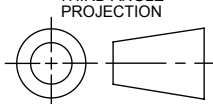
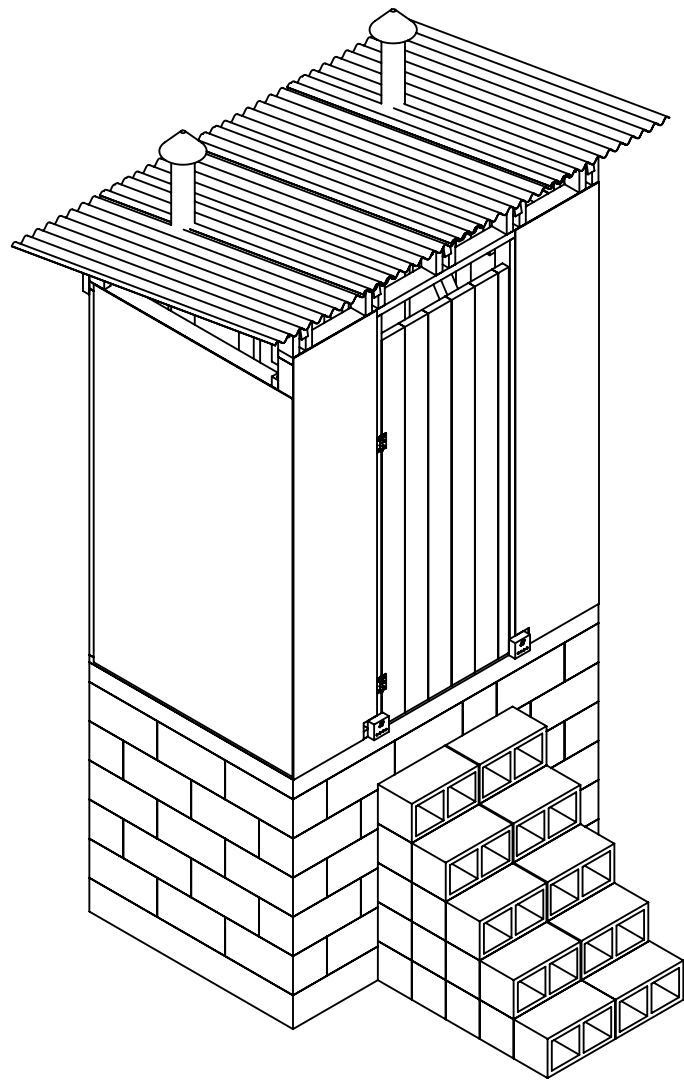


VICINITY SKETCH

2		1	
REVISIONS			
DATE	REV	RELEASE NOTES	INITIALS
12/15/2016	1	INITIAL RELEASE	VS
1/26/2017	2	ADDED MORE DETAILS TO MODEL AND IMPROVED DRAWINGS TO REFLECT CALCS	VS
1/27/2017	3	FINAL DESIGN CHANGES	VS
2/28/2017	4	ADDED TITLE SHEET	VS
3/5/2017	5	FRANCISCO G. COMMENTS REVISION	VS
5/10/2017	6	STEVEN WONG COMMENTS	VS
SHEET SCHEDULE			
SHEET 1	TITLE & INDEX		
SHEET 2	DESIGN NOTES		
SHEET 3	PRINCIPAL VIEWS		
SHEET 4	REAR VIEW		
SHEET 5	BASE INT. DETAIL		
SHEET 6	BASE SEC. VIEWS		
SHEET 7	ROOF BEAM CONN		
SHEET 8	STUD & CORNER POST CONNECTIONS		
SHEET 9	BILL OF MATERIALS		
DIMENSIONAL NOTES			
D1. THE MASTER SOURCE OF INFORMATION FOR THIS DRAWING IS A COMPUTER DATABASE. D2. DO NOT SCALE PRINT. D3. SOME FEATURES ARE NOT FULLY DIMENSIONED. FOR THOSE FEATURES, REFER TO THE 3D CAD DATA SUPPLIED ALONG WITH THIS DRAWING. CAD DATA TOLERANCES = +/- 0.2mm. THIS REFERENCE TO THE CAD DATA APPLIES ONLY TO FEATURES THAT DIRECTLY REFERENCE THIS NOTE. D4. DIMENSIONS APPLY AFTER FINISHING OPERATIONS			
DRAWN BY V. SILVA		DESIGNED BY S. WONG	
COMPOSTING LATRINES INSTALLATION EL LIMON, ESTELI, NICARAGUA EWB SAN FRANCISCO PROFESSIONAL CHAPTER			
INTERPRET DIMENSIONS AND TOLERANCES PER ISO 1101, 128, 129			
		<div>DIMENSIONS ARE IN MM</div> <div>TOLERANCES:</div> <div>ANGULAR ±0.5°</div> <div>FRACTIONAL ±1</div> <div>DECIMALS X ±0.3</div> <div>X.X ±0.3</div> <div>X.XX ±0.10</div>	
		SCALE 1:32	SHEET SIZE B
PART NAME COMPOSTING LATRINE			
PART NUMBER		DO NOT FABRICATE IF REVISION IS OBSCURE OR BLANK	REVISION 6
			SHEET 1 OF 9
2		1	



SCALE 1 : 32  
ISOMETRIC VIEW

GENERAL NOTES:

DESIGN CRITERIA

IBC 2012  
ASCE 7-10  
ACI 318-11  
ACI 530-11  
NDS FOR WOOD CONSTRUCTION, 2015

DESIGN WIND SPEED WAS DETERMINED PER REGLAMENTO  
NACIONAL DE CONSTRUCCION, 2007

SEISMIC DESIGN CRITERIA WAS DETERMINED PER USGS  
WORLDWIDE SEISMIC TOOL WITH DATA TAKEN AT  
MANAGUA, NICARAGUA

CONCRETE NOTES

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 17.3 MPA  
STEEL REINFORCING SHALL HAVE A MINIMUM YIELD STRENGTH OF 276 MPA
2. CONCRETE COVER SHALL BE A MINIMUM OF 75MM FOR THE FOUNDATION  
AND 55MM FOR THE FLOOR SLAB

MASONRY NOTES

1. CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH  
OF 11.7 MPA. GROUT FILL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 13.8 MPA
2. PREFERENCE SHALL BE GIVEN TO PRE-PORIONED CEMENT WITH SAND MIXTURES THAT  
REQUIRE ADDITION OF ONLY WATER. MIXING SHALL CONFORM TO THE MANUFACTURER'S  
INSTRUCTIONS AND RECOMMENDATIONS. A CEMENT MIX THAT REQUIRES THE ADDITION OF  
SAND AND WATER IS ACCEPTABLE IF MIXING AND PREPARATION COMPLIES WITH THE  
MANUFACTURER'S RECOMMENDATIONS.
3. CONCRETE SURFACES AND CMU SHALL BE DAMPENED WITH WATER PRIOR TO INSTALLING  
MORTAR AND CMU. EXCESS WATER SHALL BE CLEANED OFF AND CMU BRICKS SHALL BE  
DAMP AND NOT WET BEFORE INSTALLATION
4. MORTAR SHALL BE MACHINE MIXED IF POSSIBLE
5. GROUT FILL SHALL BE POURED IN A MANNER SUCH THAT THE NUMBER OF POURS  
TO COMPLETELY FILL THE CELLS OF ONE PIER ARE MINIMIZED. IF MULTIPLE POURS  
ARE REQUIRED, POURS AFTER THE FIRST SHOULD BE DONE IMMEDIATELY AFTER  
THE PREVIOUS POUR

MASONRY ANCHOR NOTES

1. MASONRY ANCHORS SHALL HAVE A MINIMUM YIELD STRENGTH OF 166 MPA
2. MASONRY ANCHORS SHOULD BE A MINIMUM OF 25MM AWAY FROM STEEL REINFORCING  
BARS AND CMU WALLS

COMPOSTING LATRINES INSTALLATION  
EL LIMON, ESTELI, NICARAGUA  
EWB SAN FRANCISCO PROFESSIONAL  
CHAPTER

PART NAME:

DESIGN NOTES

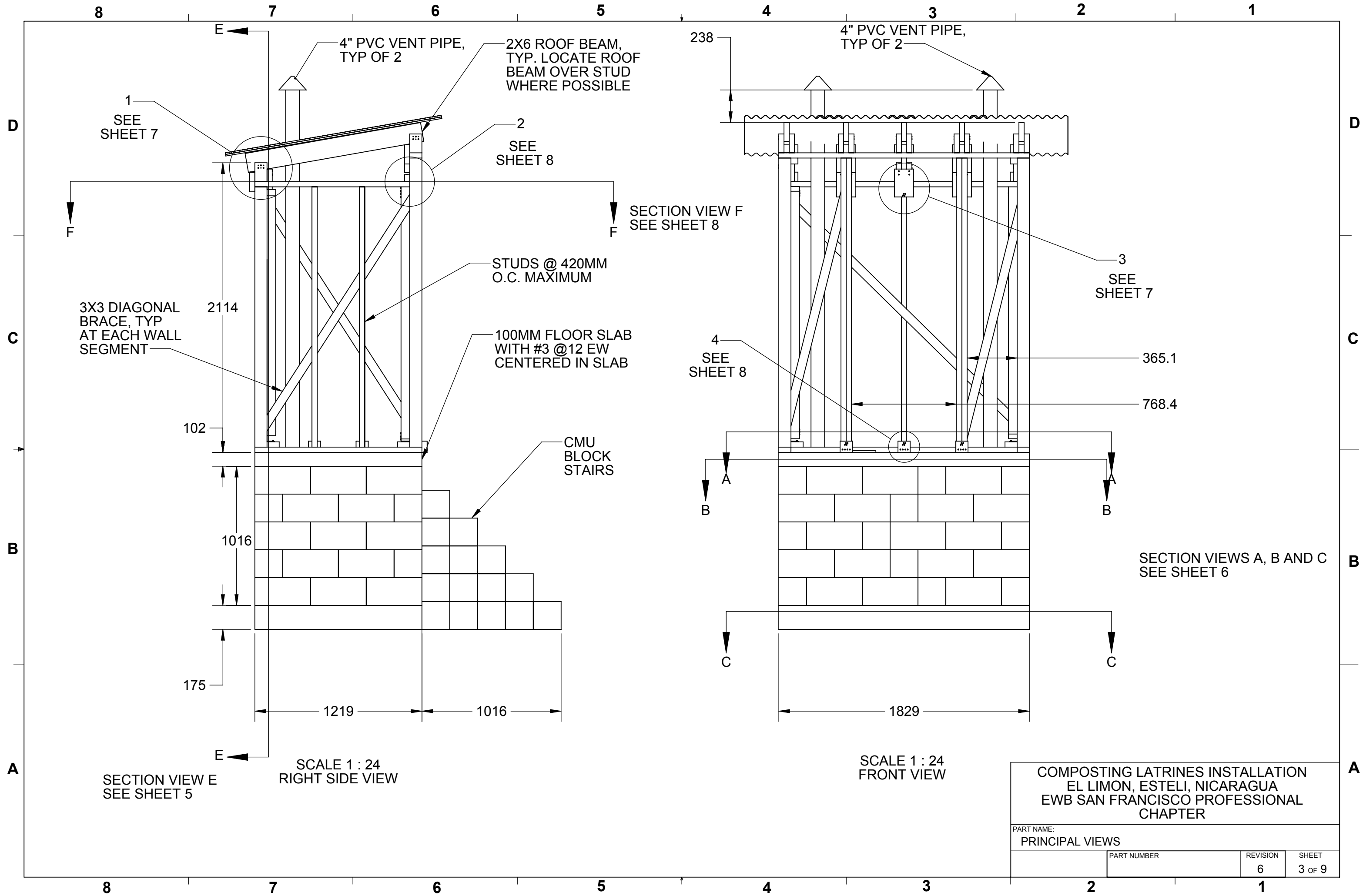
PART NUMBER

REVISION

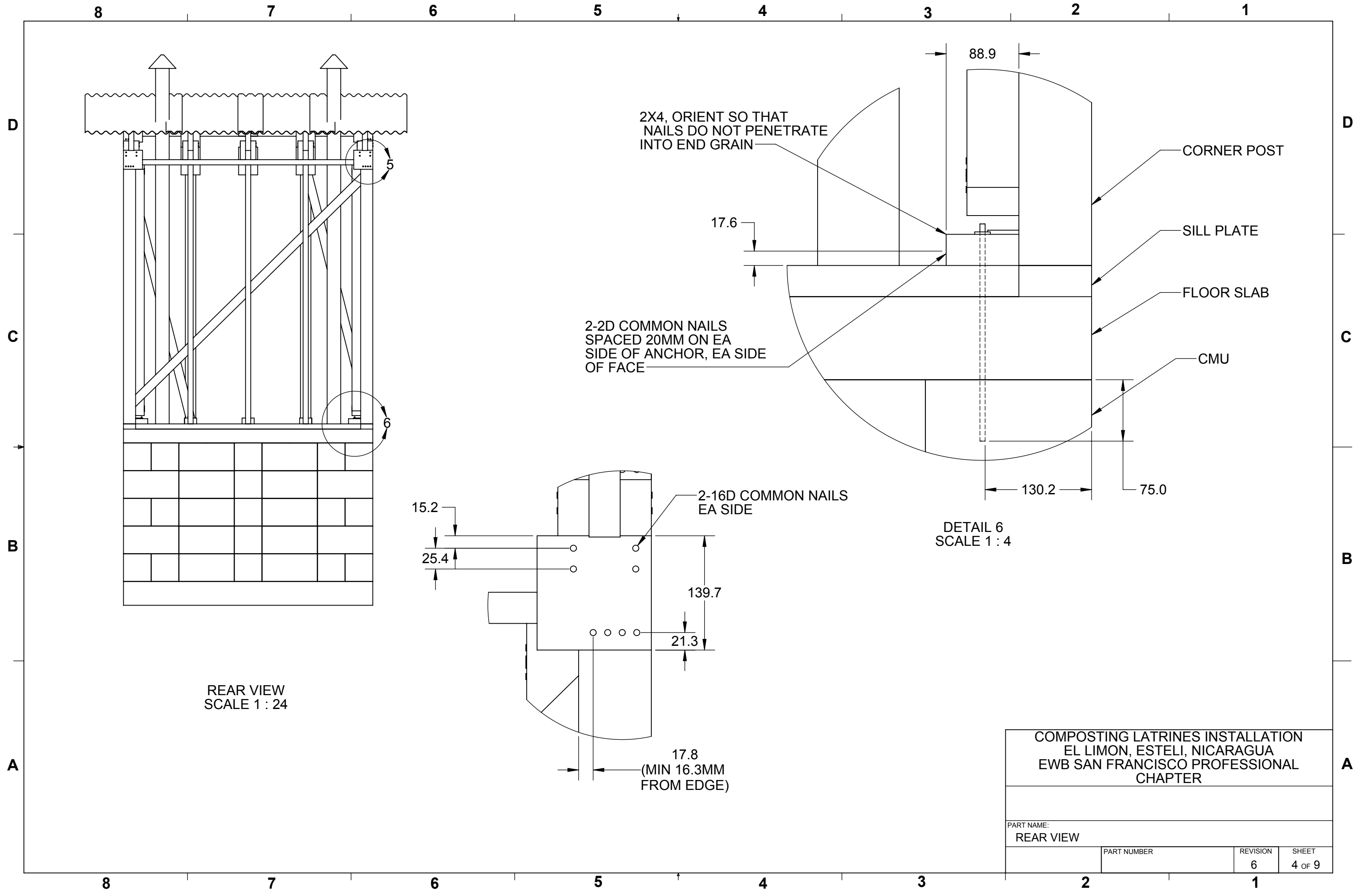
SHEET

6

2 OF 9



COMPOSTING LATRINES INSTALLATION EL LIMON, ESTELI, NICARAGUA EWB SAN FRANCISCO PROFESSIONAL CHAPTER			
PART NAME: PRINCIPAL VIEWS			
	PART NUMBER	REVISION	SHEET
		6	3 OF 9



COMPOSTING LATRINES INSTALLATION  
EL LIMON, ESTELI, NICARAGUA  
EWB SAN FRANCISCO PROFESSIONAL  
CHAPTER

PART NAME:

REAR VIEW

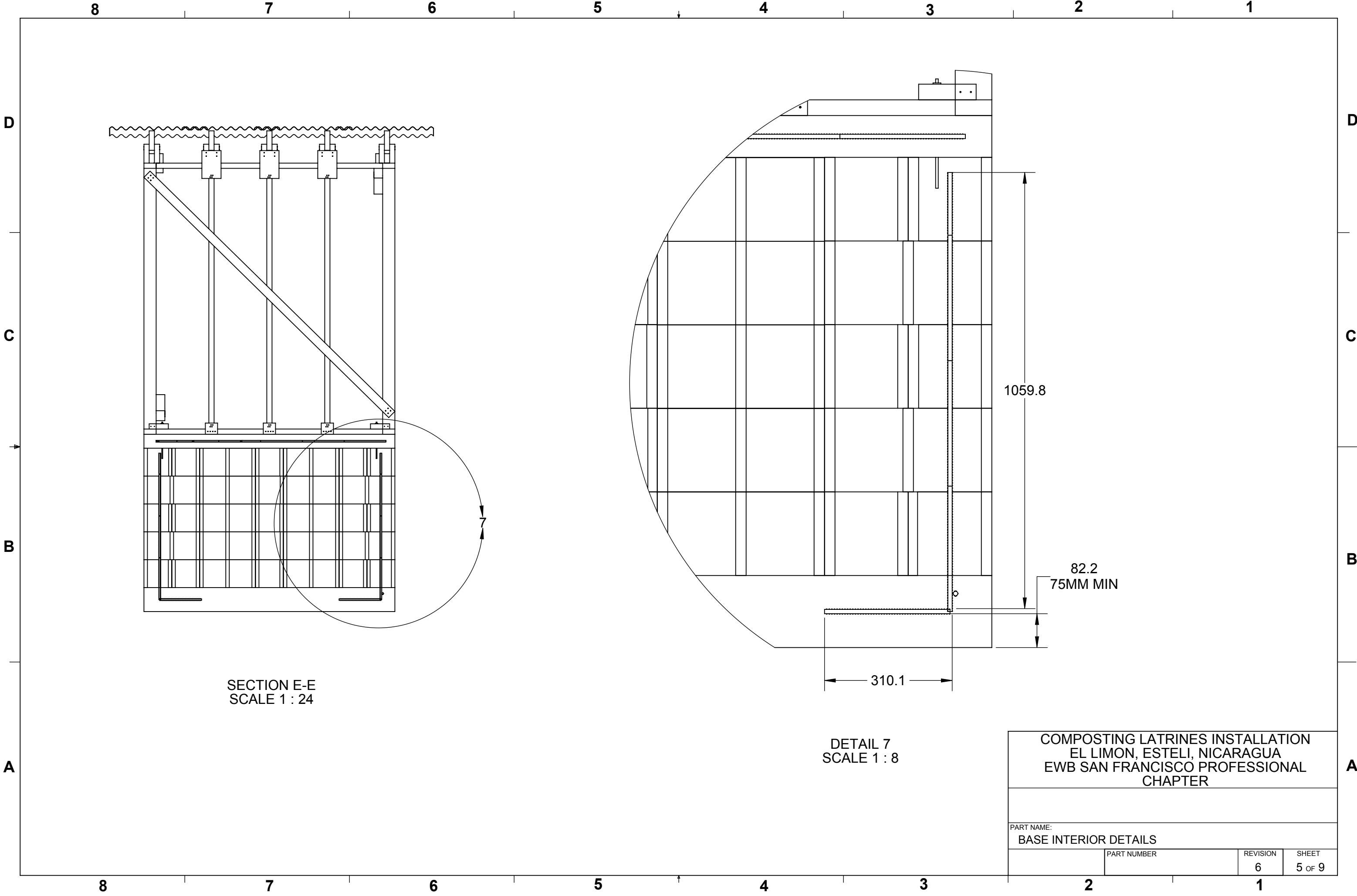
PART NUMBER

REVISION

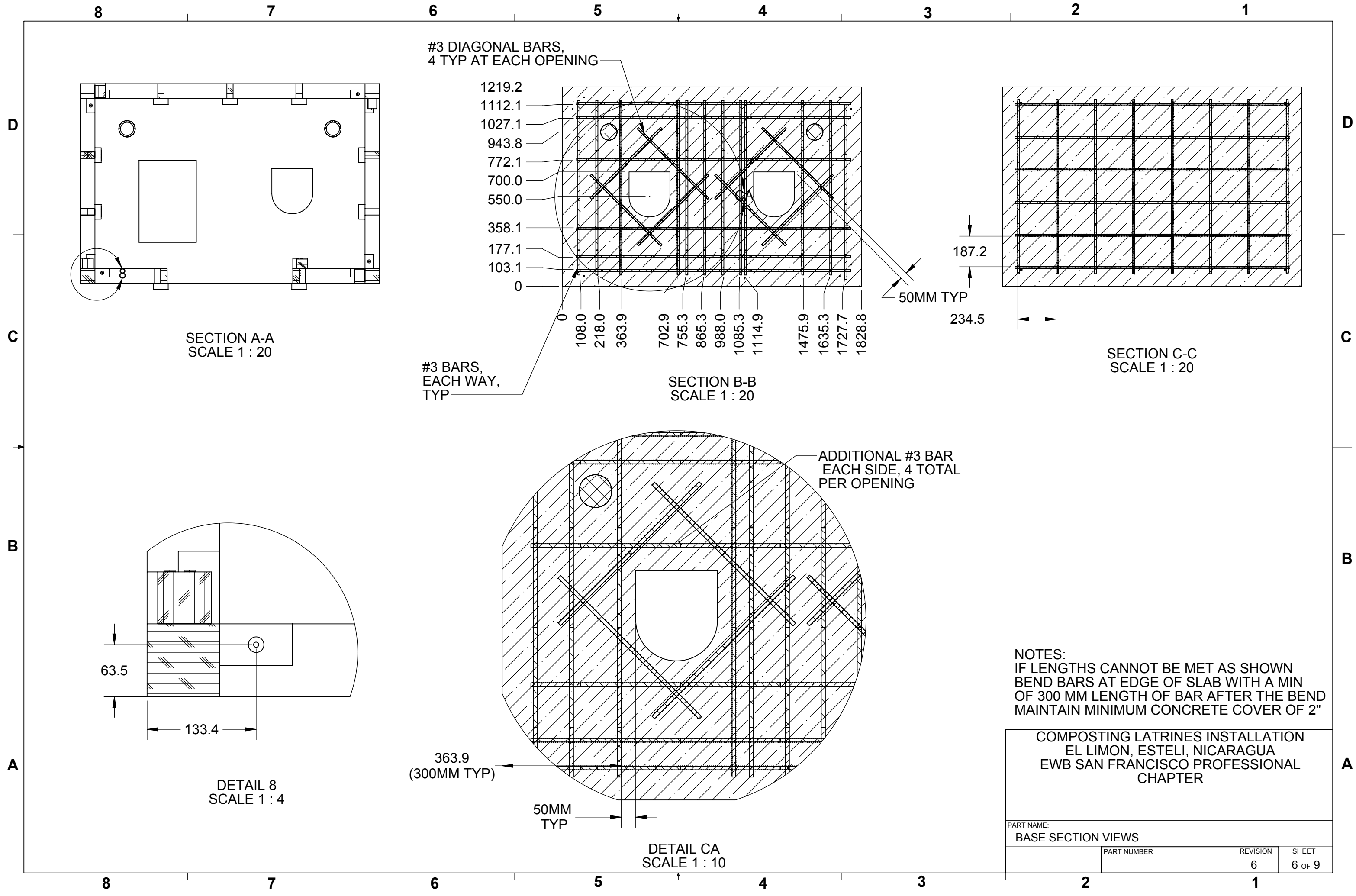
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SHEET

4 OF 9

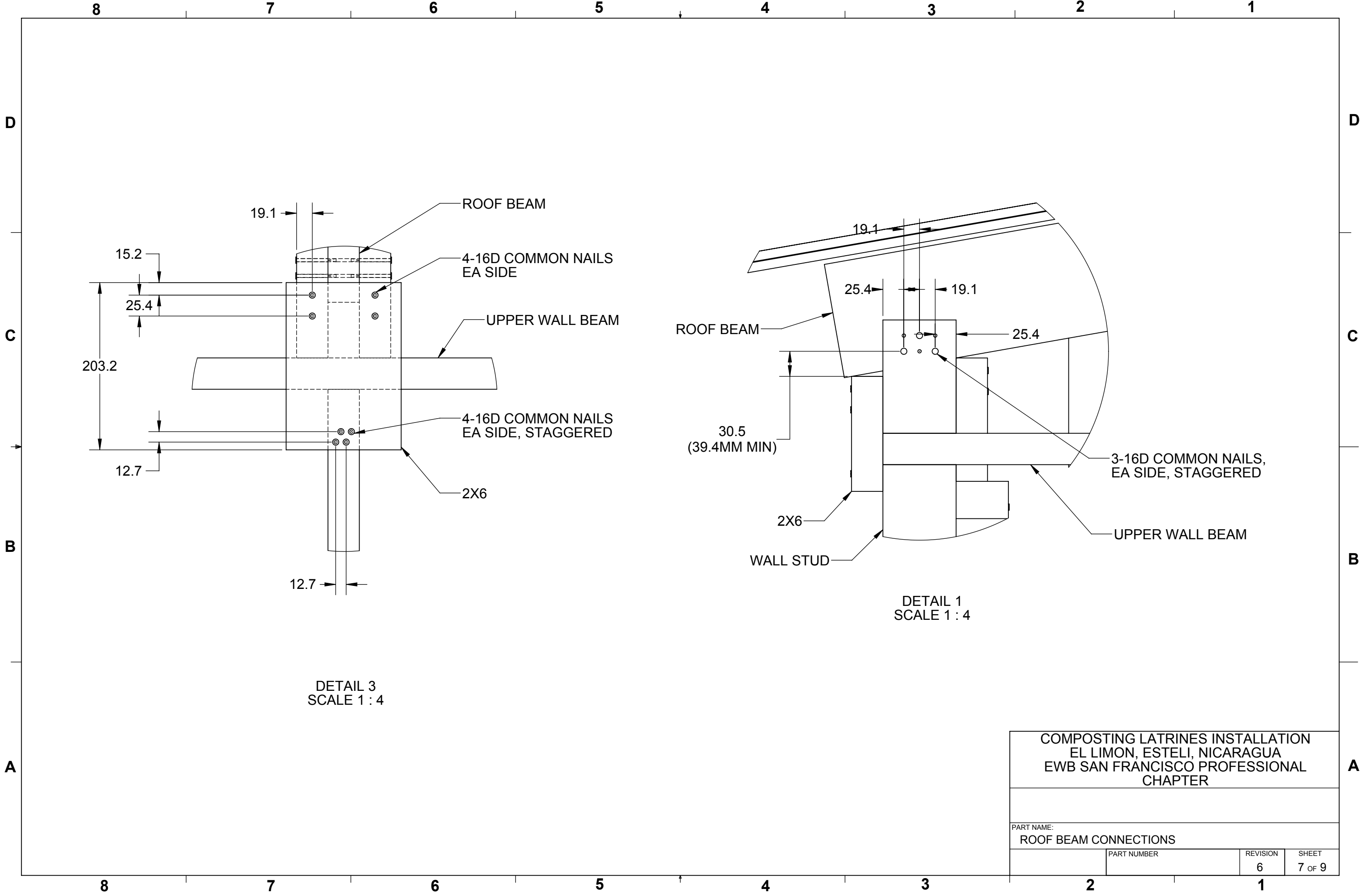


COMPOSTING LATRINES INSTALLATION EL LIMON, ESTELI, NICARAGUA EWB SAN FRANCISCO PROFESSIONAL CHAPTER			
PART NAME: BASE INTERIOR DETAILS			
	PART NUMBER	REVISION	SHEET
		6	5 OF 9

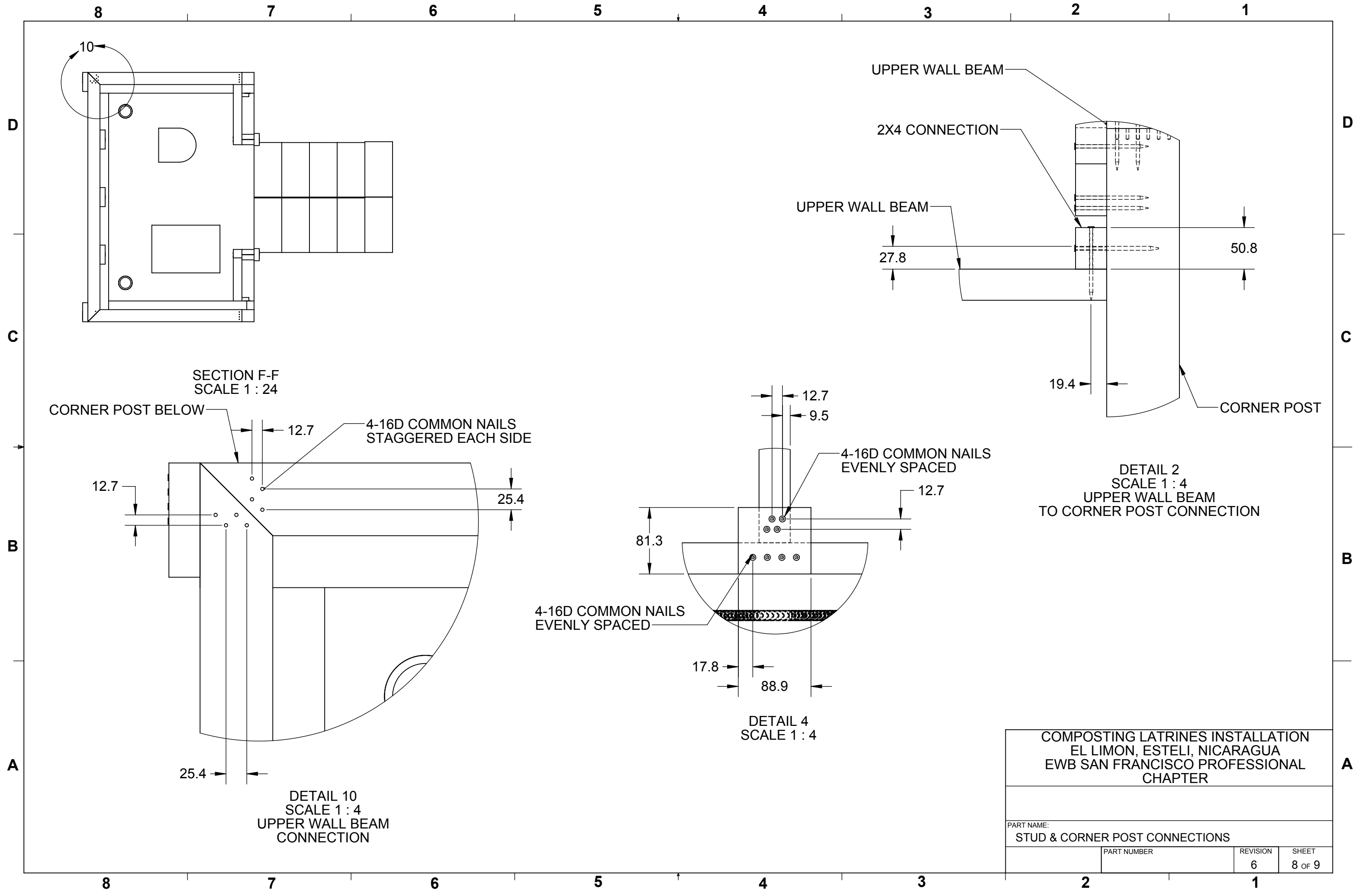


NOTES:  
IF LENGTHS CANNOT BE MET AS SHOWN  
BEND BARS AT EDGE OF SLAB WITH A MIN  
OF 300 MM LENGTH OF BAR AFTER THE BEND  
MAINTAIN MINIMUM CONCRETE COVER OF 2"

COMPOSTING LATRINES INSTALLATION EL LIMON, ESTELI, NICARAGUA EWB SAN FRANCISCO PROFESSIONAL CHAPTER			
PART NAME: BASE SECTION VIEWS			
	PART NUMBER	REVISION	SHEET
		6	6 OF 9



COMPOSTING LATRINES INSTALLATION EL LIMON, ESTELI, NICARAGUA EWB SAN FRANCISCO PROFESSIONAL CHAPTER			
PART NAME: ROOF BEAM CONNECTIONS			
PART NUMBER		REVISION 6	SHEET 7 OF 9



COMPOSTING LATRINES INSTALLATION  
EL LIMON, ESTELI, NICARAGUA  
EWB SAN FRANCISCO PROFESSIONAL  
CHAPTER

PART NAME: STUD & CORNER POST CONNECTIONS			
	PART NUMBER	REVISION	SHEET
		6	8 OF 9



D	ITEM NO.	DESCRIPTION	QTY.	C	B	A
	1	FOUNDATION-SLAB_7"-THICK	1			
	2	CMU	99			
	3	HALF CMU	12			
	4	TOP-SLAB-4"-THICK	1			
	5	5ft Rebar w/ Bend	45			
	6	HALF FOOT #4 REBAR	11			
	7	Side-Panel	2			
	8	Side-Panel	1			
9	Side-Panel	2	A			
10	16D Common Nail	164				
11	10D-COMMON-NAIL	60				
12	20D Common Nails	46				
13	SANDWICH-CONNECTING-MEMBER_2X6_203MM	5				
14	THIN-DOOR-PANEL-2X3-2000MM	1				
15	DOOR-SUPPORT-MEMBER_2X4_762MM	2				
16	DOOR-CROSS-MEMBERS_2X4_1345MM-CUT53MMFROMEDGE@60DEG-ANGLE-EACH-END-OPPOSITE-SIDES	1				
17	SURFACE MOUNT HINGE	2				
18	4" PVC TUBE - 3000MM	2				
19	VENT-LID	2				
20	ROOF PANEL	4				
21	BASE-LATERAL-MEMBER-2X4_1219MM	2				
22	BASE-BACK-MEMBER_2X4_1608MM	1				
23	BASE-FRONT-MEMBER_2X4_418MM	2				
24	FRONT-DOORWAY-MEMBER_2X4_2110MM	4				
25	TOILET-HOLE-LID	1				
26	VERTICAL-WALL-MEMBERS_2X4_1900MM	9				
27	REAR-CORNER-MEMBER_4x4_1900MM	2				
28	FRONT-CORNER-STRUCTUAL-MEMBER_4X4_2110mm	2				
29	ROOF-SANDWICH-PLATE_2x4_138MM	20				
30	TOP-REAR-CROSSMEMBER_2X4_1786MM	1				
31	TOP-SIDE-MEMBERS_2X4_1130MM	2				
32	FRONT-TOP-HORIZONTAL-MEMBER_2X4_1830MM	1				
33	SANDWICH-CONNECTING-MEMBER_2X6_203MM	5				
34	ROOF-STRUCTURAL-MEMBER_2X6_1300MM	5				
35	SIDE-ANGLED-CROSS-MEMBERS_3X3_2150MM	2				
36	REAR-ANGLED-CROSS-MEMBER_3X3_2500MM	1				
37	FRONT-ANGLED-WALL-MEMBER_3X3_1925MM	2				
38	CORNER-SANDWICH-CONNECTING-MEMBERS_2X6_140MM	4				
39	SIDE-ROOF-CONNECTING-MEMBER_2X4_50MM	2				
40	STUD-SILL-CONNECTION-PLATE_2X4_81MM	9				
41	CORNER-POST-MOUNTING-PLATE_2X4_51MM	8				
42	HEX-HEAD-ANCHOR_1/4IN_270MM	8				
43	NUT_1/2IN-ID	8				
44	DOORWAY-ROOF-CONNECTING-MEMBER_2X6_89mm	1				

COMPOSTING LATRINES INSTALLATION  
EL LIMON, ESTELI, NICARAGUA  
EWB SAN FRANCISCO PROFESSIONAL CHAPTER

PART NAME:  
STUD & CORNER POST CONNECTIONS

PART NUMBER

REVISION  
6

SHEET  
9 OF 9