DeeEss

DeeEss Engineers India Projects Pvt Ltd.

COMPANY
PROFILE

Meeting the Industrial Community

End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

- DeeEss Engineers was founded in 2004 in Ambattur, Chennai.
- Since then it has grown from a small steel fabrication business to an established and specialized End To End solution provider of
  - Material Handling & Storage System (MHS)
  - Industrial packaging(Metal, Plastic, Vaccum Forming & Honeycomb)
  - Warehouse systems
  - Engineering service (Mechanical, Civil, Electrical, I&C)
  - EPC (Engineering, Procurement & Construction)

2004
Company established in Ambattur offering small scale steel fabrication and engineering services.

2009
Company restructured to increase manufacturing capability and capacity. Management strengthened by the appointment of key perszonnel.

2016
Company creates new brand identity and changes name from DeeEss Engineers to **DeeEss Engineers India Projects Private Limited.**

2017
Established PAN India presence

DeeEss Infrastructure

Business Trade Name

DeeEss Engineers India Projects Pvt Ltd

Corporate office

No237/1, Rohini flats, 100Ft Road, Anna nagar west Extn, Chennai - 600 101, Tamilnadu, INDIA

HO & Works

No26B/5, 5th street, SIDCO Industrial Estate, Ambattur, Chennai - 600 098, Tamilnadu, INDIA

Nature of Business

Manufacturer & Service provider

Factory & Business Area

Total Space : 24500 Sq.Ft , Closed space: 12,800 Sq. ft, open space:5500 Sq.Ft,

Office: 4500 Sq.Ft + Engineering office (1500 Sq.ft)

Regional Offices

Chennai, Bengaluru, Pune, Ahmedabad, Hyderabad, New Delhi and Mumbai

Date Established

2004

Kind of Ownership

Private Limited

Contact Numbers

+91 44 49589333, +91 44 65555898, +91 7810942412, +91 9500087351

Email

sales@deeessengineers.com

Website

www.deeessengineers.com

Social Network

ISO Certified

Yes (ISO 9001:2015)

End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

ISO Certification


THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and VINÇOTTE N.V.
hereby certify that the organization

Dee Ess Engineers India Projects Pvt ltd
No.26, B, 5th Street, Sidco Industrial Estate,
600098 Chennai (India)

for the following field of activities

Engineering, Procurement, Construction (EPC),
Material handling & storage systems,
Design & Engineering, Procurement, Project Management Services,
Management of annual Maintenance Contract, Erection & Commissioning Supervision.

has implemented and maintains a
Management System
which fulfils the requirements of the following standard

ISO 9001:2015

Issued on : 10 October 2016
Validity date : 2 August 2018
Registration Number : BE-15 QMS 5823R1

Michael Drechsel
President of IQNet

Bart Janssens
Chairman Certification Committee


CERTIFICATE

EN ISO 9001 : 2015
Quality Management System

VINCOTTE nv
Jan Olieslagerslaan 35, 1800 Vilvoorde, Belgium

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600098 Chennai
India

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Signed for the certification body

Bart Janssens
Chairman Certification Committee

016-QMS

End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

DeeEss Products/Service

Material Handling, Industrial packaging / Storage and Warehouse Systems

- Complete Warehouse & Storage Systems
- All types of Packaging Material
  - •Metal •Plastic •Cloth •Vaccum Forming •Honeycomb
- Plastic Packing Material
  - •Stretch Films •Bubble Pouches •LDPE bags •HDPE bags
- Returnable / Reusable / Secondary / Contract Packaging Solutions
- ESR - Expendable steel racks / One Time Steel Packaging
- Standard & Customized Bins & crates with partition
- Design Optimization
- Heavy storage system / High racks, Fifo racks.
- Mezzanine / platforms & Handrails.
- Trolleys, Pallets & Stillages Containers
- ESD racks, trolleys.
- Cold storage systems.
- All types of Conveyor systems
- Customized Requirements
- Dock leveler, scissor lifts / goods lifts
- All types of Lifting Systems
- Annual Maintenance Contract (AMC)

Engineering service

(Mechanical, Civil, Electrical, I&C)

- DBR (Design Basis Report) / Concept design / Basic Design
- Design Analysis, Cost optimization.
- Detailed Engineering
- Layout, P&IDs
- Preparation of RFQ(Request for Quote) / Bidder list
- Complete support for Tech Bid evaluation
- Commercial negotiation
- Contract / PO Preparation & Placement
- Expediting
- As-Built documentation.
- Preparing of O&M manual
- Preparation of Bid evaluation
- Vendor document review
- Project management service
- Support during Construction / Commissioning
- Site service

DeeEss Customers (Partial)

End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

DeeEss Customers (Partial)

End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

Design Expertise

Design

- Conceptual Design
- Basic Engineering
- Detailed Engineering
- Cost Estimation
- Design Analysis

Design Standards

- ASME
- EN
- BS
- IBR
- SEMA
- ISPESL
- IS
- API

DeeEss Design Expertise

creo®

SOLIDWORKS

Pro|ENGINEER WILDFIRE® 5.0

Staad.Pro

CATIA

Tekla

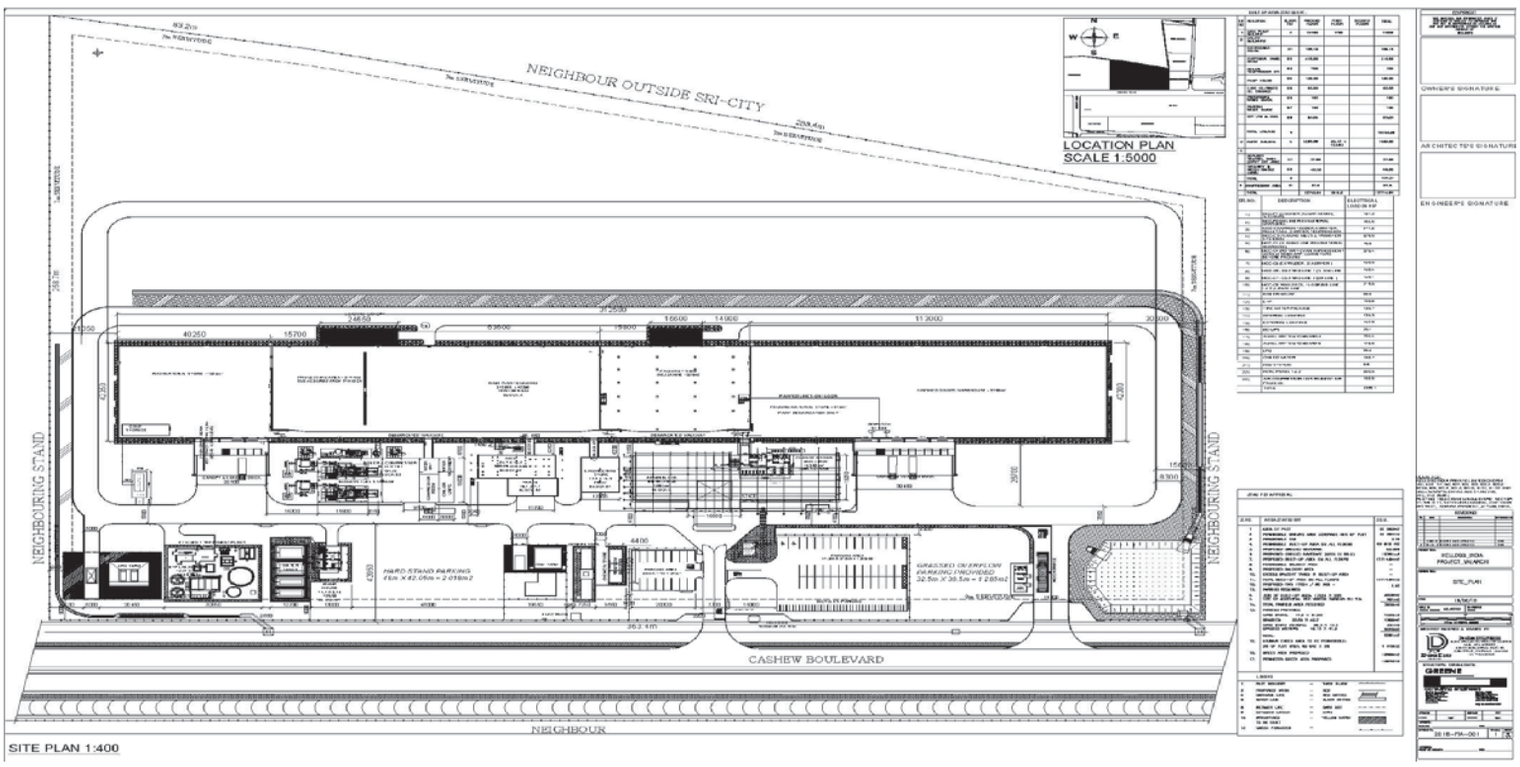
AUTODESK AUTOCAD

pvelite

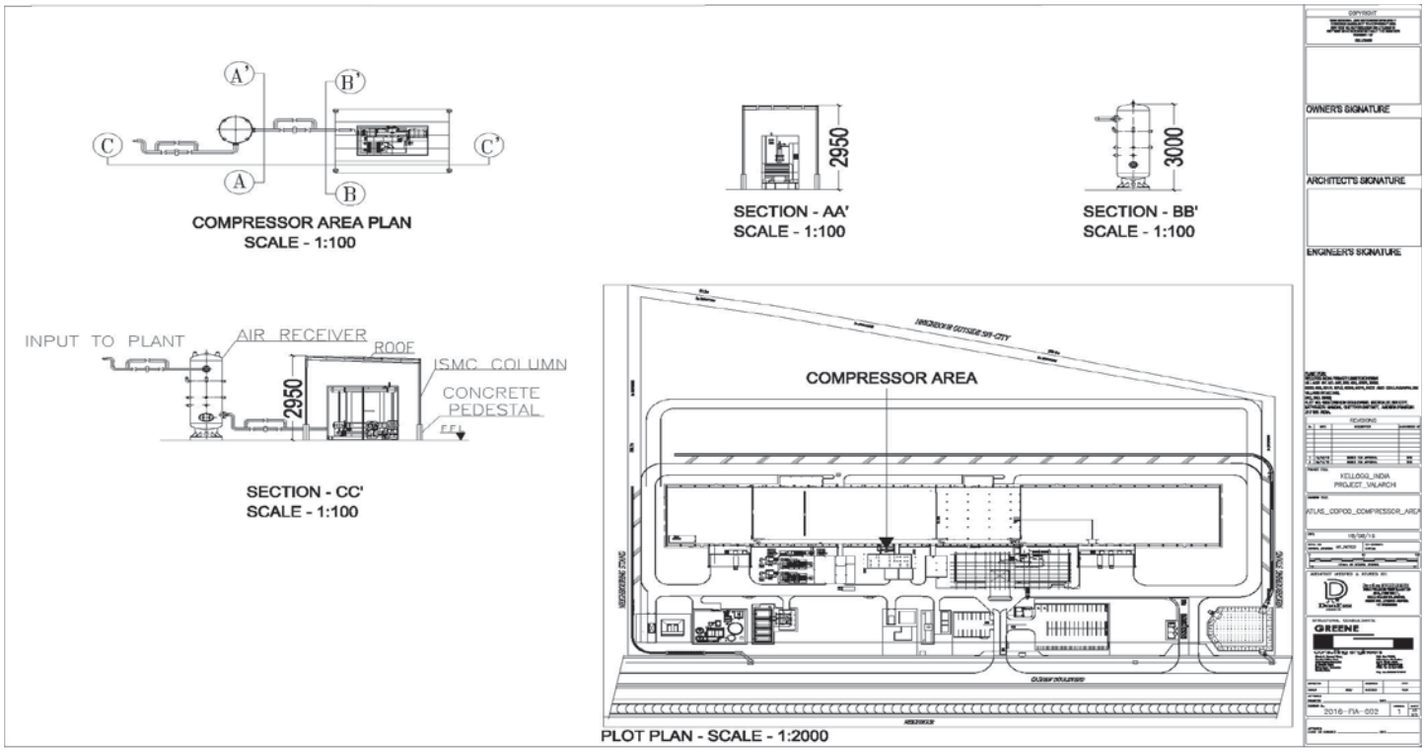
Caesar

Other specialised technical software experts are hired locally on need basis.

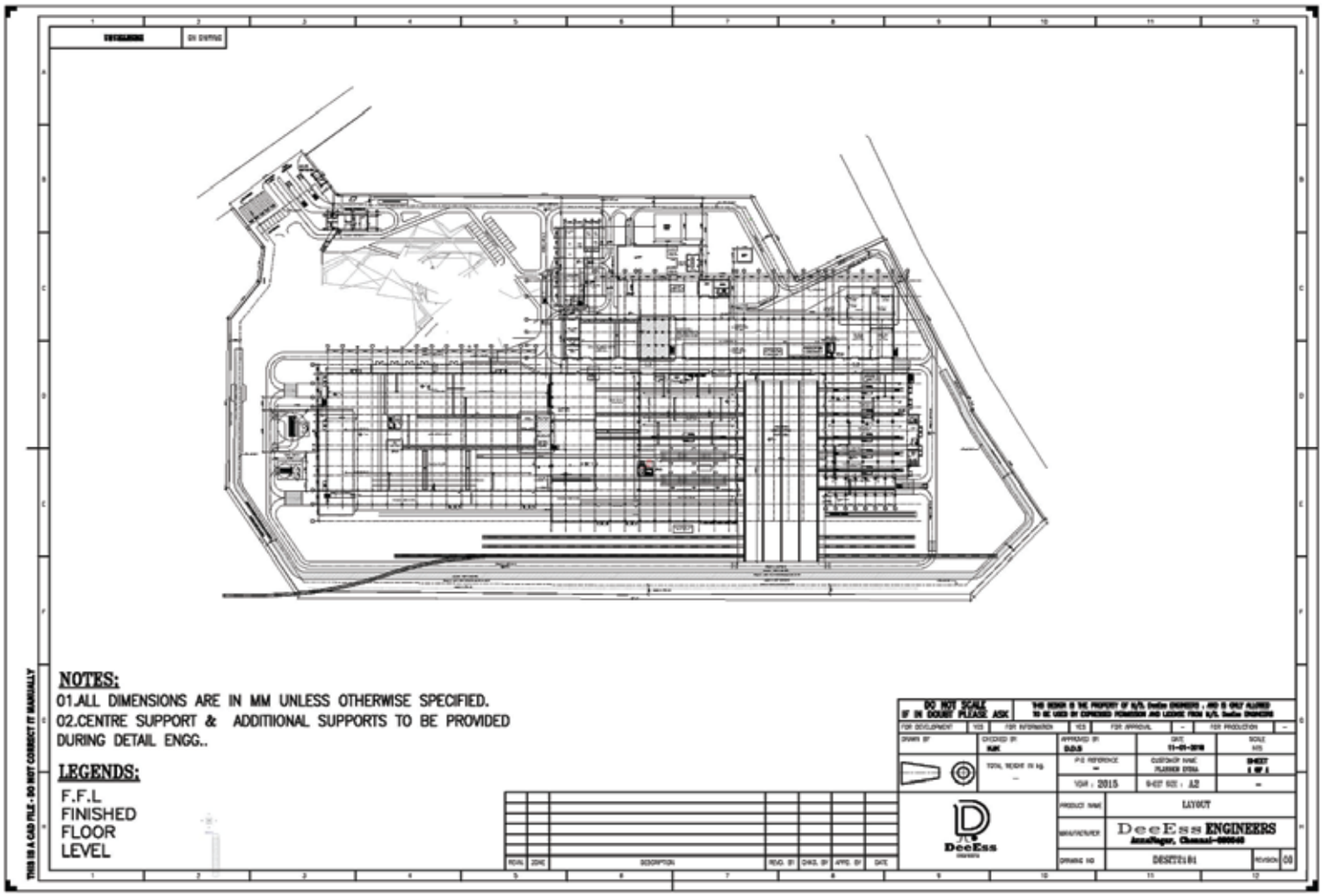
IALA Site Plan – 2016 A0

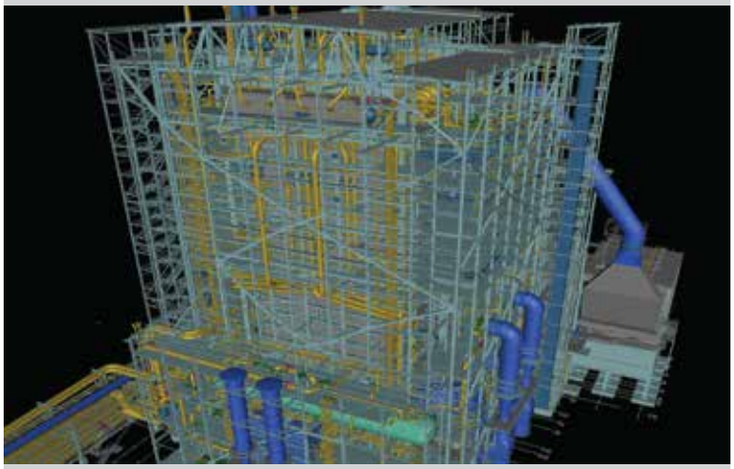


IALA Site Plan – 2016 A0

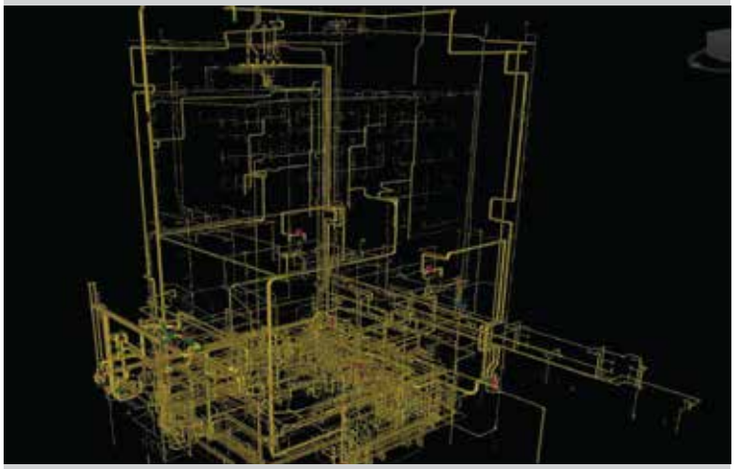


Site plan

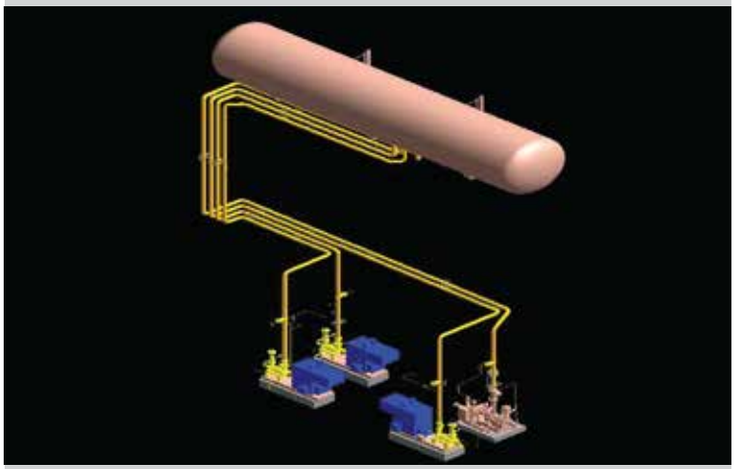




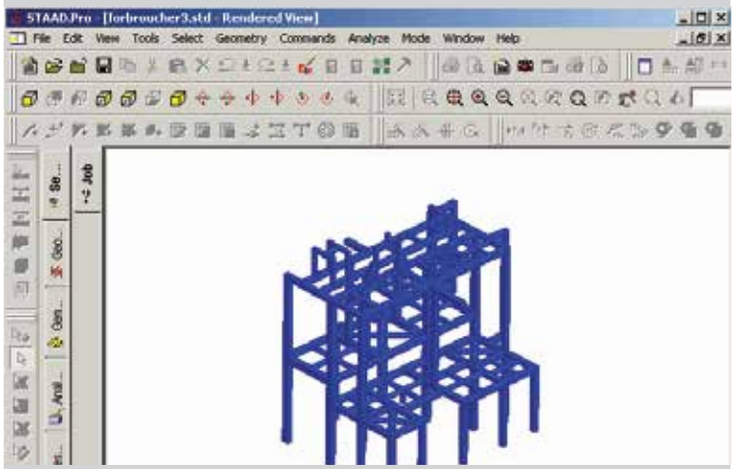
Structural Design



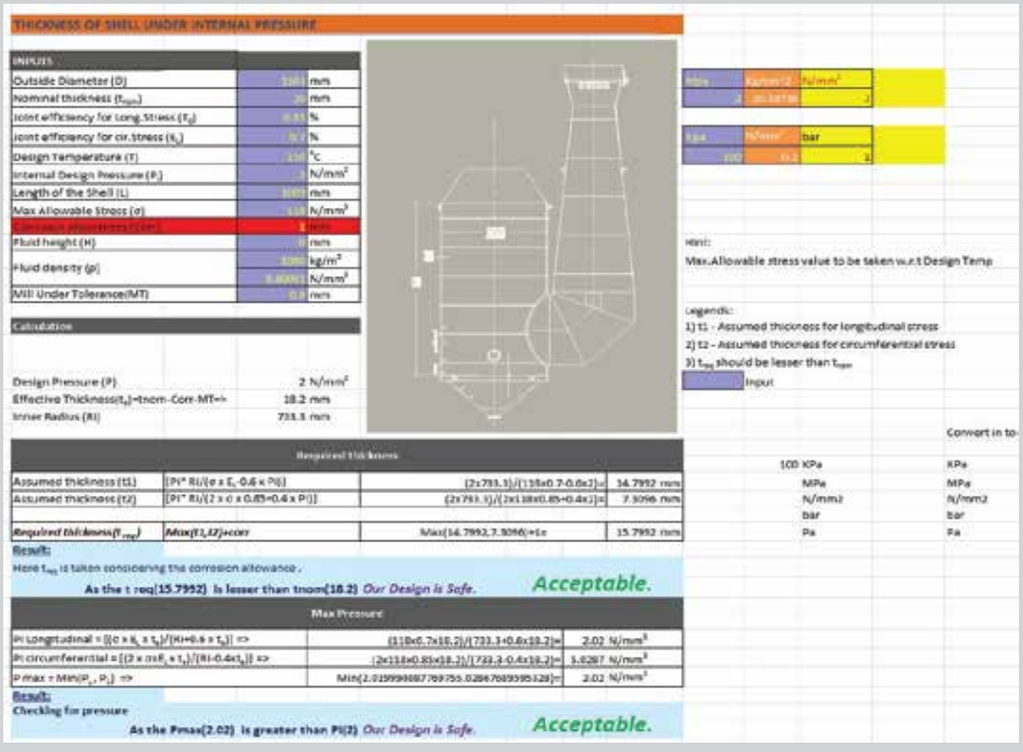
Piping Design



Piping Routing

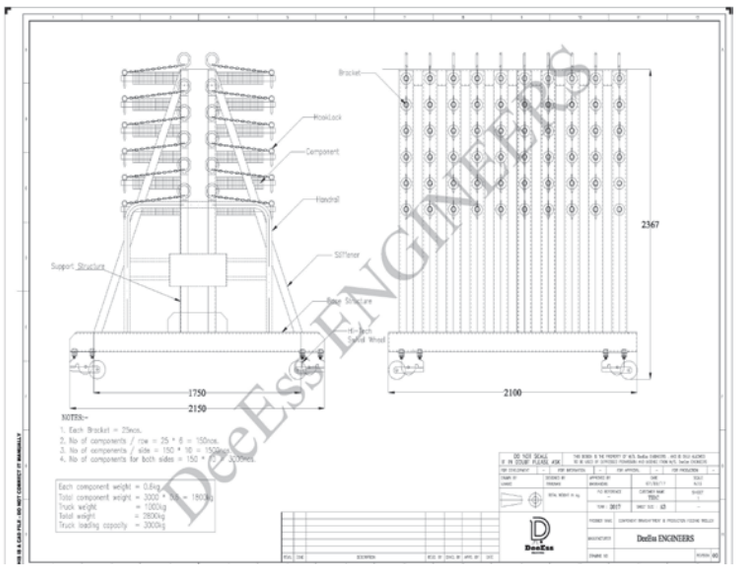


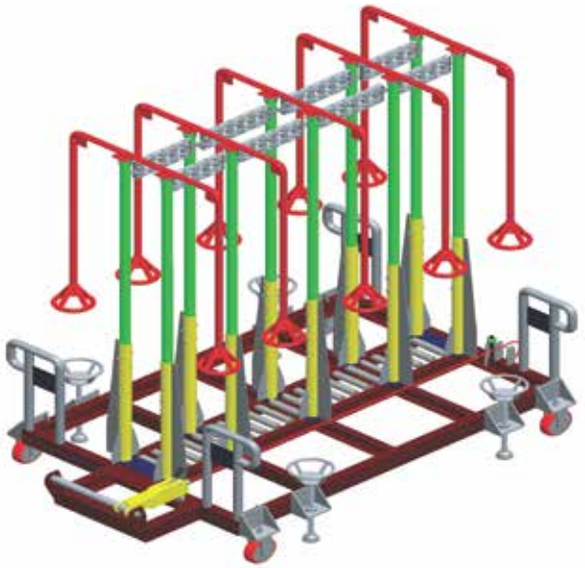
Structure Analysis



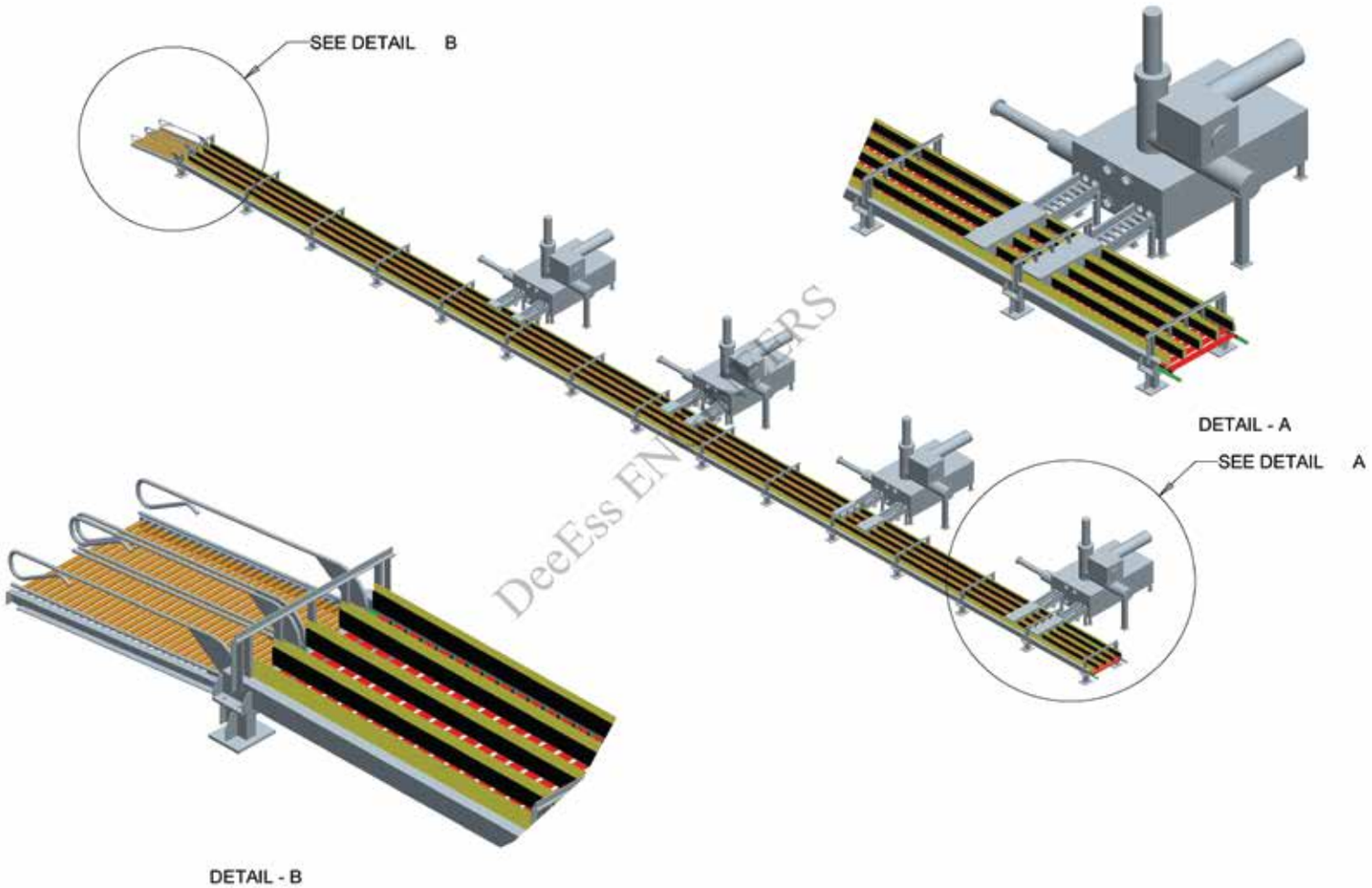
Thickness of shell under internal pressure

Material Handling Equipment Design

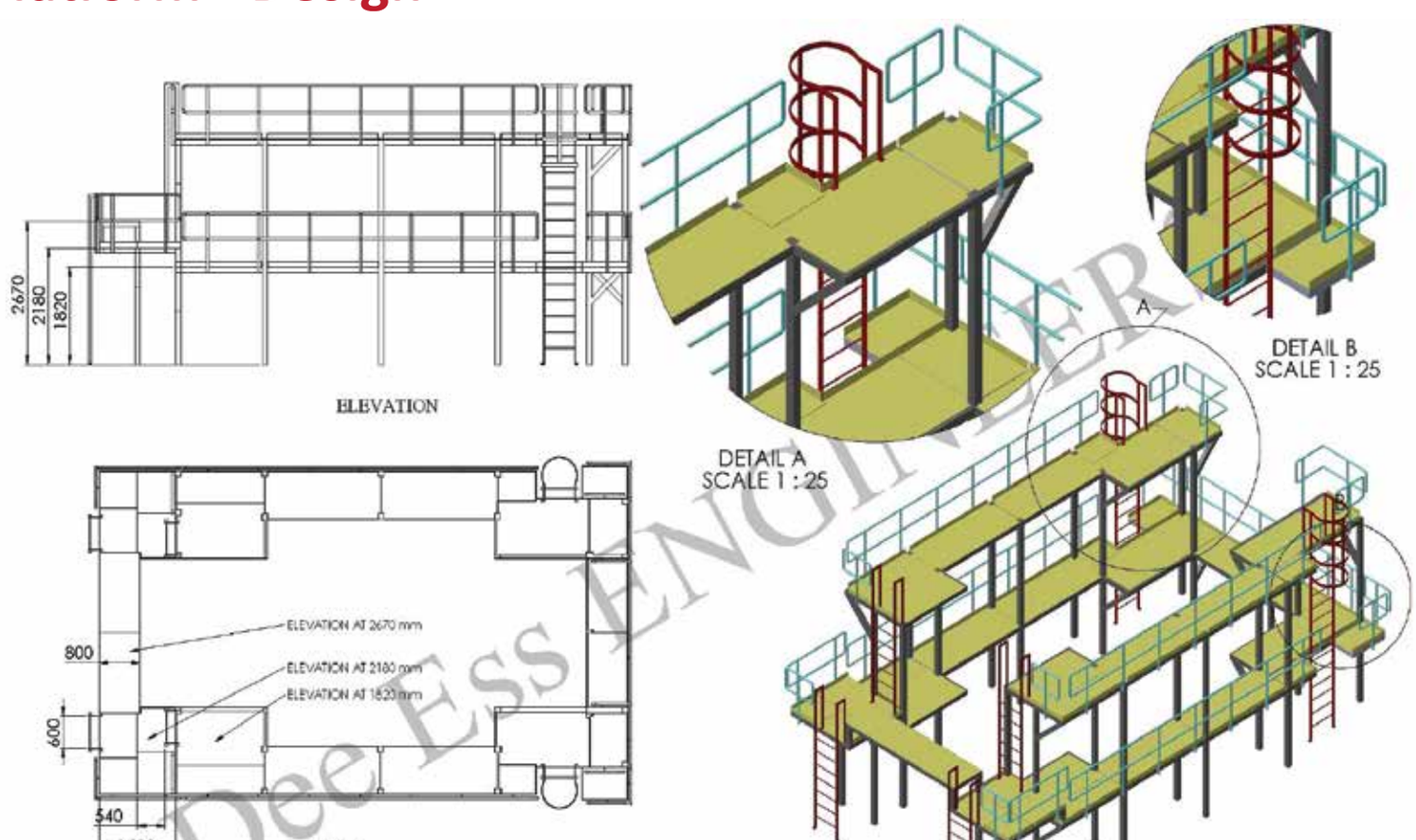




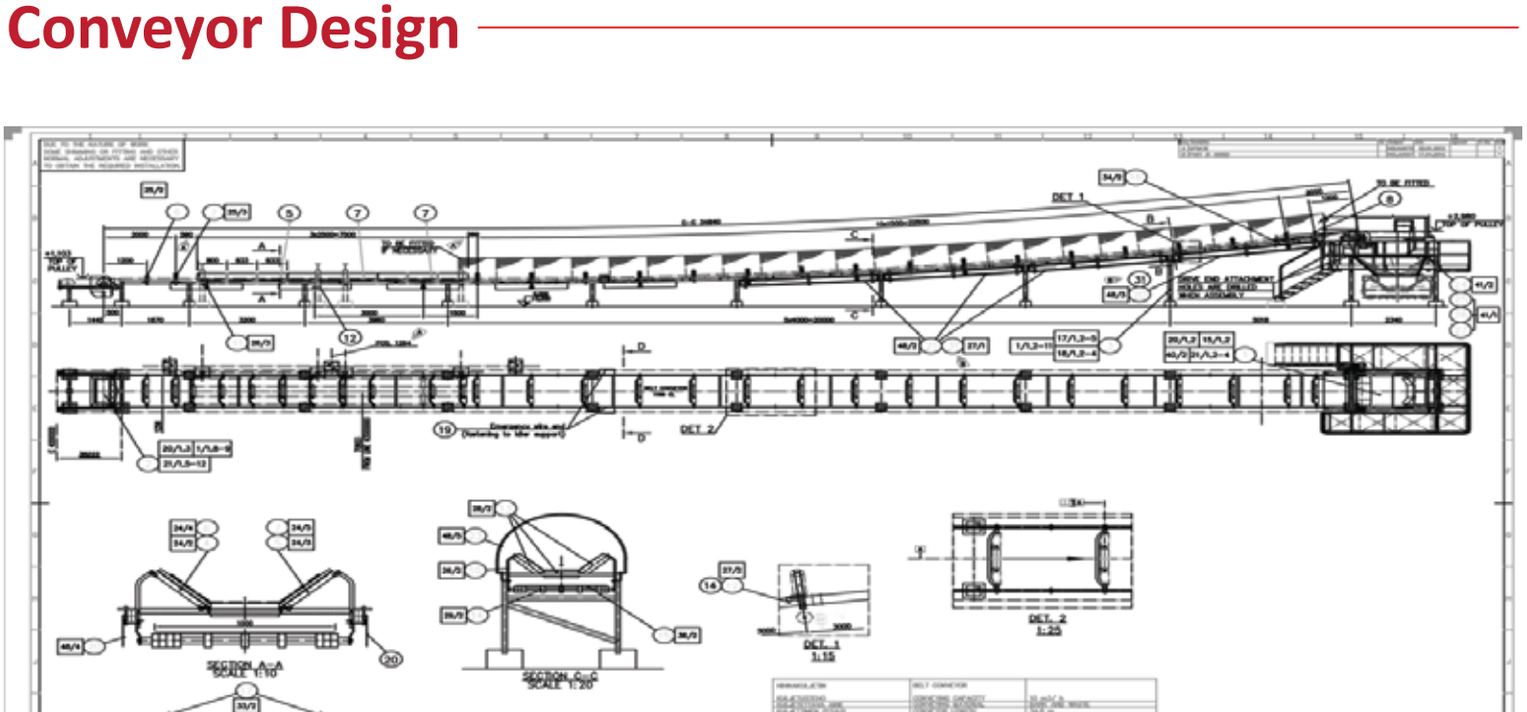
Conveyor Design



Platform - Design



Conveyor Design



Conveyor system

Skeletons

High rack Stillage

Pallets

Platforms

Annual maintenance

Returnable packaging

Material Handling & Storage Systems

Mezzanine floor

Contract

Rack

Expendable steel racks

Hand rails

Trolleys

Cloth racks

Bins

Cold storage solutions

Design optimization

Crates

Container

Cost optimization

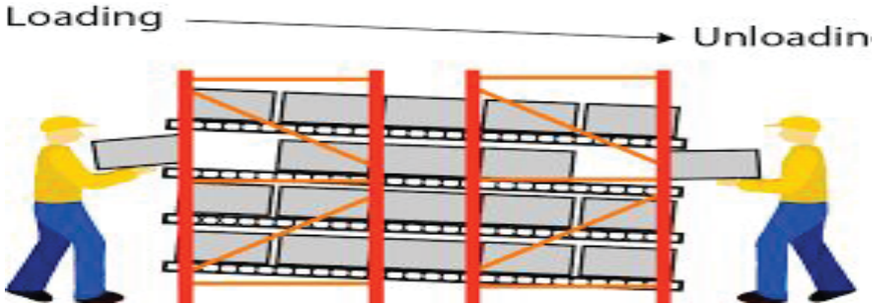
End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

DeeEss: Our Extensive Range Of Solution

OFFICE

WAY TO MATERIAL MOVEMENT

RAW MATERIALS STORAGE AREA



- WAREHOUSE DESIGN & CONSTRUCTION
- HIGH RACK
- MEZZAINE FLOOR
- CAGE BINS
- TROLLEYS, PLASTIC CRATES
- FIFO RACK
- WORK TABLE & INSPECTION TABLE
- TOOL RACK

WAY TO MATERIAL MOVEMENT

PRODUCTION AREA

ASSEMBLY LINE - 1

- CONVEYOR SYSTEMS
- JIGS AND FIXTURES
- DIE STORAGE RACK
- CANTEEN REQUIREMENTS
- PIPING & PIPELINE

- ESR (EXPENDABLE STEEL RACKS)
- HIGH RACK
- TRAYS
- SCISSOR LIFT
- EXPORT CONTAINERS

PRODUCTION AREA

ASSEMBLY LINE - 2

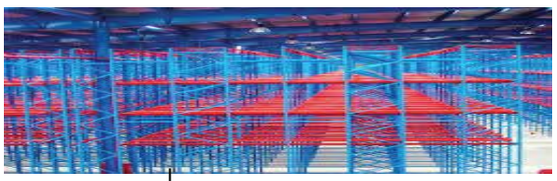
CANTEEN

WAY TO MATERIAL MOVEMENT

EXPORT DISPATCH AREA

WAY TO MATERIAL MOVEMENT

DOMESTIC DISPATCH AREA



- RETURNABLE PACKAGING SOLUTION
- FOLDABLE METAL CONTAINERS
- FOLDABLE PLASTIC CONTAINERS
- CUSTOMIZED TROLLEYS
- FENCING

WAY TO MATERIAL MOVEMENT

DOCK - 1

- SAFETY BARRICADE
- SAFETY CHAIN
- SAFETY FENCING

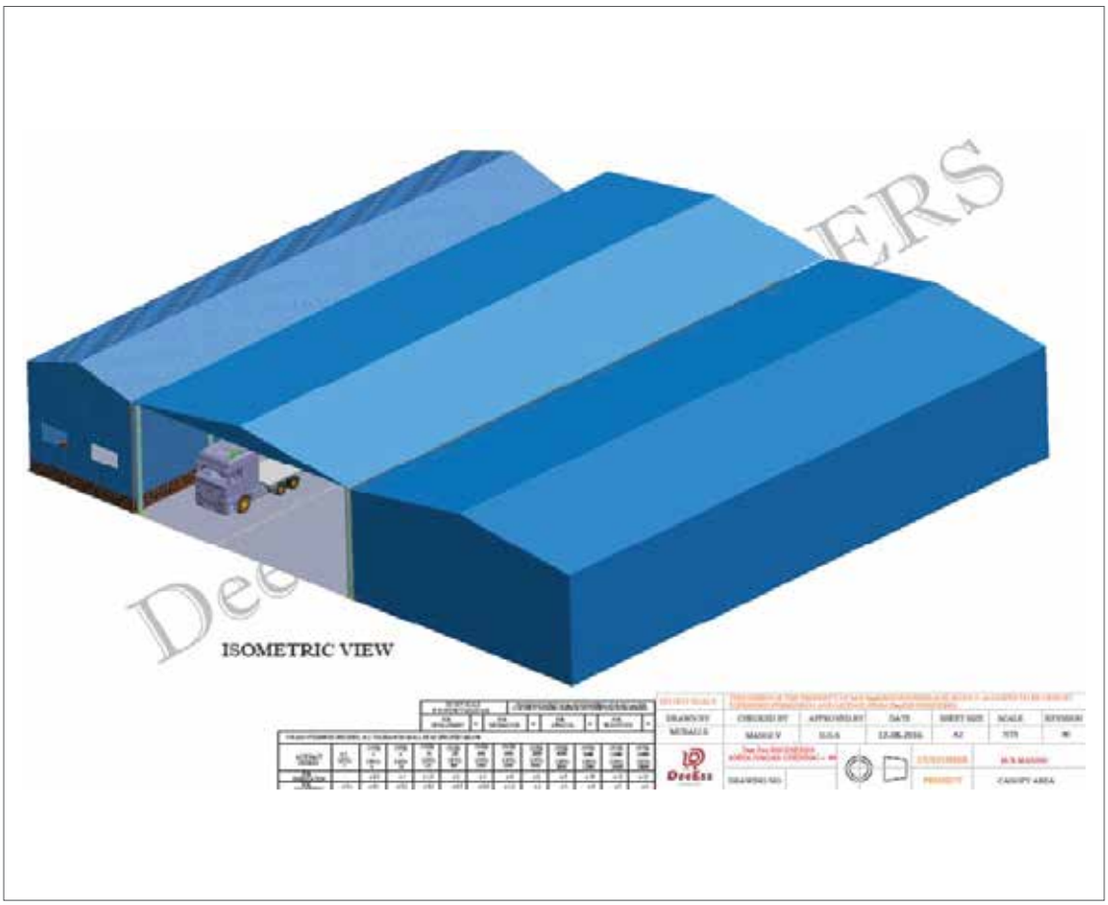
DOCK - 2

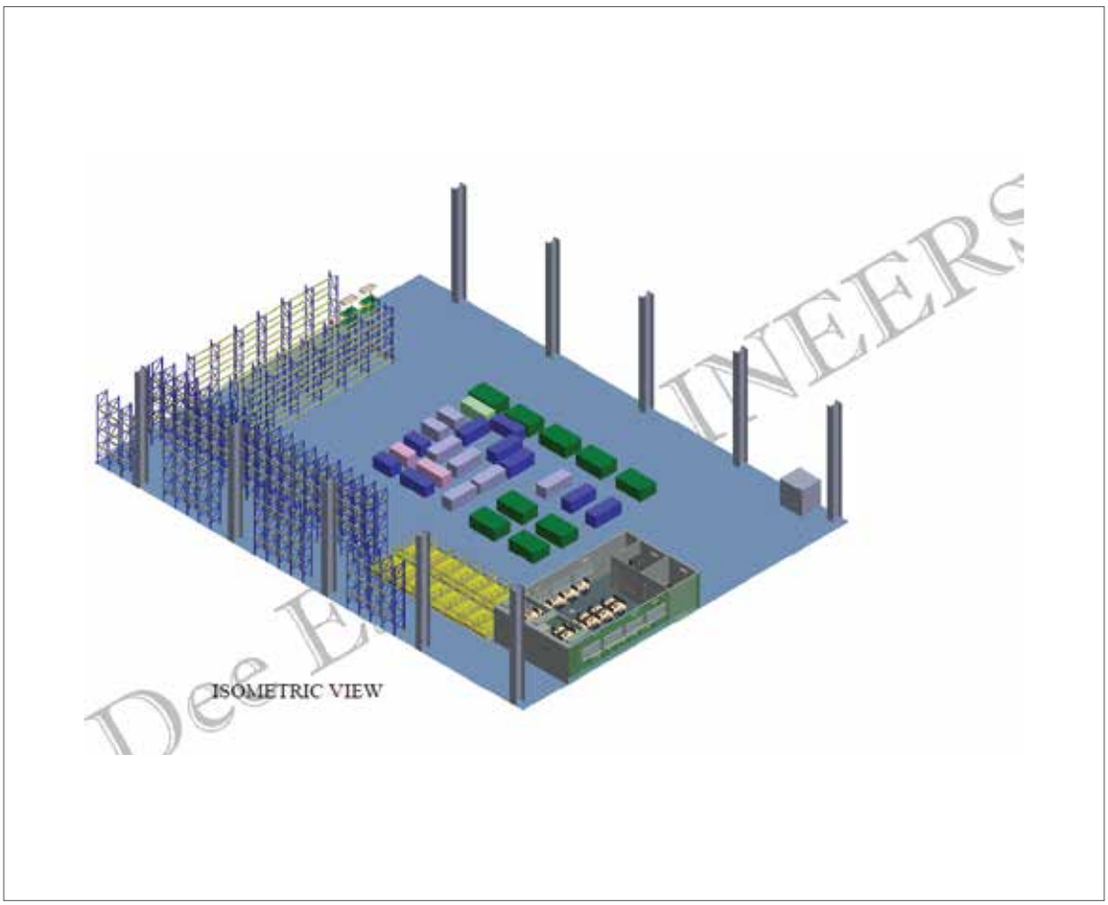
- DOCK LEVELLOR

SPECIAL SERVICES :

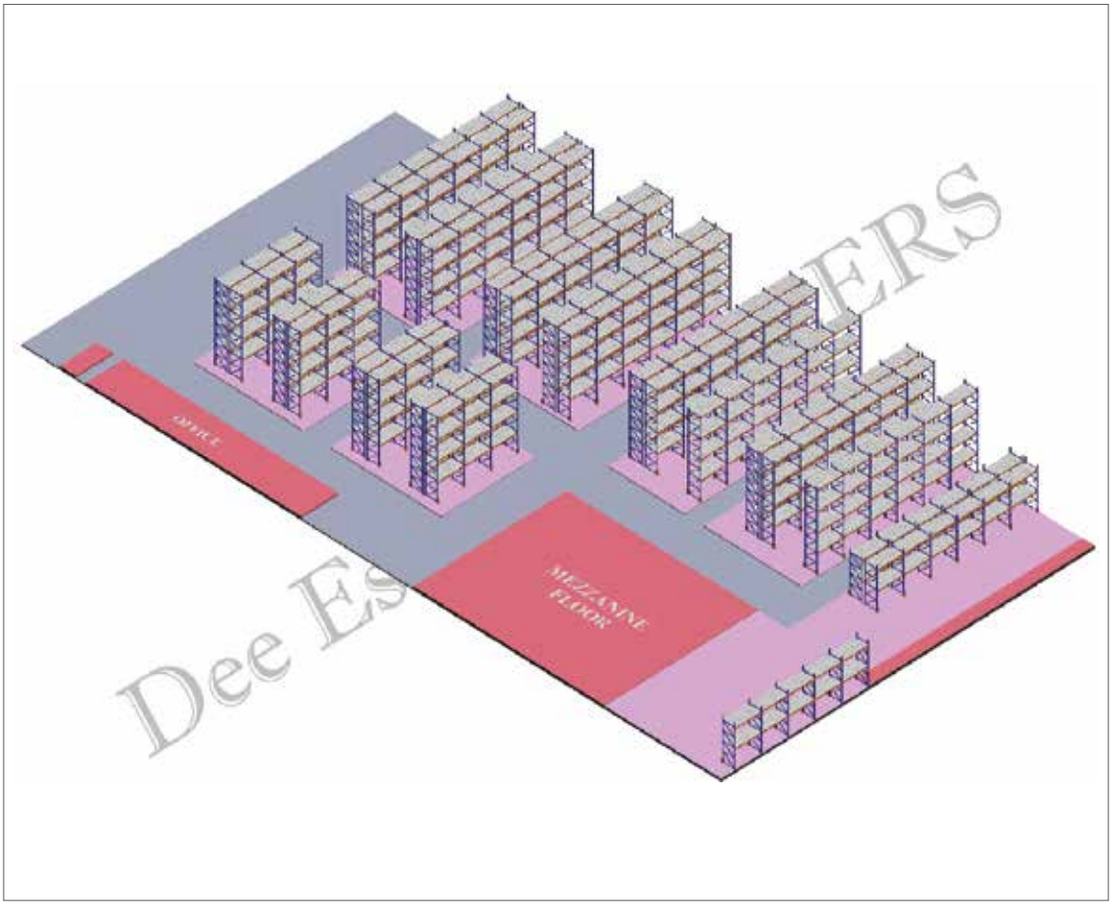
- *DESIGN OPTIMIZATION*
- *ENGINEERING SOLUTION*
- *EPC*

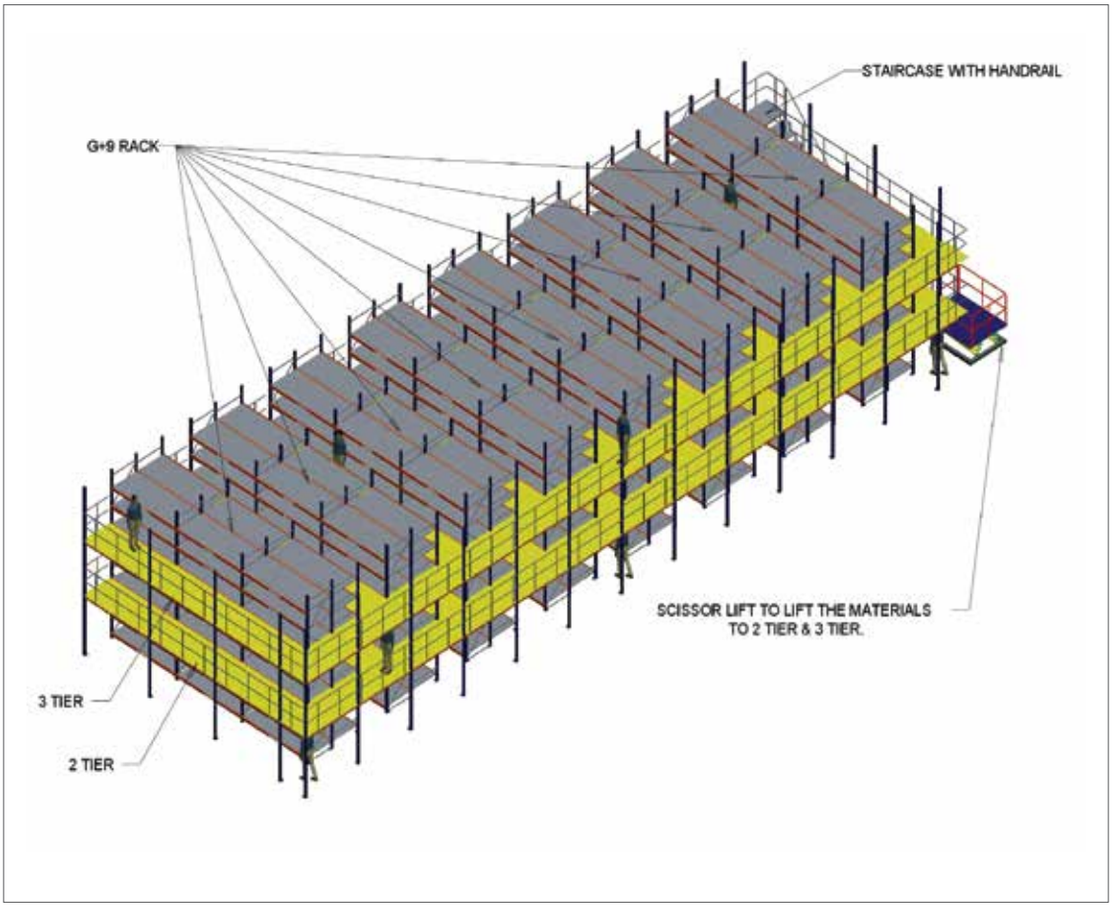
DeeEss – Material Handling & Storage Systems



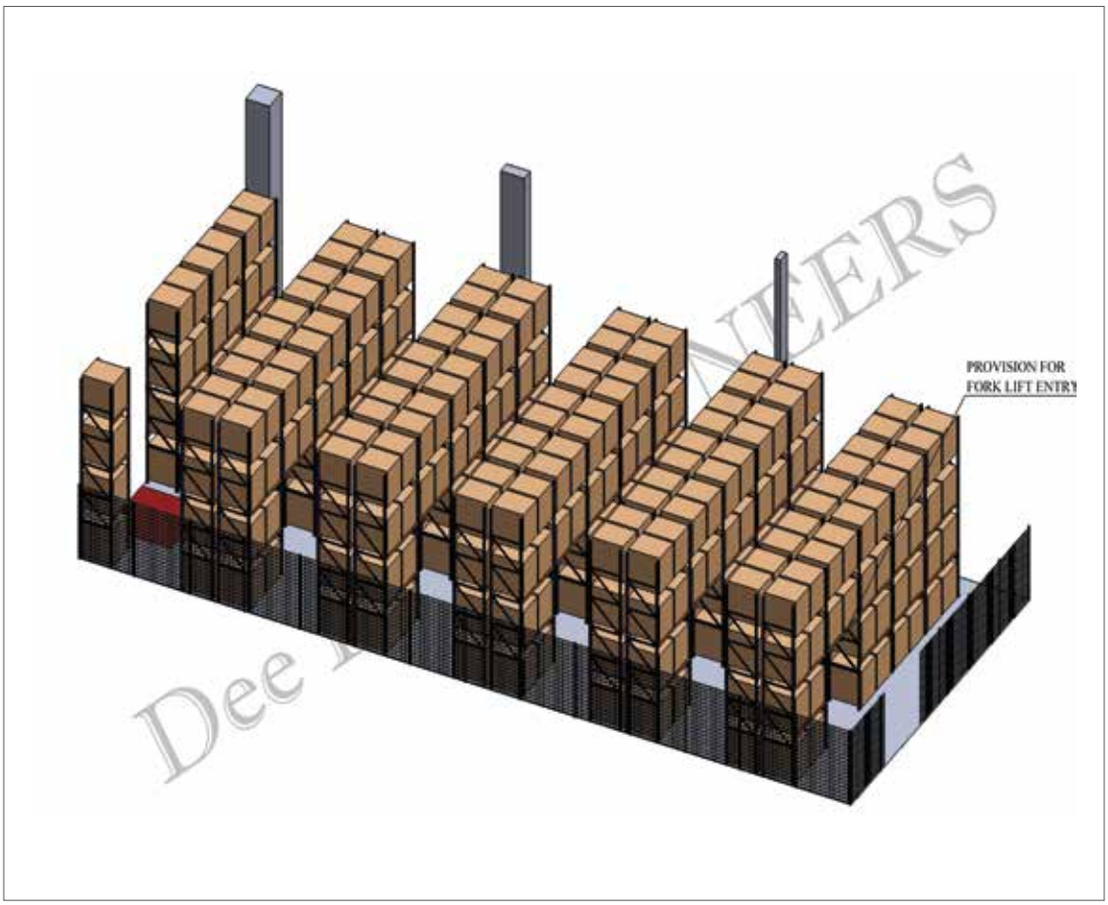


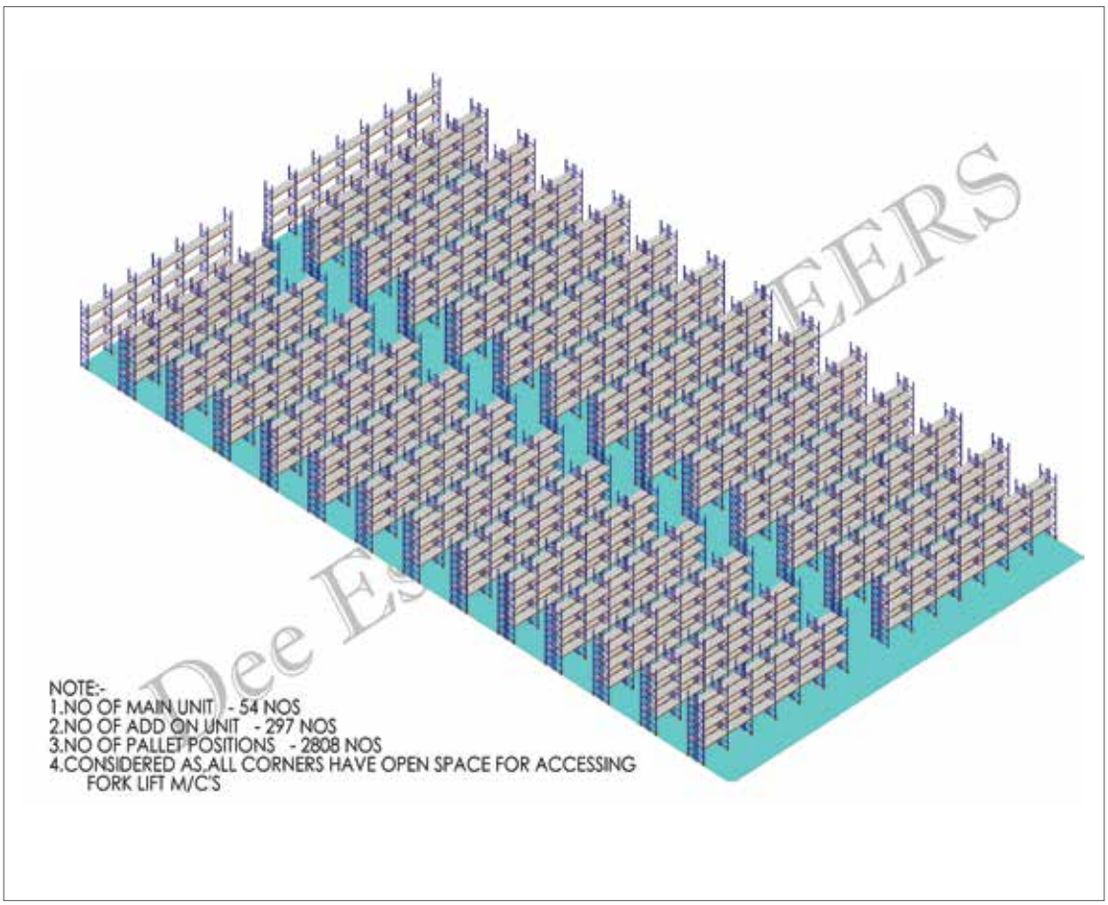
DeeEss – Material Handling & Storage Systems



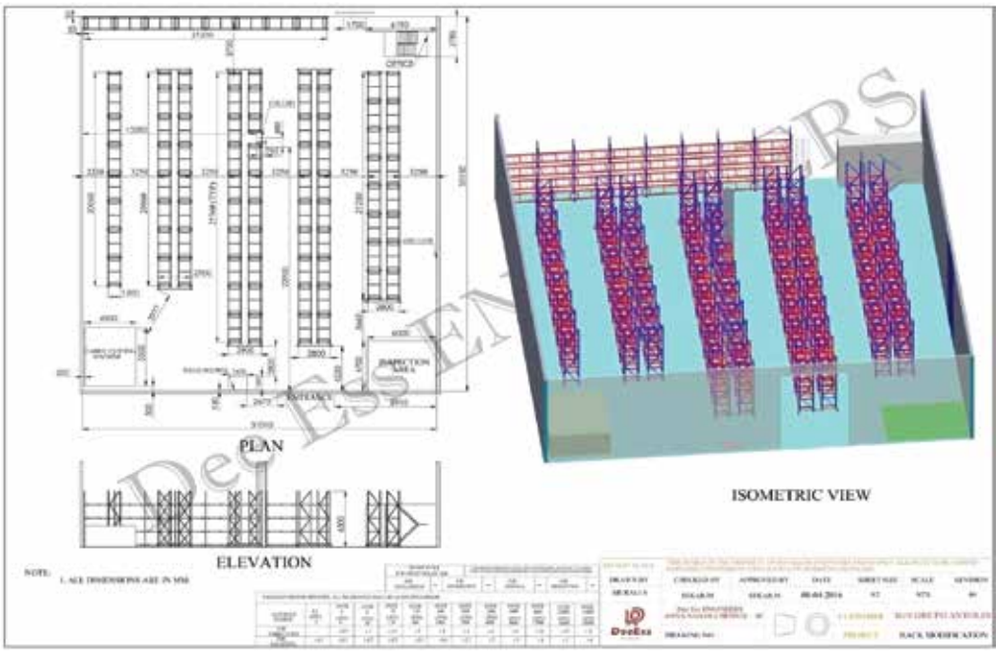


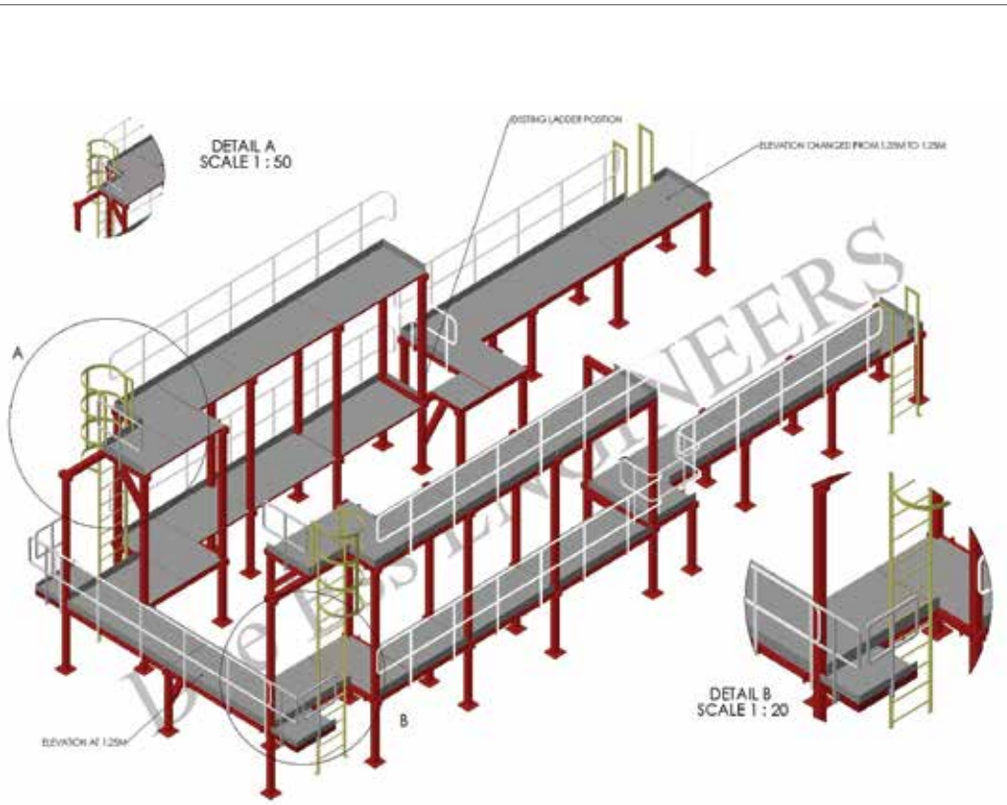
DeeEss – Material Handling & Storage Systems



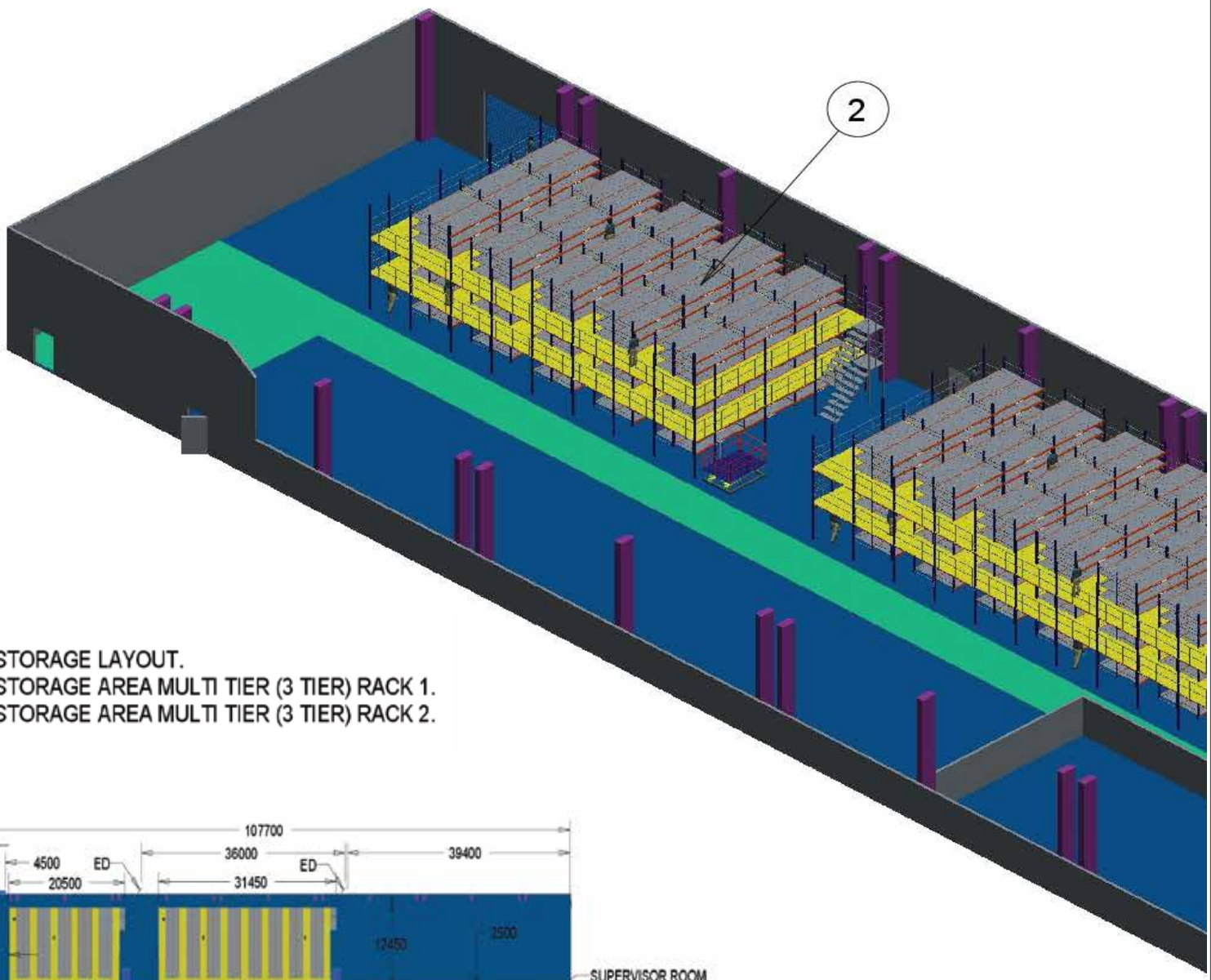


DeeEss – Material Handling & Storage Systems

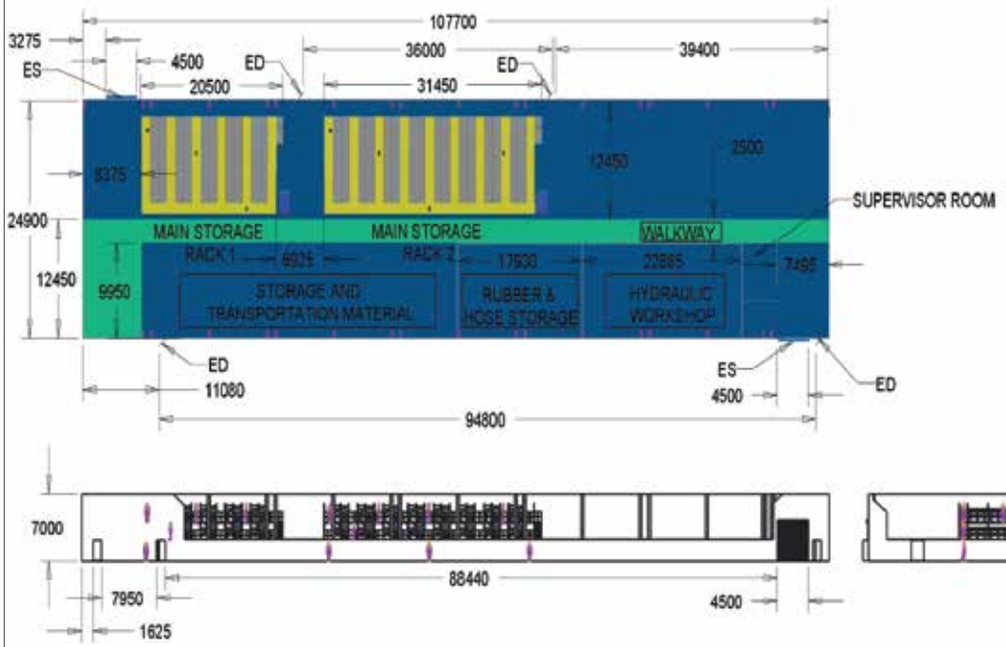


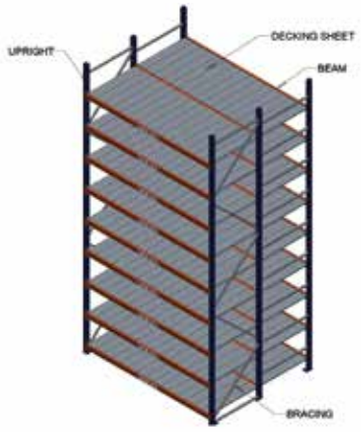


DeeEss – Material Handling & Storage Systems



NOTES:
1. MAIN STORAGE LAYOUT.
2. MAIN STORAGE AREA MULTI TIER (3 TIER) RACK 1.
3. MAIN STORAGE AREA MULTI TIER (3 TIER) RACK 2.





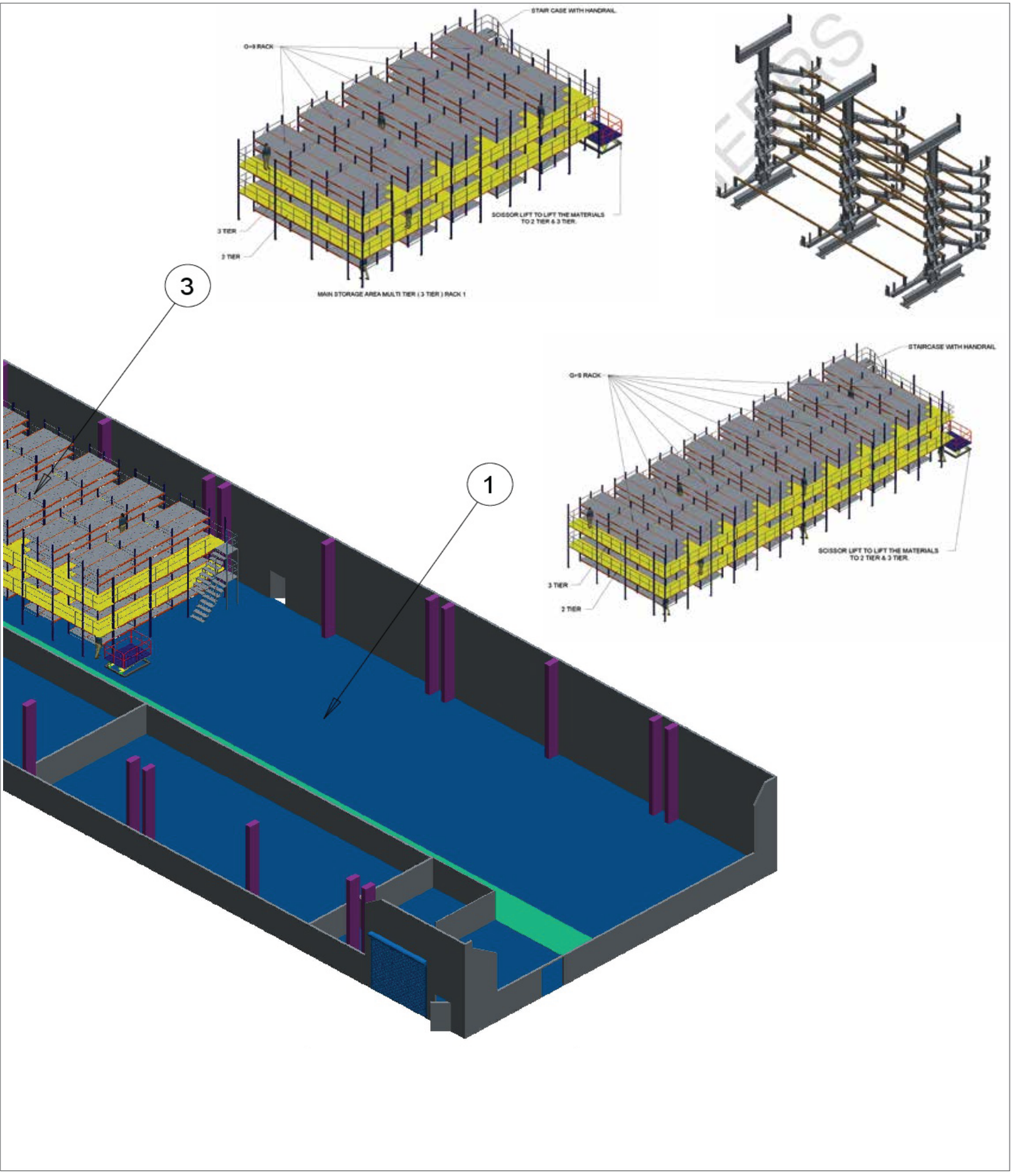
NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. LAYOUT AREA DETAILS TAKEN FROM CAD DATA SHARED BY PI.
3. DWG REFERENCE NO : NPI - A 18 - 01 REV 02.
4. MAIN STORAGE AREA GRID LOCATION FROM DWG NPI - A 18-01 REV 02 = C24 - D36.

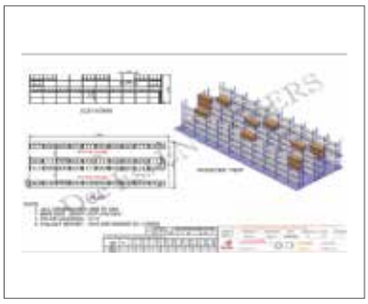
LEGENDS:

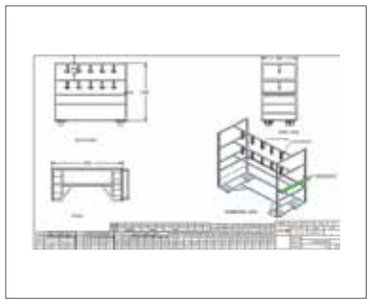
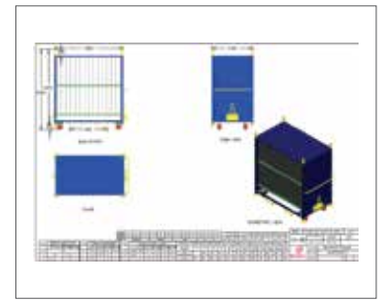
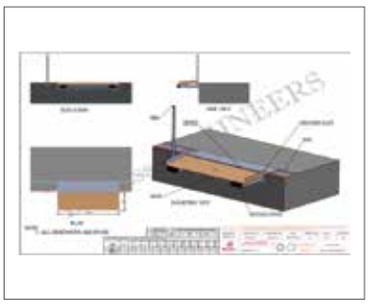
1. ED - EXISTING DOOR.
2. ES - EXISTING SHUTTER.

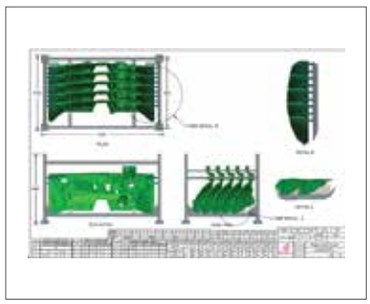
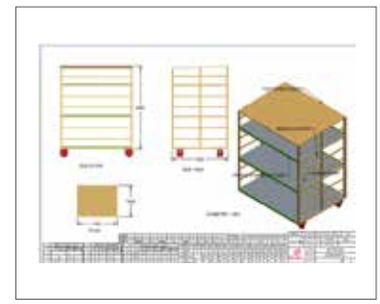
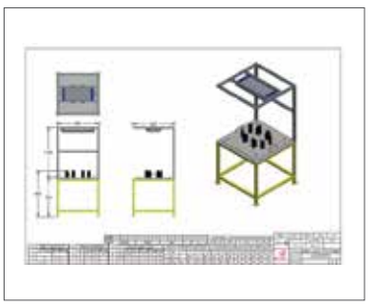
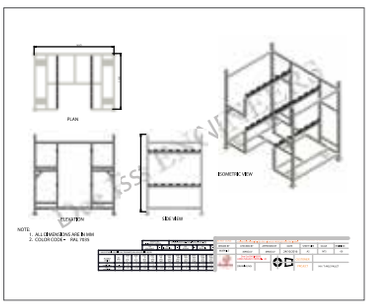
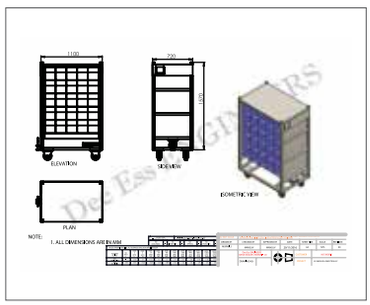
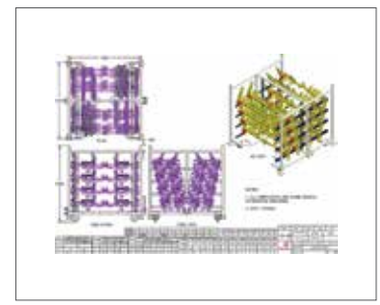
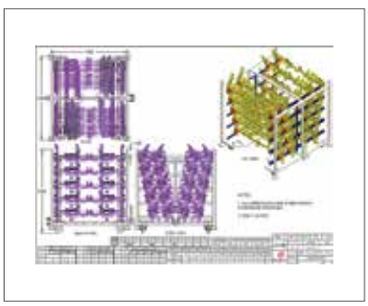
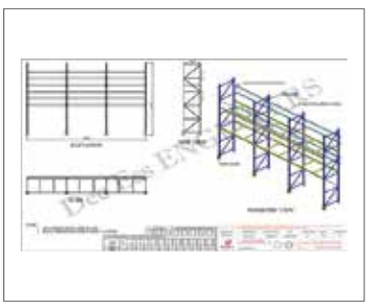
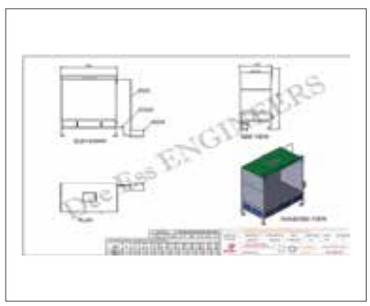
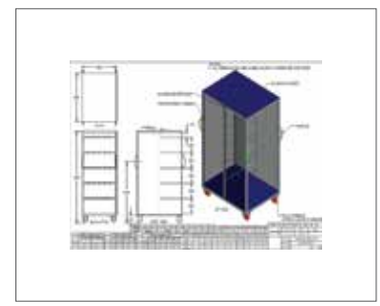
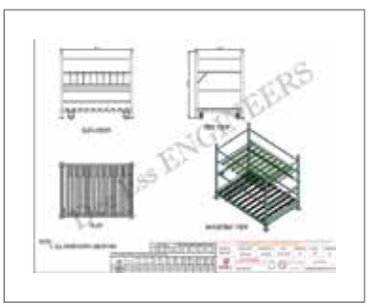
DeeEss – Material Handling & Storage Systems

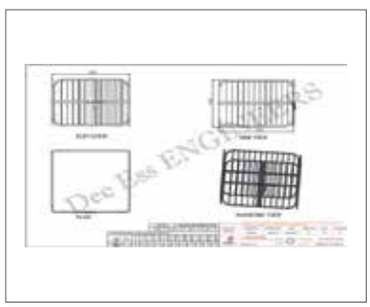
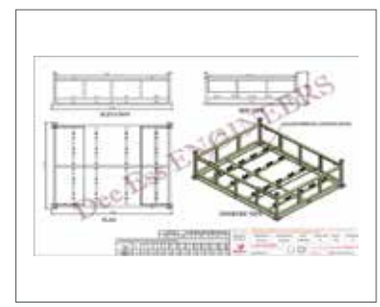


DeeEss – Material Handling & Storage Systems



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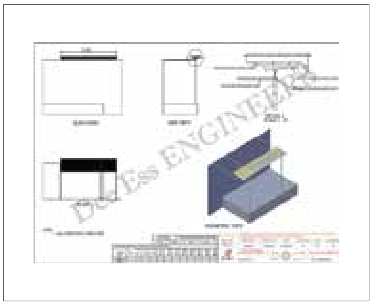
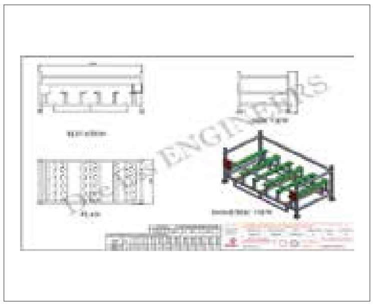
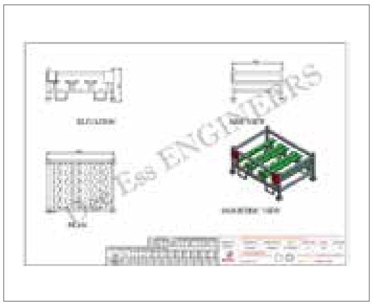
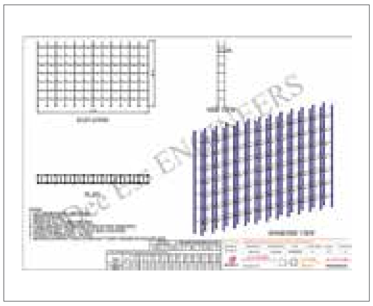
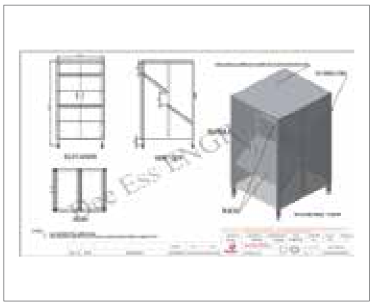
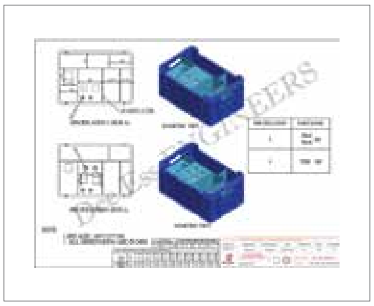
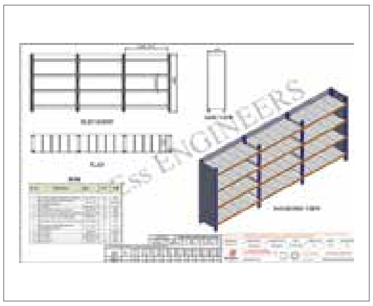
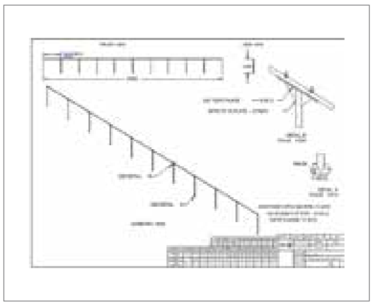
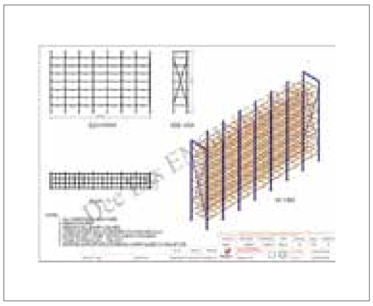

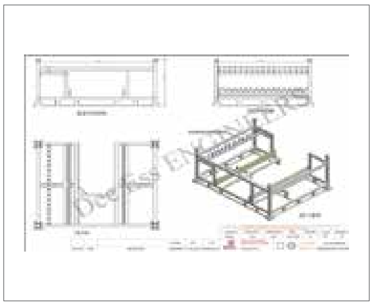
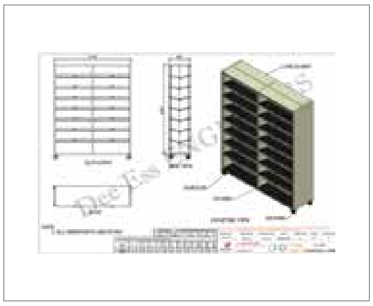
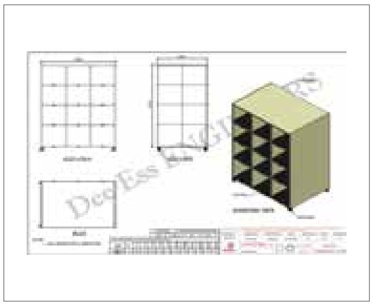
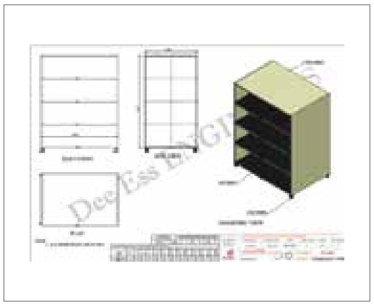
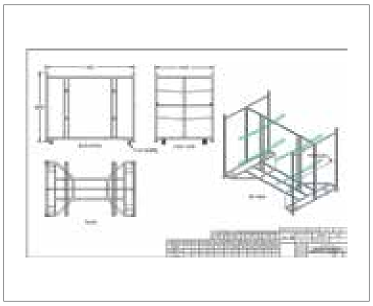
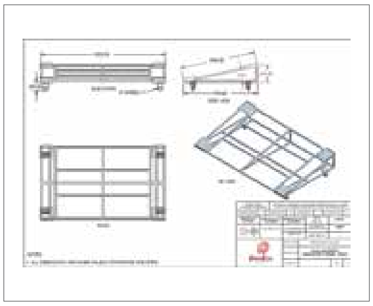
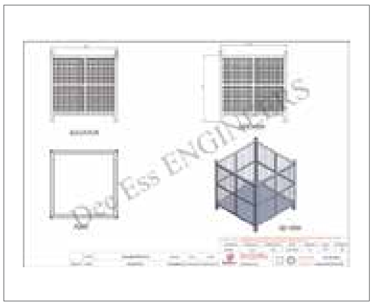
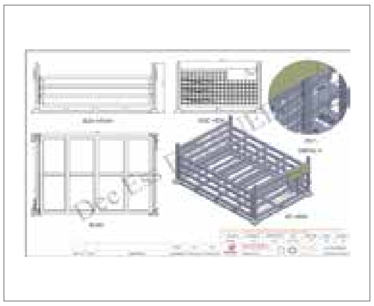
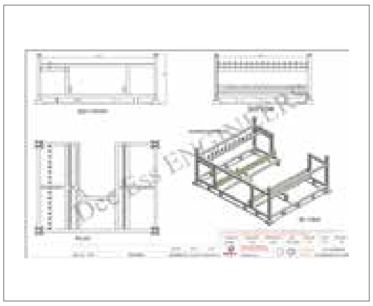
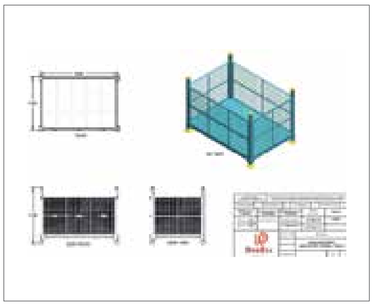
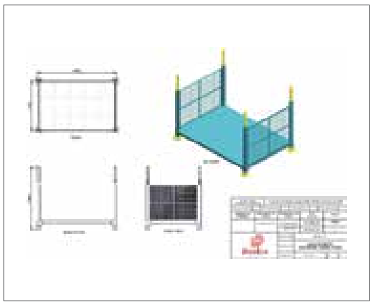
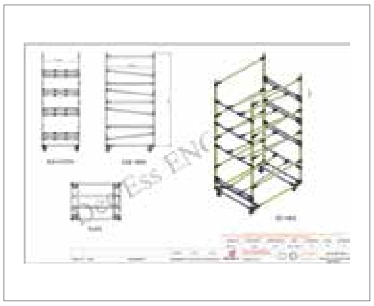
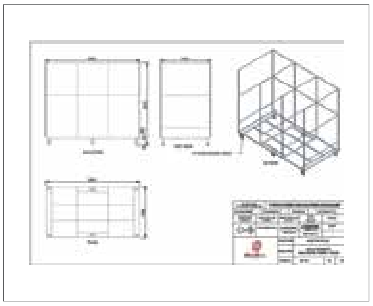
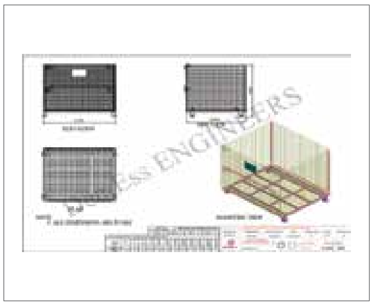

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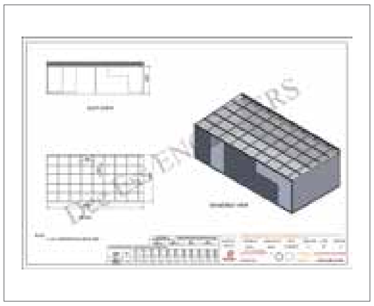
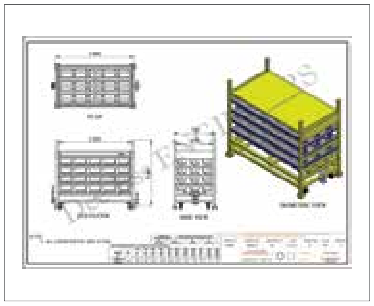

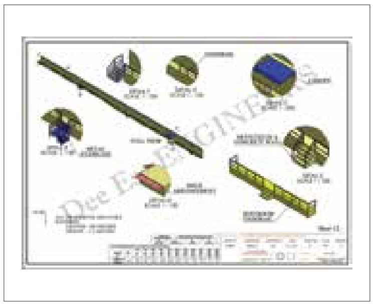
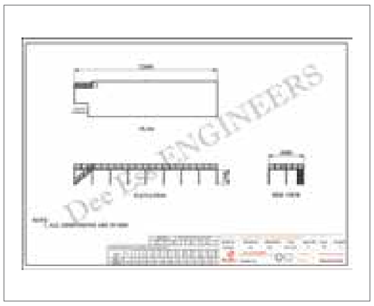

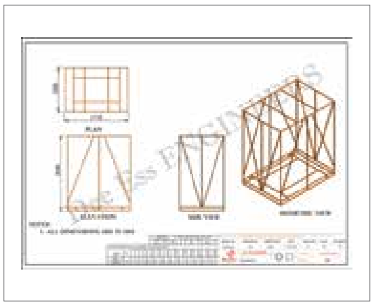
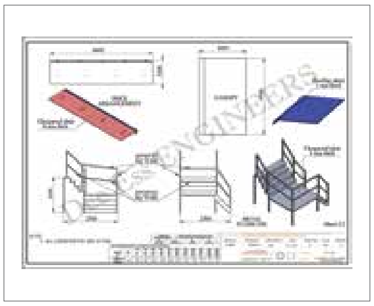

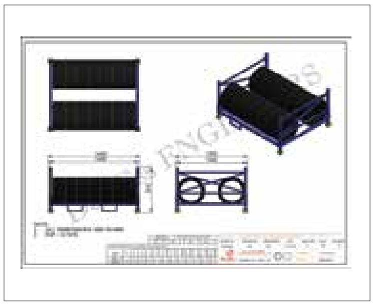
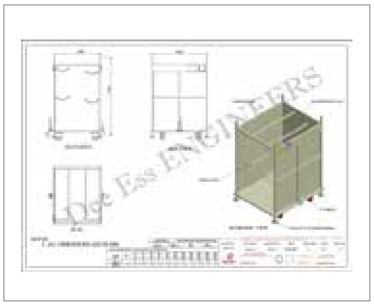

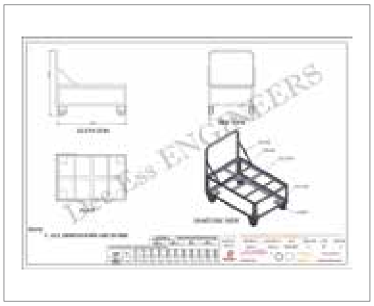
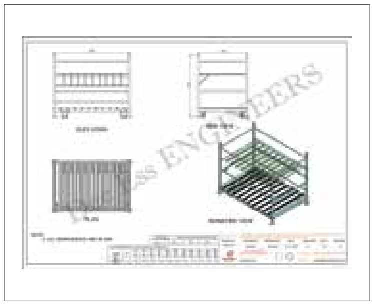

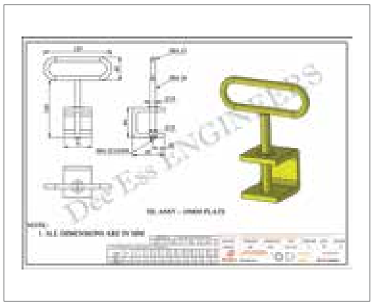
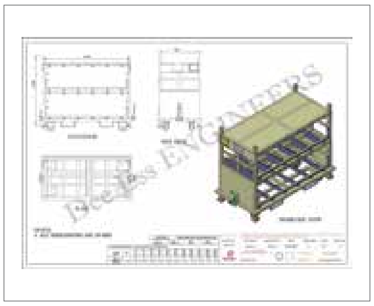
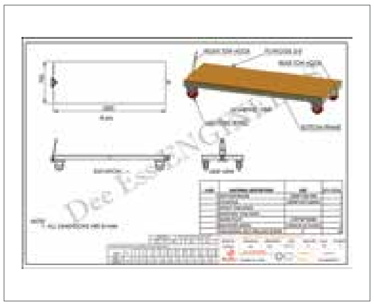
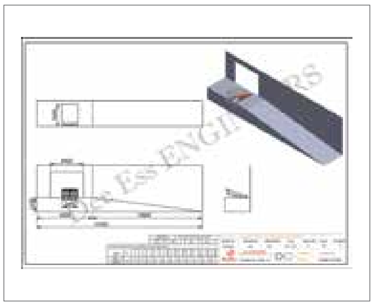
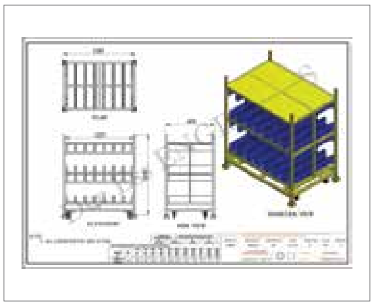
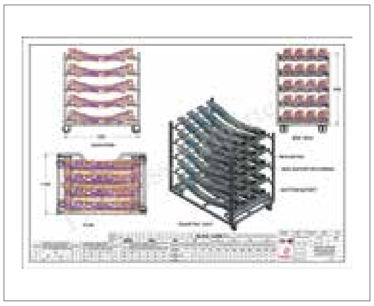
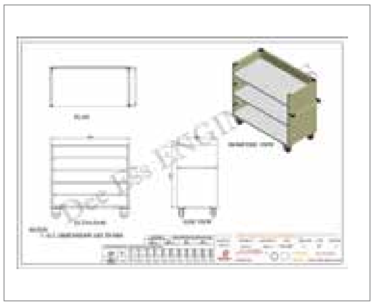
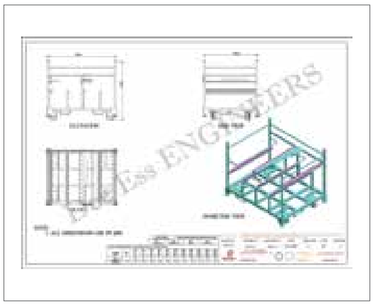
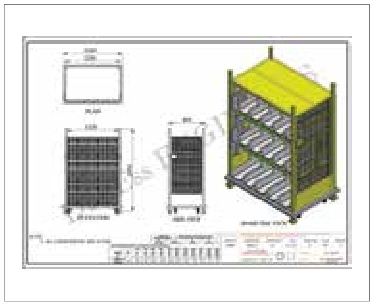

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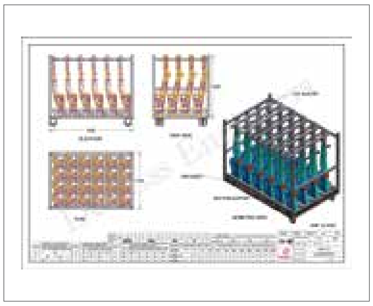
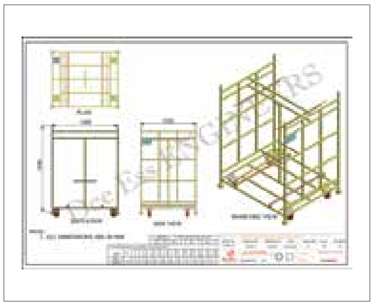
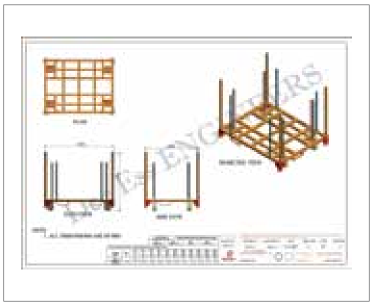
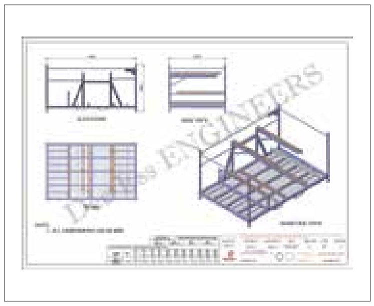
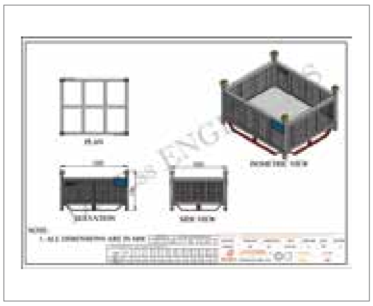
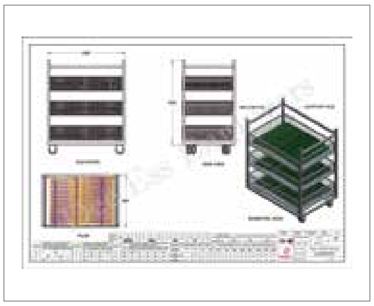
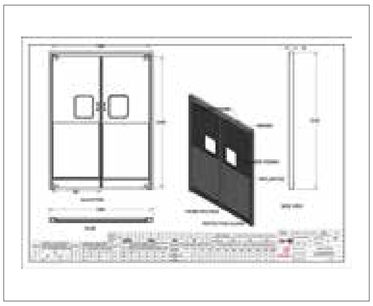
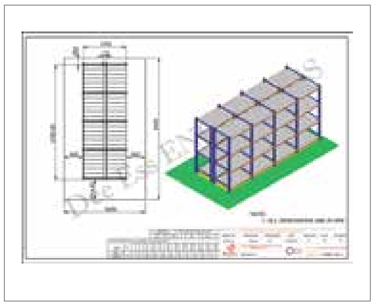
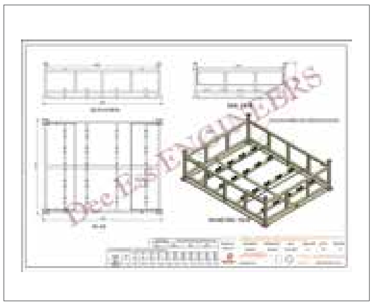

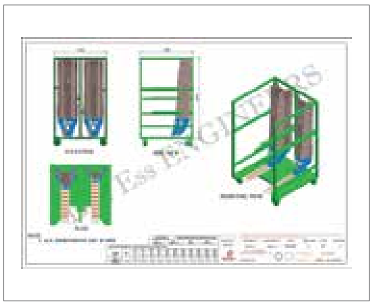
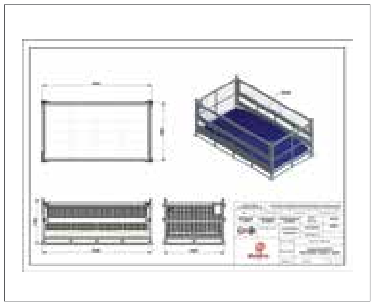
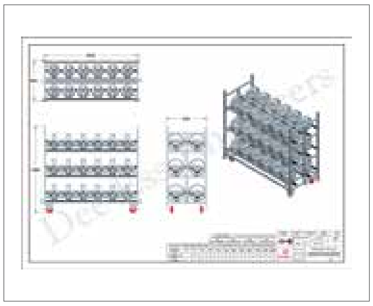
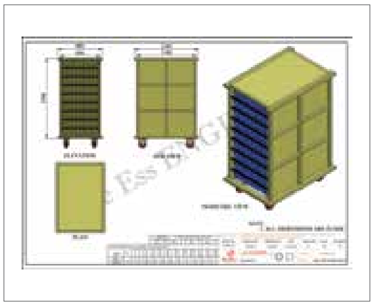
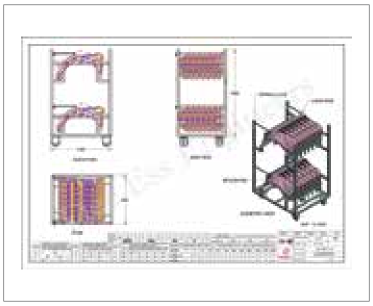
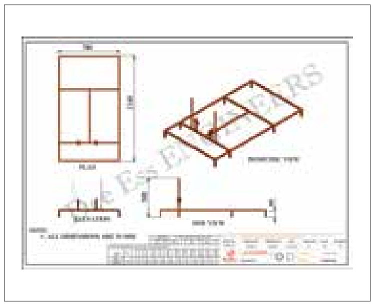
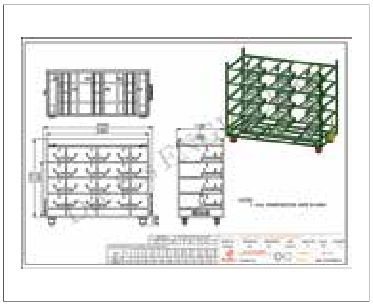


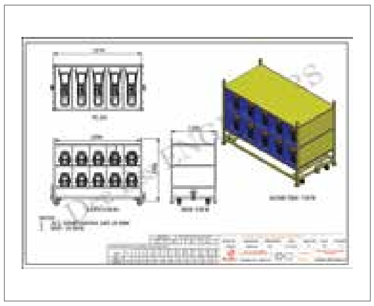

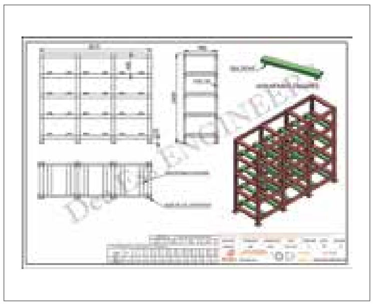

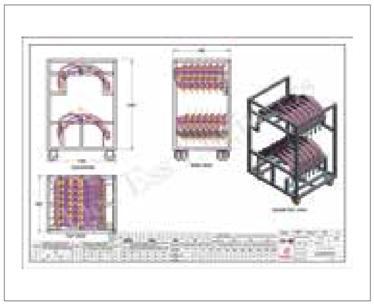

End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

DeeEss – Material Handling & Packaging Systems













End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

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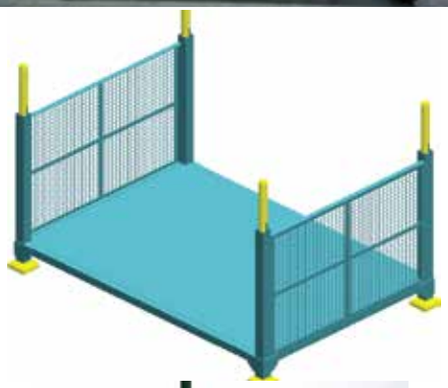

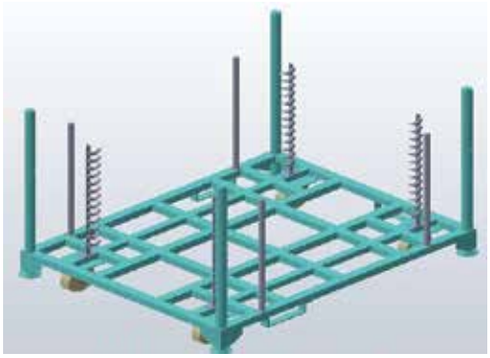


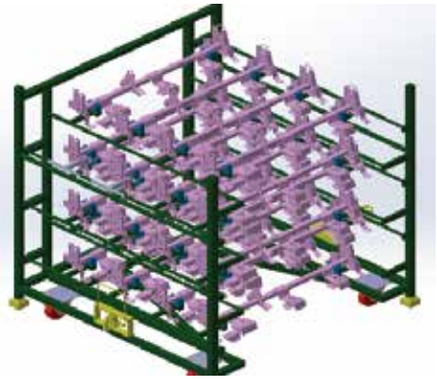





End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

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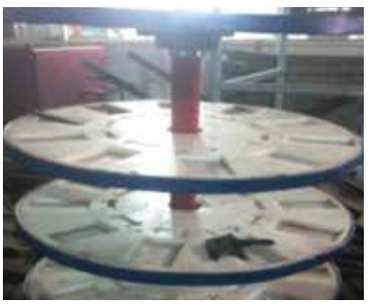
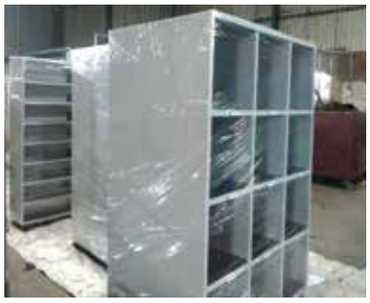
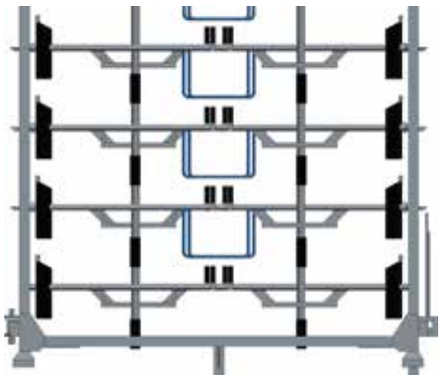
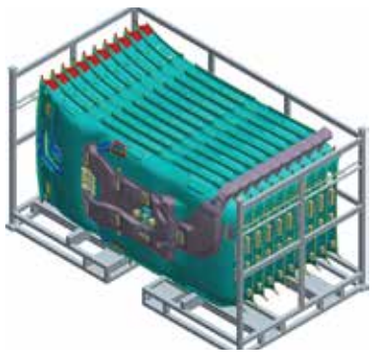
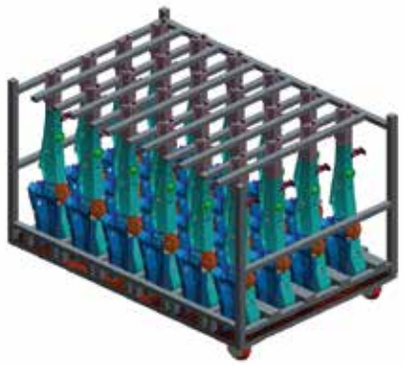



DeeEss – Material Handling & Packaging Systems

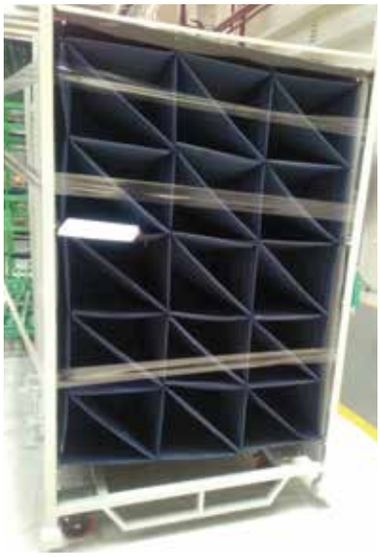






End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

DeeEss – Material Handling & Packaging Systems















DeeEss – Material Handling & Packaging Systems



















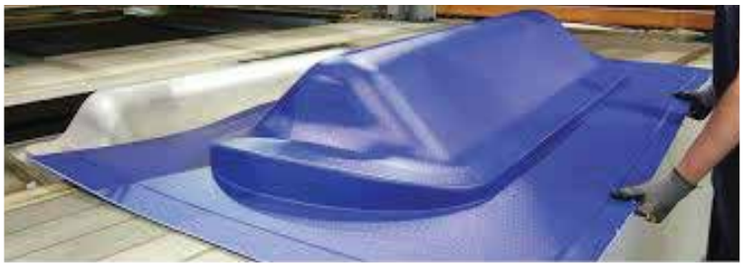
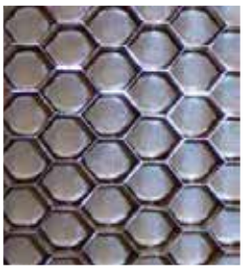
End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

DeeEss – Storage Systems

DeeEss – Storage Systems

DeeEss – Cold Storage Systems

DeeEss – Material Handling & Packaging Systems















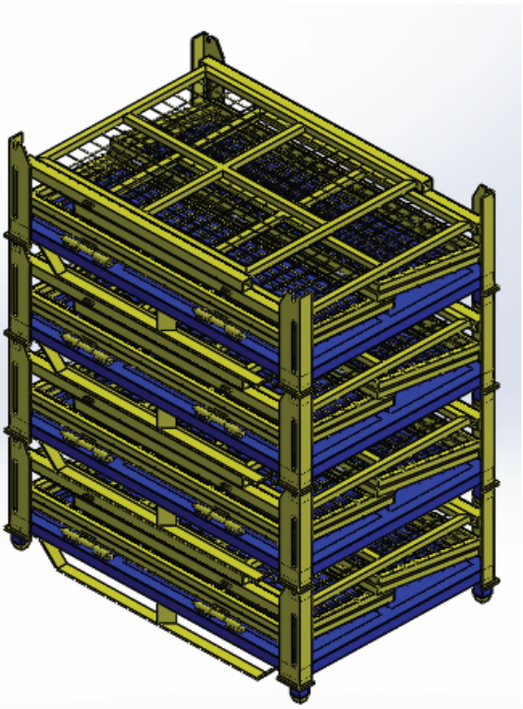

End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

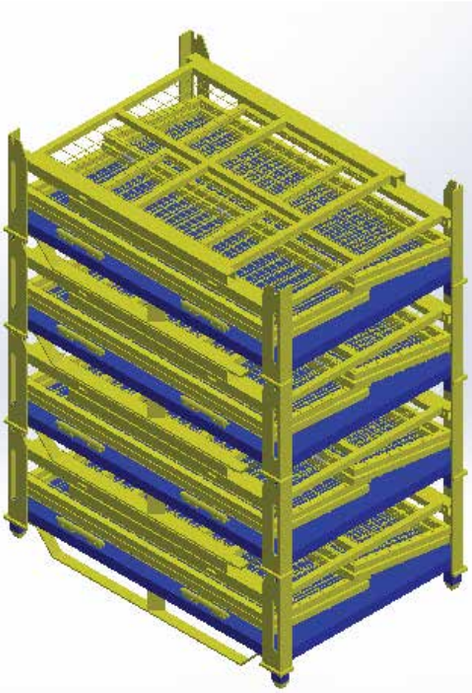
DeeEss – Warehouse Systems

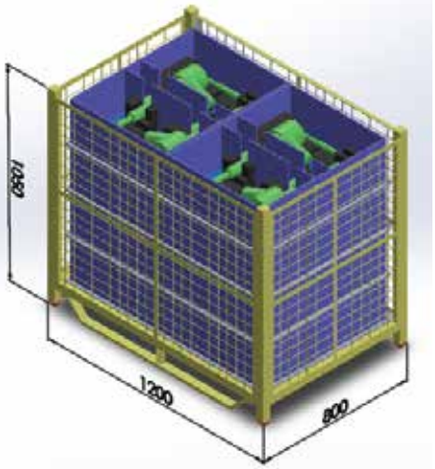
End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

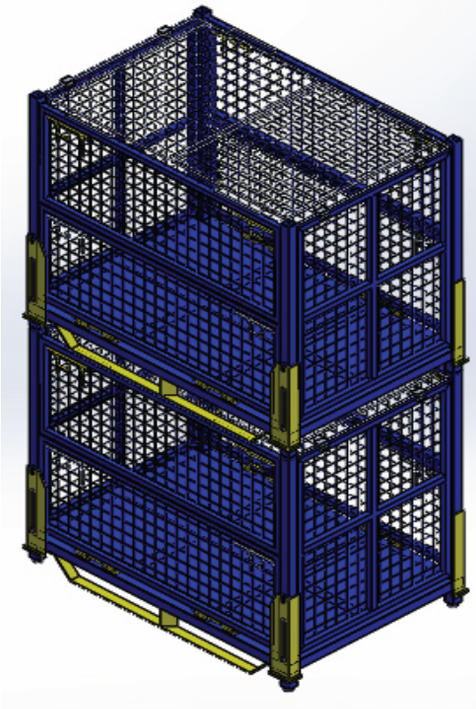
Returnable / Reusable Packaging Solution

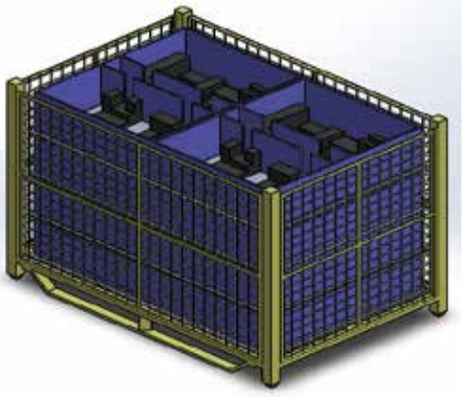
Returnable packaging concept

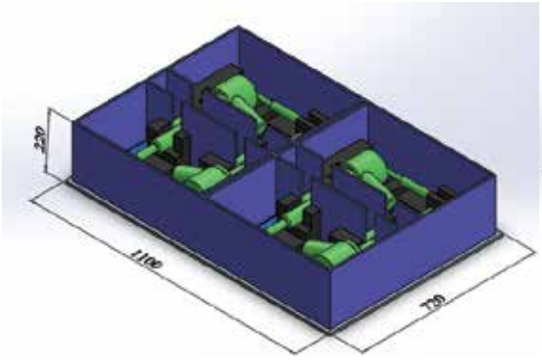


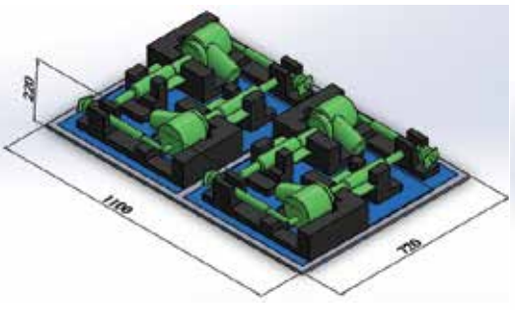


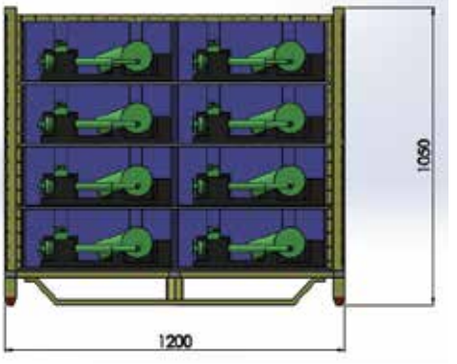












Returnable / Reusable Packaging Solution Case Study

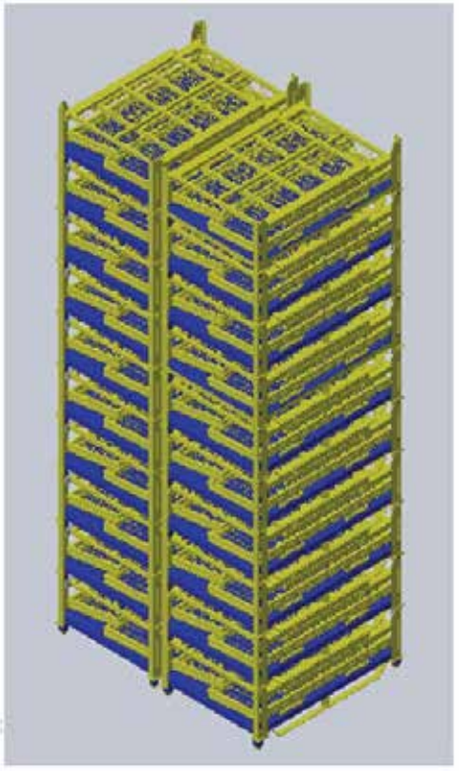
Returnable packaging - case study

Proposed design

DESIGN

Pallet Dimension (IN MM)	1280*1085*860
Parts per Bin level	Based on no of parts in a Bin
No.of. Bin Levels per trolley	Min 2 - Max 6
Load capacity / pallet	1000 kg
Stackablitiy option	YES
Stackablitiy level (Loaded Condition)	G + 2 (Total 30 no of pallets)*
Stackablitiy level (Empty condition)	10 (Total 100 no of pallets)*

* - 22' High Cube End Open container

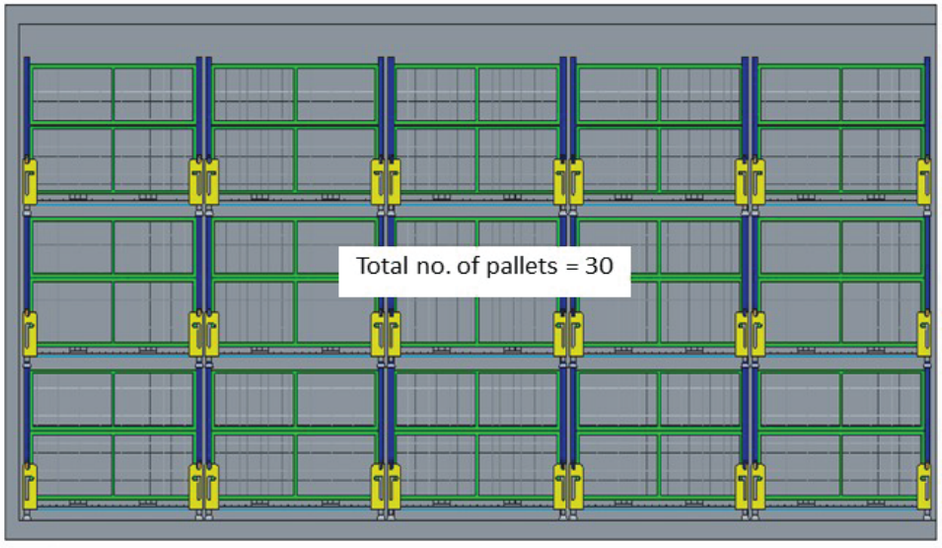


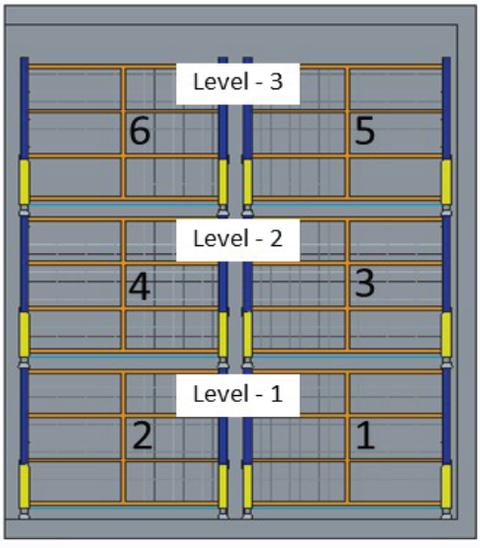
TRUCK OPTIMIZATION

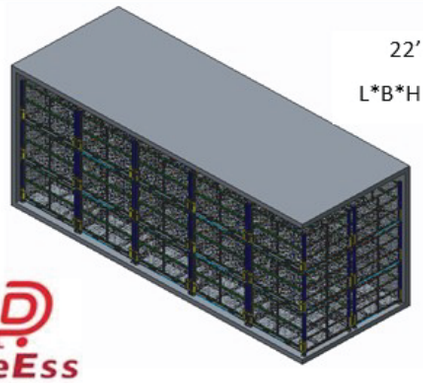
Truck to be used to shipment	22' High Cube Container
No.of. Trolleys to be loaded in Truck	30 nos
Total parts per truck	Depends on inventry
Truck Optimization	Increased in 1.5 Times
Reduction in Logistics cost	Approximatly 35%

STORAGE SPACE OPTIMIZATION

No.of. Trolleys per shipment	10 nos
Storage space require to store loaded Trolleys	95 sq.ft (G+1 condition)
Space Optimization	31%
Storage space require to store Empty Trolleys	64 sq.ft (G+2 condition)
Space Optimization	54%

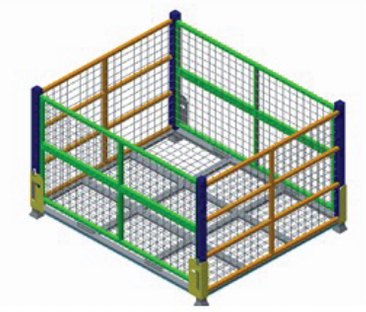






22’ High Cube End Open Container

L*B*H (Inner in mm) = 6500*2330*2700



Proposed pallet for 22’ High Cube End Open Container

L*B*H (mm) = 1280*1085*860

DeeEss ENGINEERS

Expendable Steel Racks (ESR)

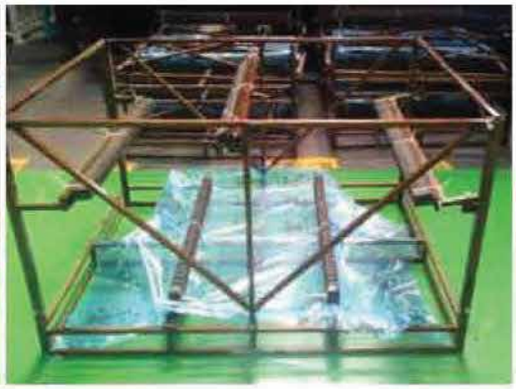
Expendable Steel Racks (ESR)







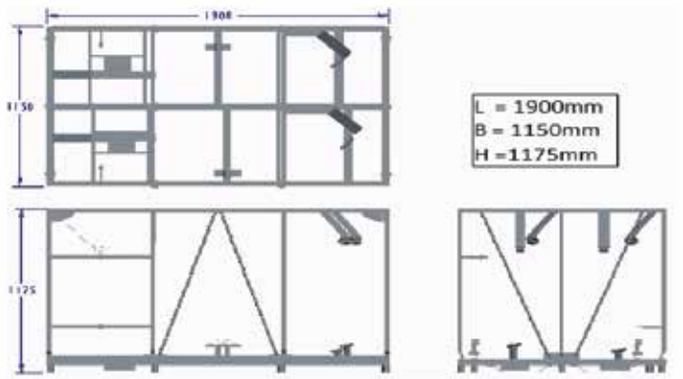


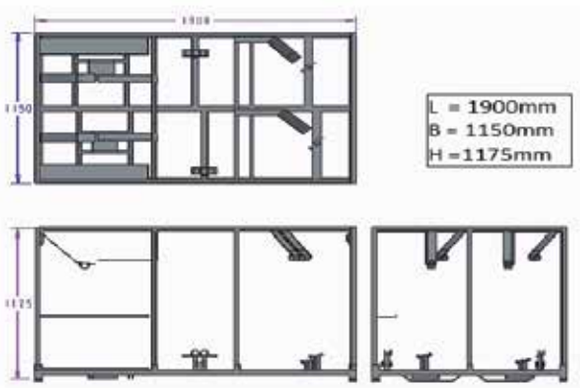


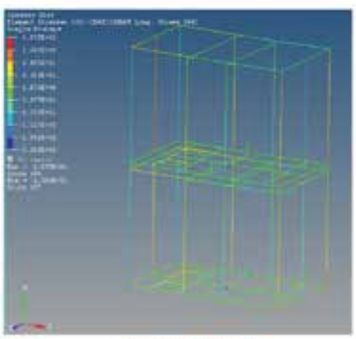
Expendable Steel Racks (ESR) Case Study

Expendable Steel Racks (ESR) - Case study

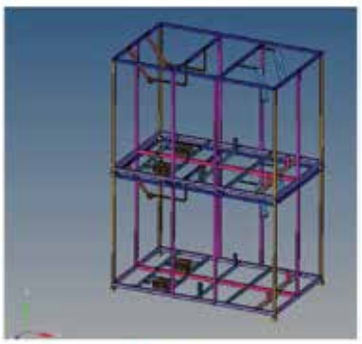
Existing



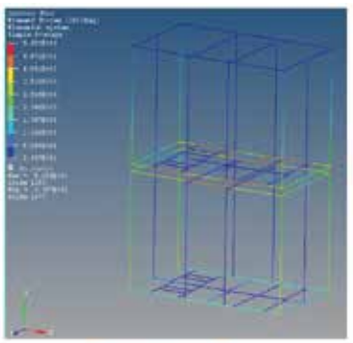




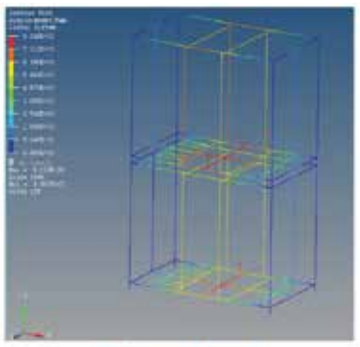
Stresses (N/mm²)



FE - Model



Member Force (N)



Deformation (mm)

Existing model

S.No	Material	Qty	Weight
1	40 sq * 1.6T	7.8m	14.78
2	25 sq * 1.6T	21.5m	18.92
3	Dia 20 * 1.6T	13m	7.28
4	1900*30*3t	2nos	1.7898
5	200*30*3t	8nos	0.7536
6	200*60*3t	8nos	1.5072
7	300*200*3t	2nos	1.884
8	600*100*3t	2nos	1.884
9	800*80*3t	2nos	2.0096
10	700*80*3t	2nos	1.7584
11	95*515*3t	4nos	3.07249
12	5*40*400	2nos	1.256
13	200*55*3t	2nos	0.3454
14	100*200*3t	2nos	0.628
15	200*50*3t	6nos	0.942
16	120*60*3t	4nos	0.45216
17	180*75*3t	4nos	0.8478
18	4*40*200	4nos	1.0048
19	Dia 50 * 2t * 50	12nos	1.44
20	Dia 38 * 2t * 40	12nos	0.85
21	Dia 75 * 4t * 4t	12nos	1.66
			65.06525

(+ fasteners)

Proposed Design

S.No	Material	Qty	Weight
1	30sq * 2T	8.98m	15.266
2	25*25*25*2t	4.7m	5.55
3	5*40	0.8m	1.256
4	25sq * 0.8T	6.6m	3.96
5	25 sq * 1.6T	7.14	8.1396
6	20*45*20*3t	1.1m	2.201925
7	270*2t	0.3m	1.2717
8	25*25*25*4t	0.06m	0.14
9	50*25*50*4t	0.06m	0.24
10	110*30*2t	2nos	0.10362
11	110*50*2t	2nos	0.34697
12	200*40*2t	2nos	0.2512
13	45*45*25*3t	4nos	0.5
14	50*450*2t	4nos	1.413
15	50*300*2t	2nos	0.471
16	20*120*20*2t	1.2m	3
17	20sq * 1t	6m	3.48
			47.591015

(+ fasteners)

Engineering, Procurement, Construction

Plant general maintenance
Canteen requirements
Structural works
conveyors
Critical machining
Insulations
Tanks
Structural Analysis
Bunkers
foil
Jig & Fixtures
Piping & Pipeline

End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

Engineering, Procurement & Construction (EPC)












End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

Engineering, Procurement & Construction (EPC)





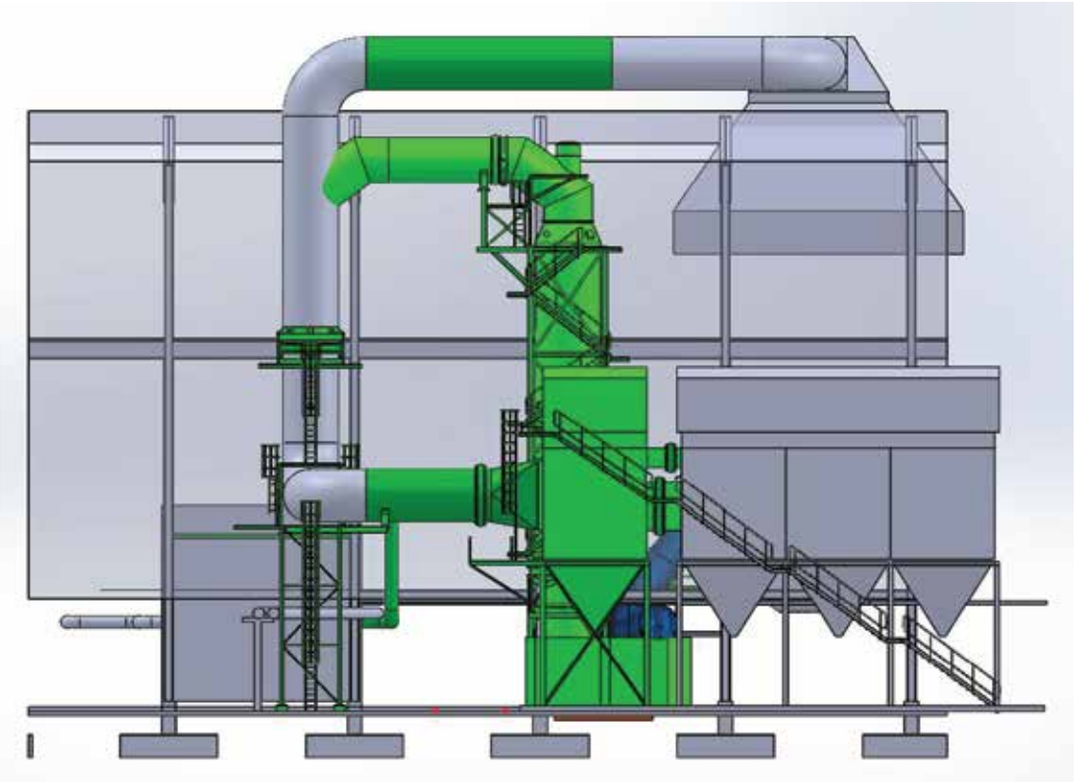


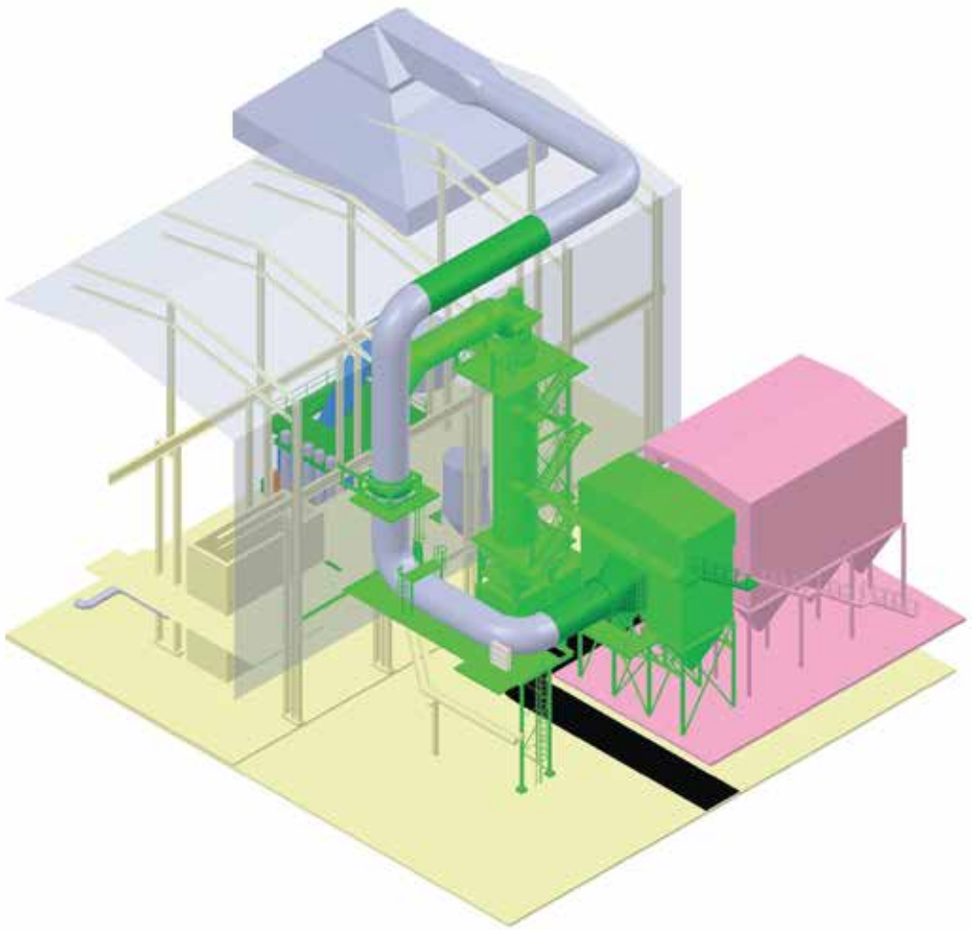


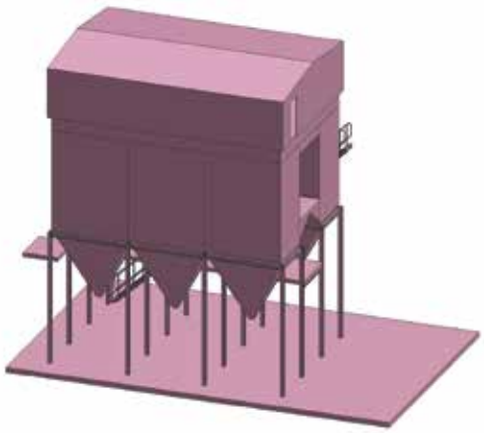



End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC

Engineering, Procurement & Construction (EPC)







DeeEss Execution Engineering - Capabilities

Press break

Pipe pending

Plano milling

Shearing

Horizontal boring

VMC(8000/2000

Plasma cutting

Pipe metal rolling

Laser cutting

Vertical leg

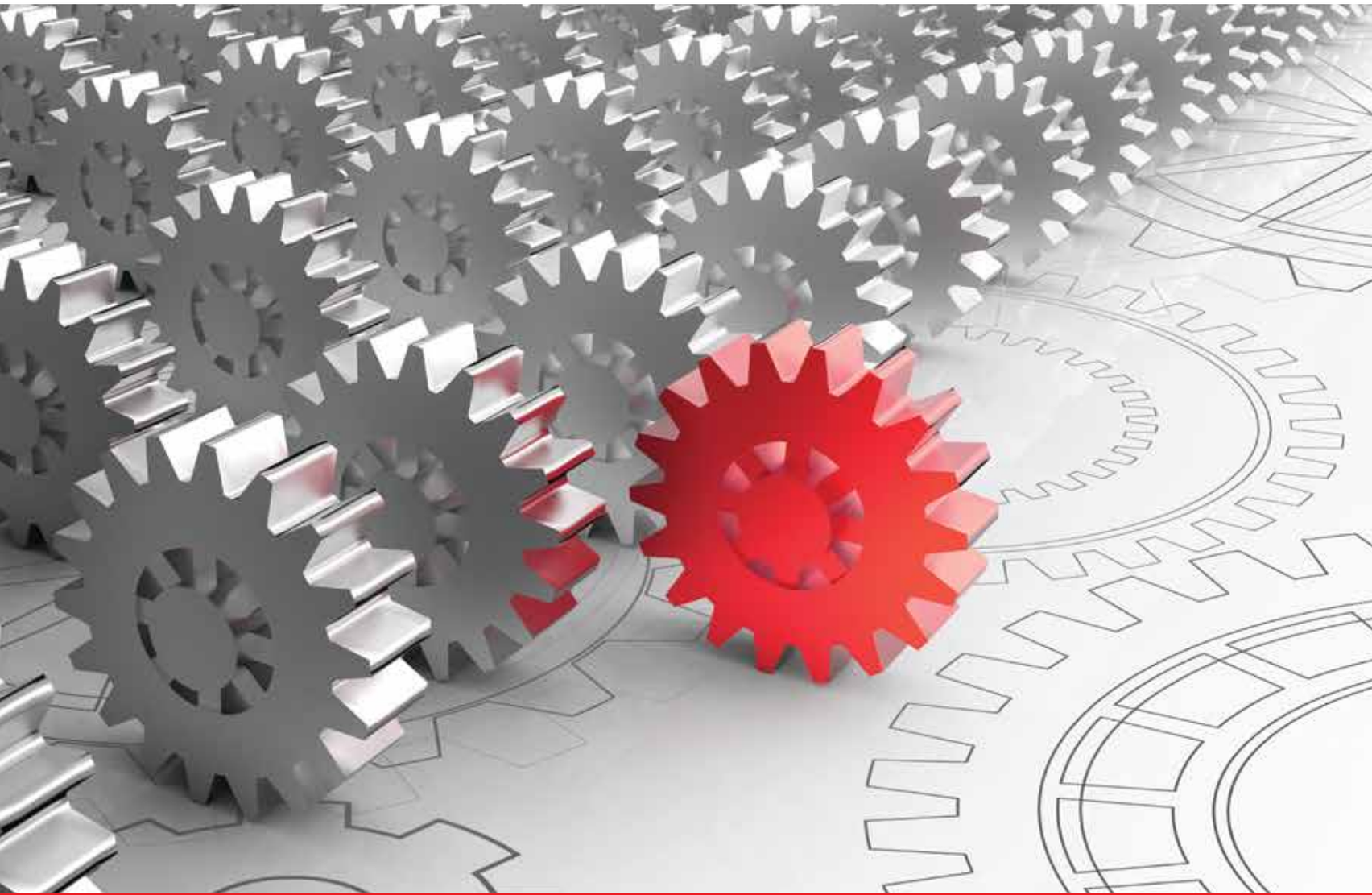
Vertical cutting

Rolling

DeeEss Execution

Execution Management Responsibilities

- Materials & Product flow
- Process planning
- Manufacturing
- Inventory warehousing
- Assembly planning
- Worker training
- Workforce scheduling



DeeEss Process

DESIGN

- Concept generation
- Preliminary design
- Evaluation & improvement
- Prototyping & final design
- Design approval
- Issue of fabrication drawings

EXECUTION

- Review supplied drawings
- Plan execution process
- Select most appropriate layout
- Process order per specifications
- Final inspection
- Ship order to Despatch

QUALITY

- Address customer needs and expectations in a timely manner.
- Continually improving our processes and manpower through innovation training.
- Conduct stage and final inspections & preparation of associated reports.
- Continuously raising quality within the company and our customers.
- Developing sound practices for effective waste management & proper consumption of electricity.

DISPATCH

- Packaging
- Transportation

DeeEss Principles

Product Development Principles

- Technological Superiority: Achieving market leadership through innovation.
- Fit-of-purpose: Matching products to customer’s precise needs.
- Responsibility: Complying and exceeding with current legislation and regulations.
- Total reliability in quality levels, product performance and production methods.
- Consistent product performance guaranteed across all customer locations.
- Continuous assessment to further improve production processes.
- Wide knowledge in customize Designs

DeeEss Quality Assurance

Quality Assurance Responsibilities

- Product Quality (In coming, In process & Final Inspection).
- Vendor Quality (Stage inspection at various level).
- Preparation of documentation and quality related procedures.
- Conducts Quality Audit / Review meeting regularly.
- Review and analyse customer complaints and other re-occurring problems in the process.
- Define process and continuous process improvement.

DeeEss Quality Control

Quality Control responsibilities

- Client and customer co ordination and handling.
- Material inspection during receiving and before issuance to fabrication.
- Welding control and monitoring of repair rates.
- Marking & layout inspection.
- Fit up & weld visual inspection.
- Non Destructive Testing (NDT)
- Final product review, witness & clearance.
- Surface preparation & painting inspection.
- Packing & shipment inspection.

DeeEss Purchasing

Purchase Management Responsibilities

- Vendor qualification, selection, evaluation
- Out-sourcing parts or subassemblies
- Raw materials
- Materials planning
- Vendor expedite (Raw materials, Sourced parts)

DeeEss Strategies

Category	Potential Risk	Contingency Plan	Preventative Measures
MATERIAL	Material shortage due to: 1.Delivery delay 2.Uncontrollable reason	1. Maintain stock level finish goods. 2. One week buffer stock.	1. Give 3 months forecast to suppliers 2. Regular visit to local suppliers 3. Monitor suppliers performance on a monthly basis.
MACHINE	Machine breakdown	1. Conduct trial for alternative machine. 2. Keep back up sub contractors in case alternative machine is not available.	1. Strictly follow machine preventive maintenance problem. 2. Maintain stock of commonly used spare parts of machines.
MAN	Line stoppage due to labour problem.		1. Strengthen labour management council activities. 2. Regular LMC meetings (every week) to discuss LMC concerns and to address labour issue.
POWER OUTAGE	Electrical supply breakdown	Standby generator is available in case of power outage.	1. Continue conducting substation preventive maintenance. 2. Quarterly check up of electrical circuit breakers to check for any abnormality.
FIRE	Occurrence of fire	Implement emergency response procedure	1. Continue to implement monthly 5's & safety patrol to verify that all safety measures are implemented. 2. Strictly follow external audit advise & improvement suggestions.

Why DeeEss?

- Assured cost saving in existing method through engineering analysis.
- Experts in providing simple solutions.
- Experience in the field with high technological knowledge.
- We work closely with our customers, providing innovative, value added solutions in all market sectors we serve.
- We deliver unprecedented and sustained business results for our clients.
- Suggesting multiple solutions for single proposals.
- Ensuring on time delivery through effective project management
- By understanding the industry's constantly changing demands, we are able to develop performance-enhancing fabrications solutions.
- We have the people, the products and the processes to make your business more competitive.
- Ensuring a positive contribution to society.

For further information and related questions please contact

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DeeEss

No Reasons Only Result.

End to End solution provider - Material handling, Industrial packaging, Storage, warehouse Systems and EPC