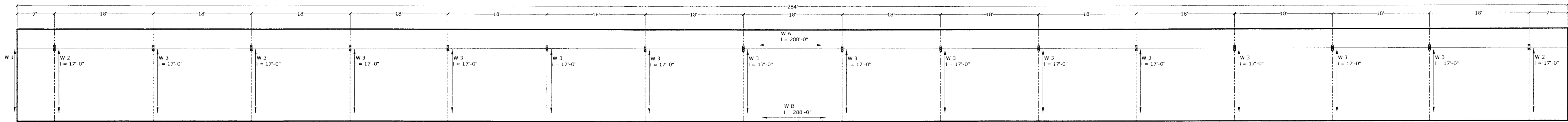
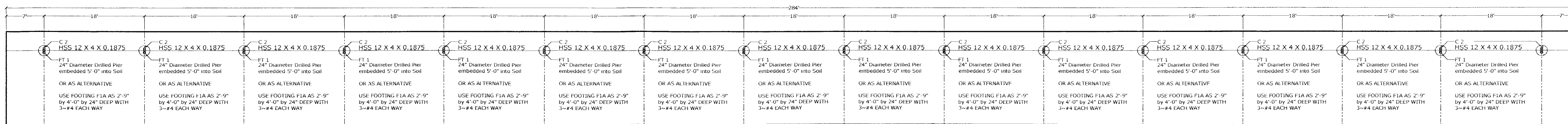


ROOF FRAMING PLAN
SCALE: 3/32 = 1'-0"

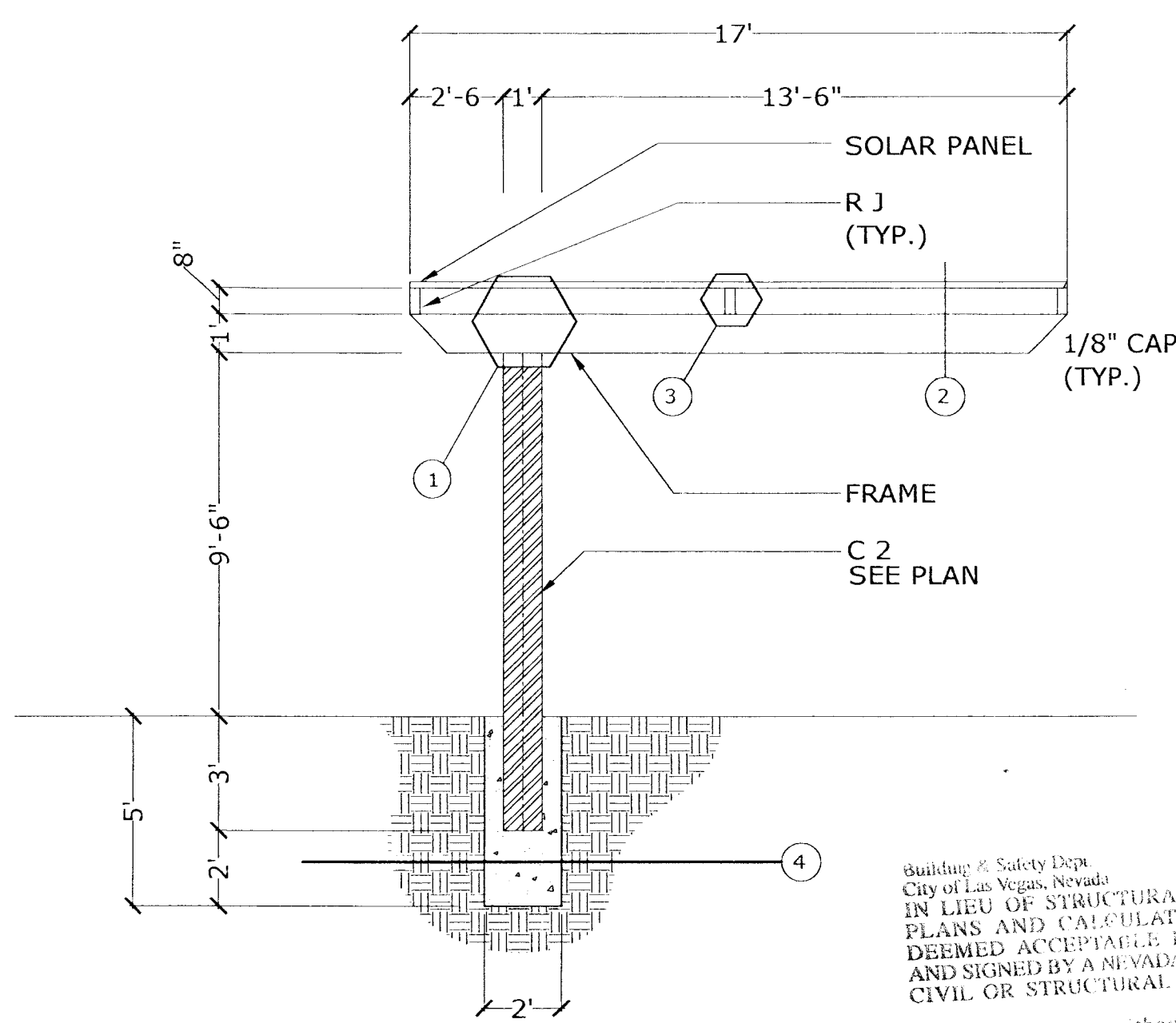


SHEARS PLAN
SCALE: 3/32 = 1'-0"



FOUNDATION PLAN
SCALE: 3/32 = 1'-0"

LOADS			
LATERAL LOADS			
DESIGN WIND	90 mph (3 sec gusts)		
	B EXPOSURE		
	I BUILDING CLASSIFICATION PER IBC		
	II BUILDING CLASSIFICATION PER ASCE 7-05		
	1.0 IMPORTANCE FACTOR		
	ENCLOSED BUILDING G _{wp} =1/0.18		
DESIGN SEISMIC	1.0 IMPORTANCE FACTOR		
	SDC D SEISMIC DESIGN CATEGORY		
ZIP 89128	51.9% S _s	S _{wp} =F _a S _e	0.72
	16.7% S ₁	S _{wp} =F _v S ₁	0.36
	1.36 F _a	S _{wp} =2/3S _{wp}	0.479
	2.13 F _v	S _{wp} =2/3S _{wp}	0.237
	R = 1.5	C _{wp} = 0.318	
	SDC D SEISMIC DESIGN CATEGORY		
	SDC D SEISMIC DESIGN CATEGORY		
	G-2 SEISMIC FORCE RESISTING SYSTEM PER ASCE 7-05 TABLE 12.2		
	INTERMEDIATE STEEL MOMENT FRAMES CANTILEVERED		
	10182 #=V DESIGN BASE SHEAR		
	DESIGNED AS A FLEXIBLE DIAPHRAGM		
WALLS			
	9.5 ft 1st Floor		
GRAVITY LOADS			
ROOF			
LIVE	MAIN	SLOPE 0.25 :12	Q _s = 0.0208 radians
DEAD		Q _{dead} = 10 psf	Q _s = 1.19 degrees
		2 psf	SOLAR COLLECTORS
		0	DECKING AND INSULATION
		2	RAFTER LOAD TOTAL
		3 psf	FRAMING
		0	CEILING
		1	MISC
		4	CEILING LOAD TOTAL
		Q _{dead} = RL tot / COS Ø + CL tot = 6 psf	
		Q _{total} = 16 psf	



DETAIL "A"
SCALE: 1/4 = 1'-0"

REVISIONS

ENGINEER
KUBOTA & ASSOCIATES ENGINEERS, LTD.
5125 WEST OQUENDO #4
LAS VEGAS NV 89118
TEL: 702.367.2800

CONTRACTOR
MDI STEEL
328 EMERALD VISTA WAY
LAS VEGAS NV 89144
TEL # 702.450.2221
LIC # 0058235

PROJECT: CITY OF LAS VEGAS WSC VEHICLE SERVICES BUILDING
ITEM #2 - 17'-0" WIDE X 284'-0" LONG WITH 16 POST

2950 RONEHUS DR.
LAS VEGAS NV 89128
PART OF APN # 138-15-201-002

SHEET TITLE: ROOF FRAMING PLAN, SHEAR PLAN & FOUNDATION PLAN
DETAILS

ENGINEER STAMP

DATE: 05-10-11
SCALE: NTS
SHEET S-1