STRUCTURAL DRAWINGS FOR
TEMPORARY CHAIN LINK FENCING WORKS
PHORA COMPOUND, US EMBASSY

SEPTEMBER 2021
1. All members shall be galvanized as per IS 5358:1969, to prevent corrosion.
2. Metal surfaces shall be properly cleaned.
3. Nomenclature of structural steel is as per Indian standard steel section.
4. Grade of steel = Fy250 MPa

Bolt Notes:
1. Bolt should be of grade as per specified in the drawing, in case of non specified use 4.6 grade bolts
2. Bolts shall confirm to IS 5624:1993.
3. Bolts should be galvanized as per provisions of IS5358:1969.

Welding Notes:
1. Requirements of welds and welding shall confirm to IS 816 and IS 9595, as appropriate.
2. The electrodes required for metal or welding shall be covered and shall confirm to IS 1284:1993.
3. Yield stress of weld shall be at least 345 N/mm²
4. All the welds shall be shop weld.
5. All the nuts shall be spot welded to prohibit the removal.

Construction Notes:
1. The contractor shall notify cor(facility manager) if utilities are found in areas of work.
2. Chain link fence shall be fabricated of 9ft or total height and length as per convenient to the contractor.

Safety Notes:
1. The contractor is responsible for a safety plan and for carrying out the safety plan during construction.

"TEMPORARY CHAIN LINK FENCE DRAWINGS AT PHORA COMPOUND"
Kantipath, Kathmandu, Nepal

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EXISTING BOUNDARY WALL OF PHORA DURBAR COMPOUND

SCALE 1:150
**NOTES:**

***THE CONTRACTOR SHALL CARRY THE WORK WITH MINIMAL EFFECT TO EXISTING BIG TREE ROOTS, ROOT LOCATIONS SHALL BE PREDETERMINED WITH FOUNDING POSTS, THE POSITION OF THE POSTS MIGHT ALTER DEPENDING UPON THE FREE ROOT LOCATIONS***
STEEL POST AND PLATE OF PLAN
SCALE 1:5

1. STEEL POST AND PLATE OF PLAN
SCALE 1:5

2. STEEL POST AND PLATE OF PLAN
SCALE 1:5

3. DETAIL OF BOLTS
SCALE 1:5

4. CONNECTION DETAIL
SCALE 1:5

5. STEEL POST AND PLATE FRONT SIDE
SCALE 1:5

6. DETAIL OF CHAIN
SCALE 1:5

7. CONNECTION DETAIL
SCALE 1:5

8. CONNECTION METAL STRAP TO POST
SCALE 1:30

9. CONNECTION
SCALE 1:2

STEEL PLATE 12MM THICK
100X100X5.4 MM GALVANIZED POST
8 MM STIFFNER ON 100X100X5.4
12MM NUT BOLT HOLE GRADE 4.6

STEEL PLATE 12MM THICK
ISNB 125MM POST, GALVANIZED
8 MM STIFFNER ON ISNB125
12 MM 4.6 GRADE BOLTS

100X100X5 STEEL HOLLOW POST
8MM THICK
12MM NUT BOLT
ANCHORED WITH EXISTING COLUMN

TOP COVERED WITH COLUMN CAP OR RUBBER COVER TO PROTECT IT FROM RAIN

METAL SLATS INSERTED VERTICALLY AND SECURED AT TOP AND BOTTOM
50X50X3MM GALVANIZED CHAIN LINK FENCE

CHAIN LINK FENCE
RIVETING OF THE METAL SLATE WARping CHAIN LINK AT TOP AND BOTTOM

CONNECTION DETAIL
SCALE 1:5

5 MM WELD WITH 100X100X5.4 POST
12MM NUT BOLT ANCHORED WITH EXISTING COLUMN

CONNECTION METAL STRAP TO POST
SCALE 1:30

ANTI-CLIMB CHAIN LINK FENCE AS PER DETAIL A

THROUGH BOLT WITH SECURITY WASHER AND NON REMOVABLE SHEAR NUT

4 NO OF 13MM DIA HOLE THROUGH OUT

OVERLAPPING PANELS 50MM X 5MM THICK

5 MM WELD WITH 100X100X5.4 POST
12MM NUT BOLT ANCHORED WITH EXISTING COLUMN

CONNECTION DETAIL
SCALE 1:5

METAL SLATS INSERTED VERTICALLY AND SECURED AT TOP AND BOTTOM
50X50X3MM GALVANIZED CHAIN LINK FENCE

DETAIL OF CHAIN
SCALE 1:5

ANTI-THEFT SHEAR BOLTS

CONNECTION
SCALE 1:2

DETAILS OF TEMPORARY CHAIN LINK FENCE

TEMPORARY METAL CHAIN LINK FENCING WORK AT PHORA COMPOUND,
US EMBASSY
KANTIPATH, KATHMANDU , NEPAL
TOP COVERED WITH COLUMN CAP OR RUBBER COVER TO PROTECT IT FROM RAIN
75X75X5MM RAIL
100X100X5MM STEEL HOLLOW POST

THROUGH BOLT WITH SECURITY WASHER AND NON REMOVABLE SHEAR NUT

100X100X5MM STEEL HOLLOW POST

75X75X5MM RAIL

CHAIN LINK FENCE

OVERLAPPING PANELS 50MM X 5MM THICK

ATTACK SIDE

ELEVATION

SCALE 1:30

THROUGH BOLT WITH SECURITY WASHER AND NON REMOVABLE SHEAR NUT @ 500 MM O/C

OVERLAPPING PANELS 50MM X 5MM THICK

THROUGH BOLT WITH SECURITY WASHER AND NON REMOVABLE SHEAR NUT
75X75X5MM RAIL
100X100X5MM STEEL HOLLOW POST

MULTIPLE ROLLS CONNECTION
SCALE 1:5

100X100X5.4 MM POST

SINGLE STRAND TWISTED TO CONNECT THE DIAMOND

TWO FENCE ROLLS, OVERLAPPED TO EACH OTHER TO INSERT METAL SLATE, FOR MULTIPLE ROLL CONNECTION

DIAMOND CONNECTED WITH SINGLE STRAND, TO CONNECT BETWEEN ROLLS

ENDS ARE SECURED AT TOP AND BOTTOM

MULTIPLE ROLLS CONNECTION
SCALE 1:5