

## THREE STOREY SYSTEMS

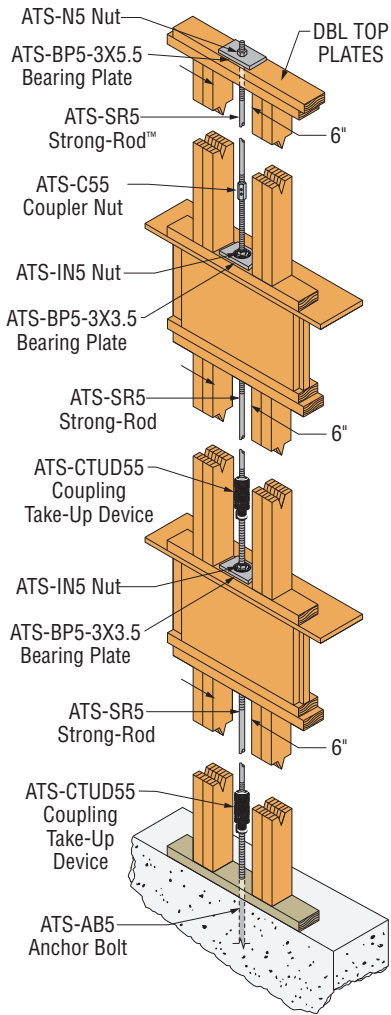
ATS System			CTDS31		CTDS32C	
3rd floor	Plates/Studs		D.Fir-L	S-P-F	D.Fir-L	S-P-F
	Factored Tensile Resistance, $T_r$	kN	40.47	40.47	42.45	42.45
		lbs	9085	9085	9530	9530
	8' Posts	2x4 framing	(1) - 2x4 each side	(2) - 2x4 each side	(2) - 2x4 each side	(2) - 2x4 each side
		2x6 framing	(1) - 2x6 each side	(1) - 2x6 each side	(1) - 2x6 each side	(1) - 2x6 each side
	Incremental Bearing Resistance	kN	40.47	39.22	70.13	59.53
lbs		9085	8805	15745	13365	
2nd floor	Factored Tensile Resistance, $T_r$	kN	40.47	40.47	82.72	82.72
		lbs	9085	9085	18570	18570
	8' Posts	2x4 framing	(1) - 2x4 each side	(2) - 2x4 each side	(2) - 2x4 each side	(3) - 2x4 each side
		2x6 framing	(1) - 2x6 each side	(1) - 2x6 each side	(1) - 2x6 each side	(2) - 2x6 each side
	Incremental Bearing Resistance	kN	40.47	39.22	70.13	59.53
		lbs	9085	8805	15745	13365
1st floor	Factored Tensile Resistance, $T_r$	kN	40.47	40.47	82.72	82.72
		lbs	9085	9085	18570	18570
	8' Posts	2x4 framing	(1) - 2x4 each side	(2) - 2x4 each side	(2) - 2x4 each side	(3) - 2x4 each side
		2x6 framing	(1) - 2x6 each side	(1) - 2x6 each side	(1) - 2x6 each side	(2) - 2x6 each side

See footnotes below.

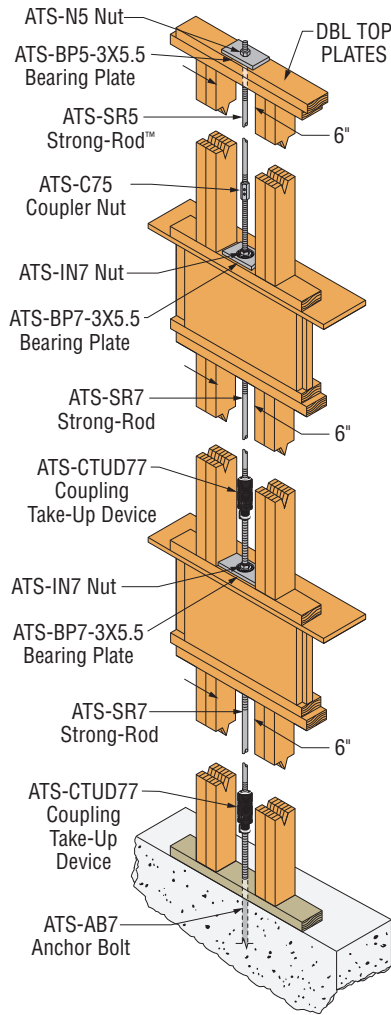
ATS System			CTDS33	
3rd floor	Plates/Studs		D.Fir-L	S-P-F
	Factored Tensile Resistance, $T_r$	kN	42.45	42.45
		lbs	9530	9530
	8' Posts	2x4 framing	(2) - 2x4 each side	(2) - 2x4 each side
		2x6 framing	(1) - 2x6 each side	(1) - 2x6 each side
	Incremental Bearing Resistance	kN	70.13	59.53
lbs		15745	13365	
2nd floor	Factored Tensile Resistance, $T_r$	kN	85.79	85.79
		lbs	19260	19260
	8' Posts	2x4 framing	(3) - 2x4 each side	(3) - 2x4 each side
		2x6 framing	(1) - 2x6 each side	(2) - 2x6 each side
	Incremental Bearing Resistance	kN	76.15	57.64
		lbs	17095	12940
1st floor	Factored Tensile Resistance, $T_r$	kN	136.64	136.64
		lbs	30675	30675
	8' Posts	2x4 framing	(4) - 2x4 each side	(4) - 2x4 each side
		2x6 framing	(2) - 2x6 each side	(3) - 2x6 each side

1. Unless specifically requested, anchor bolts are not included in the system runs.
2. Post design is based on the tension capacity of the system. The Designer is responsible for verifying that posts are capable of resisting all required load combinations.

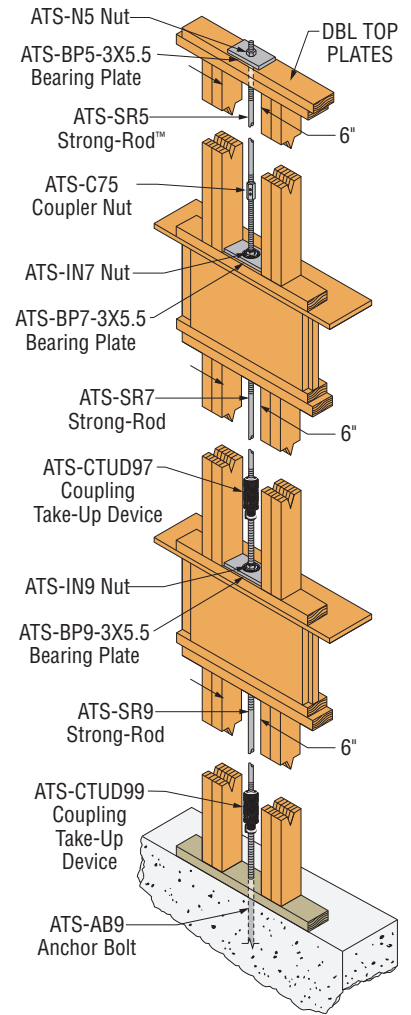
# THREE STOREY SYSTEMS



**CTDS31**



**CTDS32C**



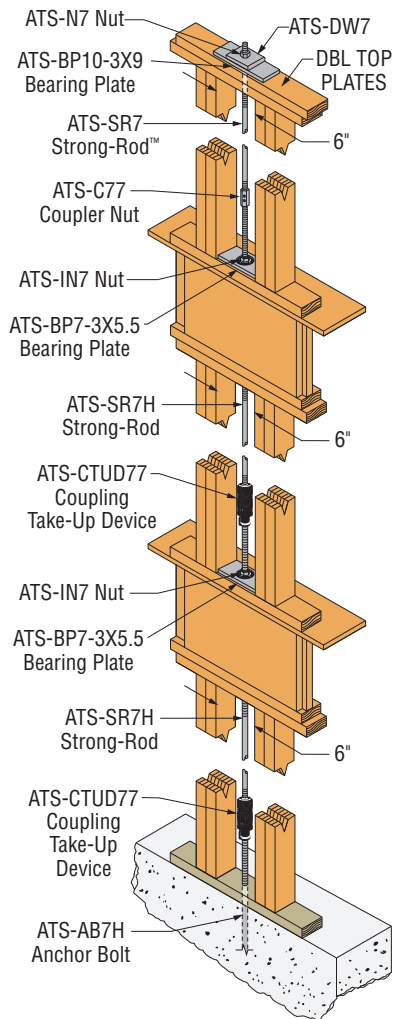
**CTDS33**

Anchorage to concrete and foundation design by Designer.

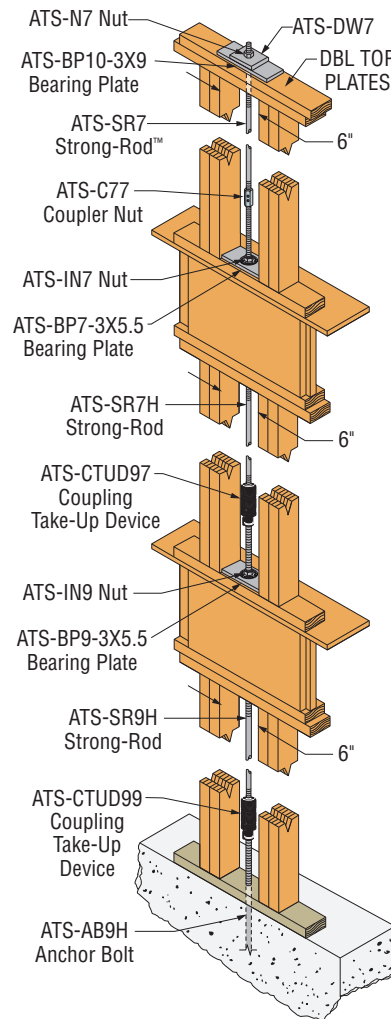
# THREE STOREY SYSTEMS

ATS System		CTDS34B		CTDS35B		
3rd floor	Plates/Studs	D.Fir-L	S-P-F	D.Fir-L	S-P-F	
	Factored Tensile Resistance, $T_r$	kN	85.79	85.79	85.79	85.79
		lbs	19260	19260	19260	19260
	8' Posts	2x4 framing	(3) - 2x4 each side	(3) - 2x4 each side	(3) - 2x4 each side	(3) - 2x4 each side
		2x6 framing	(1) - 2x6 each side	(2) - 2x6 each side	(1) - 2x6 each side	(2) - 2x6 each side
	Incremental Bearing Resistance	kN	70.13	59.53	70.13	59.53
lbs		15745	13365	15745	13365	
2nd floor	Factored Tensile Resistance, $T_r$	kN	155.92	145.32	155.92	145.32
		lbs	35005	32625	35005	32625
	8' Posts	2x4 framing	(4) - 2x4 each side	(4) - 2x4 each side	(4) - 2x4 each side	(4) - 2x4 each side
		2x6 framing	(2) - 2x6 each side	(3) - 2x6 each side	(3) - 2x6 each side	(3) - 2x6 each side
	Incremental Bearing Resistance	kN	70.13	59.53	76.15	57.64
		lbs	15745	13365	17095	12940
1st floor	Factored Tensile Resistance, $T_r$	kN	165.46	165.46	232.07	202.96
		lbs	37145	37145	52100	45565
	8' Posts	2x4 framing	(4) - 2x4 each side	(5) - 2x4 each side	—	—
		2x6 framing	(2) - 2x6 each side	(3) - 2x6 each side	(3) - 2x6 each side	(4) - 2x6 each side

1. Unless specifically requested, anchor bolts are not included in the system runs.
2. Post design is based on the tension capacity of the system. The Designer is responsible for verifying that posts are capable of resisting all required load combinations.



**CTDS34B**



**CTDS35B**

Anchorage to concrete and foundation design by Designer.