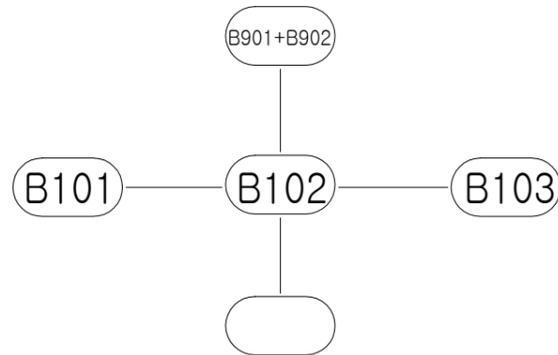


NOTES

1. BOTH SIDE ARE SYMMETRIC EXCEPT AS SHOWN.
2. ALL SECTIONS ARE SHOWN LOOKING FORWARD EXCEPT AS NOTED.
3. ALL ELEVATIONS ARE SHOWN LOOKING PORT SIDE EXCEPT AS NOTED.
4. WELD BEAD TO BE CHIPPED IN WAY OF NO SCALLOP OF A CROSS THE WELDING LINE.
5. WELDING LEG LENGTH IS (). EXCEPT AS SHOWN.
6. NO MARKED STEEL TO BE GRADE "A".
_____ TO BE HIGHER TENSIL STEEL.

ERECTION SEQUENCE



| | | | | |
|---|---|-----------------------------------|------------------------|--------------------------------|
| BLOCK WEIGHT (TON) | P | C | S | TOTAL (29) SHEETS WITH A COVER |
| SHIP NO. EN5430 | | SHIP TYPE ENABOL 5430 BHP TOWBOAT | | |
| TEL. | | BLOCK NAME | | |
| APPROVED | | B101 BLOCK | | |
| CHECKED | | (FR.0 ~ FR.20+75) | | |
| CHECKED | | | | |
| DRAWN | | | | |
| GMB Inc 586-1, Seonam-dong Nam-gu, Ulsan, Korea | | SCALE | DWG NO. | |
| | | DATE | REV. NO. B101-01-TITLE | |

KR3-ASSY

| DATE | REV NO | DESCRIPTION | SHOP | PAGE | APPROVAL | | |
|--------------|--------|----------------|------------|-------------------|----------|-------|-------|
| | | | | | DRAW | CHECK | APPR |
| | △ | ISSUED TO YARD | | | | | |
| | | | | | | | |
| <u>NOTED</u> | | | | | | | |
| ERECTION | | O. X | P. E BLOCK | BLOCK COMPOSITION | | | BASE |
| UNIT ERECT | | | | | | | NOMAL |
| PRE ERECT | | | | | | | |
| ERECT | | | | | | | |

B101 BLOCK PROCESS

GMB

BLOCK NO.
PAGE

B101
/

-BL1C/R
-BL6C/R
-BL8C/R

-BL1H
-BL1V
-BL6H/V
-BL8J/W
(S1)

-FR21F/T
-FR22G/U
-FR23J/W

-FR3A
-FR3B/Q
-FR4A
-FR4B/Q

-FR6XX
-FR7XX
-FR8XX
-FR10XX
-FR11XX
-FR12XX
-FR14XX
-FR15XX

-FR16XX
-FR17XX
-FR18XX
-FR19XX
-FR21XX
-FR23XX
-GRXX

-FR2B/Q

-GR8G/U

-FR2A/P

-FR9A
-FR9C/R
-FR21G/U
-FR22J/W
-FR23L/Y

-FDXX

-GROC
-GR7C/R

-FR13A
-FR13C/R

-FR5B/Q
-FR9E/S
-FR13E/S

-LBXX

-LB1U
-LB6G/U

-TB20A/P
-TB24A/P

-FR5A/P
-FR9B/Q
-FR13B/Q

-TB23G/U

-LB10A/P

-TROA/P

-TB23F/T

-TB20B/Q

-TT2A
-TT2B/Q

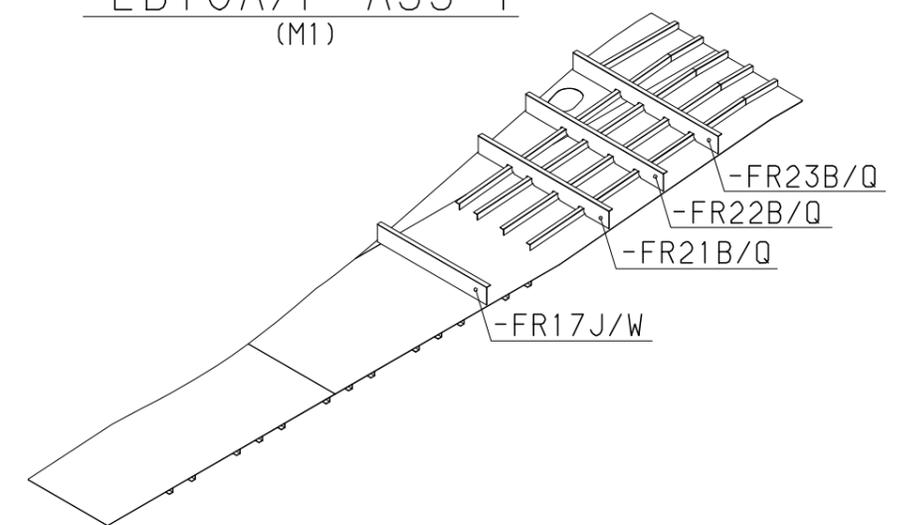
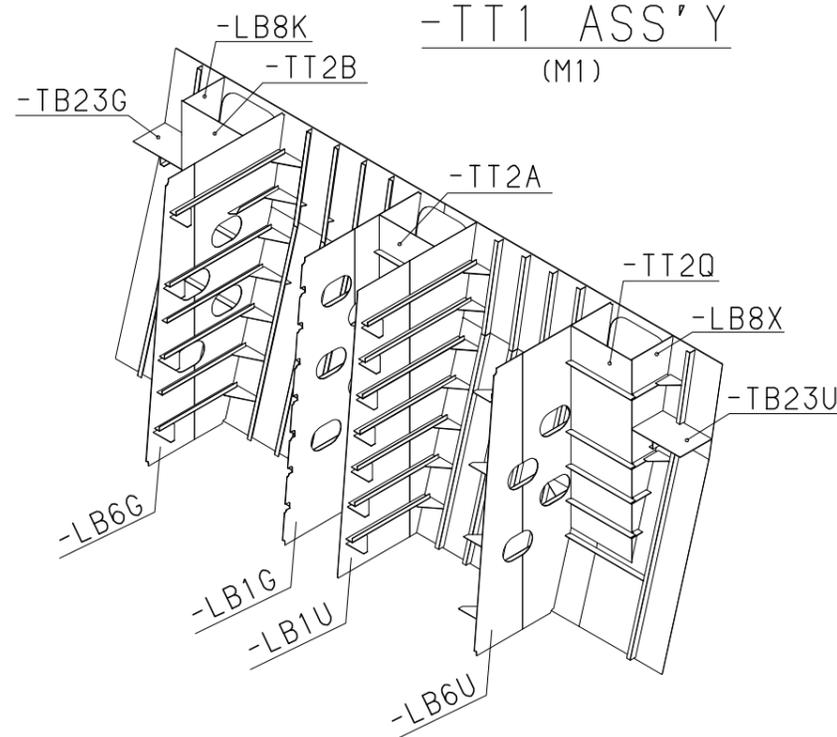
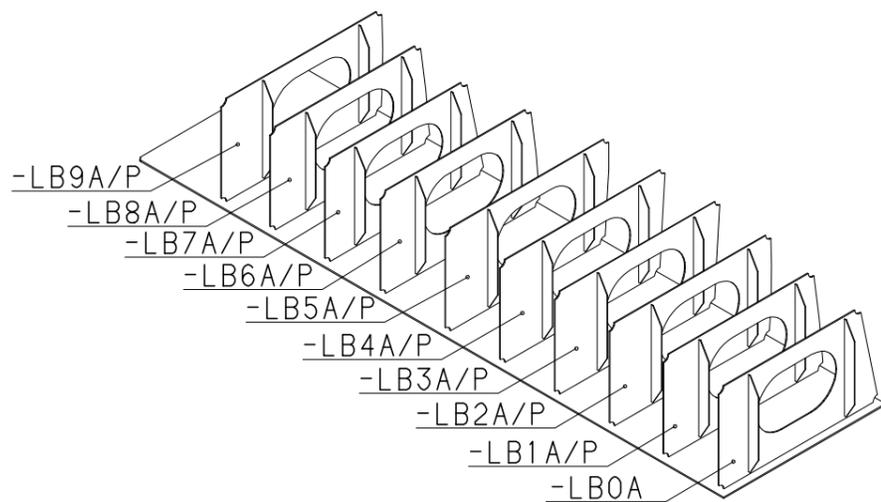
-TT1

-FR5C/R
-FR9F/T
-FR13F/T
-FR24B/Q

-TROA/P ASS'Y
(M1)

-TT1 ASS'Y
(M1)

-LB10A/P ASS'Y
(M1)



1-1
-2 SS1A/M(1) _ _PG.
-2 SS1P/M(1) _ _PG.
-2 TT1/M(1) _ _PG.
-2 TB0B/M(1) _ _PG.
-2 TB0D/M(1) _ _PG.
-2 LB10A/M(1) _ _PG.
-2 LB10P/M(1) _ _PG.
-2 TR0A/M(1) _ _PG.
-2 TR0P/M(1) _ _PG.

1-1
-2 SS1A/M(1) _ _PG.
-2 SS1P/M(1) _ _PG.
-2 TT1/M(1) _ _PG.
-2 TB0B/M(1) _ _PG.
-2 TB0D/M(1) _ _PG.
-2 LB10A/M(1) _ _PG.
-2 LB10P/M(1) _ _PG.
-2 TR0A/M(1) _ _PG.
-2 TR0P/M(1) _ _PG.

1-1
-2 SS1A/M(1) _ _PG.
-2 SS1P/M(1) _ _PG.
-2 TT1/M(1) _ _PG.
-2 TB0B/M(1) _ _PG.
-2 TB0D/M(1) _ _PG.
-2 LB10A/M(1) _ _PG.
-2 LB10P/M(1) _ _PG.
-2 TR0A/M(1) _ _PG.
-2 TR0P/M(1) _ _PG.

1-2 BS1/M(1) _ _PG.

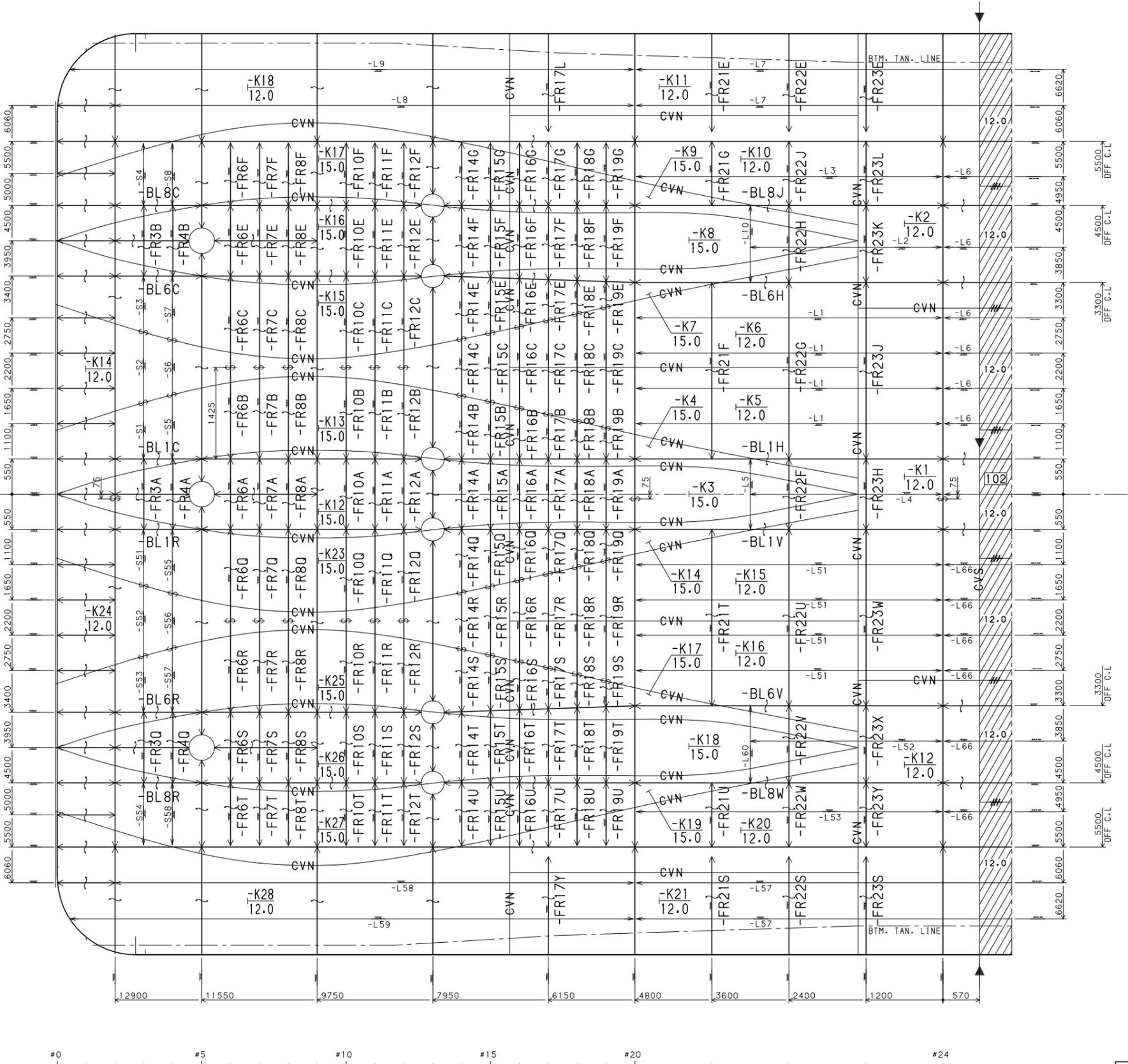
1-1
-2 BS1/M(1) _ _PG.

| ASSEMBLY_NO | WEIGHT (Kg) | COG_X (M) | COG_Y (M) | COG_Z (M) | ASSY_AREA (M) w | |
|-------------|-------------|-----------|-----------|-----------|------------------------|--------|
| 101 | 62.166. | 7.531. | -0.002. | 2.463. | 1828.412. (ASS'Y only) | |
| FR11B | 0.038. | 4.946. | 1.269. | 2.035. | 1.210. (| 1.210) |
| FR11C | 0.038. | 4.946. | 2.677. | 2.035. | 1.210. (| 1.210) |
| FR11E | 0.024. | 4.946. | 3.948. | 2.452. | 0.762. (| 0.762) |
| FR11F | 0.026. | 4.946. | 5.005. | 2.147. | 0.831. (| 0.831) |
| FR11D | 0.038. | 4.946. | -1.269. | 2.035. | 1.210. (| 1.210) |
| FR11R | 0.038. | 4.946. | -2.677. | 2.035. | 1.210. (| 1.210) |
| FR11S | 0.024. | 4.946. | -3.948. | 2.452. | 0.762. (| 0.762) |
| FR11T | 0.026. | 4.946. | -5.005. | 2.147. | 0.831. (| 0.831) |
| FR12A | 0.023. | 5.396. | -0.002. | 2.328. | 0.747. (| 0.747) |
| FR12B | 0.037. | 5.396. | 1.261. | 1.949. | 1.177. (| 1.177) |
| FR12C | 0.037. | 5.396. | 2.686. | 1.949. | 1.177. (| 1.177) |
| FR12E | 0.023. | 5.396. | 3.948. | 2.328. | 0.747. (| 0.747) |
| FR12F | 0.026. | 5.396. | 5.004. | 2.045. | 0.819. (| 0.819) |
| FR12D | 0.037. | 5.396. | -1.261. | 1.949. | 1.177. (| 1.177) |
| FR12R | 0.037. | 5.396. | -2.686. | 1.949. | 1.177. (| 1.177) |
| FR12S | 0.023. | 5.396. | -3.948. | 2.328. | 0.747. (| 0.747) |
| FR12T | 0.026. | 5.396. | -5.004. | 2.045. | 0.819. (| 0.819) |
| FR14A | 0.023. | 6.296. | -0.002. | 2.067. | 0.725. (| 0.725) |
| FR14B | 0.026. | 6.296. | 1.072. | 1.823. | 0.840. (| 0.840) |
| FR14C | 0.020. | 6.296. | 1.974. | 1.613. | 0.630. (| 0.630) |
| FR14E | 0.026. | 6.296. | 2.871. | 1.821. | 0.833. (| 0.833) |
| FR14F | 0.022. | 6.296. | 3.943. | 2.063. | 0.716. (| 0.716) |
| FR14G | 0.024. | 6.296. | 4.996. | 1.823. | 0.775. (| 0.775) |
| FR14Q | 0.026. | 6.296. | -1.072. | 1.823. | 0.840. (| 0.840) |
| FR14R | 0.020. | 6.296. | -1.974. | 1.613. | 0.630. (| 0.630) |
| FR14S | 0.026. | 6.296. | -2.871. | 1.821. | 0.833. (| 0.833) |
| FR14T | 0.022. | 6.296. | -3.943. | 2.063. | 0.716. (| 0.716) |
| FR14U | 0.024. | 6.296. | -4.996. | 1.823. | 0.775. (| 0.775) |
| FR15A | 0.023. | 6.746. | -0.002. | 1.938. | 0.721. (| 0.721) |
| FR15B | 0.024. | 6.746. | 1.024. | 1.729. | 0.749. (| 0.749) |
| FR15C | 0.025. | 6.746. | 1.974. | 1.554. | 0.782. (| 0.782) |
| FR15E | 0.023. | 6.746. | 2.912. | 1.725. | 0.729. (| 0.729) |
| FR15F | 0.022. | 6.746. | 3.933. | 1.931. | 0.713. (| 0.713) |
| FR15G | 0.025. | 6.746. | 4.999. | 1.720. | 0.785. (| 0.785) |
| FR15Q | 0.024. | 6.746. | -1.024. | 1.729. | 0.749. (| 0.749) |
| FR15R | 0.025. | 6.746. | -1.974. | 1.554. | 0.782. (| 0.782) |
| FR15S | 0.023. | 6.746. | -2.912. | 1.725. | 0.729. (| 0.729) |
| FR15T | 0.022. | 6.746. | -3.933. | 1.931. | 0.713. (| 0.713) |
| FR15U | 0.025. | 6.746. | -4.999. | 1.720. | 0.785. (| 0.785) |
| FR16A | 0.023. | 7.196. | -0.002. | 1.810. | 0.720. (| 0.720) |
| FR16B | 0.021. | 7.196. | 0.974. | 1.630. | 0.661. (| 0.661) |
| FR16C | 0.030. | 7.196. | 1.973. | 1.483. | 0.940. (| 0.940) |
| FR16E | 0.020. | 7.196. | 2.955. | 1.623. | 0.628. (| 0.628) |
| FR16F | 0.022. | 7.196. | 3.924. | 1.800. | 0.714. (| 0.714) |
| FR16G | 0.025. | 7.196. | 5.002. | 1.612. | 0.798. (| 0.798) |
| FR16Q | 0.021. | 7.196. | -0.974. | 1.630. | 0.661. (| 0.661) |
| FR16R | 0.030. | 7.196. | -1.973. | 1.483. | 0.940. (| 0.940) |
| FR16S | 0.020. | 7.196. | -2.955. | 1.623. | 0.628. (| 0.628) |
| FR16T | 0.022. | 7.196. | -3.924. | 1.800. | 0.714. (| 0.714) |
| FR16U | 0.025. | 7.196. | -5.002. | 1.612. | 0.798. (| 0.798) |
| FR17A | 0.023. | 7.646. | -0.002. | 1.682. | 0.720. (| 0.720) |
| FR17B | 0.018. | 7.646. | 0.923. | 1.525. | 0.574. (| 0.574) |
| FR17C | 0.035. | 7.646. | 1.973. | 1.400. | 1.099. (| 1.099) |
| FR17E | 0.017. | 7.646. | 2.998. | 1.516. | 0.529. (| 0.529) |
| FR17F | 0.022. | 7.646. | 3.914. | 1.669. | 0.715. (| 0.715) |
| FR17G | 0.026. | 7.646. | 5.006. | 1.499. | 0.813. (| 0.813) |
| FR17L | 0.044. | 7.637. | 6.288. | 1.464. | 1.131. (| 1.131) |
| FR17D | 0.018. | 7.646. | -0.923. | 1.525. | 0.574. (| 0.574) |
| FR17R | 0.035. | 7.646. | -1.973. | 1.400. | 1.099. (| 1.099) |
| FR17S | 0.017. | 7.646. | -2.998. | 1.516. | 0.529. (| 0.529) |
| FR17T | 0.022. | 7.646. | -3.914. | 1.669. | 0.715. (| 0.715) |
| FR17U | 0.026. | 7.646. | -5.006. | 1.499. | 0.813. (| 0.813) |
| FR17Y | 0.044. | 7.637. | -6.288. | 1.464. | 1.131. (| 1.131) |
| FR18A | 0.023. | 8.096. | -0.002. | 1.554. | 0.721. (| 0.721) |
| FR18B | 0.015. | 8.096. | 0.872. | 1.416. | 0.489. (| 0.489) |
| FR18C | 0.040. | 8.096. | 1.973. | 1.308. | 1.260. (| 1.260) |
| FR18E | 0.014. | 8.096. | 3.042. | 1.405. | 0.431. (| 0.431) |
| FR18F | 0.023. | 8.096. | 3.904. | 1.538. | 0.717. (| 0.717) |
| FR18G | 0.025. | 8.096. | 5.001. | 1.387. | 0.809. (| 0.809) |
| FR18D | 0.015. | 8.096. | -0.872. | 1.416. | 0.489. (| 0.489) |
| FR18R | 0.040. | 8.096. | -1.973. | 1.308. | 1.260. (| 1.260) |
| FR18S | 0.014. | 8.096. | -3.042. | 1.405. | 0.431. (| 0.431) |
| FR18T | 0.023. | 8.096. | -3.904. | 1.538. | 0.717. (| 0.717) |
| FR18U | 0.025. | 8.096. | -5.001. | 1.387. | 0.809. (| 0.809) |
| FR19A | 0.023. | 8.546. | -0.002. | 1.426. | 0.720. (| 0.720) |
| FR19B | 0.013. | 8.546. | 0.821. | 1.306. | 0.404. (| 0.404) |
| FR19C | 0.045. | 8.546. | 1.972. | 1.215. | 1.422. (| 1.422) |
| FR19E | 0.010. | 8.546. | 3.086. | 1.293. | 0.333. (| 0.333) |
| FR19F | 0.022. | 8.546. | 3.894. | 1.406. | 0.716. (| 0.716) |
| FR19G | 0.025. | 8.546. | 4.999. | 1.275. | 0.806. (| 0.806) |
| FR19Q | 0.013. | 8.546. | -0.821. | 1.306. | 0.404. (| 0.404) |
| FR19R | 0.045. | 8.546. | -1.972. | 1.215. | 1.422. (| 1.422) |
| FR19S | 0.010. | 8.546. | -3.086. | 1.293. | 0.333. (| 0.333) |
| FR19T | 0.022. | 8.546. | -3.894. | 1.406. | 0.716. (| 0.716) |
| FR19U | 0.025. | 8.546. | -4.999. | 1.275. | 0.806. (| 0.806) |
| FR21E | 0.044. | 10.187. | 6.288. | 0.938. | 1.126. (| 1.126) |
| FR21F | 0.125. | 10.196. | 1.923. | 1.098. | 3.987. (| 3.987) |
| FR21G | 0.037. | 10.196. | 5.026. | 1.064. | 1.177. (| 1.177) |
| FR21S | 0.044. | 10.187. | -6.288. | 0.938. | 1.126. (| 1.126) |
| FR21T | 0.125. | 10.196. | -1.923. | 1.098. | 3.987. (| 3.987) |
| FR21U | 0.037. | 10.196. | -5.026. | 1.064. | 1.177. (| 1.177) |
| FR22E | 0.044. | 11.387. | 6.288. | 0.691. | 1.126. (| 1.126) |
| FR22F | 0.037. | 11.395. | 0.000. | 0.687. | 0.955. (| 0.955) |
| FR22G | 0.109. | 11.396. | 1.918. | 0.804. | 3.467. (| 3.467) |
| FR22H | 0.040. | 11.395. | 3.900. | 0.686. | 1.030. (| 1.030) |
| FR22J | 0.032. | 11.396. | 5.023. | 0.773. | 1.004. (| 1.004) |
| FR22S | 0.044. | 11.387. | -6.288. | 0.691. | 1.126. (| 1.126) |
| FR22U | 0.109. | 11.396. | -1.918. | 0.804. | 3.467. (| 3.467) |
| FR22V | 0.040. | 11.395. | -3.900. | 0.686. | 1.030. (| 1.030) |
| FR22W | 0.032. | 11.396. | -5.023. | 0.773. | 1.004. (| 1.004) |
| FR23E | 0.044. | 12.587. | 6.288. | 0.445. | 1.126. (| 1.126) |
| FR23H | 0.040. | 12.595. | -0.002. | 0.424. | 1.030. (| 1.030) |
| FR23J | 0.098. | 12.596. | 1.918. | 0.529. | 3.128. (| 3.128) |
| FR23K | 0.043. | 12.595. | 3.902. | 0.429. | 1.092. (| 1.092) |
| FR23L | 0.028. | 12.596. | 5.025. | 0.504. | 0.897. (| 0.897) |
| FR23S | 0.044. | 12.587. | -6.288. | 0.445. | 1.126. (| 1.126) |
| FR23W | 0.098. | 12.596. | -1.918. | 0.529. | 3.128. (| 3.128) |
| FR23X | 0.043. | 12.595. | -3.902. | 0.429. | 1.092. (| 1.092) |
| FR23Y | 0.028. | 12.596. | -5.025. | 0.504. | 0.897. (| 0.897) |

B.T.M. SHELL

101-BS1

- L1-L10: 150X90X8.0 U.A
- L51-L60: 150X90X8.0 U.A
- S1-S8: 150X90X8.0 U.A
- S51-S58: 150X90X8.0 U.A



GMB Inc

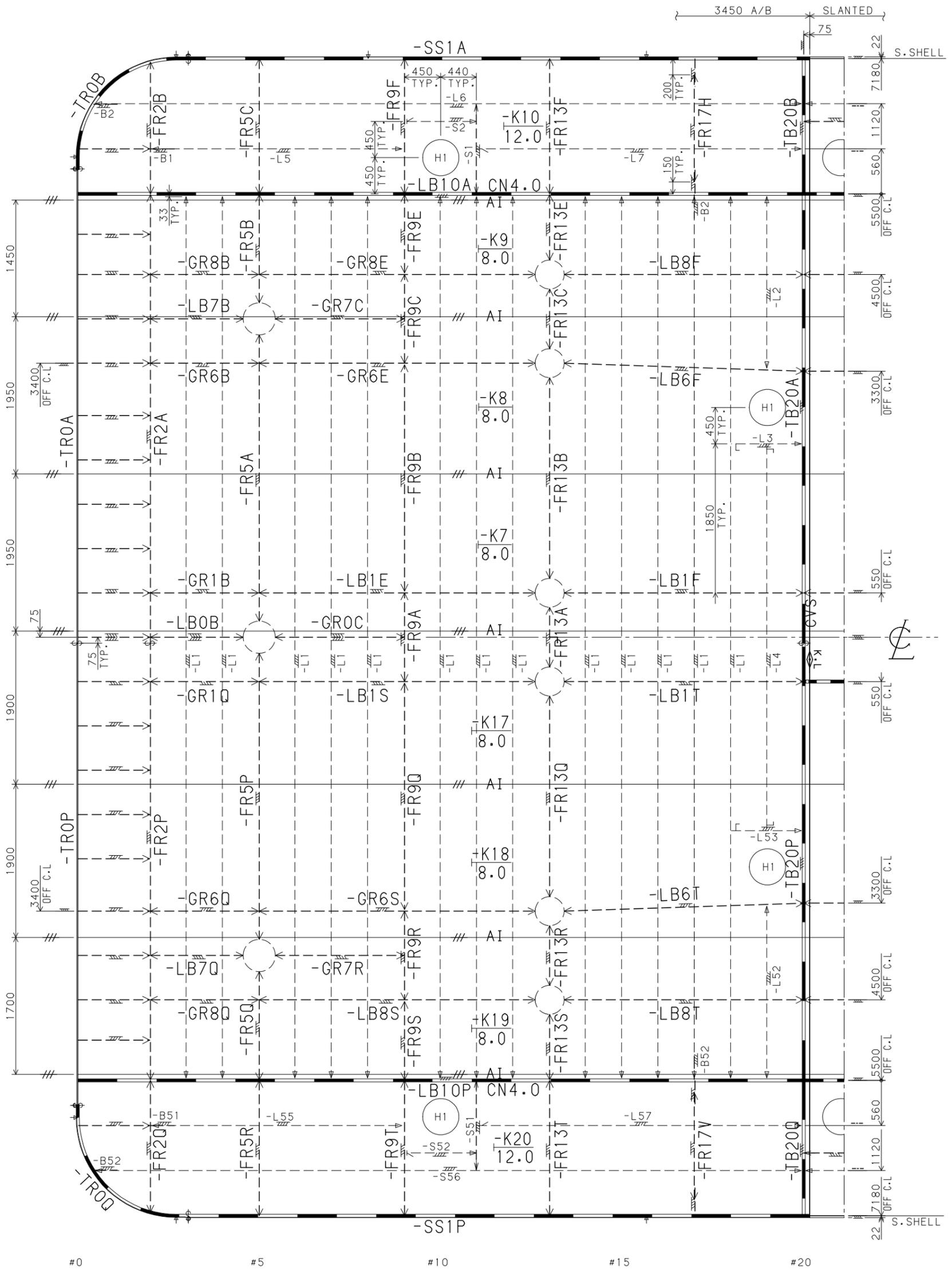
(A5V-IH0)

| | |
|-----|-----------|
| GMB | BLOCK NO. |
| | PAGE |

MAIN DECK PLAN

101-DK1

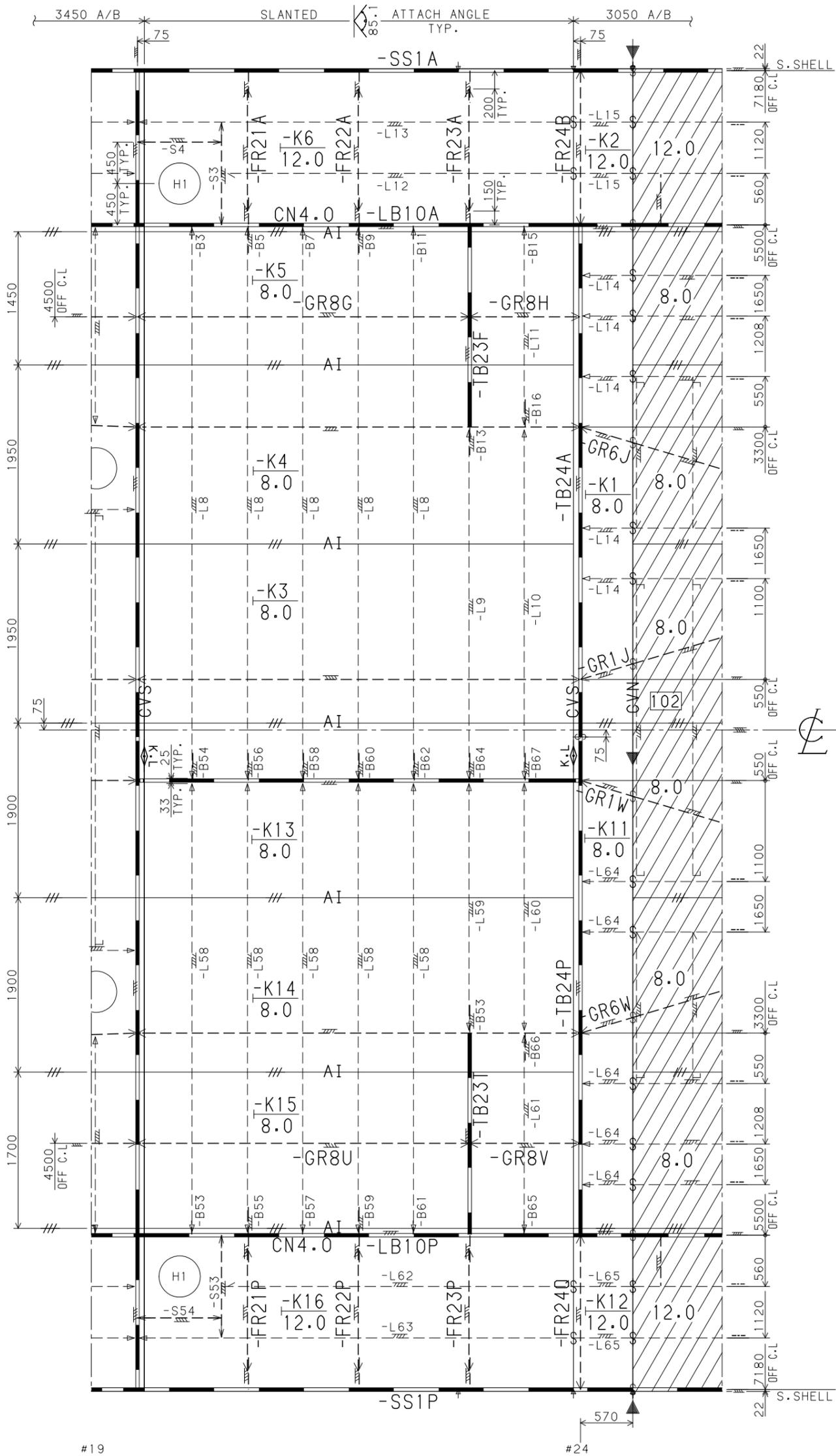
-L1~L7, L52~L57: 100X75X8.0 U.A
 -S1, S2, S51, S52: 100X10.0 F.B
 -H1: Ø450



MAIN DECK PLAN

101-DK1

-L8~L15, L58~L65: 100X75X8.0 U.A
 -S3, S4, S53, S54: 100X10.0 F.B
 -H1: Ø450



GMB Inc

(A5V-IH0)

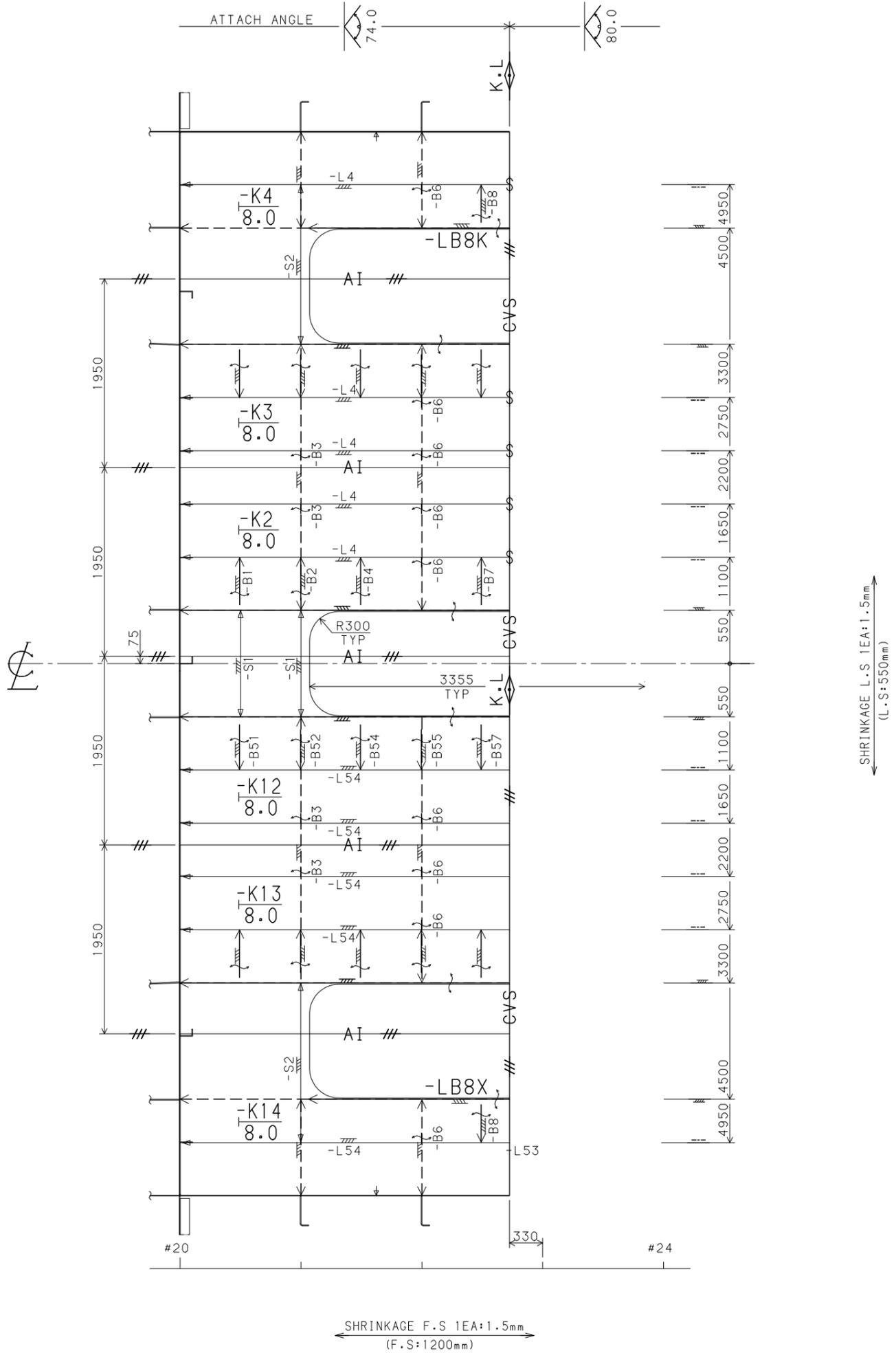
| | |
|-----|-----------|
| GMB | BLOCK NO. |
| | PAGE |
| | |

OT FLAT

SLOPING OT FLAT

101-TT1

-L1~L4:100X75X8.0 U.A
 -L51~L54:100X75X8.0 U.A
 -S1~S2:100X8.0 F.B



GMB Inc

(ASV-IH)

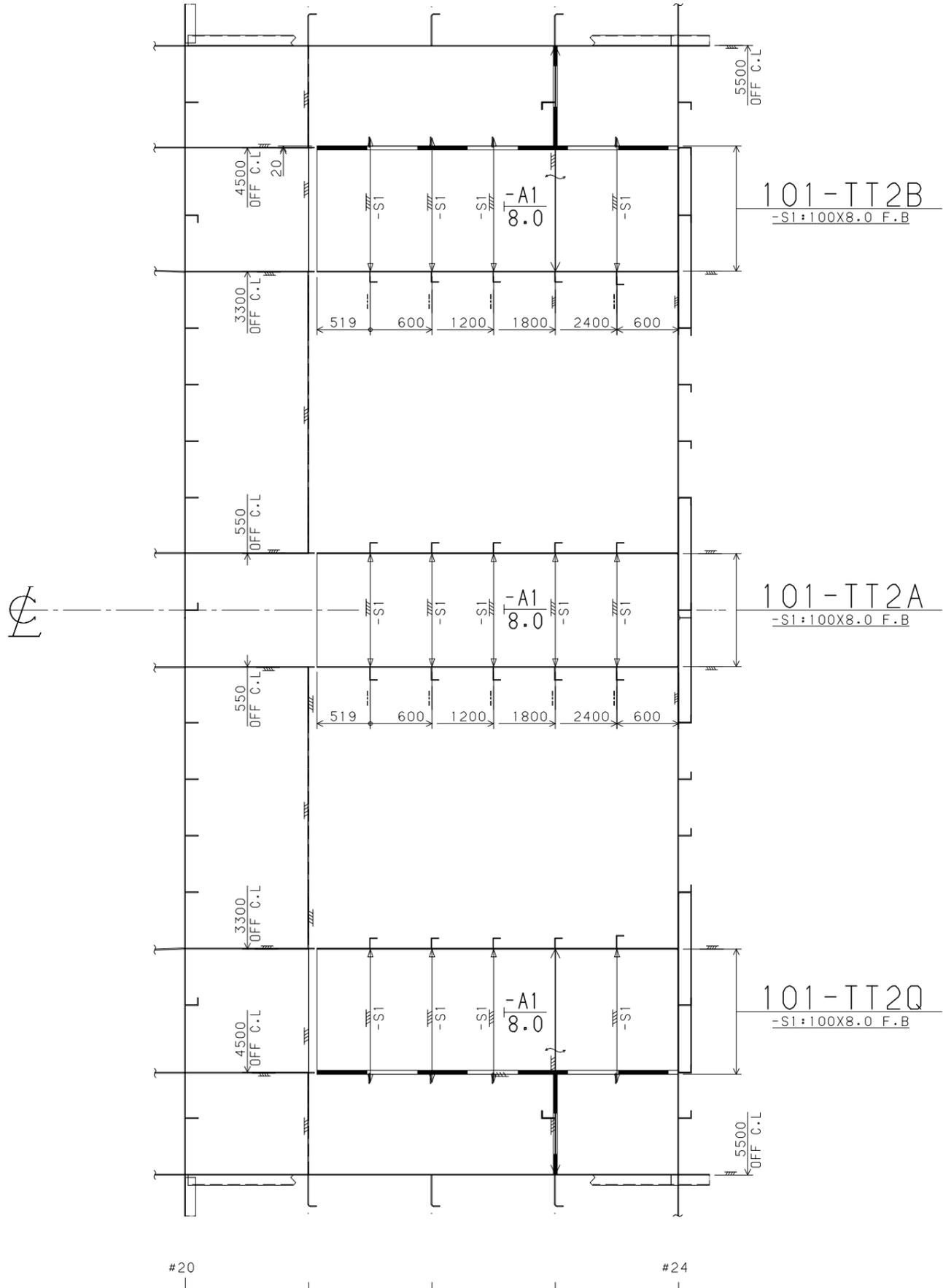
B101-23-TTOP

GMB

BLOCK NO.
PAGE

/

1500 A/B PLAN



GMB Inc

(OHI-A3V)

B101-24-TTOP

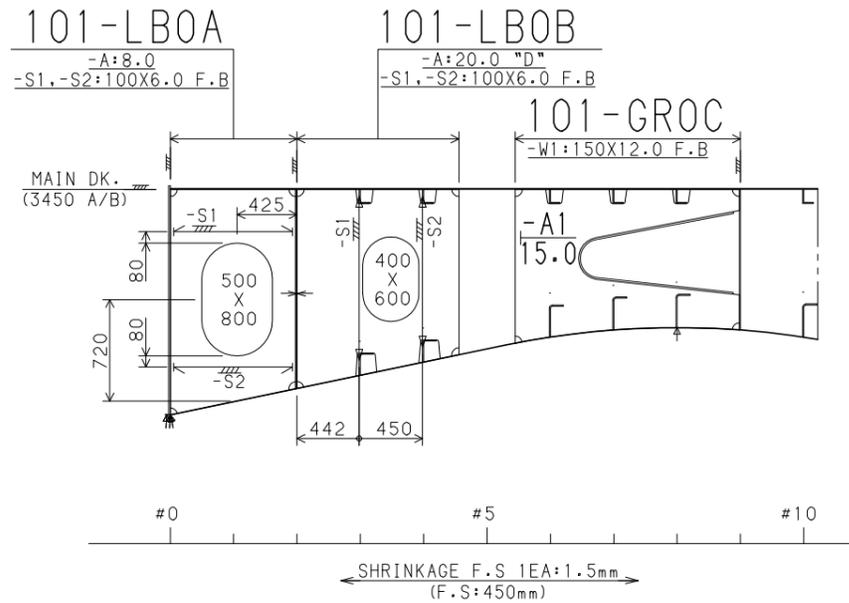
GMB

BLOCK NO.
PAGE

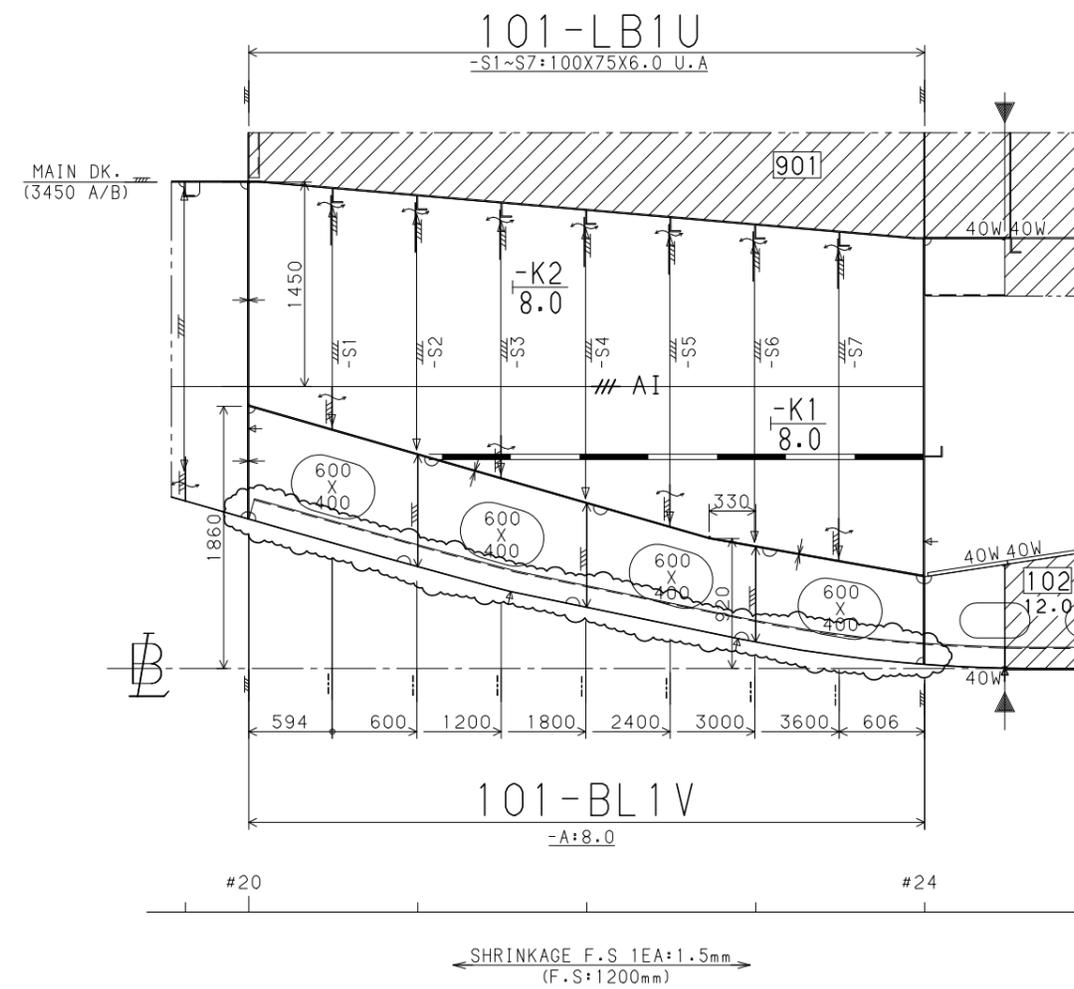
/

CENTER LINE ELEV.

3950 OFF C.L. ELEV. (P&S) SIM.

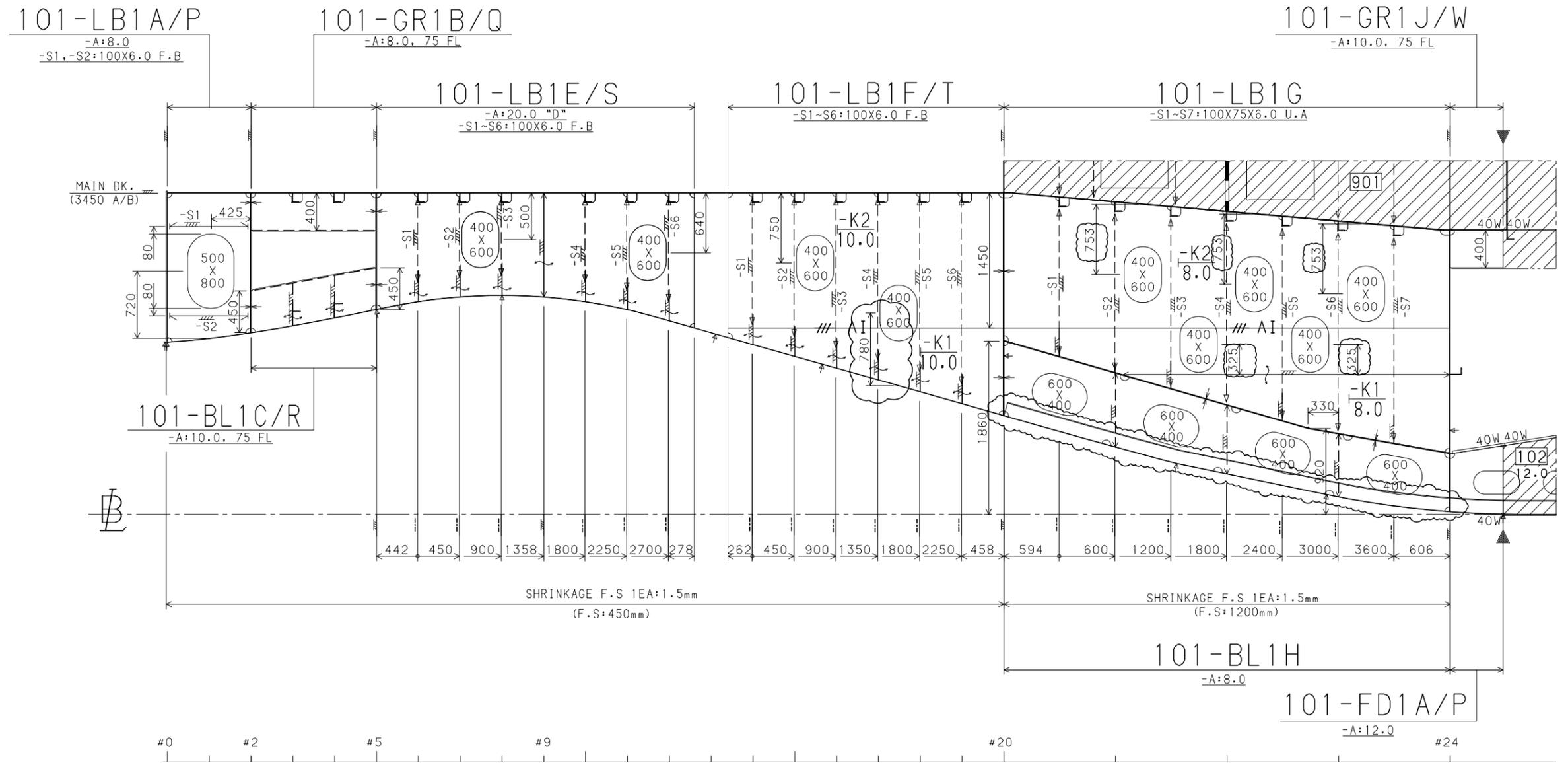


550 OFF C.L. ELEV. (S)



550 OFF C.L. ELEV. (P)

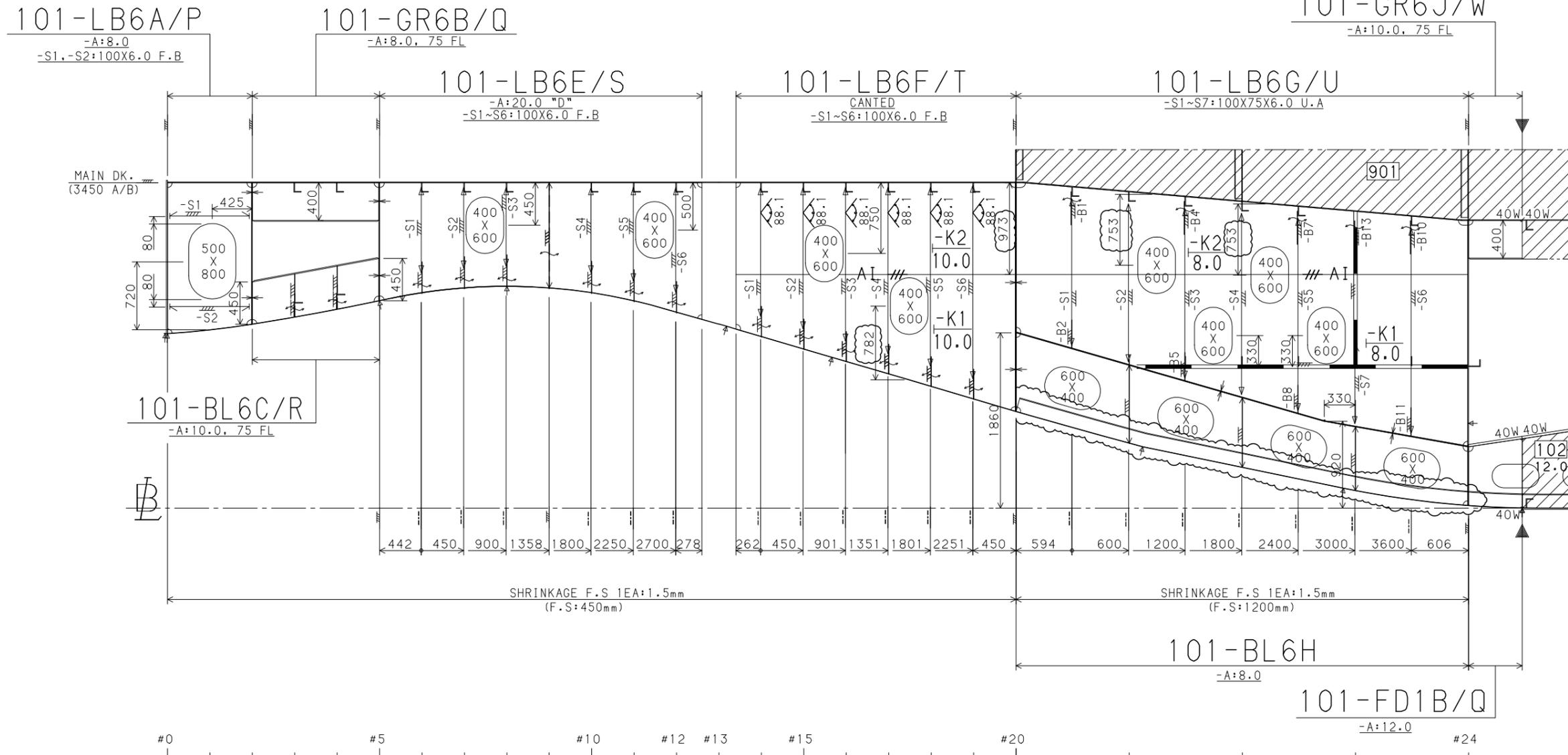
THE STB'D IS SIM. TO PORT (EX. AS SHOWN)



B101-32-550-ELEV

3400 OFF C.L. ELEV. (P&S)

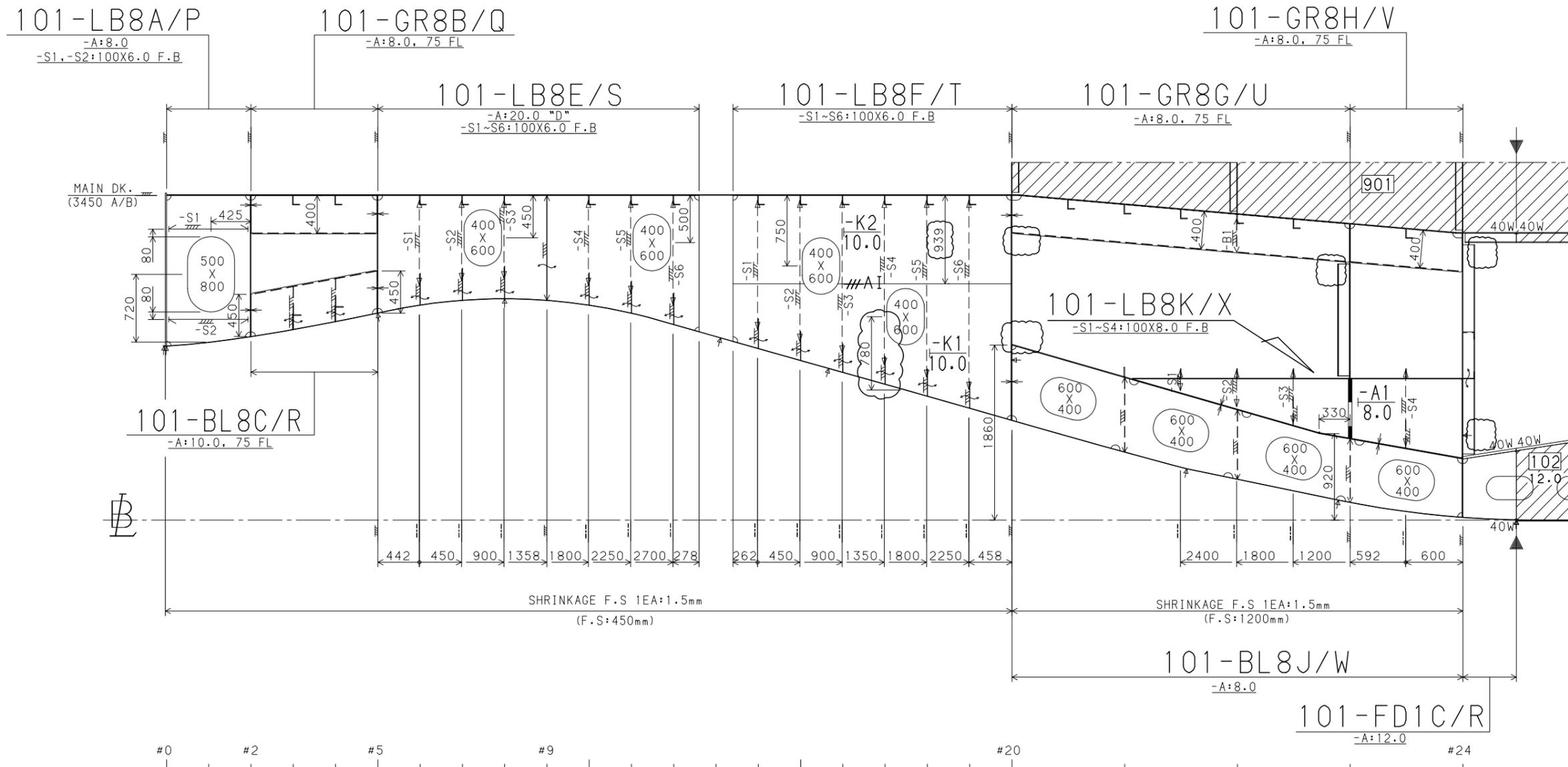
THE STB'D IS SIM. TO PORT (EX. AS SHOWN)



B101-33-3400-ELEV

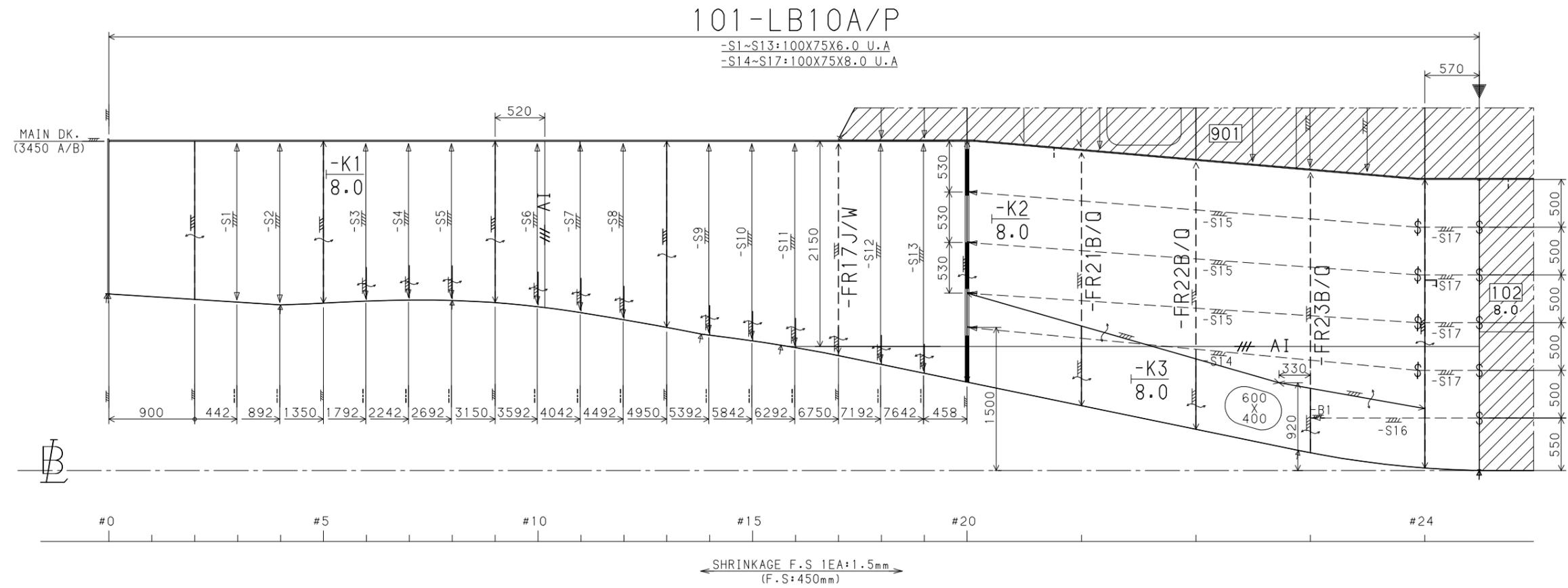
4500 OFF C.L. ELEV. (P&S)

THE STB'D IS SIM. TO PORT (EX. AS SHOWN)



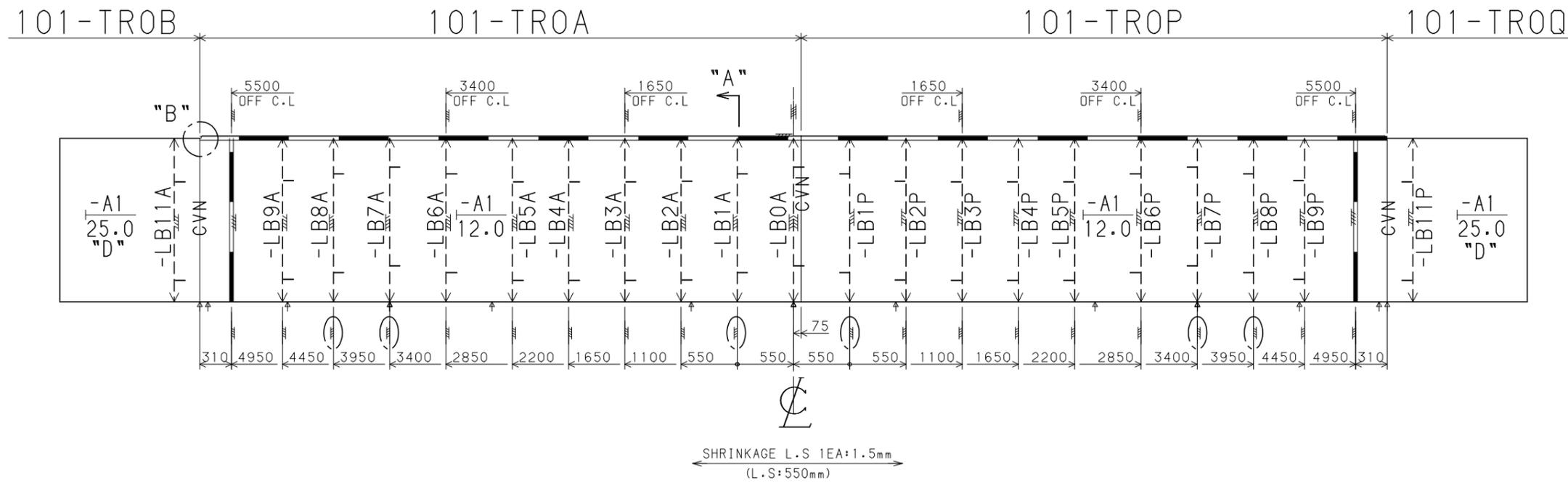
5500 OFF C.L. ELEV. (P&S)

THE STR'D IS SIM. TO PORT (EX. AS SHOWN)

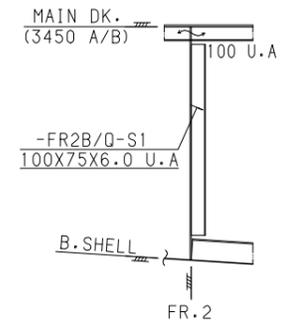


FR. 0 SEC.

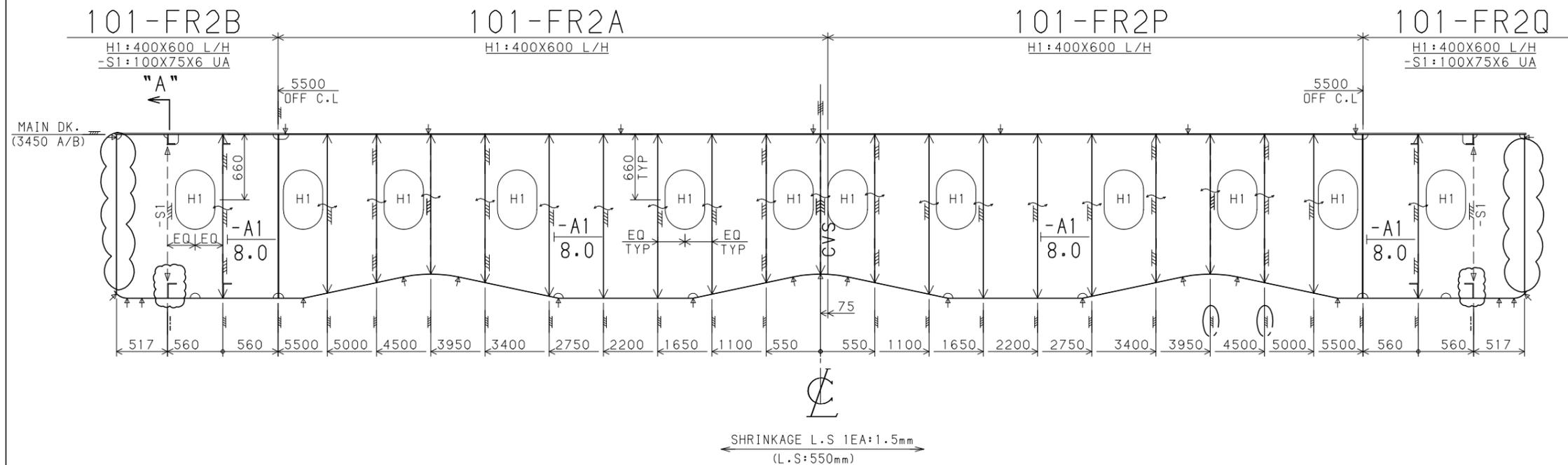
(TRANSOM)



"A" ELEV.



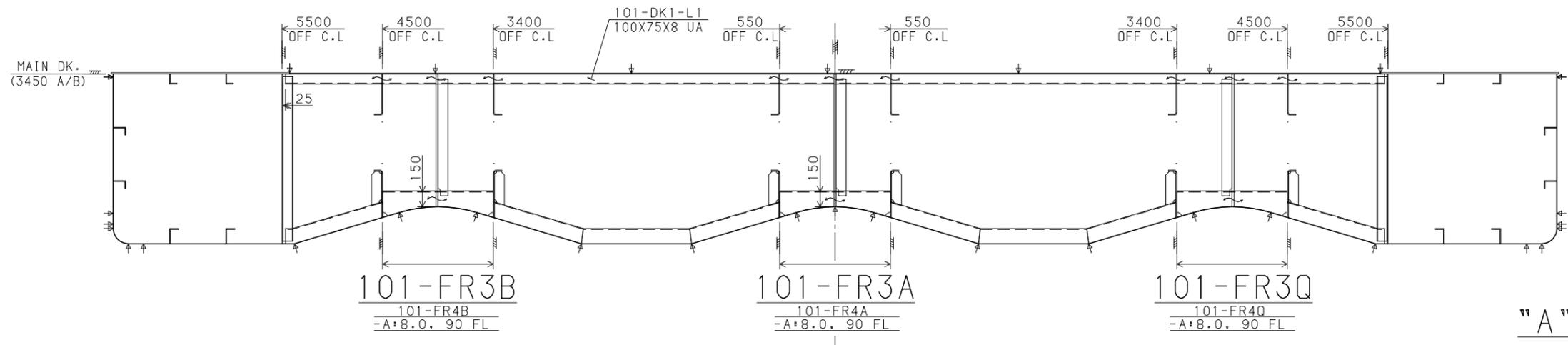
FR. 2 SEC.



B101-41-FR0-SEC

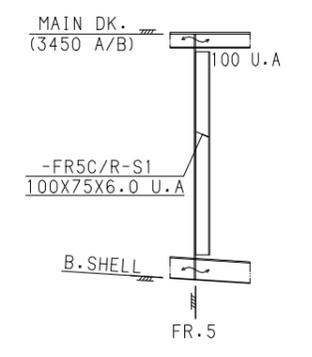
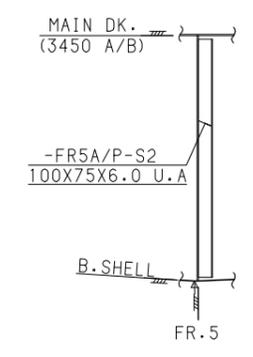
FR. 3 SEC.

FR. 4. SIM

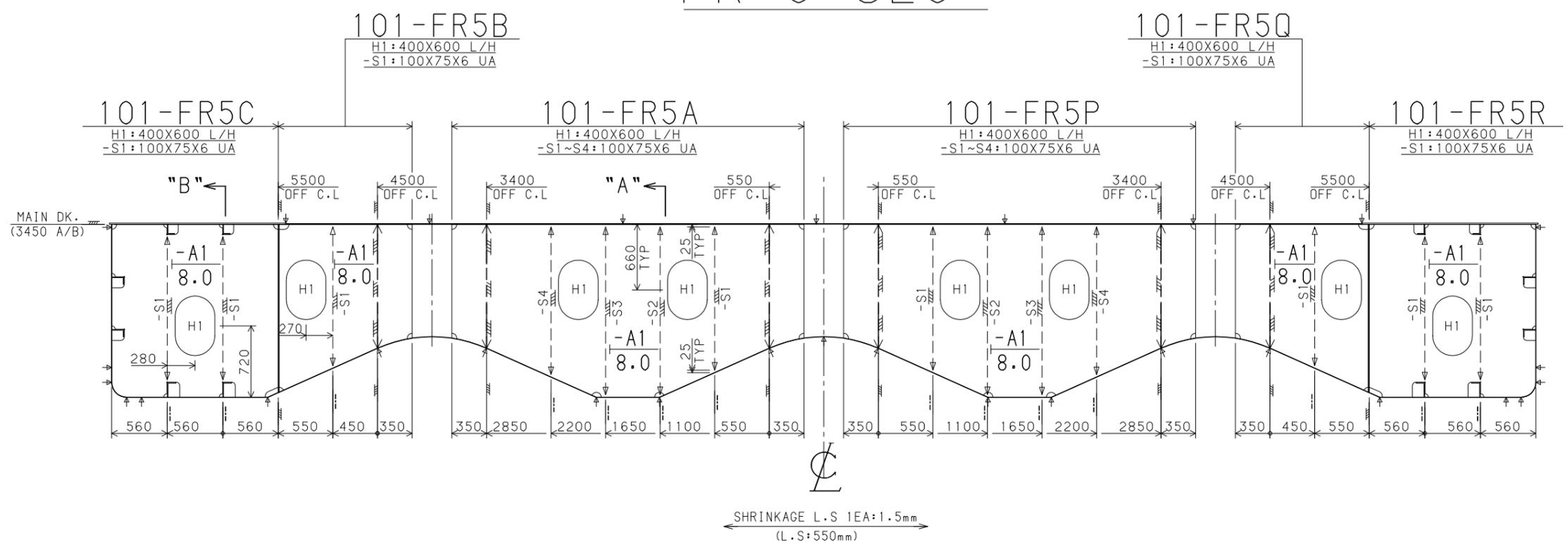


"A" ELEV.

"B" ELEV.



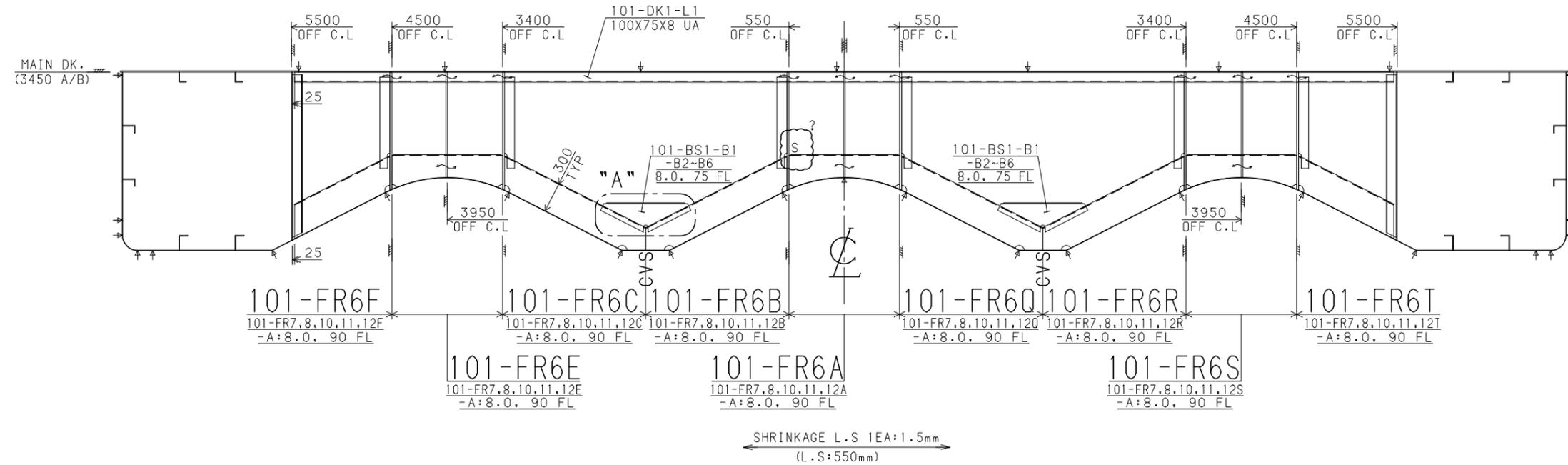
FR. 5 SEC.



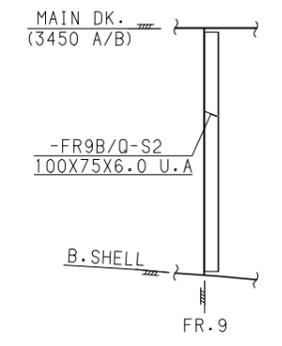
B101-42-FR3-SEC

FR. 6 SEC.

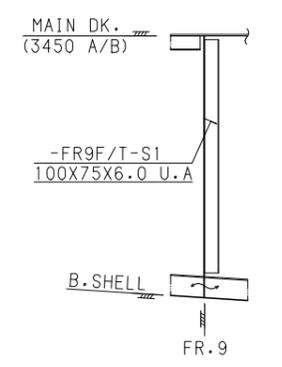
FR. 7, 8, 10, 11, 12 SIM



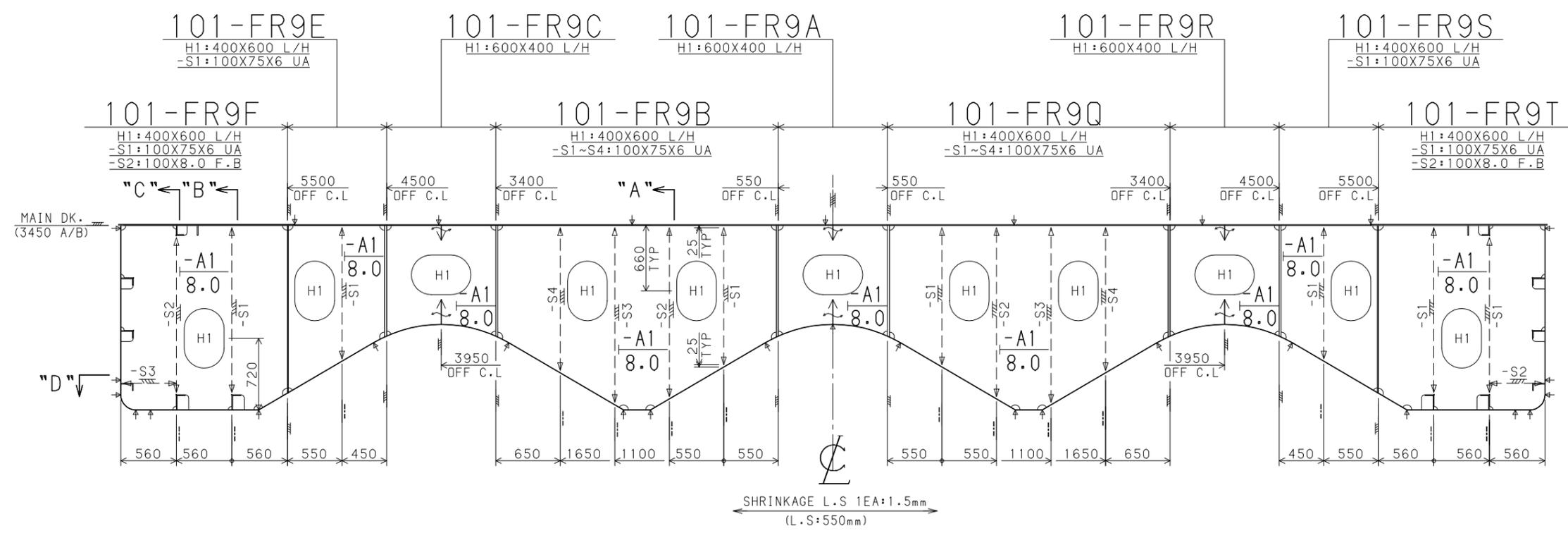
"A" ELEV.



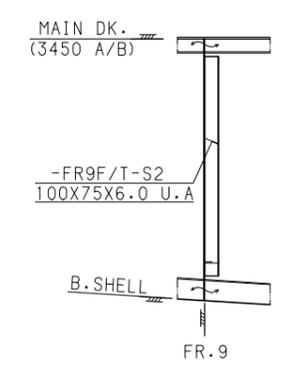
"B" ELEV.



FR. 9 SEC.

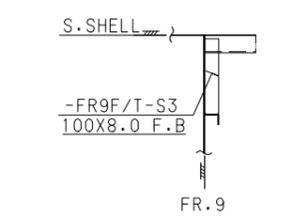


"C" ELEV.



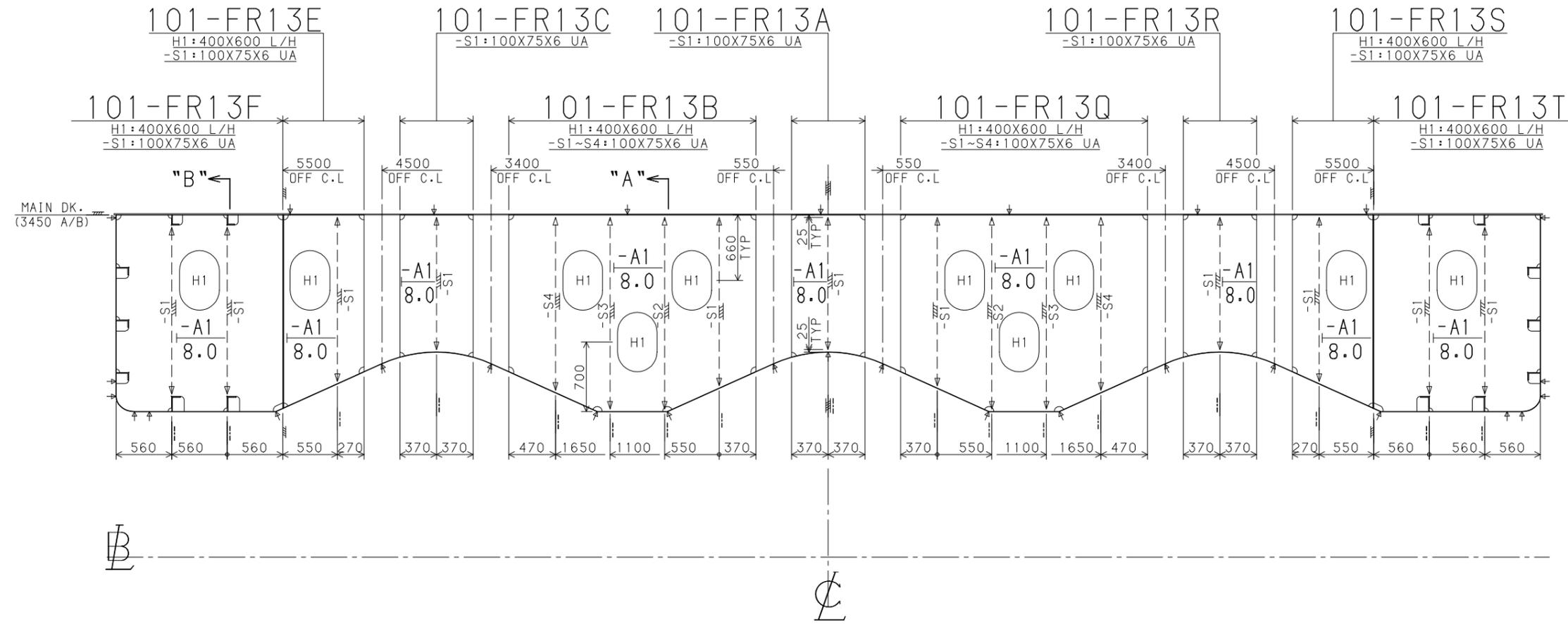
"D" PLAN

(1860 A/B)

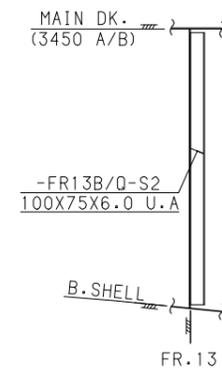


B101-43-FR6-SEC

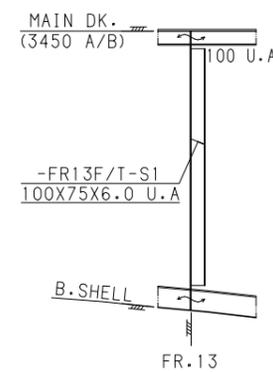
FR. 13 SEC.



"A" ELEV.

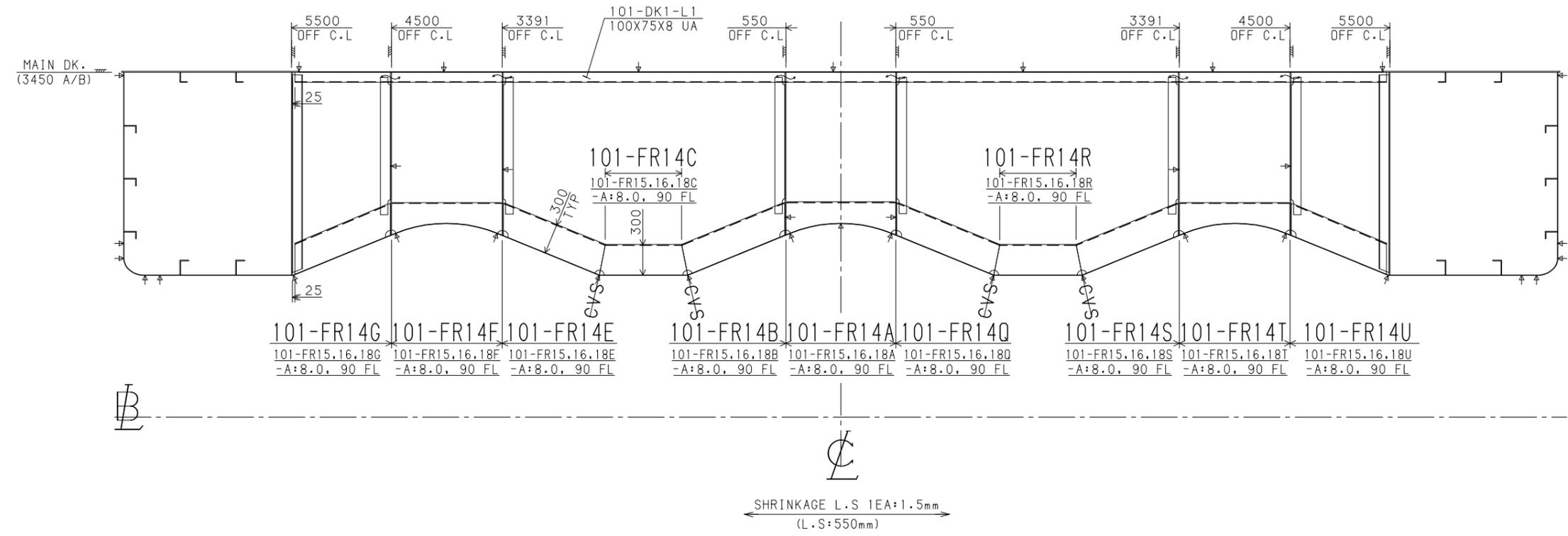


"B" ELEV.



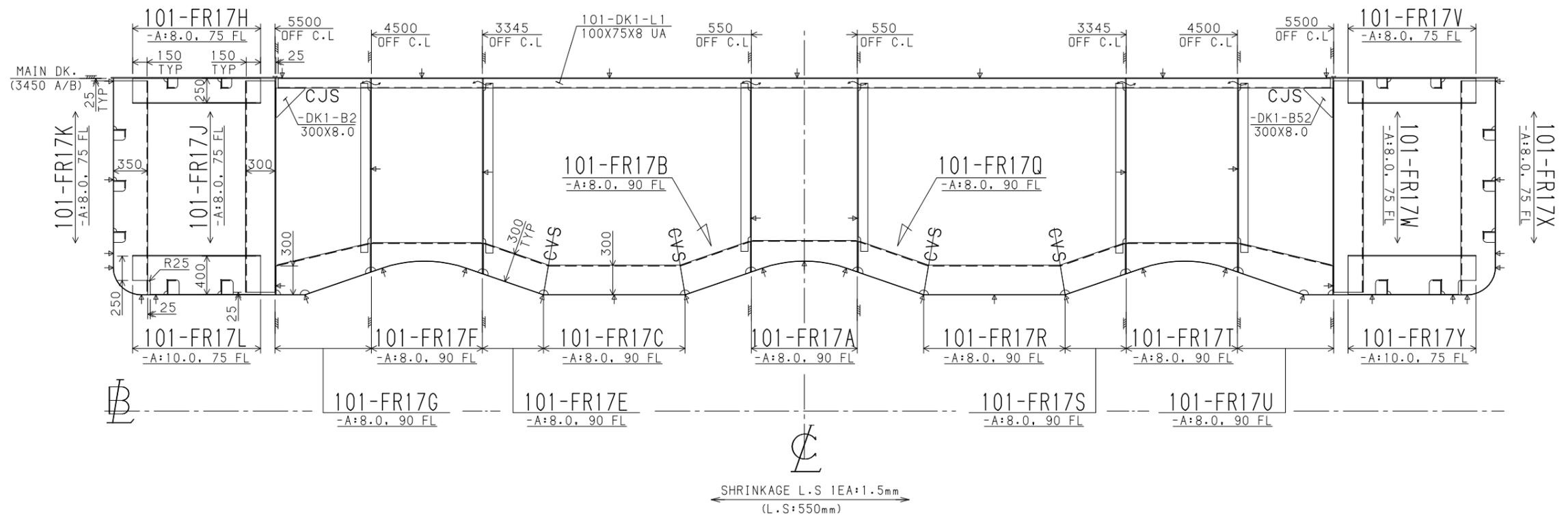
FR. 14 SEC.

FR.15.16.18 SIM



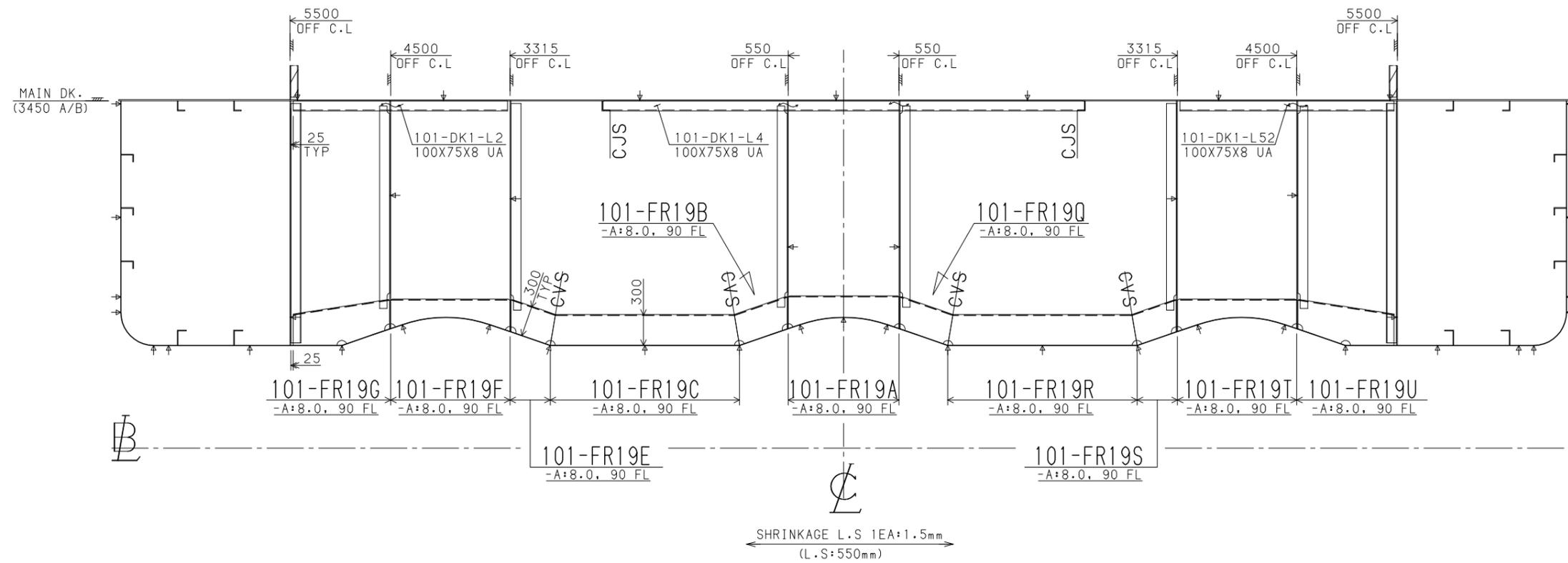
B101-45-FR14-SEC

FR. 17 SEC.

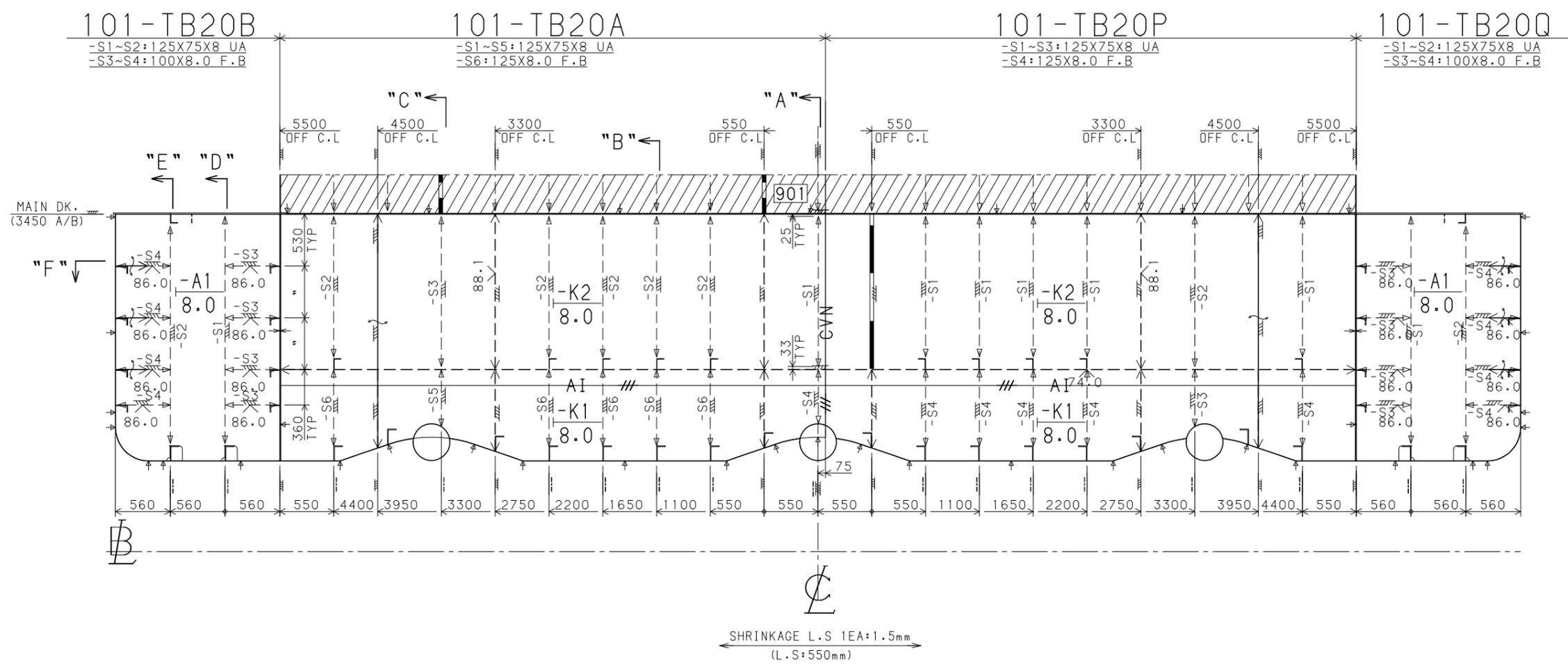


B101-46-FR17-SEC

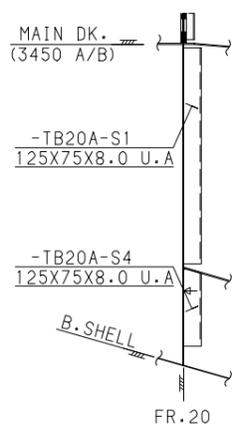
FR. 19 SEC.



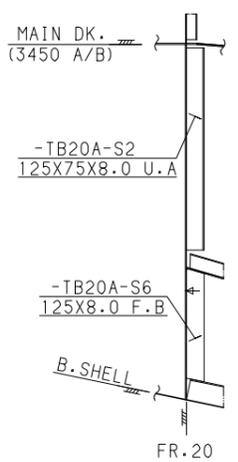
FR. 20 SEC.



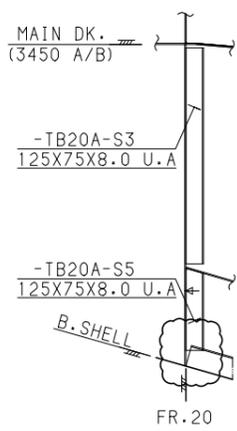
"A" ELEV.



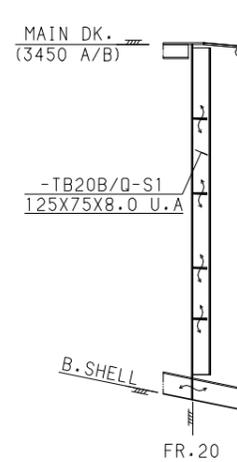
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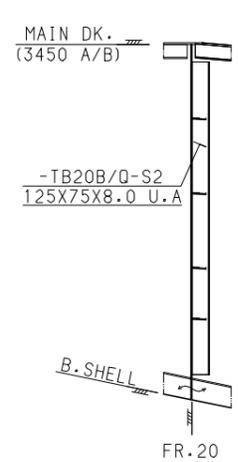
"C" ELEV.



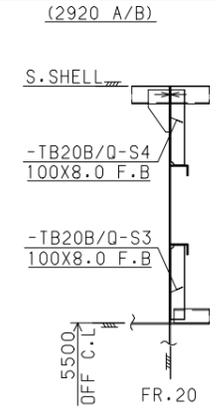
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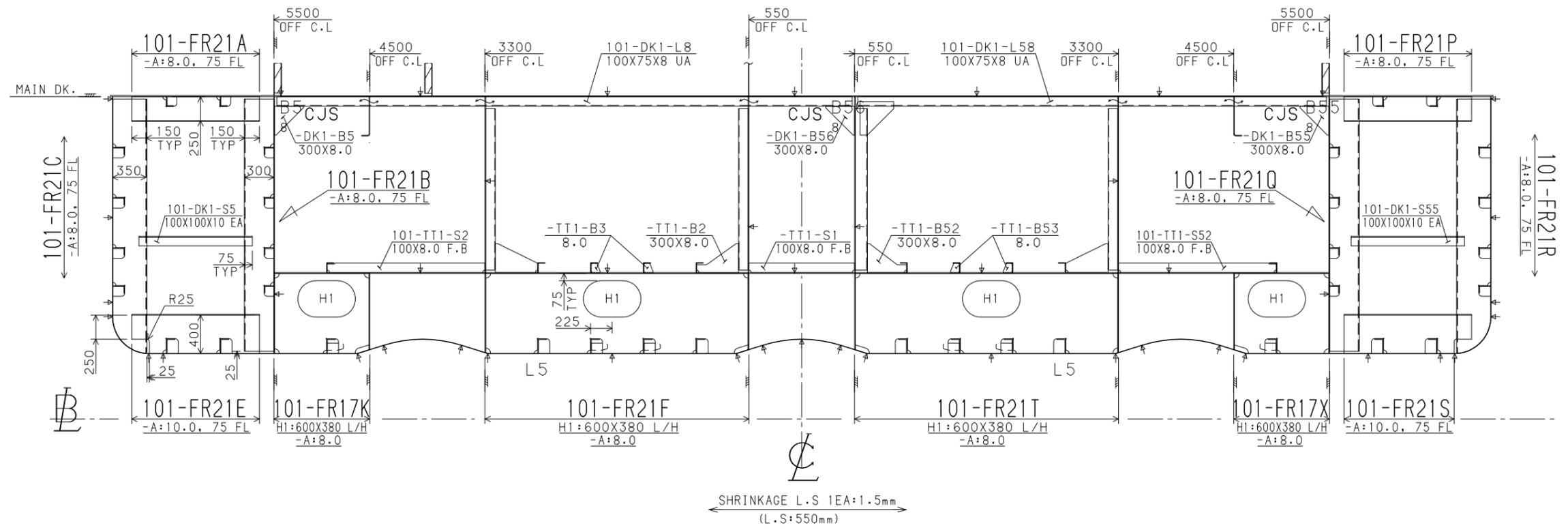
"E" ELEV.



"F" PLAN

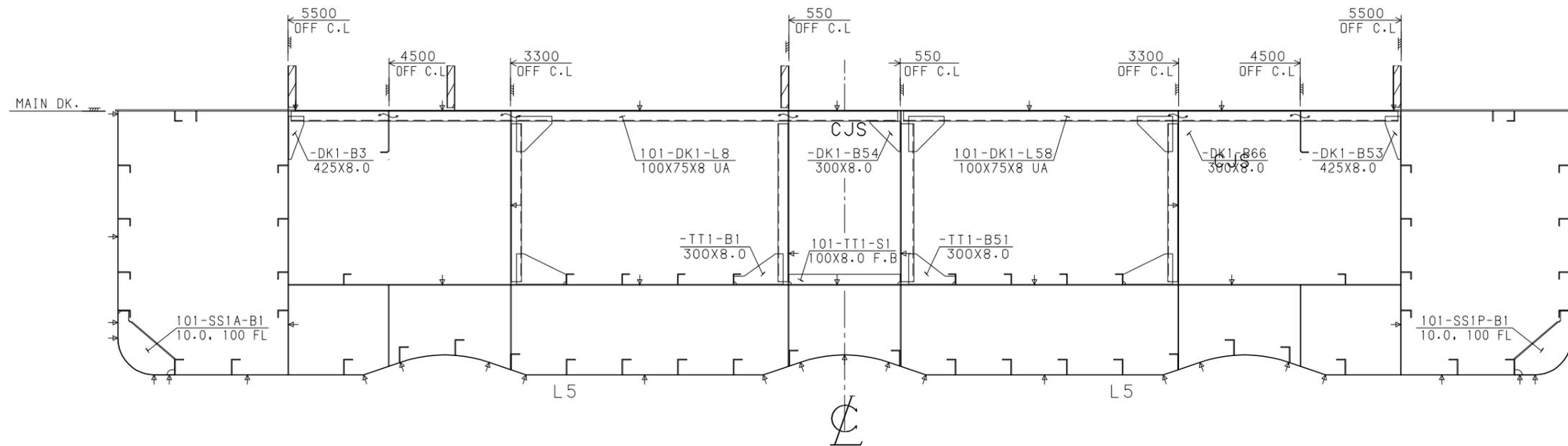


FR. 21 SEC.

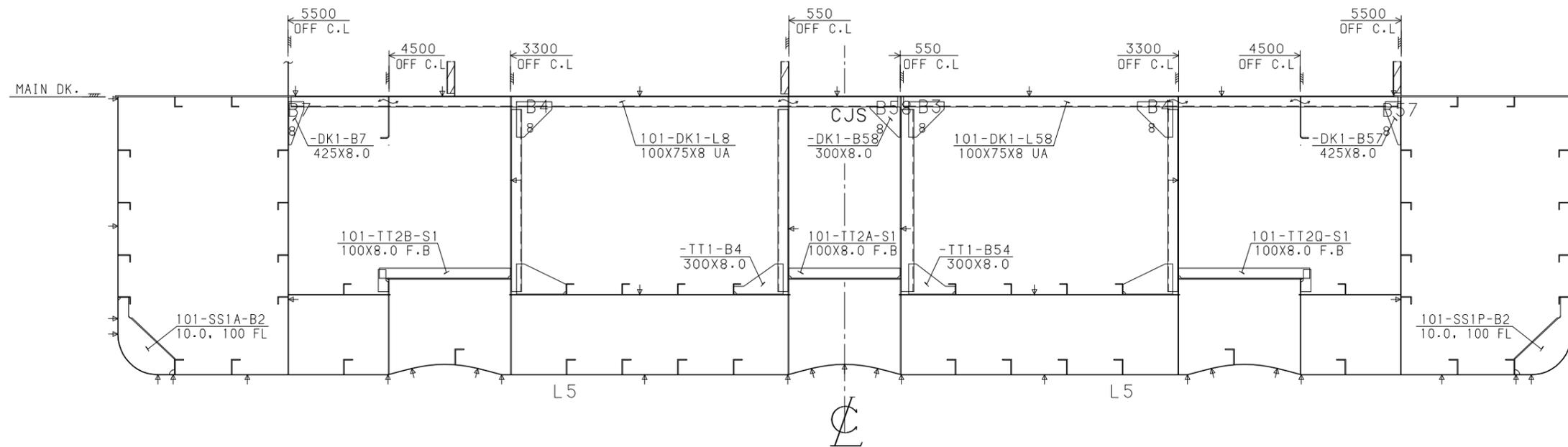


B101-49-FR21-SEC

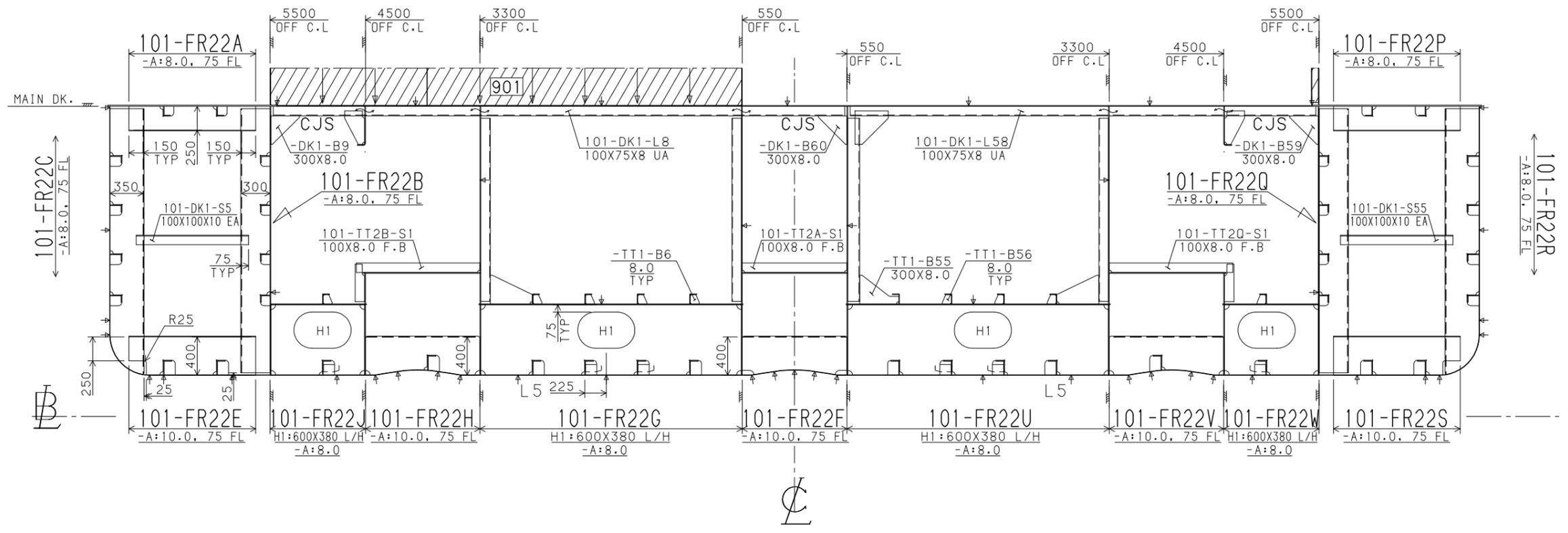
FR. 20+600 SEC.



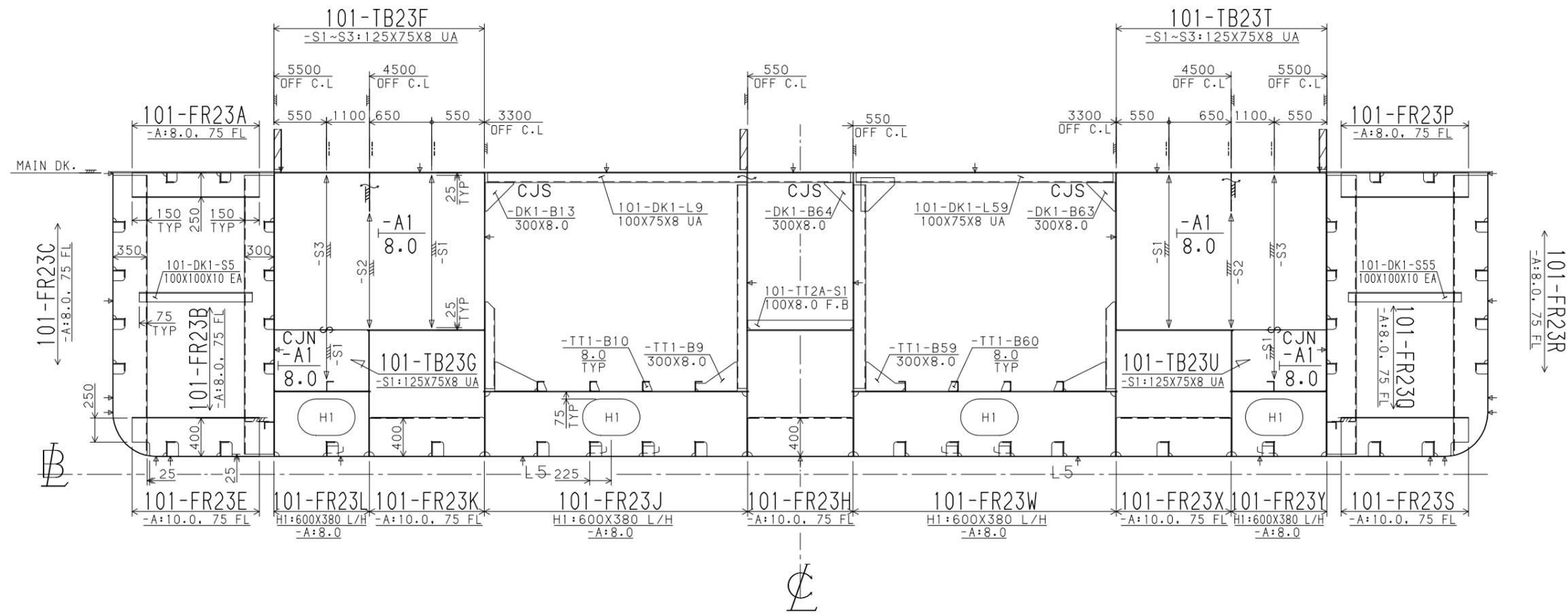
FR. 21+600 SEC.



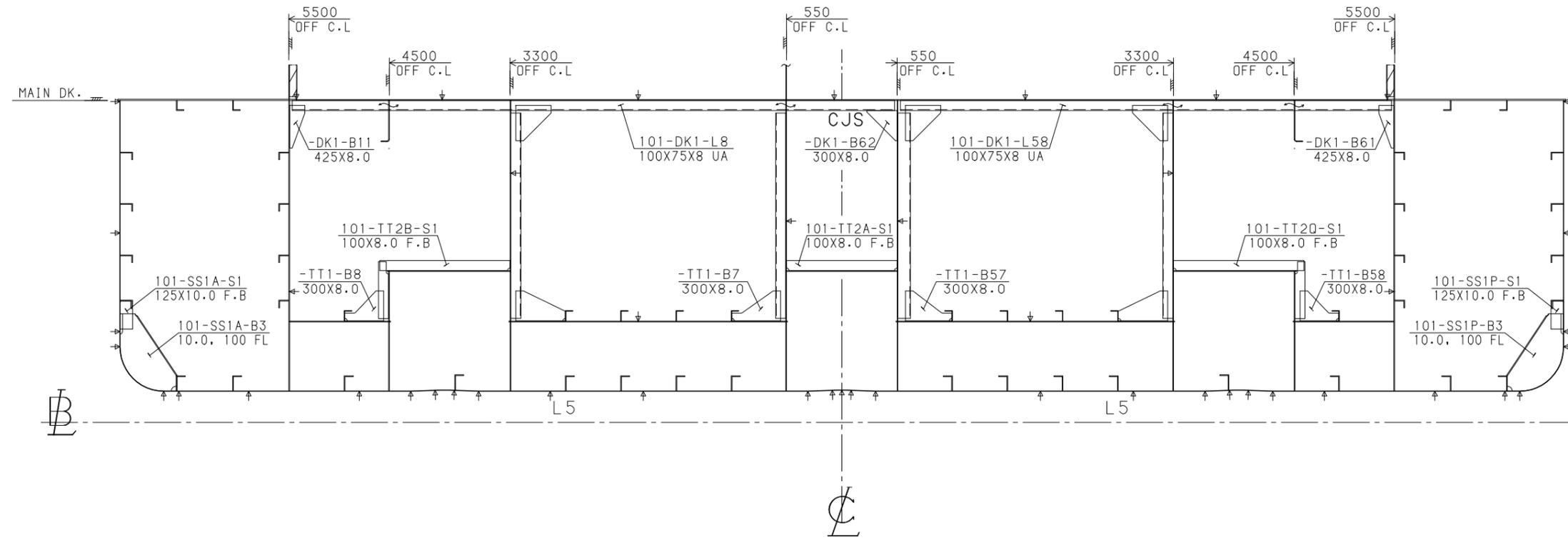
FR. 22 SEC.



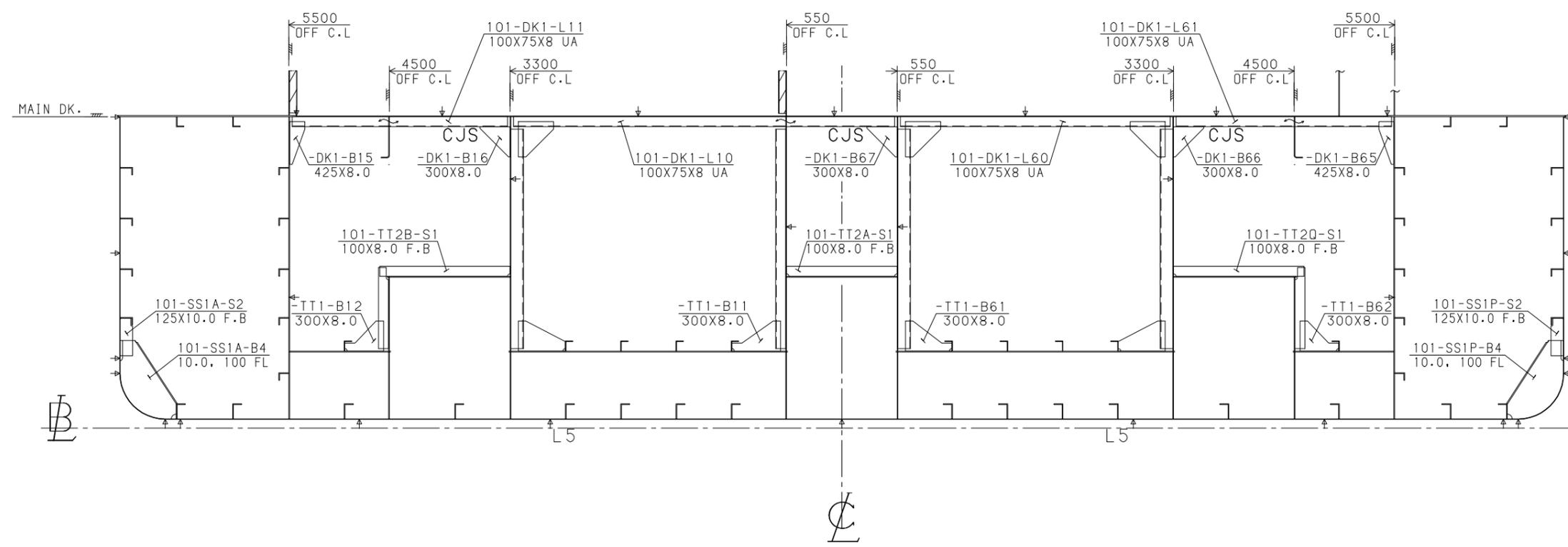
FR. 23 SEC.



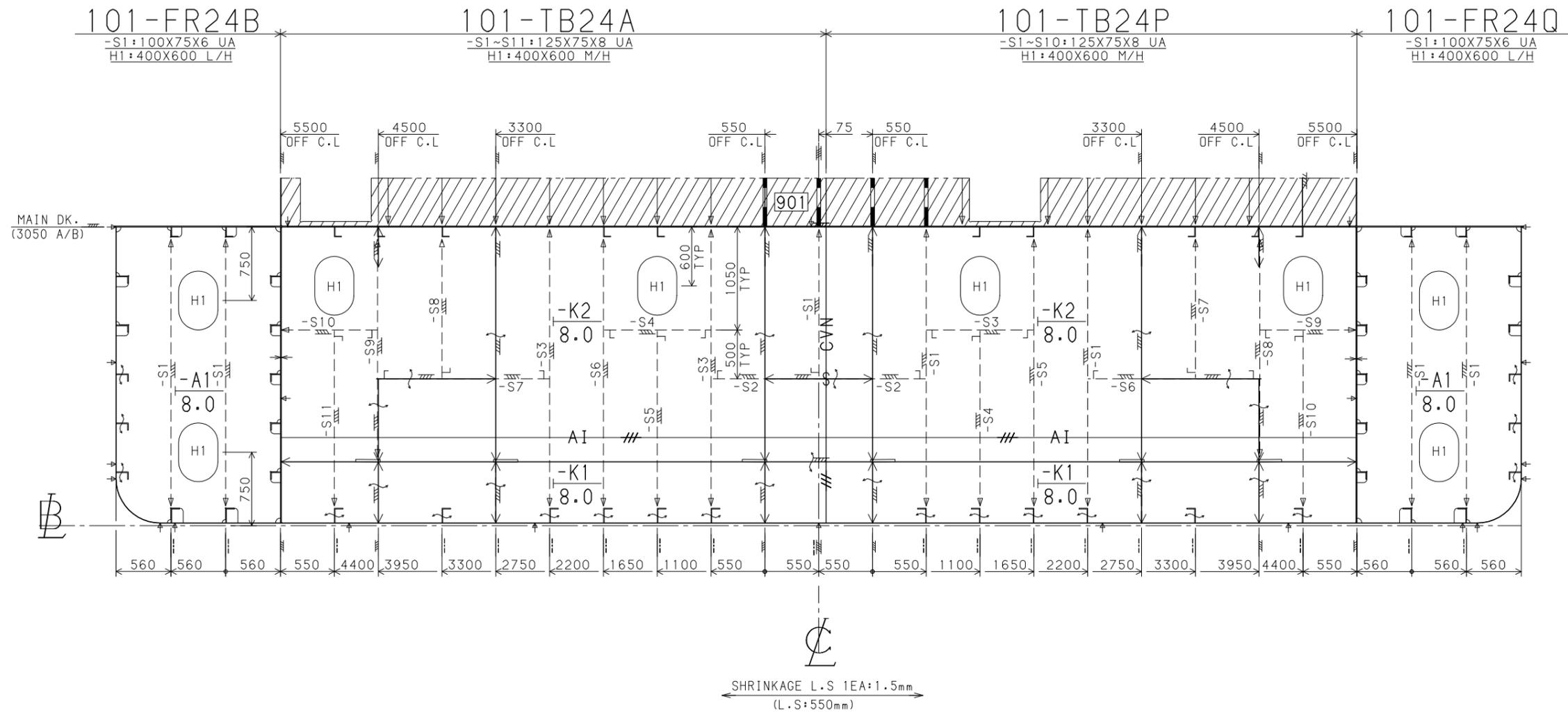
FR. 22+600 SEC.



FR. 23+600 SEC.



FR. 24 SEC.



B101-54-FR24-SEC