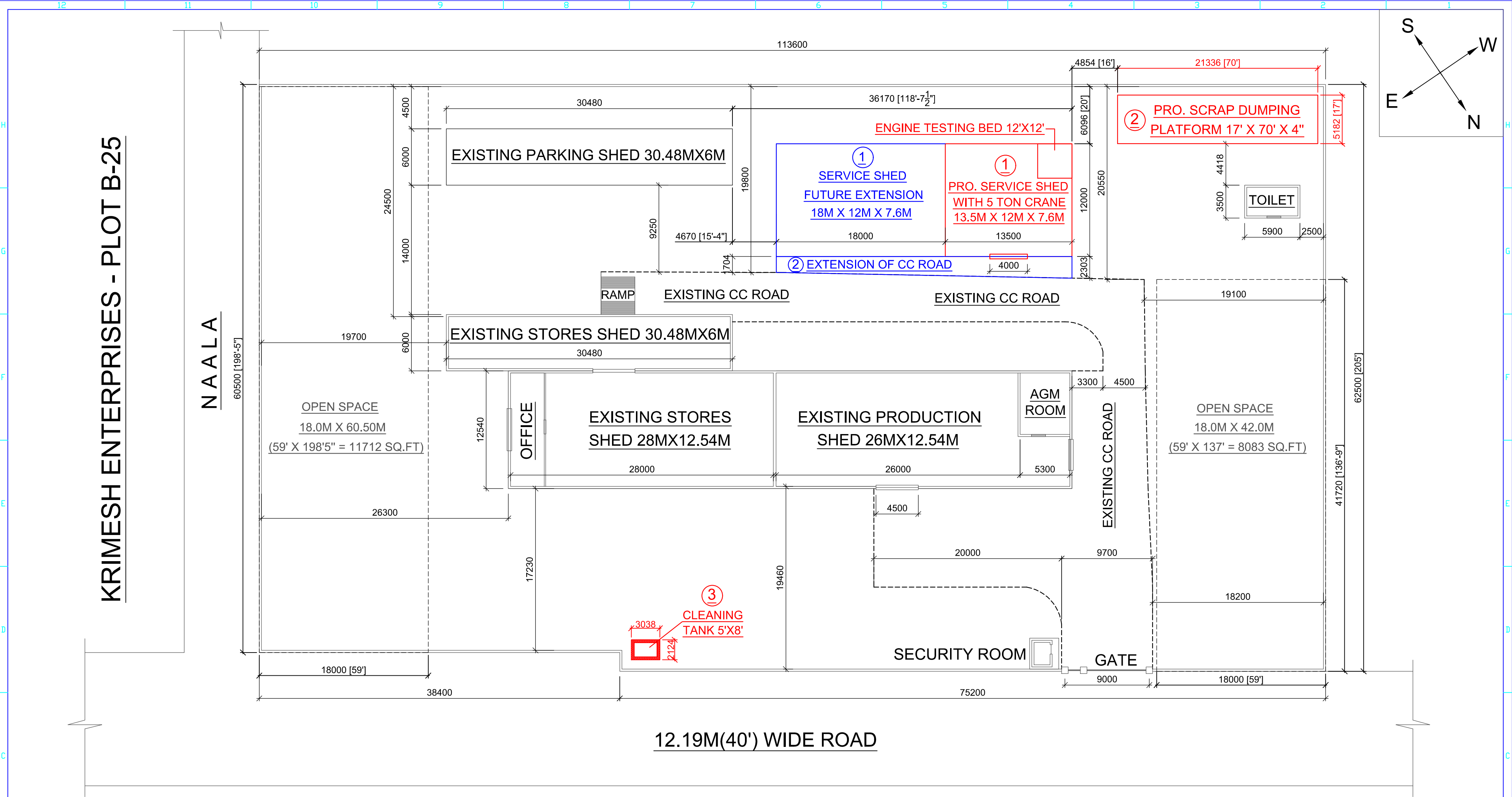


LAYOUT PLAN SHOWING EXISTING STRUCTURES OF BEML SERVICE CENTRE AT MOULALI, HYDERABAD

**BEML LIMITED**  
(Formerly As M/S. BHARATH EARTH MOVERS LIMITED)  
(Government Of India, Ministry of Defence)

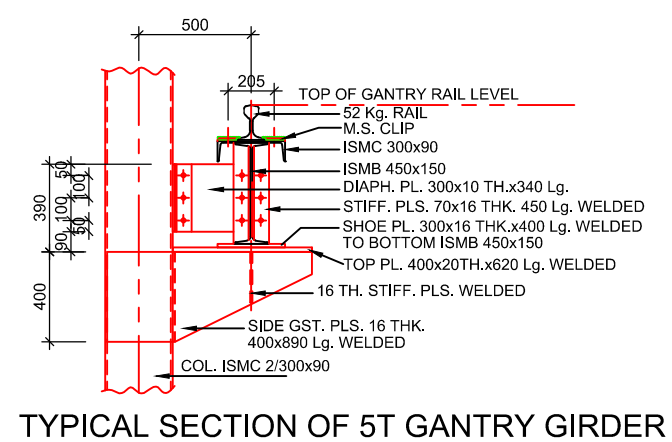
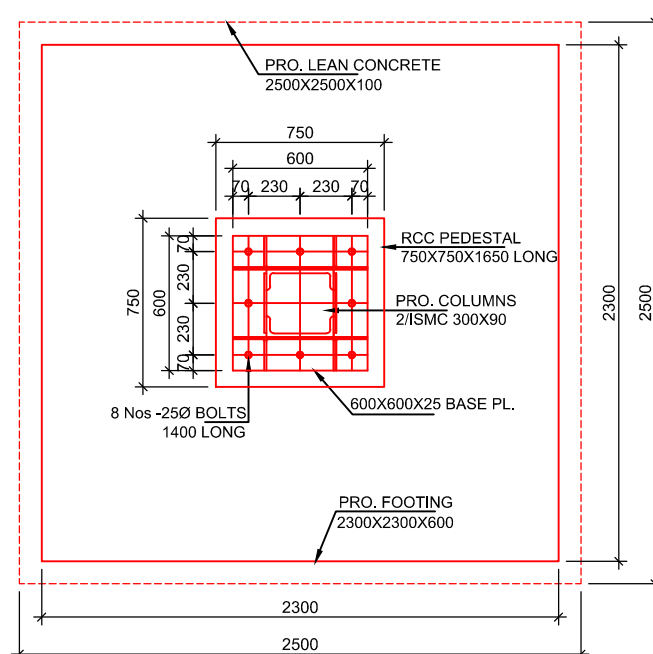
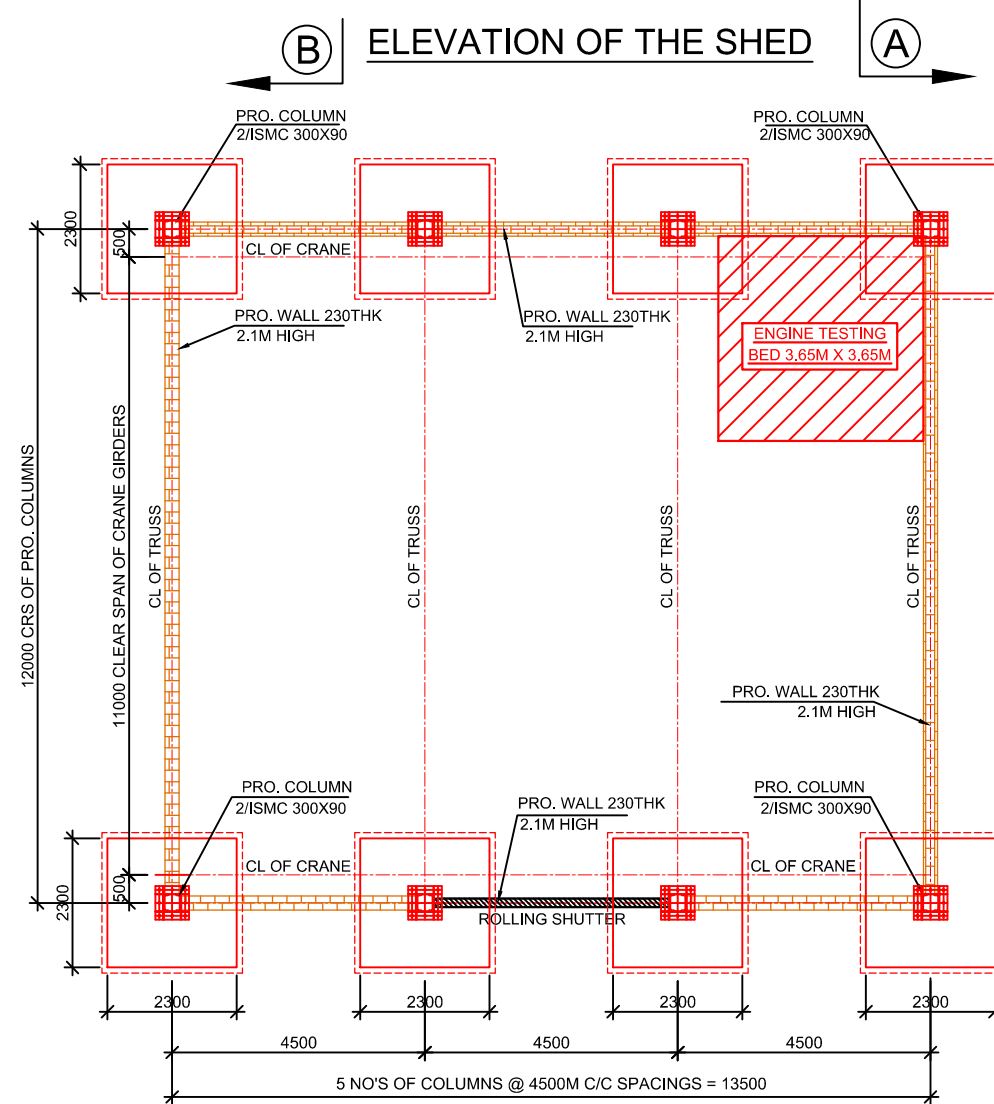
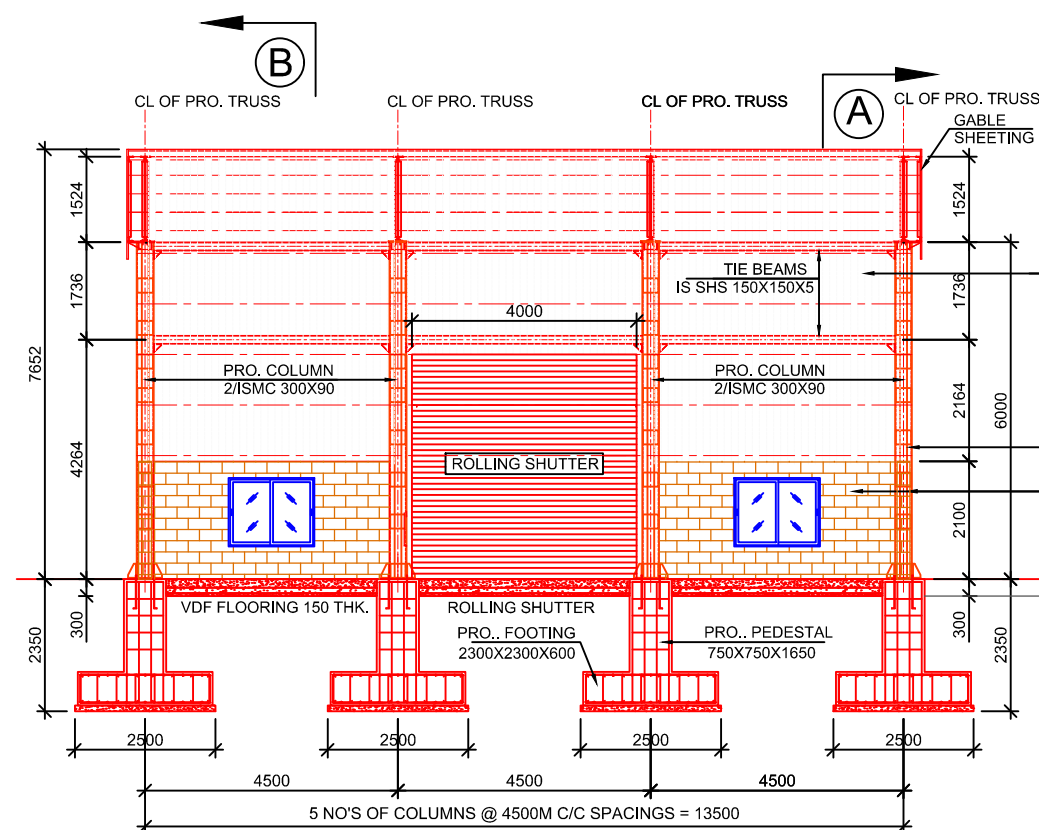
**LAYOUT PLAN SHOWING EXISTING STRUCTURES IN PLOT  
NOS. B-14 & B-23 SITUATED AT TSIIC ESTATE, MOULALI  
INDUSTRIAL AREA, MEDCHAL DISTRICT, TELANGANA STATE.**

**SCALE: 1:400  
SIZE: A3**  
**DRAWN BY:  
SRIRAMUJU ESHWAR**



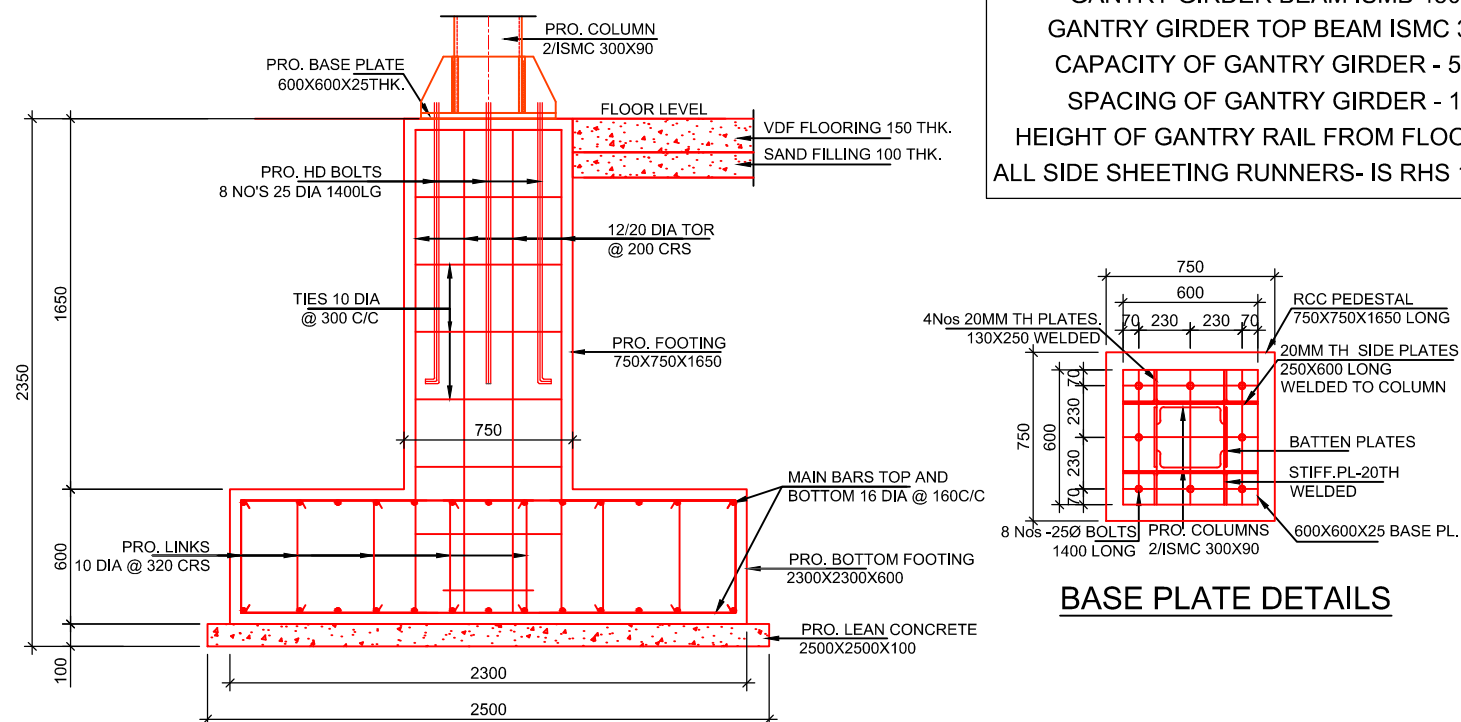
LAYOUT PLAN SHOWING PROPOSED AND FUTURE WORKS AT BEML SERVICE CENTRE, MOULALI, HYDERABAD

<p><b>PROPOSED SCOPE OF WORK:</b></p> <p><u>1. PRO. CONSTRUCTION OF SERVICE SHED OF SIZE 13.5M(45') X12M(40') X 7.625M(25') AND PRO. CONSTRUCTION OF ENGINE TESTING PLATFORM INSIDE SERVICE SHED OF SIZE 12' X 12'</u></p> <p><u>2. PRO. CONSTRUCTION OF SCRAP DUMPING PLATFORM OF SIZE 17' X 70' X 4"</u></p> <p><u>3. PRO. CONSTRUCTION OF CLEANING TANK OF SIZE 5' X 8' X 5'</u></p>				<p><b>FUTURE SCOPE OF WORK:</b></p> <p><u>1. EXTENSION OF SERVICE SHED OF SIZE 60' X 40' X 25'</u></p> <p><u>2. EXTENSION OF SERVICE ROAD OF SIZE 31.5M X 2.0M ALONG THE LENGTH OF THE PRO. SERVICE SHED.</u></p>				<p><b>SCALE: 1:400</b></p> <p><b>SIZE: A3</b></p> <p><b>26.01.2024</b></p>		<p>CONCEPTUALIZED &amp; DRAWN BY:</p> <p>THIS DRAWING IS THE PROPERTY OF M/S SRIRAMOJU ESHWAR-CIVIL ENGINEER AND STRUCTURAL CONSULTANT AND TO BE USED ONLY FOR THE PURPOSE IT WAS LENT. IT MUST NOT BE USED IN ANYWAY DETRIMENTAL TO OUR INTEREST AND SUBJECT TO PENAL ACTION IF NECESSARY.</p>	
<p><b>BEML LIMITED</b></p> <p><b>(Formerly As M/S. BHARATH EARTH MOVERS LIMITED)</b></p> <p><b>(Government Of India, Ministry of Defence)</b></p>				<p><b>LAYOUT PLAN SHOWING PROPOSED AND FUTURE WORKS IN PLOT NOS. B-14 &amp; B-23 SITUATED AT TSIIC ESTATE, MOULALI INDUSTRIAL AREA, MEDCHAL DISTRICT, TELANGANA STATE.</b></p>						<p>Sriramoju Eshwar</p> <p>Proprietor</p> <p>SRIRAMOJU ESHWAR B. Tech CIVIL</p> <p>Civil Engineer &amp; Structural Consultant</p>	



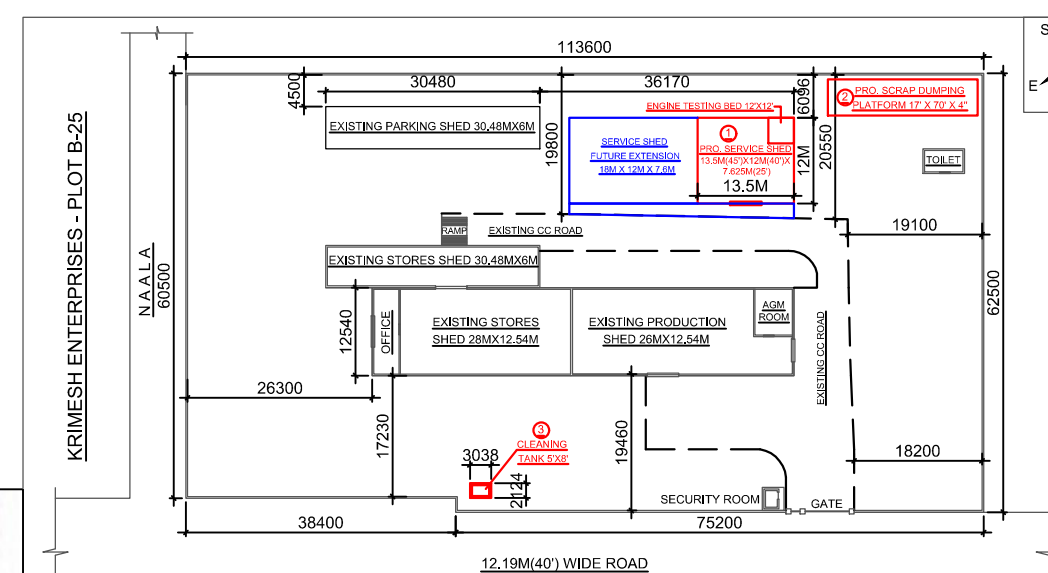
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ACTION IF NECESSARY.

**Sriramoju Eshwar**  
*Eshwar*  
Proprietor  
**SRIRAMOJU ESHWAR** B. Tech CIVIL  
**Civil Engineer &  
Structural Consultant**

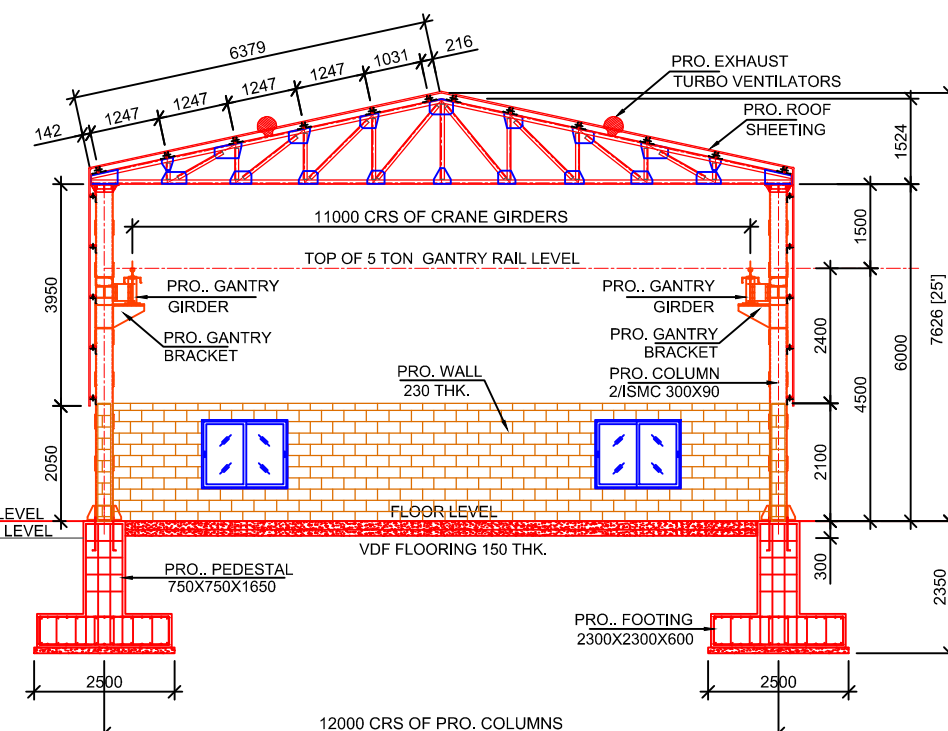
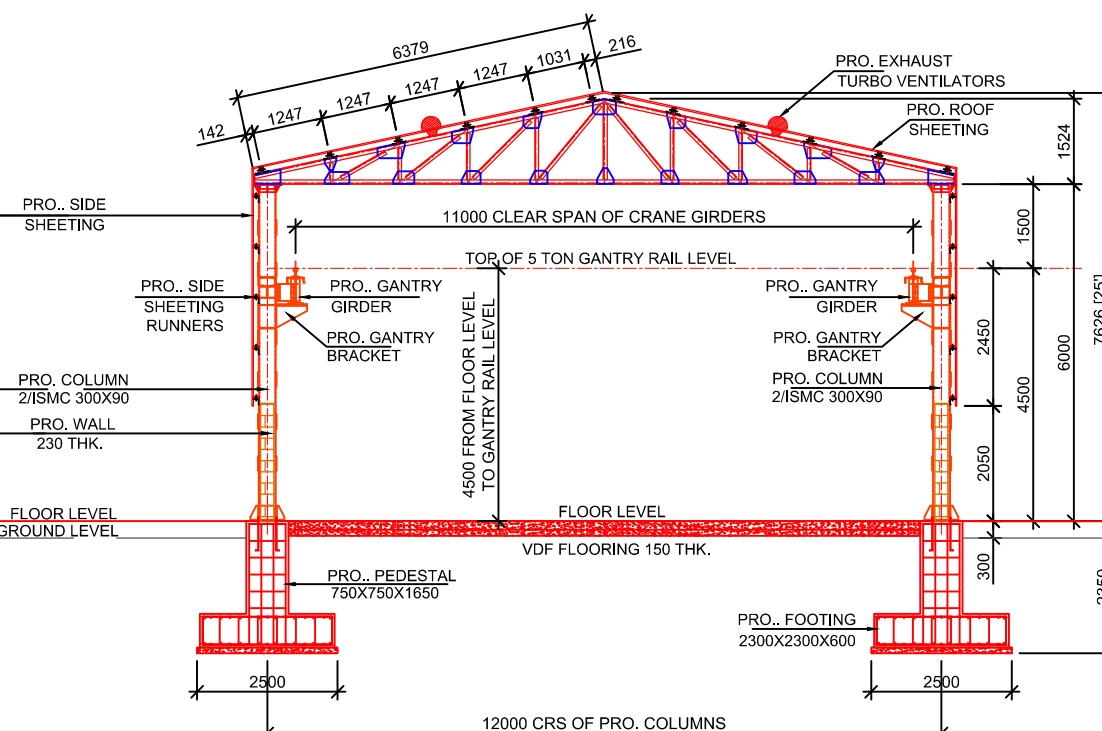


**PROPOSED SCOPE OF WORK:**

1. PRO. CONSTRUCTION OF SERVICE SHED OF SIZE 13.5M(45') X12M(40') X 7.625M(25') AND PRO. CONSTRUCTION OF ENGINE TESTING PLATFORM INSIDE SERVICE SHED OF SIZE 12' X 12'
2. PRO. CONSTRUCTION OF SCRAP DUMPING PLATFORM OF SIZE 17' X 70' X 4"
3. PRO. CONSTRUCTION OF CLEANING TANK OF SIZE 5' X 8' X 5'



LAYOUT PLAN SHOWING PROPOSED WORKS AT BEML, MOULALI.



GANTRY GIRDER BEAM ISMB 450X150  
 GANTRY GIRDER TOP BEAM ISMC 300X90  
 CAPACITY OF GANTRY GIRDER - 5/3 TON  
 SPACING OF GANTRY GIRDER - 11.0M  
 HEIGHT OF GANTRY RAIL FROM FLOOR - 4.50M  
 ALL SIDE SHEETING RUNNERS- IS RHS 100X50X3.2

ALL COLUMNS ARE 2/ISMB 300X90  
ALL TIE BEAMS ARE IS SHS 150X150X5  
TRUSS:-  
ALL TRUSS TIE AND RAFTERS - ISA 75X75X8  
ALL OTHER TRUSS MEMBERS - ISA 65X65X8  
ALL PURLINS ARE IS RHS 100X50X3.2

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. PROPOSALS ARE SHOWN IN **RED**
3. ALL WELD ARE 6/8MM FILLET TO BE DONE AS PER CODE  
I.S.816 FOR ELECTRIC ARC WELDING.
4. ALL FASTENERS ARE 20-DIA IN 22-DIA HOLES.
5. REINFORCEMENT IS OF HYSD BARS CONFORMING TO  
IS 1786-1985, Fe 415/500 GRADE.
6. GRADE OF CONCRETE SHALL BE AS FOLLOWS :-  
RCC WORKS — M 25
7. USING 20 mm MAX SIZE GRADED HARD STONE AGGEREGATE  
OF APPROVED QUALITY.
8. THE EXISTING DIMENSIONS AND THE STRUCTURAL MEMBERS  
ARE TO BE VERIFIED AT SITE.
9. WHILE EXECUTING/FABRICATING THE ACTUAL DIMENSIONS  
SHALL BE FOLLOWED AS PER SITE CONDITIONS.
10. FLOORING DETAILS SHALL BE DECIDED BY FIELD ENGINEERS  
DULY CONSIDERING THE SOIL STRATA.

SPECIFICATIONS :

1. ALL BRICK WORKS SHALL BE WITH 9" THK. BRICK WORK WITH CM 1:6.
2. SHEETING:  
ROOFING AND CLADDING: COLOUR COATED ROOFING SHEETS.  
NATURAL LIGHTING : 25% OF ROOF WITH EMBOSSED POLYCARBONATE SHEETS.
3. FLOORING : VACUUM DEWATERED FINISH (VDF) (INDUSTRIAL FLOORING WITH NON-METALLIC HARDENER.
4. ALL STEEL SHALL CONFORMS TO IS : 2062.
5. ALL STEEL FABRICATION SHALL BE DONE AS PER IS:800-2007.
6. ALL BOLTS AND NUTS SHALL CONFORM TO IS:3757 OF 1992.

**BEML LIMITED**

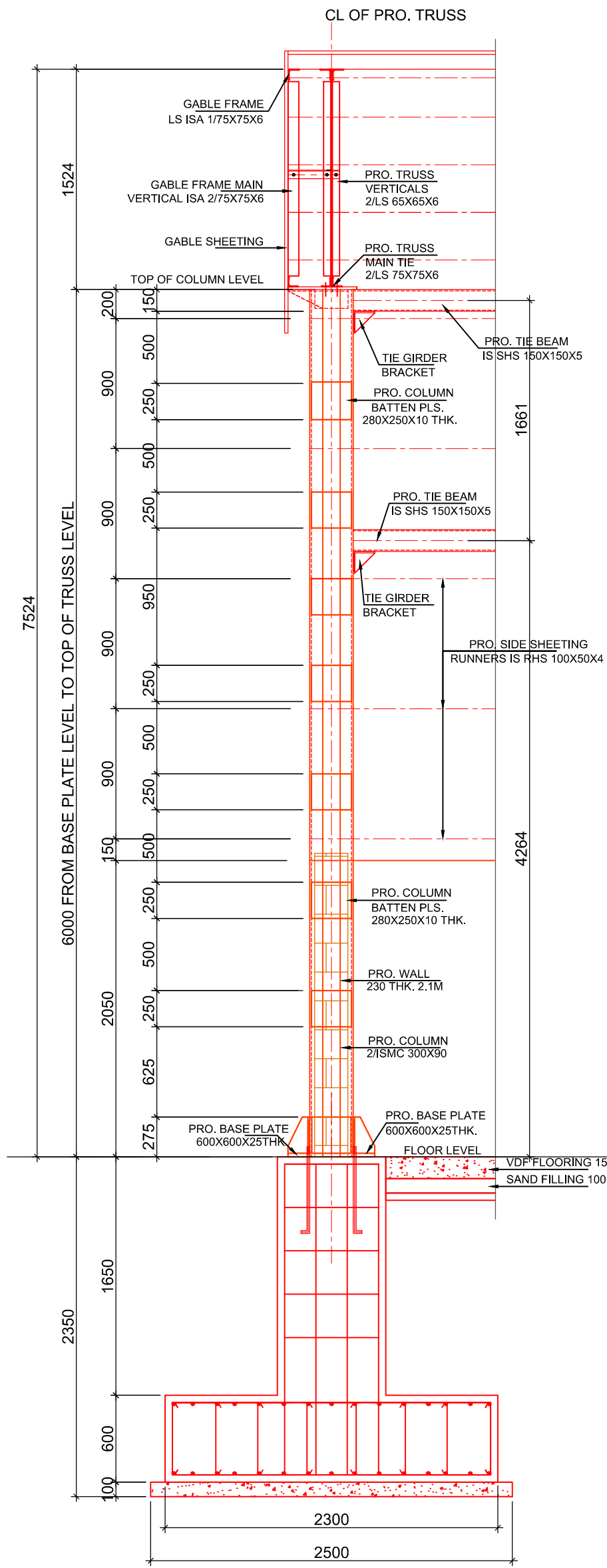
**(Formerly As M/S. BHARAT EARTH MOVERS LIMITED)**  
**(Government Of India, Ministry of Defence)**

**PROPOSED CONSTRUCTION OF SERVICE  
STORE SHED OF SIZE 13.50MX12.0M IN  
PLOT NOS. B-14 & B-23 SITUATED AT  
TSIIC ESTATE, MOULALI INDUSTRIAL  
AREA, R.R. DISTRICT, TELANGANA STATE.**

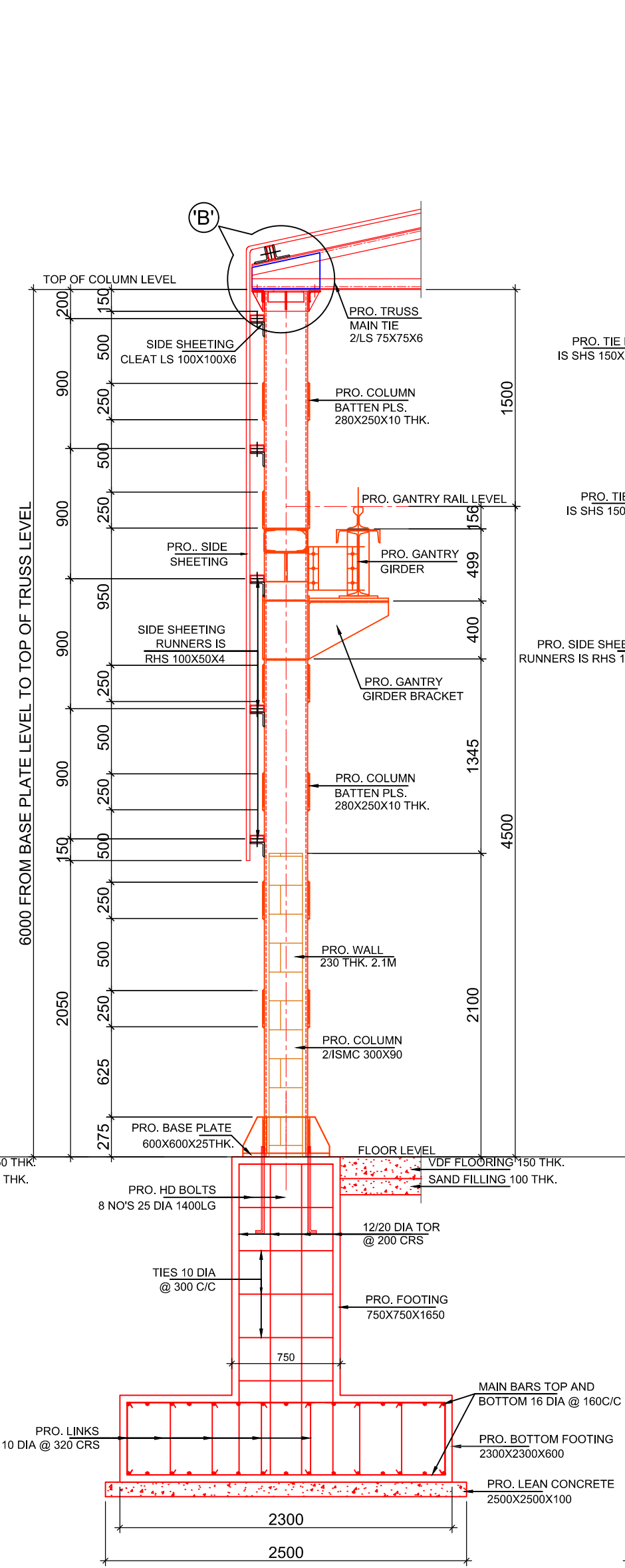
## **GENERAL ARRANGEMENT DRAWING** **AND FOUNDATIONS**

**SCALE: 1:100 & 1:400**

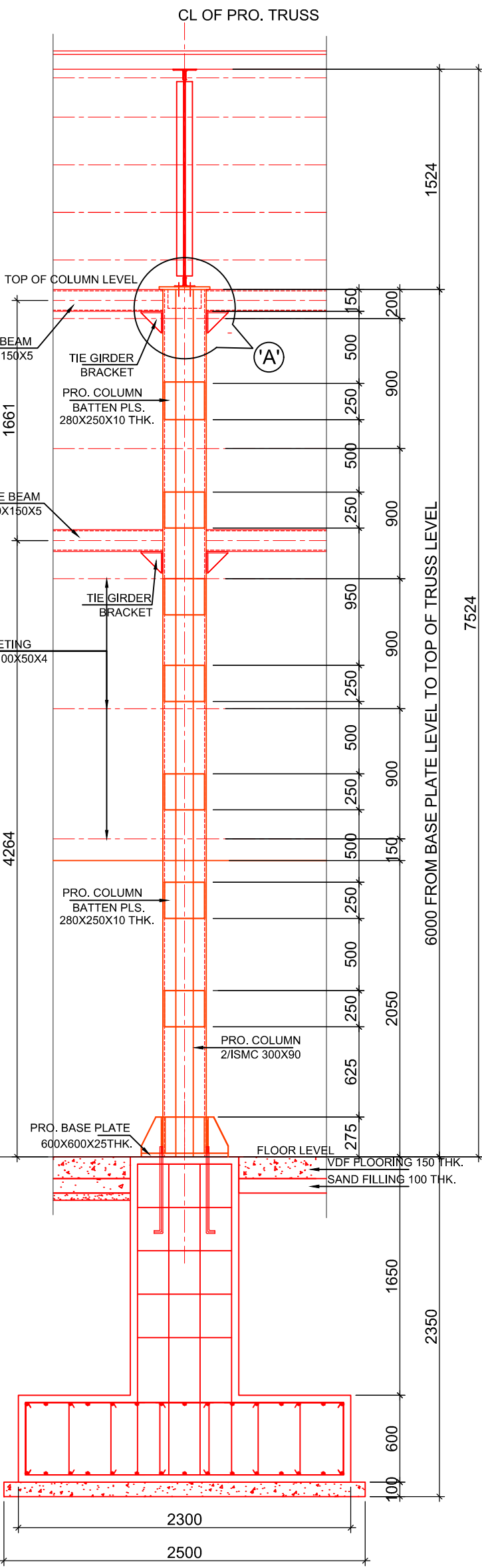




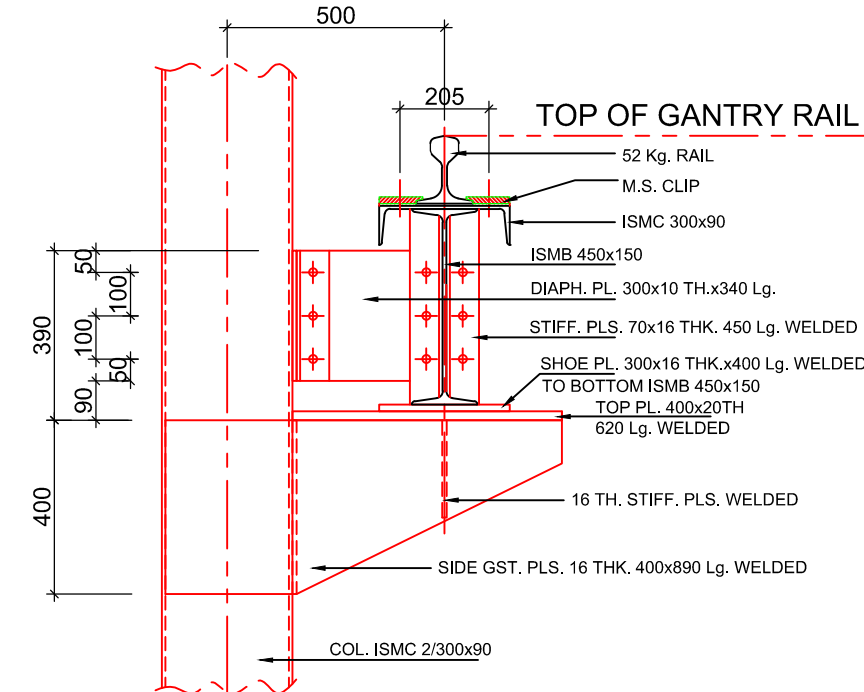
**COLUMN DETAILS**  
(SIDE VIEW - ROLLING SHUTTER END)



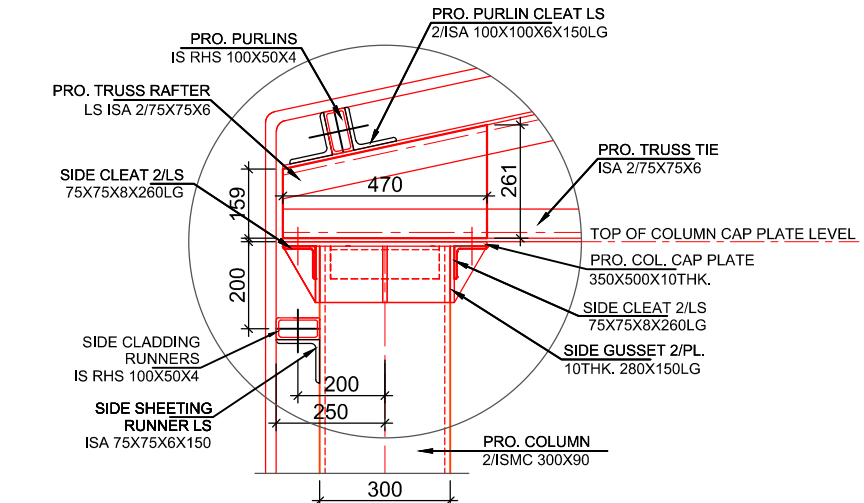
**COLUMN DETAILS**  
(ELEVATION)



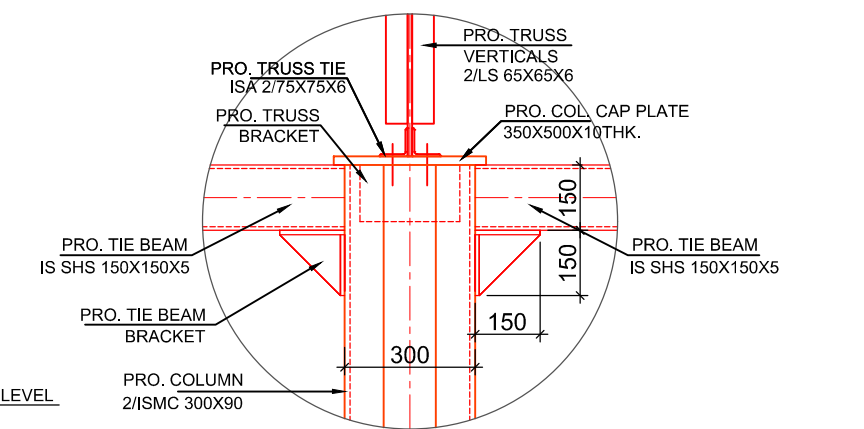
**COLUMN DETAILS**  
(SIDE VIEW - INTERMEDIATE)



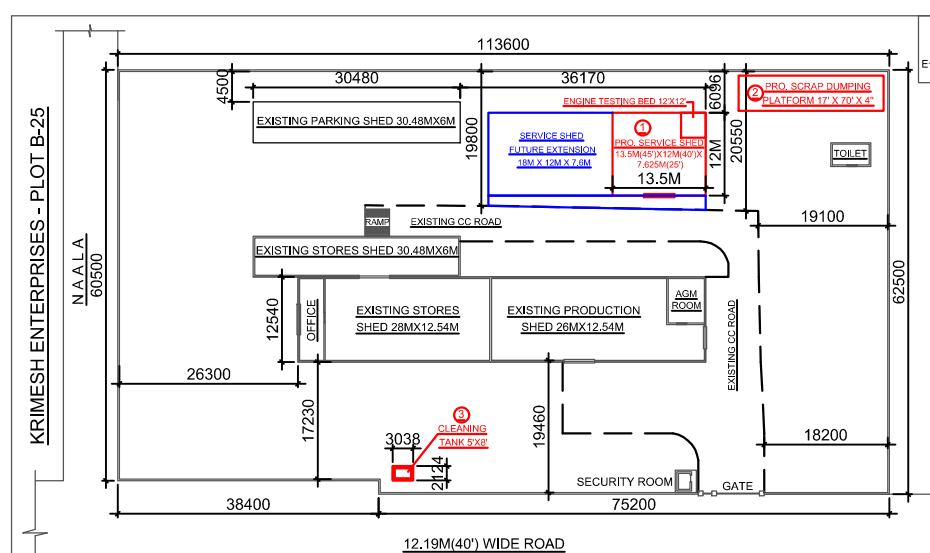
**TYPICAL SECTION OF 5T GANTRY GIRDER**



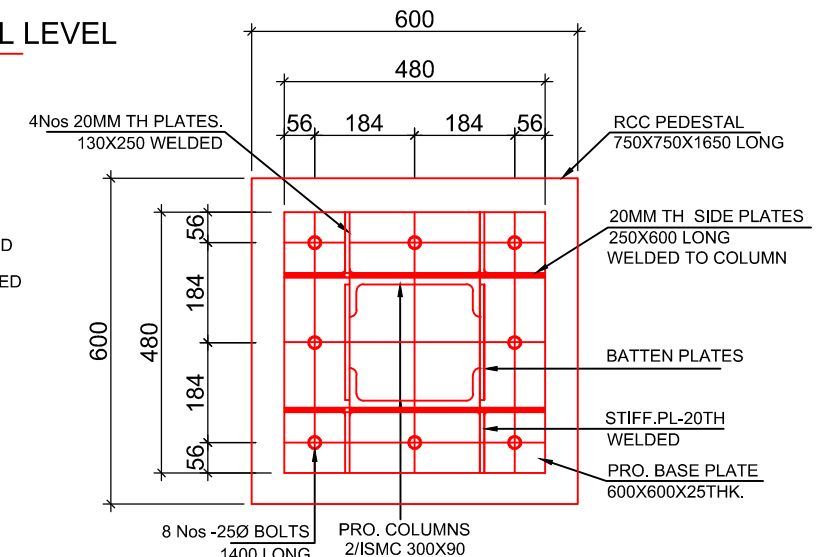
**DETAIL AT 'A'**



**DETAIL AT 'A'**



**LAYOUT PLAN SHOWING PROPOSED WORKS AT BEML, MOULALI.**



**BASE PLATE DETAILS**

#### DRAWN BY:

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**Sriramoju Eshwar**  
Proprietor  
**SRIRAMOJU ESHWAR** is. tech. civil.  
Civil Engineer & Structural Consultant

#### GENERAL NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETERS.
- PROPOSALS ARE SHOWN IN **RED**.
- ALL WELD ARE 6/8MM FILLET TO BE DONE AS PER CODE I.S.816 FOR ELECTRIC ARC WELDING.
- ALL FASTENERS ARE 20-DIA IN 22-DIA HOLES.
- REINFORCEMENT IS OF HYSD BARS CONFORMING TO IS 1786-1985, Fe 415/500 GRADE.
- GRADE OF CONCRETE SHALL BE AS FOLLOWS :-  
RCC WORKS --- M 25
- USING 20 mm MAX SIZE GRADED HARD STONE AGGEREGATE OF APPROVED QUALITY.
- THE EXISTING DIMENSIONS AND THE STRUCTURAL MEMBERS ARE TO BE VERIFIED AT SITE.
- WHILE EXECUTING/FABRICATING THE ACTUAL DIMENSIONS SHALL BE FOLLOWED AS PER SITE CONDITIONS.
- FLOORING DETAILS SHALL BE DECIDED BY FIELD ENGINEERS DULY CONSIDERING THE SOIL STRATA.

#### SPECIFICATIONS :

- ALL BRICK WORKS SHALL BE WITH 9" THK. BRICK WORK WITH CM 1:6.
- SHEETING:**  
ROOFING AND CLADDING: COLOUR COATED ROOFING SHEETS.  
NATURAL LIGHTING : 25% OF ROOF WITH EMBOSSED POLYCARBONATE SHEETS.
- FLOORING :** VACCUM DEWATERED FINISH (VDF) (INDUSTRIAL FLOORING WITH NON-METALLIC HARDENER.
- ALL STEEL SHALL CONFORMS TO IS : 2062.
- ALL STEEL FABRICATION SHALL BE DONE AS PER IS:2007-2007.
- ALL BOLTS AND NUTS SHALL CONFORM TO IS:3757 OF 1992.

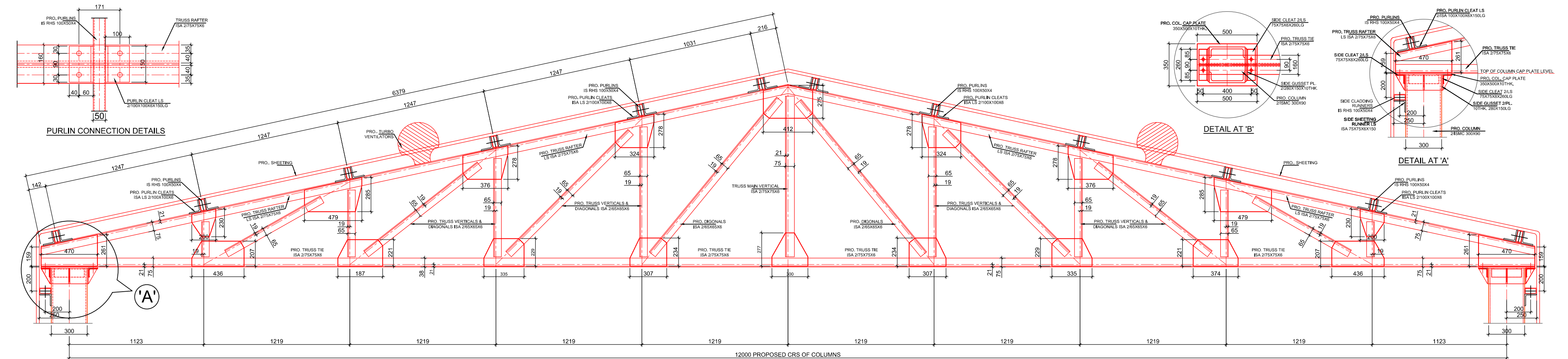
#### BEML LIMITED

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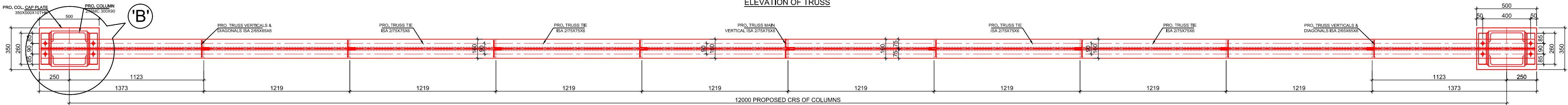
**PROPOSED CONSTRUCTION OF SERVICE  
STORE SHED OF SIZE 13.50MX12.0M IN  
PLOT NOS. B-14 & B-23 SITUATED AT  
TSIC ESTATE, MOULALI INDUSTRIAL  
AREA, R.R. DISTRICT, TELANGANA STATE.**

#### DETAILS OF COLUMNS

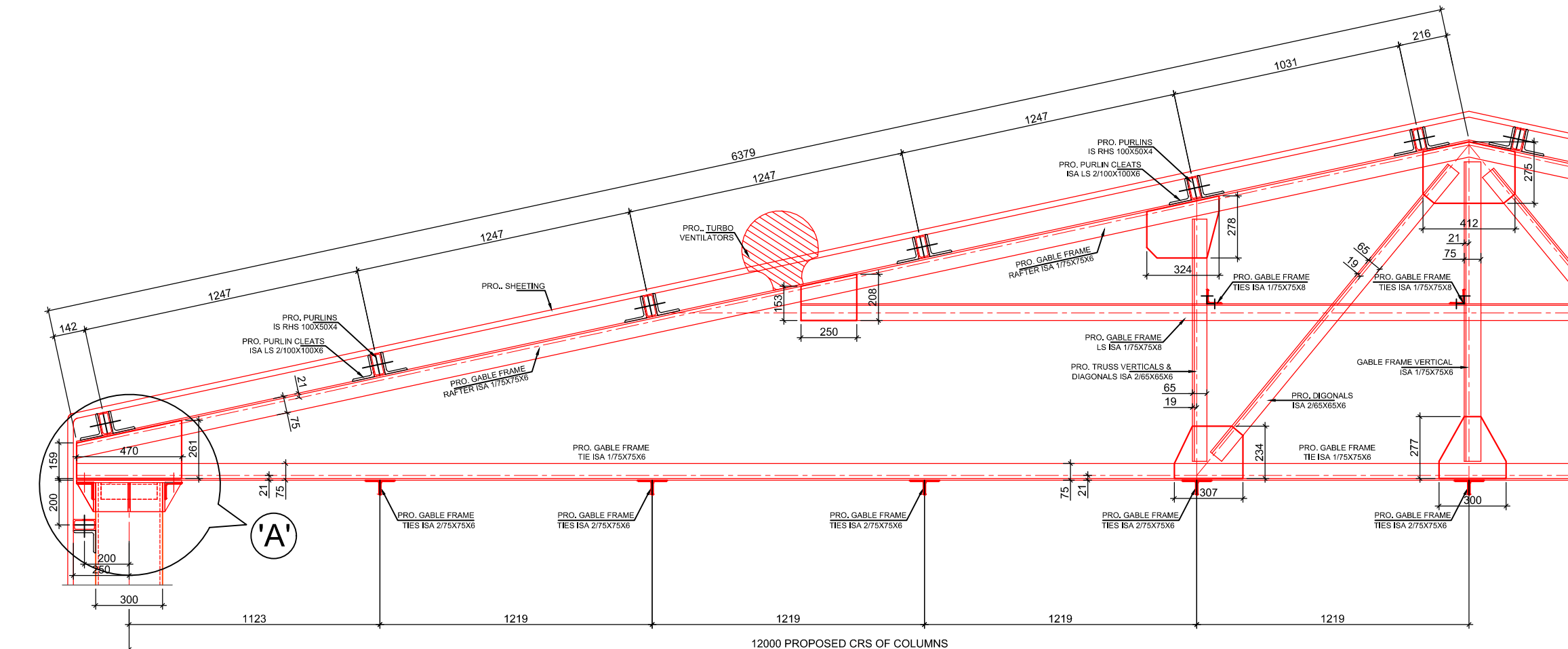
SCALE: 1:100 & 1:400



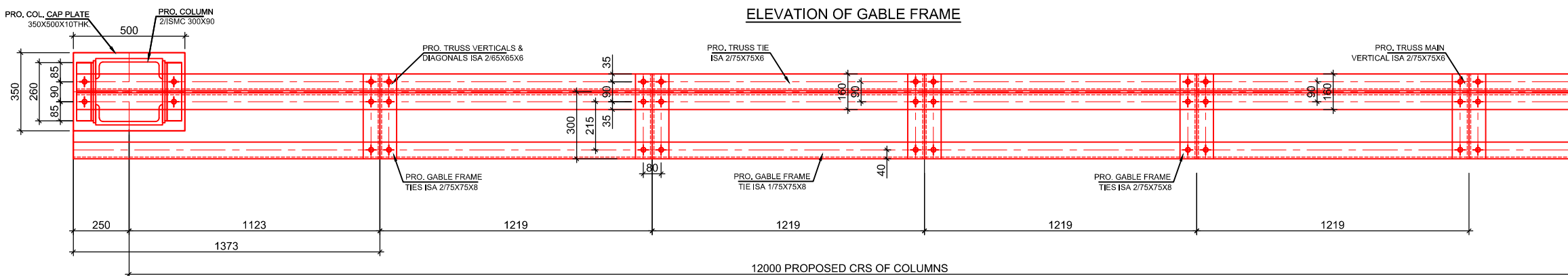
ELEVATION OF TRUSS



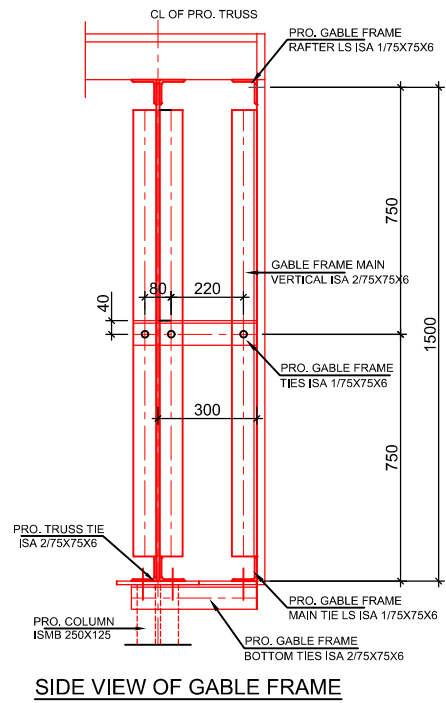
PLAN VIEW OF TRUSS



ELEVATION OF GABLE FRAME



PLAN VIEW OF GABLE FRAME

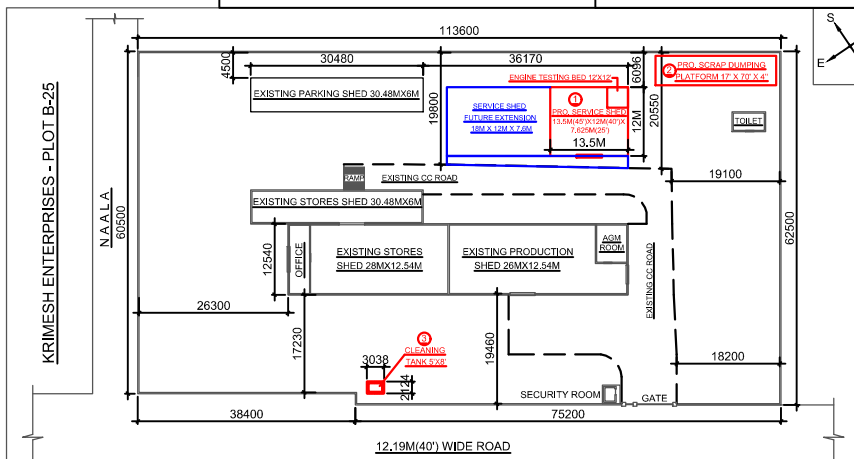


SIDE VIEW OF GABLE FRAME

ALL COLUMNS ARE ISMB 250X125  
ALL SIDE CLADDING RUNNERS ARE IS RHS 100X50X4  
ALL PURLIN CLEATS ARE ISA 100X100X10  
TRUSS:-  
TRUSS TIE AND RAFTER MEMBERS ARE 2/LS 75X75X6  
ALL TRUSS WEB MEMBERS ARE 2/LS 65X65X6  
ALL PURLINS ARE IS RHS 100X50X4

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Sriramoju Eshwar  
Civil Engineer & Structural Consultant



LAYOUT PLAN SHOWING PROPOSED WORKS AT BEML, MOULALI.

- GENERAL NOTES:-**
1. ALL DIMENSIONS ARE IN MILLIMETERS.
  2. PROPOSALS ARE SHOWN IN **RED**.
  3. ALL WELD ARE 6/8MM FILLET TO BE DONE AS PER CODE I.S.816 FOR ELECTRIC ARC WELDING.
  4. ALL FASTENERS ARE 20-DIA IN 22-DIA HOLES.
  5. REINFORCEMENT IS OF HYSD BARS CONFORMING TO IS 1786-1985, Fe 415/500 GRADE.
  6. GRADE OF CONCRETE SHALL BE AS FOLLOWS :-  
RCC WORKS --- M 25
  7. USING 20 mm MAX SIZE GRADED HARD STONE AGGREGATE OF APPROVED QUALITY.
  8. THE EXISTING DIMENSIONS AND THE STRUCTURAL MEMBERS ARE TO BE VERIFIED AT SITE.
  9. WHILE EXECUTING/FABRICATING THE ACTUAL DIMENSIONS SHALL BE FOLLOWED AS PER SITE CONDITIONS.
  10. FLOORING DETAILS SHALL BE DECIDED BY FIELD ENGINEERS DULY CONSIDERING THE SOIL STRATA.

- SPECIFICATIONS :**
1. ALL MASONRY WORKS SHALL BE WITH COURSE RUBBLE STONES.
  2. **SHEETING:**  
ROOFING AND CLADDING: COLOUR COATED ROOFING SHEETS.  
NATURAL LIGHTING : 25% OF ROOF WITH EMBOSSED POLYCARBONATE SHEETS.
  3. **FLOORING:** : VACUUM DEWATERED FINISH (VDF) (INDUSTRIAL FLOORING WITH NON-METALLIC HARDENER ON M20 PCC.
  4. ALL STEEL SHALL CONFORMS TO IS : 2062.
  5. ALL STEEL FABRICATION SHALL BE DONE AS PER IS:800-2007.
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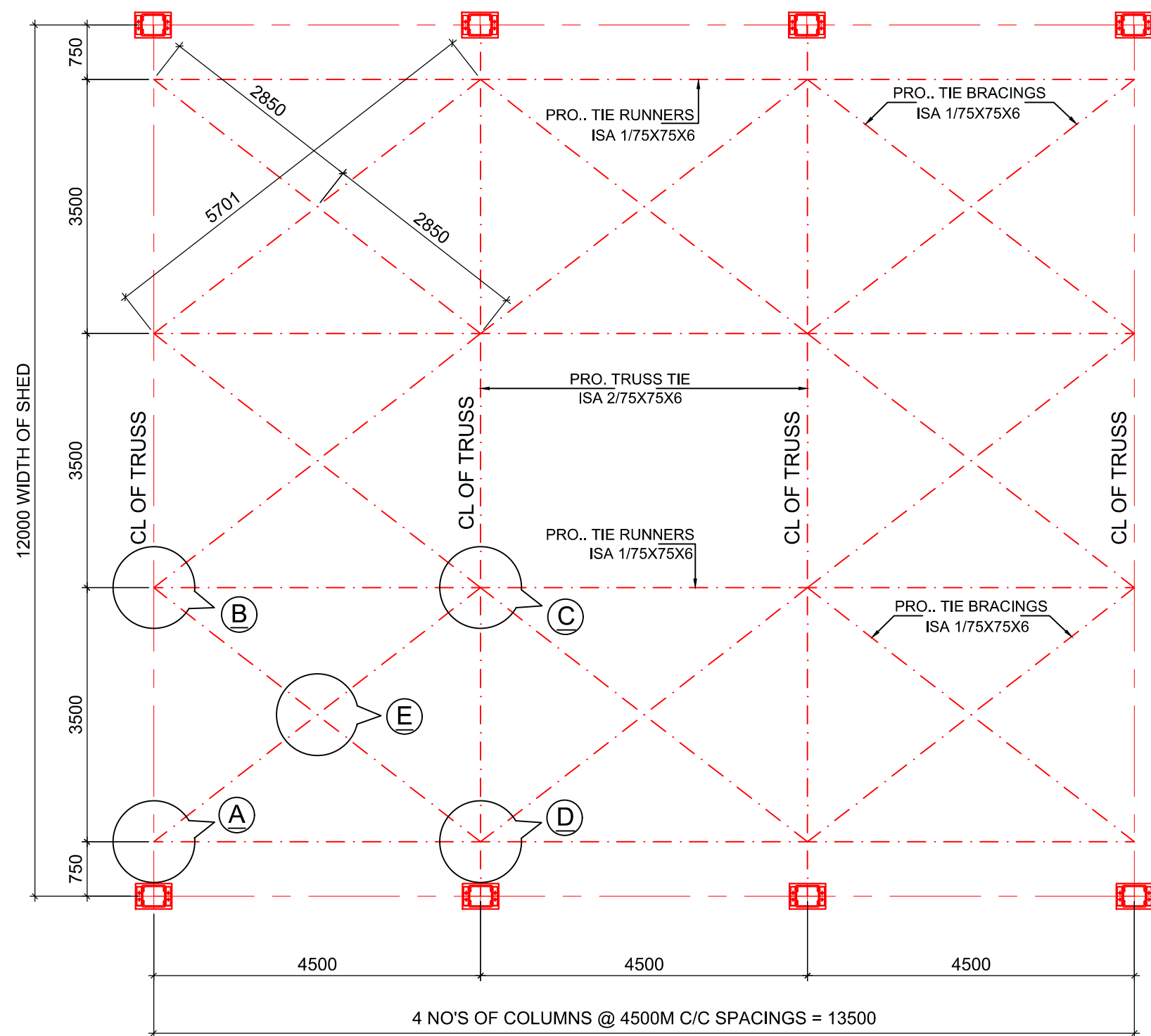
**BEML LIMITED**  
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**PROPOSED CONSTRUCTION OF SERVICE  
STORE SHED OF SIZE 13.50MX12.0M IN  
PLOT NOS. B-14 & B-23 SITUATED AT  
TSIIC ESTATE, MOULALI INDUSTRIAL  
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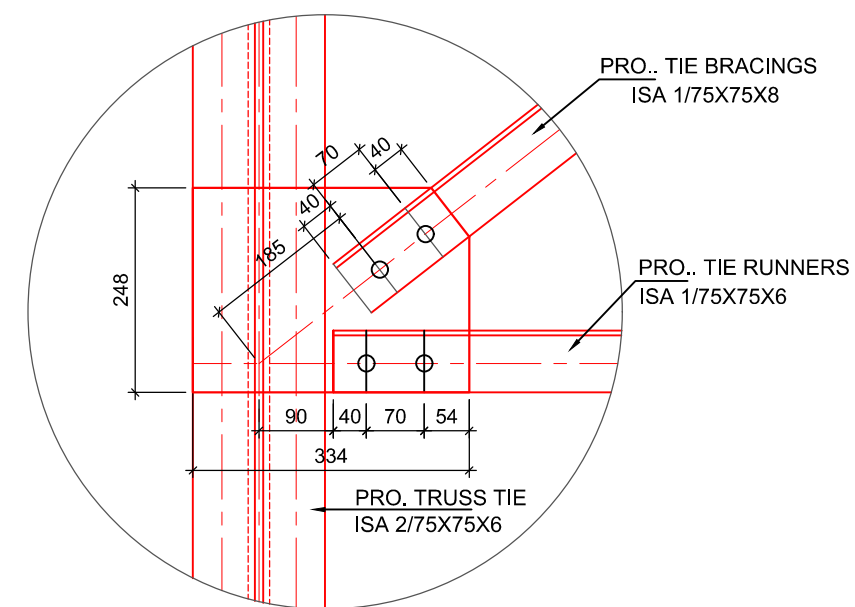
**DETAILS OF TRUSS & GABLE FRAME**

SCALE: 1:100 & 1:400

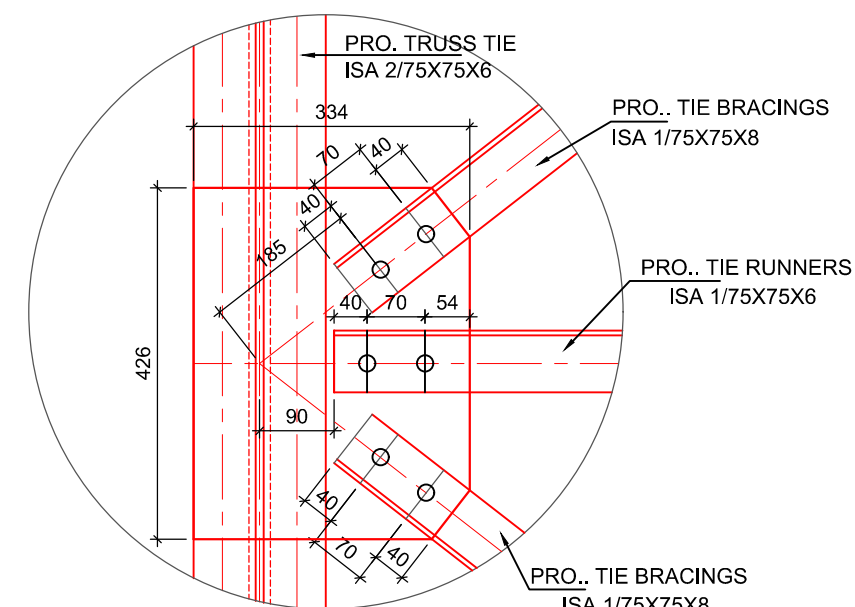




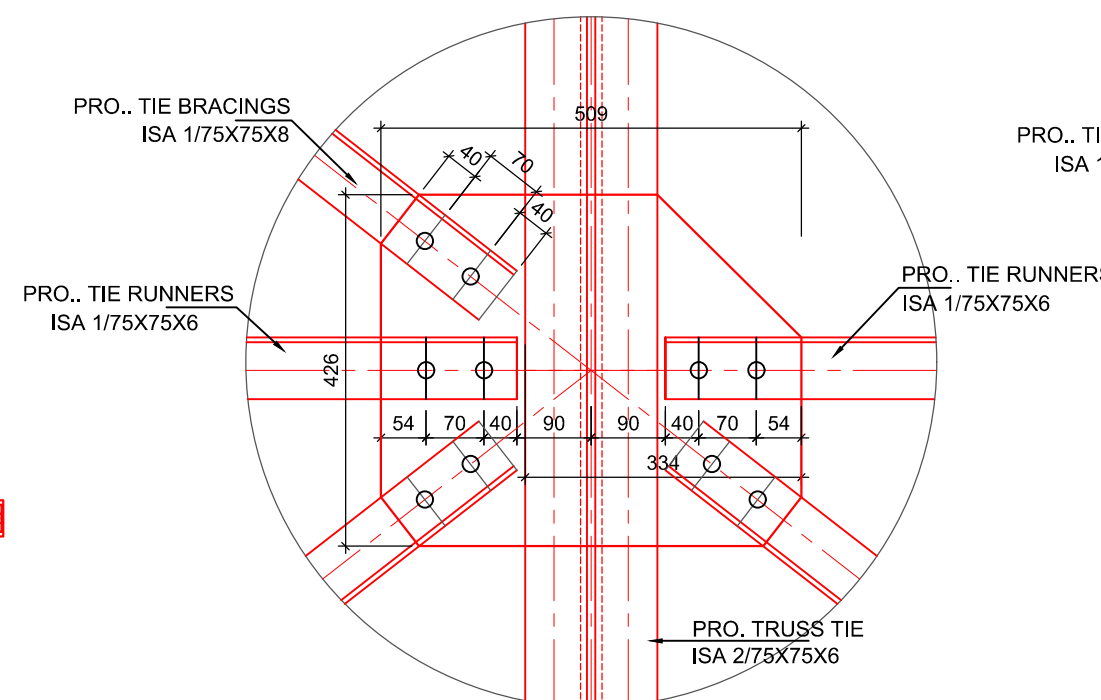
**KEY PLAN SHOWING ROOF LEVEL BRACINGS AND TIES**



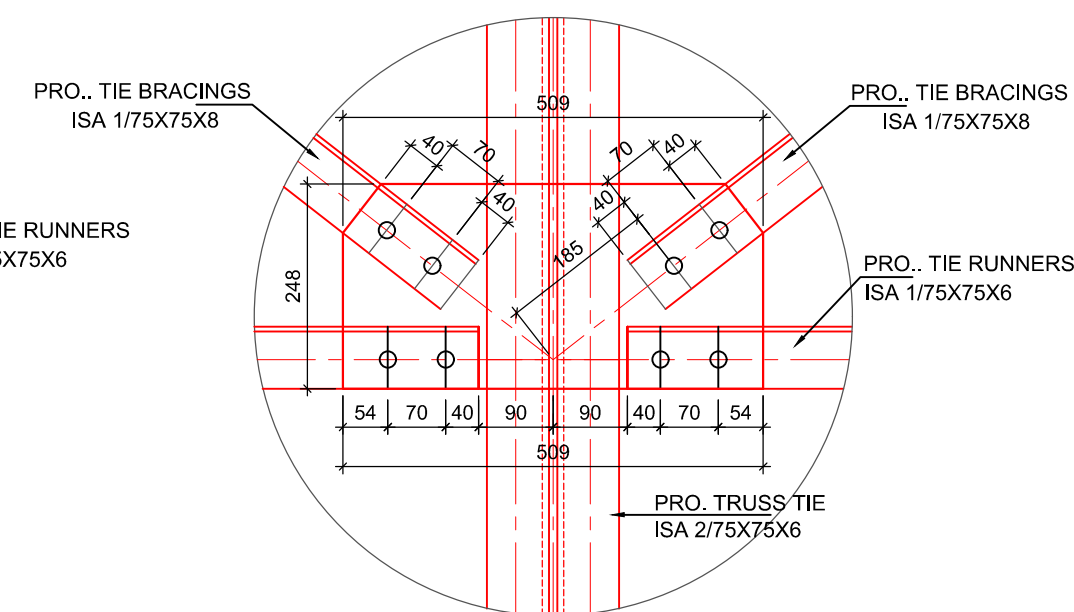
**DETAIL AT 'A'**



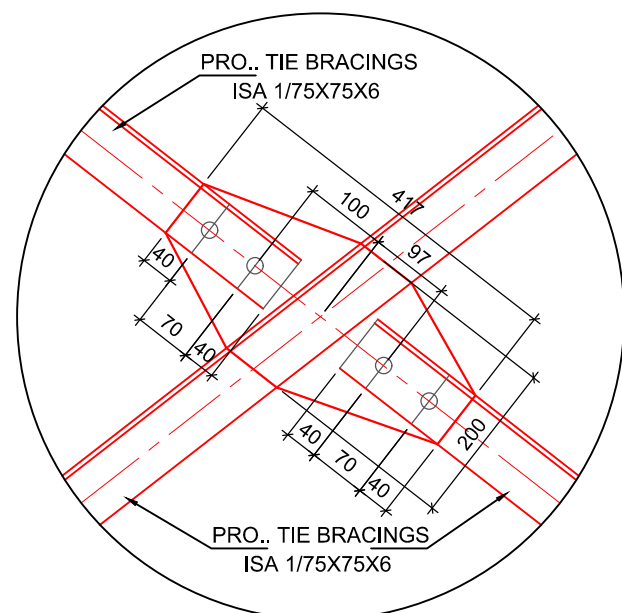
**DETAIL AT 'B'**



**DETAIL AT 'C'**



**DETAIL AT 'D'**



**DETAIL AT 'E'**

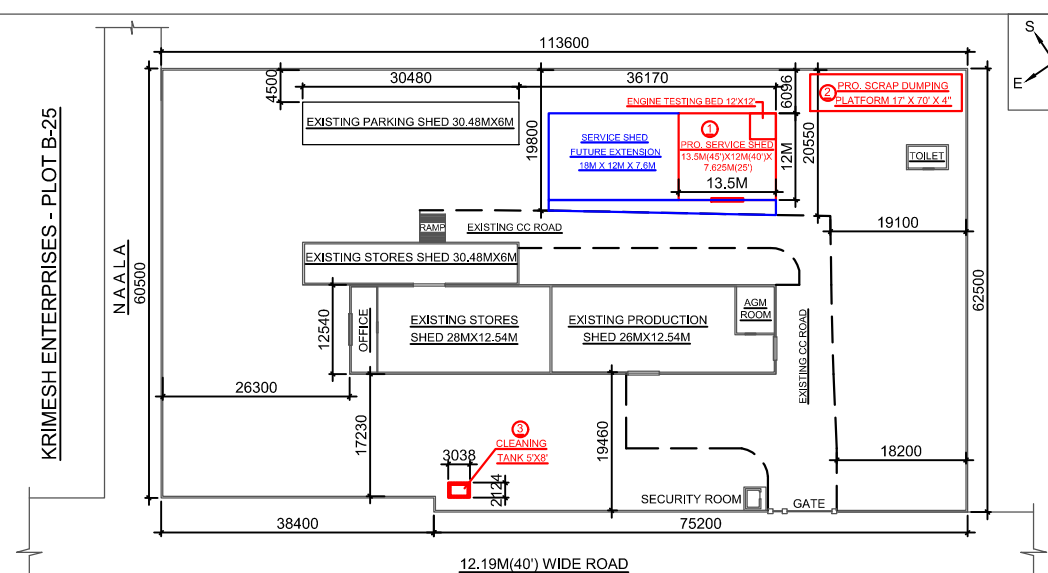
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5. ALL STEEL FABRICATION SHALL BE DONE AS PER IS:800-2007.
6. ALL BOLTS AND NUTS SHALL CONFORM TO IS:3757 OF 1992.

ALL TIE BRACINGS ARE ISA 1/75X75X6  
ALL TIE RUNNERS ARE ISA 1/75X75X6  
ALL PURLIN CLEATS ARE ISA 100X100X6  
**TRUSS:-**  
TRUSS TIE AND RAFTER MEMBERS ARE 2/LS 75X75X6  
ALL TRUSS WEB MEMBERS ARE 2/LS 65X65X6  
ALL PURLINS ARE IS RHS 100X50X4



**LAYOUT PLAN SHOWING PROPOSED WORKS AT BEML, MOULALI.**

**DRAWN BY:**

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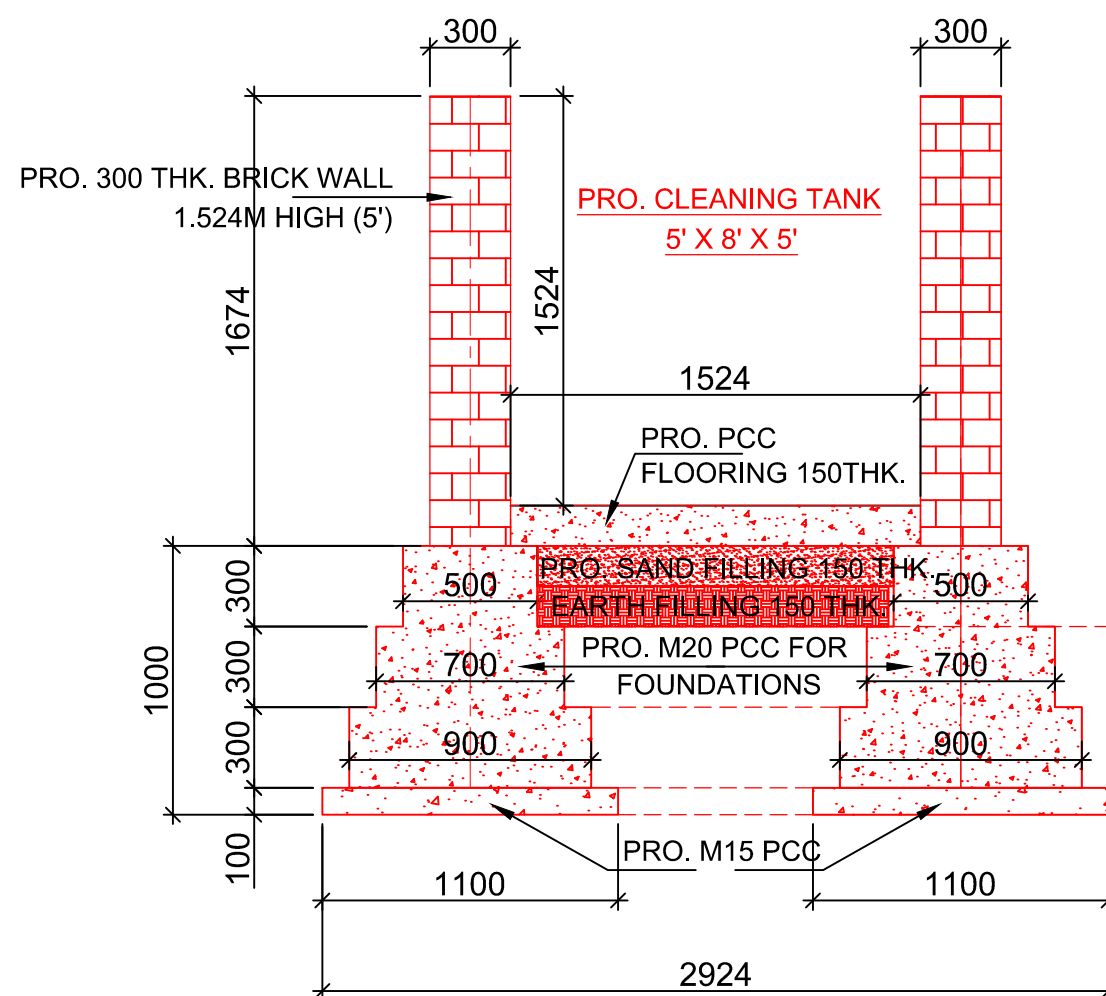
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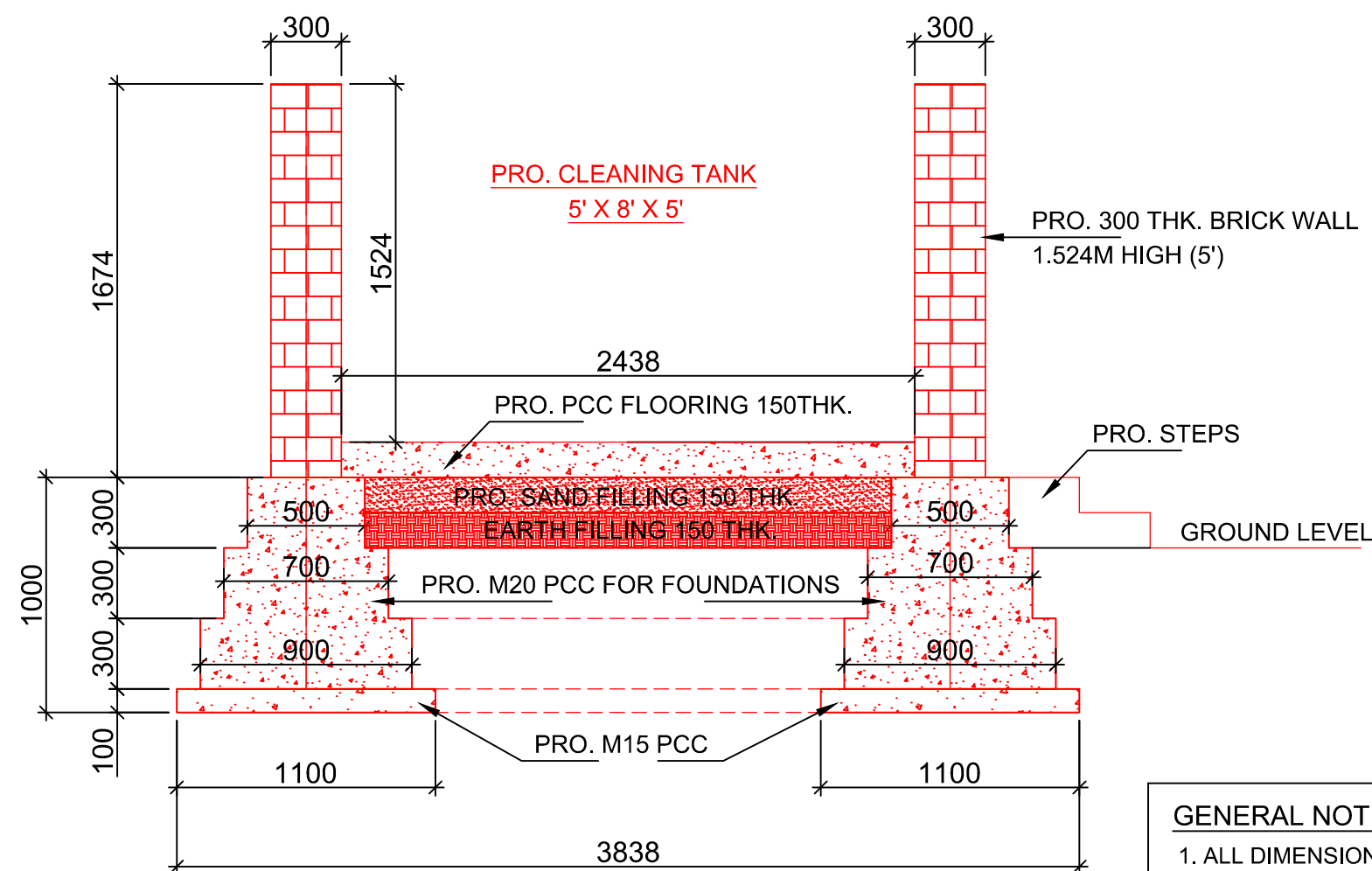
**PROPOSED CONSTRUCTION OF SERVICE  
STORE SHED OF SIZE 13.50MX12.0M IN  
PLOT NOS. B-14 & B-23 SITUATED AT  
TSIC ESTATE, MOULALI INDUSTRIAL  
AREA, R.R. DISTRICT, TELANGANA STATE.**

**DETAILS OF TIE LEVEL BRACINGS**

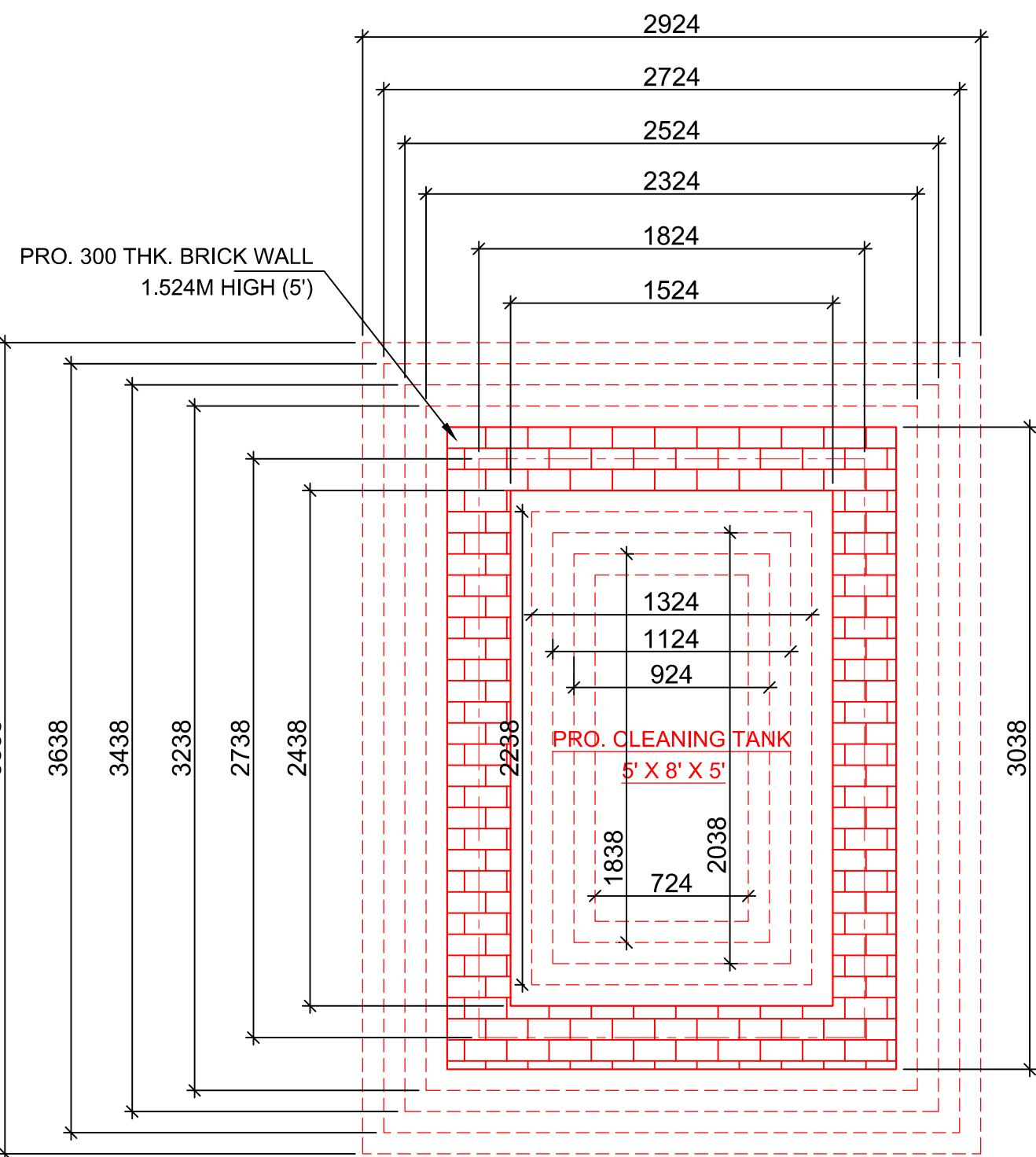
**SCALE: 1:100 & 1:400**



ELEVATION OF THE CLEANING TANK

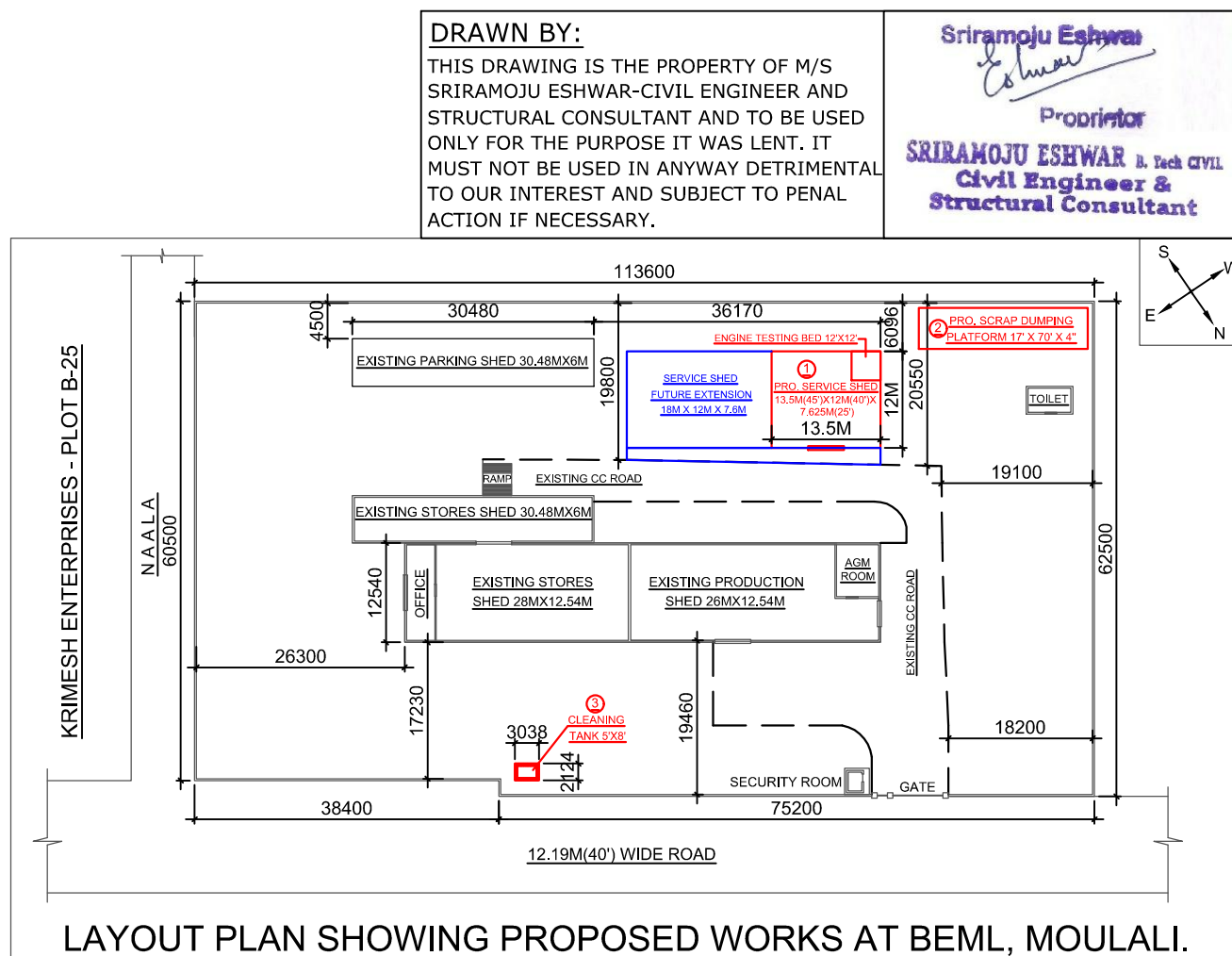


SECTION ON A - A



PLAN VIEW OF THE CLEANING TANK

- PROPOSED SCOPE OF WORK:**
1. PRO. CONSTRUCTION OF SERVICE SHED OF SIZE 13.5M(45') X 12M(40') X 7.625M(25') AND PRO. CONSTRUCTION OF ENGINE TESTING PLATFORM INSIDE SERVICE SHED OF SIZE 12' X 12'
  2. PRO. CONSTRUCTION OF SCRAP DUMPING PLATFORM OF SIZE 17' X 70' X 4"
  3. PRO. CONSTRUCTION OF CLEANING TANK OF SIZE 5' X 8' X 5'



LAYOUT PLAN SHOWING PROPOSED WORKS AT BEML, MOULALI.

**GENERAL NOTES:-**

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2. PROPOSALS ARE SHOWN IN **RED**
3. ALL WELD ARE 6/8MM FILLET TO BE DONE AS PER CODE I.S.816 FOR ELECTRIC ARC WELDING.
4. ALL FASTENERS ARE 20-DIA IN 22-DIA HOLES.
5. REINFORCEMENT IS OF HYSD BARS CONFORMING TO IS 1786-1985, Fe 415/500 GRADE.
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RCC WORKS → M 25
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10. FLOORING DETAILS SHALL BE DECIDED BY FIELD ENGINEERS DULY CONSIDERING THE SOIL STRATA.

**SPECIFICATIONS :**

1. ALL BRICK WORKS SHALL BE WITH 12" THK. BRICK WORK WITH CM 1:6.
2. SHEETING:  
ROOFING AND CLADDING: COLOUR COATED ROOFING SHEETS.  
NATURAL LIGHTING : 25% OF ROOF WITH EMBOSSED POLYCARBONATE SHEETS.
3. FLOORING : VACCUM DEWATERED FINISH (VDF) (INDUSTRIAL FLOORING WITH NON-METALLIC HARDENER ON M20 PCC.
4. ALL STEEL SHALL CONFORMS TO IS : 2062.
5. ALL STEEL FABRICATION SHALL BE DONE AS PER IS:800-2007.
6. ALL BOLTS AND NUTS SHALL CONFORM TO IS:3757 OF 1992.

**BEML LIMITED**

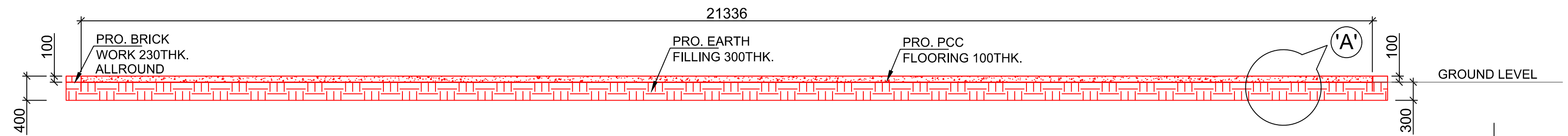
(Formerly As M/S. BHARAT EARTH MOVERS LIMITED)  
(Government Of India, Ministry of Defence)

**PROPOSED CONSTRUCTION OF CLEANING TANK OF SIZE 5'X8'X5' IN PLOT NOS. B-14 & B-23 SITUATED AT TSIIC ESTATE, MOULALI INDUSTRIAL AREA, R.R. DISTRICT, TELANGANA STATE.**

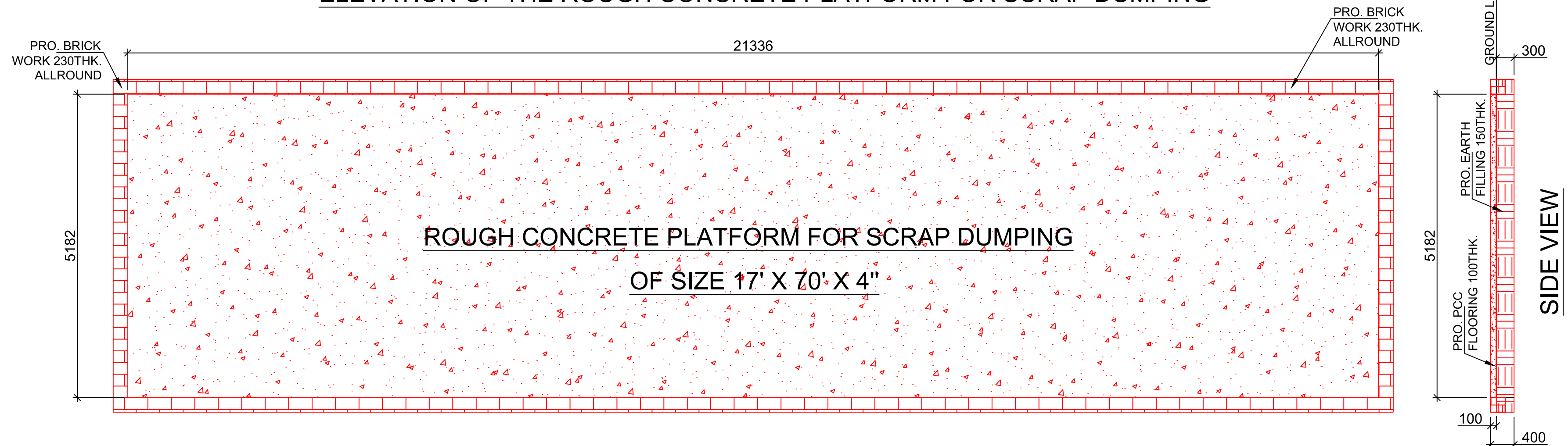
**GENERAL ARRANGEMENT DRAWING AND FOUNDATIONS**

SCALE: 1:100 & 1:400





ELEVATION OF THE ROUGH CONCRETE PLATFORM FOR SCRAP DUMPING



PLAN VIEW OF THE ROUGH CONCRETE PLATFORM FOR SCRAP DUMPING

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. PROPOSALS ARE SHOWN IN **RED**
3. ALL WELD ARE 6/8MM FILLET TO BE DONE AS PER CODE I.S.816 FOR ELECTRIC ARC WELDING.
4. ALL FASTENERS ARE 20-DIA IN 22-DIA HOLES.
5. REINFORCEMENT IS OF HYSD BARS CONFORMING TO IS 1786-1985, Fe 415/500 GRADE.
6. GRADE OF CONCRETE SHALL BE AS FOLLOWS :-  
RCC WORKS — M 25
7. USING 20 mm MAX SIZE GRADED HARD STONE AGGEREGATE OF APPROVED QUALITY.
8. THE EXISTING DIMENSIONS AND THE STRUCTURAL MEMBERS ARE TO BE VERIFIED AT SITE.
9. WHILE EXECUTING/FABRICATING THE ACTUAL DIMENSIONS SHALL BE FOLLOWED AS PER SITE CONDITIONS.
10. FLOORING DETAILS SHALL BE DECIDED BY FIELD ENGINEERS DULY CONSIDERING THE SOIL STRATA.

SPECIFICATIONS :

1. ALL BRICK WORKS SHALL BE WITH 12" THK. BRICK WORK WITH CM 1:6.
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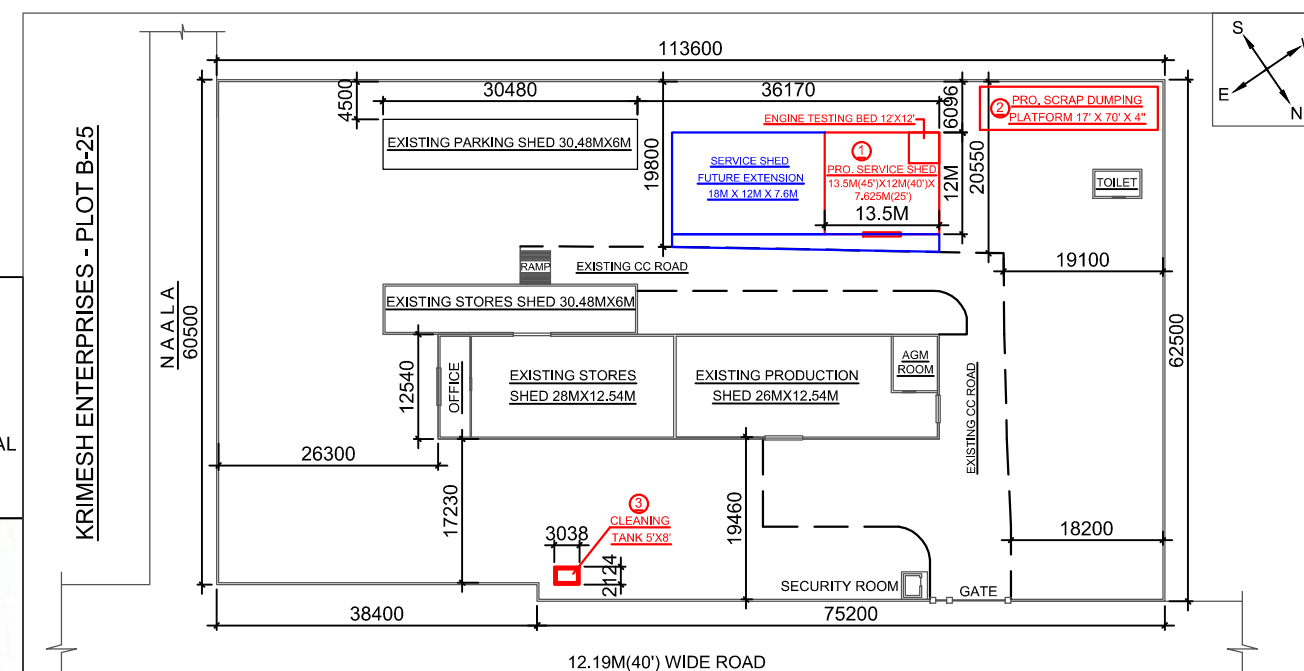
PROPOSED SCOPE OF WORK:

1. PRO. CONSTRUCTION OF SERVICE SHED OF SIZE 13.5M(45') X 12M(40') X 7.625M(25') AND  
PRO. CONSTRUCTION OF ENGINE TESTING PLATFORM INSIDE SERVICE SHED OF SIZE 12' X 12'
2. PRO. CONSTRUCTION OF SCRAP DUMPING PLATFORM OF SIZE 17' X 70' X 4"
3. PRO. CONSTRUCTION OF CLEANING TANK OF SIZE 5' X 8' X 5'

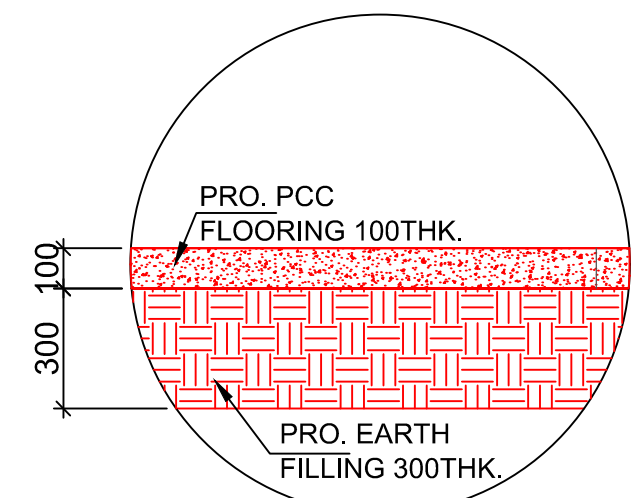
DRAWN BY:

THIS DRAWING IS THE PROPERTY OF M/S SRIRAMOJU ESHWAR-CIVIL ENGINEER AND STRUCTURAL CONSULTANT AND TO BE USED ONLY FOR THE PURPOSE IT WAS LENT. IT MUST NOT BE USED IN ANYWAY DETRIMENTAL TO OUR INTEREST AND SUBJECT TO PENAL ACTION IF NECESSARY.

**Sriramaju Eshwar**  
Proprietor  
**SRIRAMOJU ESHWAR B. Tech CIVIL**  
Civil Engineer & Structural Consultant



LAYOUT PLAN SHOWING PROPOSED WORKS AT BEML, MOULALI.



DETAIL AT 'A'

**BEML LIMITED**

(Formerly As M/S. BHARAT EARTH MOVERS LIMITED)  
(Government Of India, Ministry of Defence)

**PROPOSED CONSTRUCTION OF ROUGH CC PLATFORM OF SIZE 17'X70'X4" FOR SCRAP DUMPING IN PLOT NO.B-14&B-23 SITUATED AT TSIIC ESTATE, MOULALI INDUSTRIAL AREA, R.R. DISTRICT, TELANGANA STATE.**

**GENERAL ARRANGEMENT DRAWING**

SCALE: 1:100 & 1:400