

LOAD TABLES

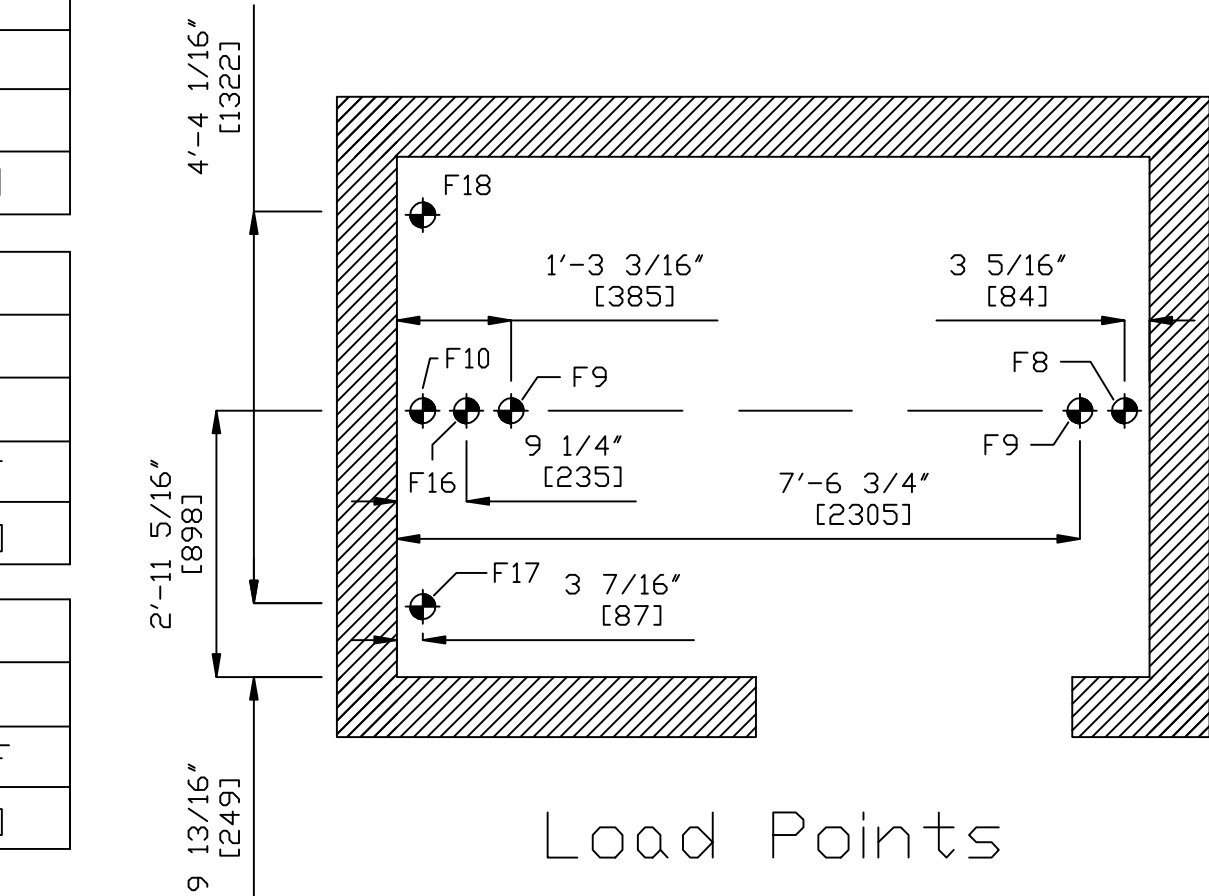
IMPACT LOADS					
VERTICAL LOADS AT PIT (BUFFER IMPACT)		VERTICAL LOADS AT PIT UNDER GUIDE RAILS (INCLUDING IMPACT LOAD DUE TO SAFETIES APPLICATION, GOVERNOR LOAD AND EQUIPMENT ON RAILS)			
F9	F10	F8	F16	F17	F18
8096 LBF	11163 LBF	9891 LBF	13168 LBF	3130 LBF	3130 LBF
[36.0 KN]	[49.7 KN]	[44.0 KN]	[58.6 KN]	[13.9 KN]	[13.9 KN]

CAR RAIL LOADS			
NON-SEISMIC		SEISMIC	
F	P	F	P
225 LBF	114 LBF	593 LBF	311 LBF
[1002 N]	[508 N]	[2637 N]	[1383 N]

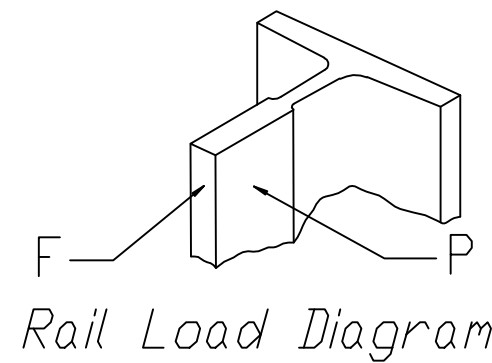
CWT-RAIL LOADS			
NON-SEISMIC		SEISMIC	
F	P	F	P
75 LBF	6 LBF	674 LBF	313 LBF
[334 N]	[26 N]	[2994 N]	[1391 N]

STATIC RAIL LOADS FROM EQUIPMENT SUPPORTED			
F8	F16	F17	F18
3891 LBF	6748 LBF	1971 LBF	1971 LBF
[17.3 KN]	[30.0 KN]	[8.8 KN]	[8.8 KN]

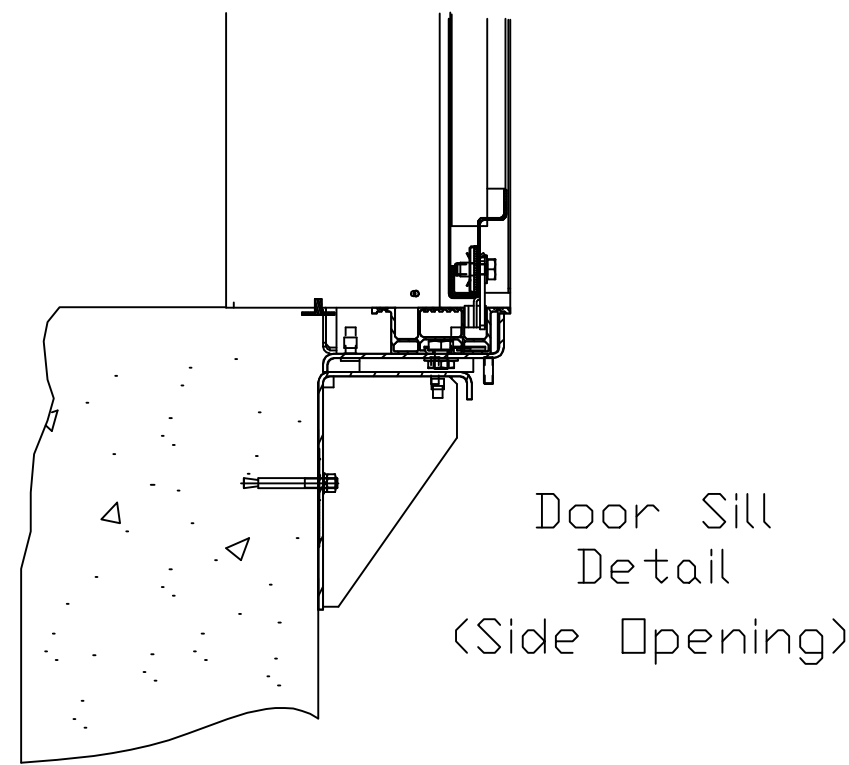
NOTE: F9 & F10 Do not occur simultaneously with F8 & F16



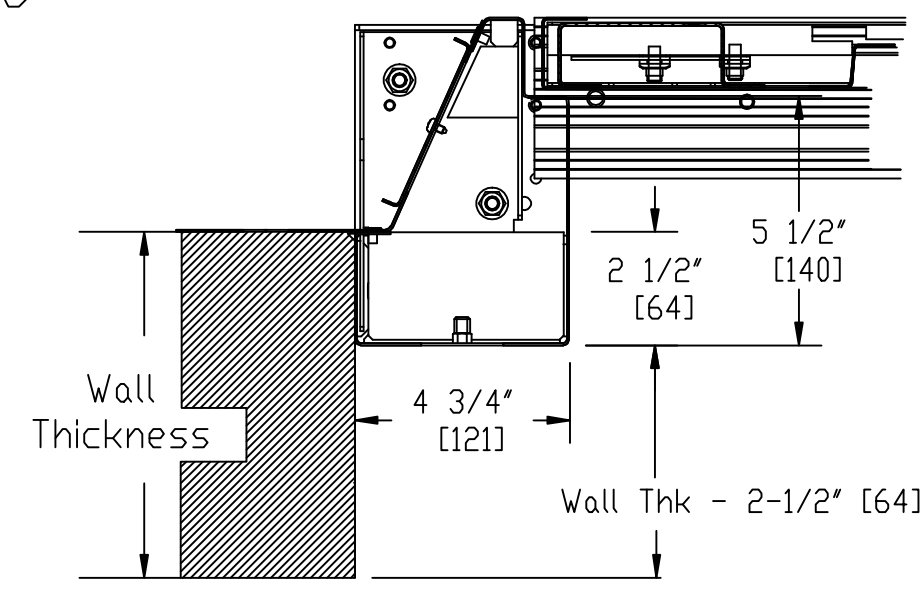
Load Points



Rail Load Diagram



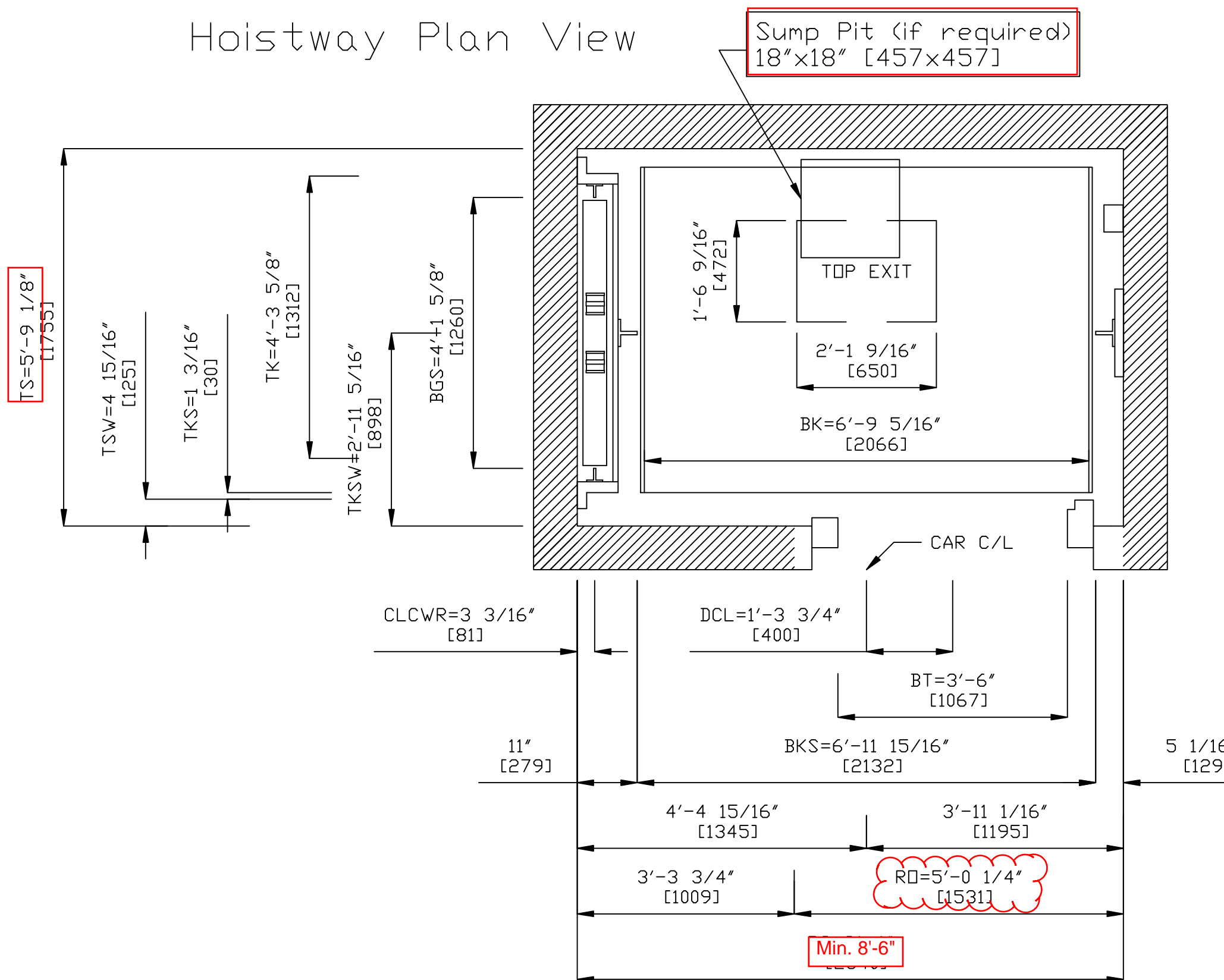
Door Sill Detail (Side Opening)



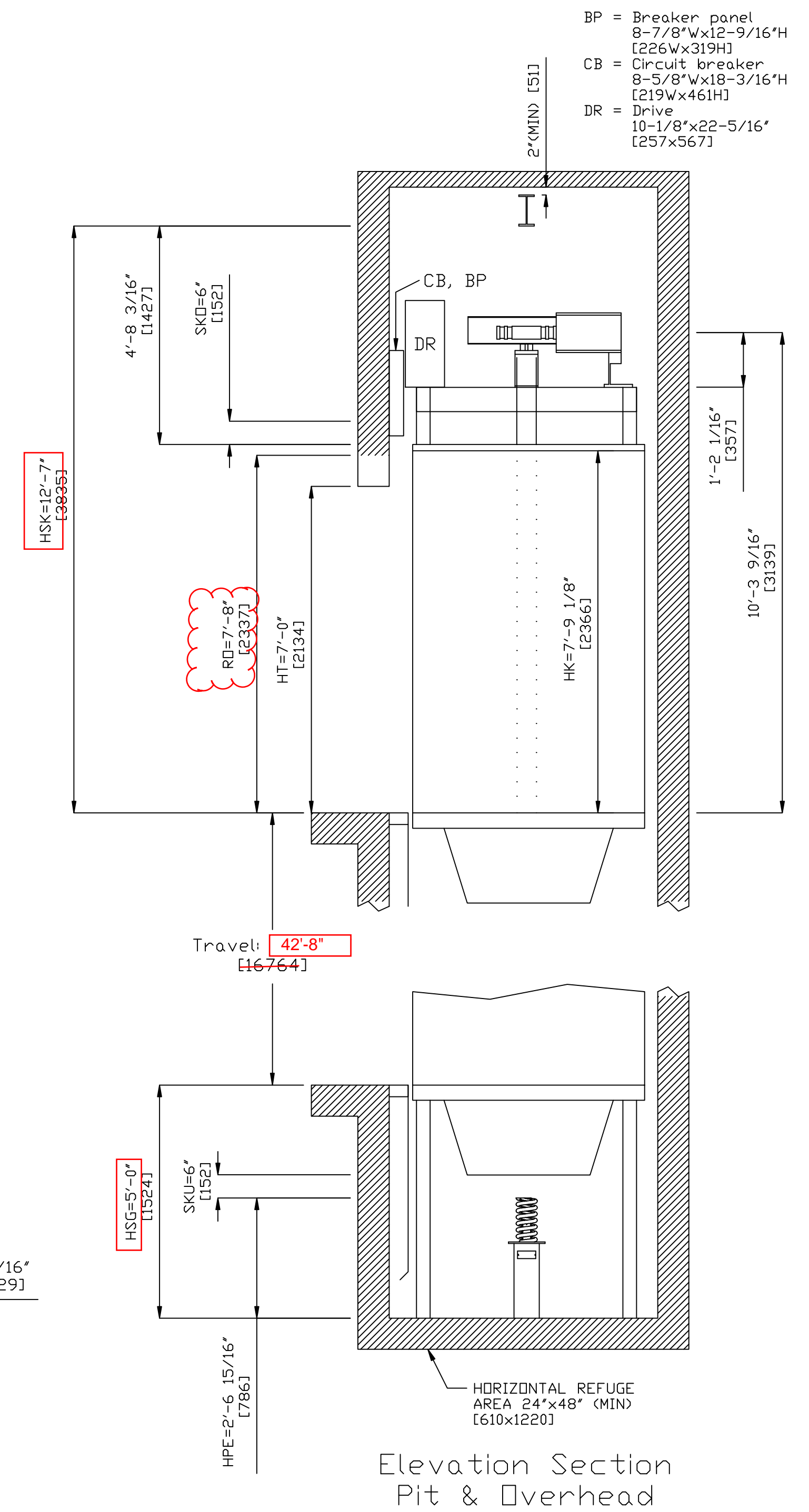
Entrance Jamb Detail (Side Opening)

ACRONYM	DEFINITION	ACRONYM	DEFINITION
BGS	DISTANCE BETWEEN CWT GUIDE RAILS	RHD	RAIL HEAD DEPTH
BK	CAR WIDTH (INSIDE)	RO	ROUGH OPENING
BKS	DISTANCE BETWEEN CAR GUIDE RAILS	SKD	TOP RUNBY
BS	HOISTWAY WIDTH	SKU	BOTTOM RUNBY
BT	ENTRANCE OPENING WIDTH (HOISTWAY)	TCRR	TOP OF CAR RAIL
CLCWR	C/L CWT RAIL	TCWR	TOP OF CWT RAIL
DCL	DOOR C/L	TK	CAR DEPTH (INSIDE)
HK	CAB HGT TO UNDERSIDE OF CANOPY	TKS	RUNNING CLEARANCE
HSG	PIT DEPTH	TKSW	FRONT H/W WALL TO C/L RAILS
HSK	OVERHEAD HEIGHT	TS	HOISTWAY DEPTH
HT	ENTRANCE OPENING HEIGHT	TSW	ENTRANCE SILL DEPTH

Hoistway Plan View



Sump Pit (if required) 18"x18" [457x457]



Elevation Section Pit & Overhead

PURCHASER NOTES: THE FOLLOWING NOTES SHOULD BE CONSIDERED BY THE PURCHASER BEFORE APPROVING THIS DRAWING WHEN THE APPLICABLE LOCAL CODES INCLUDE OTHER REQUIREMENTS OR CONFLICT WITH THE REFERENCED CODES BELOW, THE LOCAL CODES SHALL PREVAIL.

- Clear, plumb, hoistway with variations not to exceed +25mm (+1"). Hoistway enclosure to be fire rated per national code requirements and applicable building codes (rule 2.1.1).
- Power for construction adjacent to hoistways and machine/control rooms (110/220 volt, single phase, for welders and hoists) and sufficient 3-phase power to run elevator(s) at the same time.
- 75° bevel guards on all projections, recesses or setbacks over 100mm (4").
- Provide venting of the hoistway per national code requirements and applicable building codes (rule 2.1.4).
- Clear, flat, vertical or horizontal surfaces for mounting rail brackets at each floor, in overhead, and intermediate levels (if required).
- For masonry block hoistway construction, Schindler will provide rail bracket inserts for installation by others.
- For non-masonry hoistway construction with floor heights exceeding 4.5m (15ft), structural support at 2.4m (8ft) to 4.5m (15ft) above finished floor level for entrance strut angle attachment.
- Grouting around entrance frames and finished floor and grout to sill line after installation of entrance.
- Construction barricades (per OSHA requirements) either outside of elevator hoistway(s) or between elevators inside of hoistway(s) as required.
- Dry pit reinforced to sustain vertical forces from rails and impact loads on buffers (rule 2.2.2). Car buffer impact loads as calculated (rule 8.2.3).
- Adequate sealing and waterproofing of pit. Effective prevention of pit exposure to storm water or ground water.
- Sump pit, if required, to be located in rear center of pit floor.

- GFCI convenience outlet and light fixture with guard in pit (National Electrical Code).
- Pit ladder for each elevator in compliance with rule 2.2.4.2.
- GFCI convenience outlet and telephone outlet located in machine/control room.
- Provide, preferably at the top landing, a lockable, fused disconnect switch or circuit breaker suitable for 3-phase power for the elevator control and a separate lockable, fused disconnect switch for car lighting circuit for each elevator.
- Building corridors shall be lighted so that the illumination level at the landing sills, when an elevator is in service, shall not be less than 100 LUX (10 FC). (RuleE 2.11.10.2)
- For areas in seismic zone 2 or greater, provide additional 2" (50 mm) TO hoistway width.
- Hoist beam(s) required. Contact local Schindler office for sizing and location.
- Provide suitable feeder and branch wiring circuits from the building service to the controller, including main line switch, for signal systems, power operated doors, car lighting and convenience outlets.
- A temporary work platform is required for installation of the elevator.
- If applicable, smoke and/or heat detectors with signals to elevator controller(s).

3300 TRACTION ELEVATOR PLANS AND DETAILS

SPECIFICATIONS

CAPACITY:	2500 lbs [1135 kg]
RATED SPEED:	150 fpm [0.75 mps]
TRAVEL:	20'-0" [6.10 m]
BUILDING:	Tremain Project
LOCATION:	
OWNER:	
ARCHITECT:	SCHINDLER ENGINEER
DRAWN BY:	SchindlerDraw 2
DATE:	
DRAWING NO:	