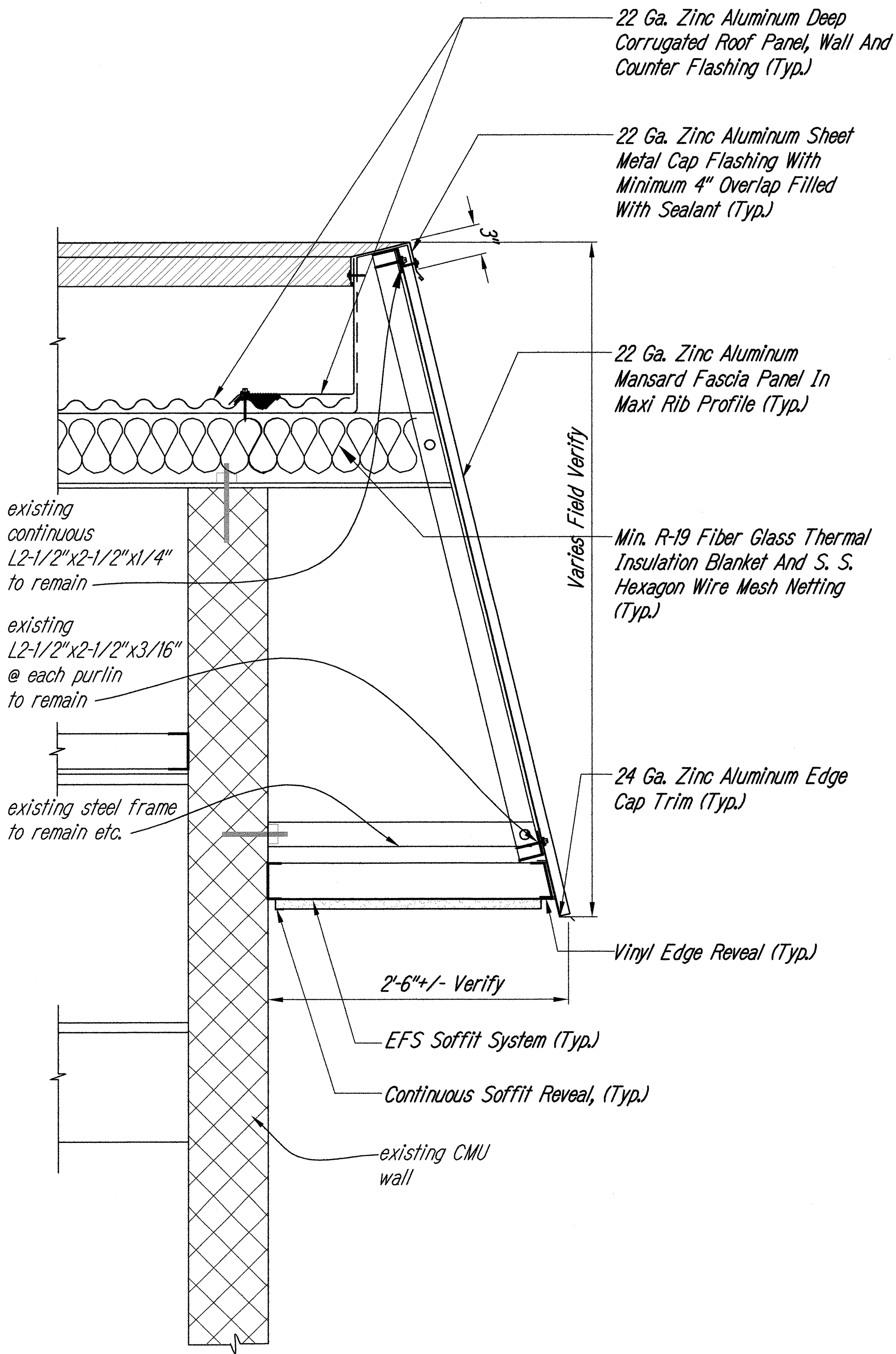
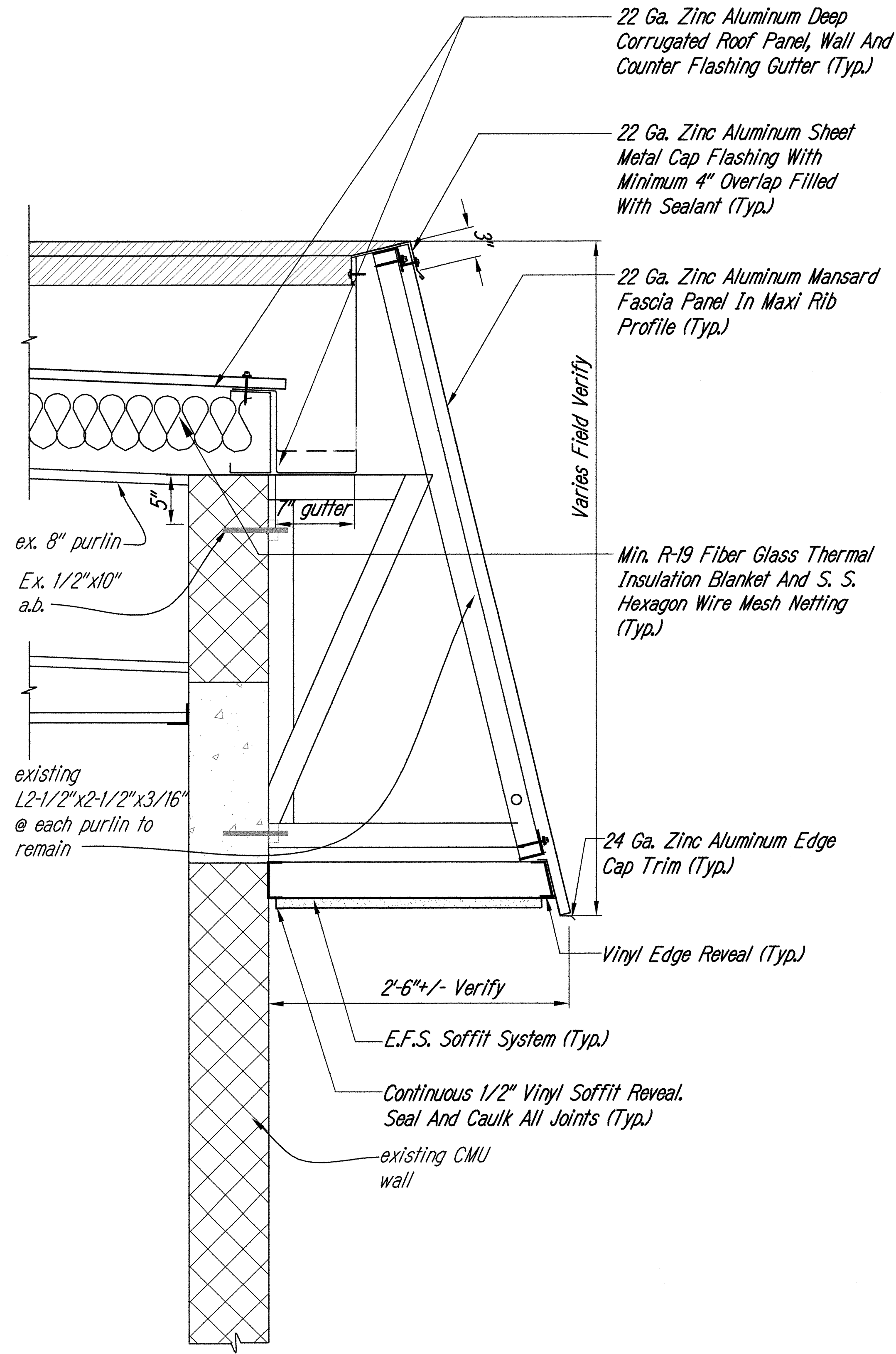


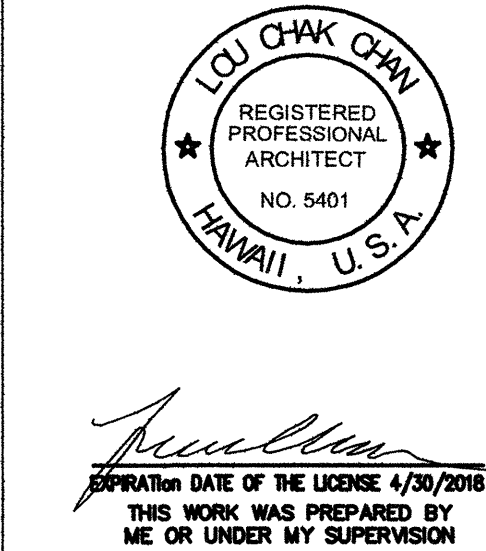
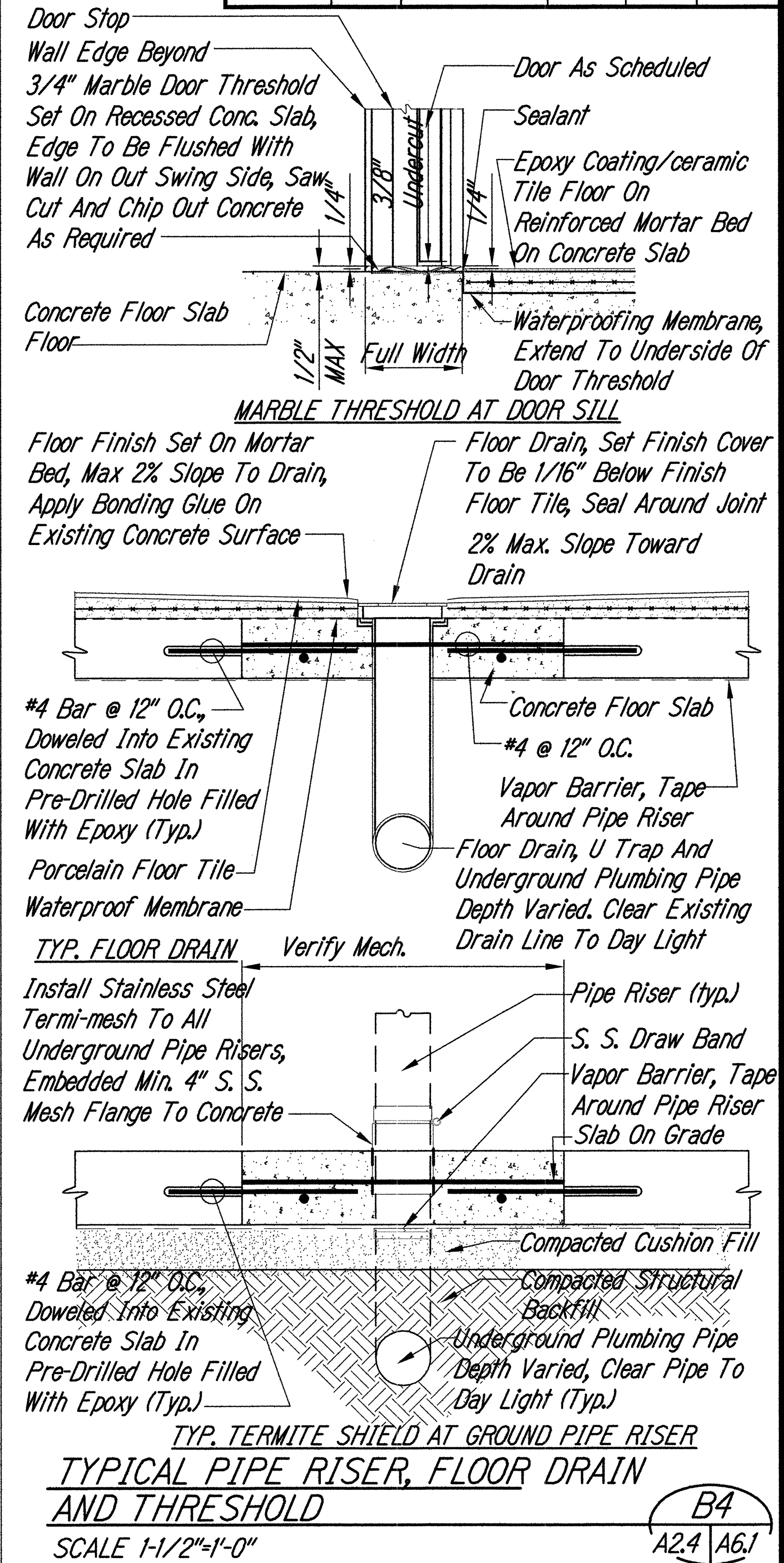
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08R	2016	32	69



ROOF RAKE FASCIA, SOFFIT AND CURB WALL SECTION A1
SCALE 1-1/2"=1'-0" A2.5, A2.7, A4.1 A6.1



ROOF EAVE FASCIA, SOFFIT AND GUTTER SECTION A2
SCALE 1-1/2"=1'-0" A2.5, A2.7, A4.1 A6.1



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

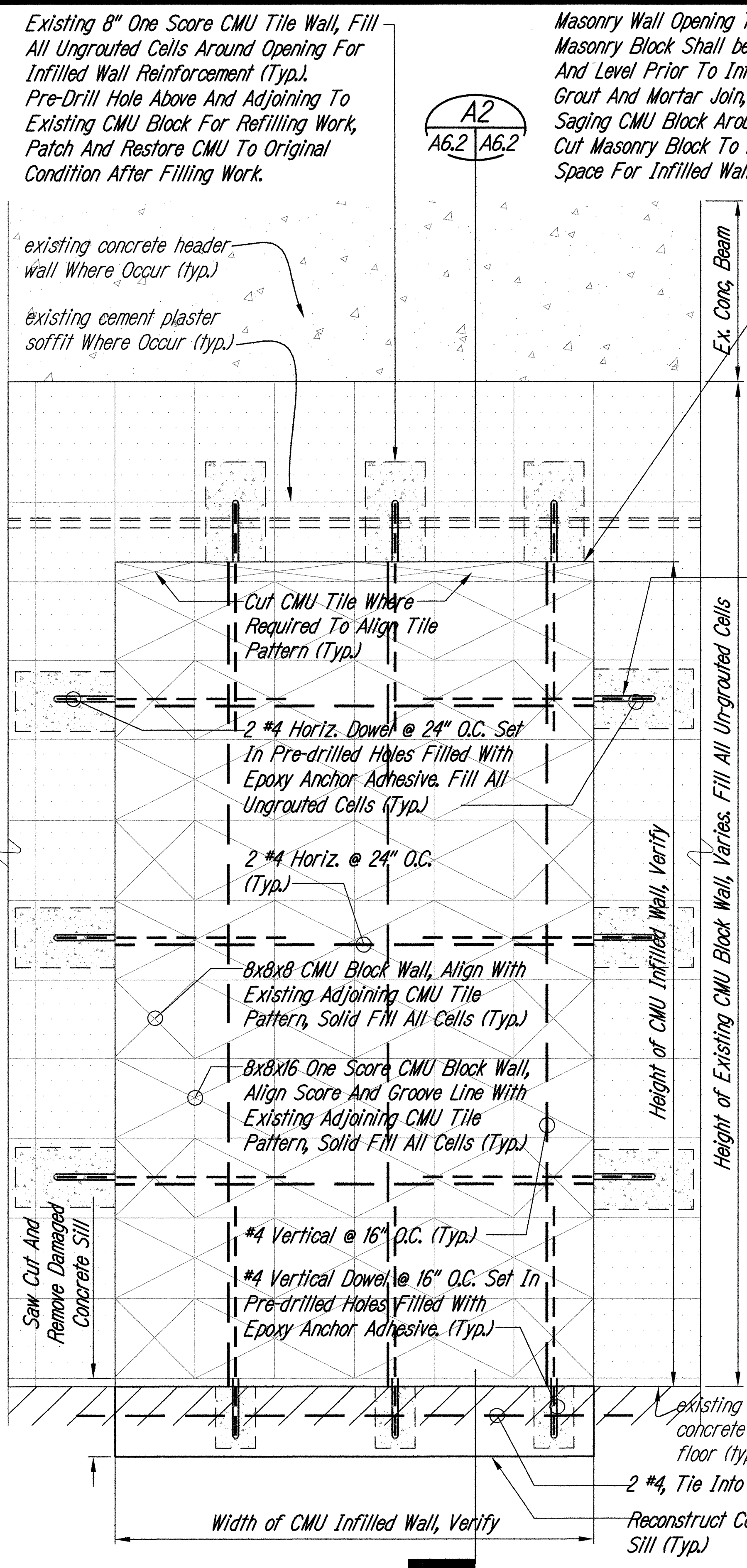
EXTERIOR WALL SECTIONS

MOTOR VEHICLE SAFETY OFFICE
RENOVATION
Project No. HWY-0-02-08R
Scale: As Noted Date: April, 2016

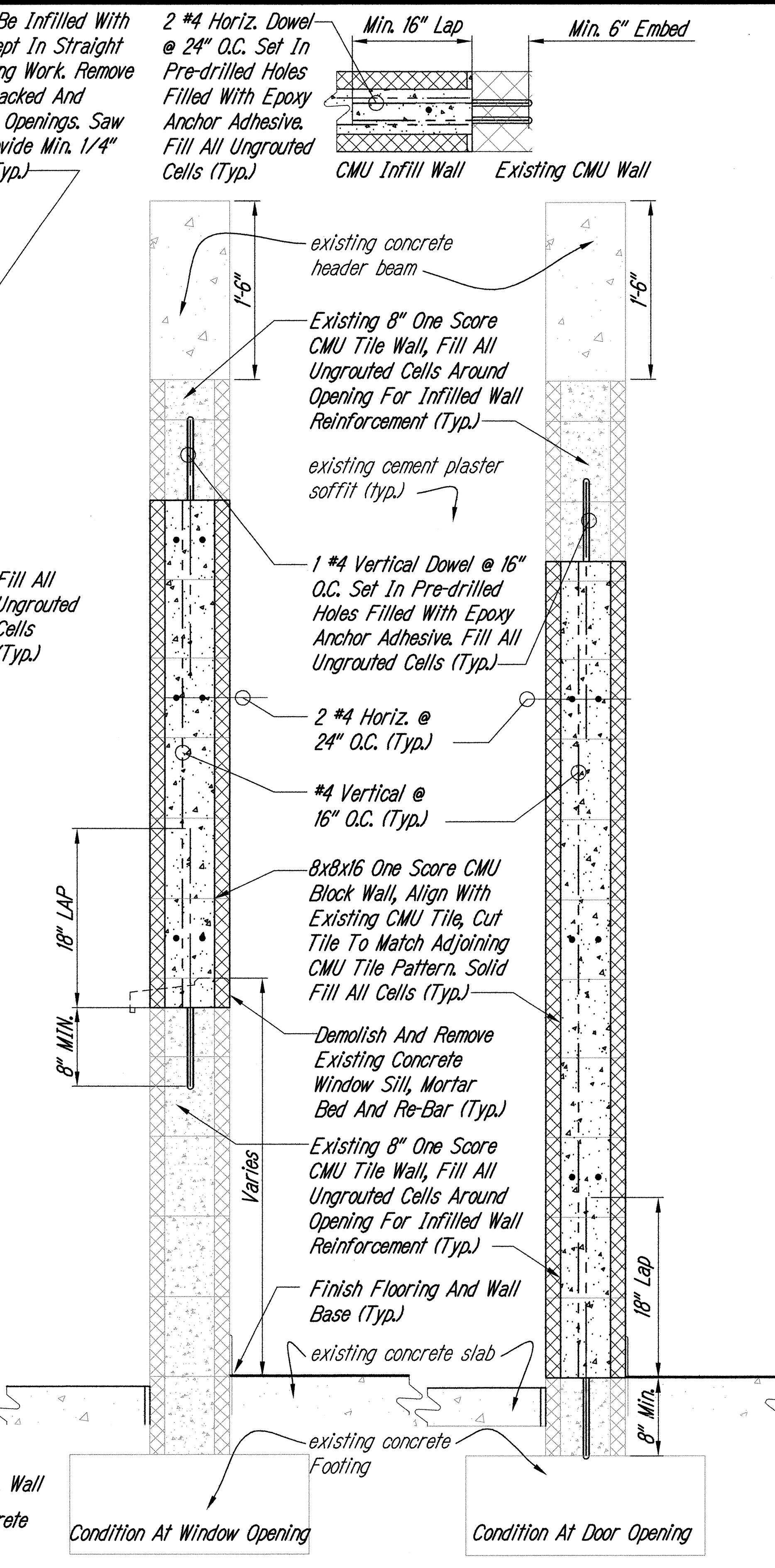
SHEET No. A6.1 OF 69 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
CHECKED BY	
NOTED BY	
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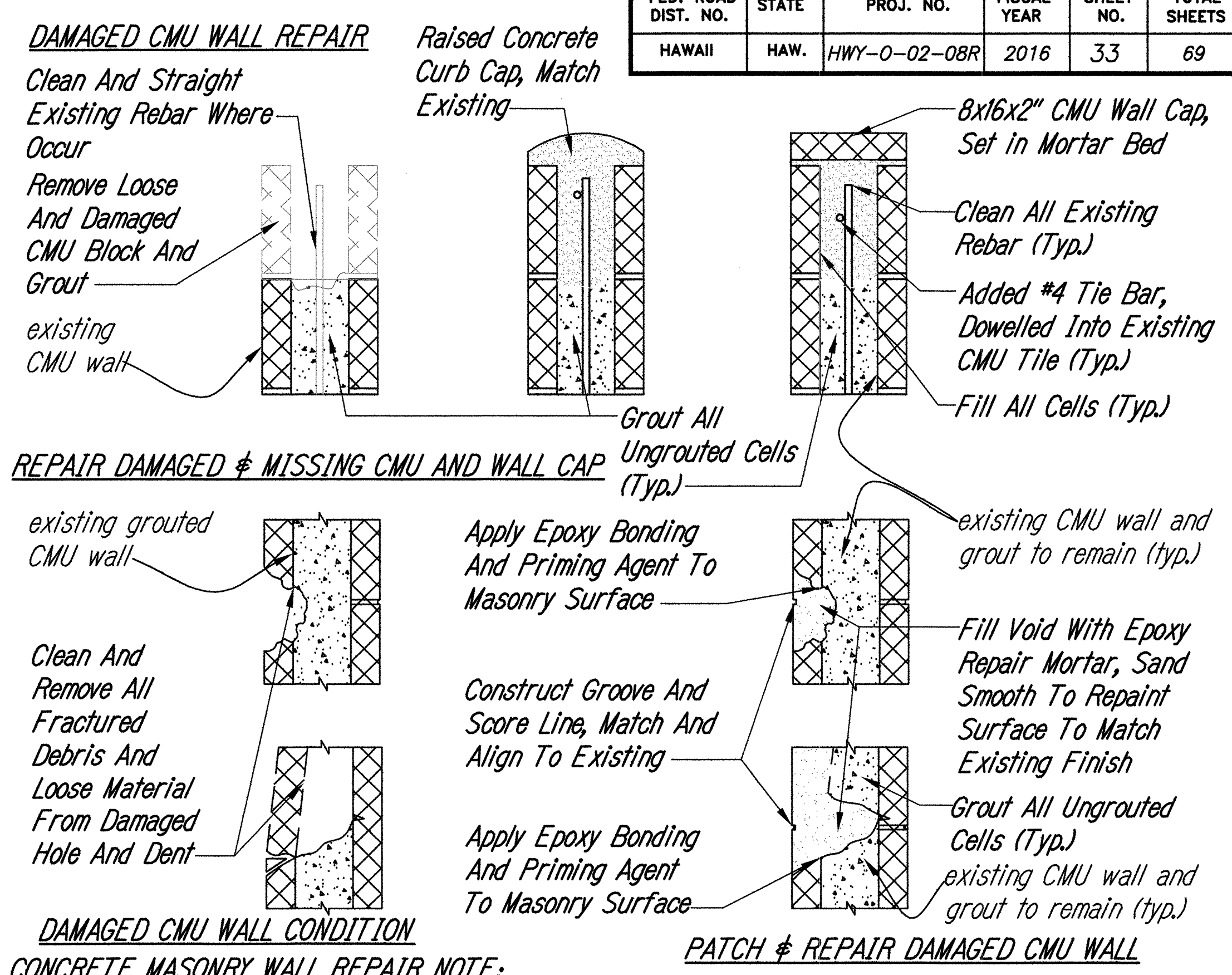
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08R	2016	33	69



CMU WALL OPENING INFILLED PATTERN DETAIL A1
Scale 1 1/2"=1'-0"
A2.3, A2.4, A3.1, A3.2 A6.2



CMU WALL WINDOW AND DOOR INFILLED DETAIL A2
Scale 1 1/2"=1'-0"
A2.3, A2.4, A6.2 A6.2



DAMAGED CMU WALL REPAIR
Clean And Straight Existing Rebar Where Occur
Remove Loose And Damaged CMU Block And Grout
existing CMU wall

REPAIR DAMAGED & MISSING CMU AND WALL CAP
existing grouted CMU wall

DAMAGED CMU WALL CONDITION
CONCRETE MASONRY WALL REPAIR NOTE:
For concrete and masonry surface and spall repair, Contractor shall remove all loose and spall material until sound concrete is encountered, chip out minimum 1/4" into sound concrete or masonry within spalled areas, clean and remove all rust and scale from existing reinforced steel and wire mesh. Before patching, coat concrete surface with cementitious epoxy bonding agent, coat steel with rust inhibitive solution. For repair surface deeper than 2 inches, add rebar, wire mesh and mechanical anchors at 8" O.C. each way (minimum 2 anchors per spalled concrete are where dimensions exceed 6" in either direction. For crack repair, Contractor shall clean and remove all damaged and loose CMU block. Loose debris, dust, previous filler and patch from cracks veer out cracks to a minimum depth of 1/2 inch at top of slab before application of repair materials. Finish of all concrete repair and replacement shall match to existing finish and texture, color shall be close match to adjoining concrete surface. Pre-drill ungrouted CMU above and adjoining to existing CMU to be grouted.

RUST INHIBITIVE SOLUTION AND EPOXY BONDING AGENT
Rust inhibitive solution and bonding agent on existing surface: Armatec 110 Epocem, Tnemec 10-99 Primer, Master Builder Emaco P22 or other approved equal products.

EPOXY CONCRETE PATCH AND REPAIR
Sikatox 122 Plus 2 Components Repair Mortar (horizontal), Sikatox 123 Epoxy Repair Mortar Plus 2 Component (vertical), Planitop 15 or other approved equal products, add 1/4" pebble for patch 2" and deeper.

CMU GROUT, INFILL AND REINFORCEMENT
3B fine gravel minimum 4,000 Psi concrete mix. with added fiber mesh mix. For void over 2" in depth, add 3/8" S. S. threaded concrete masonry anchor, S. S. #3 deformed bar, 10 Ga. stainless steel wiring.

EPOXY ANCHORING ADHESIVE FOR REBAR AND ANCHOR BOLT
Simpson Set-XP structural epoxy-tie anchoring adhesive fill in pre-drilled hole, HY-150 By Hilti Corp. ICBO No. 5193

MASONRY WALL REPAIR DETAILS AND NOTES
SCALE 1-1/2"=1'-0"
A0.2, A6.2
A1.1, A1.2, A2.3, A2.4, A3.2



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

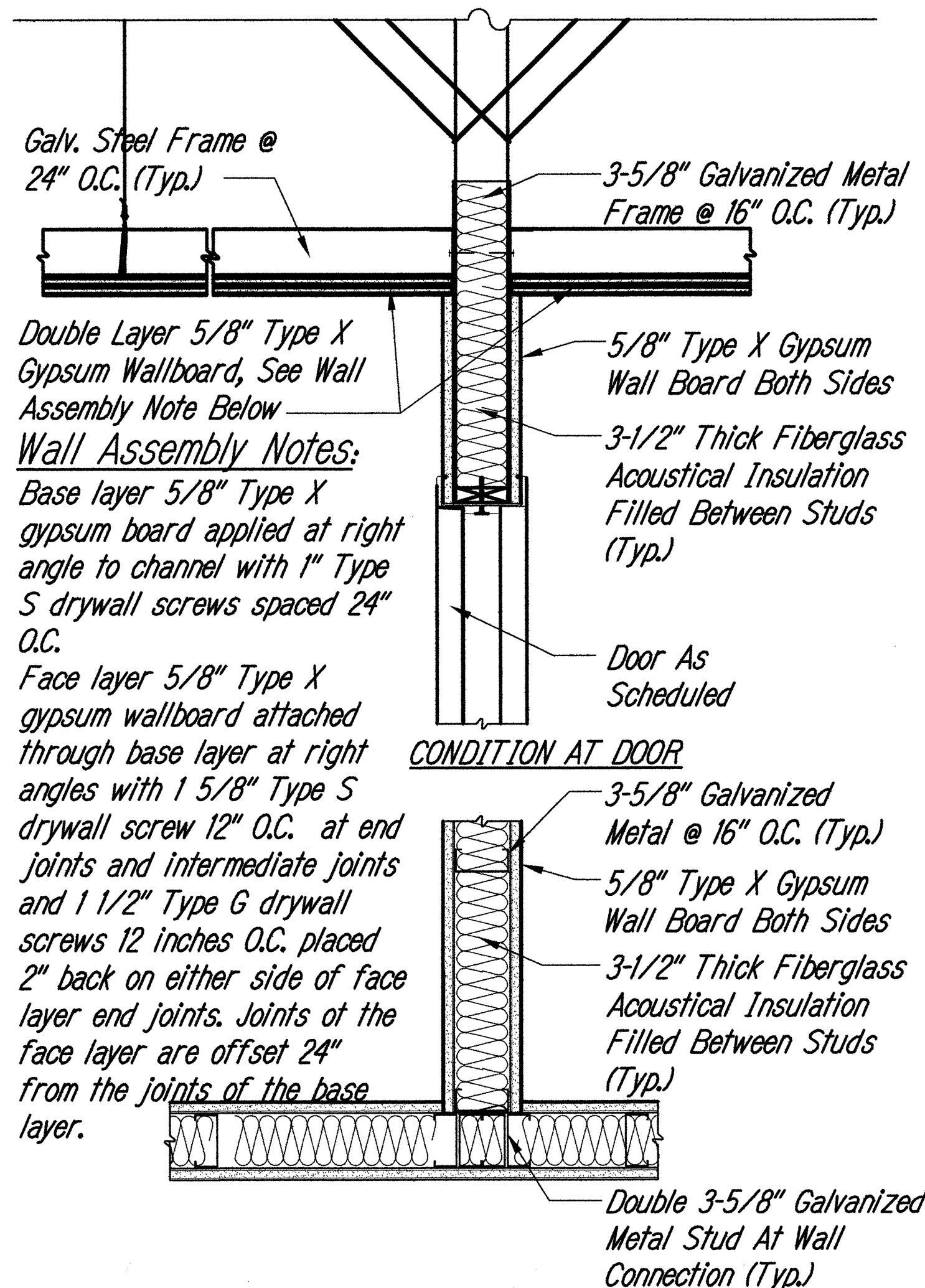
CMU WALL INFILL & REPAIR DETAILS

MOTOR VEHICLE SAFETY OFFICE
RENOVATION
Project No. HWY-0-02-08R
Scale: As Noted Date: April, 2016

SHEET No. A6.2 OF 69 SHEETS

ORIGINAL PLAN	DATE
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NO.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08R	2016	34	69

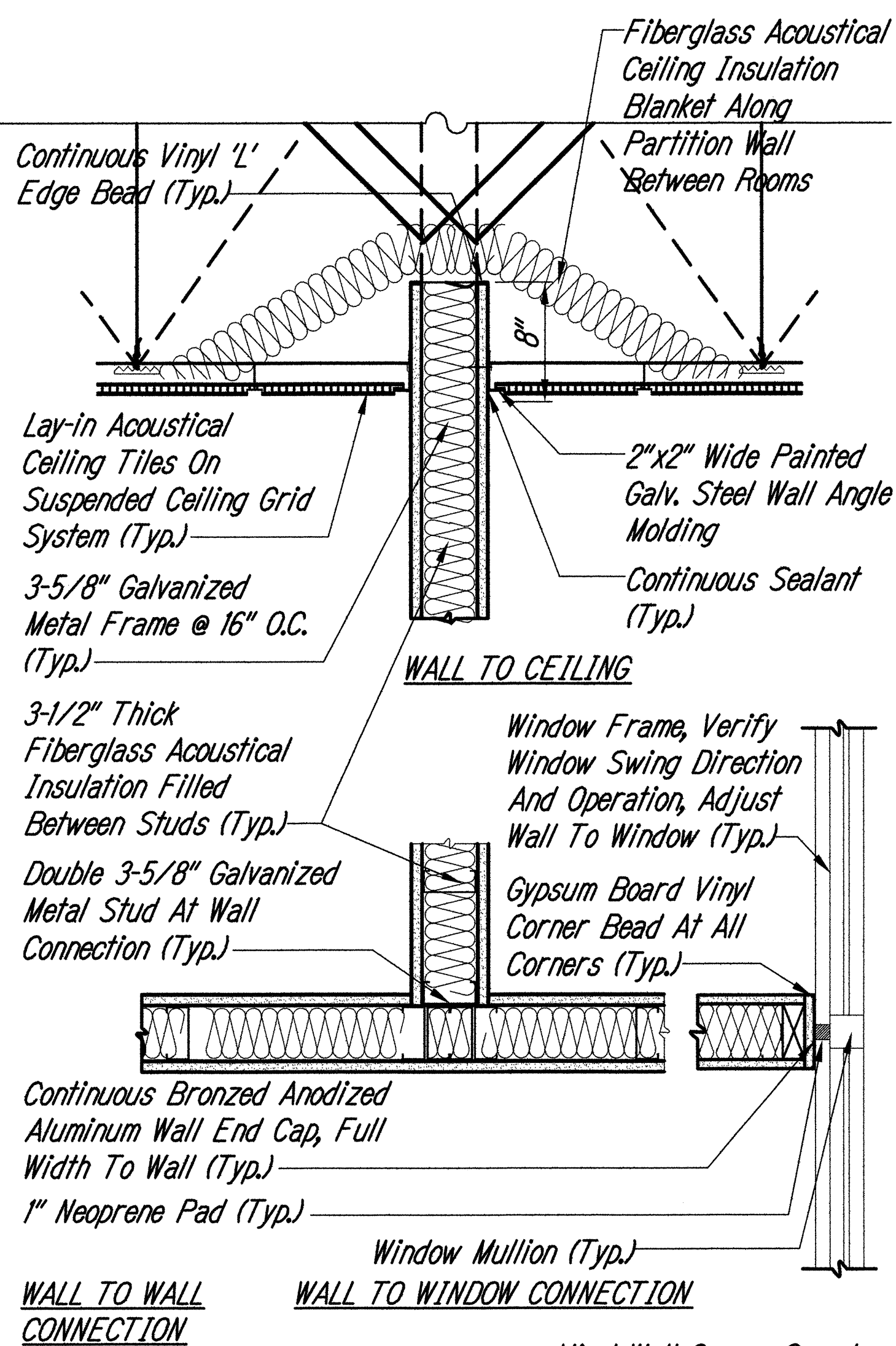


GYPSUM BOARD WALL AND CEILING AT CORRIDOR

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

A1

A2.3, A2.4 | A6.3

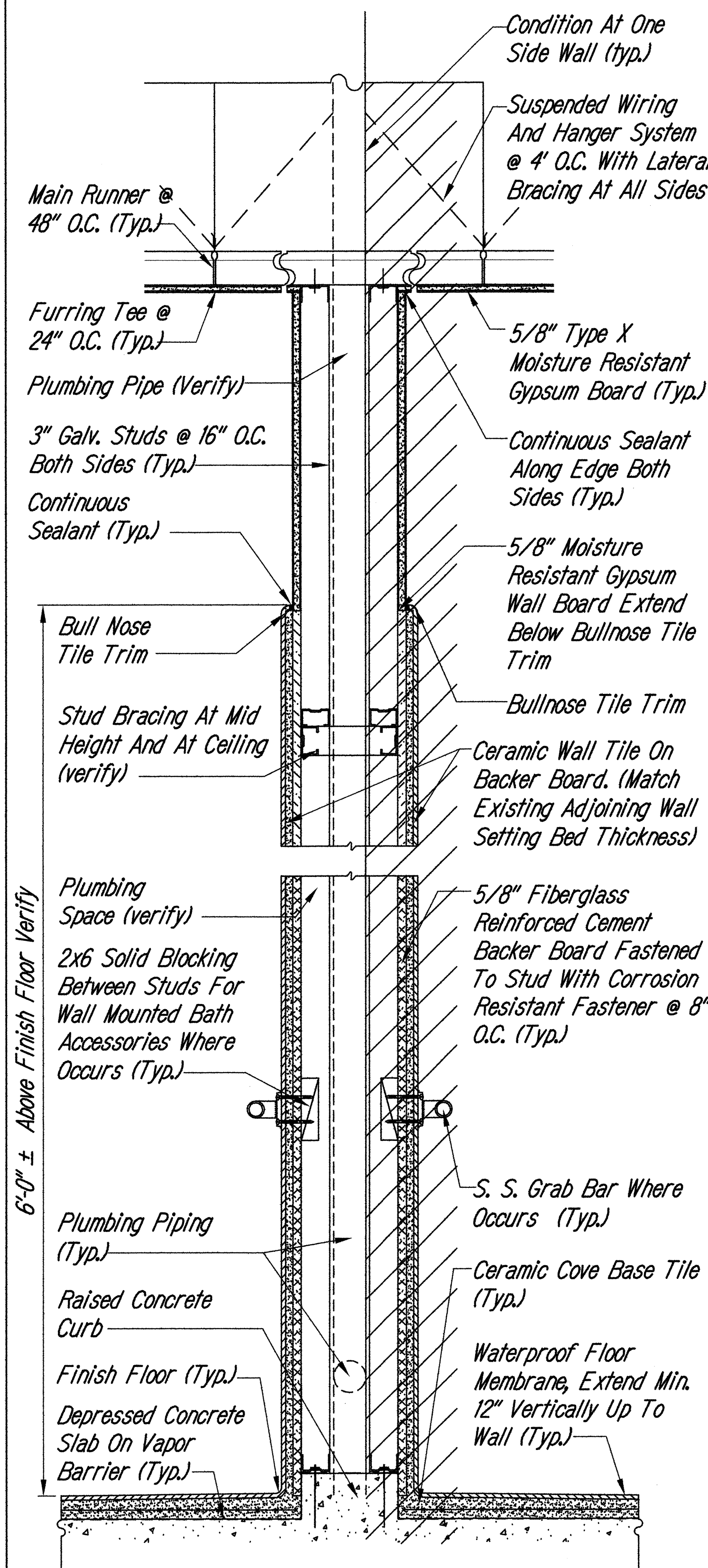


GYPSUM BOARD WALL BETWEEN OFFICES

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

A2

A2.3, A2.4 | A6.3

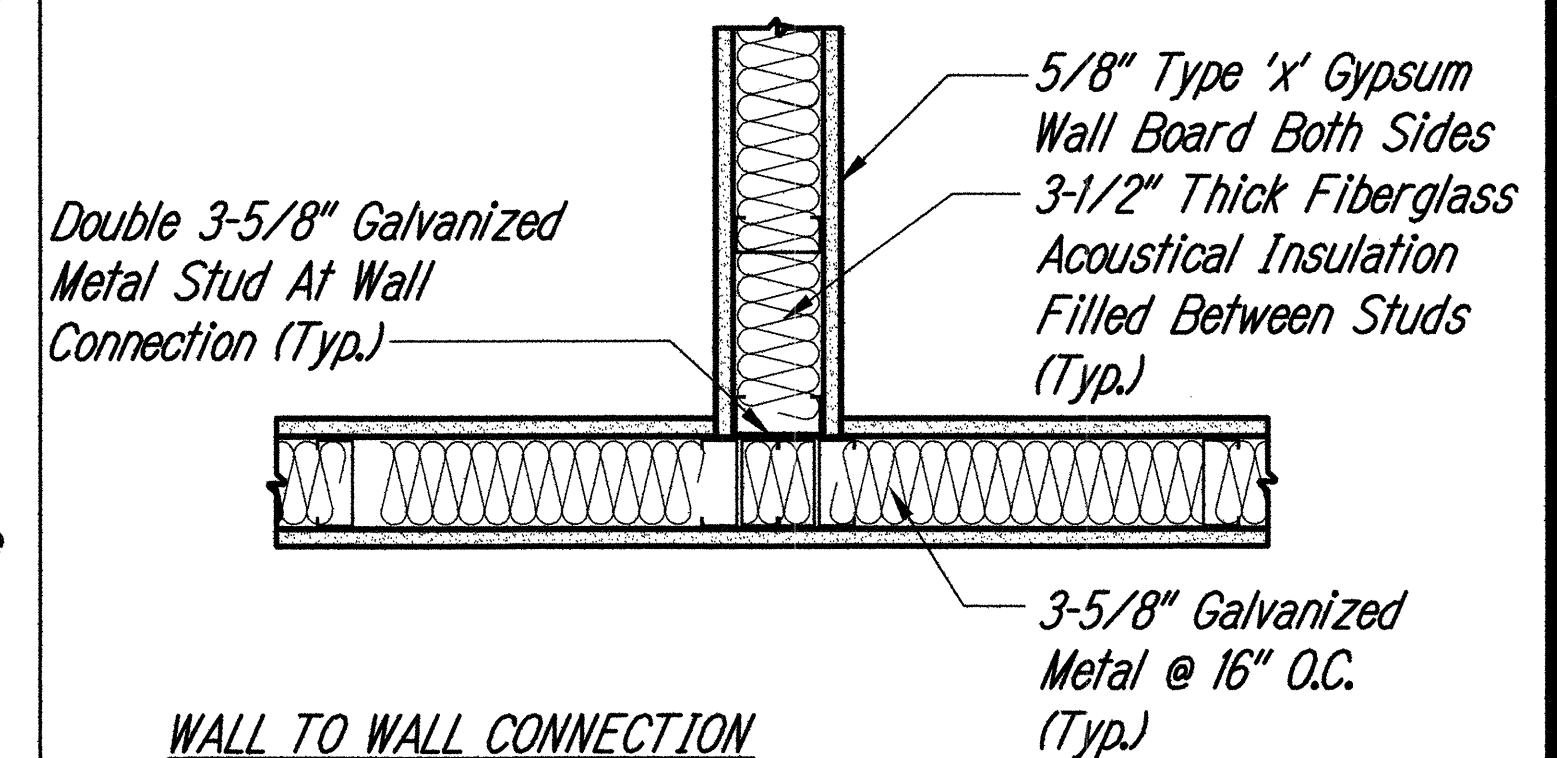
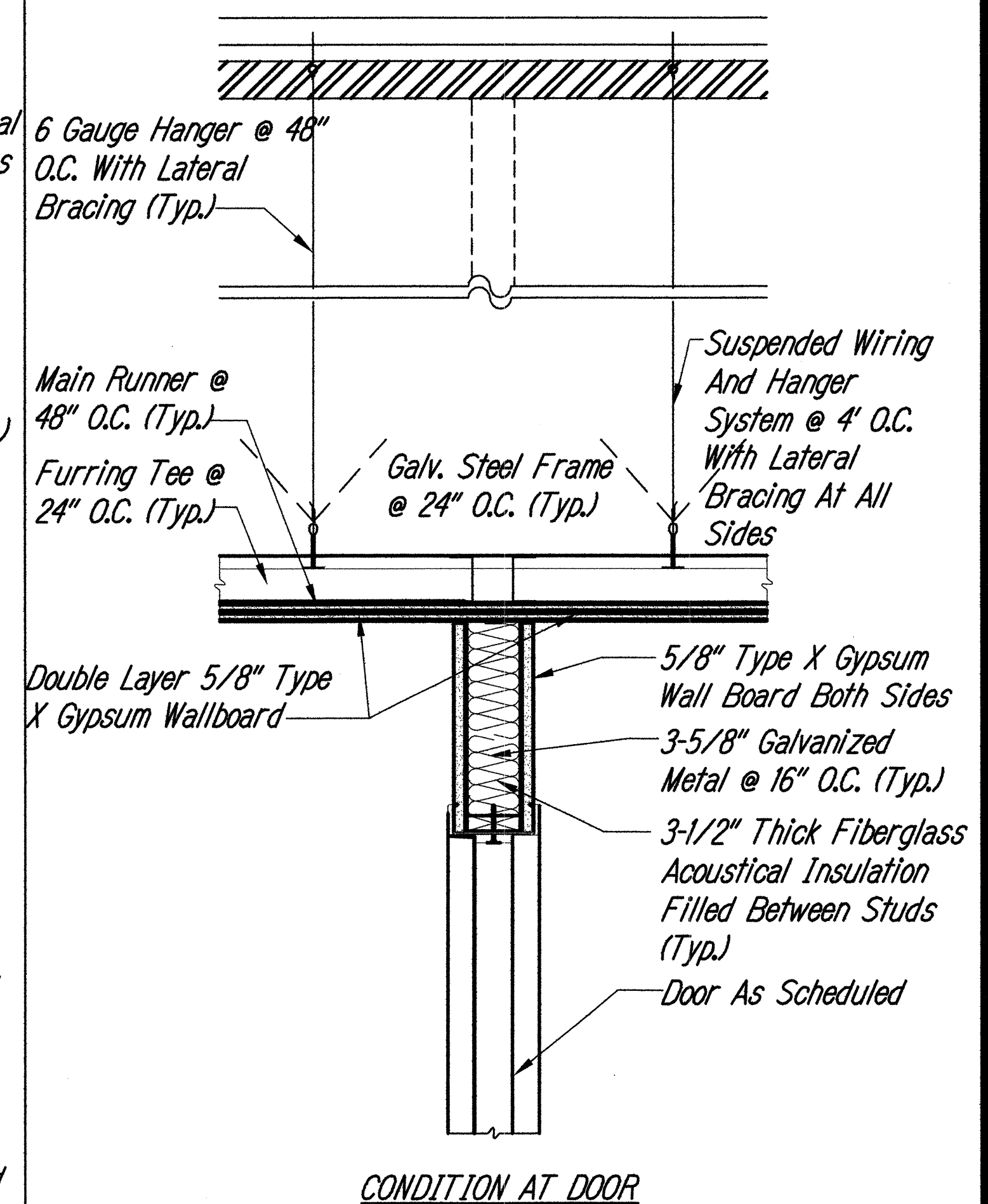


FURRED OUT GYPSUM BOARD PLUMBING WALL

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

A3

A2.3, A2.4 | A6.3



GYPSUM BOARD WALL CORRIDOR WALL

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

B4

A2.3, A2.4 | A6.3



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERIOR WALL SECTIONS

MOTOR VEHICLE SAFETY OFFICE RENOVATION

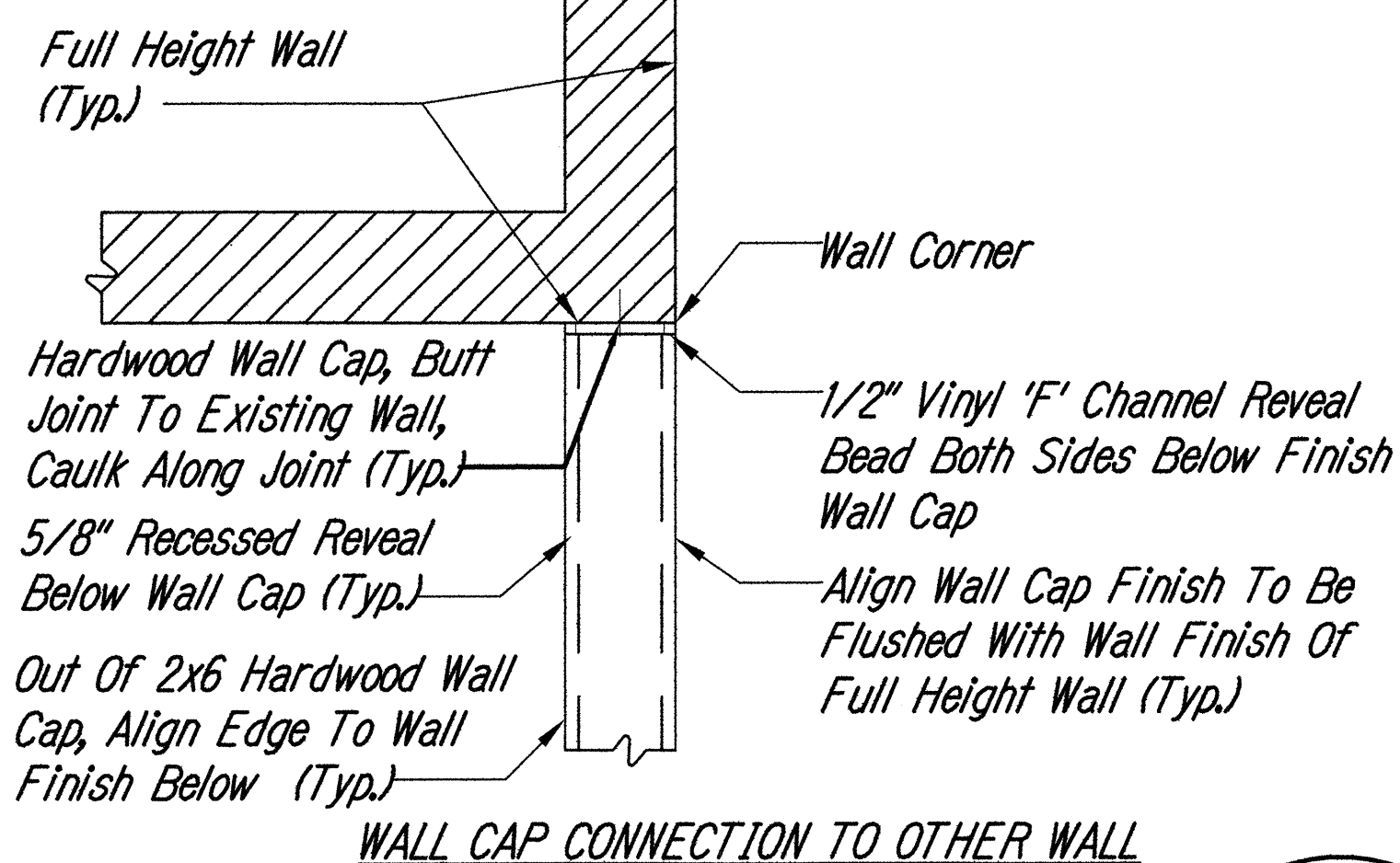
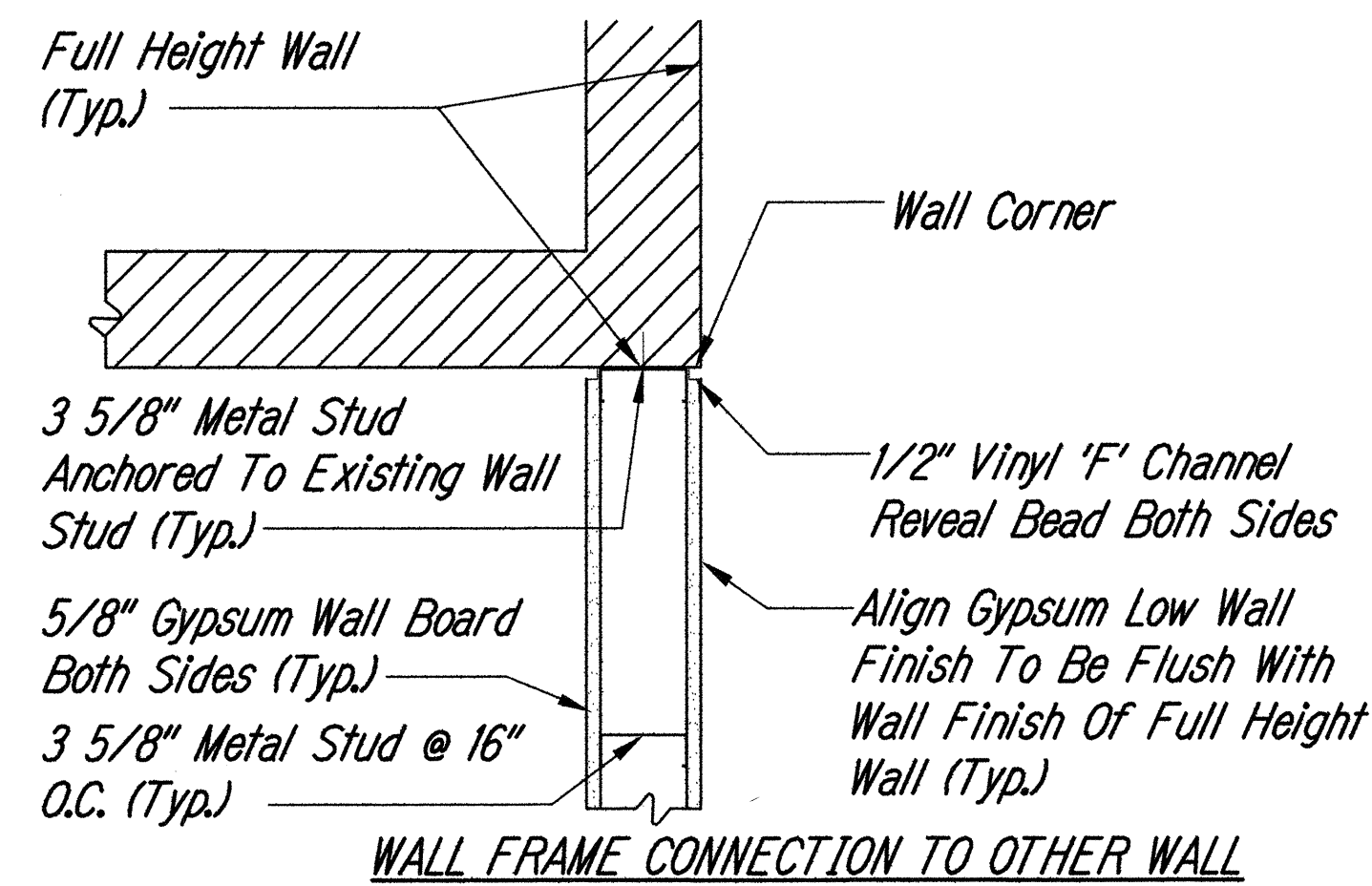
Project No. HWY-0-02-08R

Scale: As Noted Date: April, 2016

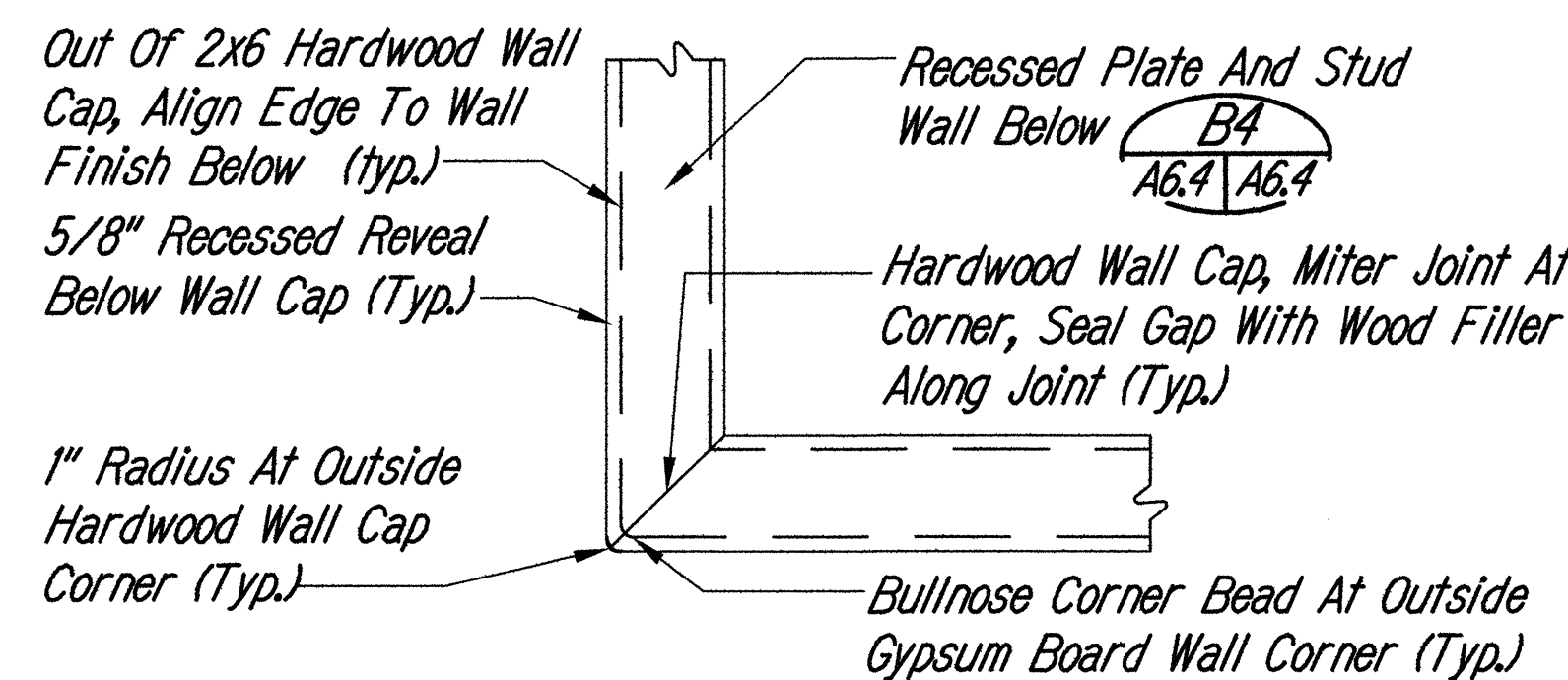
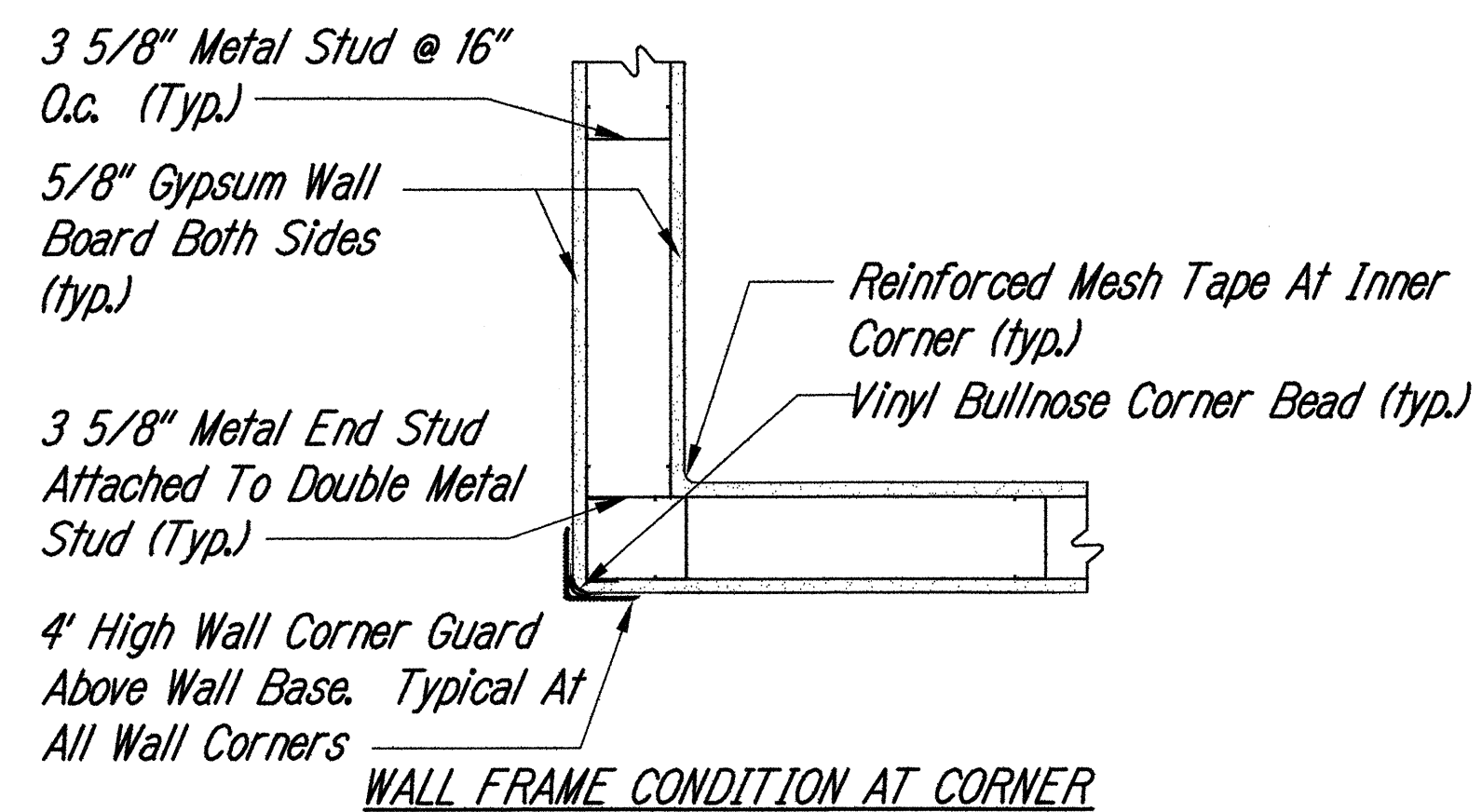
SHEET No. A6.3 OF 69 SHEETS

DATE	
DESIGNED BY	
CHECKED BY	
NOTED BY	
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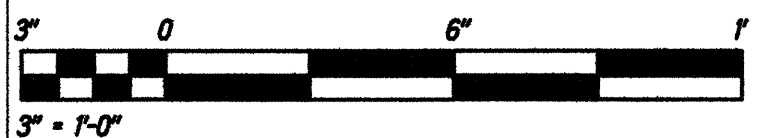
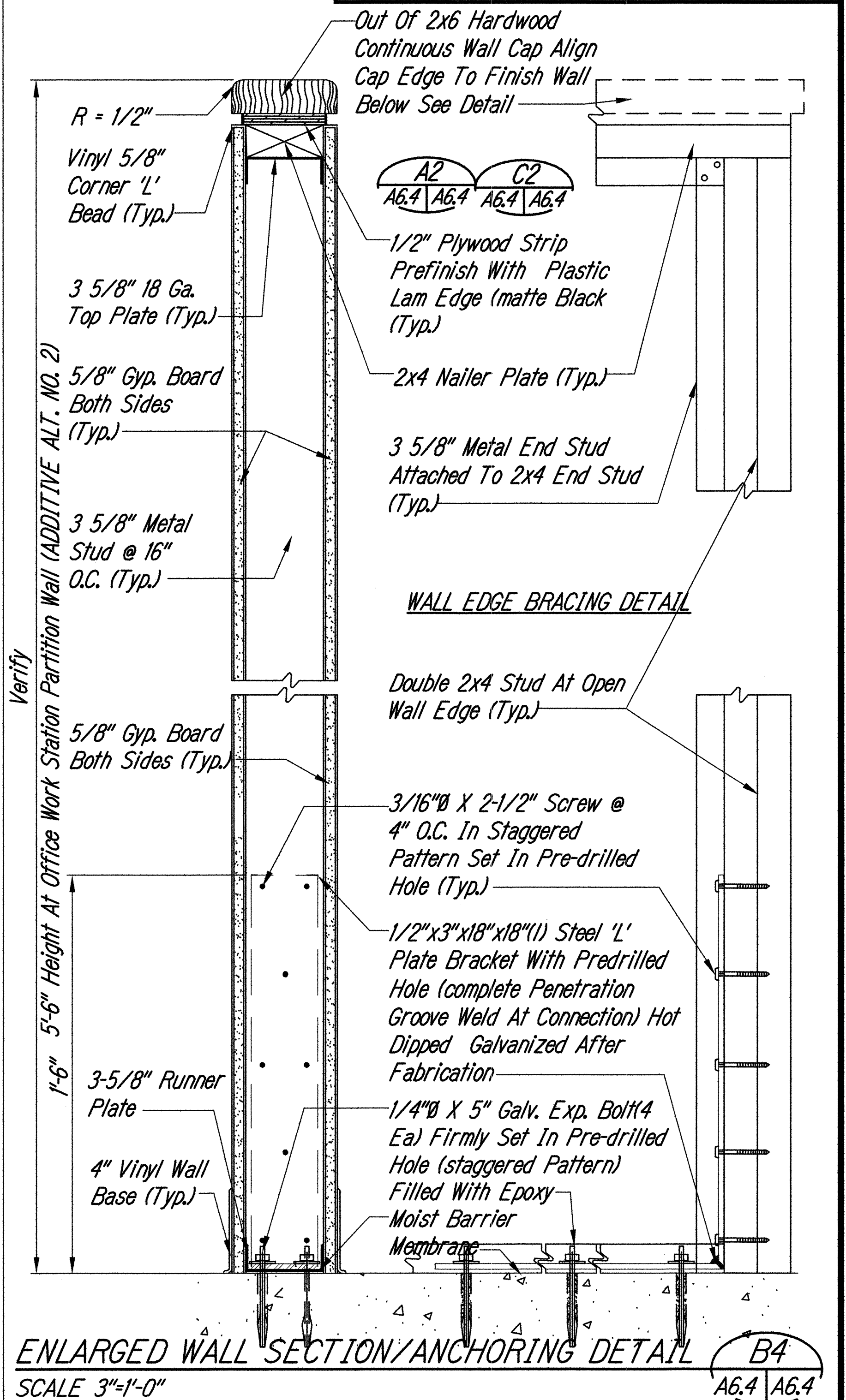
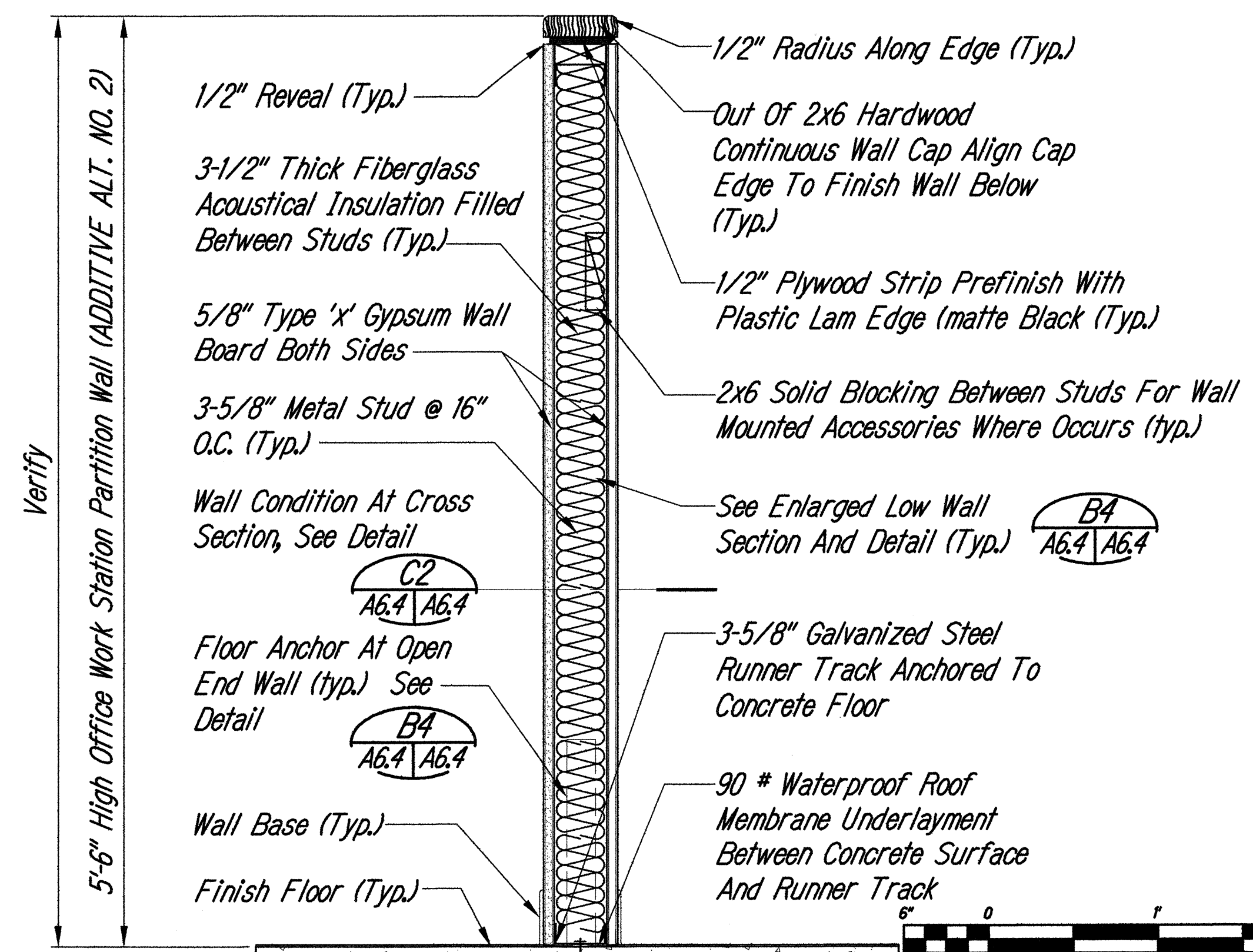
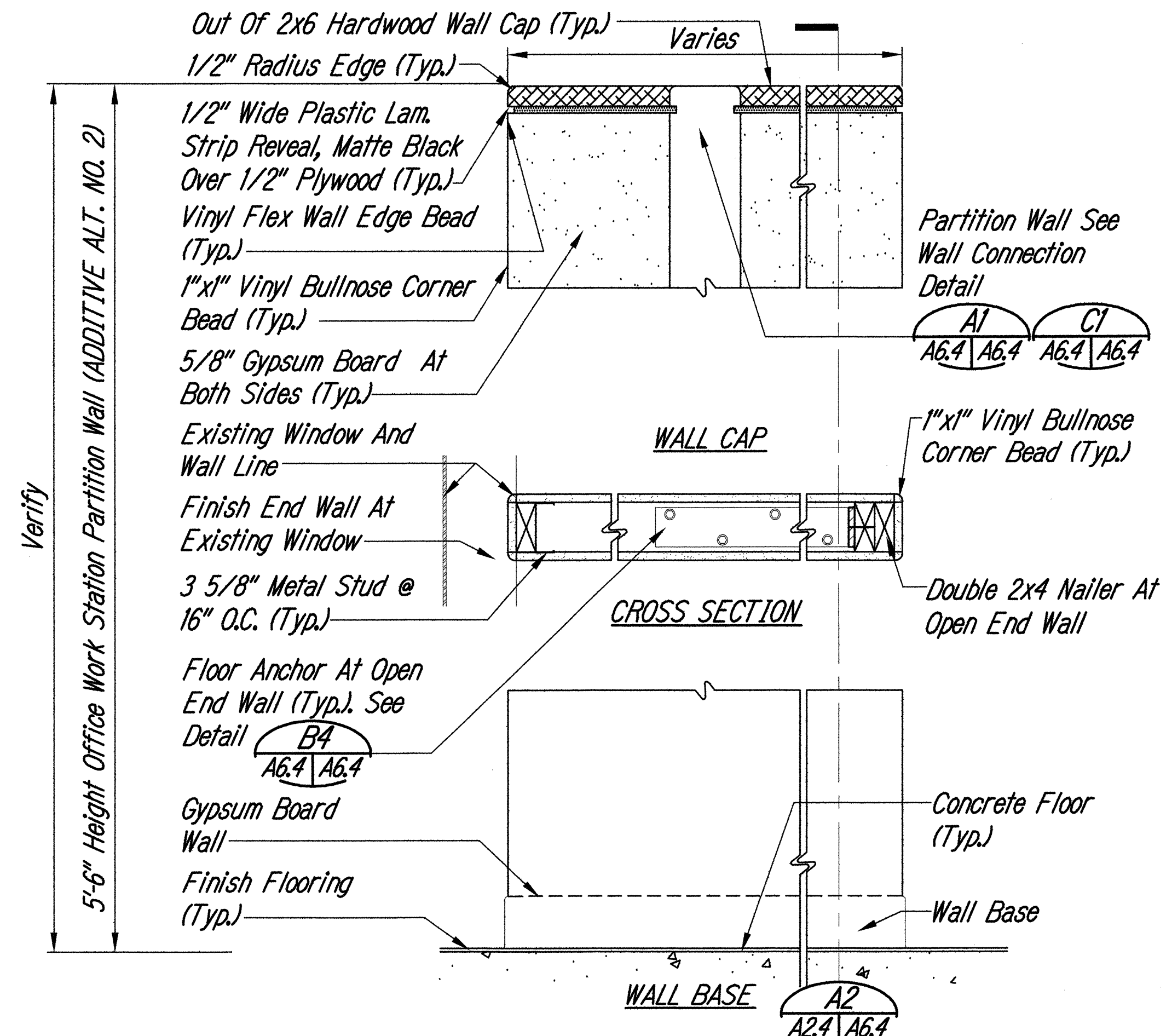
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08R	2016	35	69



LOW PARTITION WALL CONNECTION SECTION C1
SCALE 1-1/2"=1'-0"



LOW PARTITION CORNER WALL SECTION A1
SCALE 1-1/2"=1'-0"



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERIOR WALL SECTIONS

MOTOR VEHICLE SAFETY OFFICE RENOVATION

Project No. HWY-0-02-08R

Scale: As Noted Date: April, 2016

SHEET No. A6.4 OF 69 SHEETS

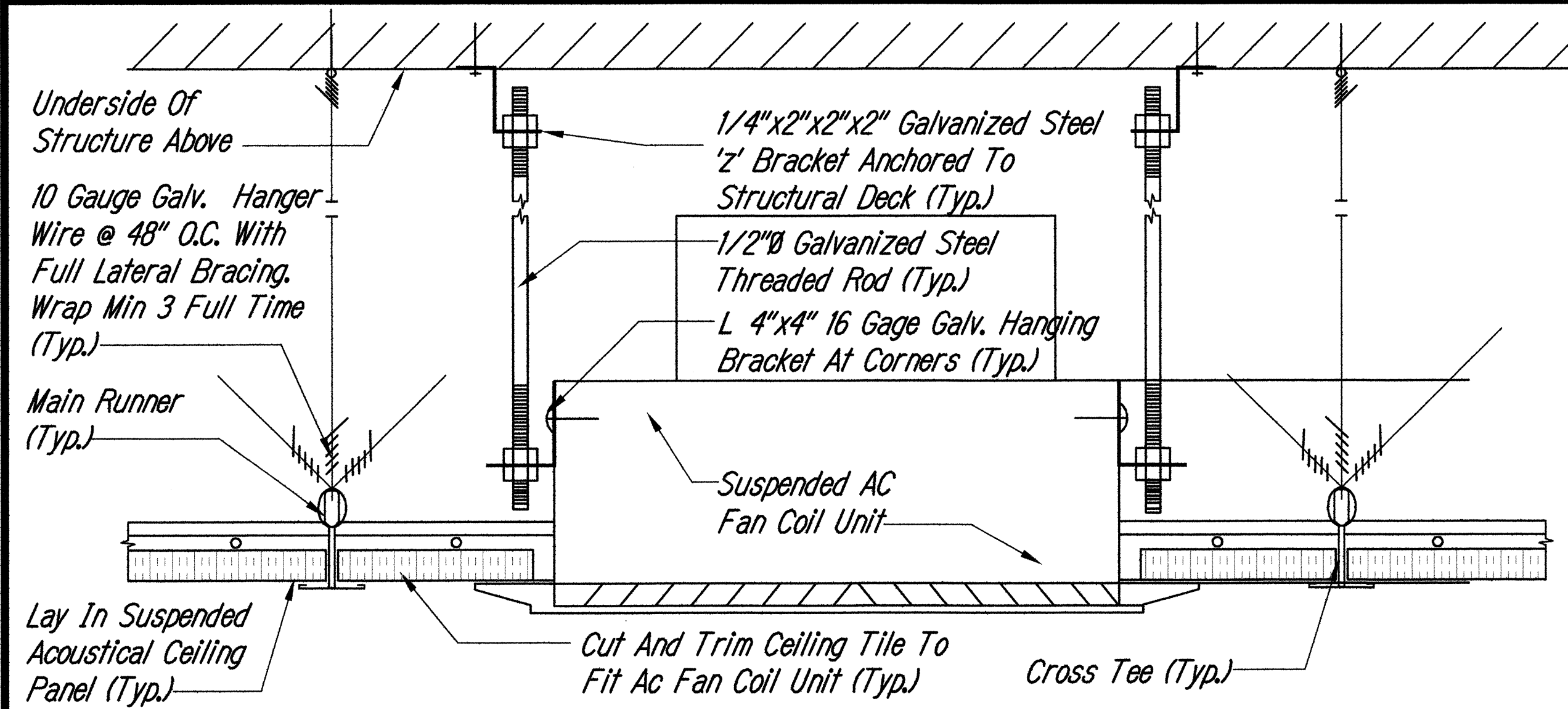
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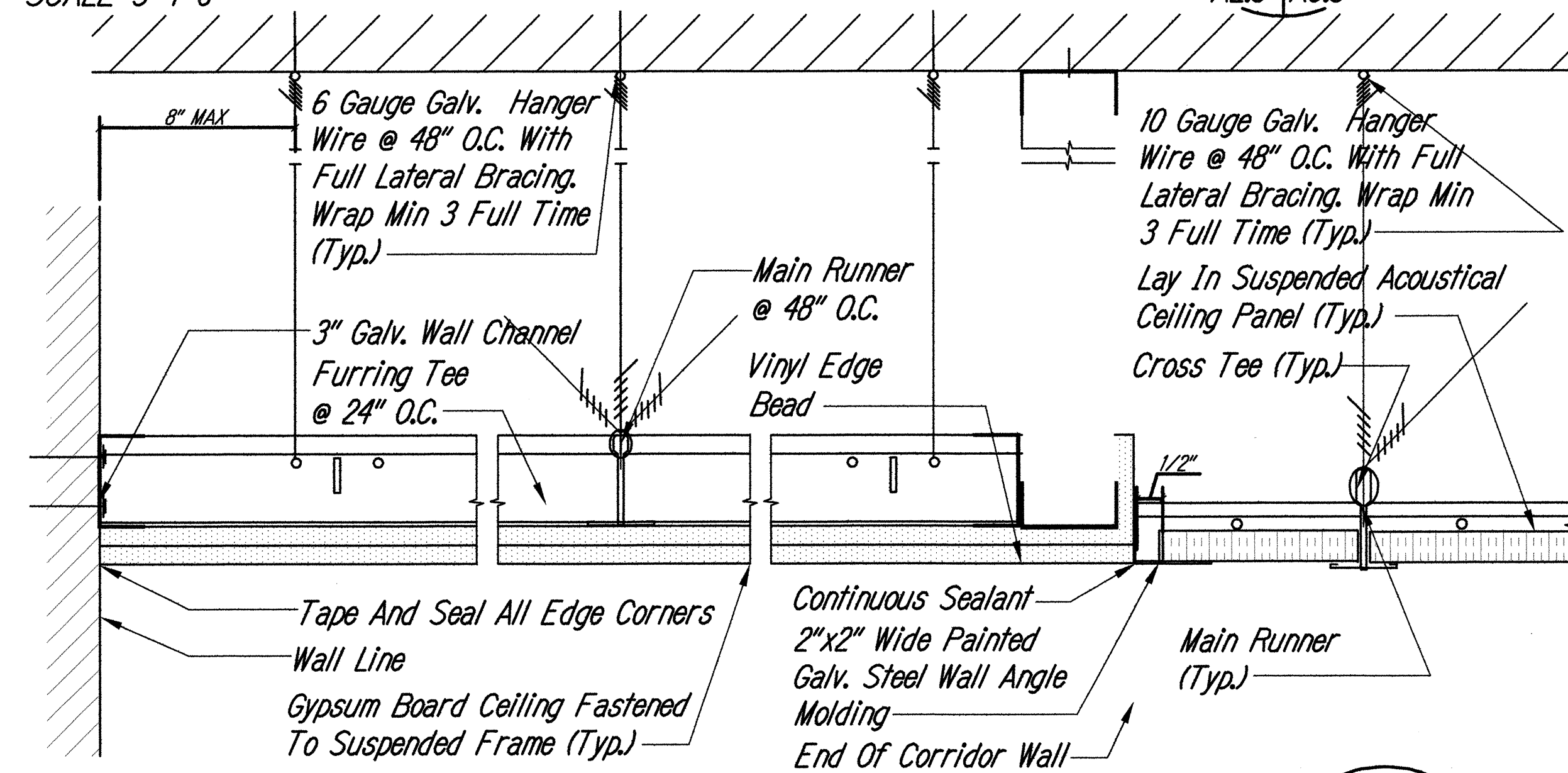
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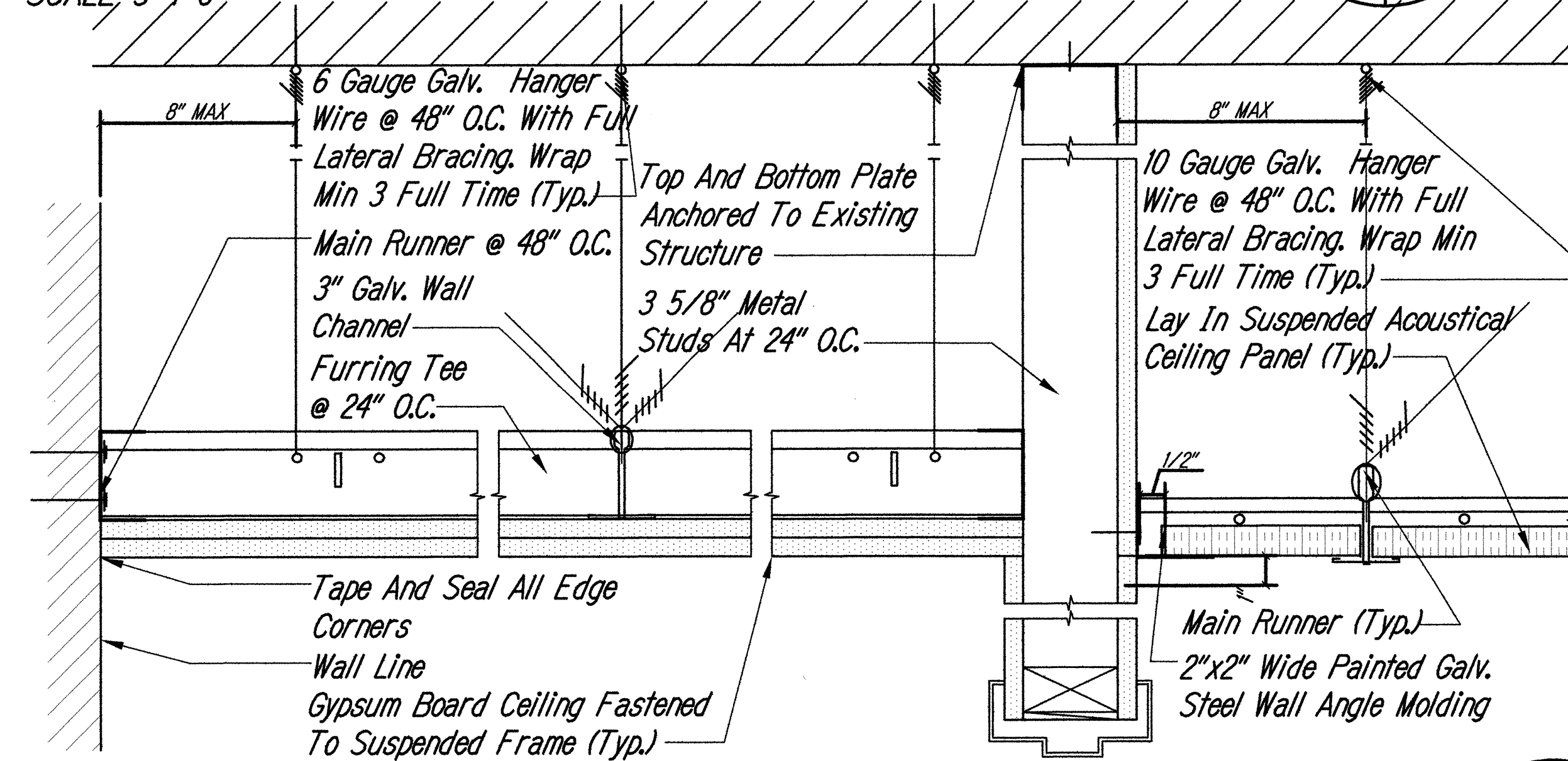
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08R	2016	36	69



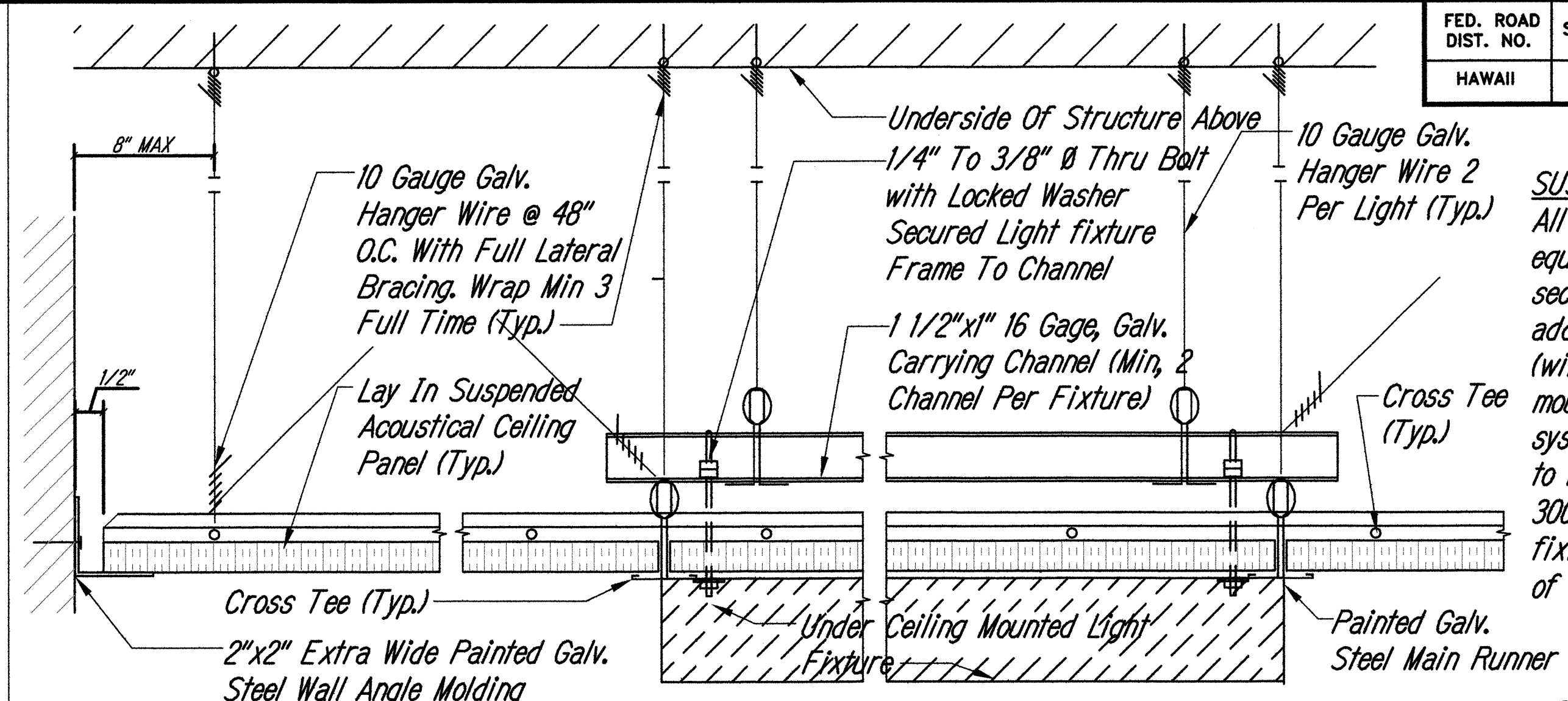
TYPICAL SUSPENDED AC VENTILATOR AND FAN COIL UNIT C1
SCALE 3"=1'-0"



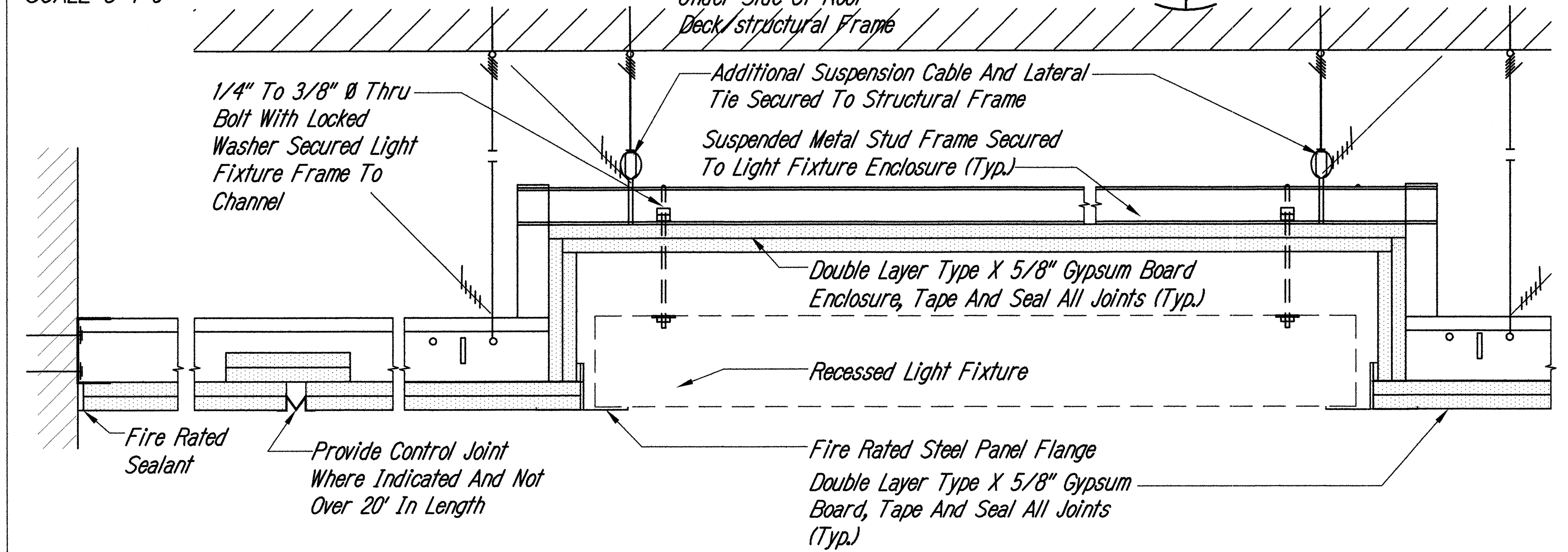
GYPSUM BOARD FURRING SYSTEM AND LAY-IN CEILING SYSTEM B1
SCALE 3"=1'-0"



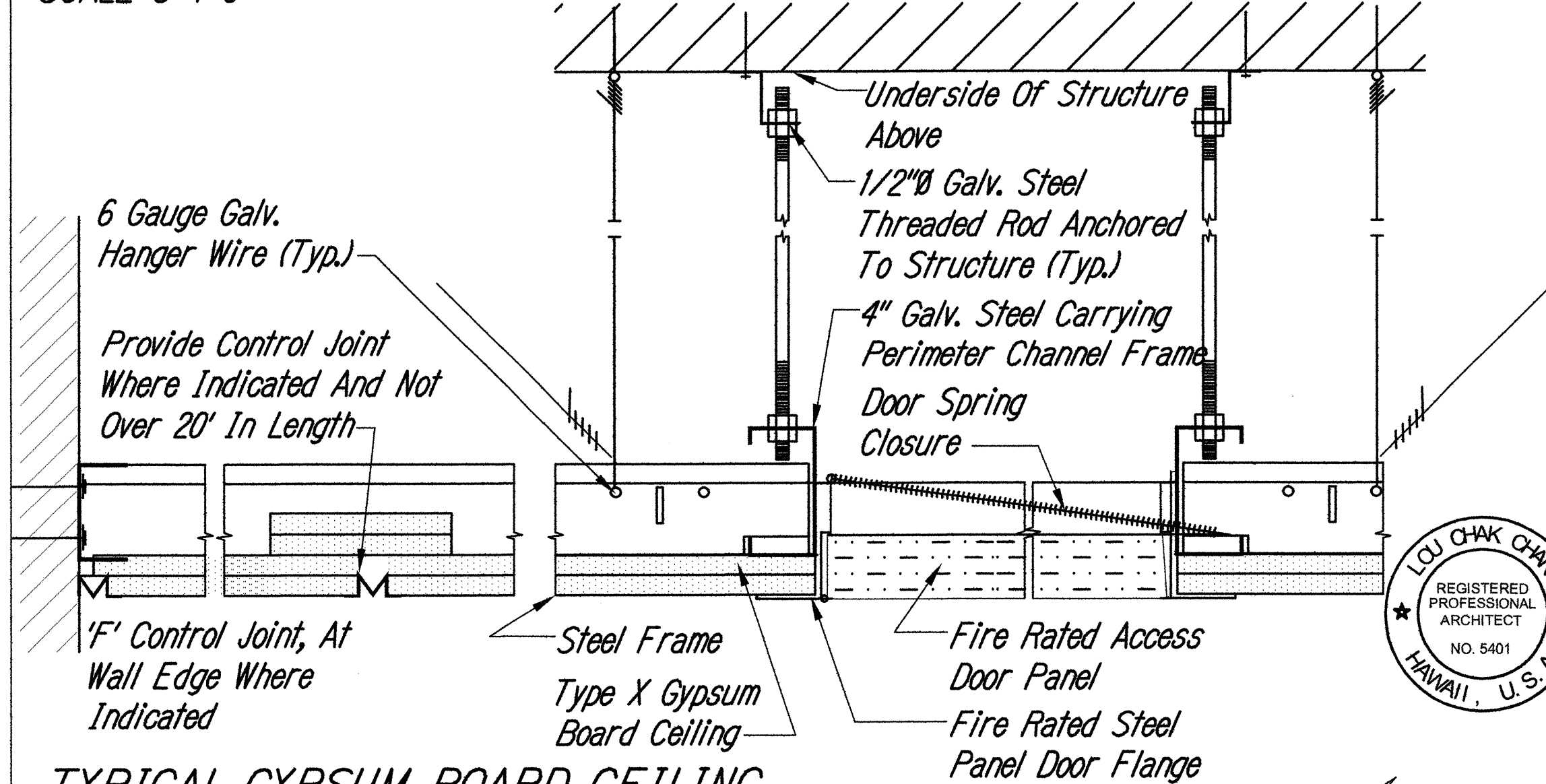
GYPSUM BOARD FURRING SYSTEM AND LAY-IN CEILING SYSTEM AT WALL A1
SCALE 3"=1'-0"



SURFACE MOUNTED LIGHT FIXTURE UNDER SUSPENDED CEILING SYSTEM C2
SCALE 3"=1'-0"

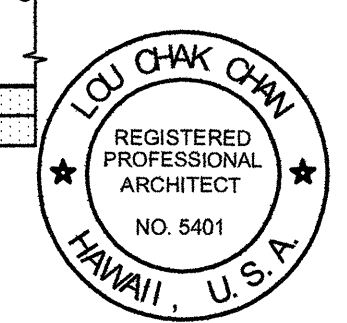
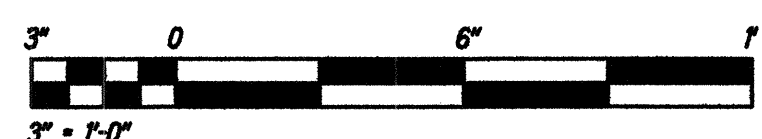


TYPICAL CEILING LIGHT WRAPPING AT FIRE RATED GYPSUM BOARD CORRIDOR CEILING B2
SCALE 3"=1'-0"



TYPICAL GYPSUM BOARD CEILING ACCESS PANEL DETAIL AND CONTROL JOINT A2
SCALE 3"=1'-0"

SUSPENDED FIXTURE NOTE:
All ceiling mounted light fixtures, AC equipment and fixtures shall be firmly secured in suspended ceiling system. Provide additional secondary support and lateral tie (with non-combustible material) to all ceiling mounted fixture, equipment and AC ducting system. Tie wire and support shall be tied to building structural frame with minimum 300-pound of suspension capacity for each fixture unit and not less than three times of each fixture weight.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

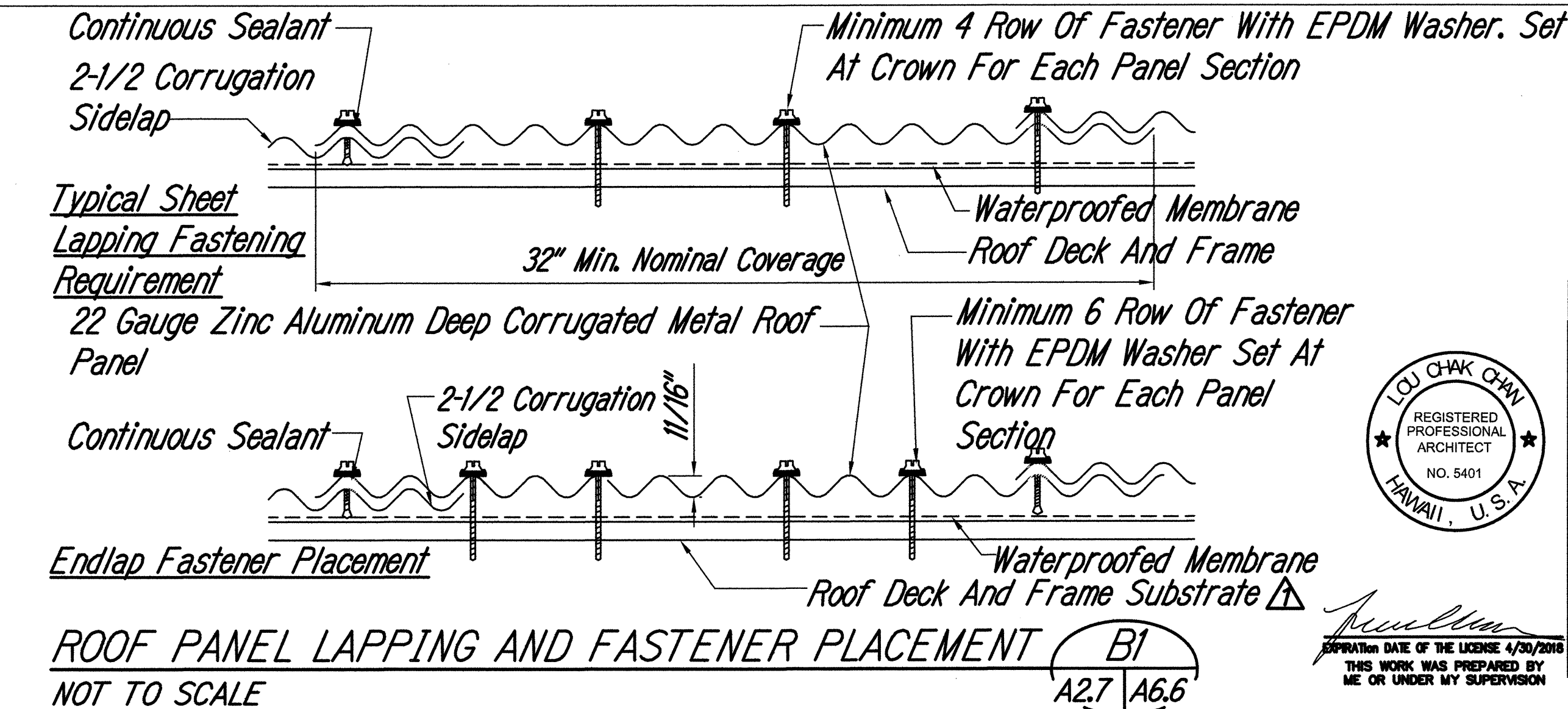
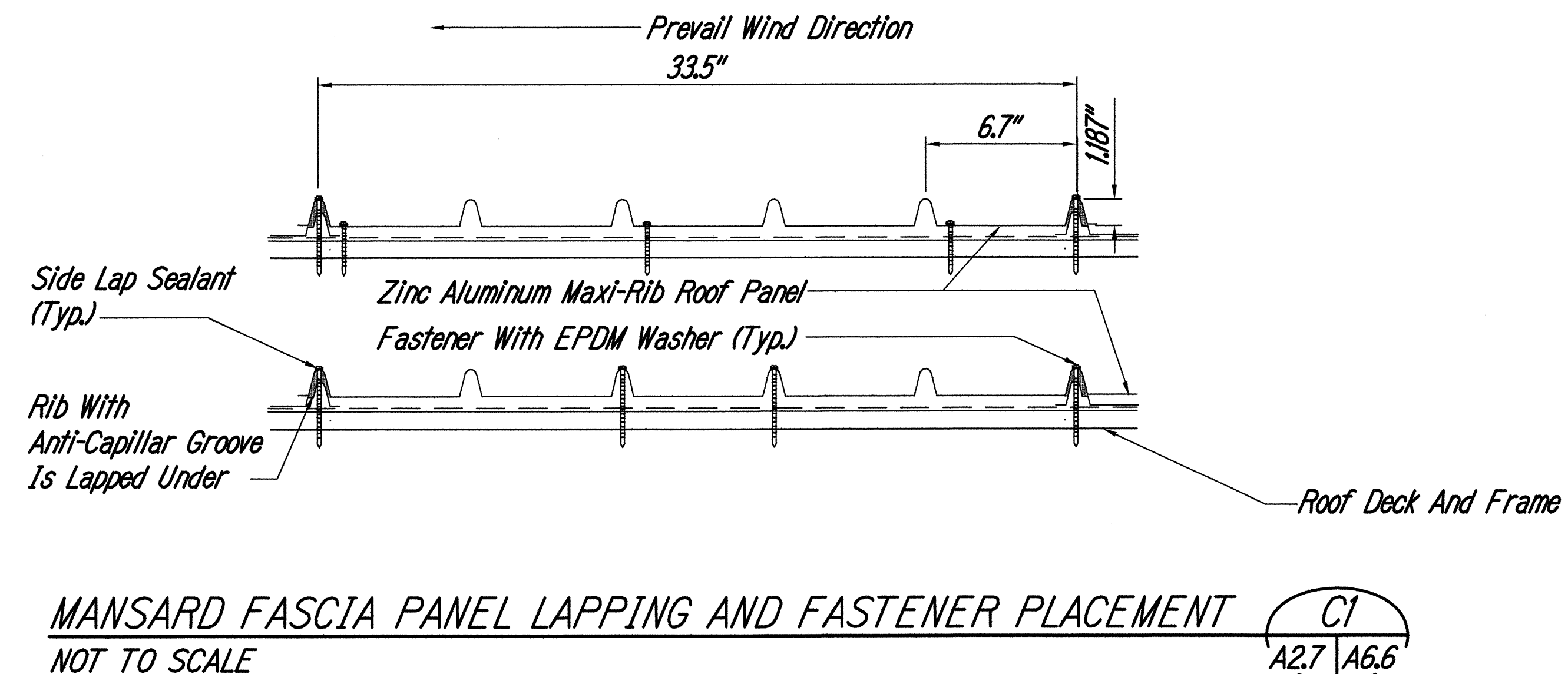
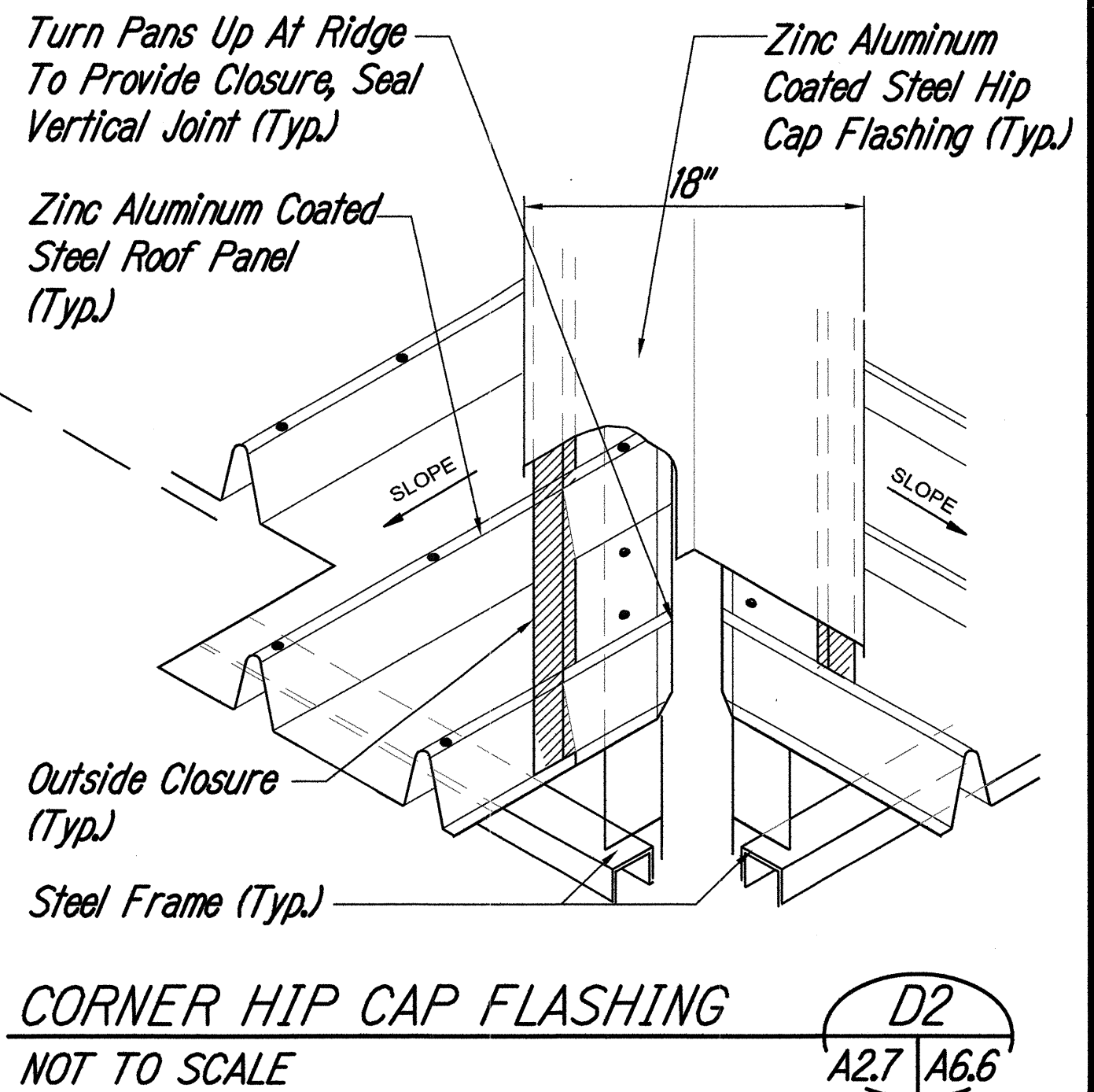
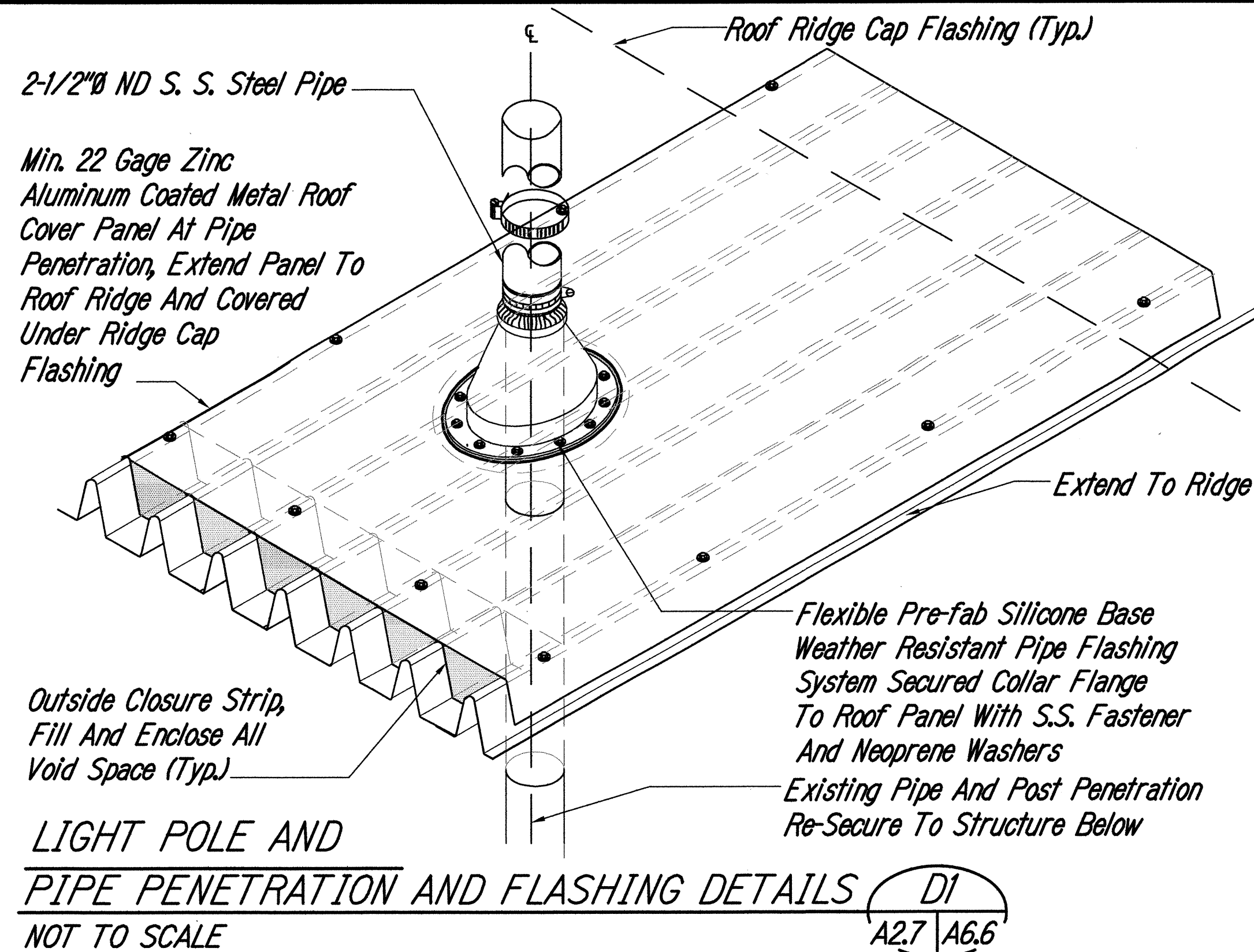
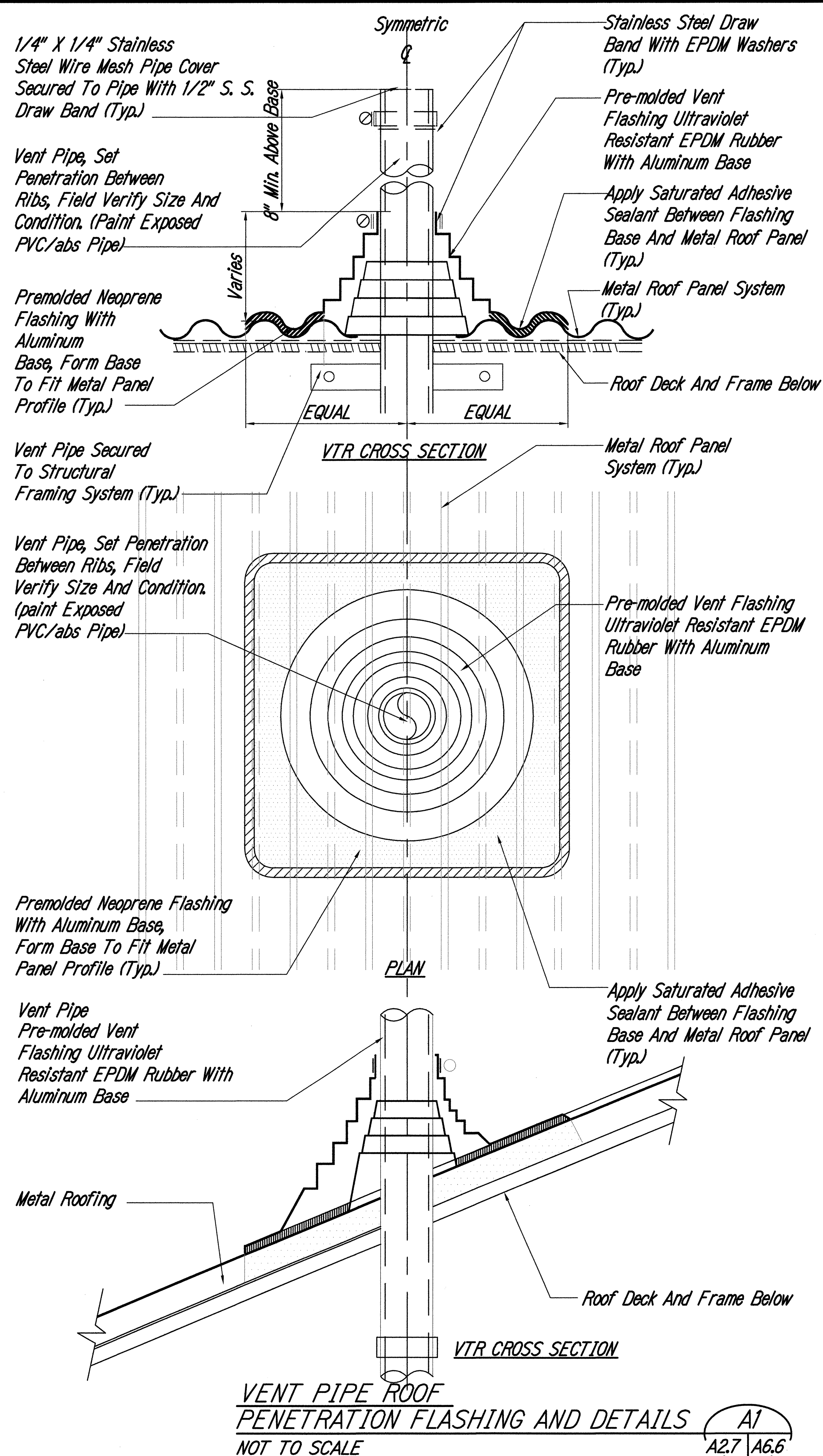
CEILING DETAILS

MOTOR VEHICLE SAFETY OFFICE RENOVATION
Project No. HWY-0-02-08R
Scale: As Noted Date: April, 2016

SHEET No. A6.5 OF 69 SHEETS

DATE	_____
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ORIGINAL PLAN	_____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08R	2016	ADD. 37	69



Fastening Note:
Verify Condition Of Substrate.
Provide Pre-drilled Hole At
Steel Frame And Concrete.

Fastening Note:
Verify Condition Of Substrate.
Provide Pre-drilled Hole At
Steel Frame And Concrete.

6/1/2016

Added Note

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

LOI O-HAW G-141

REGISTERED PROFESSIONAL ARCHITECT

NO. 5401

HAWAII, U.S.A.

ROOF DETAILS

MOTOR VEHICLE SAFETY OFFICE

RENOVATION

Project No. HWY-0-02-08R

Scale: As Noted Date: April, 2016

SURVEY PLOTTED BY

DATE

DESIGNED BY

QUANTITIES BY

CHECKED BY

ORIGINAL PLAN

NOTE BOOK

No.

SEPARATION DATE OF THE LICENSE 4/30/2016

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SHEET No. A6.6 OF 69 SHEETS

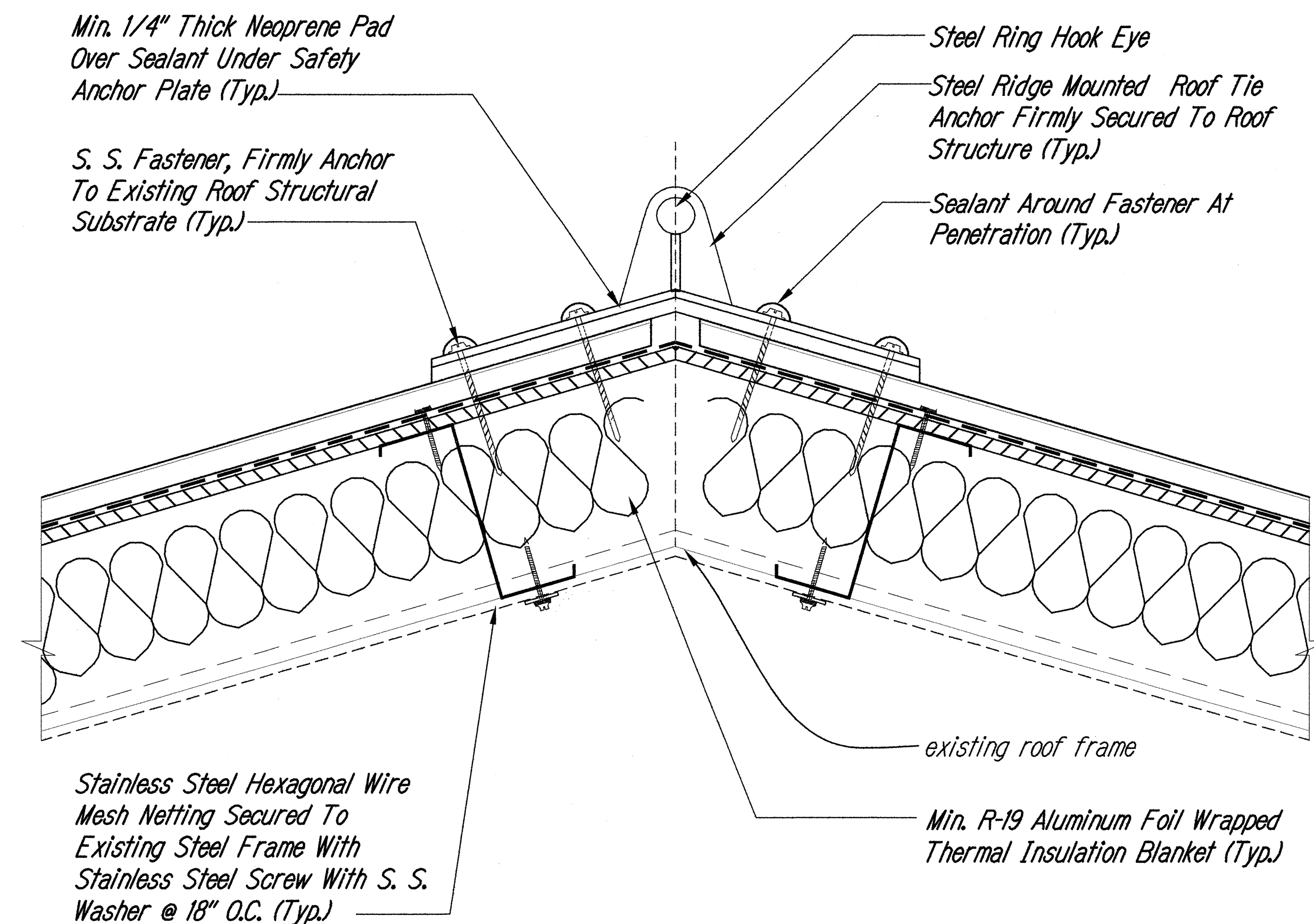
ADD. 37

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08R	2016	38	69

Roof Safety Anchor Note:

Roof safety anchor shall be corrosion resistant high strength metal capable of supporting minimum 5,000 pound of force. meets and exceeds all applicable OSHA And ANSI standards.

Safety anchor shall be firmly secured to roof through roofing and sheathing into structural frame, fastener shall be high strength stainless steel and meet manufacturer design requirements. Provide stainless steel backplate for wood and steel frame assembly



RIDGE MOUNTED SAFETY CABLE TIE ANCHOR
NOT TO SCALE

A1
A2.7 A6.7

Stainless Steel Gooseneck Ventilator Set On Raised Roof Curb (Typ.)

Raised Roof Curb, Apply Metal Separator Between Dissimilar Metals Where Occurs (Typ.)

Zinc Aluminum Sheetmetal Perimeter Cap Flashing, Extend Minimum 6" Up Beneath Counter Flashing. Mitered, Soldered And Sealed All Corner Joints, Anchor To Curb With S. S. Fasteners At All Sides Covered With Sealant

Zinc Aluminum Curb Floor Flashing, Extend And Insert To Underside Of Ridge Cap Flashing, Provide 10" Overlap, Filled With Sealant

Continuous Zinc Aluminum Sheet Metal Roof Ridge Cap With Min. 4" Overlap Joint Filled With Sealant (Typ.)

Continuous Aluminum Sealer Tape Over Roof Ridge (Typ.)

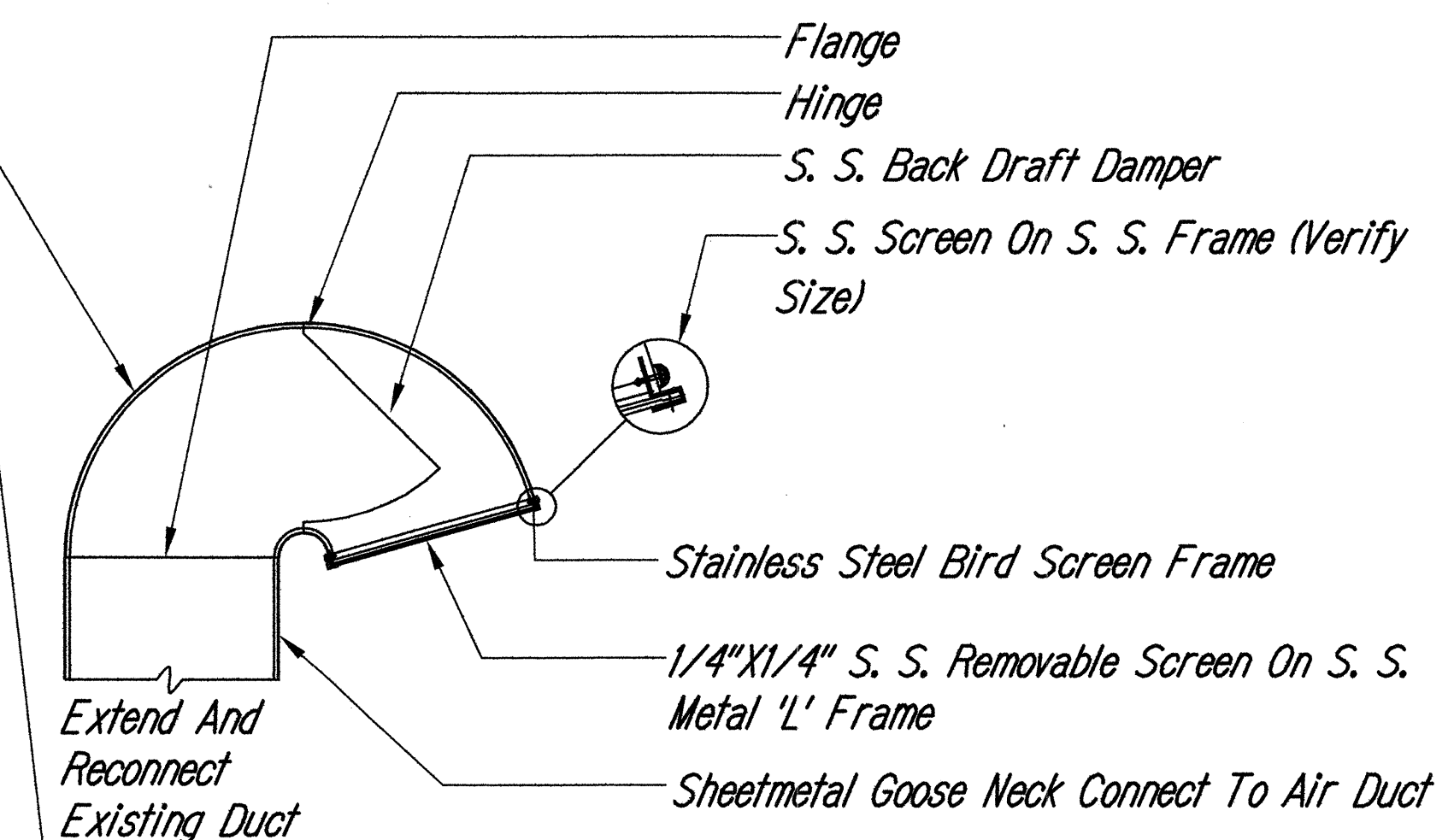
Outside Closure Strip (Typ.)

existing roof frame

Existing Purlin Nail (Typ.)

Min. R-19 Aluminum Foil Wrapped Thermal Insulation Blanket (Typ.)

Stainless Steel Hexagonal Wire Mesh Netting Secured To Existing Steel Frame With Stainless Steel Screw With S. S. Washer @ 18" O.C. (Typ.)



Sheet Metal Counter Flashing

Raised Curb (Out Of 2x4 And 3/4" Plywood Sheathing) Firmly Secured To Existing Roof Frame To Provide Min. 10" Clearance From Top Of Curb To Finish Roof (See Raised Curb Flashing Detail)

Zinc Aluminum Curb And Counter Flashing (Typ.)

Continuous Outside Closure Strip (Typ.)

Metal Roof Panel (Typ.)



ROOF RIDGE CAP FLASHING AND GOOSENECK EXHAUST DUCT MOUNTING DETAILS
SCALE 1-1/2"=1'-0"

B1
A2.7 A6.7



SEPARATION DATE OF THE LICENSE 4/30/2016
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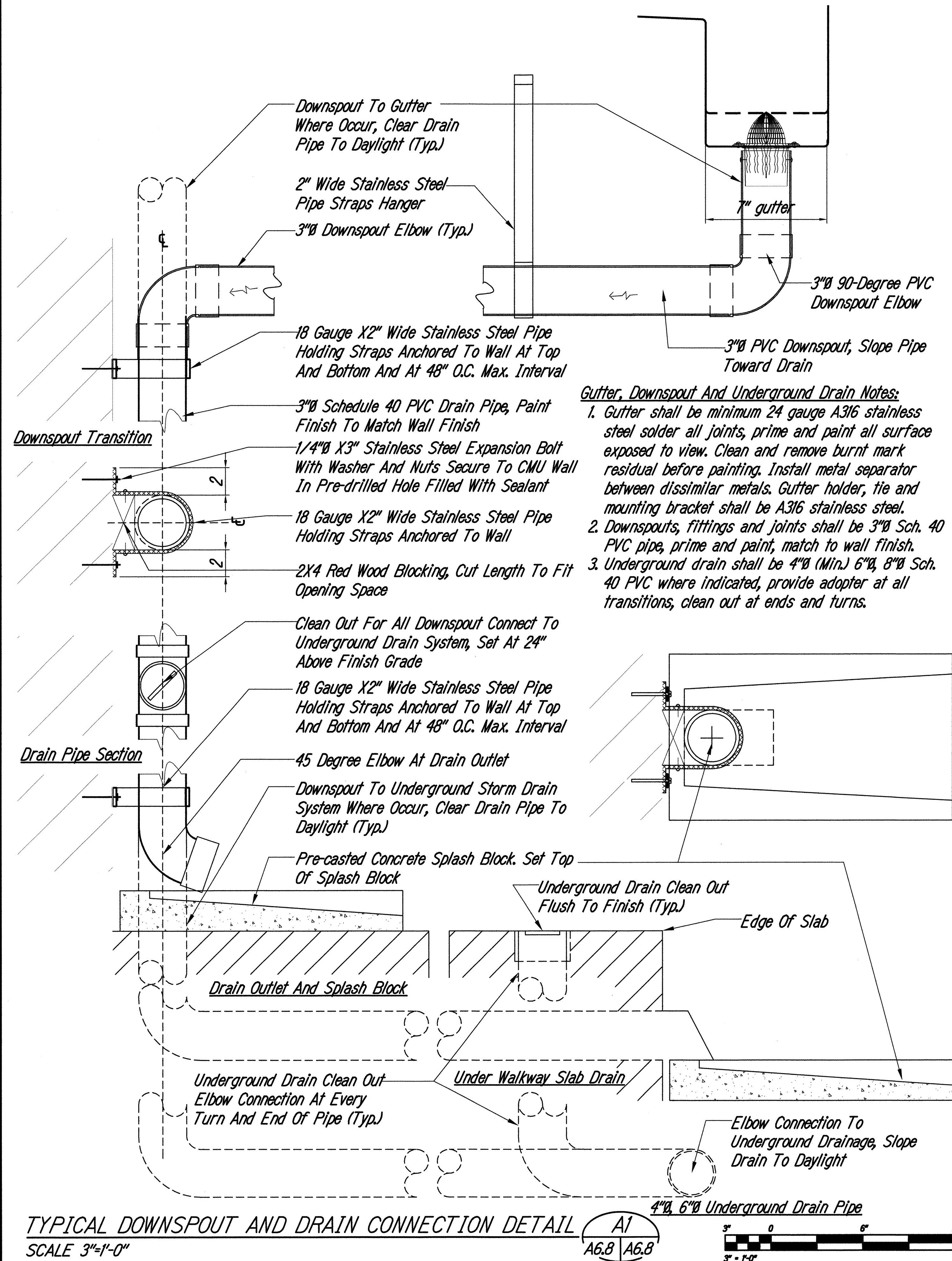
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROOF DETAILS

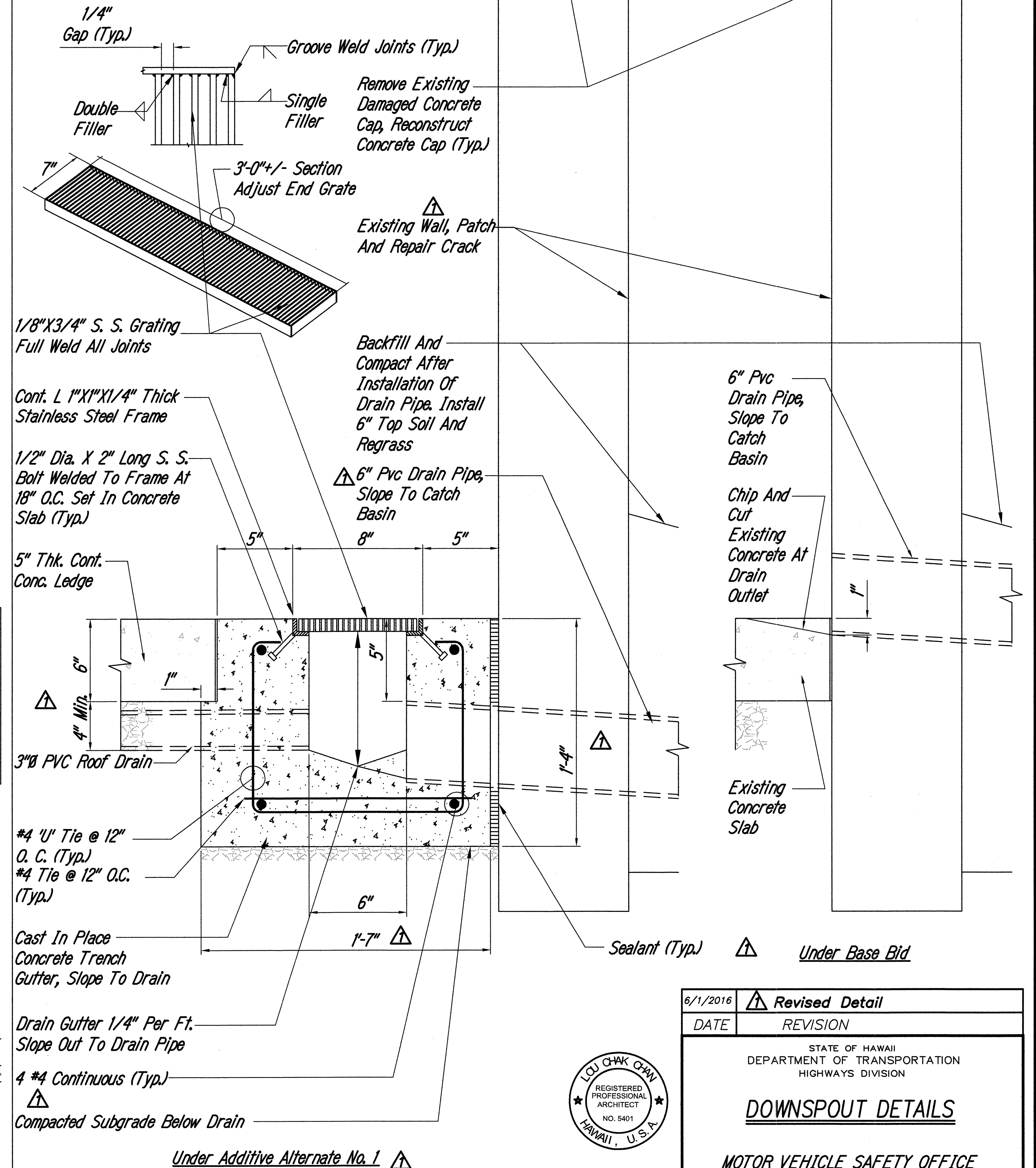
MOTOR VEHICLE SAFETY OFFICE RENOVATION
Project No. HWY-0-02-08R
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SHEET No. A6.7 OF 69 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08R	2016	ADD.39	69



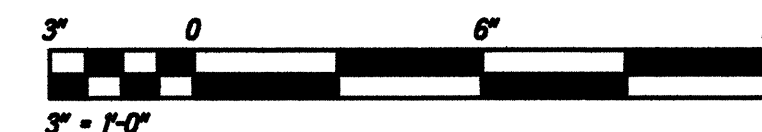
Note: ADA compliant stainless steel grate and frame embedded in concrete encasement (grate opening not more than 1/4", perpendicular to direction of travel)



SURVEY PLATTED BY	DATE
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TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
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No.	

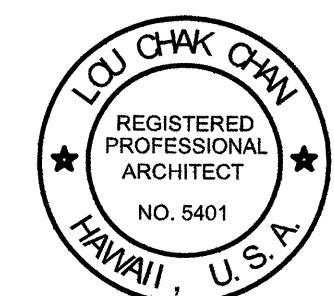
TYPICAL DOWNSPOUT AND DRAIN CONNECTION DETAIL
SCALE 3"=1'-0"

A1
A6.8 A6.8



FLR. DRAIN GUTTER, GRATING DTLS
SCALE 3"=1'-0"

A2
A0.2 A6.8



6/1/2016	Revised Detail
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
DOWNSPOUT DETAILS	
MOTOR VEHICLE SAFETY OFFICE RENOVATION Project No. HWY-0-02-08R	
Scale: As Noted	Date: April, 2016
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