



METHOD STATEMENT
FOR
FIRE PROOFING WORK

Project : Fire Proofing Work at T-6945A GC[#]7 (BFT)

Owner : PTT Global Chemical Public Company Limited (GC7)

Contractor : The Seaboard D&C Company Limited.

A	15 JAN 2022	Issued for Review	Nattanon Ch.	KSC.	
Rev.	Date	Description	Prepared	Checked	Approved



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CONTRACTOR NAME: THE SEABOARD D&C CO., LTD.

POLICY STATEMENT

The corporate policy promoted by The seaboard D&C Co.,Ltd. is to provide the safe and healthy working environment for all personnel. The heart of over safety program is the firm commitment by all numbers of management and supervisor to prevent accidents and conditions that tent to injuries, damage the environment or result in loss as damage to property.

The commitment of The Seaboard D&C team to a goal of no lost time accidents on the project It is our philosophy that every accident is preventable, zero accidents is the realizable goal and that we, as construction professional can be satisfied with nothing less.

METHOD STATEMENT FOR: FIRE PROOFING WORK FENDOLITE M II

A. STATEMENT OF WORK TO BE PERFORMED

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B. REFERENCES: THE SEABOARD D&C EXECUTION PLAN



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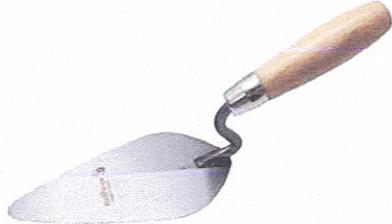
C. SCOPE:

This method statement shall be applied to the fireproofing at T-6945A GC[#]7(BFT)

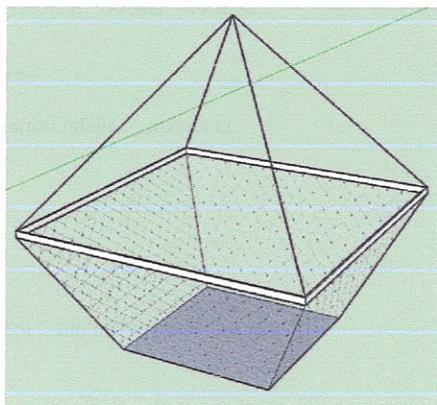
1. Equipment Required

1	Hand tools		
	<ul style="list-style-type: none">- Hand extraction 	6	Set.
	<ul style="list-style-type: none">- Jack Hammer 	6	No.
	<ul style="list-style-type: none">- Hammer 	4	Set.
	<ul style="list-style-type: none">- Plastering trowel 	15	Set.

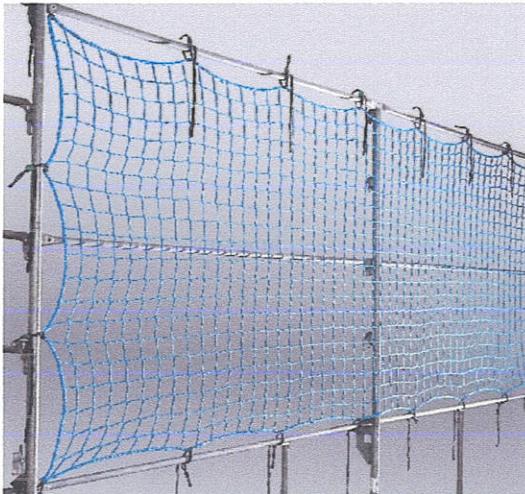
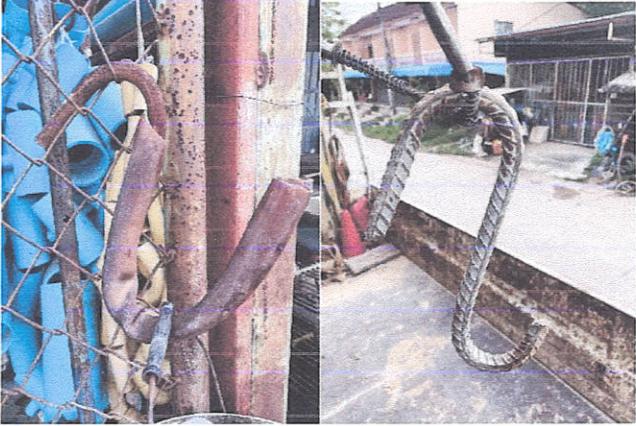
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	- Lampshade trowel 	15	Set.
	- Bucket Plastic 	20	Set.
	- Steel Scissor 	3	Set.
	- Gridder 4" 	2	Set.

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	- Bucket Hand tools		
		3	Set.
	- Bucket scarp		
		3	Set.
	- Safety harness		
		1	Lot.

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	- Safety net		1	Set.
	- Blue Sheet		1	Lot.
	- Hooks		30	No.



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	- Lifting hoist Maximum 500 kg.		
	A blue-toned photograph of a large lifting hook with a metal shackle attached.	3	Set.
2	Hiab truck (5 Tons) A white Hiab truck with a blue lattice-boom crane mounted on its flatbed. The crane's booms are extended upwards.	1	No.
3	Concrete Mixer A red concrete mixer truck with four black tires and a white 'Marton' logo on the side.	4	Ea.



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	Water tank 200L.		
4		8	No.
	Hose		
5		1	Lot.
	Mat Sheet		
6		1	Set.



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7	Generator 35 KVA 	1	Set.
8	Air Compressor 	3	Set.
9	Spray concrete pump 	3	Set.



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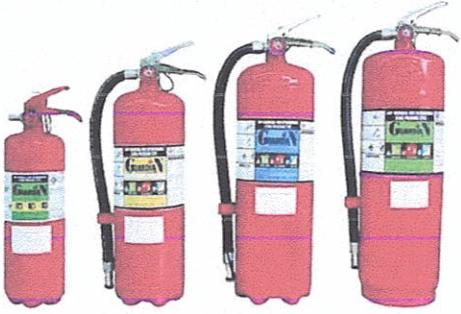


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10	Fire Extinguisher (10A 40B) 	8	No.
11	Cart 	3	No.
12	Nylon rope 20mm. (With Hoist) 	1	Lot.



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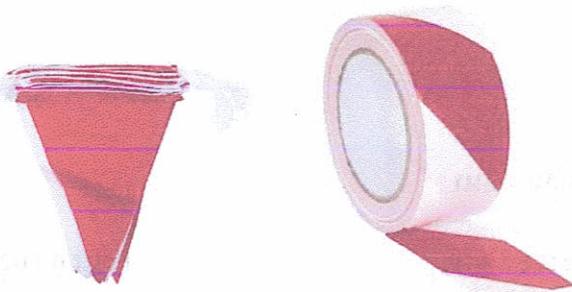
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13	Rope 16 mm. (With Hiab truck)		1	Lot.
14	Gas Detector		1	No.
15	Barricade tape (Red & White)		1	Lot.



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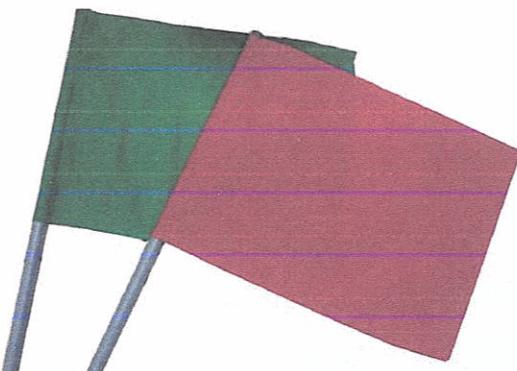
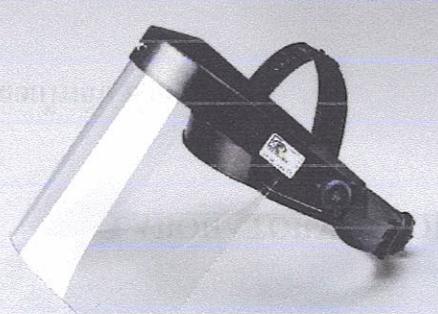
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	Flag (Green & Red)		
16		2	Set.
17		1	Lot.
18		1	Lot.



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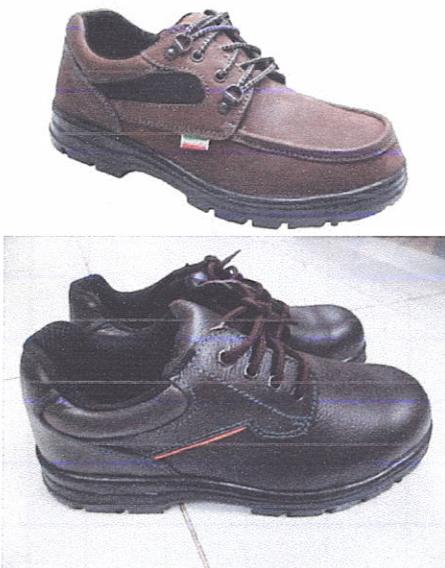


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19	Safety glasses 	1	Lot.
20	Leather Glove / Rubber Glove 	1	Lot.
21	Safety Shoes 	1	Lot.



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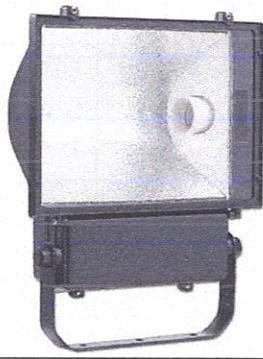


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22	Spotlight		8	No.
23	Manual fuel pump		1	No.



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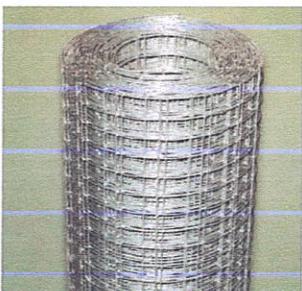
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2. Materials

Item	Material	Description
2.1.	Promat Cefco Fendolite M II  Promat Cefco FENDOLITE® MII Vermiculite & Portland Cement Based Wet Mix Spray FL-MII	Cementitious Fireproofing
2.2.	Substrate Preparation  Hydraflex 100 Water Resistant Bonding Agent and Reactive Mortar Improver	Water based synthetic latex, Key coat
2.3.	Galvanized Wire Mesh  	Galvanized Wire Mesh (Reinforcement) Mesh size 1" x 1"



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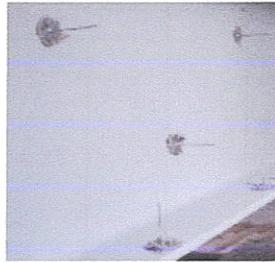
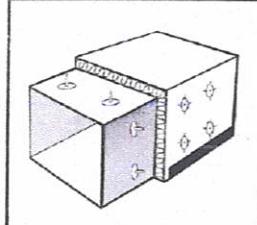


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2.4.	Pin Pin	 	Aluminum Alloy Pin, Ø 1.6mm. x 45mm.
2.5	Bond Adhesive Sikadur® -31 CF Normal 2-part thixotropic epoxy adhesive		2 – Part Epoxy Adhesive Epoxy sikadur % 31cf normal
2.6	Joint Sealant LANKO 603 POLYURETHANE Cempoof PU700 High performance single component liquid applied polyurethane waterproofing membrane	 	Polysulphide sealant and Polyurethane



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3. Sketches, Diagrams, Drawings. Forms

Pls. see attached.

4. Special Safety Requirements

- 4.1. All works shall comply with safety procedure follow GC site HSE.
- 4.2. The basic safety necessary to perform the site preparation are Personal protective equipment (PPE), Safety shoes, Safety helmet, Safety glasses.
- 4.3. Provides preventive measures against communicable diseases, Covid 19 throughout the work on the project.
 - Keep social distance
 - Provide adequate alcohol gel for employees.

5. Owner/Contractor Witness/Hold Points.

Owner: Global Chemical (GC7)

6. Third party Inspection Requirements

- None -



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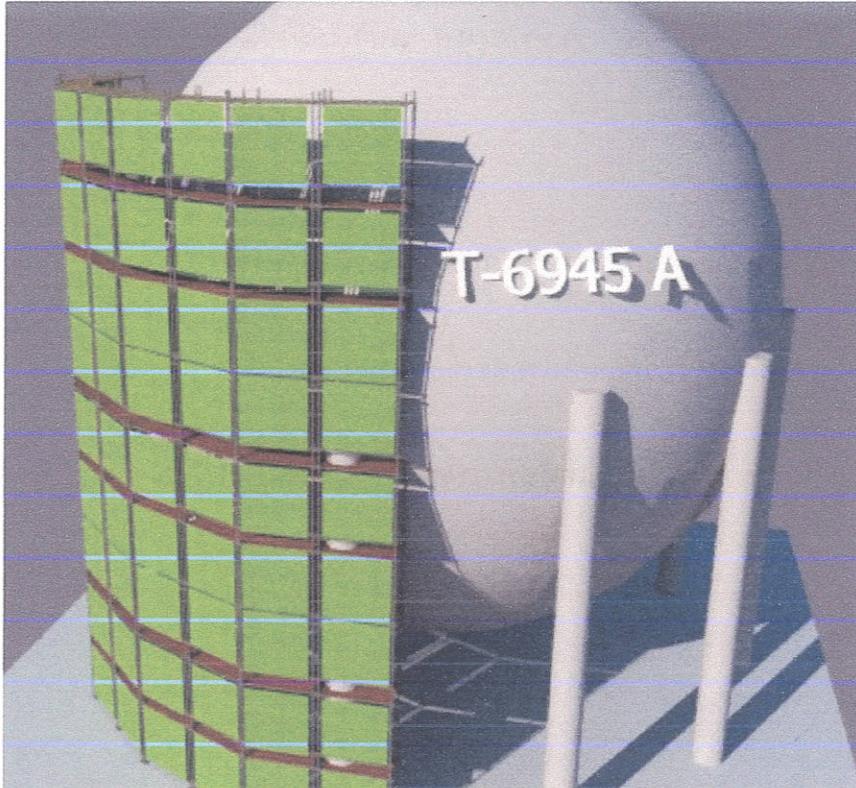
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7.Sequence of work

1. Install scaffolding T-6945 A by GC.



2. Install temporary net by Green net or blue sheet for protection dust.





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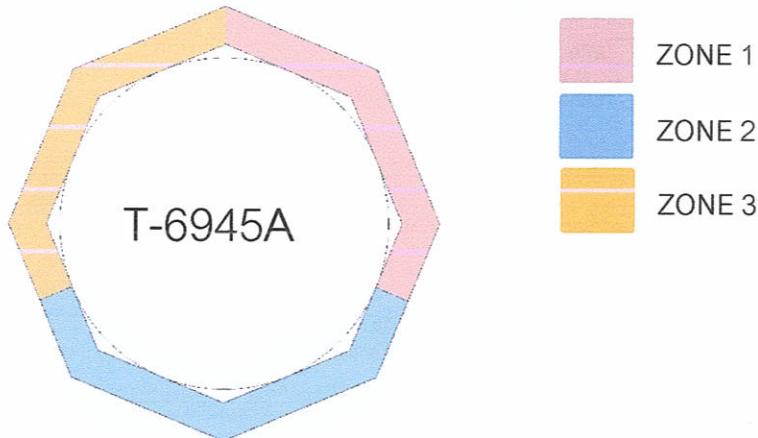
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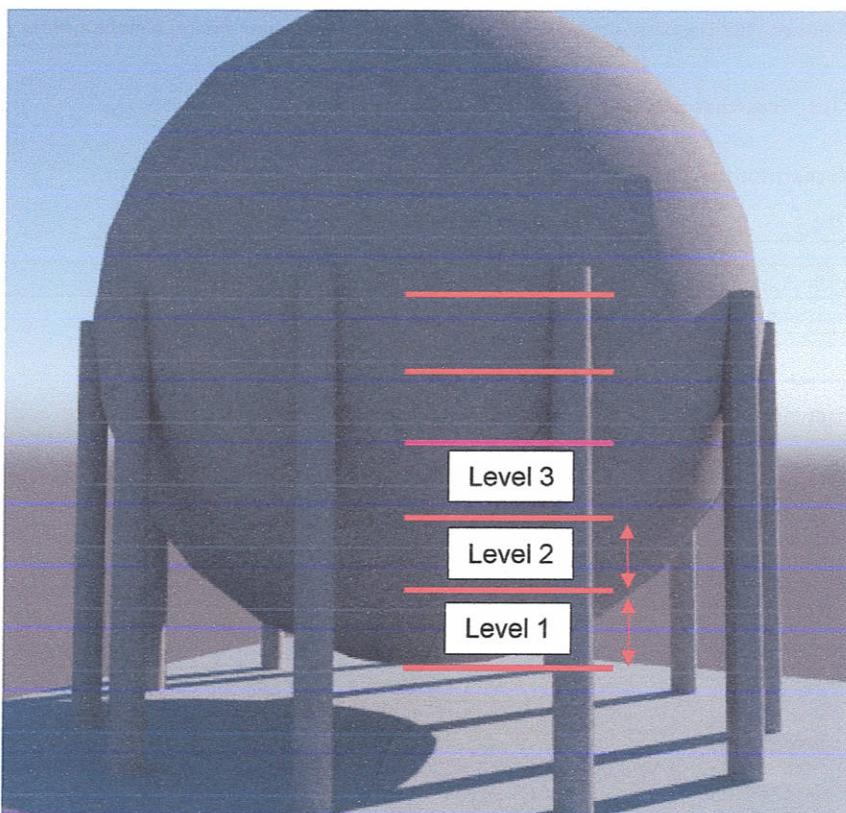
3. Working area



Working in T-6945A, there will be a total of 3 zones, each zone has 5 people.

In each zone there will be a moving scraps material and tools.

4. Demolish old fireproofing include wire mesh. Start extraction from the bottom up one by one. Have 2 type to demolish.

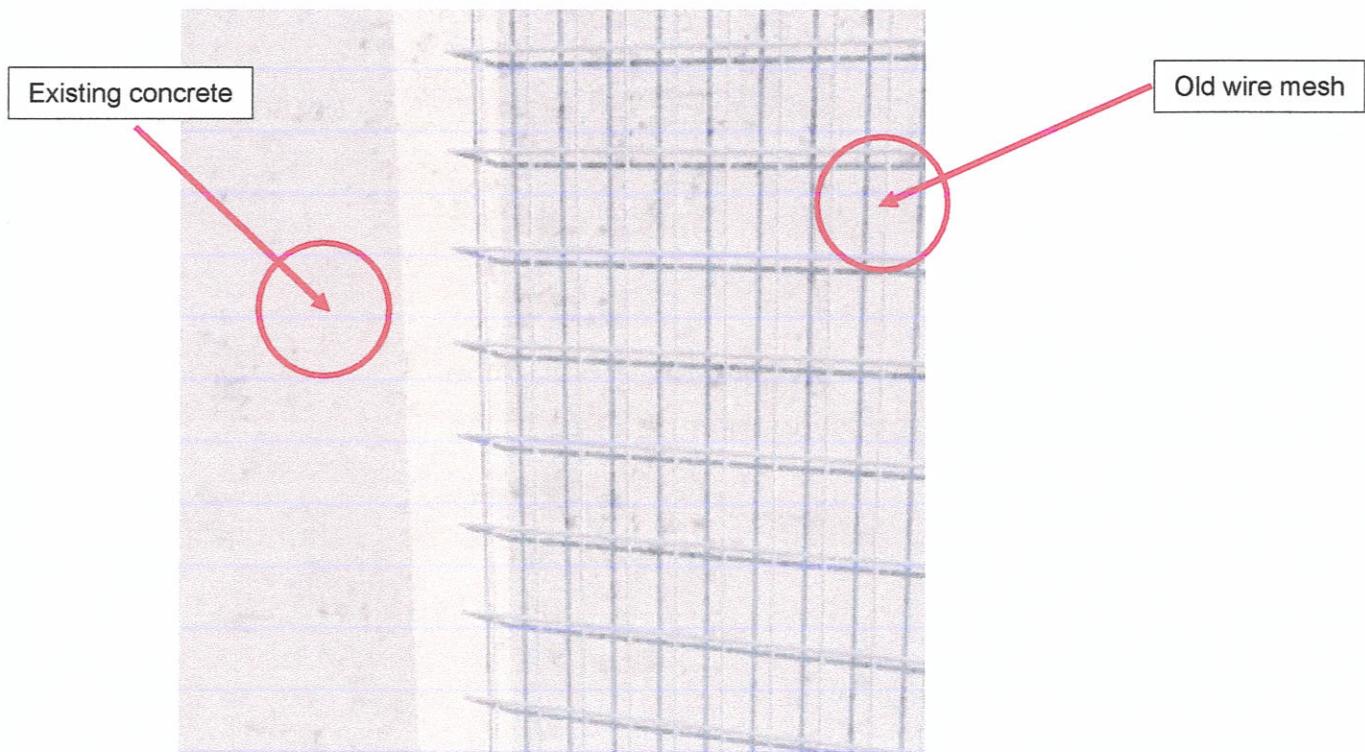


METHOD STATEMENT**Type 1**

1. Demolish old surface concrete Fireproof by Jack Hammer extract to wire mesh.



2. After the concrete surface has been extracted to the wire mesh. And must be cut along the line of wire mesh.



METHOD STATEMENT

3. Use Pliers cutting old wire mesh.



Line cutting wire mesh

4. Use crowbar tamper surface concrete layer 2 out of surface of Tank

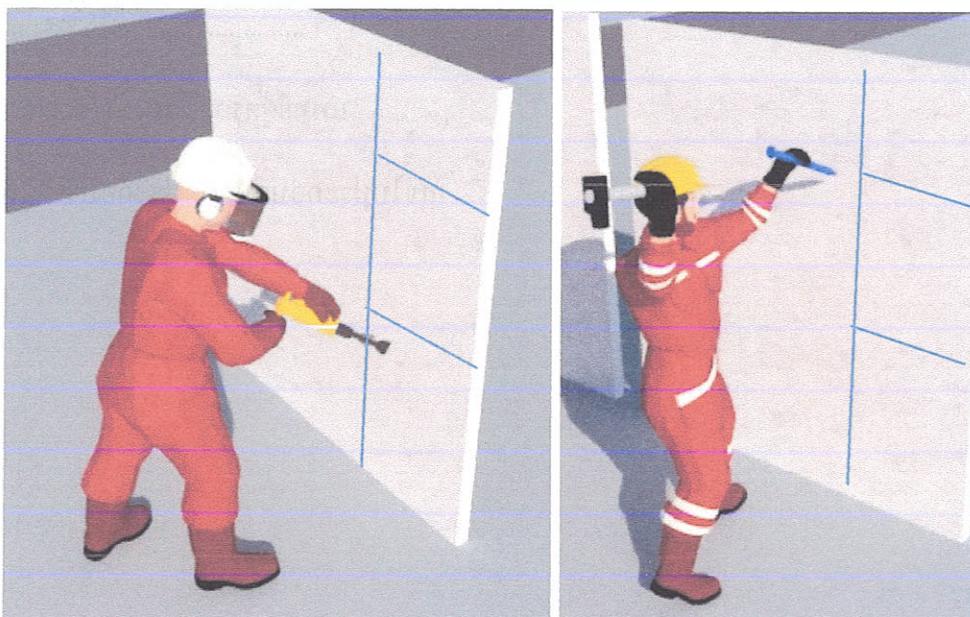


METHOD STATEMENTType 2

1. Use Circular saw cutter surface concrete for separate concrete and must cut depth 30 – 50 mm. to the wire mesh to size 300x300 to 500x500 mm.



2. Use Jack hammer or Extract hand demolition of concrete surface in cutting area.





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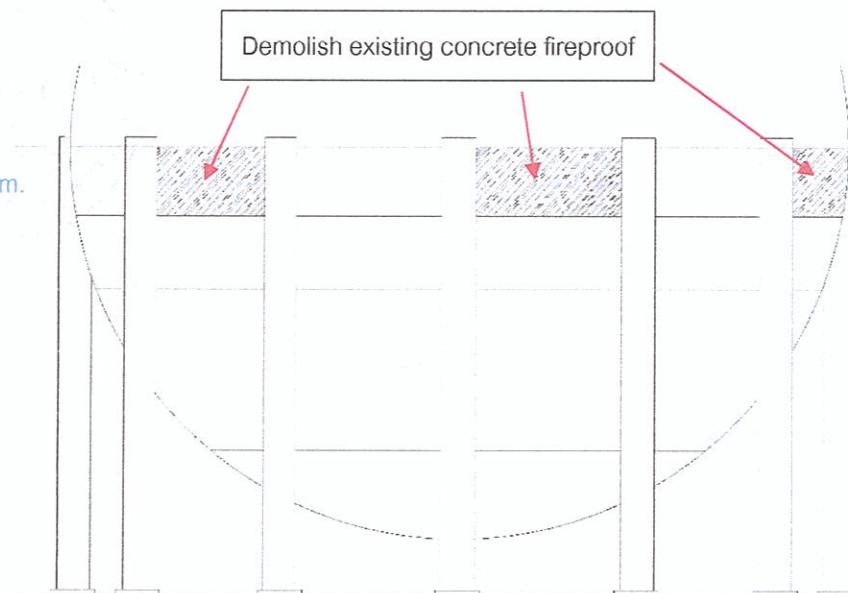
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3. Use a crowbar to dismantle concrete fireproof from surface of Tank.



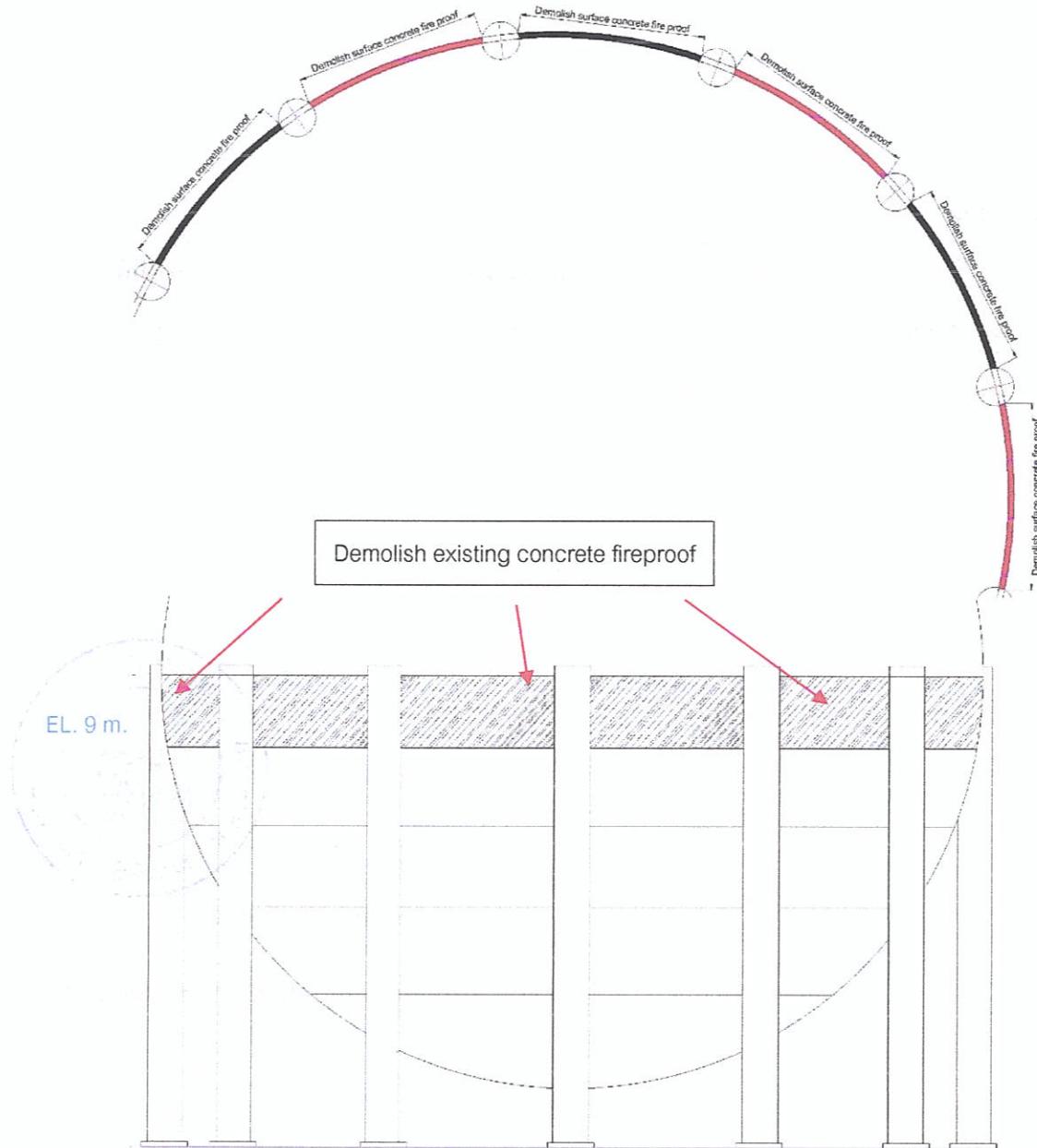
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5. Demolish old fireproofing, surface extraction, space of 4.5 m. After extracting around, then come to extract the remaining surface in a layer.



METHOD STATEMENT

5.1 Demolish old fireproofing, surface extraction remaining surface in a layer



5.2 After Demolish remaining concrete fireproof to use grinding cut concrete into smaller size or use jack hammer.

Remark. El.4-3 additional scaffolding needs to be installed in order to work.



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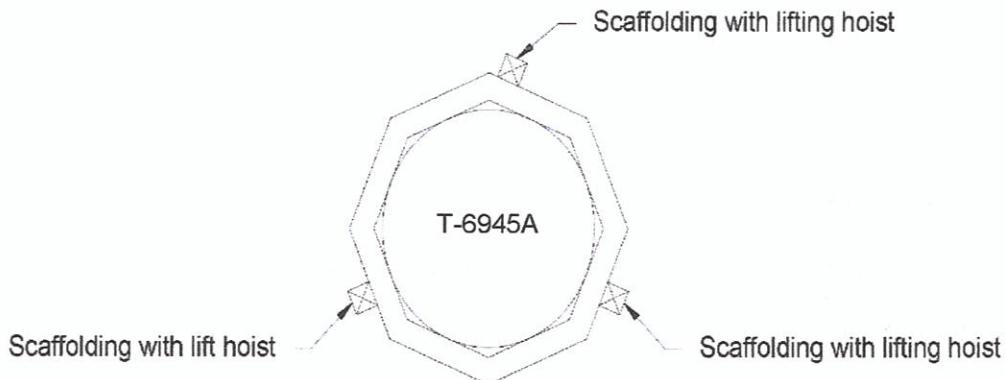
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5.3. Moving and collecting concrete scraps from the work area.



5.3.1 Collect scraps material in bucket and the weight must not exceed 30 kg.

5.3.2 Move to the specified point

5.3.3 Use lifting hoist to bring the sacks that collect scraps from the scaffolding.

5.3.4 Moving will have workers to move all the time to reduce the weight of the scaffolding.

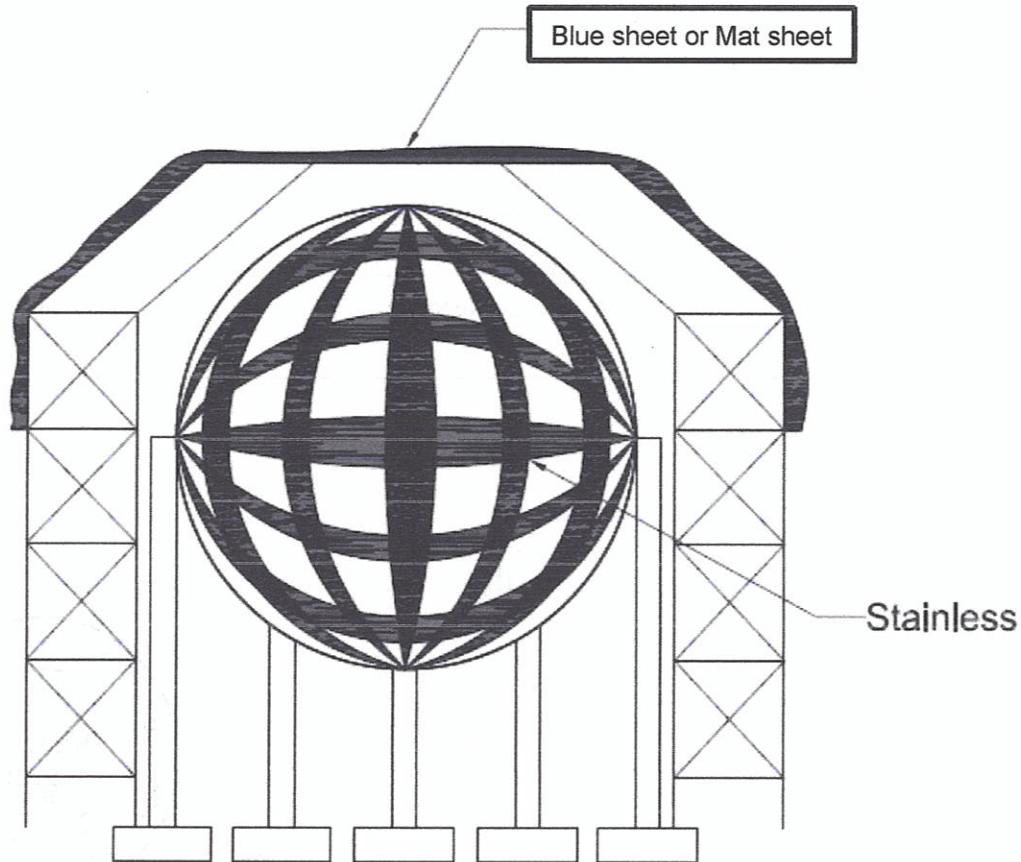
6. cleaning & painting by other team. (GC)

moving scrap materials from the working area. to stock yard area.



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7. Replace floating s/s and strapping band with gal u-profile if there're not available.



8. Fix Pin with bond adhesive

First Step : Cleaning and check primer.





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Second Step : Install pin By Epoxy (EPOXY SIKADUR % 31CF NORMAL) adhesive every 30 cm in Diamond Pattern depend on area of work and 1 sq.m have pin 12 to 15 pin. And Paint Bond Adhesive (SBR BONDING)



Install pin



Paint Bond Adhesive



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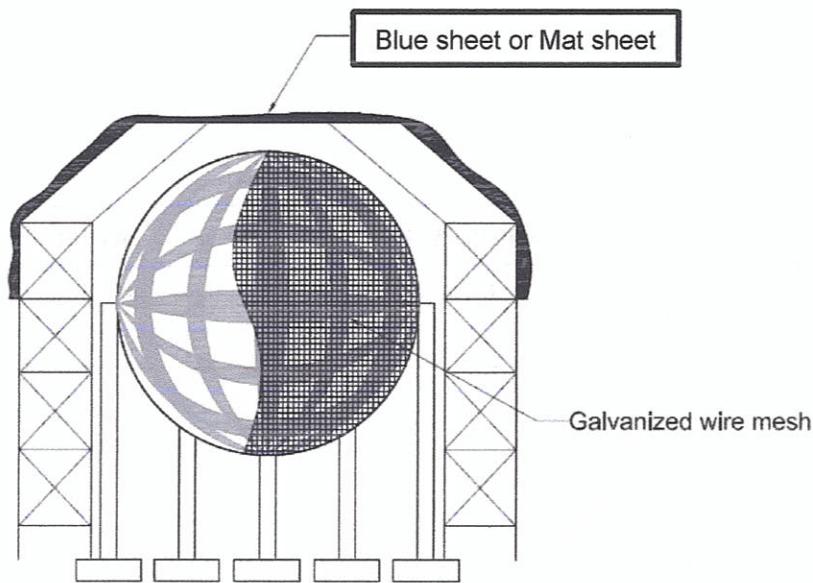
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9. Apply new Galvanized Wire Mesh



Attach mesh to install pin overlap of Tank T-6945A and Lock Mesh & Pin by Loc.



Install wire-mesh



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10. Mixing of fendolite M II By Concrete Mixer.



11. Spraying of fendolite M II. by Concrete pump.



Spray application of
Fendolite MII

Spray Fendolite MII until 46
mm & Trowel Finished



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12. Finishing of sprayed material & Check thickness by vernier caliper to a thickness of 60-70 mm.



13. Clearing and cleaning

