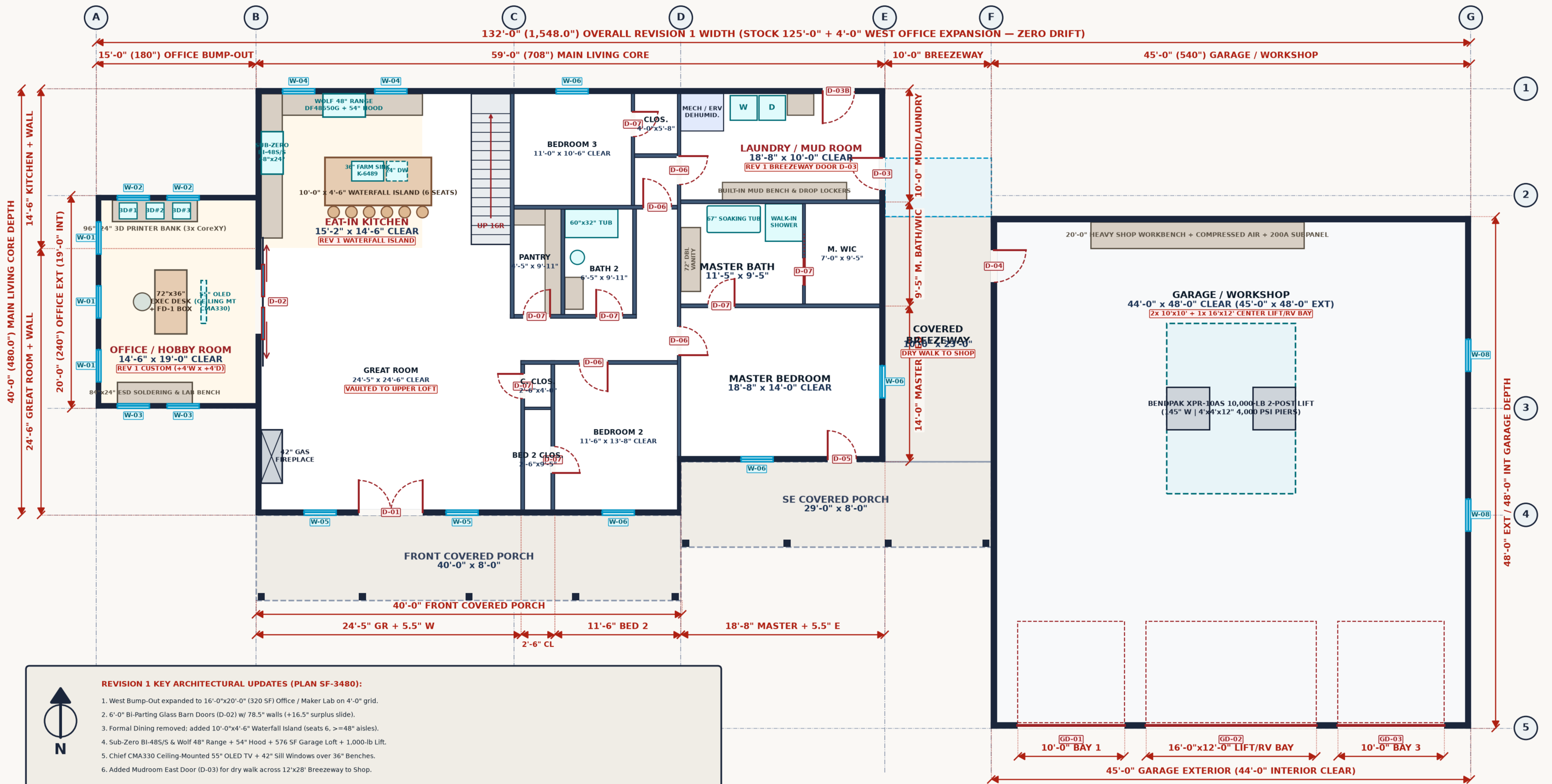




PROJECT: SF-3480 BARNDOMINIUM (REV 1)

CLIENTS: MIKE & AMY GOPPERT

PLAN SF-3480 (132'-0" x 48'-0" GRID)

SHEET A-101: MAIN LEVEL FLOOR PLAN — CUSTOM REVISION 1

16'x20' Maker Lab | 10' Waterfall Island | Sub-Zero & Wolf | 576 SF Loft + Lift

SPECFORGE CAD — REV 1 VERIFIED

ZERO DRIFT | IRC R311.7 / R307.1

SUB-ZERO / WOLF / MARVIN RO LOCKED

SCALE: 1/8" = 1'-0" (ARCH D)

DATE: OCT 27, 2026

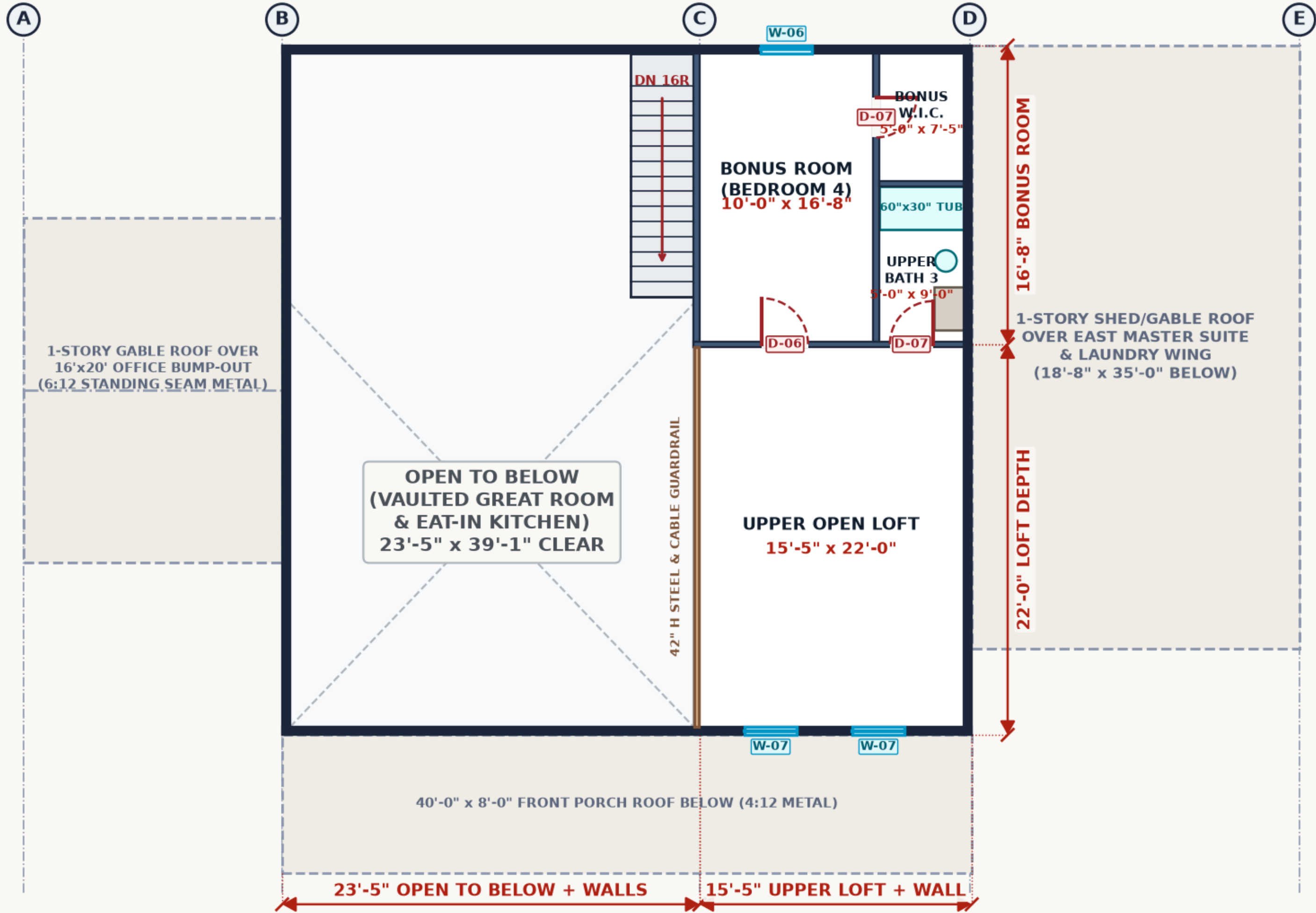
ARCH D (24" x 36")

SHEET

A-101

UPPER LEVEL FLOOR PLAN & LOWER ROOF FRAMING PLAN

(2-Story Core Over Great Room, Kitchen & Center Rooms | 1-Story Roofs Over West Office & East Master Wing)



REVISION 1 — VERIFIED DOOR SCHEDULE (EXTERIOR, INTERIOR, BI-PARTING BARN & OVERHEAD DOORS)

MARK	LOCATION	DOOR SIZE	MANUFACTURER / MODEL SKU	ROUGH OPENING
D-01	Great Room Front Entry (South Po	6'-0" x 8'-0" (Pair 3'-0")	Marvin Ultimate / Therma-Tru Classic	74-1/2" x 98-1/2"
D-02	West Wing Office/Maker Lab to Gr	6'-0" x 8'-0" (Pair 3'-0" x 8'-0")	Rustica / TruStile TS1000 Pair on 14	74-1/2" x 97-1/2" Cased Opening
D-03	Mudroom to 12'x28' Covered Breez	3'-0" x 6'-8"	Therma-Tru Smooth-Star S210	38-1/2" x 82-1/2"
D-03B	Mudroom Rear Utility Entry (Nort	3'-0" x 6'-8"	Therma-Tru Smooth-Star S140	38-1/2" x 82-1/2"
D-04	Drive-Through Shop to Breezeway	3'-0" x 6'-8"	Masonite / Therma-Tru Fire-Rated	38-1/2" x 82-1/2"
D-05	Primary Suite to 20'x8' SE Cover	2'-8" x 8'-0"	Marvin Essential Outswing French Doo	34-1/2" x 96-1/2"
D-06	Primary Bed, Bed 2, Bed 3, Bonus	2'-8" x 6'-8" (32" x 80")	TruStile TS3000 Solid Core (STC-32)	34" x 82-1/2"
D-07	Pantry, WICs, Baths, Attic Stock	2'-6" x 6'-8" (30" x 80")	TruStile TS3000 + Johnson 1500 Pocke	32" x 82-1/2" (Swing) / 62" x 84-1/2" (Pocket)
G-01	Garage Mezzanine Loft Cargo Lift	4'-0" x 3'-6" (48" W x 42" H)	Cotterman / Mezzanine Safety Gate w/	48" Clear Pass-Through in 42" Cable Guardrail
GD-01	Shop South Wall — West/Center Dr	14'-0" x 14'-0"	Clopay Canyon Ridge 5-Layer (R-20.4)	171" x 169-1/2" (14'-3" x 14'-1.5")
GD-02	Shop South Wall — East Lift & Ve	14'-0" x 14'-0"	Clopay Canyon Ridge 5-Layer (R-20.4)	171" x 169-1/2" (14'-3" x 14'-1.5")
GD-03	Shop North/East Drive-Through Re	12'-0" x 10'-0"	Clopay Canyon Ridge (R-20.4) + LiftM	147" x 121-1/2" (12'-3" x 10'-1.5")

REVISION 1 — VERIFIED MARVIN WINDOW SCHEDULE (SILL HEIGHTS CHECKED AGAINST 36" WORKBENCHES)

MARK	LOCATION & QTY	SIZE	SILL / HEAD	MARVIN SKU	ROUGH OPEN.
W-01	West Wing Office/Maker Lab — West W	3'-0" x 6'-0" (36" x 72")	Sill 24" AFF / Hd 96" (8'-0") AFF	Marvin Essential ESSH3060 (B	36-1/2" x 72-1/2"
W-02	West Wing Office — North Wall Over	3'-0" x 4'-6" (36" x 54")	Sill 42" AFF / Hd 96" (8'-0") AFF	Marvin Essential Casement ES	36-1/2" x 54-1/2"
W-03	West Wing Office — South Wall Over	3'-0" x 4'-6" (36" x 54")	Sill 42" AFF / Hd 96" (8'-0") AFF	Marvin Essential Casement ES	36-1/2" x 54-1/2"
W-04	Eat-In Kitchen — North Wall Flankin	3'-0" x 4'-6" (36" x 54")	Sill 42" AFF / Hd 96" (8'-0") AFF	Marvin Essential Casement ES	36-1/2" x 54-1/2"
W-05	Great Room — South Porch Wall Flank	3'-0" x 6'-0" (36" x 72")	Sill 24" AFF / Hd 96" (8'-0") AFF	Marvin Essential ESSH3060	36-1/2" x 72-1/2"
W-06	Bedrooms 2 & 3, Primary Suite, Bonu	3'-0" x 5'-0" (36" x 60")	Sill 36" AFF / Hd 96" (8'-0") AFF	Marvin Essential Egress Case	36-1/2" x 60-1/2"
W-07	Main House Upper Loft — South Gable	3'-0" x 5'-0" (36" x 60")	Sill 36" AFF / Hd 96" (8'-0") AFF	Marvin Essential ESSH3050	36-1/2" x 60-1/2"
W-08	Second-Story Garage Mezzanine Loft	3'-0" x 4'-0" (36" x 48")	Sill 42" AFF / Hd 90" AFF	Marvin Essential Casement ES	36-1/2" x 48-1/2"

REVISION 1 — LUXURY APPLIANCE, CEILING TV MOUNT & WORKSHOP LIFT SCHEDULE

MARK	APPLIANCE / EQUIPMENT	VERIFIED MFG & SKU	ROUGH OPENING / CLEARANCE	MEP / UTILITY
AP-01	48" Built-In Side-by-Side Refrig	Sub-Zero Classic BI-48S/S/PH	47-1/2" W x 83-3/4" H x 24" D	Dedicated 115V 15A + 1/4"
AP-02	48" Pro Dual-Fuel Range (6 Burne	Wolf DF48650G/S/P	48" W x 36-7/8" H x 24" D counte	240V 50A + 3/4" gas shuto
AP-03	54" Pro Wall Hood + Make-Up Air	Wolf PW542418 + 1100 CFM Blower	10" round roof duct + interlocke	120V 15A circuit
AP-04	36" Apron-Front Cast-Iron Farmho	Kohler Whitehaven K-6489-0 + Cov	36" sink base + 24" W x 34-1/2"	Hot/Cold + 2" Island loop
EQ-01	Ceiling-Mounted 55" OLED Display	LG C4 55" OLED + Chief CMA330 Be	Clamped to structural ceiling gl	Ceiling duplex + Cat6A/HD
EQ-02	3D Printer Bank (North Wall) & E	96"x24"x36"H Stone 3D Counter (3	6" Fantech 180 CFM active HEPA/c	3x Dedicated 20A 120V cir
EQ-03	10,000-lb Asymmetric 2-Post Auto	BendPak XPR-10AS (145" W x 145"	16'-0" clear bay x 20'-0" eave h	240V 30A overhead drop +
CL-3A	GARAGE LOFT CARGO HOIST — OPTION	Harrington SNER005S / Jet 1SS-1C	Cantilevered W8x18 steel monorai	Dedicated 120V 20A overhe
CL-3B	GARAGE LOFT PLATFORM LIFT — OPTI	Autoquip / Titan ML-1000 1,000-l	54" x 54" clear shaft footprint	240V 20A circuit + upper/

MATHEMATICAL ZERO-DRIFT RECONCILIATION & IRC BUILDING CODE VERIFICATION

PROJECT: SF-3480 BARNDOMINIUM (REV 1)

CLIENTS: MIKE & AMY GOPPERT

PLAN SF-3480 (132'-0" x 48'-0" GRID)

SHEET A-102: UPPER LEVEL FLOOR PLAN, SCHEDULES & DIMENSIONAL RECONCILIATION

16'x20' Maker Lab | 10' Waterfall Island | Sub-Zero & Wolf | 576 SF Kitchen Core South

CHECK AXIS / ITEM

EXACT M

MATHEMATICAL SUMMATION CHAIN
SPEC FORGE CAD — REV 1 VERIFIED

X-Overall Footprint

15'-0" Office (180") + 59'-0" Core (708") + 10'-0" Breezeway (120") + 45'-0" Shop (540")

X-Kitchen Core

5.5"W + 293" Great Rm + 4" + 30" Clos. + 138" Bed2 + 4" + 224" Master Suite + 5.5"E

X-Main Core Mid

5.5"W + 281" CB/Stair + 4" + 53" Pantry + 4" + 77" Bath2 + 4" + 46" Hall + 4" + 224" M Bath/WIC + 5.5"E

X-Main Core North

5.5"W + 182" Kitchen + 99" Stair + 4" + 132" Bed3 + 4" + 48" Clos. + 4" + 224" Mudrm + 5.5"E

SCALE: 1/8" = 1'-0" / SCHEDULES

TOTAL / SPEC

1,548.0" (132'-0")

DATE: OCT 27, 2026

ARCH: D (24" x 36")

708.0" (59'-0")

STATUS

SHEET

0.00" DRIFT

0.00" DRIFT

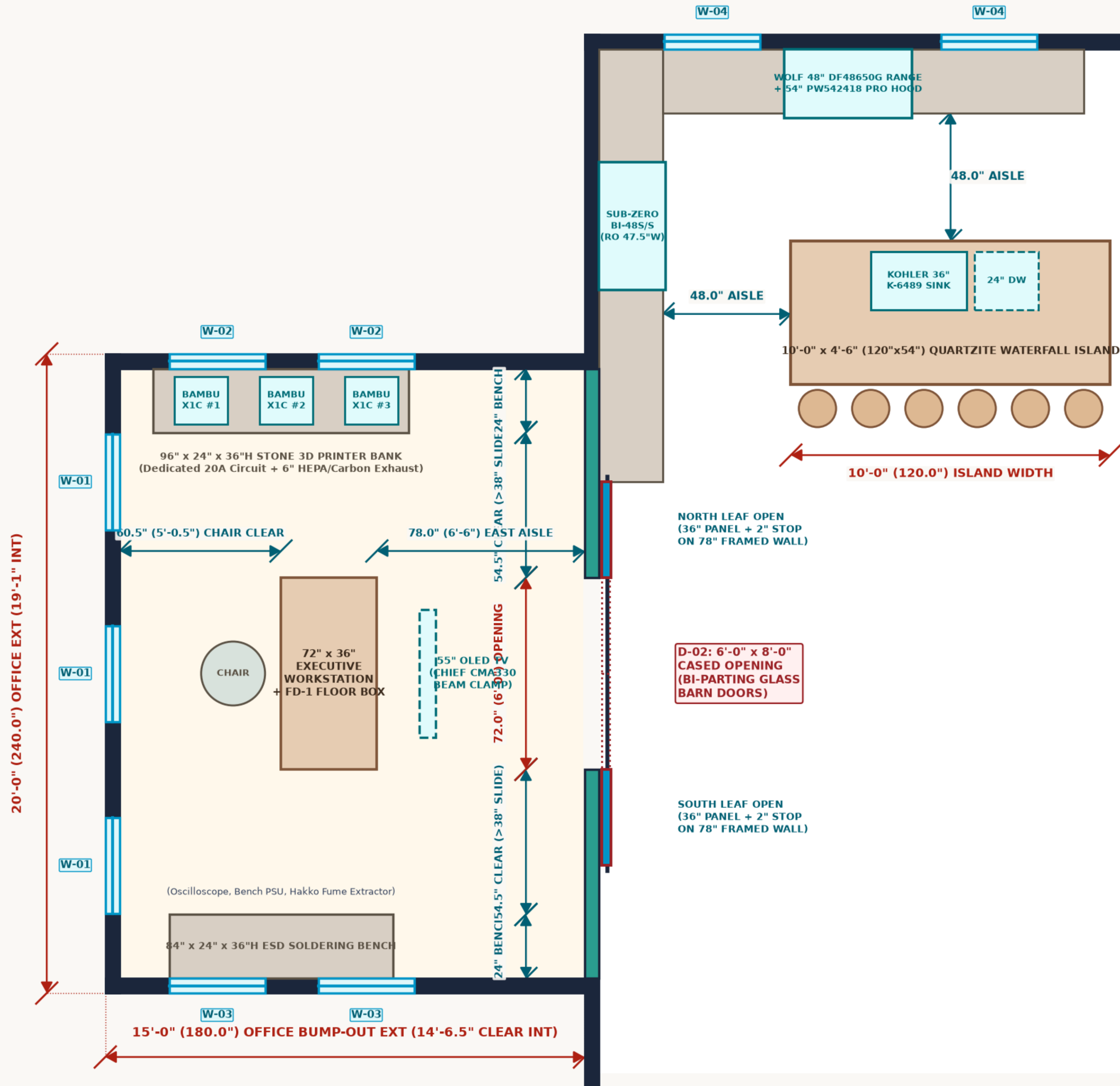
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A-102

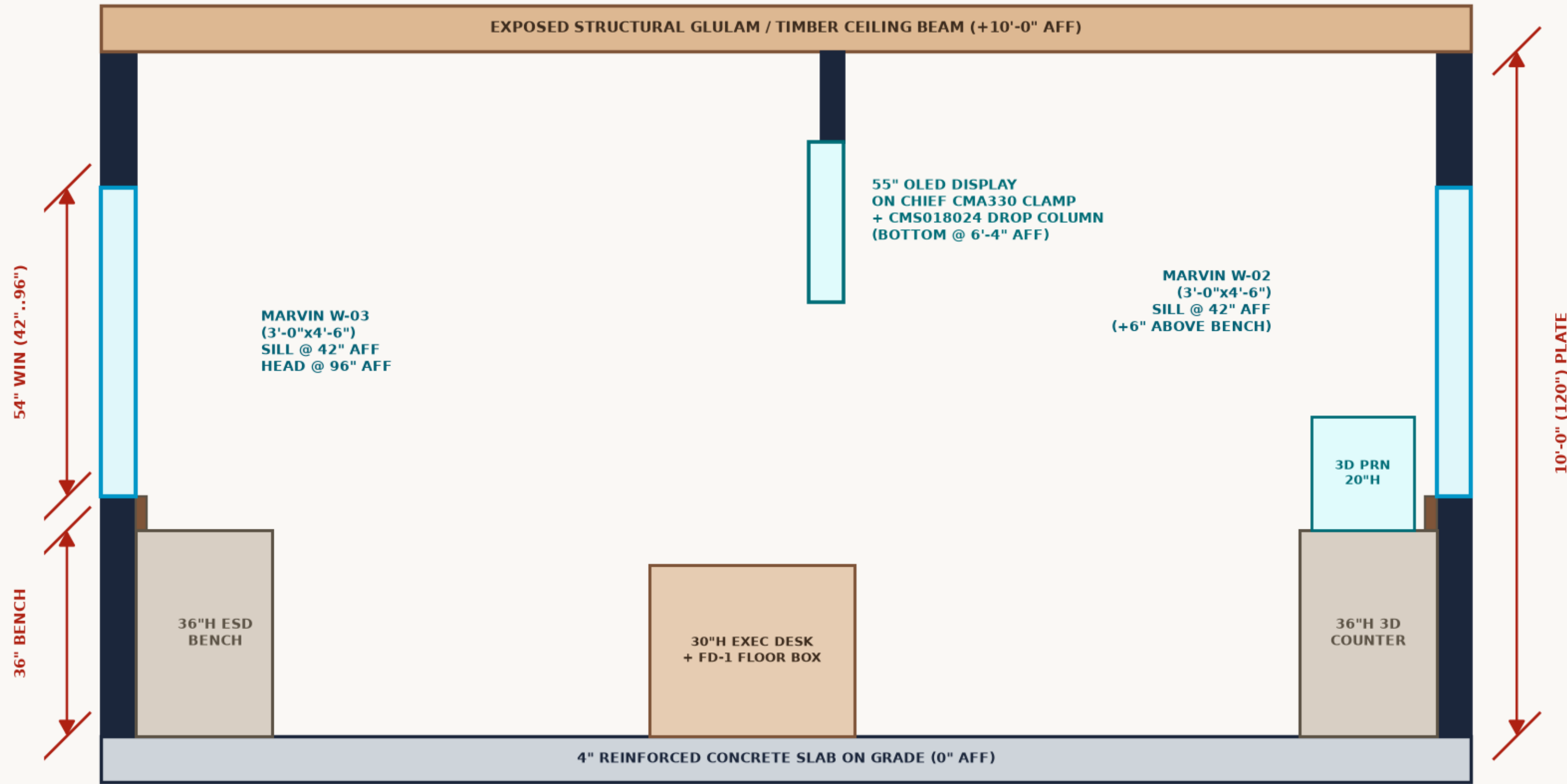
ENLARGED PLAN: OFFICE / MAKER HOBBY ROOM & EAT-IN KITCHEN

(Showing Exact Door Slide Travel, 48" Kitchen Work Aisles & Equipment Clearances)



SECTION ELEVATION A-A: OFFICE / HOBBY ROOM (WINDOW SILL & CEILING TV CLEARANCE)

(Proving 42" AFF Sill Height Clears 36" Workbenches + 6" Backsplash & Ceiling TV Blocks Zero Glass)



1. BI-PARTING GLASS BARN DOOR SLIDE PROOF (MIKE'S CRITIQUE RESOLVED)

- Opening: 6'-0" W x 8'-0" H (72" x 96") centered in 19'-1" (229") interior East wall of Office.
- Framed Wall Each Side: $(229" - 72") / 2 = 78.5"$ (6'-6.5") North & South of opening.
- Required Travel per Leaf: 36" door leaf + 2" stop = 38.0" travel.
- Available Clear Wall Inside 24" Deep Benches: $78.5" - 24.0" = 54.5"$ ($> 38.0" = +16.5"$ SURPLUS!).
- Available Clear Wall on Great Room Face (12'-0" Flat Track): 78.5" clear ($+40.5"$ SURPLUS!).

2. KITCHEN WATERFALL ISLAND, SUB-ZERO & WOLF CLEARANCE PROOF

- Island Footprint: 10'-0" x 4'-6" (120" x 54") Taj Mahal Quartzite w/ 15" South knee overhang (6 seats @ 20" OC).
- Work Aisles: 48.0" (4'-0") clear West aisle to Sub-Zero BI-48S/S; 48.0" (4'-0") clear North aisle to Wolf 48" Range.
- Sub-Zero BI-48S/S/PH Rough Opening: 47-1/2" W x 83-3/4" H x 24" D (dedicated 115V 15A + 1/4" water line).
- Wolf DF48650G/S/P 48" Range Cutout: 48" W x 36-7/8" H x 24" D under Wolf PW542418 54" Hood (1200 CFM + MUA).

PROJECT: SF-3480 BARNDOMINIUM (REV 1)

CLIENTS: MIKE & AMY GOPPERT

PLAN SF-3480 (132'-0" x 48'-0" GRID)

SHEET A-103: ENLARGED WEST WING PLAN, BARN DOOR SLIDE PROOF & BENCH/SILL SECTION

16'x20' Maker Lab | 10' Waterfall Island | Sub-Zero & Wolf | 576 SF Loft + Lift

SPECFORGE CAD — REV 1 VERIFIED

ZERO DRIFT | IRC R311.7 / R307.1

SUB-ZERO / WOLF / MARVIN RO LOCKED

SCALE: 1/4" = 1'-0" (ENLARGED)

DATE: OCT 27, 2026

ARCH D (24" x 36")

SHEET

A-103