



**NCL**  
**BUILDTEK LTD**

WINDOORS | COATINGS | WALLS | SERVICES



# GREEN BUILDING MATERIALS



**NCL**  
COLOURED  
GI WINDOORS

In collaboration with  
Industrie Secco SpA, Italy

**NCL**  
UPVC  
WINDOORS

Joint venture with  
Veka AG, Germany

**NCL**  
ABS DOORS

In collaboration with  
KOS, S.Korea

**NCL**  
ALUMINIUM  
WINDOORS

In partnership with  
SCHUCO, Germany

**NCL**  
COATINGS

In collaboration with  
ICP, Sweden

**NCL**  
AAC BLOCKS

South India's  
largest manufacturer



In collaboration with  
Onoda, Japan



In collaboration with  
WERKE, Germany



In collaboration with  
AGT, Turkey



- Over Rs.2000 crore turnover
- Serving the building industry with quality building materials for over 30 years
- Best of technologies from all over the world
- Manufacturing a wide range of products:

CCGI WINDOWS | uPVC WINDOWS  
ALUMINIUM WINDOWS | ABS DOORS  
DURADOOR | PUTTIES | PAINTS  
CEMENT | BOARDS | AAC BLOCKS

# Journey towards growth

Seccolor CCGI  
Windows  
manufacturing unit

Alltek spray  
plasters  
manufacturing unit

1989

1991

Joint venture with  
ADOPEN, Turkey  
for uPVC Extrusions

Alltek's 3rd Unit at  
Choupanki, Rajasthan

Acquisition of  
Spantile India  
CCGI Fab unit  
at Hosur, Tamilnadu

Alltek 2nd Unit at  
Ratnapuri

2008

2006

2005

2000

CCGI Fab unit at  
Ghaziabad  
uPVC Fab Unit at Pune

uPVC Fab Unit  
at Tirupati  
uPVC Fab Unit at  
Jeedimetla, Hyderabad

Commencement  
ABS Door  
manufacturing unit

Commissioning of  
AAC blocks unit  
at Vijayawada

2011

2014

2015

2016

Commissioning of  
AAC Block 2nd  
unit at Nellore

uPVC Fab Unit  
at Bhubaneswar  
New Corporate Identity  
Launched

uPVC Fab Unit  
at Guntur  
uPVC Fab Unit at  
Gundlapochampally

uPVC Fab Unit  
at Trichy  
uPVC Fab Unit  
at Gaziabad

2019

2018

2018

2017

Alumium Windoors  
in partnership with  
SCHUCO, Germany

Introduction of  
marvel Flooring Tiles

Name Changed to  
**NCL BUILDTEK LTD**

Commissioning of  
AAC Block unit  
Final phase at Nellore

2019

2019

2020



## NCL GROUP

At NCL, the journey began in 1983 with Nagarjuna cements Ltd.  
NCL group's constant endeavour has been to provide alternative and innovative building materials using the best of technologies around the world.

## NCL INDUSTRIES LTD



Cement Division(Formerly Nagarujna cements Ltd): The cement plant has been set up utilizing the latest technology from M/s.Onoda Engineering, Japan. Today it enjoys an enviable position due to its quality in various grades of Cement including special grade cement for railway sleepers (53S)



Boards Division: In technical collaboration with Bison werke of Germany, NCL introduced a cement bonded particle board for the first time in India. It has two plants. One in Nalgonda Dist, A.P and the other one in Paonta Sahib, Himachal Pradesh.



Prefab Division: NCL developed Houses built with Bison Panels and roll formed steel profiles, to suit different requirements. These houses, easily built and dismantled, are acknowledged as the most innovative by leading manufacturers in Europe.



The country's largest door manufacturing facility that spreads over 2 lakh square feet. Located in Malkapur, Telangana, the plant has a capacity of 1000 doors per shift. The cutting edge machinery and technology from Germany and Italy ensure a range that is precision engineered using CNC based processes.



## NCL BUILDTEK LTD (Formerly NCL ALLTEK & SECCOLOR LTD)



WINDOORS Division: NCL introduced Color Coated GI (CCGI), roll-formed sections for applications such as windows, doors partitions, ventilators, glazings, in technical collaboration with M/s. Industrie Secco S.P.A, Italy. These roll formed sections are durable, elegant and maintenance free.



NCL started manufacturing UPVC sections in collaboration with M/s. Veka AG, Germany. These sections are used for fabrication of windows, doors etc.



The Doors division manufactures ready to use moulded doors in collaboration with KOS, South Korea, suitable for residential buildings, hotels, offices, restaurants, hospitals and institutions.



NCL offers extruded aluminium windows in partnership with Schuco, Germany. The aluminium windows offer a great deal of design freedom that meet the requirements of every architect and end user.



COATINGS Division: In collaboration with M/s International Coating Products, Sweden, NCL introduced Alltek spray plasters (acrylic putties), textured paints and over a period it started manufacturing various grades of emulsion paints, primers and cement putties.



WALLS Division: NCL is one of the leading and largest manufacturer of light weight AAC Blocks with its 1st unit near Kondapally, Vijayawada and 2nd unit near Nellore. The walls division also manufactures dry-mix cement mortars and tile adhesives.

# END-TO-END WINDOW & DOOR SOLUTIONS FOR OVER 25 YEARS



**NCL**  
COLOURED  
GI WINDOORS

In collaboration with



ITALY

- Strong & Elegant
- Durable & '0' maintenance
- India's largest window manufacturer
- Eco-friendly, Energy efficient
- Custom made and off-site fabrication



**NCL**  
UPVC  
WINDOORS

Joint Venture with



GERMANY

- End-to-end services
- 18 profile extrusion lines
- 10 Fabrication units
- 25+ years of experience and expertise
- In premium to value engineered range



**NCL**  
ABS DOORS

In collaboration with



S. KOREA

- Moulded and ready to use doors
- Strong & impact resistant
- Maintenance free
- No polish/ paint required
- Real wood texture effect



**NCL**  
ALUMINIUM  
WINDOORS

In partnership with

**SCHÜCO**

GERMANY

- Casement & Sliding
- Specially designed for tropical regions.
- Narrow vent face widths & concealed fittings ensure an elegant appearance and a broad range of uses.

**STOP** | **leakages** | **Control** | **NOISE** | **Mosquito** | **PROTECTION** | **Zer** | **MAINTENANCE** | **Security** | **Bars/Grill**

- NCL - India's largest Windows Manufacturer with 13 units across nation

- 25+ Years of experience & expertise
- Backed by dedicated NCL Services Division

Rely on NCL in realising your promise of quality to a home owner in their pursuit of creating a happy abode.



# Italian Technology. Indian Design. Universal Appeal.



**NCL**  
COLOURED  
GI WINDOWS

- World class windows in technical collaboration with globally renowned Industrie Secco SpA, Italy
- Made of roll-formed sections, closed, intricate shapes and without welding, Galvanized, corrosion free steel
- Non-fading - Colour Coated G.I/ powder coated G.I
- Eco-friendly - green products

**Complete solutions - Design, Manufacture & Installation**

#### Accessories:

- Handles of high grade aluminium and powder coated
- Corner brackets & plates are made of CRCA with Zinc Phosphating/ Nylon/ PP
- Gaskets made of EPDM



# RAW MATERIAL TESTING

Only material that passes all the following tests is used in making window sections:



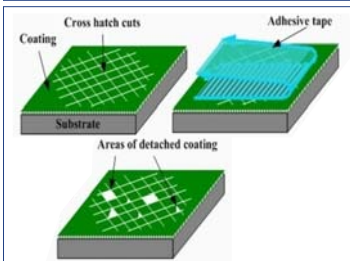
## ► Micrometer Test

The thickness of the PPGI sheet is measured by Micrometer. The GI Coating (GSM) is tested with the help of Magnetic Principle Thickness Gauge



## ► Salt Spray Test:

A solution of NaCl is sprayed for 750 hours. The material should withstand without sign of corrosion.



## ► Cross Hatch Test:

Straight & cross lines are made with a needle to make 1mm square unit. A strong adhesive tape is firmly affixed on the squares made and pulled off. The square painted area should not peel off from the surface.



## ► MEK (Methyl Ethyl Ketone) Test:

Painted surface is wiped with MEK dipped cotton for 50 double wiping. The paint should not be affected.



## ► Bend Test:

A sample piece of PPS sheet is bent to an angle of 180 degree around 2 pieces of similar thickness. The paint should not crack.



## ► Pencil Hardness Test:

A sharp line with a sharp edged 2H pencil is drawn on sample. The point should not penetrate the paint.



► **Erichsen Cupping Test:** Galvanized/PPS sheet stretched in a special equipment in the shape of a cup. The breaking point of zinc is checked. This should be a minimum of 7.5mm. At the same time the paint should not crack.



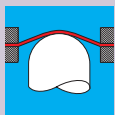


# **STRONG & DURABLE**

## **NCL's Multi Layered Protection**

- ① IS 513 CRCA steel
- ② 120 GSM Zinc as per IS 277
- ③ 5-7 microns of Epoxy Primer
- ④ 12-16 microns of Polyester Top coat Paint
- ⑤ 5-7 microns of Alkyd backer
- ⑥ Polyethylene film

## **THE QUALITY CHECKS...**



Erichsen Cupping Test



Cross Hatch Test



MEK Test



Salt Spray Test



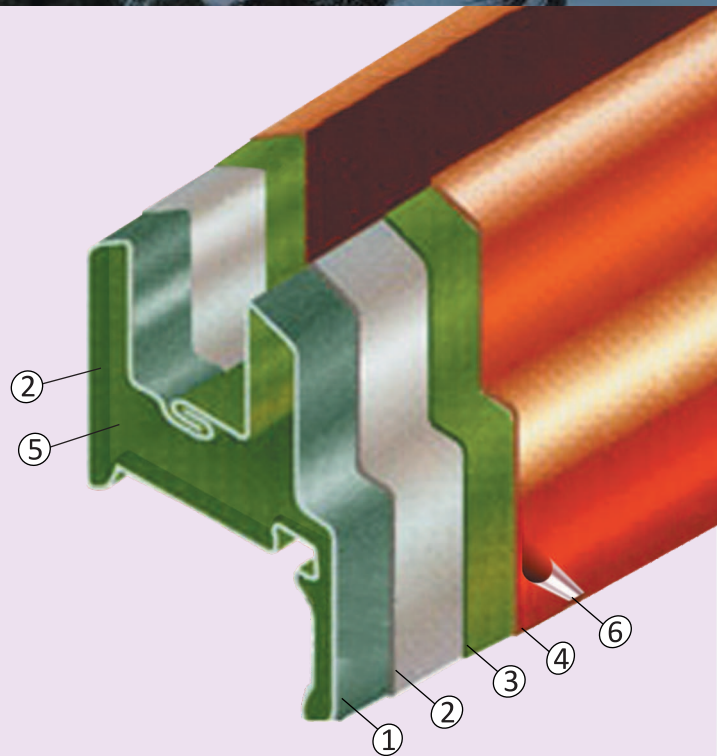
Bend Test



Impact Test

Tightly sealed from all sides with Leak proof EPDM Gasket and precise reinforcements (optional), that meet IS 875 standards.

Withstands higher wind pressures and provide maximum security. Lasts year after year. No fading. No Corrosion. Scratch resistant.



# **NCL**

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## **COLOURED GI WINDOWS**



# AJANTHA SERIES



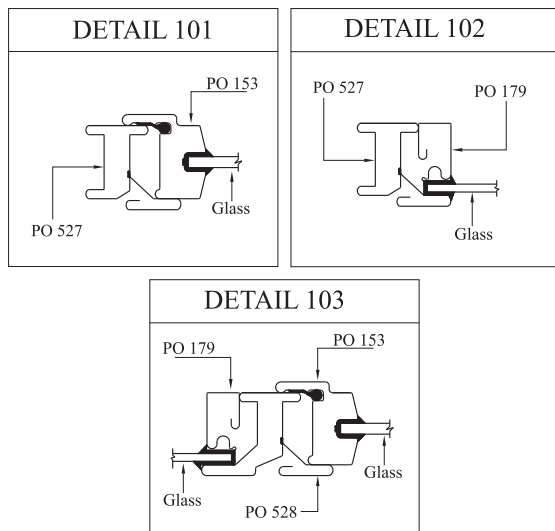
**Size:** Custom

CRCA Steel : IS 513  
GI Std. : IS 277



**NCL**  
COLOURED  
GI WINDOORS

## SECTIONS



## FEATURES



Colour Choice



Stronger Wind Shield



Mosquito Proof



Leak Proof



Noise Proof



Heat Resistant



## ECO 3000 SERIES



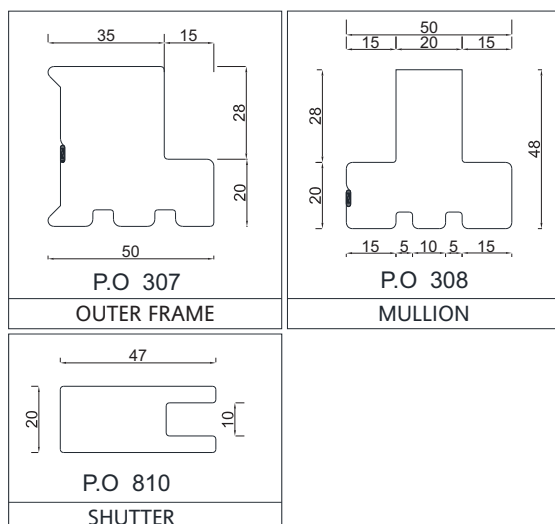
In customised sizes

CRCA Steel : IS 513  
GI Std. : IS 277



**NCL**  
COLOURED  
GI WINDOORS

### SECTIONS



### FEATURES

- Strong
- Durable
- Elegant
- Safety & Security
- Maintenance free
- Eco friendly

**Zero MAINTENANCE**

**STOP leakages**

**Security Bars/Grill**

# ECO 4000 SERIES



In customised sizes

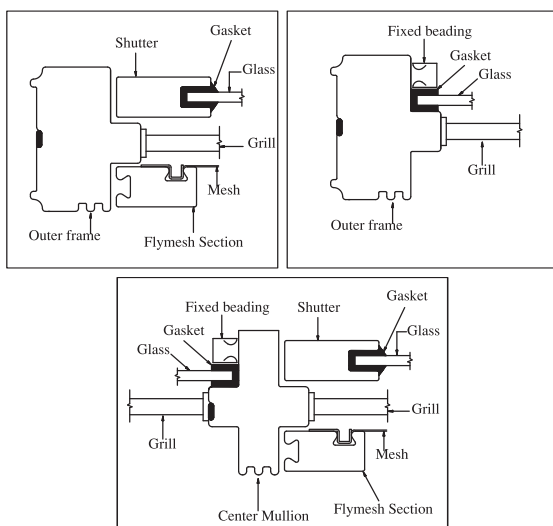
CRCA Steel : IS 513  
GI Std. : IS 277



# NCL

COLOURED  
GI WINDOORS

## SECTIONS



## FEATURES

- Strong
- Durable
- Elegant
- Safety & Security
- Maintenance free
- Eco friendly

**ZerO MAINTENANCE**

**STOP leakages**

**Security Bars/Grill**



## WINSPIRE SERIES

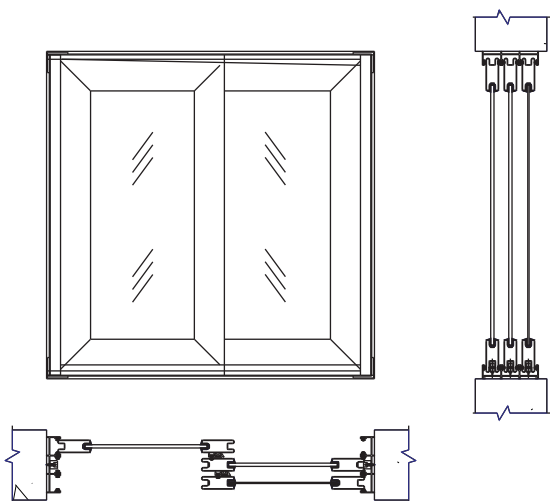


In customised sizes

CRCA Steel : IS 513  
GI Std. : IS 277



**NCL**  
COLOURED  
GI WINDOORS



### FEATURES

- Strong
- Durable
- Elegant
- Safety & Security
- Maintenance free
- Eco friendly



Maintenance free



Fire Retardant



Strong & Durable

## DOOR FRAME



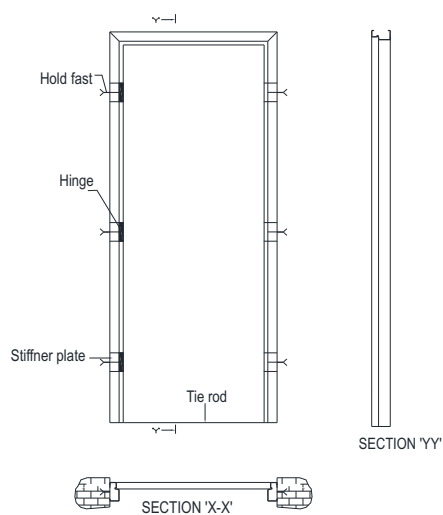
In customised sizes

CRCA Steel : IS 513  
GI Std. : IS 277



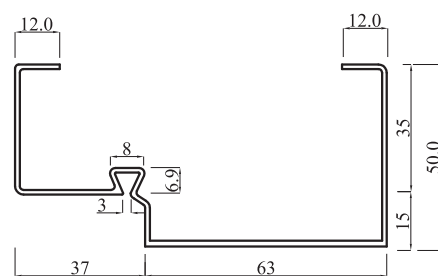
**NCL**  
COLOURED  
GI WINDOORS

### SECTIONS



### FEATURES

- Strong
- Durable
- Elegant
- Maintenance free
- Eco friendly



## NCL ABS DOOR



Size:900mmX2100mm

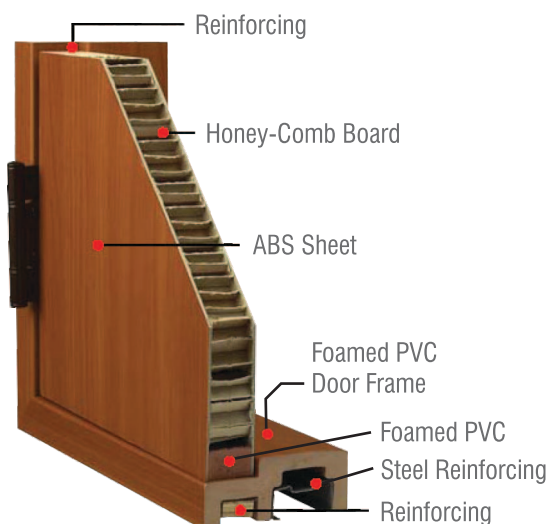
For interiors



# NCL

ABS DOORS

### CROSS SECTION



### FEATURES



No termites



No warping



No maintenance



No dampness





# THINK GREEN.

## Switch to eco-friendly NCL Windows.

NCL Windows are eco-friendly, envisages conserving wood and low consumption of fuel.







NCL CCGI Windows in 2BHK Projects, Telangana



NCL CCGI Windows in 2BHK Projects, Telangana





India's **No.1**



18 Extrusion Lines | 10 Fabrication Units | Present Across Nation | End-to-end Solutions | Partnering With World's No.1

- Finest finish and quality
- Superior aesthetics
- Perfect heat and sound insulation
- High resistance to natural elements
- Dedicated installation & support services

A promise of quality to a home owner in their pursuit of creating a happy abode.

**NCL**  
UPVC  
WINDOWS

a joint venture between NCL Group and



Veka AG, Germany



## NCL I-50



In customised sizes

Meets EN Standards



Design Flexibility



Off-site Fabrication



Speed of Installation

**NCL**  
UPVC  
WINDOWS



No Leakages



Control Noise



Thermal Insulation



Fire Retardant



Strong & Durable



Save Energy



Maintenance free



Eco-friendly

## NCL I-60



In customised sizes

Meets EN Standards



Design Flexibility



Off-site Fabrication



Speed of Installation

**NCL**  
UPVC  
WINDOWS



No Leakages



Control Noise



Thermal Insulation



Fire Retardant



Strong & Durable



Save Energy



Maintenance free



Eco-friendly

## NCL I-60



**Size:** 2100 mm X 1800 mm

**Meets EN Standards**



Design Flexibility

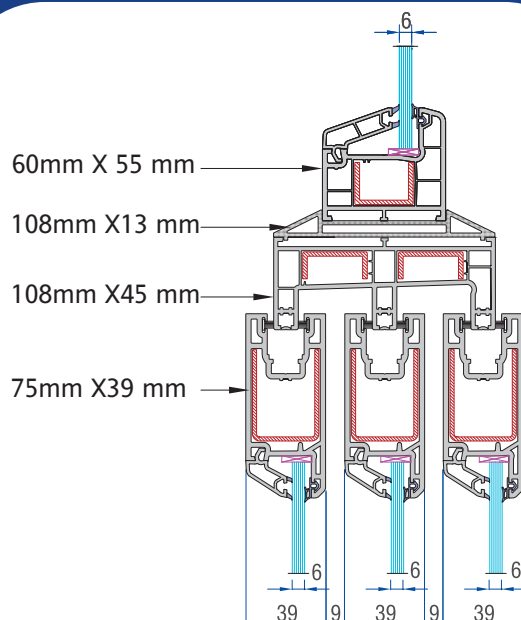


Off-site Fabrication



Speed of Installation

**NCL**  
UPVC  
WINDOWS



No Leakages



Control Noise



Thermal Insulation



Fire Retardant



Strong & Durable



Save Energy



Maintenance free



Eco-friendly





**NCL uPVC Windows in VIT, Chennai**



**NCL uPVC Windows in Hombale Project, Bengaluru**

# NCL ALUMINIUM DOOR



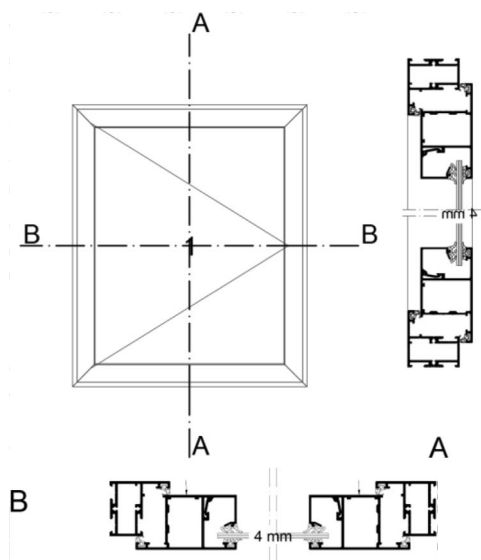
**SCHÜCO**  
Partner

Meets EN Standards



**NCL**  
ALUMINIUM  
WINDOORS

## CROSS SECTION



## FEATURES

- Single and double glazing (4 mm to 25 mm)
- Single-point and multi-point locking
- Water tightness up to 1500 Pa
- Air permeability up to class 4 i
- Wind resistance up to 2000 Pa
- Sound reduction up to 34 dB
- Window sill can be inserted
- Optional façade integration





# WE GO THE EXTRA SMILE.



✓ **WINDOWS**

✓ **DOORS**

✓ **PARTITIONS**

✓ **GLAZINGS**

Thousands of Installations... Windows, doors and glazings. • Trained technicians for proper installation.  
Proven systems, procedures and methods developed for over 25 years.

# NCL

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## SERVICES

Backed by NCL SERVICES, a dedicated team offering comprehensive range of effective installation and maintenance solutions. The installation services focus on offering assistance with detailed drawings of the products, along with designing, manufacturing of windows & doors.

Reputed for on-time delivery, flawless execution, hassle-free installation and assured maintenance services post installation.



Speed of Installation



Sustainability



Off-site Fabrication



Quality & Cost



Superior Airtightness



Design Flexibility



## Some of the projects - NCL products have touched:



## Some of our distinguished clients include:

### Government sector:



**APMSIDC**



**R&B Dept.**



### Infrastructure Contractors:





## Builders & Developers:



## Corporate Customers:



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All trademarks are the property of their respective owners.



# Present Across India

NCL Buildtek Ltd a leader in manufacturing of wide range of building materials has its operations present across nation for over 25 years. The company's range of products are well recognised and accepted by many state Governments as preferred manufacturer and supplier and have been incorporated in the state SOR's for past 18 years.





**NCL CCGI Windows in SVIMS Hospital, Tirupathi**



**NCL CCGI Windows in 2BHK Hosing Projects, AP**





NCL CCGI Windows in Nellore Medical Collage



NCL CCGI Windows in 2BHK Hosing Project, TS



**BUILD SMART. LIVE HAPPY**



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