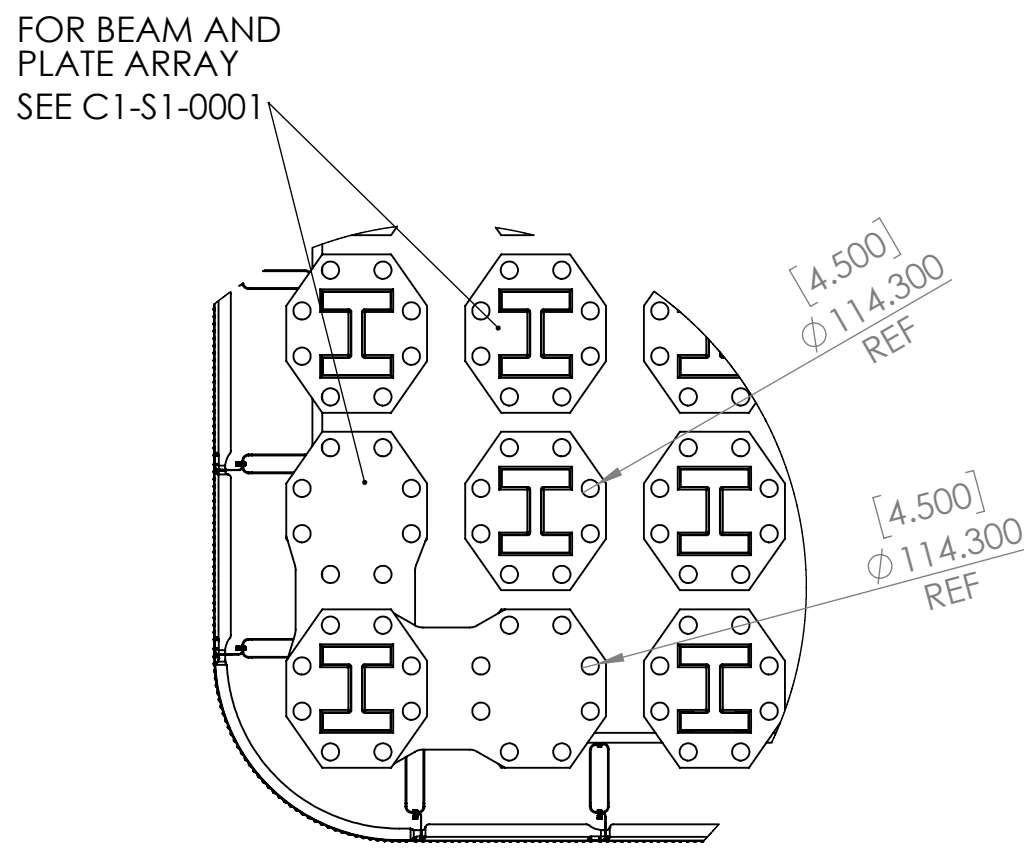
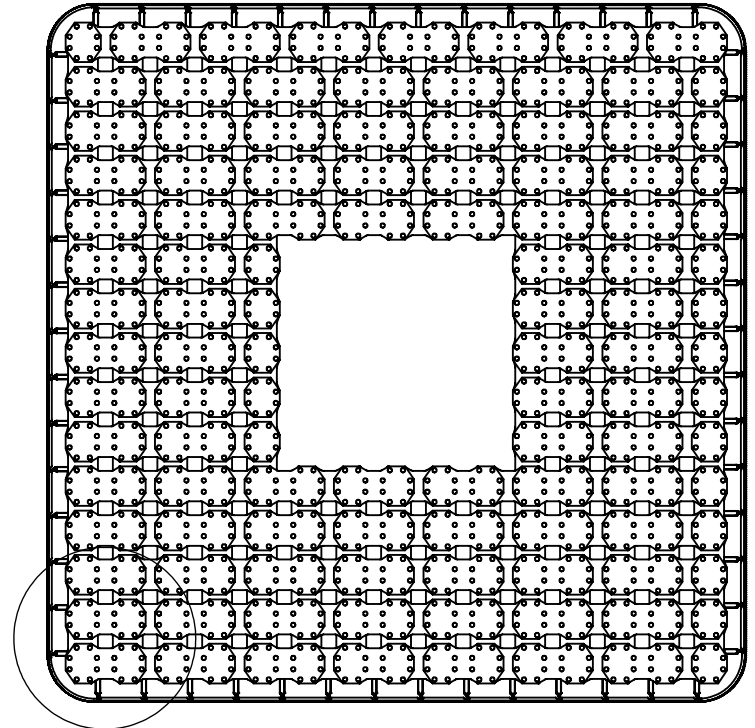


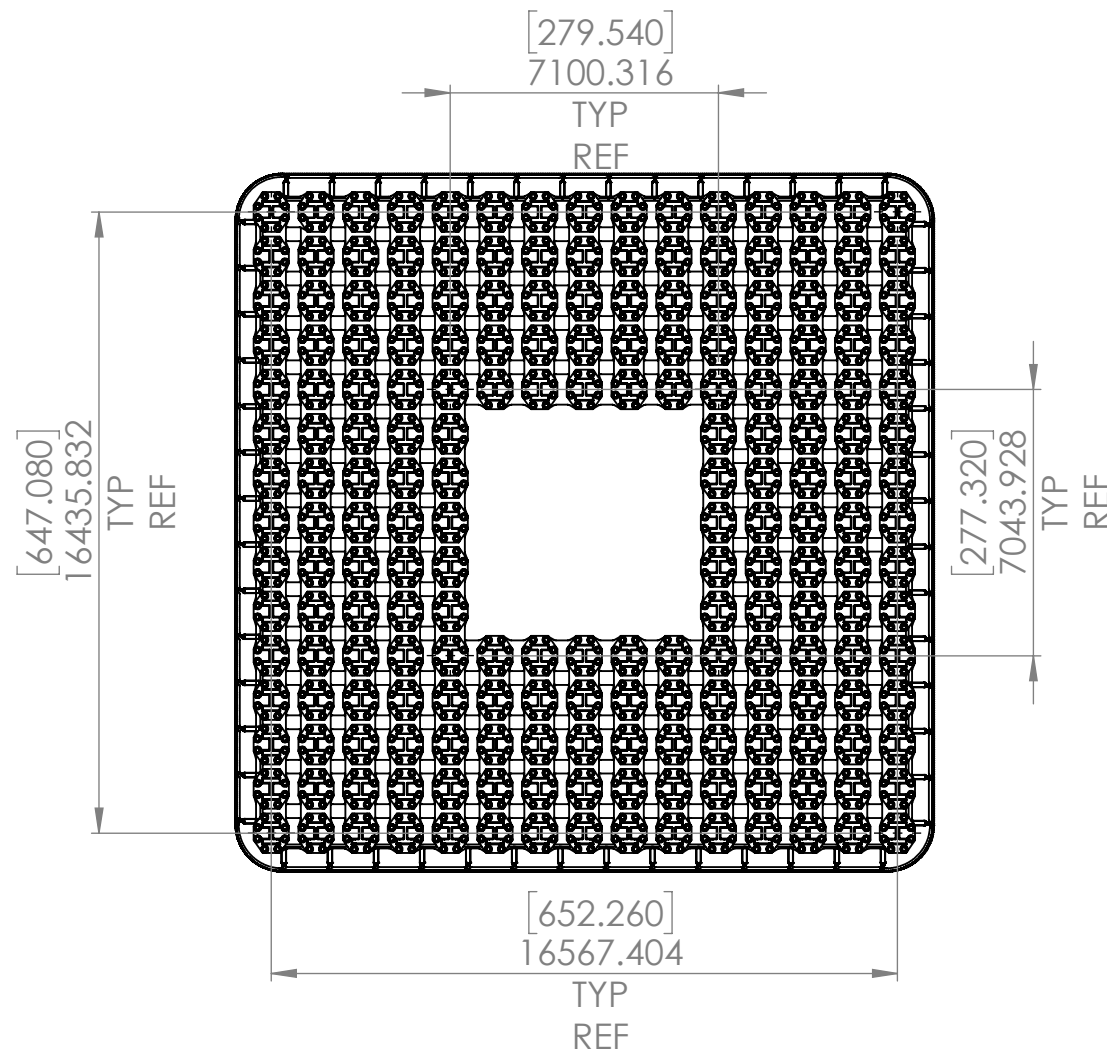
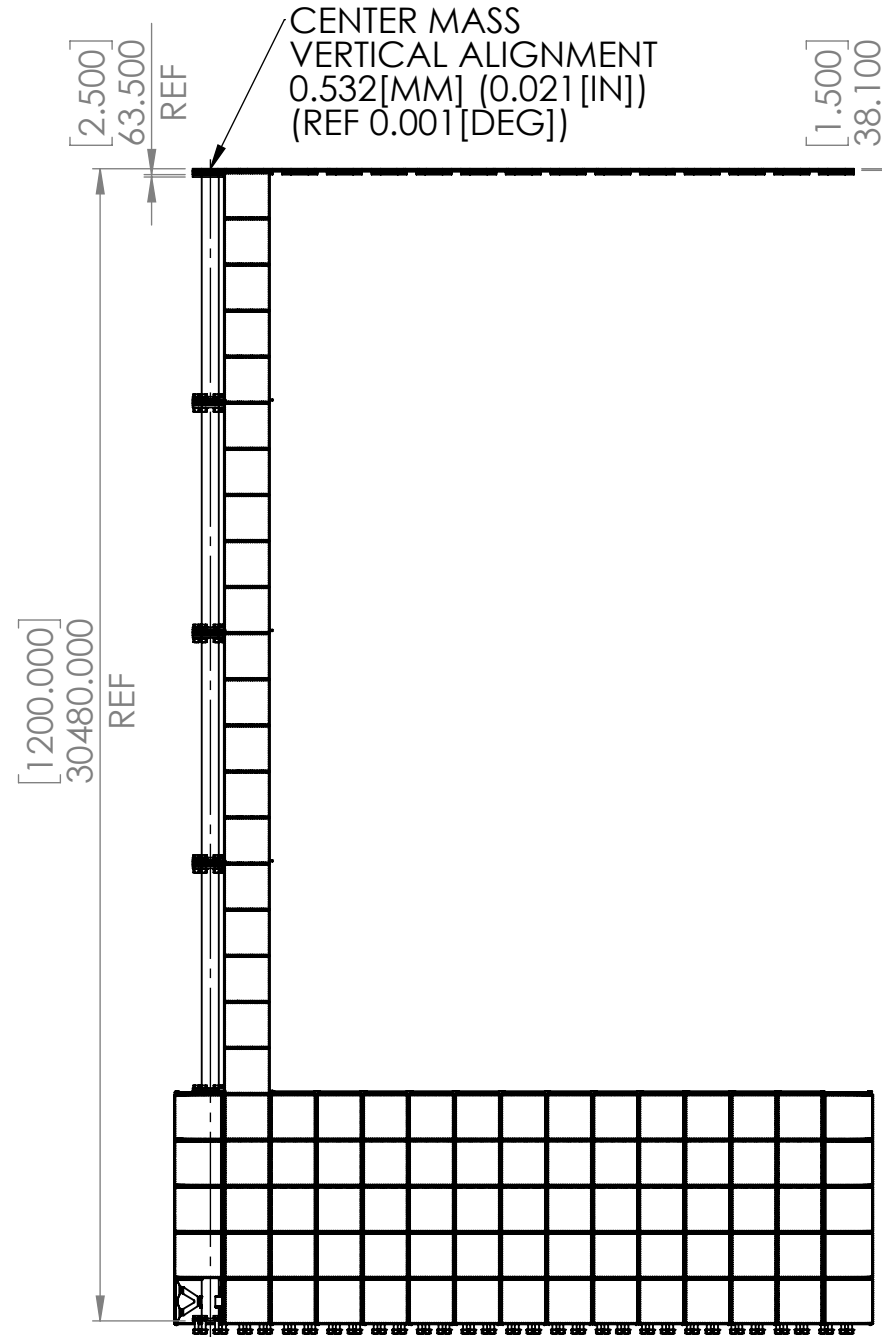
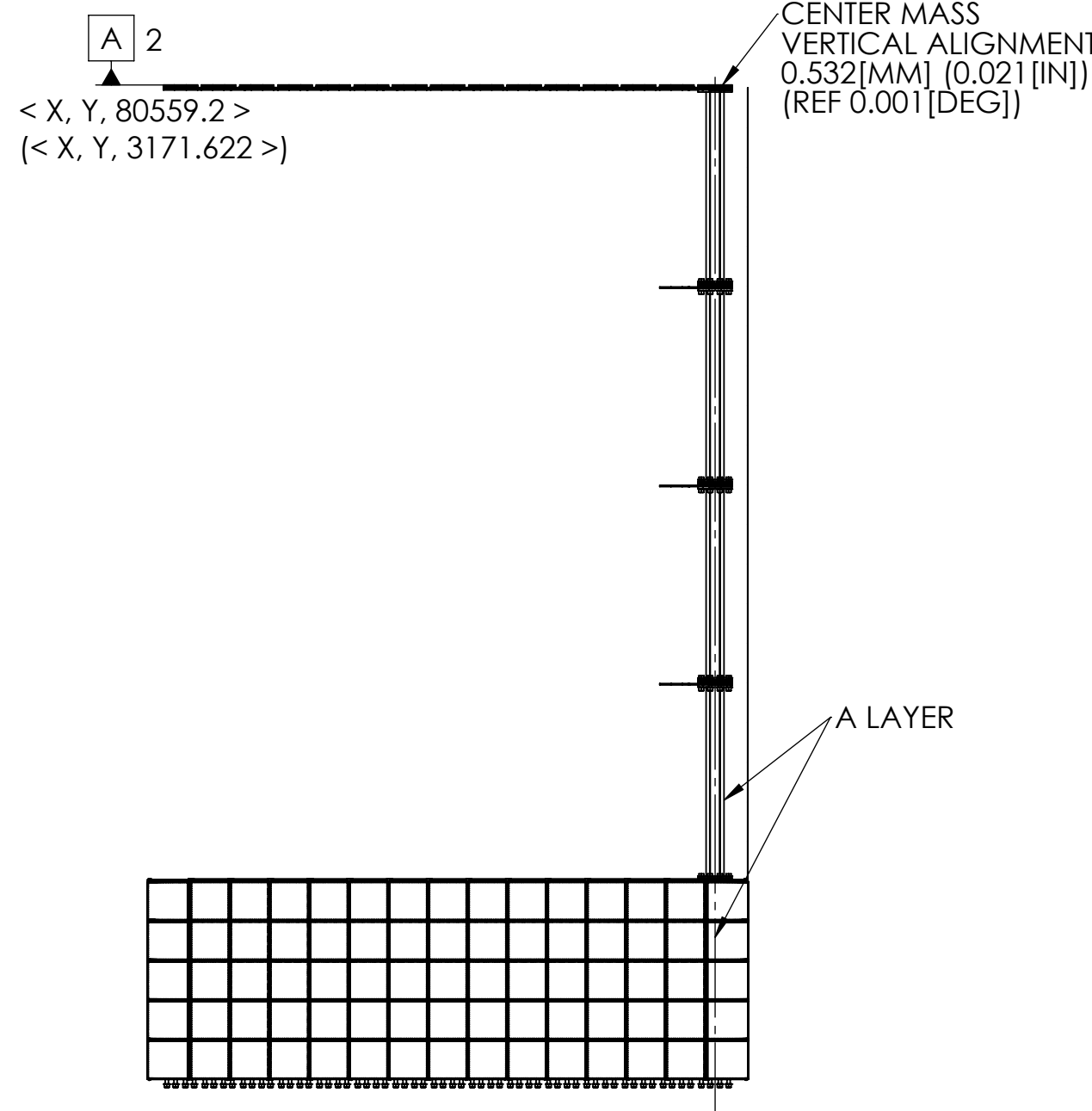
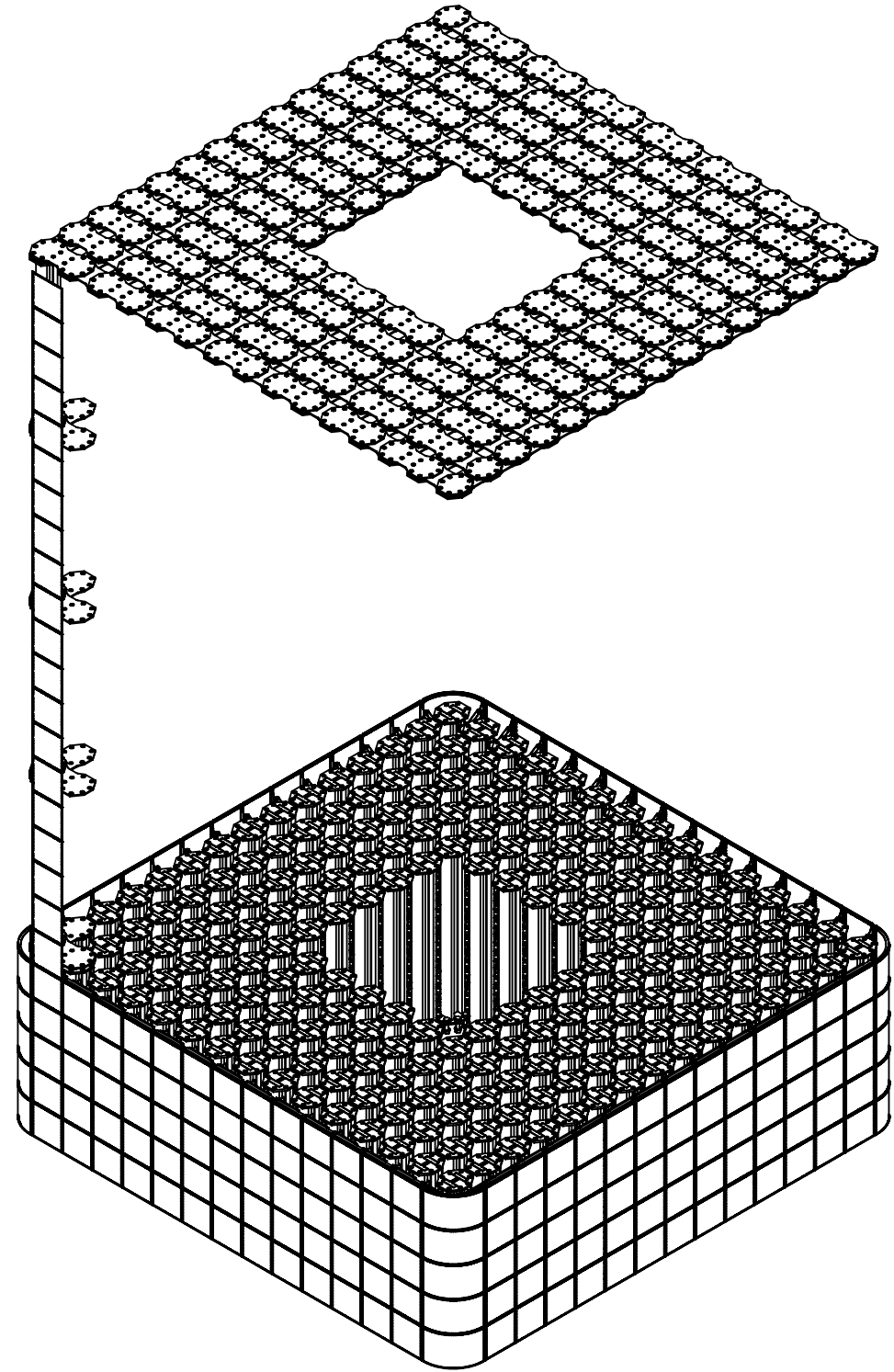
| ITEM NO. | 23                               | 22                                          | 21    |
|----------|----------------------------------|---------------------------------------------|-------|
| 1        | Beam W14x665 Z2                  |                                             | 204   |
| 2        | Plate Beam Z2                    |                                             | 408   |
| 3        | Bolt 4.0x13tpi 1.6in             |                                             | 1632  |
| 4        | Nut 4.0x13tpi                    |                                             | 1632  |
| 5        | Washer 4in 0.125                 |                                             | 3264  |
| 6        | PNL 48X48X0.0625IN AL R5         |                                             | 280   |
| 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 HORIZ Rivet R48.2X0.125IN R2 |                                             | 20    |
| 18       | RIB HORIZ RIB-F R48.2X0.125IN R2 |                                             | 20    |
| 19       | C10 to Beam Sup 1                | EAST/WEST PANEL ATTACHMENT (NORTH TO SOUTH) | 140   |
| 20       | 93673A525                        | 18-8 Stainless Steel Headless Clevis Pin    | 560   |
| 21       | 91152A033                        | SPACER/WASHER ANGLED                        | 560   |
| 22       | Washer Level 0.5in C10 R1        | SPACER/WASHER/ANGLED                        | 560   |
| 23       | Washer Spacer 0.5in R1           | SPACER/WASHER                               | 560   |
| 24       | TS8x2x0.1875 Rec Tube 1          | C10 SUPPORT                                 | 280   |
| 25       | C10 to Beam Sup 1                | NORTH/SOUTH PANEL ATTACHMENT (EAST TO WEST) | 140   |
| 26       | TS8x4x0.1875 Rec Tube 1          | C10 SUPPORT                                 | 280   |
| 27       | PLATE BEAM 1.5IN BLANK Z1 R1     | SPACER PLATE, NO TRANSITION                 | 88    |
| 28       | PLATE BEAM 1.5IN EW Z1 R1        | EAST TO WEST TRANSITION PLATE               | 184   |
| 29       | PLATE BEAM 1.5IN NS Z1 R1        | NORTH TO SOUTH TRANSITION PLATE             | 184   |



DETAIL A  
SCALE 1 : 50



A



- (NOTES)
- W14 BEAM ARRAY: REF C1-S1-001
  - BEAM CENTERLINES MATCH
  - BOLT HOLES ARE IN CONDUCTION WITH BOLTS
  - PLATE THICKNESS REDUCES WITH HEIGHT
  - CORROSION RESISTANCE IS REQUIRED
  - ELECTROPLATING (EP): PREFERRED OVERALL, MINIMUM THICKNESS 25[μM] (0.001[IN])
  - THERMAL SPRAY: PREFERRED FOR TOUCH-UPS
  - ZINC PAINTS: AREAS WITH PAINT NEED TO BE LOGGED FOR MAINTENANCE
  - HOT DIP GALVANIZING, AVERAGE THICKNESS 85[μM] (0.0033[IN]) (WHERE EP IS NOT POSSIBLE)
  - W14 BEAMS ASSEMBLIES: ASTM A913 G65, GALVINIZED
  - C10 CHANNELS: ASTM A372-50, GALVINIZED
  - INTERCONNECTING PLATES: ASTM A913 G65, GALVINIZED
  - BOLTS: ASTM F3125 (A490), TYPE 3, GALVINIZED
  - STEEL PARTS AND PINS: ASTM A572 G50, GALVINIZED
  - ALUMINUM PARTS AND PINS: ASTM B209 6061-T6 OR 7075-T6
  - ALUMINUM PANELS AND ITS PARTS: ASTM B209 7075-T6
  - BEAM HORIZONTAL ALIGNMENT 0.001[DEG], 0.20[MM] (0.01[IN]) OVER 16.5[M]
  - BEAM VERTICAL ALIGNMENT 0.001[DEG], 12.9[MM] (0.507[IN]) OVER 738[M]
  - SEE A1-0001 FOR ARCHITECTURAL REQUIREMENTS
  - W14 CONNECTION PLATES
    - BOLT CLEARANCE: HOLES PREFERRED 4[MM] (0.25[IN]) LARGER THAN BOLT OR PIN
    - MATING FACES MAY HAVE THIN LAYER OF OIL APPLIED
  - GAGES TO BE CONSTRUCTED PER TEMPERATURE SPECIFICATION (15[C] OR 59[F])
  - BLIND RIVETS ARE NOT SHOWN, 1X3 REQUIRED PER MATING CORNER
    - ALUMINUM 5052-H32 (MIN STRENGTH)
    - TENSILE STRENGTH 2.670[N] (600[LBF])
    - SHEAR STRENGTH 2.000[N] (450[LBF])
  - BEAM CENTER MASS CALCULATION METHOD (OTHER VARIATIONS POSSIBLE)
    - CHOOSE (X4) SIDES OF THE BASE PLATES IN QUESTION
    - CALCULATE THE OFFSET OF EACH SIDE
    - TAKE THE MEAN FOR THE VERTICAL ALIGNMENT
    - EACH CORNER BEAM AND THREE BEAMS BETWEEN EACH CORNER MUST BE EVALUATED
  - A LAYER CONTAINS
    - 280 FLAT PANELS
    - 20 RADIUS PANELS
  - SEE A1-S1-0003.4 FOR C10 AND PANEL DETAILS

|                            |  |                                     |  |            |  |
|----------------------------|--|-------------------------------------|--|------------|--|
| DESIGN COVERAGE PROVIDED   |  | LOCATION: FRANCE, BERNARDINO, DESIG |  | DESIGN AND |  |
| DIMENSIONS: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| ALL TOLERANCES             |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| UNLESS OTHERWISE SPECIFIED |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  | REVISION: (MM) - (IN)               |  | DESIGN AND |  |
| TOLERANCES: (MM) - (IN)    |  |                                     |  |            |  |