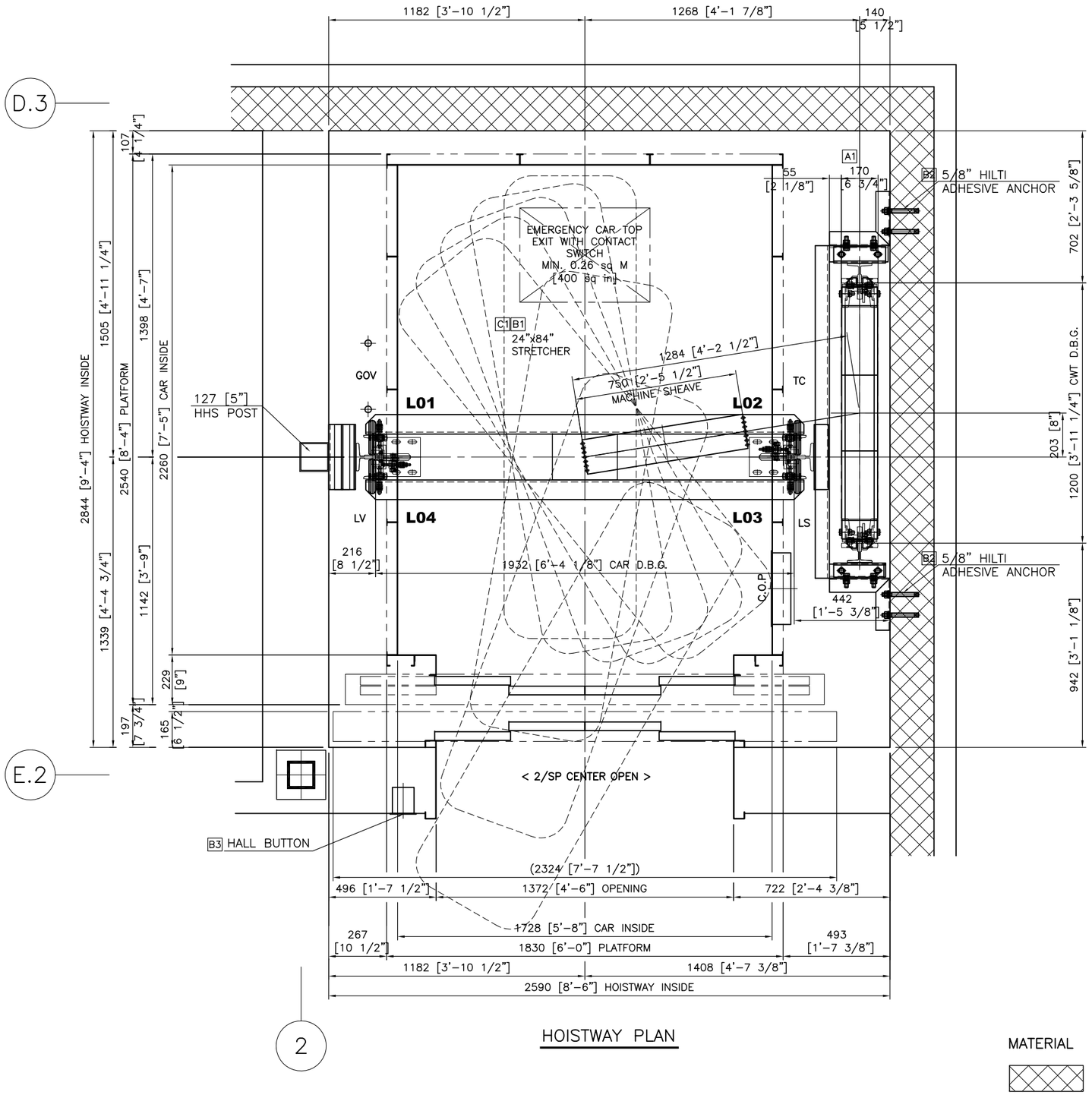
DWG. FORM : (594x420)



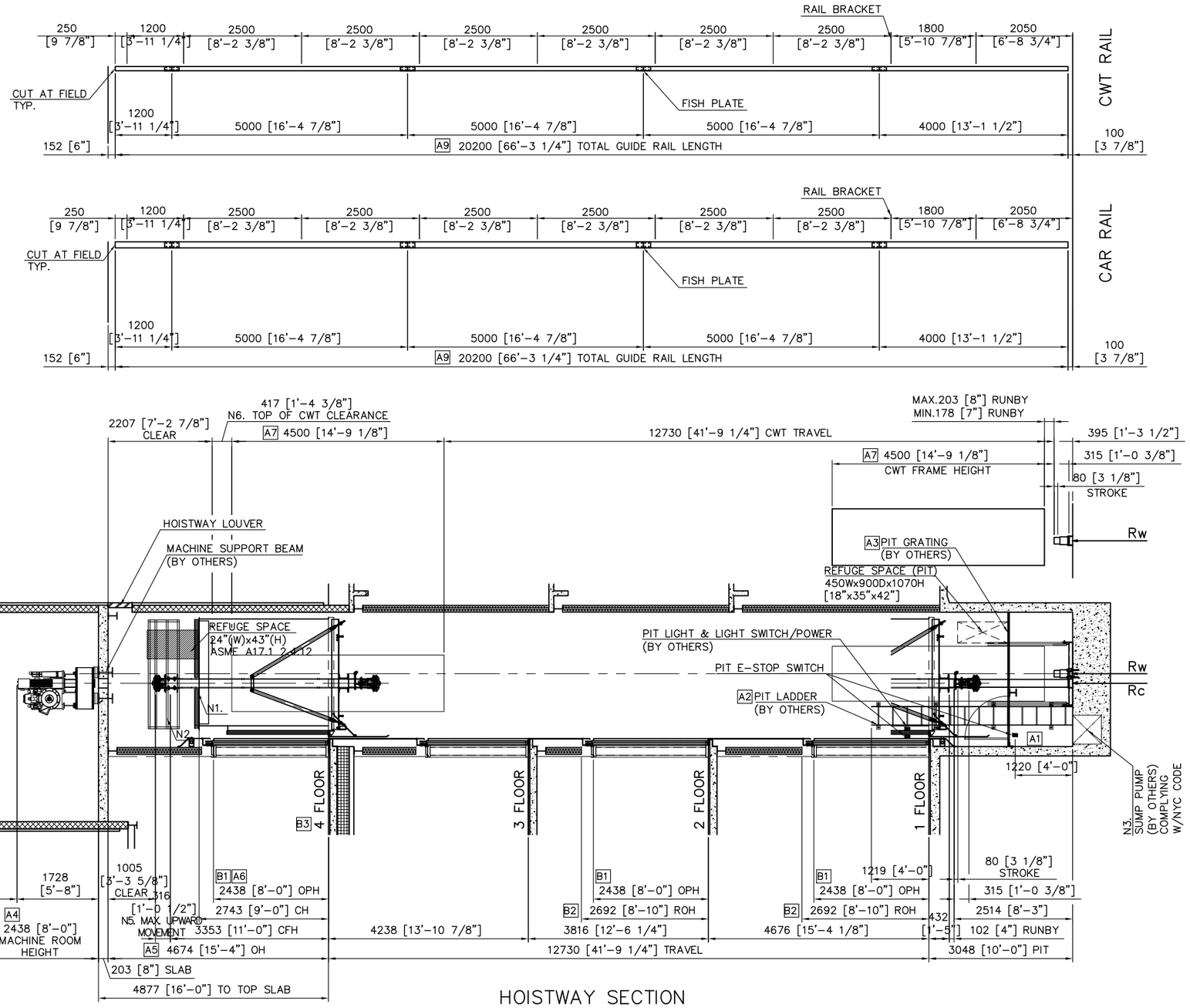
HOISTWAY PLAN

MATERIAL

: CMU BLOCK

OH-4000 lbs [1814 Kg]-2SP CO 200FPM-4/4
CAR INSIDE AREA : 42.04 sq.ft [3.91 sq.M]

DWG. FORM : (594x420)



HOISTWAY SECTION

A8

MATERIAL

: CONCRETE

: SHEET ROCK

: CMU BLOCK

OPH = OPENING HEIGHT
ROH = ROUGH OPENING HEIGHT
CFH = CAR FRAME HEIGHT
CH = CAB HEIGHT
OH = OVERHEAD
OT = OVER TRAVEL

– OVERHEAD DIMENSIONS ARE BASED OFF OF FINISHED FLOOR AT TOP LANDING NOT SLAB LEVEL.

PIT REACTION		
Rc	IMPACT ON CAR BUFFER SUPPORT	42964 lbf [190.9 kN]
Rw	IMPACT ON CWT BUFFER SUPPORT	34043 lbf [151.3 kN]

NOTE

N1. TOP CEILING GUIDE (4" HEIGHT)
N2. CAR TOP SAFETY GUIDE
N3. SUMP PUMP & DRAIN 600x600 (BY OTHERS)
N4. POCKETS HAVE TO BE FILLED BEAM INSTALLATION (BY OTHERS)
N5. MAXIMUM UPWARD MOVEMENT OF THE CAR
= COUNTERWEIGHT RUNBY + BUFFER STROKE + ONE–HALF OF THE GRAVITY STOPPING DISTANCE
= 203 + 80 + {51 x {1.0 x 1.15) ^{2} }/2 = 316 mm
N6. TOP OF COUNTERWEIGHT CLEARANCE
= CAR RUNBY + BUFFER STROKE + 152 + ONE–HALF OF THE GRAVITY STOPPING DISTANCE
= 152 + 80 + 152 + {51 x $(1.0 \times 1.15)^2$ }/2 = 417 mm
N.7 OVERHEAD DIMENSIONS ARE BASED OFF OF FINISHED FLOOR AT TOP LANDING NOT SLAB LEVEL.
B4 N.8 PIT REACTION LOADS DO NOT ACT SIMULTANEOUSLY.