

STANDARD CONSTRUCTION MATERIAL LUXURY SERIES 2-2566

Section 1 Material-equipment for elder and health	
Elevator	By “ ARTICO ” model S15 for house model ME-205, ME-206, ME-207 and ME-208 only
Air ventilation system	PM 2.5 prevention and clean air ventilation equipment by PD Fresh Airflow model Fresh Plus – ducted over the ceiling.
Elder room floor	Shock absorb Safety Floor – PVC type, by KRONOTEX with PVC floor skirt
Entrance ramp	As specified in drawing (if any)
Elder bathroom door	Anodized color aluminum by “ TOSTEM ” : ATIS or as manufacturer specific or equal with 8 mm. thick frosted glass.
Elder Bathroom (if any)	COTTO” (White color) or equal (as specified by company)
Water closet	Model: For All SC6652 with PU seat and accessories Cleaning spray model: CT980H#WH(HM) with stop valve model COTTO CT179
Wash basin	Model: For All SC00537
Mirror	Model: V4101, white color
Soap holder	Model: CT0227
Tissue holder	Model: COMO CT0125
Towel bar	Model: CT0222 (HM)
Wall mounted mix faucet for shower	Model: CT2149A with shower model COTTO Z001 and shower head hanger model CT708
Wash basin faucet	Model: CT1132A (size M)
Wall mounted faucet	Model: PREMA PM1024Q29
Bathroom floor drain	Model: CT699Z1 (size 100 centimeter)
Safety accessory for Elder bathroom	Foldable wall mounted shower seat model: CT0185#WH L shape handrail model: CT0162 Foldable support arm model: CT0164
Swimming Pool	
Wall structure	Polypropylene wall with concrete structure depth not exceeds 1.20 m. or as drawing specified.
Floor-wall system	1.1 mm. thick, anti-slip, blue liner, no pattern. Pool edge tile with polished sandstone size 30x60 cm.

STANDARD CONSTRUCTION MATERIAL LUXURY SERIES 2-2566

Installation equipment	Electrical system, pipe, drainage and filter system size as the manufacturer recommendation
Pool pavement (if any)	Reinforced concrete with ceramic tile "A" grade (price not exceed 500 baht/sq.m)
Section 2 Material-equipment for energy saving and heat insulation	
Solar Water Heater	Capacity 300 litres with hot water piping (Pimaflex) not more than 5 bathrooms for wash basin and shower, 2 points for each bathroom.
Heat prevention beneath the roof	6 inches thick insulator by "STAY COOL": Premium placed on ceiling beneath upper and lower roof level (except garage, upper, lower terrace area, external ceiling).
Sanitary ware (water saving)	"AMERICAN STANDARD" or COTTO" (White color) or equal (as specified by company)
Water closet for master bathroom	Model: STD PLAT TF-2019-WT-9 , with electric bidet seat
Water closet for general bathroom	Model: ACACIA TF-2307SC-WT-0 with accessories Cleaning spray model: Douche A-4700A-CH with chromium stop valve model STD A-4401
Roof tile	SCG" Ceramic roof tile model Excella Classic (Blue cordier, Crystal blue, White pearl, Green peridot, Timber brown, Red sapphire, Red garnet, Carnelian brown, Yellow sapphire) Excella Grace (Navy blue, Burgundy) Excella Modern (Coco brown, Copper brown, Silver grey, Platinum)
Wall	Exterior wall : 20 (10+10) cm. thick, or as thick as the structural column thickness, Autoclave concrete with plastering and skim coat General wall : 10 cm. thick Autoclave concrete with plastering and skim coat
Section 3 Environment friendly material-equipment	
Flooring material	General upper floor : 12 mm. thick laminated floor by "KRONOTEX": SENSA XXL with PVC floor skirt.
Wooden Stair Set	A set of Engineered Wood by ACON color coated from the factory
Wooden stair set	A set of Engineered Wood by ACON , color coated from the factory
Stair tread	Size 300x30 mm.
Riser	Size 200x20 mm.
Handrail	Size 100x50 mm.
Post	Size 125x125 mm.
Baluster	Size 50x50 mm.

STANDARD CONSTRUCTION MATERIAL LUXURY SERIES 2-2566

Landing	30 mm. thick, 2 pieces (V groove connect)
Exterior ceiling (Balcony/Garage/Eaves)	Wood Plastic Composite (WPC) by PD WOOD by Maxis Wood model QB-003 Teak color or equal with Zinc galvanized studs#26 and insect prevention screen.
Decorated wall (If any)	In case of fiber cement decorated wall, use “SCG” or “CONWOOD” or Wood Plastic Composite (WPC) - PD WOOD by Maxis Wood model QB-003 teak color or as drawing specified
Interior Door	
General interior door/ Bedroom/ Storage room (If any)	Wood Plastic Composite (WPC) door with steel structure by “PD WOOD” model C1-WPC-004-006 color New Pine, Burma teak or Vintage wenge (choose later). And white wood pattern film coated Wood Plastic Composite (WPC) door frame model Ultra series 3 by “PD WOOD” .
Maid bathroom door	White Wood Plastic Composite (WPC) door model C-WPC-001-003 and white wood pattern film coated Wood Plastic Composite (WPC) door frame model Ultra series 3 by “PD WOOD”
Door for kitchen/ open to garage (open to exterior)	White Wood Plastic Composite (WPC) door with steel structure by “PD WOOD” model C1-WPC-008, 011, 012. White wood pattern film coated Wood Plastic Composite (WPC) door frame model Ultra series 3 by “PD WOOD” .
Facia	Fiber - cement board by “SCG” : 6” , 8” primer paint coated type or Synthetic wood “Eave Plus” or equal
Treatment Tank	Fiberglass tank by “DOS” model ST-21/GY or “PP” : Ecotank or equal (put underground).
Grease trap Tank	Fiberglass tank by “DOS” : GT-09/BK-40 or “PP” : GT-30UG (put underground).
Section 4 Innovation and technology material-equipment	
Concrete structure	
Footing/Column /Beam /First floor/Upper floor/ Parking floor	Prefabrication structure with Multi Joint Lock System. Some parts of structure are cast-in-place as engineer specified.
General concrete floor	Prestressed concrete plank by D-CON or PCM or equal Some parts of structure are cast-in-place as engineer specified.
Exterior doors/windows	by TOSTEM
General Window	Anodized color aluminum by “TOSTEM” : ATIS or as manufacturer specific or equal with 8 mm. thick clear green glass.

STANDARD CONSTRUCTION MATERIAL LUXURY SERIES 2-2566

Bathroom window	Anodized color aluminum by “ TOSTEM ” : ATIS or as manufacturer specific or equal with 8 mm. thick frosted glass.
Adjustable Louver (if any)	Anodized color aluminum by “ TOSTEM ” : ATIS or as manufacturer specific or equal with 8 mm. thick clear green glass.
Door to Terrace / Balcony/ main entrance	Anodized color aluminum by “ TOSTEM ” : ATIS or as manufacturer specific or equal with 8 mm. thick clear green glass.
Door for Bathroom	Anodized color aluminum by “ TOSTEM ” : ATIS or as manufacturer specific or equal with 8 mm. thick frosted glass.
Door for storage room under stair (if any) / Door for electric control unit panel	Anodized color aluminum by “ TOSTEM ” : WE70 or as manufacturer specific or equal
Plastering material	Mortar cement by “ SCG ”, “ INSEE ”, “ TPI ”, “ SINGHA MORTAR ” or equal with skim coat. For exterior, wall protective formula mortar “ PD Mortar Plus ” and fiberglass mesh with skim coat is used.
Roof Truss	Alu-zinc (AZ-150) or SuperDyma coated high strength steel structure with screw and nut system as engineer specified.
Interior clear water pipe	Pimaflex Mutipipe by PIMATEC 25x2.5 mm. (20 mm.) for main pipe from building to meter, length not exceed 40.00 m. with ball valve, metal handle, separating for each floor 20x2.25 mm. (15.5 mm.) for branch pipe 16x2.0 mm. (internal dia 12 mm.) for hot water pipe
Railing	Wrought Iron or as specified in drawing
Section 5 General material – equipment	
Structure	
Piling	<u>Bangkok area and surrounding area</u> pre-stressed concrete pile I-26 not exceed 21.00 m. long (2 piles welded connection) <u>Provincial area</u> (stiff soil), pre-stressed concrete solid square pile 26 x 26 cm., length not exceed 12.00 m. is used. In the area where pile cannot be driven, soil bearing foundation as engineer specified is used.
Floor of washing area	Reinforced concrete slab on ground as engineer specified. Piling work size I-12, 2.00 m. long every 0.80 m. interval (except stiff soil where pile cannot be driven)

STANDARD CONSTRUCTION MATERIAL LUXURY SERIES 2-2566

Entrance pavement	Reinforced concrete slab on ground with 0.12 m. thickness or as engineer specified. Total area not exceed 40 sq.m.
Concrete	Ready mixed concrete by SCG, INSEE, TPI
Floor Level	
First floor level	0.80 m. high from the ground or as specified in the drawing (In case of multilevel floor).
Second floor level	3.80 m. approximately high from the first-floor level or as specified in the drawing
Flooring Material	
General first floor	Granito tile (price not exceed 1,500 baht/sq.m.) with PVC floor skirt
Master bathroom floor	Ceramic tile "A" grade (price not exceed 1,200 baht/sq.m.).
Main entrance terrace	Ceramic tile "A" grade (price not exceed 1,000 baht/sq.m.) with stainless steel stair nose.
Kitchen floor	Ceramic tile "A" grade (price not exceed 500 baht/sq.m.) with PVC floor skirt.
General bathroom floor	Ceramic tile "A" grade (price not exceed 500 baht/sq.m.).
Elder bathroom floor	Ceramic tile "A" grade, anti-slip type (price not exceed 600 baht/sq.m.) .
Terrace /Balcony floor	Ceramic tile "A" grade (price not exceed 500 baht/sq.m.) with stainless steel stair nose
Waterproof system for terrace/balcony/toilet floor	the paint type waterproofing system, TOA Cement Waterproof with fiberglass mesh or equal will be applied.
Maid Room floor / Storage room floor / Laundry floor	Ceramic tile "A" grade (price not exceed 300 baht/sq.m.) with PVC floor skirt
Maid bathroom floor	Ceramic tile "A" grade (price not exceed 300 baht/sq.m.).
Parking floor / Entrance pavement floor	Ceramic tile by " Bezen ": Rome Street Classic size 4"x4"
Footpath / Ramp (If any)	Ceramic tile by " Bezen ": Rome Street Classic size 4"x4"
Washing area	Ceramic tile "A" grade (price not exceed 300 baht/sq.m.).
Wall Finishing	
Master bathroom wall	Ceramic tile "A" grade (price not exceed 1,200 baht/sq.m.) height not exceed 2.80 m.
General bathroom wall	Ceramic tile "A" grade (price not exceed 500 baht/sq.m.) height not exceed 2.80 m.
Elder bathroom wall	Ceramic tile "A" grade (price not exceed 500 baht/sq.m.) height not exceed 2.80 m.
Maid's bathroom wall	Ceramic tile "A" grade (price not exceed 300 baht/sq. m) height not exceed 2.40 m.
Decorated wall (If any)	Natural color granite " BEZEN " 2"x9" (price not exceed 2,500 baht/sq.m.) or equal, spaced grooves.

STANDARD CONSTRUCTION MATERIAL LUXURY SERIES 2-2566

Ceiling	
General interior ceiling	Height not exceed 3.00 m. Beveled edge gypsum board 9 mm. thick by “ SCG ” with galvanized metal studs#26. 2 set of 60x60 cm. instant service access on the second-floor ceiling.
Maid room/ Storage room ceiling	Beveled edge gypsum board 9 mm. thick by “ SCG ” with galvanized metal studs#26
Ceiling for bathroom	Beveled edge gypsum board, moisture resistant type, 9 mm. thick by “ SCG ” with galvanized metal studs #26
Roof Tiles	Concrete roof tile model Adamas Tile , chalet shake or smooth tile model with Metallic color (Shining sapphire, Shining emerald) or Platinum color (Sunny red, Brightly brown) the color chosen later with “ Dry ridge system ”, stainless #24 for valley rafter. In case of polished concrete roof, the paint type waterproofing system, TOA PU Waterproof with fiberglass mesh or equal will be applied.
Door and Window Accessories	
Handle / Lock set for general doors	Stainless steel mortise lock set by “ HAFELE ”: 902.92.044 with dead lock key model 911.02.153 or equal with stainless steel door stopper
Handle / Lock set for garage/kitchen doors (open to exterior)	Stainless steel mortise lock set by “ HAFELE ”: 902.92.044 with dead lock key model 911.02.153 or equal with stainless steel door stopper
Handle / Lock set for maid bathroom door	Stainless steel mortise lock set by “ HAFELE ”: 499.10.111 or equal with stainless steel door stopper
Hinge for general doors	Stainless steel butterfly hinge by “ HAFELE ”: 926.96.100 or equal
Handle / Lock set for Bathroom doors	By “ TOSTEM ” or equal
Hung type sliding door	By “ TOSTEM ” or equal
Sanitary ware	
Water closet for maid bathroom	Model: STD NEW WINPLUS II 2697NW-WT-0 with accessories Cleaning spray model STD AS BASIC F75006-WTADY with chromium stop valve model STD A-4401
Wash basin	Master bathroom and general bathroom model: NOBILE WP-F507-WT, under the counter type Maid bathroom model: STD WINSTON II TF-0979-WT-O, wall hung type
Bathroom counter	General bathroom counter topped with African black color granite stone , counter edge topped with ceramic tile “A” grade same as the wall.

STANDARD CONSTRUCTION MATERIAL LUXURY SERIES 2-2566

Bathtub	Master bathroom model PLAZA TF-8190-WT with wall mounted mix faucet and shower set model NEO MODERN A-0711-200 and 1 point of hot water pipe.
Urinal	Model: WP- 6747 NEO MODERN with automatic electronic flush valve accessories model: A-8014AC-WT (in 1 bathroom downstairs)
Mirror	Master bathroom Model: Sassi LQ-02 General bathroom Model: Bello LH-02 Maid bathroom Model: GH-805 or equal
Soap holder	General bathroom Model: STD ACACIA E K-1382-42N Maid bathroom Model: TF-9000
Tissue holder	General bathroom Model: CONCEPT SQUARE K-2501-43-N Maid bathroom Model: TF-9011
Towel bar	Master and general bathroom Model: ACACIA EVOLUTION K-1393-46-N Maid bathroom Model: TF-9085
Wall mounted mix faucet for shower	Master bathroom and bathroom with hot water piping model: STD CYGNET A-0312-300 with chromium color shower set
Wall mounted faucet	General bathroom model: ONYX A-2283-10-A with chromium color shower set Maid bathroom Model: F46103-CHADYHS with stop valve model AS BASIC F21033-CHADY or equal
Wash basin faucet	Master bathroom, bathroom with hot water piping model: STD NEO MODERN A-0701-100 General bathroom model: STD NEO MODERN MONO A-0706-10 Maid bathroom model: STD WINSTON FFAST 601-1T1500BT0
Wall mounted faucet	General bathroom and maid bathroom model: STD WINSTON FFAST602-0T0500BT0 (one in each bathroom)
Shelf	Model: TF-9075 for maid bathroom
Bathroom floor drain	2" diameter odor trap floor drain (square type) model: STD A-8200-N chromium color, 2 for each bathroom.
Water	Comply with Standard of Metropolitan Water Authority or Provincial Water Work Authority. PVC pipes by SCG or THAI PIPE
Waste water/ Drain	4" dia. PVC pipe (class 8.5) for sewage pipe. 2" dia. PVC (class 8.5) for drainage pipe and 3" dia. For main pipe (class 8.5)
Ventilation pipe	1" dia. PVC pipe (class 5.0)
Rain water drainage	2" dia. PVC pipe for branch rain water pipe and 3" dia. for main water pipe (class 8.5). Skull shape stainless steel floor drain for balcony or concrete slap roof.

STANDARD CONSTRUCTION MATERIAL LUXURY SERIES 2-2566

Hot water pipe	Pimaxflex Mutipipe by PIMATEC size 16x2.0 mm. (12 mm.)
Sanitary System	
Drainage pipe	Asbestos cement pipe dia. 8" to public drain (Not exceed 40.00 m. long from the house).
Manhole	30x40 cm. precast manhole every 6.00 m. interval and every bends or corners.
Electrical System	Comply with Standard of Metropolitan Electricity or Provincial Electricity Authority
Main income wiring	PVC insulated single copper wiring (KV-CV#50 sq.mm.) The length from wall to meter not exceed 40.00 m (put in PE conduit dia. 2" underground).
Main income telephone wiring	Four cores wiring not exceed 40.00 m. from meter to the house put in PE conduit ½" underground.
Internal wiring	Single copper wiring with PVC insulated with yellow PVC conduit in wall or on ceiling.
Air condition wiring	Maximum 6 points wiring
Control panel	30 Amps. 24 circuit breaker by "HACO": HD-S224 or equal with Residual Current Device (RCBO).
Lighting switch	Wall mounted lighting switch by "HACO": Quattro Aluminium W1513 / W2512C (2 way type switch only at stair hall) 2 for general room, 3 for Master Bedroom and 1 for kitchen, maid room, storage room, bathroom and laundry room. Choose 1 color for the front cover from Silver hairline, Gold hairline, Gun metal grey hairline.
Receptacle	Wall mounted receptacle by "HACO": Quattro W8416V2 3 for master bedroom, lower hall and kitchen 2 for bedroom and general room 1 for bathroom, laundry room, upper hall (except storage room) Choose 1 color for the front cover from Silver hairline, Gold hairline, Gun metal grey hairline.
T.V. / Telephone outlet	Wall mounted T.V./Telephone outlet by "HACO": QUATTRO W8201TV / W8201TU not more than 5 point. Choose 1 color for the front cover from Silver hairline, Gold hairline, Gun metal grey hairline.
Emergency light	1 set of twin LED lamp head emergency light install at stair hall or as drawing specified
Luminaire	Provided by the owner

STANDARD CONSTRUCTION MATERIAL LUXURY SERIES 2-2566

Electricity and Water Meter	
Permanent electric meter	30 Amps 3 phases meter. Fee and meter deposit covered by company. (Exclude the service area extension fee)
Permanent water meter	3/4" Diameter meter, Fee and meter deposit covered by company. (Exclude the service area extension fee)
Painting	
External wall	External acrylic paint " TOA ": Super shield or equal, 1 primer and 2 final coated
Internal wall	Internal acrylic paint " TOA ": Super shield Duraclean A+ or equal, 1 primer and 2 final coated
Steel surface	Emulsion paint " TOA ": Glipton or equal 1 primer and 2 final coated
Facia/Fiber Cement Board	External acrylic paint " TOA ": Super shield or equal, 1 primer and 2 final coated
Others	
Termite protection system	"BYER": Agenda termite chemical or equal spray on ground and 1 meter around the building. Springer system and PVC tube piping for termite protection chemical are installed beneath the first floor structure for termite protection chemical .
Tile adhesive	Glue cement by Singha, Crocodile, Tiger or Waber
Section 6 Warranty and maintenance	
Structure	20 years warranty for the structure
General work	2 years warranty for general work Exclude natural depreciation of materials due to long used and misused.

Remarks: The company reserves the right to change the list if needed but the price of the materials is not less than that stated above. The cost of the construction does not include:

- Old building demolition
- Interior decoration and garden
- Air conditioner system.
- Water drainage outside the construction site.
- Mosquito net, door and window steel bars, rain gutter