



# ZINCALUME STEELWATER TANK



+91-9999670256/  
+91-9999670257

sse@shreeshyam.net.in

<https://shinestarfire.com/>

# **COMPANY**

SSE Industries specialized Certified Zincalume steel water Tanks & Fire Equipment has gained trust with its ISO 9001:2015 certification which it obtained in 2014 to operate as a company that specializes in manufacturing Zincalume Steel Water Tank, Fire Rated Resistant Door and safety equipment of superior quality, renowned for our innovative products, uncompromising quality and commitment to customer safety.

## **ABOUT US**

Shine Star provides reliable and durable Zincalume Steel Water Tank Manufacturing and projection water storage solutions for fire protection system, Industrial facilities, residential buildings and large scale infrastructure projects. This tank is specially designed to provide sufficient and continuous water to the fire fighting system in case of emergency. Due to be manufactured from Zincalume coated steel tanks are manufactured in compliance with Indian Standard(IS), National Building Code (NBC) and fire department guidelines therefore simplifying the fire audit and approval process.



# ZINCALUME STEEL WATER TANK



Storage tanks manufactured from Zincalume steel offer many benefits over other steel corrosion protection systems. Unlike other protective coatings that rely solely on steel panel preparation to obtain adequate adhesion, galvanizing produces a coating that is bonded metallurgical to the steel. An Increasingly popular choice for residential, commercial and industrial water storage, prized for their exceptional durability, corrosion resistance and cost effectiveness.

- Economical solution
- Provides a tough and abrasion resistant coating
- Self healing and long lasting.

# INDUSTRIAL STRUCTURE WATER TANK



Industrial Structure designed tanks consist of steel sheets 2.5m long x 1.25m high with thickness varying dependent upon tank size. Tank Size range from 5KL TO 100KL dependent upon Customer preferences and building requirements. Sheets are assembled on site using a lap joint and galvanized silo bolts. The tank is supplied with a roof cover, r and platform and inlet and outlet connections. Insulated walls and roof cover are also available where the risk of a consistently low temperature would cause a problem.

| SHEET DETAILS |                 | SPECIFICATIONS                                  |
|---------------|-----------------|-------------------------------------------------|
| 1             | MOC of Sheets   | Zincalume Steel Sheet                           |
| 2             | Coating         | Zincalume Coated (AZ150)                        |
| 3             | Thickness       | 0.80 mm – 1.60 mm                               |
| 4             | Standard Width  | 1000 mm / 1200 mm                               |
| 5             | Standard Length | Up to 6000 mm (Customizable)                    |
| 6             | Sheet Type      | Plain / Corrugated                              |
| 7             | Finish          | Smooth, High Reflective, Corrosion Resistant    |
| 8             | Application     | Water Tanks, Roofing, Wall Cladding, Structures |

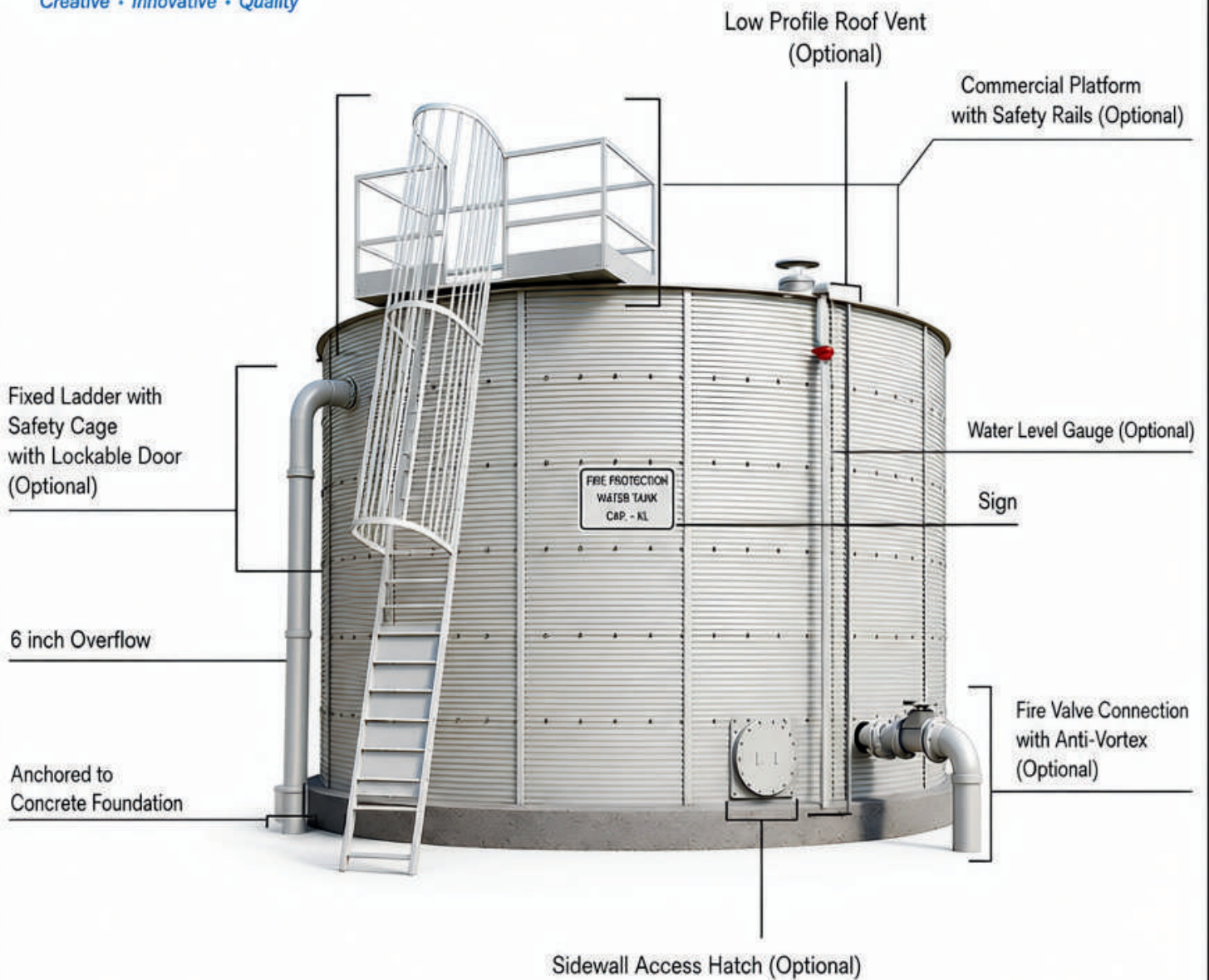
# LINERS

Tanks can be sealed using liners manufactured from either EPDM or BUTYL synthetic membranes to create a completely waterproof seal. Both EPDM and BUTYL have outstanding aging, environmental and weather resistant properties. Strength and elasticity remains virtually unchanged over many years, without shrinking, hardening or cracking. Liners are bolted to the top angle of the tank through re-enforced eyelets. Additional protection during installation and use is obtained from Polyester geo textile matting on the tank floor and protective tape on all interior tank sheet edges.



| ITEM                   | DETAILS / SPECIFICATION                 |
|------------------------|-----------------------------------------|
| 1. Sheet Type          | Zincalume Steel Sheet                   |
| 2. Standard            | ASTM A792 / IS 15961                    |
| 3. Coating Composition | 55% Aluminium, 43.4% Zinc, 1.6% Silicon |
| 4. Coating Mass        | AZ150 / AZ200 (g/m <sup>2</sup> )       |
| 5. Thickness Available | 0.50 mm – 1.60 mm                       |
| 6. Finish              | Regular Spangle                         |

# TECHNICAL DRAWING OF OUR WATER STORAGE TANKS



## Fire Protection Water Storage Tanks

# OUR TANK MEASUREMENTS

All tanks and materials are custom-mapped to match dimensions deliver optimal performance and fit perfectly in your facility.

## SSE INDUSTRIES

| Dia. →<br>/wall<br>Height ↓ | SSE-01 | SSE-02 | SSE-03 | SSE-04 | SSE-05 | SSE-06 | SSE-07 | SSE-08 | SSE-09 | SSE-10 | SSE-11  | SSE-12  | SSE-13  |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
|                             | 1.84   | 2.77   | 3.69   | 4.61   | 5.53   | 6.46   | 7.38   | 8.31   | 9.23   | 10.15  | 11.08   | 12.00   | 13.92   |
| 1.12                        | 2.98   | 6.75   | 11.98  | 18.69  | 26.90  | 36.71  | 47.91  | 60.74  | 74.94  | 90.62  | 107.99  | 126.67  | 146.84  |
| 2.10                        | 5.58   | 12.66  | 22.46  | 35.05  | 50.44  | 68.83  | 89.81  | 113.80 | 140.51 | 169.92 | 202.48  | 237.50  | 275.32  |
| 3.20                        | 8.51   | 19.28  | 34.22  | 53.41  | 76.86  | 104.88 | 136.88 | 173.56 | 214.11 | 258.92 | 308.55  | 361.91  | 419.53  |
| 4.20                        | 11.17  | 25.31  | 44.92  | 70.10  | 100.88 | 137.66 | 179.66 | 227.79 | 281.02 | 339.84 | 404.97  | 475.01  | 550.64  |
| 5.30                        | 14.09  | 31.94  | 56.68  | 88.46  | 127.30 | 173.71 | 226.71 | 287.48 | 354.62 | 428.84 | 511.03  | 599.42  | 694.85  |
| 5.80                        | 16.75  | 37.97  | 67.47  | 108.16 | 151.81 | 206.49 | 269.49 | 341.69 | 421.54 | 509.76 | 607.45  | 712.51  | 823.85  |
| 7.40                        | 19.68  | 44.59  | 79.14  | 123.52 | 177.73 | 242.54 | 316.54 | 401.35 | 495.14 | 598.76 | 713.51  | 836.02  | 970.17  |
| 8.40                        | 22.34  | 50.62  | 89.83  | 140.21 | 201.75 | 275.32 | 359.32 | 455.59 | 562.05 | 679.67 | 809.93  | 950.02  | 1101.27 |
| 9.50                        | 25.26  | 57.25  | 101.59 | 158.57 | 228.17 | 311.37 | 406.37 | 515.25 | 635.65 | 768.68 | 915.99  | 1074.42 | 1245.49 |
| 10.50                       | 27.92  | 63.28  | 112.29 | 175.26 | 252.19 | 344.15 | 449.15 | 569.48 | 702.56 | 849.59 | 1012.42 | 1187.52 | 1376.59 |

| Dia. →<br>/wall<br>Height ↓ | SSE-14  | SSE-15  | SSE-16  | SSE-17  | SSE-18  | SSE-19  | SSE-20  | SSE-22  | SSE-22  | SSE-23  | SSE-24  | SSE-25  | SSE-26  |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                             | 13.84   | 14.77   | 15.69   | 16.61   | 17.54   | 18.46   | 19.38   | 20.31   | 20.86   | 21.77   | 22.68   | 23.58   | 24.49   |
| 1.12                        | 168.49  | 191.90  | 216.55  | 242.69  | 270.62  | 299.76  | 330.88  | 362.85  | 382.77  | 416.89  | 452.47  | 489.10  | 527.58  |
| 2.10                        | 315.92  | 359.81  | 406.03  | 455.04  | 507.42  | 562.05  | 619.96  | 680.34  | 717.69  | 781.67  | 848.39  | 917.06  | 985.21  |
| 3.20                        | 481.41  | 548.28  | 618.71  | 693.39  | 773.21  | 856.45  | 943.95  | 1036.72 | 1093.12 | 1191.12 | 1292.78 | 1397.42 | 1507.36 |
| 4.20                        | 631.65  | 719.19  | 812.05  | 910.00  | 1014.84 | 1124.00 | 1238.91 | 1350.60 | 1423.38 | 1563.25 | 1696.78 | 1834.12 | 1976.41 |
| 5.30                        | 797.33  | 908.04  | 1024.74 | 1146.43 | 1280.63 | 1418.50 | 1563.41 | 1717.06 | 1811.32 | 1979.20 | 2141.17 | 2314.18 | 2466.57 |
| 5.80                        | 947.77  | 1079.42 | 1218.08 | 1365.12 | 1522.26 | 1688.54 | 1858.89 | 2041.03 | 2158.07 | 2345.02 | 2545.17 | 2751.17 | 2967.62 |
| 7.40                        | 1113.25 | 1267.89 | 1430.76 | 1603.47 | 1789.05 | 1980.55 | 2182.88 | 2397.41 | 2529.01 | 2754.47 | 2989.56 | 3221.54 | 3485.77 |
| 8.40                        | 1263.69 | 1439.23 | 1624.11 | 1820.16 | 2029.66 | 2248.19 | 2477.76 | 2721.38 | 2870.77 | 3126.70 | 3333.86 | 3656.23 | 3956.82 |
| 9.50                        | 1429.18 | 1627.70 | 1836.79 | 2058.51 | 2295.48 | 2542.39 | 2802.34 | 3077.75 | 3246.76 | 3536.15 | 3837.89 | 4148.60 | 4479.98 |
| 10.50                       | 1579.62 | 1799.04 | 2030.14 | 2275.19 | 2537.10 | 2810.23 | 3097.32 | 3401.72 | 3598.46 | 3908.37 | 4241.95 | 4585.29 | 4940.03 |

NOTE- ALL CAPACITIES IN KL/M3

Method of selection

horizontally Dia in Mtr eg 1.84,2.77.....  
 vertically Height of tank in mtr. Eg 1.12,2.10.....  
 white column volumes in cubic mtr. Eg 2.98,5.58,6.75....

For Example

If we are looking for a tank of 25KL then we have the following options:

| Volume<br>(Cub Mtr) | Dia (Mtr) | Height<br>(Mtr) | Model  |
|---------------------|-----------|-----------------|--------|
| 25.31               | 2.77      | 4.20            | ZA03R4 |
| 22.46               | 3.69      | 2.10            | ZA04R2 |

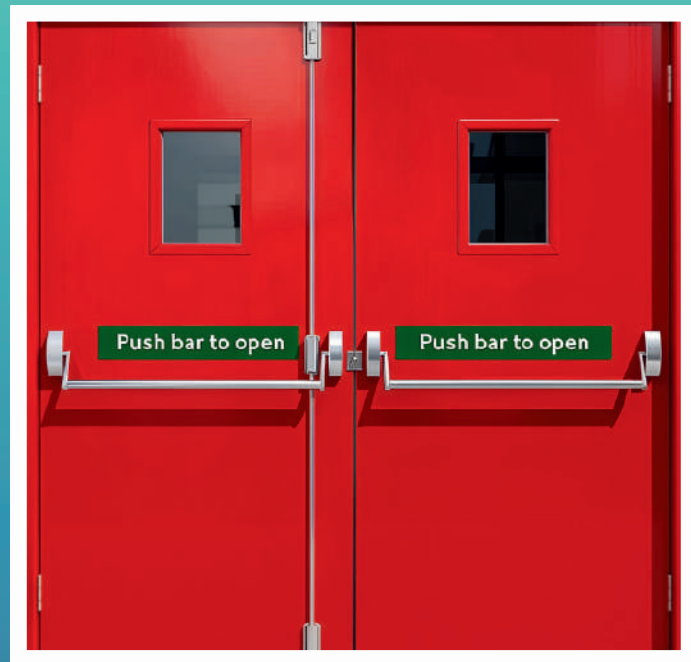
# OUR RECENT PROJECTS



# FIRE RESISTANT DOOR

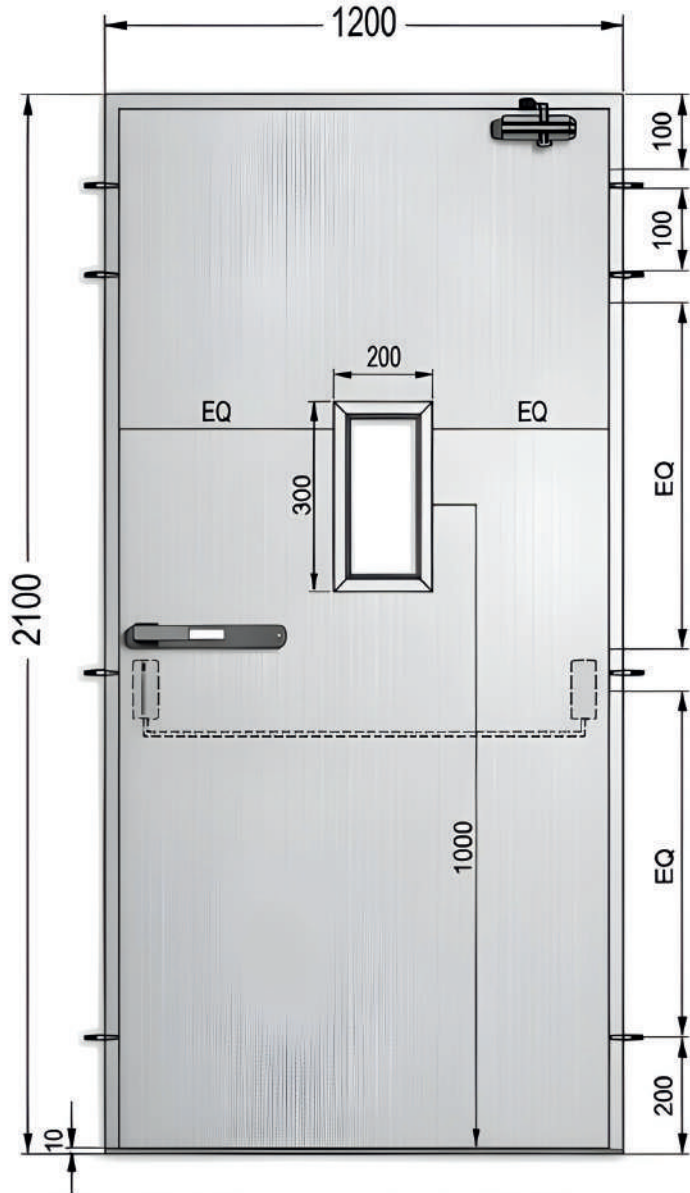
Fire Rated Doors for residential complexes, industrial projects, commercial buildings, hotels, hospitals and government buildings. We are one of the largest producers of high quality Fire Resistant Doors in India. SSE doors are Fire Rated and are confirmed to S: 3614 Part II and BS: 476 Part 22.

A fire-resistant door assembly including the frame and hardware is capable of providing a specific degree of fire protection. The doors are fabricated with two layers of galvanized or stainless steel sandwiching proprietary insulation materials, such as honeycomb ceramic, wood, or rock wool core between the steel sheets, to enhance structural stability and thermal resistance. All doors are pre-drilled/pre-prepped at the factory to receive pre-selected hardware. The complete door assemblies are delivered to customers along with hardware from approved or selected brands.



| S. No. | Specification  | Details                        |
|--------|----------------|--------------------------------|
| 1      | Door Frame     | 1.2/1.6/2.0 mm GI Sheet        |
| 2      | Door Leaf      | 0.8/1.0/1.2/1.6 mm GI Sheet    |
| 3      | Door Thickness | 46 mm                          |
| 4      | Infill         | honey comb/ Rockwool (96kg m3) |
| 5      | Vision Panel   | Fire Rated Glass               |

# TECHNICAL DRAWING OF FIRE RATED DOORS



DOOR FRAME - SINGLE REBATED FRAME OF SIZE 100x57x1.2MM THICK MADE OF G.I. SHEET.

DOOR SHUTTER- 46x0.8 MM THICK MADE OF G.I. SHEET.

FIRE RATING-120 MINUTES.

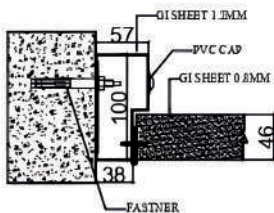
DOOR FINISH - POWDER COATING PO RED

INSULATION MATERIAL - INSTALLATION MATERIALS

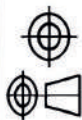
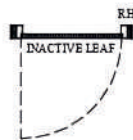
## Door Hardware Details

| S.No. | DESCRIPTION                                                        | SIZE               | MAKE   | MODEL NO | QTY.    |
|-------|--------------------------------------------------------------------|--------------------|--------|----------|---------|
| 1.    | SS BALL BEARING HINGE                                              | 100x75x3MM         | SSE    |          | 04 NOS. |
| 2.    | DOOR CLOSER                                                        |                    | GEZE   |          | 01 NOS. |
| 3.    | PANIC BAR                                                          |                    | GEZE   |          | 01 NOS. |
| 4.    | 6 MM THICK 120 MINUTES FR GLASS CLEAR WIRED VISION SIZE-200X300 MM | GLASS SIZE 300X400 | SCHOTT |          | 02 NOS. |
| 5.    | FASTNER                                                            | M10x100MM          |        |          | 09 NOS. |
| 6.    | DOOR 1200x2100                                                     | PUSH TO RH         |        |          | 1 NOS.  |

TYPICAL DETAIL OF JAMB



DOOR HANDLING



DRAWN BY :-

SHUBHAM

CHECKED BY :-

PARVEEN

APP'D BY :-

PARVEEN



DATE :-

09-09-2022

MANUFACTURER :-

SSE Industries

TITLE :-

FIRE DOOR

SCALE :- 1 : 1

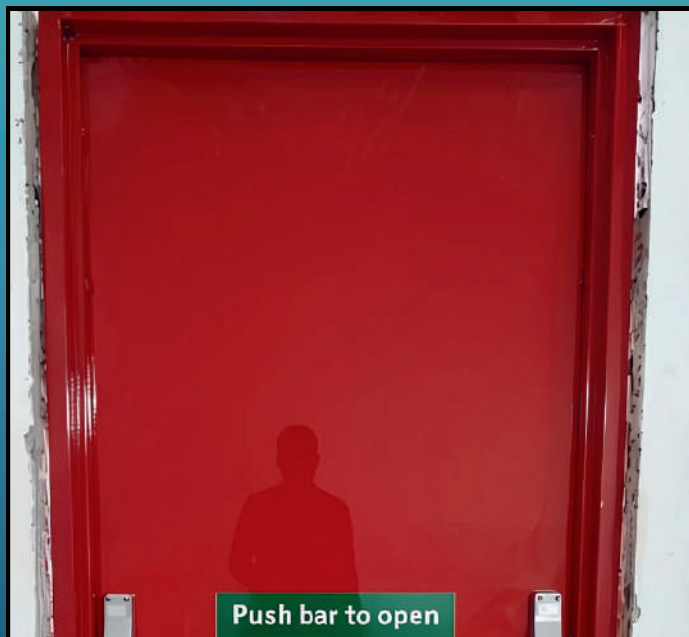
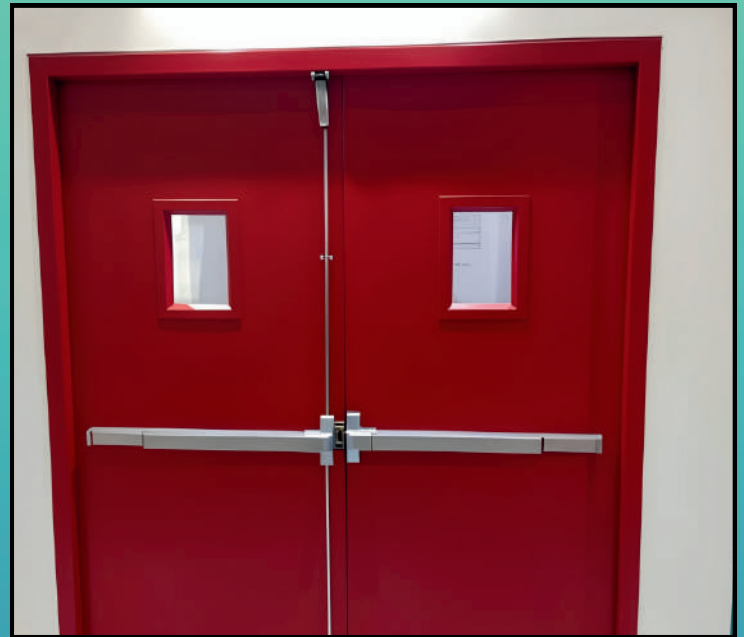
SHEET :- 1 OF 1

DRG. NO :-

LOCATION :-

QTY. :- 1 NO.

# OUR RECENT PROJECTS



## OUR PRESTIGIOUS CLIENTS

**Panasonic**

**adani**



**Lancer**  
FOOTWEAR

**asm**  
DECOR



**DENSO**

matrix  
clothing



**BIBA**



**action**



SSE Industries promises to deliver reliable fire protection solutions, expert installations, and ongoing support with a focus on compliance and client needs. Our professional team ensures every project meets strict quality standards and is completed on time, ensuring the trust and satisfaction of every customer.

## SSE INDUSTRIES

Plot No. 03, Street 8, Sector  
7B, Met Village, Sondhi,  
Jhajjar, Haryana - 124105

Contact No.: +91-9999670256/ +91-9999670257

<https://shinestarfire.com>

