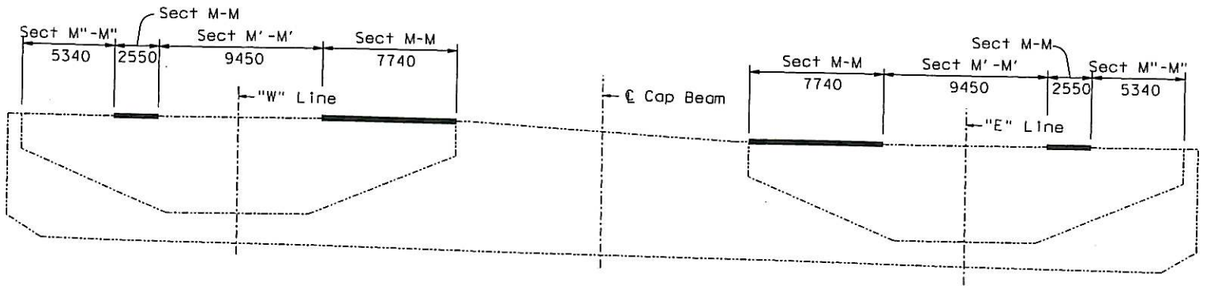
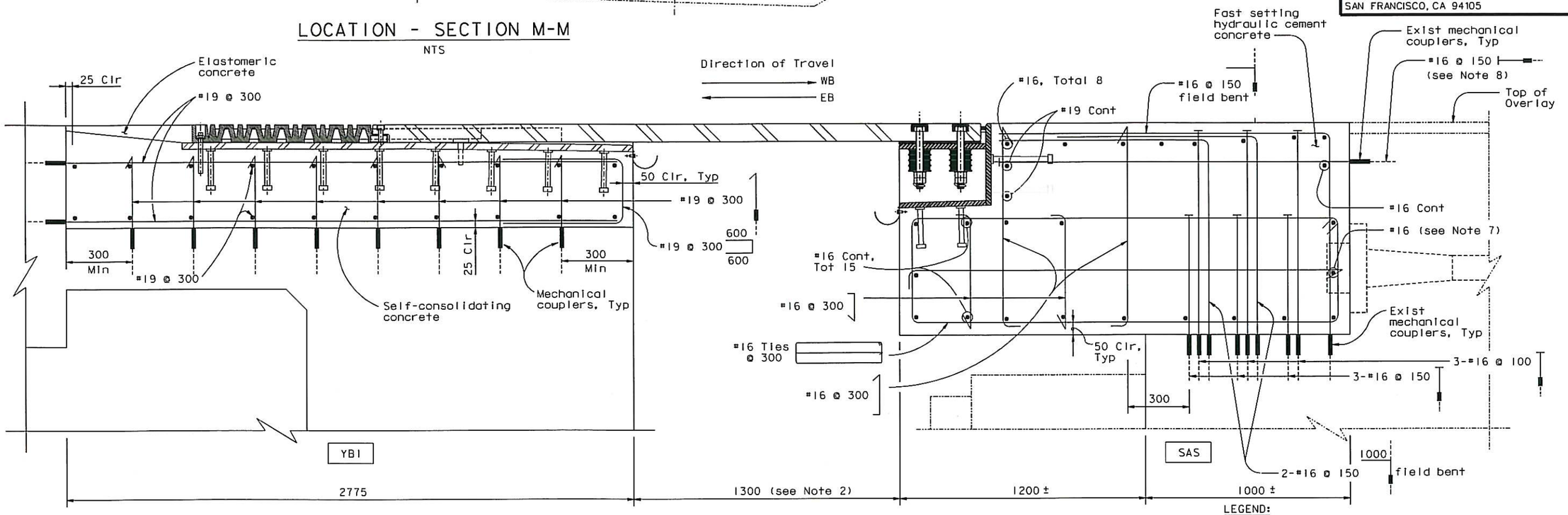


LOCATION - SECTION M-M

NTS

Note: Hinge KE & KW Expansion Joints to be furnished by others and installed by the Contractor.



SECTION M-M (See Note 9) ⚠1

1:10

LEGEND:

⊢ Indicates "T" head reinforcement.

NOTES:

1. Rebars with mechanical couplers shall extend beyond blockout limits by at least 50 d$_b$.
2. Values are for mean temperature of 20°C.
3. Contractor shall locate all existing mechanical couplers.
4. Contractor shall connect reinforcement to existing rebar couplers at blockout limits.
5. Rebars may be relocated to match existing couplers.
6. Mechanical couplers at SAS side provided by Others.
7. Rebar shall be discontinued 25 mm clear of postenslonong hardware.
8. Rebar may be bent horizontally to clear anchor studs on channel assembly.
9. ⚠1 To accommodate as-built conditions, additional rebar shall be added, if necessary, to maintain spacing and cover requirements.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

SUPPLEMENTAL SHEET
CONTRACT CHANGE ORDER NO. 311
SHEET 2 OF 4

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80/SAS	13.2/13.9	116652TR1	1204
		80/YBITS	12.7/13.2	K704A	806

REGISTERED ENGINEER - CIVIL

01-20-12
PLANS APPROVAL DATE

Registered Professional Engineer — Marwan N. Nader — No. C 054426 — Exp. 12/31/13 — CIVIL — State of California

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

T.Y. LIN / MOFFATT & NICHOL
TWO HARRISON STREET
SAN FRANCISCO, CA 94105

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
⚠1	05/29/13	HINGE K GRADE CHANGE	CR	MN	311
⚠0	01/20/12	YBI CLOSURE POUR	RM	MW	216

REVISIONS

DESIGN OVERSIGHT ADE AKINSANYA — SIGN OFF DATE

	BY	CHECKED
DESIGN	C. Redfield	M. Nader
DETAILS	H. Patel	J. Duxbury
QUANTITIES	H. Patel	J. Duxbury

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

Jal Birdy — PROJECT ENGINEER

BRIDGE NO. 34-0006 L/R
KILOMETER POST 12.8

SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT

YBI TRANSITION STRUCTURES - HINGE K

HINGE KE & KW EXPANSION JOINT DETAILS NO. 8

Rev. Date: 5-18-98

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET K155A OF 209

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Jan 6, 2012

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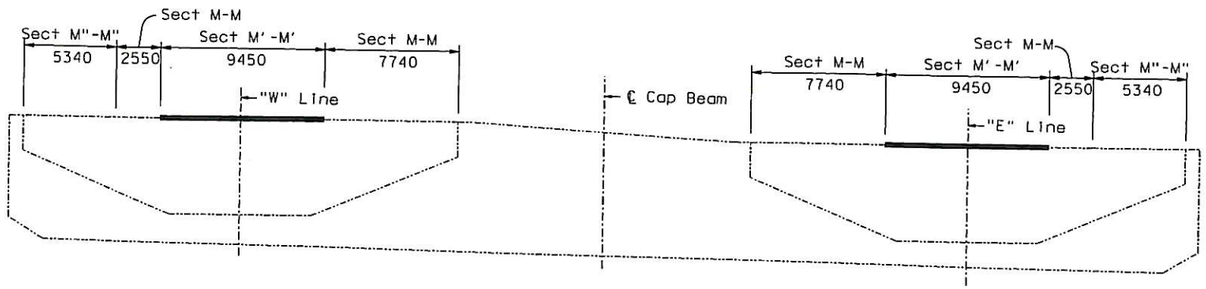

Note: Hinge KE & KW Expansion Joints to be furnished by others and installed by the Contractor.

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80/SAS	13.2/13.9	1166528R1	1204
		80/YBITS	12.7/13.2	K705A	806

REGISTERED ENGINEER - CIVIL

01-20-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Marwan N. Nader — No. C 054426 — Exp. 12/31/13 — CIVIL — STATE OF CALIFORNIA

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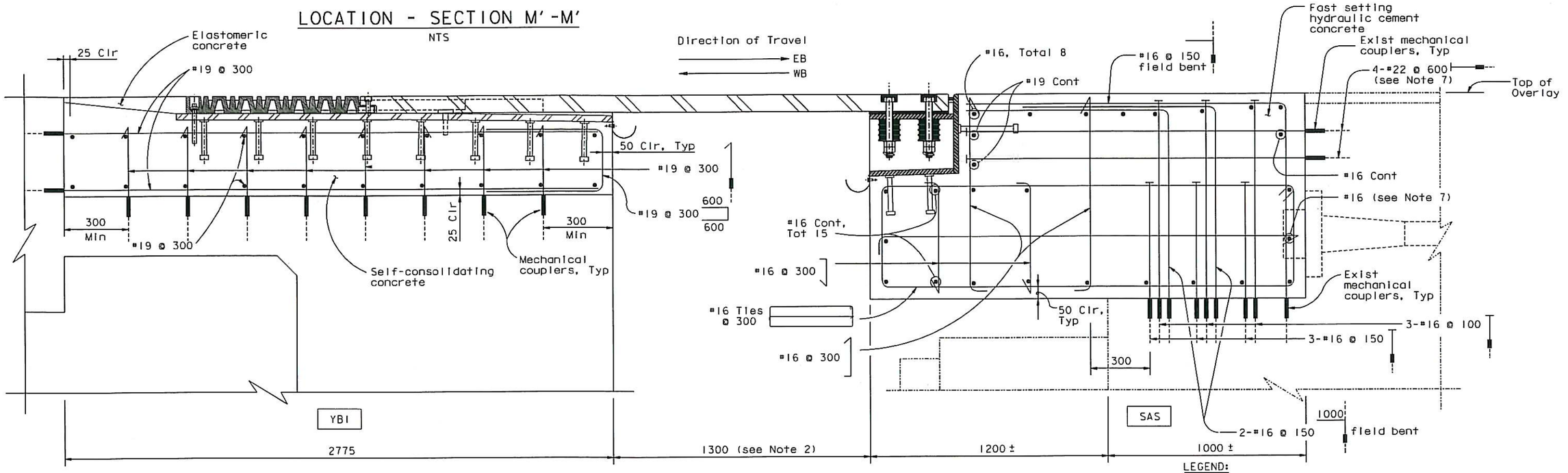
T.Y. LIN / MOFFATT & NICHOL
TWO HARRISON STREET
SAN FRANCISCO, CA 94105

LOCATION - SECTION M'-M'

NTS



LEGEND:

⊢ Indicates "T" head reinforcement.

SECTION M'-M' (See Note 9) ⚠1

1:10

NOTES:

1. Rebars with mechanical couplers shall extend beyond blockout limits by at least 50 d_b.
2. Values are for mean temperature 20°C.
3. Contractor shall locate all existing mechanical couplers.
4. Contractor shall connect reinforcement to existing rebar couplers at blockout limits.
5. Rebars may be relocated to match existing couplers.
6. Mechanical couplers at SAS side provided by Others.
7. At locations where the spacing between continuity tendons is 500 mm or less, 2-#22 bars may be placed vertically. Rebar may be bent horizontally to clear anchor studs on channel assembly.
8. Rebar shall be discontinued 25 mm clear of postensioning hardware.
9. ⚠1 To accommodate as-built conditions, additional rebar shall be added, if necessary, to maintain spacing and cover requirements.

SUPPLEMENTAL SHEET
CONTRACT CHANGE ORDER NO. 311
SHEET 3 OF 4

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
⚠1	05/29/13	HINGE K GRADE CHANGE	CR	MN	311
⚠0	01/20/12	YBI CLOSURE POUR	RM	MW	216

REVISIONS

DESIGN OVERSIGHT: ADE AKINSANYA — SIGN OFF DATE

DESIGN BY C. Redfield — CHECKED M. Nader
DETAILS BY H. Patel — CHECKED J. Duxbury
QUANTITIES BY H. Patel — CHECKED J. Duxbury

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

Jal Birdy — PROJECT ENGINEER

BRIDGE NO. 34-0006 L/R
KILOMETER POST 12.8

CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET K156AR3 OF 209

SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT

YBI TRANSITION STRUCTURES - HINGE K

HINGE KE & KW EXPANSION JOINT DETAILS NO.9

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

Rev. Date: 5-18-98

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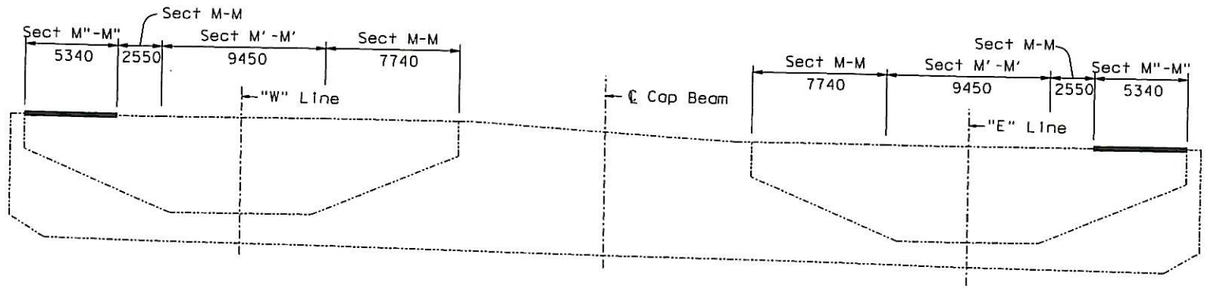
Jan 6, 2012



Note: Hinge KE & KW Expansion Joints to be furnished by others and installed by the Contractor.

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80/SAS	13.2/13.9	1166529R1	1204
		80/YBITS	12.7/13.2	K705AA	806

REGISTERED ENGINEER - CIVIL

01-20-12
PLANS APPROVAL DATE

Marwan N. Nader, No. C 054426, Exp. 12/31/13, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

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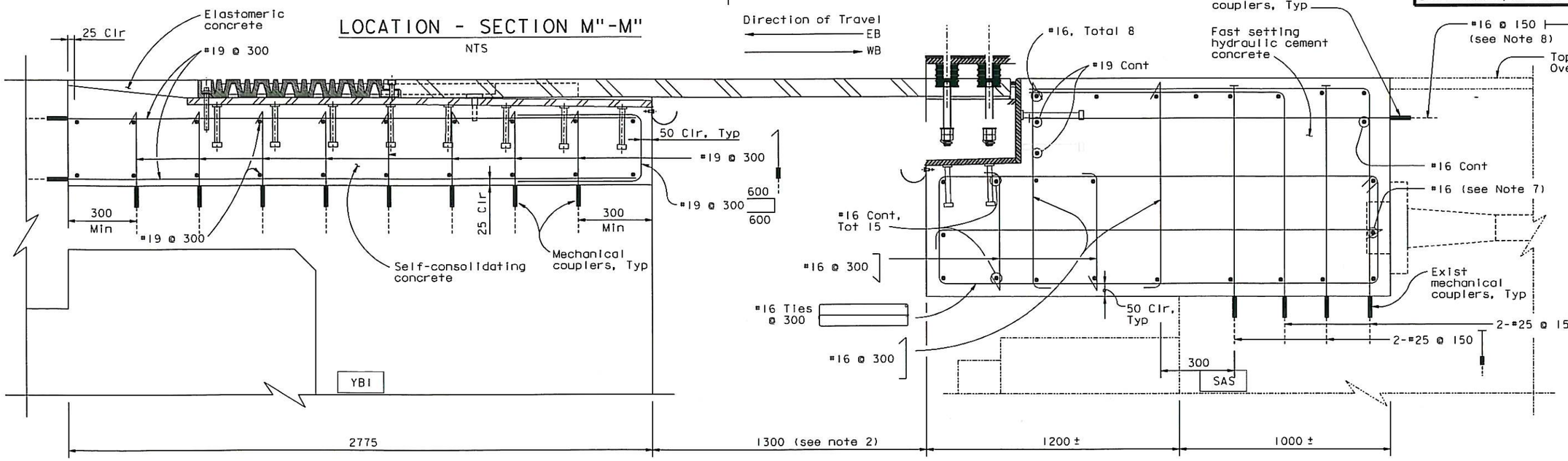
T.Y. LIN / MOFFATT & NICHOL
TWO HARRISON STREET
SAN FRANCISCO, CA 94105

LOCATION - SECTION M"-M"

NTS

Direction of Travel
EB
WB



SECTION M"-M" (See Note 9) ⚠1

1:10

LEGEND:

⊢ Indicates "T" head reinforcement.

NOTES:

1. Rebars with mechanical couplers shall extend beyond blockout limits by at least 50 db.
2. Values are for mean temperature 20°C.
3. Contractor shall locate all existing mechanical couplers.
4. Contractor shall connect reinforcement to existing rebar couplers at blockout limits.
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SUPPLEMENTAL SHEET
CONTRACT CHANGE ORDER NO. 311
SHEET 4 OF 4

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

MARK	DATE	REVISIONS	BY	CH'D	CCO#
⚠1	05/29/13	HINGE K GRADE CHANGE	CR	MN	311
0	01/20/12	YBI CLOSURE POUR	RM	MW	216

DESIGN OVERSIGHT: ADE AKINSANYA
SIGN OFF DATE

	BY		CHECKED	
DESIGN	C. Redfield		CHECKED	M. Nader
DETAILS	H. Patel		CHECKED	J. Duxbury
QUANTITIES	H. Patel		CHECKED	J. Duxbury

PREPARED FOR THE STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Jal Birdy
PROJECT ENGINEER

BRIDGE NO.	KILOMETER POST
34-0006 L/R	12.8

SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT

YBI TRANSITION STRUCTURES - HINGE K

HINGE KE & KW EXPANSION JOINT DETAILS NO. 10

Rev. Date: 5-18-98

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET K156AA OF 209

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