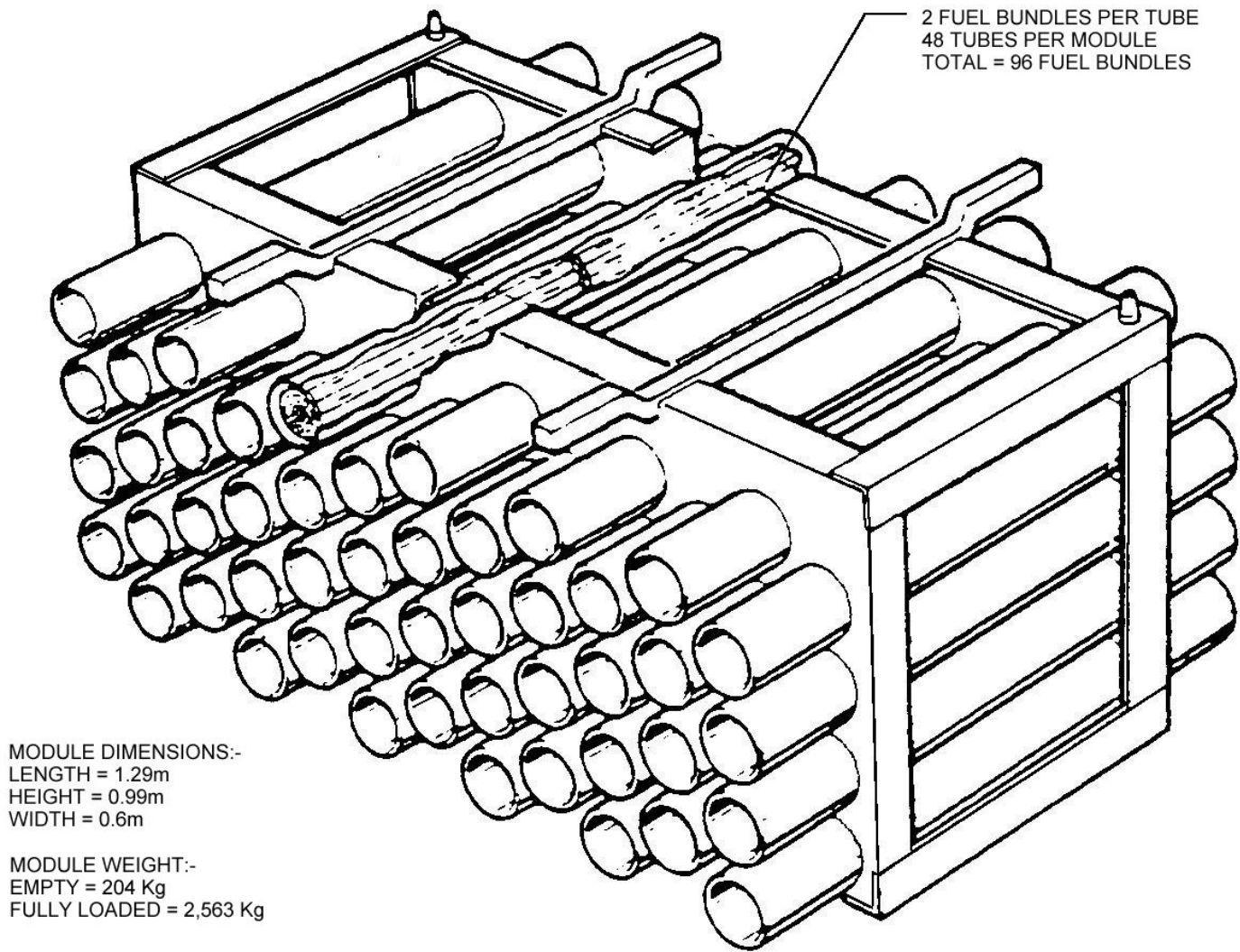


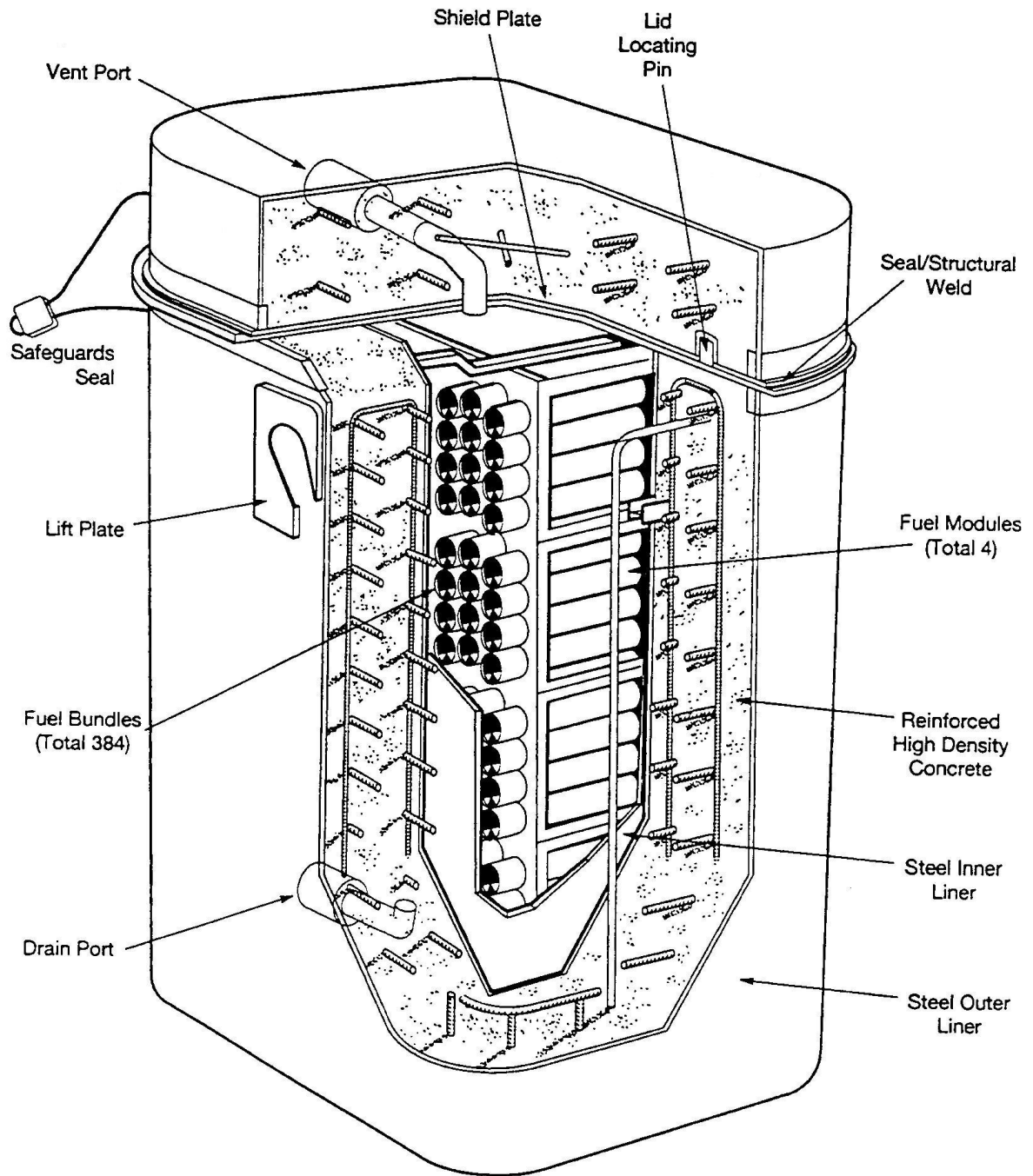
Figure 1 – CANDU Fuel Bundle



MODULE DIMENSIONS:-
LENGTH = 1.29m
HEIGHT = 0.99m
WIDTH = 0.6m

MODULE WEIGHT:-
EMPTY = 204 Kg
FULLY LOADED = 2,563 Kg

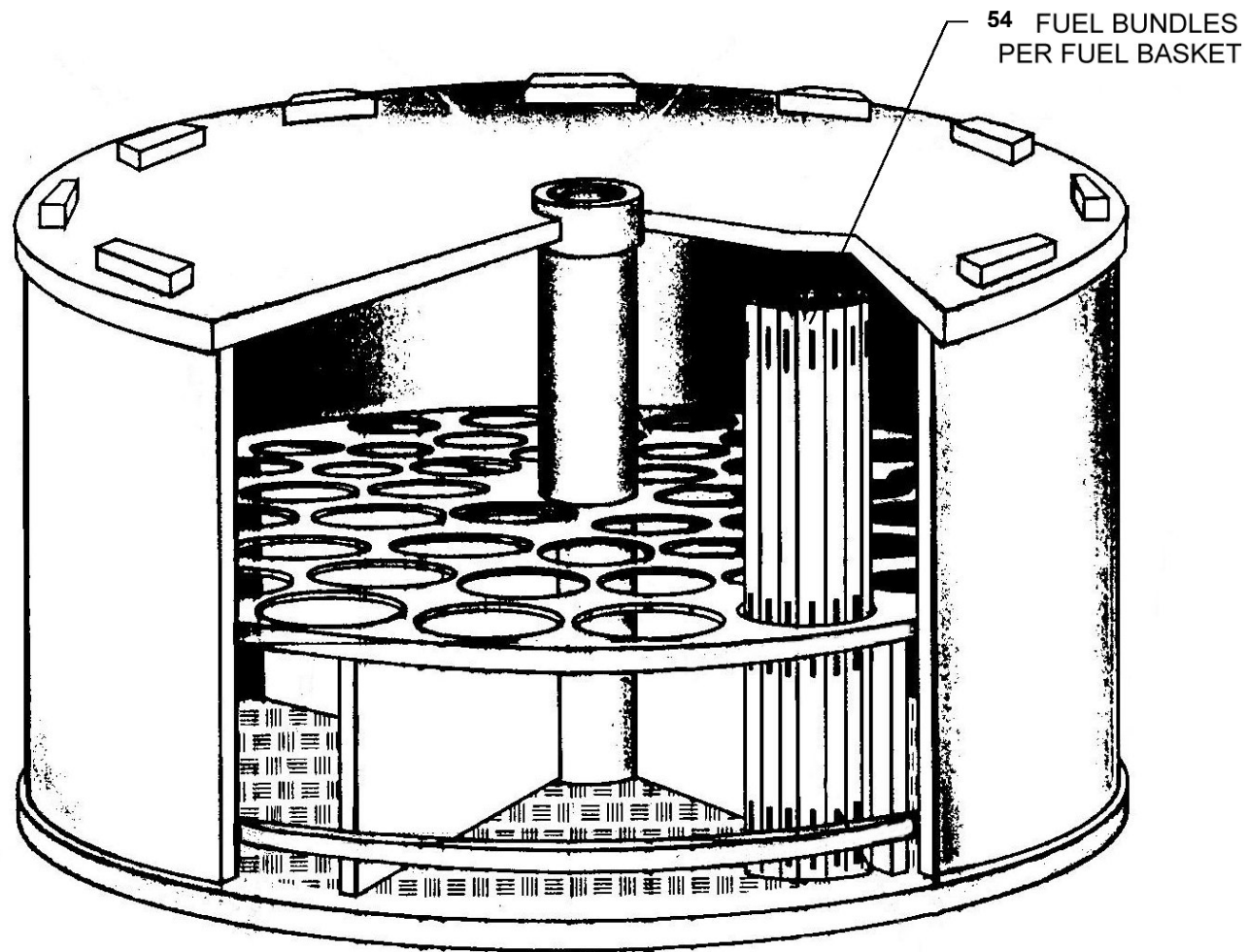
Figure 2 – Fuel Module



MODULE STORAGE CASK DIMENSIONS:-
 WIDTH = 2.120m
 DEPTH = 2.419m
 HEIGHT - 3.550m

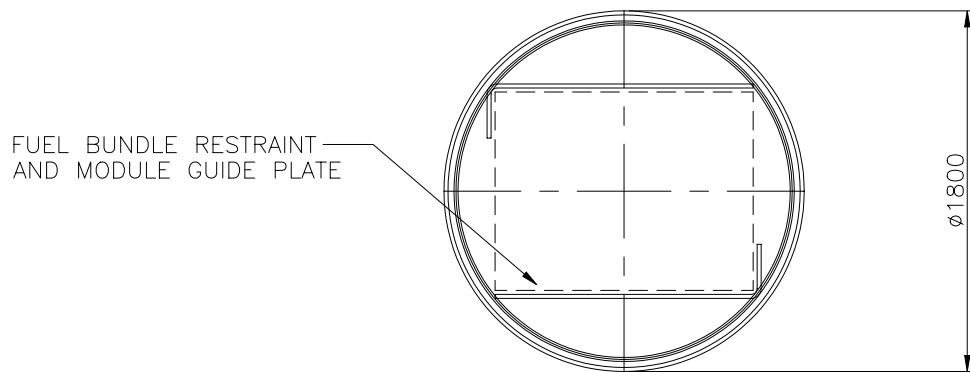
MODULE STORAGE CASK WEIGHTS:-
 EMPTY = 60,000 Kg
 FULLY LOADED = 70,000 Kg
 (384 FUEL BUNDLES)

Figure 3
Module Storage Cask



FUEL BASKET WEIGHTS:-
EMPTY = 450 Kg
FULLY LOADED = 1924 Kg

Figure 4 – Fuel Basket



PLAN VIEW WITH CLOSURE PLATE
REMOVED FOR CLARITY

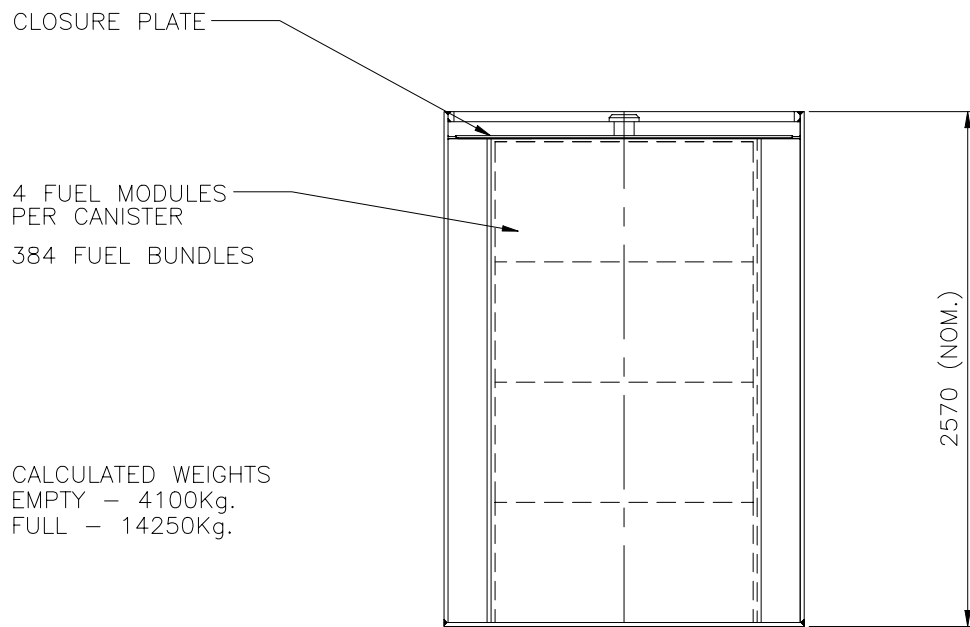


Figure 5
Module Canister

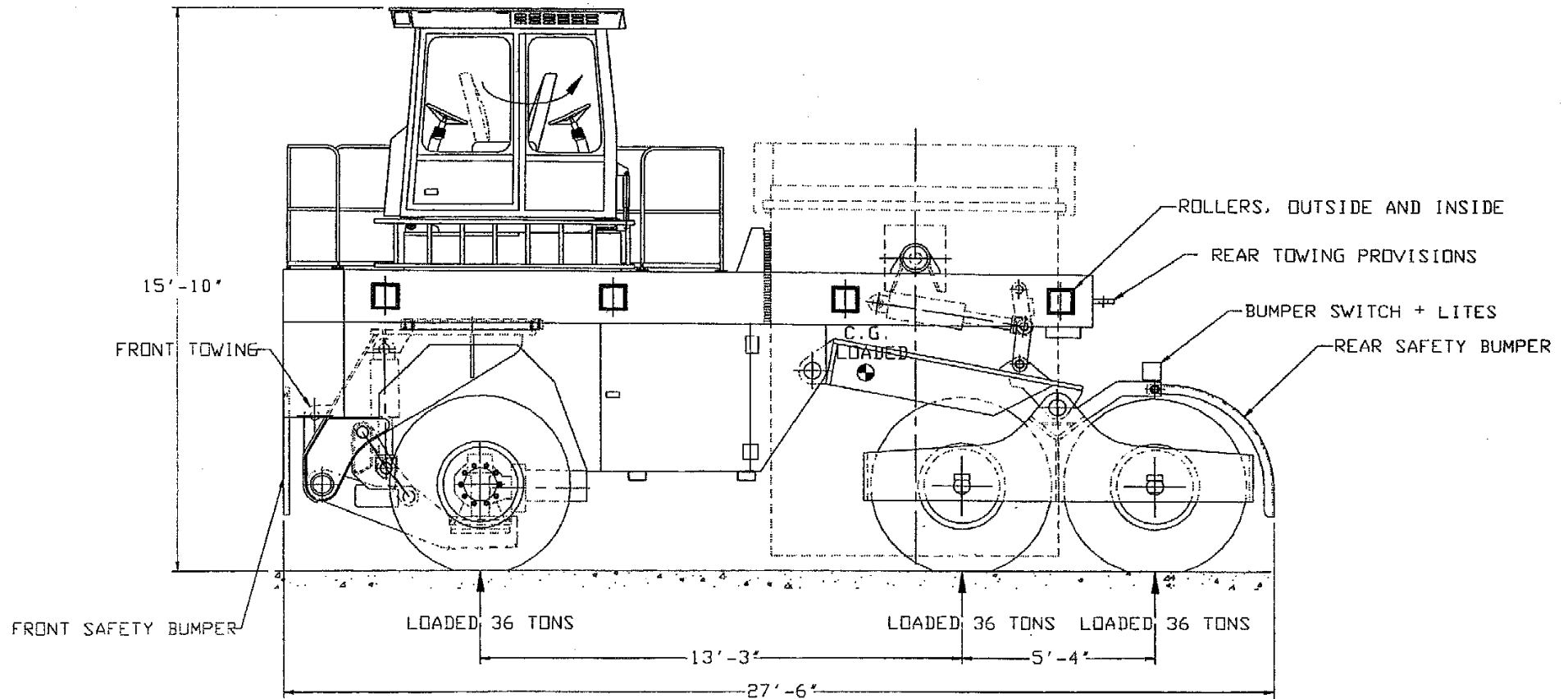
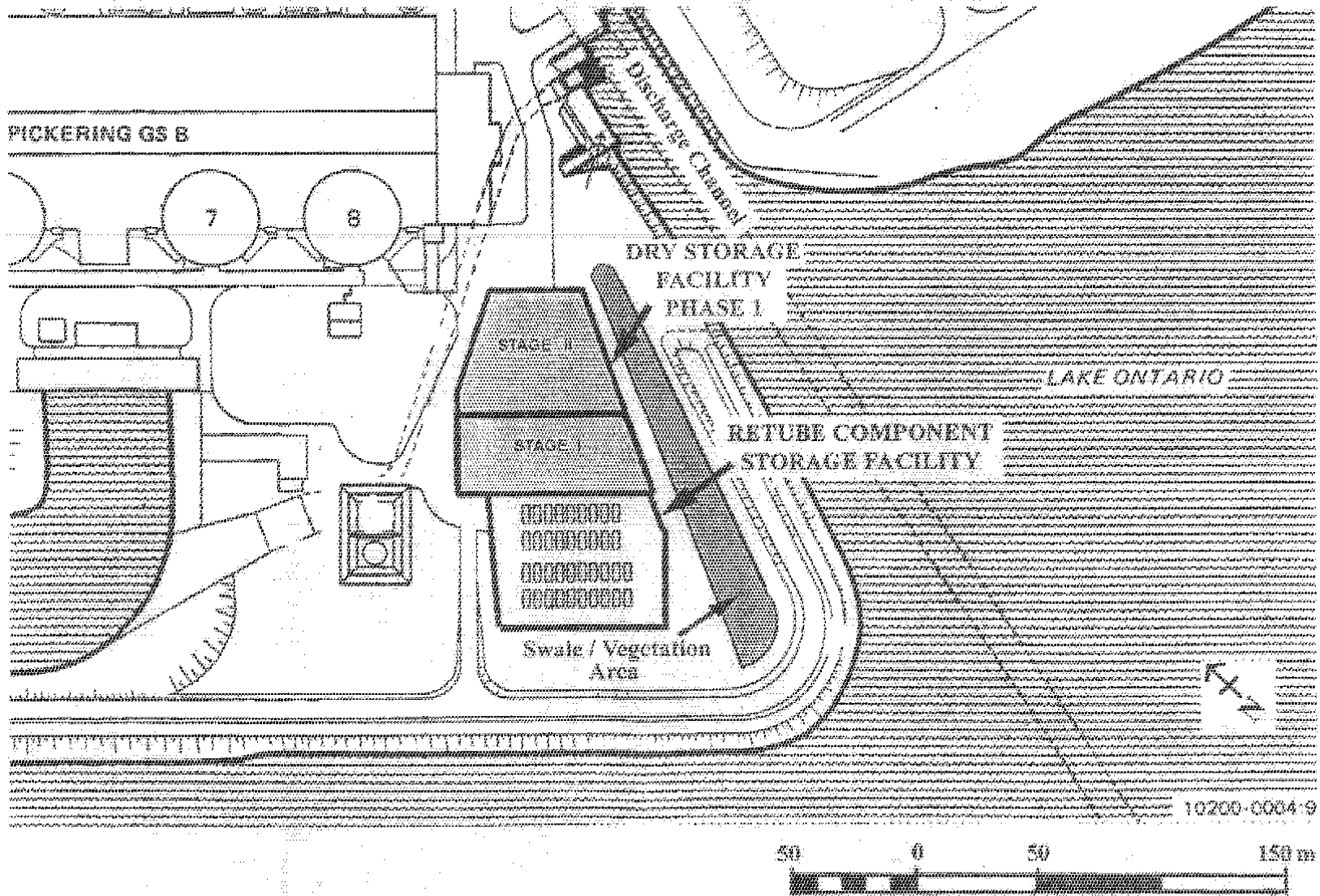


Figure 6 – Typical Cask Transporter

Pickering Reactor Site - Plan

Figure 7



10200-0084-9





Figure 8. Pickering Site Overview.



Figure 9. Pickering Existing Cask Storage.

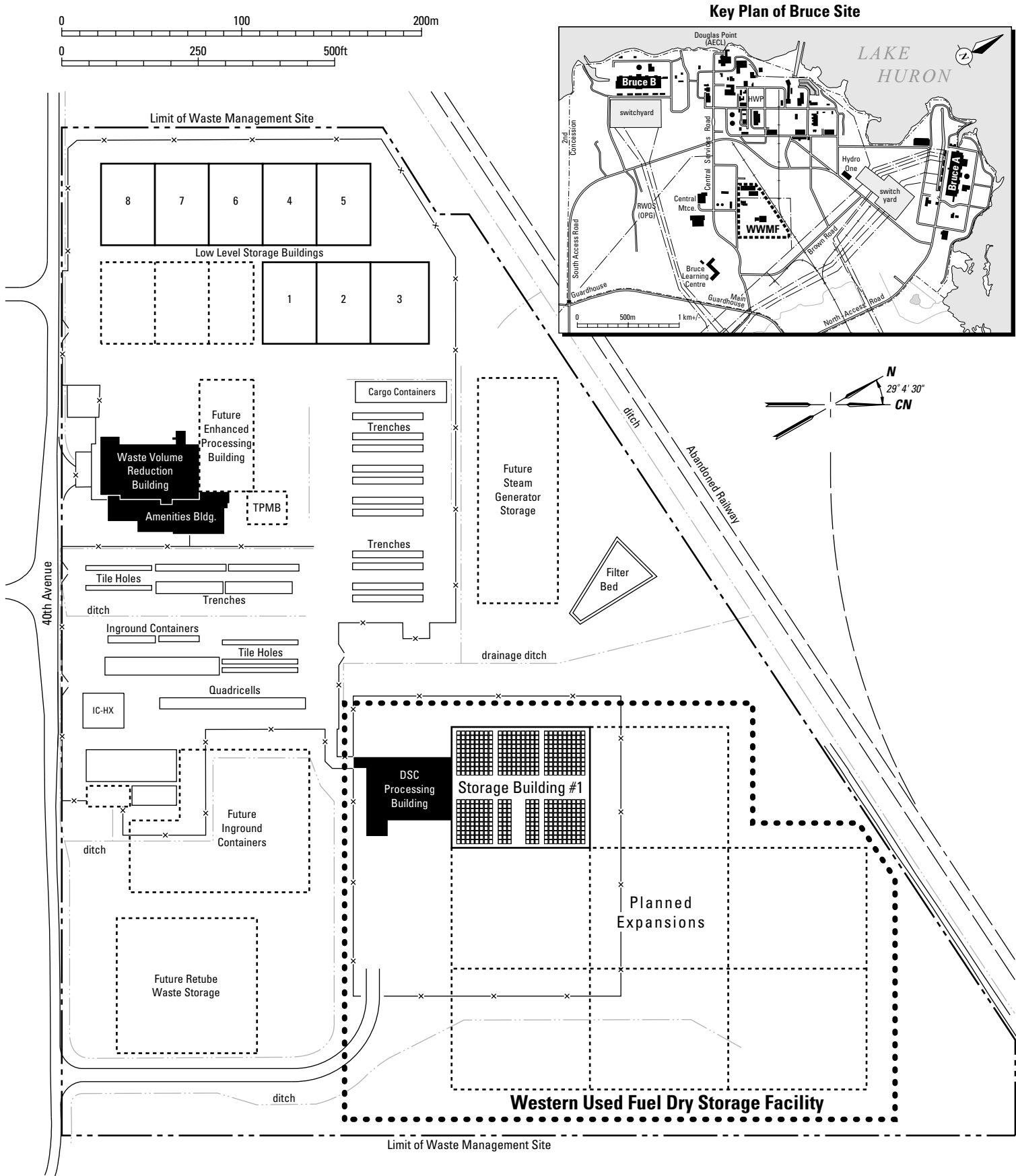


Figure 10
Western Waste Management Facility Showing Location of Existing and Planned Dry Storage Facilities

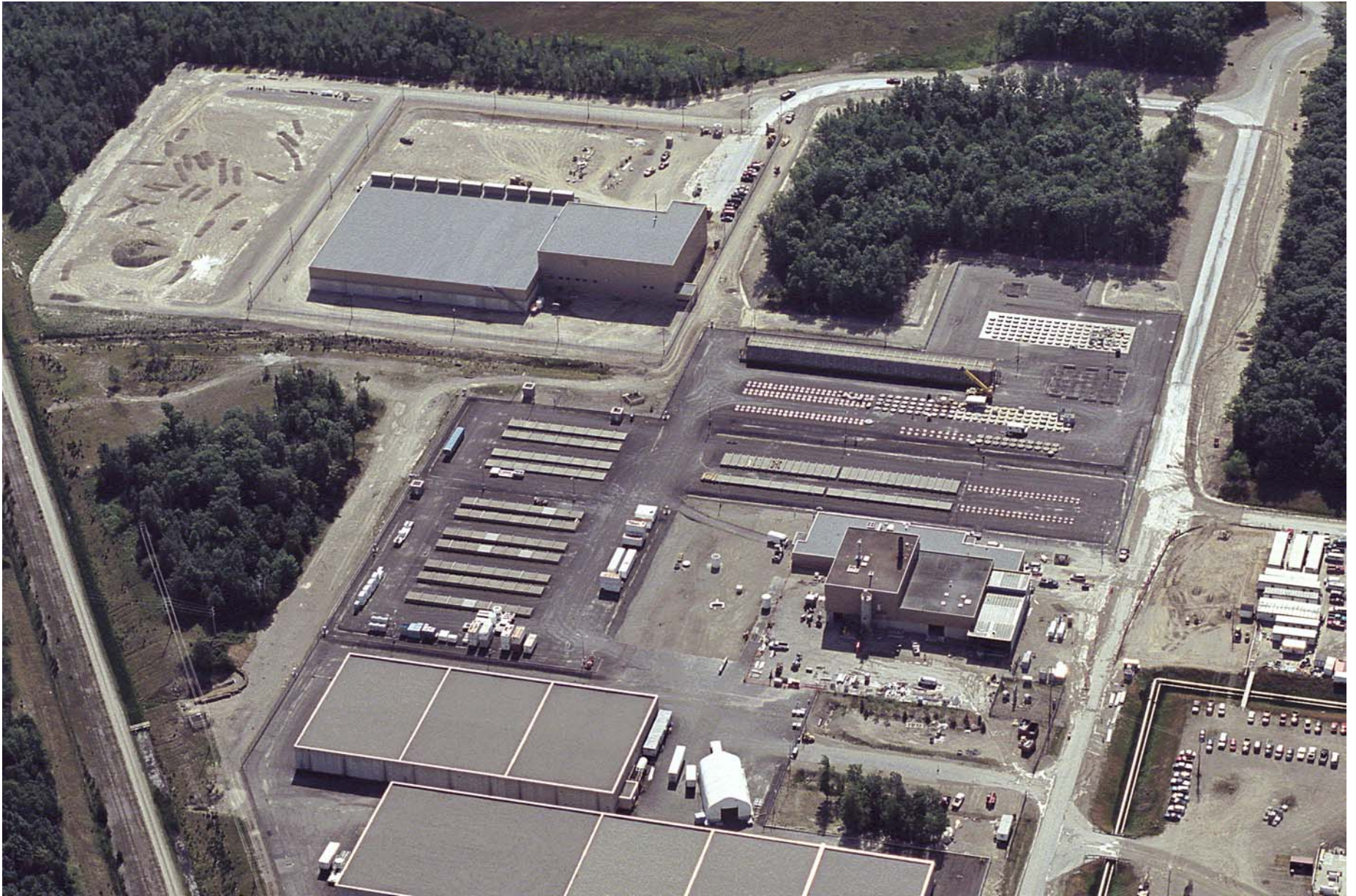


Figure 11. Western Used Fuel Dry Storage Facility Overview.

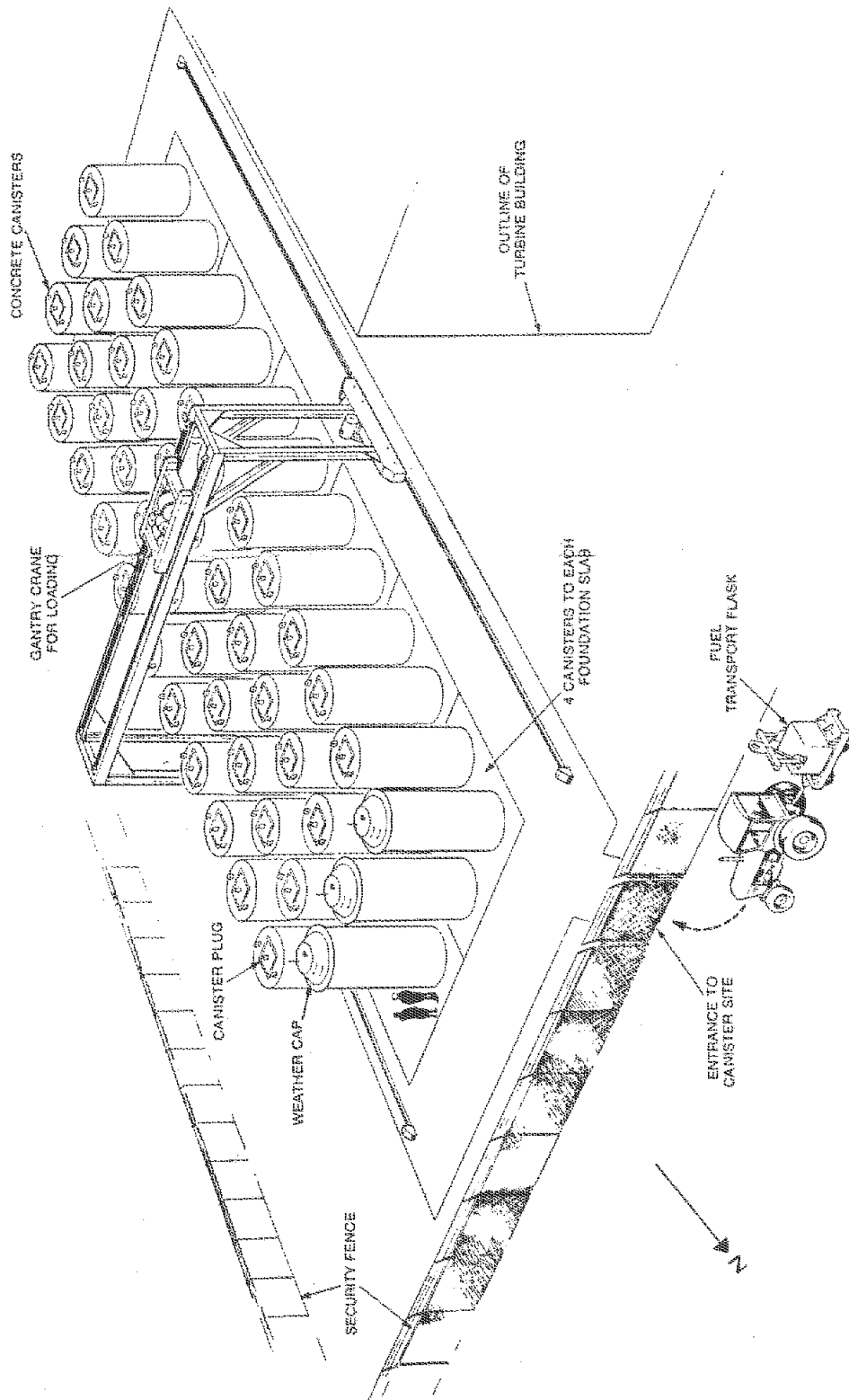


Figure 12
Douglas Point Storage Silos.

Figure 13. (page intentionally left blank)



Figure 14
Darlington Reactor Site showing location of proposed
Used Fuel Dry Storage Facility

FOR SECTION A-A SEE FIG. 16

NOTE- FIGURE SHOWS A TYPICAL 4 BUILDING STORAGE ARRANGEMENT. FOR INDIVIDUAL SITE REQUIREMENTS AND QUANTITY OF STORAGE BUILDINGS REFER TO RELEVANT SITE SPECIFIC FIGURES.

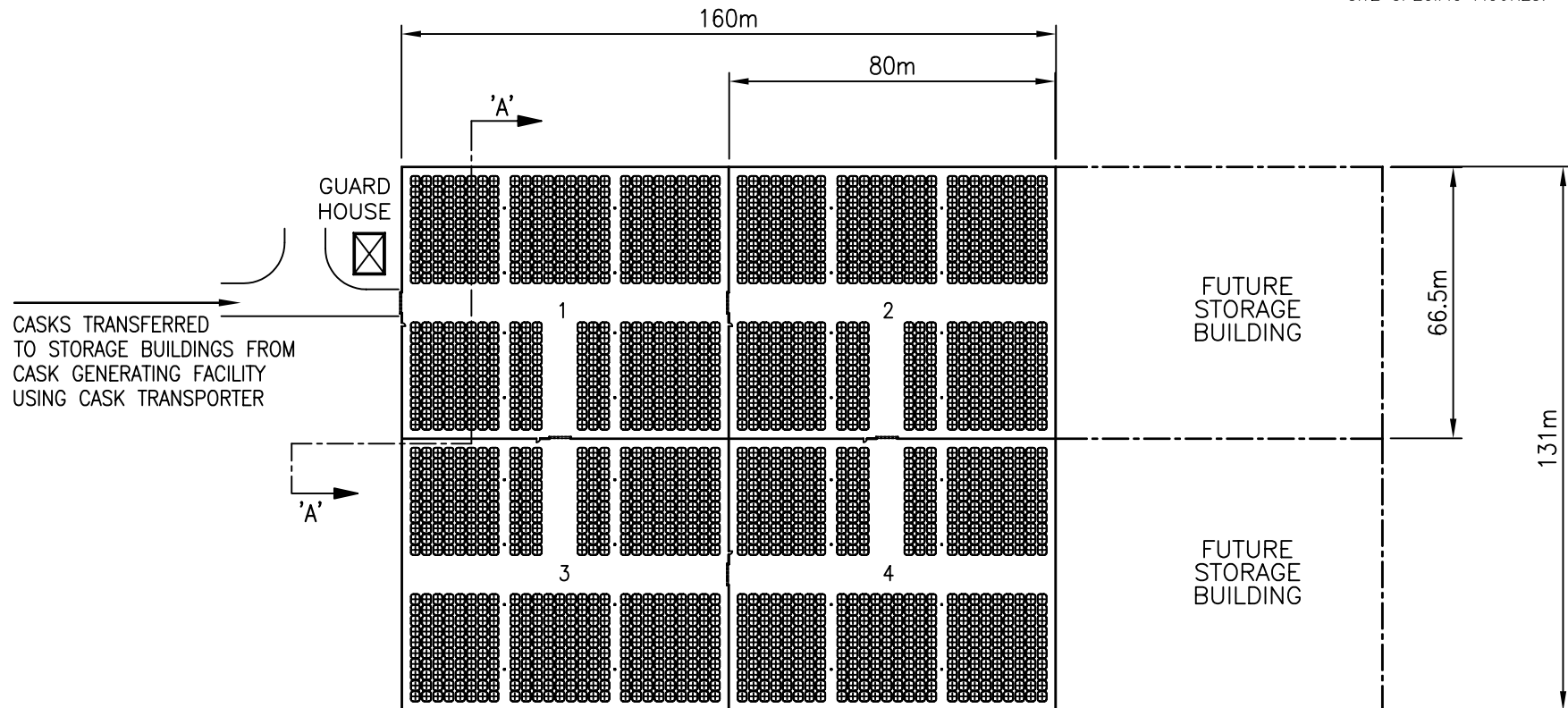
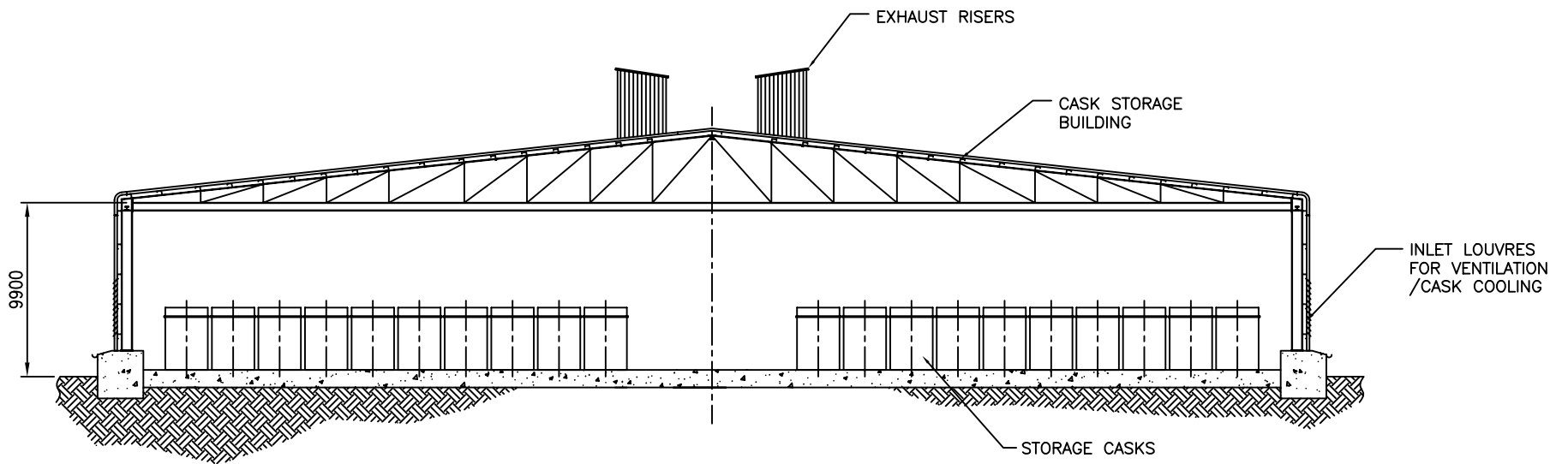


FIGURE 15
CASKS IN A STORAGE BUILDING
STORAGE COMPLEX
GENERIC PLAN



SECTION 'A-A'
SECTION THRU A SINGLE STORAGE BUILDING

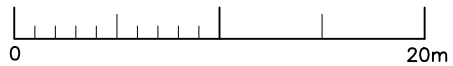


FIGURE 16
CASKS IN A STORAGE BUILDING
STORAGE COMPLEX
GENERIC SECTION

FOR SECTIONS SEE FIG. 18 & 19

NOTE— FIGURE SHOWS A TYPICAL
4 VAULT SMV STORAGE ARRANGEMENT.
FOR INDIVIDUAL SITE REQUIREMENTS
AND VAULT QUANTITY/ARRAY
CONFIGURATION REFER TO RELEVANT
SITE SPECIFIC FIGURES

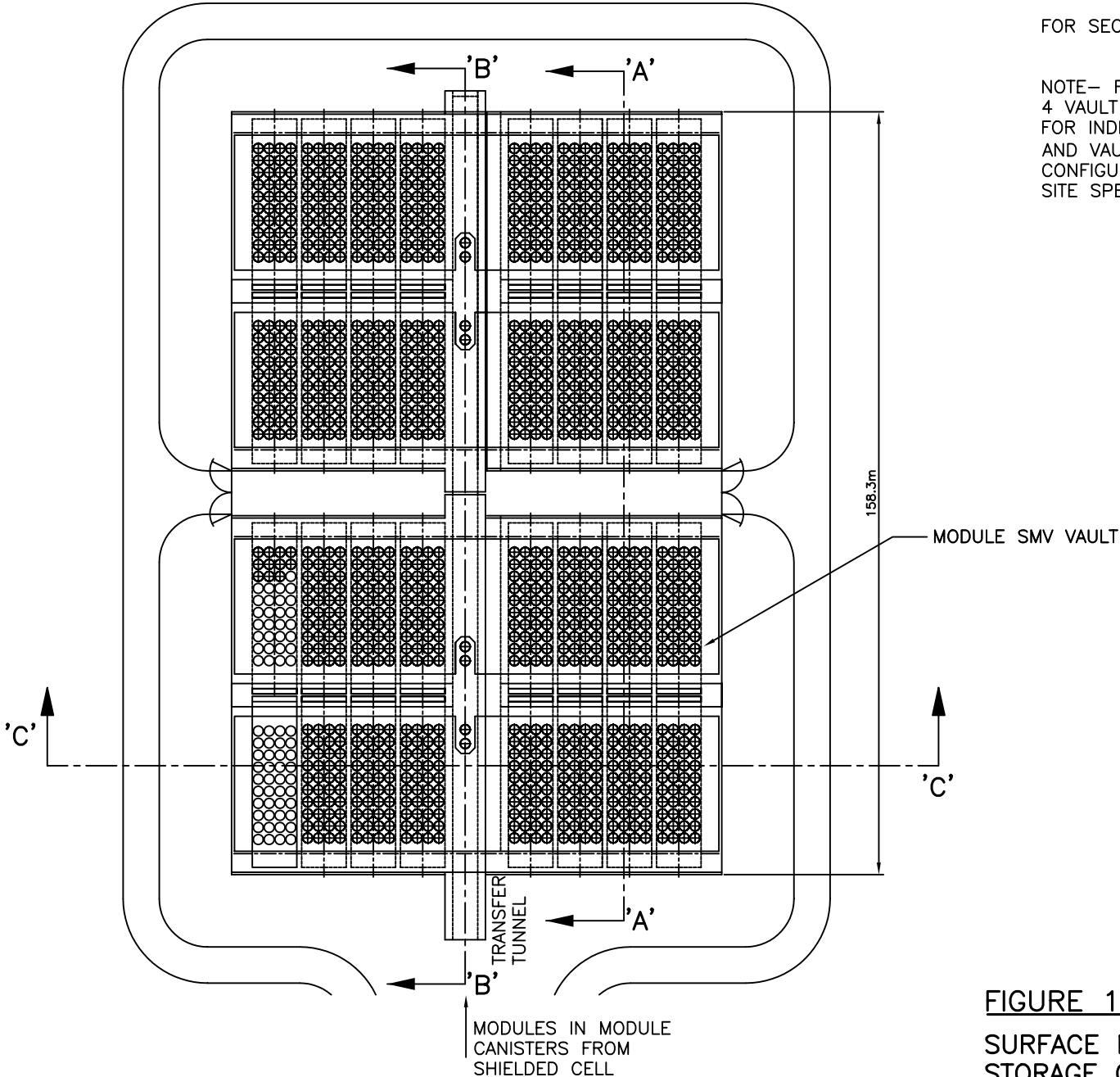
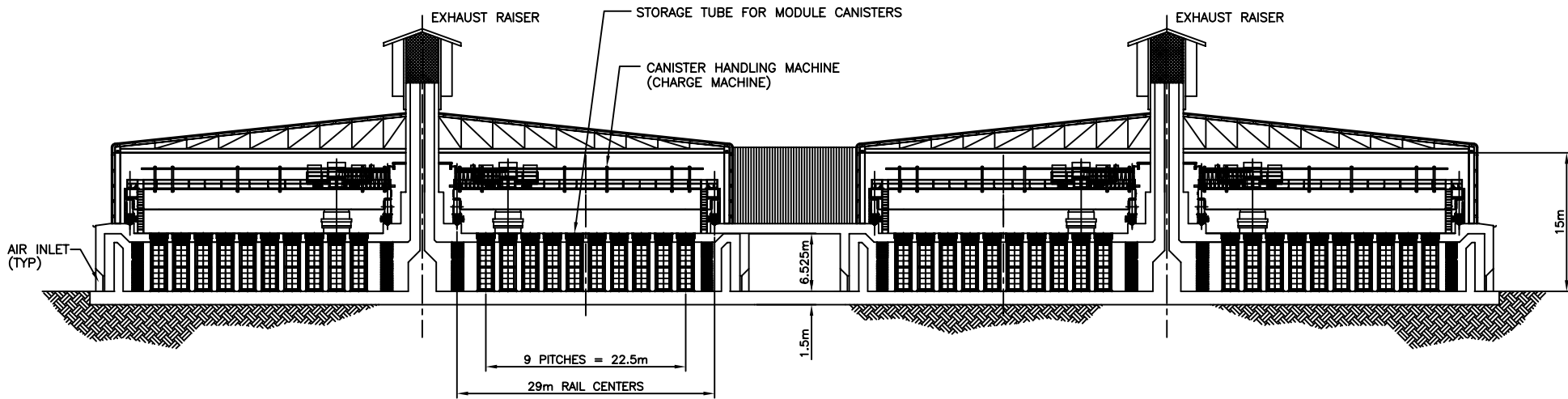
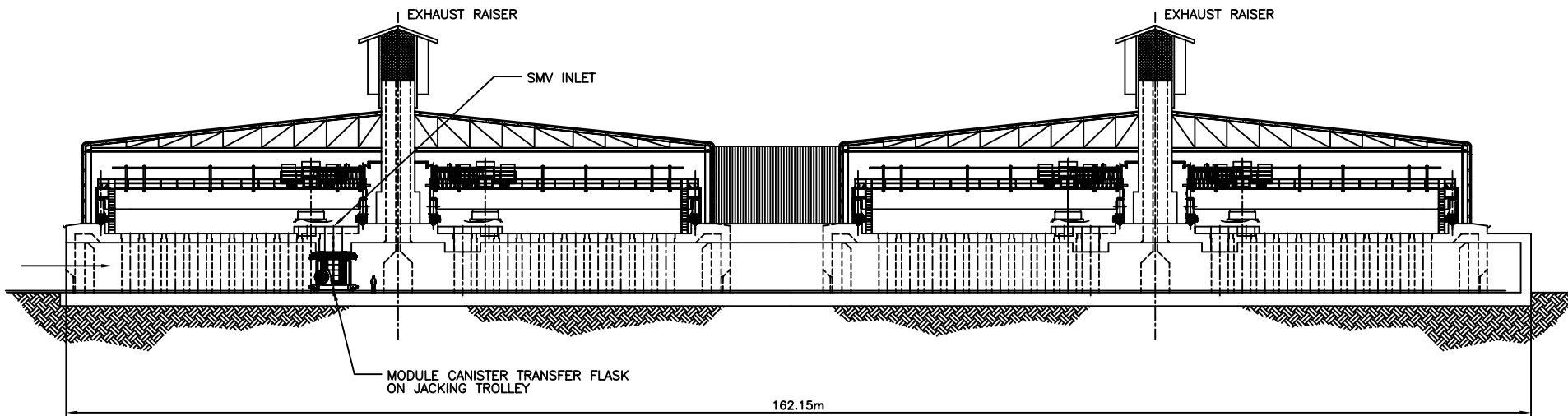


FIGURE 17
SURFACE MODULAR VAULT
STORAGE COMPLEX
GENERIC PLAN



SECTION 'A-A'
TYPICAL SECTION THRU SMV



SECTION 'B-B'
SECTION THRU TUNNEL

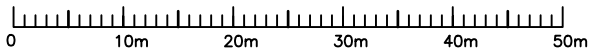
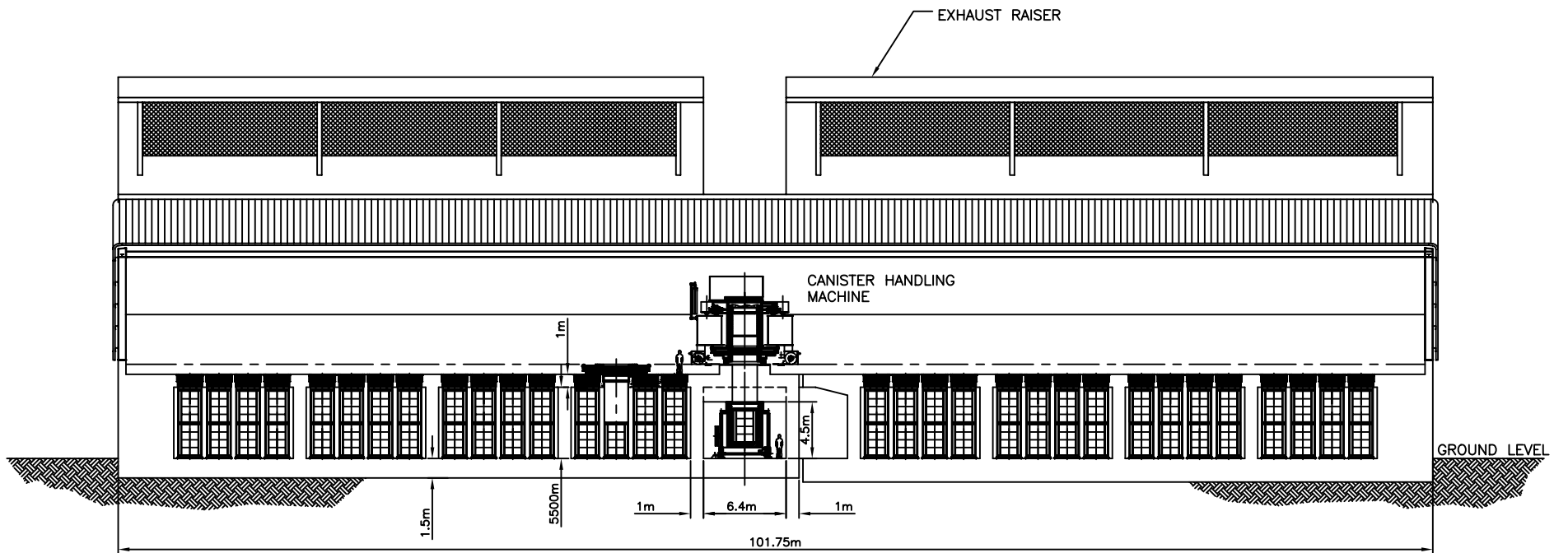


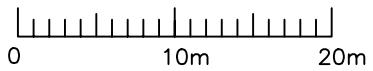
FIGURE 18

SURFACE MODULAR VAULT
STORAGE COMPLEX
GENERIC SECTIONS



SECTION 'C-C'
TYPICAL SECTION THRU SMV VAULTS

FIGURE 19
SURFACE MODULAR VAULT
STORAGE COMPLEX
GENERIC SECTION



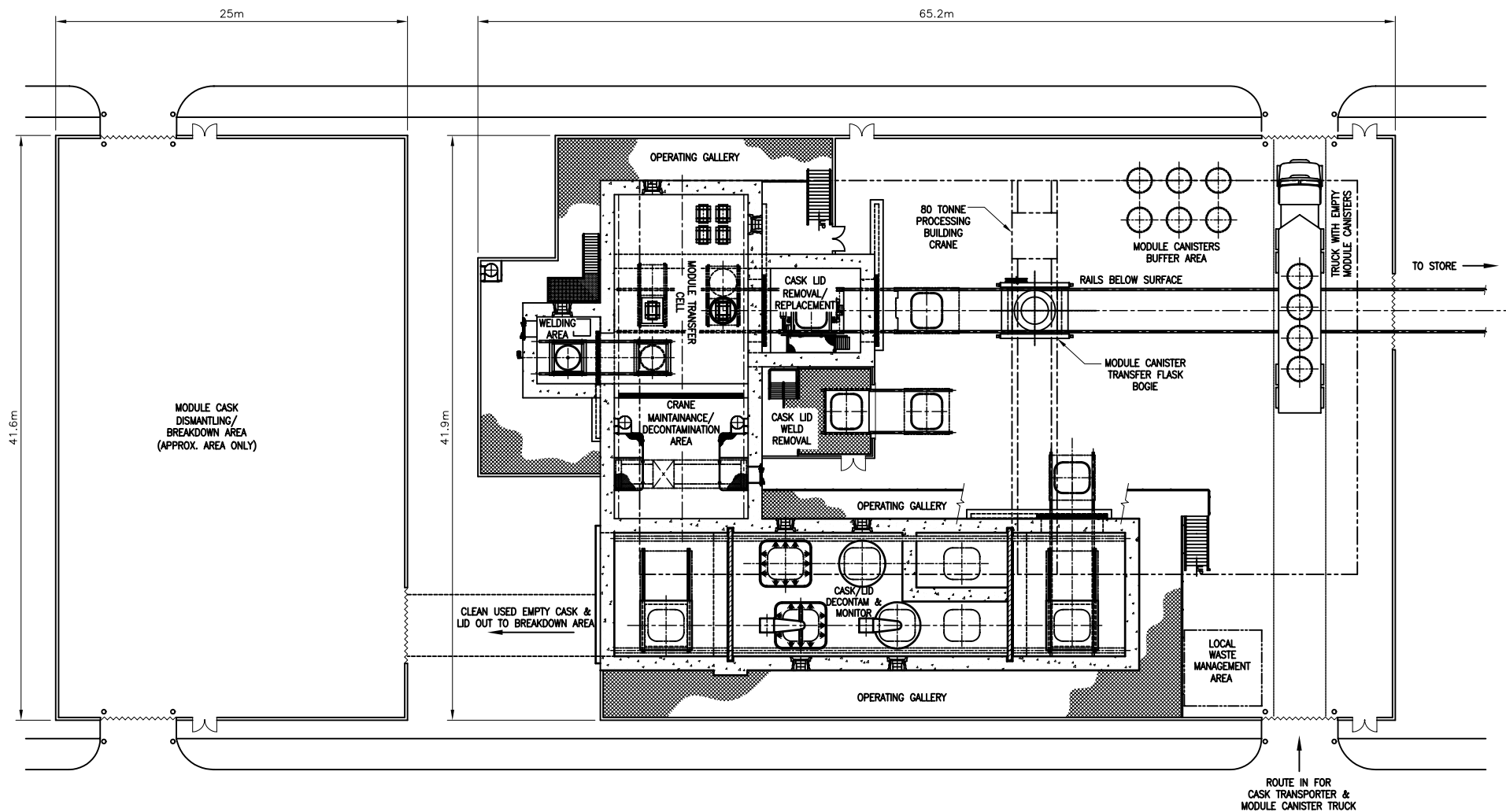


FIGURE 20
 PROCESSING BUILDING
 SURFACE MODULAR VAULT
 GENERIC PLAN VIEW

FOR SECTIONS SEE FIG 22 & 23

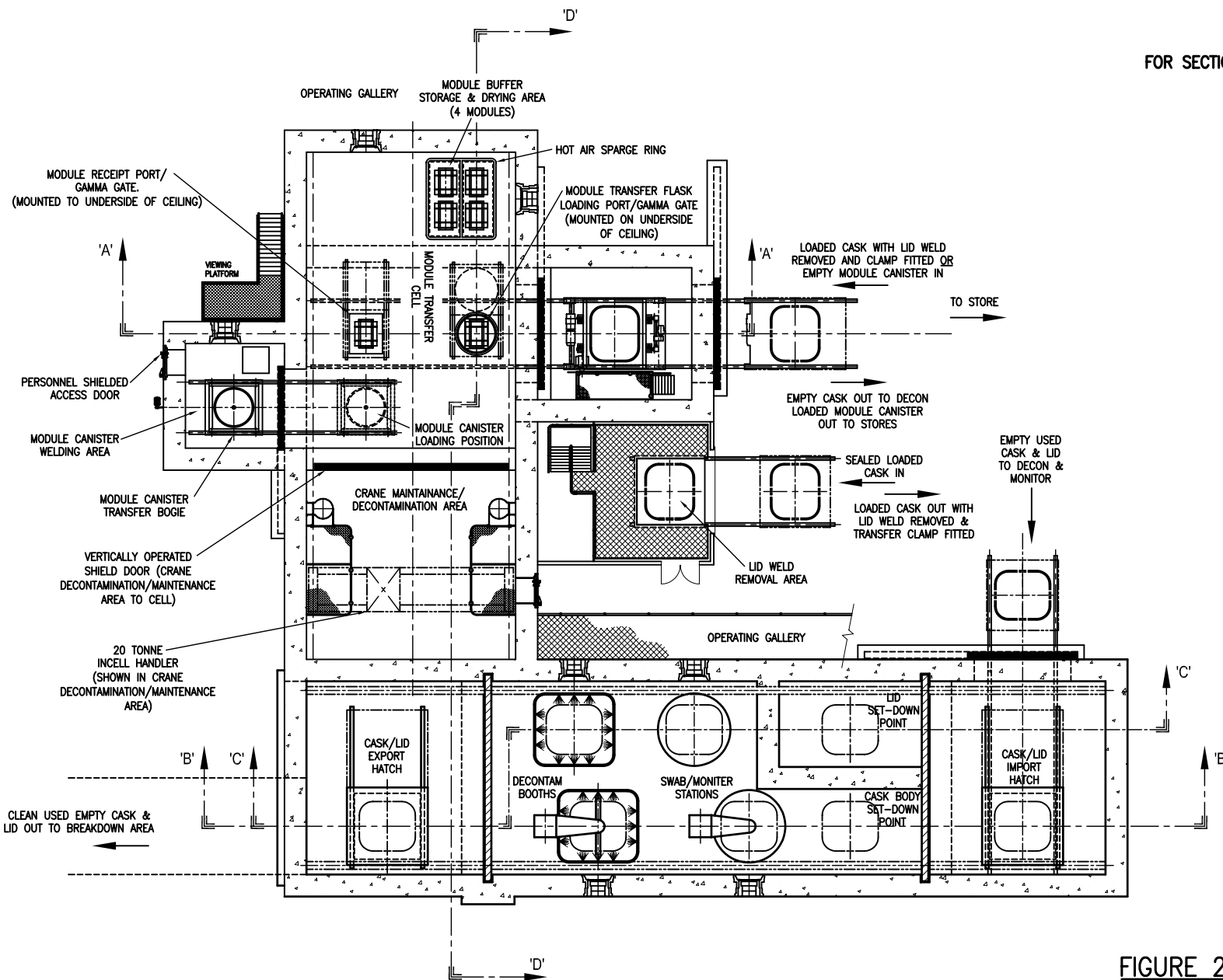
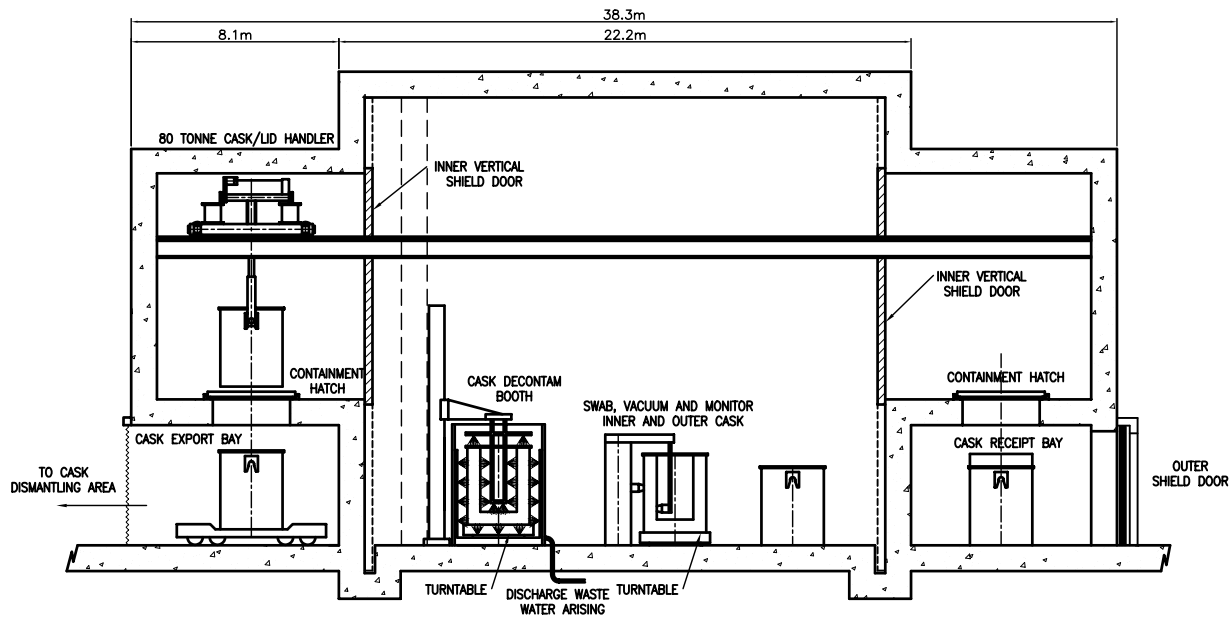
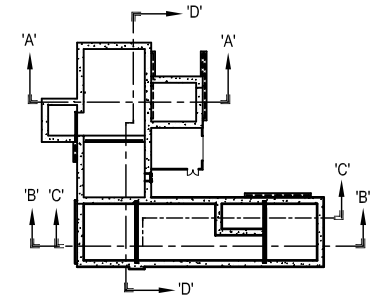


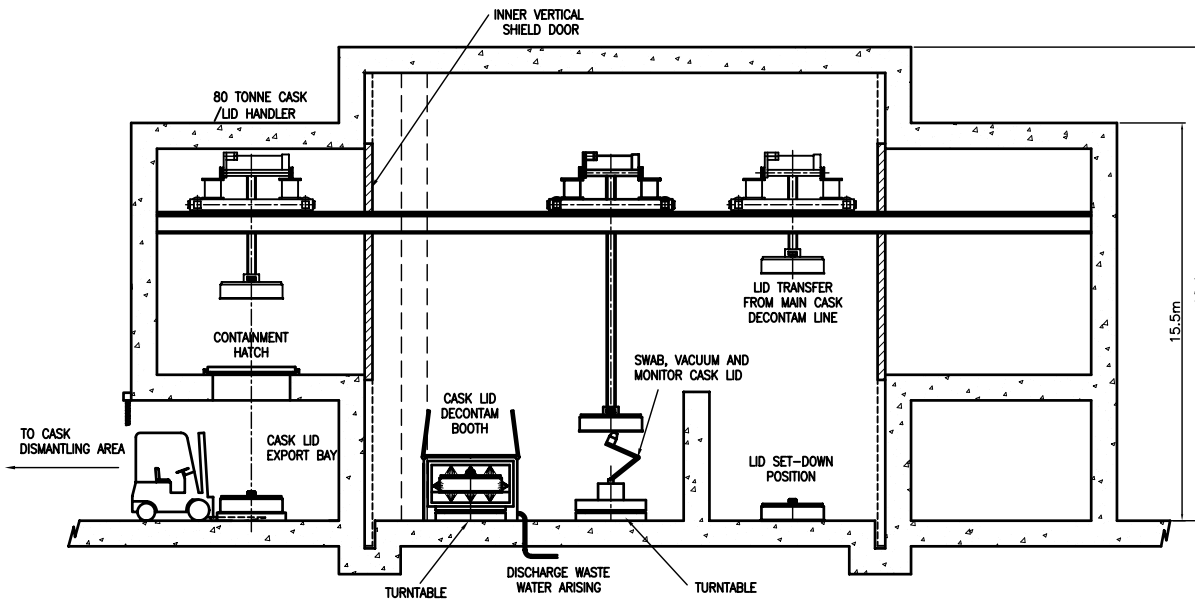
FIGURE 21
SHIELDED CELL
SURFACE MODULAR VAULT
GENERIC PLAN



SECTION 'B-B'
FROM FIGURE 21



KEY PLAN



SECTION 'C-C'
FROM FIGURE 21

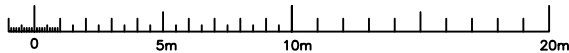
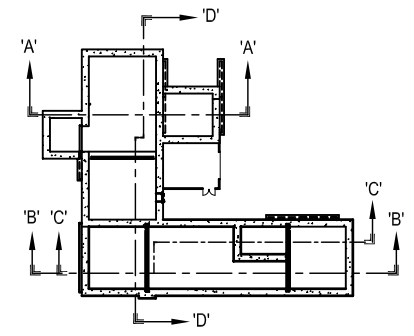
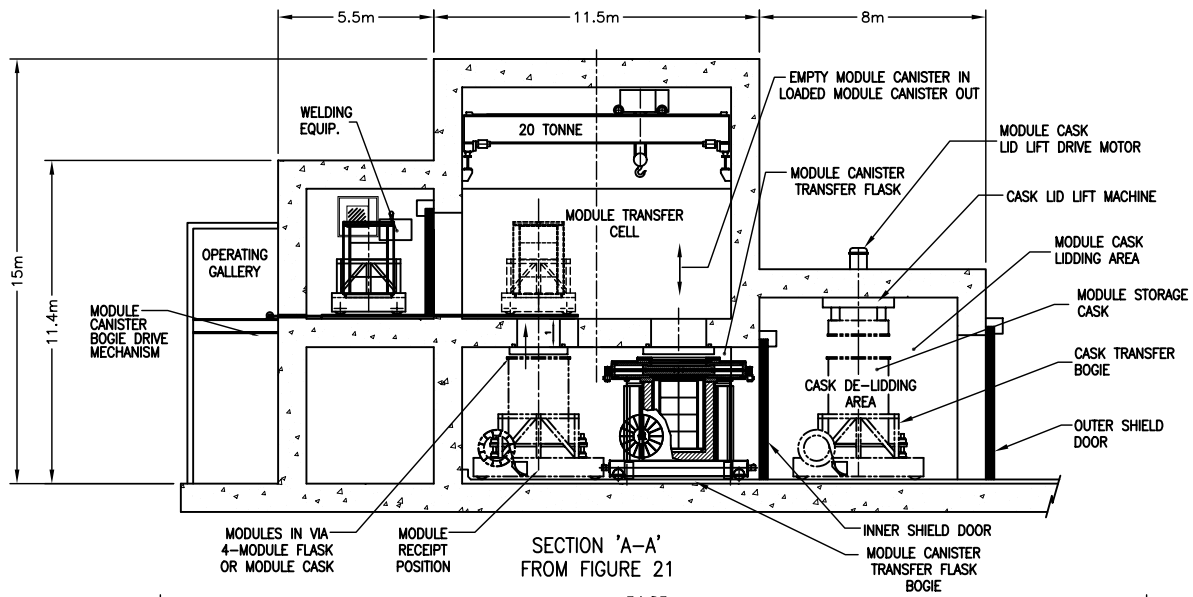
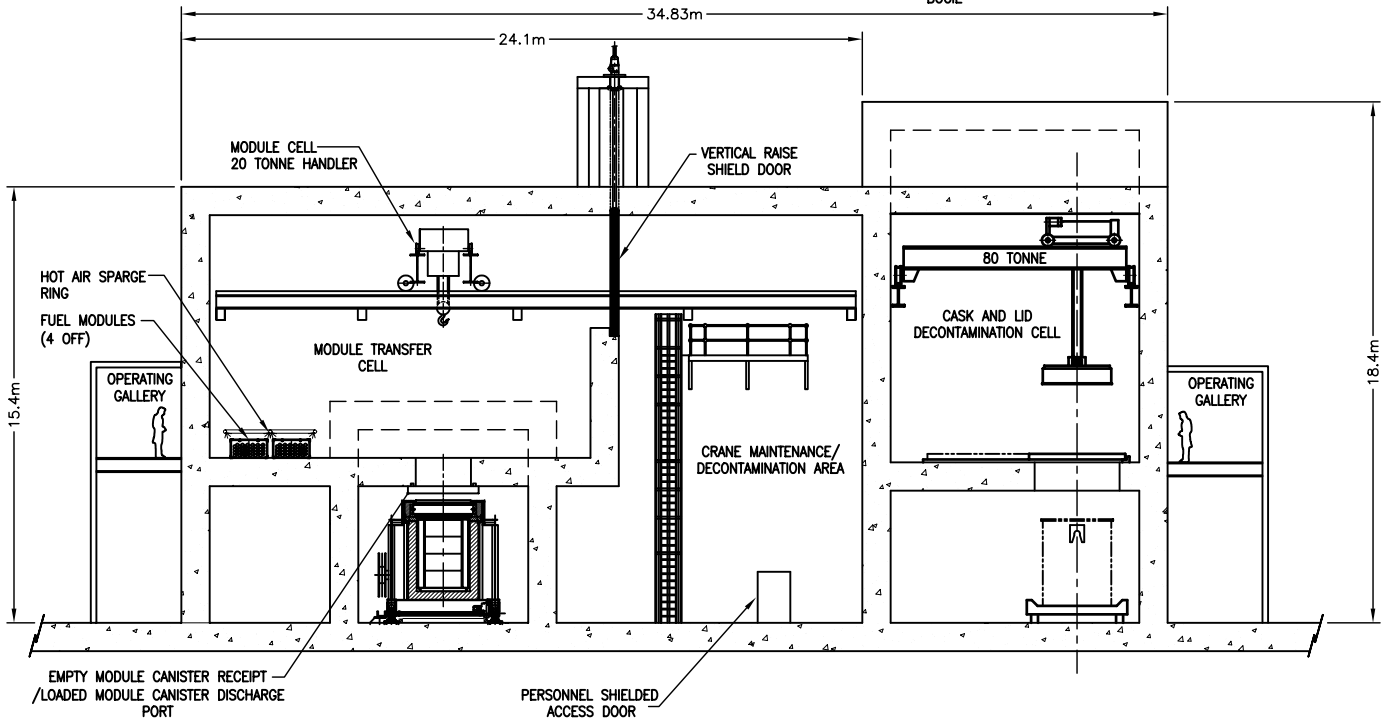


FIGURE 22
SHIELDED CELL
SURFACE MODULAR VAULT
GENERIC SECTIONS



KEY PLAN



SECTION 'D-D' FROM FIGURE 21

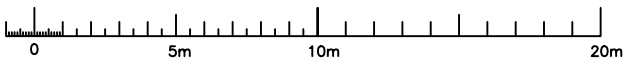


FIGURE 23
SHIELDED CELL
SURFACE MODULAR VAULT
GENERIC SECTIONS

FOR SECTIONS SEE FIG. 25

NOTE- FIGURE SHOWS A TYPICAL 4 CHAMBER STORAGE ARRANGEMENT. FOR INDIVIDUAL SITE REQUIREMENTS AND QUANTITY OF STORAGE CHAMBERS REFER TO RELEVANT SITE SPECIFIC FIGURES.

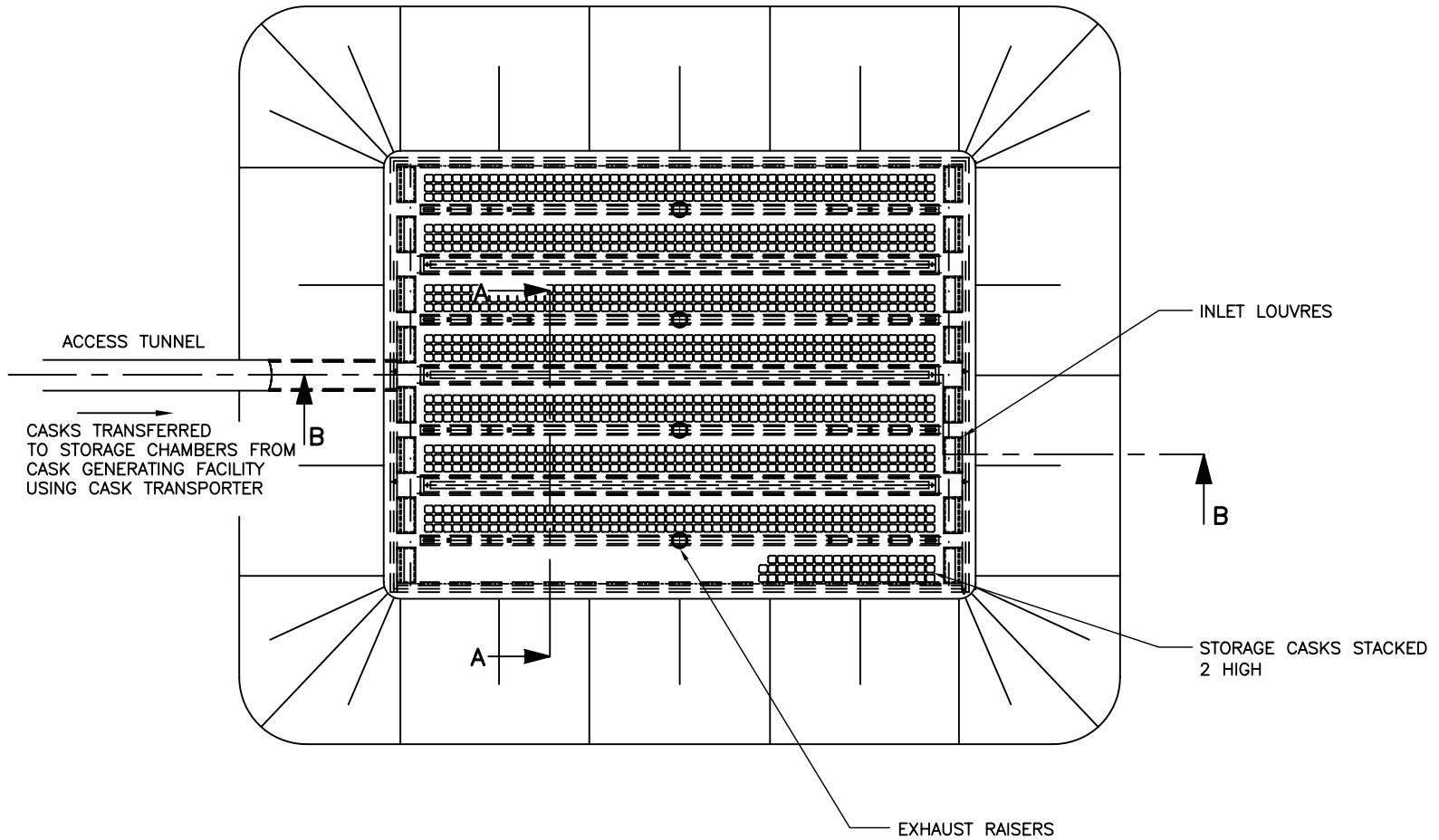
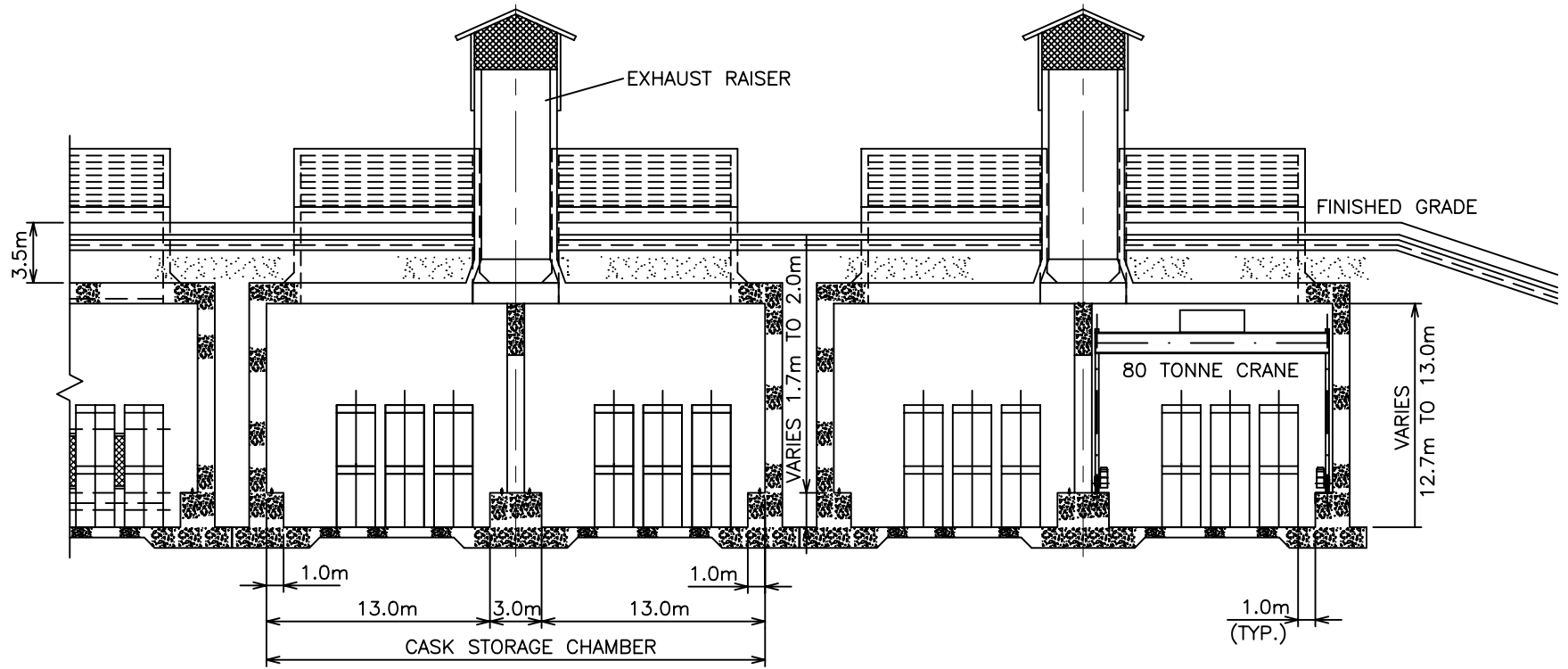
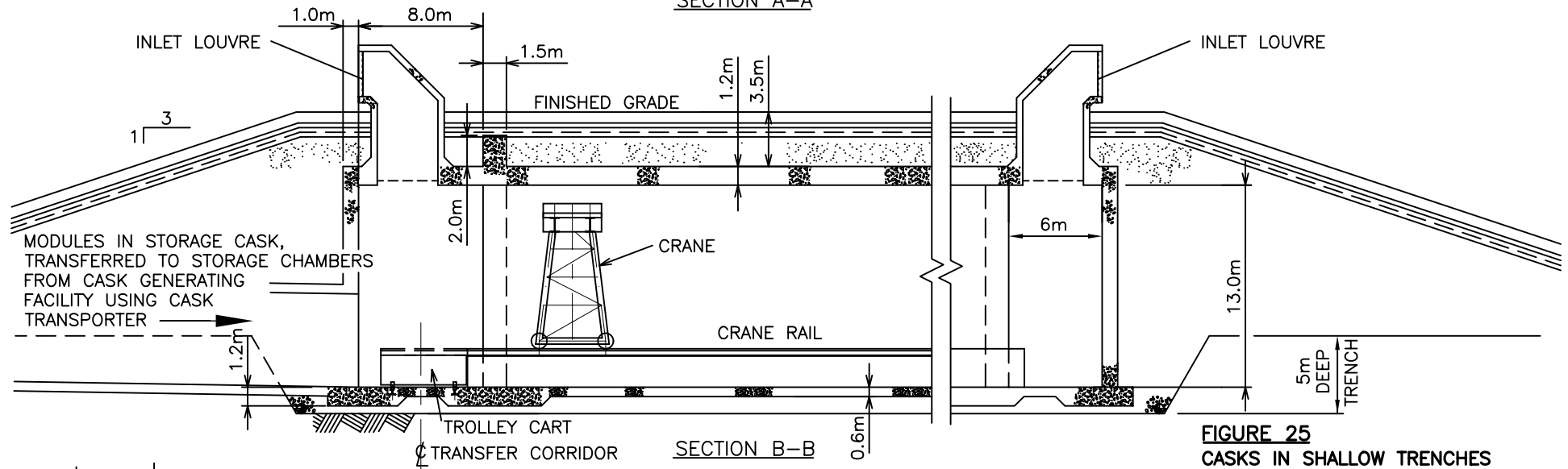


FIGURE 24
CASKS IN A SHALLOW TRENCH
STORAGE CHAMBERS
GENERIC PLAN



SECTION A-A



SECTION B-B

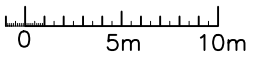


FIGURE 25
CASKS IN SHALLOW TRENCHES
STORAGE CHAMBERS
GENERIC PART ELEVATION

USED FUEL INVENTORY
AT PICKERING REACTOR SITE :-

2,421 MODULE CASKS

STORAGE SPACE AVAILABLE
FOR 2,600 CASKS
179 SPARE SPACES

FOR SECTION A-A SEE FIG. 16

NOTE- FIGURE SHOWS STORAGE
REQUIREMENTS BUT DOES NOT
SHOW ACTUAL BUILDING
POSITIONS OR ORIENTATION

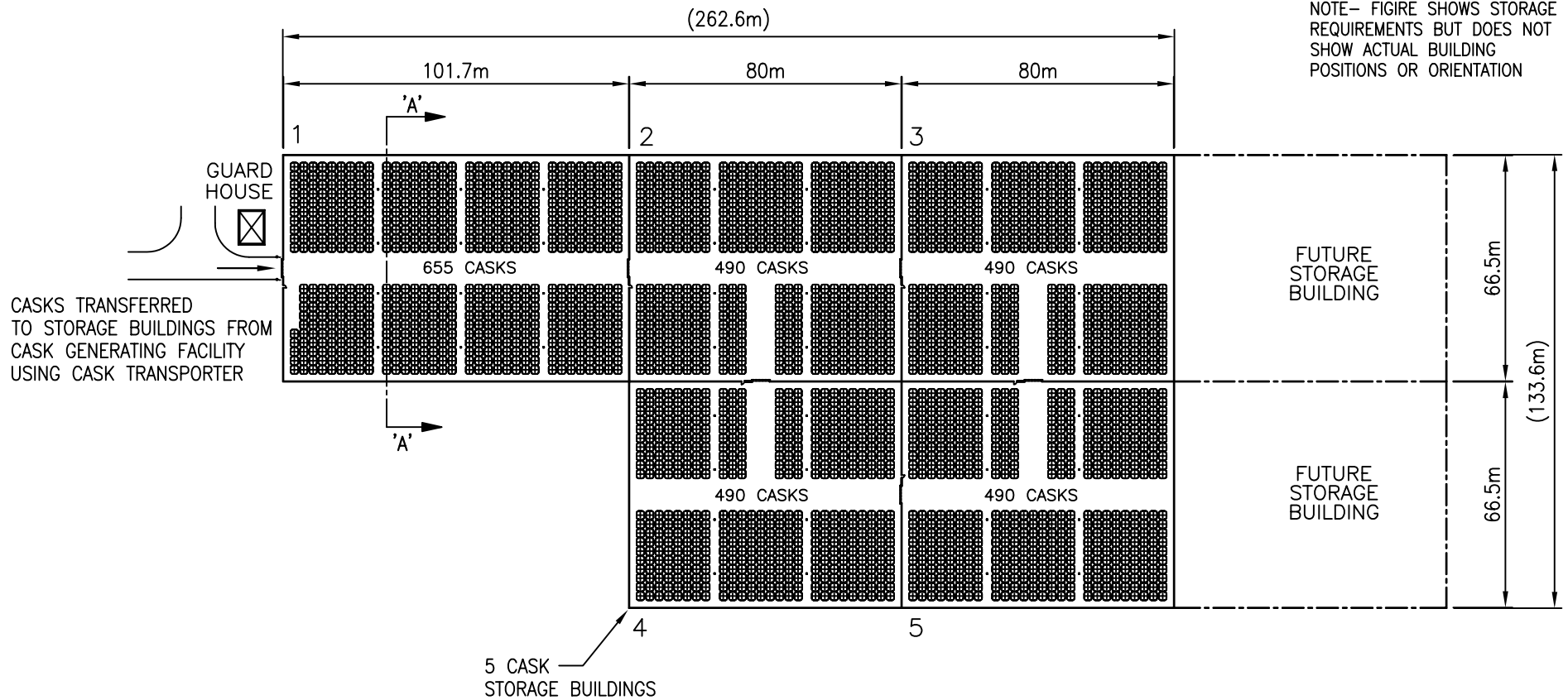


FIGURE 26
CASKS IN A STORAGE BUILDING
STORAGE COMPLEX - PLAN
OPG PICKERING REACTOR SITE

USED FUEL INVENTORY
AT PICKERING SITE :-

9,684 MODULES

FOR SECTIONS SEE FIG. 18 & 19

MODULE SMV VAULT
QUANTITY = 32 VAULTS
4X10 TUBE ARRAY
40 TUBES PER VAULT
1280 TUBES IN TOTAL
2 CANISTERS PER TUBE
2421 CANISTERS IN TOTAL

1211 LOADED SMV TUBES
(2 MODULE CANISTERS
PER TUBE)

69 SPARE
SMV TUBES

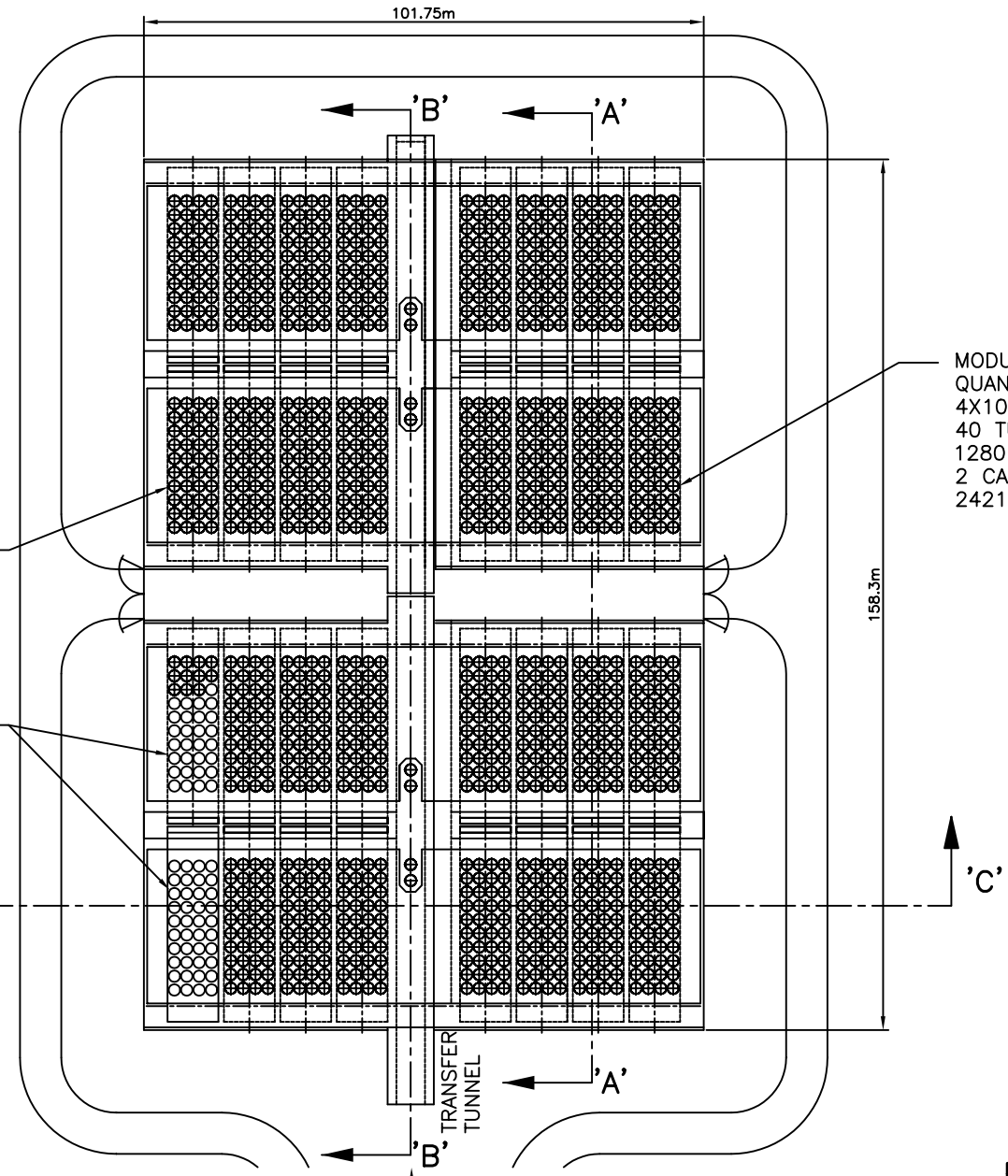
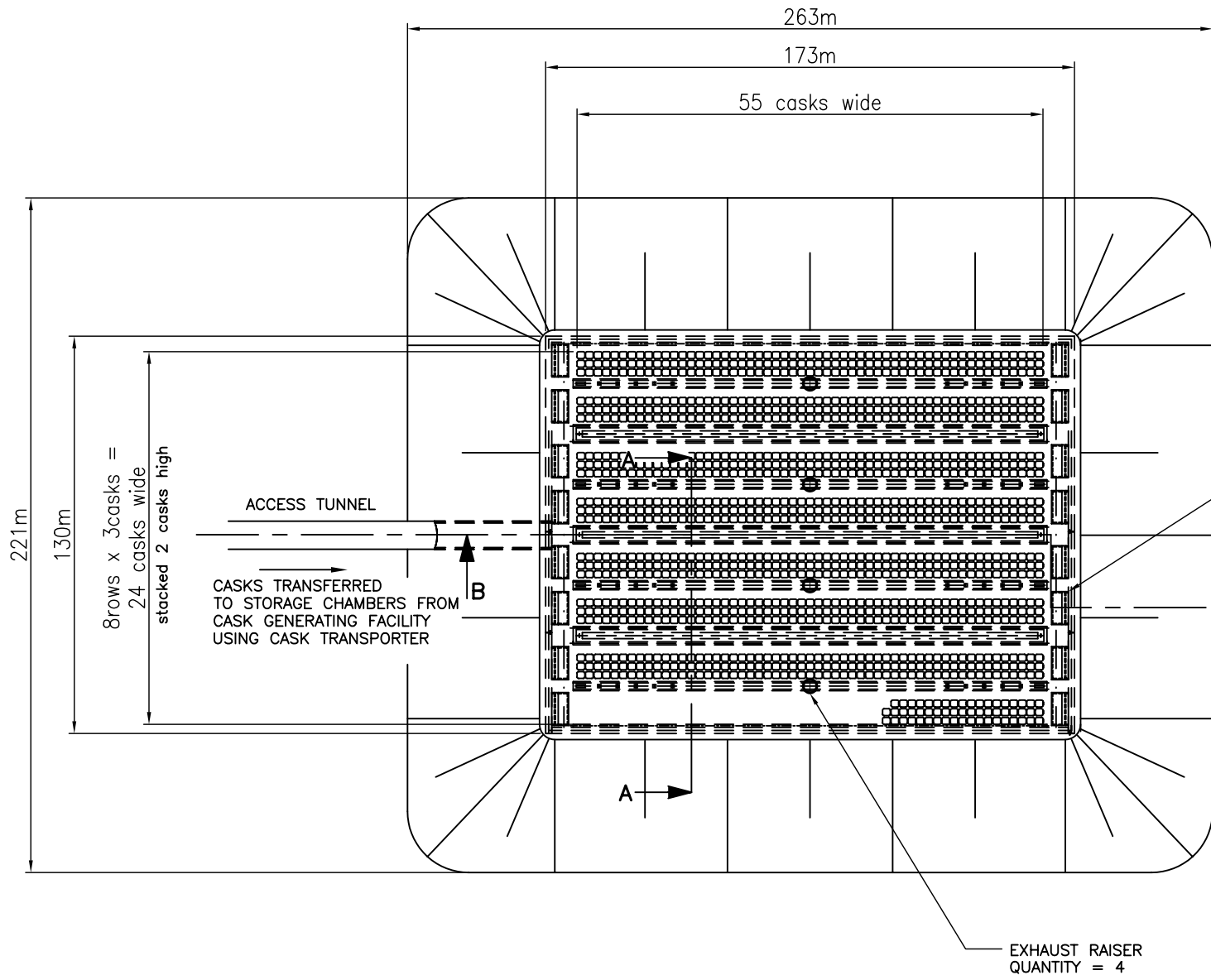


FIGURE 27
SURFACE MODULAR VAULT
STORAGE COMPLEX – PLAN
OPG PICKERING REACTOR SITE



USED FUEL INVENTORY
AT PICKERING REACTOR SITE :-

2,421 MODULE CASKS

STORAGE SPACE AVAILABLE
FOR 2640 CASKS
219 SPARE SPACES

FOR SECTIONS SEE FIG. 25

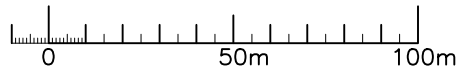


FIGURE 28
CASKS IN A SHALLOW TRENCH
STORAGE CHAMBERS – PLAN
OPG PICKERING REACTOR SITE

USED FUEL INVENTORY
AT BRUCE REACTOR SITE :-

3,825 MODULE CASKS

104 BASKET CASKS
(AECL DOUGLAS POINT FUEL)

SPACE REQUIRED FOR 3,929
CASKS IN TOTAL
STORAGE SPACE AVAILABLE FOR
4,160 CASKS.
231 SPARE SPACES

FOR SECTION A-A SEE FIG. 16

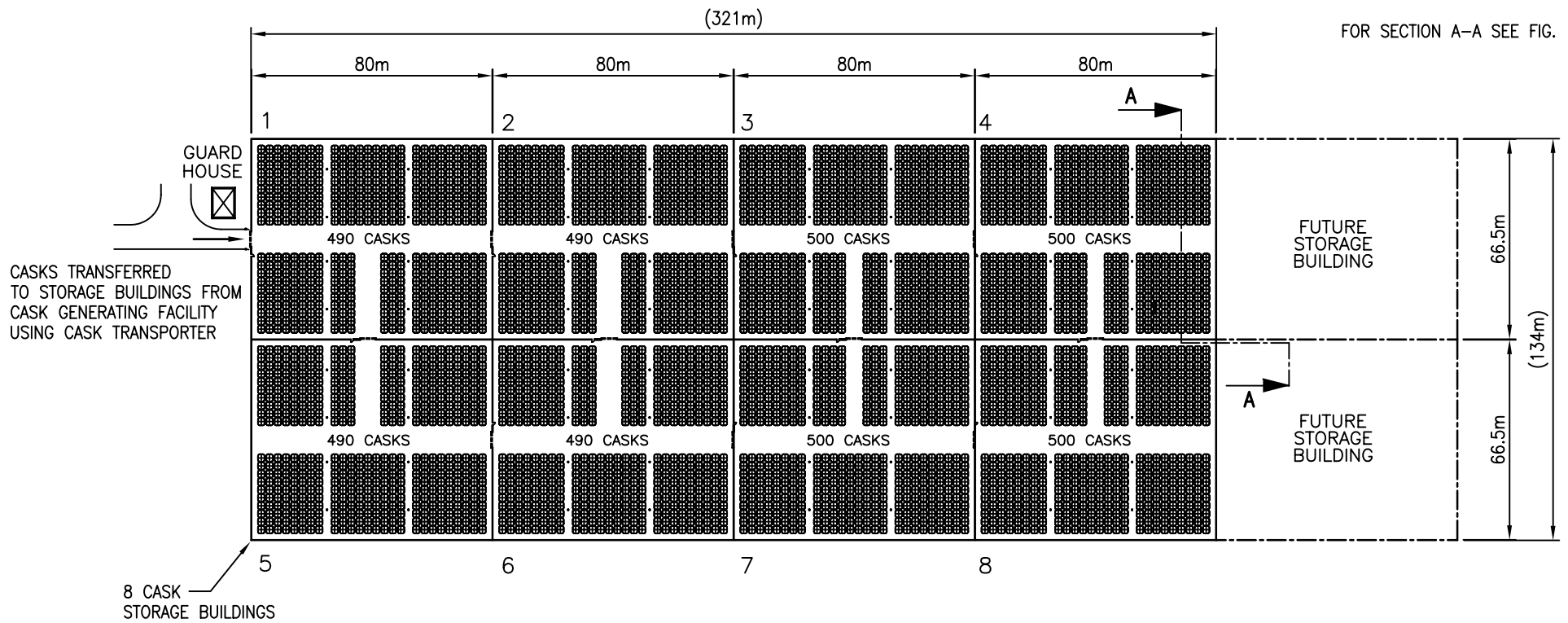
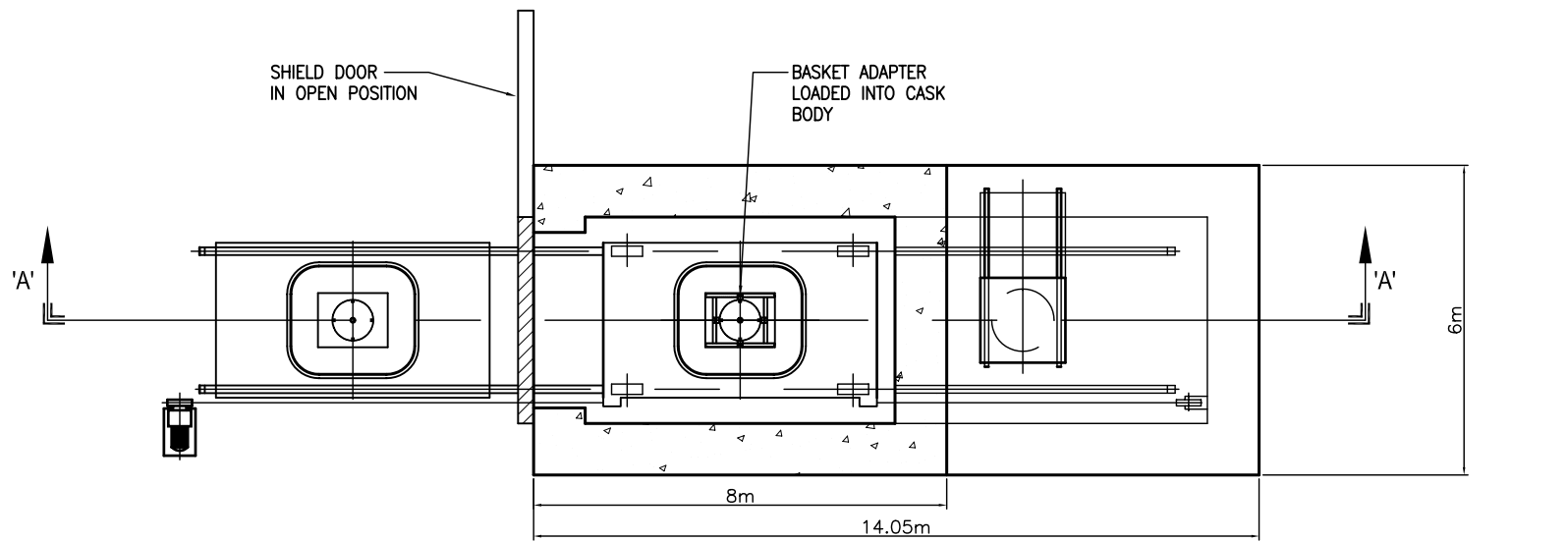
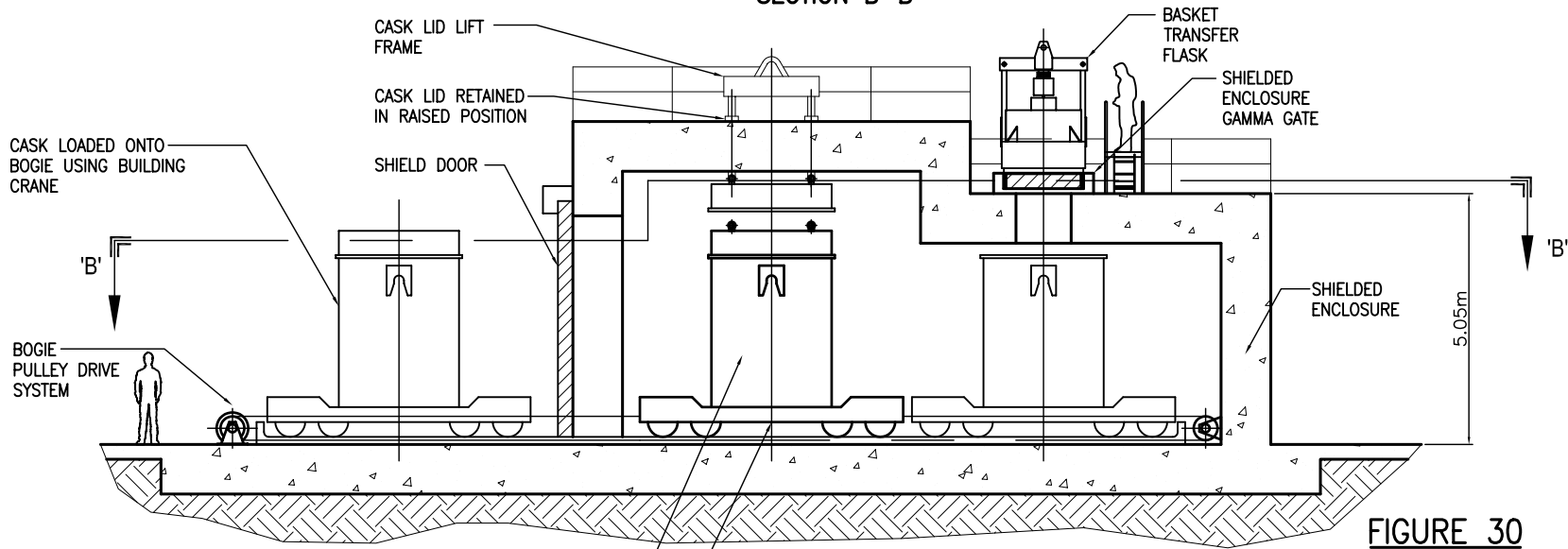


FIGURE 29
CASKS IN A STORAGE BUILDING
STORAGE COMPLEX - PLAN
BRUCE REACTOR SITE



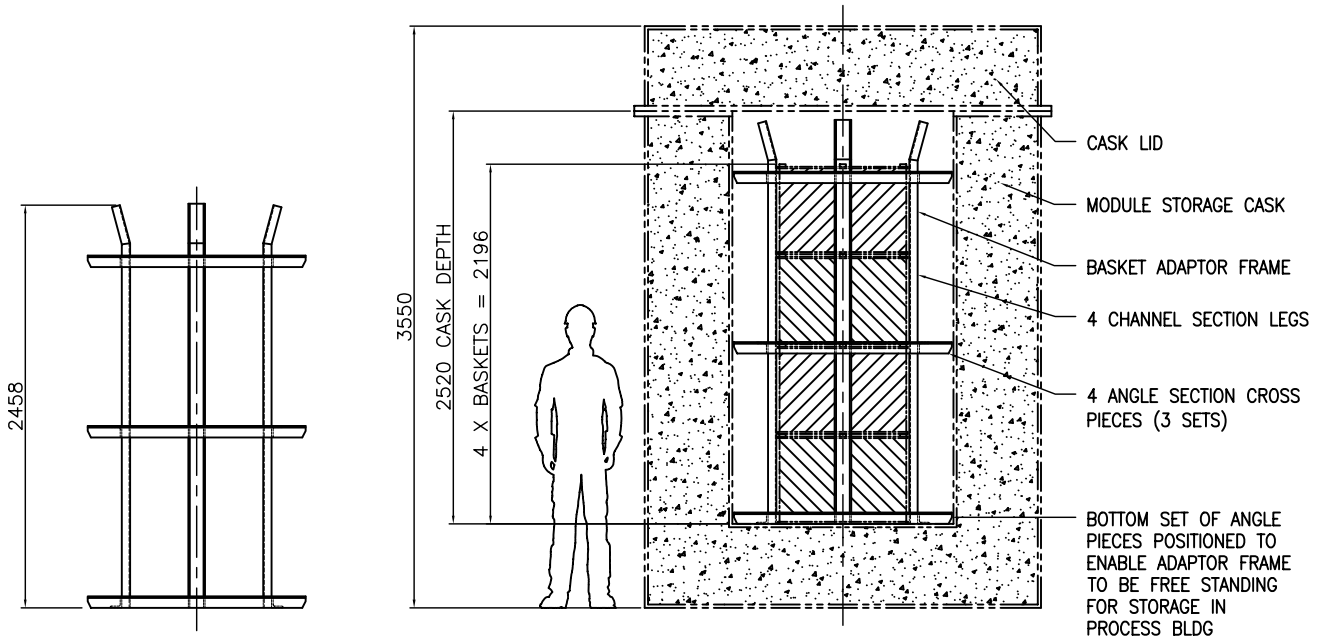
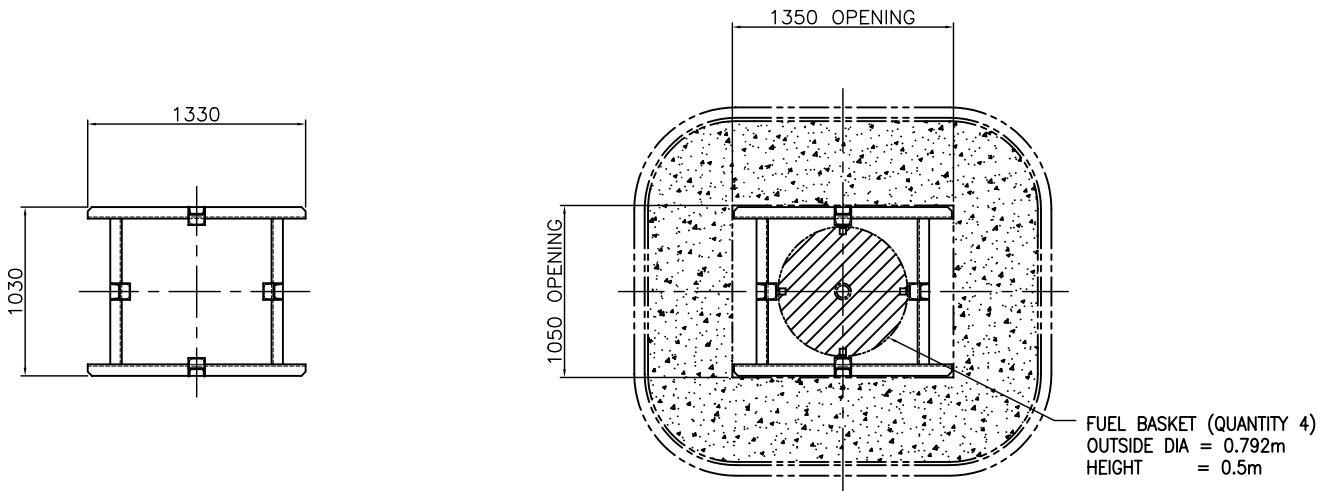
SECTION B-B



SECTION A-A



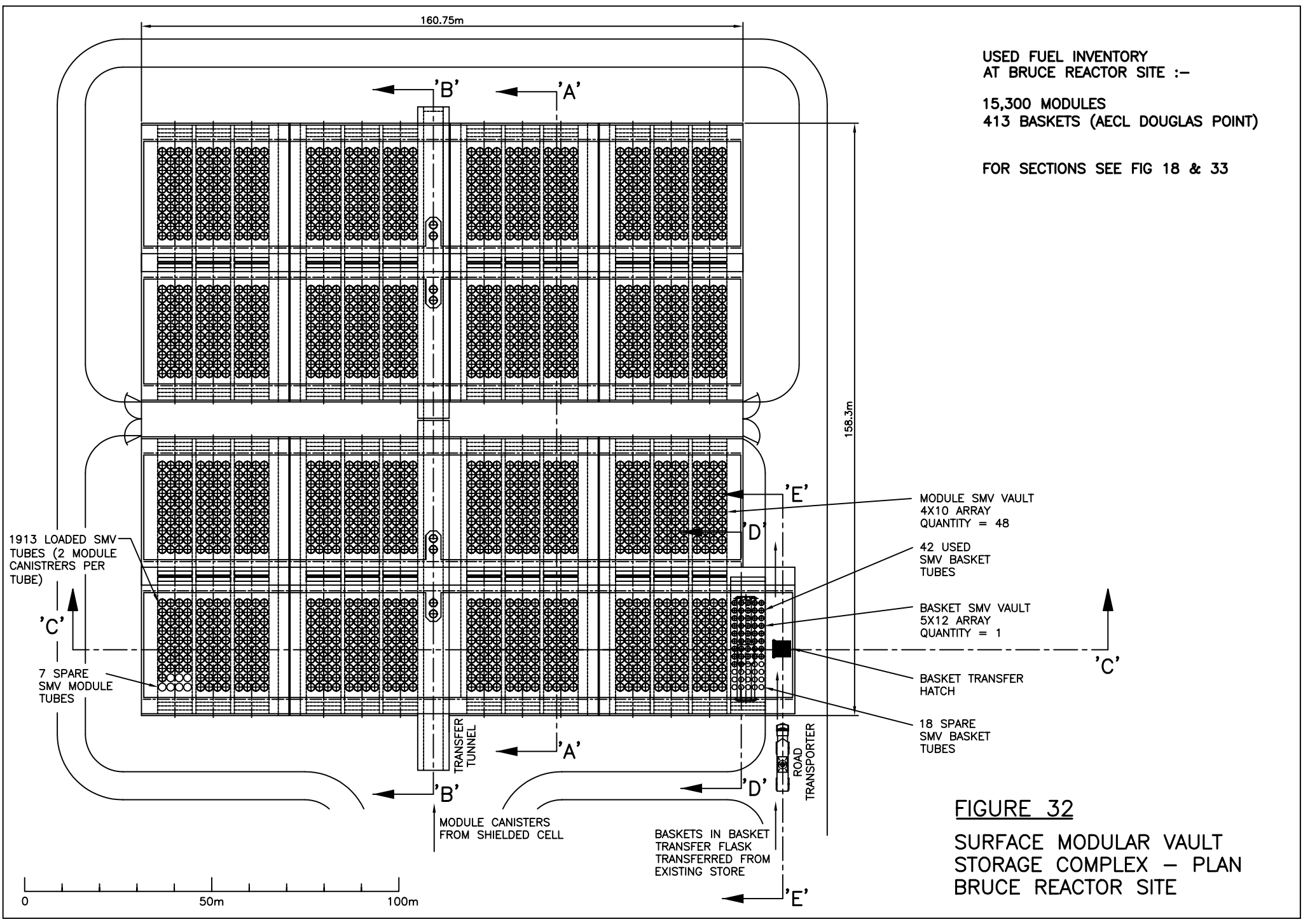
FIGURE 30
SHIELDED ENCLOSURE
BASKET LOADING INTO MODULE
STORAGE CASK – CVSB & CVST
AECL DOUGLAS POINT FUEL AT
BRUCE REACTOR SITE



DETAILS
 BASKET ADAPTOR

ASSEMBLY - BASKETS & BASKET ADAPTOR
 INSIDE MODULE STORAGE CASK

FIGURE 31 - MODULE CASK BASKET ADAPTOR
 (AECL BASKETS INTO MODULE CASKS)
 BRUCE REACTOR SITE



USED FUEL INVENTORY
 AT BRUCE REACTOR SITE :-
 15,300 MODULES
 413 BASKETS (AECL DOUGLAS POINT)

FOR SECTIONS SEE FIG 18 & 33

1913 LOADED SMV TUBES (2 MODULE CANISTRERS PER TUBE)

7 SPARE SMV MODULE TUBES

MODULE SMV VAULT
 4X10 ARRAY
 QUANTITY = 48

42 USED SMV BASKET TUBES

BASKET SMV VAULT
 5X12 ARRAY
 QUANTITY = 1

BASKET TRANSFER HATCH

18 SPARE SMV BASKET TUBES

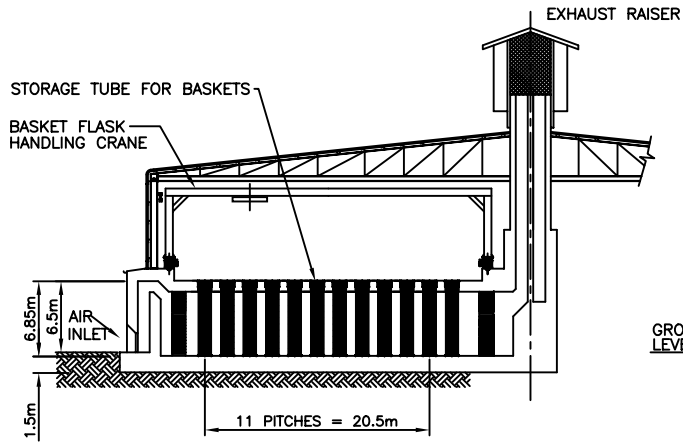
TRANSFER TUNNEL

MODULE CANISTRERS FROM SHIELDED CELL

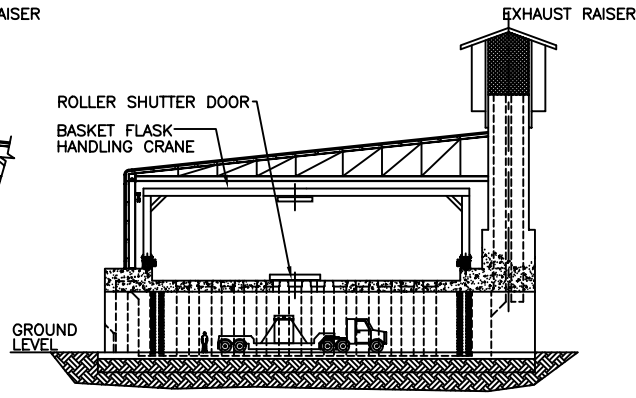
BASKETS IN BASKET TRANSFER FLASK TRANSFERRED FROM EXISTING STORE

ROAD TRANSPORTER

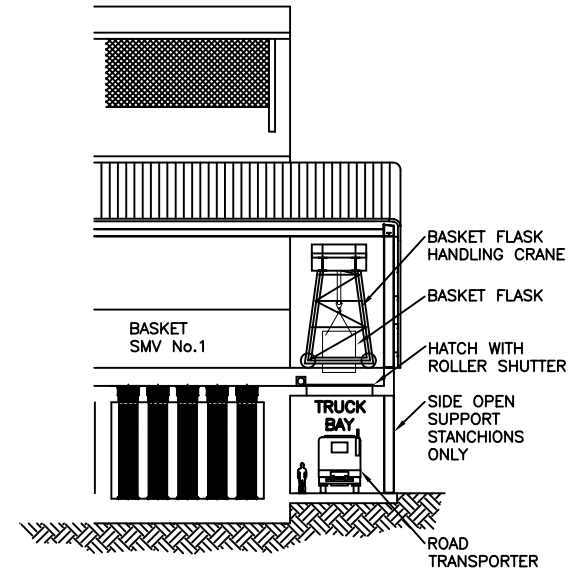
FIGURE 32
 SURFACE MODULAR VAULT STORAGE COMPLEX - PLAN
 BRUCE REACTOR SITE



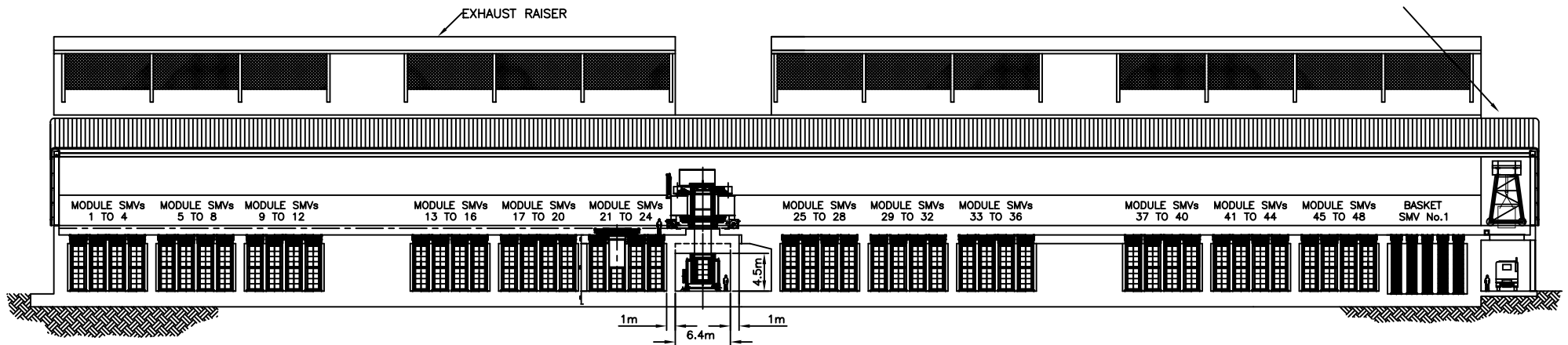
SECTION 'D-D' FROM FIGURE 32
TYPICAL SECTION THRU BASKET SMV



SECTION 'E-E' FROM FIGURE 32
TYPICAL SECTION THRU BASKET LOADING BAY



ENLARGED VIEW
OF BASKET FLASK UNLOADING AREA



SECTION 'C-C' FROM FIGURE 32
TYPICAL SECTION THRU VAULTS

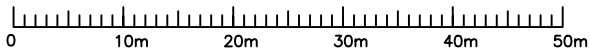


FIGURE 33

SURFACE MODULAR VAULT
STORAGE COMPLEX — SECTIONS
BRUCE REACTOR SITE

USED FUEL INVENTORY
AT BRUCE REACTOR SITE :-

3,825 MODULE CASKS

104 BASKET CASKS
(AECL DOUGLAS POINT)

SPACE REQD FOR 3929 CASKS IN
TOTAL.
STORAGE SPACE AVAILABLE
FOR 3960 CASKS
31 SPARE SPACES

FOR SECTIONS SEE FIG. 25

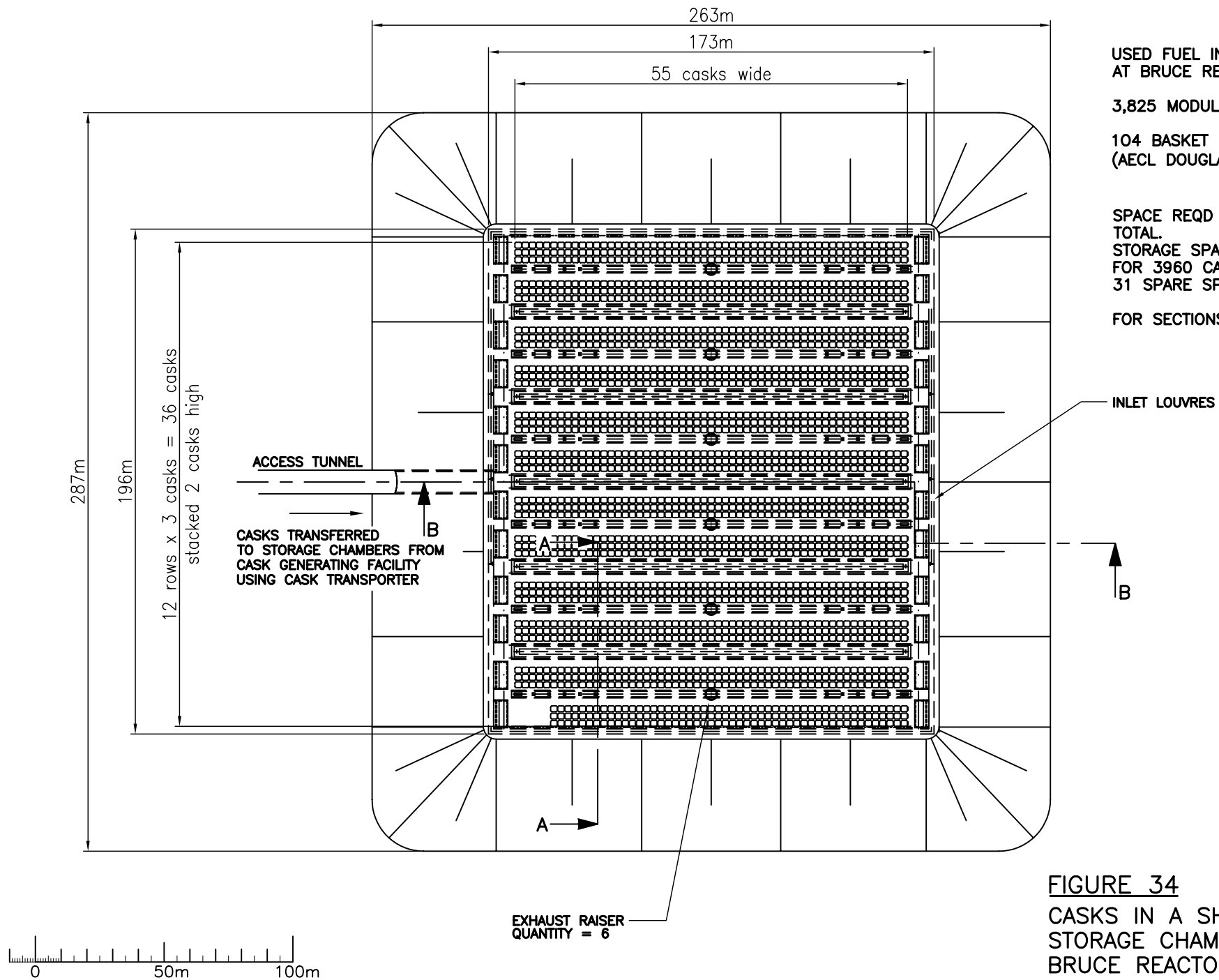


FIGURE 34
CASKS IN A SHALLOW TRENCH
STORAGE CHAMBERS – PLAN
BRUCE REACTOR SITE

USED FUEL INVENTORY
 AT DARLINGTON REACTOR SITE :-
 2,282 MODULE CASKS
 FOR SECTION A-A SEE FIG 16

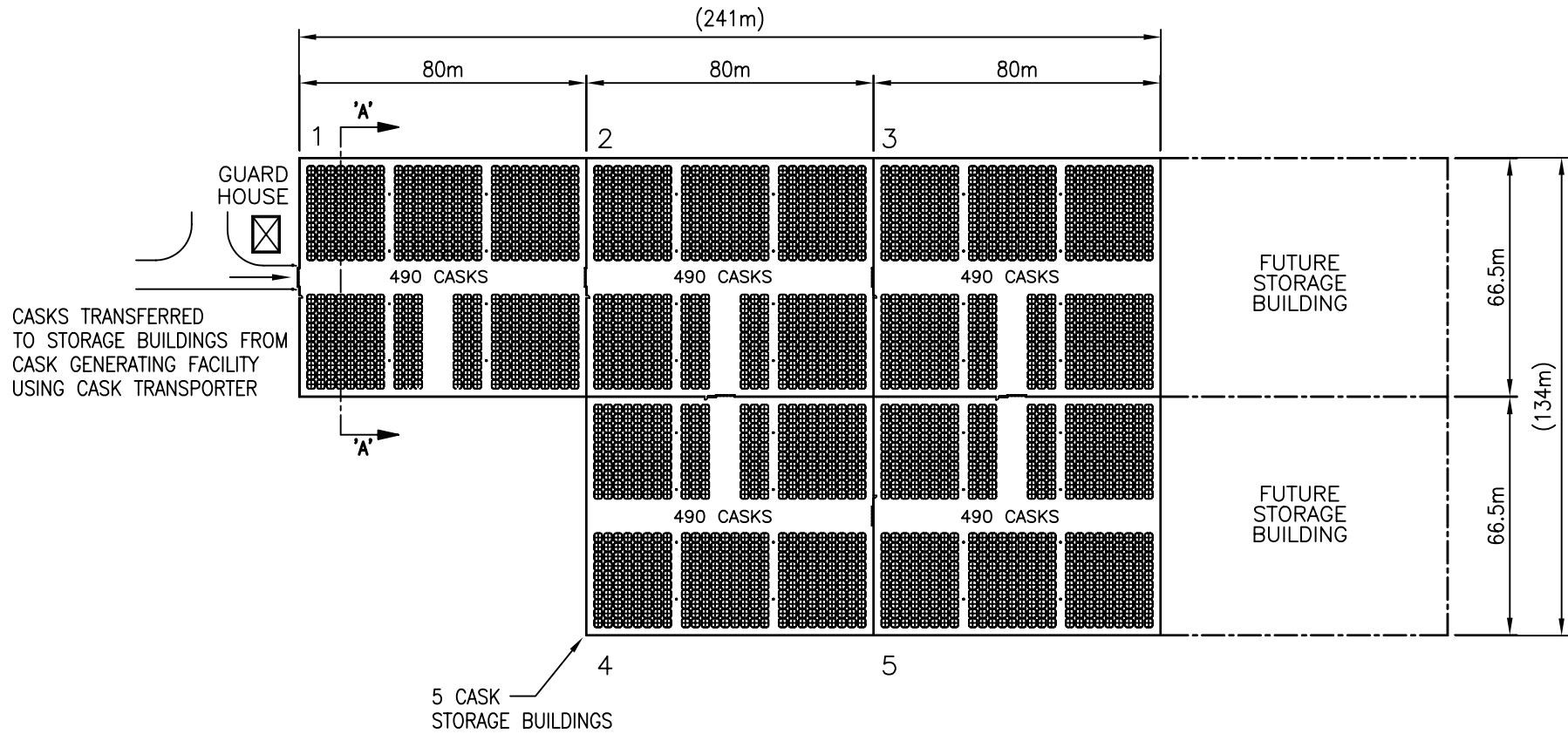


FIGURE 35
 CASKS IN A STORAGE BUILDING
 STORAGE COMPLEX – PLAN
 OPG DARLINGTON REACTOR SITE

USED FUEL INVENTORY
AT DARLINGTON SITE :-

9,126 MODULES

FOR SECTIONS SEE FIGURE 18 & 19

1141 LOADED SMV
TUBES (2 MODULE
CANISTERS PER
TUBE)

139 SPARE
SMV TUBES

'C'

'B'

'A'

15.83m

MODULE SMV VAULT
4X10 ARRAY
QUANTITY = 32

'C'

'A'

'B'

TRANSFER
TUNNEL
MODULES CANISTERS
FROM SHIELDED CELL

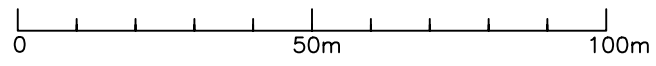
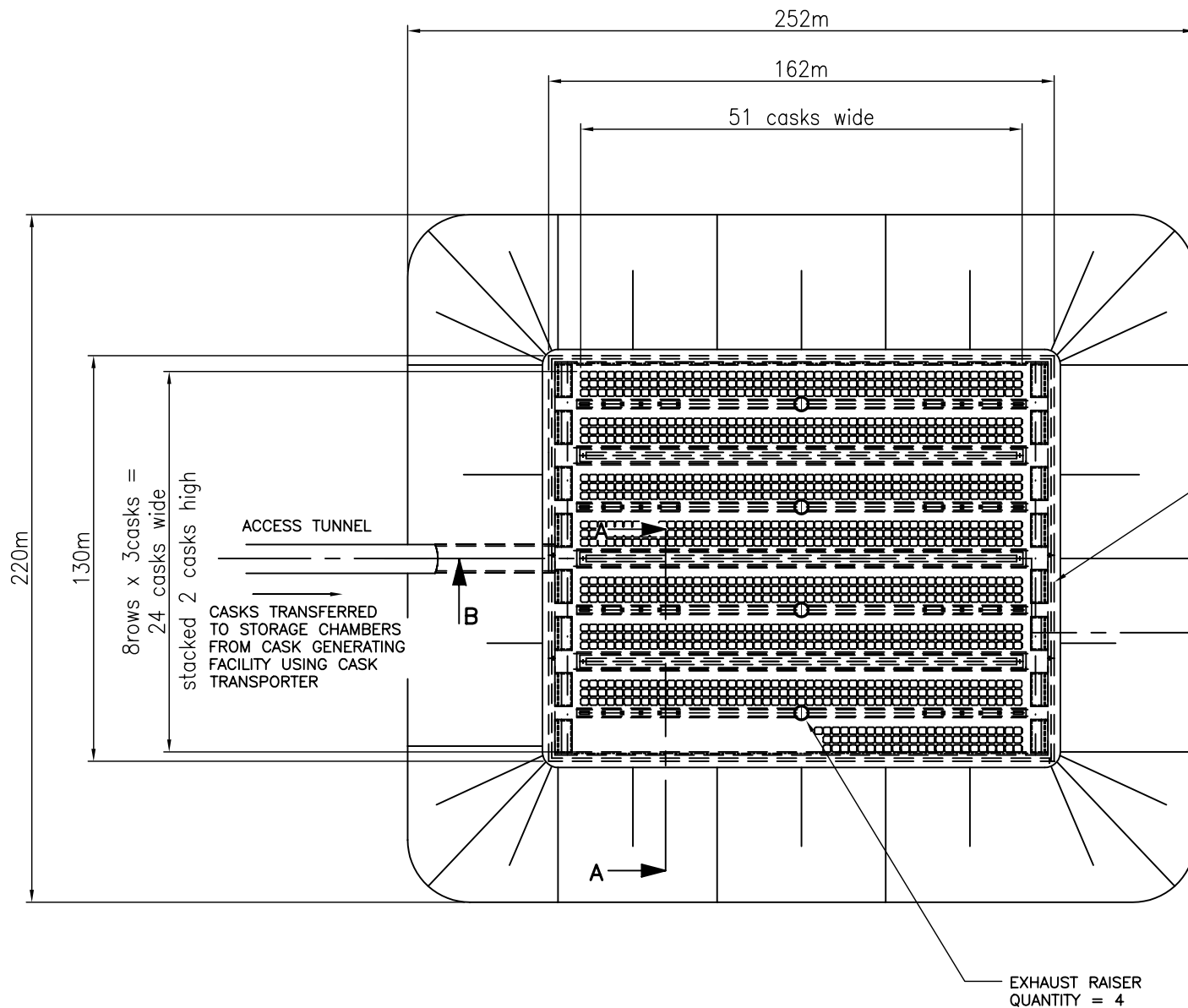


FIGURE 36

SURFACE MODULAR VAULT
STORAGE COMPLEX - PLAN
OPG DARLINGTON REACTOR SITE



USED FUEL INVENTORY
AT DARLINGTON REACTOR
SITE :-

2,282 MODULE CASKS

STORAGE SPACE AVAILABLE
FOR 2,448 CASKS
166 SPARE SPACES

FOR SECTIONS SEE FIG 25

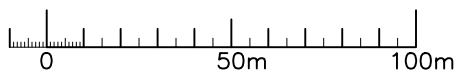


FIGURE 37
CASKS IN A SHALLOW TRENCH
STORAGE CHAMBERS – PLAN
OPG DARLINGTON REACTOR SITE