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PROJECT NO.
101-10-256.001

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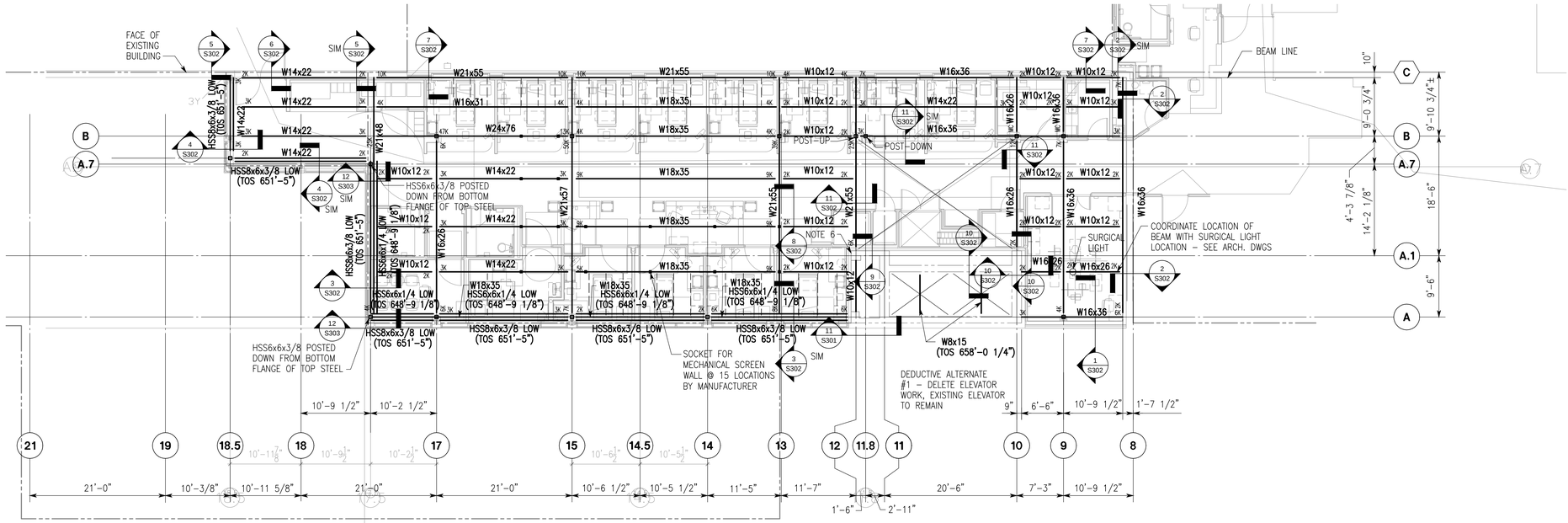
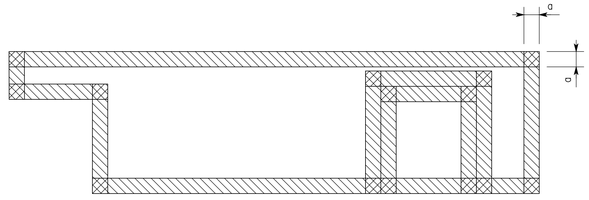


Wall Elevation

ZONE 4:

ZONE 5:



Roof Components & Cladding Layout

ZONE 1:

ZONE 2:

ZONE 3:

EDGE DISTANCE "a" = 4'-0"

Components and Cladding Wind Pressures (V_{ult} per ASCE 7-10)			
ZONE	EFFECTIVE WIND AREA (SQ.FT)	MAX +VE PRESSURE (PSF)	MAX -VE PRESSURE (PSF)
ZONE 1	10	16.0	-28.1
ROOF	20	16.0	-27.4
INTERIOR	50	16.0	-26.4
ZONE	≥100	16.0	-25.7
ZONE 2	10	16.0	-47.2
ROOF	20	16.0	-42.1
EDGE	50	16.0	-35.5
ZONE	≥100	16.0	-30.5
ZONE 3	10	16.0	-71.0
ROOF	20	16.0	-58.8
CORNER	50	16.0	-42.7
ZONE	≥100	16.0	-30.5
ZONE 4 WALL INTERIOR ZONE	10	25.7	-27.9
	20	24.6	-26.7
	50	23.1	-25.2
	100	21.9	-24.1
	≥500	19.3	-21.4
ZONE 5 WALL EDGE ZONE	10	25.7	-34.3
	20	24.6	-32.0
	50	23.1	-29.0
	100	21.9	-26.7
	≥500	19.3	-21.4
WIDTH OF EDGE STRIP, a= 4'-0"			
INTERNAL PRESSURE COEFFICIENT = +/-0.18			

Column Schedule

COLUMN DESIGNATION		C1	C2
COLUMN	SIZE	22"ø	HSS4x4x3/8
	BASE PLATE	EXISTING	1/2"x8"x8"
	ANCHOR RODS	8-#8 BARS	(4) 3/4"ø x1'
	NOTES	#4 TIES @12"	

Roof Framing Plan

1/8"=1'-0"

1. TOP OF STEEL ELEVATION 656'-4 3/4", UNLESS NOTED.
2. ROOF FRAMING SYSTEM: 1.5" NON-COMPOSITE METAL DECK ON STEEL BEAMS.
3. "------" INDICATES DOUBLE ⌊L4x4x3/8 ANGLE SUPPORT FOR PATIENT LIFT SYSTEM. INSTALL AS REQUIRED BY LIFT MANUFACTURER.
4. TOP OF LOW STEEL ELEVATION 653'-10 7/8".
5. "MC" INDICATES MOMENT CONNECTION. SEE SHEET S102 FOR TYPICAL DETAIL.
6. DECK CLOSURE ANGLE CONTINUOUS AROUND EXISTING STRUCTURE - ATTACH WITH 1/2"ø x6" HILTI KWIK HUS-EZ SCREW ANCHORS.

CONSTRUCTION DOCUMENTS - 100% FINALS FULLY SPRINKLERED

Revisions:	Date

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Drawing Title: ROOF FRAMING PLAN
Approved Project Director: James Zellander
Project Title: A/E AMBULATORY SURGERY IMPROVEMENTS
Location: VAMC - Birmingham, Alabama
Date: 5/23/2014
Checked: WIN
Drawn: GVA
Project Number: 521-328
Building Number: 0000000000
Drawing Number: S205
Dwg. 7 of 124

Office of Construction and Facilities Management
Department of Veterans Affairs

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