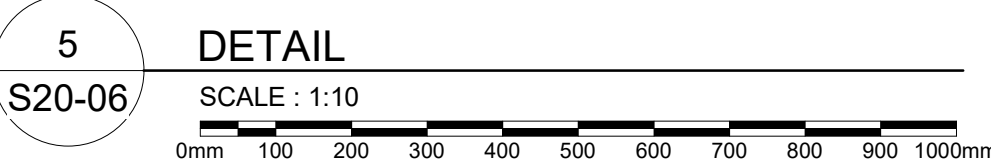
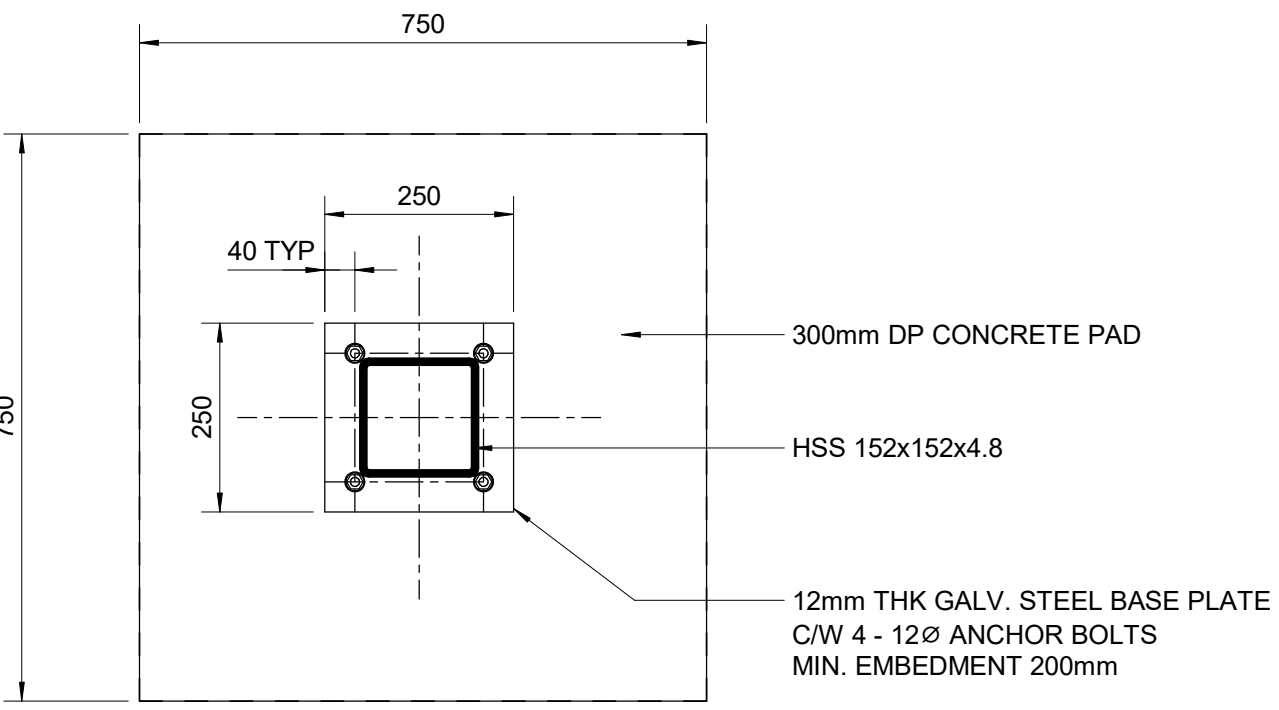


ROOF FRAMING PLAN

- FINISHED ROOF IS AT 20.038 m ABOVE GROUND FLOOR LEVEL DATUM 0.0 m.
- TOP OF STEEL BEAM 38mm BELOW ROUGH ROOF UNLESS NOTED
THUS $\frac{XX}{XX}$
- LIVE LOAD:
SNOW LOAD 2.75 kPa
EXCEPT AS CROSSED AND NOTED, OR INDICATED BY SNOW LOADING
DIAGRAMS.
- SUPERIMPOSED DEAD LOADS ARE:
MECHANICAL AND ELECTRICAL 0.35 kPa
CEILING 0.1 kPa
ROOFING 0.1 kPa
BALLAST 0.45 kPa
EXCEPT AS CROSSED AND NOTED
- DENOTES FULL MOMENT CONNECTION UNLESS OTHERWISE NOTED.
- "W" FOR "Ws" INDICATE SUPERIMPOSED DEAD AND LIVE/SNOW LOADS
ACTING ON THE SLAB. "W" VALUES EXCLUDE WEIGHT OF STEEL FRAMING
DECK.
- STEEL DECK IS DESIGNED TO ACT AS DIAPHRAGM. FASTEN TO RESIST
FACTORED FORCE SHOWN ON DRAWING S10-01.
- CONFIRM LOCATIONS OF ALL OPENINGS BEFORE PREPARATION OF SHOP
DRAWINGS.
- FOR FRAMING REINFORCEMENT AT OPENINGS THROUGH ROOF, REFER TO
TYPICAL DETAILS.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR
REQUIREMENTS FOR SPRAY FIREPROOFING OR OTHER MEASURES TO
ACHIEVE REQUIRED FIRE RATING.
- REFER TO ARCHITECTURAL MECHANICAL AND ELECTRICAL DRAWINGS FOR
LOCATION AND SIZE OF DEPRESSIONS, HOUSEKEEPING PADS, TRENCHES,
ETC.
- DESIGN ALL BEAM CONNECTIONS FOR THE FACTORED VERTICAL SHEAR
FORCE NOTED ON PLAN WHERE NO FORCE IS INDICATED DESIGN THE
CONNECTION FOR A VERTICAL SHEAR FORCE OF 75 kN. IN ADDITION, A
MINIMUM OF TWO BOLTS ARE TO BE USED TO IN ALL BEAM CONNECTIONS.
- FORCES SHOWN AS CI AND TI ARE FACTORED AXIAL TENSILE AND
COMPRESSIVE FORCES IN kN. FORCES SHOWN AS MI AND VI ARE FACTORED
MOMENT AND SHEAR FORCES IN kN-m UNITS.

CHILLER PLATFORM NOTES

- IF DIMENSIONS OF NEW CHILLER PERMITS PLACING THE CHILLER ON EXISTING
CHILLER FRAMING, PROVIDE THE FOLLOWING INFORMATION TO
DEPARTMENTAL REPRESENTATIVE TO VERIFY ITS STRUCTURAL CAPACITY.
a. CENTER TO CENTER SPACING OF EXISTING SUPPORT IN BOTH DIRECTIONS.
b. SIZE OF BEAMS ON TOP OF SUPPORT.
- IF NEW CHILLER DOES NOT FIT ON EXISTING FRAMING OR EXISTING FRAMING
CAPACITY IS FOUND TO BE INADEQUATE, DISMANTLE AND REMOVE EXISTING
FRAMING.
- INSTALL NEW FRAMING AS SHOWN.
- VERIFY AND COORDINATE ALL DIMENSIONS AND LOCATION WITH MECHANICAL
DRAWINGS. DIMENSIONS SHOWN ARE APPROXIMATE.
- ALL STRUCTURAL STEEL INCLUDING BASE PLATE AND ANCHOR BOLTS TO BE
HOT DIPPED GALVANIZED.
- CONNECT HSS 127x76 TO HSS STEEL POST WITH THE FOLLOWING
CONNECTION FORCES $V_f = 20$ kN, $M_f = 20$ kN-m WHERE SYMBOL ► IS SHOWN.
- CONNECT STEEL BRACE FOR CONNECTION FORCES $C_f = T_f = 50$ kN.
- V_f AND M_f ARE FACTORED SHEAR AND MOMENT FORCES. C_f AND T_f ARE
FACTORED AXIAL COMPRESSION AND TENSION FORCES.



MECHANICAL FLOOR FRAMING PLAN

- REMOVE EXISTING FLOOR FINISH BEFORE PLACING
OVERLAY.
- DEPTH OF OVERLAY SHALL NOT EXCEED 13 MM
ANYWHERE ON FLOOR.

