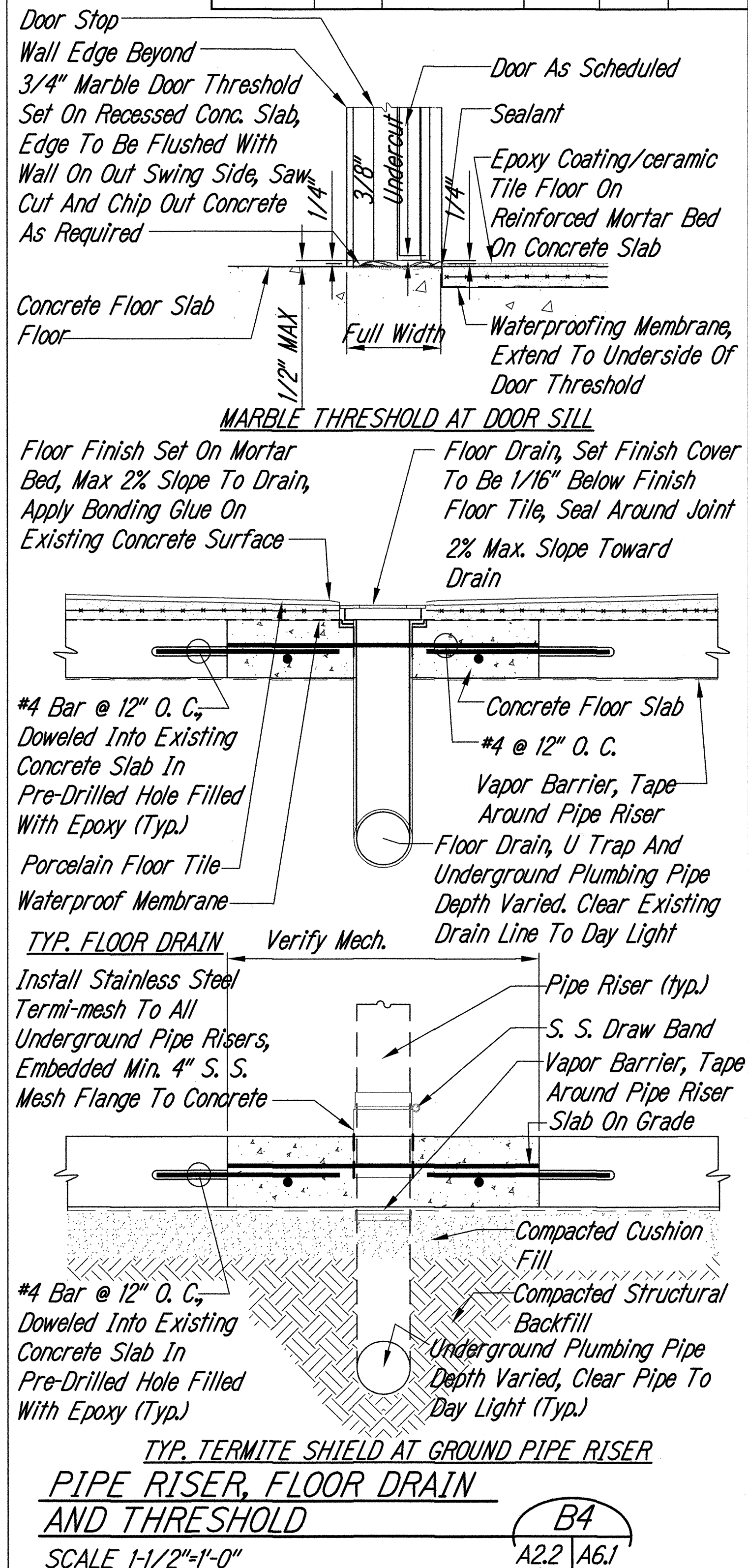
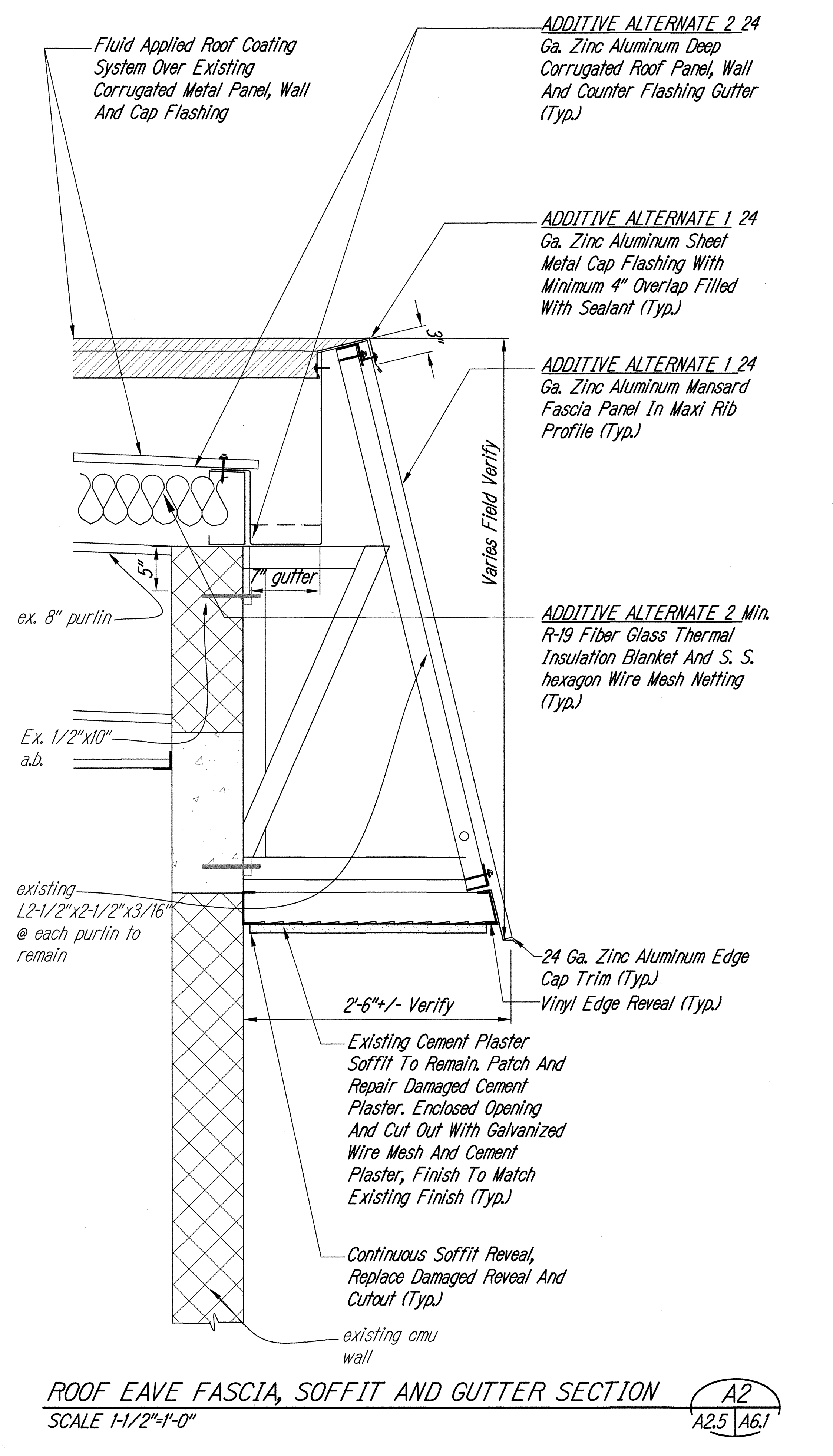
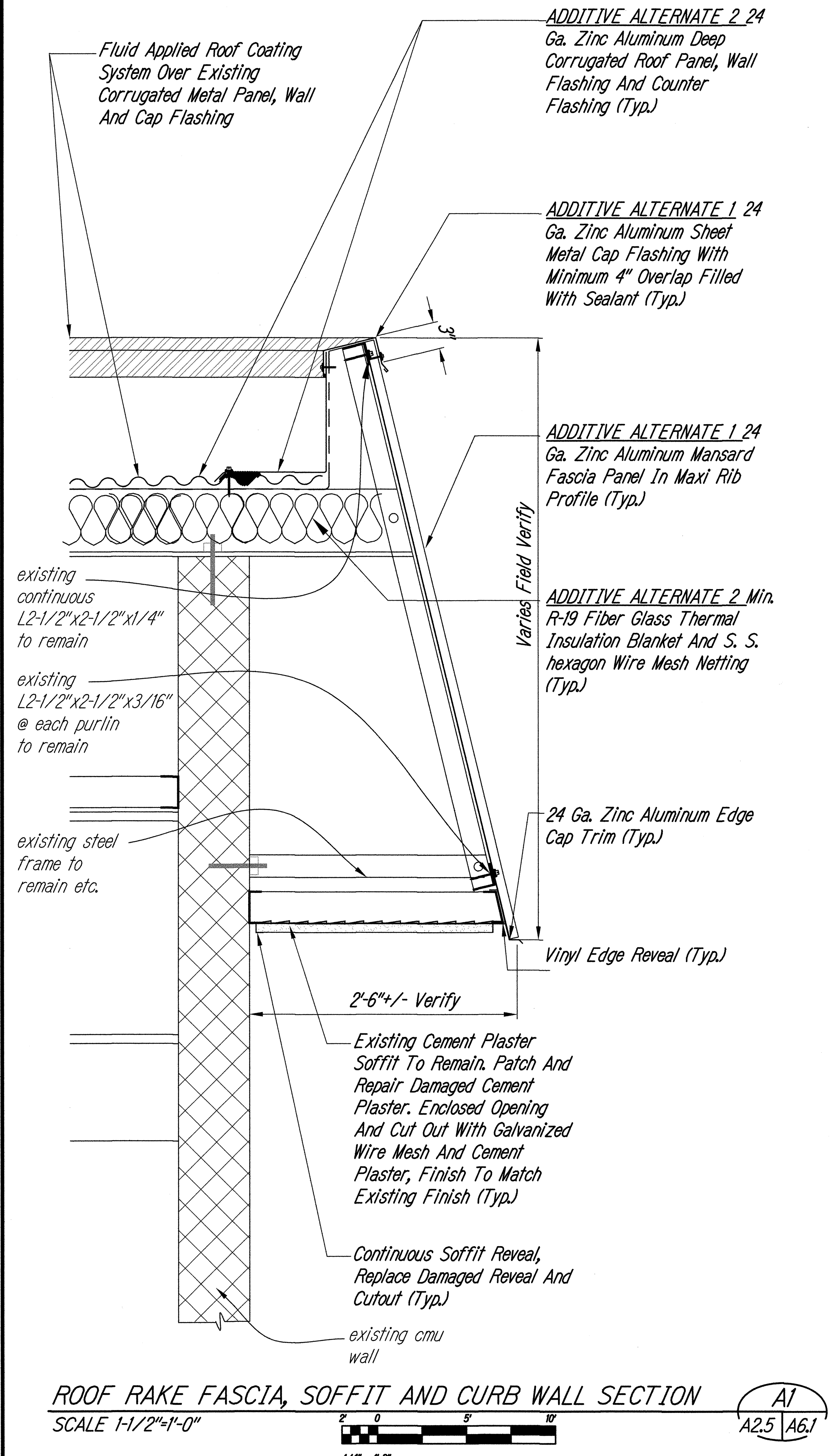


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08	2014	28	57



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

LOU CHAN CHAN
REGISTERED PROFESSIONAL ARCHITECT
NO. 5401
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

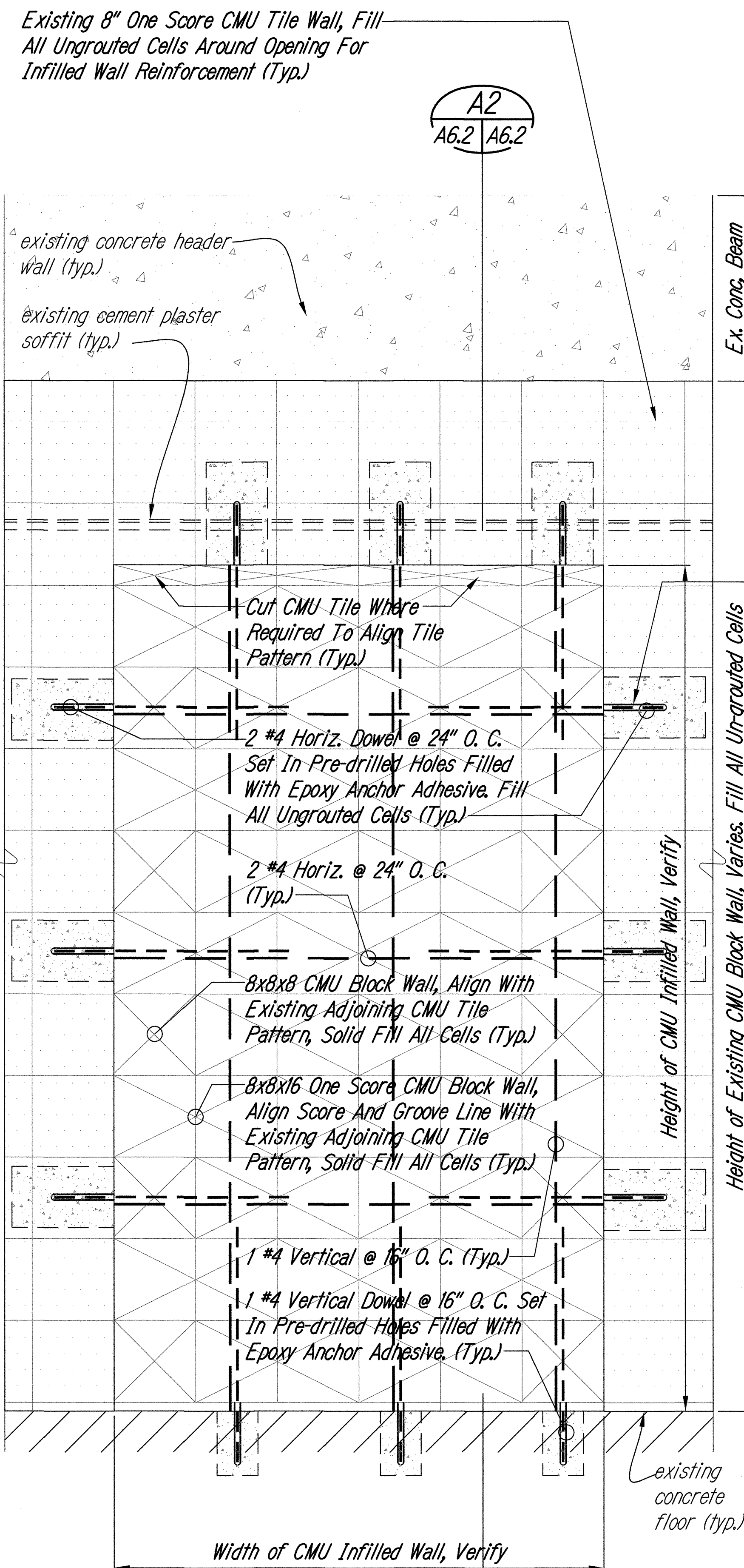
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EXTERIOR WALL SECTIONS

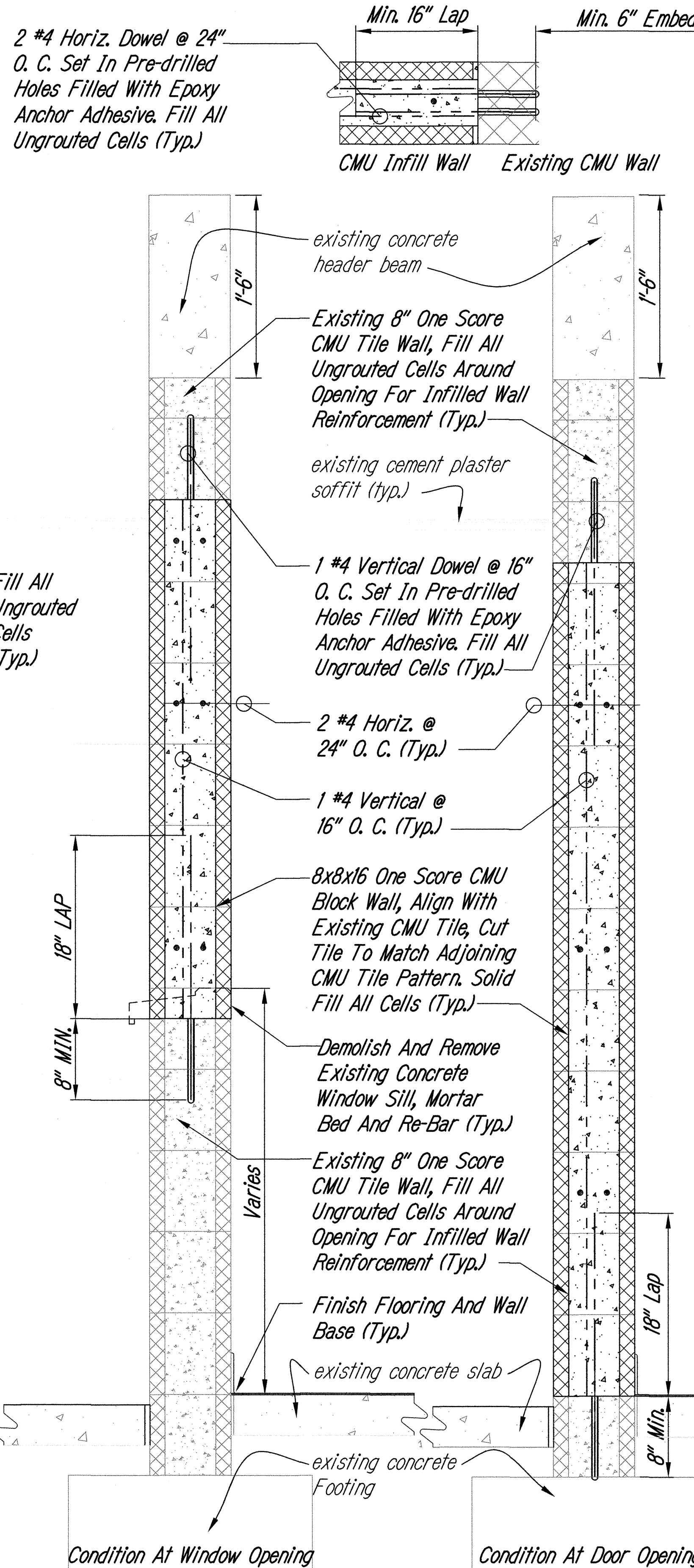
MOTOR VEHICLE SAFETY OFFICE
RENOVATION
Project No. HWY-0-02-08
Scale: As Noted Date: APRIL, 2014

SHEET No. A6.1 OF 57 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08	2014	29	57



CMU WALL OPENING INFILLED PATTERN DETAIL **A1**
Scale 1 1/2"=1'-0" **A2.2 A6.2**



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

DAMAGED CMU WALL REPAIR

Clean And Straight Existing Rebar Where Occur

Remove Loose And Damaged CMU Block And Grout

existing cmu wall

Raised Concrete Curb Cap, Match Existing

8x16x2" CMU Wall Cap, Set in Mortar Bed

Clean All Existing Rebar (Typ.)

Added #4 Tie Bar, Dowelled Into Existing CMU Tile (Typ.)

Fill All Cells (Typ.)

REPAIR DAMAGED & MISSING CMU AND WALL CAP

existing grouted cmu wall

Apply Epoxy Bonding And Priming Agent To Masonry Surface

Clean And Remove All Fractured Debris And Loose Material From Damaged Hole And Dent

Construct Groove And Score Line, Match And Align To Existing

Apply Epoxy Bonding And Priming Agent To Masonry Surface

existing cmu wall and grout to remain (typ.)

Fill Void With Epoxy Repair Mortar, Sand Smooth To Repair Surface To Match Existing Finish

Grout All UngROUTed Cells (Typ.) existing cmu wall and grout to remain (typ.)

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 Re-countered, 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 Area 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

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 **B4**
SCALE 1-1/2"=1'-0" **A1.2 A6.2**



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CMU WALL INFILL DETAILS & MASONRY WALL REPAIR DETAILS

MOTOR VEHICLE SAFETY OFFICE
RENOVATION
Project No. HWY-0-02-08

Scale: As Noted Date: APRIL, 2014

SHEET No. A6.2 OF 57 SHEETS

Main Runner @ 48" O.C. (typ.)
 Suspended Wiring And Hanger System @ 4' O.C. With Lateral Bracing At All Sides
 Furring Tee @ 24" O.C. (Typ.)
 Plumbing Pipe (verify)
 3" Galv. Studs @ 16" O. C. Both Sides (Typ.)
 Continuous Sealant (Typ.)
 5/8" Type 'x' Moisture Resistant Gypsum Board (Typ.)
 Continuous Sealant Along Edge Both Sides (Typ.)
 Bull Nose Tile Trim
 Stud Bracing At Mid Height And At Ceiling (verify)
 Ceramic Wall Tile On Backer Board. (match Existing Adjoining Wall Setting Bed Thickness)
 Plumbing Space (verify)
 2x6 Solid Blocking Between Studs For Wall Mounted Bath Accessories Where Occurs (Typ.)
 5/8" Fiberglass Reinforced Cement Backer Board Fastened To Stud With Corrosion Resistant Fastener @ 8" O. C. (Typ.)
 S. S. Grab Bar Where Occurs (typ.)
 Plumbing Piping (Typ.)
 Raised Concrete Curb
 Finish Floor (Typ.)
 Depressed Concrete Slab On Vapor Barrier (Typ.)
 Waterproof Floor Membrane, Extend Min. 12" Vertically Up To Wall (Typ.)
 Ceramic Cove Base Tile (Typ.)

7'-0" ± Above Finish Floor Verify

FURRED OUT GYPSUM BOARD PLUMBING WALL

B4

SCALE 1/4" = 1'-0"

122 163

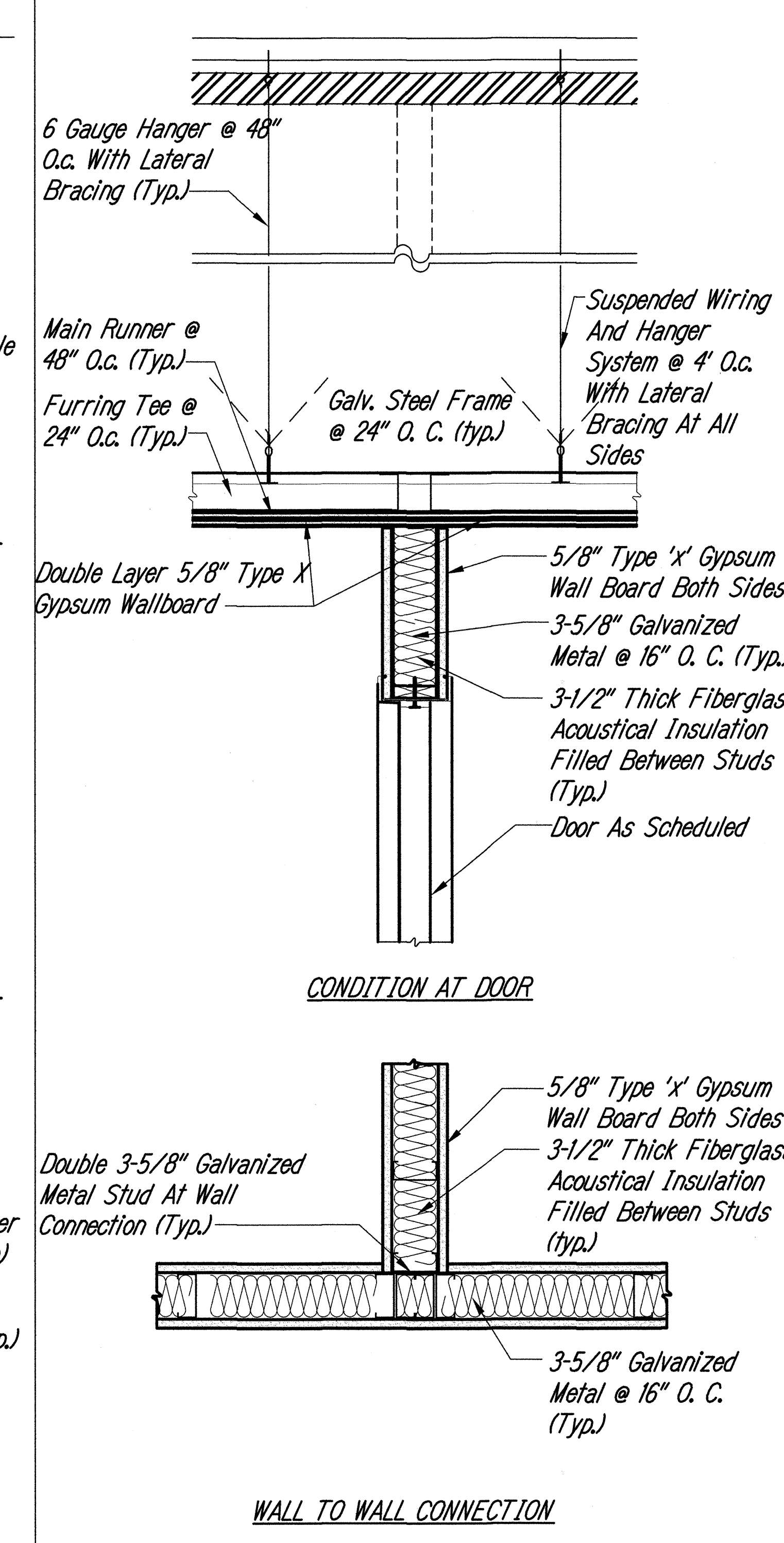
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EXTERIOR WALL SECTION
AND PIPE PENETRATION DETAIL

MOTOR VEHICLE SAFETY OFFICE
RENOVATION
Project No. HWY-0-02-08

Scale: As Noted Date: APRIL, 2014

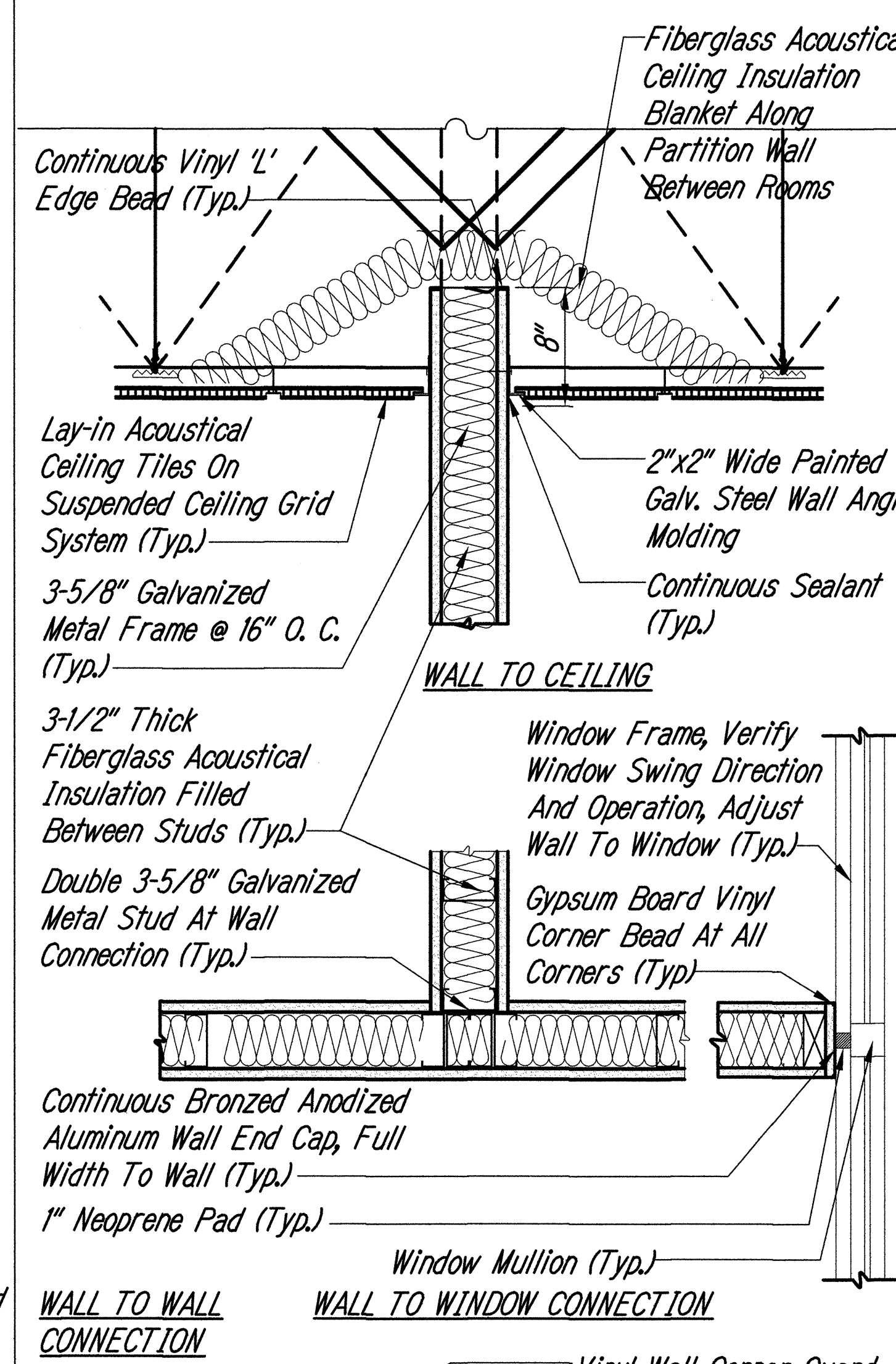
SHEET No. 463 OF 57 SHEETS



of
an

GYP SUM BOARD WALL
CORRIDOR WALL
SCALE 1-1/2"=1'-0"

A3
A2.2 A6.3



2"

1/2"

Continuous Retainer

Gypsum Board Vinyl Corner Bead At All Corners (Typ.)

Gypsum Board Wall With Acoustical Insulation (Typ.)

WALL CORNER

3-5/8" 18 Ga. Galvanized Steel Runner Track Anchored To Concrete Floor

Wall Base (Typ.)

Finish Floor (Typ.)

3-5/8" Galvanized Metal @ 16" O. C. (Typ.)

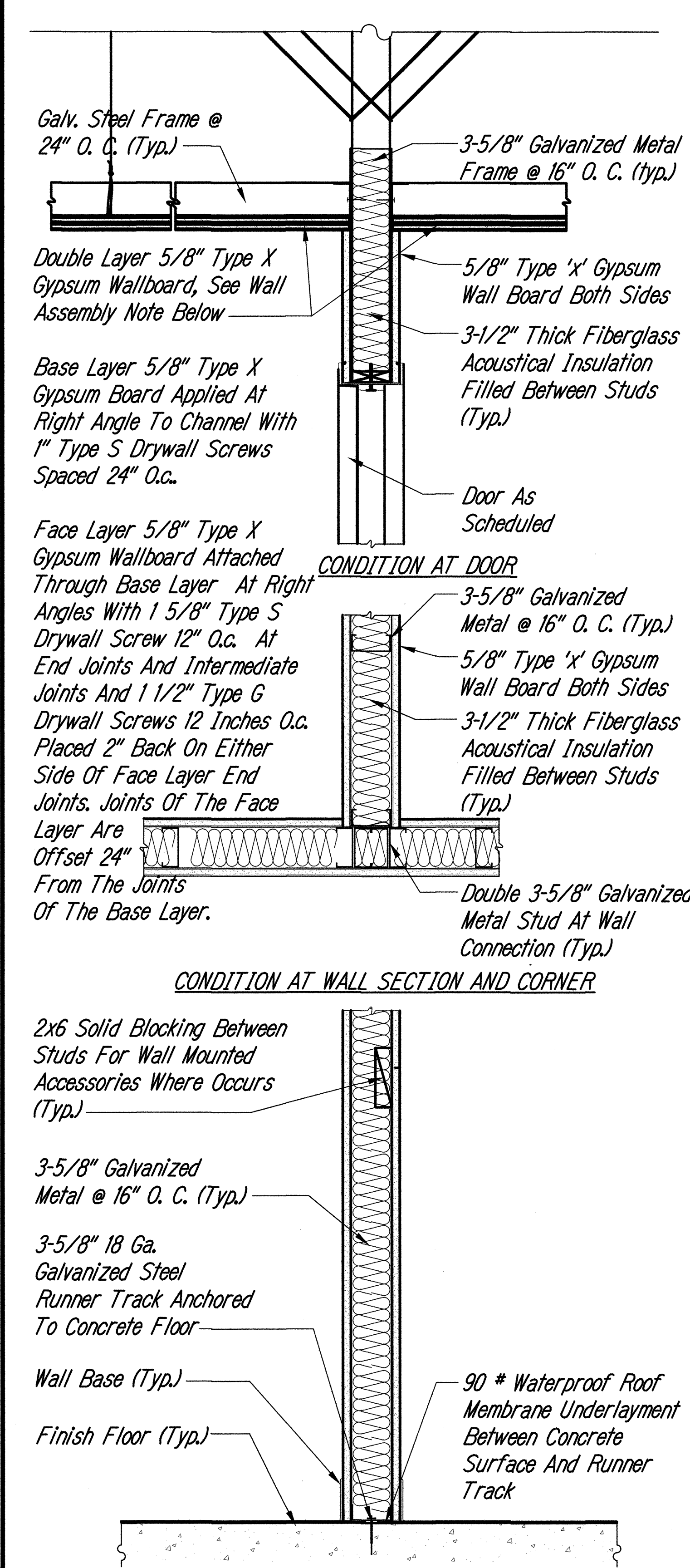
90 # Waterproof Roof Membrane Underlayment Between Concrete Surface And Runner Track

GYPSON BOARD WALL BETWEEN OFFICES

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

A2

A2.2 A6.3



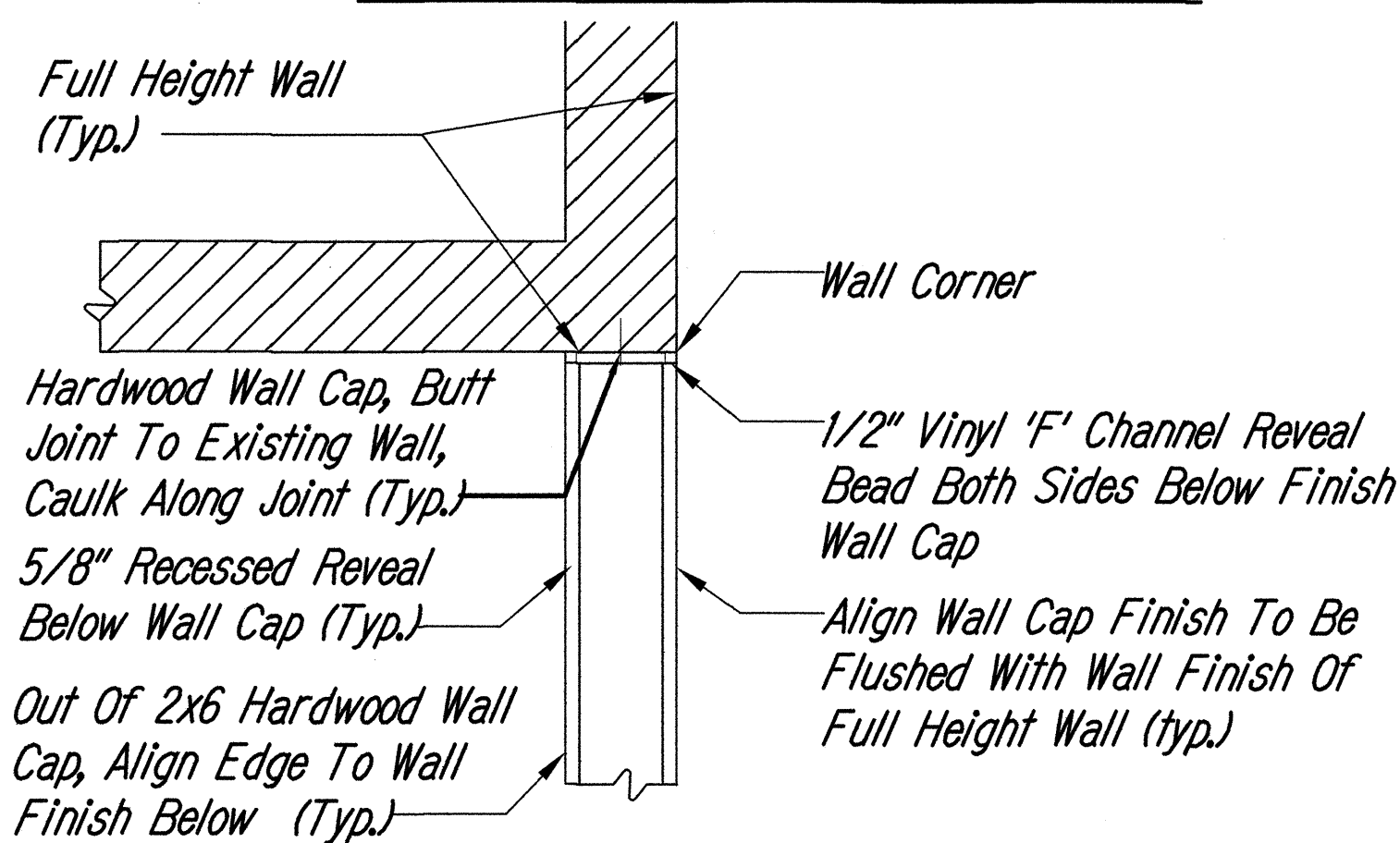
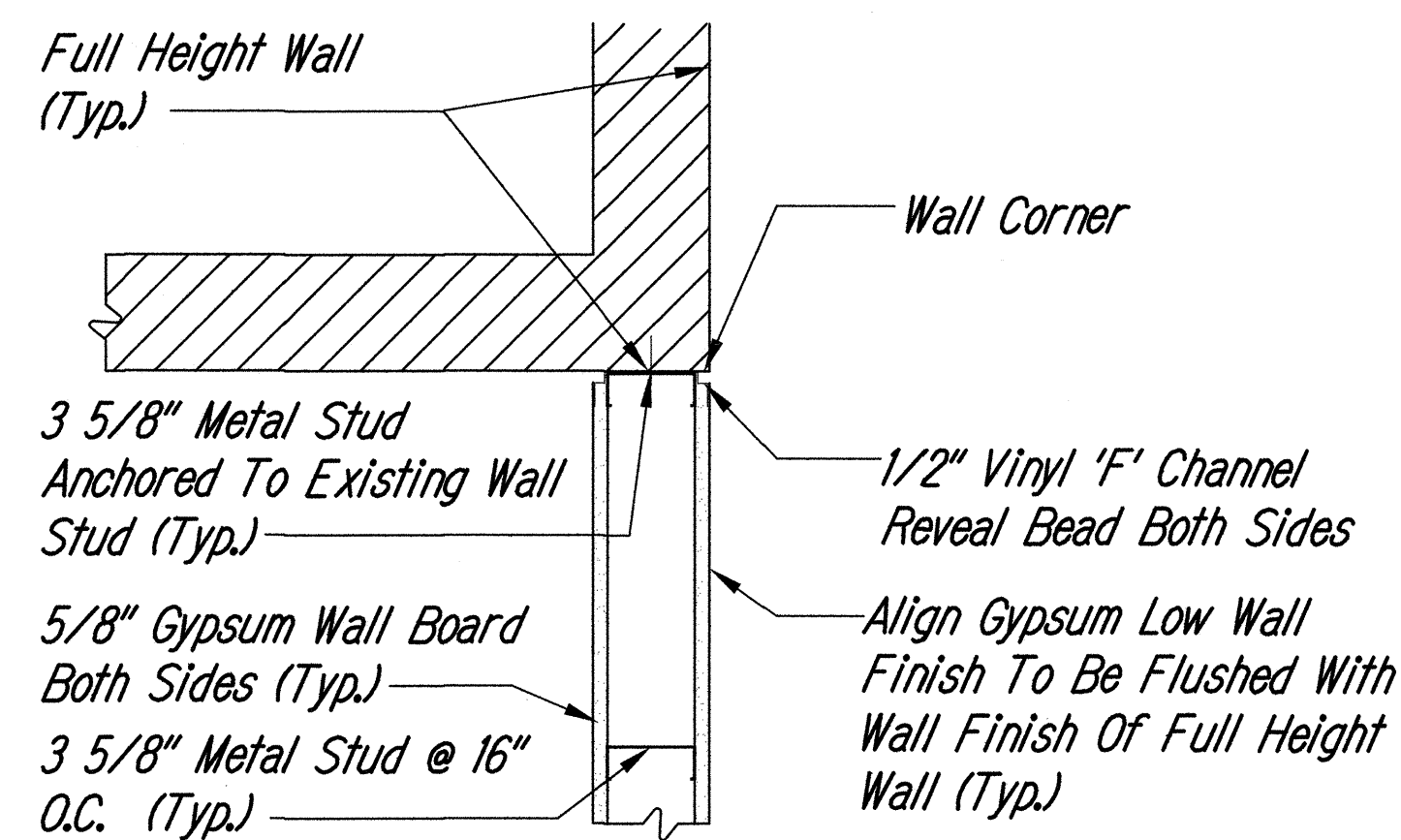
GYPSUM BOARD WALL AND
CEILING AT CORRIDOR

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

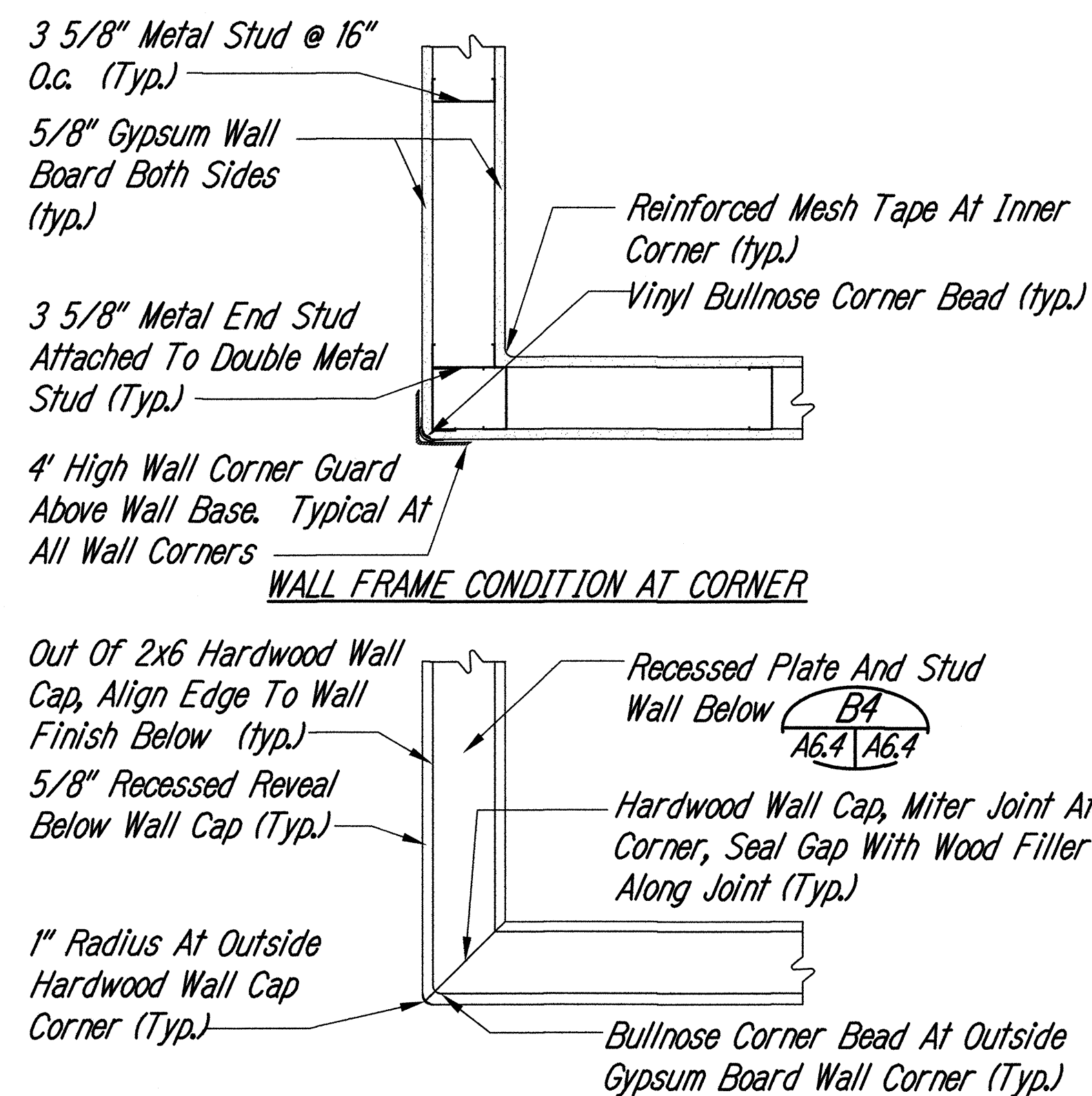
A1
A2.2 A6.3

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-08	2014	31	57



LOW PARTITION WALL CONNECTION SECTION C1
SCALE 1-1/2"=1'-0" WALL CAP CONNECTION TO OTHER WALL A2.2 | A6.4

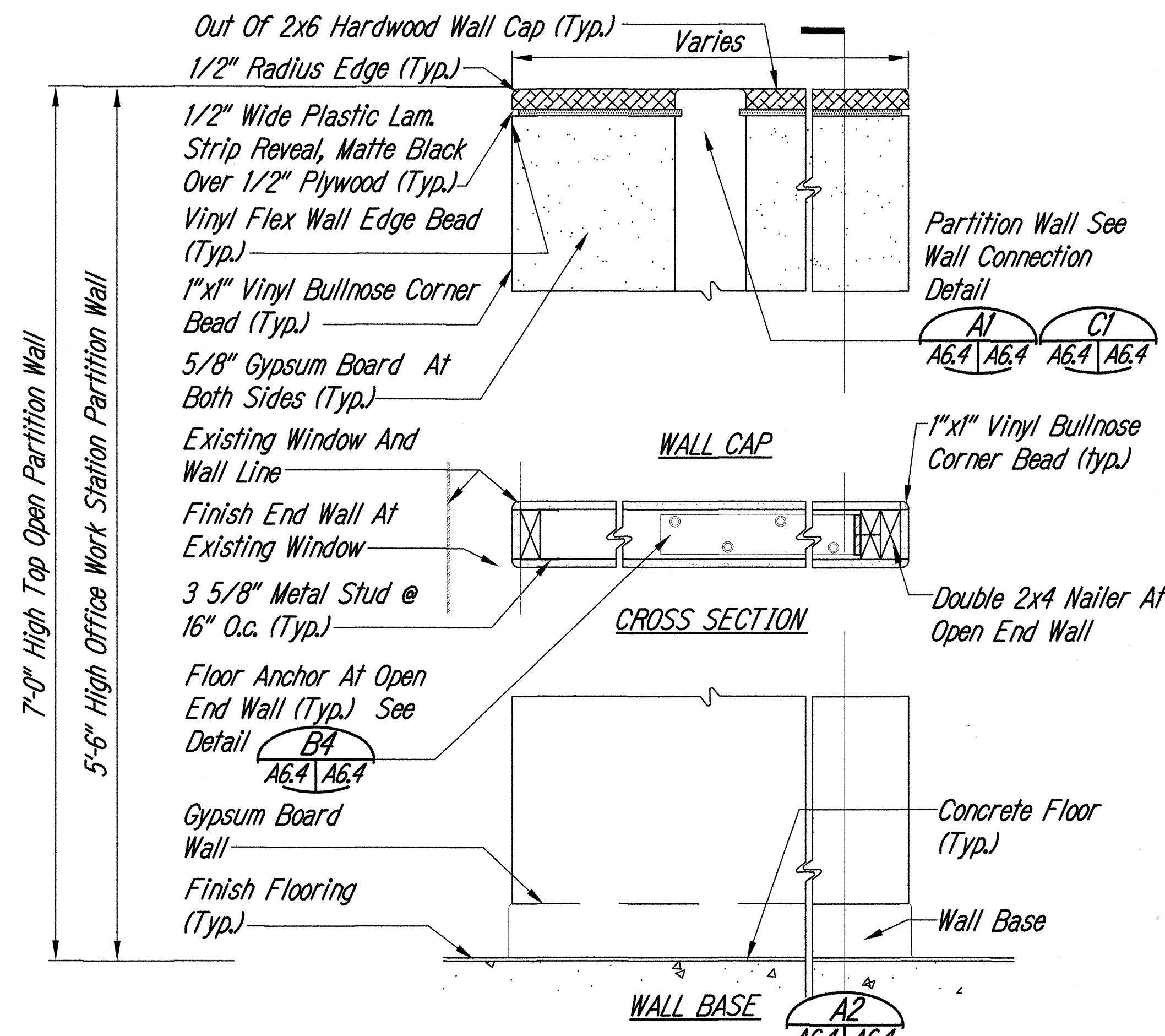


LOW PARTITION CORNER WALL SECTION

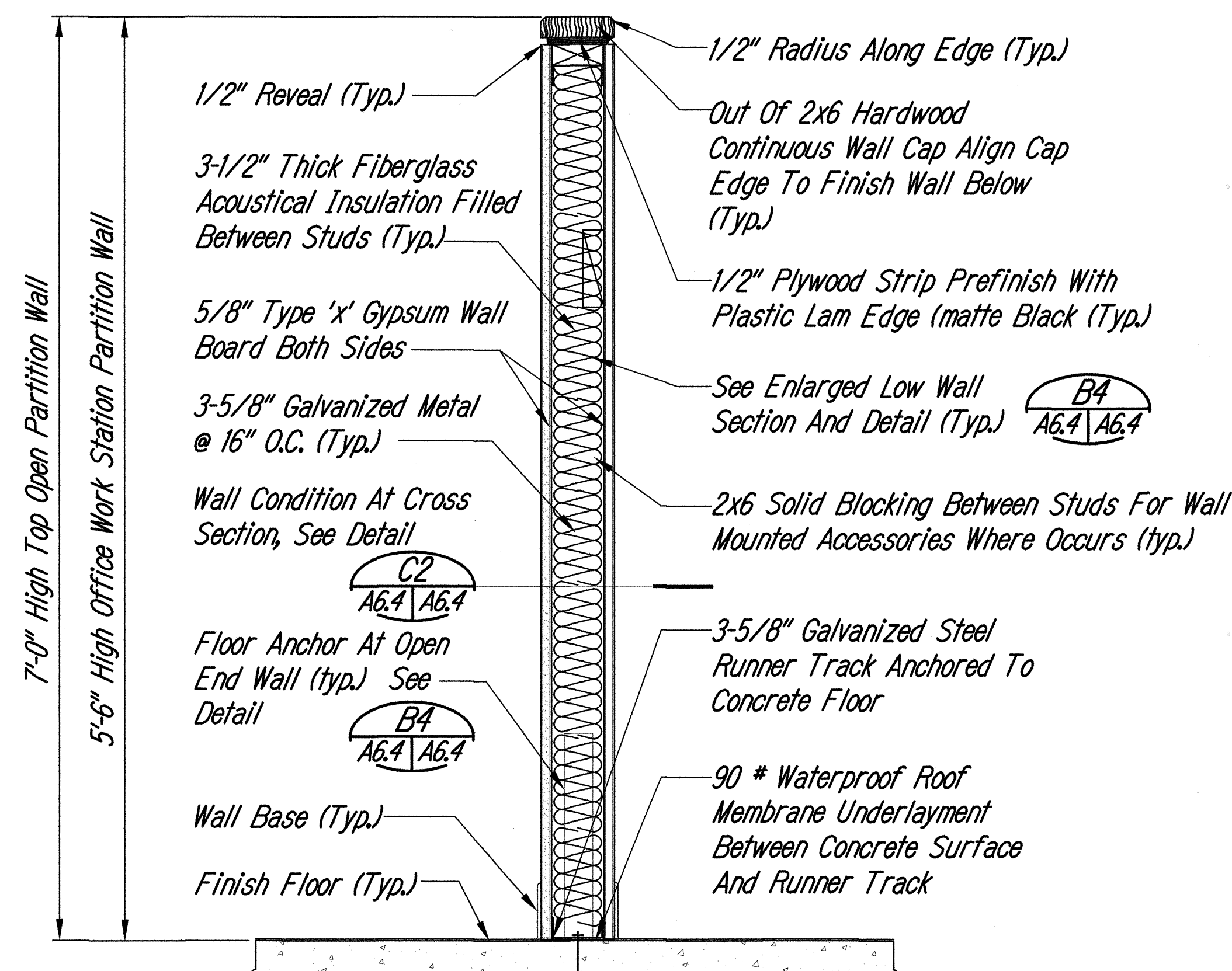
SCALE 1-1/2"=1'-0" WALL CAP CONDITION AT CORNER

A1

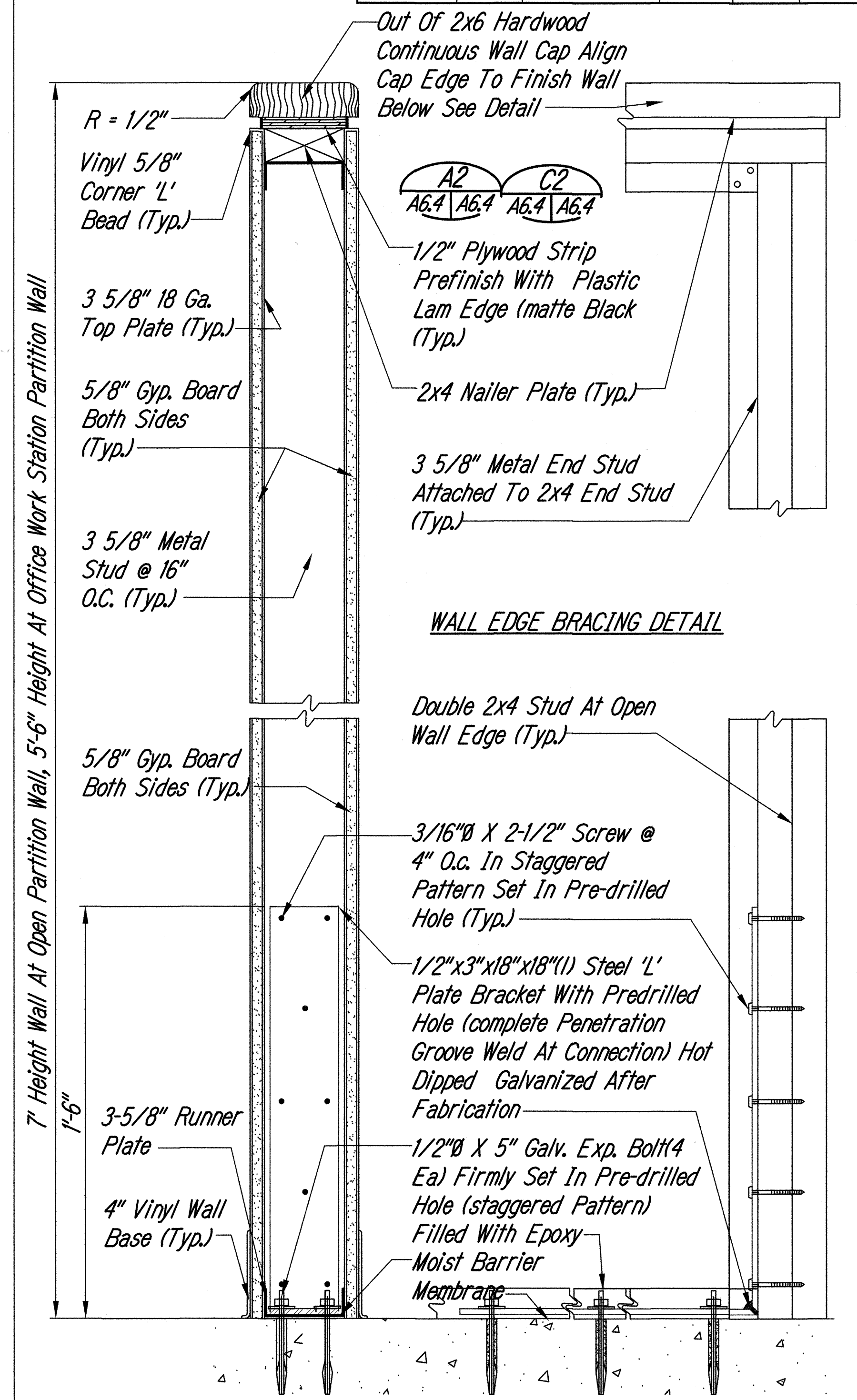
A2.2 | A6.4



LOW WALL ELEVATION AND CROSS SECTION C2
SCALE 1-1/2"=1'-0" A2.2 | A6.4



LOW PARTITION WALL SECTION AND WALL ANCHORING DETAIL A2
SCALE 1-1/2"=1'-0" A2.2 A6.4



ENLARGED WALL SECTION/ANCHORING DETAIL B4
SCALE 3"=1'-0" A6.4 A6.4



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WALL SECTIONS AND DETAILS

MOTOR VEHICLE SAFETY OFFICE
RENOVATION
Project No. HWY-0-02-08

Scale: As Noted Date: APRIL, 2014

SHEET No. **A6.4** OF **57** SHEETS

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