



NYKA STEEL INDUSTRIES LLP

FORMWORK

1. Wall form

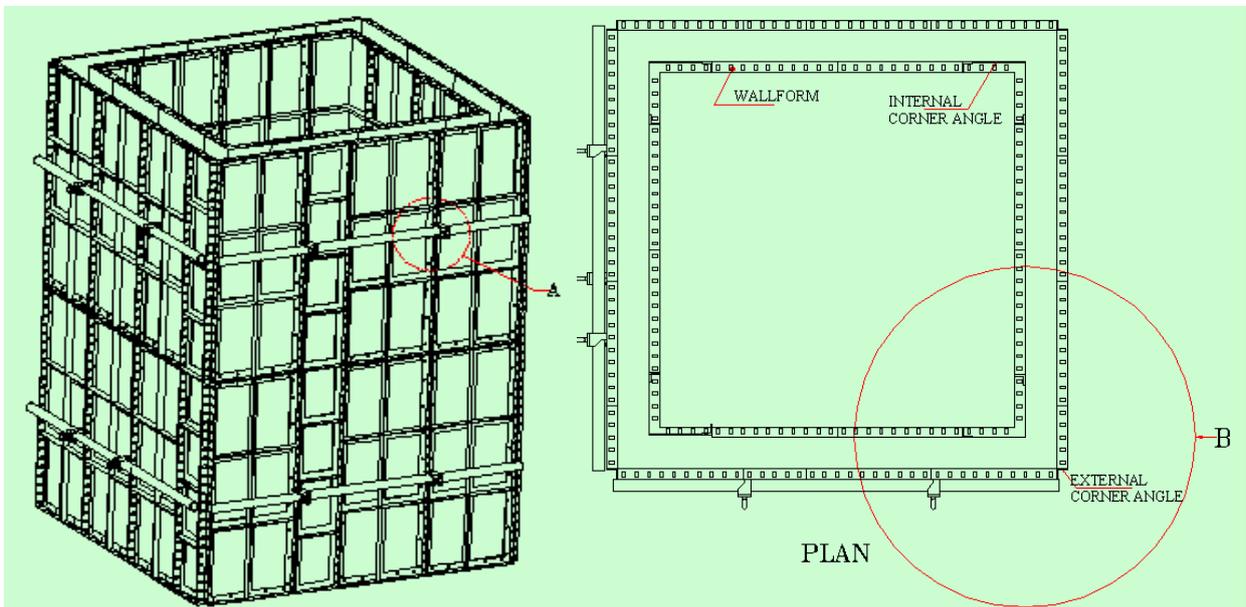


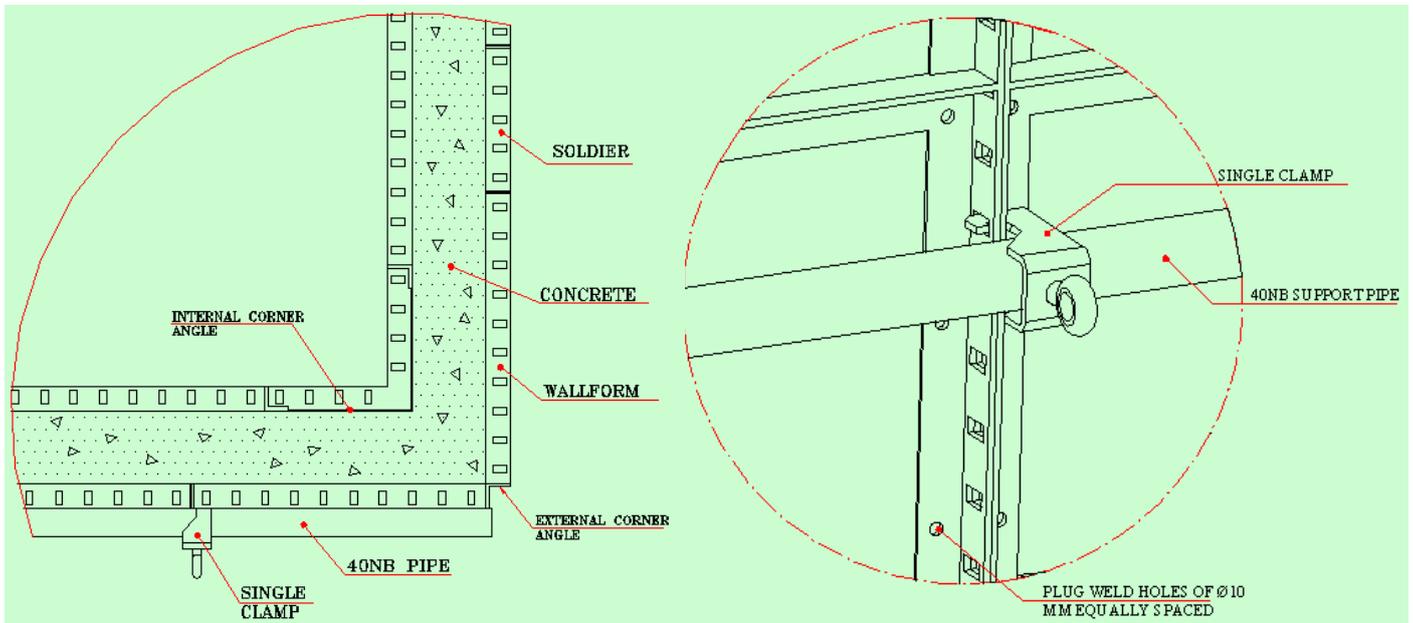
Wall form arrangements & components



Standard Wall Form

This is usually tailor made and is used for casting floor slabs, beams and walls. It is easy to assemble and disassemble and also has excellent concrete quality. As it is a large steel panel, the sub material costs can be reduced. This structure functions well and reduces risk of damages and loss of materials. Due to its large steel form, separate lifting tool is required for moving and installing it.





Typical Wall Form Arrangement

Typical wall form arrangement using, Internal corner angles, External corner angles, Soldiers, Tube clips & 40 NB pipes.

2. Floor forms

These are manufactured out of 2mm sheets with pressed flanges and stiffeners that maintain edges even after considerable number of uses. These forms are frequently used in the construction work of bridges and industrial complexes.



3. Soldiers

Steel panels use to connect adjacent steel wall forms to each other, usually the height of the soldiers is one & a half times the height of the wall forms.



4. Adjustable Telescopic Spans

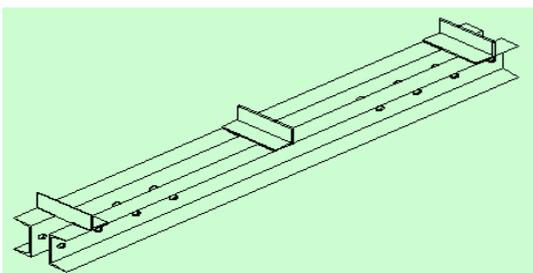
The most versatile and widely used system to support slab form work. The span length is adjusted to the required length and both the ends are supported by means of adjustable props/verticals and the space between these spans can be filled by using steel or ply forms to cast the slab. The spans are manufactured in various lengths. Maximum bending moment is 1040 kg.m, maximum total load is 2700 kg and factor of safety is 2:1.



Size	Range (Minimum meters)	Range (Maximum Meters)
ESO +ESI	1.75	2.70
SO+ESI	2.40	3.45
SO+SI	2.46	4.15
SO+L1	3.05	4.75
LO – SI	3.15	4.90
LO-L1	3.15	5.50

5. Steel Walers

Are useful in holding the form work in place. These are made out of 'C channels held together by welding angles as shown in the diagram the length can be increased by using splice plates.



The girder is a central component for slab and wall formwork systems and choosing the right one is crucial in achieving the highest possible level of cost-effectiveness. The decisive factors are the durability and handling costs-not the original investment.



6. Adjustable Column Clamps

Ideally suited for a wide range of column sizes and are usable with both steel and timber shuttering. These clamps have no loose parts. Further interchangeability of arms of different sizes of column clamps makes them extremely versatile.



Range (Minimum meters)	Range (Maximum Meters)
300	765
450	1070
650	1370

7. Wheel Barrow

Mainly used in construction site to carry materials from one place to other, where the terrain may not always be plain.



8. Shuttering Clamp

Widely Used in Construction to secure timber runners at fixed dimensions



9. Decking Beams

It is a supportive part that holds the weight of decking materials that is placed on the deck. The decking beam is supported on both the ends by adjustable props/ standard verticals. These beams are made of 2mm/2.5mm steel sheets bent into a box type and reinforced with lattice, made of steel rods. These come in various lengths to suit your requirements.



10. Infill Beams

This is a secondary element placed at right angle to decking beams and are supported by it. Ply forms, steel forms are placed on the top to support the concrete poured.



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