



COMPANY OVERVIEW

Yaqeen Engineering Limited, as its name suggest, is a consultancy firm specializes in engineering, architecture, building safety assessment and Construction. Our areas of expertise include structural & architectural design, material testing, construction of new building (both residential and industrial), estimating, cost control, CPM Scheduling, expert witness and performing essential retrofitting work for existing old or defective building.

We believe in taking a responsible and holistic approach to everything we do, and strive to promote sustainable development and good practice standards. We believe in a business behavior based on trust, integrity, transparency and professionalism.

OUR VISION





Our vision is to be the leading firm of designers, planners, engineers, consultants & technical specialists offering a broad range of professional services. Through our work, we make a positive difference in the country by generating value for our clients, our people and the community.

Our consistent delivery makes us the partner of choice for country leading organizations designing, building, construction, testing and refurbishing or fitting out their spaces or real estate.



MESSAGE FROM MANAGING DIRECTOR



Md. Tareque Adnan

Member, IEB M-38588

Managing Director & Lead Structural Engineer, Yaqeen Engineering Limited.

As the Managing Director of Yaqeen Engineering Limited (YEL), I would like to extend my best wishes to everyone. Since the beginning of my civil engineering career, I have been working on building safety & compliance issues. I have spent two significant years of my career as a structural safety engineer at the Accord on Fire & Building Safety in Bangladesh.

The first & foremost important factor in building construction is proper architectural & structural design. From my past work experience, I have witnessed many cases where buildings are constructed without following the BNBC. Proper consideration of seismic and wind load in a structural design during building construction is a must. In addition, proper seismic detailing should also be under consideration.

Many of us are quite indifferent about construction work. To achieve desired strength, the mixing ratio has to be fixed by selecting proper construction materials prior to construction. In such cases, relevent material test reports must be preserved. YEL continues its work properly in the field of structural design & construction & is committed to do so.

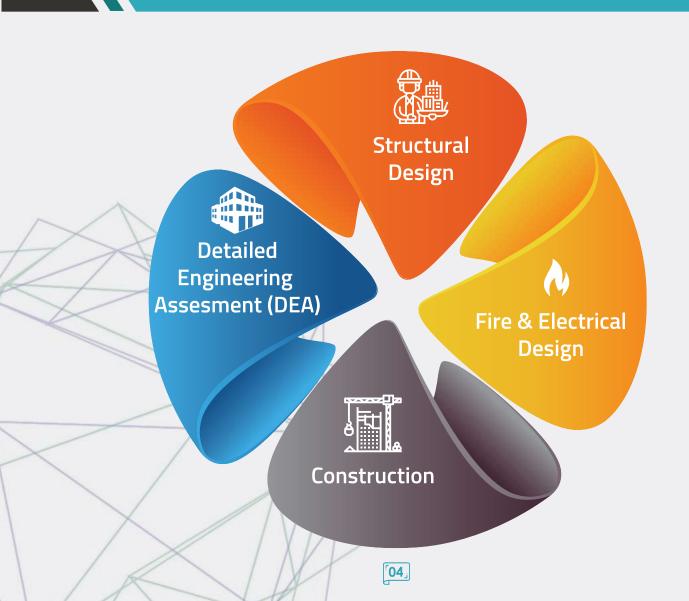
Apart from new building construction we also conduct retrofitting in existing buildings. Furthermore, YEL also deals with electrical and fire safety issues. YEL Designs single line diagrams and lightning protection systems by maintaining appropriate codes on electrical safety issues. Similarly, fire safety systems are designed by following appropriate codes on fire safety issues.

In our society, lack of commitment in schedule is seen in most of the construction works. YEL is walking against the flow and ensures proper commitment and always comes with accurate safety and construction costs and will continue to do so in the future, InshaAllah. I wish everyone's sincere cooperation and blessings in this regard.

ORGANOGRAM COMPANY LEAD STRUCTURAL SR. STRUCTURAL ENGINEER GEOTECHNICAL ENGINEER JR. STRUCTURAL ENGINEER SR. EXECUTIVE (CAD DESIGN) EXECUTIVE (CAD DESIGN) STRUCTURAL ENGINEER MATERIAL ENGINEER SR. EXECUTIVE (CAD DESIGN) EXECUTIVE (CAD DESIGN) MANAGING DIRECTOR LEAD ELECTRICAL SR. ELECTRICAL ENGINEER JR. ELECTRICAL ENGINEER SR. EXECUTIVE (CAD DESIGN) (CAD DESIGN) SAFETY ENGINEER JR. FIRE SAFETY ENGINEER SR. EXECUTIVE (CAD DESIGN) (CAD DESIGN) FIRE SAFETY ENGINEER LEAD FIRE (CONSTRUCTION) SUB-ASSISTANT ENGINEER MIXING MACHINE OPERATOR ASSISTANT ENGINEER 03 HUMAN RESOURCE MANAGEMENT **ACCOUNTS** DIRECTOR SR. EXECUTIVE MARKETING EXECUTIVE PURCHASE & PROCUREMENT SR. EXECUTIVE EXECUTIVE



OUR SERVICES INCLUDE



SERVICES IN DETAILS



Service Offered in Electrical Sector

Initial and Details Electrical Safety Assessment to meet ILO, Accord/RSC & Nirapon requirement according to BNBC & BS standard.

Design Electrical Single Line Diagram (SLD), Electrical System Layout Diagram, Earthing Layout Diagram for as-built and new construction building according to Accord/RSC & Nirapon Standard.

Design of Lightening Protection System (LPS) according to BNBC Standard.

Floor Layout Plan of Electrical System.

Service offered in Civil Sector

Initial and Details Structural Integrity Safety Assessment to meet the ILO, Accord/RSC & Nirapon requirement according to BNBC & BS standard.

Building Structural Health Check.

New Structural & Architectural Design for Residential, Industrial & Commercial Buildings

Structural Design & Review

Architectural Design & Review.

Interior Design & As-Built Drawing.

Structural and Architectural Drawing for New Building.

Foundation Design and Analysis.

Retrofitting Design & Implementation.

Construction of New Buildings.





Service offered in Fire Sector

Initial and Details Fire Safety Assessment to meet the ILO, Accord/RSC & Nirapon requirement according to BNBC & BS standard.

Fire Layout Plan.

Design & Drawing of Fire Detec⊠on System and Fire Protection System (Hydrant & Sprinkler system) with Hydraulic Calculation.

Supply Equipments for Fire Detection & Protection System (TYCO, SFFECO, BRISTOL, NAFFCO, COOPER and others.

- a) Different types of Sprinkler for different temperature.
- b) Fully automatic Fire Pump System.
- c) Fire rated door
- d) Air sampling smoke detection system
- e) Alarm system
- f) Foam System
- g) Gas Suppression System
- h) Grooved Piping System

Installation, Comm issioning and Testing of Fire Detection & Protection System According Guideline of Nirapon, Accord/RSC & ILO.

Modification, Renovation and Replace of Existing Equipments By New Ones

Supply Equipment in Fire Sector

- a) Fire Alarm control Panel (FACP)
- b) Repeater Panel
- c) Photoelectric Smoke Sensor
- d) Heat Sensor
- e) Multi-Criteria Sensor
- f) Beam Detector
- g) Duct Detector
- h) Flame Detector



Services Offered In Geotech Sector

- # Subsoil Investigation
- # Static Load Test
- # Dynamic Load Test
- # Pull Out Load Test
- # Lateral Load Test
- # Pile Integrity Test
- # Crosshole Sonic Logging Test
- # Parallel Seismic Instrument Test
- # Crosshole Seismic (PSLog) Test







Schmidt Rebound Hammer Test

Ultrasonic Pulse Velocity Analysis

Ferroscan

Carbonation Test

Concrete Crack Depth Check

Core Cutting

Sieve Analysis/ Gradation

Fine content Analysis

Aggregate Crushing Value(ACV) Test

Elongation Index (El)/ Shape Test

Flakiness Index (FI)

Unit Weight of Aggregate (CA & FA)

Dry Rodded Unit Weight (CA)

Moisture Content of aggregate

Specific Gravity/ Density Test

Concrete Mix design

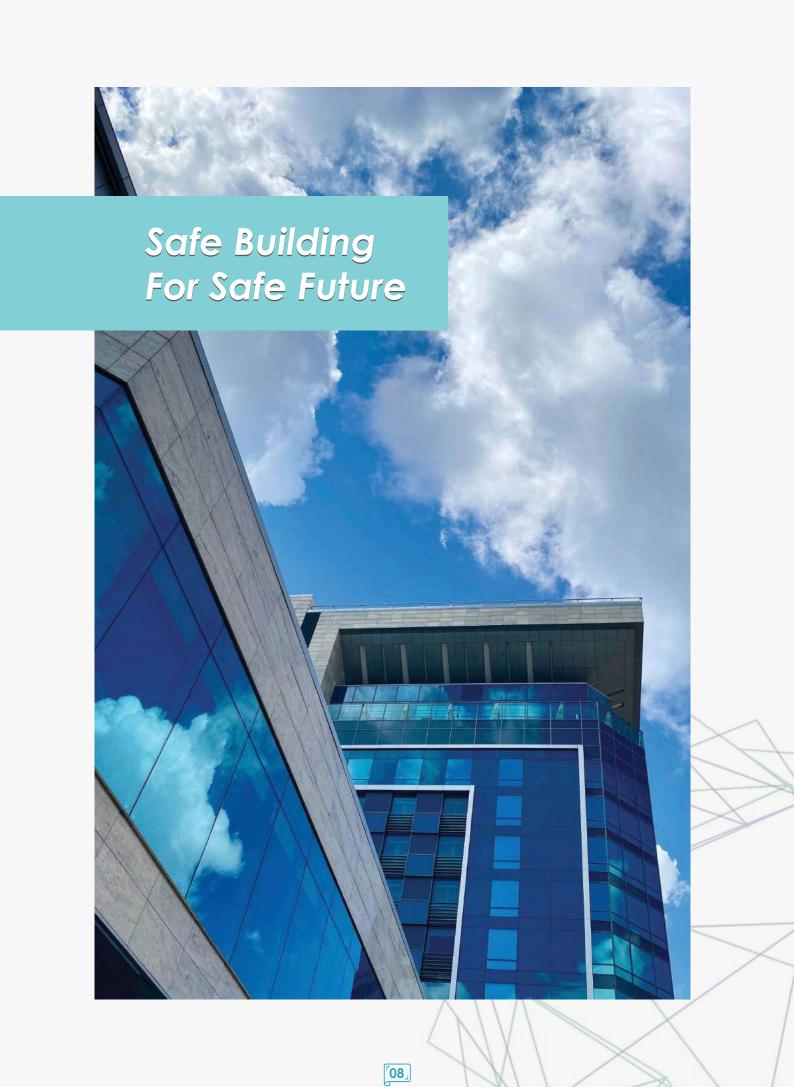
Slump test

Unit weight of fresh concrete

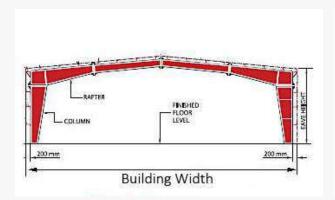
Setting time of concrete

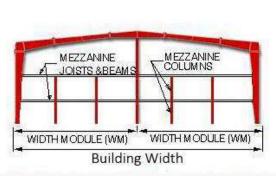
Air content test





FRAMING SYSTEM OF STEEL STRUCTURE

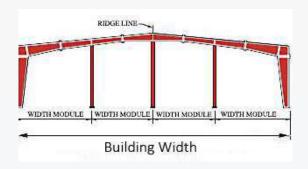




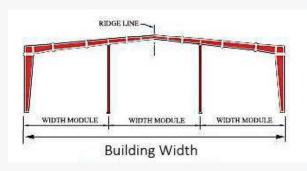
SINGLE SPAN

Building Width

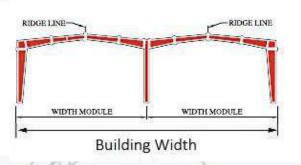
MULTI-SPAN WITH MEZZANINE FLOOR



SINGLE SLOPE



MULTI-SPAN'3'

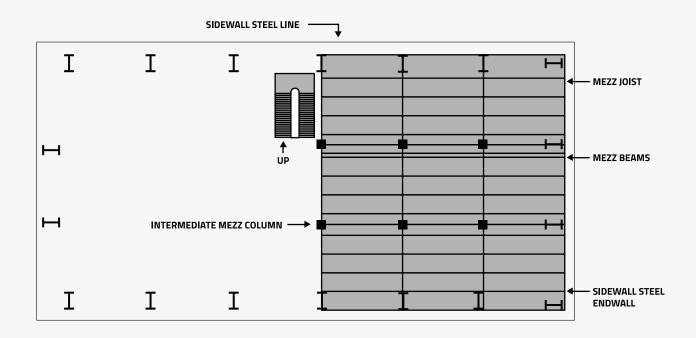


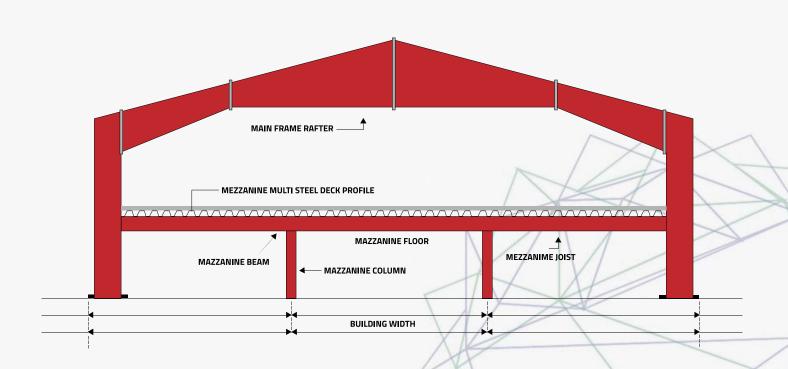
MULTI-SPAN '2'

MULTI-GABLE



MEZZANIME SYSTEM





MEZZANINE SYSTEM (MS+M)

WHY CHOOSE PRE-ENGINEERED STEEL BUILDINGS

COST SAVINGS

Price per square meter can be 25% lower than conentional steel buildings. Site erection cost is low because of faster erection times and easier erection process

CONSTRUCTION TIME

PEB reduces the total construction time by at least 40% which leads to faster occupancy and early revenue.

QUALITY CONTROL

Designed and fabricated in-hose with strict quality control. The fabrication process includes design and engineering, as well as detailing and manufacturing at the factory

LARGE CLEAR SPAN

In PEB the buildings can be given up to 90m clear spans which is the important advantage of PEB with free column space.

ARCHITECTURAL VERSILITY

Building can be supplied with various types of fascia's, canopies, and curved eaves and are designed to recieve pre-cast concrete wall panels, curtain walls, block walls and other wall systems

SEISMIC RESISTANCE

The super structure made of steel is light in weight and flexible enough to offer greater resistance to seismic waves when compared to conventional concrete structures.

QUICK ERECTION

All steel components are fabricated at factory and are linked by bols at site. So the erection process is fast, step by step, easy to install and require simple equipment

LOW MAINTENACE

PEBs have high quality paint systems for cladding which gives long durability and low maintenance costs.

FLEXIBILITY

Pre-engineered steel buildings are flexible in any requirement of design, easy to expand in the future and also economically with low transportation cost.

ENERGY EFFICIENCY

Nowadays PEB are the green solution for the environment with CO2 reduction, energy efficiency and recyclability

SINGLE SOURCE AVAILABILITY

As the complete building package is supplied by a single vendor, compatibility of all building components and accessories is assured. This is one of the major benifits of the PEB systems.

WORKING STEPS

NEED ANALYSIS

- Determine client's requirements (floor plan, working flow diagrams necessary clear heights etc.)
- Collect Digital Survey Report & Soil Parameters
- Collect Specifications for Wind and Seismic Analysis

PROPOSAL DESIGN

- Structural design based on nedd analysis
- Estimates of materials and prepare BOO
- Setting rates for quotation

NEGOTIATIONS

- Finalizing proposal based on approved drawings
- Finalizing agreements
- Obtaining initial payment

FABRICATION STAGE

- Awaiting for basic civil work completion Setting anchor bolts
- Confirmation of final anchor bolt measurements
- Complete fabrication drawing
- Fabrication & delivery of columns, beams rafters, purlins, nut-bolts etc

ERECTION STAGE 01

- Setting up columns
- Setting up initial column connected beams/rafters
- Setting up 20% of purlin on initial rafters
- Finalizing building alignment

ERECTION STAGE 2

- Finalizing full steeing of purlins
- Decking sheet setting
- Roof insulation setting
- Roof sheeting & Skylight fitting

ERECTION STAGE 3

- Setting up of side purlins & side sheeting
- Fitting ridge ventilation
- Fitting natural air ventilator or power vent

FINISHING STAGE

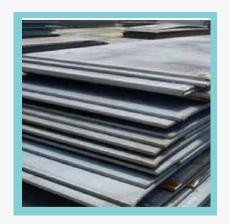
- Awaiting civil work completion
 Setting up rain gutter and down pipe
- for drainage
- Checking & testing of sheets
- Setting up doors and canopies

PROJECT HANDOVER

Opening ceremony

Feedback from clients









CHEQUERED PLATE 01



CHEQUERED PLATE 02



SAG ROD



SELF-DRILLING SCREW



DECKING SCREW



ANCHOR BOLTS



TURN BOLT



CHEMICAL BOLT



SILICONE SEALANT WITH GUN



LOUVER



STRUCTURAL NUTS & BOLTS



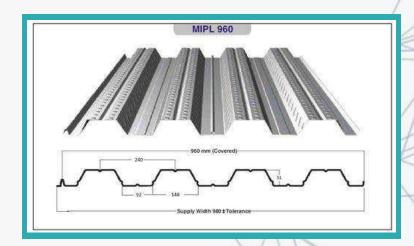




ROOF EXHAUST BLOWER

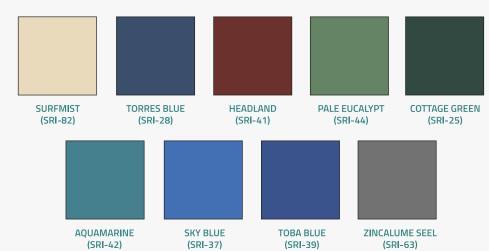


C & Z PURLIN



DECKING PROFILE

TATA BLUESCOPE

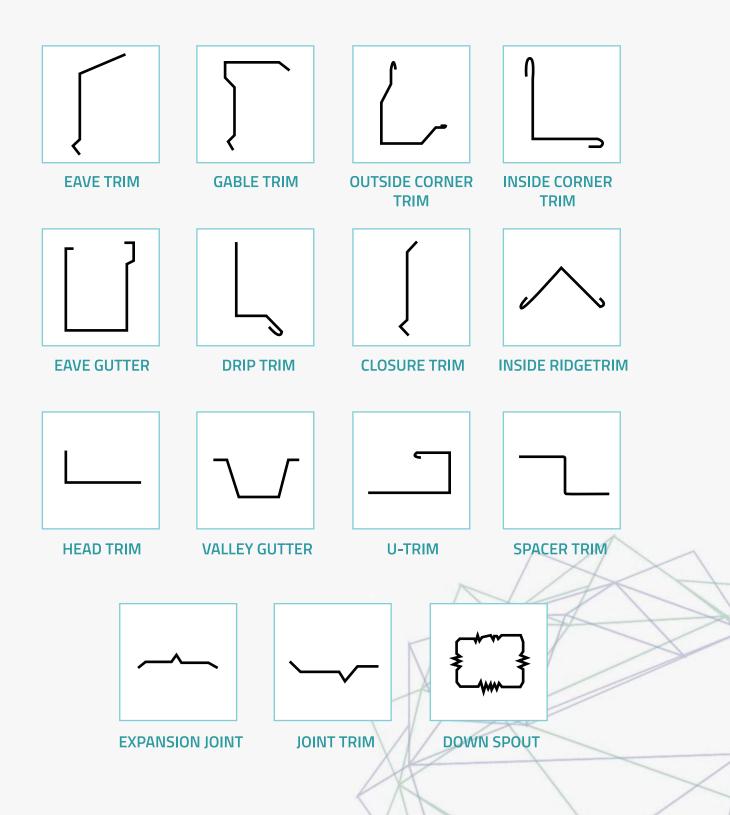


CHINA PRIME



STEEL PANEL

SANDWICH PANEL



[16]

PROJECTS ACCOMPLISHED

Structural- DEA & New Design

	NAME	ADDRESS	REMARKS
1.	Amena (Pvt) Ltd	Abdul Latif Market, Uttara	DEA
2.	Mayc's Garments Ltd	Block - Kha, Sector-06, Mirpur	DEA
3.	Rezaul Apparels (Pvt.) Ltd.	BACIC, Konabari, Gazipur	DEA
4.	Rose Intimates Ltd.	Baroipara, Ashulia, Savar, Dhaka	DEA
5.	Samad Sweater Ltd.	Kalmeshwar, Board Bazar, Gazipur	DEA
6.	PNG (BD) Ltd.	Korerhat, Shattaroa, Joragonj, Mirsharai, Chittagong	DEA
7.	Torque Fashion Ltd.	Paragram, Ashulia, Ashulia Bazar, Dhaka	DEA
8.	Torque Apparels Ltd	Paragram, Ashulia, Ashulia Bazar, Dhaka	DEA
9.	Probashi Knitwears Ltd	Pallabi, Mirpur-12, Dhaka	DEA
LO.	Golden Knit Composite Ltd	Ansar Road, Sreepur, Gazipur	DEA
 l1.	AMC Knit Composite Ltd.	Baniarchala, Member Bari, Gazipur	DEA
 L2.	Hydroxide Knitwear Ltd	Mouchak, Kaliakair, Gazipur	DEA
L3.	Far East Knitting & Dyeing Industries Ltd	Chandra, Kaliakair, Gazipur	DEA
 L4.	Jamuna Apparels Ltd.	Tongi, Gazipur	DEA
L5.	Jinnat Knitwear Ltd (DBL Group)	Dhanva, Sreepur, Gazipur	DEA
L6.	Bay Creation Ltd.	Karnogop, Ruponj, Narayangonj	DEA
L7.	M.S Dyeing, Printing & Finishing	Narayagonj, BSCIC	DEA
L8.	Glory Textile	Valuka, Mymensingh	DEA
19.	Aus Bangla Jutex Ltd.	Langordi, Araihajar, Narayangonj	DEA
20.	Windy Wet & Dry Process Ltd.	Gazipur Chowrasta	DEA
21.	Sublime Greentex Ltd.	Gilarchala, Sreepur, Gazipur	DEA
22.	Unisense Apparels Ltd	Ansar Road, Sreepur, Gazipur	DEA
23.	Spotfame Apparels Ltd.	Charmudda Bazar, Dhaka City Bypass	DEA

PROJECTS ACCOMPLISHED

Structural- DEA & New Design

	NAME	ADDRESS	REMARKS
	///		- 10
24.	Banex Apparels	North Ibrahimpur, Kafrul, Dhaka	DEA
25.	Tex Pro Eco Apparels	Kaliakoir, Savar, Dhaka	DEA
26.	Shin Shin Apparels	Zirabo, Savar, Dhaka	DEA
27.	S.B Style Composite Ltd.	Link Road, Dhaka	DEA
28.	Aspire Garments Limited	Dhalla Bazar, Singair, Manikgonj	DEA
29.	Shezad Design Wear Limited	Mouchak, Kaliakair, Gazipur	DEA
30.	Meghna Denims Ltd.	Ansar Road, Sreepur, Gazipur	DEA
31.	Rishal Garments Ltd.	Plot #M-4/2, Mirpur-14, Dhaka	DEA
32.	Nofs Garments Ltd.	Mohammadpur, Dhaka	DEA
33.	Habitus Warehouse (Fortis Group)	Gajaripara, Kaultia, Gazipur	DEA
34.	Rapida Shoes (Fortis Group)	Rajabari, Sreepur, Gazipur	DEA
35.	Single Storied Steel Structure	Jalkuri, Sign Road, Narayangonj	Design
36.	3 Storied Residential Building	Salimnagar, Mirzapur, Tangail	Architectural & Structural Design
37.	4 Storied Residential Building	Latifpur, Mirzapur, Tangail	Architectural & Structural Design
38.	5 Storied Residential Building	Board Ghar, Kaliakair, Gazipur	Architectural & Structural Design
39.	4 Storied Residential Building	Bhawal Mirzapur, Gazipur	Architectural & Structural Design
40.	2 Storied Residential Building	Faridpur	Architectural & Structural Design
41.	2 Storied Duplex Residential Building	Ranashal, Mirzapur, Tangail	Architectural & Structural Design
42.	5 Storied Residential Building	North Potenga, Chattragram	Architectural & Structural Design
43.	Residential Building	Homna, Comilla	Architectural & Structural Design
44.	Victor Leather Bags Factory Ltd.	Bahadurpur, Durgapur, Ashugonj	DEA
45.	Fashion Asia Ltd (Relocation)	Tepirbair, Sreepur, Gazipur	DEA
46.	Northern Corporation Ltd.	Tepirbair, Sreepur, Gazipur	DEA
47.	Jaroms Garments	Gazipura 27, Gazipur	DEA
48.	Flamingo Fashion (DBL Group)	Joydepur, Gazipur	DEA
49.	Dhaka Socks Limited	Kamarjuri, Harican Road, Gazipur	DEA
50.	TS Casual Wear Limited	Kewa Beraider Chala, Gazipur	DEA
51.	Powertex Fashion Limited	Board Bazar, National University Gazipur	DEA & Consultancy

PROJECTS ACCOMPLISHED

Fire & Electrical

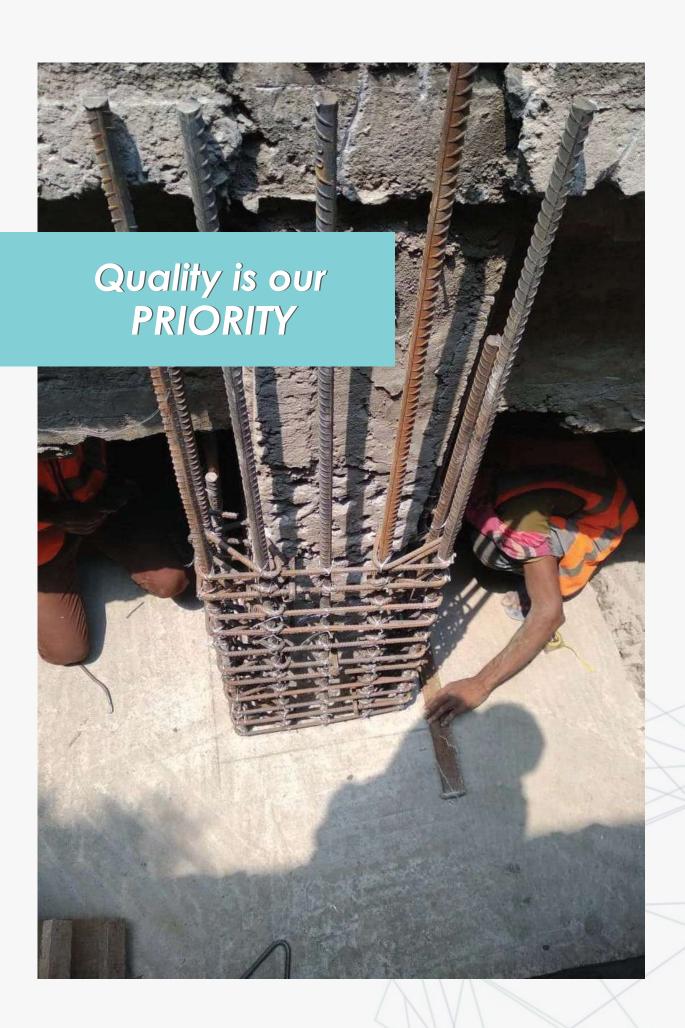
	NAME	ADDRESS	REMARKS
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1.	Sumi Apparels Ltd.	Tongi, BSCIC, Gazipur	Design Review of SLD, FPS & FDS
2.	Aspire Garments Ltd.	Dhalla Bazar, Singair, Manikgonj	Design Review of SLD, FPS & FDS
3.	Samad Sweater Limited	Kalmeshwar , Board Bazar, Gazipur	Design Review of SLD, FPS & FDS
4.	Fair Knitwears Limited	Sharifpur, Maleker Bari, Gazipur	Design Review of SLD, FPS & FDS
5.	CA Knitwear Ltd.	Bhabanipur, Gazipur	Design Review of FPS & FDS
6.	N.A.Z Bangladesh Ltd.	Bushuya Kuribari, Mirzapur, Gazipur	Design Review of FPS & FDS
7.	Torque Apparels Ltd.	Paragram, Ashulia, Ashulia Bazar, Dhaka	Design Review of FPS & FDS
8.	Brickland Composite Ltd.	Barpa, Narayangonj	Design Review of SLD, LPS, FPS & FDS
9.	Spotfame Apparels Ltd.	Charmudda Bazar, Dhaka City Bypass	Design Review of SLD & LPS
10.	Glory Textile Ltd.	Valuka, Mymensingh	Design Review of SLD
11.	Texeurop BD Ltd	Chandana, Gazipur, Dhaka	Design Review of SLD

PROJECTS ACCOMPLISHED Construction

	NAME	ADDRESS	REMARKS
1.	Torque Fashion Ltd	Paragram, Ashulia, Ashulia Bazar	Retrofitting Work Of
			6 nos Single Storied Steel Shed
2.	Knit Asia Ltd. (New Asia Group)	Shafipur, Kaliakoir, Gazipur	Retrofitting Work Of
			Single Storied Dyeing Shed
3.	Disney Sweater Ltd.	Barpa, Rupgonj, Narayangonj	Retrofitting Work Of
	(Majumder Group)	3 Stor	ried Steel Building & Single Storied Shed
4.	Probashi Knitwears Ltd.	Easter Housing, Mirpur, Dhaka.	Constuction Work Of
			2 Storied Steel Building
5.	Doreen Apparels Ltd.	South Panishail, Zirani, Savar, Dhaka	Constuction Work Of
			2 Storied RCC Building
6.	Aspire Garments Ltd.	Dhaka Bazar, Singair, Manikgonj	Construction Work Of
			Single Storied Steel Shed
7.	4 Storied Residential Building	Pirozali, Bhawal Mirzapur, Gazipur	Constuction Work Of
			4 Storied Residential Building
8.	Torque Apparels Ltd.	Paragram, Ashulia, Ashulia Bazar	Retrofitting Work Of
			2 nos Single Storied Steel Shed
9.	Brickland Composite Ltd.	Barpa, Narayangonj	Retrofitting Work Of
	(Majumder Group)		Single Storied Shed
10.	Bea-Con Knitwear Ltd.	Kutubpur, Fatullah, Narayangonj	Retrofitting Work Of
	(Panam Group)		Single Storied Dyeing Shed
11.	Samad Sweater Ltd.	Kalmeshwar, Board Bazar, Gazipur	Retrofitting Work Of
			6 Single Storied RCC Building
12.	Unisense Apparels Ltd. (Extension)	Ansar Road, Sreepur, Gazipur	Retrofitting Work Of
			2 Storied Steel Building
13.	Pellucid Textiles Ltd.	Gorgoria Master Bari, Sreepur, Gazipur	Construction Work Of
			2 Storied Steel Building
14.	Elegant Square (Elegant Group)	Gulshan-2, Dhaka	Extension & Retrofitting Work Of
			8 Storied Steel Building
15.	Elegant Spinning & Textile Ltd.	Ishwardi Epz, Pabna	Retrofitting Work Of
	(Elegant Group)		SIngle Storied Shed
16.	Scandex Textile Industries Ltd.	Board Ghor, Kaliakoir, Gazipur	Retrofitting Work Of
	(Panam Group)		SIngle Storied Dyeing Shed
17.	Manikgonj Power Generations Ltd	Dhalla Bazar, Singair, Manikgonj	Construction Work Of
			SIngle Storied Shed
18.	WIndy Wet & Dry Process	Vogra, Bypass	Construction Work Of
			2 Storied Steel Shed

PROJECTS ACCOMPLISHED Construction

	NAME	ADDRESS	REMARKS
19.	Mastrade Garments International	Bogra Bypass, Gazipur	Retrofitting Work Of
			Underground Reserver Tank
20.	Tanaz Fashion	Gazipura 27, Gazipur	Construction Work Of
			Single Storied Steel Shed
21.	SIncere Composite Ltd.	East Isdair, Narayangonj	Construction Work Of
			Sub Station Steel Shed
22.	SIncere Composite Ltd.	East Isdair, Narayangonj	Retrofitting Work Of
			Dyeing Shed and ETP Buidling
23.	Bay Creation Ltd.	Borpa, Rupgonj	Retrofitting Work Of
			Main Building
24.	A&A Socks Limited	Kamarjuri, Harican Road, Gazipur	Retrofitting Work Of
			Main Production Shed & Warehouse Shed
25.	Vintage Denim Limited	Norshinghapur, Ashulia, Savar	Retrofitting Work Of
			Single Storied Utility Steel Shed
26.	Consist Apparels Ltd.	Purabari, Master Bari, Gazipur	Retrofitting Work Of
			Single Storied Steel Shed
27.	Rapida Shoes Ltd. (Fortis Group)	Rajendrapur, Rajabari, Gazipur.	Civil Work Of
	,		Single Storied Shed
28.	Brickland Knit Composite	Borpa, Rupgonj, Narayangonj	Construction Work Of
	(Majumder Group)		Single Storied Shed
29.	MN Filament Ltd.	Bager Bazer, Vobanipur, Gazipur	Constuction Work Of
	(Mosharaf Group)		3 Storied Steel Buidling & Extension Shed









PROBASHI KNITWEARS LTD

Eastern Housing, Mirpur, Dhaka.







PELLUCID TEXTILES LTD.

Gorgori Master Bari, Sreepur, Gazipur





ELEGANT SQUARE Gulshan-2, Dhaka



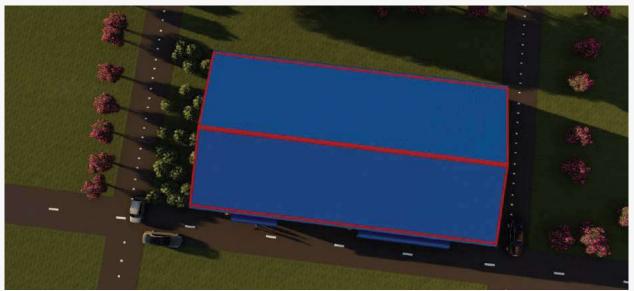




ASPIRE GARMENTS LTD.

Dhalla Bazar, Singair, Manikgonj





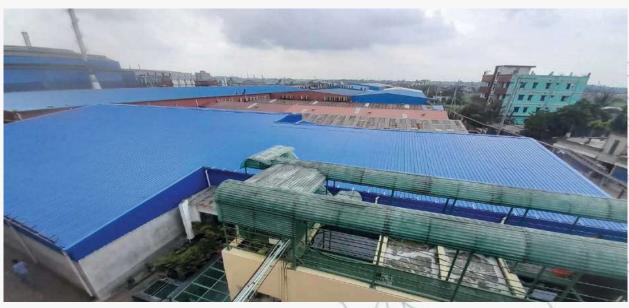


ASPIRE GARMENTS LTD.

Dhalla Bazar, Singair, Manikgonj







DISNEY SWEATERS LTD.

Barpa, Rupgonj, Naryangonj.

WE WORK FOR















OUR VALUABLE CLIENTS































Meghna Denims Ltd.























OUR VALUABLE CLIENTS







M.S. DYEING, PRINTING & FINISHING LTD.

















WE BELIEVE IN ACTION







































WE BELIEVE IN ACTION















419/C, Khilgaon, Dhaka-1219.





