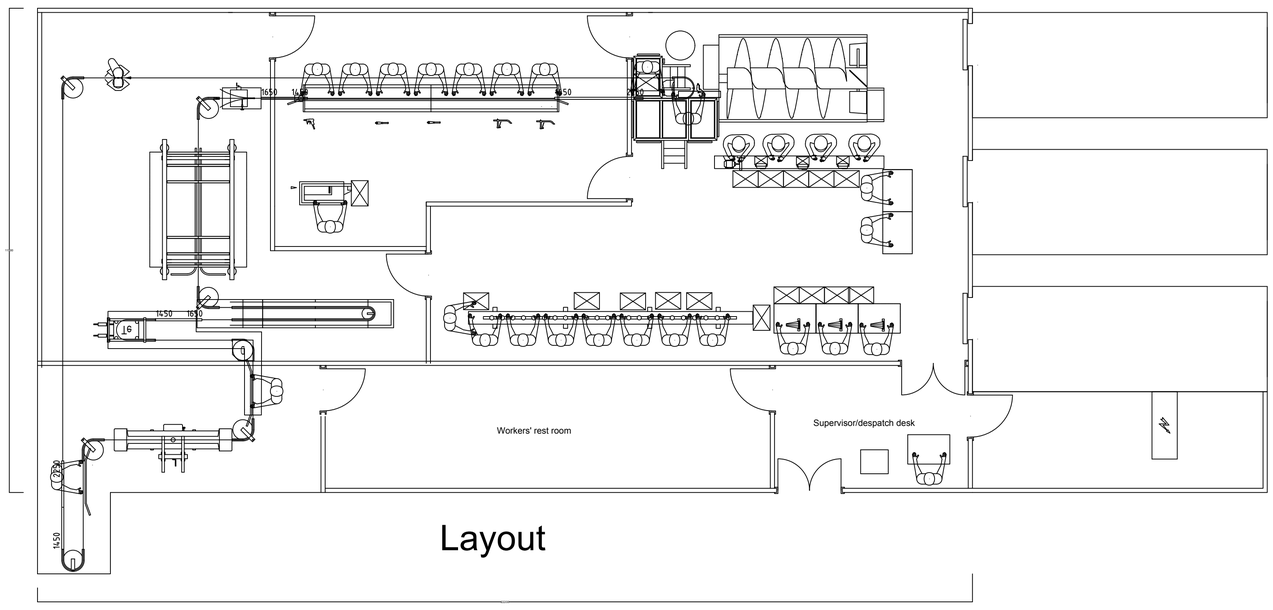
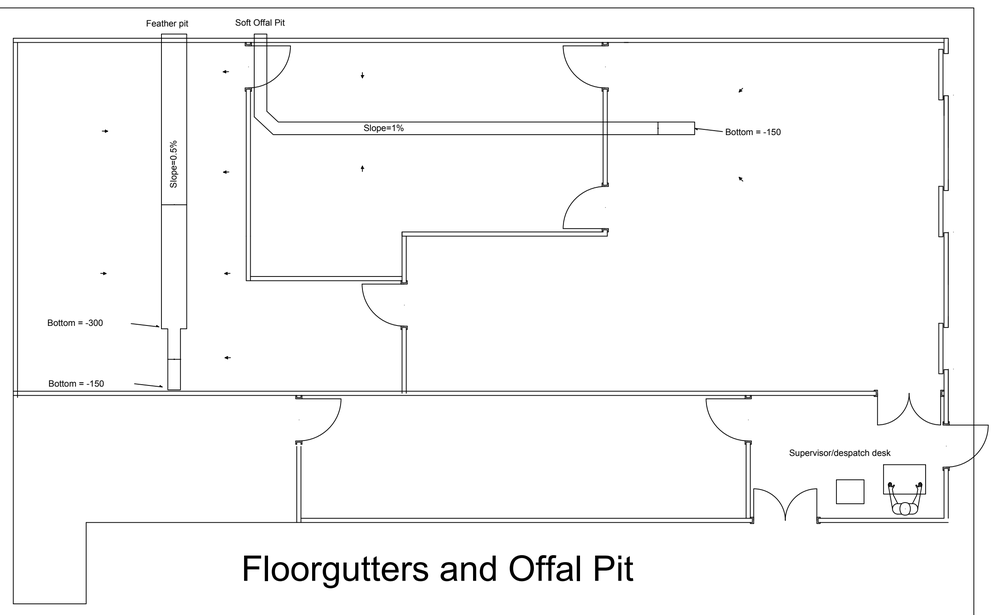
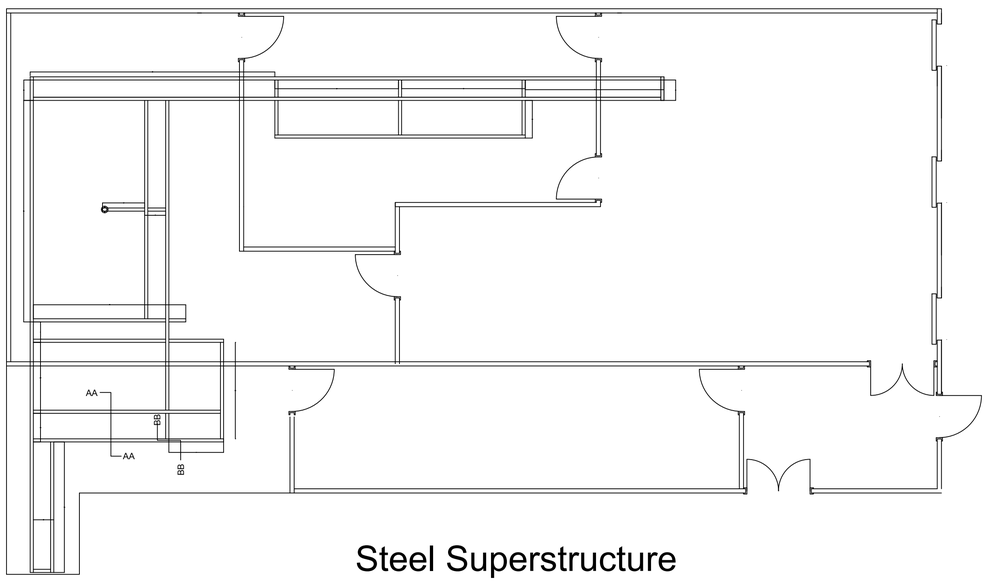
A



Layout



Floorgutters and Offal Pit



Steel Superstructure

DEFEATHERING CUM EVISCERATION DEPARTMENT

B01 - KILLING LINE L.= ± 68 m.
BLEEDING TIME: 180 sec.
SCALDING TIME: 120 sec.
B02 - CHAIN LUBRICATOR
B03 - HANGING POINT
B04 - WATERBATH STUNNER
B05 - KILLER - MANUAL
B06 - BLEEDING TROUGH
B07 - JETSTREAM SCALDER
B08 - PLUCKER JM32
B09 - SINGLE HEAD PULLER
B10 - EVISCERATION TROUGH (Local Supply)
B11 - VENT DRILL
B12 - EVISCERATION FORK
B13 - LUNG GUN
B14 - GIZZARD CONTROL TABLE (SINGLE)
B15 - HOCK CUTTING PLATFORM (Local Supply)
B16 - PNEUMATIC SHEARS FOR HOCK CUTTING
B17 - MANUAL HOCK REMOVAL
B18 - SHACKLE WASHER
B19 - CONTROL PANEL (Local Supply)

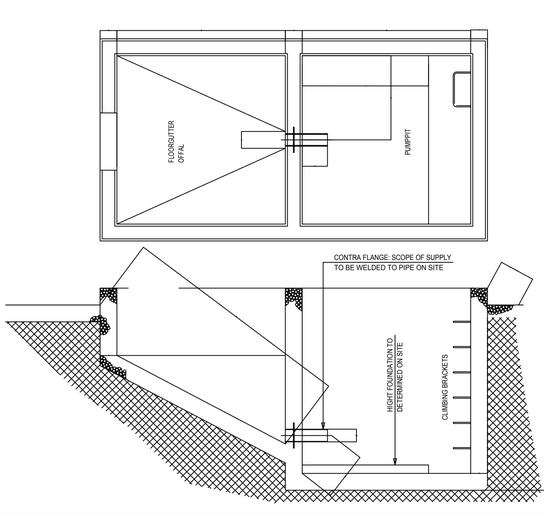
CHILLING DEPARTMENT
D01 - SCREW CHILLER 2.1M DIA, 3.0M
D02 - CONTROL PANEL (Local Supply)

PORTIONING/PACKING DEPARTMENT
F01 - CONE DEBONER 6.7 M
F02 - 1XDISC CUTTER (Local Supply)
F03 - 3XWEIGHING AND TRAY PACKING (Local Supply)
F04 - 3XBAGGING CONE
F05 - HOCK CLEANING & PACKING
F06 - FLOOR MOUNTED WEIGHING PLATFORM (Local Supply)
F07 - CONTROL PANEL (local supply)
F08 - 2XIMPULSE SEALERSFOR BAGS

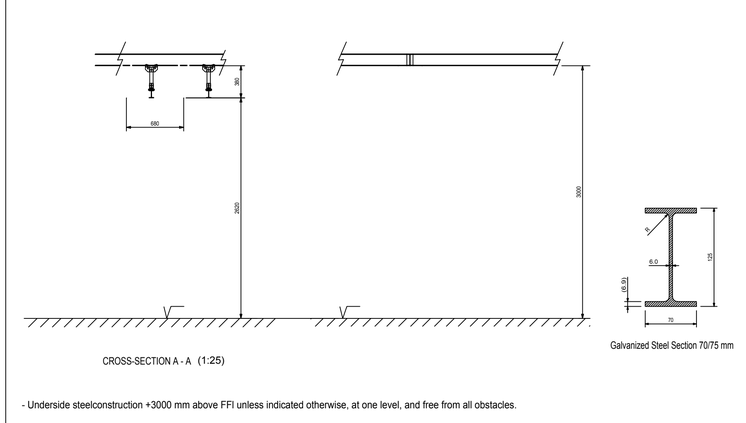
OTHER
R01 - LAST VOYAGE REEFER USED AS CHILL STORE X3

Inset 1 Legend

CROSS-SECTION OF FLOORGUTTER (1:10)



Inset 4 Details of floorgutter and offal pit



CROSS-SECTION A - A (1:25)

Galvanized Steel Section 70/75 mm

- Underside steelconstruction +3000 mm above FFl unless indicated otherwise, at one level, and free from all obstacles.

Inset 2 Elevation of steel superstructure, columns

	Live bird arrival and hanging verandah (Ambient temp, fogging or axial fans as reqd)	Defeathering evisc, waterchill (Ambient temp, cold air forced flow from packing area)	Packing, portioning areas (+12deg C, exchange using dry air under pressure)	Secondary packing, Ante room, despatch bay (+8degC.)	Blast freezer or spiral freezer room (-35 degC)	Laboratory(Ambient temp, no air exchange with process area)	Workers' rest rooms, canteen etc (Ambient temp.)	Offal pit room (Ambient temp, Ventilation)	Rendering building (including offal draining) (Ambient temp, Ventilation)	Central refrig comp room, air compressor, Vaccom pump (Ambient temp, Ventilation)	Electrical sub-station and DG set room (Ambient temp.)	Effluent treatment (civil construction part) (Ambient temp.)	Raw water treatment shed (Ambient temp.)
WALLS (RCCcolumns with brick walls)		*				*		*	*	*	*		
WALLS (PU sandwich panels, outer protection)			*	*	*								
WALLS (Glazed tiles up to min 1850mm)		*				*	*	*	*				
WALLS (if brickwork, enamel paint to ceiling)		*				*							
ROOF (RCC slab cast on beams)		*				*		* Rendering vendor			*		
ROOF (GI sheeting over steel trusses)	*		*	*	*					*		*	*
CEILING (Insulated false ceiling)			*	*	*								
CEILING (Painted with enamel paint)		*				*							
CEILING (Add load bearing unless RCC slab)		*	For AHU only	For AHU only				*					
CEILING (Ventilation or forced air entry)	*	*	*	*		*	*		*	*			
FLOOR (Granolithic)	*				*				*	*	*		*
FLOOR (Kota stone or vitreous antiskid)		*	*	*		*		*					
FLOOR (Thermal insulation, anti-frost-heave)					*								
FLOOR (Thermal insulation)			*										
FLOOR (Floorgutters with steel grill covers)	*	*	*	*									
FLOOR (Footbath, wash sink at entry points)		*		*		*			*				
DOOR (Washable with shatterproof glazing)		*	*	*	*								
DOOR (Insulated with shatterproof glazing)			*										
DOOR (Outer, dock type with leveller, shelter)				*									
DOOR (Emergency exits with signage)		*	*				*			*	*		
DOOR (Opening outwards)										*	*		
DOOR (Any appropriate type)	*						*	*	*				
WINDOW (Washable, shatterproof glazing)		*	*			*							
WINDOW (Inclined sill with glazing)		*	*						*				
WINDOW (With double glazing)			*										
WINDOW (Wood/steel/aluminium with glazing)						*	*				*		
WINDOW (Wire gauze. No glazing)	*								*				
FOUNDATION (RCC)									Rendering vendor		Ask vendors	*	Ask vendors
LIGHTING (Splashproof, shatterproof fixtures)		*	*	*	*								
LIGHTING (Blue, shatterproof fixtures)													
HEIGHT (Internal height in mm)		Minimum 4500	Minimum 6000	Refrigeration vendor	Refrigeration vendor				Rendering vendor	Refrigeration vendor	Minimum 4500		
PLINTH (1200 mm above internal roads)		*	*	*	*						*		
CONSTRUCTION (Varminproof)		*	*	*	*	*	*	*	*		*		

INSET 3 – Construction features. Aptec approves of hybrid construction – brickwalls and RCC slabs over arrival, killing, defeathering, evisceration, water chilling areas and PU sandwich panels for cold areas. Irresponsible and unnecessary use of PU panels is not approved because of their tendency to fire hazards in association with ammonia refrigeration systems

The simplest and most compact LEAP Plant design. It is based on temporary construction so that the plant can be relocated when local market matures. The construction is on 275 SqM plinth, with camlock panel walls and GI coated sheet steel roof mounted on trusses, and with a false ceiling.
Three 20 foot last voyage reefers are used as maturation and chill store - One in standby mode and two in regular use There is no provision for freezing. The halal man faces West
Rendering, wastewater treatment scope to be determined depending on location features and scope of local/state/central government support/subsidy/facilitation on these subjects.

APTEC LEAP Design Option 1

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Revisions:	Capacity:	1300BPH	Title: General Arrangement of LEAP Plant of 1300 BPH Capacity
	Drawn by:	Alok Raj	
	Scale:	1:100	
	Date created:	28-10-11	
Rev 1 AR, 23/8/22 Modified number of packing machines	Date last saved:		Drawing no.: GA 20.04.01 form A1P
	Material:		

Prepared using APTEC's CAD system.

B