

SECTION A-A

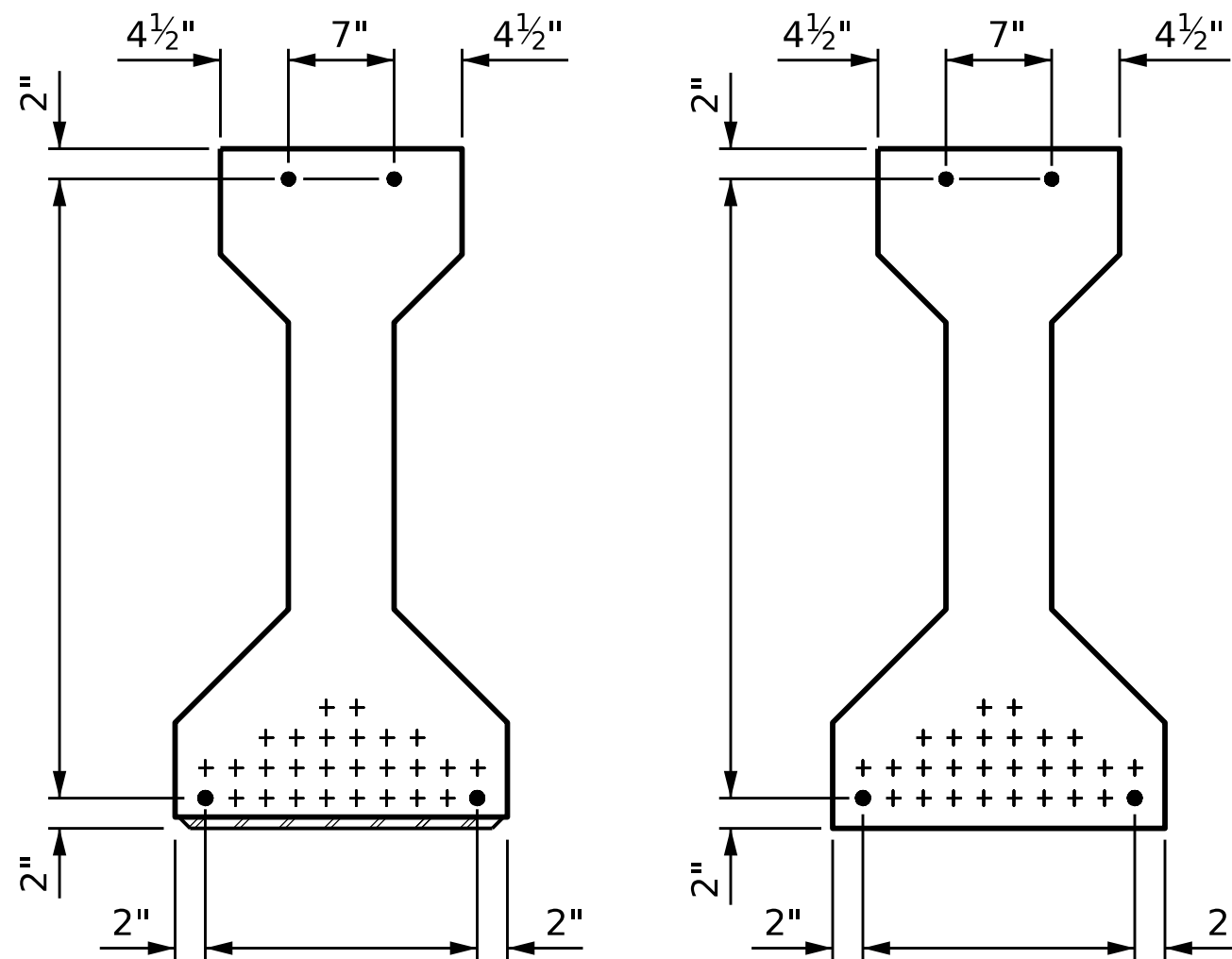
SECTION B-B

SECTION C-C

(S1 BARS NOT SHOWN)

DEBONDING LEGEND

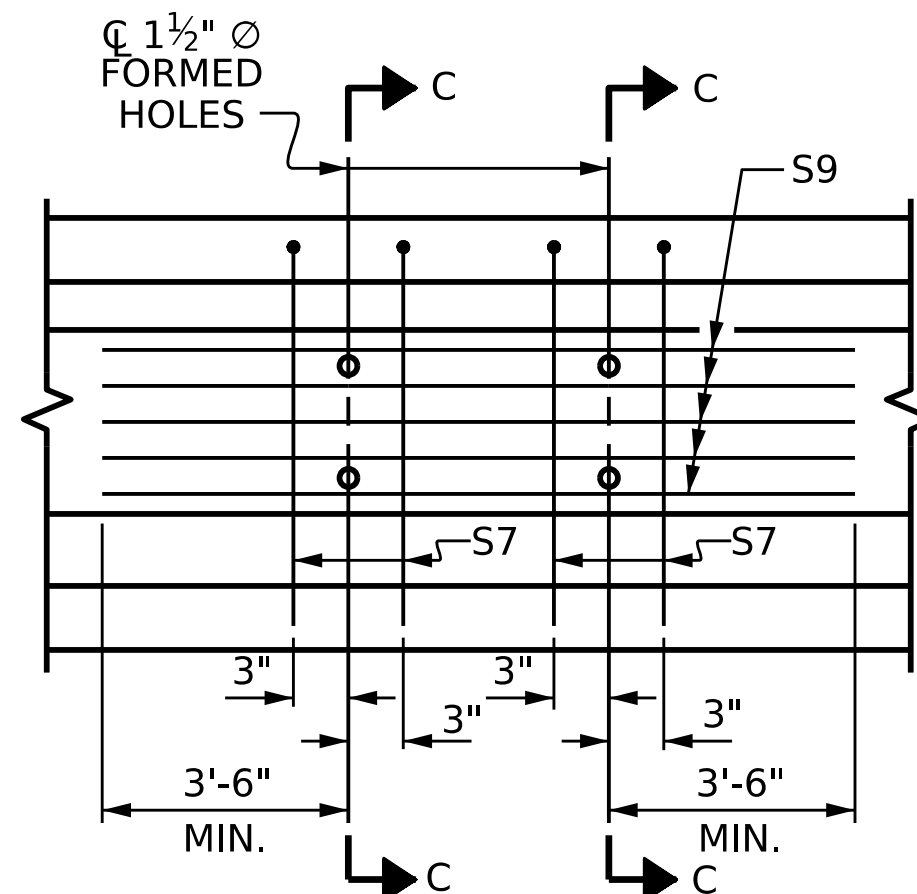
- FULLY BONDED STRANDS
- STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 6'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 8'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 10'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER



AT END OF GIRDER

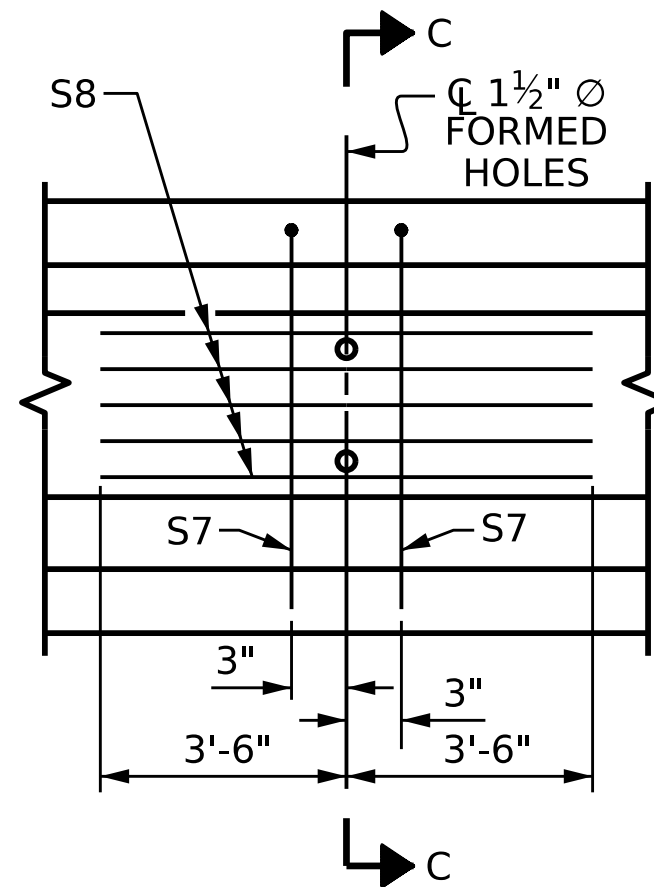
AT C OF GIRDER

0.6" Ø LOW RELAXATION STRAND LAYOUT



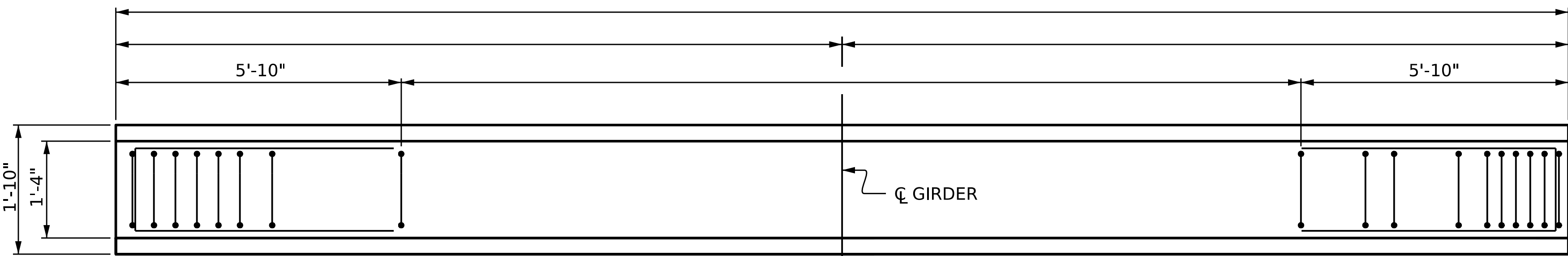
PARTIAL ELEVATION

SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. (FOR INTERIOR GDRS. WITH SKEW < 70° OR SKEW > 110°)

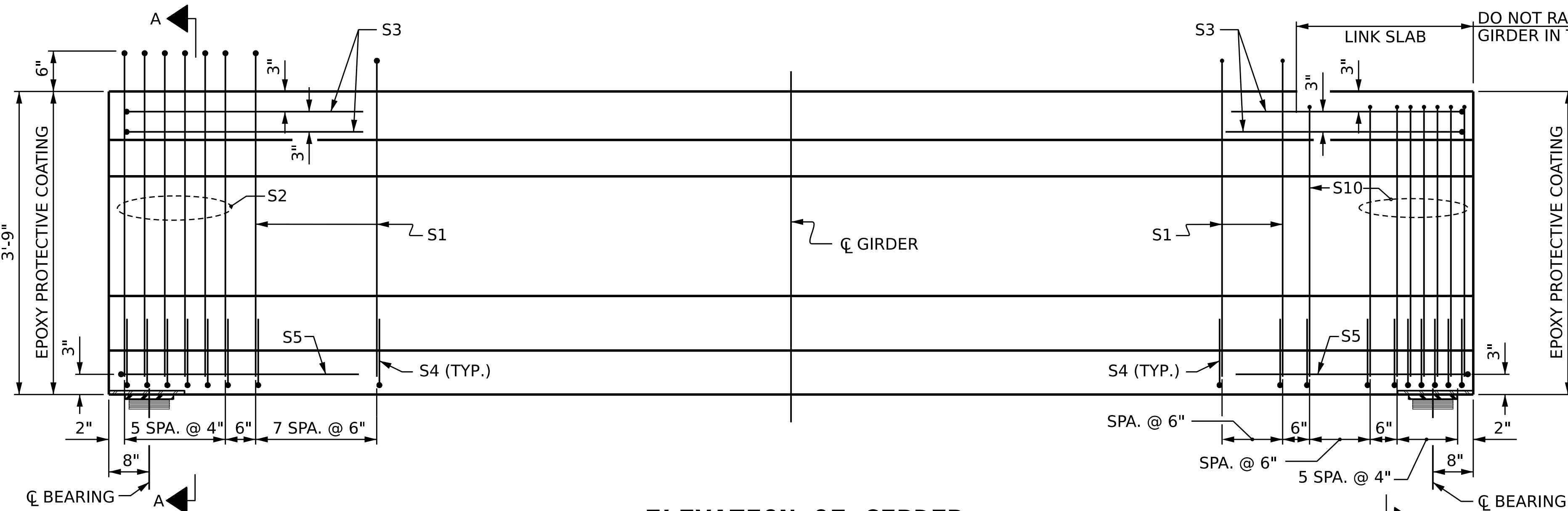


PARTIAL ELEVATION

SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. (FOR ALL EXTERIOR GIRDERS AND INTERIOR GIRDERS WITH 70° ≤ SKEW ≤ 110°)



PLAN OF GIRDER



ELEVATION OF GIRDER

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

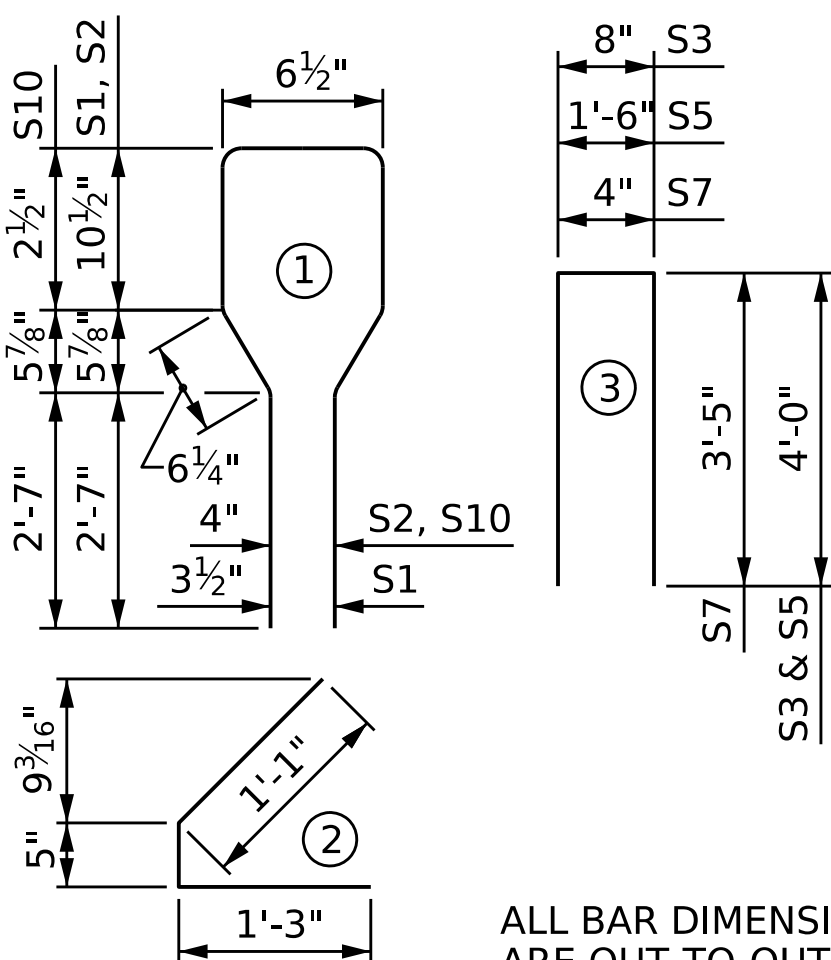
0.6"Ø L.R. GRADE 270 STRANDS

| AREA (SQUARE INCHES) | ULTIMATE STRENGTH (LBS. PER STRAND) | APPLIED PRESTRESS (LBS. PER STRAND) |
|----------------------------|--|--|
| 0.217 | 58,600 | 43,950 |

REINFORCING STEEL FOR ONE GIRDER

| BAR | NUMBER | SIZE | TYPE | LENGTH | WEIGHT |
|-----|--------|------|------|--------|--------|
| S1 | | #4 | 1 | 8'-6" | |
| S2 | 6 | #6 | 1 | 8'-6" | 77 |
| S3 | 4 | #4 | 3 | 8'-8" | 23 |
| S4 | 56 | #4 | 2 | 2'-9" | 103 |
| S5 | 2 | #4 | 3 | 9'-6" | 13 |
| S7 | | #5 | 3 | 7'-2" | |
| S8 | | #4 | STR | 7'-0" | |
| S | | #4 | STR | | |
| S10 | | #6 | 1 | 7'-2" | |

BAR TYPES



ALL BAR DIMENSIONS ARE OUT-TO-OUT

QUANTITIES FOR ONE GIRDER

| | REINFORCING STEEL LB. | PSI CONCRETE C.Y. | 0.6" Ø L. R. STRANDS No. |
|-------------|-----------------------------|-------------------------|--------------------------------|
| EXT. GIRDER | | | |
| INT. GIRDER | | | |

GIRDERS REQUIRED

| NUMBER | LENGTH | TOTAL LENGTH |
|--------|--------|--------------|
| | | |
| | | |

PROJECT NO. _____

COUNTY _____

STATION: _____

SHEET _ OF _

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

AASHTO TYPE III
PRESTRESSED CONCRETE
GIRDER - LINK SLAB

| REVISIONS | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|--------------|
| NO. | BY: | DATE: | NO. | BY: | |
| 1 | | | 3 | | TOTAL SHEETS |
| 2 | | | 4 | | |

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

| | |
|------------------------|--------|
| ASSEMBLED BY : | DATE : |
| CHECKED BY : | DATE : |
| DRAWN BY : BNB 09/21 | |
| CHECKED BY : AAI 09/21 | |