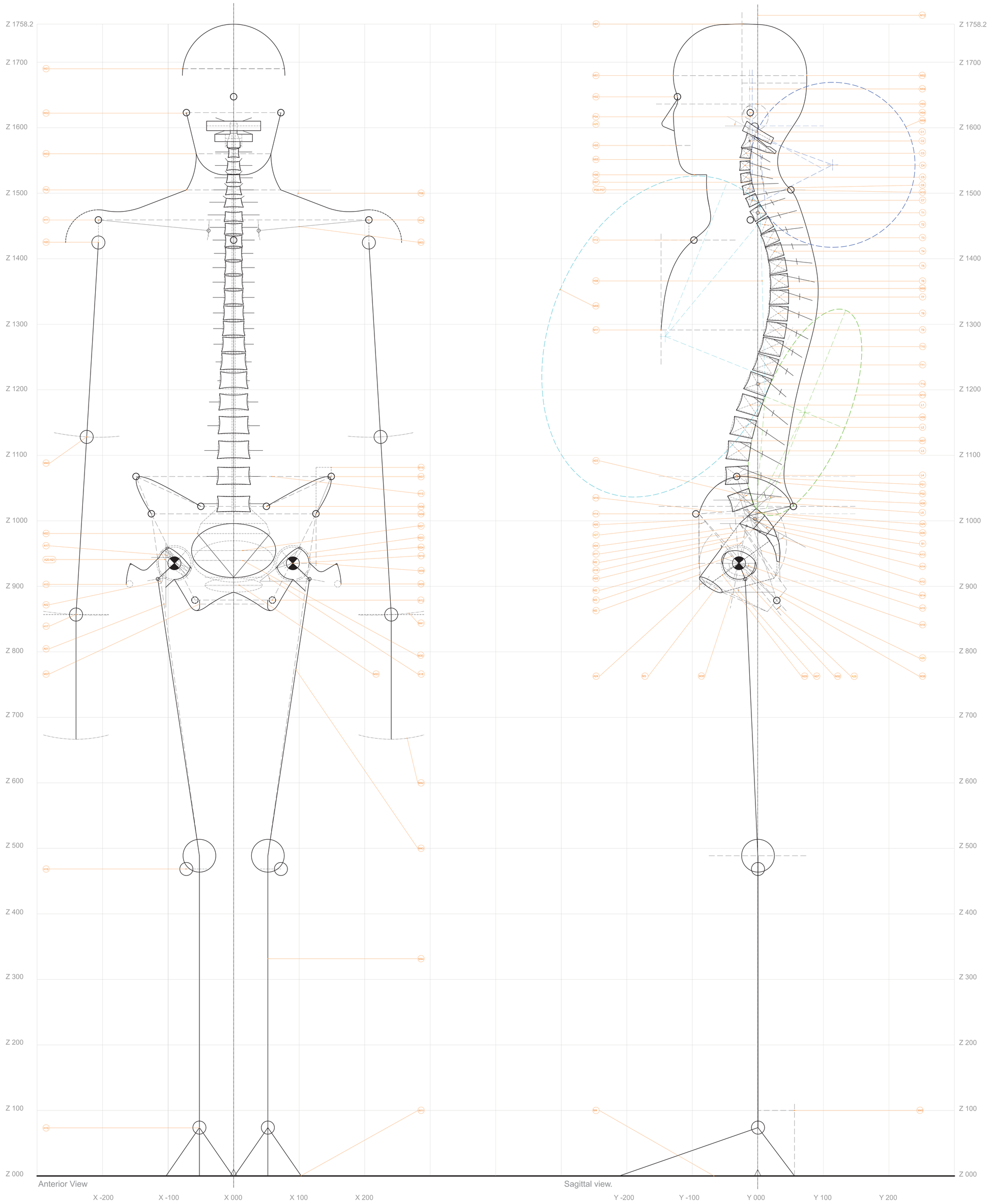

Key to Anatomical Reference Numbers

Ref. No.	Anatomical description
C*n*	Cervical vertebrae (C1-C7)
	Ref tables 1 and 4 for detailed data
T*n*	Thoracic vertebrae (T1-T12)
	Ref tables 2 and 4 for detailed data
L*n*	Lumbar vertebrae (L1-L5)
	Ref tables 3 and 4 for detailed data
A-01	Q Angle
A-02	Femur neck inclination
A-03	Posterior Tangent angles of L5-S1
A-04	Pelvic tilt
A-05	Fergusson's angle
A-06	Lumbo sacral angle
A-07	Pelvic outlet angle
A-08	L5-S1 endplate angle
A-09	Greater sciatic notch angle
A-10	Sacral instance
A-11	Sacral angle
A-12	Sacral-coccygeal angle
A-13	S1 superior angle
A-14	S2 inferior angle
A-15	Sacral lodrosis
A-16	HJC anterior inclination
A-17	CE angle
A-18	Sharp angle
A-19	Mean acetabulum margin- lateral
A-20	Acetabulum abduction
A-21	Acetabulum anterversion
A-22	Arcurete line
A-23	Sub-pubic arch angle
A-24	Pubis angle superior to inferior ramus
A25	Atlas angle to horizantal
A26	Femur neck anterversion
A27	Ischia-ASIS-vertical
A28	HJC-ASIS-Ischia angle
A29	Sacral inclination
H-01	Stature
H-02	Top of nasal ridge to mandible
H-03	EAM to crown
H-04	Tragion height, standing
H-05	Mouth to crown
H-06	Head height (mandible to crown)
H-07	C/S H -C1ps to T1pi (H:L)
H-08	T/S H -T1pi to T12ps (H:L)
H-09	L/S H -T12pi to S1ps (H:L)
H-10	Height of C7, standing
H-11	AC height, standing
H-12	Manubrium from crown
H-13	Iliac spinal crest height
H-14	ASIS height, standing
H-15	Height of greater trochanter
H-16	Pubic tubercle height
H-17	Height of styloid process (ulna)
H-18	Lateral condyle (tibia)
H-19	Ankle joint height (% of H01)
H-20	Distance from AC to SJC (% of M40)
M-01	Head length (glabella to occiput)
M-02	EAM to occiput
M-03	Clavicle length - 40.7% of AC-AC
M-04	C7ip- C2sp translation
M-05	C/S L -C1ps to T1pi
M-06	T/S L -T1pi to T12ps
M-07	L/S L -T12pi to S1ps
M-08	C/S radial profile
M-09	T/S eliptical profile ratio
M-10	L/S eliptical model ratio
M-11	Chest depth, manubrium to spine
M-12	Spine sagittal balance
M-13	Pelvic height oblique
M-14	Pelvic height orthographic
M-15	ASIS-PSIS oblique length
M-16	ASIS-PSIS orthographic length
M-17	Sciatic notch width
M-18	Sciatic notch depth
M-19	HJC as a ratio of ASIS Width
M-20	ASIS to pubic ramus
M-21	HJC as a ratio of M20
M-22	Sacral index
M-23	Acetabulum diameter
M-24	Femoral head diameter (% of M23)
M-25	HJC vertical as a ratio of W08
M-26	Pelvic inlet- AP diameter
M-27	Pelvic inlet- transverse diameter
M-28	Pelvic inlet- oblique diameter
M-29	Lesser pelvis- AP diameter
M-30	Lesser pelvis- transverse Diameter
M-31	Lesser pelvis- oblique diameter
M-32	Pelvic outlet- AP diameter
M-33	Pelvic outlet - transverse diameter
M-34	Pelvic outlet - oblique diameter
M-35	True pelvis height
M-36	Pubis height
M-37	Inner edges of ischia width
M-38	Ischia length
M-39	Ischial length
M-40	Length of humerus from AC
M-41	Styloid process from AC
M-42	Hand length
M-43	Thigh length (of H01)
M-44	Shank length (of H01)
M-45	Ankle joint to heel
M-46	Foot length
P-01	Supracristal plane
P-02	Tuffiers line
P-03	PSIS location level
P-04	EAM sagittal alignment
P05	Neck width - level at C7
P06	Neck circumference at C7
P07	Neck depth (using approx ellipse profile)
P08	Shoulder angle from AC to neck
P09	Crown to tip of nose
P10	Occiput to tip of nose
P11	Nose height- sellion to septum
P12	Face length from chin to sellion
P13	Scapula skin fold thickness
P14	Iliac spine skin fold thickness
W-01	Head breadth (at parietal eminence)
W-02	Head breadth (at EAM)
W-03	Width of jaw (at angle of jaw)
W-04	Biacromial width
W-05	Hip breadth greater trochanter
W-06	PSIS interspinous width
W-07	Intercristal width
W-08	ASIS interspinous width
W-09	HJC / ASIS width medially
W-10	Transverse hips width (from W09)
W-11	Foot width
W-12	Ischia width (centre to centre)

Fig. S1 Skeletal Joe: A technical drawing (scale 1:1) of normative skeletal anthropometrics in illustrating the anterior and sagittal views. Z-up, Y-backwards, Right Hand coordinate system, in 3rd angle projection.

Drg. 1 of 1

All dimensions in millimetres (mm)

Tol. = ± 0.1mm and ± 0.1°