

PLAN HISTORY

| DATE | REV. NO. | DESCRIPTION | DRAWN | CHKD | APPRD |
|---------------|----------|--|----------------|-------|-------|
| 2022. 01. 04. | 0 | 8105/8106/8107호선, INT. LADDER (PASSAGE) 제작도면으로 작성함. | 김 현 진 | 황 규 성 | 김 동 휘 |
| 2022. 03. 17. | 001 | 8106/8107호선, INT. LADDER용 HANDRAIL VIEW 표기 수정 및 중량 수정 (PAGE : 06,08) | 김 현 진 이 철 우 | 황 규 성 | 김 동 휘 |

HYUNDAI SAMHO HEAVY INDUSTRIES

(주)한진기공

| PAINTING SPEC. | | | | | | PAINT SUPPLIER | | | | | | | | |
|----------------|-------------------|----------|-------------|-------|---|----------------|--------|---------------------|-------|--------------------|--------|--|---------|----------|
| PAINT'G SYMBOL | PAINT ITEM SYMBOL | MATERIAL | SHOP PRIMER | 표면 처리 | BRAND NAME OF PAINT AND ITS COLOR SHADE | T (M) | REMARK | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | ITEM | | IN SIDE & OUT SIDE | | | IN SIDE | OUT SIDE |
| | | | | | | | | | FINAL | SHOP PRIMER | PRIMER | | | |
| | | | | | | | | 외주 MAKER PAINT 시공범위 | | | | | | |

HYUNDAI SAMHO HEAVY INDUSTRIES CO., LTD.

A3 (420x297)

NOTE

1. 본도는 INT. LADDER (PASSAGE) 제작 및 설치도면임.

2. 모서리 부분은 하기와 같이 그라인딩 할 것.

PSPC 의장품 그라인딩 (3P)

WEATHER 의장품 그라인딩 (RC)

일반 의장품 그라인딩 (C)

Min. 2mm

Min. 2mm

1회

2회

3회

Burr 제거

Burr 제거

1회

2회

3회

abt. 1mm

1회

3. 용접은 특기의 하기표 참조하여 연속 용접 할 것.

* 필렛의 용접각장은 아래를 따를 것.

| 재료의 두께 | 4.5 | 6 | 7~8 | 9~10 | 11~12 | 13 | 14~15 | 16~18 | 19~20 |
|--------|-----|---|-----|------|-------|----|-------|-------|-------|
| 용접 각장 | 3 | 4 | 4.5 | 5 | 5.5 | 6 | 7 | 7.5 | 9 |

4. 제작시 DECK 상의 SHEER (S:) 와 캠버(CAMBER) (C:) 필히 적용 할 것.

SHEER :

CAMBER :

FWD

INBOARD (TO)

5. 한 도면에서 서로 상이부분이 있거나 제작상 문제점 발생시 필히 당부와 협의/확정 후 제작 완료 할 것.

6. 본 도면상에 표기된 자재중 SS400, 단조품(SF자재) 및 용접되는 주강품(SC42) 은 탄소(C) 함유량이 0.23% 이하가 되어야함에 유의 할 것. (자재 MILL SHEET 제출요)

또한, 주강품은 용접시 예열(200℃)한 후 용접하여 용접균열을 방지할 것.

7. 볼트 길이는 너트 체결후 약 2~3 산이 남도록 할 것.

8. 이름/경고판 시공기준 : 모든 이름/경고판은 전면에 페인트나 신나에 녹지않는 비닐테이프를 부착한 상태로 뒤집어 조립하고, 그 후면에 도어 또는 밴트(VENT) 이름을 매직펜으로 기록하여 입력하고, 야드에서 정방향 설치시 나사산의 위치가 불일치 되지 않도록 구멍의 간격을 잘 유지하여 입고 할 것. (이름, 경고판 재질: SUS316 & SUS316 SCREW BOLT)

9. 그리스 니뷸 : JIS B 1575 A-PT1/8" BALL TYPE 러버 캡을 씌울것.[재질: -]


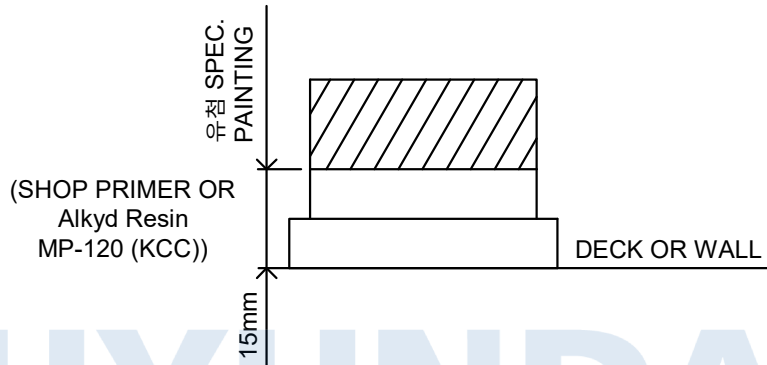






10. P.O.R NO: JPE

11. TOTAL WEIGHT : 2169.5 KG/SHIP

(12 SHEETS WITH COVER)

| DEP'T. | SHIP NO. | SHIP TYPE |
|---|--------------------|-----------------------------------|
| B126 | 8105 / 8106 / 8107 | 174,000 CBM CLASS LNGC |
| TEL. 4569 | 부 서 명 선 장 설 계 부 | 도 면 명 |
| 승 인 김 동 휘 검 도 김 유 만 작 성 김 현 진 | | MFG. OF LADDER (PASSAGE) 제 작 도 |
| <div><div></div><div>Hyundai Samho Heavy Industries Co., Ltd Samho Shipyard Korea</div></div> | | 도 면 번 호 D36P0-C26-561G - 001 |
| | | 날 짜 2022. 01. 04 |

08105-D36P0C26561G-01-01R

|  | 제작사양서 (외주구매용) | 제품품별 납기 LIST | | | | | | SHIP NO. | 8105/ 8016/ 8107 | | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|--------------|----------|-------|-------|----------|-----------------|------------|------------------|-----------------|--|-----|----|-------|----|---------|-----------------|----|---|------|--|----|-------|----|---------|-----------------|----|---|------|--|----|-------|----|---------|-----------------|----|---|-------|--|----|-------|----|---------|-----------------|----|---|-------|--|----|-------|----|----------|-----------------|----|---|------|--|----|-------|----|----------|-----------------|----|---|-------|--|----|-------|----|----------|-----------------|----|---|------|--|----|-------|----|----------|-----------------|----|---|-------|--|----|-------|----|----------|-----------------|----|---|------|--|----|-------|----|----------|-----------------|----|---|-------|---|----|-------|----|----------|-----------------|----|---|------|----|-------|----|----------|-----------------|----|---|-------|--|----|-------|----|----------|-----------------|----|---|------|--|----|-------|----|----------|-----------------|----|---|-------|--|----|-------|----|----------|-----------------|----|---|------|--|----|-------|----|----------|-----------------|----|---|-------|--|----|-------|----|---------|-----------------|----|---|------|--|----|-------|----|---------|-----------------|----|---|------|--|----|-------|----|---------|-----------------|----|---|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | DWG NO. | D36P0-C26-561G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>1. GALV. 두께 : HOT DIP GALV. 55~80μ (단, BOLT/NUT류는 45~65μ 시공)</div> <div>2. GREASE NIPPLE은 FULL GREASING하고 규정된 고무 CAP을 씌울 것.</div> <div>3. SS400이 아닌 재질의 BOLT/NUT는 재질을 PUNCHING 할 것.</div> <div>4. 도장 : 유첨 SPEC. 에 준하되 특히 DECK에 취부되는 부위는 DECK OR WALL에서 15mm까지는 SHOP PRIMER 시공 할 것.</div> <div>5. HOT-DIP GALV. : DECK/WALL 에서 취부되는 부위는 DECK/WALL에서 15mm까지는 ALKYD RESIN MP-120(KCC) COATING 하여 도금이 되지 않도록 할 것.</div> <div></div> <div>6. GALV. 용 HOLE 시공할 경우는 GALV. 후 메공하고 GALV. 손상부위 수정 후 입고 할 것.</div> <div>7. 납품시 P.O.R SHEET와 유첨도를 첨부 할 것.</div> <div>8. MAKER CERTIFICATE (특수재료는 MILL SHEET)를 첨부 할 것.</div> <div>9. 무도장으로 입고되는 품목으로서 그 품목의 일부분이 도금이 되어있는 경우는 SHOT BLASTING으로부터 도금부분이 훼손되지 않도록 보호 MASKING을 하여 입고 할 것. (단 도금표면에 다시 PAINTING하는 경우는 제외됨)</div> <div>10. 의장품 자재 PALLET 고박용 번선 및 고박 ITEM에 대한 묶음 WIRE(철사)는 필히 부식 방지용 COATING WIRE를 사용하여 입고 시킬 것.</div> <div>11. 의장품 자재 입고시 상,하,좌,우로 움직일 수 있는 항목들은 상기 10)번항에 의거하여 반드시 고박하여 입고할 것. (안전사고 사전 방지)</div> <div>12. 납품시 하기와 같은 TAG를 식별하기 쉬운 위치에 부착하여 입고 할 것. 1) 용접선 있는 자재는 용접선 부근 50mm 이내 PAINT MARKER 마킹 적용 (설치 후 은폐 도장작업 쉽게 하기 위함) 2) 용접선 없는 자재는 자재 인식표(TAG)또는 안티 울트라테이프에 마킹 후 부착 (자재 TAG 및 안티 울트라테이프 제거는 의장 1,2,3부에서 실시함) 3) 적용대상 : 강재로 제작되는 모든 철의장품 4) MARKING 방법 : SHIP NO., BLOCK NO., POR NO., MARKING(PC'S) NO.</div> <table><tr><th>P.O.R NO.</th><th>SEQ. NO.</th><th>BLOCK</th><th>STAGE</th><th>MARK NO.</th><th>DESCRIPTION</th><th>PAINT CODE</th><th>Q'TY /SHIP</th><th>WEIGHT (KG/SET)</th><th>설치부서</th></tr><tr><td rowspan="19">JPE</td><td>01</td><td>D31P0</td><td>C1</td><td>IL-P01P</td><td>INCLINED LADDER</td><td>P3</td><td>1</td><td>90.0</td><td></td></tr><tr><td>02</td><td>D31S0</td><td>C1</td><td>IL-P01S</td><td>INCLINED LADDER</td><td>P3</td><td>1</td><td>90.0</td><td></td></tr><tr><td>03</td><td>D37P0</td><td>C1</td><td>IL-P02P</td><td>INCLINED LADDER</td><td>P3</td><td>1</td><td>170.0</td><td></td></tr><tr><td>04</td><td>D37S0</td><td>C1</td><td>IL-P02S</td><td>INCLINED LADDER</td><td>P3</td><td>1</td><td>170.0</td><td></td></tr><tr><td>05</td><td>D32P0</td><td>C1</td><td>VL-P01AP</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>33.0</td><td></td></tr><tr><td>06</td><td>D32P0</td><td>C1</td><td>VL-P01BP</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>231.5</td><td></td></tr><tr><td>07</td><td>D40P0</td><td>CS</td><td>VL-P02AP</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>33.0</td><td></td></tr><tr><td>08</td><td>D40P0</td><td>CS</td><td>VL-P02BP</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>161.0</td><td></td></tr><tr><td>09</td><td>D35P0</td><td>C1</td><td>VL-P03AP</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>33.0</td><td></td></tr><tr><td>10</td><td>D35P0</td><td>C1</td><td>VL-P03BP</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>258.0</td><td rowspan="2"></td></tr><tr><td>11</td><td>D32S0</td><td>C1</td><td>VL-P04AS</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>33.0</td></tr><tr><td>12</td><td>D32S0</td><td>C1</td><td>VL-P04BS</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>231.5</td><td></td></tr><tr><td>13</td><td>D35S0</td><td>C1</td><td>VL-P05AS</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>27.5</td><td></td></tr><tr><td>14</td><td>D35S0</td><td>C1</td><td>VL-P05BS</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>256.0</td><td></td></tr><tr><td>15</td><td>D40S0</td><td>CS</td><td>VL-P06AS</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>27.5</td><td></td></tr><tr><td>16</td><td>D40S0</td><td>CS</td><td>VL-P06BS</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>166.0</td><td></td></tr><tr><td>17</td><td>D33S0</td><td>C1</td><td>VL-P07S</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>36.5</td><td></td></tr><tr><td>18</td><td>D40P0</td><td>CS</td><td>VL-P08P</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>61.0</td><td></td></tr><tr><td>19</td><td>D40S0</td><td>CS</td><td>VL-P08S</td><td>VERTICAL LADDER</td><td>P3</td><td>1</td><td>61.0</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <div>TOTAL WEIGHT : 2099.5 KG/SHIP</div> | | P.O.R NO. | SEQ. NO. | BLOCK | STAGE | MARK NO. | DESCRIPTION | PAINT CODE | Q'TY /SHIP | WEIGHT (KG/SET) | 설치부서 | JPE | 01 | D31P0 | C1 | IL-P01P | INCLINED LADDER | P3 | 1 | 90.0 | | 02 | D31S0 | C1 | IL-P01S | INCLINED LADDER | P3 | 1 | 90.0 | | 03 | D37P0 | C1 | IL-P02P | INCLINED LADDER | P3 | 1 | 170.0 | | 04 | D37S0 | C1 | IL-P02S | INCLINED LADDER | P3 | 1 | 170.0 | | 05 | D32P0 | C1 | VL-P01AP | VERTICAL LADDER | P3 | 1 | 33.0 | | 06 | D32P0 | C1 | VL-P01BP | VERTICAL LADDER | P3 | 1 | 231.5 | | 07 | D40P0 | CS | VL-P02AP | VERTICAL LADDER | P3 | 1 | 33.0 | | 08 | D40P0 | CS | VL-P02BP | VERTICAL LADDER | P3 | 1 | 161.0 | | 09 | D35P0 | C1 | VL-P03AP | VERTICAL LADDER | P3 | 1 | 33.0 | | 10 | D35P0 | C1 | VL-P03BP | VERTICAL LADDER | P3 | 1 | 258.0 |  | 11 | D32S0 | C1 | VL-P04AS | VERTICAL LADDER | P3 | 1 | 33.0 | 12 | D32S0 | C1 | VL-P04BS | VERTICAL LADDER | P3 | 1 | 231.5 | | 13 | D35S0 | C1 | VL-P05AS | VERTICAL LADDER | P3 | 1 | 27.5 | | 14 | D35S0 | C1 | VL-P05BS | VERTICAL LADDER | P3 | 1 | 256.0 |  | 15 | D40S0 | CS | VL-P06AS | VERTICAL LADDER | P3 | 1 | 27.5 | | 16 | D40S0 | CS | VL-P06BS | VERTICAL LADDER | P3 | 1 | 166.0 | | 17 | D33S0 | C1 | VL-P07S | VERTICAL LADDER | P3 | 1 | 36.5 | | 18 | D40P0 | CS | VL-P08P | VERTICAL LADDER | P3 | 1 | 61.0 | | 19 | D40S0 | CS | VL-P08S | VERTICAL LADDER | P3 | 1 | 61.0 | | | | | | | | | | | | | | | | | | | | | |
| | | P.O.R NO. | SEQ. NO. | BLOCK | STAGE | MARK NO. | DESCRIPTION | PAINT CODE | Q'TY /SHIP | WEIGHT (KG/SET) | 설치부서 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | JPE | 01 | D31P0 | C1 | IL-P01P | INCLINED LADDER | P3 | 1 | 90.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 02 | D31S0 | C1 | IL-P01S | INCLINED LADDER | P3 | 1 | 90.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 03 | D37P0 | C1 | IL-P02P | INCLINED LADDER | P3 | 1 | 170.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 04 | D37S0 | C1 | IL-P02S | INCLINED LADDER | P3 | 1 | 170.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 05 | D32P0 | C1 | VL-P01AP | VERTICAL LADDER | P3 | 1 | 33.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 06 | D32P0 | C1 | VL-P01BP | VERTICAL LADDER | P3 | 1 | 231.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 07 | D40P0 | CS | VL-P02AP | VERTICAL LADDER | P3 | 1 | 33.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 08 | D40P0 | CS | VL-P02BP | VERTICAL LADDER | P3 | 1 | 161.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 09 | D35P0 | C1 | VL-P03AP | VERTICAL LADDER | P3 | 1 | 33.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 10 | D35P0 | C1 | VL-P03BP | VERTICAL LADDER | P3 | 1 | 258.0 |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 11 | D32S0 | C1 | VL-P04AS | VERTICAL LADDER | P3 | 1 | 33.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 12 | D32S0 | C1 | VL-P04BS | VERTICAL LADDER | P3 | 1 | 231.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 13 | D35S0 | C1 | VL-P05AS | VERTICAL LADDER | P3 | 1 | 27.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 14 | D35S0 | C1 | VL-P05BS | VERTICAL LADDER | P3 | 1 | 256.0 |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 15 | D40S0 | CS | VL-P06AS | VERTICAL LADDER | P3 | 1 | 27.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 16 | D40S0 | CS | VL-P06BS | VERTICAL LADDER | P3 | 1 | 166.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 17 | D33S0 | C1 | VL-P07S | VERTICAL LADDER | P3 | 1 | 36.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 18 | D40P0 | CS | VL-P08P | VERTICAL LADDER | P3 | 1 | 61.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 19 | D40S0 | CS | VL-P08S | VERTICAL LADDER | P3 | 1 | 61.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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설계부/선장설계3과

DETAIL OF INCLINED LADDER (IL-P01P/S)

SHIP NO. 8105/8106/8107 02

DWG NO. D36P0-C26-561G

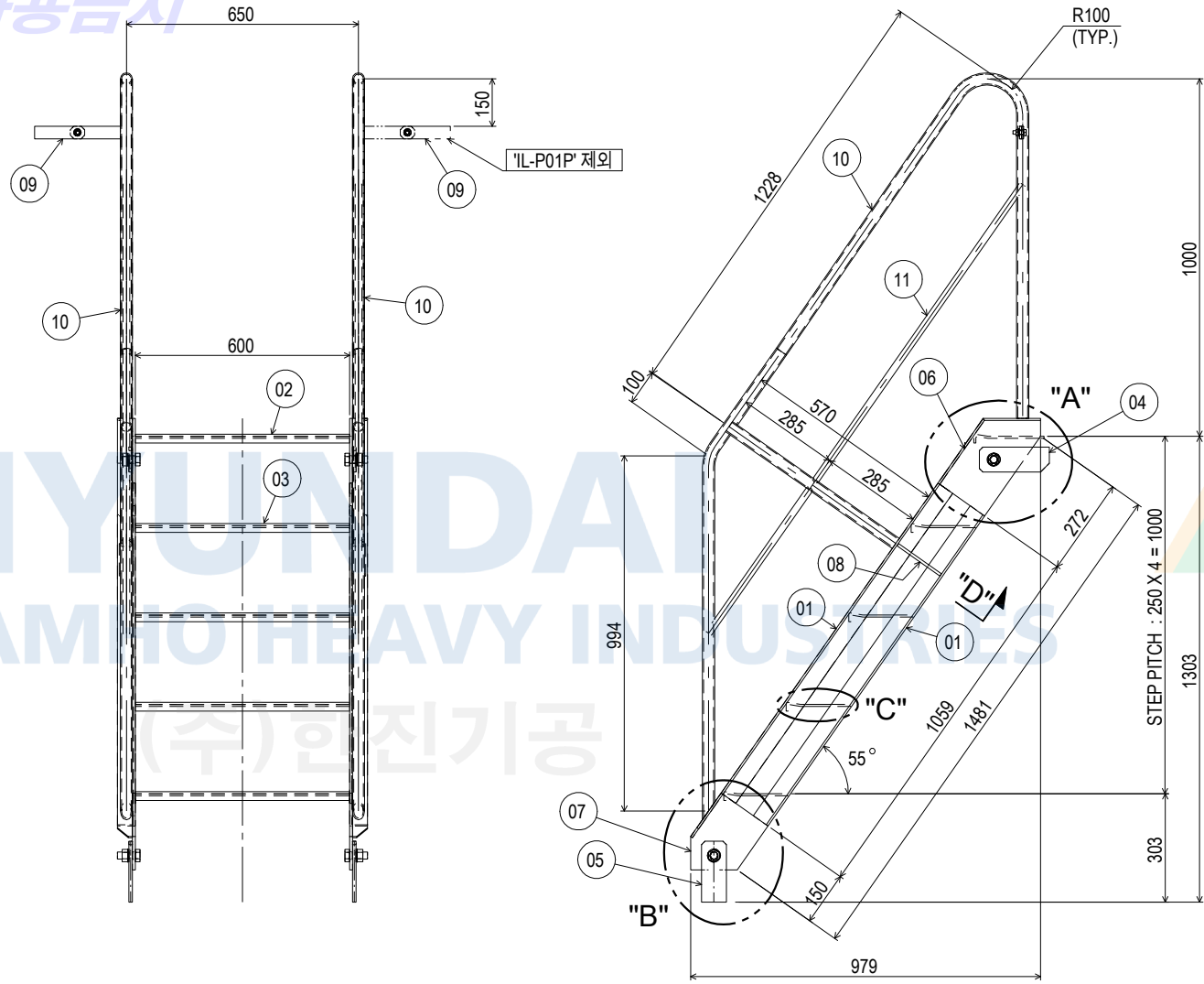
김현진/책임엔지니어/4569

이면지 사용금지

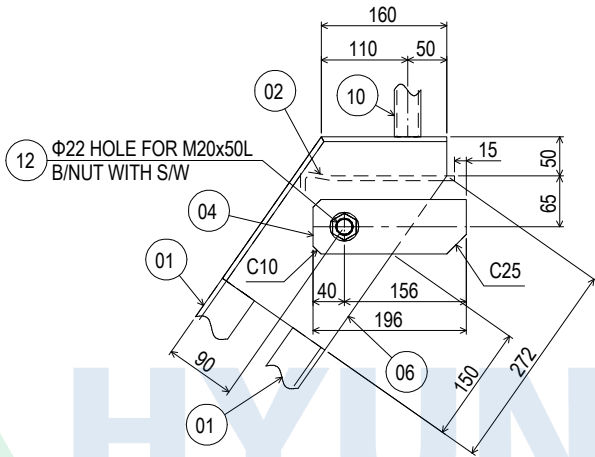
| BLOCK NO. | MARK NO. | Q'TY | WEIGHT(KG) | REMARK |
|-----------|----------|------|------------|--------|
| D31P0 | IL-P01P | 1 | 90.0 | 본도 제작 |
| D31S0 | IL-P01S | 1 | 90.0 | 본도 제작 |

설치 BLOCK

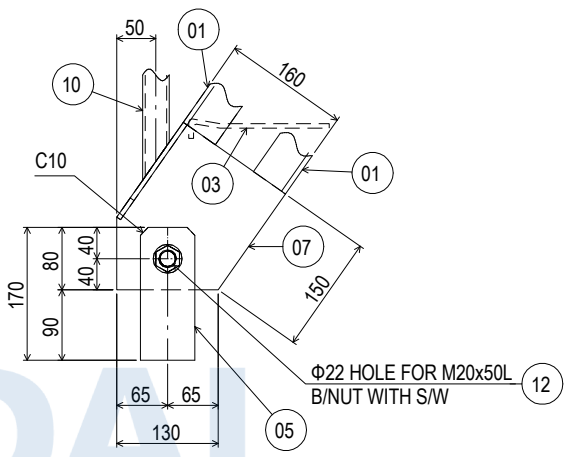
D31P0
D31S0



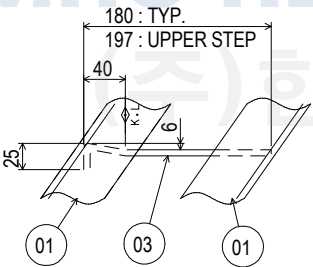
DET. OF "A"



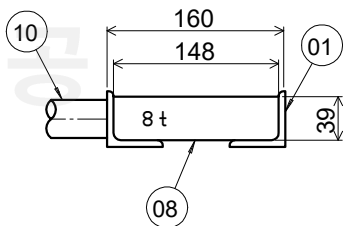
DET. OF "B"



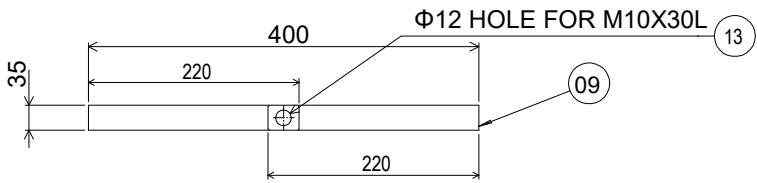
DET. OF "C"



VIEW - "D"

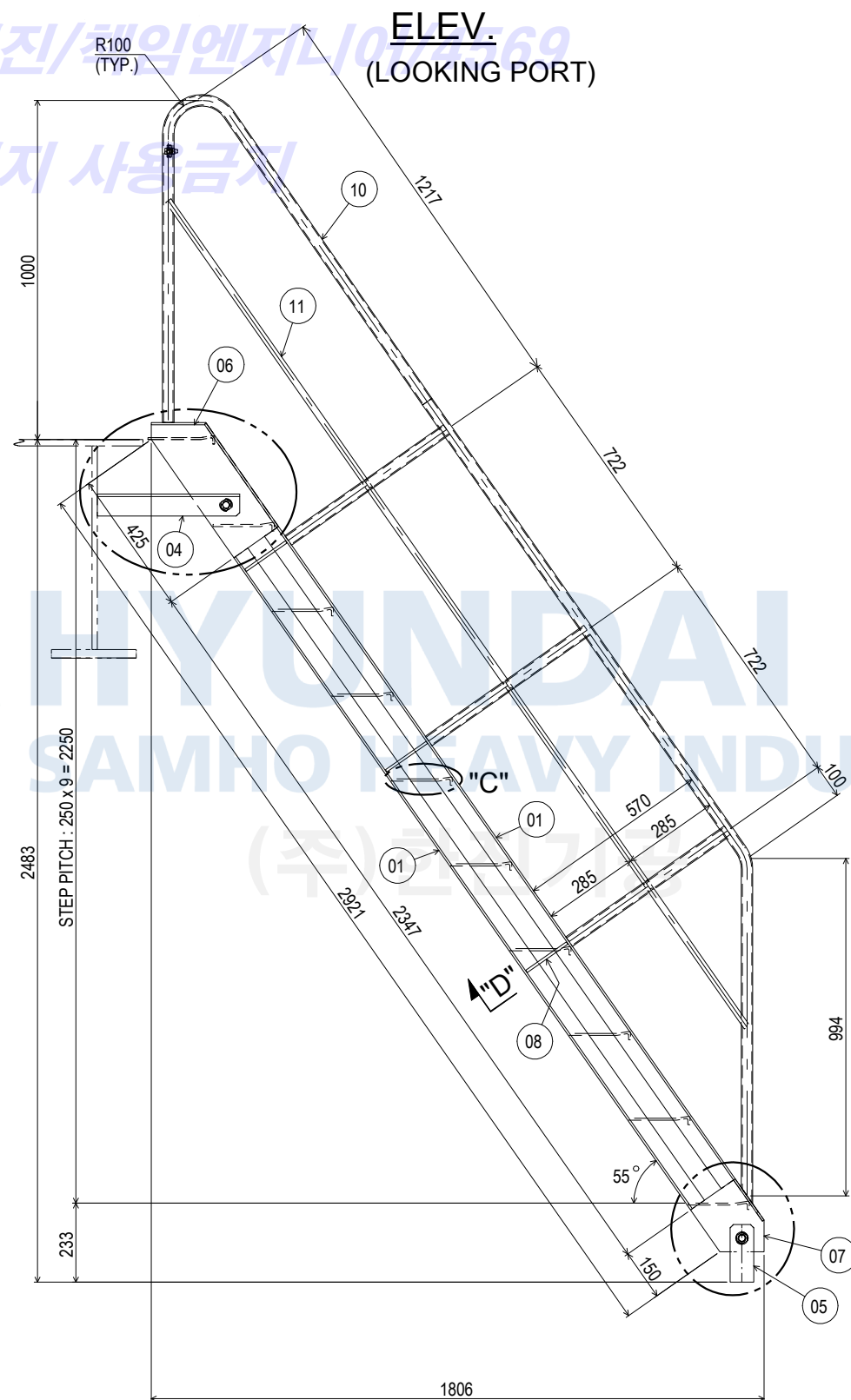


DET. OF ANTI-VIB. PIECE

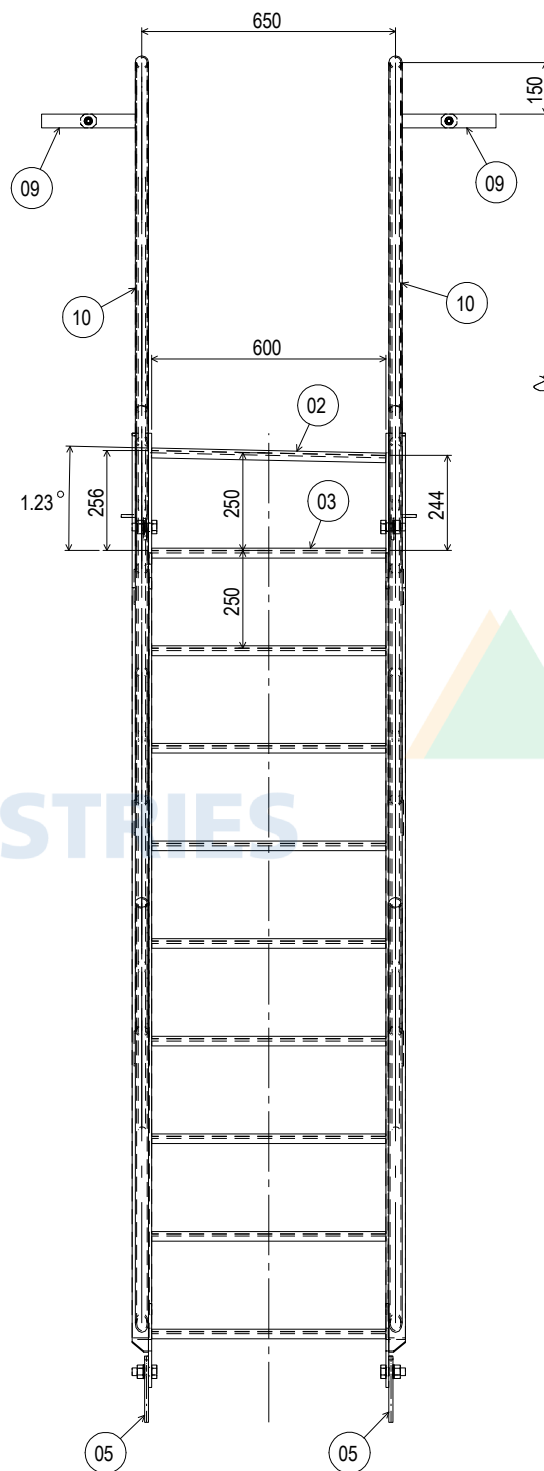


* TACK-WELDING 하여 입고 후
현장 조정 설치할 것.

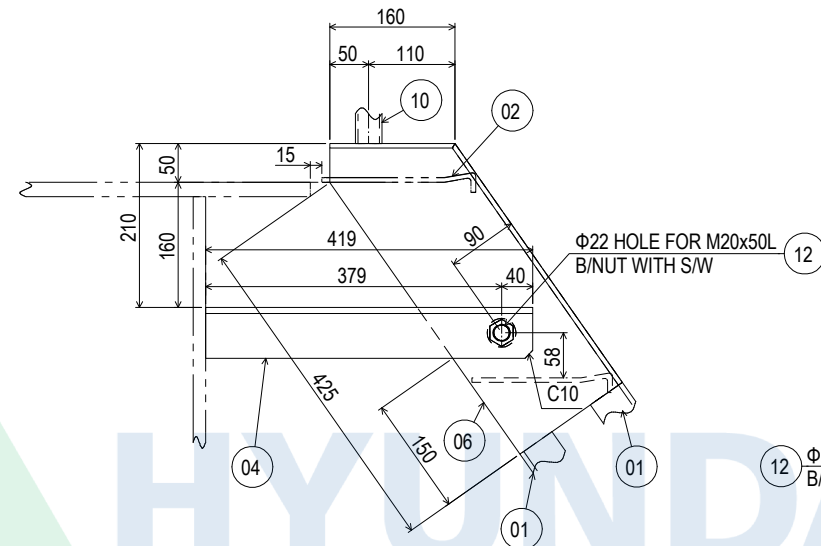
| | | | | | | |
|-----|----------------------|--------------|--------|----------|---------|--------|
| 13 | HEX.BOLT, NUT & S/W | M10 X 30L | SUS304 | 2 | | |
| 12 | HEX.BOLT, NUT & S/W | M20 X 50L | SUS304 | 4 | | |
| 11 | MID RAIL | Φ19 R.B | SS400 | 2 | | - |
| 10 | TOP RAIL | 25A PIPE | S.P.P | 2 | | - |
| 09 | ANTI-VIB. PIECE | 35 X 6t F.B | SS400 | 4 | | |
| 08 | STANCHION SUPPORT | 8t PLATE | SS400 | 2 | | |
| 07 | LOW.CONNECTING PIECE | 8t PLATE | SS400 | 2 | | |
| 06 | UPP.CONNECTING PIECE | 8t PLATE | SS400 | 2 | | |
| 05 | LOWER LUG | 80 X 12t F.B | SS400 | 2 | | |
| 04 | UPPER LUG | 70 X 12t F.B | SS400 | 2 | | |
| 03 | STEP | 6t CHK.PLATE | SS400 | 4 | | |
| 02 | UPPER STEP | 6t CHK.PLATE | SS400 | 1 | | |
| 01 | SIDE FRAME | 50X50X6t E.A | SS400 | 4 | | |
| NO. | DESCRIPTION | SPEC. | MAT'L | Q'TY/SET | W.T(KG) | REMARK |



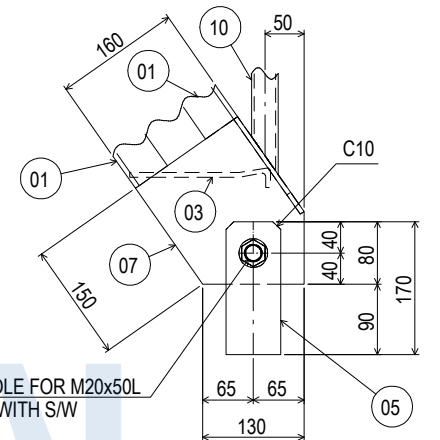
LOOKING AFT



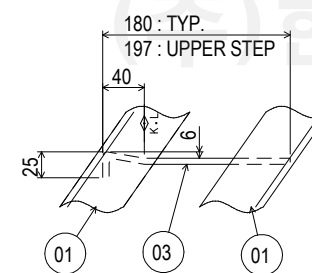
DET. OF "A"



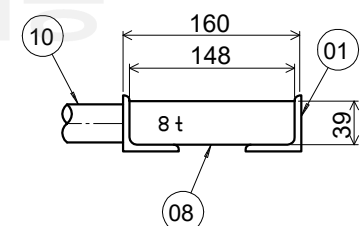
DET. OF "B"



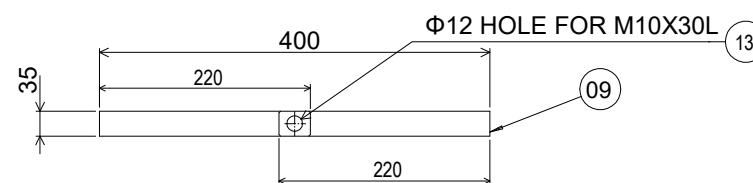
DET. OF "C"



VIEW - "D"



DET. OF ANTI-VIB. PIECE



* TACK-WELDING 하여 입고 후
현장 조정 설치할 것.

| | | | | | | |
|-----|----------------------|------------------|--------|----------|---------|--------|
| 13 | HEX.BOLT, NUT & S/W | M10 X 30L | SUS304 | 2 | | |
| 12 | HEX.BOLT, NUT & S/W | M20 X 50L | SUS304 | 4 | | |
| 11 | MID RAIL | Φ19 R.B | SS400 | 2 | | - |
| 10 | TOP RAIL | 25A PIPE | S.P.P | 2 | | - |
| 09 | ANTI-VIB. PIECE | 35 X 6t F.B | SS400 | 4 | | |
| 08 | STANCHION SUPPORT | 8t PLATE | SS400 | 6 | | |
| 07 | LOW.CONNECTING PIECE | 8t PLATE | SS400 | 2 | | |
| 06 | UPP.CONNECTING PIECE | 8t PLATE | SS400 | 2 | | |
| 05 | LOWER LUG | 80 X 12t F.B | SS400 | 2 | | |
| 04 | UPPER LUG | 65 X 65 X 8t E.A | SS400 | 2 | | |
| 03 | STEP | 6t CHK.PLATE | SS400 | 9 | | |
| 02 | UPPER STEP | 6t CHK.PLATE | SS400 | 1 | | |
| 01 | SIDE FRAME | 50X50X6t E.A | SS400 | 4 | | |
| NO. | DESCRIPTION | SPEC. | MAT'L | Q'TY/SET | W.T(KG) | REMARK |

NOTE

1. 본도는 PORT SIDE (IL-P02P)를 나타냄.
STB'D SIDE (IL-P02S)는 대칭 제작할 것.

선장설계부/선장설계3과

김현진/책임엔지니어/4569

이면장 사용금지

DETAIL OF VERTICAL LADDER

| | | |
|----------|----------------|----|
| SHIP NO. | 8105/8106/8107 | 04 |
| DWG NO. | D36P0-C26-561G | |

NOTE

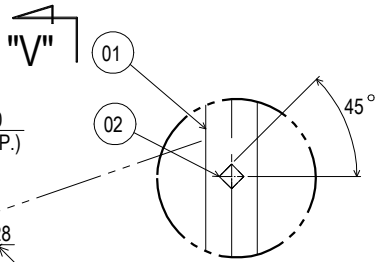
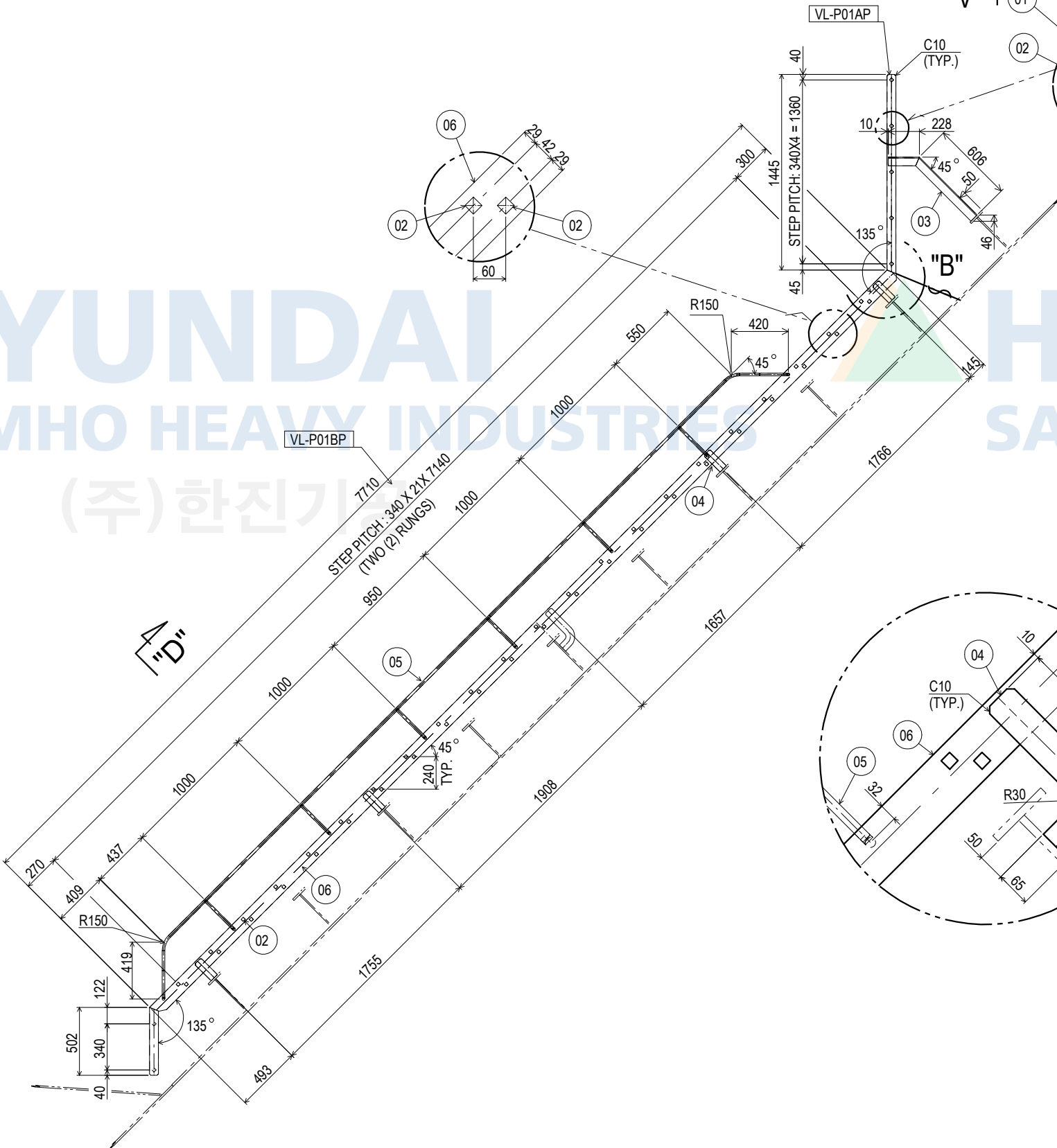
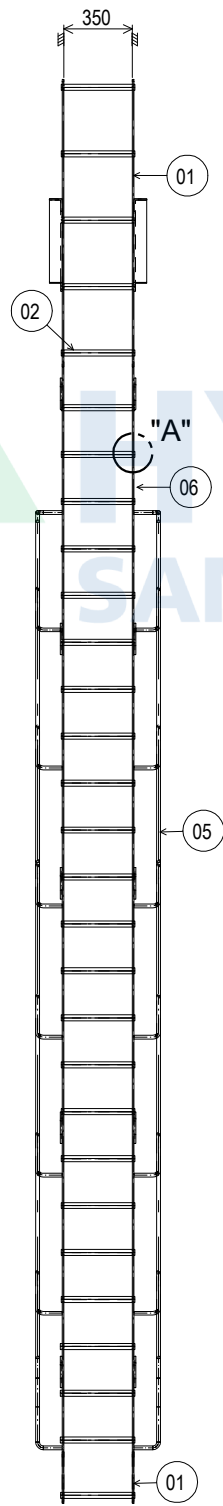
1. STEP 제작시 각도가 다름에 유의할 것.
2. 본도는 PORT SIDE를 나타냈으며 본도대로 제작할 것.

| BLOCK NO. | MARK NO. | Q'TY | WEIGHT(KG) | REMARK |
|-----------|----------|------|------------|--------|
| D32P0 | VL-P01AP | 1 | 33.0 | 본도 제작 |
| | VL-P01BP | 1 | 231.5 | |

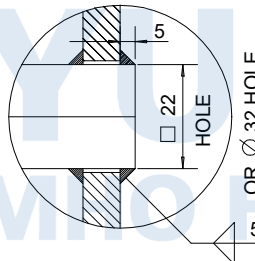
설치 BLOCK

D32P0

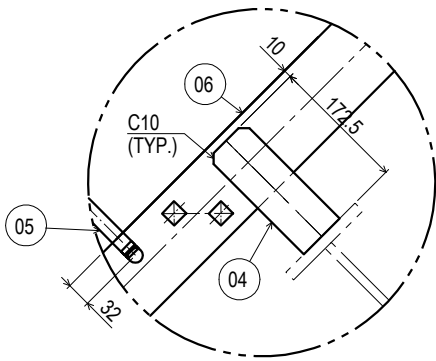
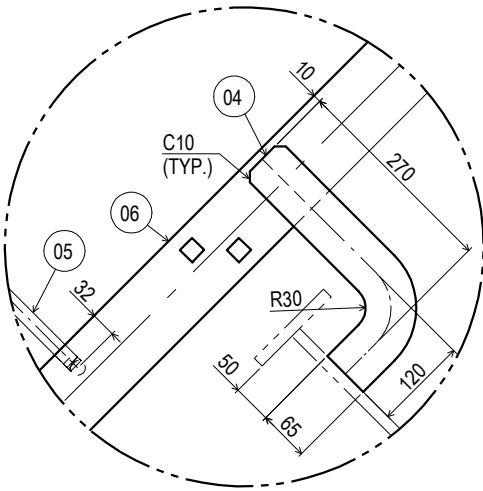
LOOKING FWD



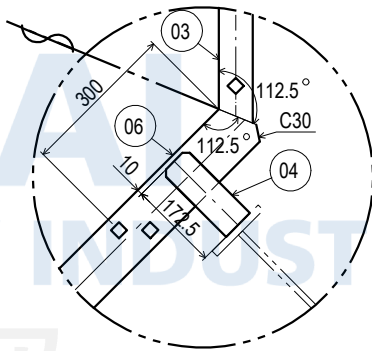
"A" DETAIL



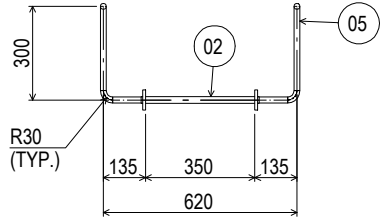
DET. OF LUG



"B" DETAIL



VIEW "D"



| | | | | | | |
|-----|-------------|------------------|-------|----------|---------|--------|
| 06 | SIDE FRAME | 100 X 9T F.B | SS400 | 2 | | |
| 05 | HANDRAIL | Φ19 R.B | SS400 | 2 | | |
| 04 | LUG | 65 X 9T F.B | SS400 | 10 | | |
| 03 | LUG | 65 X 65 X 6T E.A | SS400 | 2 | | |
| 02 | STEP | □ 22 SQ.B | SS400 | 51 | | |
| 01 | SIDE FRAME | 65 X 9T F.B | SS400 | 4 | | |
| NO. | DESCRIPTION | SPEC. | MAT'L | Q'TY/SET | W.T(KG) | REMARK |

이면지 사용금지

DETAIL OF VERTICAL LADDER

| | | |
|----------|----------------|----|
| SHIP NO. | 8105/8106/8107 | 05 |
| DWG NO. | D36P0-C26-561G | |

설치 BLOCK

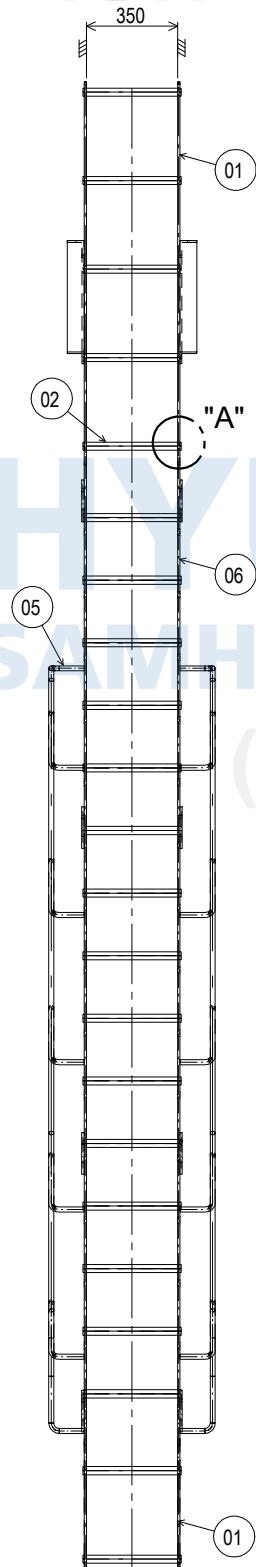
D40P0

NOTE

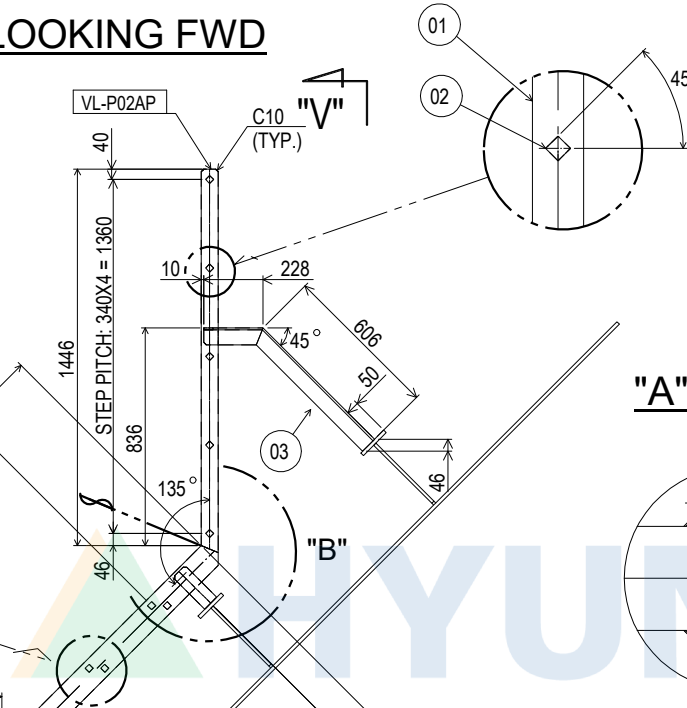
1. STEP 제작시 각도가 다름에 유의할 것.
2. 본도는 PORT SIDE를 나타냈으며 본도대로 제작할 것.

| BLOCK NO. | MARK NO. | Q'TY | WEIGHT(KG) | REMARK |
|-----------|----------|------|------------|--------|
| D40P0 | VL-P02AP | 1 | 33.0 | 본도 제작 |
| | VL-P02BP | 1 | 161.0 | |

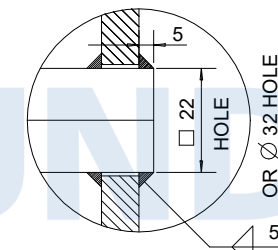
VIEW "V"



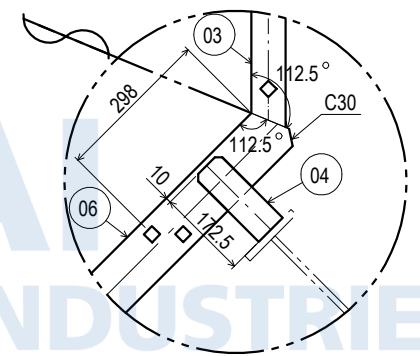
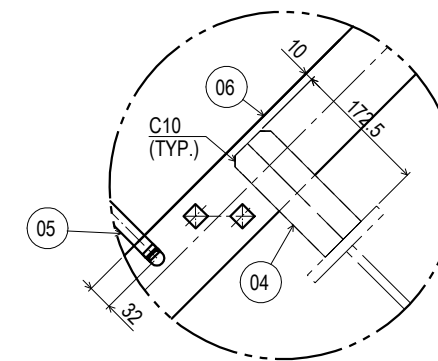
LOOKING FWD



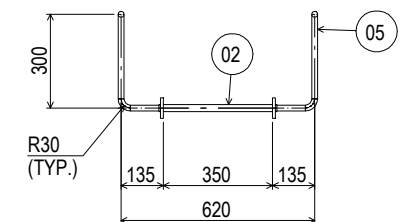
"A" DETAIL



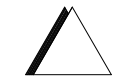
"B" DETAIL

DET. OF LUG

VIEW "D"



| | | | | | | |
|-----|-------------|------------------|-------|----------|---------|--------|
| 06 | SIDE FRAME | 100 X 9T F.B | SS400 | 2 | | |
| 05 | HANDRAIL | Φ19 R.B | SS400 | 2 | | |
| 04 | LUG | 65 X 9T F.B | SS400 | 8 | | |
| 03 | LUG | 65 X 65 X 6T E.A | SS400 | 2 | | |
| 02 | STEP | □ 22 SQ.B | SS400 | 37 | | |
| 01 | SIDE FRAME | 65 X 9T F.B | SS400 | 4 | | |
| NO. | DESCRIPTION | SPEC. | MAT'L | Q'TY/SET | W.T(KG) | REMARK |



DETAIL OF VERTICAL LADDER

| | | |
|----------|----------------|----|
| SHIP NO. | 8105/8106/8107 | 06 |
| DWG NO. | D36P0-C26-561G | |

- NOTE
- STEP 제작시 각도가 다름에 유의할 것.
 - 본도는 PORT SIDE를 나타냈으며 본도대로 제작할 것.

| BLOCK NO. | MARK NO. | Q'TY | WEIGHT(KG) | REMARK |
|-----------|----------|------|------------|--------|
| D35P0 | VL-P03AP | 1 | 33.0 | 본도 제작 |
| | VL-P03BP | 1 | 258.0 | |

D35P0

LOOKING FWD

VIEW "V1"

VIEW "V2"

"A" DETAIL

VIEW "D"

"B" DETAIL

DET. OF LUG

| 06 | SIDE FRAME | 100 X 9T F.B | SS400 | 2 | | |
|-----|-------------|------------------|-------|----------|---------|--------|
| 05 | HANDRAIL | Φ19 R.B | SS400 | 2 | | |
| 04 | LUG | 65 X 9T F.B | SS400 | 8 | | |
| 03 | LUG | 65 X 65 X 6T E.A | SS400 | 2 | | |
| 02 | STEP | □ 22 SQ.B | SS400 | 51 | | |
| 01 | SIDE FRAME | 65 X 9T F.B | SS400 | 4 | | |
| NO. | DESCRIPTION | SPEC. | MAT'L | Q'TY/SET | W.T(KG) | REMARK |

선장설계부/선장설계3과

김현진/책임엔지니어/4569

이문장 사용금지

DETAIL OF VERTICAL LADDER

| | | |
|----------|----------------|----|
| SHIP NO. | 8105/8106/8107 | 07 |
| DWG NO. | D36P0-C26-561G | |

NOTE

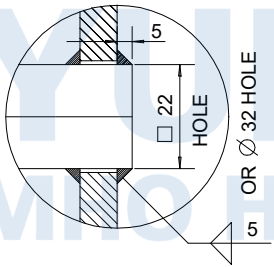
1. STEP 제작시 각도가 다름에 유의할 것.
2. 본도는 STB'D SIDE를 나타냈으며 본도대로 제작할 것.

| BLOCK NO. | MARK NO. | Q'TY | WEIGHT(KG) | REMARK |
|-----------|----------|------|------------|--------|
| D32S0 | VL-P04AS | 1 | 33.0 | 본도 제작 |
| | VL-P04BS | 1 | 231.5 | |

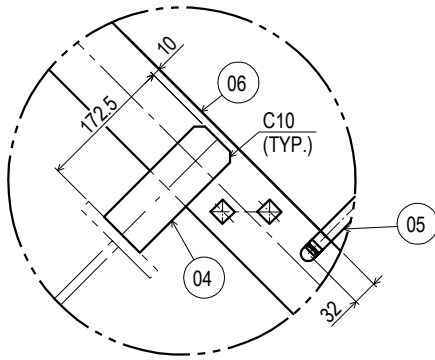
D32S0

LOOKING FWD

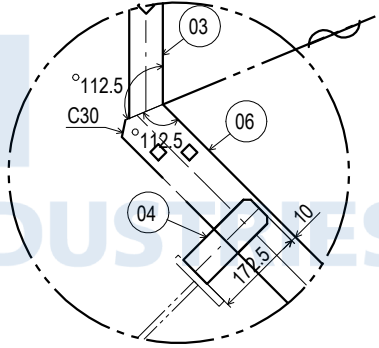
"A" DETAIL



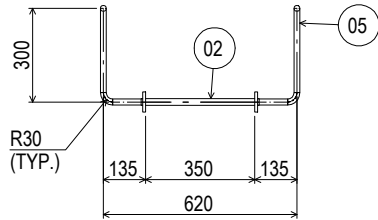
DET. OF LUG



"B" DETAIL



VIEW "D"



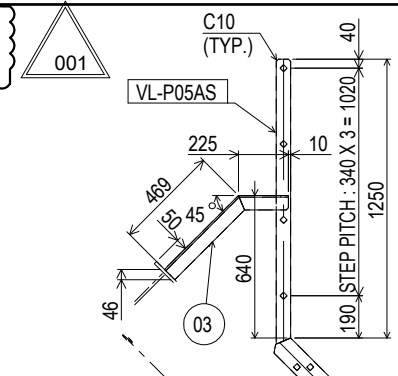
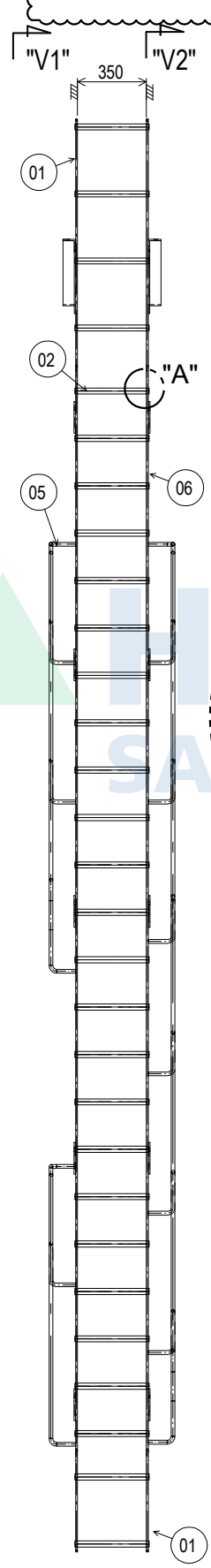
| 06 | SIDE FRAME | 100 X 9T F.B | SS400 | 2 | | |
|-----|-------------|------------------|-------|----------|---------|--------|
| 05 | HANDRAIL | Φ19 R.B | SS400 | 2 | | |
| 04 | LUG | 65 X 9T F.B | SS400 | 10 | | |
| 03 | LUG | 65 X 65 X 6T E.A | SS400 | 2 | | |
| 02 | STEP | □ 22 SQ.B | SS400 | 52 | | |
| 01 | SIDE FRAME | 65 X 9T F.B | SS400 | 4 | | |
| NO. | DESCRIPTION | SPEC. | MAT'L | Q'TY/SET | W.T(KG) | REMARK |



DETAIL OF VERTICAL LADDER

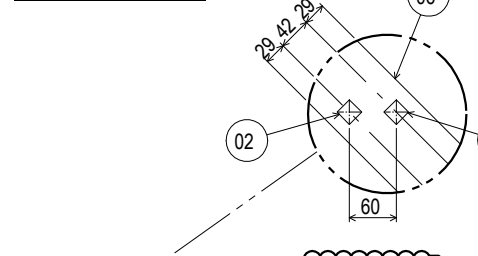
| | | |
|----------|----------------|----|
| SHIP NO. | 8105/8106/8107 | 08 |
| DWG NO. | D36P0-C26-561G | |

VIEW "A"



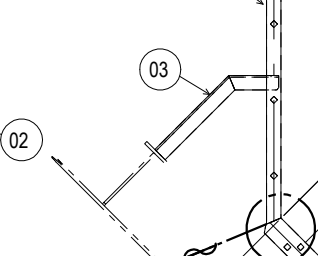
LOOKING FWD

VIEW-"V1"



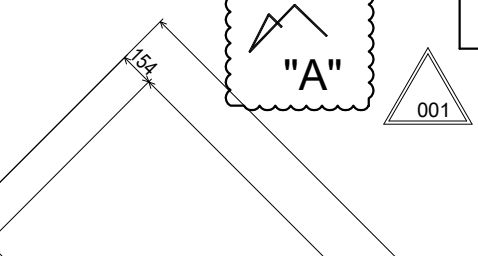
VIEW-"V2"

"A"



VIEW-"V2"

"A"



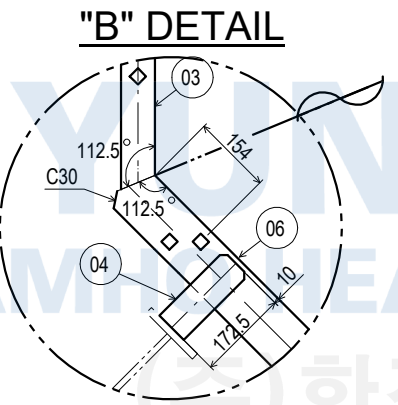
| BLOCK NO. | MARK NO. | Q'TY | WEIGHT(KG) | REMARK |
|-----------|----------|------|------------|--------|
| D35S0 | VL-P05AS | 1 | 27.5 | 본도 제작 |
| | VL-P05BS | 1 | 256.0 | |

설치 BLOCK

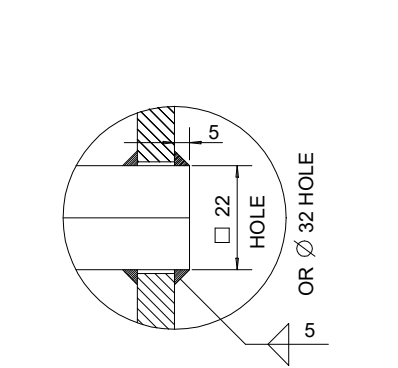
D35S0

NOTE

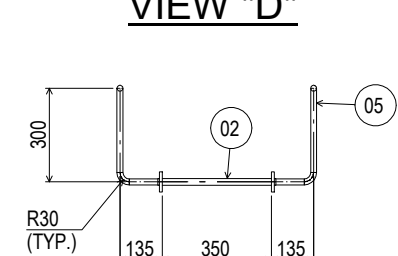
1. STEP 제작시 각도가 다름에 유의할 것.
2. 본도는 STB'D SIDE를 나타냈으며 본도대로 제작할 것.



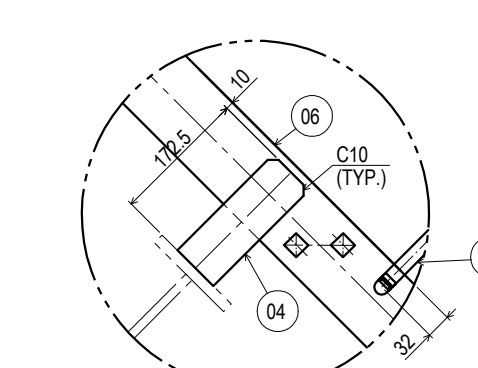
"A" DETAIL



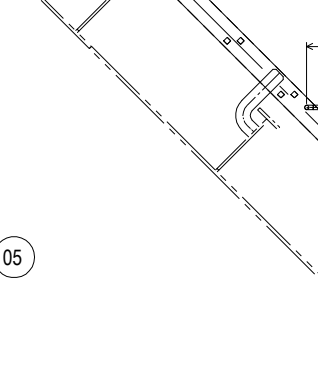
VIEW "D"



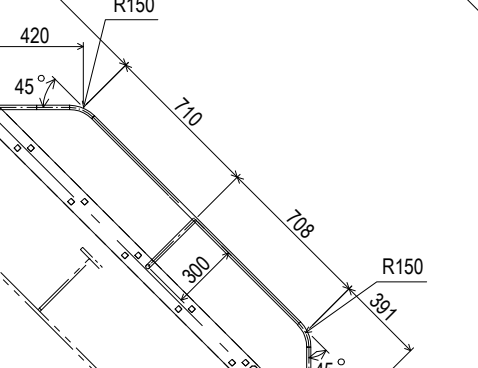
DET. OF LUG



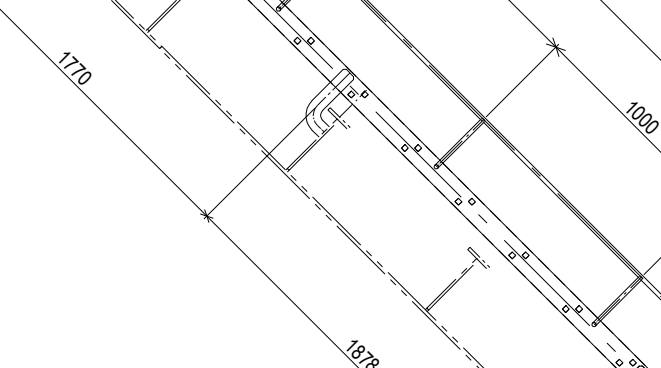
DET. OF LUG



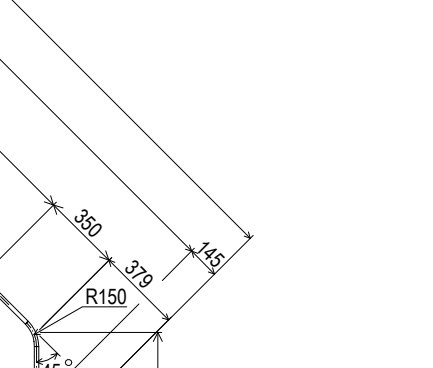
DET. OF LUG



DET. OF LUG



DET. OF LUG



| | | | | | | |
|-------|-------------|----------------------|-------|----------|---------|--------|
| 05 | HANDRAIL | Φ19 R.B | SS400 | 2 | | |
| 04 | LUG | 65 X 9T F.B | SS400 | 10 | | |
| 03 | LUG | 65 X 65 X 6T E.A | SS400 | 2 | | |
| 02 | STEP | □ 22 SQ.B | SS400 | 52 | | |
| 01/06 | SIDE FRAME | 65 X 9T / 100X9T F.B | SS400 | 4 / 2 | | |
| NO. | DESCRIPTION | SPEC. | MAT'L | Q'TY/SET | W.T(KG) | REMARK |

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선장설계부/선장설계3과

김현진/책임엔지니어/4569

이면지 사용금지

DETAIL OF VERTICAL LADDER

| | | |
|----------|----------------|----|
| SHIP NO. | 8105/8106/8107 | 09 |
| DWG NO. | D36P0-C26-561G | |

NOTE

1. STEP 제작시 각도가 다름에 유의할 것.
2. 본도는 STB'D SIDE를 나타냈으며 본도대로 제작할 것.

| BLOCK NO. | MARK NO. | Q'TY | WEIGHT(KG) | REMARK |
|-----------|----------|------|------------|--------|
| D40S0 | VL-P06AS | 1 | 27.5 | 본도 제작 |
| | VL-P06BS | 1 | 166.0 | |

D40S0

설치 BLOCK

VIEW "V"
(LOOKING PORT)

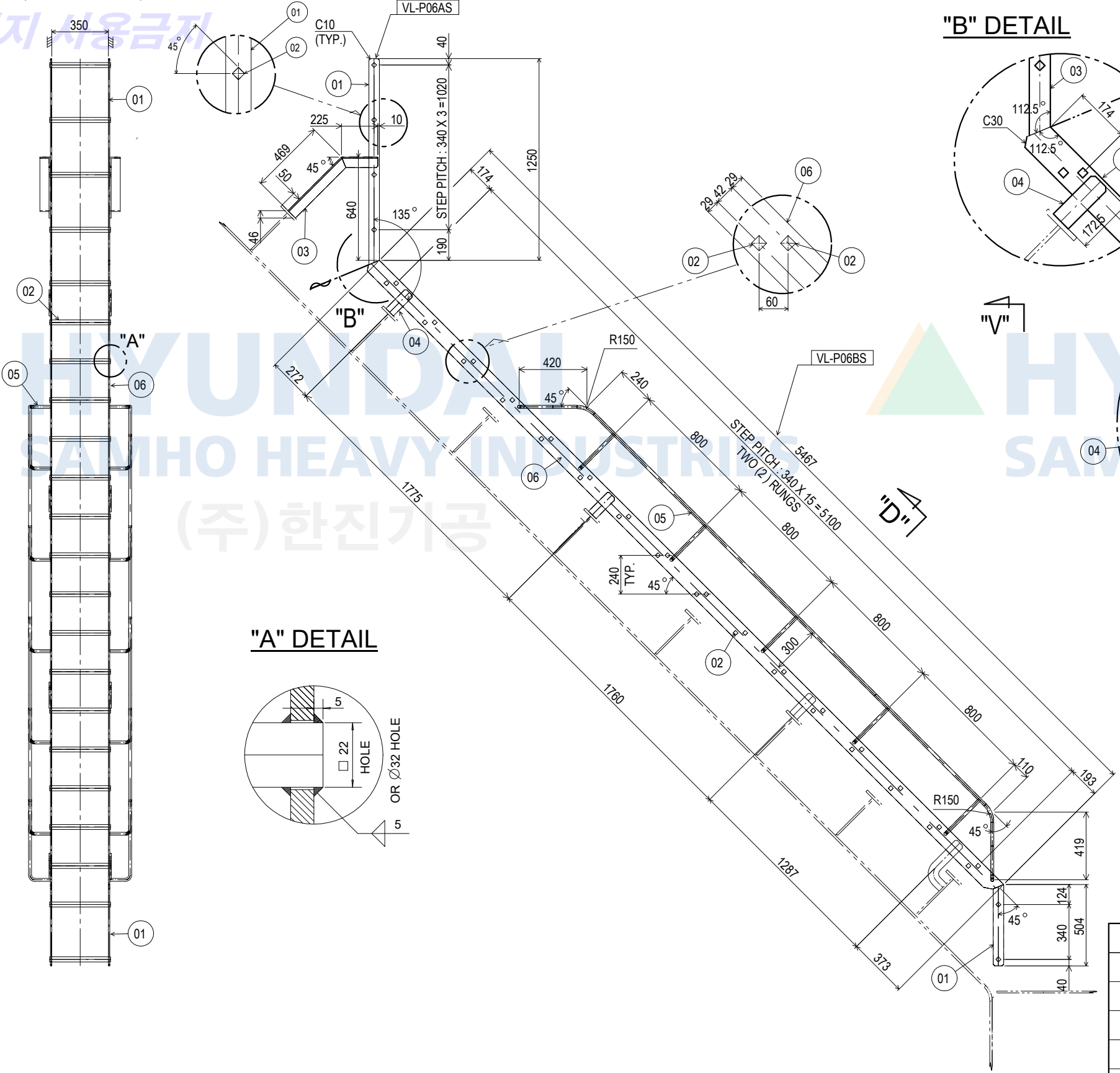
LOOKING FWD

"B" DETAIL

DET. OF LUG

VIEW "D"

"A" DETAIL



| | | | | | | |
|-----|-------------|------------------|-------|----------|---------|--------|
| 06 | SIDE FRAME | 100 X 9T F.B | SS400 | 2 | | |
| 05 | HANDRAIL | Φ19 R.B | SS400 | 2 | | |
| 04 | LUG | 65 X 9T F.B | SS400 | 8 | | |
| 03 | LUG | 65 X 65 X 6T E.A | SS400 | 2 | | |
| 02 | STEP | □ 22 SQ.B | SS400 | 38 | | |
| 01 | SIDE FRAME | 65 X 9T F.B | SS400 | 4 | | |
| NO. | DESCRIPTION | SPEC. | MAT'L | Q'TY/SET | W.T(KG) | REMARK |

선장설계부/선장설계3과

DETAIL OF VERTICAL LADDER

| | | |
|----------|----------------|----|
| SHIP NO. | 8105/8106/8107 | 10 |
| DWG NO. | D36P0-C26-561G | |

김현진/책임엔지니어/4569

이면지 시공지

NOTE

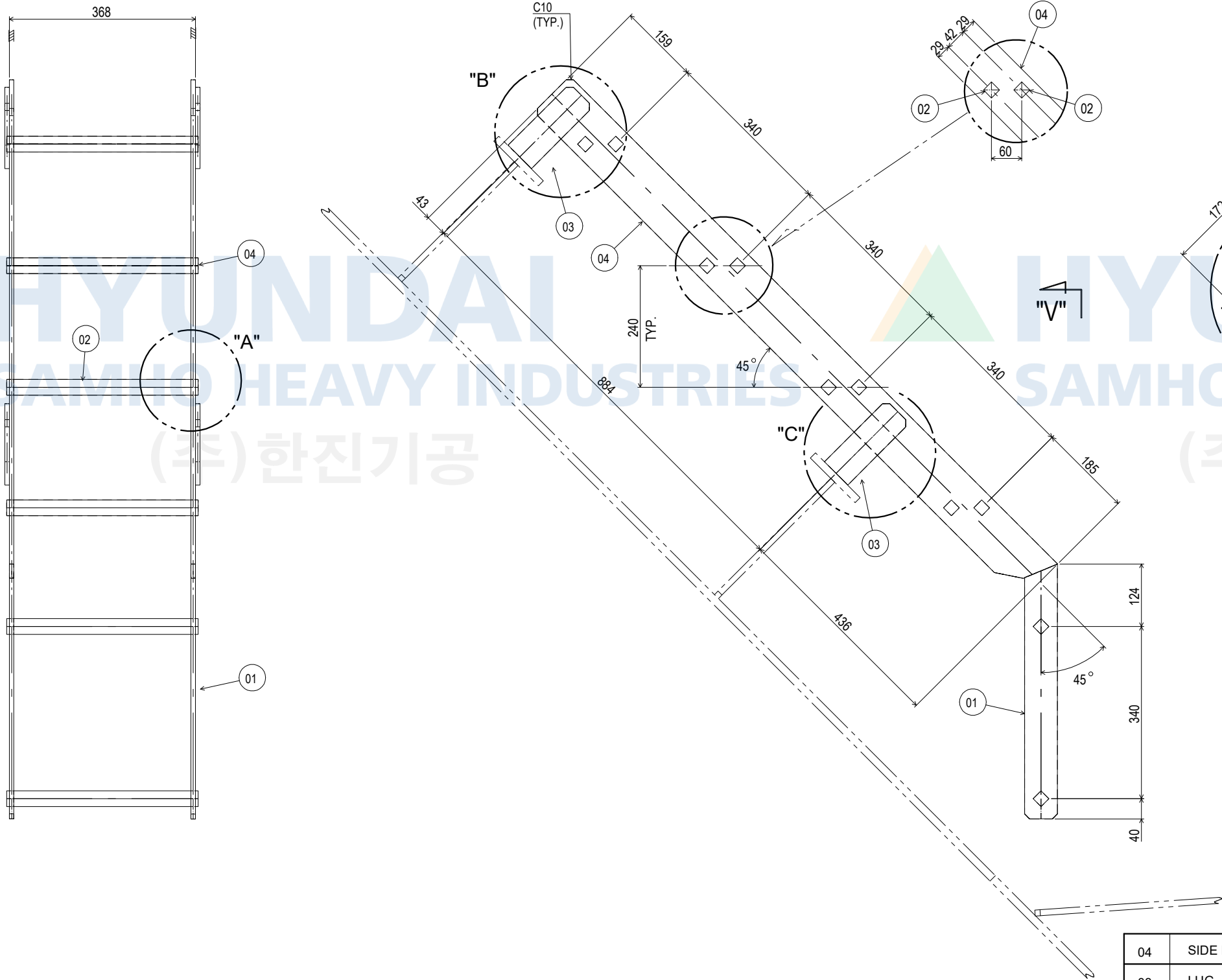
1. STEP 제작시 각도가 다름에 유의할 것.
2. 본도는 STB'D SIDE를 나타냈으며 본도대로 제작할 것.

| BLOCK NO. | MARK NO. | Q'TY | WEIGHT(KG) | REMARK |
|-----------|----------|------|------------|--------|
| D33S0 | VL-P07S | 1 | 36.5 | 본도 제작 |

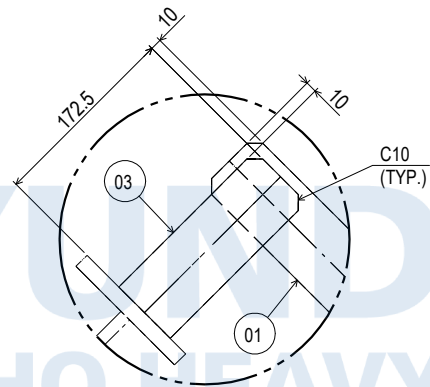
설치 BLOCK

D33S0

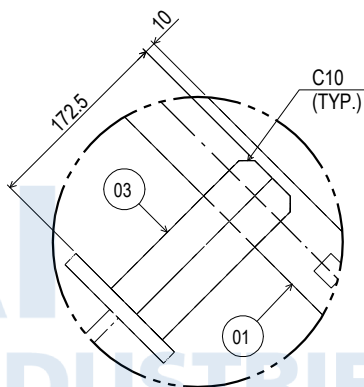
LOOKING FWD.



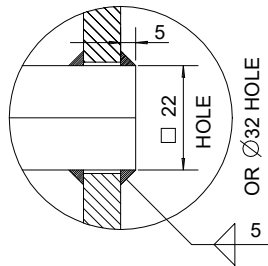
DET. OF "B"



DET. OF "C"



"A" DETAIL



| | | | | | | |
|-----|-------------|--------------|-------|----------|---------|--------|
| 04 | SIDE FRAME | 100 X 9T F.B | SS400 | 2 | | |
| 03 | LUG | 65 X 9T F.B | SS400 | 4 | | |
| 02 | STEP | □ 22 SQ.B | SS400 | 10 | | |
| 01 | SIDE FRAME | 65 X 9T F.B | SS400 | 2 | | |
| NO. | DESCRIPTION | SPEC. | MAT'L | Q'TY/SET | W.T(KG) | REMARK |

