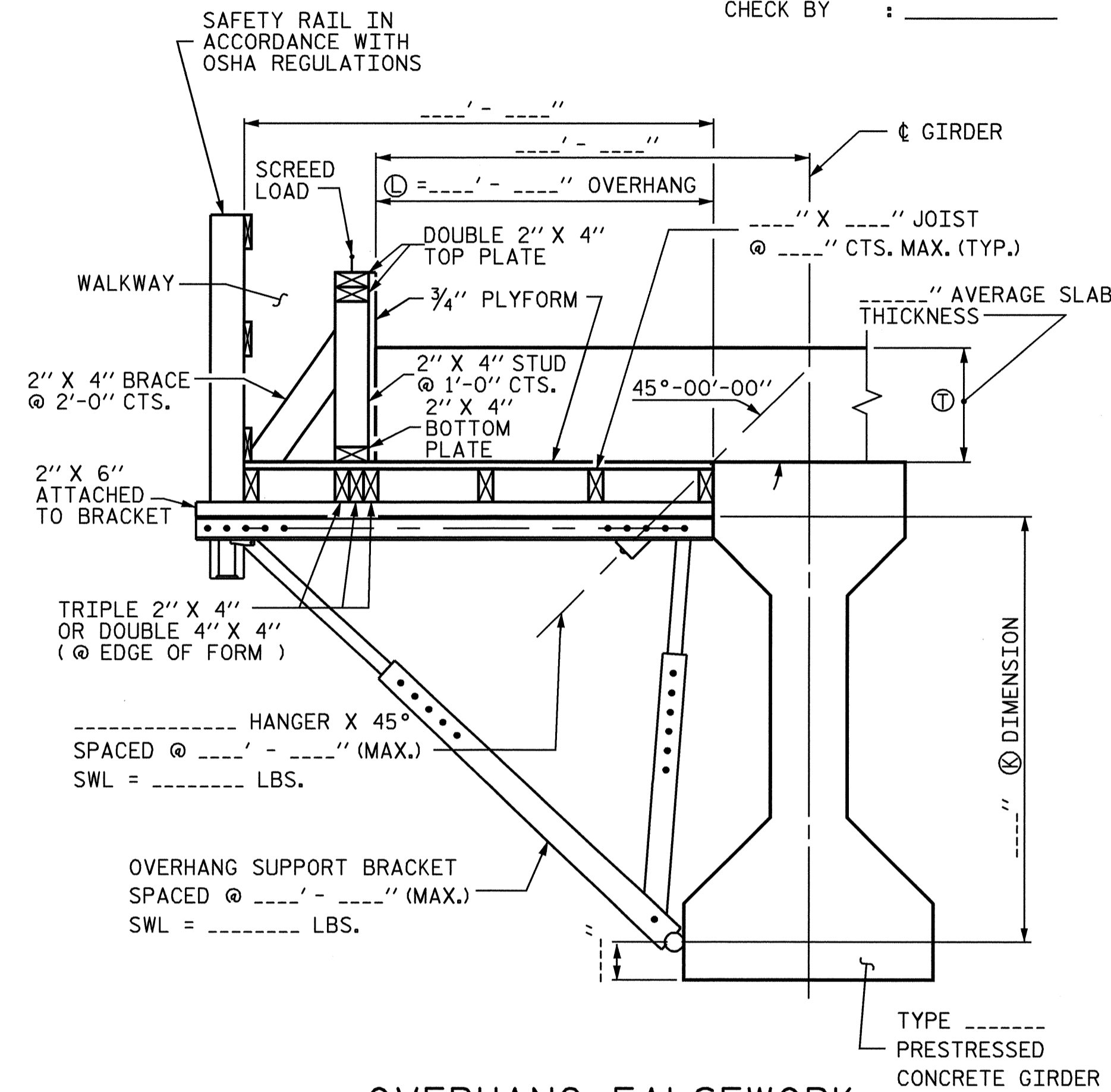


BRIDGE OVERHANG BRACKET SUMMARY

TOTAL SCREED WEIGHT = _____ LBS.
 NUMBER OF SCREED WHEELS = _____
 SCREED WHEEL LOAD (W) = _____ LBS.
 SCREED LOAD PER BRACKET = _____ LBS.

PROJECT No. : _____
 COUNTY : _____
 STATION : _____
 DESCRIPTION : _____
 DATE : _____
 DESIGN BY : _____
 CHECK BY : _____



OVERHANG FALSEWORK

NOTES

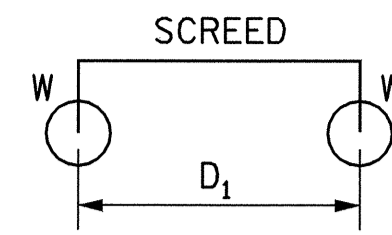
DESIGN INCLUDES CONSTRUCTION LIVE LOAD 20 PSF ON THE AREA SUPPORTED AND 75 PLF AT THE OUTSIDE DECK OF OVERHANGS.

REQUIRED MINIMUM DIAGONAL LEG CAPACITY: 3600 LB WORKING LOAD

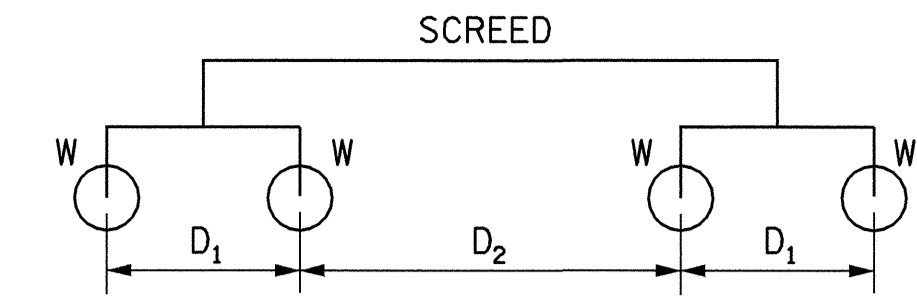
THE CONTRACTOR HAS THE OPTION OF SUBMITTING HIS OWN DESIGN FOR OVERHANG FALSEWORK IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

SUBMITTALS UTILIZING THE INSTRUCTIONS AND PROCEDURES DESCRIBED ON SHEET 1 OF 3 SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS, EXCEPT THAT CALCULATIONS FOR OVERHANG FALSEWORK NEED NOT BE SEALED BY A REGISTERED ENGINEER.

FOR OVERHANG FALSEWORK BRACING DESIGN, SEE SHEET 3 OF 3.



4-WHEEL MACHINE



8-WHEEL MACHINE

TABLE 2: SCREED LOAD FACTOR "R"

| 4 WHEEL MACHINE | |
|-----------------|------|
| S/D1 | R |
| <= 1.0 | 1.00 |
| 1.1 | 1.09 |
| 1.2 | 1.17 |
| 1.3 | 1.23 |
| 1.4 | 1.29 |
| 1.5 | 1.33 |
| 1.6 | 1.38 |
| 1.7 | 1.41 |
| 1.8 | 1.44 |
| 1.9 | 1.47 |
| 2.0 | 1.50 |
| 2.2 | 1.55 |
| 2.4 | 1.58 |
| 2.6 | 1.62 |
| 2.8 | 1.64 |
| 3.0 | 1.67 |
| 3.5 | 1.71 |
| 4.0 | 1.75 |

| | | THE SCREED LOAD FACTOR R (FOR 8 WHEEL MACHINE) | | | | | | | | | | | | | | | | | |
|------------------|--------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | S/D ₂ | | | | | | | | | | | | | | | | | |
| | | <= 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.5 | 4.0 |
| S/D ₁ | <= 1.0 | 1.00 | 1.09 | 1.17 | 1.23 | 1.29 | 1.33 | 1.38 | 1.41 | 1.44 | 1.47 | 1.50 | 1.55 | 1.58 | 1.62 | 1.64 | 1.67 | 1.71 | 1.75 |
| | 1.1 | 1.09 | 1.18 | 1.26 | 1.32 | 1.38 | 1.42 | 1.47 | 1.50 | 1.54 | 1.56 | 1.59 | 1.64 | 1.67 | 1.71 | 1.73 | 1.76 | 1.81 | 1.84 |
| | 1.2 | 1.17 | 1.26 | 1.33 | 1.40 | 1.45 | 1.50 | 1.54 | 1.58 | 1.61 | 1.64 | 1.67 | 1.71 | 1.75 | 1.78 | 1.81 | 1.83 | 1.88 | 1.92 |
| | 1.3 | 1.23 | 1.32 | 1.40 | 1.46 | 1.52 | 1.56 | 1.61 | 1.64 | 1.68 | 1.70 | 1.73 | 1.78 | 1.81 | 1.85 | 1.87 | 1.90 | 1.95 | 1.98 |
| | 1.4 | 1.29 | 1.38 | 1.45 | 1.52 | 1.57 | 1.62 | 1.66 | 1.70 | 1.73 | 1.76 | 1.79 | 1.83 | 1.87 | 1.90 | 1.93 | 1.95 | 2.00 | 2.07 |
| | 1.5 | 1.33 | 1.42 | 1.50 | 1.56 | 1.62 | 1.67 | 1.71 | 1.75 | 1.78 | 1.81 | 1.83 | 1.88 | 1.92 | 1.95 | 1.98 | 2.00 | 2.10 | 2.17 |
| | 1.6 | 1.38 | 1.47 | 1.54 | 1.61 | 1.66 | 1.71 | 1.75 | 1.79 | 1.82 | 1.85 | 1.88 | 1.92 | 1.96 | 1.99 | 2.04 | 2.08 | 2.18 | 2.25 |
| | 1.7 | 1.41 | 1.50 | 1.58 | 1.64 | 1.70 | 1.75 | 1.79 | 1.82 | 1.86 | 1.89 | 1.91 | 1.96 | 2.00 | 2.05 | 2.11 | 2.16 | 2.25 | 2.32 |
| | 1.8 | 1.44 | 1.54 | 1.61 | 1.68 | 1.73 | 1.78 | 1.82 | 1.86 | 1.89 | 1.92 | 1.94 | 1.99 | 2.06 | 2.11 | 2.18 | 2.23 | 2.32 | 2.39 |
| | 1.9 | 1.47 | 1.56 | 1.64 | 1.70 | 1.76 | 1.81 | 1.85 | 1.89 | 1.92 | 1.95 | 1.97 | 2.04 | 2.11 | 2.18 | 2.23 | 2.28 | 2.38 | 2.45 |
| 2.0 | 1.50 | 1.59 | 1.67 | 1.73 | 1.79 | 1.83 | 1.88 | 1.91 | 1.94 | 1.97 | 2.00 | 2.09 | 2.17 | 2.23 | 2.29 | 2.33 | 2.43 | 2.50 | |
| 2.2 | 1.55 | 1.64 | 1.71 | 1.78 | 1.83 | 1.88 | 1.92 | 1.96 | 1.99 | 2.04 | 2.09 | 2.18 | 2.26 | 2.32 | 2.38 | 2.42 | 2.52 | 2.59 | |
| 2.4 | 1.58 | 1.67 | 1.75 | 1.81 | 1.87 | 1.92 | 1.96 | 2.00 | 2.06 | 2.11 | 2.17 | 2.26 | 2.33 | 2.40 | 2.45 | 2.50 | 2.60 | 2.67 | |
| 2.6 | 1.62 | 1.71 | 1.78 | 1.85 | 1.90 | 1.95 | 1.99 | 2.05 | 2.12 | 2.18 | 2.23 | 2.32 | 2.40 | 2.46 | 2.52 | 2.56 | 2.66 | 2.73 | |
| 2.8 | 1.64 | 1.73 | 1.81 | 1.87 | 1.93 | 1.98 | 2.04 | 2.11 | 2.17 | 2.23 | 2.29 | 2.38 | 2.45 | 2.52 | 2.57 | 2.62 | 2.71 | 2.79 | |
| 3.0 | 1.67 | 1.76 | 1.83 | 1.90 | 1.95 | 2.00 | 2.08 | 2.16 | 2.22 | 2.28 | 2.33 | 2.42 | 2.50 | 2.56 | 2.62 | 2.67 | 2.76 | 2.83 | |
| 3.5 | 1.71 | 1.81 | 1.88 | 1.95 | 2.00 | 2.10 | 2.18 | 2.25 | 2.32 | 2.38 | 2.43 | 2.52 | 2.60 | 2.66 | 2.71 | 2.76 | 2.86 | 2.93 | |
| 4.0 | 1.75 | 1.84 | 1.92 | 1.98 | 2.07 | 2.17 | 2.25 | 2.32 | 2.39 | 2.45 | 2.50 | 2.59 | 2.67 | 2.73 | 2.79 | 2.83 | 2.93 | 3.00 | |

TABLE 3: ALLOWABLE SPAN LENGTH OF JOISTS AND JOIST SPACINGS

| AVG. SLAB THICKNESS (IN) | LUMBER JOIST SIZE (IN X IN) | JOIST SPACINGS | | | |
|--------------------------|-----------------------------|----------------|---------|---------|---------|
| | | 15 IN | 12 IN | 10 IN | 8 IN |
| 10 | 2 X 4 | --- | 4' - 6" | 4' - 9" | 5' - 0" |
| | 4 X 4 | 5' - 9" | 6' - 3" | 6' - 6" | 6' - 7" |
| 12 | 2 X 4 | --- | 4' - 3" | 4' - 9" | 5' - 0" |
| | 4 X 4 | 5' - 3" | 6' - 0" | 6' - 3" | 6' - 5" |
| 14 | 2 X 4 | --- | 4' - 0" | 4' - 6" | 5' - 0" |
| | 4 X 4 | --- | 5' - 6" | 6' - 0" | 6' - 4" |
| 16 | 2 X 4 | --- | 4' - 0" | 4' - 3" | 4' - 9" |
| | 4 X 4 | --- | 5' - 3" | 5' - 9" | 6' - 3" |

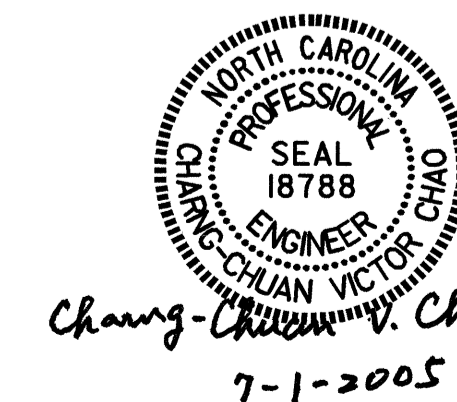
PROJECT NO. B-4044
 BURKE COUNTY
 STATION: 17+05.00 -L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

STANDARD OVERHANG FALSEWORK

AASHTO TYPES
 III, IV, V, AND VI



ASSEMBLED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 DRAWN BY: R. WRIGHT 06/04 REV. _____
 CHECKED BY: C. V. CHAO 06/04

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | TOTAL SHEETS |
| 1 | | | 3 | | | 5-34 |
| 2 | | | 4 | | | 35 |