

Newsletter

PRECISION ESTIMATORS

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**“TO REACH THE HIGHEST
LEVEL OF EXCELLENCE AND
PROFESSIONALISM IN THE
ESTIMATION INDUSTRY.”**

Getting Started

The Precision Estimators vision enhances the internal culture, and maintains its reputation as an Estimation leader, an employer of choice, a trustworthy and respected contractor and an active community member.

Precision Estimators are around since last many years, providing invaluable services in the Estimation industry all over the World. Having expertise in all fields of estimation & quantity take-off, we carry out all aspects of quantity / material take-off starting from planning to the final finishing of the projects.

We are one of the top growing Estimation Company, known for our well-recognized ability to deliver projects with exceptional quality on time and budget and for our extensive fleet of tool and plant.

We provide unsurpassed professional estimating and take off services as well as cost validation services and more. We use the latest software to provide the most accurate costs estimates. We are a team of specialized individuals with different skill sets, focused on providing our clients with the latest construction estimations innovations.

VISION:

"COMMITTED TO EXCELLENCE IN ALL AREAS OF ESTIMATION & CUSTOMER SERVICES"
TO REACH THE HIGHEST LEVEL OF EXCELLENCE AND PROFESSIONALISM IN ESTIMATION INDUSTRY.

OUR MISSION:

We believe in building long lasting business relationships with our clients and at Precision Estimators, each and every client is important.

TRUST US:

We solve problems in a way that is efficient and effective. We overcome barriers to enrollment for clients, invest in staff development, and engage with partners to innovate.

AVAILABILITY:

We have proven to be available at client's call at any time, any place 24/7.

SOLUTIONS:

We excel in providing all kinds of solutions related to Estimation & Project Mangement & Scheduling.

"YOU DREAM IT, WE BUILD IT. WE PROVIDE 24/7 SERVICES OF ESTIMATION TO OUR CLIENTS"



OUR SERVICES:

We are one of the top growing Estimation company, known for our well-recognized ability to deliver projects with exceptional quality on time and budget and for our extensive fleet of tool and plant.

➤ Project Estimation

We provide off shore estimation services for full G.C. work including MEP, using Bluebeam Revu. 2017, Planswift Professional and Xactimate.

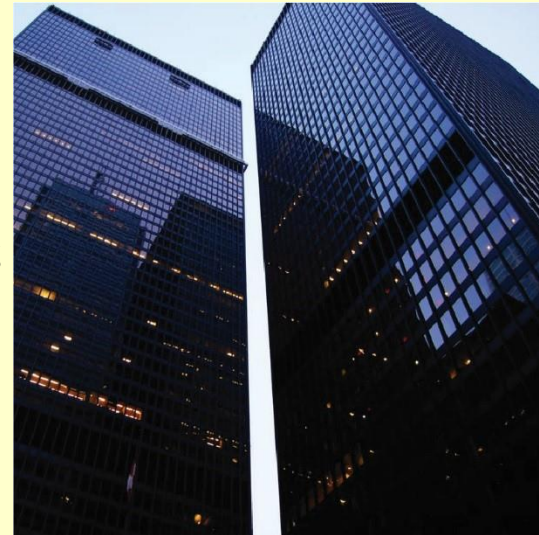
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- Dry Wall Takeoff
- Flooring Takeoff
- Concrete & Formwork Takeoff
- Metal Takeoff
- Carpentry Takeoff
- Earthwork Takeoff
- Reinforcement Takeoff
- Plumbing Takeoff
- Electrical & HVAC Takeoff

➤ Project Scheduling

Expertise in Primavera Project Planning, Enterprises & MS Project for Scheduling, Cost and resources loading/ levelling and progressive monitoring.

➤ Project Management

Let us desire, conceive, and create the new structure of the future. We have experienced, highly qualified and dynamic team of Engineers specializing in multiple aspects of design.



“YOU DREAM IT, WE BUILD IT. WE PROVIDE 24/7 SERVICES OF ESTIMATION”

➤ **Excavation Takeoff:**

Excavation is the process of moving earth, rock or other materials with tools, equipment or explosives. It includes earthwork, trenching, wall shafts, tunnelling and underground. Also we can define an excavation is a cavity formed by cutting, digging or scooping.

S#	Dwg.	Ref #	DESCRIPTION	QTY.	Fluff Factor	Qty w/ Waste	UNIT	UNIT COST	TOTAL COST
EARTH WORK									
EXCAVATION									
1	Q1-Q4		(1.0" Deep) Excavation <i>Note: Tacking Fluff Factor 20%</i>	89	20%	107			\$0.0
2	Q1-Q4		(2" Deep) Excavation <i>Note: Tacking Fluff Factor 20%</i>	22	20%	27			\$0.0
3	Q1-Q4		(3" Deep) Excavation <i>Note: Tacking Fluff Factor 20%</i>	22	20%	27			\$0.0
Subtotal									\$0.00
BACKFILL									
4	Q1-Q4		(0.5" Depp) Backfill <i>Note: Tacking Fluff Factor 20%</i>	4	20%	5			\$0.0
5	Q1-Q4		(1.0" Depp) Backfill <i>Note: Tacking Fluff Factor 20%</i>	144	20%	173			\$0.0
6	Q1-Q4		(1.5" Depp) Backfill <i>Note: Tacking Fluff Factor 20%</i>	8	20%	9			\$0.0
7	Q1-Q4		(2" Depp) Backfill <i>Note: Tacking Fluff Factor 20%</i>	72	20%	87			\$0.0
8	Q1-Q4		(3" Depp) Backfill <i>Note: Tacking Fluff Factor 20%</i>	65	20%	78			\$0.0
9	Q1-Q4		(4" Depp) Backfill <i>Note: Tacking Fluff Factor 20%</i>	16	20%	19			\$0.0
Subtotal									\$0.00
Contractor Profit					25%				\$0.00
Grand Total									\$0.00

➤ **Roofing Takeoff:**

A roof is part of a building envelope. It is the covering on the uppermost part of a building or shelter which provides protection from animals and weather, notably rain or snow, but also heat, wind and sunlight. The word also denotes the framing or structure which supports that covering. Different types of roof coverings are shingles, membrane roofing, roof tiles, metal roofs, Roof pavers.

S#	Dwg.	Key Note #	DESCRIPTION	QTY.	Wastage	Qty w/ Waste	UNIT	UNIT COST	TOTAL COST
07300 SHINGLES, ROOF TILES AND ROOF COVERINGS									
13	A101-A107	6	Asphalt Shingle Roof (Flat) as: - Asphalt Shingles - Shingle Underlayment - 3/4" Plywood Sheathing	33757	10%	37133	sf		\$0.0
Subtotal									\$0.00
07400 SIDING PANNELS									
14	A201-A204	2	Fiber Cement Siding - 7" Lap Siding - Color 1	7233	10%	7956	sf		\$0.0
15	A201-A204	3	Fiber Cement Siding - 4" Lap Siding - Color 1	1054	10%	1159	sf		\$0.0
16	A201-A204	4	Fiber Cement Siding - 7" Lap Siding - Color 2	11368	10%	12505	sf		\$0.0
17	A201-A204	5	Fiber Cement Panel - Color 2	1602	10%	1762	sf		\$0.0
Subtotal									\$0.00
FLASHING									
18	A201-A204		(3" H x 1/2" Thk.) Starter Strip	1625	10%	1788	lf		\$0.0
19	A201-A204		Alum. Flashing	1625	10%	1788	lf		\$0.0
20	A201-A204		Backer Rod and Sealant	7000	10%	7700	lf		\$0.0
21	A201-A204		Self Adhered Flashing	1625	10%	1788	lf		\$0.0
22	A201-A204		Fiber Cement Accent Trim	1625	10%	1788	lf		\$0.0
23			ZIP System Wall Sheathing w/ Interior Weather Barrier	35658	10%	39224	sf		\$0.0
24			Caulking at Perimeter of window	7000	10%	7700	lf		\$0.0
Subtotal									\$0.00
07700 ROOF SPECIALTIES AND ACCESSORIES									
25	A101-A107	15	Metal DownSpot	77	0%	77	ea		\$0.0
26	A201-A204	13	Aluminum Wrapped Fascia	1356	10%	1492	lf		\$0.0
27	A101-A107	15	Metal Gutter	1320	10%	1452	lf		\$0.0
28	A201-A204		Metal Trim	7000	10%	7700	lf		\$0.0

➤ Demolition Takeoff:

Demolition is tearing down process of any building/structure. Demolition contrasts with de-construction, which means taking a building apart carefully while preserving the valuable things for re use e.g. un-installation of AC or skylight etc. Demolition as only implies with de-construction or un-installation of things, it doesn't have any effect on units of quantity measured. We don't add 10% wastage in demolition (Wastage happens in construction purposes only).

S#	Dwg.	Ref #	DESCRIPTION	QTY.	Wastage	Qty w/ Waste	UNIT	UNIT COST	TOTAL COST
DIVISION 01 - DEMOLITION									
1	AD-01	Demo Key Note Legend # 1, 2	Remove interior CMU wall	7025.25	0%	7025	sf		\$0.0
2	AD-01	Demo Key Note Legend # 1	Remove door	7	0%	7	ea		\$0.0
3	AD-01	Demo Key Note Legend # 1	Remove contents of room	6	0%	6	ea		\$0.0
4	AD-01	Demo Key Note Legend # 3	Remove interior metal railing	53	0%	53	lf		\$0.0
5	AD-01	Demo Key Note Legend # 3	Remove interior concrete stairs	129	0%	129	sf		\$0.0
6	AD-01	Demo Key Note Legend # 4	Remove interior edge of slab wood Bumper	61	0%	61	lf		\$0.0
7	AD-01	Demo Key Note Legend # 5	Remove exterior wall	12730	0%	12730	sf		\$0.0
8	AD-01	Demo Key Note Legend # 6	Remove exterior storefront system	1732	0%	1732	sf		\$0.0
9	AD-01	Demo Key Note Legend # 7	Remove exterior planter	2	0%	2	ea		\$0.0
10	AD-01	Demo Key Note Legend # 8	Remove exterior concrete ramp	193	0%	193	sf		\$0.0

➤ Wall Finishes Takeoff:

This Trade includes: Wall Paints, Stucco (fine plaster usually applied on exterior walls). Wall covering (for example wall papers).

S#	Dwg.	Ref #	DESCRIPTION	QTY.	Wastage	Qty w/ Waste	UNIT	UNIT COST	TOTAL COST
			Subtotal						\$0.00
FLOORING									
99	A1-01	See Schedule at A12-01	Concrete Flooring	93602	10%	102962	sf		\$0.0
100	A1-01	See Schedule at A12-01	Sealed Concrete Flooring	1272	10%	1399	sf		\$0.0
100	A1-01	See Schedule at A12-01	Creteseal Flooring	22841	10%	25125	sf		\$0.0
			Subtotal						\$0.00
PAINTING									
101	A1-01	See Schedule at A12-01	Paint on exposed structure ceiling	117715	10%	129487	sf		\$0.0
102	A1-01	See Schedule at A12-01	Paint on existing CMU Wall	850	10%	935	sf		\$0.0
103	A1-01	See Schedule at A12-01	Paint on gypsum board wall	57834	10%	63617	sf		\$0.0
			Subtotal						\$0.00

➤ **Opening Takeoff:**

We provide complete breakdown estimate of door, frames, Hardware, Windows, Skylights depending upon material and size used.

DIVISION 08 - OPENINGS								
DOORS								
21	A-500	See Schedule	Type A: (3x8) Single Glass Door	6	0%	6	EA	\$0.00
22	A-500	See Schedule	Type D: (3x7) Hollow Metal Door	4	0%	4	EA	\$0.00
23	A-500	See Schedule	Type C: (26"x8) Hollow metal Door	2	0%	2	EA	\$0.00
24	A-500	See Schedule	Type B: (30"x7) Hollow metal Door	2	0%	2	EA	\$0.00
DOOR HARDWARES								
25	A-500		Hardware Set # 1 as: -Hinge = 2 Per Leaf -Lockset = 1 Ea -Closer = 1 EA -Silencers = 3 Per Leaf -Stop = 1 EA	3	0%	3	EA	\$0.00
26	A-500		Hardware Set # 2 as: -Hinge = 3 Per Leaf -Lockset = 1 Ea -Closer = 1 EA -Silencers = 3 Per Leaf -Stop = 1 EA	2	0%	2	EA	\$0.00
27	A-500		Hardware Set # 3 as: -Hinge = 3 Per Leaf -Door Pull = 1 Ea -Catch = 1 EA	3	0%	3	EA	\$0.00

➤ **Façade Takeoff:**

Building facades are one of the largest, most important elements in the overall aesthetic and technical performance of a building. Façade Engineering is the art and science of resolving aesthetic, environmental and structural issues to achieve the effective enclosure of buildings.

ITEM #	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	TOTAL UNIT COST	ITEM COST	TRADE COST
EXTERIOR FINISHES								
81	Texture coated and painted wall finish	26	10%	29	m ²	\$	-	
82	3m H Texture coated and painted wall finish (Returns)	81	10%	89	m ²	\$	-	
83	SCTON AXON Wall 133mm vertical cladding	171	10%	188	m ²	\$	-	
84	weather groove ruff sawn150mm	5	10%	6	m ²	\$	-	
85	Face brickwork off white mortar	67	10%	74	m ²	\$	-	
86	Finish on block/concrete wall	18	10%	20	m ²	\$	-	
87	3m H SCTON AXON Wall 133mm vertical cladding (Returns)	64	10%	70	m ²	\$	-	
88	3m H Face brickwork off white mortar (Returns)	29	10%	32	m ²	\$	-	

➤ Dry Wall Takeoff:

Drywall (also known as plasterboard, wallboard, gypsum board) is a panel made of gypsum plaster pressed between two thick sheets of paper. It is used to make interior walls and ceilings. Drywall construction became prevalent as a speedier alternative to traditional lath and plaster

S#	Dwg.	Ref #	DESCRIPTION	QTY.	Wastage	Qty w/ Waste	UNIT	UNIT COST	TOTAL COST
			DRYWALL						
		See Wall Legends	Wall Type "2" as:						
74	A-1.01		(1- Layer) 5/8" Thk. Fire code gypsum board on one side	4097	10%	4507	sf		\$0.0
74	A-1.01		2-12" Metal studs @ 16" O.C.	4097	10%	4507	sf		\$0.0
75	A-1.01		2" Thk. (R-13) Rigid Insulation	4097	10%	4507	sf		\$0.0
76	A-1.01		Sealant at top and bottom on one side	482	10%	530	lf		\$0.0
		See Wall Legends	Wall Type "3" as:						
77	A-1.01		(1- Layer) 5/8" Thk. Fire code gypsum board on one side	153	10%	168	sf		\$0.0
78	A-1.01		6" 20GA Metal studs @ 16" O.C.	153	10%	168	sf		\$0.0
79	A-1.01		6" Thk. (R-19) Batt insulation	153	10%	168	sf		\$0.0
80	A-1.01		Sealant at top and bottom on one side	18	10%	20	lf		\$0.0
		See Wall Legends	Wall Type "5" as:						
81	A-1.01		(1- Layer) 5/8" Thk. Fire code gypsum board on both side	9010	10%	9911	sf		\$0.0
82	A-1.01		6" 20GA Metal studs @ 16" O.C.	4505	10%	4956	sf		\$0.0
83	A-1.01		Sealant at top and bottom on both side	1060	10%	1166	lf		\$0.0
		See Wall Legends	Wall Type "6" as:						
84	A-1.01		(3- Layer) 5/8" Thk. Fire code gypsum board on both side	23460	10%	25806	sf		\$0.0
85	A-1.01		6" 20GA Metal studs @ 16" O.C.	7820	10%	8602	sf		\$0.0
86	A-1.01		Sealant at top and bottom on both side	1840	10%	2024	sf		\$0.0

➤ Flooring Takeoff:

Flooring is the Finish material used for permanent covering of floor. It can be of following types; Masonry flooring i.e. Brick floor, Granite, Marble, Slate, Stone floor etc. Wood flooring i.e. Maple wood floor, White Oak floor, red oak floor etc. Resilient Flooring. It is defined as flooring that is firm, yet has a “give or bounce back.” For example VCT (Vinyl Composite Tile) Floor and Rubber Floors are also resilient floors. Carpet. It can also be in the form of Carpet Tile.

S#	Dwg.	Ref #	DESCRIPTION	QTY.	Wastage	Qty w/ Waste	UNIT	UNIT COST	TOTAL COST
			Subtotal						\$0.00
			FLOORING						
99	A1-01	See Schedule at A12-01	Concrete Flooring	93602	10%	102962	sf		\$0.0
100	A1-01	See Schedule at A12-01	Sealed Concrete Flooring	1272	10%	1399	sf		\$0.0
100	A1-01	See Schedule at A12-01	Creteseal Flooring	22841	10%	25125	sf		\$0.0
			Subtotal						\$0.00
			PAINTING						
101	A1-01	See Schedule at A12-01	Pain on exposed structure ceiling	117715	10%	129487	sf		\$0.0
102	A1-01	See Schedule at A12-01	Paint on existing CMU Wall	850	10%	935	sf		\$0.0
103	A1-01	See Schedule at A12-01	Paint on gypsum board wall	57834	10%	63617	sf		\$0.0
			Subtotal						\$0.00

➤ **Concrete & Formwork Takeoff:**

Concrete and formwork includes the quantity of concrete and formwork required for slabs, beams, column and all other RCC and PCC components.

CONCRETE AND FORMWORK OF PILE CAPS/GROUND BEAM			Tuesday, July 9, 2019						
S#	REFERENCE DWG#	STRUCTURE TYPE LOCATION	LENGTH (m)	WIDTH (m)	DEPTH (m)	CONCRETE (m3)	PERIMETER (m)	UNITS (each)	FORMWORK (Sqm)
GROUND BEAM AT SCOUR PROTECTION									
1	Section 1 /STR-11020	Rectangular Concrete Beam 40 MPa Strength	101.4	0.3	0.5	15.21	104.40	2.00	104.40
PILES CAP OF DUPLICATE BRIDGE (P1-01 TO P1-08)									
2	STR-11031	Concrete Grade (VR 400/40) 40 MPa w/ 45 mm cover against formwork	24	1.2	0.8	23.04	50.40	1.00	40.32
3		50mm Thick Blinding Concrete	24	1.2	0.05	1.44	-	-	-
PILES CAP OF EXTENSION BRIDGE (P1-09 TO P1-11)									
4	STR-11031	Concrete Grade (VR 400/40) 40 MPa w/ 45 mm cover against formwork	10	1.2	0.8	9.6	22.40	1.00	17.92
5		50mm Thick Blinding Concrete	10	1.2	0.05	0.6	-	-	-
PILES CAP WEST WINGWALLS (PWW-01 TO PWW-04)									
6	STR-11031	4 x Concrete Grade (VR 400/40) 40 MPa	1.4	1.35	1.3	9.828	5.50	4.00	28.60
7		50mm Thick Blinding Concrete	1.4	1.35	0.05	0.378	-	-	-
PILES CAP EAST WINGWALLS (PEW-01 TO PEW-04)									
8	STR-11031	4 x Concrete Grade (VR 400/40) 40 MPa	1.4	1.35	1.3	9.828	5.50	4.00	28.60
9		50mm Thick Blinding Concrete	1.4	1.35	0.05	0.378	-	-	-

➤ **Metal Takeoff:**

Metal work include Basic Metal Materials and Methods, Structural Metal Framing, Structural Metal Framing, Metal Joists, Metal Deck, Cold-Formed Metal Framing, Metal Fabrications, Hydraulic Fabrications, Ornamental Metal, Expansion Control and Metal Restoration and Cleaning.

DIVISION 03 - METAL										
WALL FRAMING										
54	S3-15	S4-02	6" 16GA Metal studs @ 16" O.C. in wall			4148	10%	4563	sf	\$0.0
Subtotal										\$0.00
STEEL COLUMNS										
55	S3-11 - S3-16	See Schedule at S3-01	C1: HSS 6x6x5/16 17 Pieces			7973.51	10%	8771	lbs	\$0.0
56	S3-11 - S3-16	See Schedule at S3-01	C2: HSS 6x6x5/16 15 Pieces			7035.45	10%	7739	lbs	\$0.0
57	S3-11 - S3-16	See Schedule at S3-01	C3: HSS 6x6x5/16 8 Pieces			3752.24	10%	4127	lbs	\$0.0
58	S3-11 - S3-16	See Schedule at S3-01	MFC-1: HSS 12x8x1/2 8 Pieces			2080.8	10%	2289	lbs	\$0.0
59	S3-11 - S3-16	See Schedule at S3-01	MFC-2: HSS 12x8x1/2 7 Pieces			1820.7	10%	2003	lbs	\$0.0
Subtotal										\$0.00
BASE PLATE										
60	S3-11 - S3-16	See Schedule at S3-01	Type 1: PL 1"x12"x1" 17 ea			697	10%	767	lbs	\$0.0
61	S3-11 - S3-16	See Schedule at S3-01	Type 2: PL 3/4"x6"x1" 15 ea			225	10%	248	lbs	\$0.0
62	S3-11 - S3-16	See Schedule at S3-01	Type 3: PL 3/4"x9"x9" 8 ea			136	10%	150	lbs	\$0.0
63	S3-11 - S3-16	See Schedule at S3-01	Type 4: PL 1"x20"x2" 8 ea			1088	10%	1197	lbs	\$0.0
64	S3-11 - S3-16	See Schedule at S3-01	Type 5: PL 1"x24"x24" 7 ea			1337	10%	1471	lbs	\$0.0

➤ **Reinforcement Takeoff:**

Reinforcement includes the steel bar used in beams, columns, slab and footing of a structure. It involves all the steel that is used in RCC structure.

REINFORCEMENT OF PILE CAPS/GROUND BEAM					Tuesday, July 9, 2019				
S#	REFERENCE	REINFORCEMENT BARS LOCATION/SHAPE (Numbers N dia-spacing Location)	DIA (mm)	CUT LENGTH	BARS (Each)	NO. OF SIDE	TOTAL LENGTH	WEIGH T/m	TOTAL WEIGHT
GROUND BEAM									
1	Detail-1 /STR-11020	6N16 Top & Bottom/ Side Bars - Lap length 700mm - Cut Length 12m	16	12	9	6	659.20	1.58	1040.41
2	Detail-1 /STR-11020	Rectangular N16-200 Ligs Bars - Cut length 1.4m	16	1.4	508	1	711.20	1.58	1122.49
PILES CAP OF DUPLICATE BRIDGE (P1-01)									0.00
3	STR-11032	N16 Closed Ligs & (2 Rows) Tie Bars Set - Ligs Cut Length 3.7 m - Tie Cut Length 0.9 m Each Bar	16	5.5	161	1	885.50	1.58	1397.58
4	STR-11032	3N16 Tie Bars For Starter Bars - Cut Length 0.7m Each Bar	16	0.7	121	3	254.10	1.58	401.05
5	STR-11032	L-Bar N28 @ 200mm Starter Bars - Cut length 2.4m	28	2.4	121	2	580.80	4.83	2807.32
6	STR-11032	Continuous 7N28 Bottom Bars - Lap length 1.35m	28	1.35	2	7	186.90	4.83	903.39
7	STR-11032	Continuous 7N24 Top Bars - Lap length 1.35m	24	1.35	2	7	183.54	3.55	651.78
8	STR-11032	Continuous 3N20 Each Face Bars - Lap length 0.9m	20	0.9	2	6	144.20	2.47	355.61
9	Section A-B /STR-8065	Continuous 1N20 Each Face Bars For Starter - Lap length 0.9m	20	0.9	2	2	48.20	2.47	118.87
#	Section A-B /STR-8065	U-Bars 3N16 Each End Face Bars - Lap length 2.4m	16	2.4	3	2	14.60	1.58	23.04
11	Section A-B /STR-8065	U-Bars 7N16 Each End Top/Bottom Bars - Lap length 1.4m	16	1.4	7	2	19.80	1.58	31.25
PILES CAP OF WIDENING BRIDGE (P1-09 TO									0.00
#	STR-11032	N16 Closed Ligs & (2 Rows) Tie Bars Set - Ligs Cut Length 3.7 m - Tie Cut Length 0.9 m Each Bar	16	5.5	68	1	372.17	1.58	587.39

➤ **Electrical & HVAC Takeoff:**

It includes all the switches, boards and electrical wiring takeoff. Heat Ventilation and Air conditioning includes all the air conduit and heater installed in a structure.

S#	Dwg.	Dwg. Ref	DESCRIPTION	QTY.	Wastage	Qty w/ Waste	UNIT	UNIT COST	TOTAL COST
DIVISION 26 - ELECTRICAL									
LIGHT FIXTURES									
415			1x4' LED Recessed light by Lithonia	12	0%	12	EA		\$0.00
416			2x4' LED Recessed light by Focal Point	13	0%	13	EA		\$0.00
417			2x4' LED Recessed light by Lithonia	12	0%	12	EA		\$0.00
418			4' Long LED industrial strip light w/ lens	15	0%	15	EA		\$0.00
419			4' Long LED Recessed light by Focal Point	9	0%	9	EA		\$0.00
420			4' Long Wall light above mirror by Brownlee	5	0%	5	EA		\$0.00
421			4" SQ. LED down light by Lithonia	28	0%	28	EA		\$0.00
422			6' Long LED Recessed light by Focal Point	2	0%	2	EA		\$0.00
423			8' Long LED Recessed light by Focal Point	4	0%	4	EA		\$0.00
424			16' Long LED light by Lithonia	22	0%	22	EA		\$0.00
425			16' Long LED Recessed light by Focal Point	3	0%	3	EA		\$0.00
426			17' Long LED light by Focal Point	2	0%	2	EA		\$0.00
427			LED flagpole upright floodlight by Lithonia	2	0%	2	EA		\$0.00
428			LED High bay by Lithonia	12	0%	12	EA		\$0.00
429			LED shower rated down light by Lithonia	6	0%	6	EA		\$0.00
430			LED sign light floodlight by Lithonia	2	0%	2	EA		\$0.00
431			LED surface light	8	0%	8	EA		\$0.00
432			Pole mounted LED light by Lithonia	5	0%	5	EA		\$0.00
433			Wall mounted LED light by Lithonia	5	0%	5	EA		\$0.00
434			48" Wide, 10" tall LED Pendant light by Lumenat	1	0%	1	EA		\$0.00

➤ **Plumbing Takeoff:**

It includes all the sanitary items such as, wash basin, sink and the cold and hot water, sewer pipelines. It also includes the vanity, flushing cistern and all other quantities takeoff.

S#	Dwg.	Dwg. Ref	DESCRIPTION	QTY.	Wastage	Qty w/ Waste	UNIT	UNIT COST	TOTAL COST
			DIVISION 22 - PLUMBING						
			FIXTURES						
280			Decon sink (type: S1)	2	0%	2	EA		\$0.00
281			Decon sink (type: S2)	1	0%	1	EA		\$0.00
282			Emergency eye wash (type: EW1)	1	0%	1	EA		\$0.00
283			Floor drain (type: FD)	9	0%	9	EA		\$0.00
284			Floor drain (type: FD1)	2	0%	2	EA		\$0.00
285			Funnel floor drain (type:FFD)	1	0%	1	EA		\$0.00
286			Lavatory (type: L1)	8	0%	8	EA		\$0.00
287			Lavatory (type: L2)	2	0%	2	EA		\$0.00
288			MOP sink (type: MS1)	1	0%	1	EA		\$0.00
289			Over flow roof drain (type: TD-1)	6	0%	6	EA		\$0.00
290			Over flow roof drain (type: TD-2)	2	0%	2	EA		\$0.00
291			Shower head (type: SH1)	8	0%	8	EA		\$0.00
292			Shower head (type: SH2)	1	0%	1	EA		\$0.00
293			Urinal (type: U1)	2	0%	2	EA		\$0.00
294			Wall mounte dual electrical water cooler (type:EWC-1)	1	0%	1	EA		\$0.00
295			Water closet (type: 1)	4	0%	4	EA		\$0.00
296			Water closet (type: 2)	2	0%	2	EA		\$0.00
297			Roof drain	8	0%	8	EA		\$0.00
298			Overflow roof drain	8	0%	8	EA		\$0.00
299			Lint trap	1	0%	1	EA		\$0.00

➤ **Carpentry Takeoff:**

Carpentry involves wood blocking framing, sheathing, Furring, Nailers, sub-flooring, rough hardware, light wood construction.

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