

{ Flat Silos }



Raw Sugar Flat Storage (120,000 Ton)



Grain Flat Storage (60,000 Ton)

- The company has implemented a lot of horizontal storing in different locations to store different materials.
- Scope of work including the followings :
 - i. Design / Engineering works:
 1. NDESCO create 3D models for the whole grain storing system including sections and thickness, also the relations between the system components
 2. Dynamic loads from mechanical equipment are applied to the system and then we can get the loads on both structure and civil parts to get the optimum design.

➤ Civil works:

1. NDESCO Engineering also providing Turnkey solutions for civil work in industrial applications such as Belt Conveyor foundations, manufacturing Plant, under ground tunnels, inclined ramps and warehouses,

2. Our Civil division has the qualified staff to serve the large projects such as Commercial and industrial buildings.

ii. Electro–mechanical include intake pits, bucket elevator, longitudinal belt conveyors, upper charging tripper car & Complete electrical and control works) Steel structure works

➤ All executed projects are running with high performance 24 hr./ day.

Grain Flat Silo (60,000 Storing Capacity)



Main Features

Charging tripper car

Charging Belt Conveyor

Storage Steel Structure

Charging Bucket Elevator

Discharging System

Retaining Walls

Storing Material

Discharging Conveyors

Tipping Station

Detail of Belt Conveyor Drive

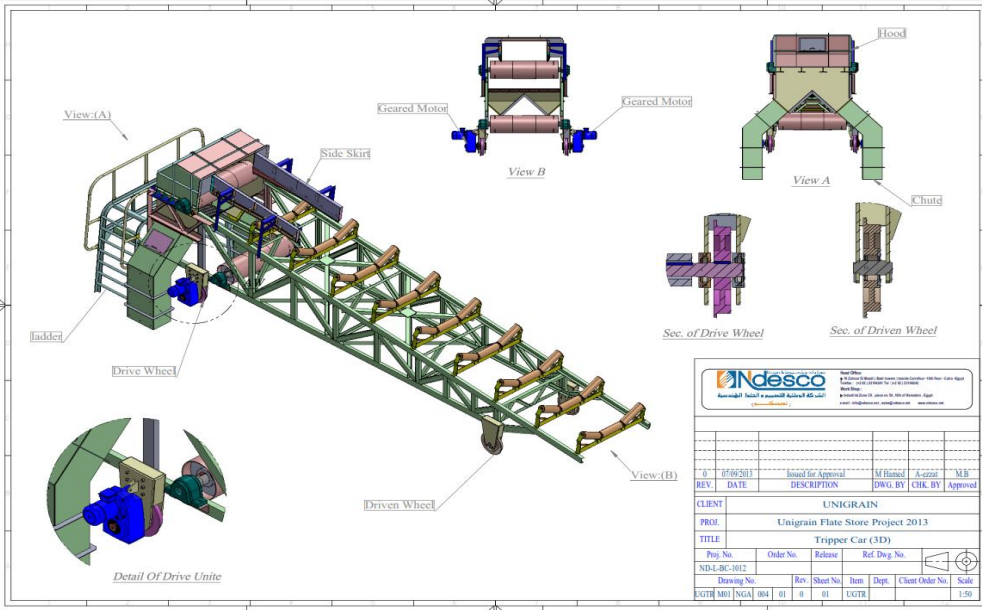
Detail of Bucket Elevator Bottom

Detail of Bucket Elevator Head

Detail of Tripper Car

Ndesco		Design & Engineering solutions	
REV	DATE	DESCRIPTION	APPROVED BY
01	2013/05/01	UNIVERSITY	UNIVERSITY
UNIVERSITY Flat Stone Project 2013			
Drawing No.	Rev	Sheet No.	Scale
2013/05/01	01	01	1:1

Design & Engineering



View (A)
View (B)
View (C)
Detail of Drive Unit

Labels: Ladder, Drive Wheel, Side Skirt, Geared Motor, Hood, Chute, Drive Wheel, Driven Wheel

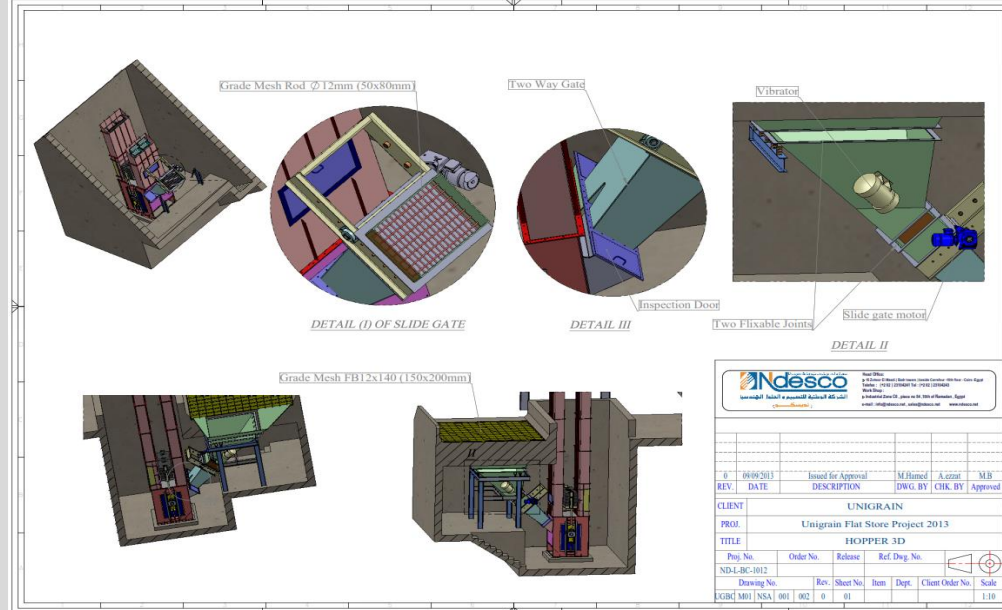
REV.	DATE	DESCRIPTION	BY	CHK.	BY	Approved
0	07/09/2013	Issued for Approval	M.Hamed	A.azam	M.B.	

CLIENT: UNIGRAIN
PROJ: Unigrain Flat Store Project 2013
TITLE: Tripper Car (3D)

Proj. No.	Order No.	Release	Ref. Dwg. No.	Scale
ND-L-BC-1012				1:50

Drawing No. Rev. Sheet No. Item Dept. Client Order No. Scale

EGTR M01 | NGA | 001 | 0 | 01 | UGTR | Client Order No. | Scale | 1:50



DETAIL (I) OF SLIDE GATE
DETAIL III
DETAIL II

Labels: Grade Mesh Rod ϕ 12mm (50x80mm), Two Way Guide, Inspection Door, Vibrator, Slide gate motor

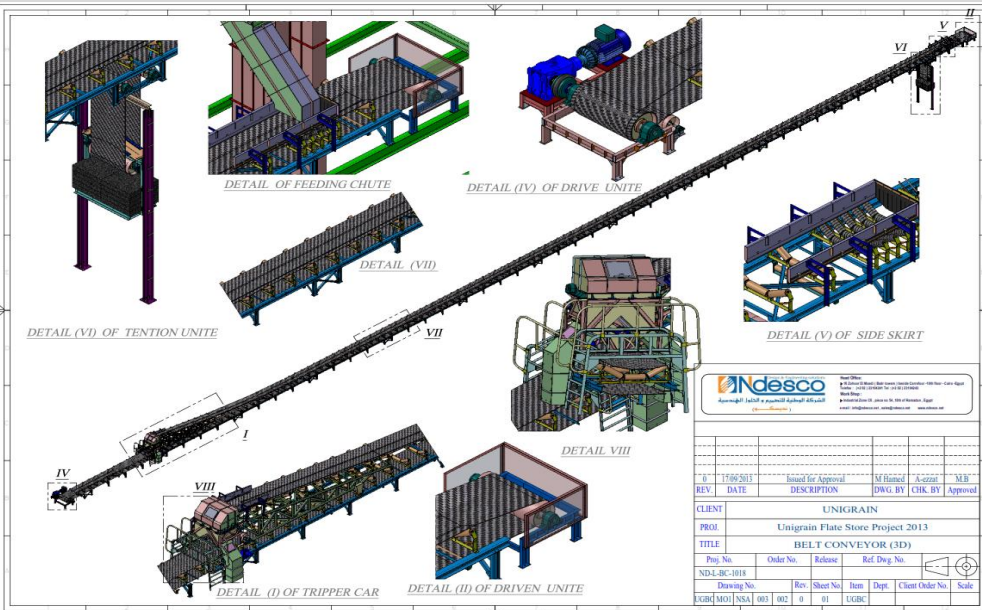
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CLIENT: UNIGRAIN
PROJ: Unigrain Flat Store Project 2013
TITLE: HOPPER 3D

Proj. No.	Order No.	Release	Ref. Dwg. No.	Scale
ND-L-BC-1012				1:10

Drawing No. Rev. Sheet No. Item Dept. Client Order No. Scale

EGTR M01 | NGA | 002 | 0 | 01 | UGTR | Client Order No. | Scale | 1:10



DETAIL (I) OF TRIPPER CAR
DETAIL (II) OF DRIVEN UNITE
DETAIL (IV) OF DRIVE UNITE
DETAIL (V) OF SIDE SKIRT
DETAIL (VI) OF TENSION UNITE
DETAIL (VII)
DETAIL (VIII)
DETAIL OF FEEDING CHUTE

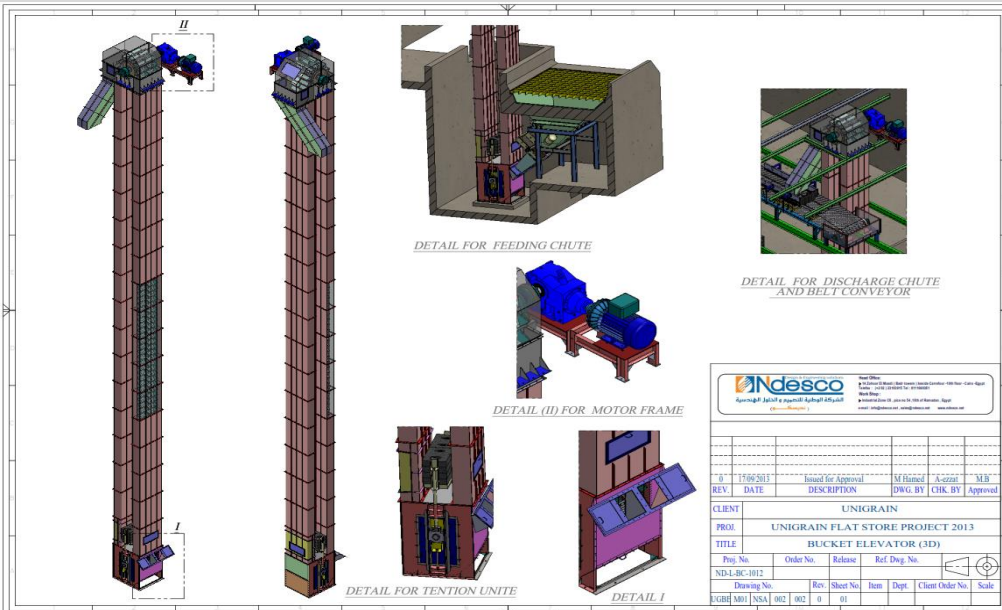
REV.	DATE	DESCRIPTION	BY	CHK.	BY	Approved
0	17/09/2013	Issued for Approval	M.Hamed	A.azam	M.B.	

CLIENT: UNIGRAIN
PROJ: Unigrain Flat Store Project 2013
TITLE: BELT CONVEYOR (3D)

Proj. No.	Order No.	Release	Ref. Dwg. No.	Scale
ND-L-BC-1018				

Drawing No. Rev. Sheet No. Item Dept. Client Order No. Scale

EGTR M01 | NGA | 002 | 0 | 01 | UGTR | Client Order No. | Scale |



DETAIL FOR FEEDING CHUTE
DETAIL FOR DISCHARGE CHUTE AND BELT CONVEYOR
DETAIL (II) FOR MOTOR FRAME
DETAIL FOR TENSION UNITE
DETAIL I

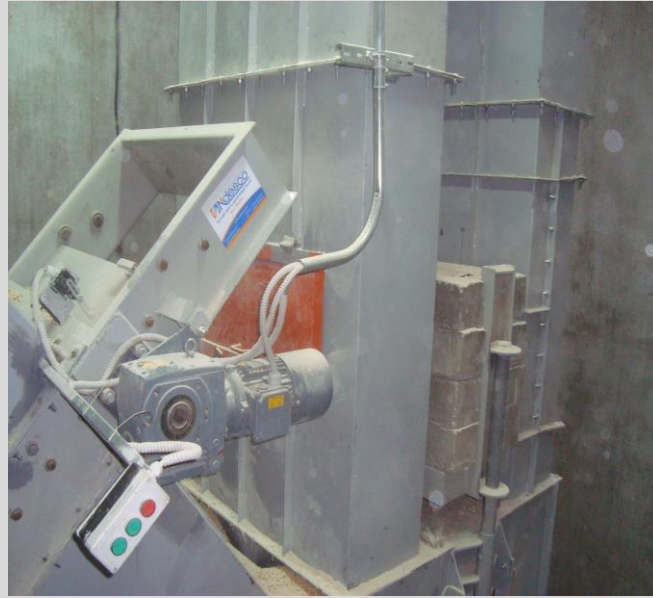
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0	17/09/2013	Issued for Approval	M.Hamed	A.azam	M.B.	

CLIENT: UNIGRAIN
PROJ: UNIGRAIN FLAT STORE PROJECT 2013
TITLE: BUCKET ELEVATOR (3D)

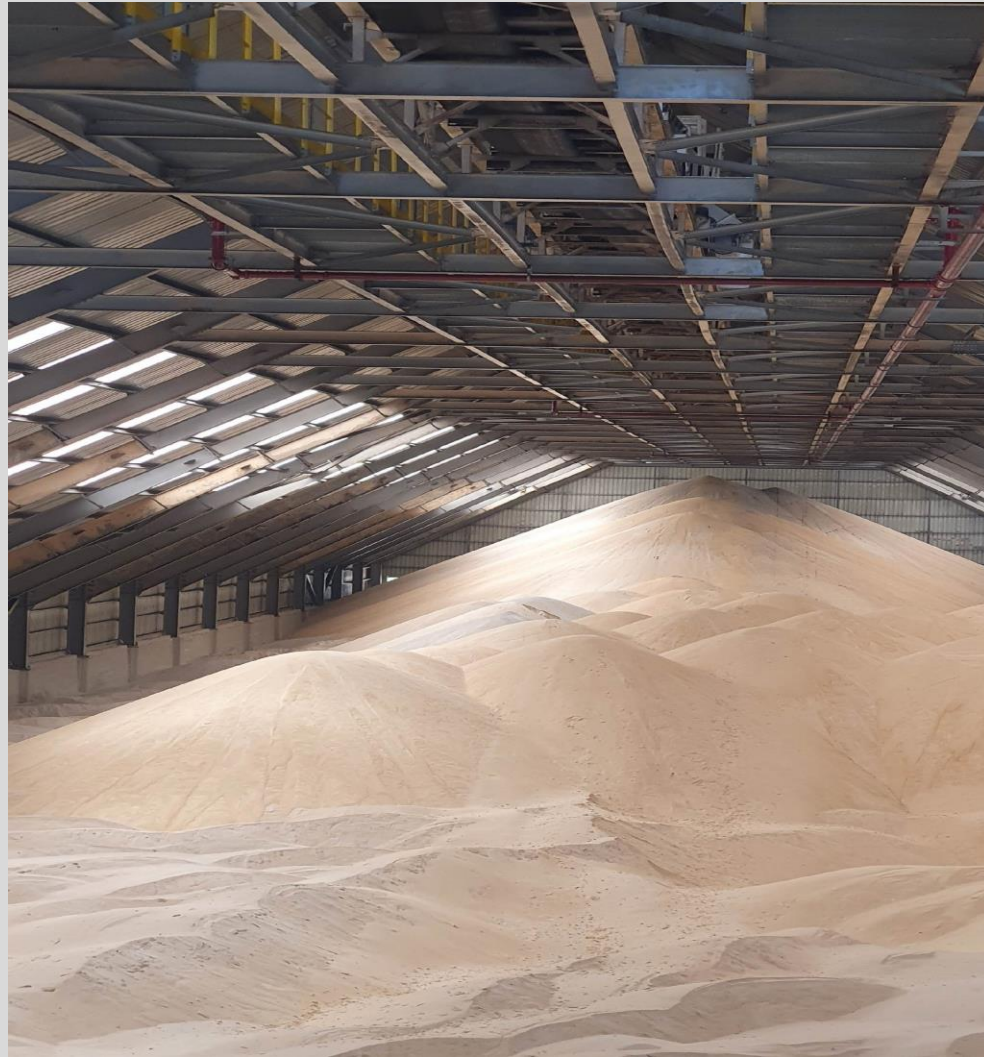
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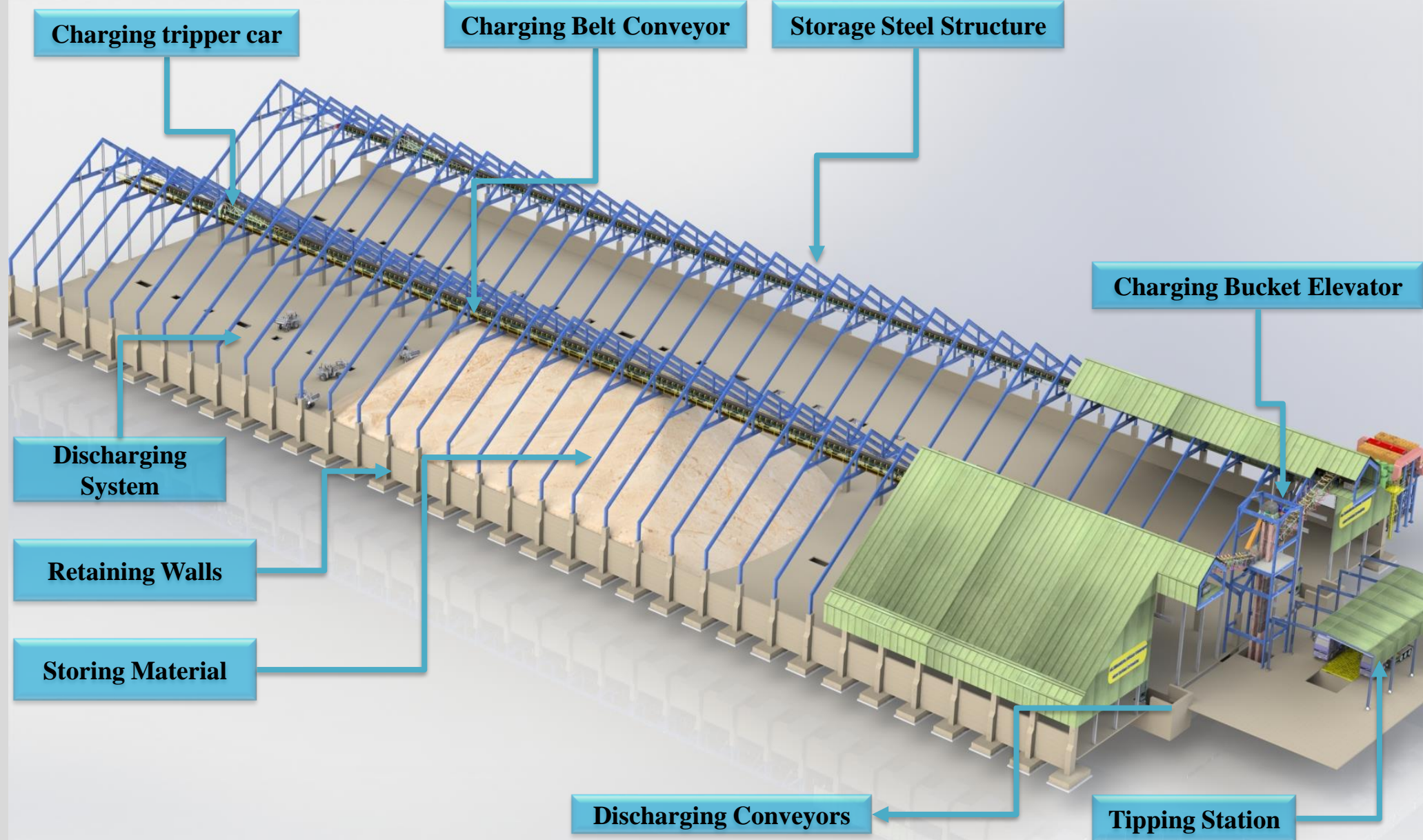
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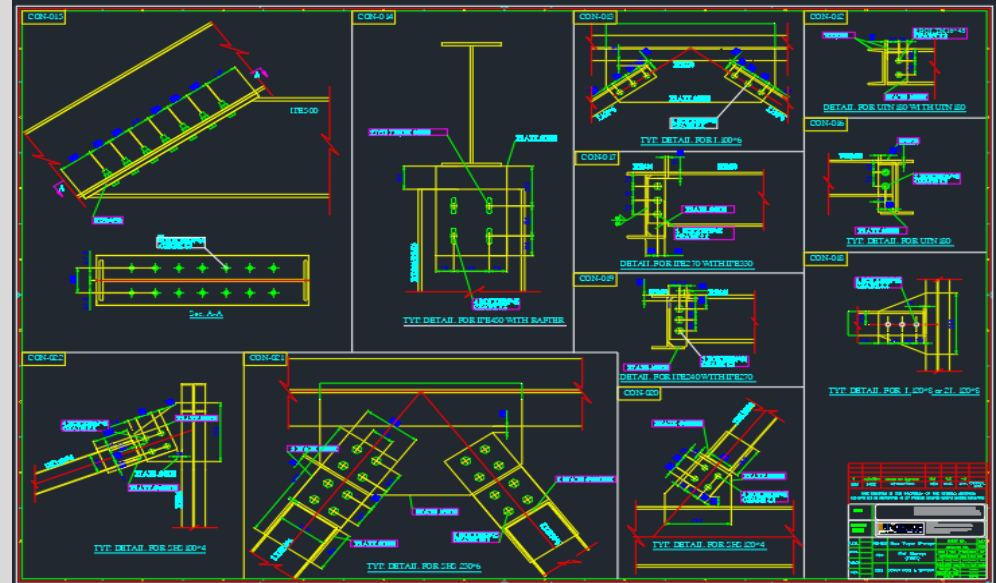
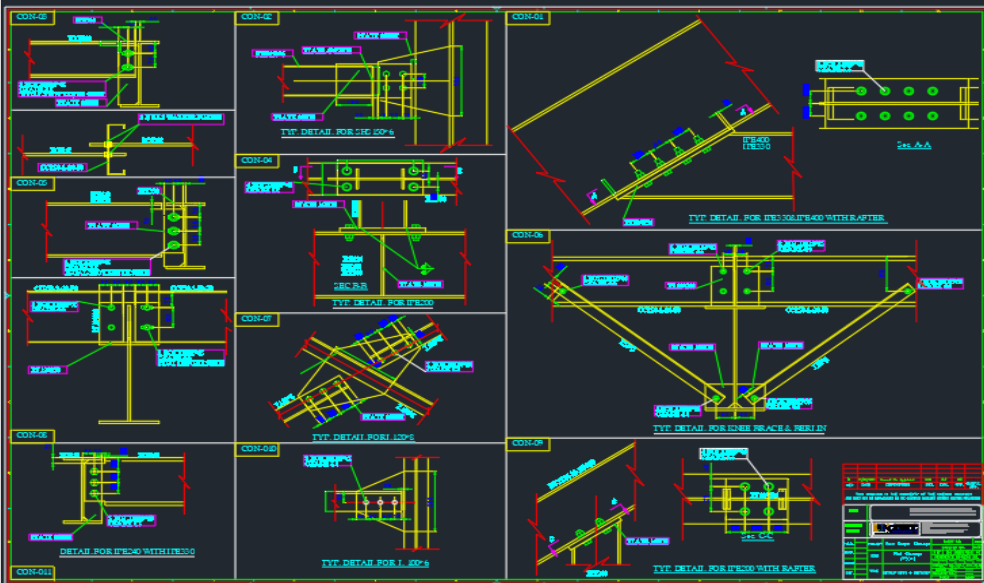
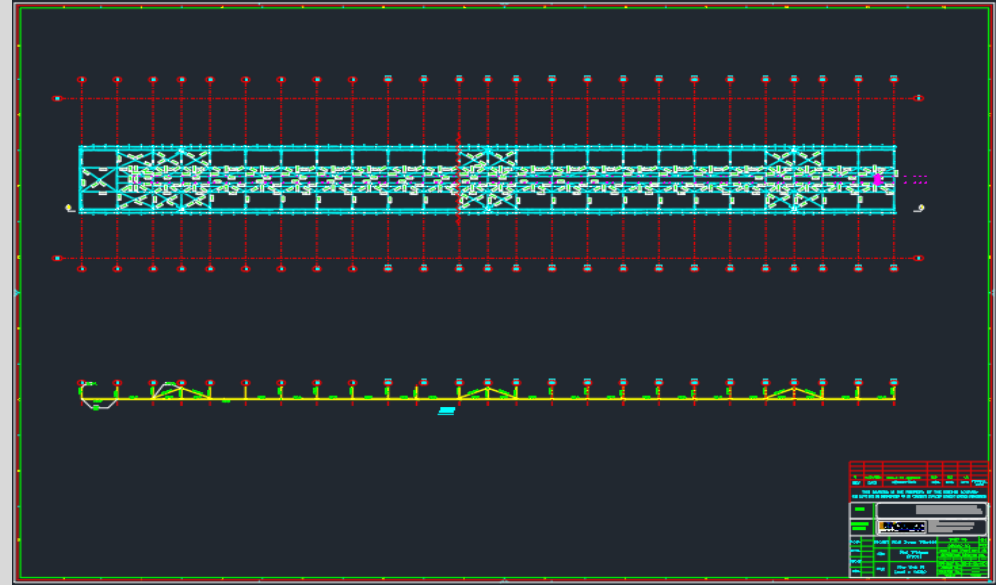
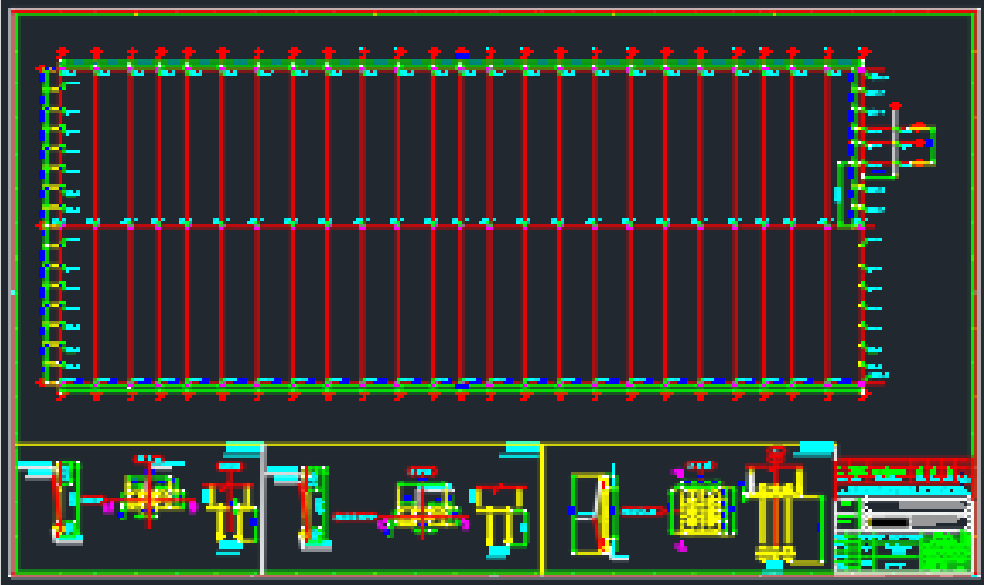
Raw Sugar Silo (120,000 Storing Capacity)

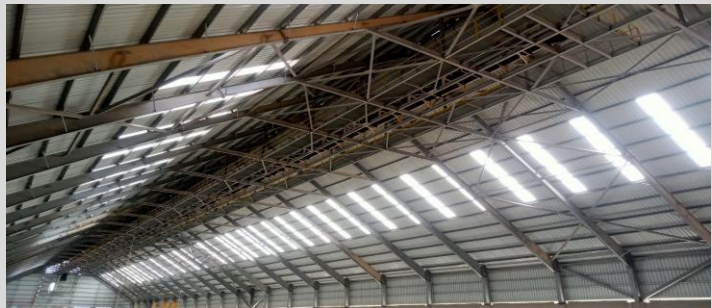
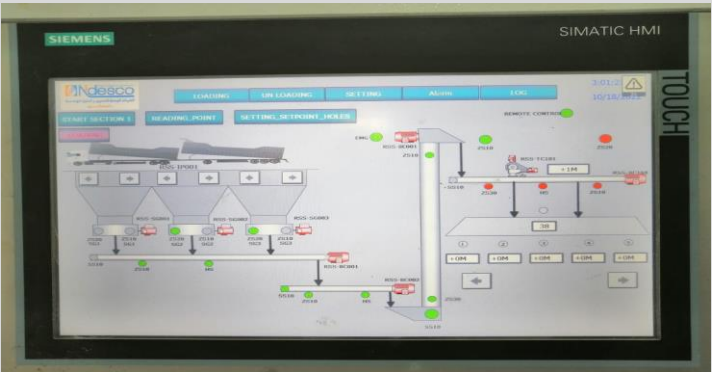
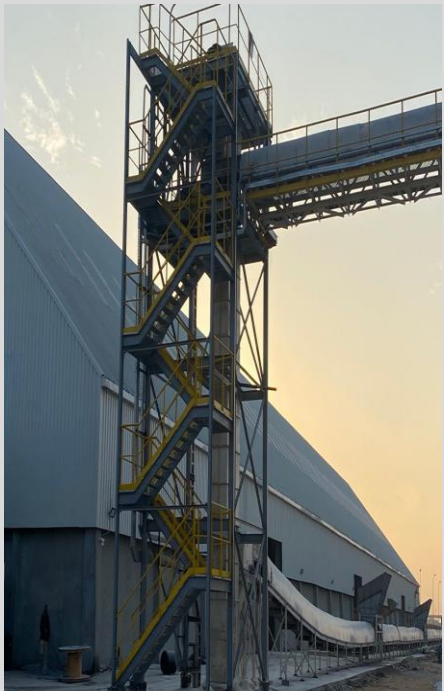


Main Features



Design & Engineering







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