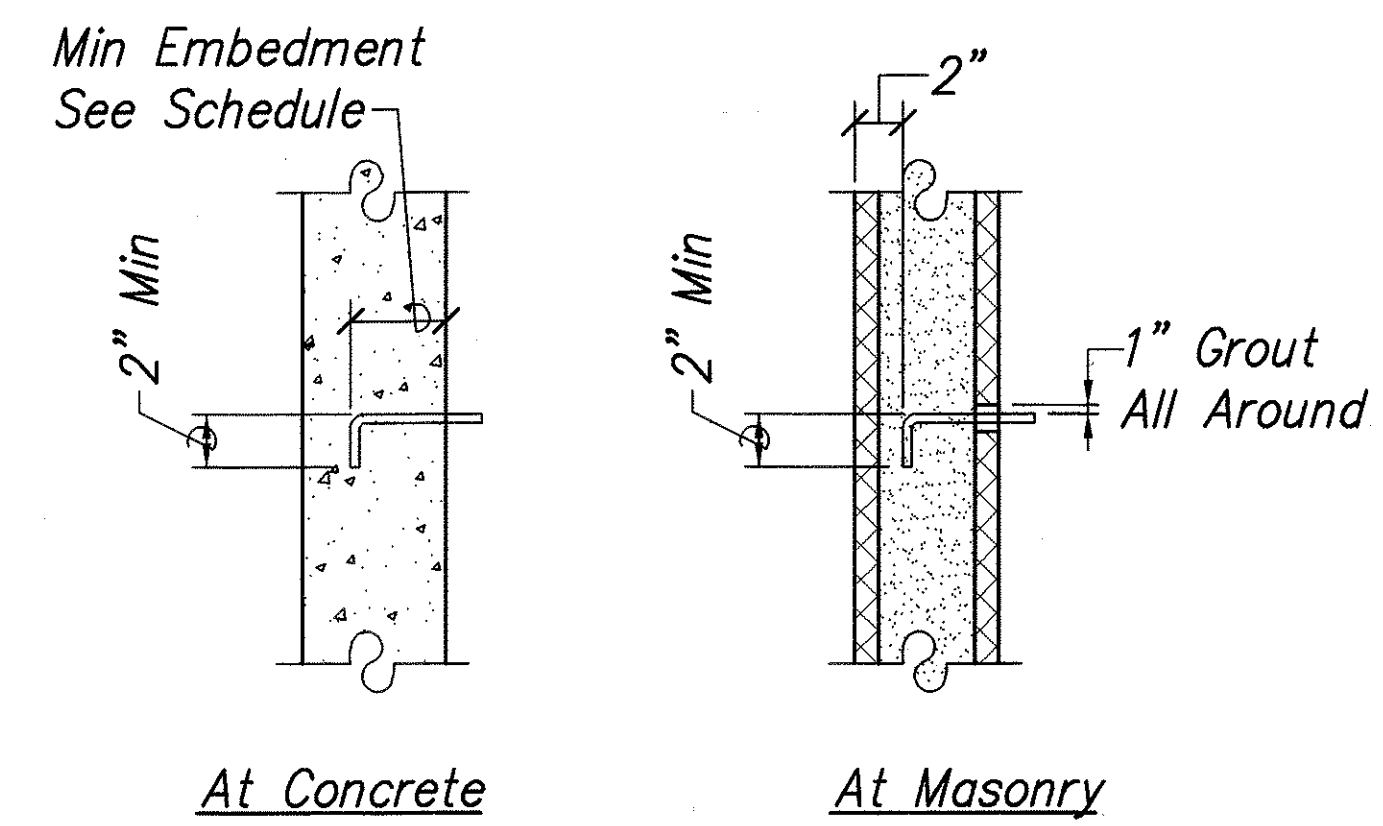
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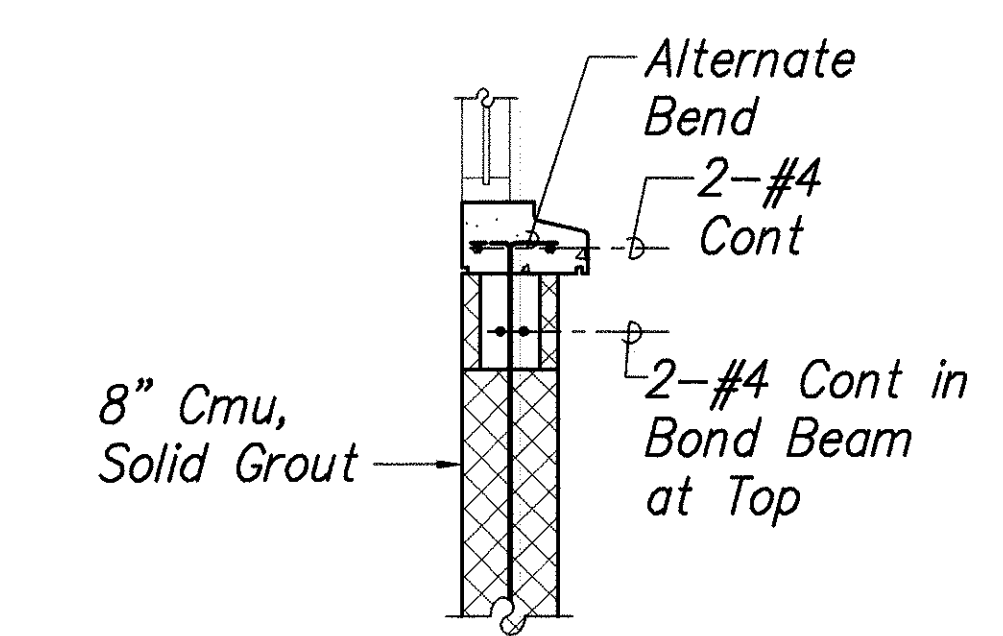
S1.3|S1.3



- Notes:
- Control joint shall be continuous vertical line from top of footing to top of wall.
 - All horizontal reinforcing shall be discontinuous across control joints except bond course at the top of all walls



EMBEDMENT SCHEDULE	
BOLT DIAMETER	MINIMUM EMBEDMENT
1/2"	4"
5/8"	5"
3/4"	6"
7/8"	7"
1"	7"



Note:
See Architectural Drawings for Size, Reveal, Drip, Etc of Sill

CONTROL JOINT FOR CMU WALLS

Not To Scale

3

S1.3|S1.3

TYPICAL ANCHOR BOLT DETAIL

Not To Scale

4

S1.3|S1.3

TYPICAL CAST IN PLACE CONCRETE SILL DETAIL

Not To Scale

5

S1.3|S3



7-20-00	Bldg Department Comments
6-07-00	Revised Title Block
DATE	REVISION

S1.3

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL DETAILS

OAHU DISTRICT WAREHOUSE BUILDING

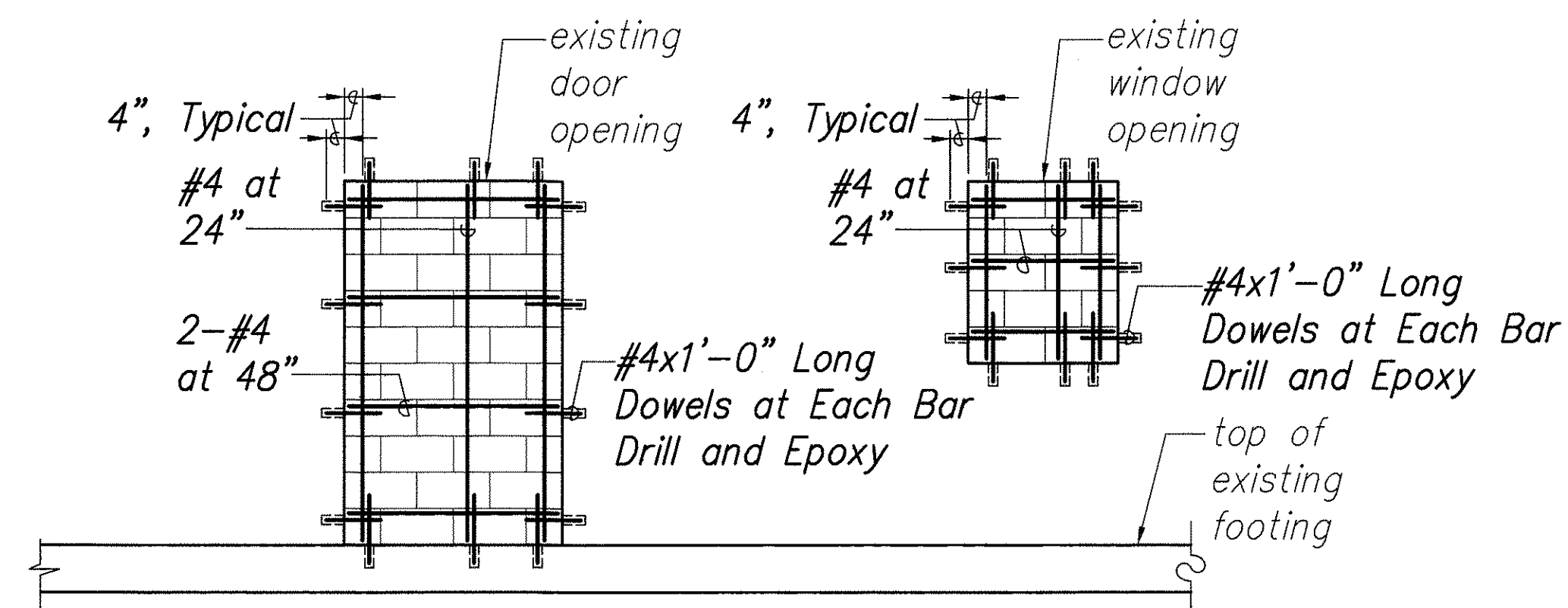
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SCALE: AS NOTED DATE: APRIL 2000

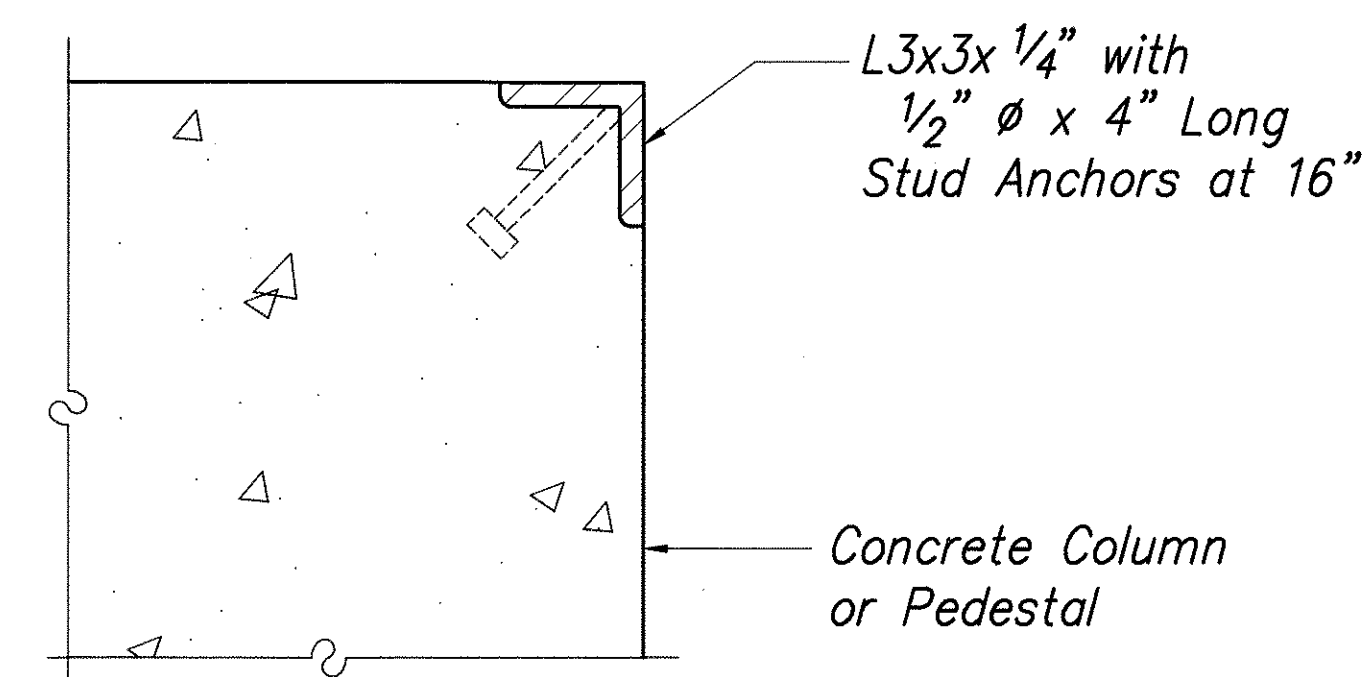
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HAWAII	HAW.	HWY-0-05-98	2000	71	116



Note:
Solid Grout
all Cells.



Note: See Architectural Drawings
for Location and Length of
Corner Guard.

TYPICAL CMU WALL INFILL DETAIL

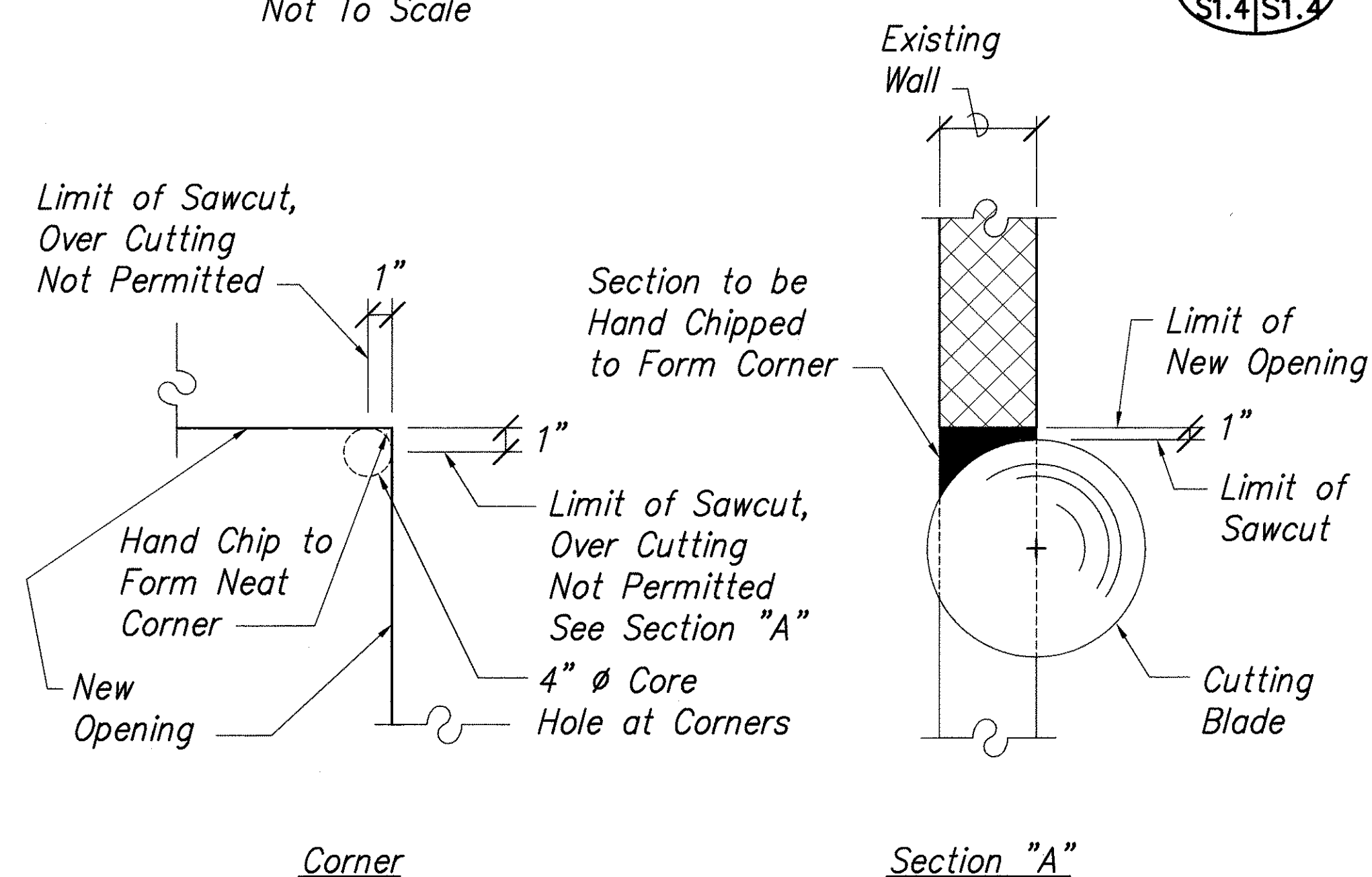
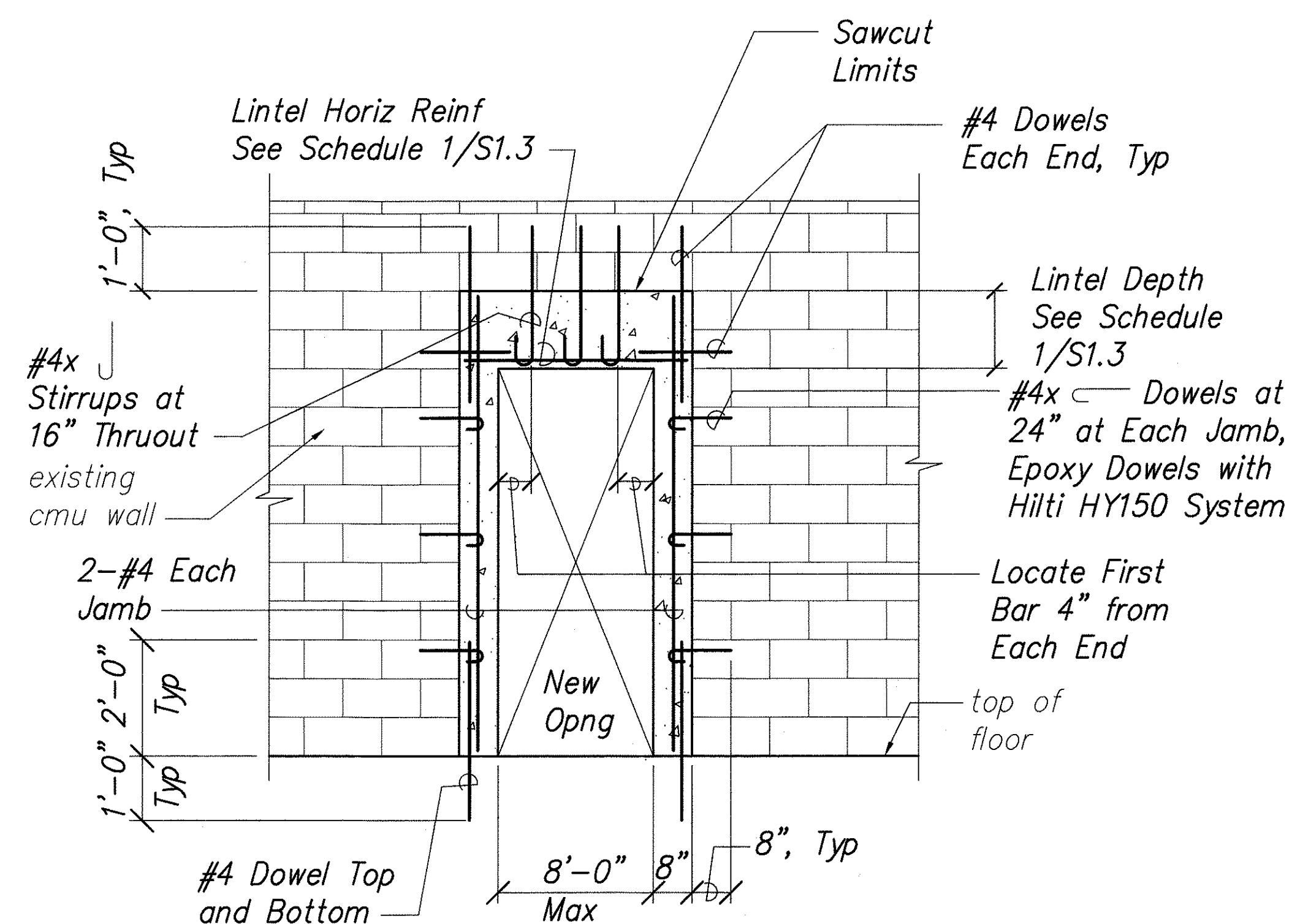
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1
S1.4 | S1.4

TYPICAL CORNER GUARD DETAIL

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2
S1.4 | S1.4



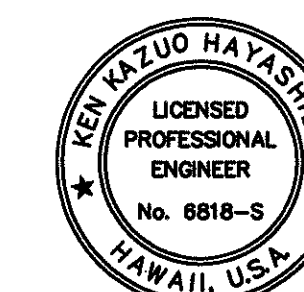
Typical Sawcut Detail

TYPICAL NEW OPENING IN EXISTING CMU WALL

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3
S1.4 | S1.4

S1.4



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL DETAILS

OAHU DISTRICT BASEYARD
FACILITIES
Project No. HWY-0-05-98

SCALE: AS NOTED DATE: APRIL 2000

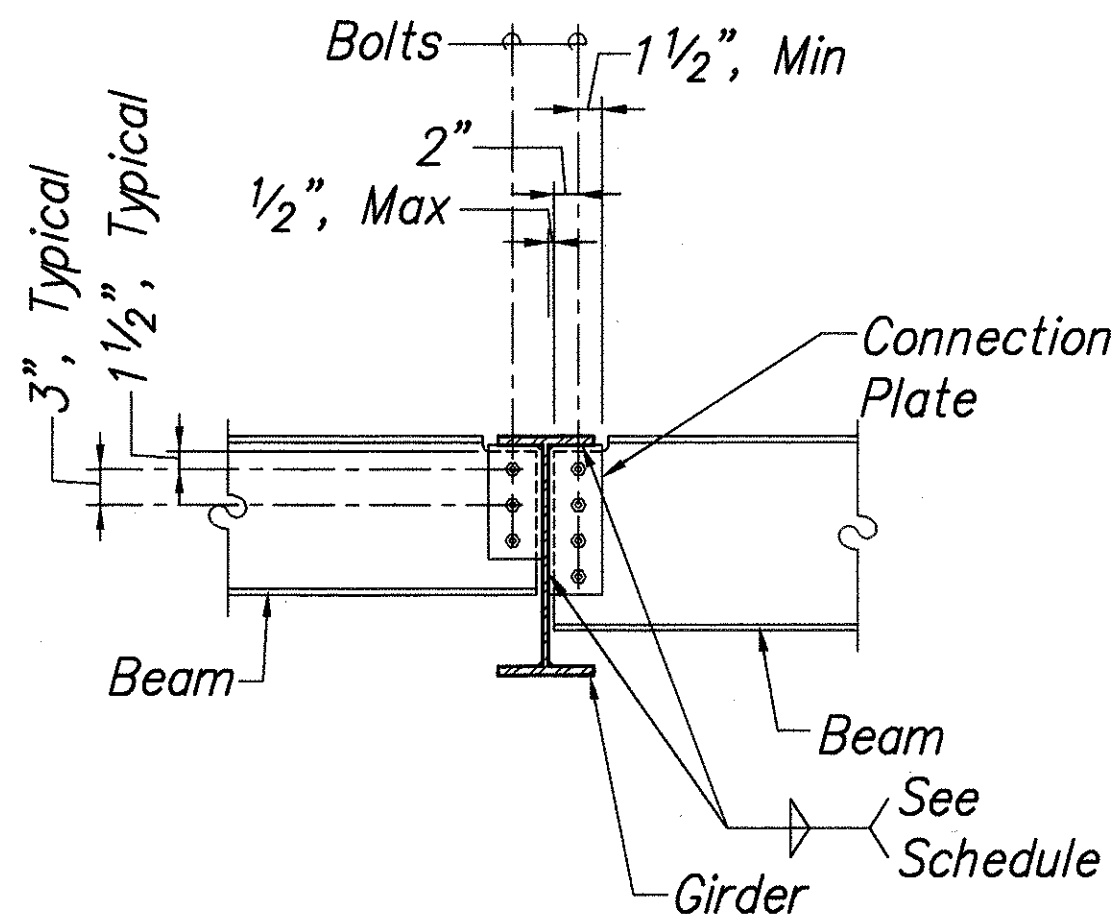
SHEET No. S1.4 OF 116 SHEETS

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NON-MOMENT BEAM CONNECTION SCHEDULE			
BEAM SIZE	NO OF 5/8" A325N BOLTS	CONN PLATE	WELD SIZE
W12, W14	3	3/8"	3/16"
W16	4	1/2"	1/4"
W18	5	1/2"	1/4"

- Notes:
1. Fillet weld size shall be as shown unless a greater size is required by AISC table J2.4.
 2. Edge distance and bolt spacing shall meet the requirements of AISC specifications.
 3. Double angles may be substituted for connector plates, provided they meet or exceed the requirement of AISC Table 11 framed beam connections bolted.
 4. When bolts are required to be spaced two rows, place maximum number of bolts in first row (nearest to column) and symmetrically space balance of bolts in second rows.



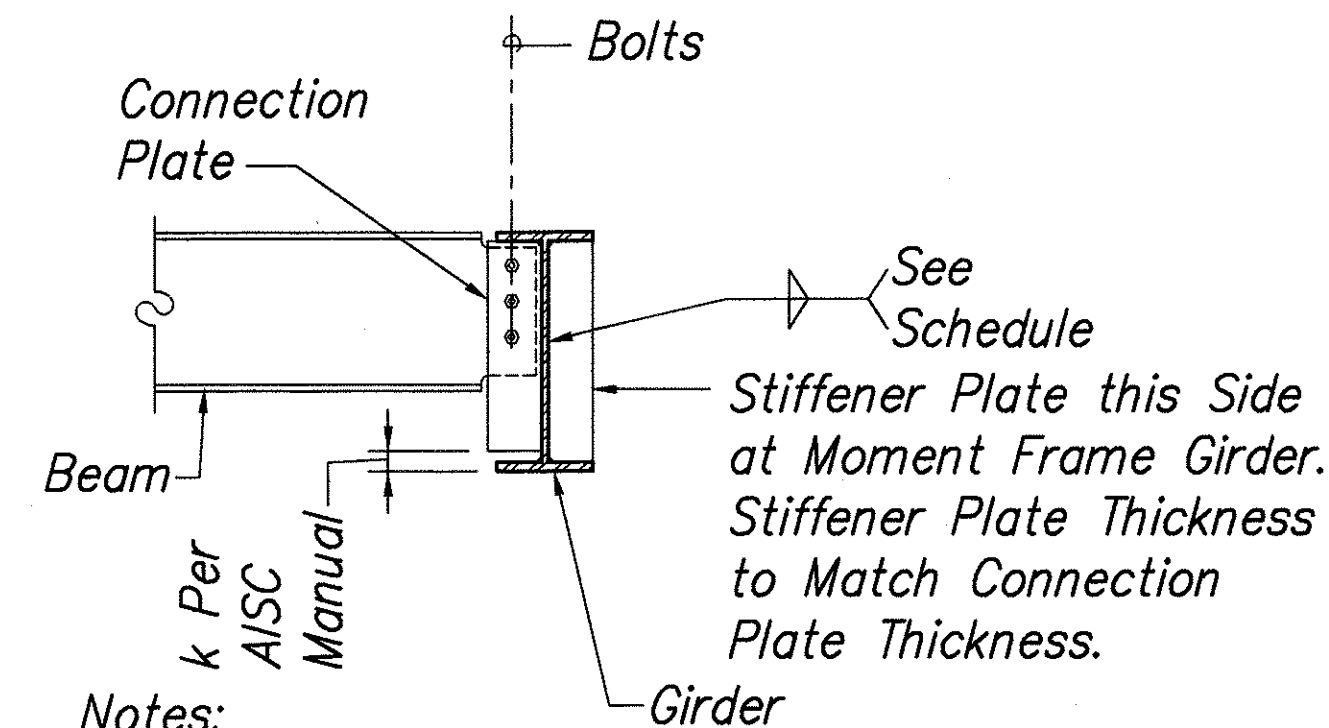
Note:
For Bolts, Welds, and Connection Plates,
See Non-Moment Beam Connection Schedule.

TYPICAL BEAM NON-MOMENT CONNECTION

Not To Scale

2

S1.5 S1.5



- Notes:
1. One Sided Connection Occurs Where Opposite Beams are Offset by 1'-0" or More.
 2. For Balance of Information, See Typical Beam Non-Moment Connection.

ONE SIEDED NON-MOMENT CONNECTION

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3

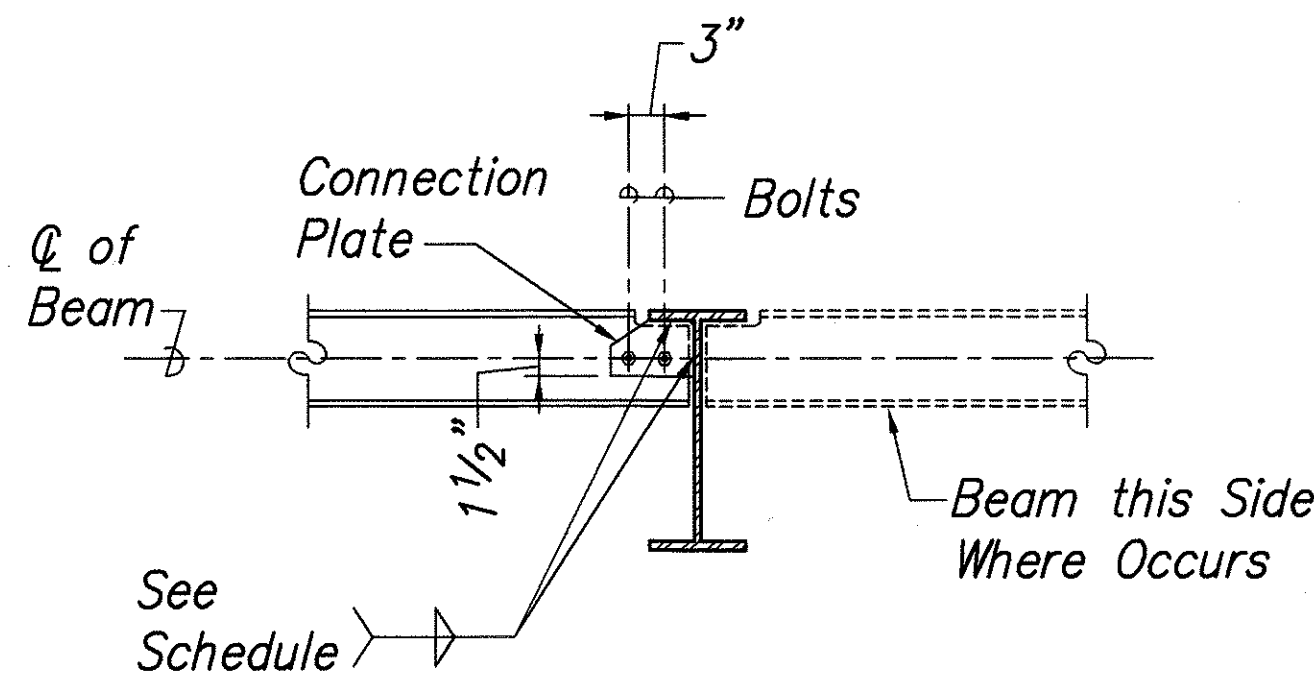
S1.5 S1.5

NON-MOMENT BEAM CONNECTION SCHEDULE

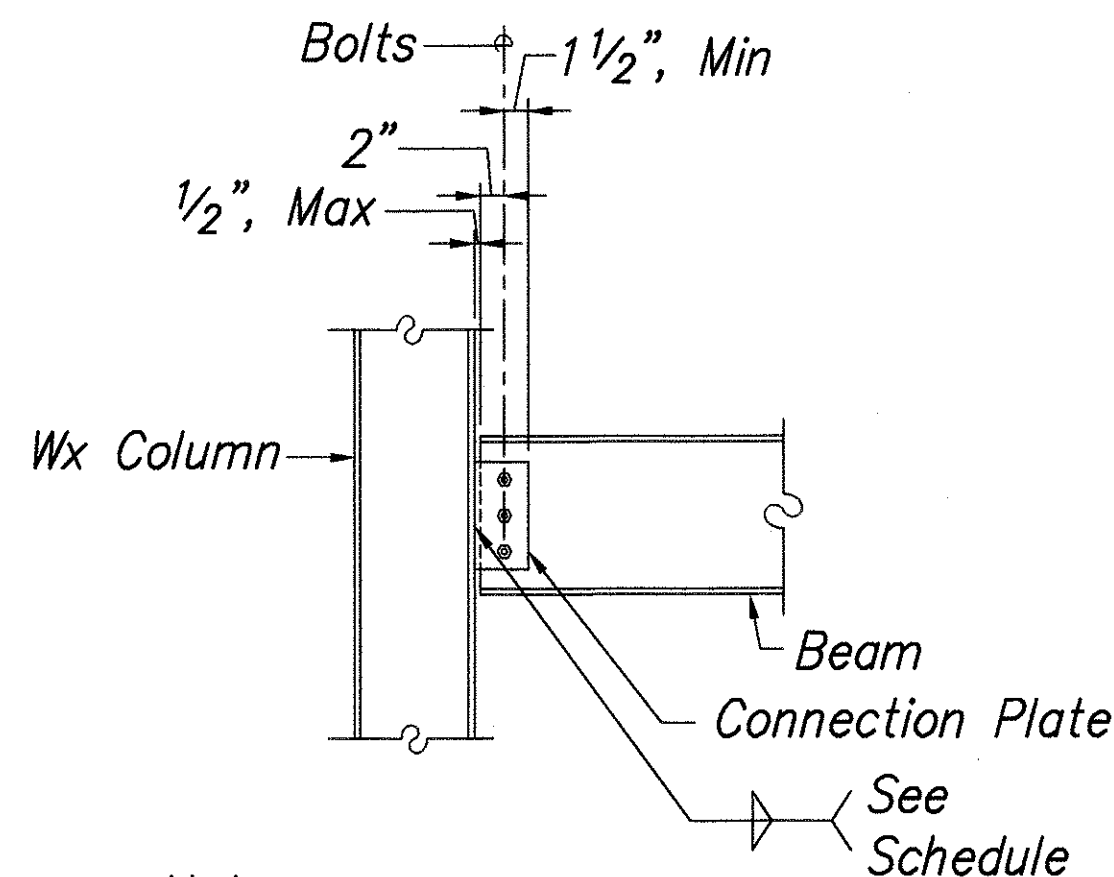
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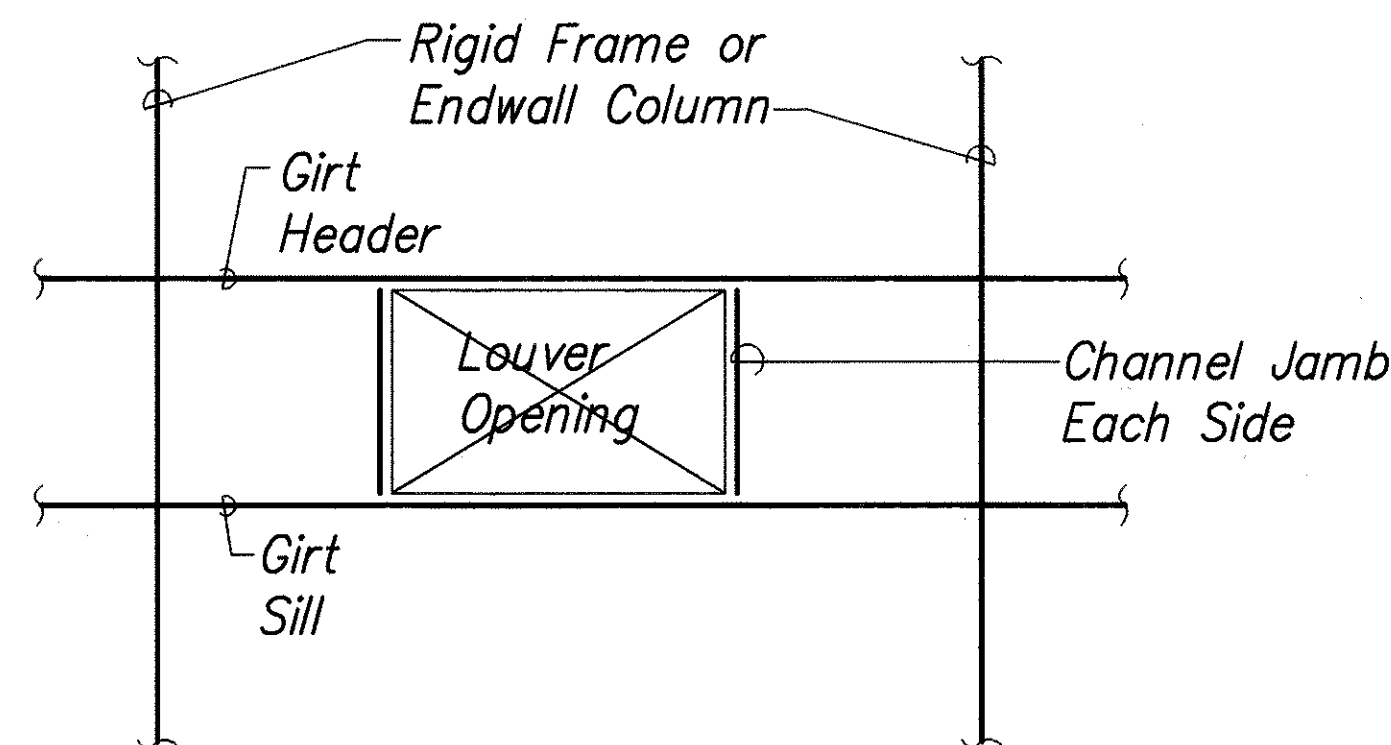
S1.5 S1.5



Note:
For Bolts, Welds, and Connection Plates,
See Non-Moment Beam Connection Schedule.



Note:
For Balance of Information, See
Typical Beam Non-Moment Connection.

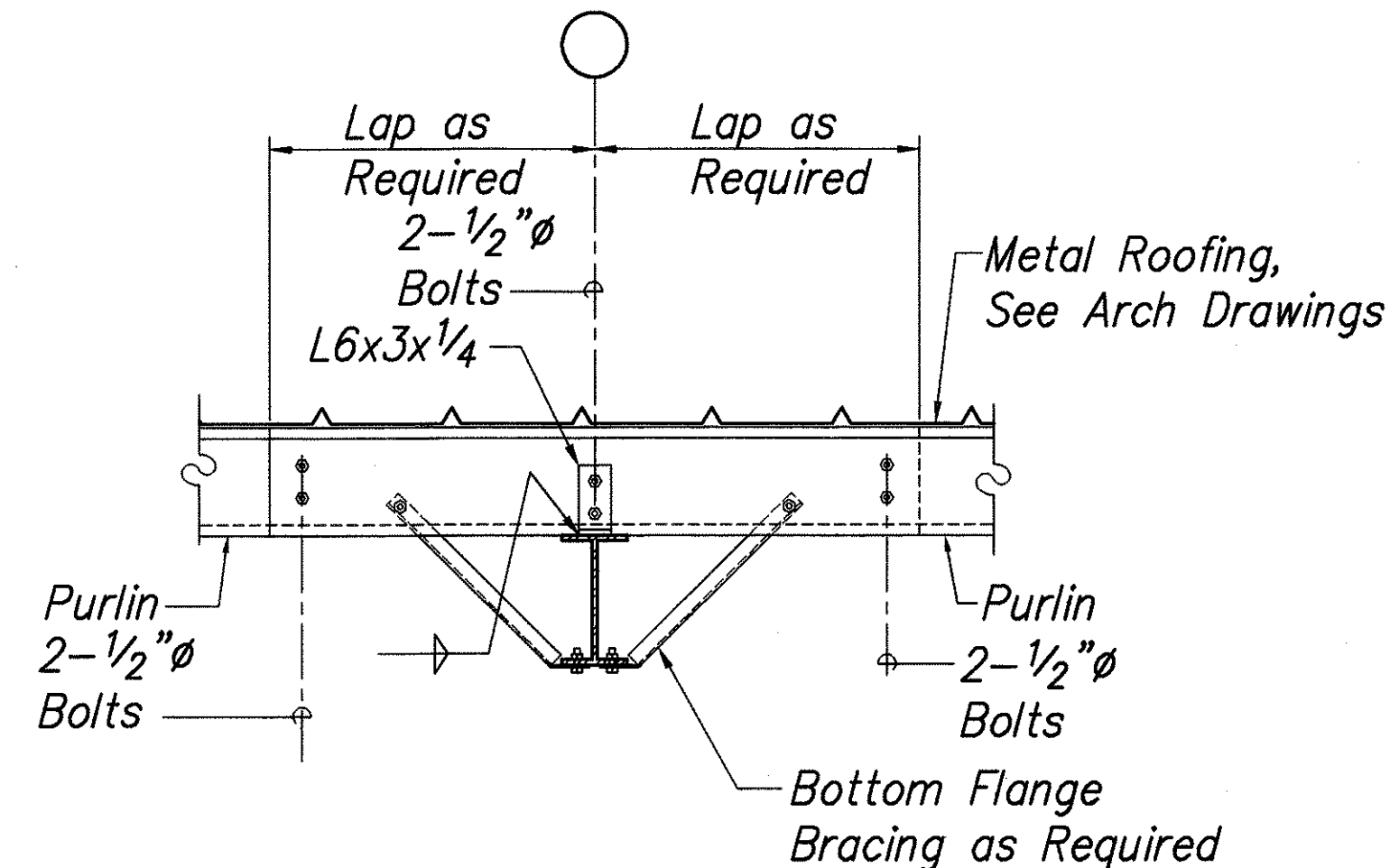


TYPICAL METAL WALL OPENING DETAIL

Not To Scale

6

S1.5 S1.5



TYPICAL PURLIN CONNECTION

Not To Scale

7

S1.5 S1.5

W6 AND SMALLER BEAM NON-MOMENT CONNECTION

Not To Scale

4

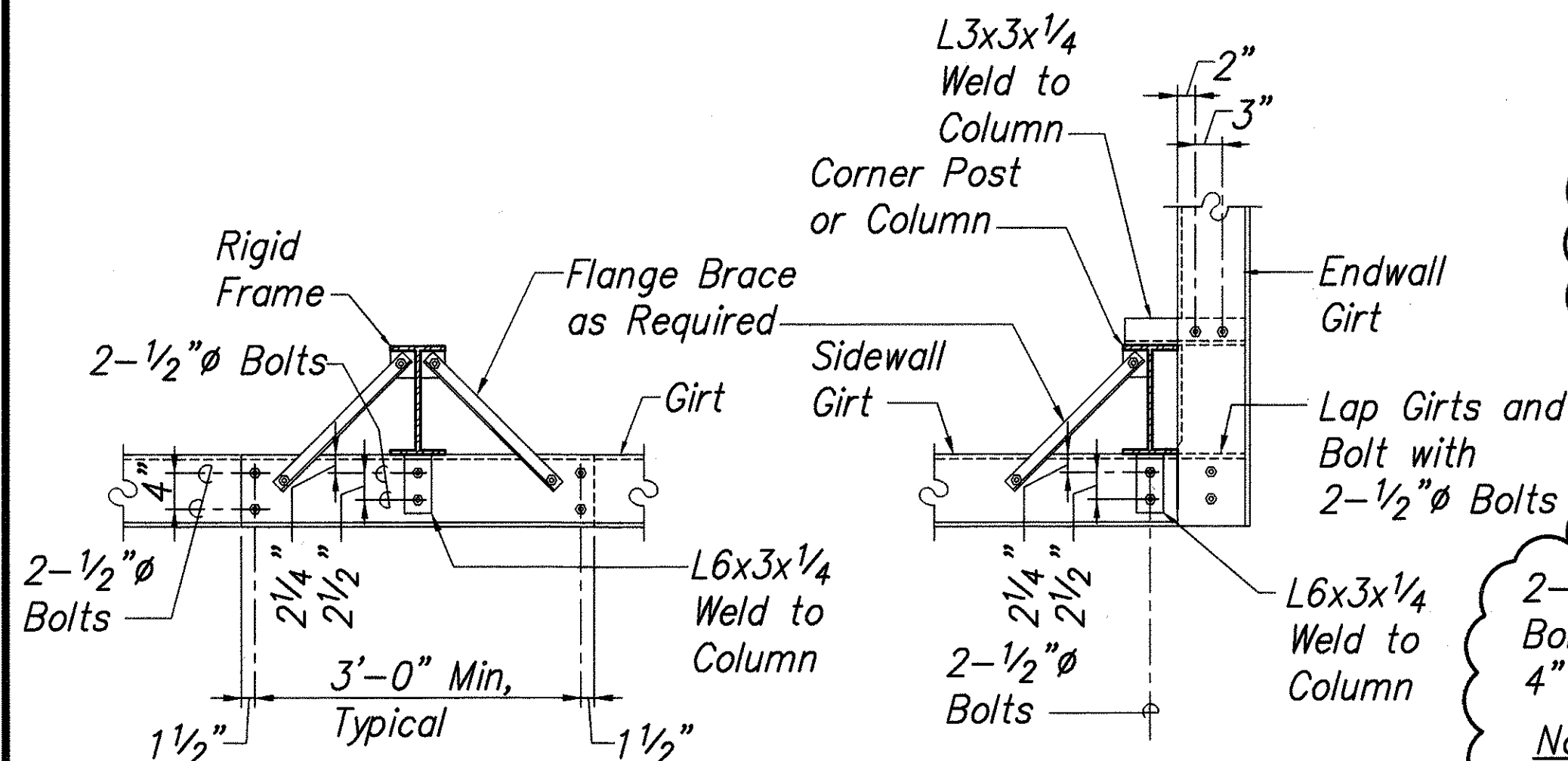
S1.5 S1.5

BEAM TO COLUMN FLANGE NON-MOMENT CONNECTION

Not To Scale

5

S1.5 S1.5

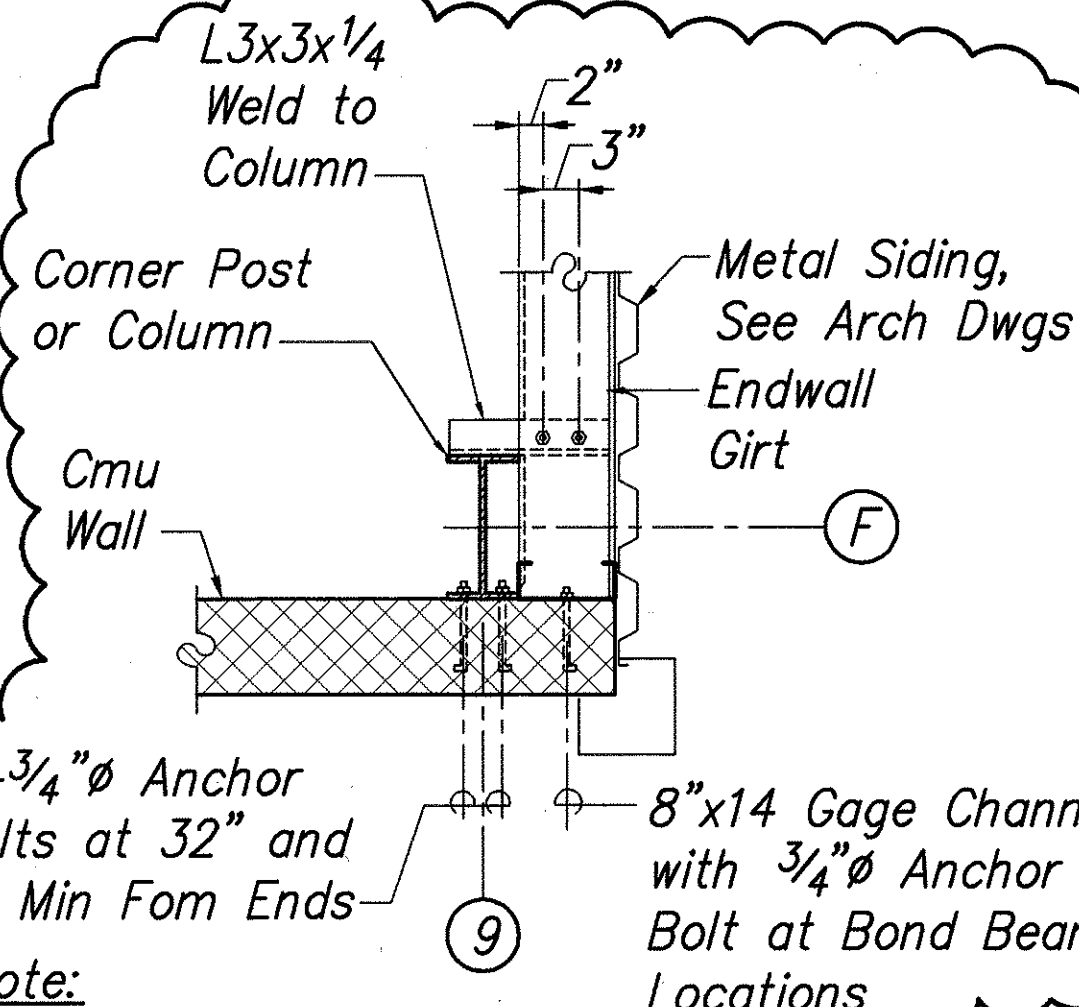


TYPICAL GIRT CONNECTION

Not To Scale

8

S1.5 S1.5



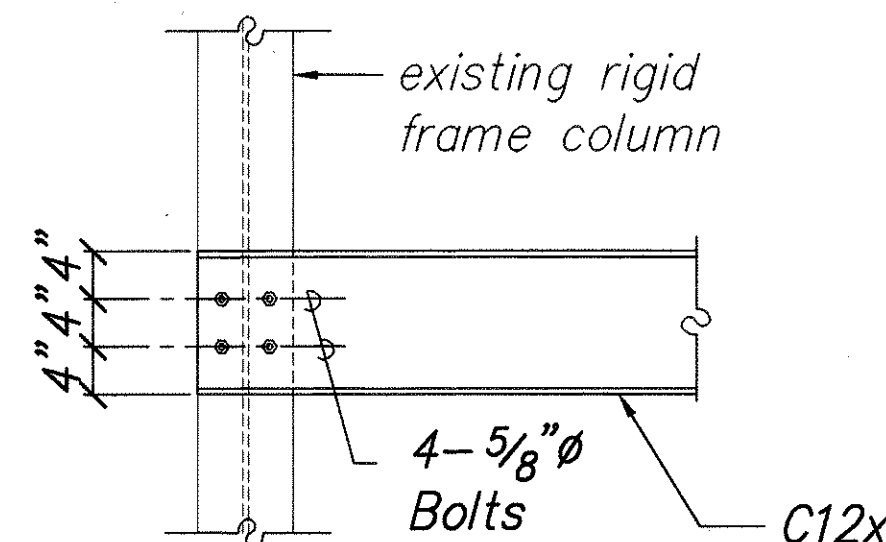
Note:
Similar at
Gridline 1/F

TYPICAL BUILDING "B" HEADER AT ROLL-UP DOOR CONNECTION

Not To Scale

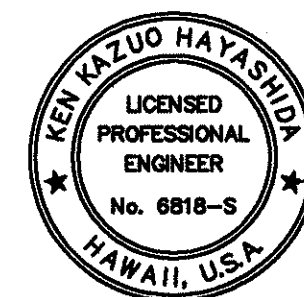
9

S1.5 S1.5



7-20-00	Bldg Department Comments
6-07-00	Revised Title Block
DATE	REVISION

S1.5



TYPICAL STEEL DETAILS

OAHU DISTRICT WAREHOUSE BUILDING

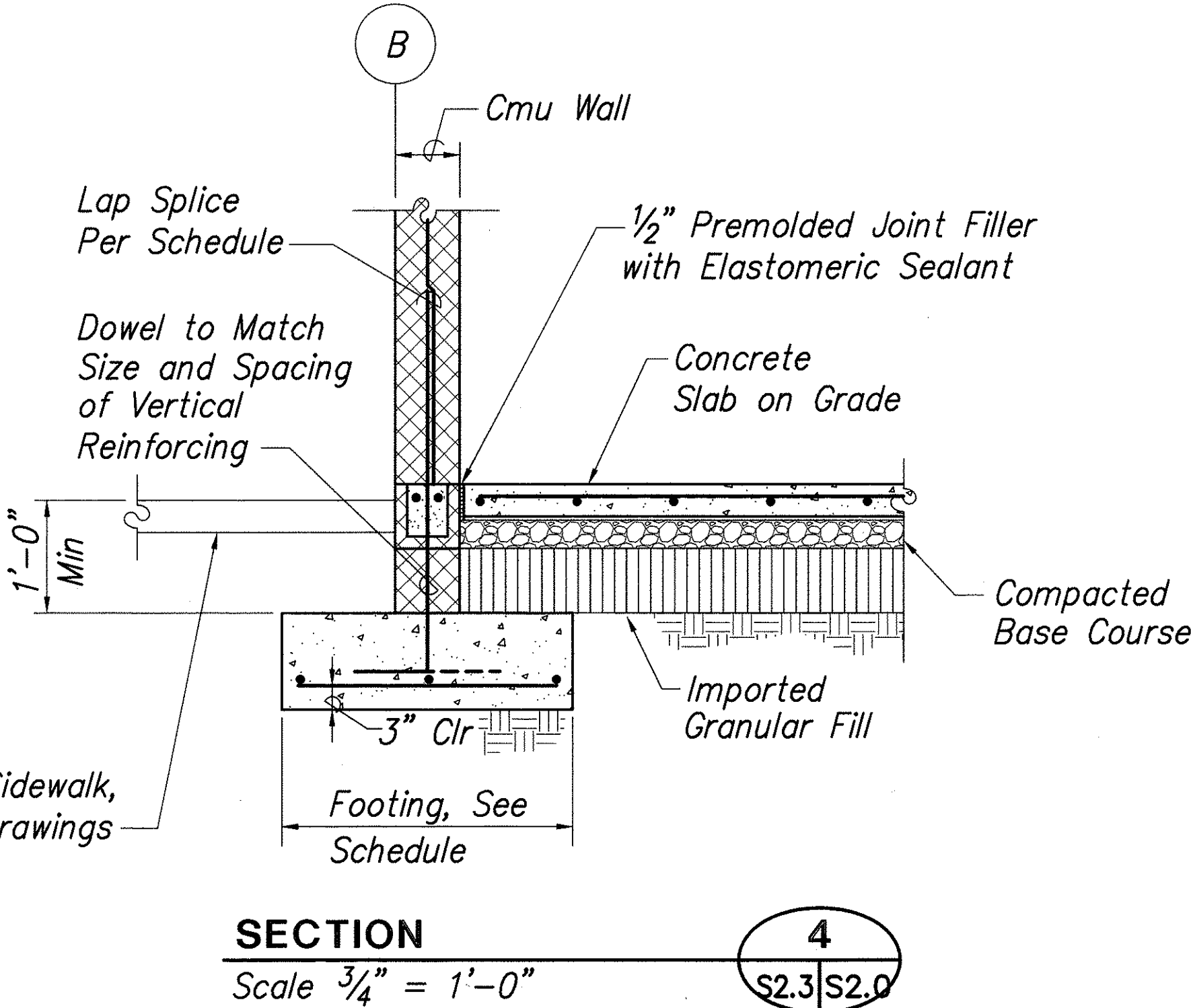
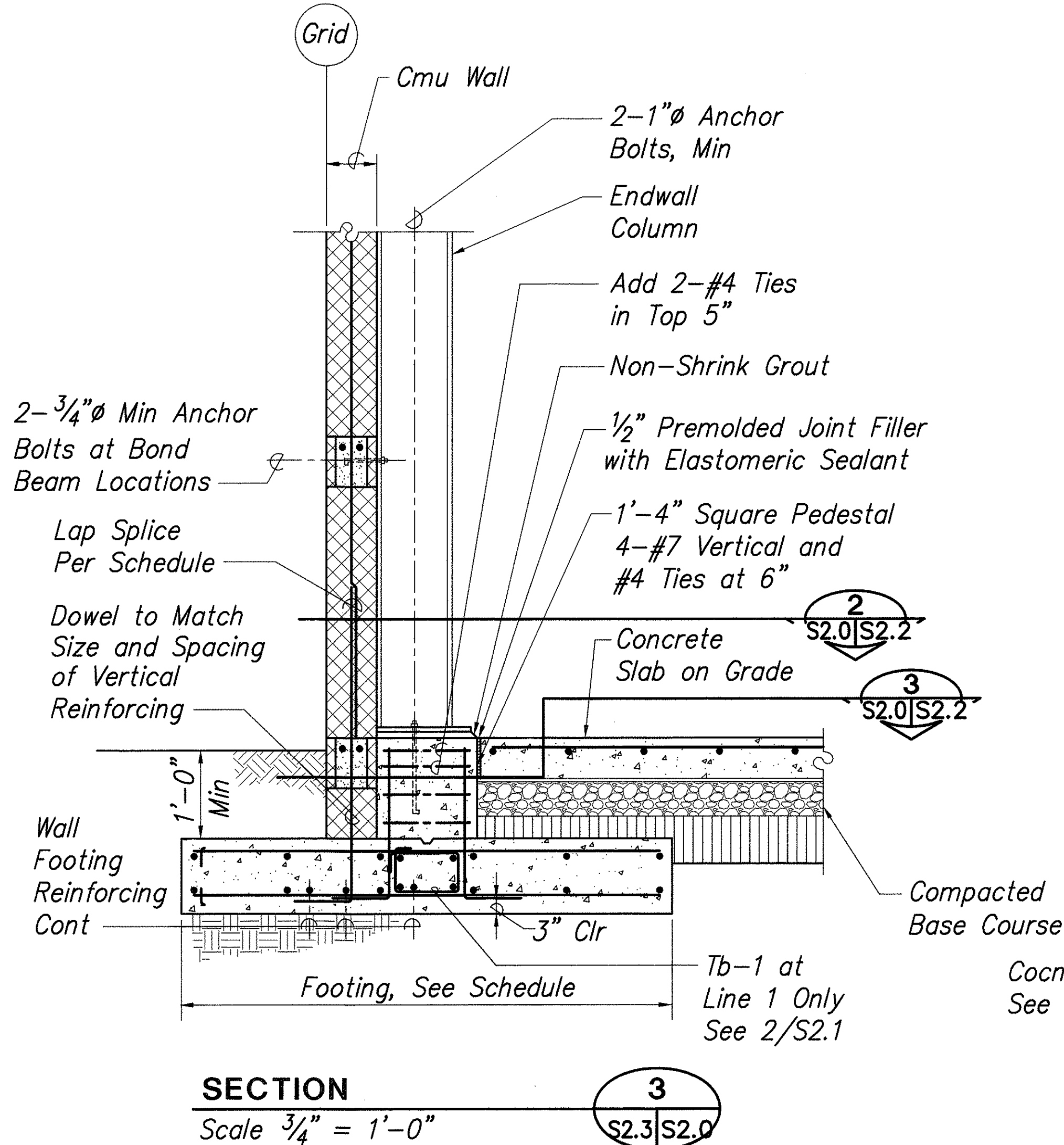
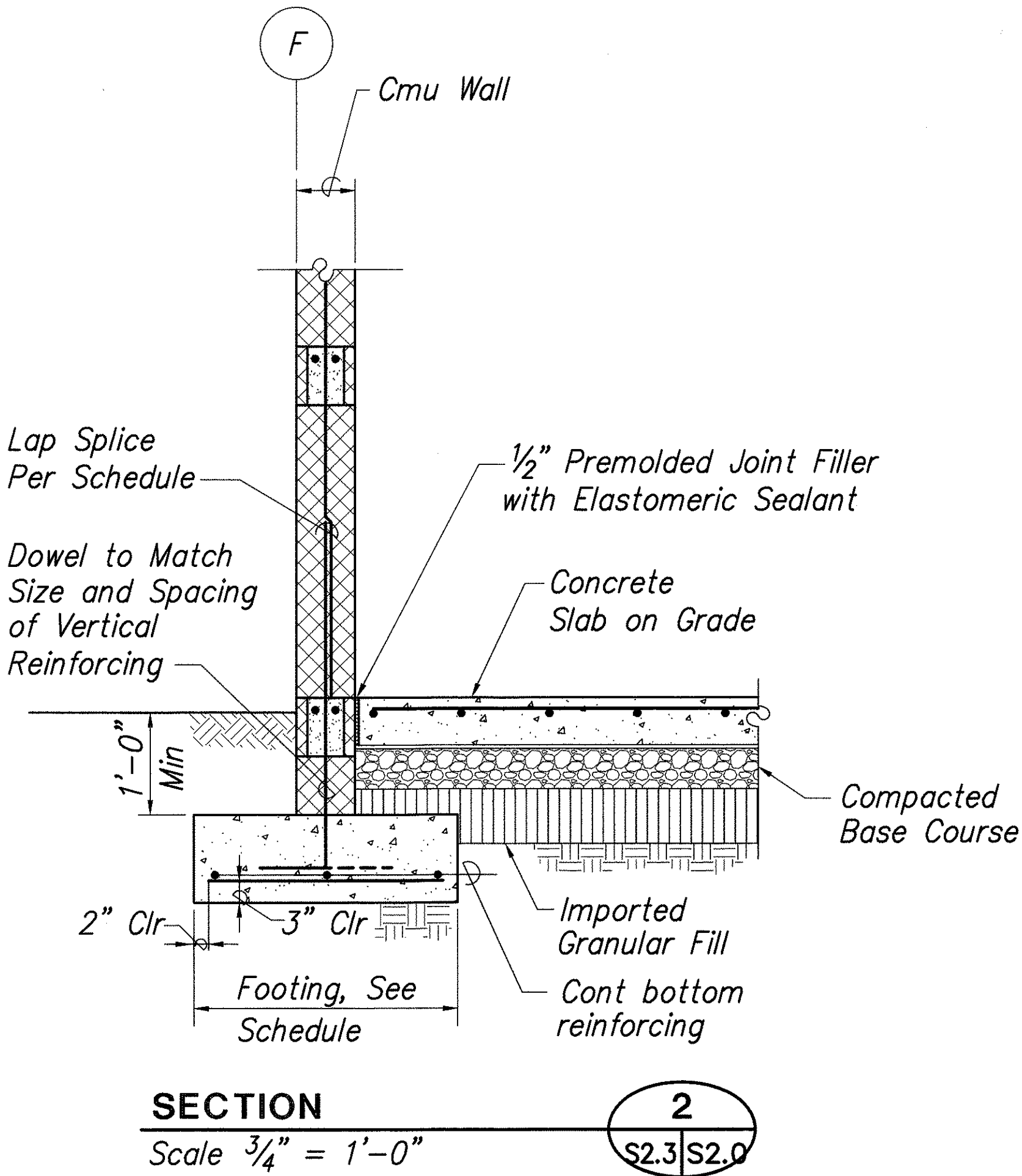
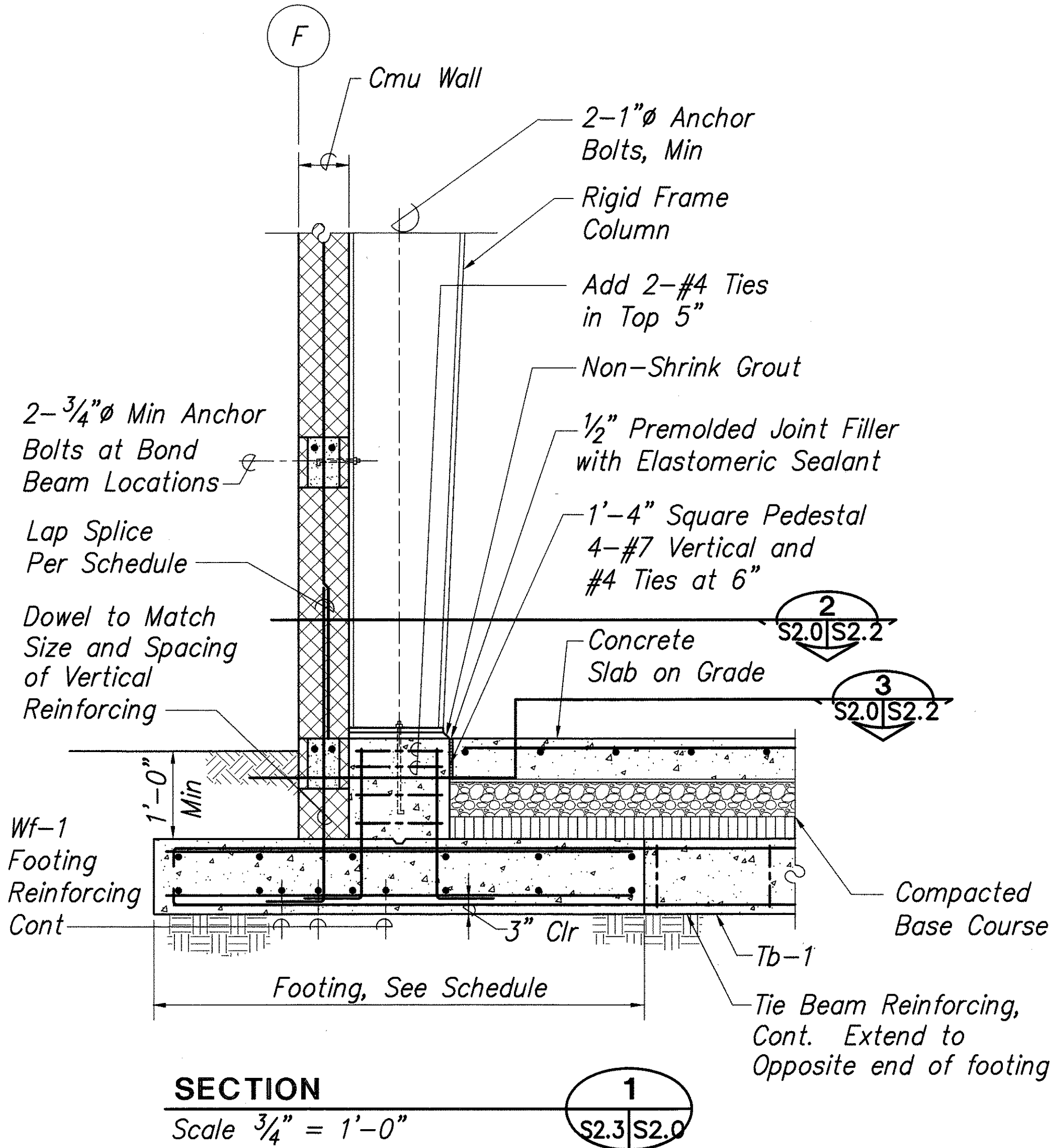
Project No. HWY-0-05-98

SCALE: AS NOTED DATE: APRIL 2000

SHEET No. S1.5 OF 116 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	73	116

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F-1	6'-6" Square x 1'-0" Thick	6-#6 Bottom Each Way
F-2	6'-0" Square x 1'-0" Thick	6-#6 Top and Bottom Each Way
F-3	5'-0" Square x 1'-0" Thick	6-#5 Top and Bottom Each Way
F-4	3'-6" Square x 1'-0" Thick	5-#4 Bottom Each Way
F-5	5'-0" Square x 1'-0" Thick	6-#5 Bottom Each Way
F-6	4'-0" Square x 1'-0" Thick	4-#5 Bottom Each Way
Wf-1	2'-0" Wide x 1'-0 Thick	3-#4 Bottom Cont with #4 at 12"
Wf-2	3'-0" Wide x 1'-0 Thick	4-#4 Bottom Cont with #4 at 12"
Wf-3	1'-4" Wide x 1'-0 Thick	2-#4 Bottom Cont with #4 at 12"



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
NO.	

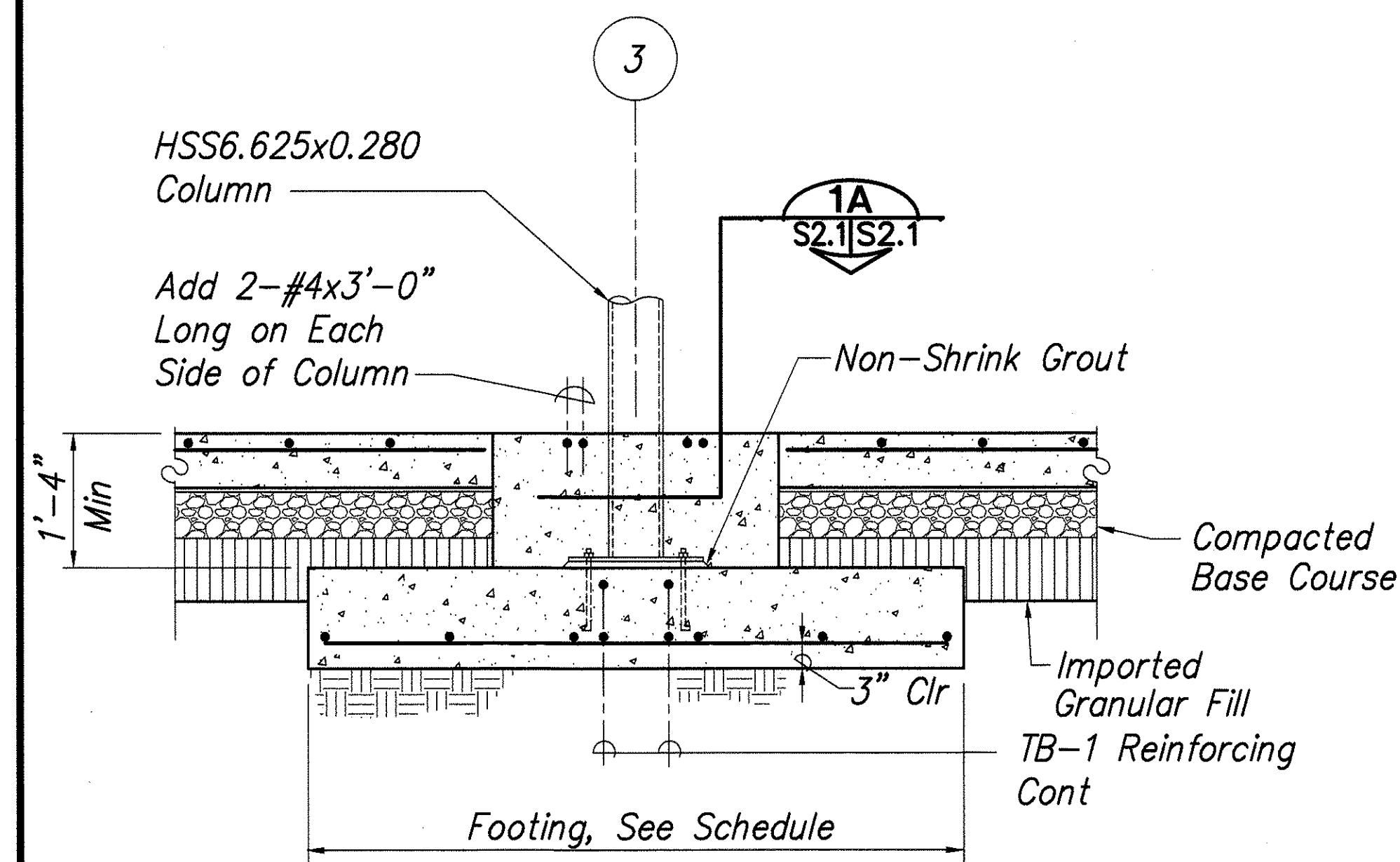


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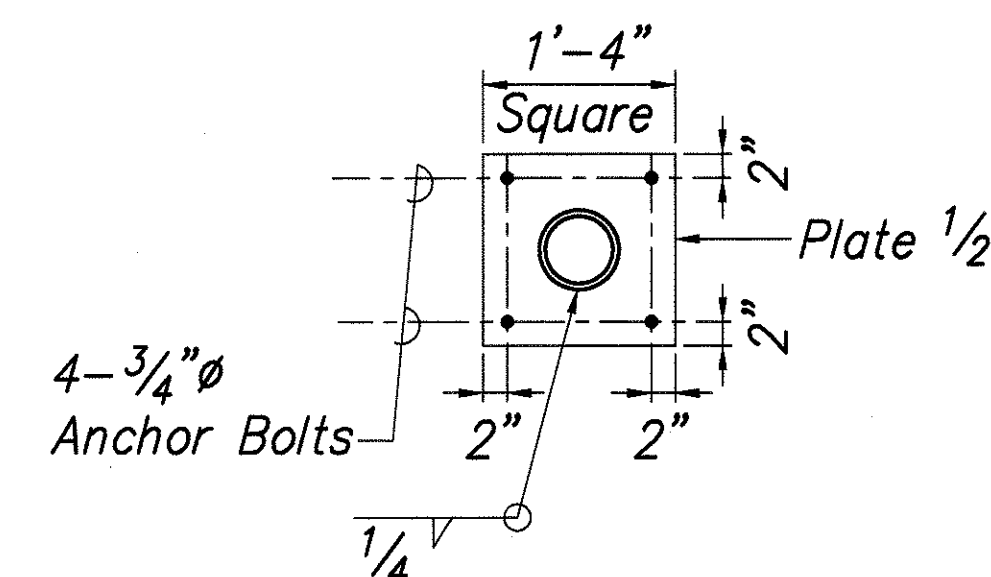
S2.0

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
BUILDING A-
FOUNDATION DETAILS
OAHU DISTRICT BASEYARD
FACILITIES
Project No. HWY-0-05-98
SCALE: AS NOTED
DATE: APRIL 2000
SHEET No. S2.0 OF 116 SHEETS

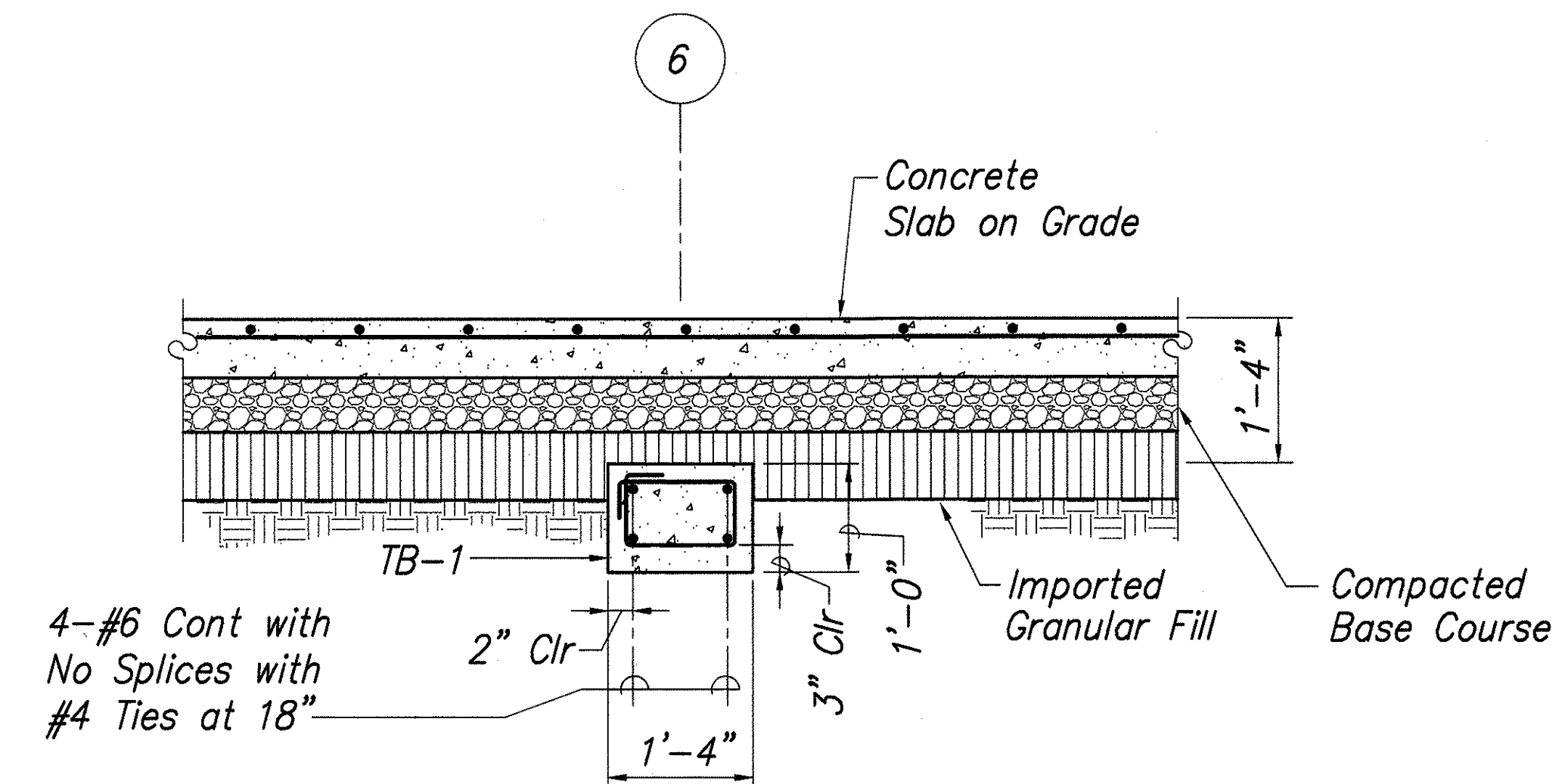
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	C.O. 74	116



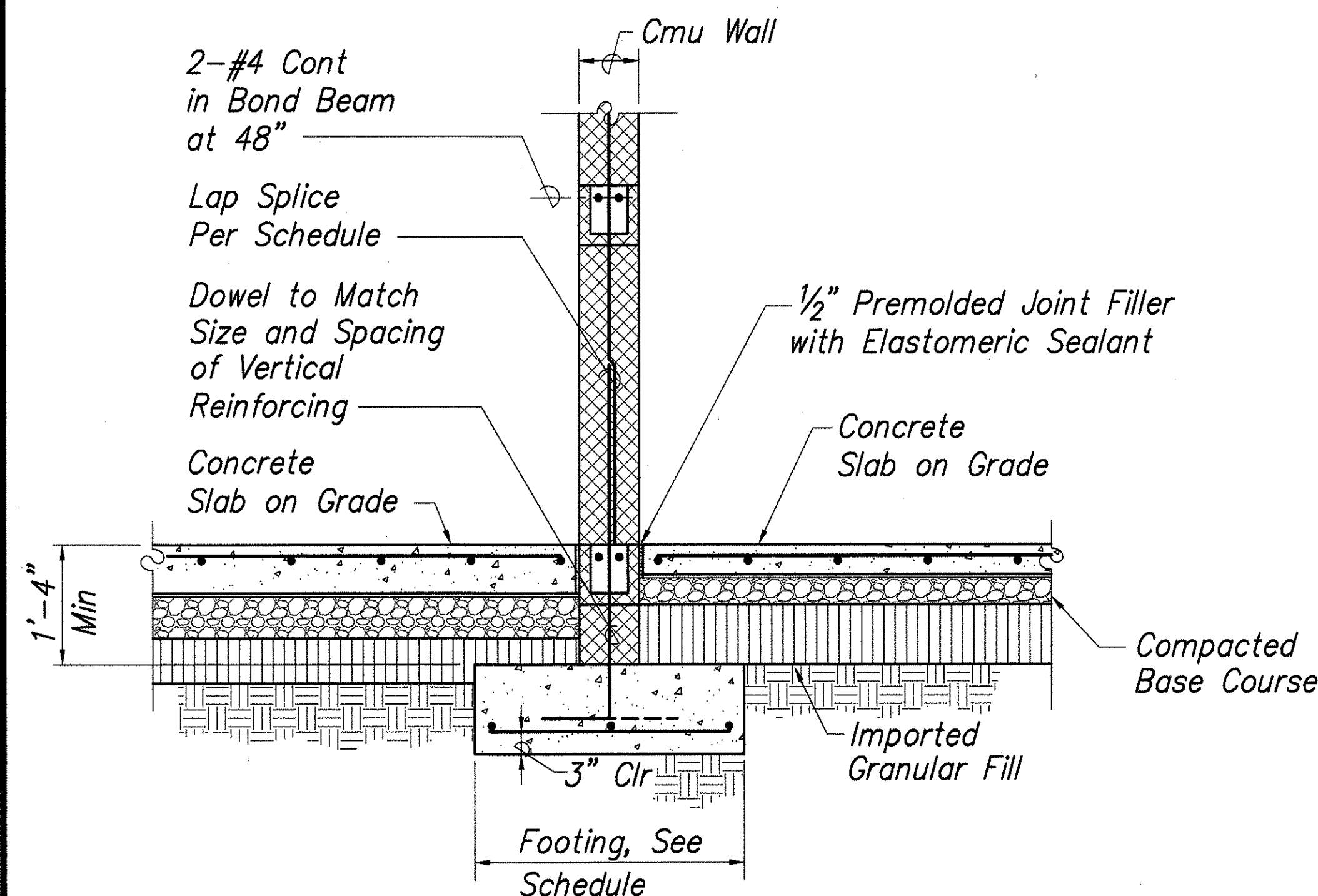
SECTION 1
Scale 3/4" = 1'-0"



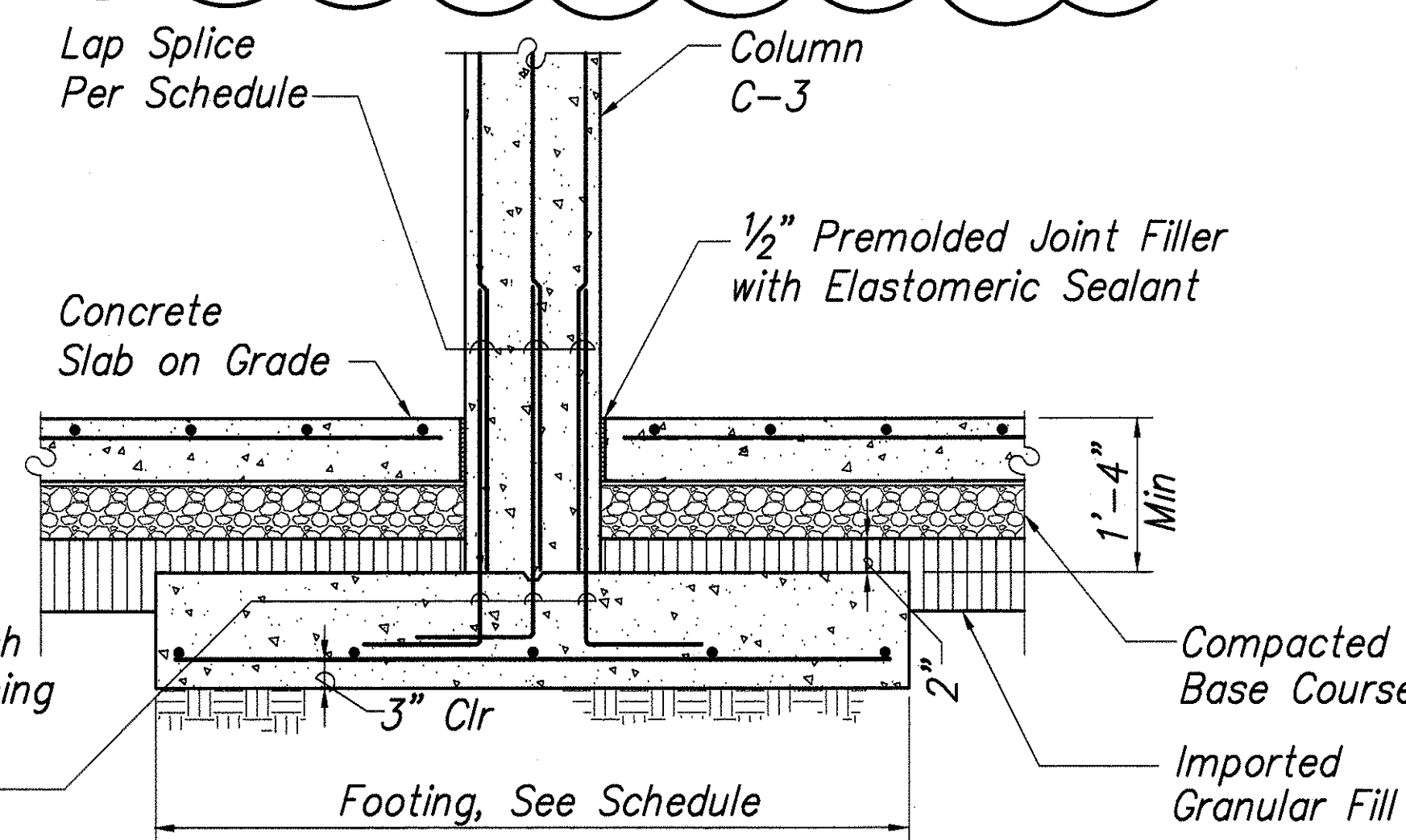
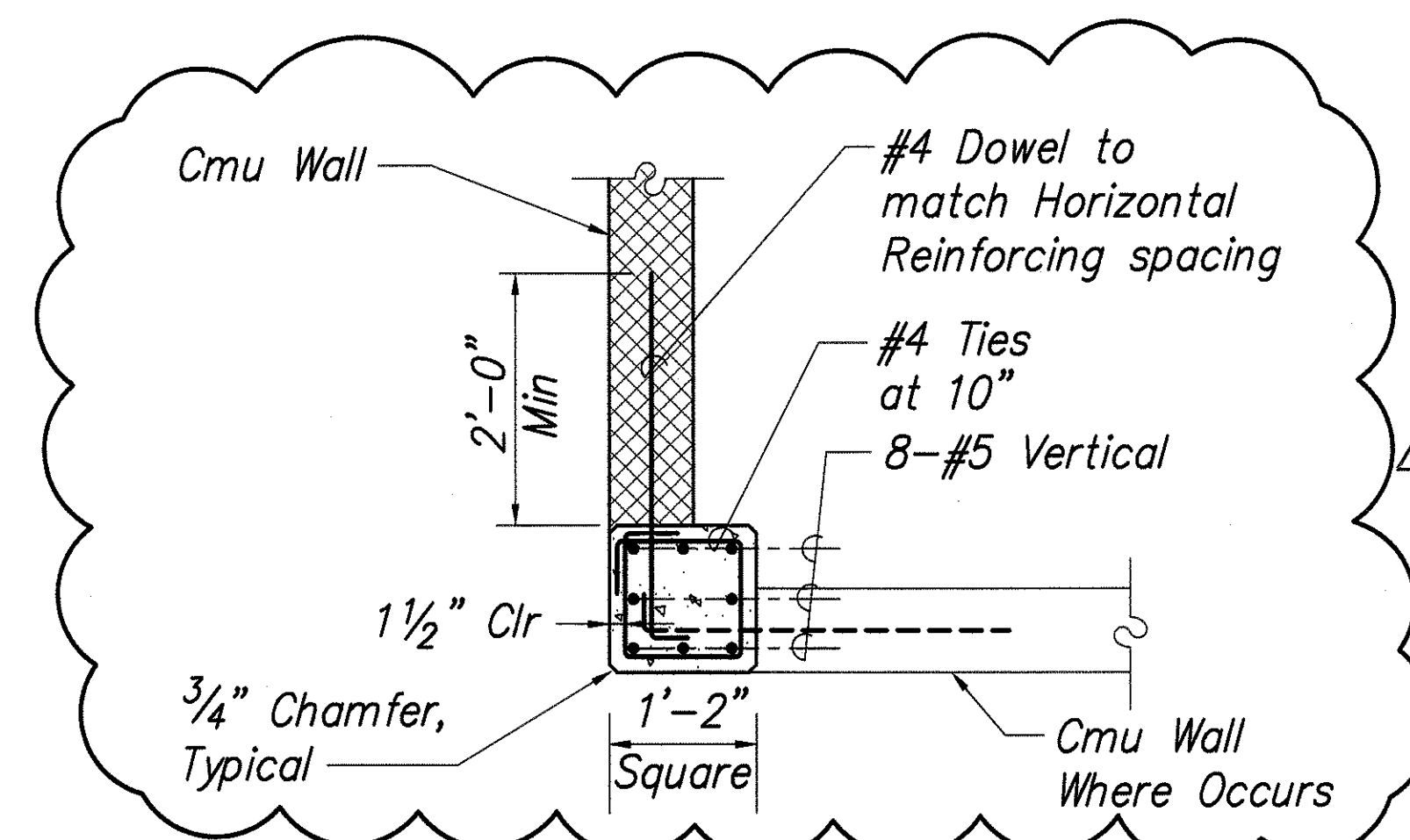
SECTION 1A
Scale 3/4" = 1'-0"



SECTION 2
Scale 3/4" = 1'-0"



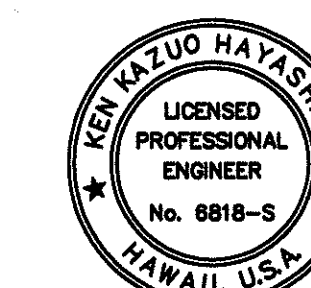
SECTION 3
Scale 3/4" = 1'-0"



SECTION 4
Scale 3/4" = 1'-0"

7-23-01	Revised Cmu Wall/Conc. Column Connection Detail
6-07-00	Revised Title Block
DATE	REVISION

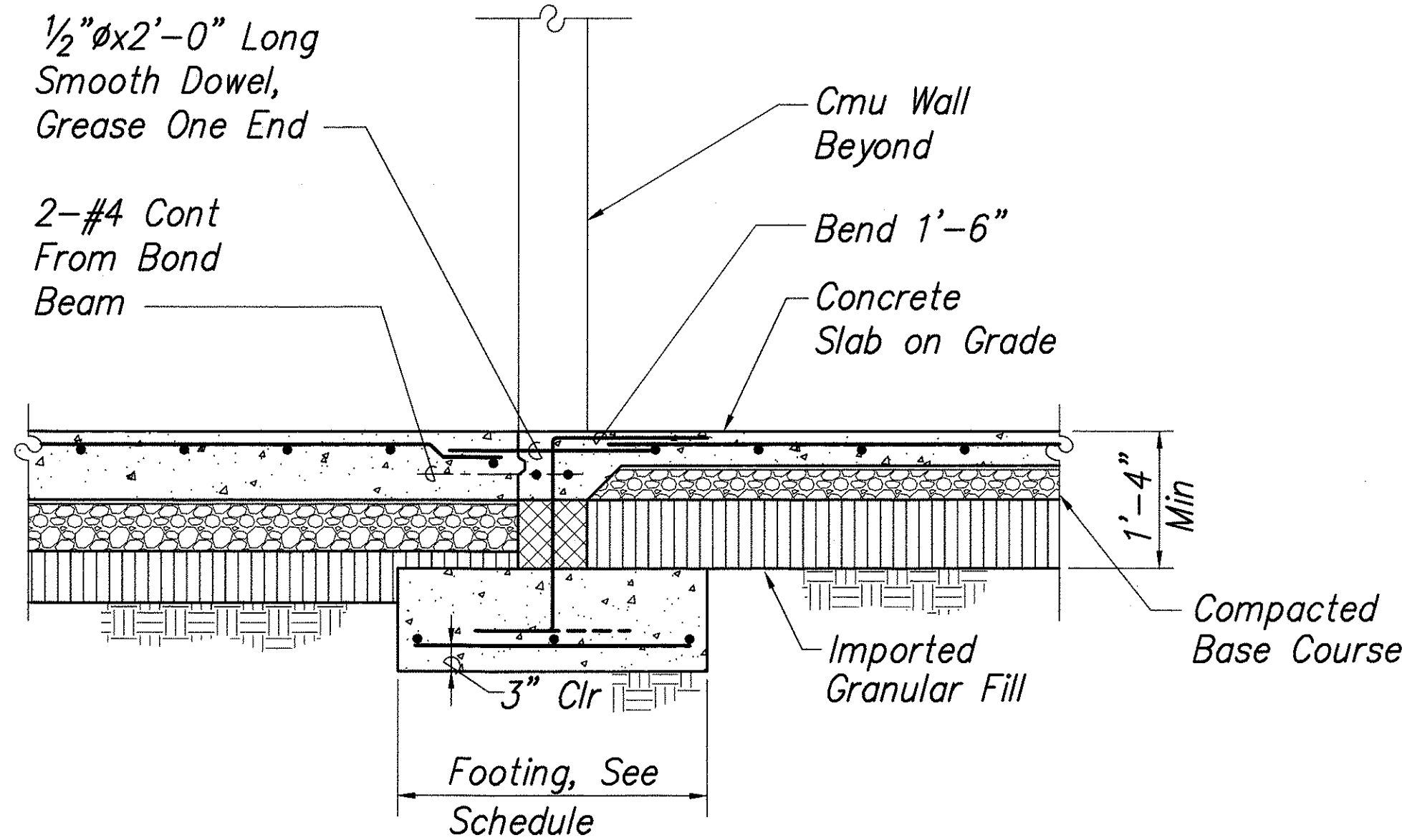
S2.1



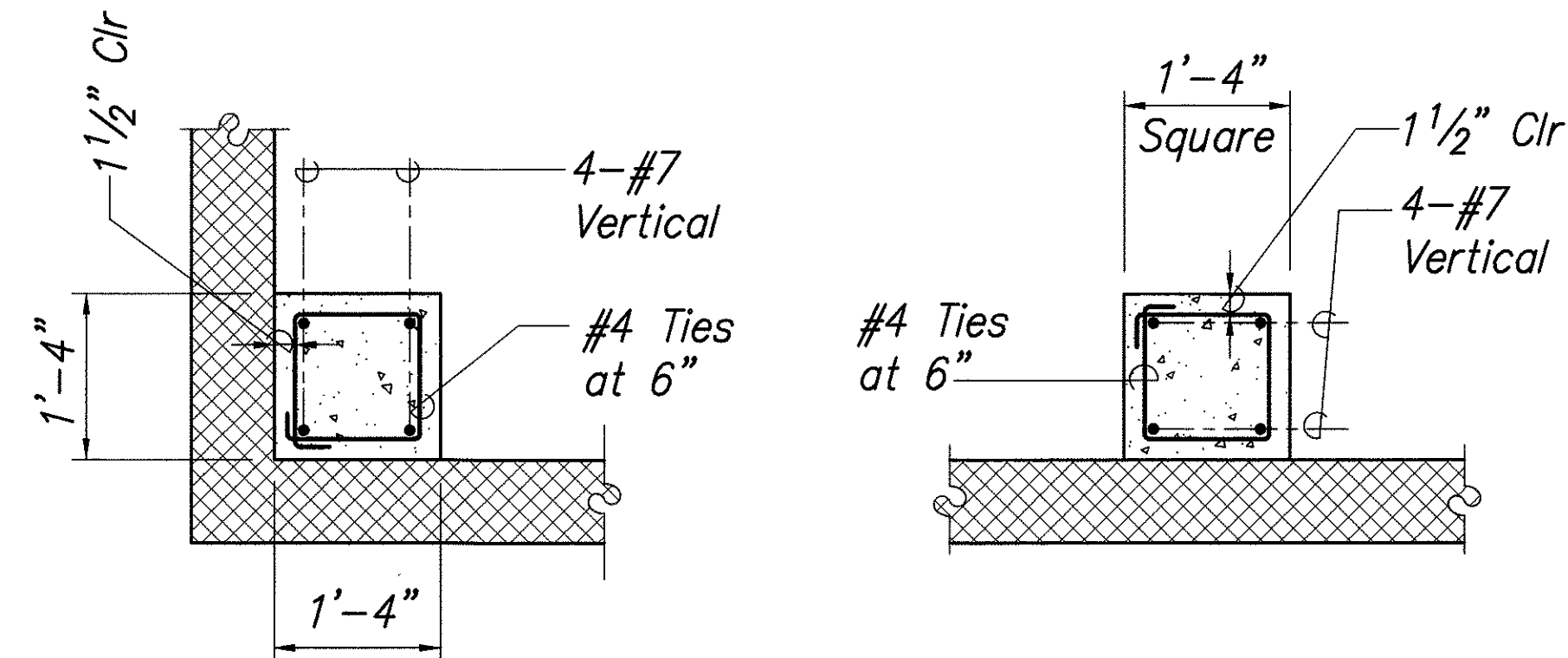
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
BUILDING A- FOUNDATION DETAILS	
OAHU DISTRICT WAREHOUSE BUILDING	
Project No. HWY-0-05-98	
SCALE: AS NOTED	DATE: APRIL 2000
SHEET No. S2.1 OF 116 SHEETS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	75	116



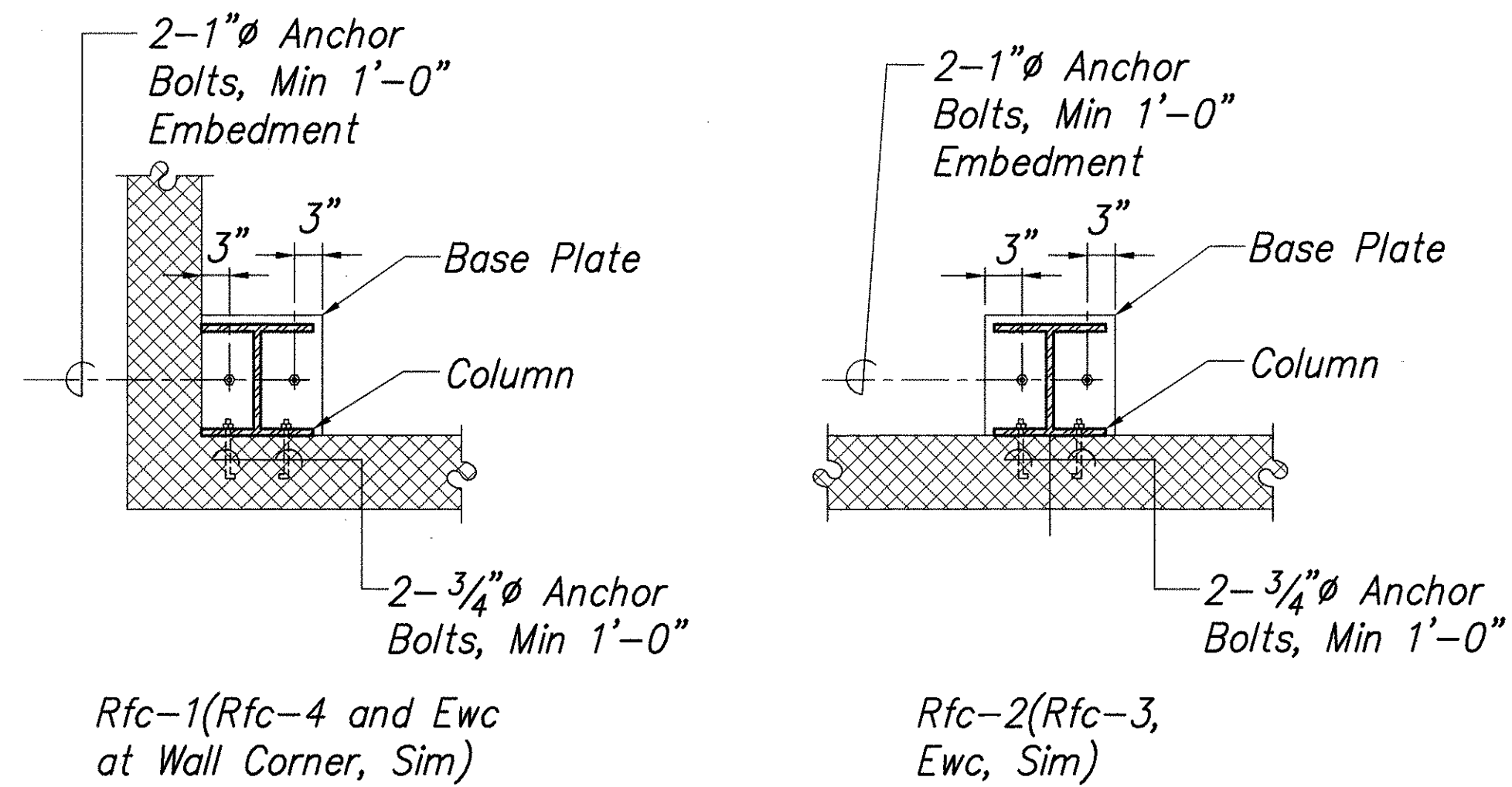
SECTION 1
Scale $\frac{3}{4}" = 1'-0"$ S2.3 S2.2



Rfc-1(Rfc-4 and Ewc at Wall Corner, Sim)

Rfc-2(Rfc-3, Ewc, Sim)

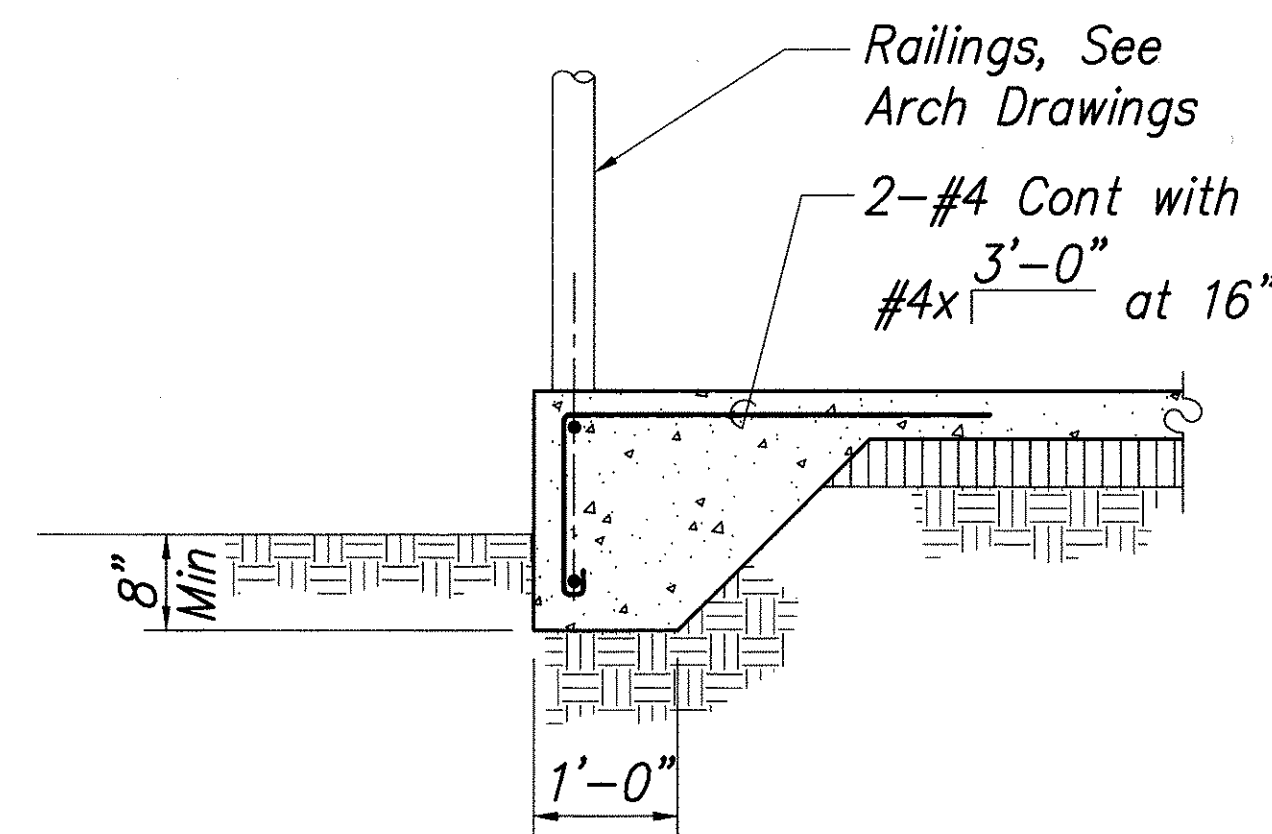
SECTION 3
Scale $\frac{3}{4}" = 1'-0"$ S2.0 S2.2



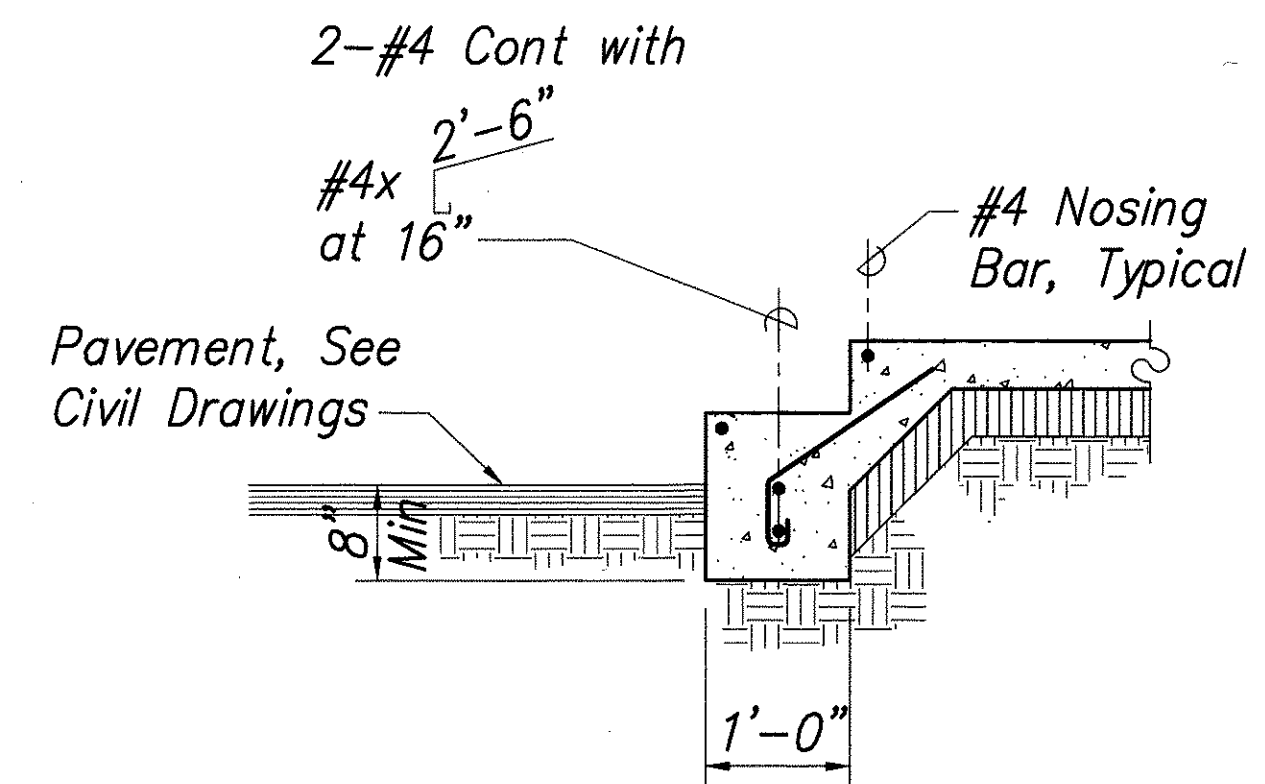
Rfc-1(Rfc-4 and Ewc at Wall Corner, Sim)

Rfc-2(Rfc-3, Ewc, Sim)

SECTION 2
Scale $\frac{3}{4}" = 1'-0"$ S2.0 S2.2

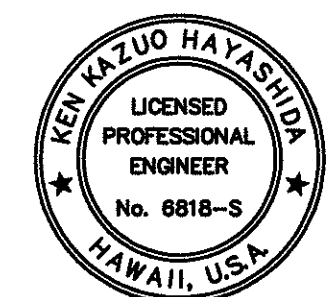


SECTION 4
Scale $\frac{3}{4}" = 1'-0"$ S2.3 S2.2



SECTION 5
Scale $\frac{3}{4}" = 1'-0"$ S2.3 S2.2

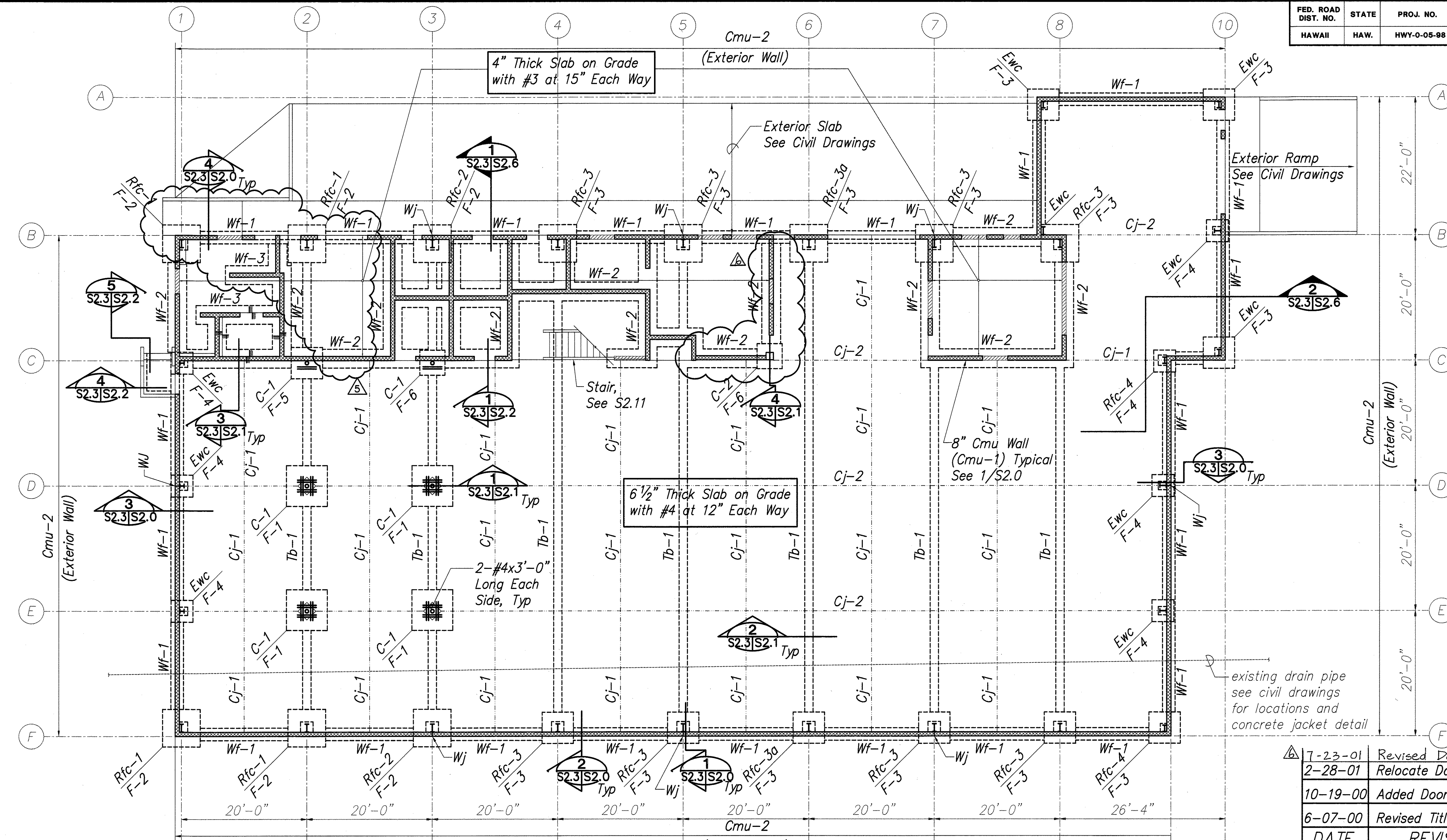
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NO. 1	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
	CHECKED BY	



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S2.2

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
BUILDING A-
FOUNDATION DETAILS
OAHU DISTRICT BASEYARD
FACILITIES
Project No. HWY-0-05-98
SCALE: AS NOTED DATE: APRIL 2000
SHEET No. S2.2 OF 116 SHEETS



DATE	REVISION
7-23-01	Revised Door Type
2-28-01	Relocate Door Opening
10-19-00	Added Door Opening
6-07-00	Revised Title Block

S2.3

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**BUILDING A-
FOUNDATION PLAN**

OAHU DISTRICT WAREHOUSE
BUILDING
Project No. HWY-0-05-98

SCALE: AS NOTED DATE: APRIL 2000
SHEET No. S2.3 OF 116 SHEETS

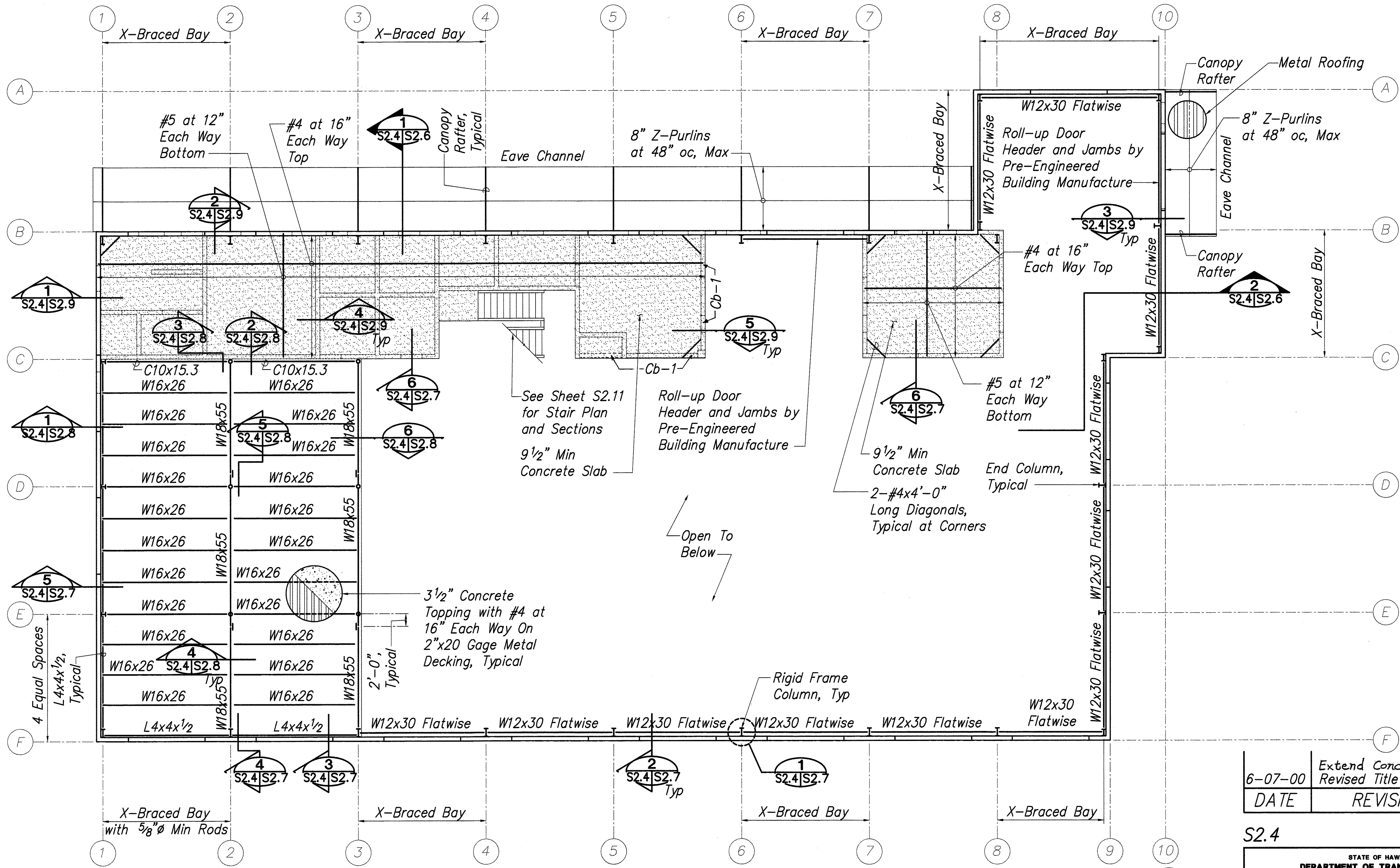
DATE
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
NOTED BY
CHECKED BY
No.

- Legend:**
- Wf-1 Indicates wall footing type, See footing schedule on sheet S2.0
F-1 Indicates column footing type, See footing schedule on sheet S2.0
Tb-1 Indicates tie beam type, See 2/S2.1
Cj-1 Indicates slab joint type, See 2/S1.2
Cmu-1 Indicates cmu wall type, See wall schedule
C-1 Indicates column type
- Rfc-1 Indicates rigid frame column type
Ewc Indicates end wall column
Wj Indicates wall joint, See 3/S1.3
Indicates full height cmu walls
Indicates partial height cmu walls
Indicates change in slab elevation, See Architectural Drawings

- Notes:**
1. See Architectural Drawings for dimensions not shown on Structural Drawings.
 2. See foundation notes on sheet S1.0 for subgrade and slab on grade preparation.
 3. Thickness of slabs on grade shown is minimum and shall be maintained at all sloped and depressed areas.
 4. See Civil, Architectural, Mechanical and Electrical Drawings for extent and locations of depressed slabs, slopes to drain, finish floor elevations and equipment pads.
 5. See Architectural Drawings for fireproofing and waterproofing requirements and details.
 6. All 8" Cmu walls shall be Cmu-1, U.N.O.
 7. All Footings shall be Wf-2, U.N.O.
- FOUNDATION PLAN**
Scale: 1/8" = 1'-0"



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	ADD. 77	116



ORIGINAL PLAN	DATE
NO. _____	_____
DESIGNED BY	DATE
CHECKED BY	_____
QUANTITIES BY	_____
TRACED BY	_____
REVISIONS	_____

MEZZANINE / LOW ROOF FRAMING PLAN
Scale: 1/8" = 1'-0"

6-07-00	Extend Concrete Beam Revised Title Block
DATE	REVISION

S2.4

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

BUILDING A-

MEZZANINE/LOW ROOF

FRAMING PLAN

OAHU DISTRICT WAREHOUSE

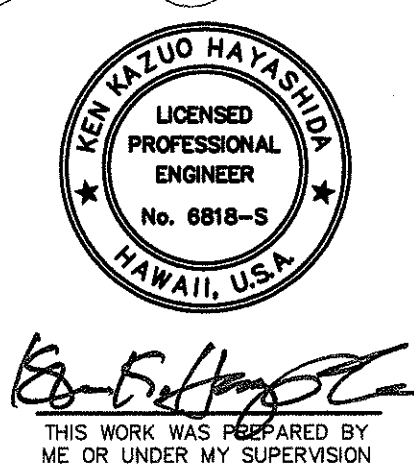
BUILDING

Project No. HWY-0-05-98

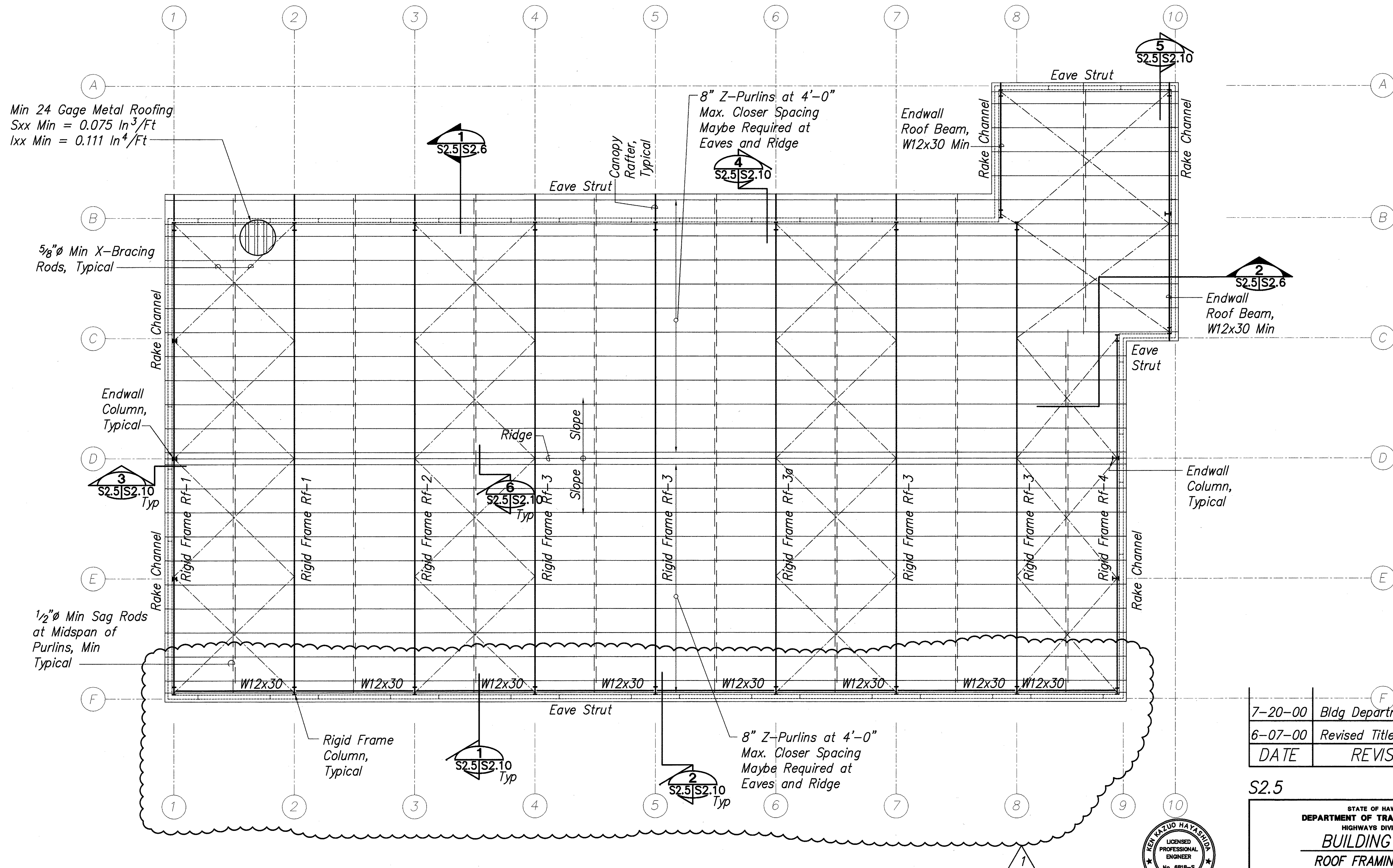
SCALE: AS NOTED

DATE: APRIL 2000

SHEET No. S2.4 OF 116 SHEETS



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	C.O. 78	116



ROOF FRAMING PLAN
Scale: 1/8" = 1'-0"

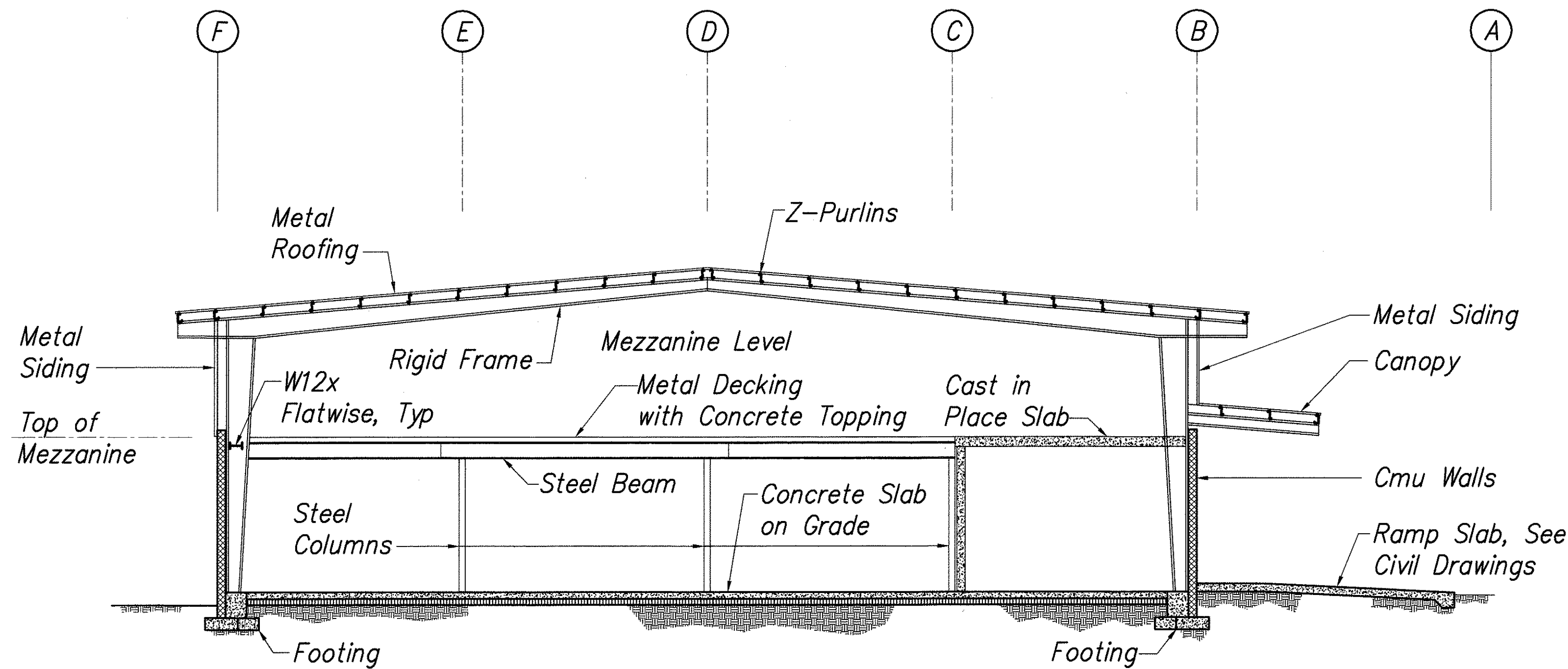
7-20-00	Bldg Department Comments
6-07-00	Revised Title Block
DATE	REVISION

S2.5

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
BUILT BY
BUILT FOR
PROJECT NO. HWY-0-05-98
SCALE: AS NOTED
DATE: APRIL 2000

BUILT BY
BUILT FOR
PROJECT NO. HWY-0-05-98
SCALE: AS NOTED
DATE: APRIL 2000

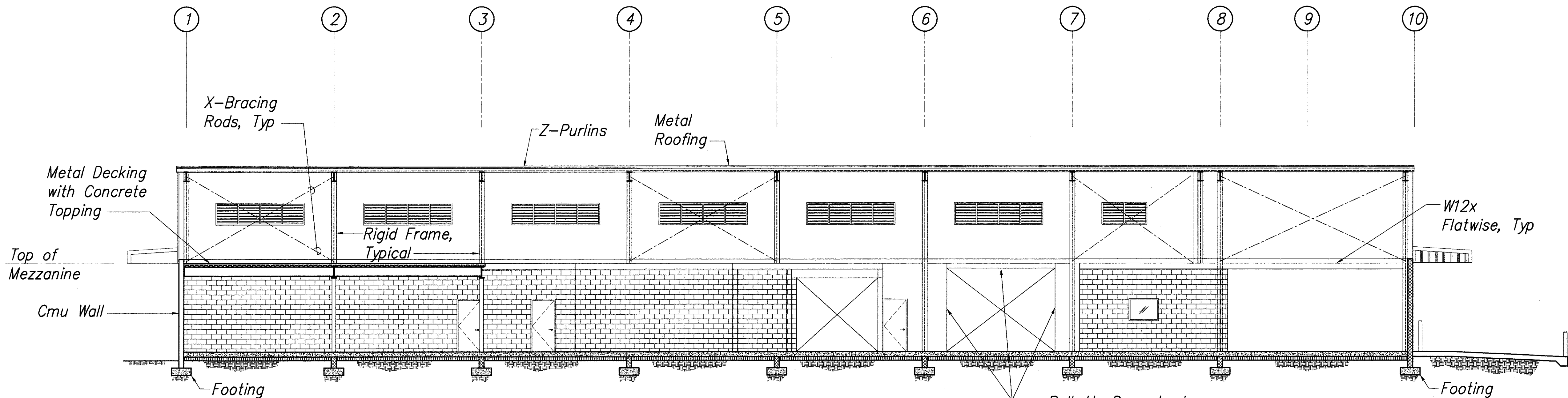
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	79	116



BUILDING SECTION

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

1
S2.4 | S2.6

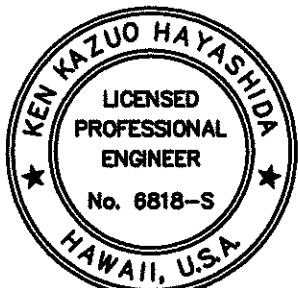


BUILDING SECTION

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

2
S2.4 | S2.6

S2.6



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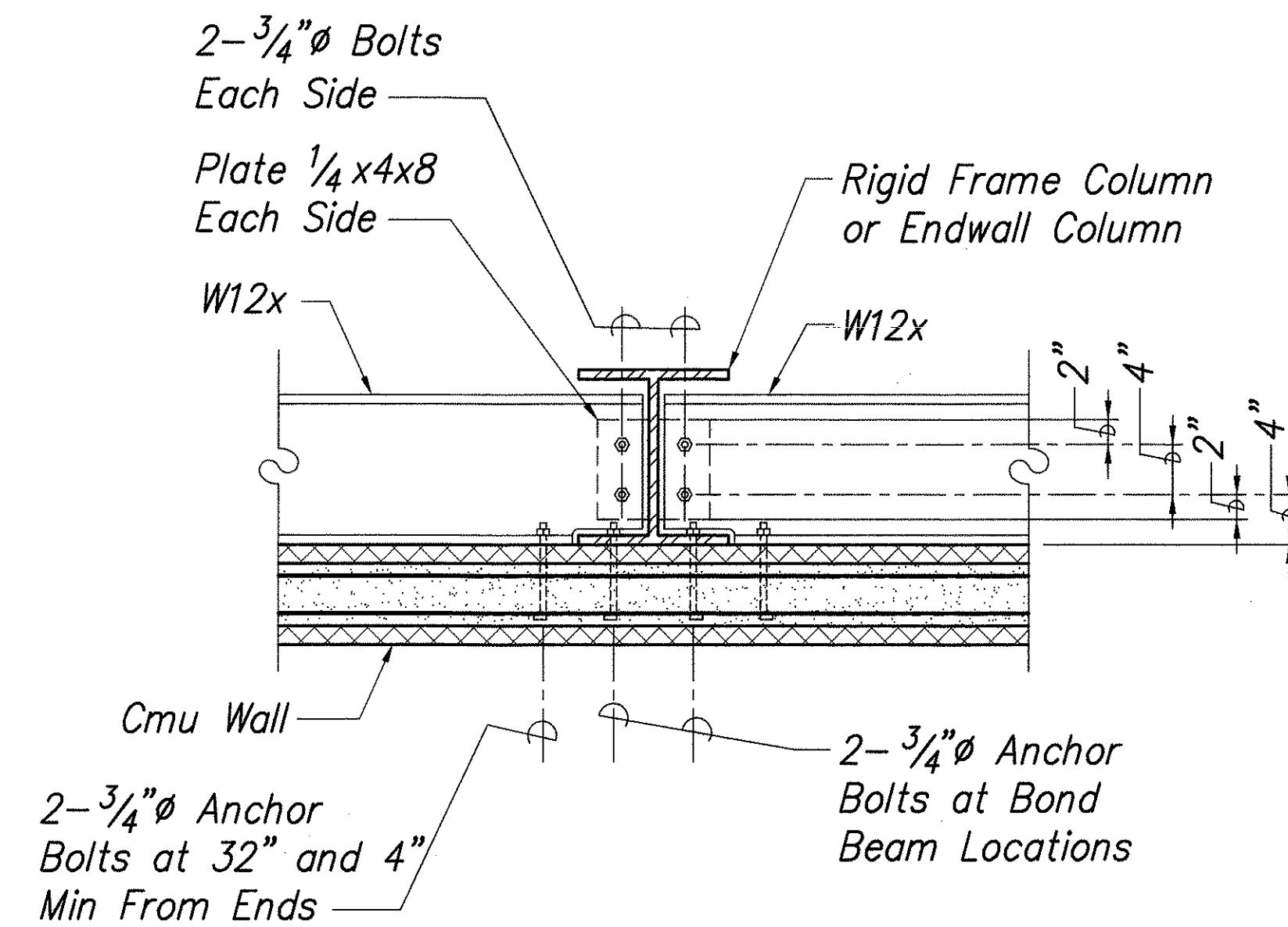
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**BUILDING A-
BUILDING SECTIONS**

**OAHU DISTRICT BASEYARD
FACILITIES**
Project No. HWY-0-05-98

SCALE: AS NOTED DATE: APRIL 2000

SHEET No. S2.6 OF 116 SHEETS

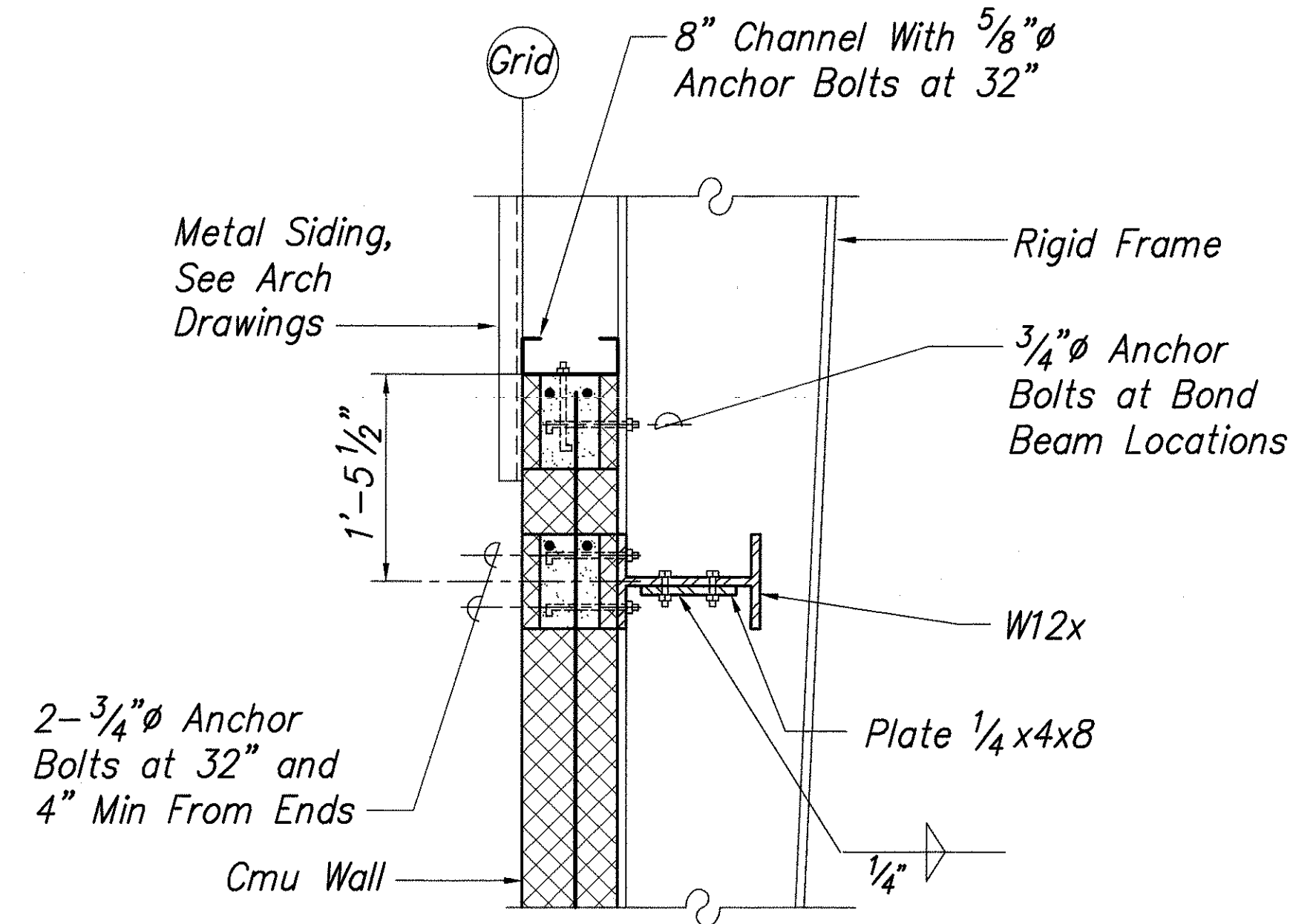
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	80	116



TYPICAL COLUMN PLAN

Scale: 1" = 1'-0"

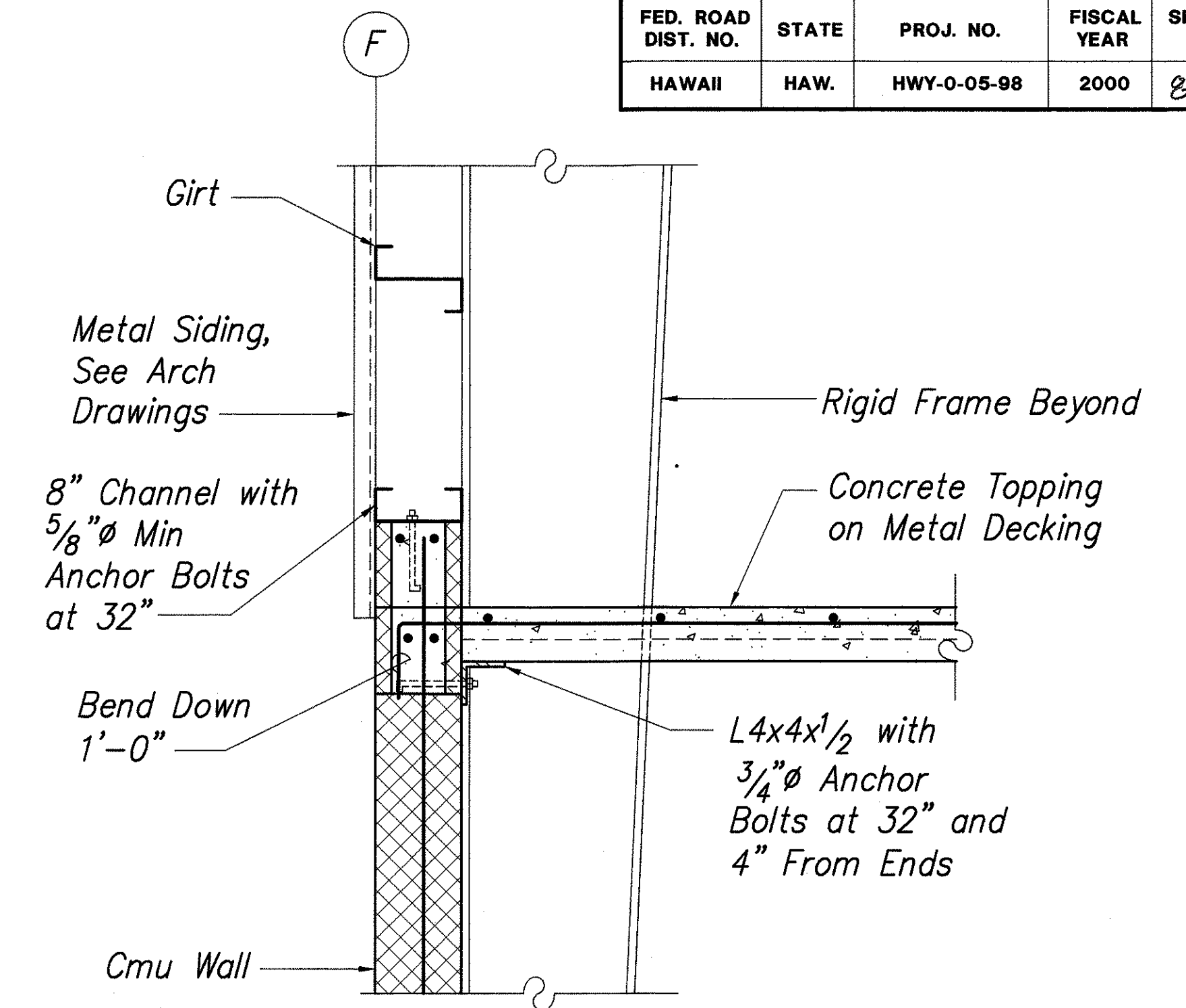
1
S2.4 S2.7



SECTION

Scale: 1" = 1'-0"

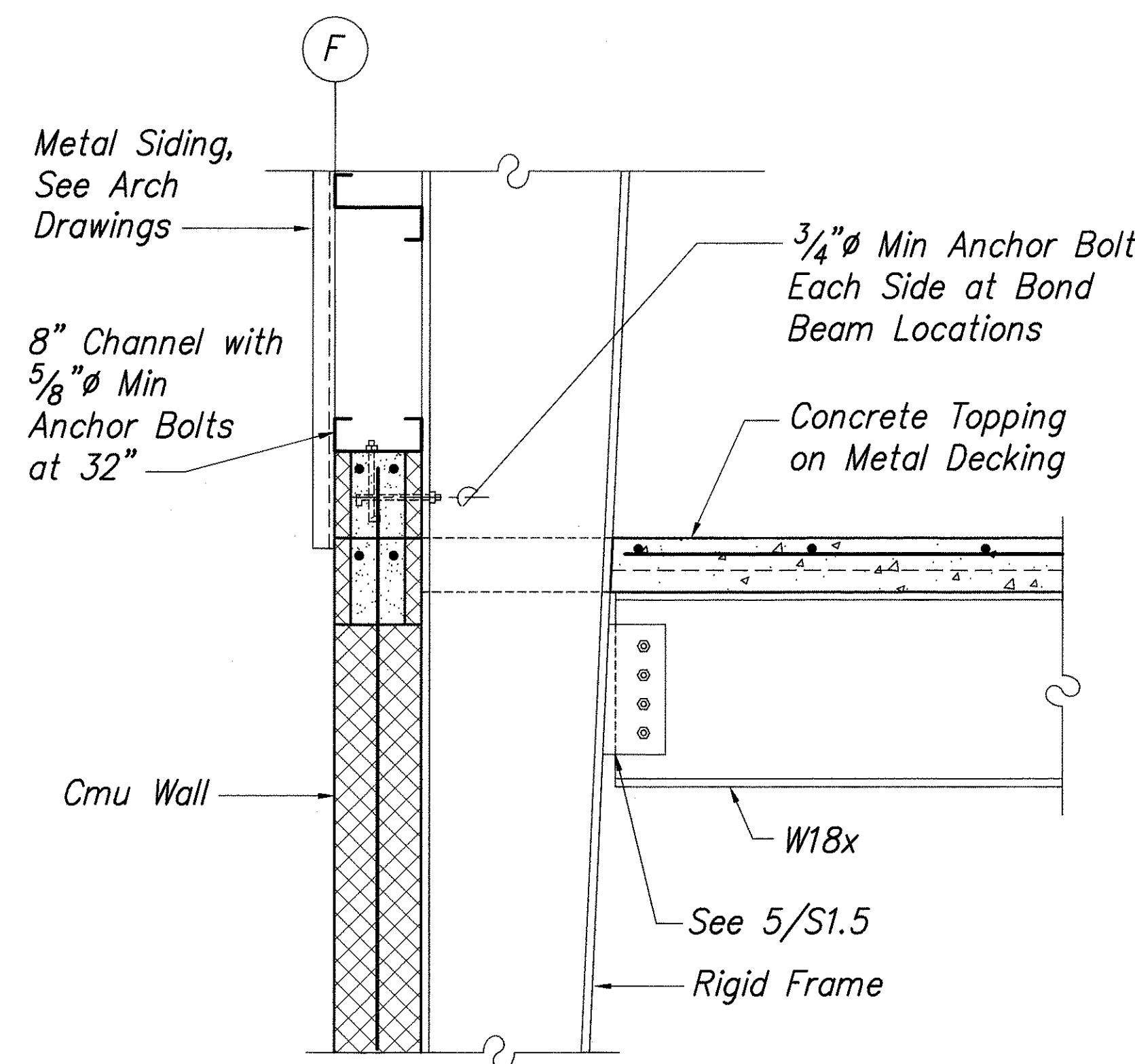
2
S2.4 S2.7



SECTION

Scale: 1" = 1'-0"

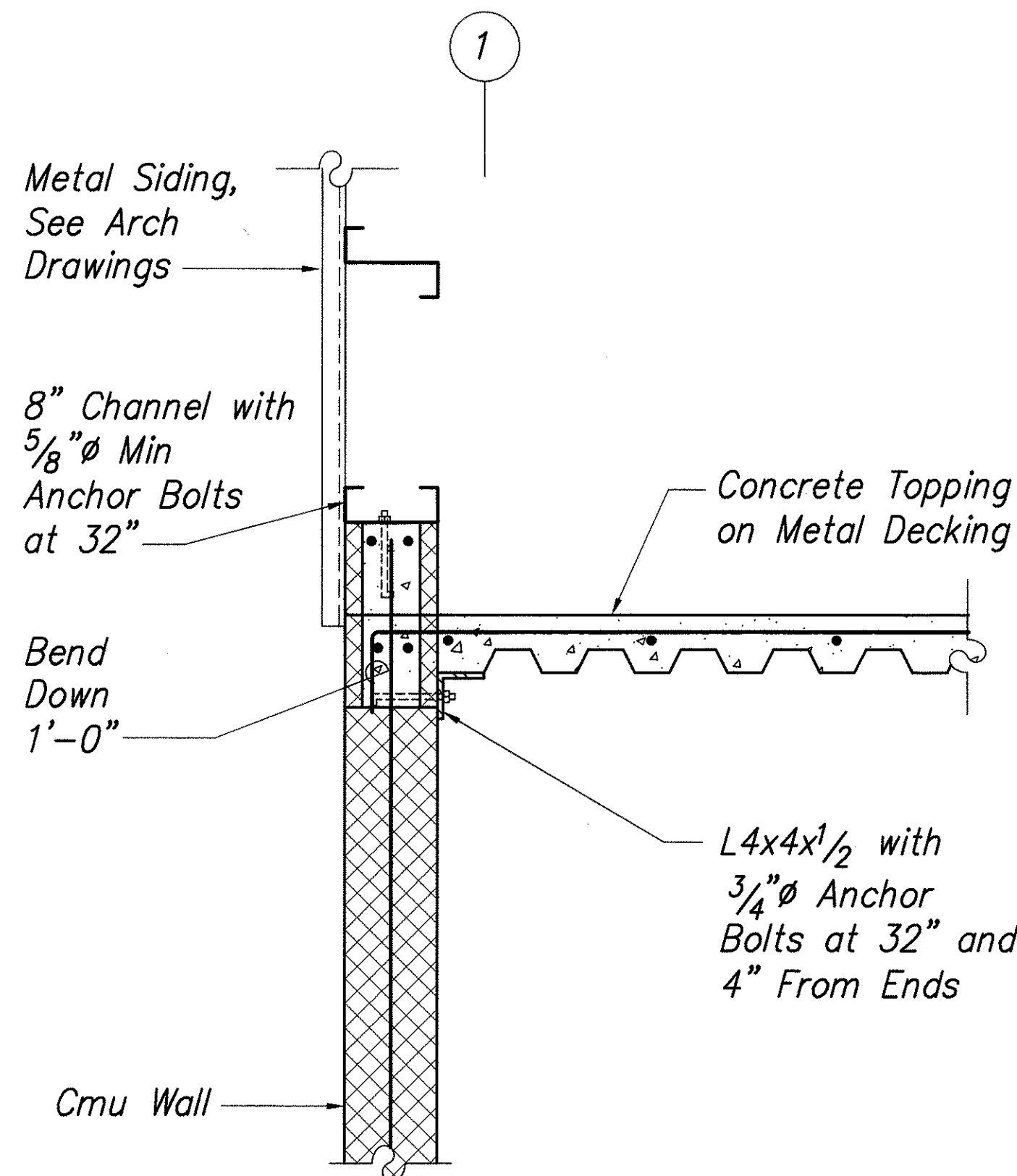
3
S2.4 S2.7



SECTION

Scale: 1" = 1'-0"

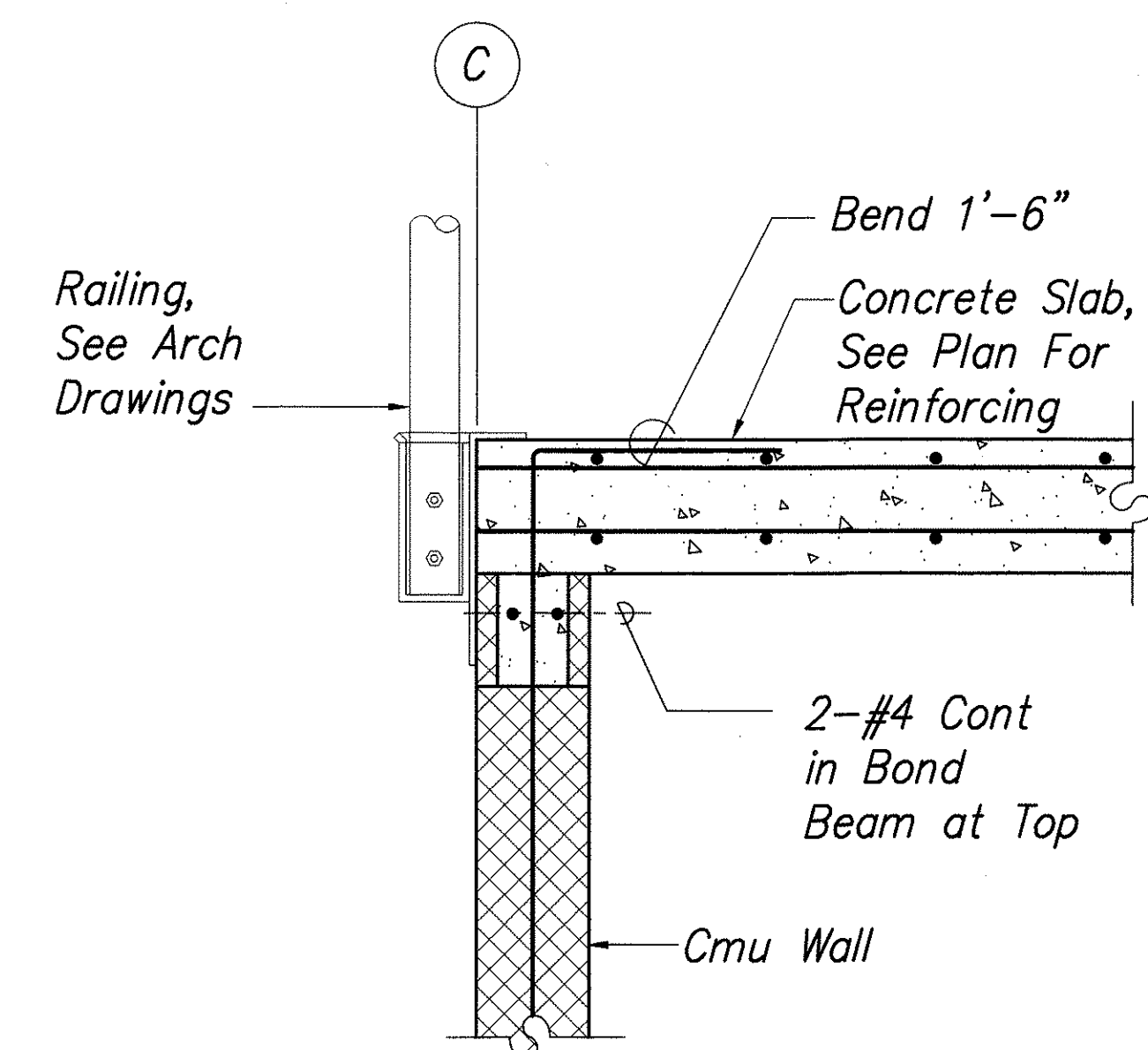
4
S2.4 S2.7



SECTION

Scale: 1" = 1'-0"

5
S2.4 S2.7

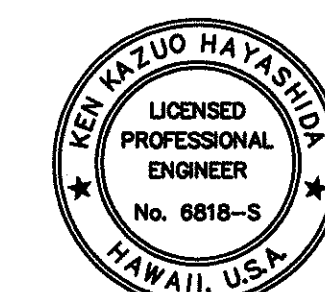


SECTION

Scale: 1" = 1'-0"

6
S2.4 S2.7

S2.7

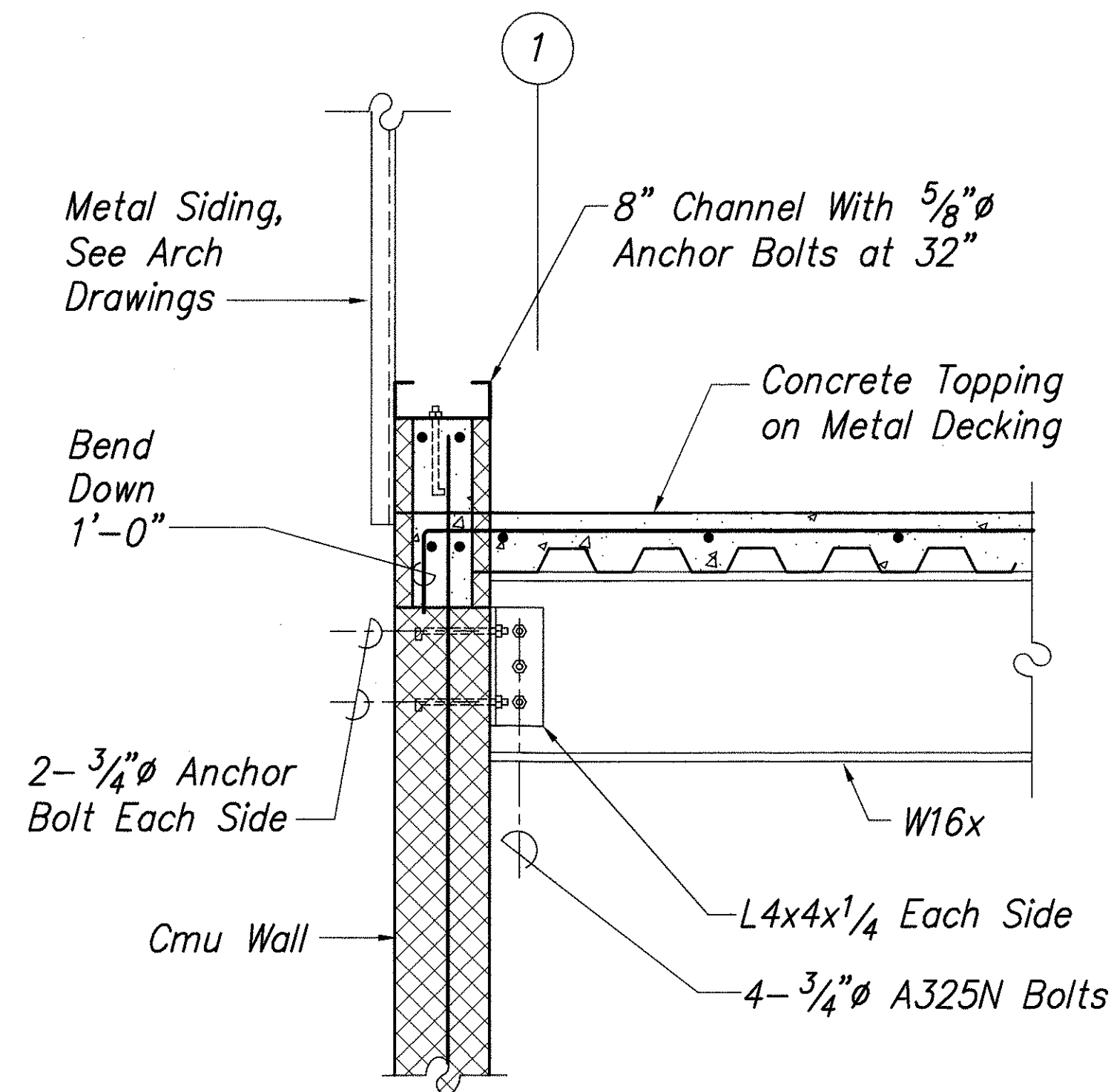


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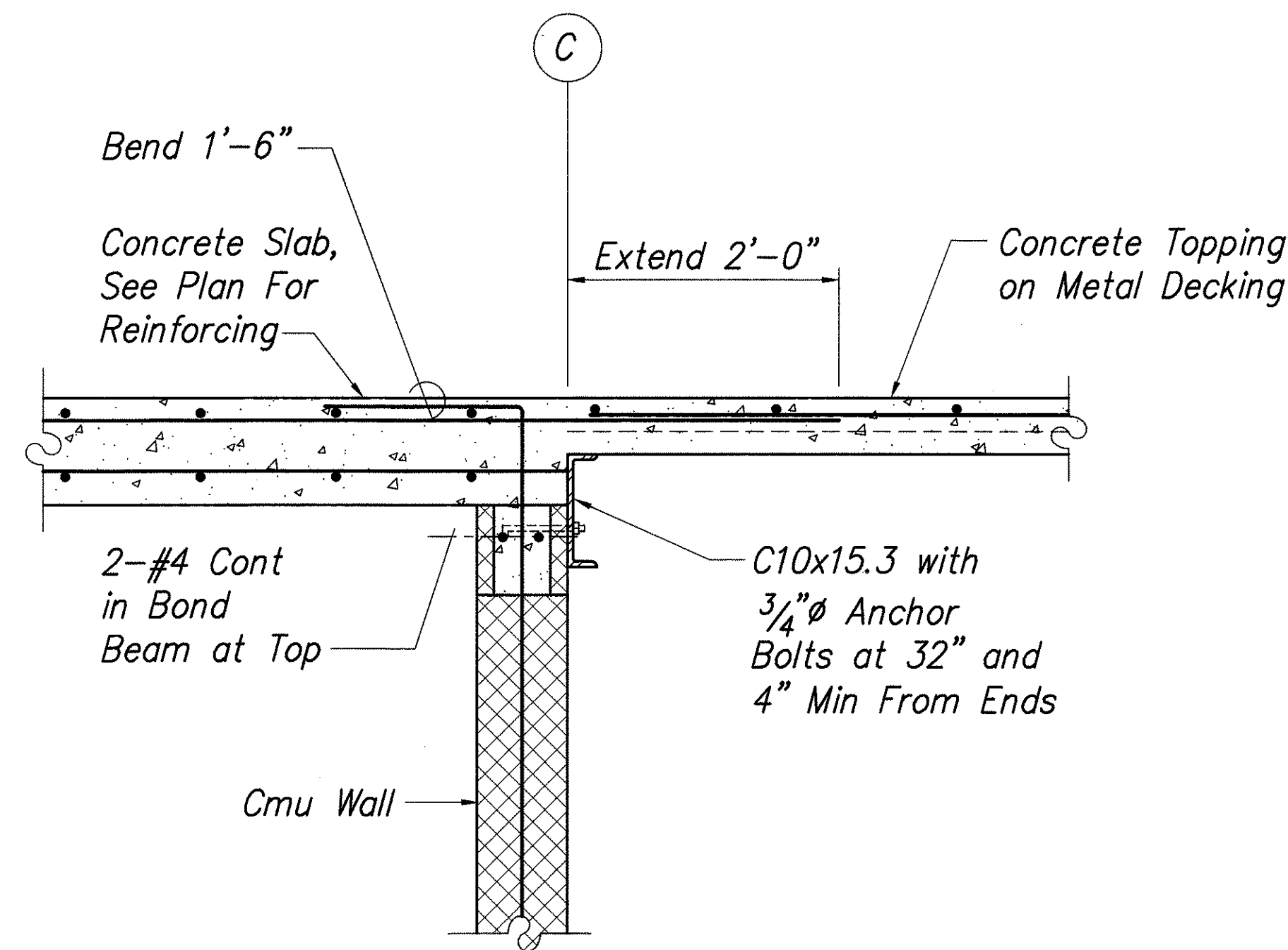
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
BUILDING A- MEZZANINE DETAIL	
OAHU DISTRICT BASEYARD FACILITIES	
Project No. HWY-0-05-98	
SCALE: AS NOTED	DATE: APRIL 2000
SHEET No. S2.7 OF 116 SHEETS	

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

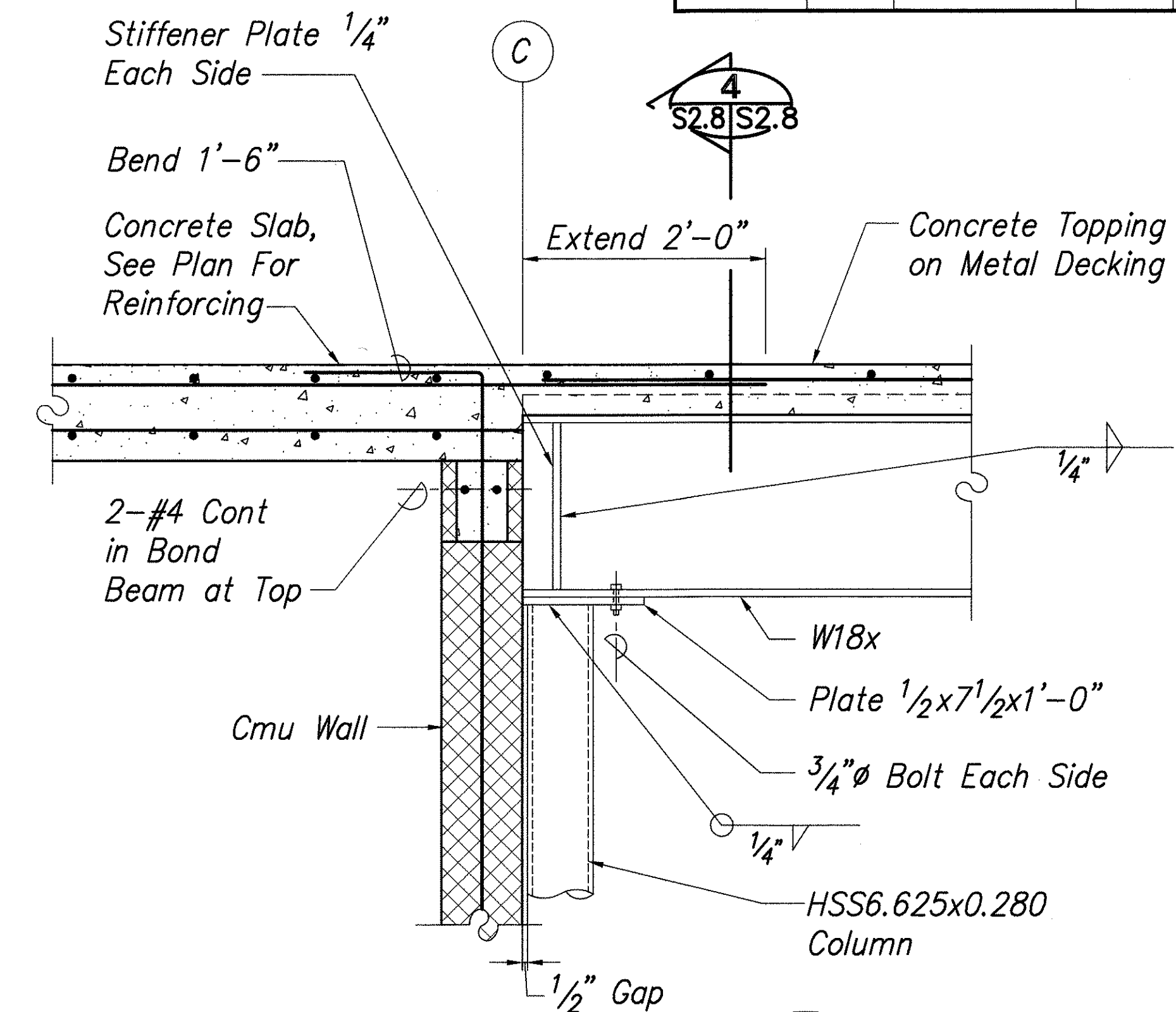
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	31	116



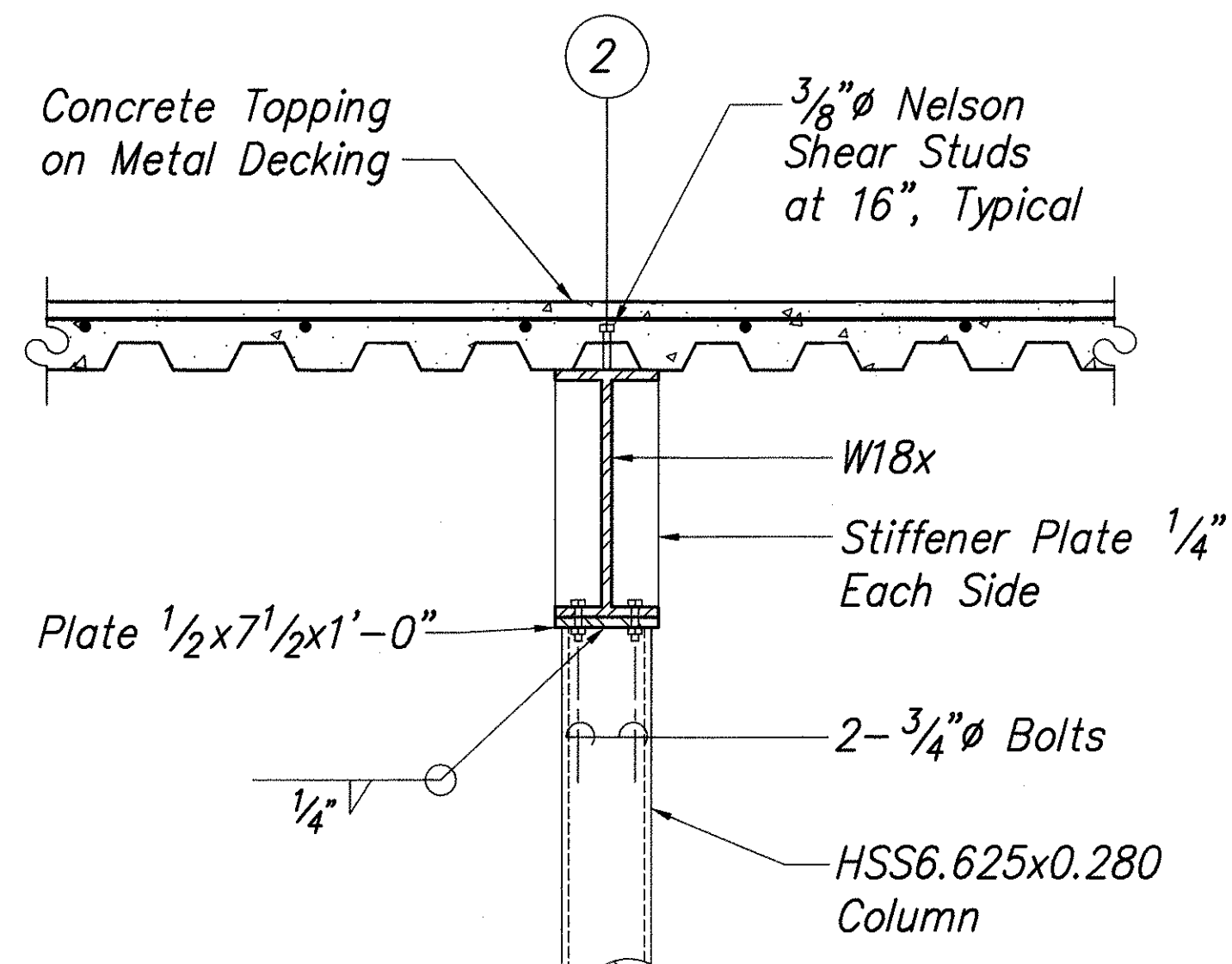
SECTION 1
Scale: 1" = 1'-0"
S2.4 | S2.8



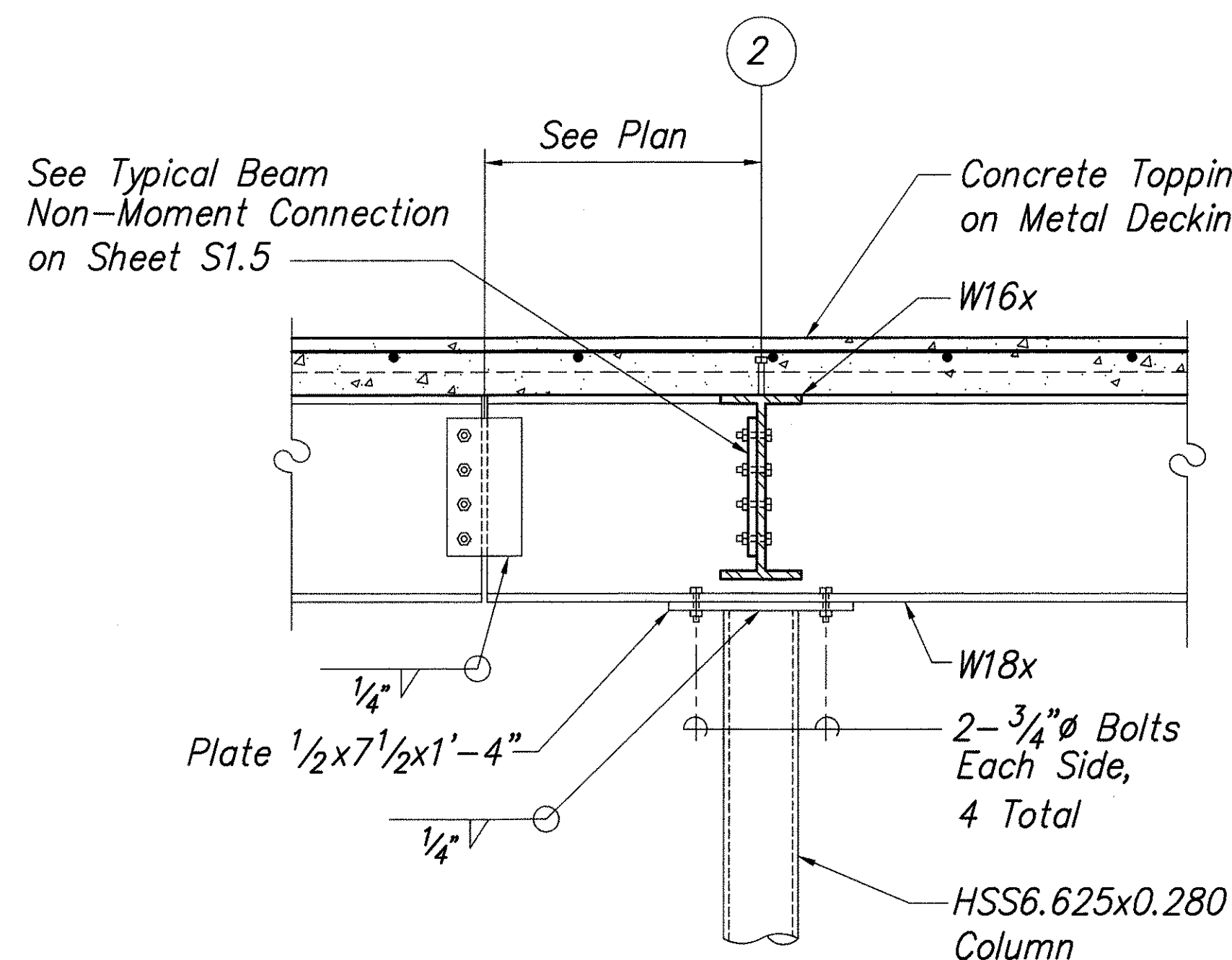
SECTION 2
Scale: 1" = 1'-0"
S2.4 | S2.8



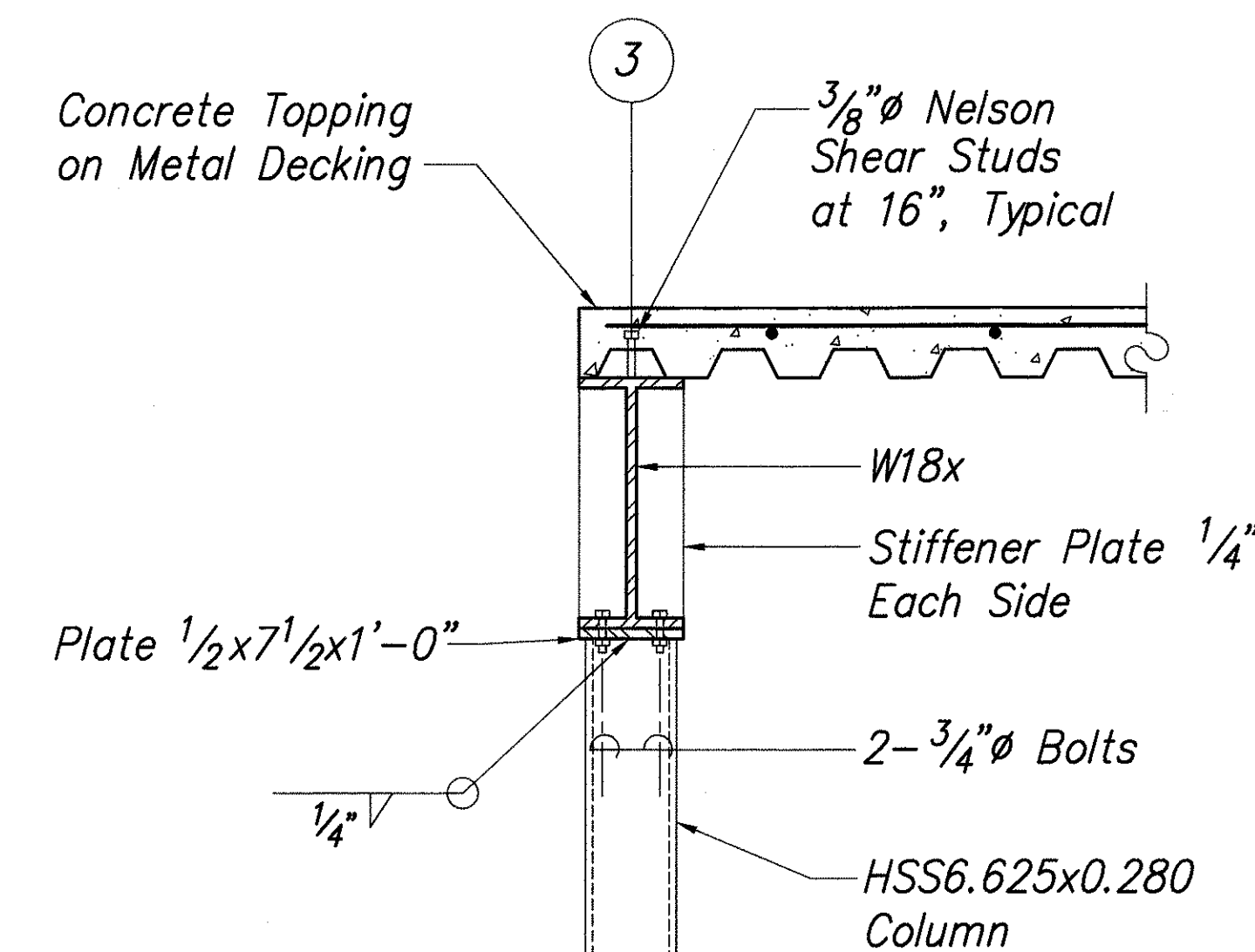
SECTION 3
Scale: 1" = 1'-0"
S2.4 | S2.8



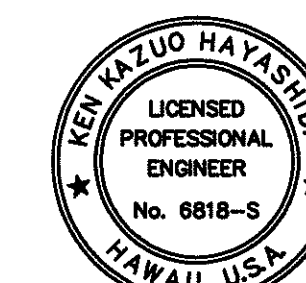
SECTION 4
Scale: 1" = 1'-0"
S2.4 | S2.8



SECTION 5
Scale: 1" = 1'-0"
S2.4 | S2.8



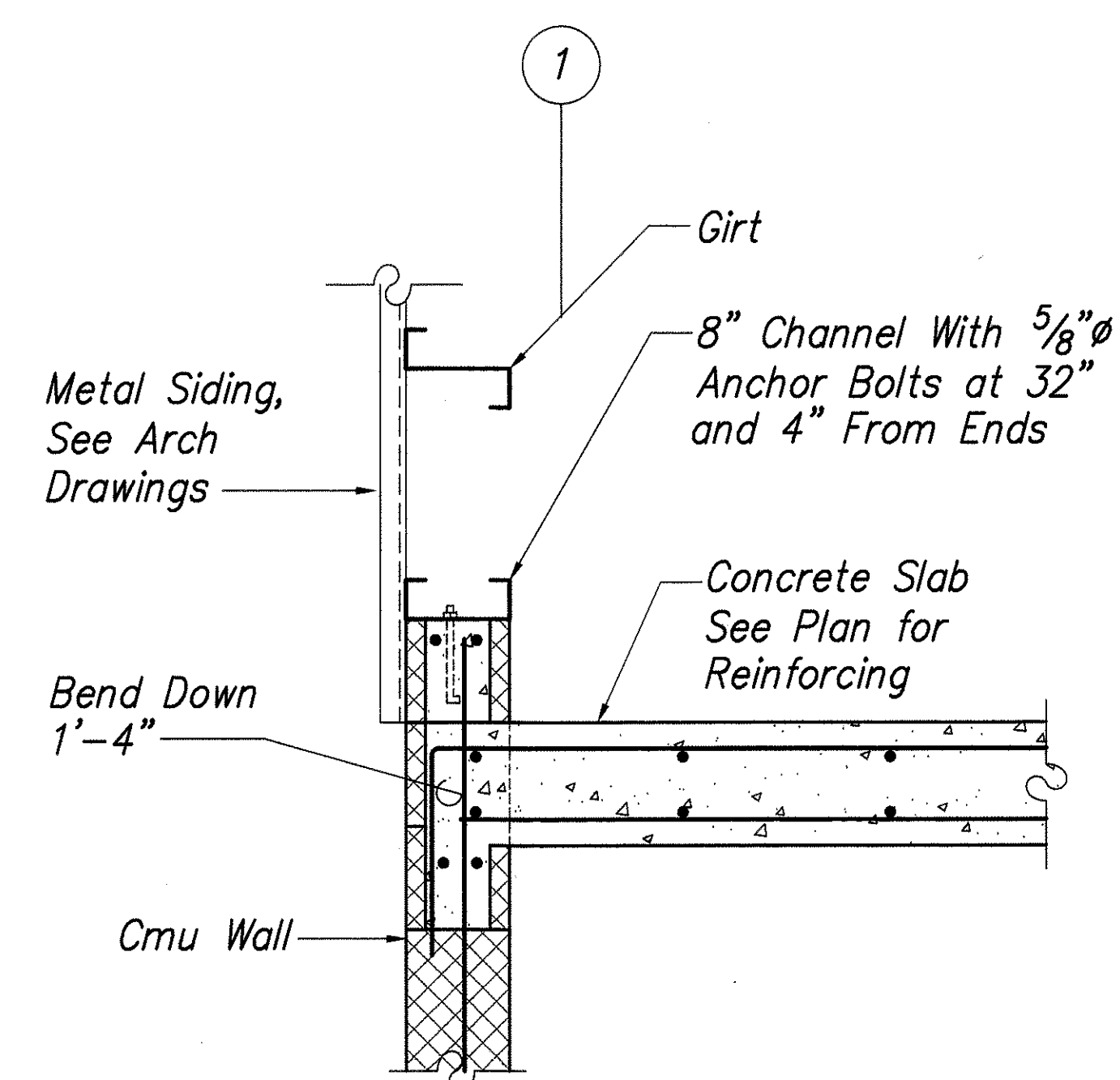
SECTION 6
Scale: 1" = 1'-0"
S2.4 | S2.8



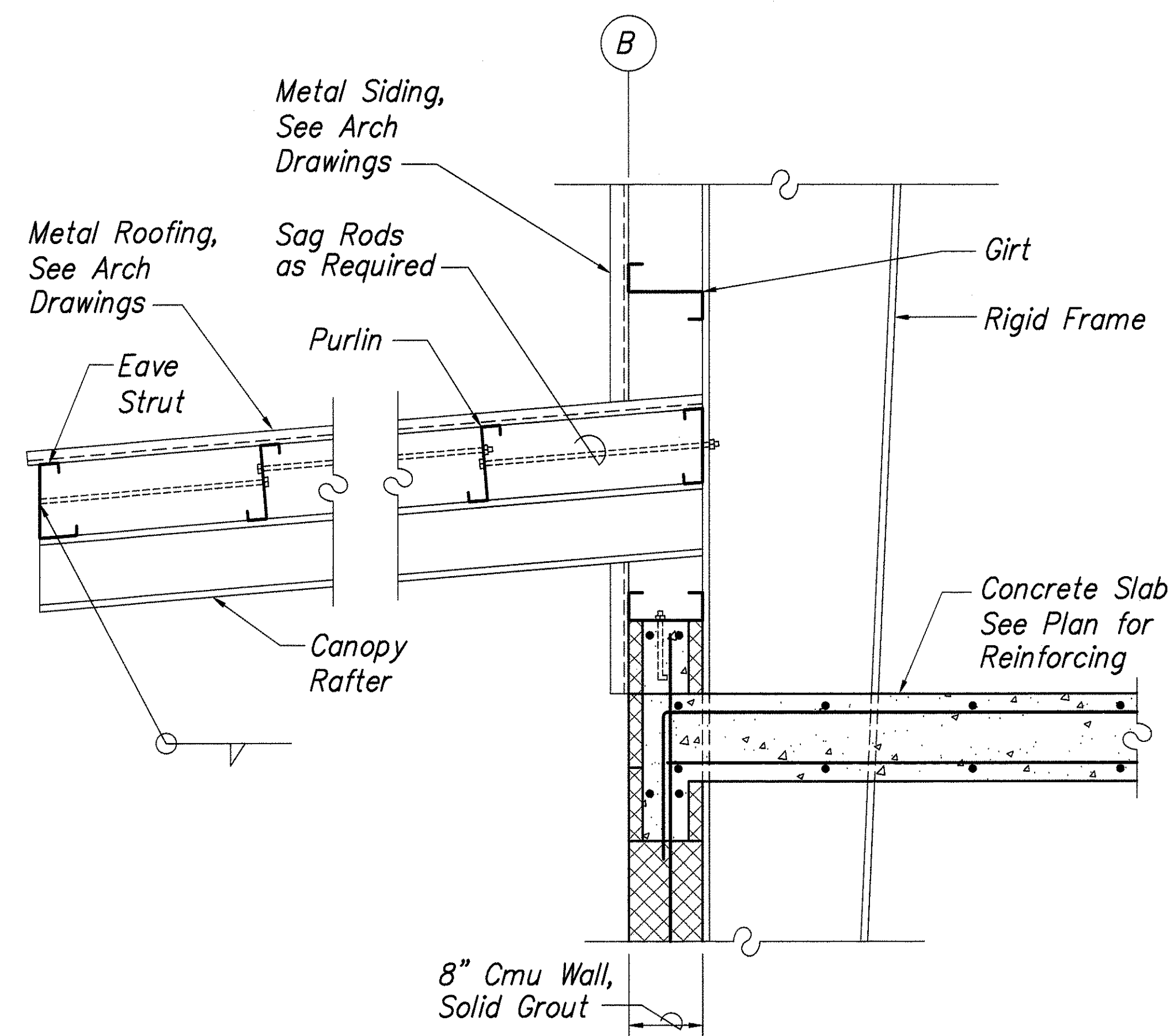
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**BUILDING A-
MEZZANINE DETAIL**
OAHU DISTRICT BASEYARD
FACILITIES
Project No. HWY-0-05-98
SCALE: AS NOTED DATE: APRIL 2000
SHEET No. S2.8 OF 116 SHEETS

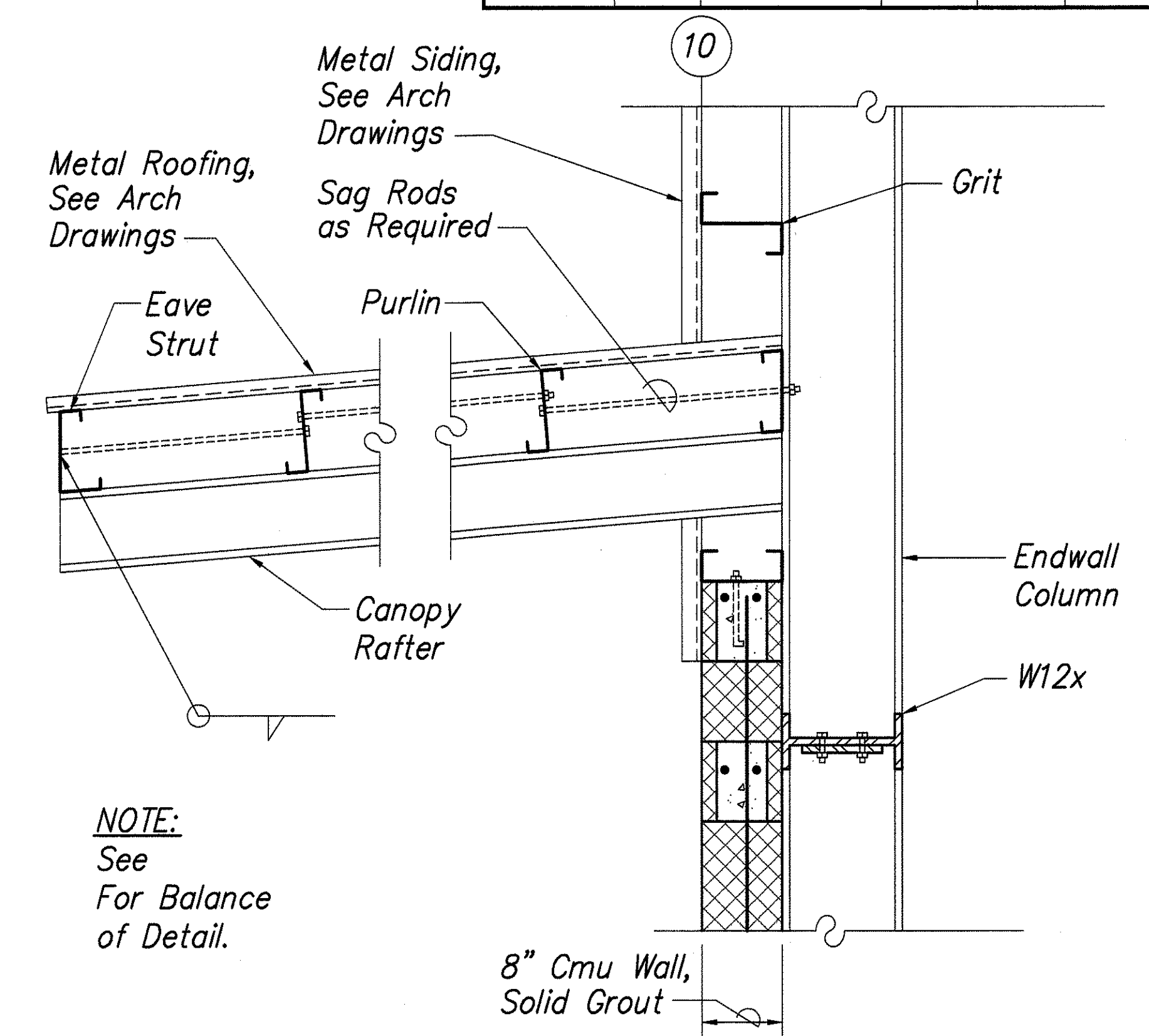
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	ADD. 82	116



SECTION 1
Scale: 1" = 1'-0"
S2.4 S2.9

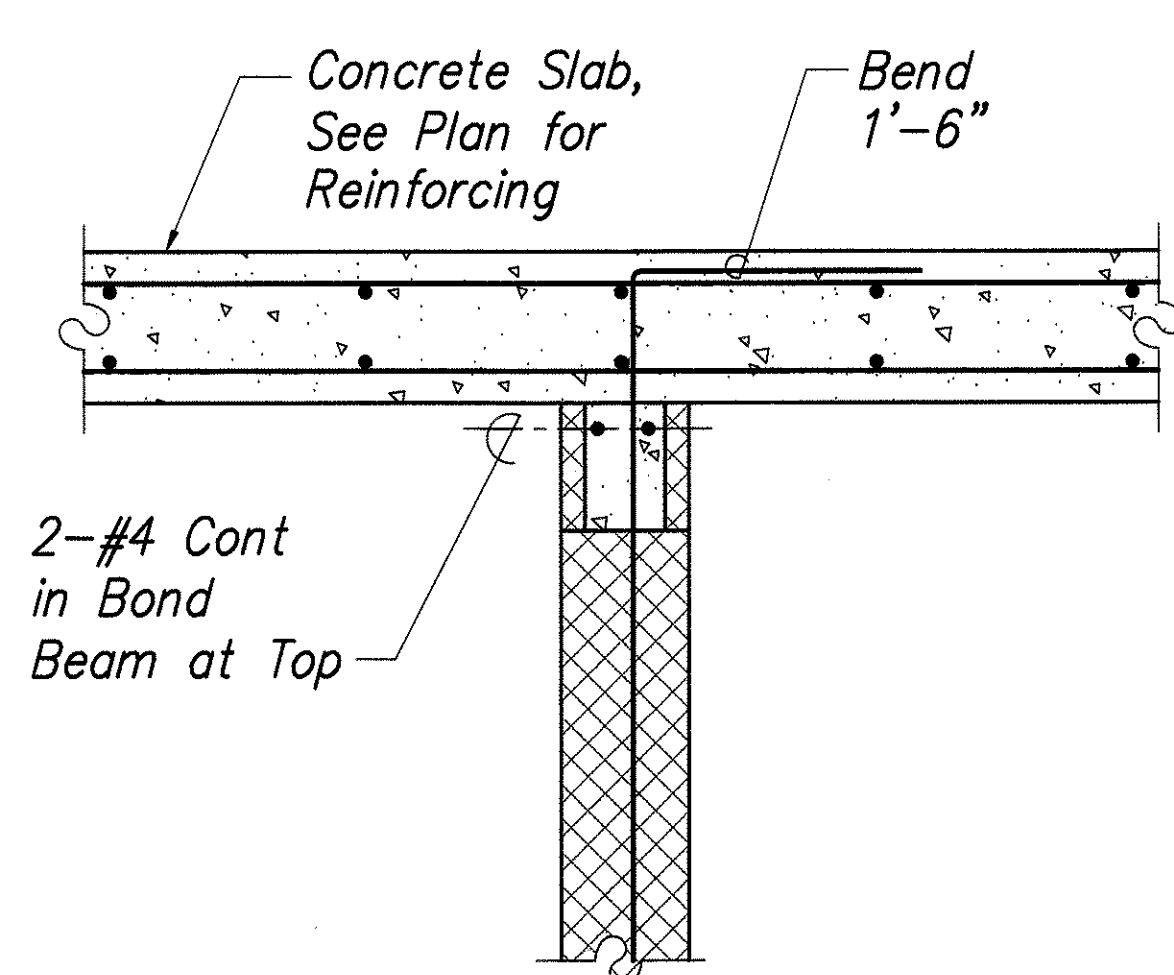


SECTION 2
Scale: 1" = 1'-0"
S2.4 S2.9

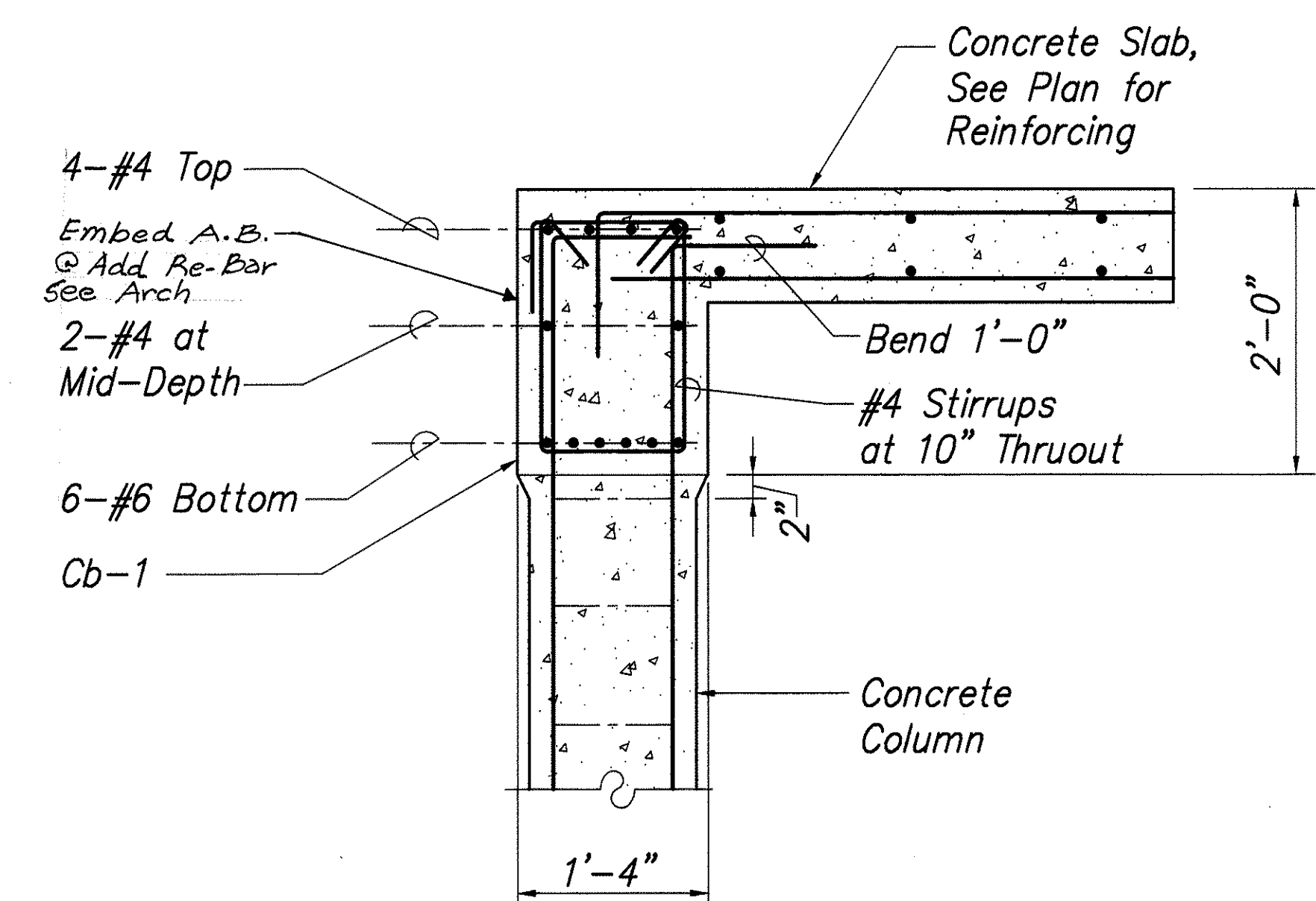


NOTE:
See
For Balance
of Detail.

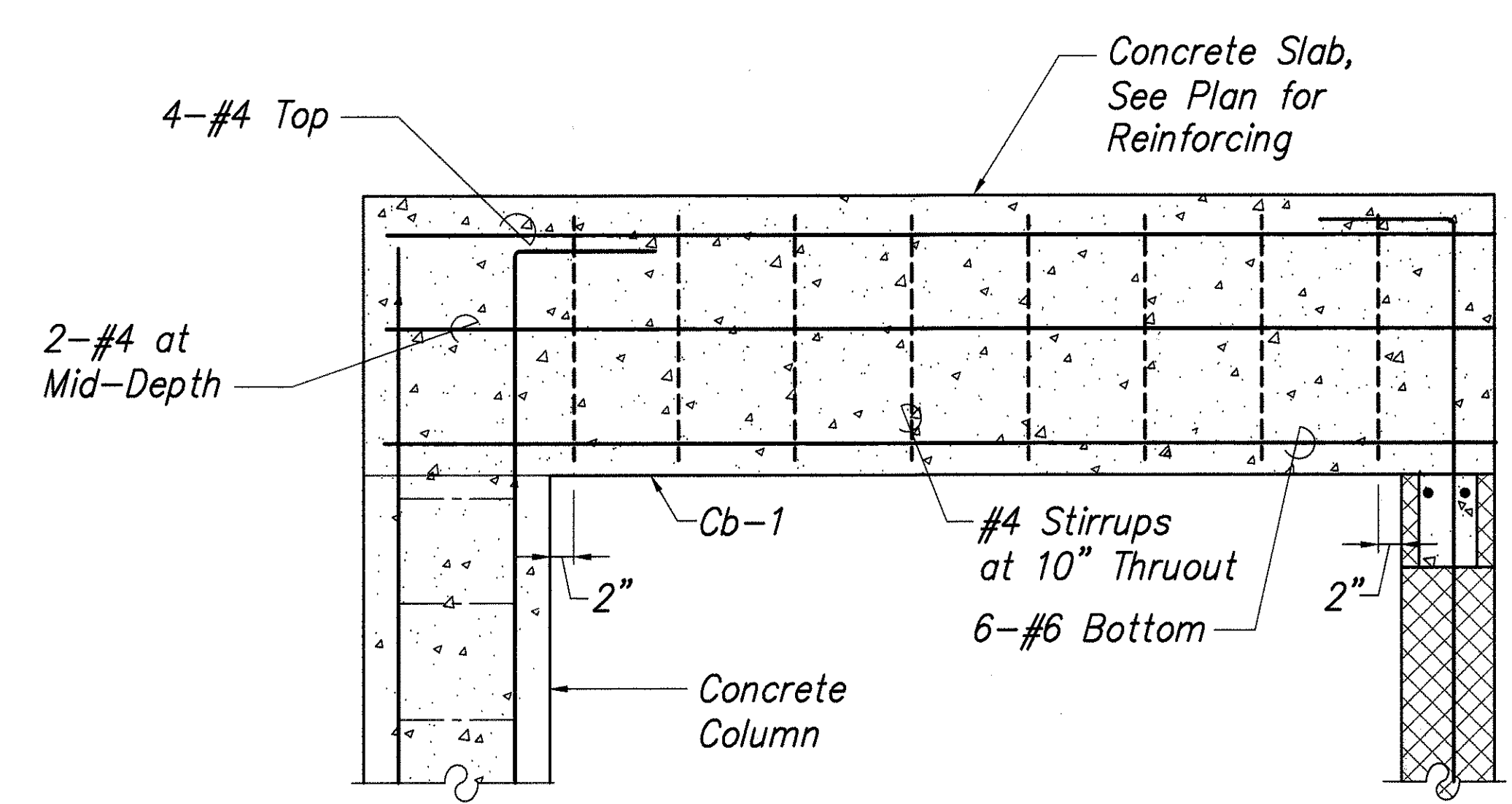
SECTION 3
Scale: 1" = 1'-0"
S2.4 S2.9



SECTION 4
Scale: 1" = 1'-0"
S2.4 S2.9



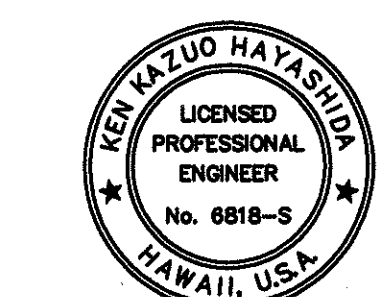
SECTION 5
Scale: 1" = 1'-0"
S2.4 S2.9



BEAM ELEVATION 6
Not to Scale
S2.9 S2.9

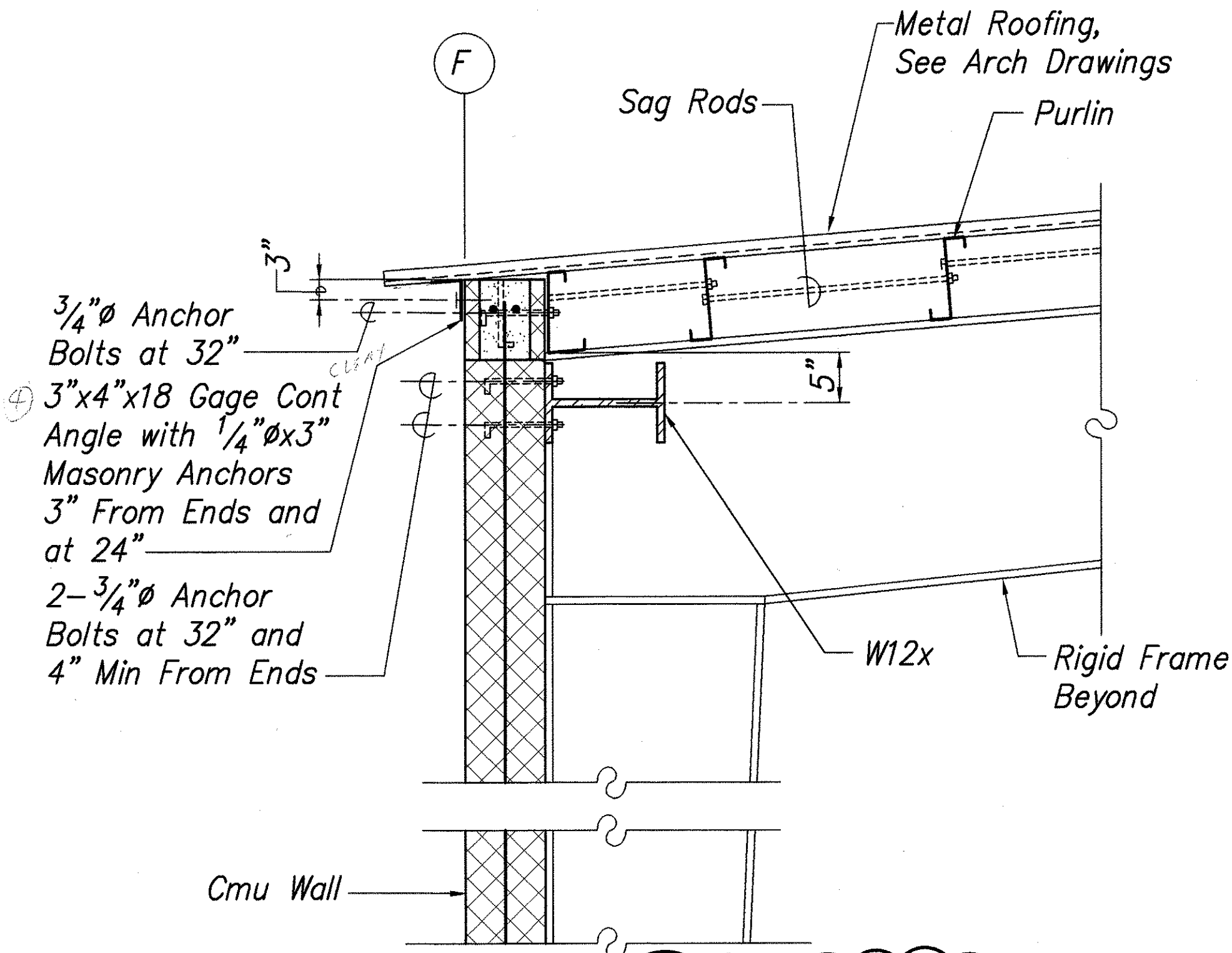
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

6-07-00	Add Note Revised Title Block
DATE	REVISION

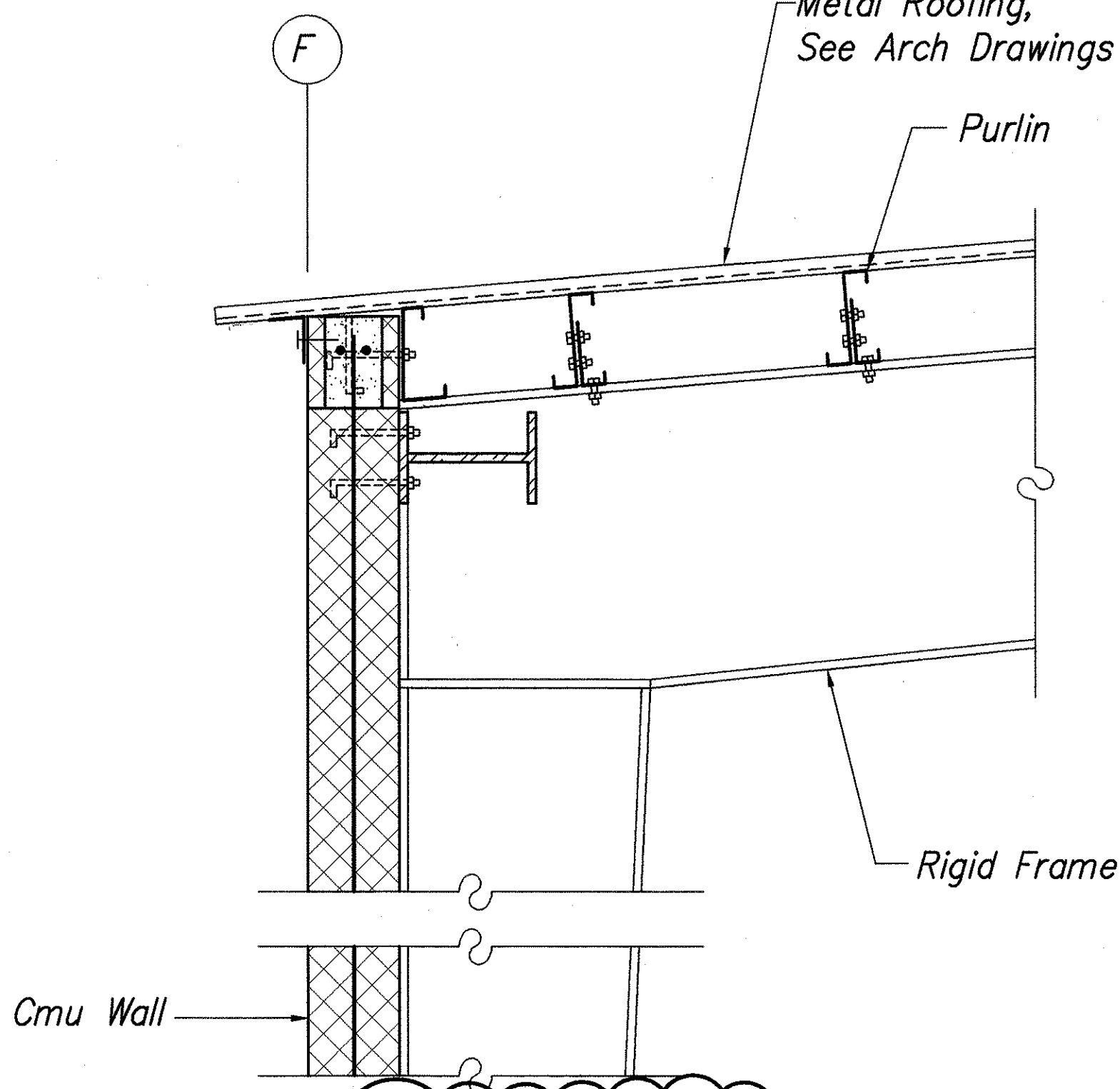


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**BUILDING A-
MEZZANINE DETAIL**
OAHU DISTRICT WAREHOUSE
BUILDING
Project No. HWY-0-05-98
SCALE: AS NOTED DATE: APRIL 2000
SHEET No. S2.9 OF 116 SHEETS

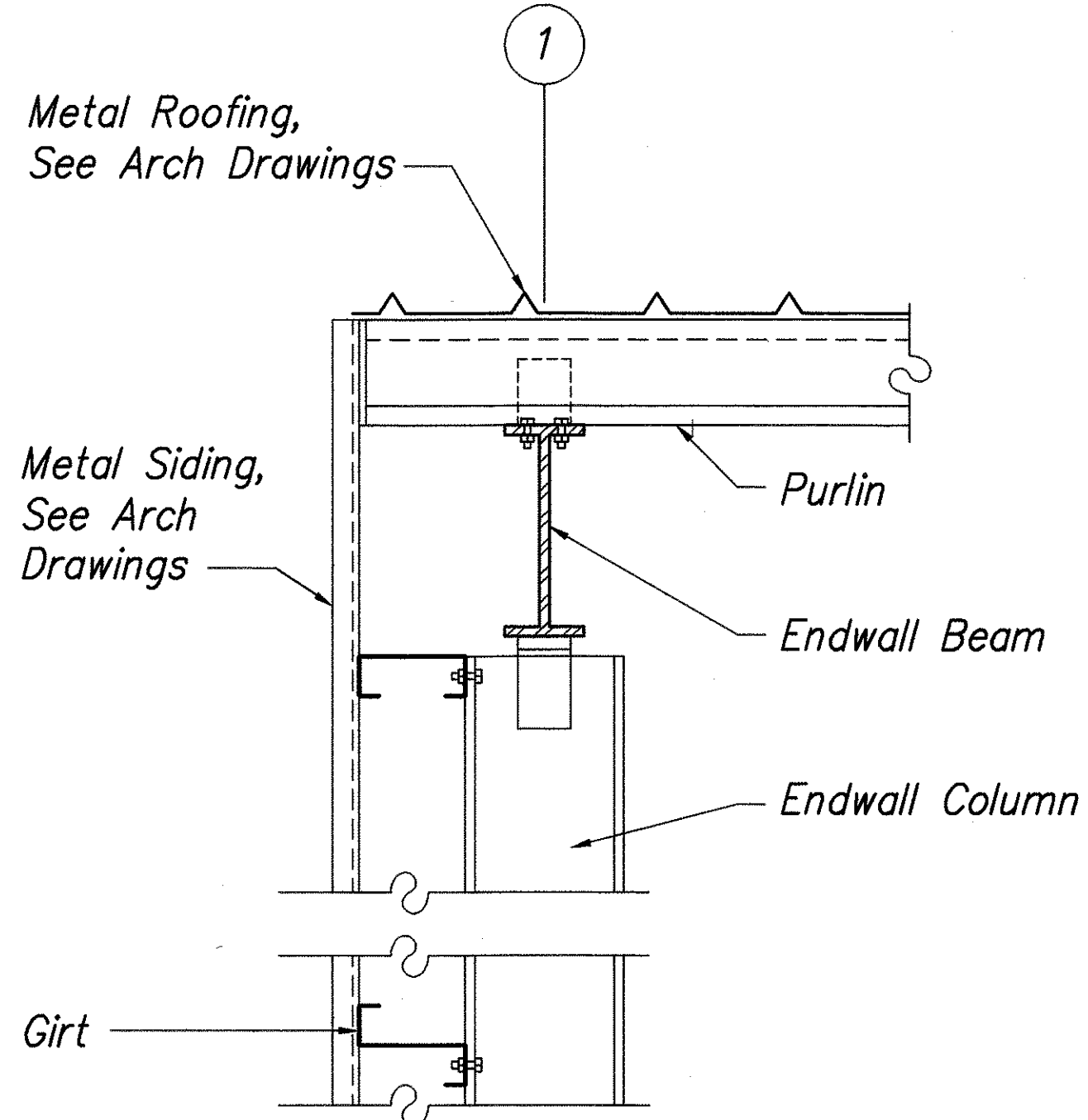
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	C.O. 83	116



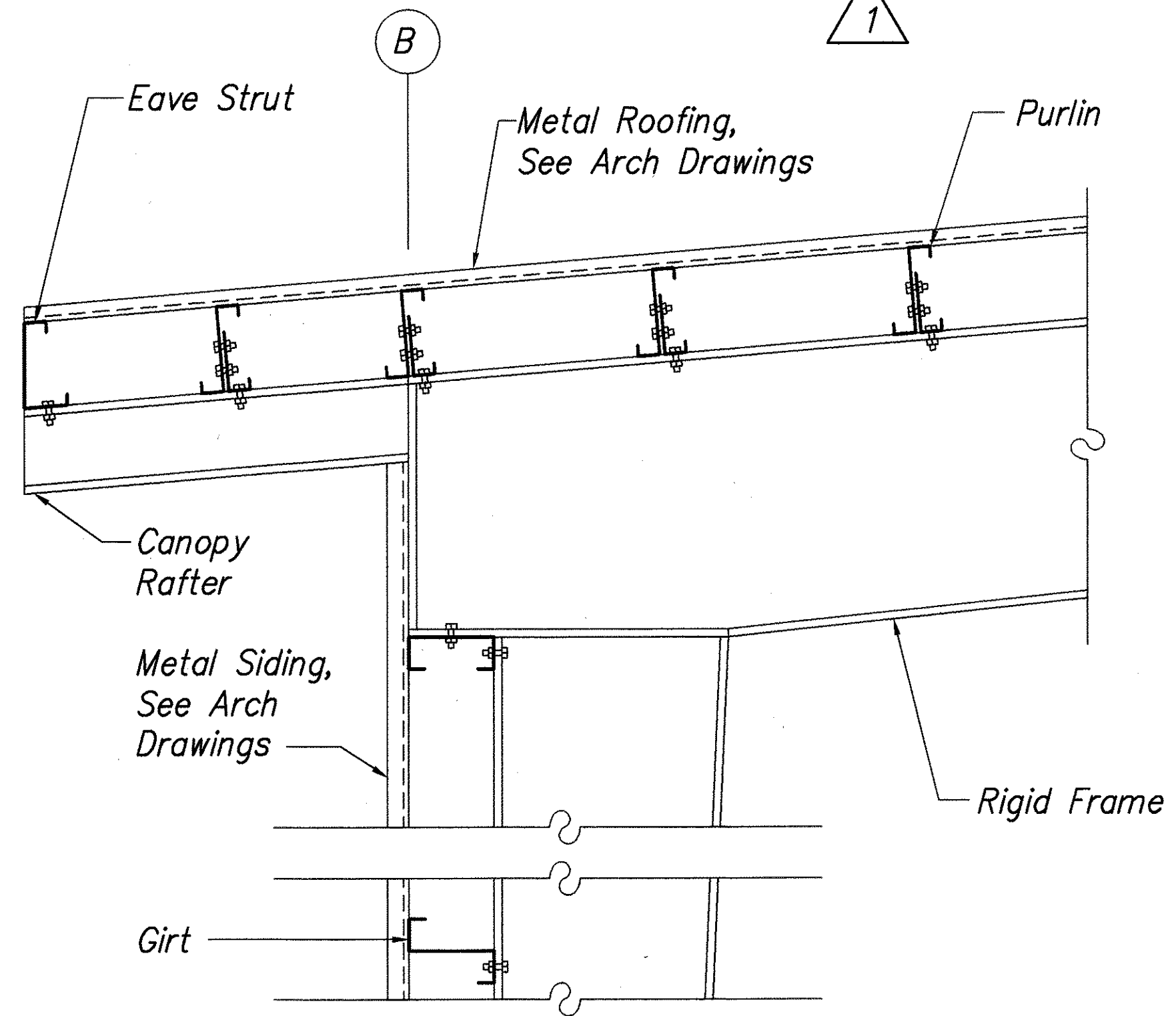
SECTION 1
Scale: 1" = 1'-0"
S2.5|S2.10



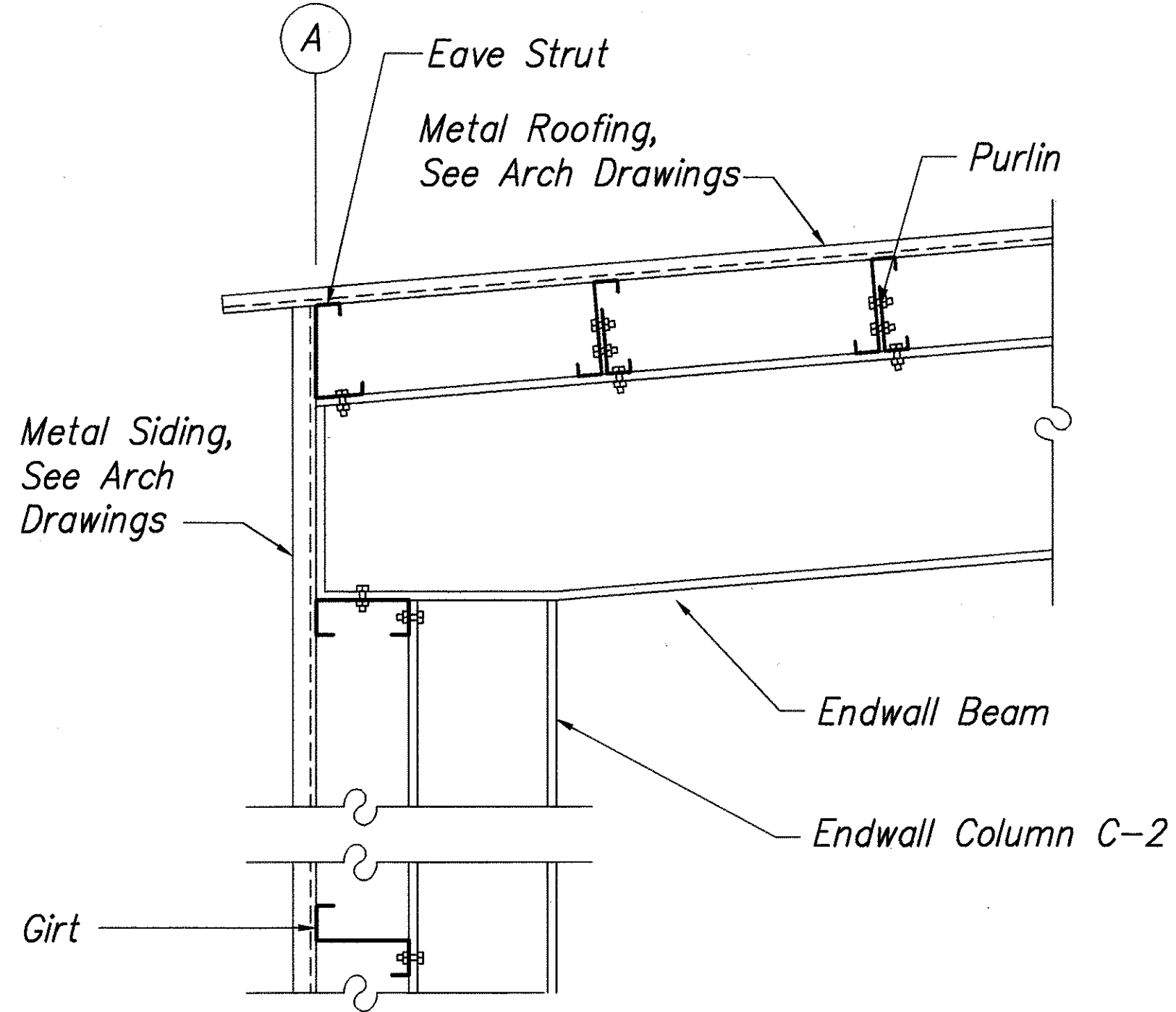
SECTION 2
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S2.5|S2.10



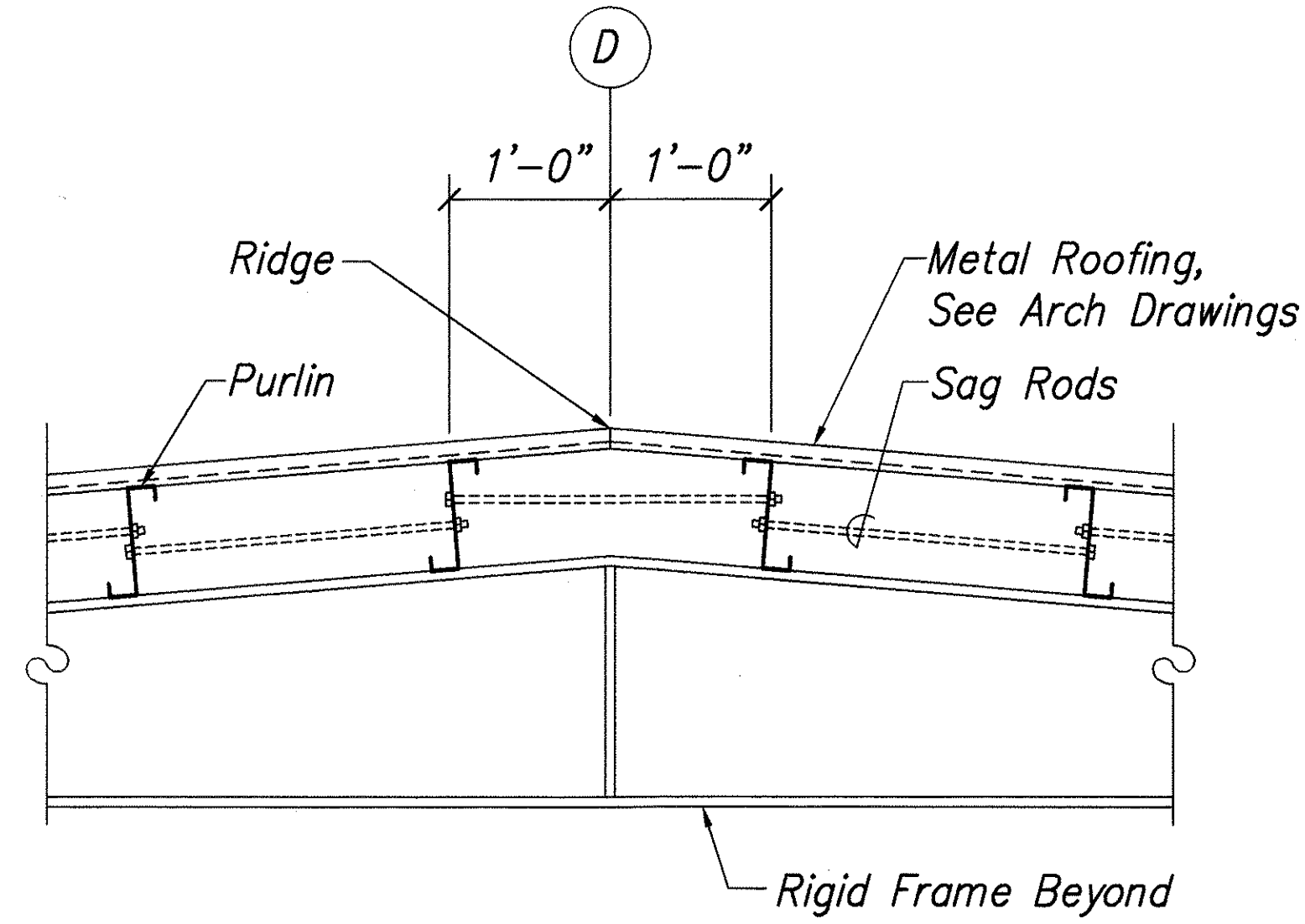
SECTION 3
Scale: 1" = 1'-0"
S2.5|S2.10



SECTION 4
Scale: 1" = 1'-0"
S2.5|S2.10



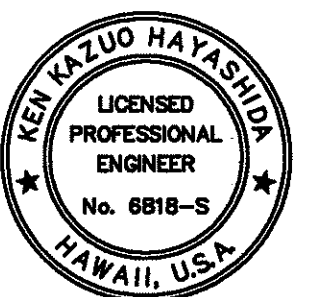
SECTION 5
Scale: 1" = 1'-0"
S2.5|S2.10



SECTION 6
Scale: 1" = 1'-0"
S2.5|S2.10

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	

7-20-00	Bldg Department Comments
6-07-00	Revised Title Block
DATE	REVISION



S2.10

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

BUILDING A-

ROOF DETAILS

OAHU DISTRICT WAREHOUSE

BUILDING

Project No. HWY-0-05-98

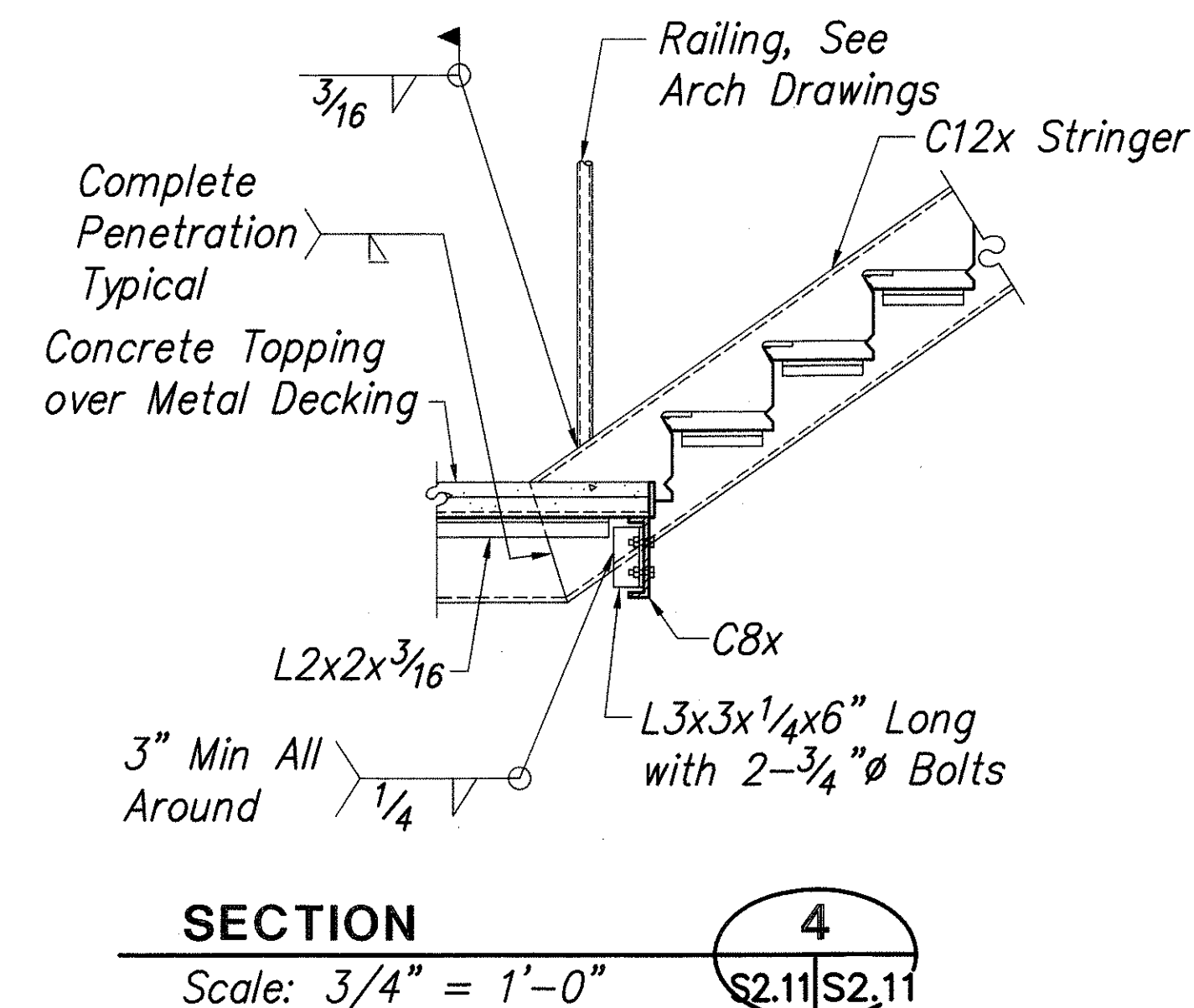
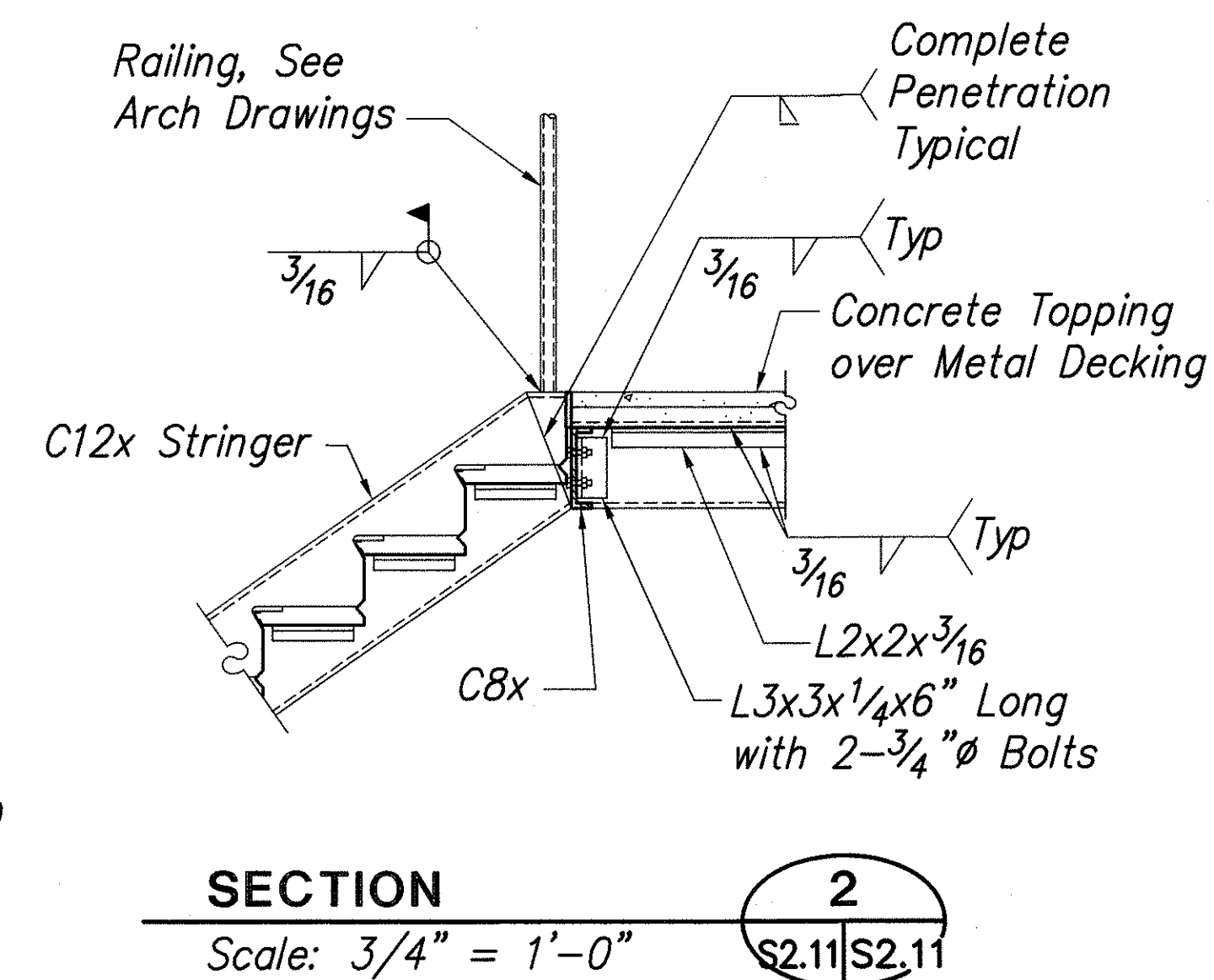
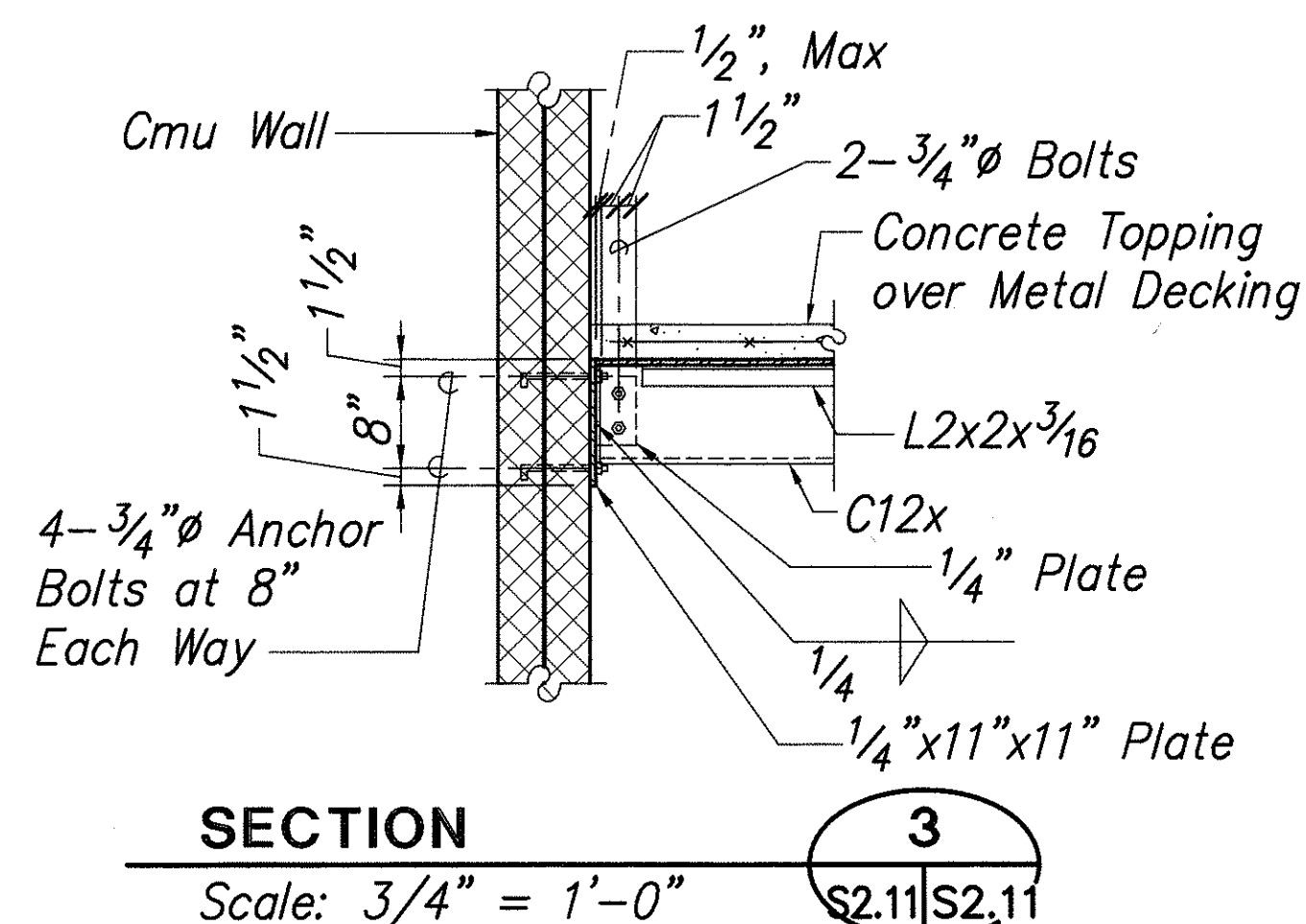
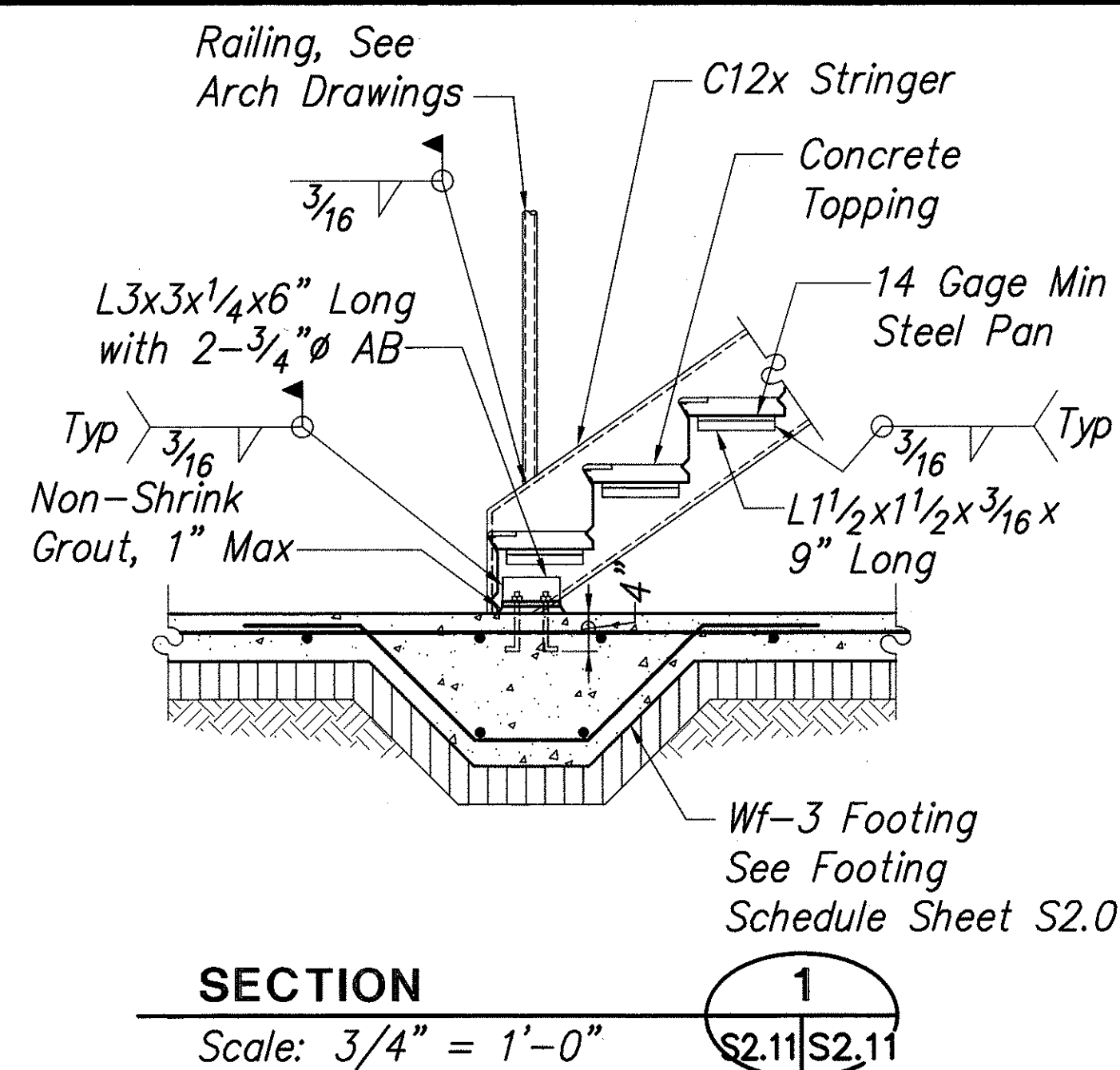
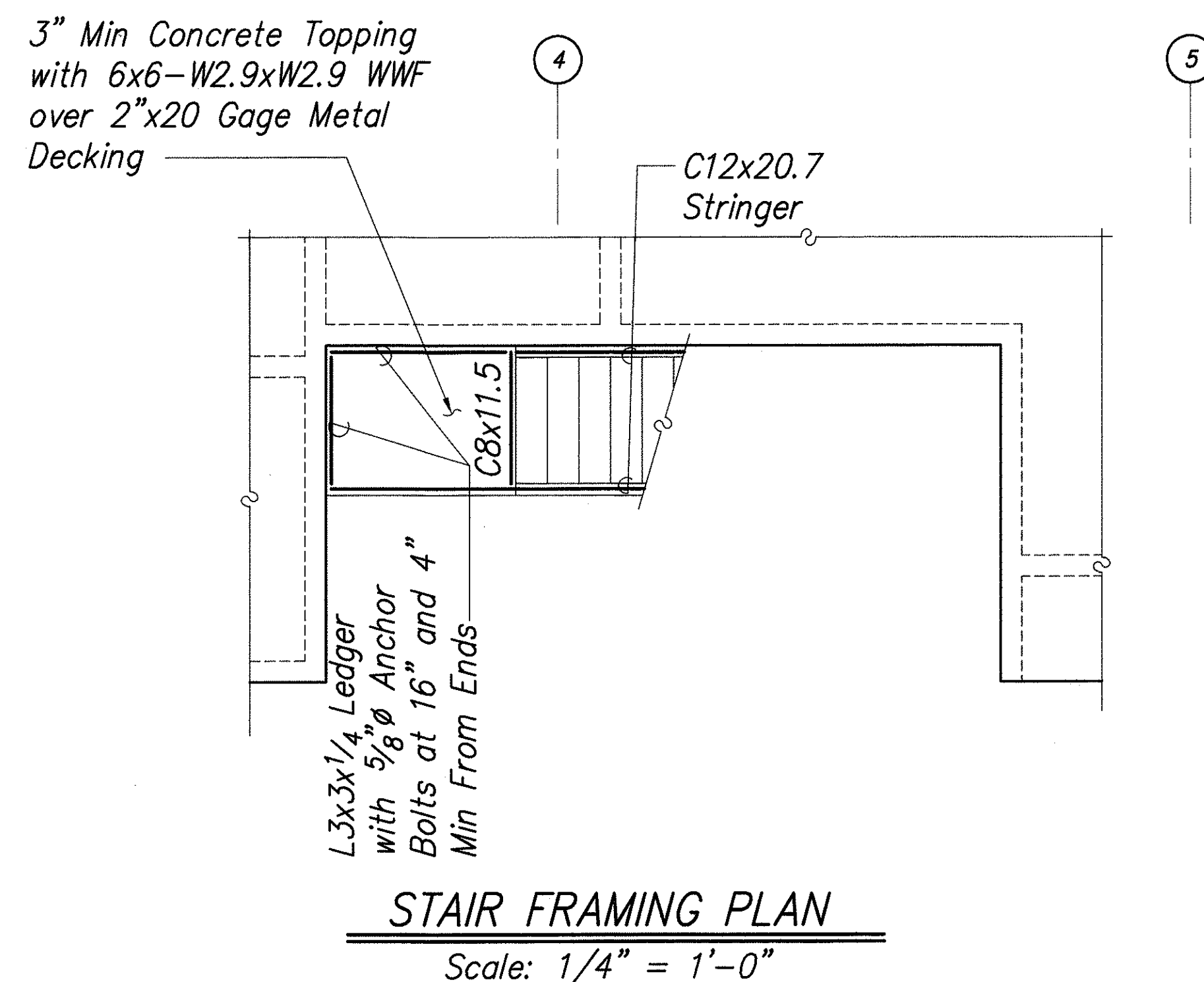
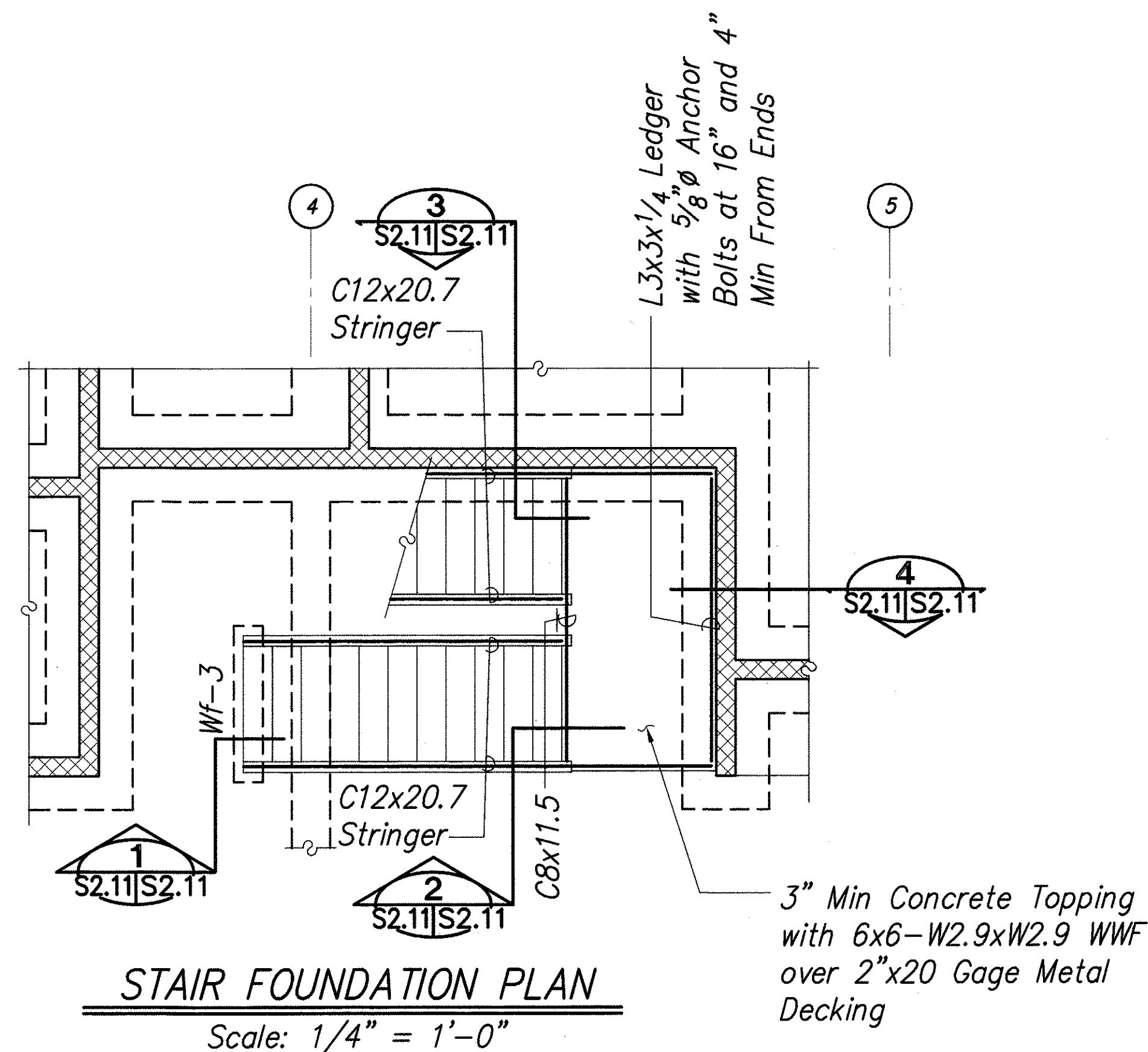
SCALE: AS NOTED

DATE: APRIL 2000

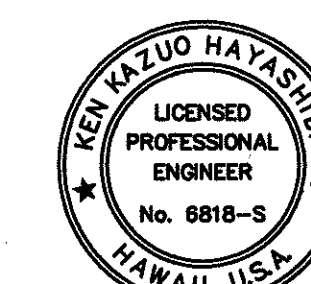
SHEET No. S2.10 OF 116

SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	84	116



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	



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S2.11
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
BUILDING A-
STAIR PLAN AND SECTIONS

OAHU DISTRICT BASEYARD FACILITIES
Project No. HWY-0-05-98

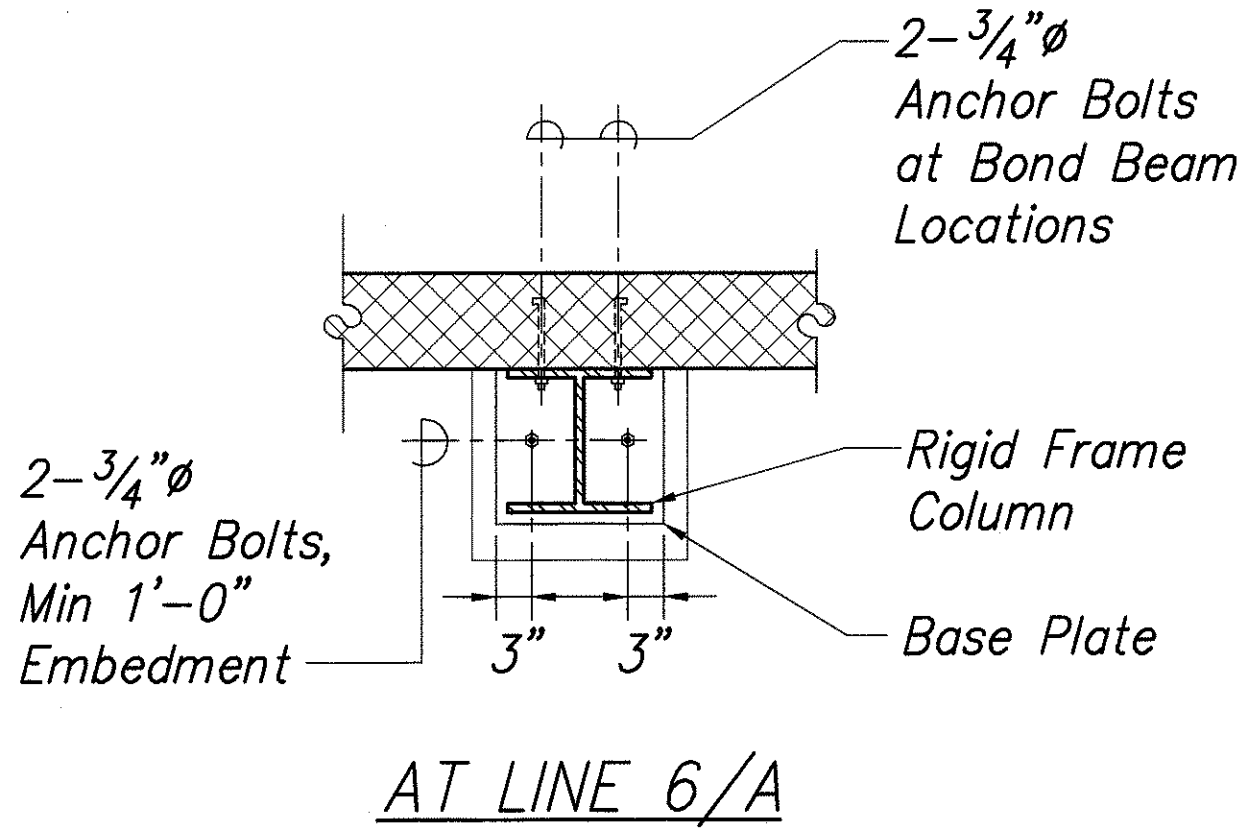
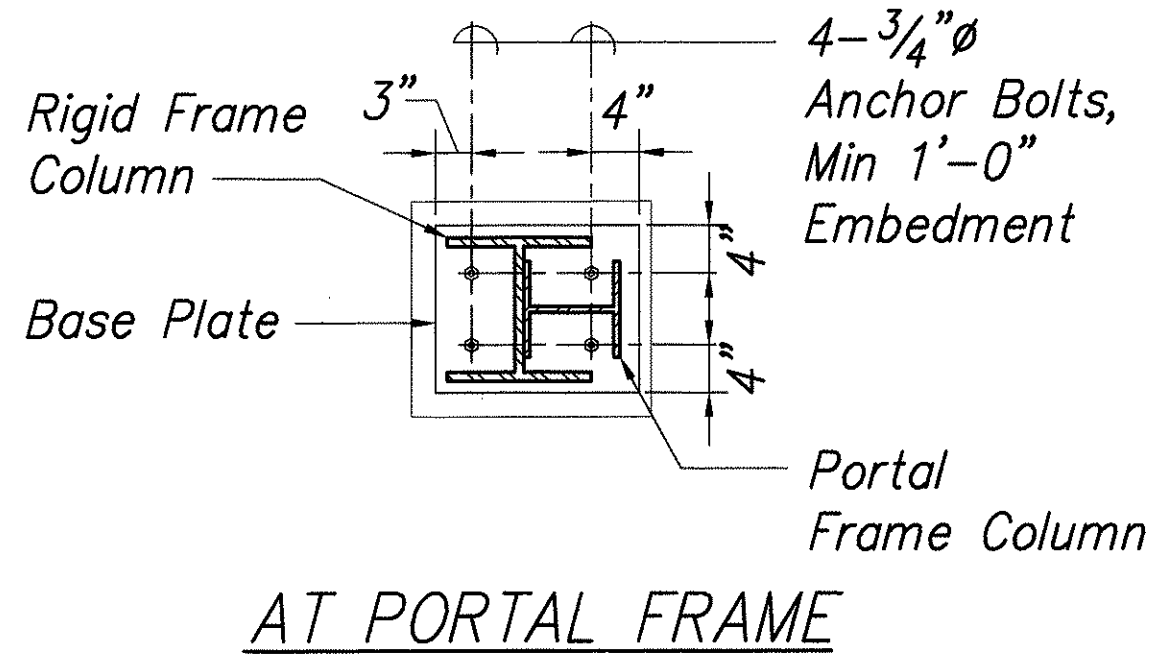
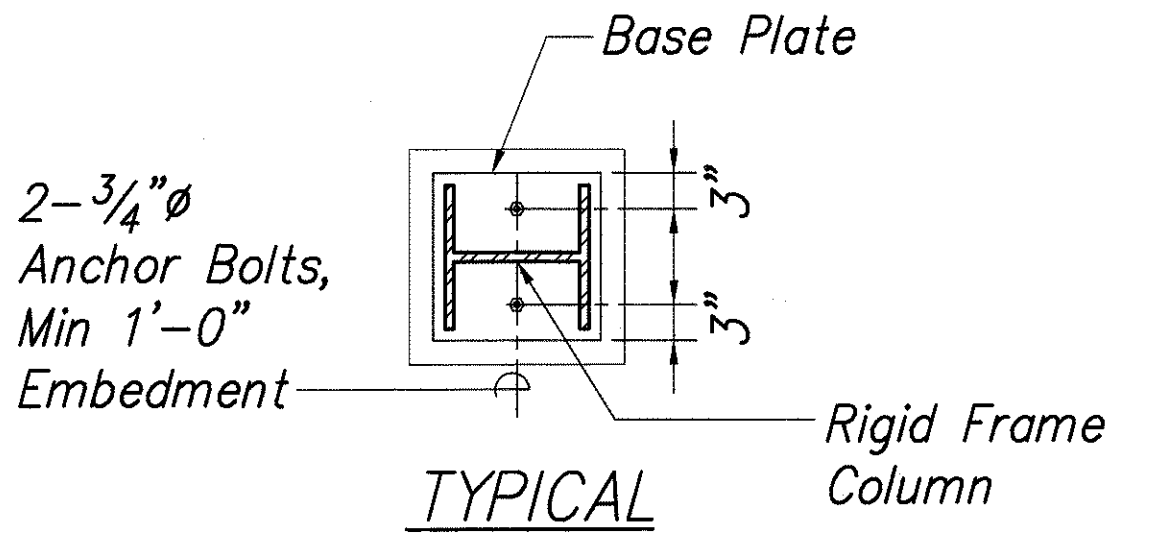
SCALE: AS NOTED DATE: APRIL 2000

SHEET No. S2.11 OF 116 SHEETS

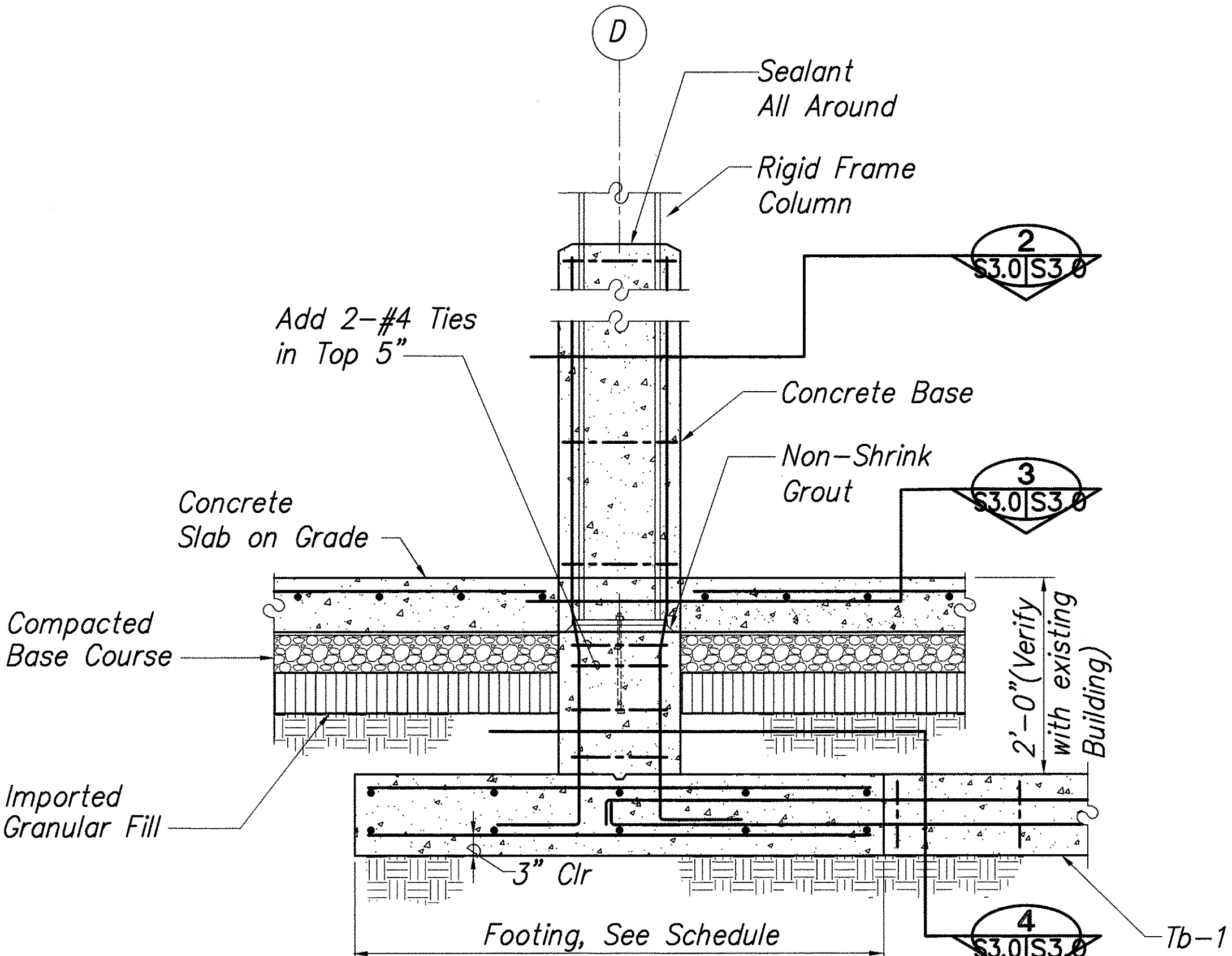
84

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	85	116

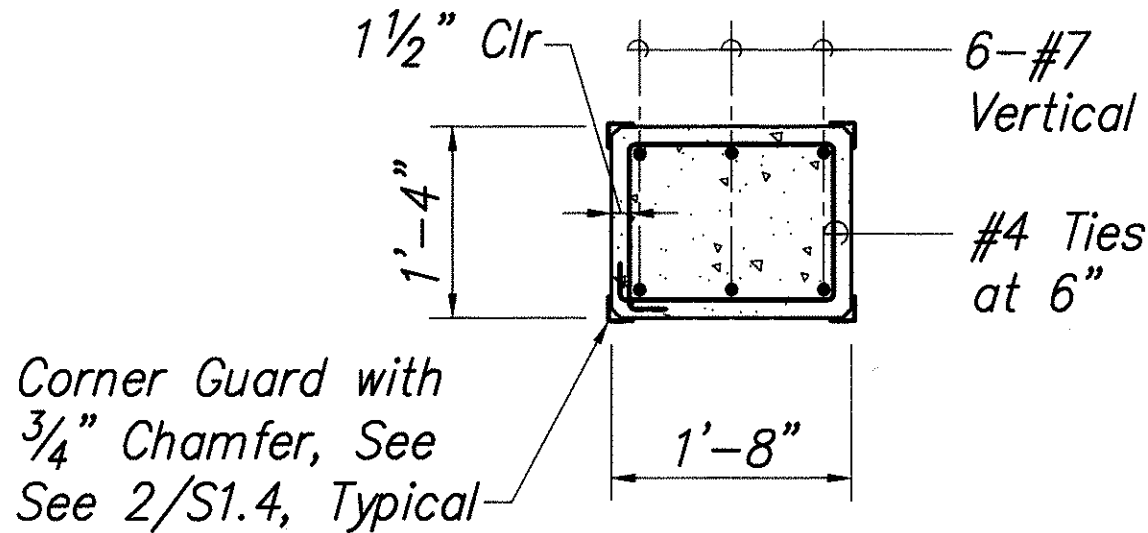
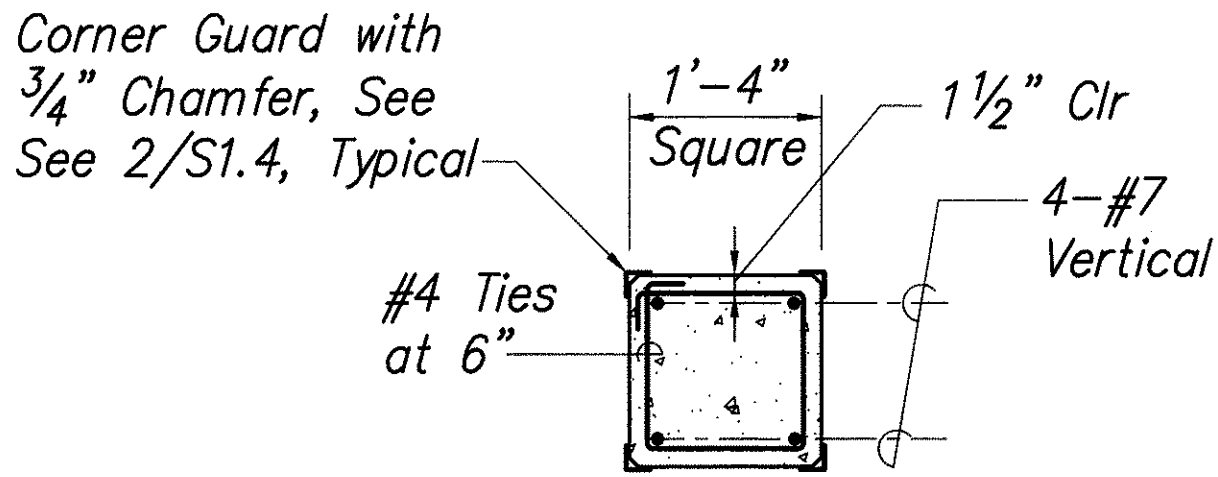
FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F-1	5'-6" Square x 1'-0" Thick	5-#6 Top and Bottom Each Way
F-2	5'-6" x 6'-6" x 1'-0" Thick	5-#6 Top and Bottom Long Way 6-#6 Top and Bottom Short Way
F-3	6'-6" Square x 1'-0" Thick	6-#6 Top and Bottom Each Way
F-4	5'-0" x 8'-0" x 1'-0" Thick	5-#6 Top and Bottom Long Way 7-#6 Top and Bottom Short Way
F-5	5'-0" x 14'-0" x 1'-0" Thick	5-#6 Top and Bottom Long Way 12-#6 Top and Bottom Short Way
Wf-1	2'-0" Wide x 1'-0" Thick	2-#4 Cont with #4 at 12"



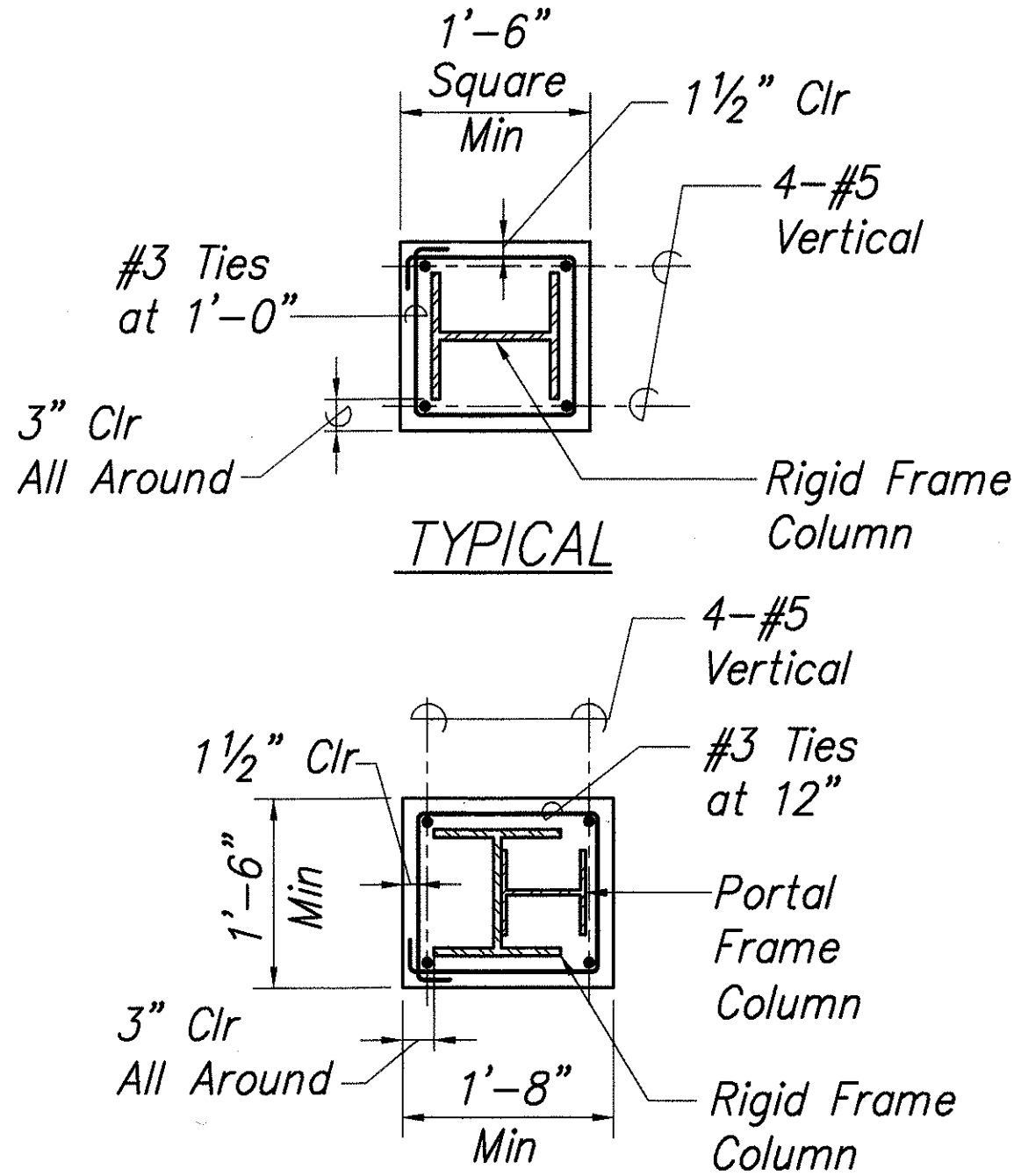
SECTION AT BASE PLATE 3
Scale 3/4" = 1'-0" S3.2|S3.0



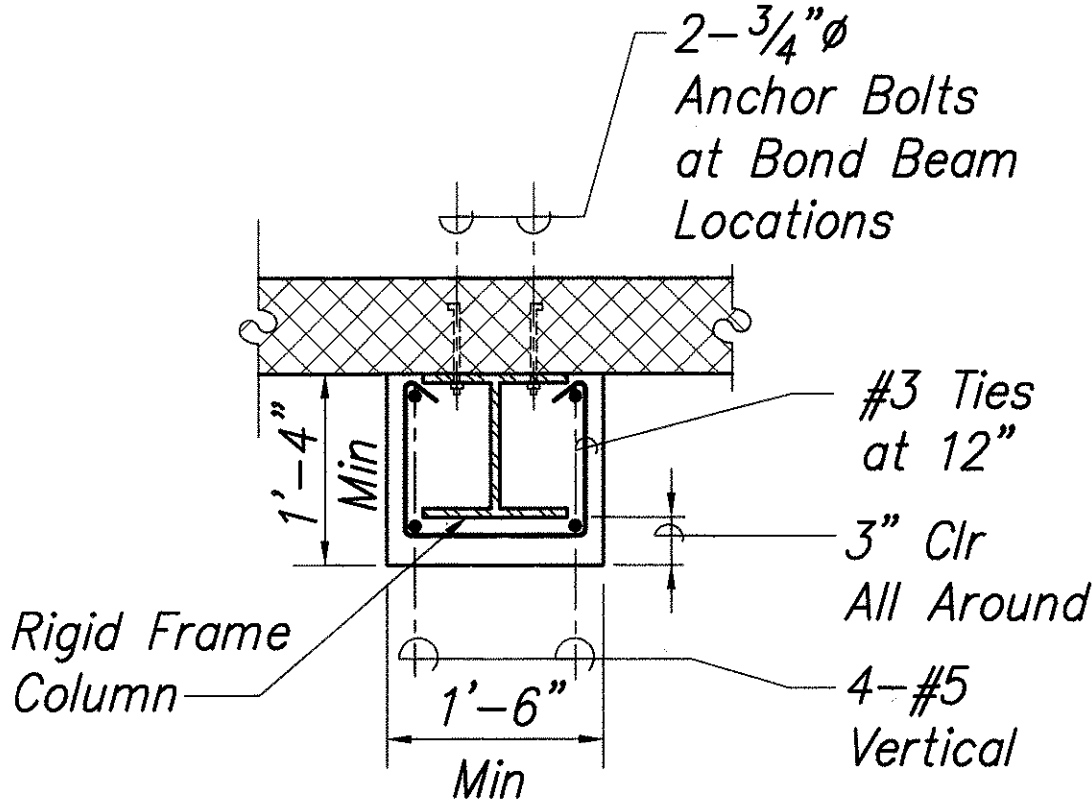
SECTION 1
Scale 3/4" = 1'-0" S3.2|S3.0



SECTION AT PEDESTAL 4
Scale 3/4" = 1'-0" S3.2|S3.0

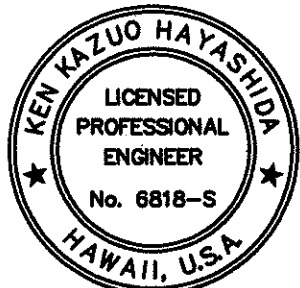


AT PORTAL FRAME



SECTION AT COLUMN BASE 2
Scale 3/4" = 1'-0" S3.2|S3.0

S3.0

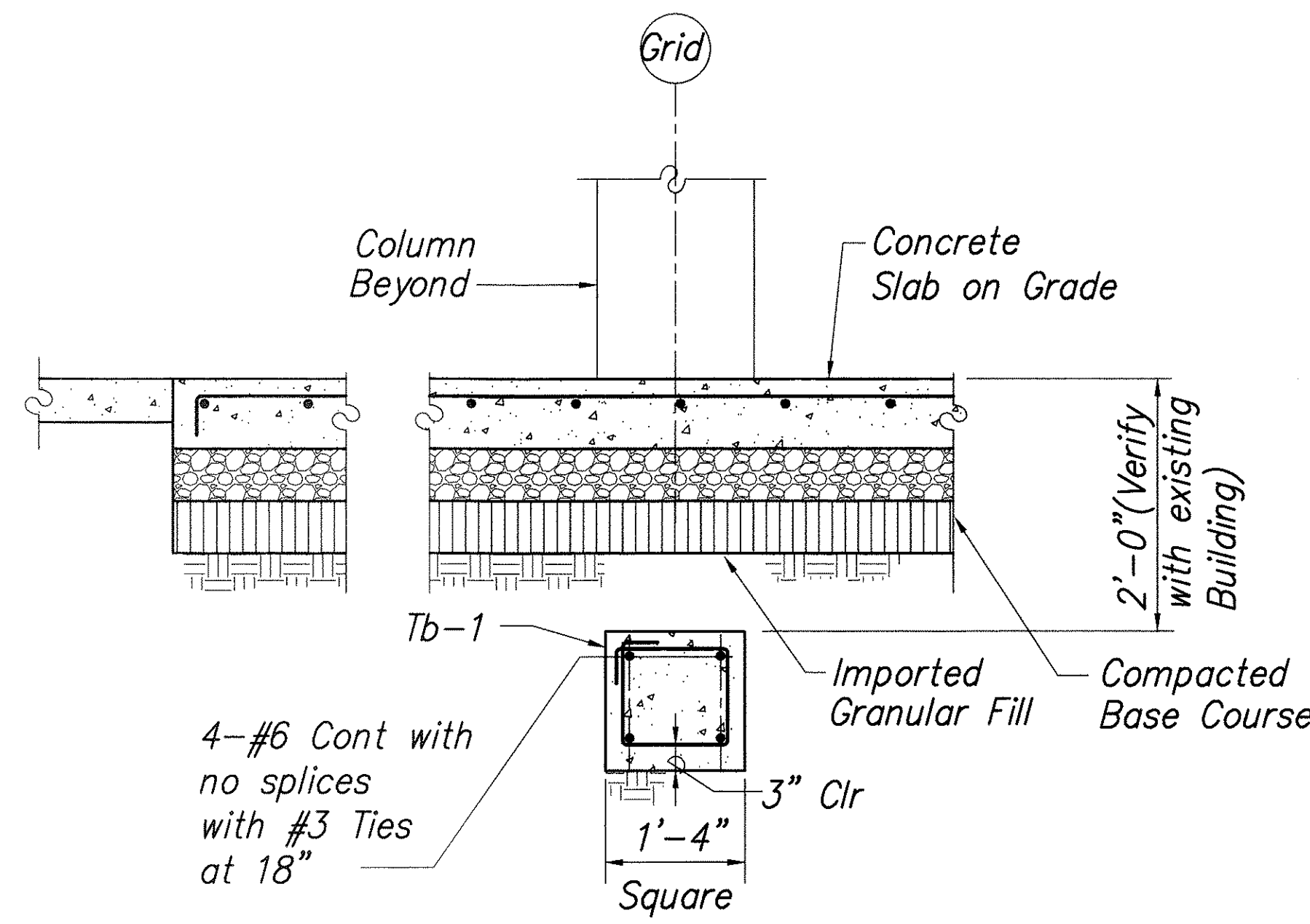


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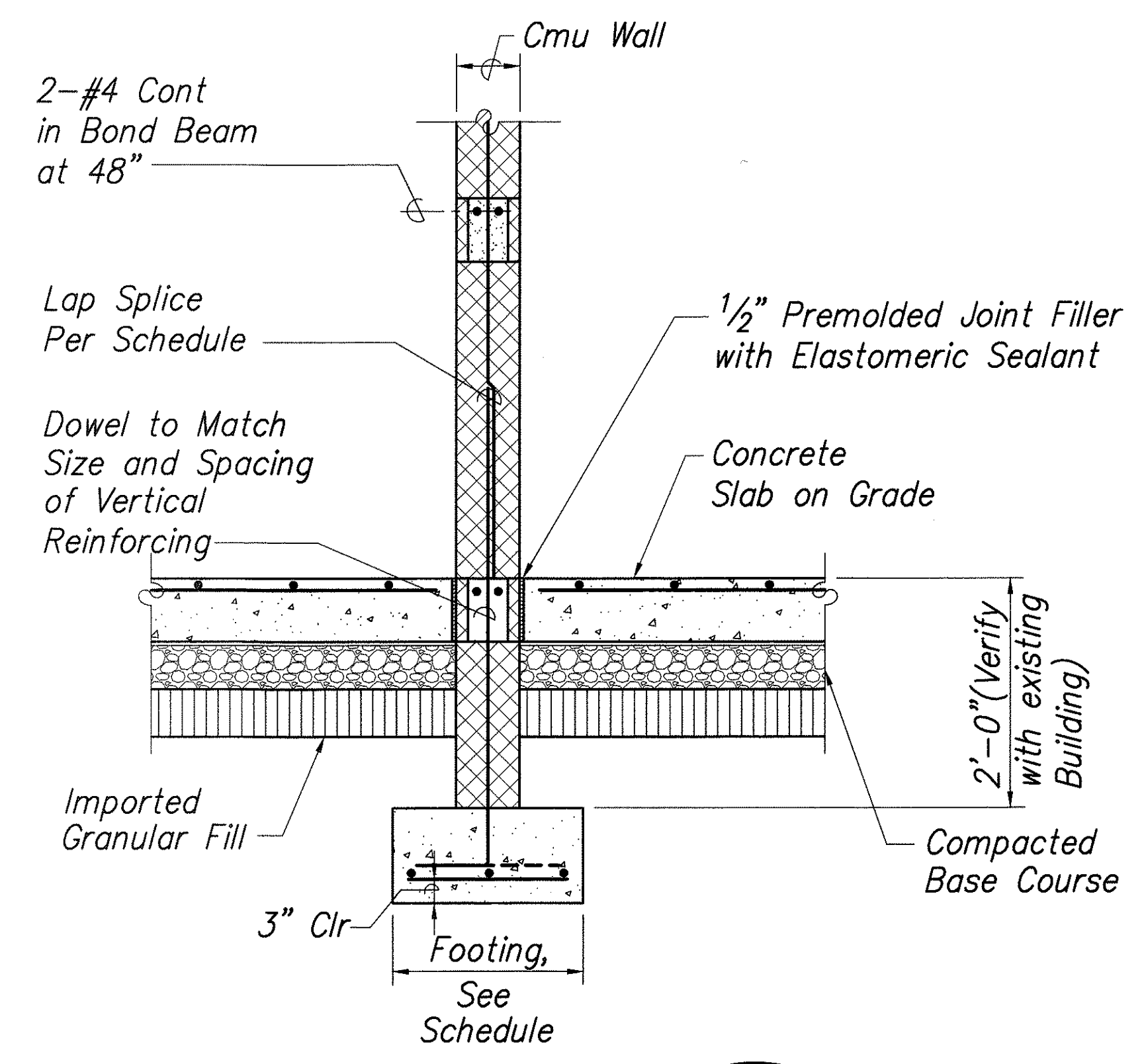
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
BUILDING B-
FOUNDATION DETAILS
OAHU DISTRICT BASEYARD
FACILITIES
Project No. HWY-0-05-98
SCALE: AS NOTED
DATE: APRIL 2000
SHEET No. S3.0 OF 116 SHEETS

85

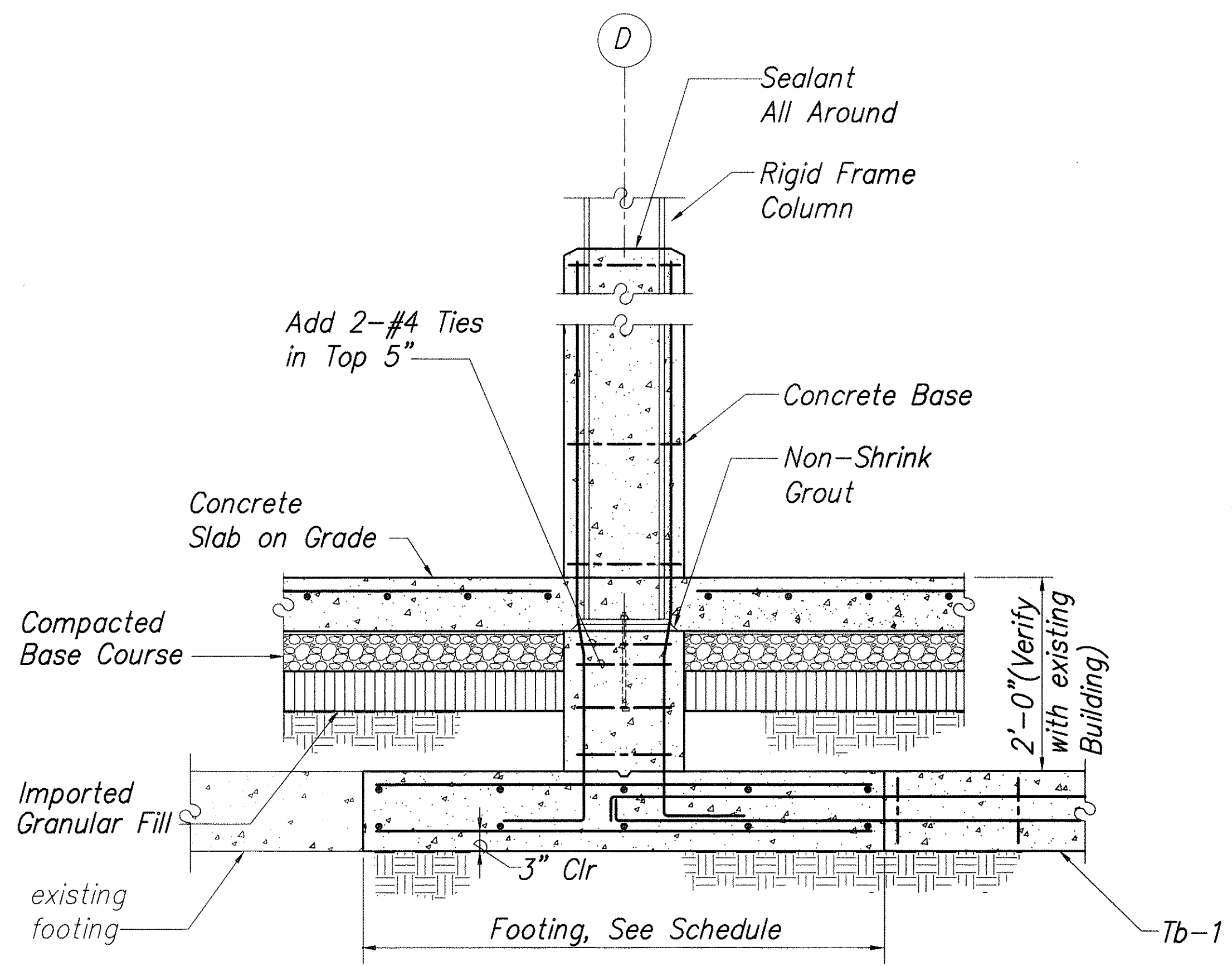
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	86	116



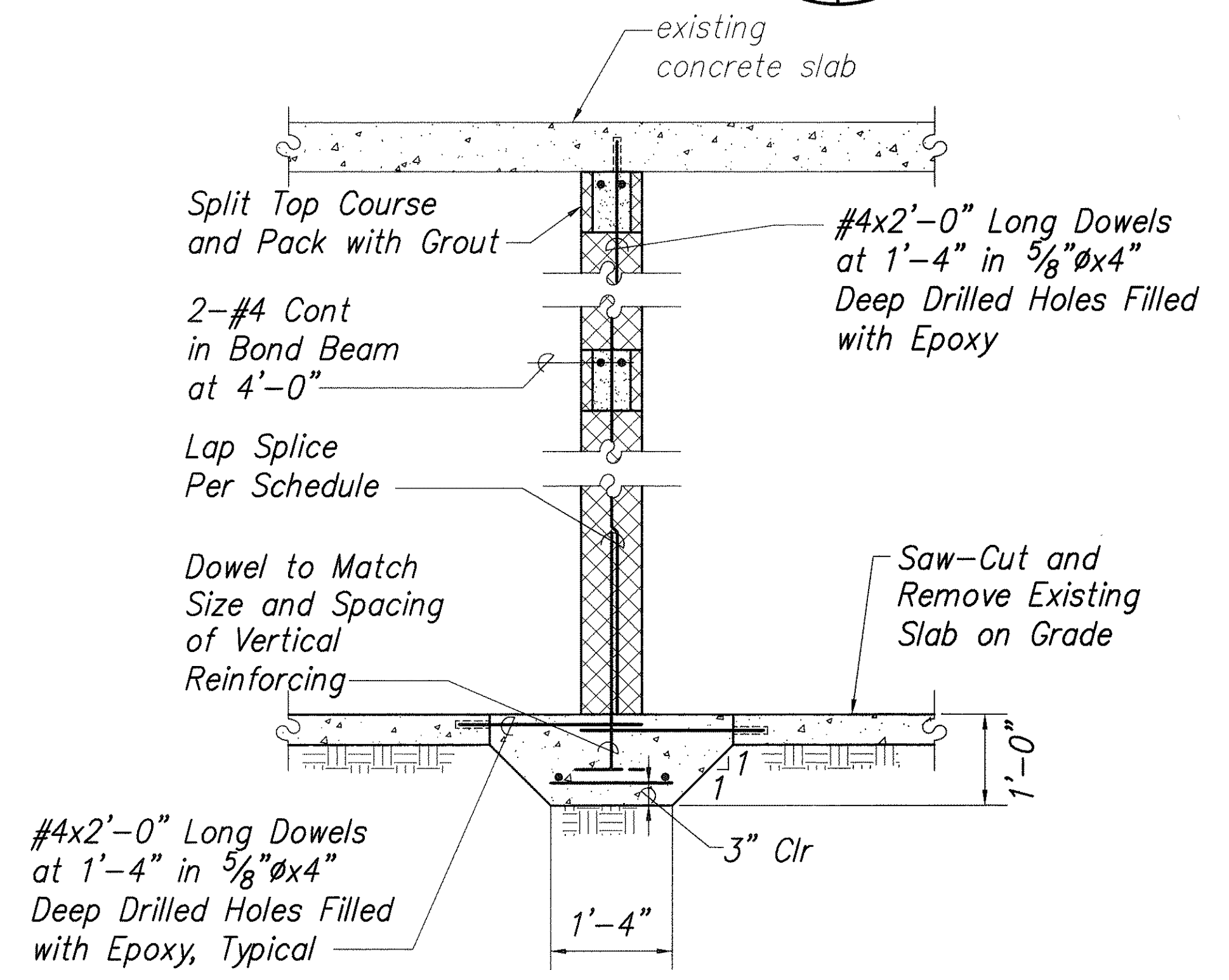
SECTION 1
Scale 3/4" = 1'-0"
S3.2 S3.1



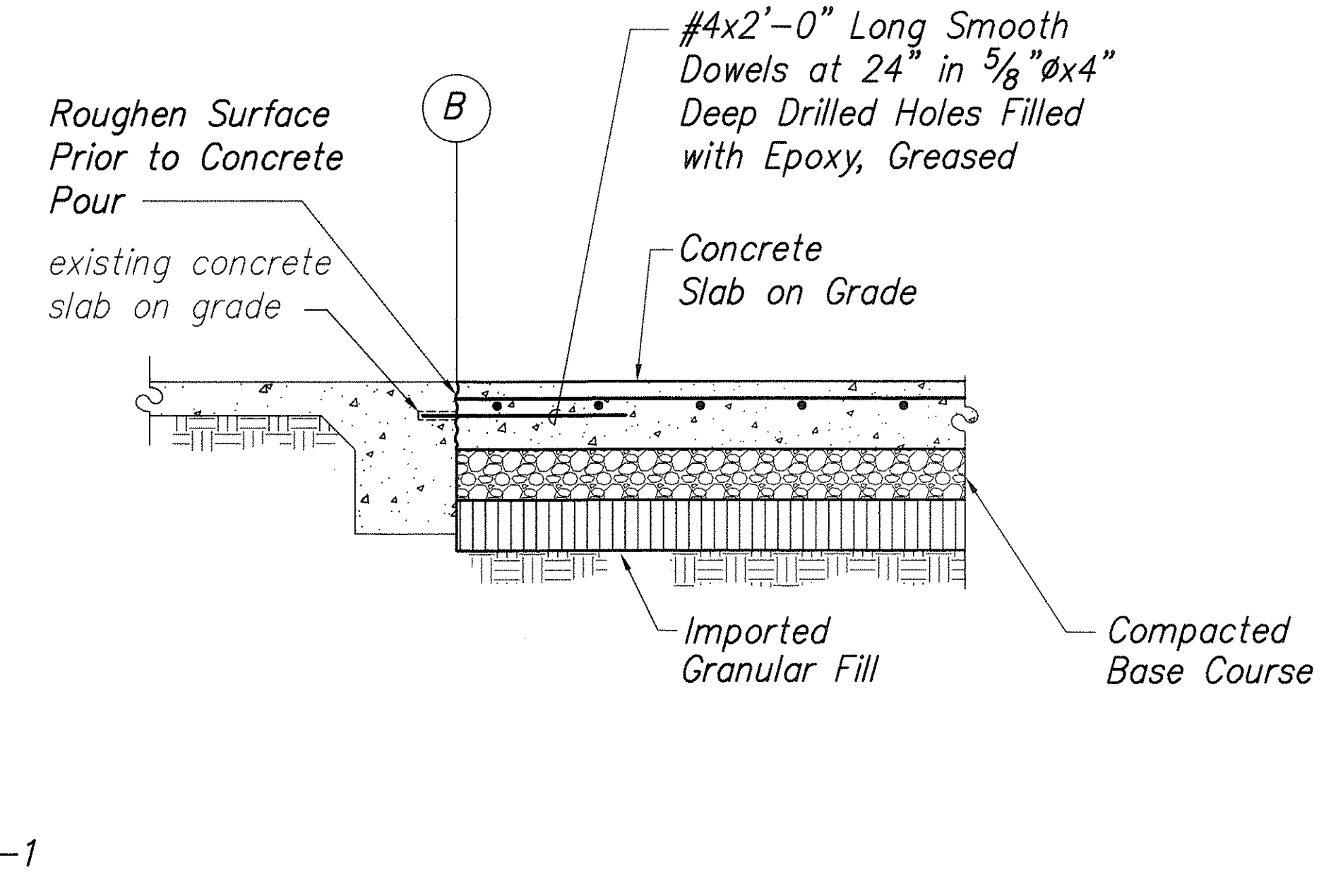
SECTION 4
Scale 3/4" = 1'-0"
S3.2 S3.1



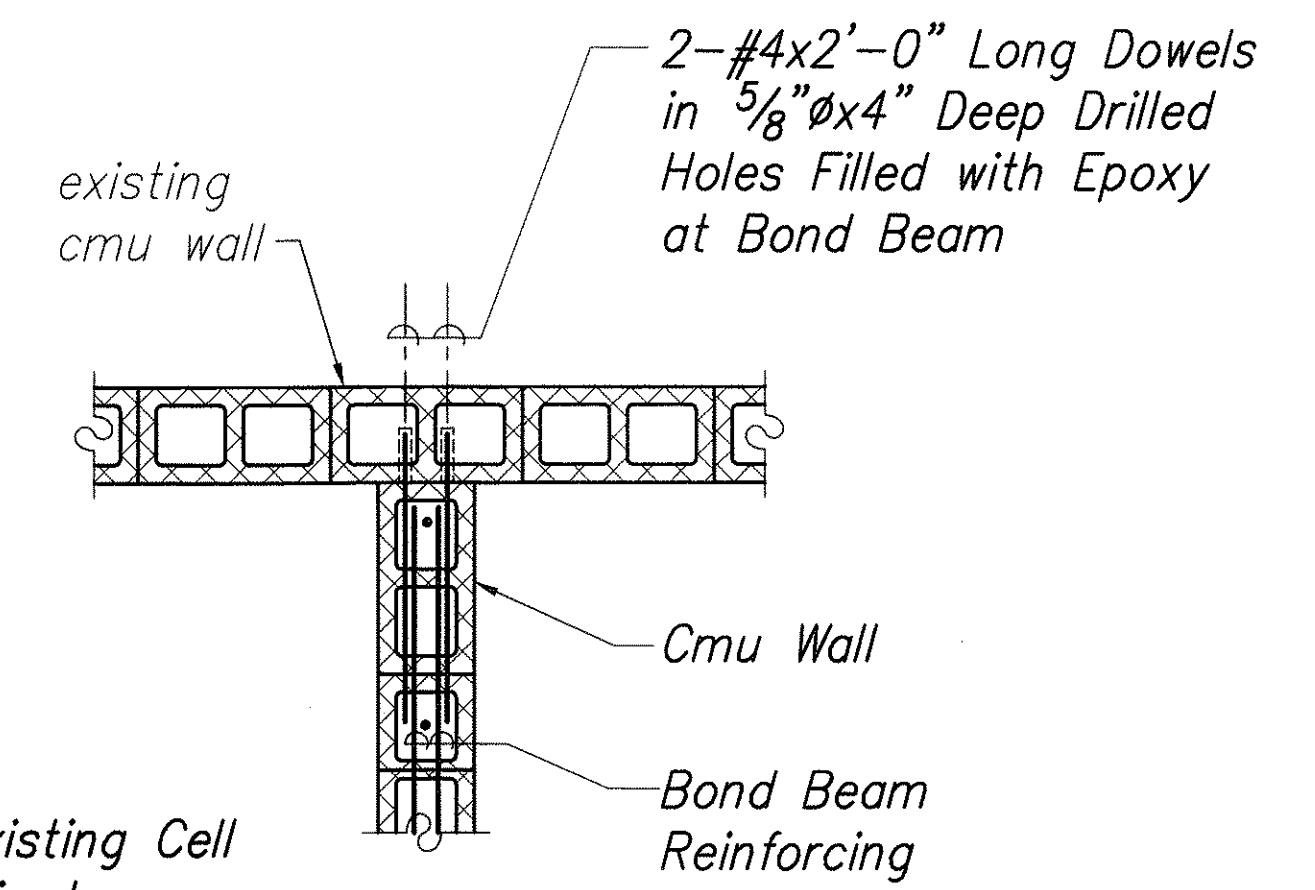
SECTION 2
Scale 3/4" = 1'-0"
S3.2 S3.1



SECTION 5
Scale 3/4" = 1'-0"
S3.2 S3.1

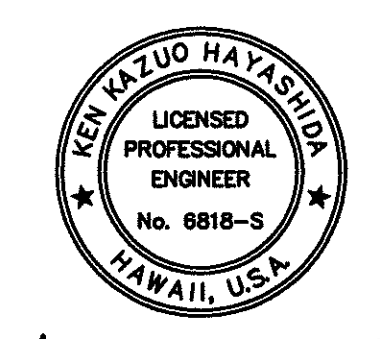


SECTION 3
Scale 3/4" = 1'-0"
S3.2 S3.1



Note:
Grout Existing Cell
as Required

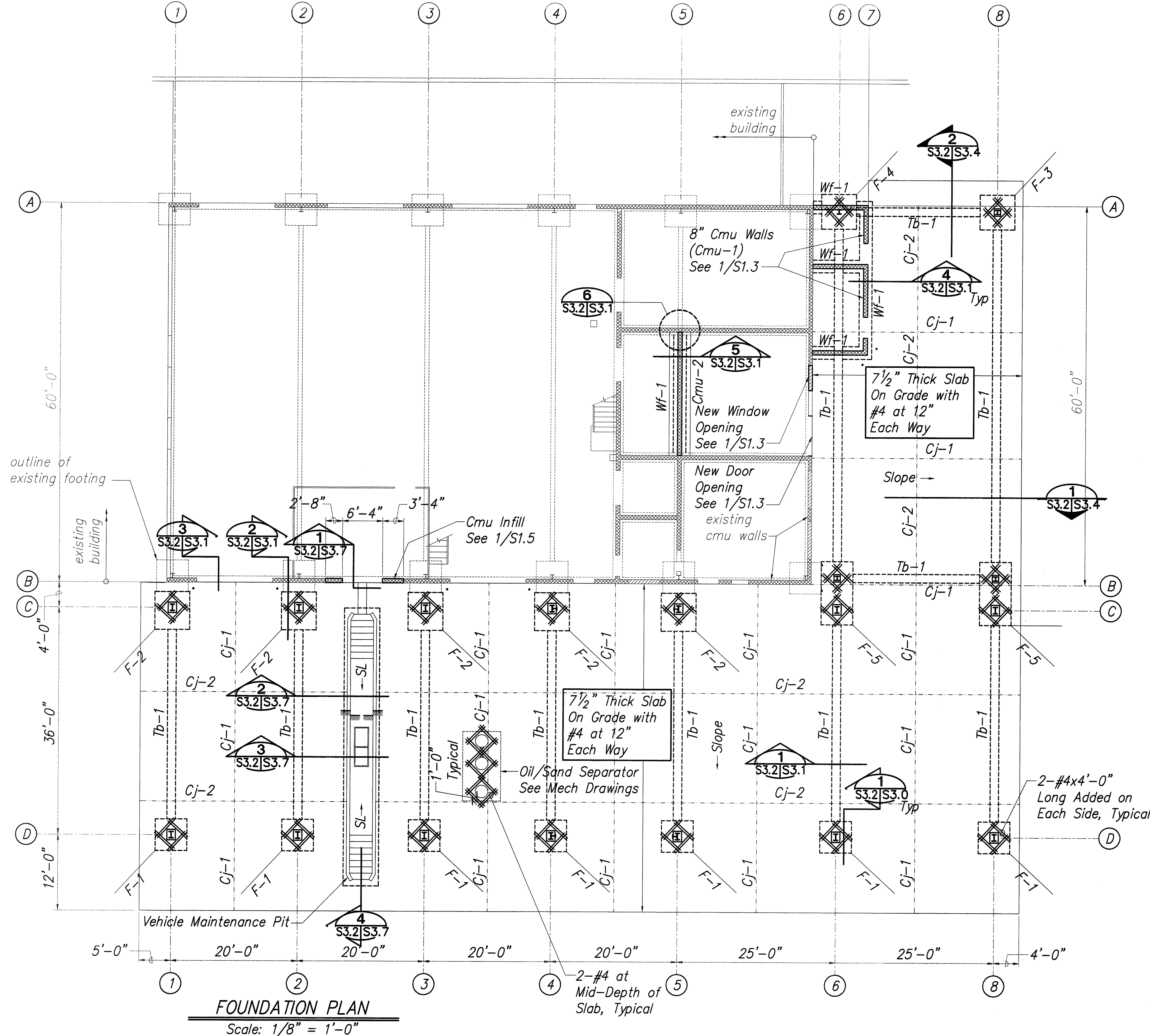
DETAIL 6
Scale 3/4" = 1'-0"
S3.2 S3.1



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**BUILDING B-
FOUNDATION DETAILS**
OAHU DISTRICT BASEYARD
FACILITIES
Project No. HWY-0-05-98
SCALE: AS NOTED
DATE: APRIL 2000
SHEET No. S3.1 OF 116 SHEETS




86



Notes:

1. See Architectural Drawings for dimensions not shown on Structural Drawings.
2. See foundation notes on sheet S1.0 for subgrade and slab on grade preparation.
3. Thickness of slabs on grade shown is minimum and shall be maintained at all sloped and depressed areas.
4. See Civil, Architectural, Mechanical and Electrical Drawings for extent and locations of depressed slabs, slopes to drain, finish floor elevations and equipment pads.
5. See Architectural Drawings for fireproofing and waterproofing requirements and details.

Legend:

<i>Wf-1</i>	<i>Indicates wall footing type, See footing schedule on sheet S3.0</i>
<i>F-1</i>	<i>Indicates column footing type, See footing schedule on sheet S3.0</i>
<i>Tb-1</i>	<i>Indicates tie beam type, See 1/S3.1</i>
<i>Cj-1</i>	<i>Indicates slab joint type, See 2/S1.2</i>
<i>Cmu-1</i>	<i>Indicates cmu wall type, See wall schedule</i>
	<i>Indicates full height cmu walls</i>
	<i>Indicates partial height cmu walls</i>
	<i>Indicates change in slab elevation, See Architectural Drawings</i>

6-07-00	Revised Title Block and Added Reinforcing Around Oil/Sand Separator
DATE	REVISION

S3.2

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**BUILDING B-
FOUNDATION PLAN**

OAHU DISTRICT WAREHOUSE
BUILDING

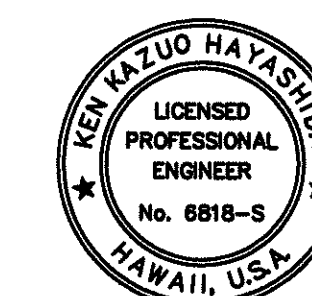
Project No. HWY-0-05-98

SCALE: AS NOTED

DATE: APRIL 2000

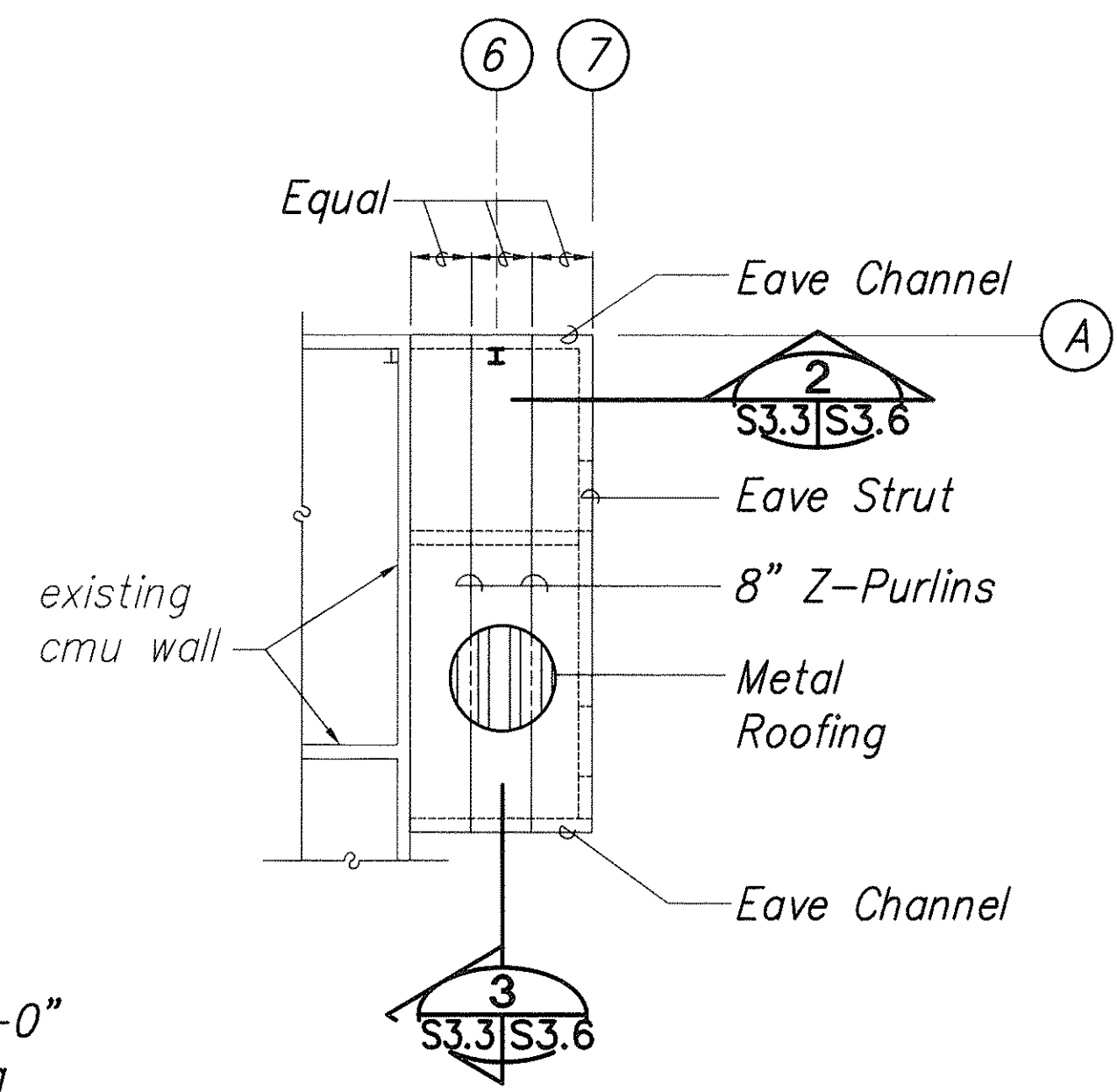
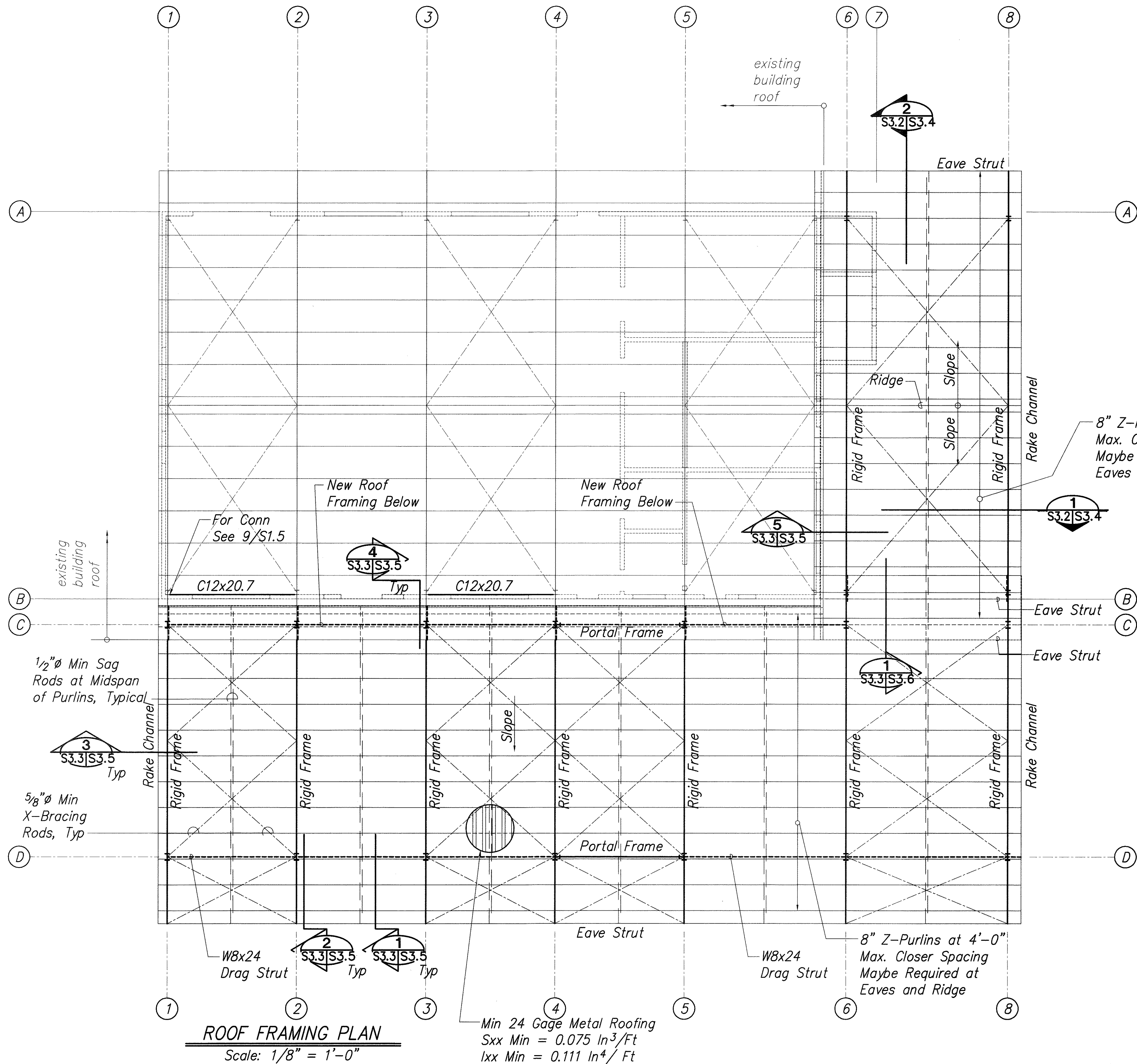
SHEET No. S3.2 OF 116 SHEETS

ADD. 87



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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	88	116



LOW ROOF PLAN
Scale: 1/8" = 1'-0"

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DESIGNED BY	DRAWN BY	
CHECKED BY	NOTED BY	

ROOF FRAMING PLAN
Scale: 1/8" = 1'-0"

Min 24 Gage Metal Roofing
Sxx Min = 0.075 In³/Ft
Ixx Min = 0.111 In⁴/Ft



[Signature]
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

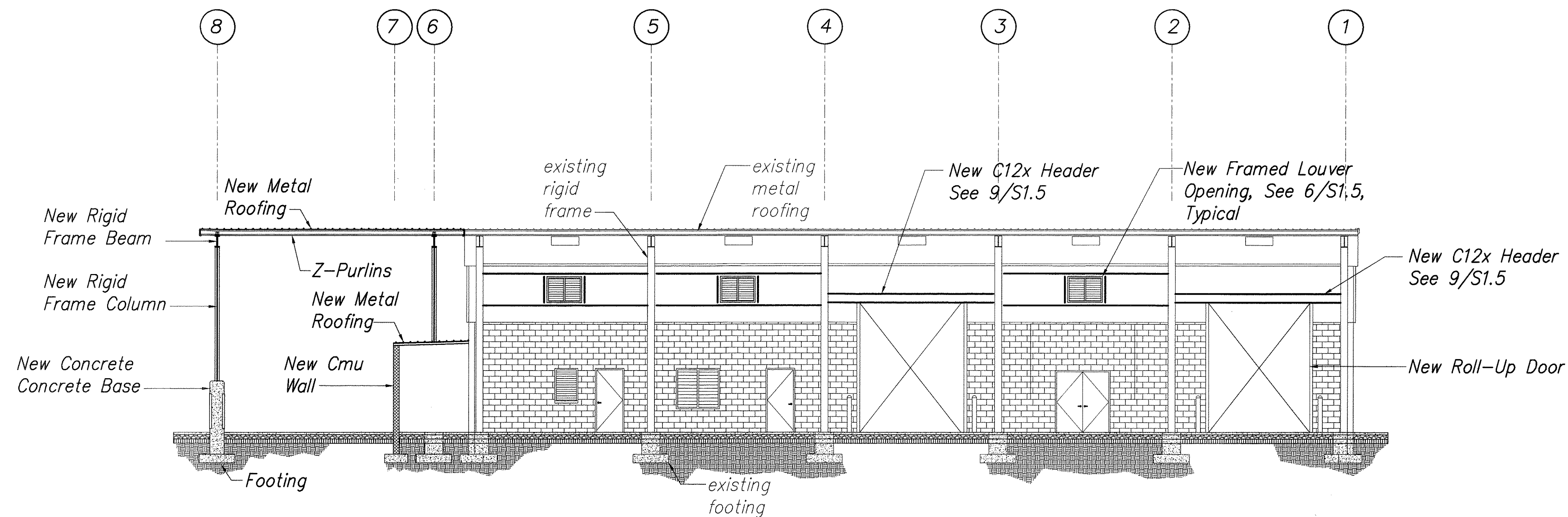
S3.3

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**BUILDING B-
ROOF FRAMING PLAN**

OAHU DISTRICT BASEYARD
FACILITIES
Project No. HWY-0-05-98

SCALE: AS NOTED DATE: APRIL 2000
SHEET No. S3.3 OF 116 SHEETS

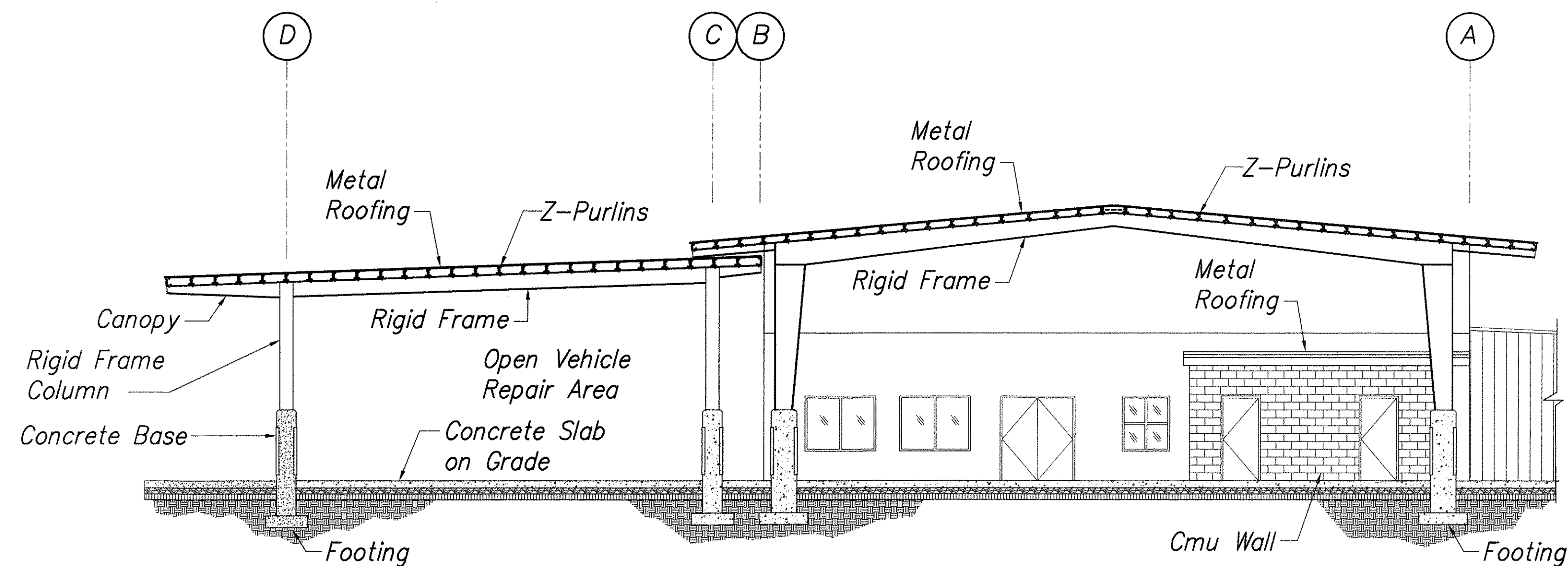
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	89	116



BUILDING SECTION

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

1
S3.2 S3.4

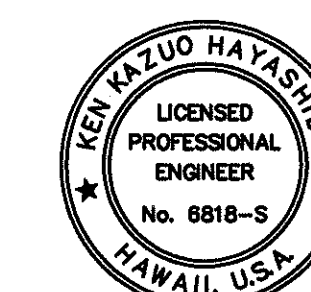


BUILDING SECTION

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

2
S3.2 S3.4

DESIGNED BY	DATE
CHECKED BY	
NOTED BY	
QUANTITIES BY	
ORIGINAL PLAN	
NO.	



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S3.4

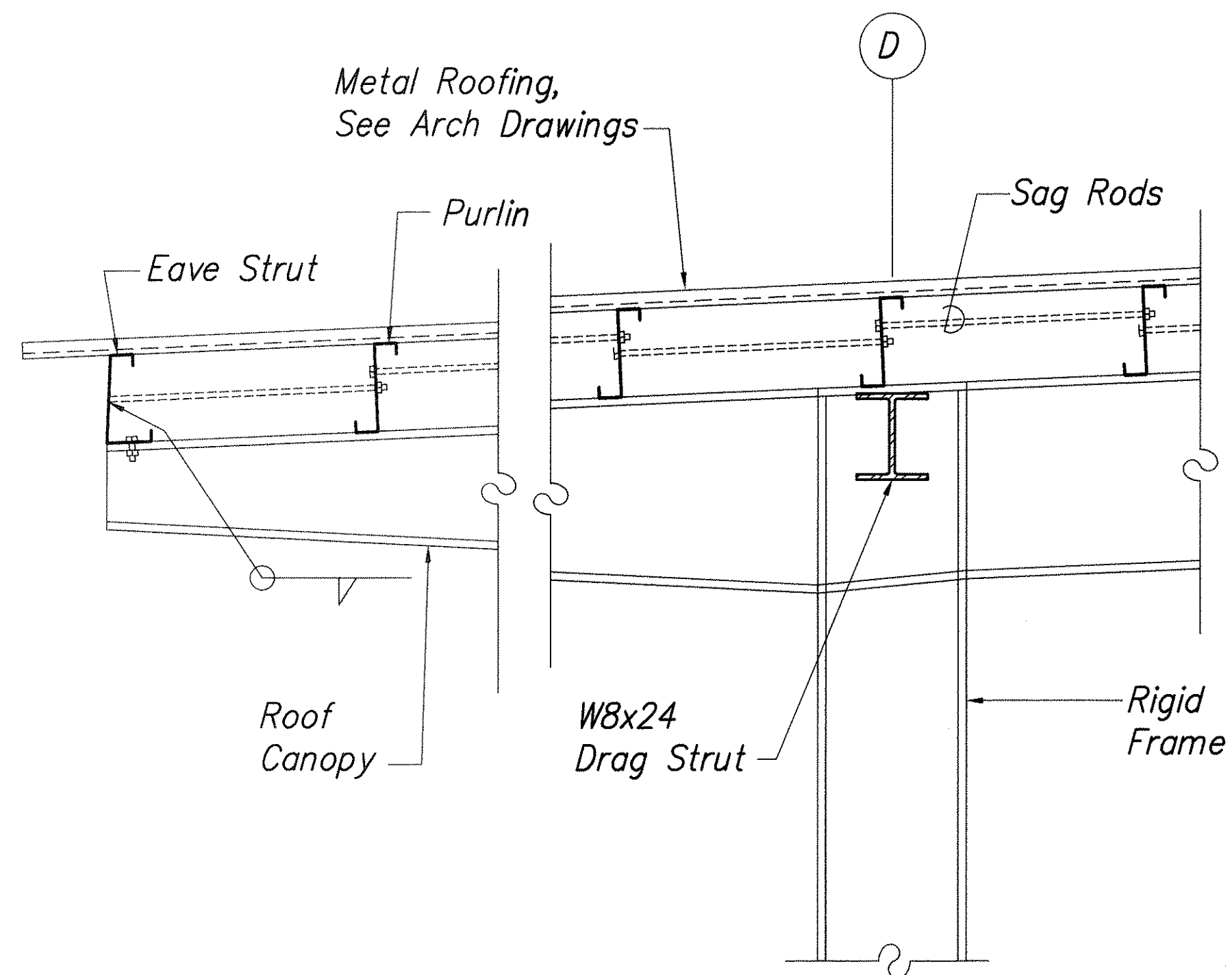
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
BUILDING B-
BUILDING SECTIONS

OAHU DISTRICT BASEYARD
FACILITIES
Project No. HWY-0-05-98

SCALE: AS NOTED DATE: APRIL 2000

SHEET No. S3.4 OF 116 SHEETS

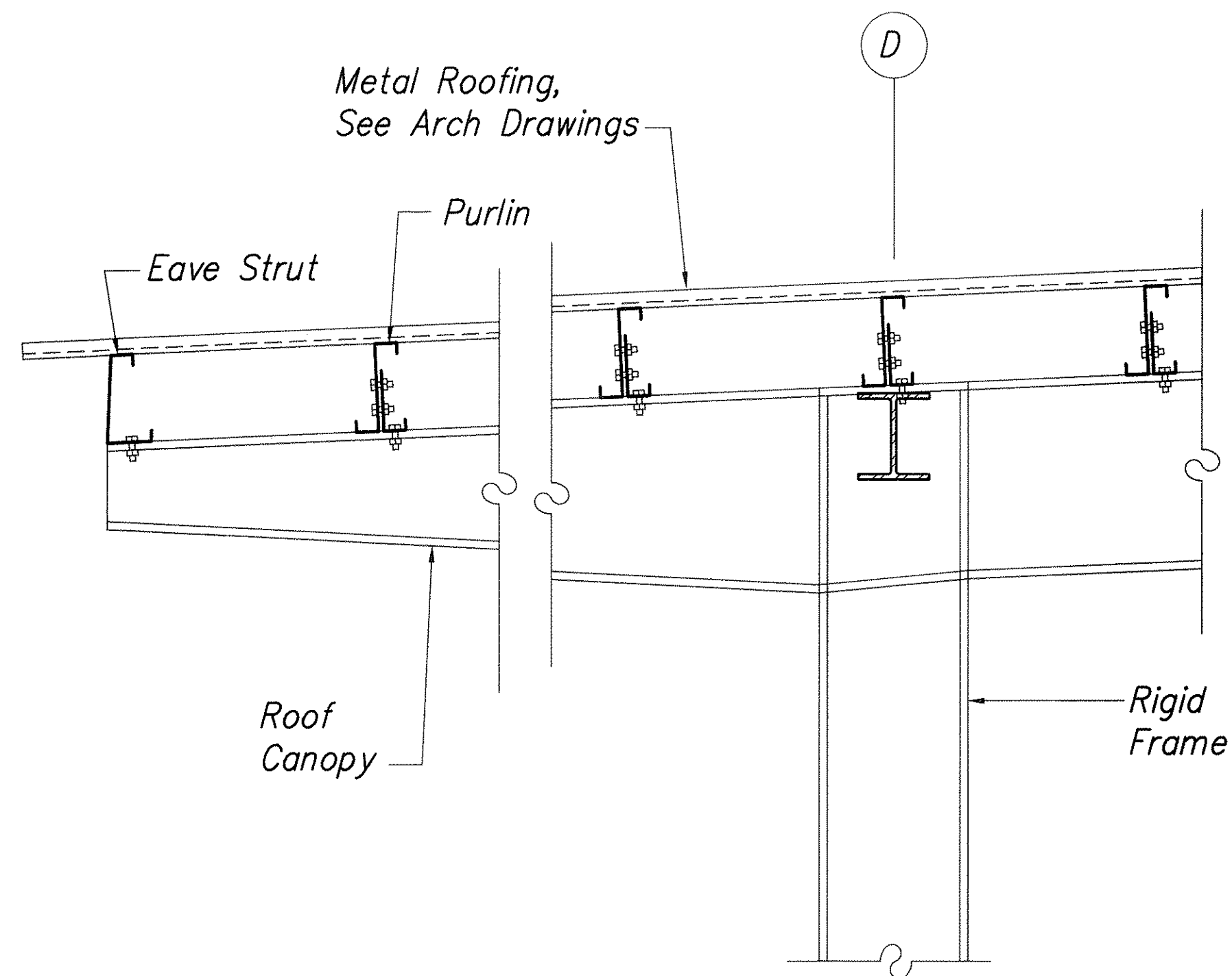
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	90	110



SECTION

Scale: 1" = 1'-0"

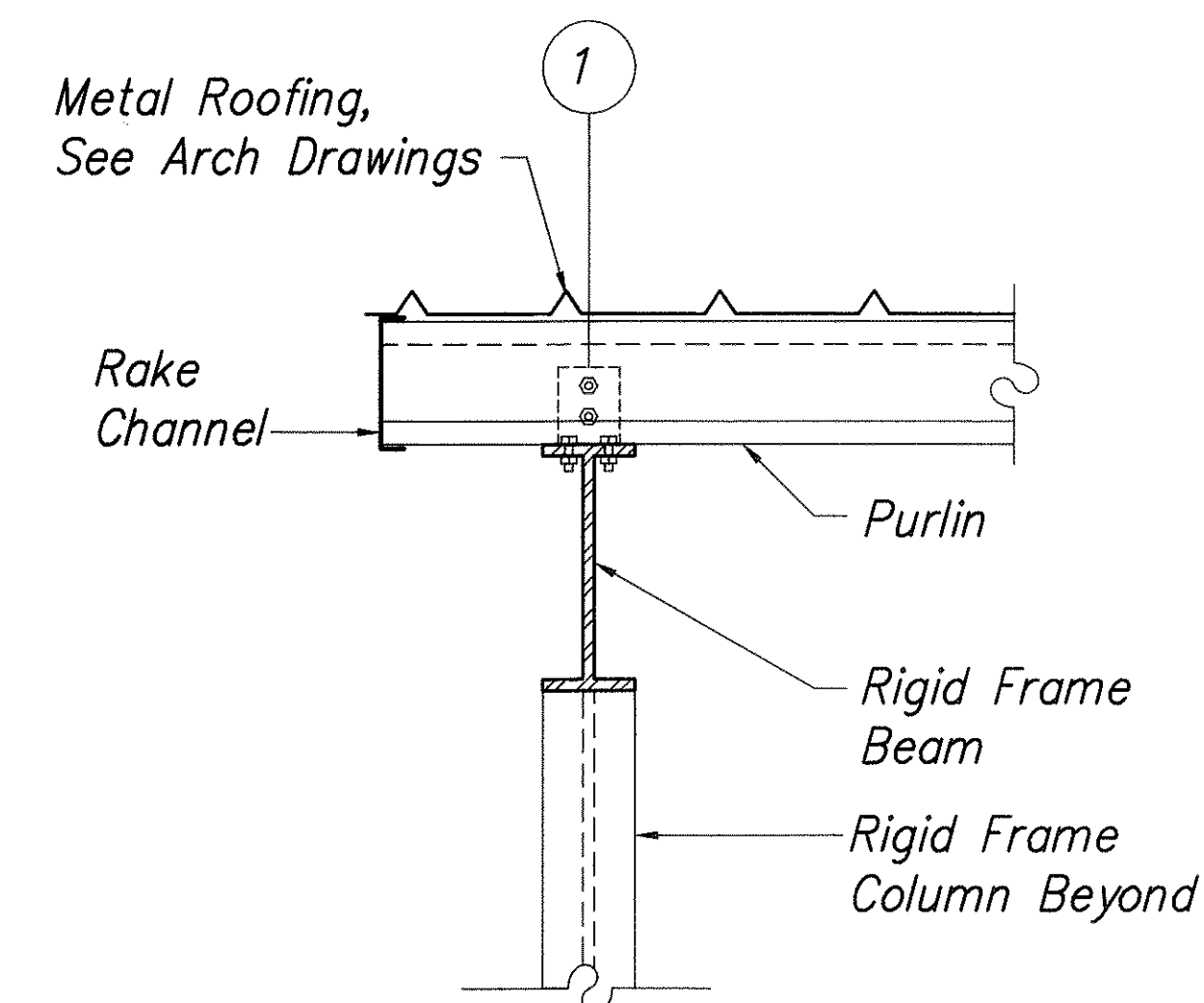
1
S3.3 | S3.5



SECTION

Scale: 1" = 1'-0"

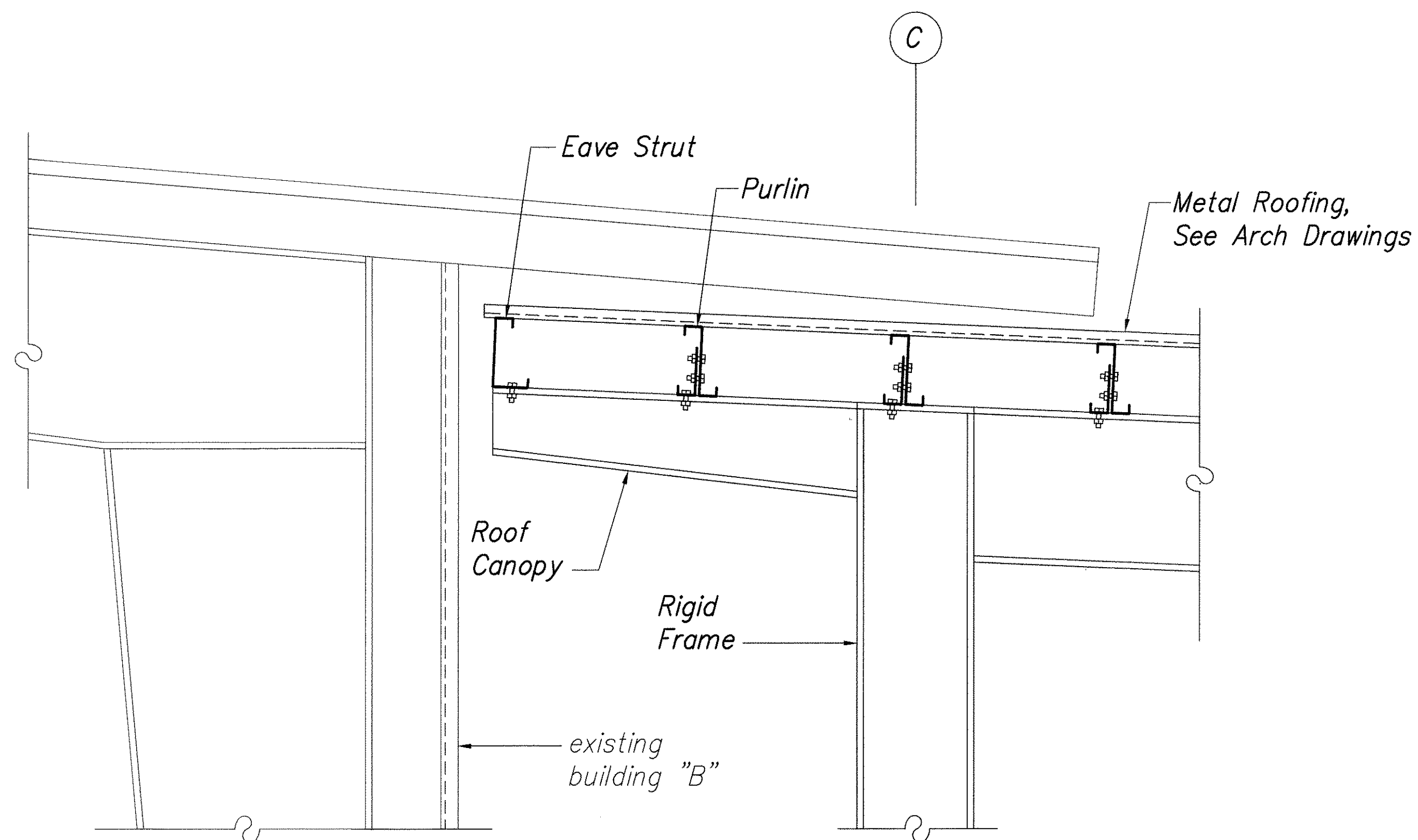
2
S3.3 | S3.5



SECTION

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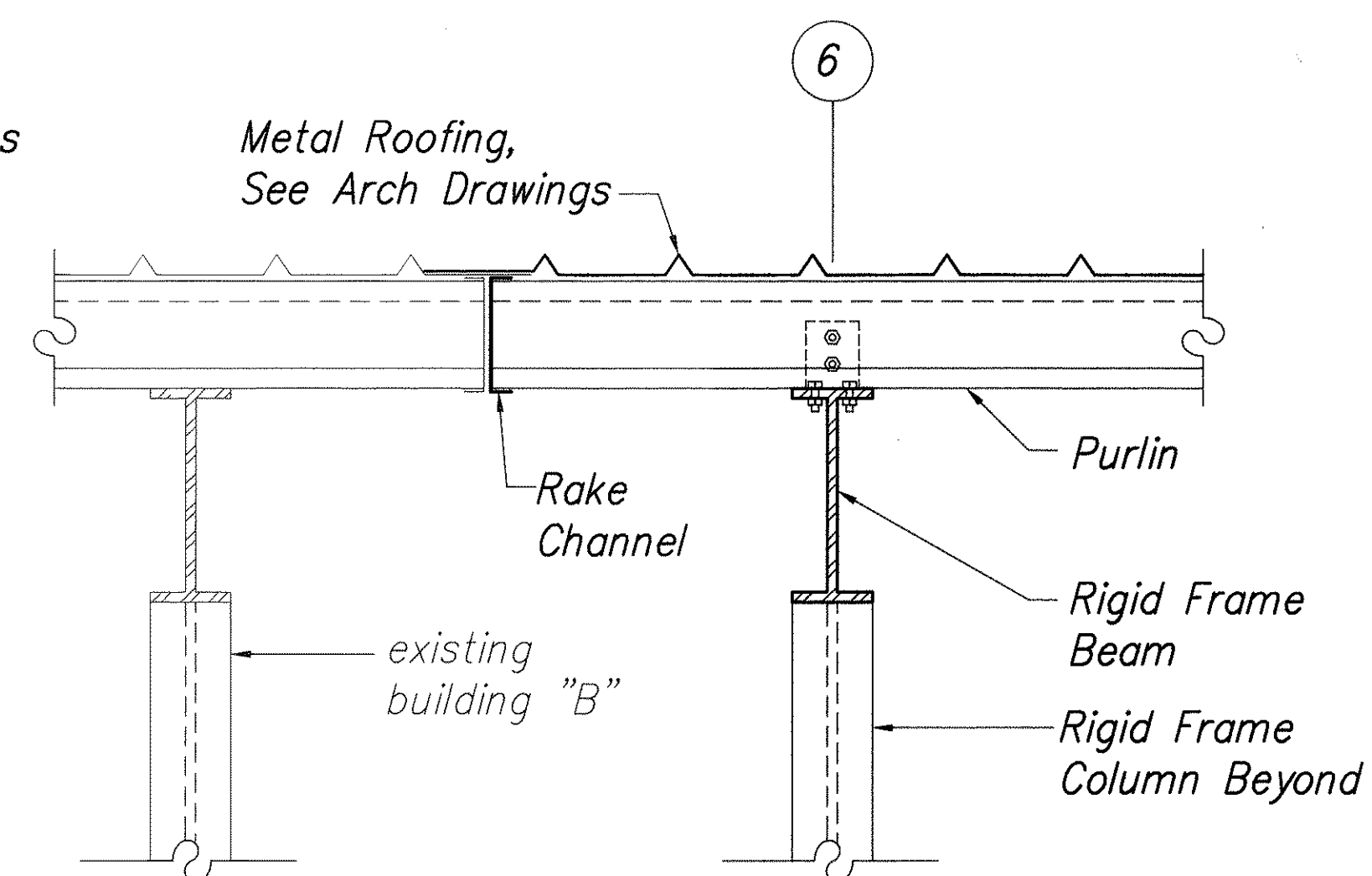
3
S3.3 | S3.5



SECTION

Scale: 1" = 1'-0"

4
S3.3 | S3.5

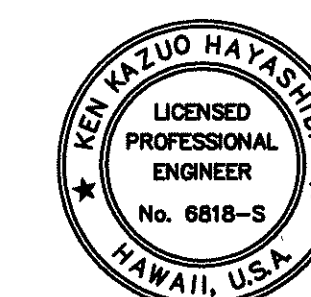


SECTION

Scale: 1" = 1'-0"

5
S3.3 | S3.5

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

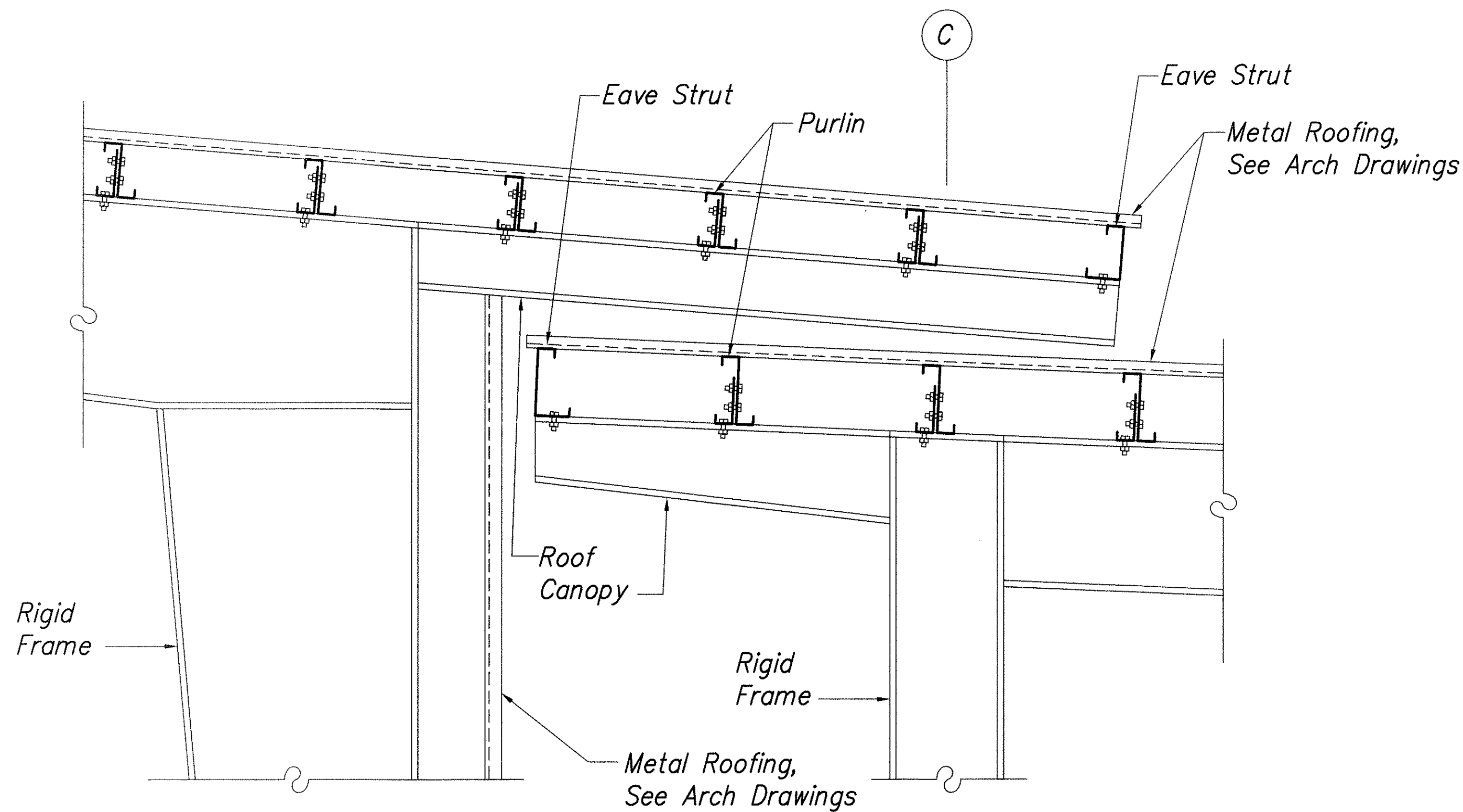


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S3.5

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
BUILDING B-	
ROOF DETAILS	
OAHU DISTRICT BASEYARD FACILITIES	
Project No. HWY-0-05-98	
SCALE: AS NOTED	DATE: APRIL 2000
SHEET No. S3.5 OF 110 SHEETS	

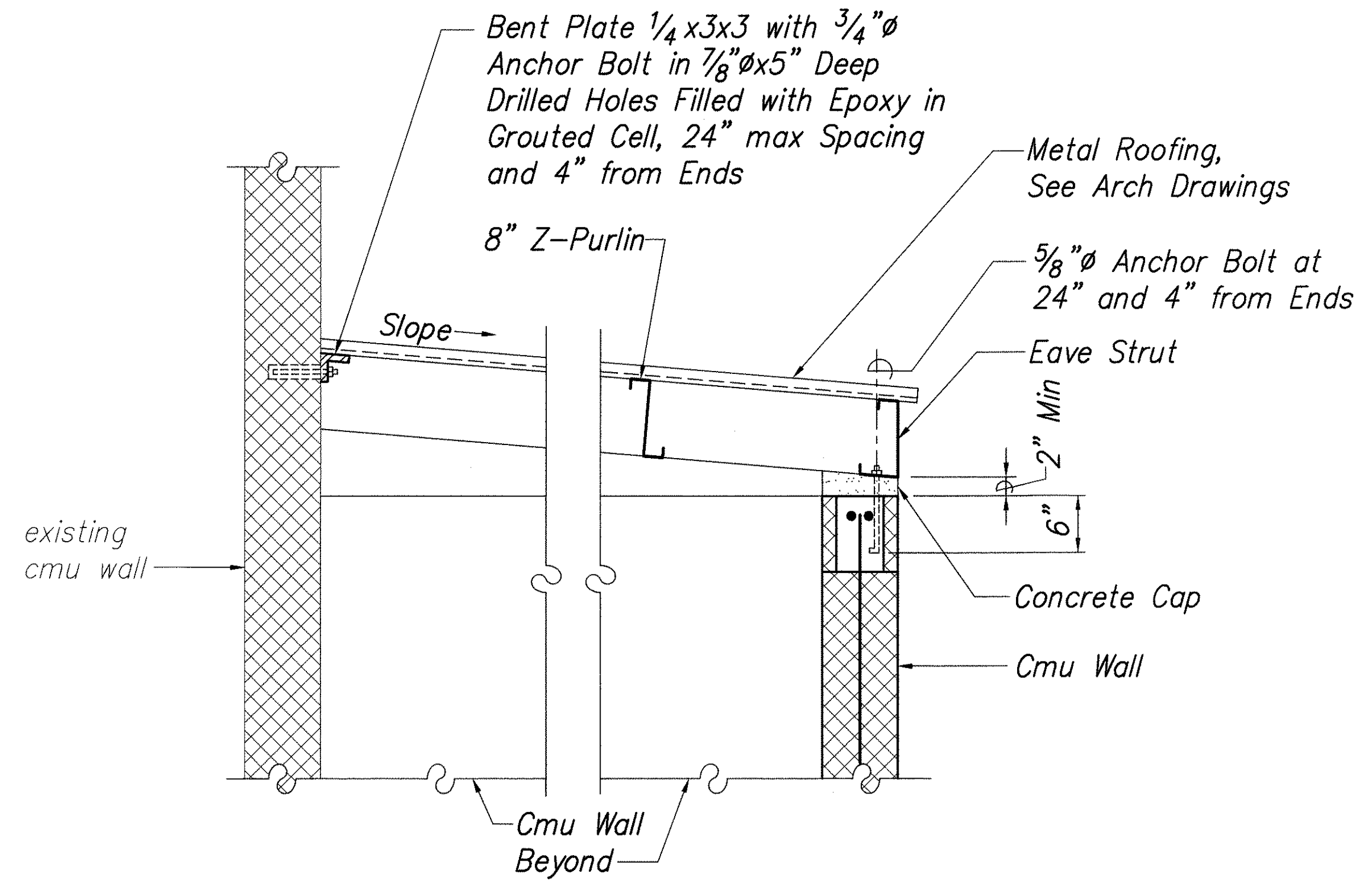
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	91	116



SECTION

Scale: 1" = 1'-0"

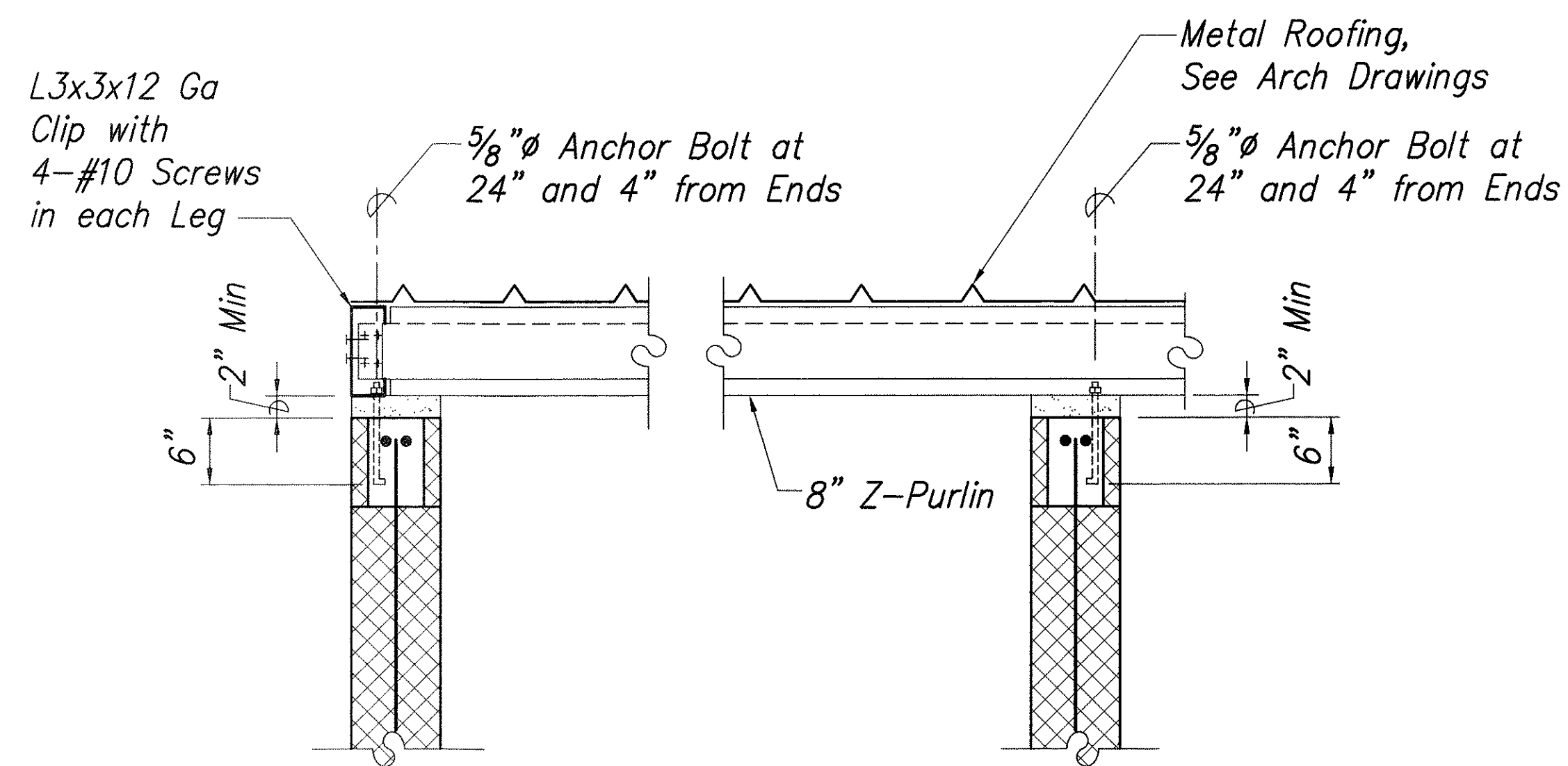
1
S3.3 | S3.6



SECTION

Scale: 1" = 1'-0"

2
S3.3 | S3.6

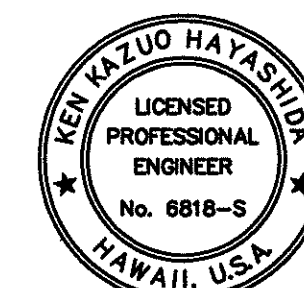


SECTION

Scale: 1" = 1'-0"

3
S3.3 | S3.6

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
	NO.	

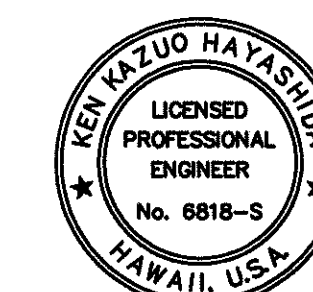
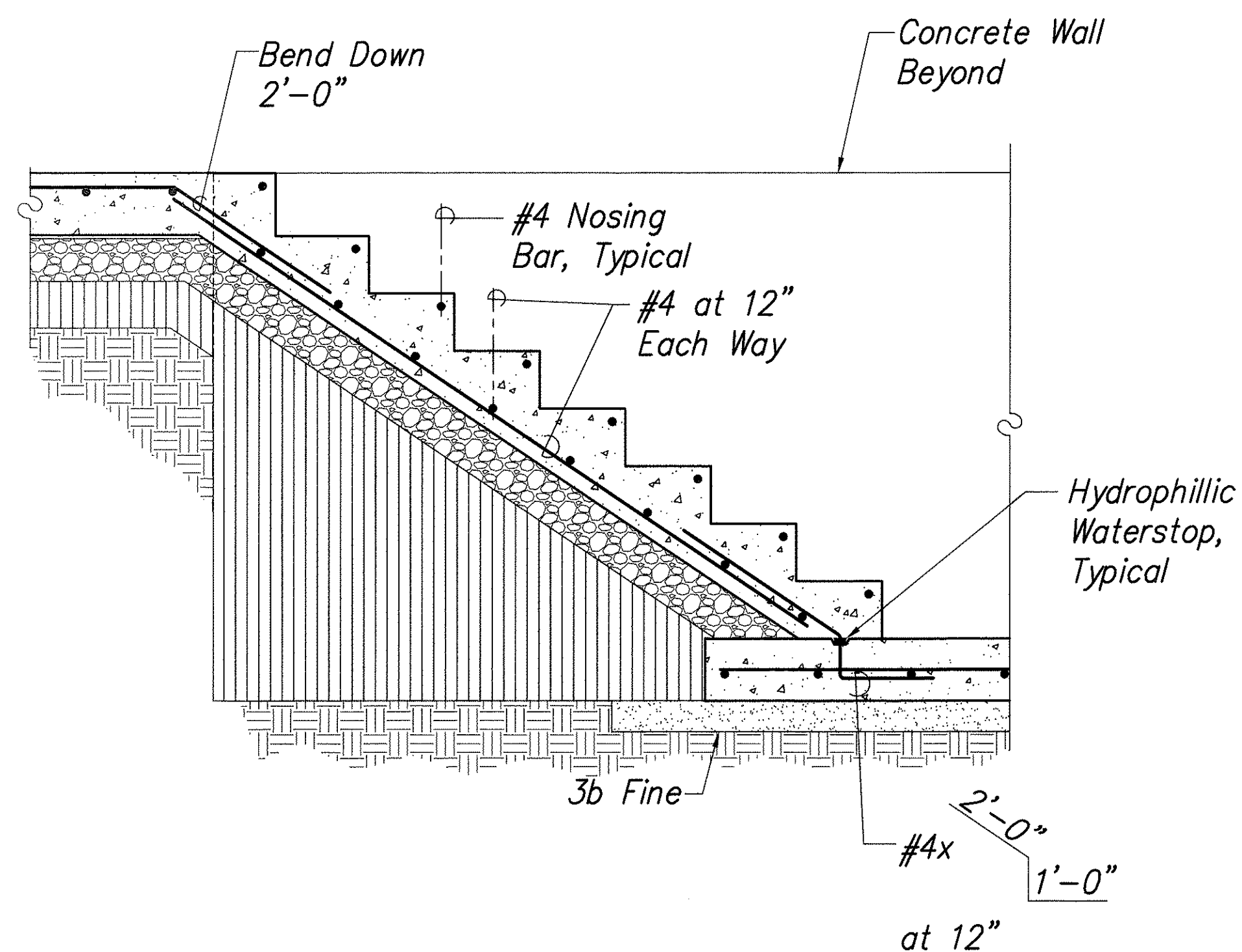
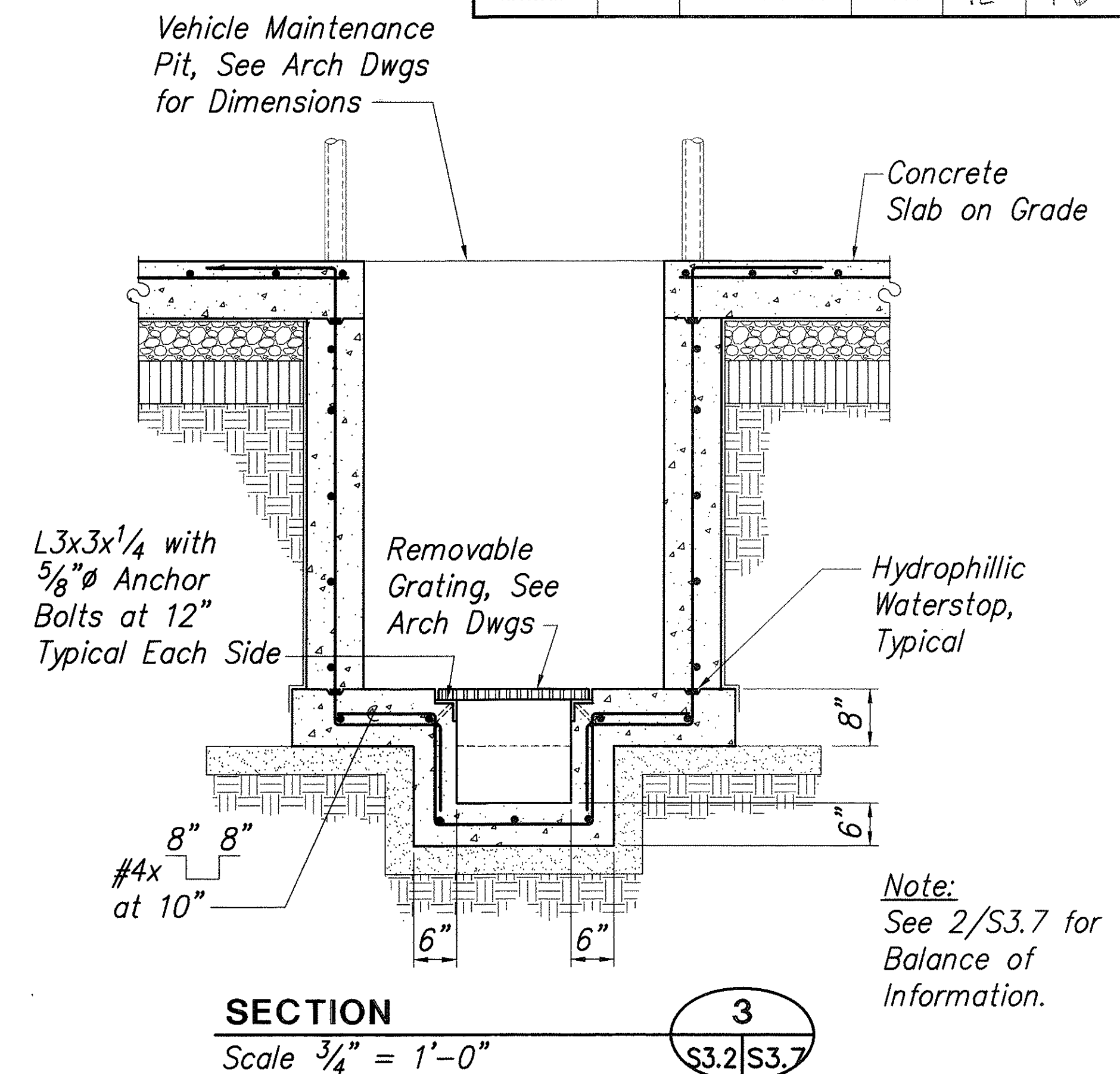
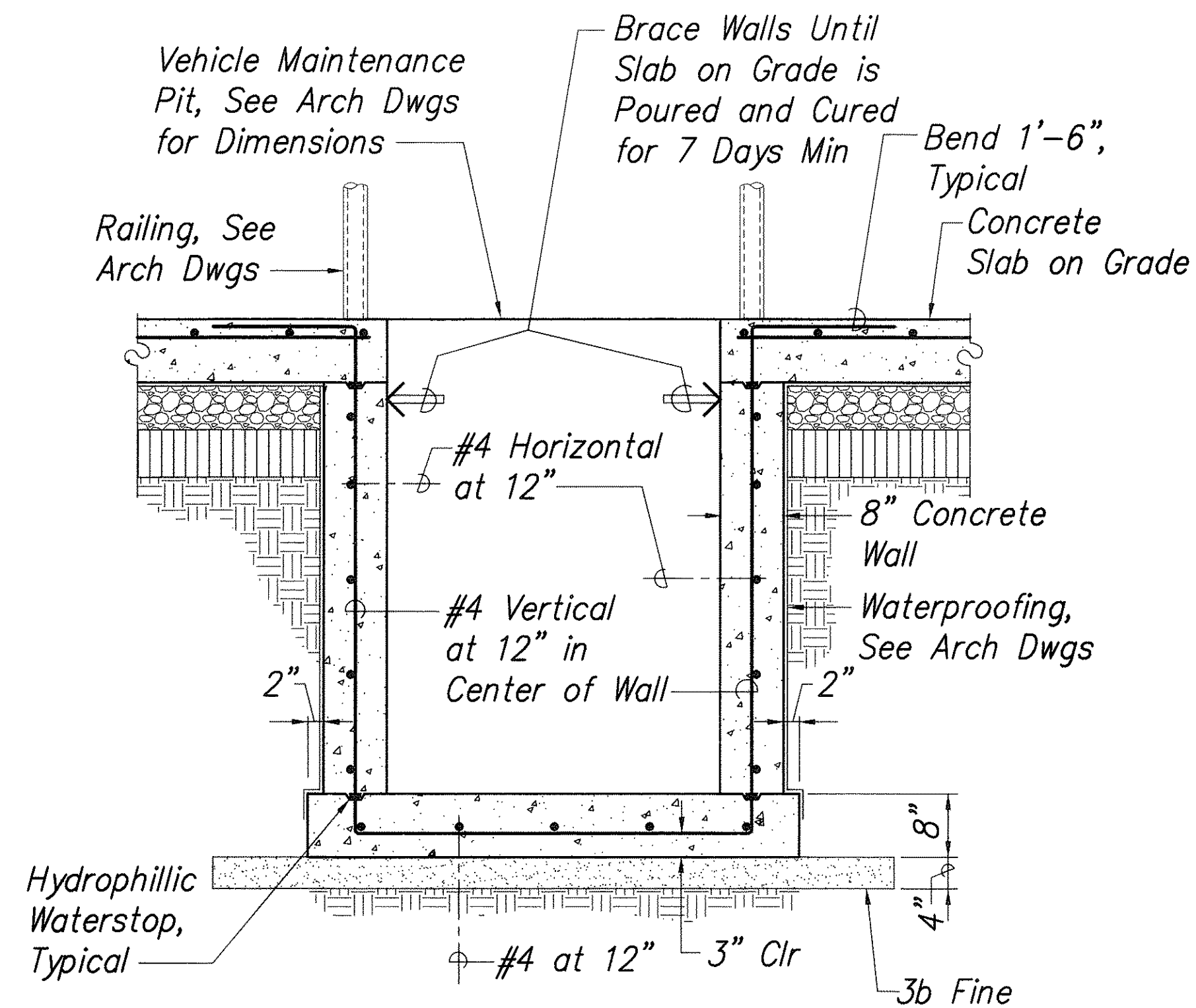
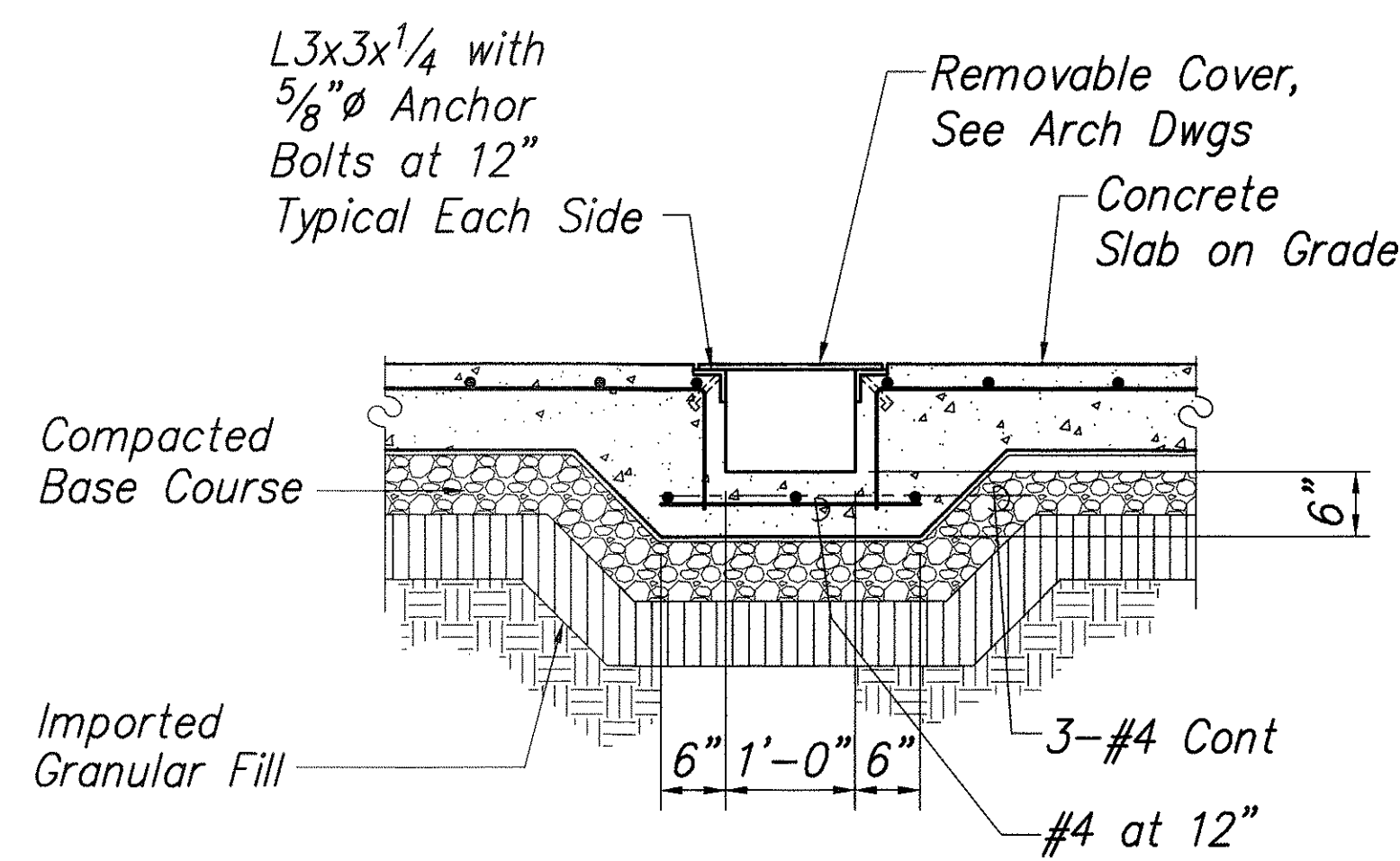


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S3.6

STATE OF HAWAII	
DEPARTMENT OF TRANSPORTATION	
HIGHWAYS DIVISION	
BUILDING B-	
ROOD DETAILS	
OAHU DISTRICT BASEYARD FACILITIES	
Project No. HWY-0-05-98	
SCALE: AS NOTED	DATE: APRIL 2000
SHEET No. S3.6 OF 116 SHEETS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-05-98	2000	92	116



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S3.7

STATE OF HAWAII	
DEPARTMENT OF TRANSPORTATION	
HIGHWAYS DIVISION	
BUILDING B-	
VEHICLE MAINTENANCE PIT	
OAHU DISTRICT BASEYARD FACILITIES	
Project No. HWY-0-05-98	
SCALE: AS NOTED	DATE: APRIL 2000
SHEET No. S3.7 OF 116 SHEETS	