

# thyssenkrupp Elevator Corporation

## New Installation Budget

11/16/2016

*Prepared exclusively for*  
Cellestial Art Studios | Jacksonville, FL.

On behalf of thyssenkrupp Elevator Corporation (hereinafter 'thyssenkrupp'), I am pleased to quote **\$52,313.00** sales tax included and bond not included, to furnish and install **One (1) thyssenkrupp passenger elevator** at the aforementioned location. This quote is valid for 45 days and is based on plans, specifications – sections X, dated **XX.XX.2016** – addenda X, clarifications, exceptions and provided durations. Project completion must occur on or before **12.31.2017**, or the labor and material contained in this proposal will be subject to escalation.

### Value Engineering Opportunities & Alternates

1. Please deduct \$1,000 if owner signs 5-year service agreement along with NI contract
2. Please add \$2,600 for downlight LED ceiling with stainless steel finish
3. Please add \$950 for fire retardant protection pads and buttons

### Clarifications to Architectural Plans Dated XX/XX/2016 and Specification Section XXXX

1. Unless indicated plastic laminate and powder coat are standard selections, other options are subject to price increase
2. Equipment is designed per the latest ASME/ANSI A17.1 code requirements
3. Proposal includes On-Board-Service-Tool for non-proprietary functionality (serviceable by any elevator mechanic)
4. Proposal includes Pit Ladder, Integral Sill Supports and Automatic LED Fan/Light Shutdown
5. Price includes hoistway, pit, overhead and machine room to suit ThyssenKrupp Elevator's standard space for the capacities specified as per ThyssenKrupp shop drawings
6. Proposal assumes storage of elevator when onsite (within 25' of elevator shaft) and includes only (1) one mobilization
7. **Proposal based on below elevator specification summary only – No architectural of division 14 specification**
8. Proposal includes Endura Above ground hydraulic elevator with a first floor adjacent elevator machine room
9. Proposal assumes installation in 2017 calendar year – sump pump and hoist beam by others
10. Proposal assumes shaft dimensions per TKE submittals – no dimensions of elevator shaft on construction documents
11. Proposal assumes full set of construction documents to be reviewed prior to final pricing of elevator system

thyssenkrupp can proceed with preparation of layout drawings for review and approval with receipt of one (1) full set of plans and specifications, a copy of the preliminary schedule and the Subcontract Agreement. If you have any questions or concerns, please contact me at +1 (561) 791-4339. We appreciate your consideration.

Regards,

**James Marcic** | **LEED Green Associate**

New Equipment Sales Rep

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## Schedule of Equipment

### Elevator 1

#### thyssenkrupp Elevator

Units in Estimate	1	Opening Size	3 ft 6 in X 7 ft 0 in
Units in Group	1	Clear Ceiling Height	7 ft., 4 in.
Product	endura A	Clear Inside Cab Width	5 ft., 8 in.
Series	Standard	Clear Inside Cab Depth	4 ft., 3 in.
Application	Passenger	Hoistway Width	8 ft., 4 in.
Loading Class	A	Hoistway Depth	5 ft., 9 in.
Capacity	2500 lbs.	Pit Depth	4 ft., 0 in.
Speed	80 FPM	Clear Overhead (to safety beam)	12 ft., 3 in.
Travel	9 ft., 0 in.	Machine Room Location	Adjacent at Lowest Landing
Future Travel	0 ft., 0 in.	Controller	TAC 32
Stops	2 (2 front, 0 rear)	Emergency Power	Standby Operation
Doors	Single-speed, Side-Opening	Jack Type	Twinpost Holeless - 1 Stage
Power Supply	208 Volts, 60 Hz	Seismic Equipment	Non-Seismic

#### Cab

Cab Type	TKLP - Laminate Walls	Ceiling Finish	Powder Coated
Panel Type	N/A	Lighting	LED
Panel or Wall Finish	Plastic Laminate	Cab Sill	Aluminum
Cab Base	Brushed Stainless Steel	Handrail Type	2" Flat-Bar
Base Frieze, Reveal	N/A	Handrail Finish	Brushed Stainless Steel
Front Return, Transom	Brushed Stainless Steel	Handrail Location	Rear Wall Only
Cab Doors	Brushed Stainless Steel	Handrail Row Quantity	One (1)
Canopy	14 ga. cold rolled steel	Protective Pads	None included
Ceiling	Suspended Diffuser	Cab Finished Floor	By Others (not to exceed 3/8")

#### Car Fixtures

Type	Signa 4
Finish	Brushed Stainless
Fixtures Included	Swing Return
Car Position Indicator	Car-Riding Lantern

#### Limited Access Provisions

Type	N/A
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#### New Product Service

Months	Three (3)
24-Hour Service Available Overtime Callbacks are	Not Included

#### Hall Fixtures

Type	Signa 4
Finish	Brushed Stainless
Fixtures Included:	No Hall Lanterns
Position Indicators	No Position Indicators
Lobby Panel	No Lobby Panel

#### Entrances

Doors	2 Powder Coated
Frames	2 Powder Coated
Sills	2 Aluminum

**Included Additional Features:** Two Speed Fan, Automatic Fan/Light Shutdown, Fire Service Provisions, Hoistway Access at Top & Bottom Landings, ADA Phone, Non-Proprietary Controller, Solid State Starting, Biodegradable Oil, Pit Ladder

## General Terms and Conditions

Project schedule shall be mutually agreed upon by both parties in writing before becoming effective.

This proposal is based on the following payment terms:

- Fifty percent (50%) of the contract price will be due and payable within thirty (30) days from the receipt of the subcontract agreement. This initial progress payment will be applied to project management, permits, engineering and shop drawings, submittals, drilling mobilization (if required) and raw material procurement. Material will be ordered once this payment is received and subcontract is fully ratified.
- An additional twenty-five percent (25%) shall be due and payable when the material has been received at the thyssenkrupp warehouse. Receipt of payment is required prior to mobilization of labor. Progress payments shall be made throughout the life of the project. Should payments lag, we reserve the right to remobilize until such a time that the payments have been brought up to date, and thyssenkrupp has the available manpower
- thyssenkrupp Elevator shall retain exclusive ownership and control over all equipment installed pursuant to this agreement until such time as Purchaser has paid thyssenkrupp Elevator 100% of the full contract amount including change orders. Purchaser agrees to waive any and all claims to the turnover and/or use of that equipment until such time as those amounts are paid in full. Default by Purchaser in payment terms may result in interest on sums due and unpaid at 1.5% per month or at the highest legal rate, and suspension of work until all outstanding balances are paid.

In no event shall thyssenkrupp be responsible for liquidated, consequential, indirect, incidental, exemplary, and special damages.

Change Order/Overtime/additional / expedited work will be performed at the following rates and only after receipt of an executed Change Order

thyssenkrupp is not responsible for verifying field dimensions, or related work by others. All dimensions must be confirmed on submittal drawings.

thyssenkrupp Elevator warrants the equipment installed pursuant to this Agreement against defects in materials and workmanship for a period of one year from the date of Purchaser's execution of thyssenkrupp Elevator's "Final Acceptance" form(s).

All contract documents are subject to review by thyssenkrupp Elevator's legal department, which reserves the right to amend

This proposal is made without regard to compliance with any special purchasing and/or manufacturing requirements including, but not limited to, Buy American, Buy America, U.S. Steel, Far Clauses, MBE, WBE supplier requirements or any similar state or government procurement laws. Should any such requirements be applicable to this project, thyssenkrupp Elevator reserves the right to modify and/or withdraw this proposal.

Note: Rates are subject to change after **12.31.2017**

Scope of Work	Hourly Rate
Mechanic Standard	\$XXX per Man Hour
Team Standard	\$XXX per Team Hour
Team OT	\$XXX per Team Hour

Listed rates are for construction phase only.

### Lead Times

Contract ratification (can run concurrently with layout drawing package preparation and approval; allow additional time for amendments to non-thyssenkrupp subcontracts)	2-4 Weeks, Varies
Preparation of layout drawing package (upon receipt of subcontract and plans)	2-4 weeks, Varies
Approval of layout drawing package, by purchaser (additional time required for cab, signal, entrance preparation and approval, if applicable. One revision is included in quoted price; additional charges and additional time will apply for additional revisions)	2-3 Weeks
Fabrication time (from receipt of all approvals, fully ratified contract, Material Release Form and PP&E payment)	16-18 Weeks per Elevator

Listed lead times are approximate as of the date of this proposal.

thyssenkrupp will require:

1. Full executed subcontract agreement, including any attached amendments
2. Payment for pre-production and engineering prior to the release of the elevator equipment for fabrication
3. Signed thyssenkrupp Material Release Form
4. Completely approved layout drawing package

## Work Not Included

thyssenkrupp shall be provided with uninterrupted access to the elevator hoistway and machine room areas to perform work between regular IUEC working hours of regular working days, Monday thru Friday, statutory holidays excluded.

The Purchaser agrees to provide unobstructed tractor-trailer access and roll-able access from the unloading area to the elevator or escalator hoistways or wellways. The Purchaser agrees to provide a dry and secure area adjacent to the hoistway(s) at the ground level for storage of the elevator equipment and tools within ten (10) business days from receipt at the local thyssenkrupp warehouse. Any warranties provided by thyssenkrupp for elevator equipment will become null and void if equipment is stored in any manner other than a dry, enclosed building structure. Any relocation of the equipment as directed by the Purchaser after initial delivery will be at the customer's expense.

Purchaser will be required to sign off on the Material Release Form, which will indicate the requested delivery date of equipment to the site. If Purchaser is not ready to accept delivery of the equipment within ten (10) business days of the agreed upon date, Purchaser will immediately make payments due for equipment and designate an area adjacent to the elevator shaft where Purchaser will accept delivery. If Purchaser fails to provide this location or an agreeable alternative, thyssenkrupp is authorized to warehouse the equipment at the thyssenkrupp warehouse at Purchaser's risk and expense. Purchaser shall reimburse thyssenkrupp for all costs due to extra handling and warehousing. Storage beyond ten (10) business days will be assessed at a rate of \$100.00 per calendar day for each elevator, which covers storage and insurance of the elevator equipment and is payable prior to delivery.

thyssenkrupp includes one mobilization for installation to the jobsite. A mobilization fee of \$2,500.00 per crew per occurrence will be charged for pulling off the job or for any delays caused by others once material has been delivered and thyssenkrupp work has commenced.

Access for this installation shall be free and clear of any obstructions. A forklift for unloading and staging material shall also be provided at no additional cost.

We have included provisions for one elevator inspection. In the event that the elevator fails inspection due to work of other trades, thyssenkrupp will be compensated by change order prior to scheduling a re-inspection. The cost of each re-inspection shall be \$1,500.00 plus a remobilization fee of \$2,500.00.

thyssenkrupp will be responsible for cleanup of elevator packaging material; however, composite cleanup participation is not included. On-site dumpster provided by others.

Unless required by specification, there are no provisions for "temporary use" of the elevator(s) prior to completion and acceptance of the complete installation. Temporary use shall be agreed to in accordance with the standard thyssenkrupp Temporary Use Agreement. Cost for temporary use of an elevator shall be \$50.00 per calendar day per hydraulic elevator and \$75.00 per calendar day for each traction elevator for rental use only, excluding personnel to operate. All labor and parts, including callbacks required during the rental use period will be billed at local billing rates. In the event that an elevator must be provided for temporary use, thyssenkrupp will require 30 days to perform final adjustments and re-inspection after the elevator has been returned to thyssenkrupp with all protection, intercoms and temporary signage removed. This duration does not include any provisions for finish installation or for repairs of same, which shall be addressed on a project-by-project basis. Cost for preparation of controls for temporary use, refurbishment due to normal wear and tear, readjustment and re-inspection is \$3,500.00 per elevator up to 10 floors. For installations above 10 stops, an additional cost of \$1,500.00 / 10 floors shall apply. These costs are based on work performed during normal working hours. Temporary use excludes vandalism or misuse. Any required signage, communication devices, elevator operators, and protection are not included. All overtime premiums for repairs during the temporary use period will be billed at our local service billing rates.

OSHA compliant removable barricades are to be provided by others prior to installation (thyssenkrupp will replace if removed by thyssenkrupp). Barricades must allow clearance for installation of entrance frames and should be located no less than 24" from the exterior face of the hoistway wall. Prior to beginning installation, entrance protection or netting must be installed in accordance to OSHA 1926.451(h)(1) to prevent any objects from falling down the shaft; please note that installation and netting are by others at no cost to thyssenkrupp. Purchaser agrees to indemnify, defend and hold thyssenkrupp harmless for any OSHA citations received as a result of Purchaser's non-compliance with OSHA standards. For MRL building supported applications and overhead traction applications, an OSHA approved work platform at the top landing served will be required.

thyssenkrupp shall be provided a dry legal hoistway, properly framed and enclosed, and including a pit of proper depth and overhead. This is to include steel safety beam, inspection or access platforms, access doors, sump pump, lights, waterproofing, as required; dewatering of pit(s) and required screening. An OSHA compliant steel safety beam with a minimum capacity verified by structural engineer must be furnished and installed by others 2" below the overhead roof deck as shown on the thyssenkrupp shop drawings prior to elevator installation. Hoist-way shall be square and plumb within 1" from top to bottom of the total hoistway height. If hoistway is outside of this required tolerance, Purchaser shall pay extra for any additional modifications required for a proper installation. Purchaser must provide adequate backing for the elevator guide rails (as shown on the elevator shop drawings). If not, Purchaser will be subject to extra charges due to any additional work required or delay. Provide 75 degree bevel guards on all projections, recesses or setbacks in excess of 4" in accordance with ASME A17.1. thyssenkrupp shall be provided a dry legal hoistway, properly framed and enclosed, and including a pit of proper depth and overhead. This is to include steel safety beam, inspection or access platforms, access doors, sump pump, lights, waterproofing, as required; dewatering of pit(s) and required screening. An OSHA compliant steel safety beam with a minimum capacity verified by structural engineer must be furnished and installed by others 2" below the overhead roof deck as shown on the thyssenkrupp shop drawings prior to elevator installation. Hoist-way shall be square and plumb within 1" from top to bottom of the total hoistway height. If hoistway is outside of this required tolerance, Purchaser shall pay extra for any additional modifications required for a proper installation. Purchaser must provide adequate backing for the elevator guide rails (as shown on the elevator shop drawings). If not, Purchaser will be subject to extra charges due to any additional work required or delay. Provide 75 degree bevel guards on all projections, recesses or setbacks in excess of 4" in accordance with ASME A17.1.

thyssenkrupp shall be provided a legal machine room, adequate for the elevator equipment, including floors, trap doors, gratings, foundations, lighting, ventilation sized per the thyssenkrupp shop drawings. Machine room temperature to be maintained between 50 and 90 degrees Fahrenheit, with relative humidity less than 95% non-condensing.

Maximum wall thickness for elevator doorframe is 12.5". Purchaser must specify this thickness on the layout approvals.

All grouting, fire caulking, cutting and removal of walls and floors, patching, coring, penetrations and painting (except as specified) and removal of obstructions required for elevator work are by others. Proper trenching and backfilling for any underground piping and/or conduit are by others.

Any tube steel and/or rail backing, including embeds and weld plates, that may be required by thyssenkrupp for rail bracket attachment or guide rail support is to be furnished and installed by others flush with the hoistway from pit floor to the top of the overhead to carry the loads of all equipment. Guide rails for traction elevators must attach to steel, CMU or concrete, not wood. Support the full width of the hoistway at each landing for anchoring or welding the thyssenkrupp sill support shall be furnished and installed by others as detailed on the thyssenkrupp layouts. Structural steel doorframes with extensions to beam above if required on hoistway sides and sills for freight elevators, including finish painting these items shall be by others.

Rough openings for the entrances shall be no less than what is delineated on the elevator shop drawings. Purchaser to provide adequate bracing of entrance frames to prevent distortion during wall construction.

Suitable connections from the power main to each controller and signal equipment feeders as required, including necessary circuit breakers and fused mainline disconnect switches per NEC will be supplied by others prior to installation and will have the same characteristics as permanent power. Piping & wiring to controller for mainline power, car lighting, and any other building systems that interface with the elevator controls is by others. (Per N.E.C. Articles 620-22 and 620-51) will also be provided by others. A means to automatically disconnect the main line and the emergency power supply to the elevator prior to the application of water in the elevator machine room will be furnished by others if required. Any required hoistway, machine room, pit lighting and/or 110v service outlets shall be by others. Temporary 220v single phase (50 amps) within 50 feet of each hoistway shall be provided by others.

Purchaser agrees to provide a bonded ground wire, properly sized, from the elevator controller(s) to the primary building ground.

Conduit and wiring for remote panels to the elevator machine room(s) and between panels shall be by others. Remote panels required by local jurisdictions are not included.

Sprinklers, smoke/heat detectors on each floor, machine room and hoistways, shunt trip devices (not self-resetting) and access panels as may be required are to be furnished and installed by others.

Purchaser shall provide a dedicated, analog telephone line monitored 24 hours, as well as normally open dry contacts for smoke/heat sensors, which shall be terminated by others at a properly marked terminal in the elevator controller.

Emergency power supply including automatic time delay transfer switch and auxiliary contacts with wiring to designated elevator controller shall be provided by others. Electrical cross connections between machine rooms for emergency power are to be provided by others.

Should building settling occur which requires elevator rail alignment modifications within the Installation period and New Product Service period, additional charges will apply.

Any governmentally required safety provisions not directly involved for elevator installation shall be provided by others.

The cab floor shall have a 3/8" recess and 50 lb. weight allowance for finish flooring furnished and installed by others.

#### **Conventional Hydraulics Only**

Purchaser agrees to provide at no cost a crane to hoist elevator equipment as needed, including hydraulic cylinders to be placed in the ground.

When required, the excavation of the elevator cylinder well hole will be based on drilling through soil free from rock, sand, water, building construction members and obstructions. A 32" x 32" block-out, or as the block-out indicated on thyssenkrupp layouts, in the pit floor shall be provided by the Purchaser. Adequate ingress and egress, including ramping, shall be provided for a truck-mounted drill rig. Removal of all dirt and debris from each hole location shall be by others. Only thyssenkrupp standard HDPE or PVC protection system with bottomless corrugated steel casing will be provided for "in-ground" hydraulic jack assemblies. Should obstructions be encountered, thyssenkrupp will proceed only after written authorization has been received from the Purchaser. The contract price shall be increased by the amount of additional labor at thyssenkrupp's standard hourly rates, and the actual cost of any additional material plus 15%. Any required trenching and backfilling for underground piping or casings, and conduit as well as any compaction, grouting, and waterproofing of block-out shall be work by others. Methane barriers or coordination/access are not included and are to be engineered and installed by others. Access shall be provided at no cost to 2" pressurized water supply within 100'-0" of the jack hole location. Layout is to be by others when excavation of jack hole is from grade.

Purchaser agrees to provide a 4' x 4' opening in the elevator hoistway overhead as required by thyssenkrupp.

#### **Hydraulic Machine Roomless Applications Only**

Purchaser agrees to provide full rough opening to accept controller, typically on floor above bottom landing. Purchaser agrees to provide an 8"-12.5" minimum finished wall thickness at controller location. Purchaser agrees to provide all interconnects (building power, fire alarm signals, phone line) to the top of the controller frame.

Purchaser agrees to provide cooling or heating as necessary to maintain 50-95 degree Fahrenheit temperature in hoistway at all times.

#### **Traction Machine Roomless Applications Only**

Purchaser agrees to provide at no cost a crane to hoist elevator equipment as needed. For a synergy machine room-less installation, the top of the hoistway shall not be installed until after the hoist machines can be set in place with a crane.

For synergy machine room-less applications, Purchaser shall provide thyssenkrupp installation crew a work platform in the hoistway at the top landing. The platform shall be constructed to the specification provided to the Purchaser by thyssenkrupp.

Beam pockets with bearing plates to support the loads of the overhead machine assembly on synergy machine roomless applications shall be furnished and installed by others per the thyssenkrupp layouts.

The Purchaser will provide a temporary 220 VAC - 30 amps single-phase terminal with disconnect for each traction elevator in the machine room(s) at the start of the job for temporary operation of work platform.

#### **Traditional Traction Elevators Only**

Proposal is based on installation of all non-MRL machines on structural slab. If machine beams are required, additional charges will apply and they will be installed bottom of machine beam to top of house steel. We will not cope machine beams. Machine room clearances may need to be modified to comply.

Basement/adjacent traction machines shall be supported by structural foundations with embedded machine bolts as shown on thyssenkrupp layouts. Overhead traction machines shall be supported by structural machine room floors with steel embed plates furnished and installed by others as shown on the thyssenkrupp layouts.

Purchaser agrees to provide at no cost a crane to hoist elevator equipment as needed. For a traditional overhead traction installation, the top of the machine room shall not be installed until after the hoist machines can be set in place with a crane.

The Purchaser will provide a temporary 220 VAC - 30 amps single-phase terminal with disconnect for each traction elevator in the machine room(s) at the start of the job for temporary operation of work platform.