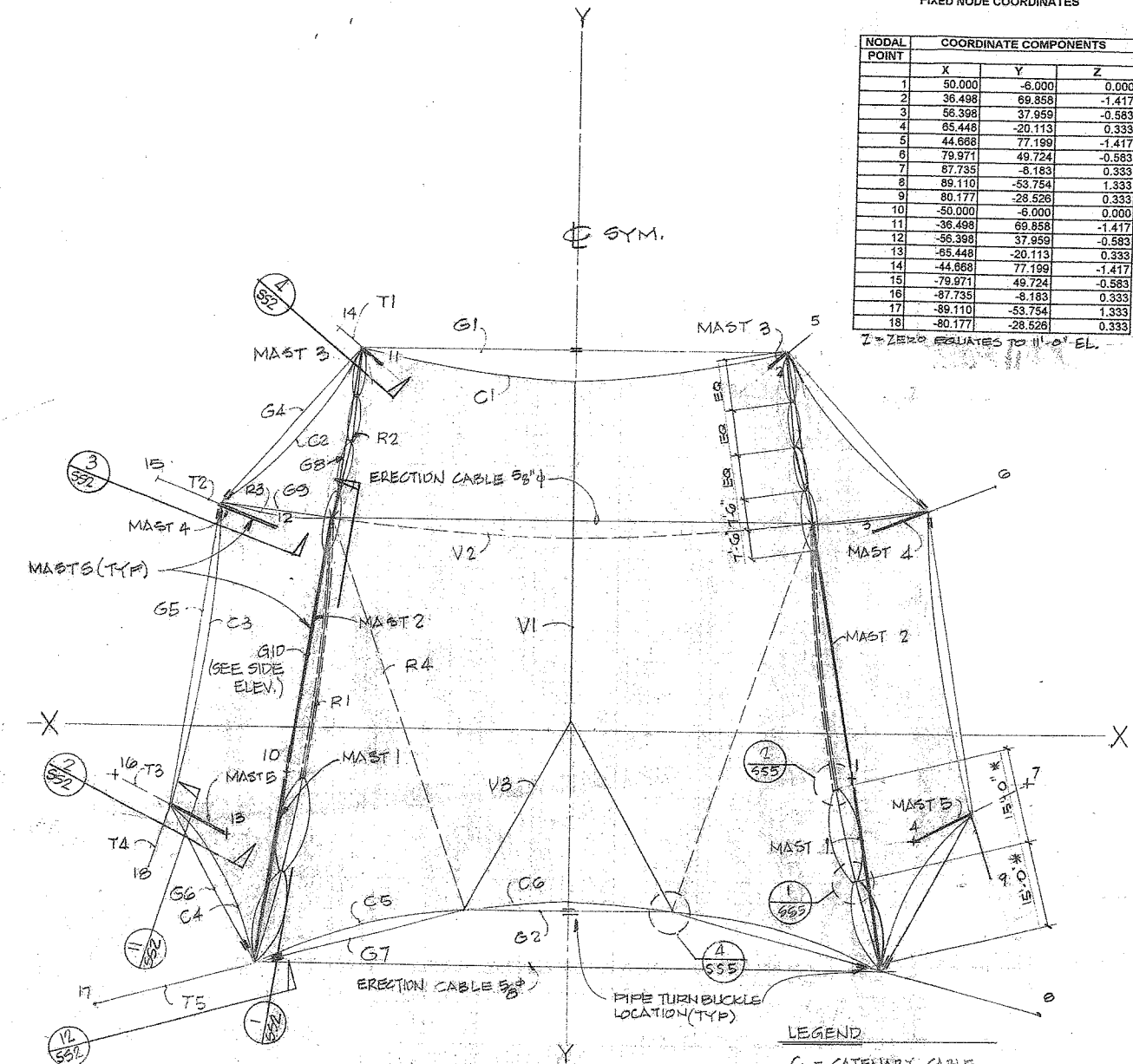


FIXED NODE COORDINATES

NODAL POINT	COORDINATE COMPONENTS		
	X	Y	Z
1	50.000	-6.000	0.000
2	36.498	69.858	-1.417
3	56.398	37.959	-0.583
4	85.448	-20.113	0.333
5	44.668	77.199	-1.417
6	79.971	49.724	-0.583
7	87.735	-8.183	0.333
8	89.110	-53.754	1.333
9	80.177	-8.000	0.333
10	-50.000	-28.526	0.000
11	-36.498	69.858	-1.417
12	-56.398	37.959	-0.583
13	-85.448	-20.113	0.333
14	-44.668	77.199	-1.417
15	-79.971	49.724	-0.583
16	-87.735	-8.183	0.333
17	-89.110	-53.754	1.333
18	-80.177	-28.526	0.333

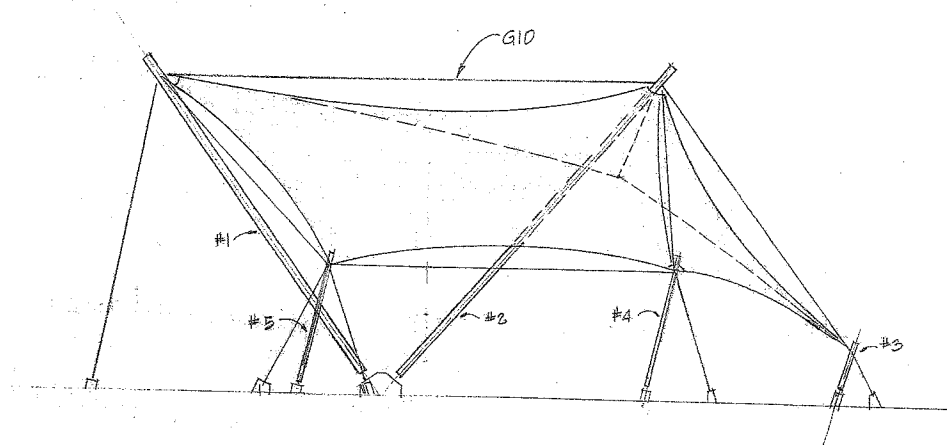
Z = ZERO RELATES TO 11'-0" EL.



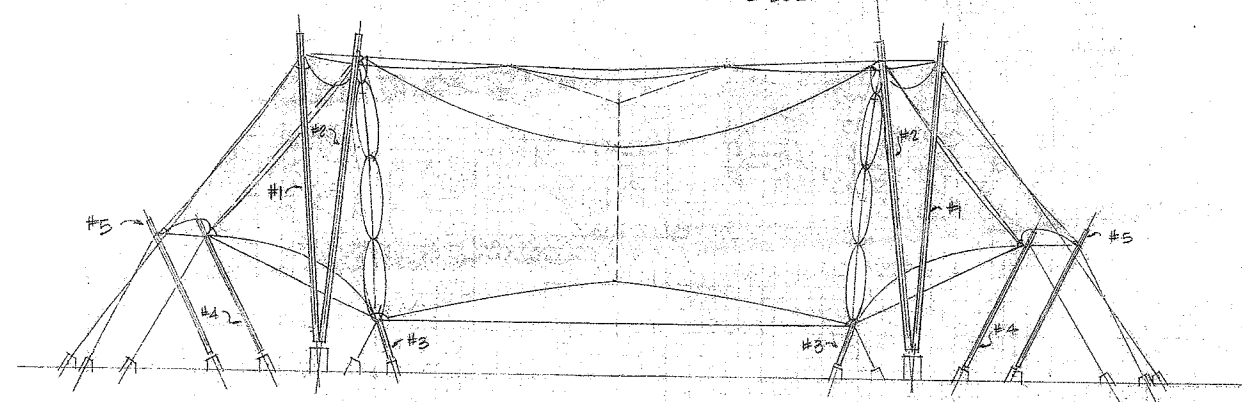
FABRIC CANOPY PLAN
N.T.S.

* LENGTH IS TRUE LENGTH ALONG CABLE

- LEGEND
- C - CATENARY CABLE
 - G - GUY CABLE
 - R - RIDGE CABLE
 - V - VALLEY CABLE
 - T - TIE-BACK CABLE
 - MAST - STEEL PIPE COL.



SIDE ELEVATION
N.T.S.



FRONT ELEVATION
N.T.S.

Revisions

Revision No.	Description	Date	By	App'd. By

APPROVED BY: _____ DATE: _____

CITY ENGINEER
STOCKTON, CALIF.

Dwg. By: M.HOOD Job No. 97070

Chk. By: CH Date: 3/22/99

Client
SULLIVAN & BRAMPTON

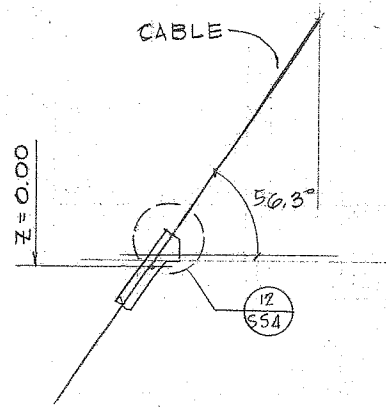
Project
WEBER POINT
FABRIC CANOPY
CITY OF STOCKTON CA.

STEEL DESIGN
PACKAGE

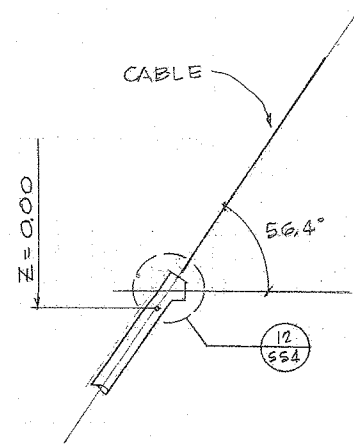
Dwg. Title
FABRIC CANOPY PLAN
& ELEVATIONS

Dwg. No. SS 1 Of 6

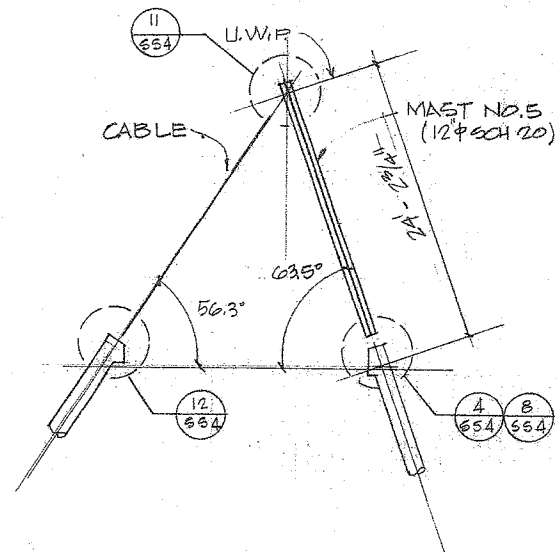
S&B SUBMITTAL WEBER POINT FABRIC STRUCTURE, STEEL DESIGN PLAN



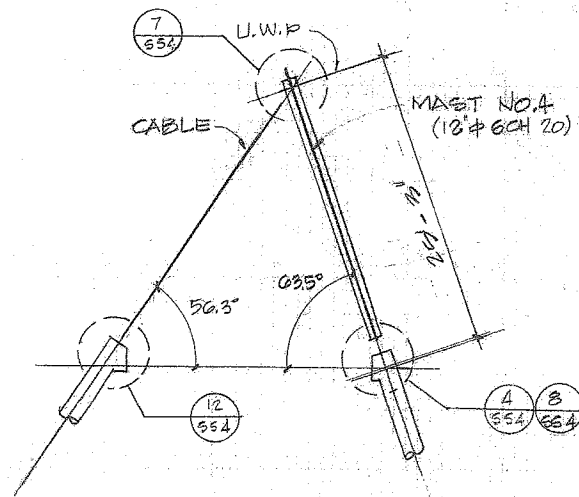
SECTION 11
1/8" = 1'-0" 11/554



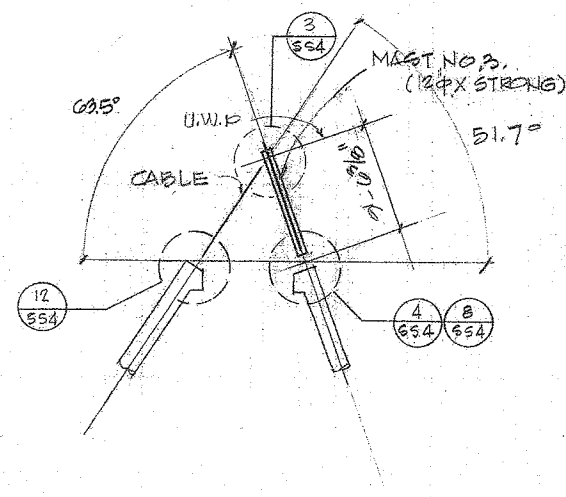
SECTION 12
1/8" = 1'-0" 12/554



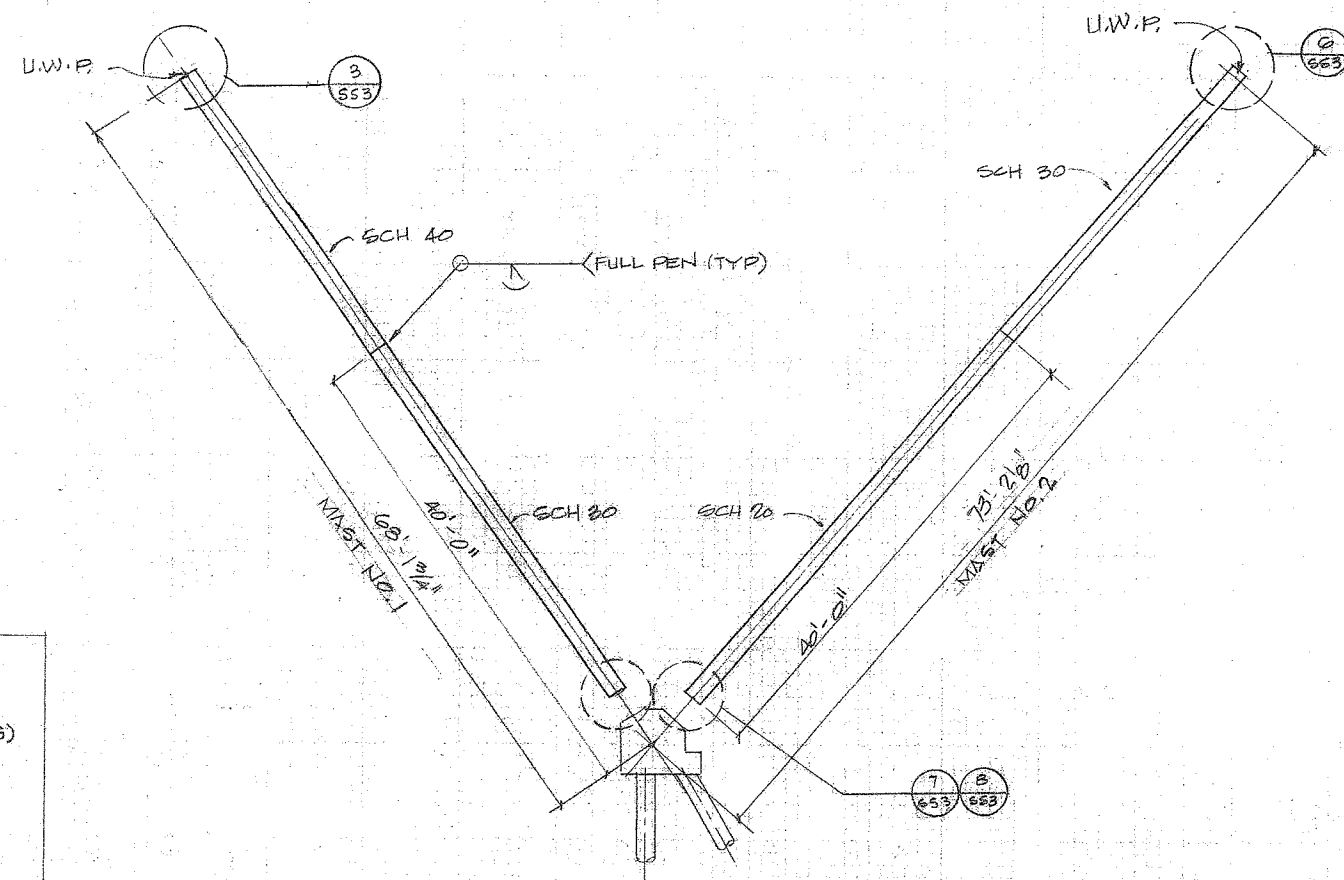
SECTION 2 MAST NO. 5
1/8" = 1'-0" 2/552



SECTION 3 MAST NO. 4
1/8" = 1'-0" 3/552



SECTION 4 MAST NO. 3
1/8" = 1'-0" 4/552



SECTION 1
1/8" = 1'-0" 1/552

Revision No.	Description	Date	By	Apprvd. By

APPROVED BY: DATE:

CITY ENGINEER
STOCKTON, CALIF.

Dwg. By M. HOOD Job No. 07070

Chk. By CH Date 3/20/99

Client
SULLIVAN & BRAMPTON

Project
WEBER POINT
FABRIC CANOPY
CITY OF STOCKTON CA.

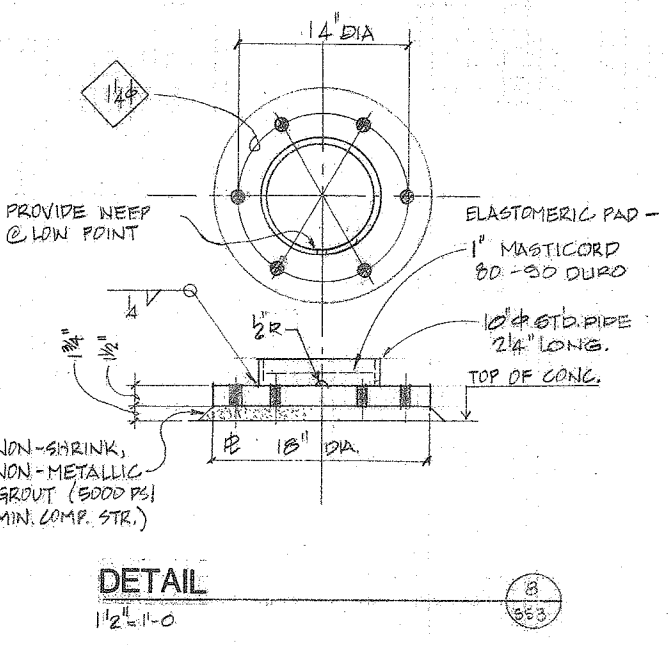
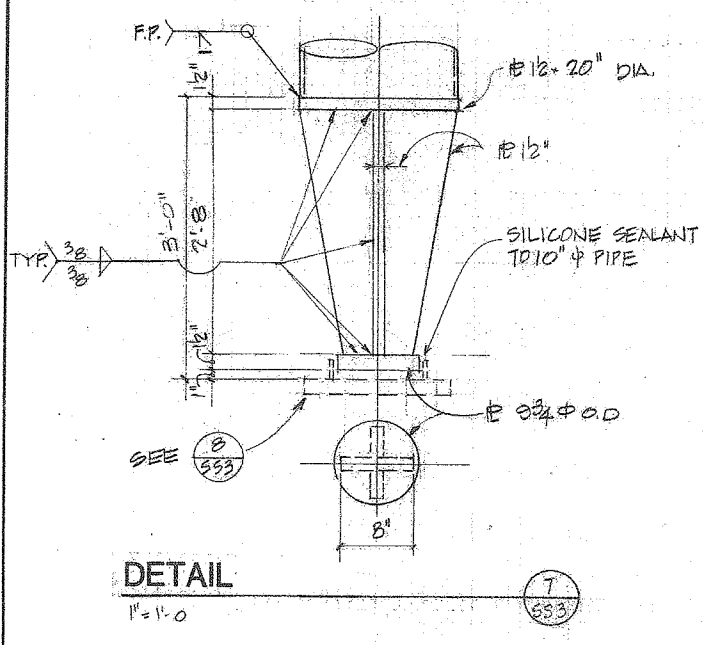
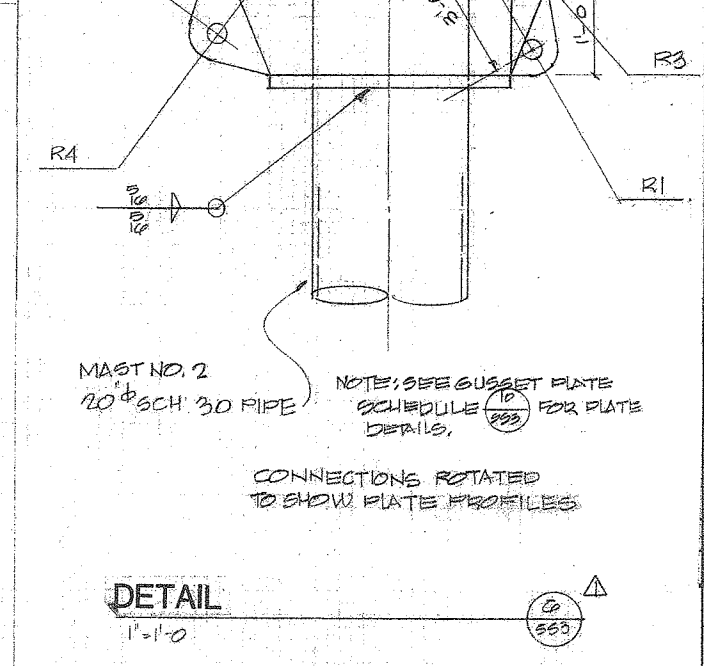
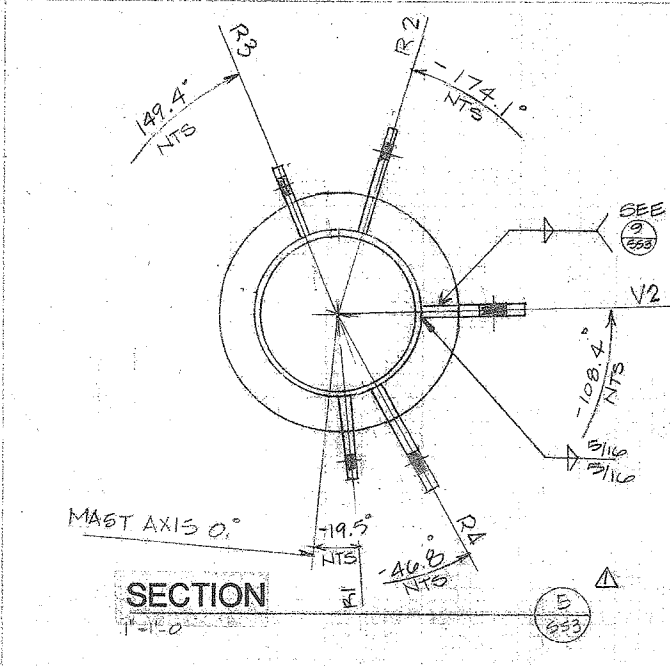
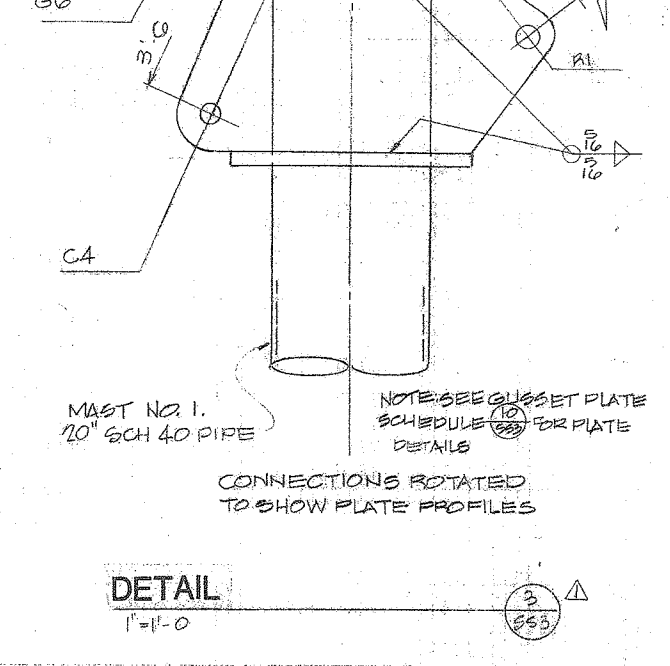
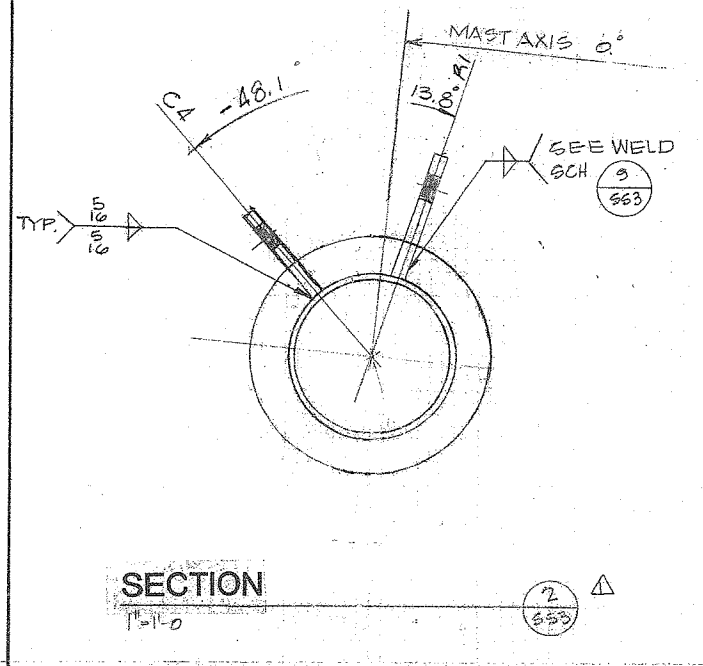
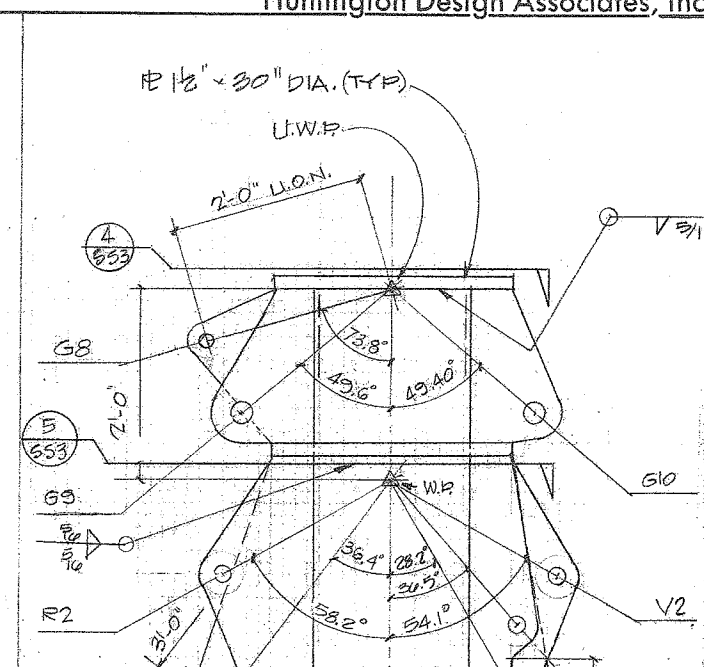
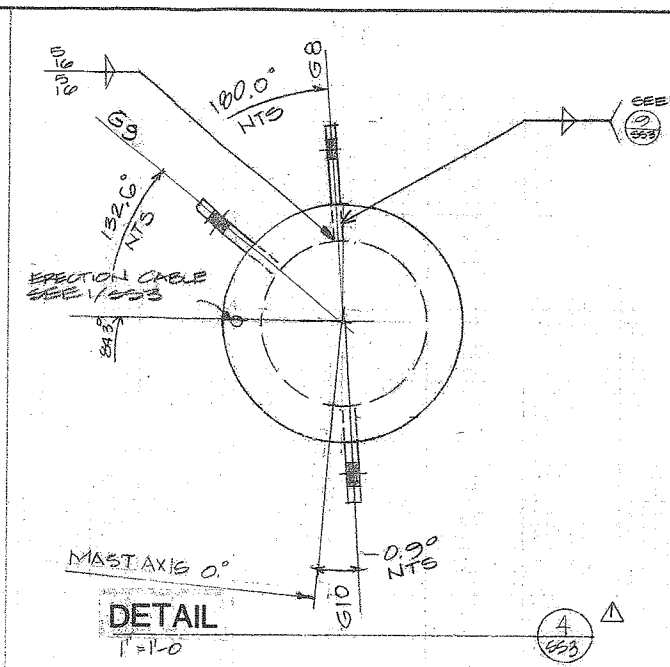
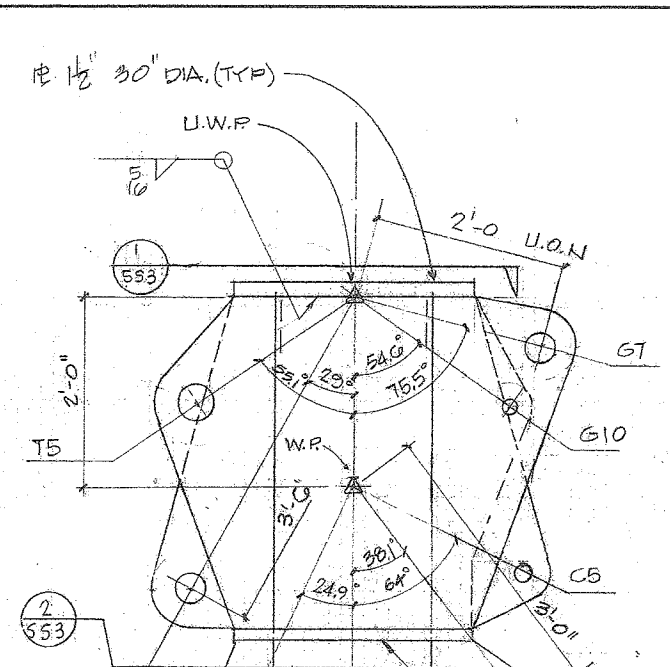
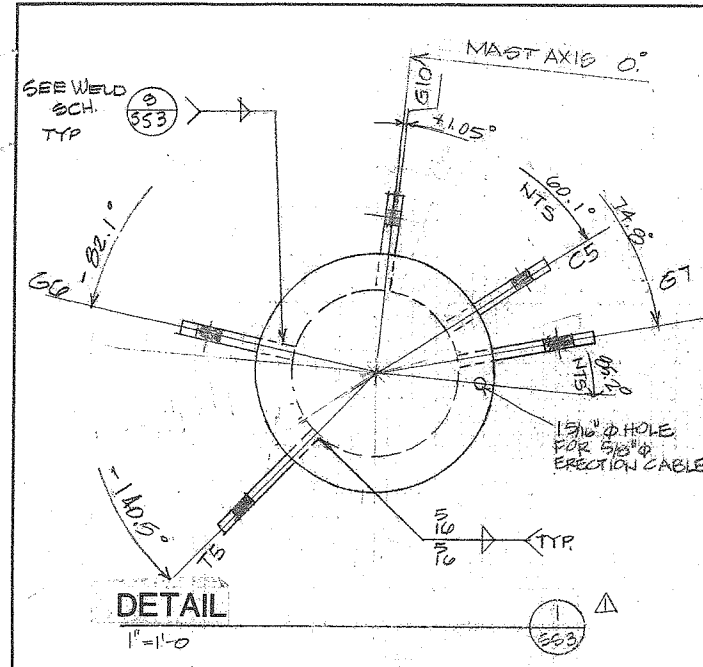
STEEL DESIGN
PACKAGE

Dwg. Title
FABRIC CANOPY
SECTIONS

Dwg. No. Of

552 6

3RD SUBMITTAL WEBER POINT FABRIC STRUCTURE, STEEL DESIGN PLAN



WELD SCHEDULE

CABLE CONNECTION	WELD SIZE
G7	1/2"
T5	1/2"
T1	1/2"
C1	1/2"
G9	1/2"
T2	1/2"
G6	1/2"
T3	1/2"
ALL OTHERS	1/2"

GUSSET PLATE SCHEDULE

CABLE Ø	GUSSET PLATE THICKNESS	RADIUS	BOSS PLATE THICKNESS	BOSS PLATE WELD
3/4"	3/8"	1 1/2"	1/2"	3/16"
1"	7/16"	2 1/4"	1/2"	1/4"
1 1/4"	1"	2 3/4"	3/8"	1/4"
1 3/4"	1 1/8"	3 1/8"	3/8"	3/16"
2"	1 1/2"	4 1/8"	1/2"	3/16"
2 1/4"	2"	5 1/8"	3/4"	1/4"
		5 3/4"	1"	3/16"

DETAIL 9
1"=1'-0"

Revisions

Revision No.	Description	Date	By	Appr'd. By
1	AS NOTED		CH	CH

APPROVED BY: _____ DATE: _____

CITY ENGINEER
STOCKTON, CALIF.

Dwg. By M. HORD Job No. 57070
Chk. By CH Date 3/20/09

Client
SULLIVAN & BRAMPTON

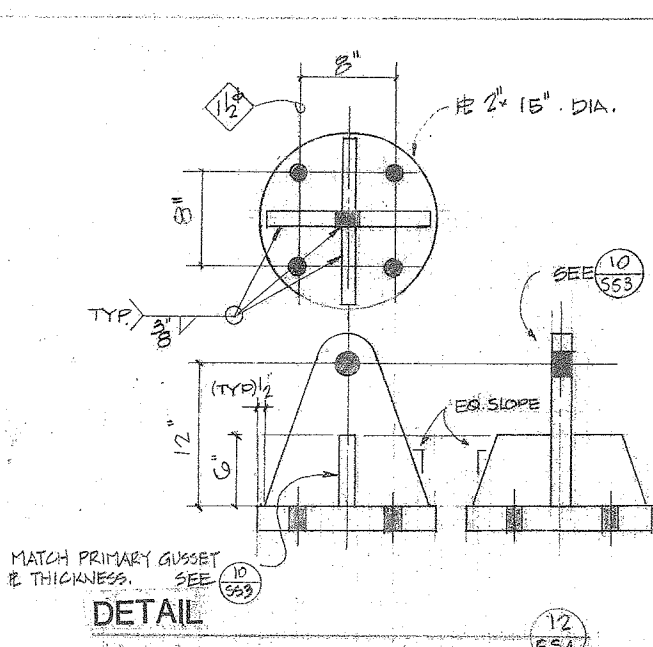
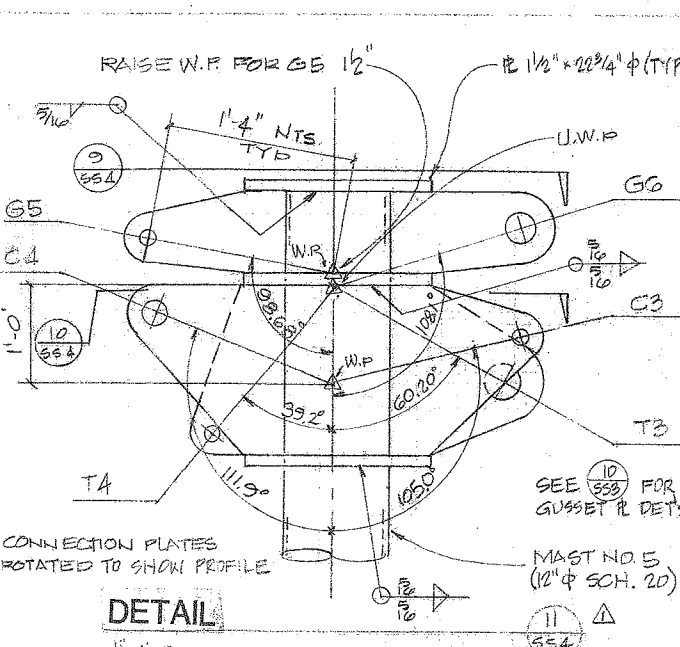
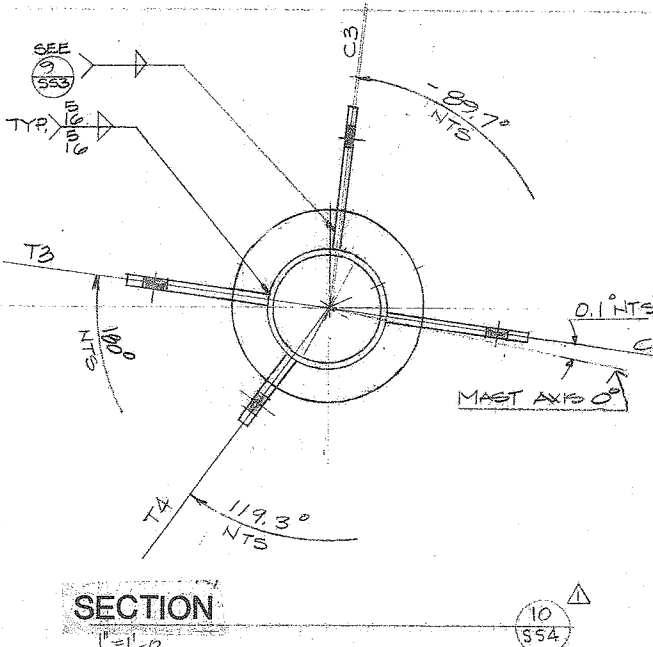
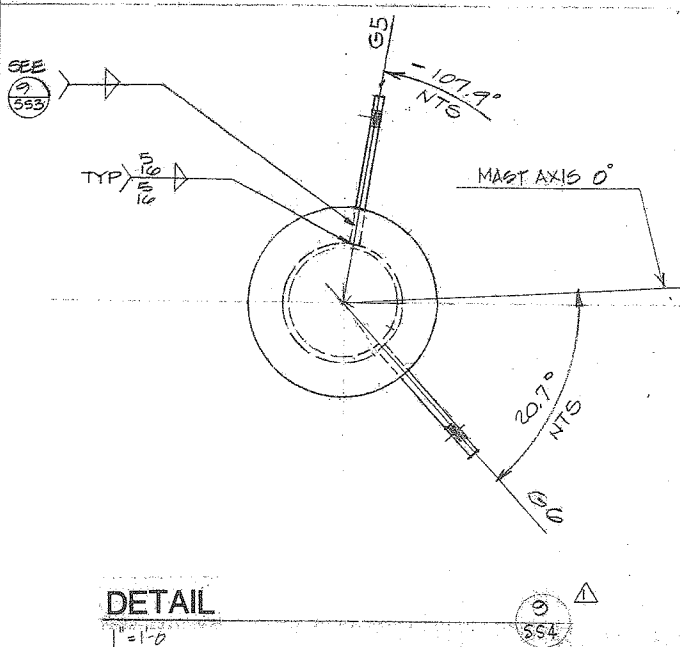
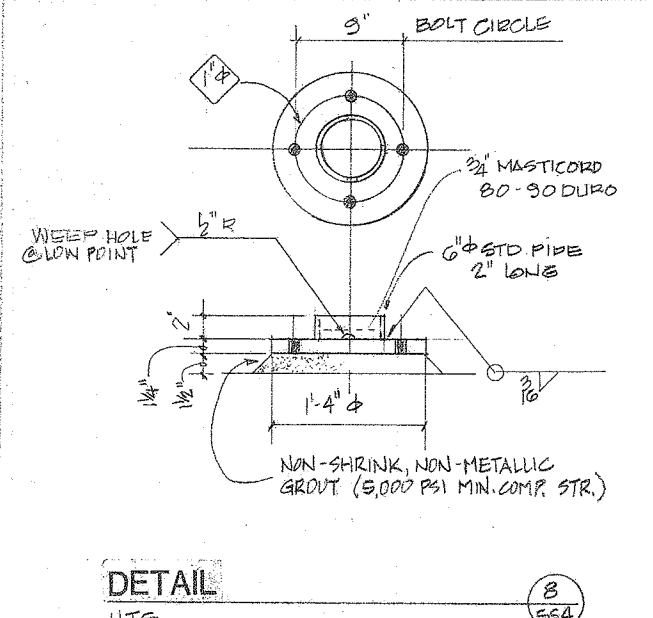
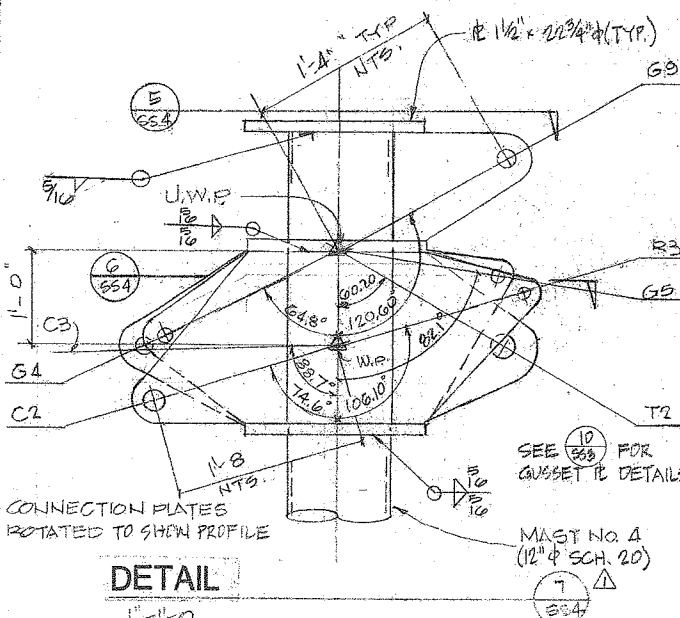
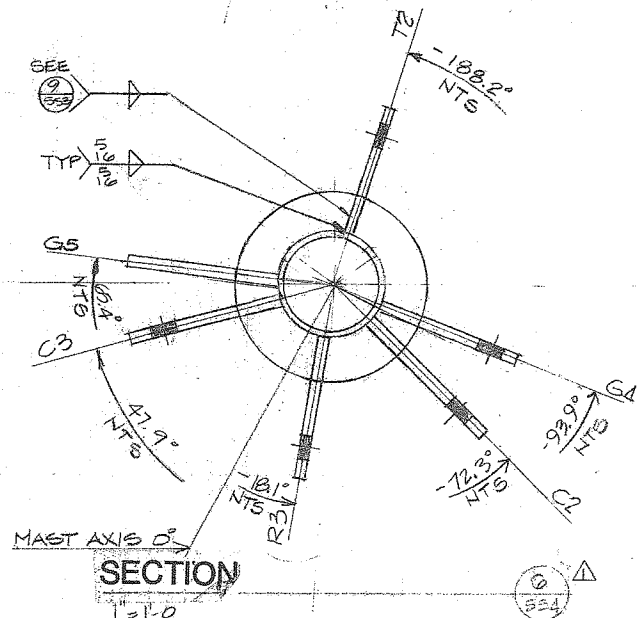
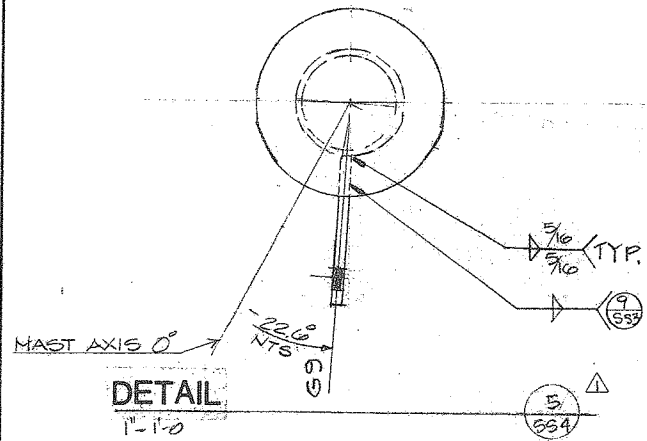
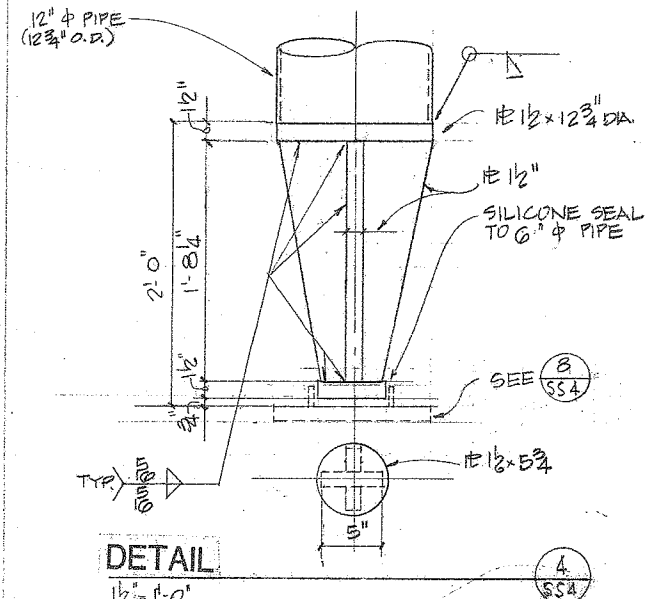
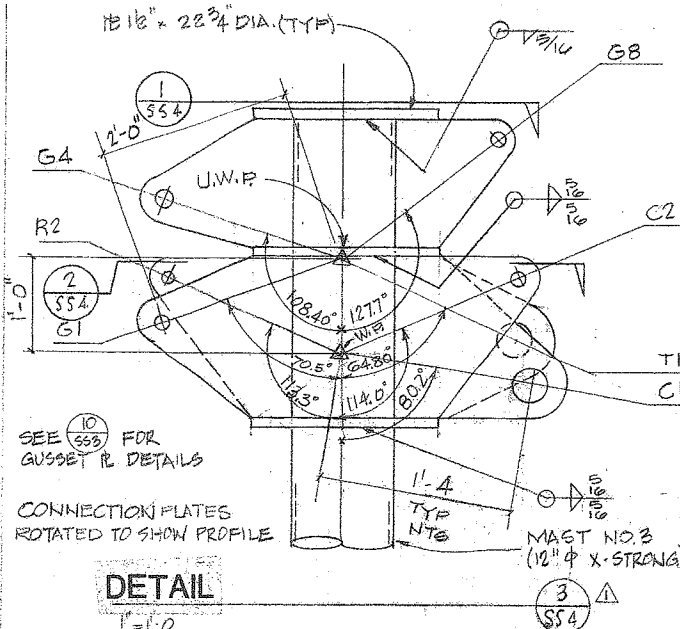
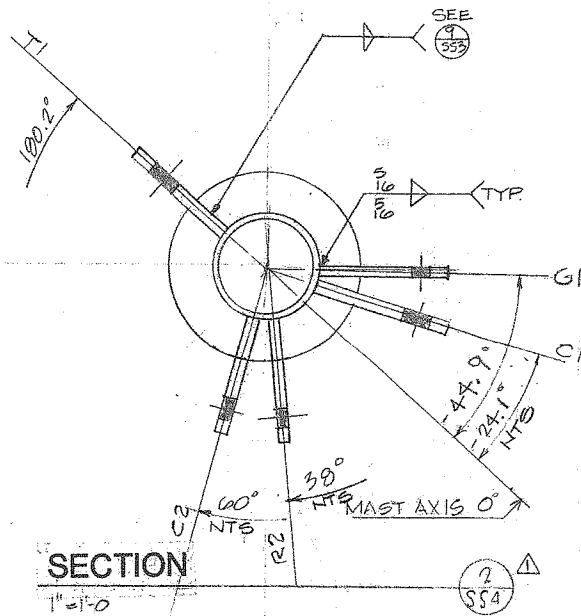
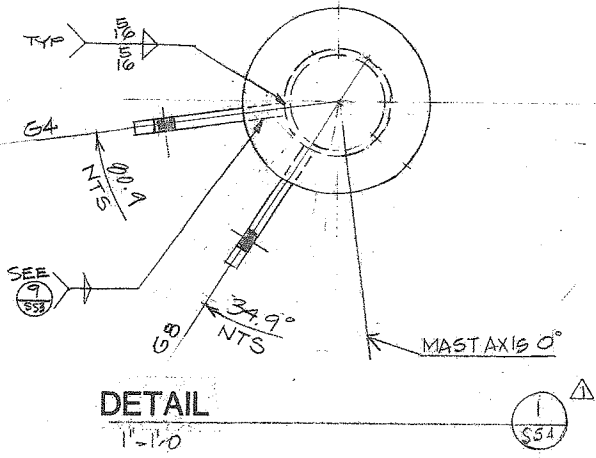
Project
WEBER POINT
FABRIC CANOPY
CITY OF STOCKTON, CA.

STEEL DESIGN PACKAGE

Dwg. Title
FABRIC CANOPY
DETAILS

Dwg. No. SS3 Of 6

3RD SUBMITTAL WEBER POINT FABRIC STRUCTURE, STEEL DESIGN PLAN



Revisions				
Revision No.	Description	Date	By	App'd. By
1	AS NOTED		CH	CH

APPROVED BY: DATE:

CITY ENGINEER
STOCKTON, CALIF.

Dwg. By: M. HOOD Job No. 37070
Chk. By: CH Date 3/26/99

Client
GULLIVAN & BRAMPTON

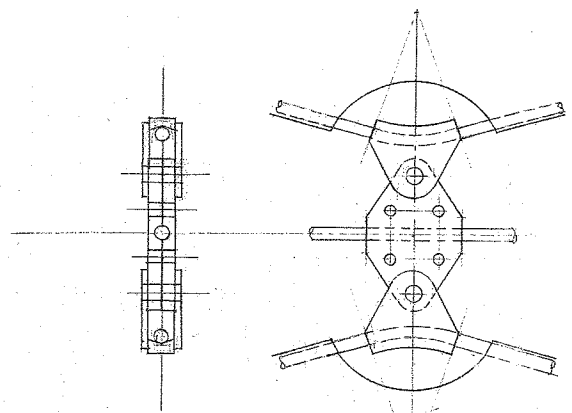
Project
WEBER POINT
FABRIC CANOPY
CITY OF STOCKTON CA.

STEEL DESIGN
PACKAGE

Dwg. Title
FABRIC CANOPY
DETAILS

Dwg. No. SS4 Of 6

3RD SUBMITTAL WEBER POINT FABRIC STRUCTURE - STEEL DESIGN PLAN

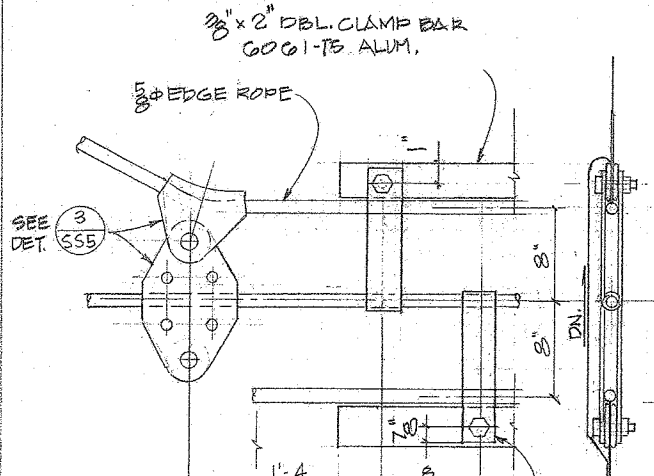


DETAIL

1 1/2"=1'-0"

SEE DET. 3
555
FOR ADDN INFO

1
555



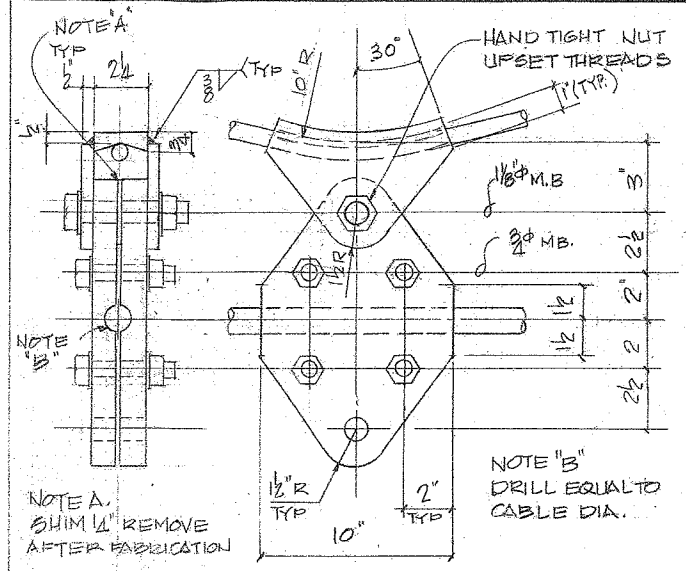
NOTE: FABRIC NOT SHOWN FOR CLARITY

DETAIL

1 1/2"=1'-0"

3/8" x 2" DBL. CLAMP BAR
6061-T5 ALUM.
3/8" EDGE ROPE
U CLAMP @ 16" O.C.
8 x 2 6061 T5 ALUM.
1/2" SS BOLT

2
555



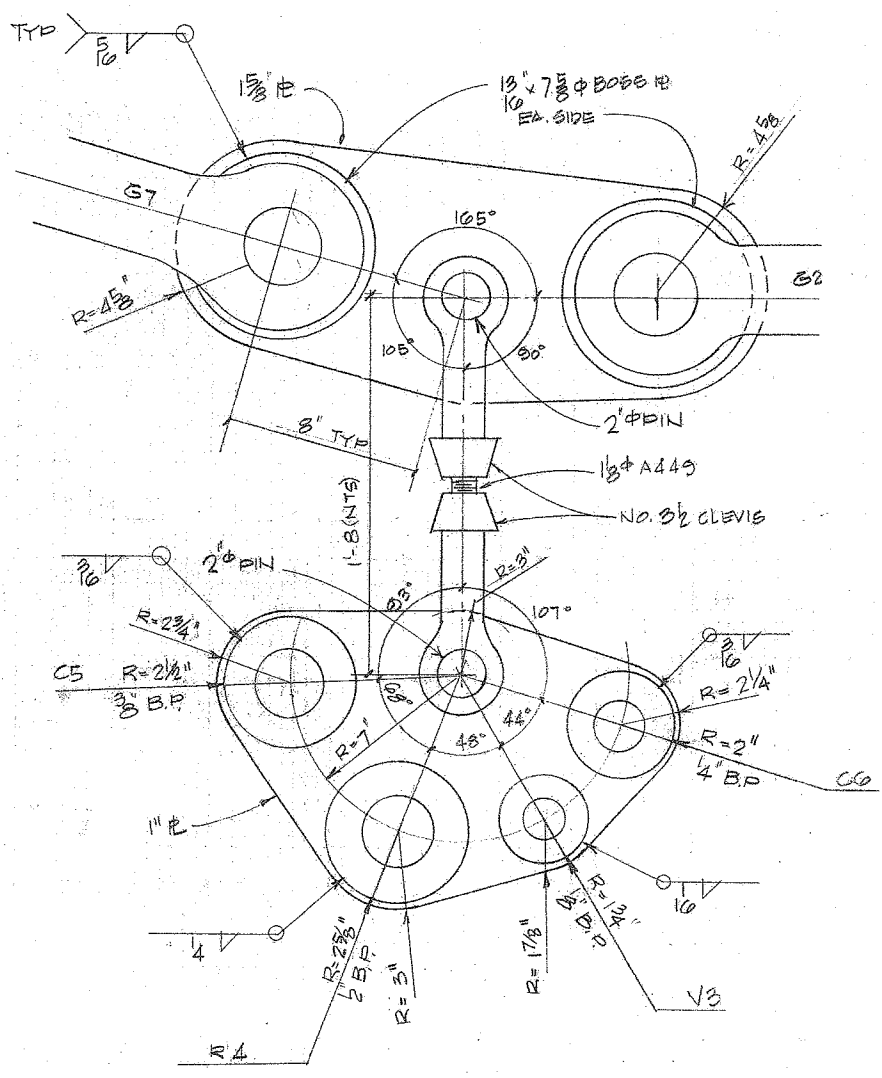
NOTE A. SHIM 1/4" REMOVE AFTER FABRICATION

DETAIL

3"=1'-0"

NOTE "B"
DRILL EQUAL TO
CABLE DIA.

3
555



DETAIL

3"=1'-0"

4
555

Revisions				
Revision No.	Description	Date	By	Appr. By

APPROVED BY: DATE:

CITY ENGINEER
STOCKTON, CALIF.

Dwg. By M.HOOD Job No. 97070

Chk. By CH Date 5/20/99

Client
SULLIVAN & BRAMPTON

Project
WEBER POINT
FABRIC CANOPY
CITY OF STOCKTON CA.
STEEL DESIGN
PACKAGE

Dwg. Title
FABRIC CANOPY
DETAILS

Dwg. No. SS5 Of 6

3RD SUBMITTAL WEBER POINT FABRIC STRUCTURE, STEEL DESIGN PLAN

GENERAL NOTES

1. CHANGES TO THESE PLANS OR THEIR USE FOR PROJECT OR APPLICATION NOT ORIGINALLY INTENDED MUST BE APPROVED IN WRITING BY THE ENGINEER. THE ENGINEER WILL NOT BE RESPONSIBLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES. ALL DIMENSIONS FOR EXISTING CONSTRUCTION ARE APPROXIMATE AND MUST BE FIELD VERIFIED.
3. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. SIMILAR CONDITIONS SHALL BE BUILT IN ACCORDANCE WITH THE INFORMATION SHOWN, SUBJECT TO THE ENGINEER'S APPROVAL. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTING OR MISSING INFORMATION PRIOR TO COMMENCING WORK.
4. THE CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR DETERMINATION AND EXECUTION OF THE METHODS OF CONSTRUCTION AND FOR ALL SAFETY PRECAUTIONS TAKEN DURING CONSTRUCTION. SITE VISITS BY THE STRUCTURAL ENGINEER WILL NOT INCLUDE INSPECTION OF THE MEANS OF CONSTRUCTION.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE UNIFORM BUILDING CODE, 1994 EDITION, THE CITY OF STOCKTON STANDARD SPECIFICATION AND PLANS 1995 EDITION, AND ALL AMENDMENTS THERETO TO DATE.

FABRIC MEMBRANE

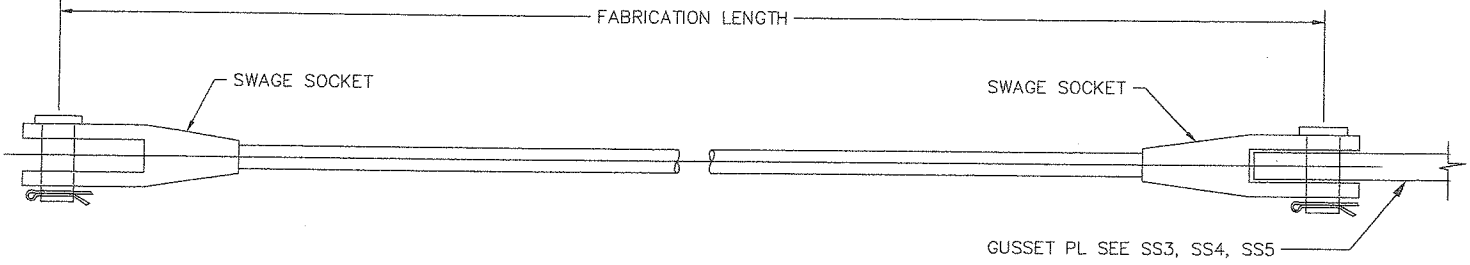
1. FABRIC SHALL BE WHITE FERRARI 1002.
2. SEAMS SHALL BE HEAT-SEALED AS REQUIRED TO DEVELOP THE FULL STRENGTH OF THE FABRIC.
3. CABLES SHALL BE WIRE ROPE CONFORMING TO ASTM A603, CLASS A. SWAGED END FITTINGS SHALL DEVELOP THE STRENGTH OF THE CABLE.

STRUCTURAL STEEL

1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL OF STEEL CONSTRUCTION, NINTH EDITION.
2. STEEL SHALL CONFORM TO ASTM A36, EXCEPT AS NOTED BELOW:
 STEEL PIPES: ASTM A53 TYPE S, GRADE B
3. TYPICAL BOLT HOLE SIZE: 1/16" LARGER THAN BOLT DIAMETER
 ANCHOR BOLT HOLE SIZE: 5/16" LARGER THAN BOLT DIAMETER
4. ALL STRUCTURAL WELDING SHALL BE SHIELDED METAL ARC WELDING. WELDING ELECTRODES SHALL BE E70XX. USE OF OTHER WELDING PROCESSES REQUIRE APPROVAL OF THE STRUCTURAL ENGINEER.
5. PROCEDURES AND JOINTS FOR ALL STRUCTURAL WELDS OTHER THAN THOSE PREQUALIFIED BY THE AMERICAN WELDING SOCIETY (AWS) REQUIRE APPROVAL OF THE STRUCTURAL ENGINEER.
6. WELDING SHALL BE PERFORMED BY WELDERS PREQUALIFIED FOR ALL WELDING PROCEDURES EMPLOYED.
7. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO FABRICATION.
8. PLATE ANGLES INDICATED ON DRAWINGS SS3 & SS4 ARE APPROXIMATE AND TO BE FINALIZED UPON COMPLETION OF FABRIC PATTERN.

SPECIAL INSPECTION

1. THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR FOR STRUCTURAL WELDING. CONTINUOUS INSPECTION NOT REQUIRED ON 1/4" OR SMALLER FILLET WELDS, EXCEPT AS NOTED ON DETAILS.



TYPICAL CABLE ASSEMBLY, U.O.N.

CABLE CHART (6X19 WIRE)

MARK NO.	DIAMETER, IN	STRENGTH, K	FABRICATION LENGTH, FT	PRESTRESS LOAD, LB	PRESTRETCH LOAD, K	QUANTITY
T1	2.000	310	7.37	38000	207	2
T2	1.750	240	23.68	38880	160	2
T3	2.000	310	22.57	55700	207	2
T4	1.000	81	22.57	1010	54	2
T5	2.250	388	61.65	75500	258	2
G1	0.750	46	76.68	682	31	1
G2	1.750	240	33.90	56800	160	1
G4	0.750	46	40.04	362	31	2
G5	0.750	46	55.93	982	31	2
G6	1.500	178	46.42	43500	118	2
G7	2.000	310	34.46	58800	207	2
G8	0.750	46	54.54	1400	31	2
G9	1.375	150	37.17	17900	100	2
G10	1.125	101	83.74	23400	67	2
R1	1.125	101	83.38	11270	67	2
R2	0.750	46	55.60	7520	31	2
R3	0.750	46	37.00	7520	31	2
R4	1.125	101	75.89	6760	67	2
V1	1.125	101	70.33	10000	67	1
V2	0.875	46	45.50	8000	31	2
V3	0.875	46	36.53	5630	31	2
C1	1.750	240	34.46	30000	160	2
C2	1.000	81	40.93	9010	54	2
C3	1.125	101	57.13	15000	67	2
C4	1.125	101	46.07	12050	67	2
C5	1.000	81	35.28	9000	54	2
C6	1.000	81	16.14	90000	54	2

- NOTES: 1. CABLES TO BE TENSIONED TO PRESTRETCH LOAD, AND RELEASED PRIOR TO FABRICATION.
 2. FABRICATION LENGTHS ARE APPROXIMATE AND TO BE FINALIZED UPON COMPLETION OF FABRIC PATTERN.

LEGEND

- B.P. BOSS PLATE
- F.P. FULL PENETRATION
- N.T.S. NOT TO SCALE
- PL PLATE
- SCH. SCHEDULE
- S.S. STAINLESS STEEL
- U.O.N. UNLESS OTHERWISE NOTED
- U.W.P. UPPER WORK POINT
- W.P. WORK POINT
- MB MACHINE BOLT W/NUT & 2 WASHERS (ASTM A307)
- R RADIUS

Revisions

No.	Description	Date

Dwg. By CD Job No. 97070

Chk. By CH Date 3/26/99

Client

SULLIVAN & BRAMPTON

Project

WEBER POINT
FABRIC CANOPY
CITY OF STOCKTON

STEEL PACKAGE DESIGN

Dwg. Title

FABRIC CANOPY
DETAILS

Dwg. No. SS6 of 6

3RD SUBMITTAL WEBER POINT FABRIC STRUCTURE, STEEL DESIGN PLAN