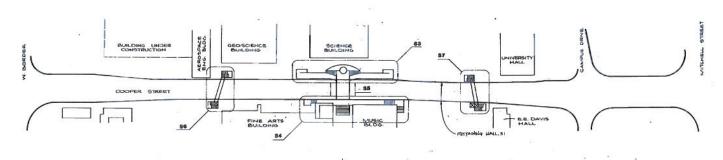


EAST SIDE OF COOPER STREET - WEST ELEVATION
(EAST ELEVATION FOR WEST SIDE OF COOPER STREET)
N.T.6.



EAST SIDE OF COOPER STREET - EAST ELEVATION
(WEST ELEVATION FOR WEST SIDE OF COOPER STREET)

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General Budes

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Most Betaining Wall "C" Luyout

Most Betaining Wall "C" Luyout

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Retaining Wall Details

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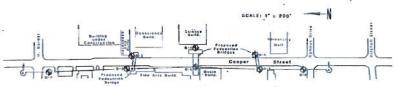
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PLAN VIEW BORING LOCATIONS



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REVISIONS UNIVERSITY OF TEXAS AT ARLINGTON COOPER STREET DEPRESSION KEY PLAN

CARTER & BURGESS, INC. ENGINEERS - PLANNERS 1100 MACON STREET / FORT WORTH, TEXAS TRICE

- 1. CODES AND DESIGN SPECIFICATIONS
  - A. UNIFORM BUILDING CODE, 1905
  - BUTLDING CODE REQUIREMENTS FOR MEINFORCED CONCRETE (ACT 318-83)
  - AMERICAN ASSOCIATION OF STATE REGULAY & TRANSPORTATION OFFICIALS STAUDARD SPECIFICATIONS FOR WIGHMAY BRIDGES, 13TH ED., 1963 (FOR RETAINING WALL DESIGN)
- SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, AISC, 1900 (FOR PEDESIRIAN DRIDGE DESIGN AND MISC. STEEL STRUCTURES)

#### 2. DESTON LONDS:

- A. LATERAL WIND LOAD
- b. LIVE LOADS:
  THUSS BRIDGE
  PLATE BOX STREER BRIDGE
  STAIRS, RAMPS AND LANDINGS
- C. RETAINING WALL LOADS: HORIZOWTAL EQUIVALENT FLUID PRESSURE SURCHARGE
- 1 FOOT SOIL

20 PSF

- THE CONTRACTOR CHAIL PROVIDE ALL HEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF MADDRES CONTROCTORS. SHOW HEASURES DAVE TO CONSTRUCTION. SHOW HEASURES DUE TO CONSTRUCTION FOR THE THE TOP AREADING. SHORMER FOR CLAMS THE STRUCTURE RESISTERS SHOW TO REACTIVE STRUCT FOR THE STRUCTURE THE STRUCTURE AND THE STRU
- CONTRACTOR SMALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF OSHA
  AND OTHER GOVERNING, OR REGRATION PRODES WAYING, JURISDOCTION AT THE
  SITE. CONTRACTOR SMALL BY TOTALLY RESPONSED FOR FAIL COMPLIANCE
  WITH ALL LOCAL, STATE AND FEDDRAL REGISLATIONS CONSIDERATION REACTS. AND
  SITE OF WHOREASS ARD THE PUBLIC IS AND ANDORSHITM CONSIDERATION.
- SHOP ORAHINGS REQUIRED BY THE SPECIFICATIONS SHALL BE SUBMITTED FOR REYTEM PRIOR TO FABRICATION. SHOP GRANINGS SHALL INCLUDE ALL INFORMATION RECESSANT FOR COMPLETE FABRICATION AND PLACING OF ALL REINFORCING STEEL AND FABRICATION AND ERECTION OF ALL STEEL NUMBERS.

- FOUNDATIONS ARE DESIGNED BASED UPON RECOMMENDATIONS BY ROME ENGINEERS IN MEPORY ENTITLES "GEOTECHNICAL INVESTIGATION, COOPER STREET DEPRESSION, BORDER STREET TO MITCHELL STREET, ARLENGTON, TEXAS, RPT. NO. 7-0013-01, DATED JANUARY 8, 1987.
- DESIGN CRITERIA FOR ALLOWABLE END BEARING AND SIDE FRICTION FOR DRILLED SHAFTS IS PRESENTED ON 50-3.
- TEMPORARY CASING OF DRILLED SHAFTS IS EXPECTED TO BE NECESSARY TO PREVENT GROUNDWATER INFILTRATION DURING ORILLED SHAFT INSTALLATION.
- 5. SHAFT HOLES SHALL BE CONCRETED WETHIN B HOURS AFTER DRILLING.
- ALL EXCAVATED AND GRILLED BEARING STRATA SHALL BE INSPECTED BY THE STATE'S ENGINEER BEFORE PLACING CONCRETE.
- THE BOTTOM OF EACH SHAFT VOLE SHALL BE THOROUGHLY CLEANED OF ALL LOOSE MATERIALS.
- ALL LAITANCE MATERIALS SMALL BE REMOVED FROM THE TOP OF EACH SMAFT PRIOR TO FURTHER CONSTRUCTION.
- ALL DRILLED SHAFT CONCRETE SHALL BE CLASS 'C' WITH A PURIFUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PS1.
- 10. ALL DRILLED SHAFT MEINFORCING SHALL BE ASTM A615, GRADE 60.
- 11. ALLOWABLE BEARING PRESSURE FOR RETAINING WALL AND SHALLOW FOOTINGS IS 2500 PSF.
- 12. RETAINING WALLS AND ADDITION UNILS SMALL BE BACKFILLED WITH A SELECT FILL COMMUNED TO 976-E. TIDM 133, THE A, WITH LESS THAN SOR PASSING MD. 200 SIEVE. PLASTICITY INDEX SMALL BOLLESS THAN 15. THE LIMIT OF SELECT FILL MATERIAL SMALL EXTENT FROM THE BACK OF THE MALL FORTING GHARMS AND MANY FROM THE OF OF MALL AT A 3 HORIZONTAL TO 2 VERTICAL SLOPE.
- COMPACTION OF FILL MATERIAL SHALL BE PENFORMED IN 6" LOOSE LIFTS TO 94 AND 90 VERCEAT OF THE MAXIMUM DENSITY, AS DETERMINED BY TSHAFT TEST METHOD 113-E, AT A MOISTURE CONTENT WITHIN -2 TO +3 PENCENTAGE POINTS OF THE UPITHUM MOISTURE.

## STRUCTURAL CONCRETE MOTES

- 1. ALL CONCRETE SMALL BE CLASS 'C' WITH A MINIMUM 28 DAY COMPRESSIVE STREAMS OF 3600 PS1, ENCEPT CONCRETE FORPHIC OWEN METAL BECK ON SHEMBOLD SMALL BECAMS: "M' WITH A MINIMUM 28 DAY COMPRESSIVE STREAMS ON PS1, BUT CLASS 'N' SMALL BLIGHTMETENT CONCRETE (115 PS7) WITH AGGREGATE CONCRETE ON
- ALL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO THE STANDARDS OF ASTR ASIS, GRADE 60.
- ALL WELDED WINE FABRIC SMALL COMPORM TO THE STANDARDS OF ASTR A-105. WELDED WINE FABRIC SMALL BE SUPPLIED IN FLAT SHEETS. LAP FABRIC TOD FULL MISH PARKED, AND THE SECURELY.
- 4. ALL ANCHOR BOLTS SHALL BE ASTH ABOY UNLESS SPECIFICALLY MOTED.
- 5. NO RETWORDSHITT SHALL BE WELDED OR BENT'IN THE FIELD UNLESS SPECIFICALLY NOTED.
- 6. ALL HOOKS SHALL BE STANDARD 90° HOOKS UNLESS OTHERWISE NOTED.
- CHECKED SHOP DRAWINGS SHOWING RETWFORCENS DETAILS, INCLUDING STEEL SIZES, SPACING AND PLACEMENT, SHALL BE SUMMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FARRICATION.
- 8. WHERE REQUIRED, DOMELS SHALL HATCH SIZE AND NUMBER OF MAIN REINFORCING.
- 9. ALL CONSTRUCTION JOINTS SHALL BE WIRE URUSHED AND CLEANED INDICATELY PRIOR TO POWERING NEW CONCRETE.
- 10. NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.
- 11. CONCRETE SURFACE FINISH SHALL BE GRADE II, CLASS 'C', IN ACCORDANCE WITH SPEC. ITEM 427 WITH THE FOLLOWING EXCEPTIONS:
- 4. CONCRETE SLABS UNDER ARCHITECTURAL PAYERS SHALL HAVE A FLOAT FINISH.
- ALL EXPOSED CONCRETE SLABS SHALL HAVE A LIGHT BROOM FINISH IN ACCORDANCE WITH SPEC. ITEM 420-19.
- THE EAST FACE OF THE WALL ENCLOSING THE FORMTAIN AT THE CENTER BRIDGE EAST LANDING SHALL RECEIVE A LIDERT SANDARAST FIRSH, THE EFFECTER ROSLIG OF THE SHADOLASTHOR IS TO PRODUCE A SHOOL AND LIDER OF THE SHADOLASTHOR IS TO PRODUCE A SHOOL ASTRONOMY THE WALL REDULY THE FORMTAIN REPORTSOED SHALL BE SANDOLASTED AS A SANDALET BRIDGE TO SHADOLASTED AS A SANDAL FARMEL RESTRICT RESERVANTIVE PRIOR TO SHADOLASTED THE EMPORE DESTRICT THE SHAPPING THE SHADOLASTED THE EMPORED CAST FACE.

#### STRUCTURAL HASONRY NOTES

- ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF THE NATIONAL CONCRETE MASCHRY ASSOCIATION AND THE STRUCTURAL CLAY PRODUCTS INSTITUTE,
- 2. MATERIALS:
  - HOLLOW LOAD BEARING CONCRETE MASORRY UNITS SHALL CONFORM TO ASTM C90-70, GAME N. TYPE 1, WITH A MINISHUM ULTIMATE COMPRESSIVE STRENGTH (f'm) OF 1350 PSI ON THE NET SECTION.
  - GROUT FOR REIMFORCED LOAD BEARING MASONRY SHALL CONFORM TO ASTR CATE AND SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.
  - NORTAR FOR LOAD SEARING MASONRY SHALL BE TYPE M AND CONFORM TO ASTN C270.
- REINFORCING BARS FOR REINFORCED HASOURY SHALL CONFORM TO ASTH A615-60.
- VERTICAL CELLS TO BE FILLED WITH GROUT SHALL BE ALIGNED TO PHOVID A CONTINUOUS, UNDESTRUCTED OPENING. CELLS WHICH WILL CONTAIN VERTICAL REINFORCEMENT SHALL BE A MINIMUM OF TWO (2) TMCHES.
- GROUT FOR FILLING REINFORCED OR NON-BEINFORCED CELLS SHALL BE CONSOLIBATED IN PLACE BY VIRRATION OR OTHER METHODS WHICH ENSURE COMPLETE FILLING OF THE CELLS.
- HOLLOW UNITS SMOULD BE LAID WITH FULL MONTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SMELLS EXCEPT THAT WERE SHOULD ALSO BE DEDUCED MOVE THEY ARE ADJACTAT TO CELLS TO BE REINFORCED AND/OR FILLED WITH GROOT.
- ALL CUTTING AND FITTING OF MASOWRY, INCLUDING THAY REQUIRED TO ACCOMPRIATE THE MORK OF OTHER TRACES, SWALL BE DONE BY MASOWRY MECHANICS WITH MASOWRY SAY.
- - ALL WALLS AND PIERS SHALL HAVE HORIZONTAL JOINT BEINFONCEMENTS AT 16" e/e CONSISTING OF TWO (2) 9-GAUGE BODS WITH 9-GAUGE CROSS THES AT 16" e/e, GALVANIZED WITH 0-8 GZ. ZING COATING, ASTR ALIS, CLASS 3.
  - THE MINIMUM CLEAR DISTANCE BETWEEN PARALLEL BANS EXCEPT IN COLUMNS SHALL BE EQUAL TO THE MOMINAL BEAMETER OF THE BAR.
  - VERTICAL RETWONCEPENT SHALL BE LAP SPLICED A RUBBIN OF 20 BAR DIAMETERS WHERE REQUIRED.
  - d. ALL BARS SHALL BE COMPLETELY EMBEDGED IN MORTHE OR GROUT, ALL BARS SHALL HAVE A COVERAGE OF MASORY NOT LESS THON:
    - BARS LARGER THAN #5 2" #5 BARS OR SMALLER 1 1/2"
- AMCHORS, WALL PLICS, ACCESSORIES AND OTHER ITEMS TO BE BUELT IN SMALL BE INSTALLED AS THE HASOMRY MORE PROGRESSES.

## STRUCTURAL STEEL MOTES

- ALL DETAILING, FARRICATION AND EMECTION SMALL CONFORM TO ASSC SPECIFICATIONS AND COMES, LATEST EDITION.
- ALL STRUCTURAL STEEL SMALL BE OF THE FOLLOWING ASTM DESIGNATIONS UNLESS HOTED OTHERWISE.
- ALL STRUCTURAL STEEL SHAPES, ROOS, AND PLATES

ASTM A36

b. STRUCTURAL TUBING

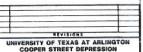
ASTR ASDO, GRADE B

ASTR ASOL

- 3. ALL BOLTS, MNTS AND MASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325.
- 4. ALL WELDING ELECTRODES SHALL BE ETOXY, UNLESS NOTED OTHERWISE.
- ALL WELDING SHALL BE DONE BY QUALIFIED, CERTIFIED WELDERS AND SHALL COMPORN TO SOMPT SPECIFICATIONS.
- 6. ALL CONNECTIONS SHALL BE AS DETAILED ON THE DRAWINGS.
- ALL SIMPLE SWEAR CONNECTIONS SMALL BE CAPABLE OF END NOTATION AS PER THE REQUIREMENTS. OT THE AISC CODE, SECTION 1.15.4 ON UNRESTRAINED MEMBERS.
- ALL FILLET WELDS SHALL BE A HINIMUM OF 1/4 IMON UNLESS MOTED OTHERWISE.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCES WITH RELATION TO TEMPERATURE DIFFERENTIALS AND STRUCTURAL STABLETY.
- STEEL SHALL BE CLEANED OF RUST, LOOSE WILL SCALE AND OTHER FOREIGN MATERIALS WHERE REQUIRED FOR PROPER FABRICATION, FITTING UP, OR VELDING.
- THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL NEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR WRITTEN REVIEW OF THE ENGINEER.
- ALL ADDITIONAL STEEL REQUIRED BY THE CONTRACTOR FOR EXECTION PURPOSES SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR UNLESS OTHERWISE APPROVED BY THE OWNER IN MRITING.
- ALL GROUT FOR BASE PLATE SHALL BE NON-SHRINK, NON-FERROUS WITH A MINIMUM 6000 PSI COMPRESSIVE STRENGTH.
- ALL STEEL SHALL BE SHOP PRIMED. REFERENCE ARCHITECTURAL FOR PAINTING REQUIREMENTS.

## METAL DECK MOTES

- COMPOSITE METAL DECK SHALL CONFORM TO ASTM A446 WITH A MINIMUM YIELD STRENGTH OF 33 KST.
- FLOOR DECK SHALL RECEIVE GALVANIZED COATING CONFORMING TO REQUIREMENTS OF ASTM ASSS, CLASS G165.
- DECK SHALL BE ANCHORED TO SUPPORTING MEMBERS WITH MOMINAL 5/8" DIAMETER PUBDLE WELDS AT ALL EDGE RIDS AND AT 12" ON CENTER PARKINGH AT INTEREOR RIBS. THE MACENNE SPACING BETWEEN ADJACENT POINTS OF ATTACHMENT SHALL MOT EXCEED 18".
- WILESS OTHERWISE HOTED ON PLANS, FLOOR DECK SHALL BE 2" DEEP, 20 CAGE MINIPUM WITH THE FOLLOWING SECTION PROPERTIES: 1 = 0.430 IM<sup>2</sup>/FT, Sp = 0.369 IM<sup>3</sup>/FT, Sn = 0.387 IM<sup>3</sup>/FT.
- 5. DECK SHALL BE PLACED CONTINUOUS OVER A HUNDRUM OF THREE SPANS.
- BOOF GECK SHALL RE 1 1/2" DEEP, 22 GAGE MINIMUM, MARROW RID.
   WITH THE FRELOWING MINIMUM SECTION PROPERTIES: 1 0.119
   10<sup>4</sup>/FT, Sp = 0.112 [N<sup>3</sup>/FT, Sn = 0.121 [N<sup>3</sup>/FT,

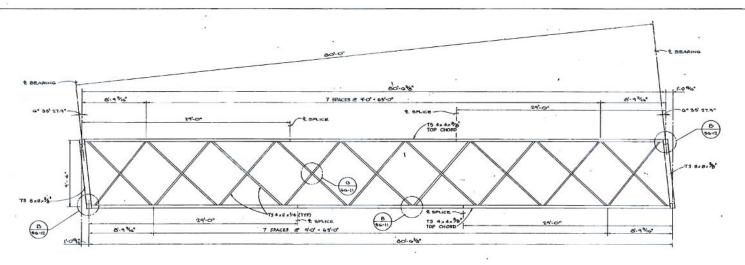


**GENERAL NOTES** 



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BRIDGE QUANTITIES

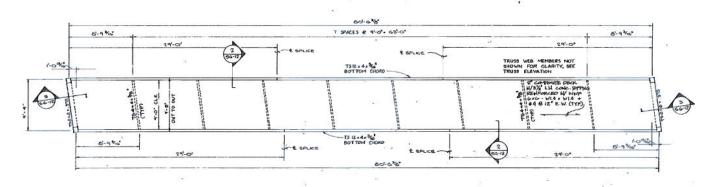
ITEM QUANTITY

STRUCTURAL STEEL (ASOO) IS 383 LEG
CLASS 'H' CONCRETE 10-2 C-Y
PORTION OF THE PROPERTY THE PARTY TO LEG
METAL BUCK TES 67

STRUCTURAL STEEL (HYC) S95 LEG

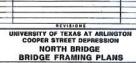
A UPPER FRAMING PLAN





B LOWER FRAMING PLAN

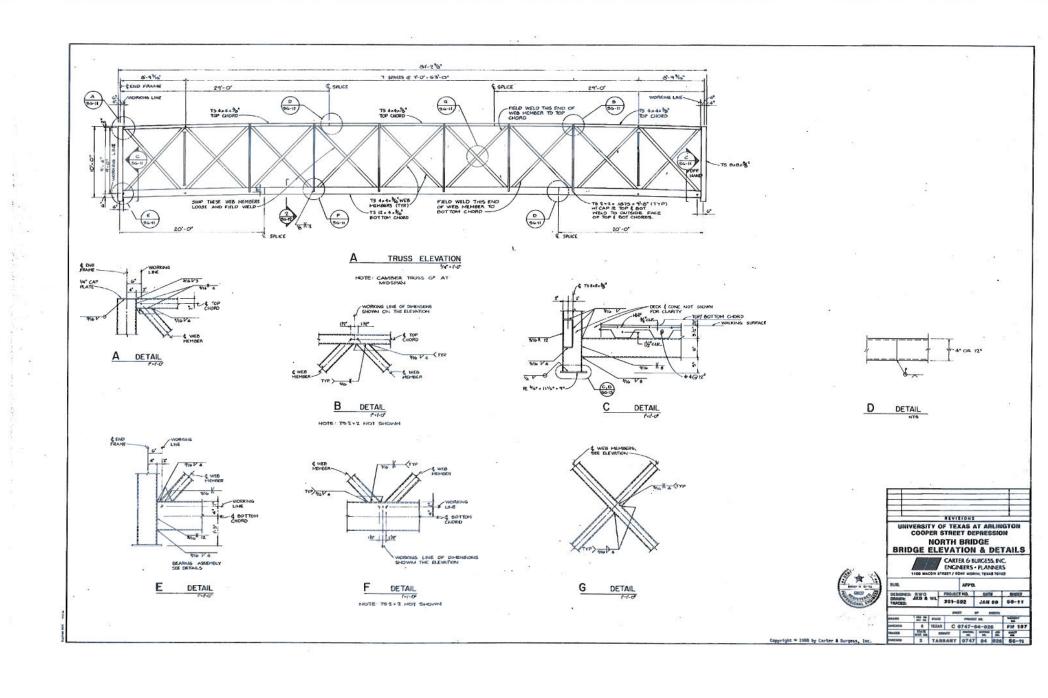


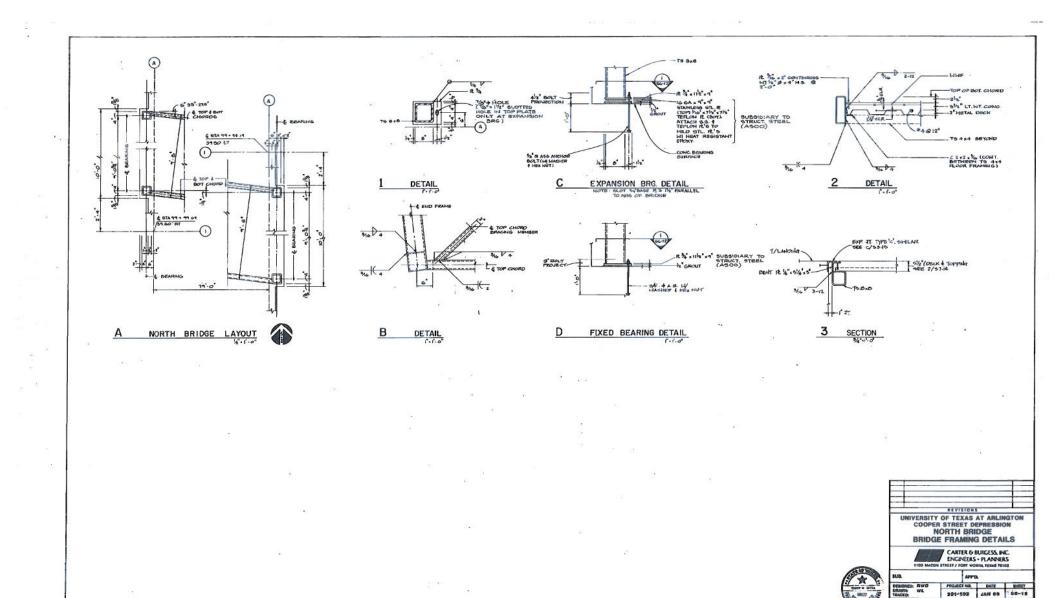


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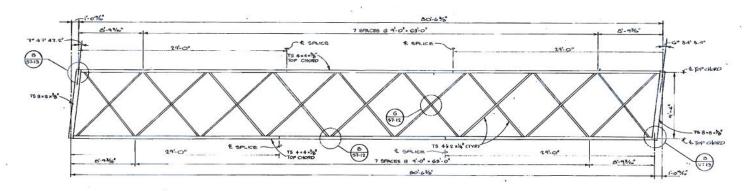
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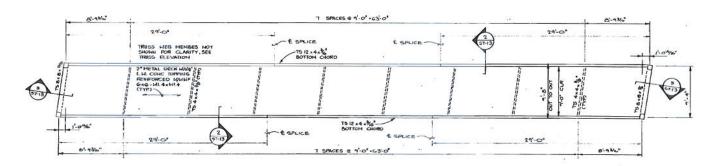


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BRIDGE QUANT	ITIES	
. ITEM	QUANTITY	
STRUCTURAL STEEL (ASOO)	15,383 LBS	
CLASS 'HI CONCRETE	10.2 CY.	
RENFORCEN STEEL (HELDED HIRE FLABRIC HICLIDICE)	760 LBS.	
METAL DECK	725 6 F.	
STRUCT STEEL (HYC)	595 LBS	

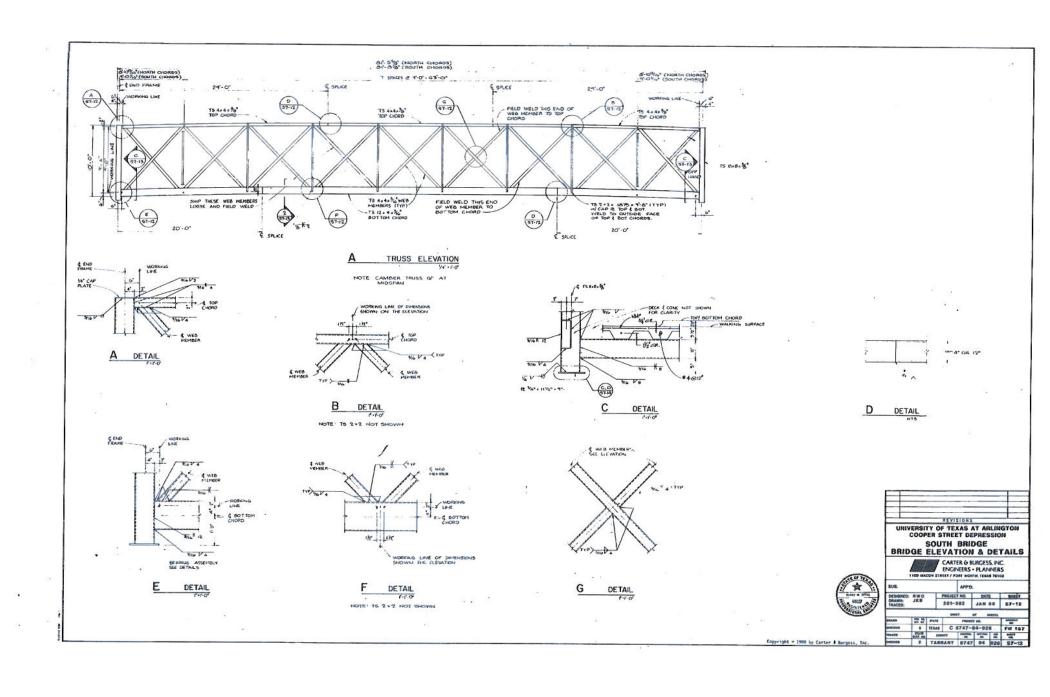
# UPPER FRAMING PLAN

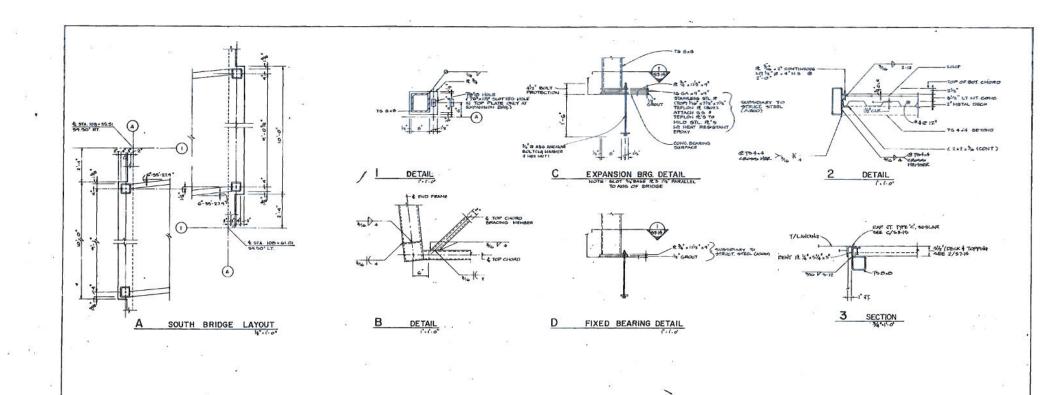


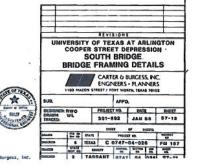




| Pic. 10 | Pic.







## **Graphics View 1**

Zoom 1.953X

