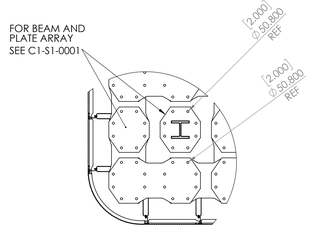
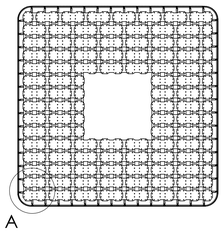
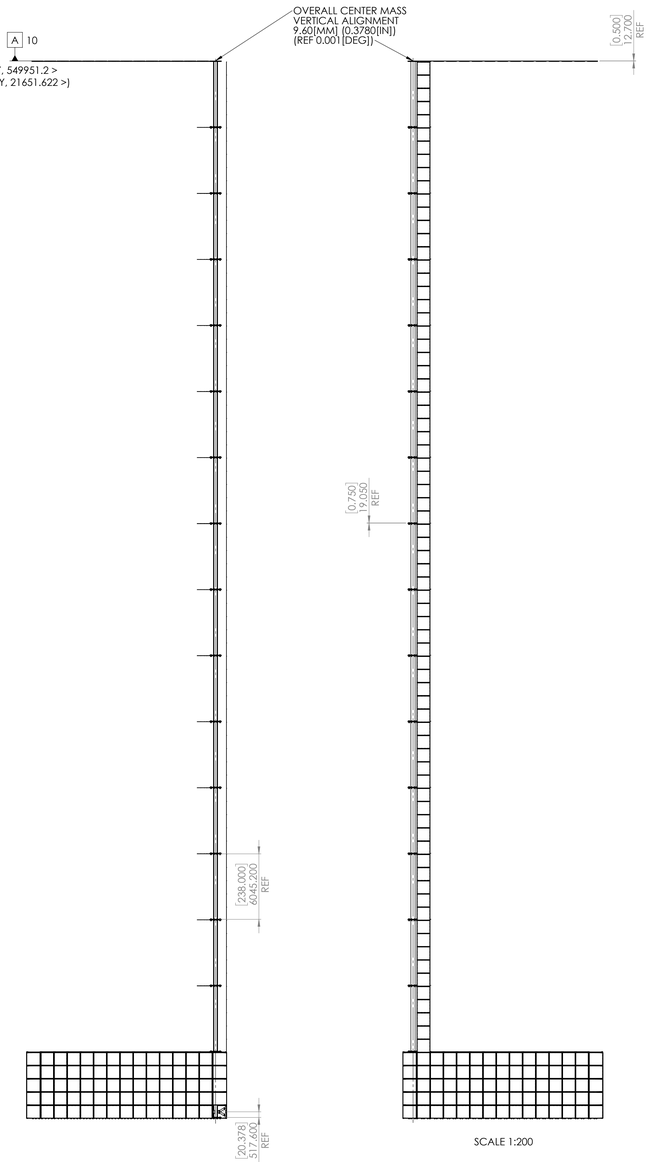
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Beam W14x193 Z10		215
2	Plate Beam w193 Z10		430
3	Bolt 1.75in-13tpi 6.5in		1720
4	Nut 1.75in-13tpi		1720
5	Washer 1.75in 0.125		3440
6	PNL 48X48X0.0625IN AL R5		335
7	RIB VERTICAL STD PNL R5		280
8	RIB HORIZONTAL STD PNL R5		260
9	PNL MOUNT BRACE TO C10 R5	0.25[IN] ONE PIECE BOX - BRACE	280
10	91236A720_2in 13tpi Zinc 5		1680
11	93286A049		3360
12	95462A033		3360
13	Shim Brace R1	A36 GALVINIZED	280
14	BrazierRivet 0.375in L-0.78		27600
15	RIB VERTICAL SHORT Arm PNL R1		260
16	PNL STD R48.2X0.0625IN		20
17	RIB HORZ Rivet R48.2X0.125IN R2		20
18	RIB HORZ RIB-F R48.2X0.125IN R2		20
19	PLATE BLANK 0.5-1.75 Z10		110
20	PLATE BLANK 0.5-1.75 EW Z10		195
21	PLATE BLANK 0.5-1.75 NS Z10		195
22	C10 to Beam Sup 1	EAST/WEST PANEL ATTACHMENT (NORTH TO SOUTH)	140
23	93673A525	18-8 Stainless Steel Headless Clevis Pin	560
24	91152A033	SPACER/WASHER ANGLED	560
25	Washer Level 0.5in C10 R1	SPACER/WASHER/ANGLED	560
26	Washer Spacer 0.5in R1	SPACER/WASHER	560
27	TS8x2x0.1875 Rec Tube 1	C10 SUPPORT	280
28	C10 to Beam Sup 1	NORTH/SOUTH PANEL ATTACHMENT (EAST TO WEST)	140
29	TS8x4x0.1875 Rec Tube 1	C10 SUPPORT	280



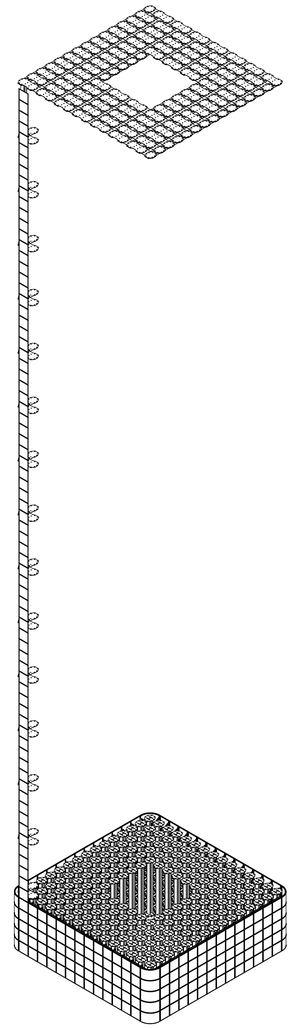
DETAIL A

SCALE 1 : 50





SCALE 1:200



NOTES)

(1) W14 BEAM ARRAY: REF C1-S1-001
  (1) BEAM CENTERLINES MATCH
  (2) BOLT HOLES ARE IN CONJUCTION WITH BOLTS
  (3) PLATE THICKNESS REDUCES WITH HEIGHT
(2) CORROSION RESISTANCE IS REQUIRED
  (1) ELECTROPLATING (EP): PREFERRED OVERALL, MINIMUM THICKNESS 25[µM] (0.001[IN])
  (2) THERMAL SPRAY : PREFERRED FOR TOUCH-UPS
  (3) ZINC PAINTS: AREAS WITH PAINT NEED TO BE LOGGED FOR MAINTENANCE
  (4) HOT DIP GALVINIZING, AVERAGE THICKNESS 85[µM] (0.0033[IN]) (WHERE EP IS NOT POSSIBLE)
(3) W14 BEAM/S ASSEMBLIES: ASTM A913 G65, GALVINIZED
(4) C10 CHANNELS: ASTM A572-50, GALVINIZED
(5) INTERCONNECTING PLATES: ASTM A913 G65, GALVINIZED
(6) BOLTS: ASTM F3125 (A490), TYPE 3, GALVINIZED
(7) STEEL PARTS AND PINS: ASTM A572 G50, GALVINIZED
(8) ALUMINUM PARTS AND PINS: ASTM B209 6061-T6 OR 7075-T6
(9) ALUMINUM PANELS AND ITS PARTS: ASTM B209 7075-T6
(10) BEAM HORIZONTAL ALIGNMENT 0.00![DEG], 0.29[MM] (0.011[IN]) OVER 16.5[M]
(11) BEAM VERTICAL ALIGNMENT 0.00![DEG], 12.9[MM] (0.507[IN]) OVER 738[M]
(12) SEE A1-0001 FOR ARCHITECTURAL REQUIRMENT/S
(13) W14 CONNECTION PLATE/S
  (1) BOLT CLEARANCE HOLES PREFERRED 6[MM] (0.25[IN]) LARGER THAN BOLT OR PIN
  (2) MATING FACES MAY HAVE THIN LAYER OF OIL APPLIED
(14) GAGES TO BE CONSTRUCTED PER TEMPERATURE SPECIFICATION (15[C] OR 59[F])
(15) BLIND RIVETS ARE NOT SHOWN, (X)3 REQUIRED PER MATING CORNER
  (1) ALUMINUM 5052-H32 (MIN STRENGTH)
  (2) TENSILE STRENGTH 2,670[N] (600[LBF])
  (3) SHEAR STRENGTH 2,000[N] (450[LBF])
(16) BEAM CENTER MASS CALCULATION METHOD (OTHER VARIATIONS POSSIBLE)
  (1) CHOOSE (X4) SIDES OF THE BASE PLATES IN QUESTION
  (2) CALCULATE THE OFFSET OF EACH SIDE
  (3) TAKE THE MEAN FOR THE VERTICAL ALIGNMENT
  (4) EACH CORNER BEAM AND THREE BEAMS BETWEEN EACH CORNER MUST BE EVALUATED
(17) A LAYER CONTAINS
  (1) 260 FLAT PANELS
  (2) 20 RADIUS PANELS
(18) SEE A1-S1-0003/4 FOR C10 AND PANEL DETAILS

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS: [MM] - [IN]]

ALL TOLERANCES:
MEASURED/GAGED AT 15[C] ([59][F])
TOLERANCES: (+/-)0.01[%]

LOCATION: FRANCE, NORMANDY, DOZULE
THE HOLY HILL: 49°13'21.29"N 0°20'08.01"W
Ex: EARTHQUAKE, CLASS x
Cx: CIVIL, CLASS x
Mx: MECHANICAL, CLASS x
Sx: STRUCTURAL, CLASS x

DEBURR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

	NAME	SIGNATURE	DATE
DRAWN			
CHK'D			
APPV'D			
MFG			
Q.A			

MATERIAL: SEE NOTES

WEIGHT:

TITLE:

CREO DESIGN

W14X193 LAYERS
DESIGN CRITERIA
BEAM ASM
PANELS/SKIN

DWG NO. A1-S1-0013

A0

SCALE:1:500

SHEET 1 OF 1