

Saudi Electricity Company



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARD

SDCS-02

DATE: DECEMBER 2012

SDCS-02

**CONSTRUCTION STANDARD
FOR
UNDERGROUND DISTRIBUTION NETWORK**

**This specification is property of SEC and
subject to change or modification without any notice**



PART 9

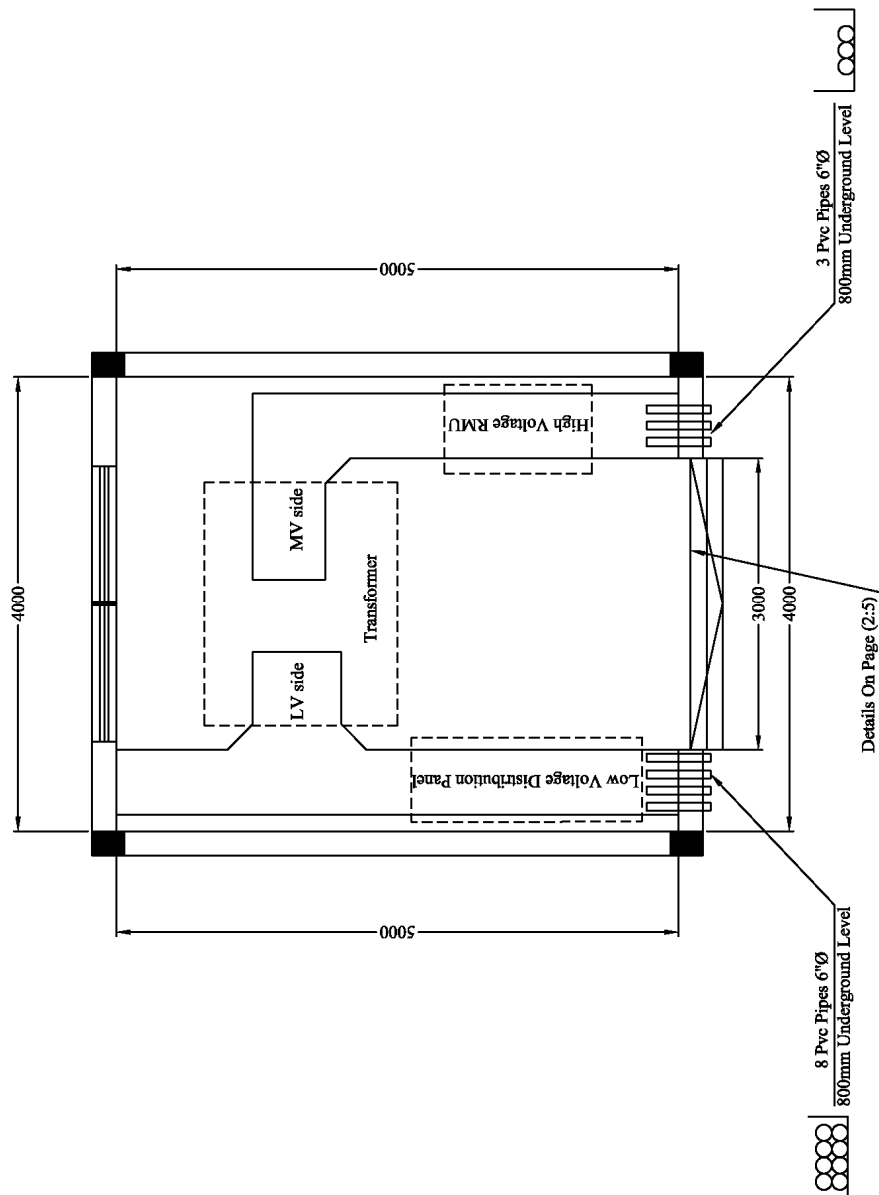
INSTALLATION

OF

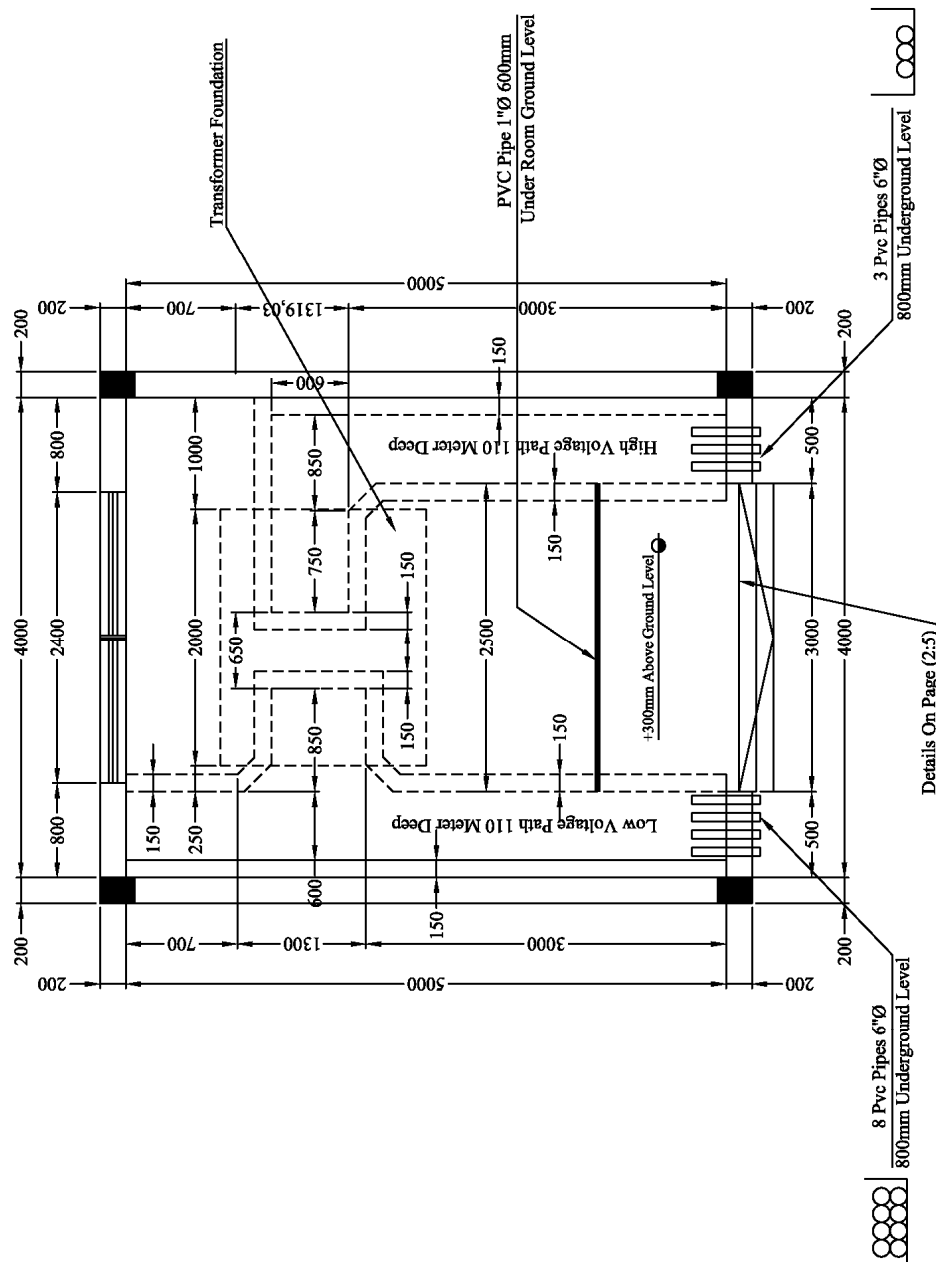
**13.8 & 33KV SINGLE TRANSFORMER
ROOM SUBSTATIONS**



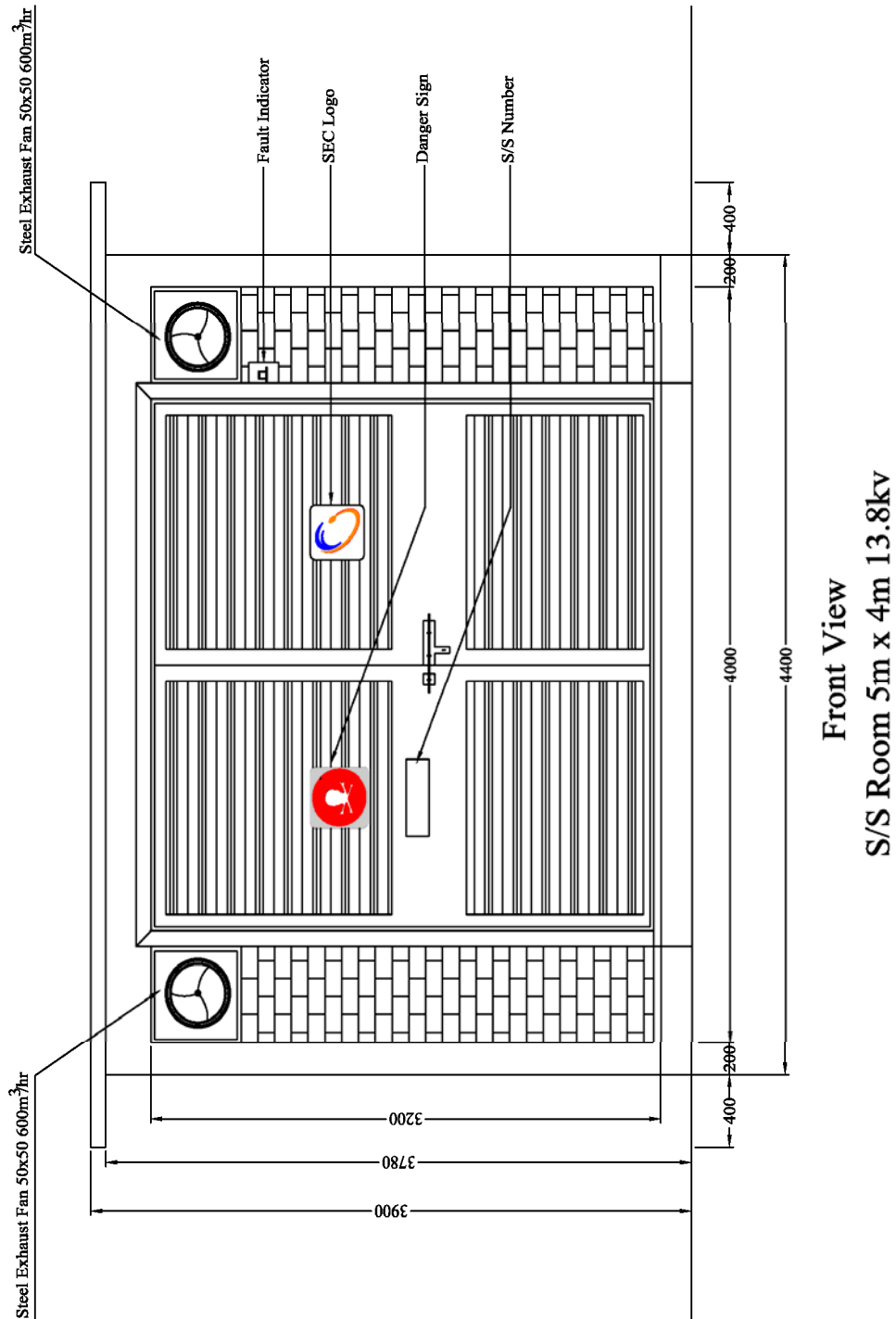
1- 13.8KV ROOM SUBSTATION WITH SINGLE TRANSFORMER

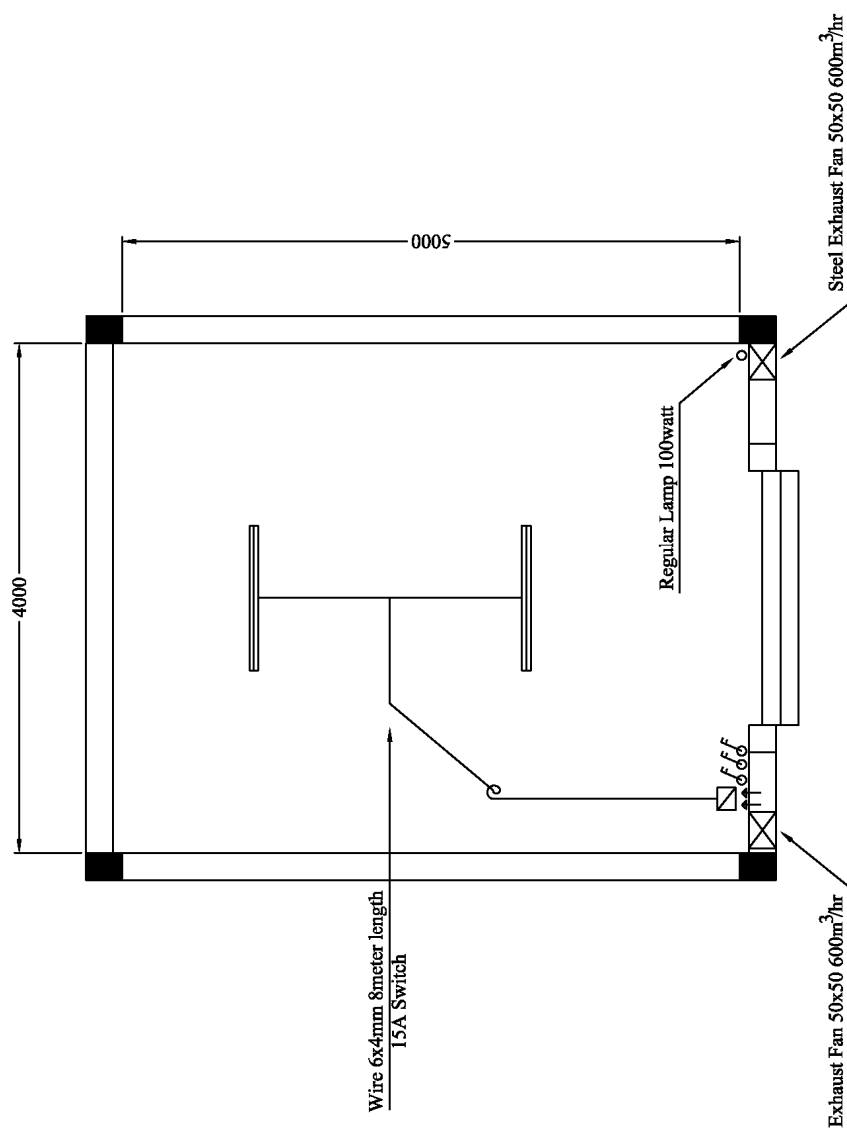


Plan View For Equipment Layout

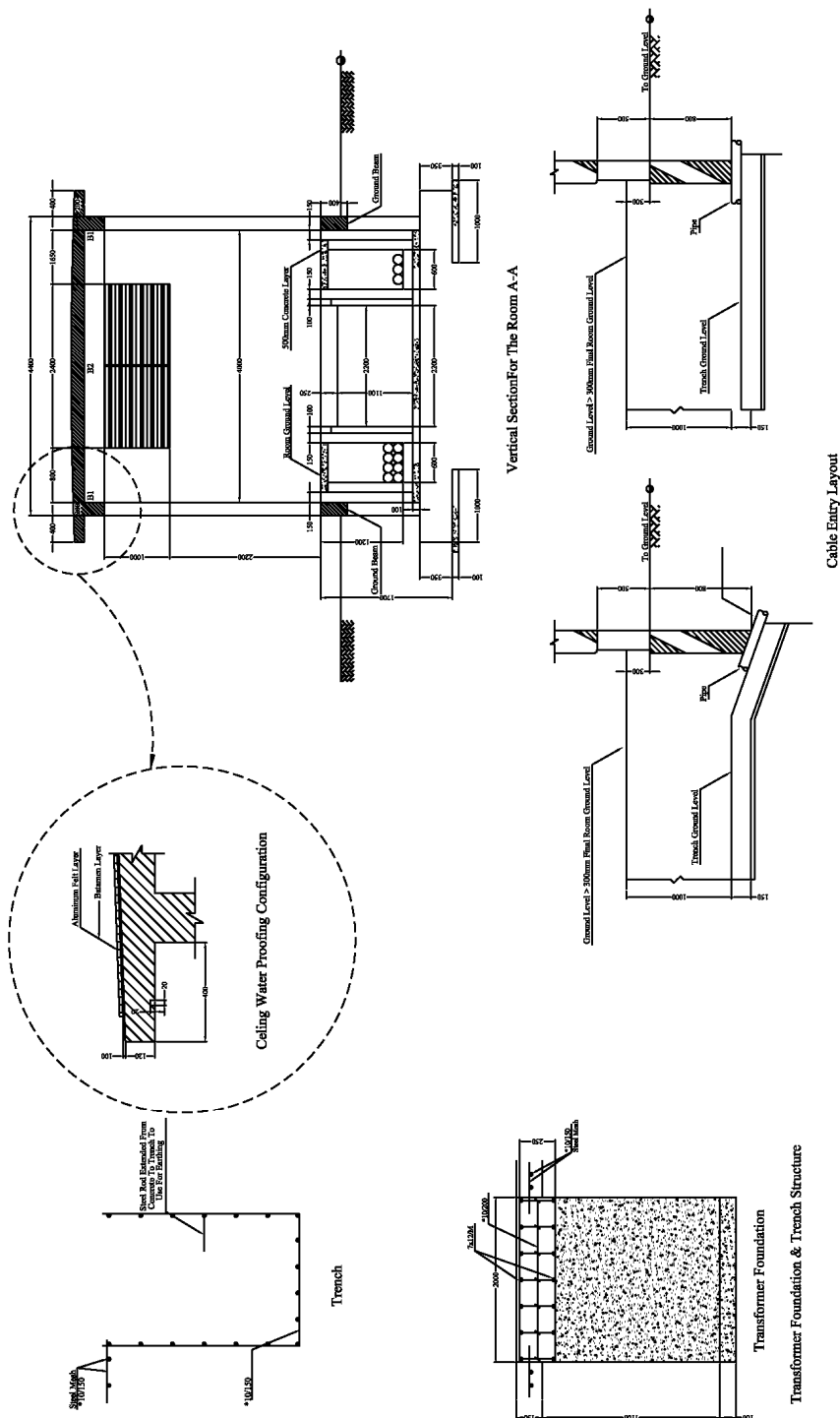


Plan View For Trench & Transformer Foundation





Plan For Lighting & Electrical Wiring
S/S Room 5m x 4m 13.8kv



Construction Details

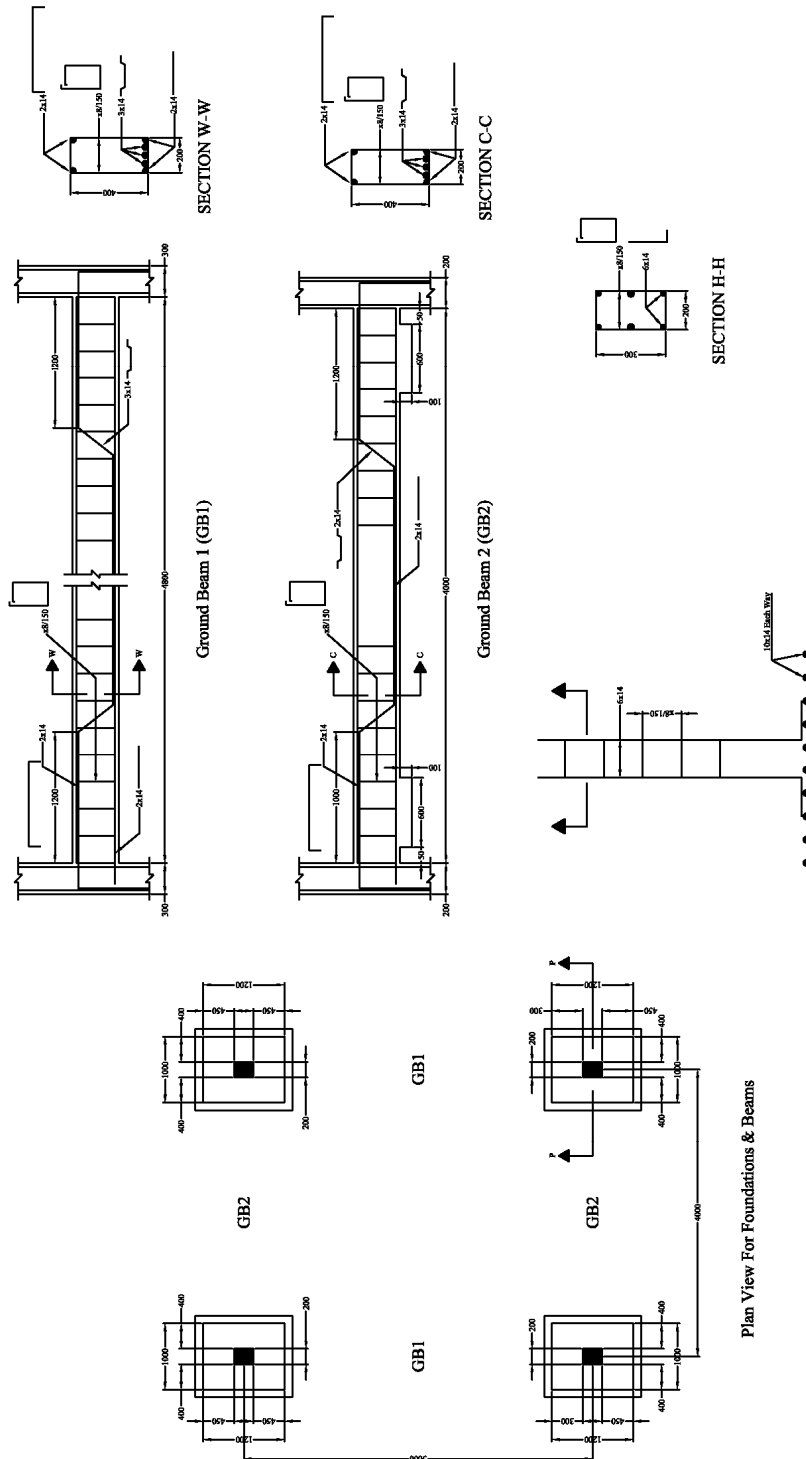
Note:
For Concrete Refer To Part-1



SEC DISTRIBUTION CONSTRUCTION STANDARD

SDCS-02

DATE: DECEMBER 2012



Construction Details

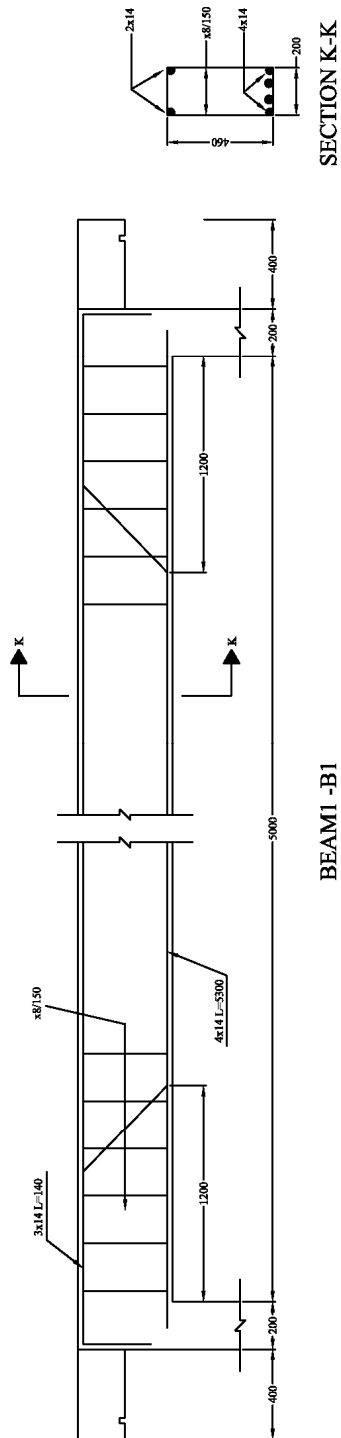
Note:
For Concrete Refer To Part-1



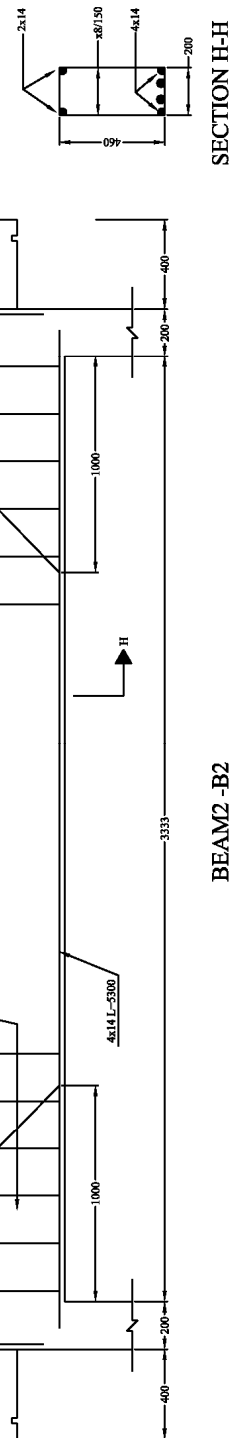
SEC DISTRIBUTION CONSTRUCTION STANDARD

SDCS-02

DATE: DECEMBER 2012



BEAM1 -B1



BEAM2 -B2

S/S Room 5m x 4m 13.8kv

Construction Details

Note:
For Concrete Refer To Part-1



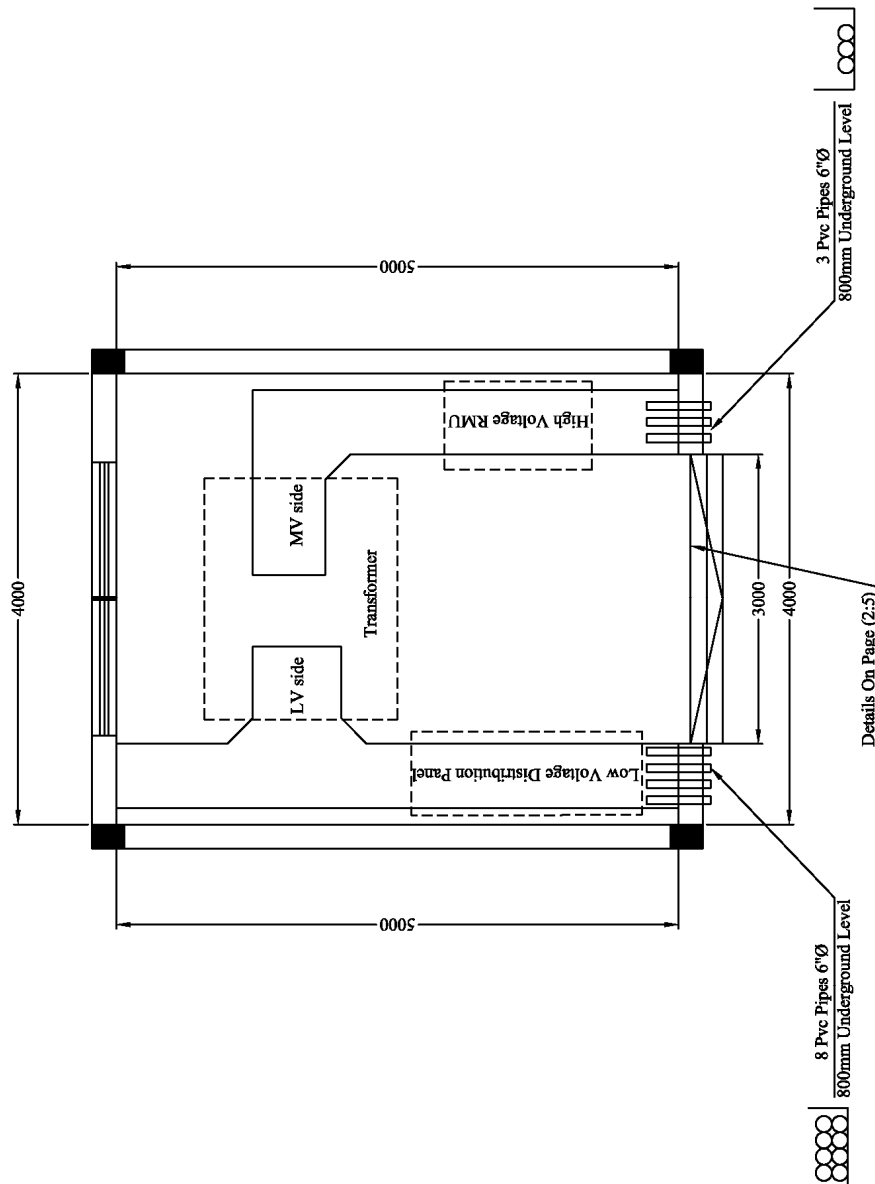
Plan View For Ceiling & Reinforcement
Details On Page (7:9)



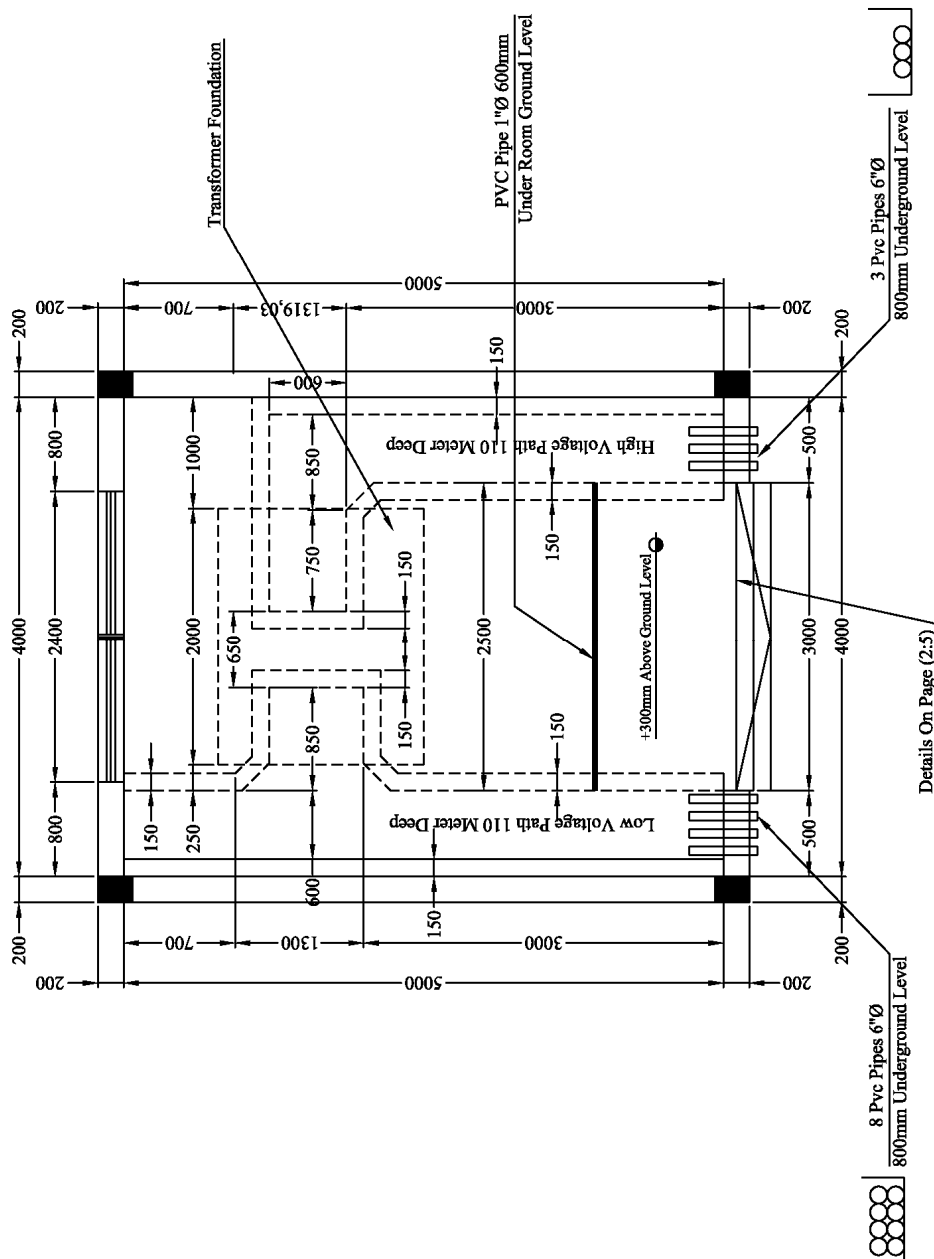
Note:
For Concrete Refer To Part-I



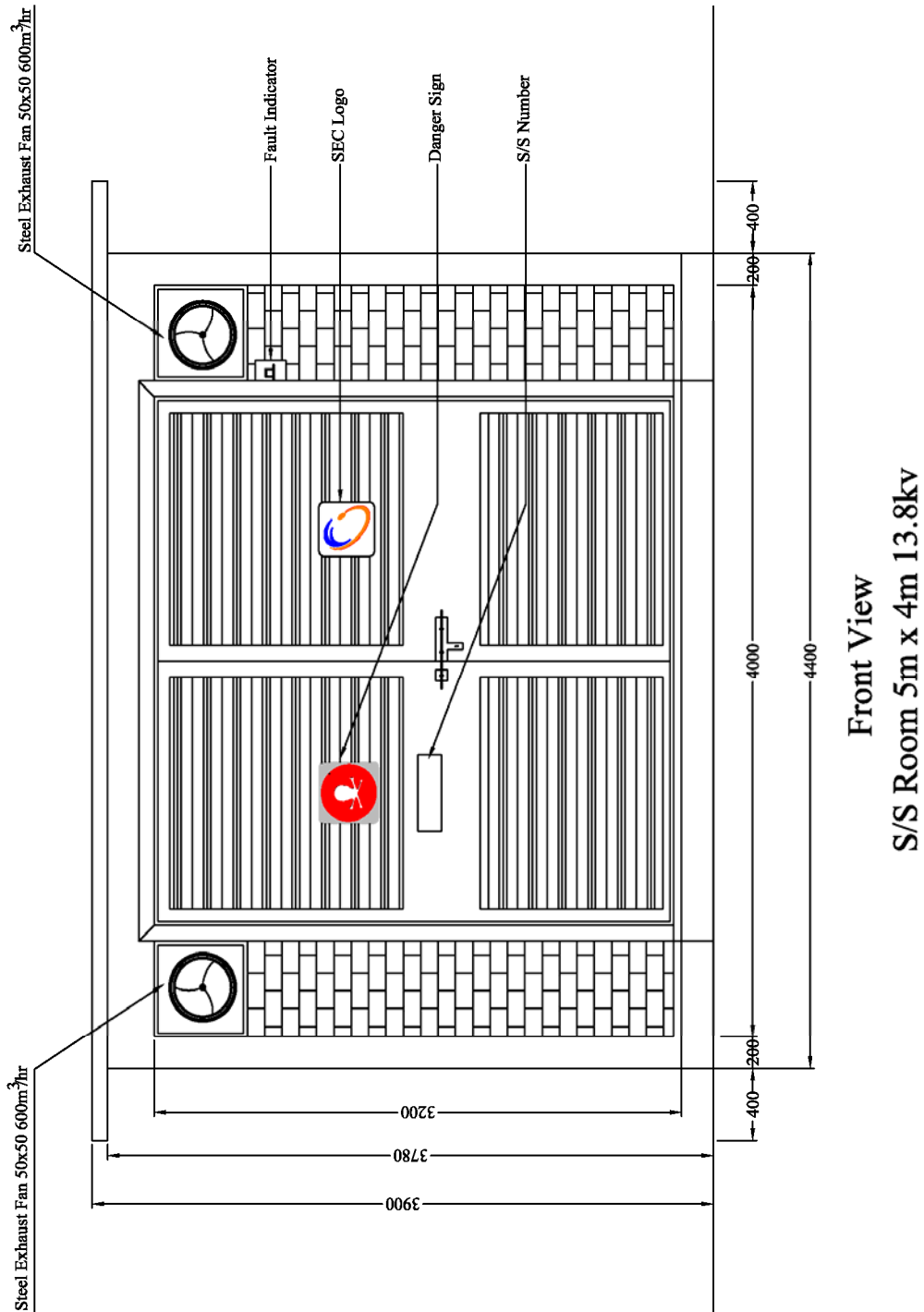
2- 33KV ROOM SUBSTATION WITH SINGLE TRANSFORMER

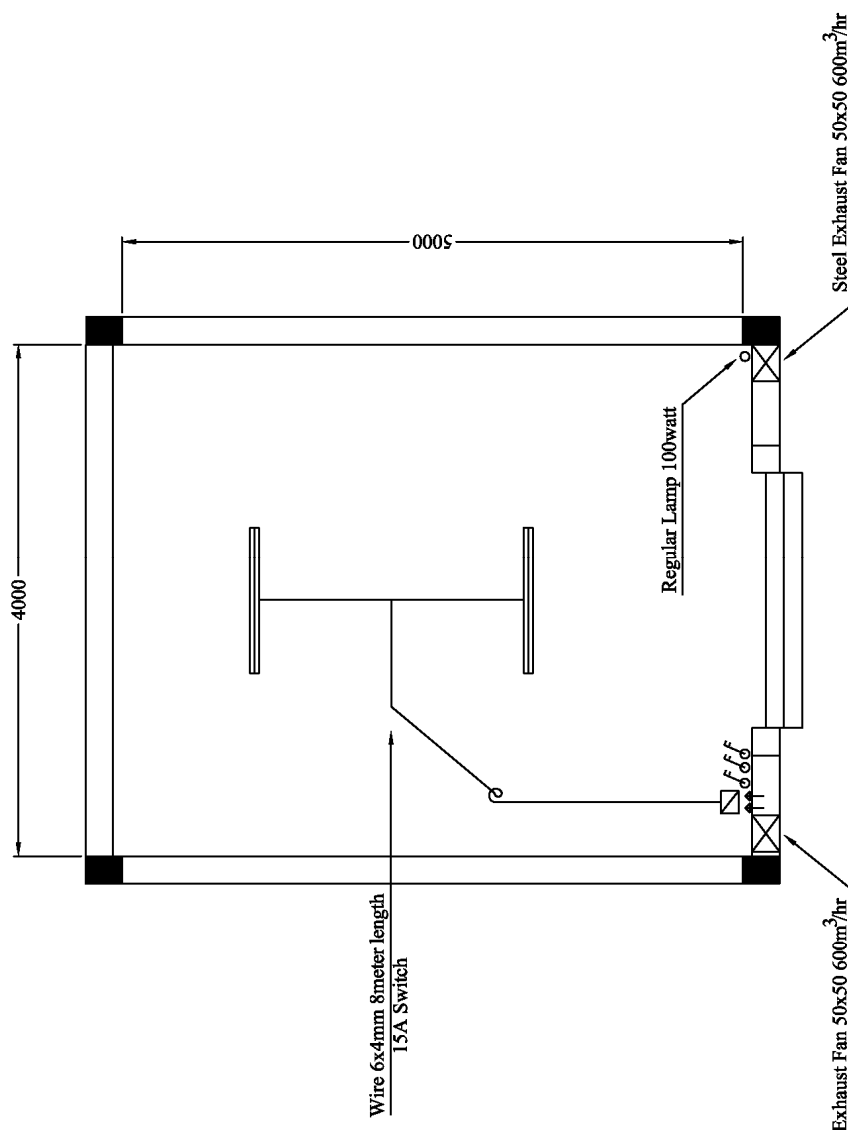


Plan View For Equipment Layout

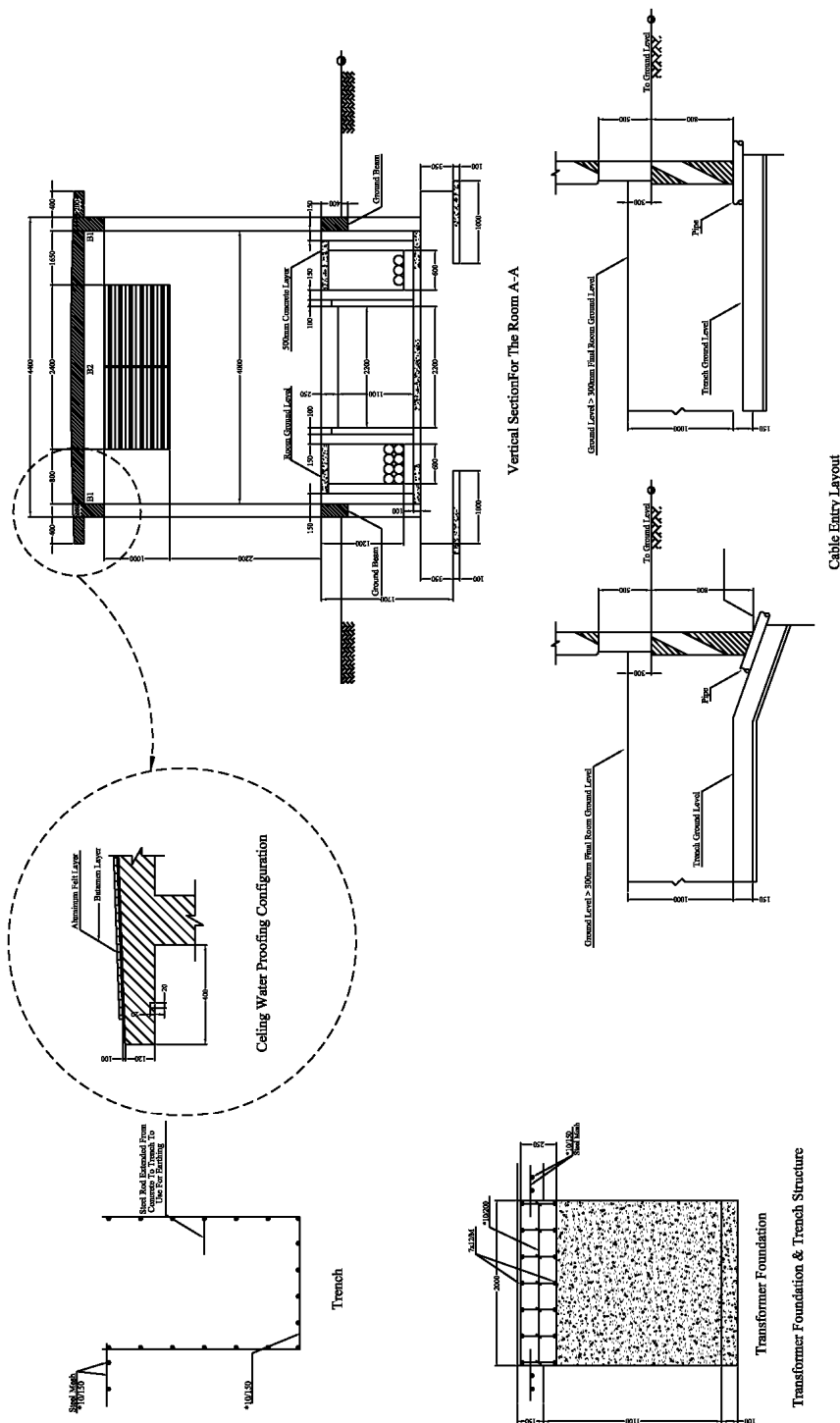


Plan View For Trench & Transformer Foundation





Plan For Lighting & Electrical Wiring
S/S Room 5m x 4m 13.8kv



Construction Details

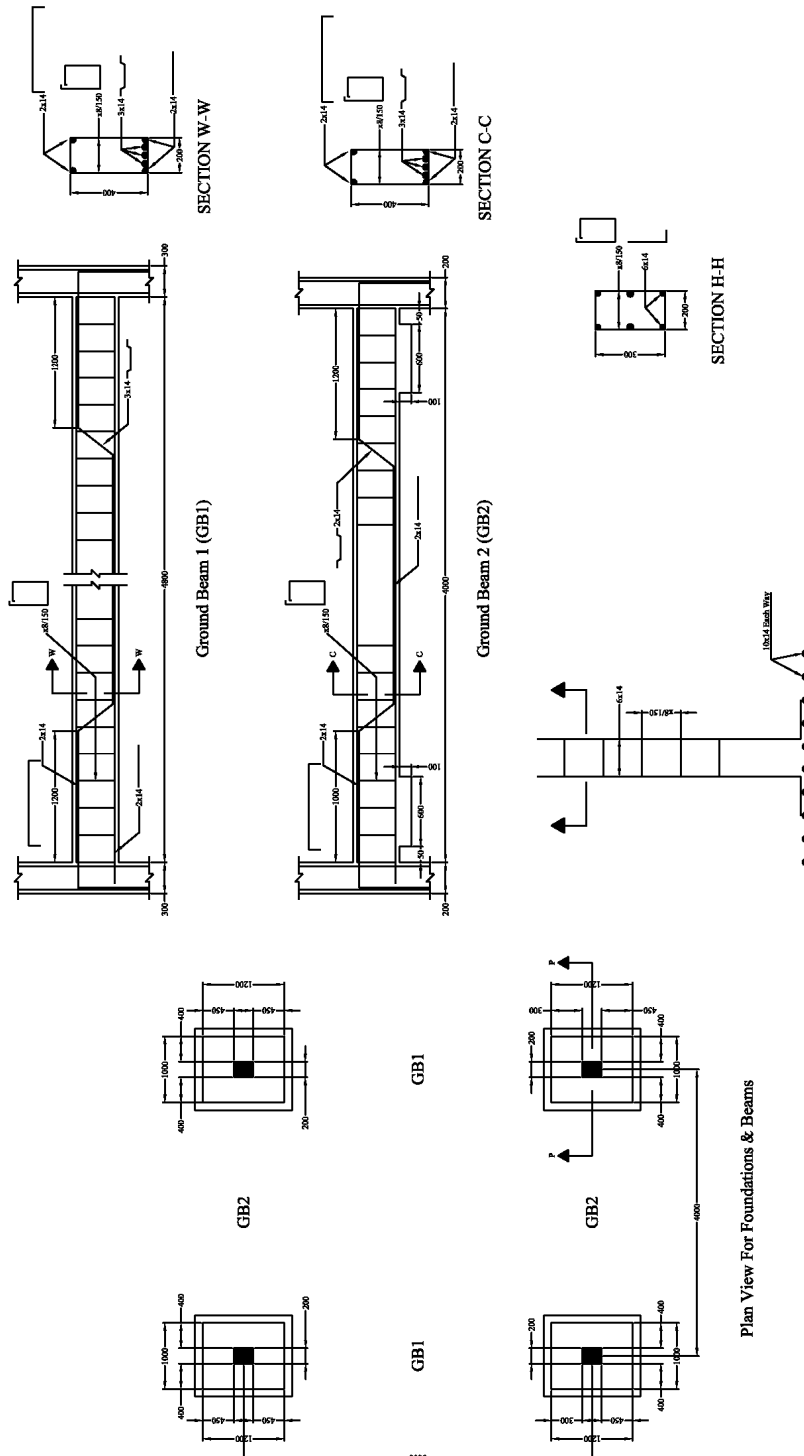
Note:
For Concrete Refer To Part-1



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SDCS-02

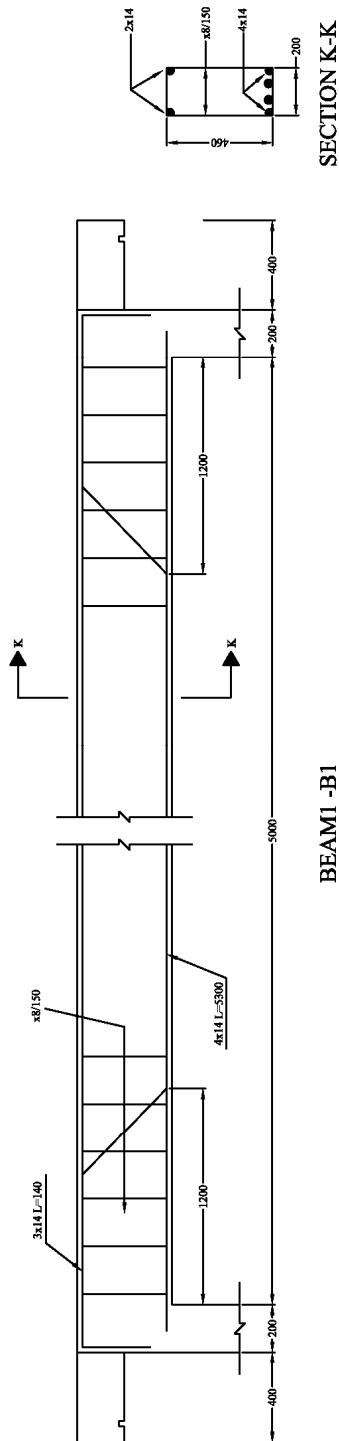
DATE: DECEMBER 2012



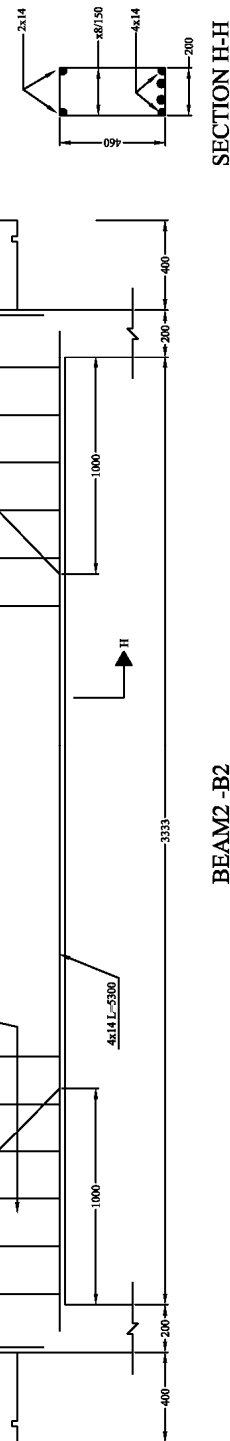
Vertical Section P-P
S/S Room 5m x 4m 13.8kv

Construction Details

Note:
For Concrete Refer To Part-1



BEAM1 -B1



BEAM2 -B2

S/S Room 5m x 4m 13.8kv

Construction Details

Note:
For Concrete Refer To Part-1



Note:
For Concrete Reffer To Part-1



Note:
For Concrete Refer To Part-I