

NOTES:

1. USE MATCHING TEMPLATES FOR THE LOCATION OF REINFORCEMENT AND GROUTED SPLICE COUPLER PLACEMENT WITHIN THE ELEMENTS TO CONTROL THE CRITICAL DIMENSION "C".
2. CONSULT MANUFACTURER OF THE GROUTED SPLICE COUPLER FOR PROPER DIMENSIONS "B" AND "D" AND FOR TOLERANCES ON THESE AND ALL DIMENSIONS.
3. BEFORE EXECUTING GROUTED SPLICE COUPLER ASSEMBLIES, ALWAYS SEEK INSTALLATION RECOMMENDATIONS FROM THE MANUFACTURER OF THE GROUTED SPLICE COUPLER USED.

GROUTED SPLICE COUPLER DETAILS

NOT TO SCALE

GROUTED SPLICE COUPLER TOLERANCES

A	SHIM PACK HEIGHT	$1\frac{1}{4}'' \pm \frac{3}{4}''$
B	DOWEL HEIGHT	CONSULT MANUFACTURER
C	LOCATION OF REINFORCING, GROUTED SPLICE COUPLER, AND DOWELS MEASURED FROM A WORKING LINE	$\pm 1''$
D	GAP BETWEEN DOWELS AND REINFORCING	CONSULT MANUFACTURER



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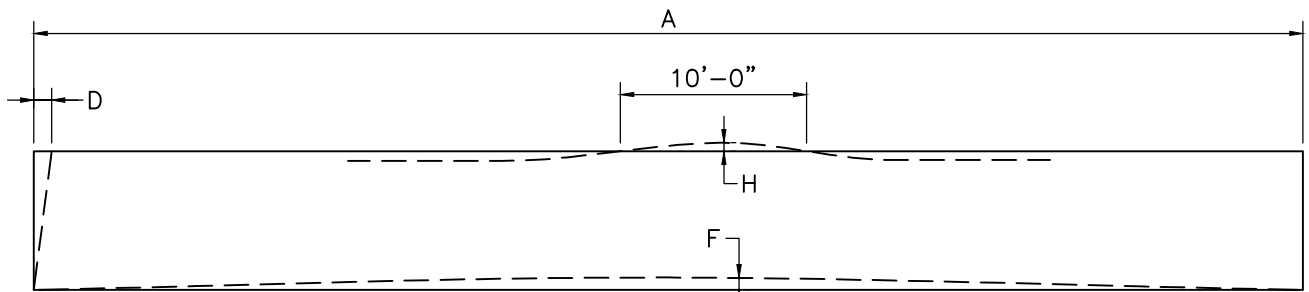
**GROUTED SPLICE COUPLER
TOLERANCES**

PRECAST TOLERANCES

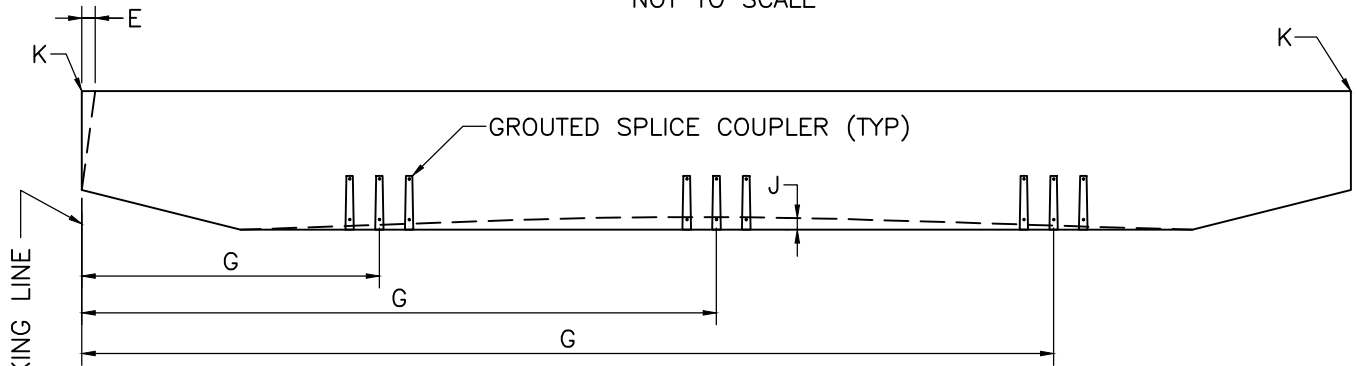
DATE OF ISSUE
JUNE 2013

DRAWING NUMBER

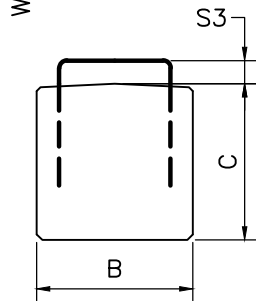
6.1.1



PLAN
NOT TO SCALE



ELEVATION
NOT TO SCALE



SECTION
NOT TO SCALE

BENT CAP FABRICATION TOLERANCES

A	LENGTH (OVERALL)	$\pm\frac{3}{4}$ "
B	WIDTH (OVERALL)	$\pm\frac{1}{4}$ "
C	DEPTH (OVERALL)	$\pm\frac{1}{4}$ "
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	$\pm\frac{1}{8}$ " PER 12 INCH WIDTH $\pm\frac{1}{2}$ " MAXIMUM
E	VARIATION FROM SPECIFIED ELEVATION END SQUARENESS OR SKEW	$\pm\frac{1}{8}$ " PER 12 INCH WIDTH $\pm\frac{1}{2}$ " MAXIMUM
F	SWEEP, FOR MEMBER LENGTH (IF PRESTRESSED): UP TO 40 FEET 0 FEET TO 60 FEET OVER 60 FEET	$\pm\frac{1}{4}$ " $\pm\frac{1}{2}$ " $\pm\frac{5}{8}$ "
G	LOCATION OF GROUTED SPLICE COUPLER MEASURED FROM A WORKING LINE	$\pm\frac{1}{4}$ "
H	LOCAL SMOOTHNESS OF ANY SURFACE	$\pm\frac{1}{4}$ " IN 10 FEET
J	VARIATION FROM SPECIFIED CAMBER (IF PRESTRESSED)	$\pm\frac{1}{8}$ " PER 10 FEET $\pm\frac{1}{2}$ " MAXIMUM
S3	STIRRUP PROJECTION FROM CAP SURFACE	$+\frac{1}{4}$ ", $-\frac{1}{2}$ "

BENT CAP ELEVATION ERECTION TOLERANCES

K	ERECTION ELEVATION TOLERANCE	$\pm\frac{1}{4}$ "
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**BENT CAP FABRICATION
AND ERECTION TOLERANCES**
PRECAST TOLERANCES

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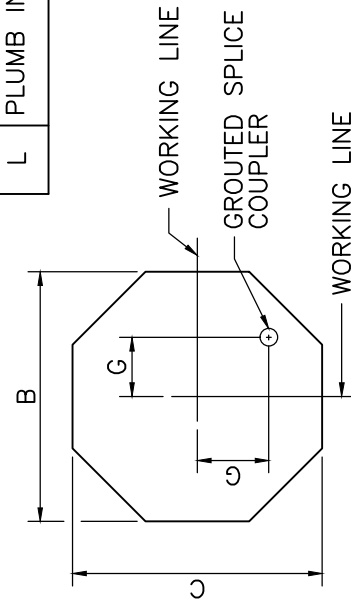
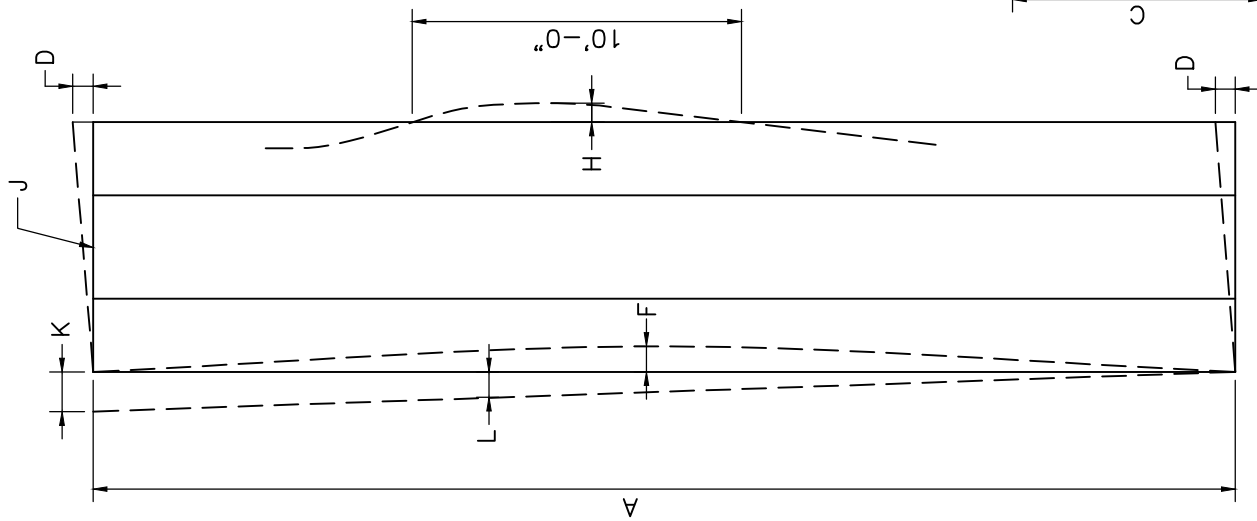
6.1.2

COLUMN FABRICATION TOLERANCES

A	LENGTH (OVERALL)	$\pm \frac{1}{2}$ "
B	WIDTH (OVERALL)	$\pm \frac{1}{4}$ "
C	DEPTH (OVERALL)	$\pm \frac{1}{4}$ "
D	VARIATION FROM SPECIFIED END SQUARENESS OR SKEW	$\pm \frac{1}{8}$ " PER 12 INCH WIDTH $\pm \frac{3}{8}$ " MAXIMUM
F	SWEEP FOR MEMBER LENGTH	$\pm \frac{1}{8}$ " PER 10 FEET $\pm \frac{1}{2}$ " MAXIMUM
G	LOCATION OF GROUTED SPLICE COUPLER MEASURED FROM A WORKING LINE	$\pm \frac{1}{4}$ "
H	LOCAL SMOOTHNESS OF ANY SURFACE	$\pm \frac{1}{4}$ " IN 10 FEET

COLUMN ELEVATION ERECTION TOLERANCES

J	TOP ELEVATION FROM NOMINAL TOP ELEVATION	$\pm \frac{1}{4}$ "
K	MAXIMUM PLUMB VARIATION OVER LENGTH OF COLUMN	$\pm \frac{1}{2}$ "
L	PLUMB IN ANY 10 FEET OF COLUMN LENGTH	$\pm \frac{1}{4}$ "



ELEVATION
NOT TO SCALE

SECTION
NOT TO SCALE



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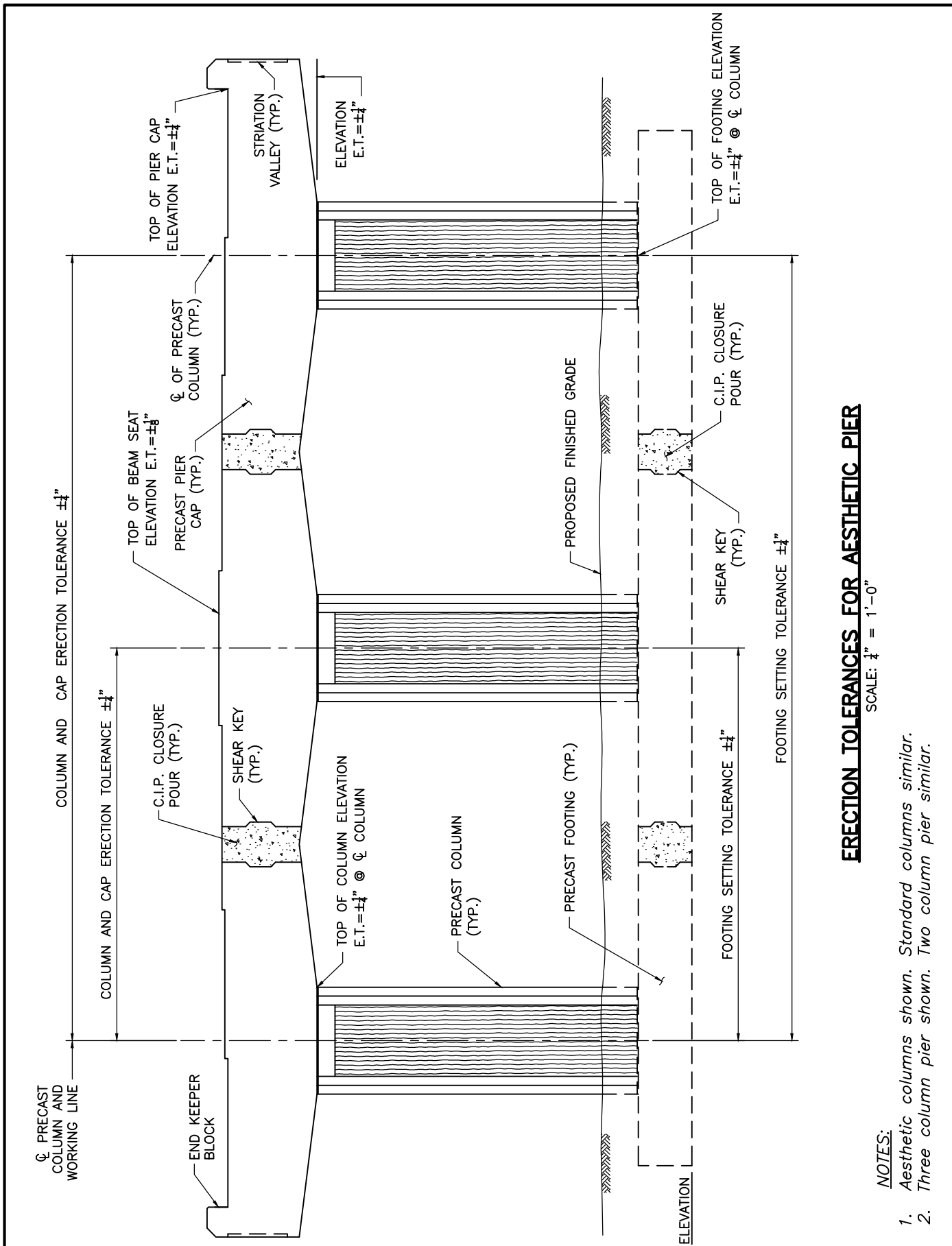
COLUMN FABRICATION AND ERECTION TOLERANCES

PRECAST TOLERANCES

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6.1.3

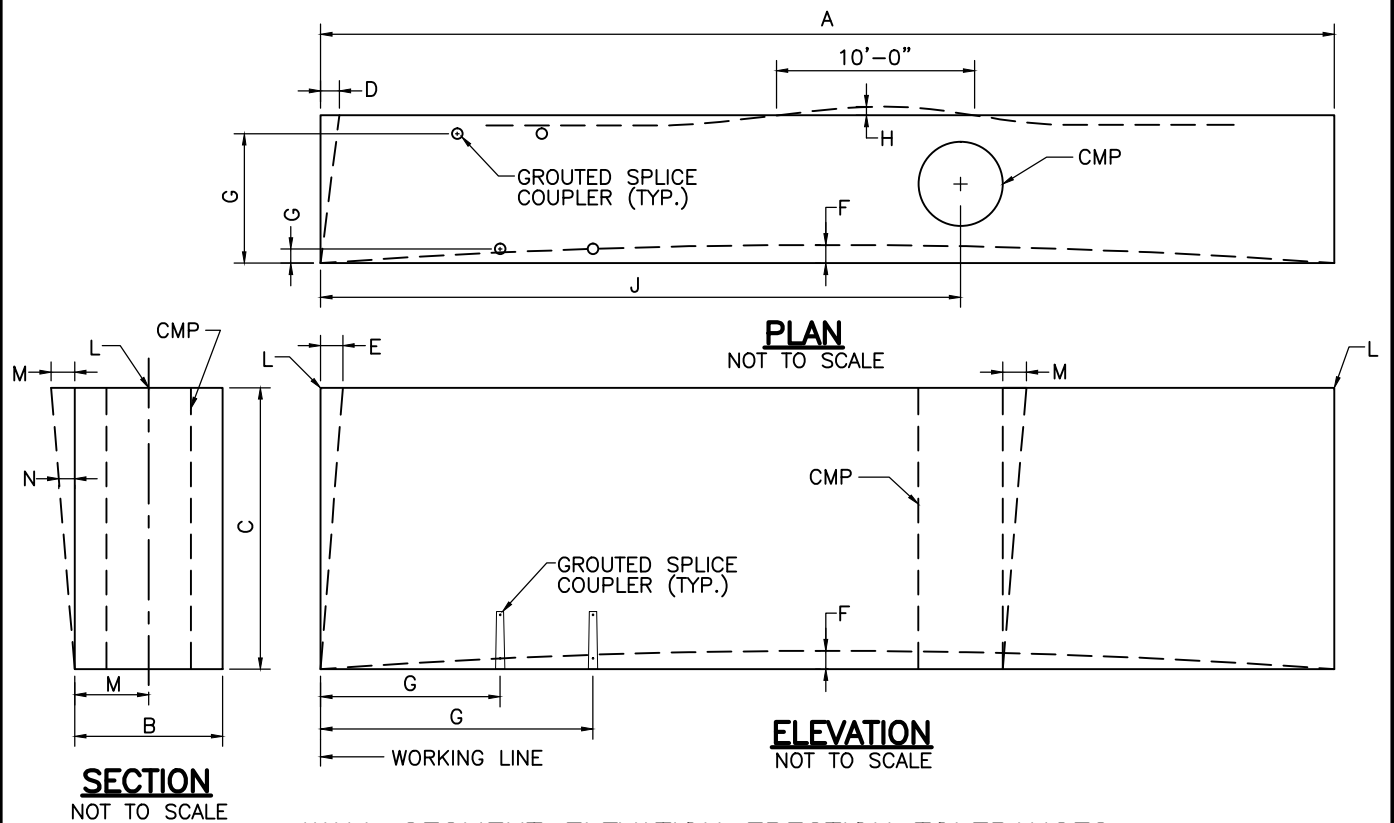


ERECTION TOLERANCES FOR AESTHETIC PIER

SCALE: 1/4" = 1'-0"

NOTES:

1. Aesthetic columns shown. Standard columns similar.
2. Three column pier shown. Two column pier similar.



WALL SEGMENT ELEVATION ERECTION TOLERANCES

L	TOP ELEVATION FROM NOMINAL TOP ELEVATION	1/4"
M	MAXIMUM PLUMB VARIATION OVER HEIGHT OF PANEL	1/2"
N	PLUMB IN ANY 10 FEET OF PANEL HEIGHT	1/4"

WALL SEGMENT FABRICATION TOLERANCES

A	LENGTH	±1/4"
B	WIDTH (OVERALL)	±1/4"
C	DEPTH (OVERALL)	±1/4"
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	±1/2"
E	VARIATION FROM SPECIFIED ELEVATION END SQUARENESS OR SKEW	±1/2"
F	SWEEP OVER MEMBER LENGTH	±3/8"
G	LOCATION OF GROUTED SPLICE COUPLER MEASURED FROM A WORKING LINE	±1/4"
H	LOCAL SMOOTHNESS OF ANY SURFACE	±1/4" IN 10 FEET
J	LOCATION OF BLOCKOUT FOR PILES OR VOIDS	±1/2"
K	MAXIMUM PLUMB VARIATION OVER HEIGHT OF CMP VOID	±1/2"

NOTE:

These tolerances apply to the following elements:

- Integral abutment caps
- Cantilever abutment stems
- Abutment backwalls
- Cantilever retaining walls



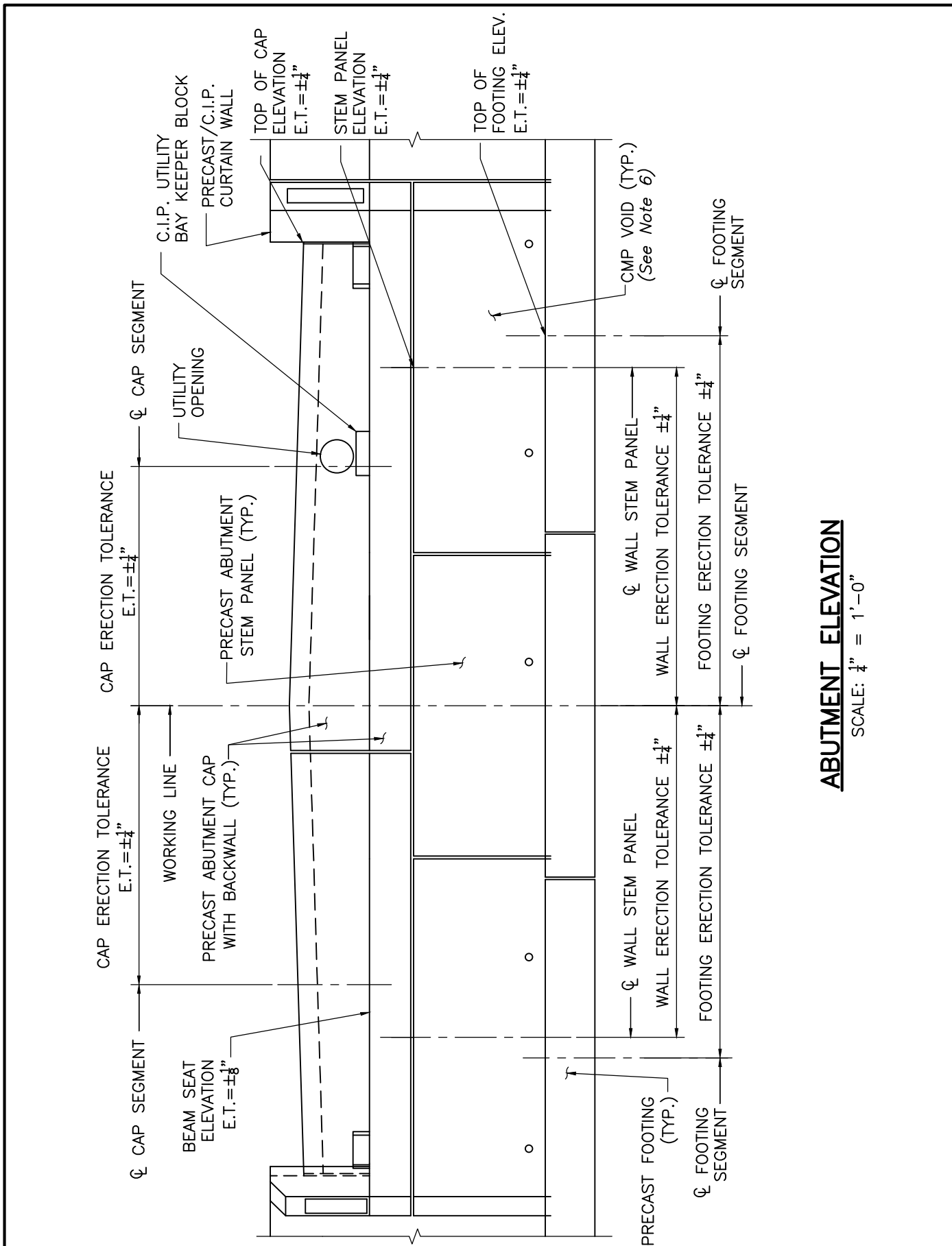
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**WALL SEGMENT ERECTION AND
FABRICATION TOLERANCES**
PRECAST TOLERANCES

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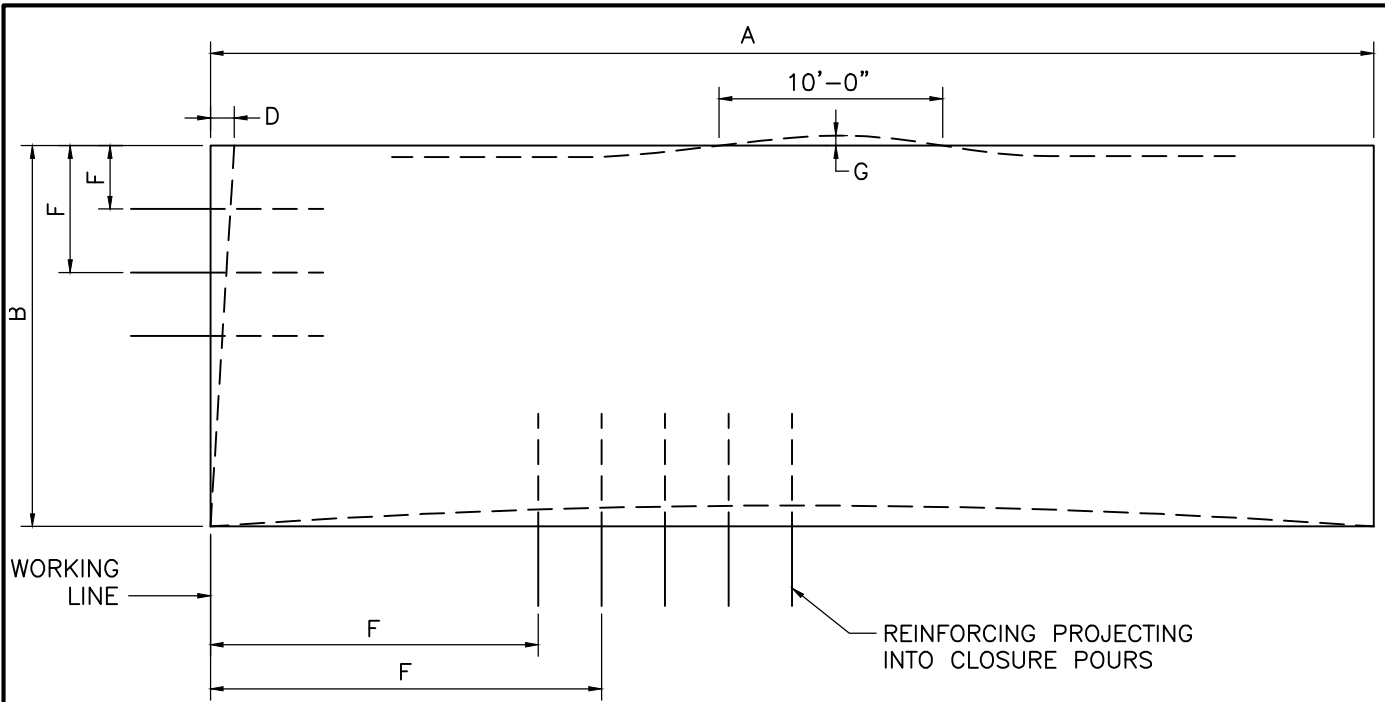
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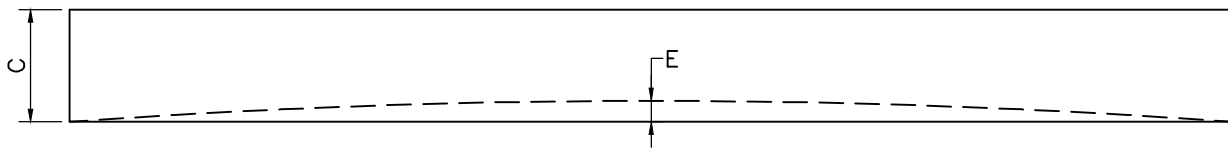


ABUTMENT ELEVATION

SCALE: 1/4" = 1'-0"



PLAN
NOT TO SCALE

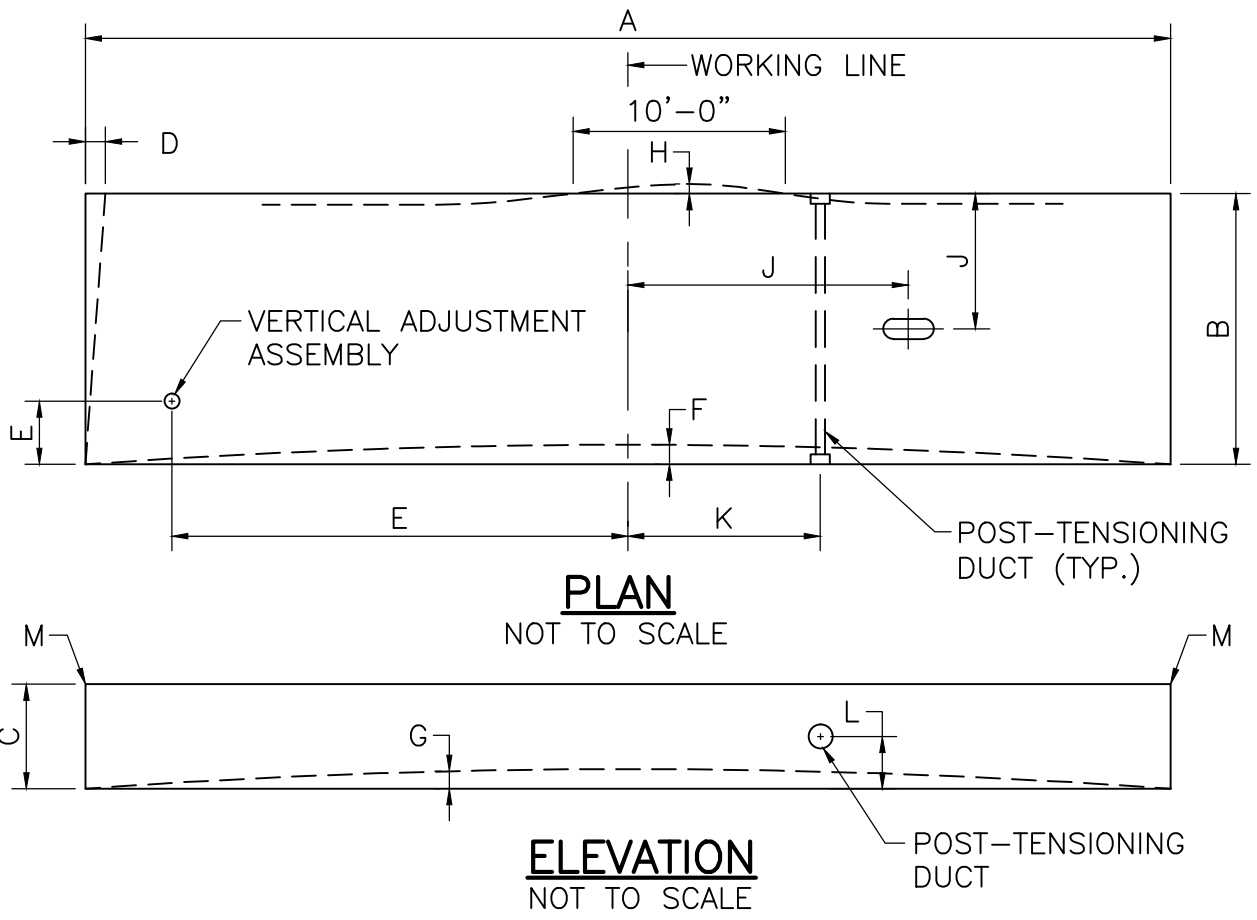


ELEVATION
NOT TO SCALE

APPROACH SLAB FABRICATION TOLERANCES

A	LENGTH (OVERALL)	$\pm\frac{1}{4}$ "
B	WIDTH (OVERALL)	$\pm\frac{1}{4}$ "
C	DEPTH (OVERALL)	$\pm\frac{1}{4}$ "
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	$\pm\frac{1}{2}$ "
E	SWEEP OVER MEMBER LENGTH	$\pm\frac{3}{8}$ "
F	LOCATION OF PROJECTING REINFORCING MEASURED FROM A WORKING LINE	$\pm\frac{1}{2}$ "
G	LOCAL SMOOTHNESS OF ANY SURFACE	$\pm\frac{1}{4}$ " IN 10 FEET





DECK PANEL FABRICATION TOLERANCES

A	LENGTH (OVERALL)	$\pm \frac{1}{4}$ "
B	WIDTH (OVERALL)	$\pm \frac{1}{4}$ "
C	DEPTH (OVERALL)	$\pm \frac{1}{4}$ "
D	VARIATION FROM SPECIFIED PLAN END SQUARENESS OR SKEW	$\pm \frac{1}{4}$ "
E	LOCATION OF VERTICAL ADJUSTMENT ASSEMBLY	± 1 "
F	SWEEP OVER MEMBER LENGTH	$\pm \frac{3}{8}$ "
G	CAMBER VARIATION FROM DESIGN CAMBER	$\pm \frac{1}{4}$ "
H	LOCAL SMOOTHNESS OF ANY SURFACE	$\pm \frac{1}{4}$ " IN 10'
J	LOCATION OF BLOCKOUT FOR SHEAR CONNECTORS	$\pm \frac{1}{2}$ "
K	LOCATION OF POST-TENSIONING DUCT MEASURED FROM A WORKING LINE	$\pm \frac{3}{16}$ "
L	LOCATION OF POST-TENSIONING DUCT MEASURED FROM BOTTOM OF PANEL	$\pm \frac{3}{16}$ "

DECK PANEL ELEVATION ERECTION TOLERANCES

M	DEVIATION FROM SPECIFIED ELEVATION	$\pm \frac{1}{8}$ "
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PRECAST DECK PANEL TOLERANCES

PRECAST TOLERANCES

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6.1.8