

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 1  
SYSTEM NAME: ACS 1.5" Approval 1/25/1989 STRAND DIAMETER: 1/2"  
PJACK (KIPS): 31 Concrete strength: 3500 psi ULTIMATE (KIPS): 41.3

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**WEDGES**

WEDGE LENGTH: 1.46" Material  
AISI 11L17 Rc 59-63  
WEDGE ANGLE: 7 Deg 10'  
WEDGE INSIDE DIAMETER:

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 1 3/4" DIA X 2.5"	C1040 -1045	1/25/89
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg WEDGE HOLE DIA: 1.035" STRAND HOLE DIA: 0.57"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 3 1/2" X 3 1/2" X 1/2"	ASTM A-36	1/25/1989
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 0.625" Spiral size and turns: none

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :

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**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 1  
SYSTEM NAME: ACS 1.6 Approval 1/25/1989 STRAND DIAMETER: 0.6"  
PJACK (KIPS): 44 Concrete strength: 3500 psi ULTIMATE (KIPS): 58.6

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**WEDGES**

WEDGE LENGTH: 1.865' Material  
WEDGE ANGLE: 7 Deg 5'+5' AISI 11L17 R15N89-93  
RA 79-83  
WEDGE INSIDE DIAMETER:

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 2 1/4" DIA X 2.5"	C 1040-1045	1/25/89
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg WEDGE HOLE DIA: 1.15" STRAND HOLE DIA: 0.68"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 4"X4"X5/8"	ASTM A-36	1/25/1989
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 0.750" Spiral size and turns: none

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 3
SYSTEM NAME: ACS 3.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 93	Concrete strength: 3500 psi	ULTIMATE (KIPS): 123.9

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**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11L17 Rc 59-63
WEDGE ANGLE: 7 Deg 10'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 31/2" DIA X 23/8"	C1045 H.R.	12/18/85
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.63"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 51/2" Square x 5/8"	ASTM A-36	2/14/1985
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 2".0	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 6".0	24 Gage Galvanized	2/14/1985
#2: 6".0	Polyethylene .06"	2/14/1985
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 1-3/4" ID	26 Gage	2/14/1985
#2:		
Spiral :		

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 4
SYSTEM NAME: ACS 4.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 124	Concrete strength: 3500 psi	ULTIMATE (KIPS): 165.2

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**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11L17 Rc 59-63
WEDGE ANGLE: 7 Deg 10'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 31/2" DIA x 23/8"	C1045 H.R. Normalized	12/18/85
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.63"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 61/4"Square x 7/8"	ASTM A-36	2/14/1985
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 2-3/8"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 6.0"	24 Gage Galvanized	2/14/1985
#2: 6.0"	Polyethylene .06"	2/14/1985
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 1-3/4" ID	26 Gage	2/14/1985
#2:		
Spiral :		

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**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 4  
SYSTEM NAME: C4.6 Approval STRAND DIAMETER: 0.6"  
PJACK (KIPS): 176 Concrete strength: 3500 psi ULTIMATE (KIPS): 234.4

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**WEDGES**

WEDGE LENGTH: 1.80" Material  
WEDGE ANGLE: 7 Deg 10' AISI 11 L 17 RA 79-83  
WEDGE INSIDE DIAMETER:

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 3 1/8 "X 4 1/4"X 2 1/2"	ASTM A-536 80-55-06	8/22/89
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg WEDGE HOLE DIA: 1.16" STRAND HOLE DIA: 0.70"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 4 5/8" X 10.5" X 5/16'	ASTM A-536 80-55-06	8/22/1989
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 1 7/8 X 3 3/8 Spiral size and turns: none

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 4" ID		
#2:		

Spiral :

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**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 4  
SYSTEM NAME: MP 7.5 / 4.6 Approval 3/11/2010 STRAND DIAMETER: 0.6"  
PJACK (KIPS): Concrete strength: 5500 psi ULTIMATE (KIPS): 234

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**WEDGES**

WEDGE LENGTH: 1.8" (2-Part or 3-Part) Material  
AISI 12L14 or 11L17  
WEDGE ANGLE:  
WEDGE INSIDE DIAMETER: 0.62"

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4.5" dia x 2.75" thick	ASTM A536 Grade 80-55-06 (ACS 4.6)	
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 6 deg 55' 10" WEDGE HOLE DIA: 1.16" STRAND HOLE DIA: 0.68"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 6.5" Square x 5.25" thick	ASTM A536 Grade 80-55-06	
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 2-3/8" Spiral size and turns: none

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: O.D. 2.25"		
#2:		

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Spiral : Spiral OD 8", #3 Bar, Spiral ID 7.25"

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 5
SYSTEM NAME: ACS 5.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 155	Concrete strength: 3500 psi	ULTIMATE (KIPS): 206.5

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**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11L17 Rc 59-63
WEDGE ANGLE: 7 Deg 10'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4" DIA x 23/8"	C1045 H.R. Normalized	12/18/85
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.63"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 63/4" Square x 7/8"	ASTM A-36	2/14/1985
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 2-5/8"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 6.0"	24 Gage Galvanized	2/14/1985
#2: 6.0"	Polyethylene .06"	2/14/1985
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 2-1/16 "ID	26 Gage	2/14/1985
#2:		
Spiral :		

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 7
SYSTEM NAME: ACS 7.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 217	Concrete strength: 3500 psi	ULTIMATE (KIPS): 289.1

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**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11L17 Rc 59-63
WEDGE ANGLE: 7 Deg 10'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4 1/2" DIA x 23/8"	C1045 H.R. Normalized	12/18/85
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.63"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 8 1/4" Square x 1 1/4"	ASTM A-36	10/29/1985
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 2-7/8"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8.0"	24 Gage Galvanized	10/29/1985
#2: 8.0"	Polyethylene .06"	10/29/1985
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 2-1/16" ID	26 Gage	10/29/1985
#2:		
Spiral :		

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 7
SYSTEM NAME: ACS 7.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 217	Concrete strength: 3500 psi	ULTIMATE (KIPS): 289.1

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**WEDGES**

WEDGE LENGTH: 1.46 (Two part )		Material
		AISI 11 L17 Or 12 L 14
WEDGE ANGLE: 7 Deg		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4.500" DIA X 2.750"	ASTM -A536 Gr 80-55-06	12/17/96
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 6Deg 55'	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.562"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 6.500" Square X 5.250" (MP )	ASTM-A536 Gr 80-55-06	12/17/1996
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 2.937"	Spiral size and turns: #3-5Turn	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

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**Spiral :** #3 Rebar 8" O.D , 5 Turn @ 2" Pitch

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 7
SYSTEM NAME: ACS 7.5 TD	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 216.8	Concrete strength: 3500 psi	ULTIMATE (KIPS): 289.1

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**WEDGES**

WEDGE LENGTH: 1.46"		Material AISI 11 L 17 Rc 59-63
WEDGE ANGLE: 7 Deg 10' +5'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6" Square x 2 1/2"(w/4 hole )	C1040-1045 H.R. Plate	3/16/92
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.00"	STRAND HOLE DIA: 0.62"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 6" Square X 1 1/2"(Retainer PL)	ASTM A-36	3/16/1992
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 4 1/2"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 8
SYSTEM NAME: ACS 8.5 TD	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 247.8	Concrete strength: 3500 psi	ULTIMATE (KIPS): 330.4

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**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11 L 17 Rc 59-63
WEDGE ANGLE: 7 Deg 10' +5'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6" Square x 2 1/2"(w/4 hole )	C1040-1045 H.R. Plate	9/26/94
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.00"	STRAND HOLE DIA: 0.62"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 12" Square X 2"	ASTM A-36	9/26/1994
#2: 6" Square X 1 1/2"(Retainer PL)	ASTM A-36	9/26/1994
#3:		
#4:		
#5:		
BEARING HOLE DIA: 4 1/2"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 9
SYSTEM NAME: ACS 9.5 TD	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 278.7	Concrete strength: 3500 psi	ULTIMATE (KIPS): 371.7

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**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11 L17 Rc 59-63
WEDGE ANGLE: 7 Deg 10' +5'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6" Square x 2 1/2"(w/4 hole )	C1040-1045 H.R. Plate	3/16/92
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.00"	STRAND HOLE DIA: 0.62"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 6" Square X 1 1/2"(Ret Plate)	ASTM A-36	3/16/1992
#2: 13" Square X 2"	ASTM A-36	3/16/1992
#3:		
#4:		
#5:		
BEARING HOLE DIA: 4 1/2"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 10
SYSTEM NAME: ACS 10.5 TD	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 309.8	Concrete strength: 3500 psi	ULTIMATE (KIPS): 413

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**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11 L17 Rc 59-63
WEDGE ANGLE: 7 Deg 10' +5'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6" Square x 2 1/2"(w/4 hole )	C1040-1045 H.R. Plate	9/26/94
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.00"	STRAND HOLE DIA: 0.62"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 13" Square X 2 1/4"	ASTM A-36	9/26/1994
#2: 6" Square X 1 3/4"(Ret Plate)	ASTM A-36	9/26/1994
#3:		
#4:		
#5:		
BEARING HOLE DIA: 4 1/2"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 12
SYSTEM NAME: ACS 12.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 372	Concrete strength: 3500 psi	ULTIMATE (KIPS): 495.6

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**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11L17 Rc 59-63
WEDGE ANGLE: 7 Deg 10'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6" DIA x 23/8"	C1045 H.R. Normalized	1/16/86
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.63"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 103/4" Square x 11/2"	ASTM A-36	1/16/1986
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 41/8"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 12"	24 Gage Galvanized	1/16/1986
#2: 12"	POLYETHYLENE .06"	1/16/1986
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 2-5/8" ID	26 Gage	1/16/1986
#2:		
Spiral :		

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 12
SYSTEM NAME: ACS 12.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 372	Concrete strength: 3500 psi	ULTIMATE (KIPS): 495.6

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**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11L17 Rc 59-63
WEDGE ANGLE: 7 Deg 10'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 61/4" DIA X 23/4"	ASTM A536 Gr 80-55-06	12/7/95
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 6 Deg 55'	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.56"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 103/4" Square x 11/2"	ASTM A-36	1/16/1986
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 41/8"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 12"	24 Gage Galvanized	1/16/1986
#2: 12"	POLYETHYLENE .06"	1/16/1986
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 2-5/8" ID	26 Gage	1/16/1986
#2:		
Spiral :		

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 12
SYSTEM NAME: ACS 12.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 372	Concrete strength: 3500 psi	ULTIMATE (KIPS): 495.6

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**WEDGES**

WEDGE LENGTH: 1.46 (Two part )		Material
		AISI 11 L 17 Or 12 L 14
WEDGE ANGLE: 7 Deg		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6.250" DIA X 2.750"	ASTM- A536 Gr 80-55-06	12/17/96
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 6 Deg 55'	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.562"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 9.00" Square X 7.00" (MP )	ASTM-A536 Gr 80-55-06	12/17/1996
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 4 3/16"	Spiral size and turns: #4-7turn	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

---

Spiral : # 4 Rebar, 10" O.D 7 Turns @ Pitch



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updated: 2/22/16

**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 12  
SYSTEM NAME: ACS 12.6 Approval 8/9/2000 STRAND DIAMETER: 0.6"  
PJACK (KIPS): 528 Concrete strength: 3500 psi ULTIMATE (KIPS): 703.2

---

**WEDGES**

WEDGE LENGTH: 1.80" (Two or Three part) Material  
WEDGE ANGLE: 6 Deg 55'±10' AISI 12L14 or 11L17  
WEDGE INSIDE DIAMETER: 0.62"

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7.250" Dia x 3.00"	ASTM A 536 Gr 80-55-06	8/9/00
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 6 Deg 55" WEDGE HOLE DIA: 1.16" STRAND HOLE DIA: 0.68"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 13.750" Square x 1.80"	ASTM A536 Gr 80-55-06	3/23/1994
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 5 1/2" Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 13.00"	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: ID 3 1/2"		
#2:		

---

Spiral : #5 @ 6" stirrups

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updated: 2/22/16

**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 19  
SYSTEM NAME: ACS 19 .5" Approval STRAND DIAMETER: 1/2"  
PJACK (KIPS): 588.5 Concrete strength: 3500 psi ULTIMATE (KIPS): 784.7

---

**WEDGES**

WEDGE LENGTH: 1.46" Material  
WEDGE ANGLE: 7 Deg 10' AISI 11 L17  
WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7 3/8" DIA X 3 3/8"	ASTM A-536 Gr 80-55-06	1/17/96
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg WEDGE HOLE DIA: 1.035" STRAND HOLE DIA: 0.56"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 13.750" Square X 3.00"	ASTM-A536 Gr 80-55-06	3/23/1994
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 5 1/2" Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 13.00"		3/23/1994
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :

---

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updated: 2/22/16

**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 19  
SYSTEM NAME: ACS 19 M.5" Approval STRAND DIAMETER: 1/2"  
PJACK (KIPS): 588.5 Concrete strength: 3500 psi ULTIMATE (KIPS): 784.7

---

**WEDGES**

WEDGE LENGTH: 1.46" Material  
WEDGE ANGLE: 7 Deg 10' AISI 11 L17  
WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7.00" DIA X 3 1/4"	C 1040-1045 H.R BAR	3/23/94
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg WEDGE HOLE DIA: 1.035" STRAND HOLE DIA: 0.625"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 13.750" Square X 3.00"	ASTM-A536 Gr 80-55-06	3/23/1994
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 5 1/2" Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 13.00"		3/23/1994
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :

---

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 19
SYSTEM NAME: ACS 19.6	Approval 2/27/2001	STRAND DIAMETER: 0.6"
PJACK (KIPS): 836	Concrete strength: 3500 psi	ULTIMATE (KIPS): 1113.4

---

**WEDGES**

WEDGE LENGTH: 1.80" ( 2&3 part )		Material AISI 12L14 or 11L17
WEDGE ANGLE: 6 Deg 55'±10'		
WEDGE INSIDE DIAMETER: 0.62"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 8fl" dia x 4fl"	ASTM-A 536 Gr 80-55-06	2/27/01
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 6 Deg 55'±10'	WEDGE HOLE DIA: 1.16"	STRAND HOLE DIA: 0.87"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 17fl" x 16fl x 3.00"	ASTM-A 536 Gr 80-55-06	2/27/2001
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 7 1/16"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 18"	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: ID. 4.00"		
#2:		
Spiral :		

---

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updated: 2/22/16

**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 22
SYSTEM NAME: ACS 22.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 682	Concrete strength: 3500 psi	ULTIMATE (KIPS): 908.6

---

**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11L17 Rc 59-63
WEDGE ANGLE: 7 Deg 5'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7"Square x 3 1/2"	C1040 /45 H.R.Plate	1/14/91
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.63"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 14 1/2" Square x 2"	ASTM A-36	4/19/1985
#2: 12"Square X 12"	ASTM A 536 Gr 80-55-06	1/14/1991
#3:		
#4:		
#5:		
BEARING HOLE DIA: 6"	Spiral size and turns: #4-7turn	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 18"	24 Gage Galvanized	4/19/1985
#2: 18"	Polyethylene .06"	4/19/1985
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 3-1/2" ID	26 Gage	4/19/1985
#2:		

---

**Spiral :** FOR CAST BEARING PLATE: #4 SPIRAL, 13" OD., 7 TURNS AT 2.5" PITCH, TIE FIRST TWO TURNS

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 22
SYSTEM NAME: ACS 22.6	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 968	Concrete strength: 3500 psi	ULTIMATE (KIPS): 1289.2

---

**WEDGES**

WEDGE LENGTH: 1.80" ( 2 & 3 part )		Material
		AISI 12L14 or 11L17
WEDGE ANGLE: 6 Deg 55'±10'		
WEDGE INSIDE DIAMETER: 0.62"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9" x 4 1/8"	ASTM-A 536 Gr 80-55-06	2/1/02
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 6 Deg 55'±10'	WEDGE HOLE DIA: 1.16"	STRAND HOLE DIA: 0.87"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 17fl" x 16fl" x 3"	ASTM-A 536 Gr 80-55-06	2/1/2002
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: ID. 7 1/16"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 18"	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 24  
SYSTEM NAME: ACS 24.5 Approval STRAND DIAMETER: 1/2"  
PJACK (KIPS): 743.4 Concrete strength: 3500 psi ULTIMATE (KIPS): 991.2

---

**WEDGES**

WEDGE LENGTH: 1.46 (Two Part ) Material  
WEDGE ANGLE: 7 Deg + 10 AISI 11 L 17  
WEDGE INSIDE DIAMETER: .529"

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 81/4" Square X 31/2"	C 1040-1045 H.R. Plate	3/26/92
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg WEDGE HOLE DIA: 1.035" STRAND HOLE DIA: 0.62"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 151/2" Square x 2"	ASTM A-36	3/26/1992
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 71/4" Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 22"		3/26/1992
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 4" O.D		
#2:		

Spiral :

---

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**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 27  
SYSTEM NAME: ACS 27.6" Approval 2/27/2001 STRAND DIAMETER: 0.6"  
PJACK (KIPS): 1188 Concrete strength: 3500 psi ULTIMATE (KIPS): 1582.2

**WEDGES**

WEDGE LENGTH: 1.80" ( 2&3 part ) Material  
AISI 12L14 or 11L17  
WEDGE ANGLE: 6 Deg 55'±10'  
WEDGE INSIDE DIAMETER: 0.62"

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9 5/8" dia. x 4 3/8"	ASTM-A 536 Gr 80-55-06	2/27/01
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 6 Deg 55'±10" WEDGE HOLE DIA: 1.16" STRAND HOLE DIA: 0.877"

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 19fl" sq. x 3fl"	ASTM-A 536 Gr 80-55-06	2/27/2001
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 7 13/16" Spiral size and turns: none

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 19l"	HDPE	
#2:		
#3:		
#4:		
#5:		

**DUCTS**

Duct Size	Material	Approval Date
#1: ID. 4.375"		
#2:		

Spiral :



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updated: 2/22/16

**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 27  
SYSTEM NAME: ACS 37.5 Approval STRAND DIAMETER: 1/2"  
PJACK (KIPS): 837 Concrete strength: 3500 psi ULTIMATE (KIPS): 1115

---

**WEDGES**

WEDGE LENGTH: 1.46"( Two Part ) Material  
WEDGE ANGLE: 7 Deg 10' AISI 11L17  
WEDGE INSIDE DIAMETER: 0.525"

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 10" DIA X 4.750"	ASTM A-536 Gr 80-55-06	7/27/95
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 6 Deg 55' WEDGE HOLE DIA: 1.035" STRAND HOLE DIA: 0.625"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 17.250" Square x 16.250"	ASTM A-536 Gr 80-55-06	5/29/1996
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 7 1/16" Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 18"	HDPE	5/29/1996
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 4"		
#2:		

Spiral : NO SPIRAL

---

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updated: 2/22/16

**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 28
SYSTEM NAME: ACS 28.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 867.3	Concrete strength: 3500 psi	ULTIMATE (KIPS): 1156.4

---

**WEDGES**

WEDGE LENGTH: 1.46 (Two Part )		Material AISI 11 L 17
WEDGE ANGLE: 7 Deg + 10		
WEDGE INSIDE DIAMETER: .529"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9" Square X 33/4"	C 1040-1045 H.R. Plate	3/26/92
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.62"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 161/2" Square x 21/4"	ASTM A36	3/26/1992
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 75/8"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 213/4"		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 4" O.D		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 34
SYSTEM NAME: ACS 34.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 1054	Concrete strength: 3500 psi	ULTIMATE (KIPS): 1404.2

---

**WEDGES**

WEDGE LENGTH: 1.46"		Material
		AISI 11L17 Rc 59-63
WEDGE ANGLE: 7 Deg 5'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9" Square x 4"	C1040-1045 H.R. Normalized	1/14/91
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.63"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 18" Square x 2 1/2"	ASTM A-36	4/19/1985
#2: 15" Square X15"	ASTM A-536 Gr 80-55-06	1/14/1991
#3:		
#4:		
#5:		
BEARING HOLE DIA: 75/8"	Spiral size and turns: #4-9turn	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 24"	24 Gage Galvanized	4/19/1985
#2: 24"	Polyethylene .06"	4/19/1985
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 4" ID	24 Gage	4/19/1985
#2:		

---

**Spiral :** FRO CAST BEARING PLATE: #4 SPIRAL, 17 OD., 9 TURNS AT 2,5" PITCH, TIE FIRST 2 TURNS

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 37
SYSTEM NAME: ACS 37 M .5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 1146.0	Concrete strength: 3500 psi	ULTIMATE (KIPS): 1528.1

---

**WEDGES**

WEDGE LENGTH:	1.46"( Two Part )	Material
WEDGE ANGLE:	7 Deg 10'	AISI 11L17
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 10.00" DIA X 4.500"	C1040-1045 H.R. Bar	3/23/94
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.625"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 19.250" Square x 3.250"	ASTM A-536 Gr 80-55-06	3/23/1994
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 7.812"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 19.750"	HDPE	3/23/1994
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: ID 4 3/8"		3/23/1994
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : AVAR Bar or TENDON SIZE: 37  
SYSTEM NAME: ACS 37.5 Approval STRAND DIAMETER: 1/2"  
PJACK (KIPS): 1146.0 Concrete strength: 3500 psi ULTIMATE (KIPS): 1528.1

---

**WEDGES**

WEDGE LENGTH: 1.46"( Two Part ) Material  
WEDGE ANGLE: 7 Deg 10' AISI 11L17  
WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 10" DIA X 4.750"	ASTM A-536 Gr 80-55-06	7/27/95
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 6 Deg 55' WEDGE HOLE DIA: 1.035" STRAND HOLE DIA: 0.625"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 19.250" Square x 3.250"	ASTM A-536 Gr 80-55-06	3/23/1994
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 7.812 Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 19.750"	HDPE	3/23/1994
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: ID 4 3/8"		3/23/1994
#2:		

Spiral :

---

**State of California**  
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updated: 2/22/16

**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 44
SYSTEM NAME: ACS 44.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 1363	Concrete strength: 3500 psi	ULTIMATE (KIPS): 1817.2

---

**WEDGES**

WEDGE LENGTH: 1.46"( Two Part )		Material
		AISI 11L17 Rc 59-63
WEDGE ANGLE: 7 Deg 10'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 11" Square x 5 1/2"	C1040-1045 H.R. Plate	9/1/93
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.63"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 21" Square x 3"	ASTM A-36	9/1/1993
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 8.875"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 20"		9/1/1993
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 5" O.D		9/1/1993
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : AVAR		Bar or TENDON SIZE: 13
SYSTEM NAME: ACS 13.5 TD	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 402.6	Concrete strength: 3500 psi	ULTIMATE (KIPS): 536.9

---

**WEDGES**

WEDGE LENGTH: 1.46"		Material
WEDGE ANGLE: 7 Deg 10'		AISI 11 L17 Rc 59-63
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7" Square X 3 1/2"	C 1040-1045 H.R Plate	3/16/92
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA: 1.00"	STRAND HOLE DIA: 0.62"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 7" Square X 2"(Retainer Plate )	ASTM A 36	3/16/1992
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 6.00"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

**State of California**  
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**GENERAL**

**COMPANY :** AVAR ( approved for use by SDI ) **Bar or TENDON SIZE:** 4  
**SYSTEM NAME:** Avar C-4.6 **Approval** 9/27/2002 **STRAND DIAMETER:** 0.6  
**PJACK (KIPS):** 176 **Concrete strength:** 3500 psi Lt.Wt. **ULTIMATE (KIPS):** 234

---

**WEDGES**

**WEDGE LENGTH:** 1.81" **Material**  
Aisi 12L14 or 11L17  
**WEDGE ANGLE:** 7 Deg.  
**WEDGE INSIDE DIAMETER:** .63"

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 10.5" x 4.61" x 2.52"	A536 Gr. 80-55-06	9/27/02
#2:		
#3:		
#4:		

**WEDGE HOLE ANGLE:** **WEDGE HOLE DIA:** **STRAND HOLE DIA:** .71"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

**BEARING HOLE DIA:** Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 25 x 75 mm	galvanized spiro duct	
#2:		

**Spiral :**

---



**State of California**  
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updated: 2/22/16

**GENERAL**

**COMPANY :** AVAR (approved for use by SDI) **Bar or TENDON SIZE:** 22  
**SYSTEM NAME:** AVAR ACS-22.6 **Approval** 10/7/2002 **STRAND DIAMETER:** 0.6"  
**PJACK (KIPS):** 968 **Concrete strength:** 3500 psi Lt.Wt. **ULTIMATE (KIPS):** 1289

---

**WEDGES**

**Material**

**WEDGE LENGTH:** 1.81"  
**WEDGE ANGLE:** 7 Deg.  
**WEDGE INSIDE DIAMETER:** .63

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9.02" x 4.25"	A536 GR. 80-55-06	10/7/02
#2:		
#3:		
#4:		

**WEDGE HOLE ANGLE:** **WEDGE HOLE DIA:** 1.18" **STRAND HOLE DIA:** 0.87"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 17.25" x 16.25" x 3"	A536 GR. 80-55-06	10/7/2002
#2:		
#3:		
#4:		
#5:		

**BEARING HOLE DIA:** 7.05" **Spiral size and turns:** none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 18" x 7"	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 108mm	Galvanized Spiro	
#2:		

**Spiral :**

---

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updated: 2/22/16

**GENERAL**

COMPANY : CONTECH Bar or TENDON SIZE: 47  
SYSTEM NAME: CTS 47.6 Approval STRAND DIAMETER: .6"  
PJACK (KIPS): 2065.7 Concrete strength: 3500 psi ULTIMATE (KIPS): 2754.2

---

**WEDGES**

WEDGE LENGTH: 1.875 (Two part ) Material  
WEDGE ANGLE: 7 Deg 10' AISI 12 L 14  
WEDGE INSIDE DIAMETER: 0.620"

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 14 1/4 DIA X 7.00"	ASTM 1040/1045	4/7/97
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg WEDGE HOLE DIA: 1.15" STRAND HOLE DIA: 0.687"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: NOT INCLUDED OF		
#2: APPROVAL		
#3:		
#4:		
#5:		

BEARING HOLE DIA: Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :

---

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updated: 2/22/16

**GENERAL**

COMPANY : CONTECH (T D )		Bar or TENDON SIZE: 4
SYSTEM NAME: 4-0.6 (using 7-0.6 anchor	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 176	Concrete strength: 3500 psi	ULTIMATE (KIPS): 234.4

---

**WEDGES**

WEDGE LENGTH: 1.875" (3 PC Gripper )		Material 12L14 Rc 59-65
WEDGE ANGLE: 7 Deg10'+10'		
WEDGE INSIDE DIAMETER: 0.620 X 4 Deg		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 51/8" DIA X 23/8"	Ductile Iron ASTM A-536-80-55-06	4/20/92
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.250"	STRAND HOLE DIA: 0.62"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 7"x7"x1 1/2"(Restrainer Plate)	A-36	4/20/1992
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 4"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : CONTECH (Tie Back )		Bar or TENDON SIZE: 4
SYSTEM NAME: 4-0.6	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 176	Concrete strength: 3500 psi	ULTIMATE (KIPS): 234.4

---

**WEDGES**

WEDGE LENGTH: 1.875" (3 PC Gripper )		Material 12L14 Rc 59-65
WEDGE ANGLE: 7 Deg 10'+10'		
WEDGE INSIDE DIAMETER: 0.620 X 4 Deg		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 51/8" DIA X 23/8"	Ductile Iron ASTM A-536-80-55-06	11/7/89
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.250"	STRAND HOLE DIA: 0.62"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 81/2" Square X 11/2"	Steel AAHSTO MI83 C.T.S.	11/7/1989
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:	ASTM A-36	10/23/1989
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : CONTECH (Tie Back ) Bar or TENDON SIZE: 7  
SYSTEM NAME: 7-0.6 Approval STRAND DIAMETER: 0.6"  
PJACK (KIPS): 307 Concrete strength: 3500 psi ULTIMATE (KIPS): 410.2

---

**WEDGES**

WEDGE LENGTH: 1.875" (3 PC Gripper ) Material  
12L14 Rc59-65  
WEDGE ANGLE: 7 Deg 10'+10'  
WEDGE INSIDE DIAMETER: 0.620 X 4 Deg

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 57/16" DIA X 23/8"	Ductile Iron ASTM A-536-80-55-06	10/20/88
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg WEDGE HOLE DIA: 1.250" STRAND HOLE DIA: 0.62"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 14" X 14" X 2"	Steel AAHSTO MI83 C.T.S.	
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 4" Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :

---

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updated: 2/22/16

**GENERAL**

COMPANY : CONTECH (Tie Back )		Bar or TENDON SIZE: 9
SYSTEM NAME: 9-0.6	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 395.5	Concrete strength: 3500 psi	ULTIMATE (KIPS): 527.4

---

**WEDGES**

WEDGE LENGTH: 1.875" (3 PC Gripper )		Material 12L14 Rc59-65
WEDGE ANGLE: 7 Deg10'+10'		
WEDGE INSIDE DIAMETER: 0.620 X 4 Deg		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5 1/2" DIA X 2 1/2"	AISI 1040/1045	11/23/90
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 14 Deg	WEDGE HOLE DIA: 1.160"	STRAND HOLE DIA: 0.687"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 14" X 14" X 4"	A36 Galvanized	10/30/1990
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 4.5"-8 strand	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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updated: 2/22/16

**GENERAL**

COMPANY : CONTECH (Tie Back ) Bar or TENDON SIZE: 9  
SYSTEM NAME: CTS 9.06 Approval 11/5/2003 STRAND DIAMETER: 0.6"  
PJACK (KIPS): 396 Concrete strength: 3500 psi ULTIMATE (KIPS): 528

---

**WEDGES**

WEDGE LENGTH: 1.875" 2 Part Material  
12 L 14  
WEDGE ANGLE: 7 Deg±10'  
WEDGE INSIDE DIAMETER: 0.620"

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5.875" x 2.750"	A536 Gr. 80-55-06	11/5/03
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 deg. WEDGE HOLE DIA: 1.18" STRAND HOLE DIA: .7"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: various	A36	
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :

---

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**GENERAL**

COMPANY : CONTECH (Tie Back )		Bar or TENDON SIZE: 12
SYSTEM NAME: 12-0.6 (Lang anchor head )	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 506.3	Concrete strength: 3500 psi	ULTIMATE (KIPS): 703.2

---

**WEDGES**

WEDGE LENGTH: 1.875" (Two part )		Material 12 L 14 (10/31/95 )
WEDGE ANGLE: 7 Deg10'+10'		
WEDGE INSIDE DIAMETER: 0.620 X 4 Deg		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7.30" DIA X 3.25"	Cast 65-45-12 Ductile Iron	9/29/95
#2: Without 11/8" center hole		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.17"	STRAND HOLE DIA: ..0.66"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 17" X 17" X 21/2"	ASTM A-36 (Bearing plate was not included of approval )	
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 5.625"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

---

**Spiral :** NOTE: Bearing plate approved for the job by prestressing committee, our result reported to prestressing committee not to vender



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updated: 2/22/16

**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 1
SYSTEM NAME: 1-0.6" Epoxy	Approval 6/21/2003	STRAND DIAMETER: 0.6"
PJACK (KIPS): 44	Concrete strength: 3500 psi	ULTIMATE (KIPS): 58.6

---

**WEDGES**

WEDGE LENGTH: 2.0" & 1.97" (3 Part )		Material 12 L14 or 11 L 17
WEDGE ANGLE: 7 Deg ±5'		
WEDGE INSIDE DIAMETER: .687"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 3.86" DIA X 7.874"	A536 GR. 65-45-12	6/21/03
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.339"	STRAND HOLE DIA: .788"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 2
SYSTEM NAME: 2-0.6"	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 88	Concrete strength: 3500 psi	ULTIMATE (KIPS): 117.2

---

**WEDGES**

WEDGE LENGTH: 1.654" (3 Part )		Material
		12 L14 or 11 L 17
WEDGE ANGLE: 7 Deg 30'		
WEDGE INSIDE DIAMETER: .56"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 3 1/2" DIA X 2.00"	AISI 1045-1050	9/3/92
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.122"	STRAND HOLE DIA: .669"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 3
SYSTEM NAME: 3-0.6"	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 131.8	Concrete strength: 3500 psi	ULTIMATE (KIPS): 175.8

---

**WEDGES**

WEDGE LENGTH: 1.654" (3 Part )		Material
		12 L 14 or 11 L 17
WEDGE ANGLE: 7 Deg 30'		
WEDGE INSIDE DIAMETER: .56"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4 1/2" DIA X 2.00"	AISI 1045 - 1050	9/3/92
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.122"	STRAND HOLE DIA: .669"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 4
SYSTEM NAME: 4-0.6	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 176	Concrete strength: 3500 psi	ULTIMATE (KIPS): 234.4

---

**WEDGES**

WEDGE LENGTH: 1.875"-1.654" (3 Part )		Material
		AISI C12L14 Rc 58-67
WEDGE ANGLE: 7 Deg 10'+5'		AISI 12L14 -11L17
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4" Square X 2"	C1045	9/12/79
#2: 4 1/2" DIA X 2"	AISI 1045-1050	10/28/1992
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.160"-1.122	STRAND HOLE DIA: 0.71"-.669

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 7 3/8" Square X 1 1/8"	ASTM A-36	9/12/1979
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 3 1/4"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8"	22 Gage	9/12/1979
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 2" ID		9/12/1979
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 4
SYSTEM NAME: 4-0.6 TD	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 176	Concrete strength: 3500 psi	ULTIMATE (KIPS): 234.4

---

**WEDGES**

WEDGE LENGTH: 1.875"		Material
		AISI C12L14 Rc 58-67
WEDGE ANGLE: 7 Deg 10'+5'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4" Square X 2"(w/4 Hole)	C1045-1050	3/26/92
#2: 4"Square x 13/4"(Ret Plate)	A-36 Steel Plate	3/26/1992
#3: 4"Square x 1" (Ret Plate)	A-36 Steel Plate	3/26/1992
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.16"	STRAND HOLE DIA: 0.70"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 4
SYSTEM NAME: 4-0.6" 4" x 13"	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 176	Concrete strength: 3500 psi	ULTIMATE (KIPS): 234.4

---

**WEDGES**

WEDGE LENGTH: 1.875"		Material
		AISI C12L14 Rc 58-67
WEDGE ANGLE: 7 Deg 10' +5		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4" x 13" x 2.25"	ASTM A-536,Gr 80-55-06	4/21/86
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.160"	STRAND HOLE DIA: 0.71"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: Integral		4/21/1986
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: .....	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 11-1/2"	ASTM D4976 Polyethylene	4/21/1986
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 3" X 1" ID	22 GAGE	4/21/1986
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 5
SYSTEM NAME: 5-0.6"	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 220	Concrete strength: 3500 psi	ULTIMATE (KIPS): 293.0

---

**WEDGES**

WEDGE LENGTH: 1.77"		Material
		AISI C12L14 Rc 58-67
WEDGE ANGLE: 7 Deg 20'+ 5		11L17
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5" Square x 2 1/2"	AISI 1045	6/25/80
#2: 5 1/8" DIA X2.559" (MPA)	Cast ASTM A-536 Gr 80-55-06	3/27/1991
#3:		
#4:		
WEDGE HOLE ANGLE: 6 Deg	WEDGE HOLE DIA: 1.102"	STRAND HOLE DIA: 0.669"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 8 1/4" Square x 1 1/8"	ASTM A-36	6/25/1980
#2: 5.9" x 3.543" round	A536 Gr. 65-45-12	3/27/1991
#3:		
#4:		
#5:		
BEARING HOLE DIA: 3.543"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 9.842"	ASTM D4976 PE Hard	3/27/1991
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 6
SYSTEM NAME: 6-0.6"	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 264	Concrete strength: 3500 psi	ULTIMATE (KIPS): 351.6

---

**WEDGES**

WEDGE LENGTH: 1.875" -1.654" (3 Part )		Material
		AISI C12L14 Rc 58-67
WEDGE ANGLE: 7 Deg 10' +5 -- 7 Dag 30'		12 L14 or 11 L 17
WEDGE INSIDE DIAMETER: .56"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6" Square x 2 1/2"	AISI C1045-C1050	12/4/84
#2: 5 3/4" DIA X 2 1/2"	AISI C1045-C1050	9/3/1992
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.160"-1.122	STRAND HOLE DIA: 0.71"-.669

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 9 1/16" Square x 1"	ASTM A-36	12/4/1984
#2: 8" x 10 1/4" x 13/8"	ASTM A-36	12/4/1984
#3: 7" x 11 3/4" x 17/8"	ASTM A-36	12/4/1984
#4: 12" Square x 1-3/8"	ASTM A-36	12/4/1984
#5:		
BEARING HOLE DIA: 4 1/4"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---



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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 9
SYSTEM NAME: 9-0.6	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 396	Concrete strength: 3500 psi	ULTIMATE (KIPS): 527.4

---

**WEDGES**

WEDGE LENGTH: 1.654"		Material
		AISI C12L14 Rc 58-67
WEDGE ANGLE: 7 Deg 30'+10		Or 11 L 17
WEDGE INSIDE DIAMETER: .56"+.003		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5.512" DIA x2.165"	ASTM A-521-76 (Forged )	9/17/91
#2: 7" DIA x 23/8"	AISI C1045-C1050	4/21/1986
#3: 5.750" DIA X 2.441"	AISI C 1045 (Hot roll)	3/27/1991
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.102"-1.122	STRAND HOLE DIA: 0.669"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 111/8"Square x 15/8"	ASTM A-36	3/16/1979
#2: 111/8" Square X11/2"	ASTM A-36	1/18/1991
#3: 7.480 Dia x4.921 (MPA)	ASTM A-536 Gr 65-45-12	9/5/1991
#4:		
#5:		
BEARING HOLE DIA: 4.449"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 13.980"	ASTM D4976 - Hard Polyethylene	9/5/1991
#2: 19"	ASTM D1248 ABS .10"	2/20/1981
#3: 17"	ASTM D1248 - Polyethylene .08"	5/8/1984
#4: 25"	ASTM D1248 - Polyethylene .08"	5/8/1984
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 27/8" OD	26 Gage	3/16/1979
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 12
SYSTEM NAME: 12-0.6 MA (Standard)	Approval 8/1/2014	STRAND DIAMETER: 0.6"
PJACK (KIPS): 527	Concrete strength: 4000 psi	ULTIMATE (KIPS): 703

---

**WEDGES**

	Material
WEDGE LENGTH: 1.654" (3 part)	AISI C12L14 or
WEDGE ANGLE: 7°30' +/- 10'	C11L17
WEDGE INSIDE DIAMETER: 0.56" +/- .003	

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6.25"Ø x 2.75"	HR C1045	11/16/07
#2: 6.30"Ø x 2.56"	ASTM A521 (Forged)	9/17/1991
#3:		
#4:		

  

WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:
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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 8.661"Ø x 7.086"	ASTM A536 Gr. 65-45-12	11/16/2007
#2:		
#3:		
#4:		
#5:		

  

BEARING HOLE DIA: 5.039"	Spiral size and turns:
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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 16.929" x 4.724"	Hard Polyethylene	11/16/2007
#2: 19.685" x 4.724"	Hard Polyethylene	3/27/1991
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 3.5" OD	ASTM A653 Gr.60	11/16/2007
#2:		

---

**Spiral :** A615 Grade 60 #5 @ 2.25" Pitch; 11.25" OD; 6 turns

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 12
SYSTEM NAME: 12-0.6 MA (System 100)	Approval 8/1/2014	STRAND DIAMETER: 0.6"
PJACK (KIPS): 527	Concrete strength: 4000 psi	ULTIMATE (KIPS): 703

---

**WEDGES**

WEDGE LENGTH: 1.654" (3 part)	Material AISI C12L14 or
WEDGE ANGLE: 7°30' +/- 10'	C11L17
WEDGE INSIDE DIAMETER: 0.56" +/- .003	

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6.25"Ø x 2.75"	HR C1045	11/16/07
#2: 6.30"Ø x 2.56"	ASTM A521 (Forged)	9/17/1991
#3:		
#4:		

  

WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:
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---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 8.925"Ø x 7.104"	ASTM A536 Gr. 65-45-12	8/1/2014
#2:		
#3:		
#4:		
#5:		

  

BEARING HOLE DIA:	Spiral size and turns:
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---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 16.929" x 4.724"	Hard Polyethylene	11/16/2007
#2: 19.685" x 4.724"	Hard Polyethylene	3/27/1991
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 3.5" OD	ASTM A653 Gr.60	11/16/2007
#2:		

---

**Spiral :** A615 Grade 60 #5 @ 2.00" Pitch; 12.5" OD; 7 turns

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 15
SYSTEM NAME: 15-0.6	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 659.2	Concrete strength: 3500 psi	ULTIMATE (KIPS): 879

---

**WEDGES**

WEDGE LENGTH: 1.770" (3 Part )		Material
		C11L17-C12L14
WEDGE ANGLE: 7 Deg 20'+5'		Rc 60-64
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7.087" DIA X 2.756"	ASTM A521-76 (Forged )	9/17/91
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg +10'	WEDGE HOLE DIA: 1.102"	STRAND HOLE DIA: 0.669"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 9.843" DIA X 7.874"	ASTM A536 Gr 65-45-12	9/17/1991
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 5.827"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 27-5/8"	ASTM D4976 - Hard Polyethylene	3/27/1991
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 19
SYSTEM NAME: 19-0.6 MA	Approval 07/31/2014	STRAND DIAMETER: 0.6"
PJACK (KIPS): 836	Concrete strength: 4000 psi	ULTIMATE (KIPS): 1113.4

---

**WEDGES**

WEDGE LENGTH: 1.654" (3 part)	Material
WEDGE ANGLE: 7°30' +/- 10'	AISI C12L14 or
WEDGE INSIDE DIAMETER: 0.56" +/- .003	C11L17

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7.750"Ø x 3.875"	HR C1045	11/16/07
#2: 7.874"Ø x 3.425"	ASTM A521 (Forged)	9/17/1991
#3:		
#4:		

  

WEDGE HOLE ANGLE: 7°	WEDGE HOLE DIA:	STRAND HOLE DIA:
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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 11.000"Ø x 8.68"	ASTM A536 Gr 65-45-12	7/31/2014
#2: 11.024"Ø x 8.66"	ASTM A536 Gr 65-45-12	1/21/1988
#3:		
#4:		
#5:		

  

BEARING HOLE DIA: 6.378"	Spiral size and turns:
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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 17.764" x 5.71"	Hard Polyethylene	11/6/2007
#2: 23.425" x 5.71"	Hard Polyethylene	9/17/1991
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 3-13/16" OD	ASTM A653 Gr.60	11/16/2007
#2:		

---

**Spiral :** A615 Grade 60 #5 @ 1.875" Pitch; 14.5" OD; 7 turns

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 20
SYSTEM NAME: 20-0.5 MA	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 620	Concrete strength:	ULTIMATE (KIPS): 826

---

**WEDGES**

WEDGE LENGTH: 1.575" (3 Part )		Material
		AISI 12L 14 Or 11 L 17
WEDGE ANGLE: 7 Deg 30'±10'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7.087" DIA X 2.756"	ASTM-A521-76 (Forged )	9/3/97
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7Deg	WEDGE HOLE DIA: 0.984"	STRAND HOLE DIA: 0.551"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 9.843" DIA X 7.874" (MPA)	ASTM-A536 Gr 65-45-12	9/17/1991
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 5.827"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 15.719	ASTM A4976 - H.D.P.E	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 3.720 OD		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 27
SYSTEM NAME: 27-0.5 MA	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 836.3	Concrete strength:	ULTIMATE (KIPS): 1115.1

---

**WEDGES**

WEDGE LENGTH: 1.575" (3 Part )		Material
		AISI 12 L 14 Or 11 L 17
WEDGE ANGLE: 7 Deg 30'±10'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7.874" DIA X 3.425"	ASTM A521-76 (Forged)	9/3/97
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 0.984"	STRAND HOLE DIA: 0.551"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 11.024" DIA X 8.66" (MPA)	ASTM-A536 Gr 65-45-12	1/21/1988
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 6.378"	Spiral size and turns: #5-7 turns	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 17.764"	ASTM D4976 - Hard P.E.	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 3.900" OD		
#2:		

---

**Spiral :** ASTM A615 Gr 60 # 5 rebar ,1.875" pitch. 14.500 OD, 7 full turn.

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 27
SYSTEM NAME: 27-0.6 MA	Approval 08/18/2014	STRAND DIAMETER: 0.6"
PJACK (KIPS): 1188	Concrete strength: 4000 psi	ULTIMATE (KIPS): 1582.2

---

**WEDGES**

	Material
WEDGE LENGTH: 1.654" (3 part)	AISI C12L14 or
WEDGE ANGLE: 7°30' +/- 10'	C11L17
WEDGE INSIDE DIAMETER: 0.56" +/- .003	

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9.5"Ø x 4.75"	HR C1045	10/18/07
#2: 9.449"Ø x 4.134"	ASTM A-521-76 (forged)	9/17/1991
#3: 9.449"Ø x 4.134"	ASTM A536 Gr.80-55-06	08/18/2014
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 12.402"Ø x 9.449"	ASTM A536 Gr. 65-45-12	10/18/2007
#2: 12.402"Ø x 9.469"	ASTM A536 Gr. 65-45-12	08/18/2014
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns:	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 22.625" x 6.339"	Hard Polyethylene	10/18/2007
#2: 26.628" x 6.339"	Hard Polyethylene	10/18/2007
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 4.375" OD	ASTM A653 Gr.60	10/18/2007
#2:		

---

**Spiral :** A615 Grade 60 #6 @ 2.25" pitch; 17" O.D.; 7 turns



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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 31
SYSTEM NAME: 31-0.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 961	Concrete strength:	ULTIMATE (KIPS): 1280.3

---

**WEDGES**

WEDGE LENGTH: 1.375",1.470"		Material
		AISI C12L14 CD Rc 58-67
WEDGE ANGLE: 7 Deg 10'+5'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 10" Square x 31/2"	AISI C1045-C1050	5/29/85
#2: 10" DIA x 33/4"	AISI C1045-C1050	5/29/1986
#3:		
#4:		
WEDGE HOLE ANGLE: 6.5 Deg	WEDGE HOLE DIA: 0.92"	STRAND HOLE DIA: 0.59"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 17" Square x 21/4"	ASTM A-36	7/5/1986
#2: 161/4" x 1713/16" x 21/2"	ASTM A-36	7/5/1986
#3: 159/16" x 189/16" x 23/4"	ASTM A-36	7/5/1986
#4:		
#5:		
BEARING HOLE DIA: 71/4"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 30"	24 Gage	5/29/1985
#2: 28"	Polyethylene .10"	5/29/1985
#3: 36"	Polyethylene .10"	5/29/1985
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 315/16" ID	26 Gage	5/29/1985
#2:		
Spiral :		

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 37
SYSTEM NAME: 37-0.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 1146	Concrete strength:	ULTIMATE (KIPS): 1548.7

---

**WEDGES**

WEDGE LENGTH: 1.575" (3 Part )		Material
		AISI C12 L 14-11 L 17
WEDGE ANGLE: 7 Deg 30'+10'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9.449" DIA X 4.134"(Forged)	ASTM A521-76 CI CC	9/17/91
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg +10'	WEDGE HOLE DIA: 1.102"	STRAND HOLE DIA: 0.669"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 12.402" DIA X 9.449"	ASTM A536 GR65-45-12	1/21/1988
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 7.490"	Spiral size and turns: #6-7 turns	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 26.26"	ASTM D4976 - 0.138" Thick P.E. (Hard )	1/21/1988
#2: 27.7/8"	ASTM D1248 - Hard Polyethylene	3/27/1991
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 4.61" O.D.	26 Gage Steel	1/21/1988
#2:		

---

**Spiral :** ASTM A 615 gr 60 # 6 21/4" pitch 17" O.D. 7 full turns

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**GENERAL**

COMPANY : Dywidag (DSI)		Bar or TENDON SIZE: 37
SYSTEM NAME: 37-0.6 (MPA)	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 1626.2	Concrete strength:	ULTIMATE (KIPS): 2168.2

---

**WEDGES**

WEDGE LENGTH: 1.654" (3 Part )		Material
WEDGE ANGLE: 7 Deg 30'+10'		AISI C12L14 -11L17
WEDGE INSIDE DIAMETER: .560"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 10.774" DIA X 5.315"	ASTM A-521-76(Forged)	2/27/95
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg +10'	WEDGE HOLE DIA: 1.142"	STRAND HOLE DIA: .669"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 15.354" Square X 13.780"	ASTM A536 Gr 60-42-10	2/27/1995
#2: 24.5" Square X 4"	A36 Steel Plate	4/6/1995
#3:		
#4:		
#5:		
BEARING HOLE DIA: 8.465"	Spiral size and turns: #6-8 turns	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 24.608"	ASTM D4976 - H.D.P.E	2/27/1995
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:	U.S std Gauge 26(Galv Corrugated )	2/27/1995
#2:		

---

**Spiral :** ASTM-A 615 Grad 60 #6 @ 2.625 pitch 20" O.D. 8 full turn

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**GENERAL**

COMPANY : Dywidag (DSI) (TD)		Bar or TENDON SIZE: 8
SYSTEM NAME: 8-0.6	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 351.6	Concrete strength:	ULTIMATE (KIPS): 468.8

---

**WEDGES**

WEDGE LENGTH: 1.875" (2 Part )		Material
WEDGE ANGLE: 7Deg 10' +5'		AISI-C12L14 CD
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7" DIA X 2-3/8" (w / 4 Hole )	AISI C1045-C1050	12/19/90
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 6.5 Deg	WEDGE HOLE DIA: 1.16"	STRAND HOLE DIA: 0.71"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

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**GENERAL**

**COMPANY :** Dywidag (DSI) (TD) **Bar or TENDON SIZE:** 35  
**SYSTEM NAME:** 35-0.6 Epoxy Coated Strand **Approval** 04/08/1999 **STRAND DIAMETER:** 0.6"  
**PJACK (KIPS):** 1540 **Concrete strength:** **ULTIMATE (KIPS):** 2051

---

**WEDGES**

**WEDGE LENGTH:** 1.969" (3 part) **Material**  
C15PbK  
**WEDGE ANGLE:** 7° 20'+/-5"  
**WEDGE INSIDE DIAMETER:**

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 16.00"DIA x 6.00"	AISI 1045	4/8/99
#2: 15.750"DIAx 2.500" (Retainer Plate)	ASTM A36	
#3:		
#4:		

**WEDGE HOLE ANGLE:** 7 Deg +/- 10' **WEDGE HOLE DIA:** 1.339" **STRAND HOLE DIA:** 0.843"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		04/08/1999
#2:		
#3:		
#4:		
#5:		

**BEARING HOLE DIA:** 10.00" **Spiral size and turns:**

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

**Spiral :**

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updated: 2/22/16

**GENERAL**

COMPANY : LANG		Bar or TENDON SIZE: 4
SYSTEM NAME: 4-0.6	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 176	Concrete strength:	ULTIMATE (KIPS): 234.4

---

**WEDGES**

WEDGE LENGTH:	1.595" (2 part wedge )	Material 12 L14
WEDGE ANGLE:	7 Deg 5' +5'	
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4.70" DIA x 2.00"	Cast from 80-55-06 Ductile iron	8/22/90
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: ..... WEDGE HOLE DIA: ..... STRAND HOLE DIA: 0.72"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 7.00" Square x 1.1/2"	ASTM A-36	8/22/1990
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 3.7/8"                      Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :

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**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : LANG	Bar or TENDON SIZE: 6	
SYSTEM NAME: 7-0.6(Approved for 6 strand Approval	STRAND DIAMETER: .6"	
PJACK (KIPS): 263.7	Concrete strength:	ULTIMATE (KIPS): 351.6

---

**WEDGES**

WEDGE LENGTH: 1.595"		Material
WEDGE ANGLE: 7 Deg 10'		12L14
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5.40" DIA x 3.150"	ASTM A536 80-55-06	6/6/86
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 7" Square x 13/4"	ASTM A-36	6/6/1986
#2: 12" x 13" x 2"	ASTM A-36	6/6/1986
#3:		
#4:		
#5:		
BEARING HOLE DIA: 4.0"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc.		Bar or TENDON SIZE: 12
SYSTEM NAME: SDI 12.6-PC	Approval 4/8/2014	STRAND DIAMETER: 0.6"
PJACK (KIPS): 527	Concrete strength: 3500 psi	ULTIMATE (KIPS): 703

---

**WEDGES**

WEDGE LENGTH: 1.77" (2-Part)		Material AISI 11L17 or 12L14
WEDGE ANGLE: 7 deg		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7.06" OD x 5.2" shldr x 3" depth	ASTM A536 Grade 80-55-06	
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 11.50" OD x 5.5" ID x 3" depth	ASTM A 536 Grade 80-55-06	
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns:	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 14" x 5-7/16" OD x 3-3/8" ID	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 3" ID		
#2:		

---

Spiral : #4 Spiral @13" OD 6 turns @ 3" Pitch



**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 1
SYSTEM NAME: 1.6 (Epoxy)	Approval 1/13/2014	STRAND DIAMETER: 0.6"
PJACK (KIPS): 44.0	Concrete strength: 3,500 PSI	ULTIMATE (KIPS): 58.6

---

**WEDGES**

WEDGE LENGTH: 1-13/16" (3 Part)		Material AISI 11L17 or 12L14
WEDGE ANGLE: 7°		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5-13/16" x 3" x 1-9/16"	A536 Grade 80-55-06	
#2:		
#3:		
#4:		

  

WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:
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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

  

BEARING HOLE DIA:	Spiral size and turns:
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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 2" ID	Galvanized Spiro	
#2:		

---

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 1
SYSTEM NAME: 1.6 (Standard)	Approval 1/13/2014	STRAND DIAMETER: 0.6"
PJACK (KIPS): 44.0	Concrete strength: 3,500 PSI	ULTIMATE (KIPS): 58.6

---

**WEDGES**

WEDGE LENGTH: 1-3/4" (2 Part)		Material AISI 11L17 or 12L14
WEDGE ANGLE:		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5-13/16" x 3" x 1-9/16"	A536 Grade 80-55-06	
#2:		
#3:		
#4:		

  

WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:
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---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

  

BEARING HOLE DIA:	Spiral size and turns:
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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 2" ID	Galvanized Spiro	
#2:		

---

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 2
SYSTEM NAME: SDI 2.6A (Epoxy)	Approval 8/21/2012	STRAND DIAMETER: 0.6"
PJACK (KIPS):	Concrete strength: 3500 psi	ULTIMATE (KIPS): 234

---

**WEDGES**

WEDGE LENGTH:	1.81"	Material
		Aisi 12L14 , 11L17
WEDGE ANGLE:	7 Deg	3-PART
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 3.25" x 6.75" x 2.0"	A536 Gr.80-55-06	8/21/12
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 4.375" x 1.8125" x 2.5625"	Grout Cap - Nylon 6, G.F. Black	8/21/2012
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8.0"	HDPE	8/21/2012
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 2" dia round	metal	
#2:		

---

**Spiral :** NOTES: Local zone reinforcement: 2 pairs of #3 stirrups (4 total)

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 2
SYSTEM NAME: SDI 2.6A (Standard)	Approval 8/08/2012	STRAND DIAMETER: 0.6"
PJACK (KIPS):	Concrete strength: 3500 psi	ULTIMATE (KIPS): 234

---

**WEDGES**

WEDGE LENGTH: 1.77"		Material Aisi 12L14 , 11L17
WEDGE ANGLE: 7 Deg'		2-PART
WEDGE INSIDE DIAMETER: O.D. 1.13		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 3.25" x 6.75" x 2.0"	A536 Gr.80-55-06	8/8/12
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 4.375" x 1.8125" x 2.5625"	Grout Cap - Nylon 6, G.F. Black	8/8/2012
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8.0"	HDPE	8/8/2012
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 2" dia	metal	
#2:		

---

**Spiral :** NOTES: Local zone reinforcement: 2 pairs of #3 stirrups (4 total)

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 4
SYSTEM NAME: SDI 4.6A (Epoxy)	Approval 8/23/2011	STRAND DIAMETER: 0.6"
PJACK (KIPS):	Concrete strength: 3500 psi	ULTIMATE (KIPS): 234

---

**WEDGES**

WEDGE LENGTH: 1.81"		Material Aisi 12L14 , 11L17
WEDGE ANGLE: 7 Deg 5'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4.1325" x 8" x 2.125"	A536 Gr.80-55-06	8/23/11
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8.9375"	HDPE	8/23/2011
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 2" dia or 1" x 3" oval	metal	
#2:		

---

**Spiral :** NOTES: Local zone reinforcement: 2 pairs of #3 stirrups (4 total)

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 4
SYSTEM NAME: SDI 4.6A (Standard)	Approval 06/01/2012	STRAND DIAMETER: 0.6"
PJACK (KIPS):	Concrete strength: 3500 psi	ULTIMATE (KIPS): 234

---

**WEDGES**

WEDGE LENGTH: 1.81"		Material Aisi 12L14 , 11L17
WEDGE ANGLE: 7 Deg 5'		2-PART
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4.1325" x 8" x 2.125"	A536 Gr.80-55-06	6/1/12
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA: O.D. 1.125	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 3.9375" x 3.25" x 2.625"	SDI 4.6A-PC Permanent Grout Cap (Nylon 6,	06/01/2012
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8.9375"	SDI 4.6A Trumpet (HDPE)	06/01/2012
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 1" x 3" oval	metal	
#2:		

---

**Spiral :** NOTES: Local zone reinforcement: 2 pairs of #3 stirrups (4 total)

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 4
SYSTEM NAME: SDI C4.6	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 176	Concrete strength: 4500 psi Lt.Wt.	ULTIMATE (KIPS): 234

---

**WEDGES**

WEDGE LENGTH:	1.80" 2 part	Material
WEDGE ANGLE:	7°	
WEDGE INSIDE DIAMETER:	0.62"	

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5l" x 2 1/8"	A536 GR. 80-55-06	11/27/02
#2:		
#3:		
#4:		

  

WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:
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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: none used		
#2:		
#3:		
#4:		
#5:		

  

BEARING HOLE DIA:	Spiral size and turns: none
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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 1'2" x 2 7/8"	galvanized steel	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

---

Spiral : 4 #5 stirrups

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 4
SYSTEM NAME: SDI C4.6	Approval 9/19/2007	STRAND DIAMETER: 0.6"
PJACK (KIPS): 176	Concrete strength: 3500 psi	ULTIMATE (KIPS): 234

---

**WEDGES**

		Material
WEDGE LENGTH:	1.80" 2 part	
WEDGE ANGLE:	7°	
WEDGE INSIDE DIAMETER:	0.62"	

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5 3/4" x 2 1/8"	A536 GR. 80-55-06	9/19/07
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7°	WEDGE HOLE DIA: 1 1/8"	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: none used		
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 13" x 3 1/4" transition	HDPE plastic	9/19/2007
#2: 8 7/16" x 2 11/16	HDPE plastic	9/19/2007
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 2" i.d.	Plastic	9/19/2007
#2: 1 x 3	Galvanized spiro	9/19/2007
Spiral :	4 #5 stirrups	

---



**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 4
SYSTEM NAME: SDI C4.6 (D)	Approval 3/24/2003	STRAND DIAMETER: 0.6"
PJACK (KIPS): 176	Concrete strength: 6000 psi	ULTIMATE (KIPS): 234

---

**WEDGES**

		<b>Material</b>
WEDGE LENGTH:	1.80" 2-part	
WEDGE ANGLE:	7°	
WEDGE INSIDE DIAMETER:	0.62"	

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1:	ASTM A536 GR 80-55-06	4/23/03
#2:		
#3:		
#4:		

  

WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:
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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

  

BEARING HOLE DIA:	Spiral size and turns: none
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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:	galvanized steel	
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 2" I.D.	galvanized spiro	
#2:		

---

Spiral :

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI) Bar or TENDON SIZE: 12  
SYSTEM NAME: SDI 12.6 Approval 08/20/2014 STRAND DIAMETER: 0.6"  
PJACK (KIPS): 527 Concrete strength: 4500/6500 psi ULTIMATE (KIPS): 703

**WEDGES**

WEDGE LENGTH: 1-3/4" (2 part) Material  
AISI 11L17 or 12L14  
WEDGE ANGLE: 7°  
WEDGE INSIDE DIAMETER: 9/16"

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7.25" □ ∅ x 3.375"	A536 Gr. 80-55-06	11/25/02
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: WEDGE HOLE DIA: STRAND HOLE DIA:

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 11.5" ∅ x 3"	A536 Gr. 80-55-06	11/25/2002
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 5.375" Spiral size and turns:

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 14" x 5-7/16"	HDPE	
#2:		
#3:		
#4:		
#5:		

**DUCTS**

Duct Size	Material	Approval Date
#1: 3.25" O.D.	galvanized spiro	
#2:		

Spiral : VARIES depending on concrete strength: see approval letter

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI) Bar or TENDON SIZE: 19  
SYSTEM NAME: SDI 19.6 Approval 4/7/2014 STRAND DIAMETER: 0.6"  
PJACK (KIPS): 835 Concrete strength: 3500 psi ULTIMATE (KIPS): 1113

**WEDGES**

Material  
WEDGE LENGTH: 1.80" x 1.12" 2 part  
WEDGE ANGLE: 7°  
WEDGE INSIDE DIAMETER: 0.62"

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: SDI 8.125" x 3.75" w/step	A536 GR. 80-55-06	8/13/07
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 6° 55' WEDGE HOLE DIA: 1.16" STRAND HOLE DIA:

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 14.5" x 3" RD	A536 GR. 80-55-06	1/20/2003
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: Spiral size and turns: #4-4.5 turns

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 15.5" x 7"	HDPE	
#2:		
#3:		
#4:		
#5:		

**DUCTS**

Duct Size	Material	Approval Date
#1: 4.25" O.D.	galvanized spiro	
#2:		

Spiral : #4 spiral 17" O.D. 4.5 turns@ 4° pitch

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI) Bar or TENDON SIZE: 19  
SYSTEM NAME: SDI 19.6-PC Approval 4/9/2014 STRAND DIAMETER: 0.6"  
PJACK (KIPS): 835 Concrete strength: 3500 psi ULTIMATE (KIPS): 1113

**WEDGES**

Material  
WEDGE LENGTH: 1.80" x 1.12" 2 part  
WEDGE ANGLE: 7°  
WEDGE INSIDE DIAMETER: 0.62"

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: SDI 8.125" x 3.75" w/step	A536 GR. 80-55-06	8/13/07
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 6° 55' WEDGE HOLE DIA: 1.16" STRAND HOLE DIA:

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 13" x 3" RD	A536 GR. 80-55-06	7/14/2005
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: Spiral size and turns: #5-7-turns

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 19.94" x 6.5"	HDPE	
#2:		
#3:		
#4:		
#5:		

**DUCTS**

Duct Size	Material	Approval Date
#1: 4.25" O.D.	galvanized spiro	
#2:		

Spiral : #5 spiral 17" od 7-turns @ 3" pitch

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 19
SYSTEM NAME: SDI 19.6-PC1	Approval 8/6/2014	STRAND DIAMETER: 0.6"
PJACK (KIPS): 835	Concrete strength: 3500 psi	ULTIMATE (KIPS): 1113

---

**WEDGES**

WEDGE LENGTH: 1.80" x 1.12" (2 part)		Material AISI 11L17 or 12L14
WEDGE ANGLE: 7°		
WEDGE INSIDE DIAMETER: 0.62"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: SDI 8.125" x 3.75" w/step	A536 GR. 80-55-06	8/13/07
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 14.5" x 3" RD	A536 GR. 80-55-06	8/6/2014
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns:	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: SDI 19.6	HDPE	
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 4" I.D.	galvanized spiro	
#2:		

---

**Spiral :** #4 spiral 17" O.D. 4.5 turns@ 4° pitch

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 22
SYSTEM NAME: SDI 22.6-8	Approval <a href="#">3/29/2013</a>	STRAND DIAMETER: 0.6"
PJACK (KIPS): 966.8	Concrete strength: 3,500 PSI	ULTIMATE (KIPS): 1289

---

**WEDGES**

WEDGE LENGTH: 1-3/4" 2 Part		Material ANSI 11L17 OR 12L14
WEDGE ANGLE: 7 Deg.		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9" x 3-3/4" w/step	A536 GR. 80-55-06	
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 15.5" OD x 3"	A536 GR. 80-55-06	
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 6-7/8"	Spiral size and turns:	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 21-7/8" x 4-3/16"(1/8" thick)	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:	Galvanized Spiro	
#2:		

---

Spiral : #4 spiral @ 17" OD, 6 turns at 3.5" pitch

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY :	Schwager Davis Inc. (SDI)	Bar or TENDON SIZE: 22	
SYSTEM NAME:	SDI 22.6-PC	Approval 1/15/2014	STRAND DIAMETER: 0.6"
PJACK (KIPS):	966.8	Concrete strength: 3,500 PSI	ULTIMATE (KIPS): 1289

---

**WEDGES**

WEDGE LENGTH:	1-3/4" 2 Part	Material	
			ANSI 11L17 OR 12L14
WEDGE ANGLE:	7 Deg.		
WEDGE INSIDE DIAMETER:			

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9" x 3-3/4" w/step	A536 GR. 80-55-06	
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 15.5" OD x 3"	A536 GR. 80-55-06	
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns:	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 21-7/8" x 4-3/16"(1/8" thick)	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:	Galvanized Spiro	
#2:		

---

Spiral : #4 spiral @ 17" OD, 6 turns at 3.5" pitch

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 27
SYSTEM NAME: SDI 27.6	Approval 11/15/2007	STRAND DIAMETER: 0.6"
PJACK (KIPS): 1187	Concrete strength: 3500 psi	ULTIMATE (KIPS): 1582

---

**WEDGES**

		Material
WEDGE LENGTH:	1-3/4" 2 part	
WEDGE ANGLE:	7 Deg.	
WEDGE INSIDE DIAMETER:	0.62"	

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9-3/4" (bearing end) x 4" w/step	A536 GR. 80-55-06	11/15/07
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA: 1-3/16"	STRAND HOLE DIA: 15/16"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 17"dia. x 3-1/4"	A536 GR. 80-55-06	11/15/2007
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 7-5/8"	Spiral size and turns:	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 1'-6.5"	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 4.75" O.D.	galvanized spiro	
#2:		

---

**Spiral :** #5 spiral @ 18" OD, 4.2 turns @ 4" pitch



State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI) Bar or TENDON SIZE: 27  
SYSTEM NAME: SDI 27.6-PC Approval 11/15/2007 STRAND DIAMETER: 0.6"  
PJACK (KIPS): 1187 Concrete strength: 3500 psi ULTIMATE (KIPS): 1582

---

**WEDGES**

Material  
WEDGE LENGTH: 1-3/4" 2 part  
WEDGE ANGLE: 7 Deg.  
WEDGE INSIDE DIAMETER: 0.62"

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9-3/4" (bearing end) x 4" w/step	A536 GR. 80-55-06	11/15/07
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: WEDGE HOLE DIA: 1-3/16" STRAND HOLE DIA: 15/16"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 17"dia. x 3-1/4" PC	A536 GR. 80-55-06	11/15/2007
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 7-5/8" Spiral size and turns:

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 1'-6.5"	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 4.75" O.D.	galvanized spiro	
#2:		

---

Spiral : #5 spiral @ 18" OD, 4.2 turns @ 4" pitch

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 31
SYSTEM NAME: C31.6-8-S	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 1362	Concrete strength: 6500 psi.	ULTIMATE (KIPS): 1817

---

**WEDGES**

WEDGE LENGTH:	1.80" 2 Part	Material
WEDGE ANGLE:	7 °	
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1:		
#2: 10.625 x 4.875 w/step	A536 GR. 80-55-06	12/10/2004
#3:		
#4:		
WEDGE HOLE ANGLE: 6° 55'	WEDGE HOLE DIA: 1.16"	STRAND HOLE DIA: 11/16"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 18" x 3" Round	A536 GR. 80-55-06	11/25/2002
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 8 .125"	Spiral size and turns: #5-5.7 turn	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8 5/16" x 18.5"	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 127 mm o.d.	galvanized spiro	
#2:		

---

**Spiral :** #5 spiral @ 20" 5.7 turns @ 3" pitch

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY: Schwager Davis Inc. (SDI)	Bar or TENDON SIZE: 31	
SYSTEM NAME: SDI 31.6-8 & C31.6-8	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 1362	Concrete strength: 3500 psi.	ULTIMATE (KIPS): 1817

---

**WEDGES**

WEDGE LENGTH:	1.80" 2 Part	Material
WEDGE ANGLE:	7 °	
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 10.25" x 4.25"	AISI 1040/1045 HR	11/25/02
#2: 10.625 x 4.875	A536 GR. 80-55-06	8/6/2003
#3:		
#4:		

  

WEDGE HOLE ANGLE: 6° 55'	WEDGE HOLE DIA: 1.16"	STRAND HOLE DIA: 11/16"
--------------------------	-----------------------	-------------------------

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 18" x 3" Round	A536 GR. 80-55-06	11/25/2002
#2:		
#3:		
#4:		
#5:		

  

BEARING HOLE DIA: 8 .125"	Spiral size and turns: #5-5.7 turn
---------------------------	------------------------------------

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8 5/16" x 18.5"	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 127 mm o.d.	galvanized spiro	
#2:		

---

**Spiral :** #5 spiral @ 20" 5.7 turns @ 3" pitch

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 37
SYSTEM NAME: SDI C37.6-8	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 1626	Concrete strength: 3500 psi	ULTIMATE (KIPS): 2168

---

**WEDGES**

WEDGE LENGTH:	1.80" 2 Part	Material
WEDGE ANGLE:	7 Deg.	
WEDGE INSIDE DIAMETER:	0.62"	

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1:	AISI C1045 H.R. Normalized	11/7/02
#2:	Machined Head	
#3:		
#4:		

WEDGE HOLE ANGLE: 6 Deg. 55'      WEDGE HOLE DIA: 1 3/16"      STRAND HOLE DIA: 11/16"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 20" Dia. x 3"	A536 GR. 80-55-06	11/7/2002
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 9 1/8"      Spiral size and turns: #5-5.2 turns

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 23" long 9 5/16" O.D. 5 13/16 id	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 5I" O.D.	galvanized spiro	
#2:		

---

**Spiral :** #5 spiro @ 22" 5.2 turn @ 4" pitch

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Schwager Davis Inc. (SDI)		Bar or TENDON SIZE: 37
SYSTEM NAME: SDI C37.6-8-S	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 1626	Concrete strength: 6500 psi	ULTIMATE (KIPS): 2168

---

**WEDGES**

		Material
WEDGE LENGTH: 1.80"	2 Part	
WEDGE ANGLE: 7 Deg.		
WEDGE INSIDE DIAMETER: 0.62"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1:	AISI C1045 H.R. Normalized	12/10/04
#2:	Machined Head	
#3:		
#4:		
WEDGE HOLE ANGLE: 6 Deg. 55'	WEDGE HOLE DIA: 1 3/16"	STRAND HOLE DIA: 11/16"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 20" Dia. x 3"	A536 GR. 80-55-06	11/7/2002
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 9 1/8"	Spiral size and turns: #5-5.2 turns	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 23" long 9 5/16" O.D. 5 13/16 id	HDPE	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 5I" O.D.	galvanized spiro	
#2:		

---

**Spiral :** #5 spiro @ 22" 5.2 turn @ 4" pitch

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : Stressteel PT Systems		Bar or TENDON SIZE: 7
SYSTEM NAME: SAS/GSS 7.6	Approval 11/8/2010	STRAND DIAMETER: 0.6"
PJACK (KIPS):	Concrete strength: 3200 psi	ULTIMATE (KIPS):

---

**WEDGES**

WEDGE LENGTH: 1.80" (2-Part or 3-Part)		Material AISI 12L14 or 11L17
WEDGE ANGLE: 7 deg		
WEDGE INSIDE DIAMETER: 0.62"		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5.25" Dia, x 2.375"thick - 4" seat	Grade 80-55-06	
#2: 4-1/16" ID x 5-1/2" OD x 1/2" Ring	Grade 80-55-06	
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: Requires Job Specific Approval		
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns:	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 1

SYSTEM NAME: SB1.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 31

Concrete strength:

ULTIMATE (KIPS): 41.3

---

**WEDGES**

WEDGE LENGTH: 1.85"

Material

86L20 Rc 59-62

WEDGE ANGLE: 7 Deg 10'

C11L17 Rc 59-62

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 1.625" DIA x 1.75"

AISI C11L17 Cold Rolled

8/18/78

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 0.970"

STRAND HOLE DIA: 0.627"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 3" x 4" x 1/2"

ASTM A-36

8/18/1978

#2: 23/4" x 51/2" x 3/8"

ASTM A-36

#3:

#4:

#5:

BEARING HOLE DIA: 3/4"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1:

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 3/4" ID

Pipe

8/18/1978

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 1

SYSTEM NAME: SC1.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS):

Concrete strength:

ULTIMATE (KIPS):

---

**WEDGES**

WEDGE LENGTH: 1.30"

Material

C11L17 Rc 59-62

WEDGE ANGLE: 7 Deg 10'

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 2.2" x 5" x 1.60"

ASTM A536, Gr 80-55-06

6/7/77

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 1.00"

STRAND HOLE DIA: 0.70"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: Integral Casting

ASTM A536, 80-55-06

6/7/1977

#2:

#3:

#4:

#5:

BEARING HOLE DIA:

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1:

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1:

#2:

Spiral :



State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 4

SYSTEM NAME: S4.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 124

Concrete strength:

ULTIMATE (KIPS): 165.2

---

**WEDGES**

WEDGE LENGTH: 1.85"

Material

86L20 Rc 59-62

WEDGE ANGLE: 7 Deg 10'

C11L17 Rc 59-62

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: "4" DIA x 2"

4140/42 Cold Finished

4/2/79

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 0.970"

STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 63/4" Square x 7/8"

ASTM A-36

4/2/1979

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 23/4"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 8"

0.065" Wall Tubing

4/2/1979

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1:

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK		Bar or TENDON SIZE: 4
SYSTEM NAME: S4.6	Approval	STRAND DIAMETER: 0.6"
PJACK (KIPS): 176	Concrete strength:	ULTIMATE (KIPS): 234.4

---

**WEDGES**

WEDGE LENGTH: 1.95"		Material
		8620 Leaded Rc 59-62
WEDGE ANGLE: 7 Deg 10'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4.35" DIA x 2"	AISI C1042-C1050	8/5/82
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: .....	STRAND HOLE DIA: .....

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 7 1/2" Square x 1"	ASTM A-36	8/5/1982
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 3.4"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 15"	18 Gage Carbon Steel	8/5/1982
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 1.2"		8/5/1982
#2: 1" x 3"		
Spiral :		

---

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 4

SYSTEM NAME: S4.6P

Approval

STRAND DIAMETER: 0.6"

PJACK (KIPS): 176

Concrete strength:

ULTIMATE (KIPS): 234.4

---

**WEDGES**

WEDGE LENGTH: 1.95"

Material

8620 Leaded Rc 59-62

WEDGE ANGLE: 7 Deg

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 71/2" Square x 13/4"

AISI C1040/C1050

2/4/81

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 1.19"

STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: Integral Casting

AISI C1040/C1050

2/4/1981

#2:

#3:

#4:

#5:

BEARING HOLE DIA:

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 8"

0.065" Wall Tubing

2/4/1981

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1:

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 7

SYSTEM NAME: S7.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 217

Concrete strength:

ULTIMATE (KIPS): 289.1

---

**WEDGES**

WEDGE LENGTH: 1.85"

Material

86L20 Rc 59-62

WEDGE ANGLE: 7 Deg 10'

C11L17 Rc 59-62

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 4.8" DIA x 2.44"

AISI C1050, 4140/42

2/4/81

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 0.970"

STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 8 1/2" Square x 1"

ASTM A-36 . 42 KSI (Min yield )

2/4/1981

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 3.18"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 12"

16 Gage

2/4/1981

#2: 12"

0.065" Wall Tubing

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 2 1/4" OD

#2:

Spiral :

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 7

SYSTEM NAME: S7.5P

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 217

Concrete strength:

ULTIMATE (KIPS): 289.1

---

**WEDGES**

WEDGE LENGTH: 1.85"

Material

86L20 Rc 59-62

WEDGE ANGLE: 7 Deg 10'

C11L17 Rc 59-62

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 8" x 9" x 13/4"

AISI C1040/C1050

1/9/81

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 0.970"

STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: Integral

AISI C1040/C1050

1/9/1981

#2:

#3:

#4:

#5:

BEARING HOLE DIA:

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 12"

16 Gage

1/9/1981

#2: 12"

16 Gage

2/4/1981

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 2 1/4" OD

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 7

SYSTEM NAME: S7.6

Approval

STRAND DIAMETER: 0.6"

PJACK (KIPS): 308

Concrete strength:

ULTIMATE (KIPS): 410.2

---

**WEDGES**

WEDGE LENGTH: 1.95"

Material

8620 Leaded Rc 59-62

WEDGE ANGLE: 7 Deg 10'

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 5.35" DIA x 23/4"

AISI C1045/C1050

1/3/83

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 1.190"

STRAND HOLE DIA: 0.690"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 93/4" Square x 13/8"

ASTM A-36

1/3/1983

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 3.7"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 12"

Carbon Steel

1/3/1983

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 3.5" OD

1/3/1983

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK		Bar or TENDON SIZE: 13
SYSTEM NAME: S13.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 403	Concrete strength:	ULTIMATE (KIPS): 536.9

---

**WEDGES**

WEDGE LENGTH: 1.850"		Material
		86L20 Rc 59-62
WEDGE ANGLE: 7 Deg 10'		C11L17 Rc 59-62
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6" DIA x 2.61"	AISI C1050, 4140/42	11/2/70
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 0.970"	STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 11 1/2" Square x 11/2"	ASTM A-36	11/2/1970
#2: 11 1/4" Square x 11/4"	ASTM A-36 42 KSI (Min yield )	6/12/1974
#3:		
#4:		
#5:		
BEARING HOLE DIA: 4.42"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 16"	16 Gage	11/2/1970
#2: 16"	14 Gage	
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 25/8" OD		11/2/1970
#2:		
Spiral :		

---

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 13

SYSTEM NAME: S13.6

Approval

STRAND DIAMETER: 0.6"

PJACK (KIPS): 572

Concrete strength:

ULTIMATE (KIPS): 761.8

---

**WEDGES**

WEDGE LENGTH: 1.95"

Material

8620 Leaded Rc 59-62

WEDGE ANGLE: 7 Deg 10'

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 6.85" DIA x 3.30"

AISI C1045/C1050

1/3/83

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 1.190"

STRAND HOLE DIA: 0.690"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 131/2" Square x 2"

ASTM A-36

1/3/1983

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 5.55"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 20"

18 Gage

1/3/1983

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 31/2"

1/3/1983

#2:

Spiral :



State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 13

SYSTEM NAME: SCB13.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 403

Concrete strength:

ULTIMATE (KIPS): 536.9

---

**WEDGES**

WEDGE LENGTH: 1.85"

Material

86L20 Rc 59-62

WEDGE ANGLE: 7 Deg 10'

C11L17 Rc 59-62

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 6" DIA x 2.61"

AISI C1050, 4140/42

3/10/81

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 0.970"

STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 9" Square x 8.7"

ASTM A536, Gr 80-55-06

3/10/1981

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 4 1/2"

Spiral size and turns:

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: Integral

ASTM A536, Gr 80-55-06

3/10/1981

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 23/4"

3/10/1981

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 16

SYSTEM NAME: S19.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 496

Concrete strength:

ULTIMATE (KIPS): 660.8

---

**WEDGES**

WEDGE LENGTH: 1.85"

Material

86L20 59-62

WEDGE ANGLE: 7 Deg 10'

C11L17 Rc 59-62

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 6.80" DIA x 3.18"

AISI C1050, 4140/42

2/9/71

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 0.970"

STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 12 1/2" Square x 2"

ASTM A-36

3/21/1985

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 5.3"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 20"

16 Gage

2/9/1971

#2: 20"

12 Gage

8/8/1973

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 3 1/4" O

2/9/1971

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 16

SYSTEM NAME: S19.6

Approval

STRAND DIAMETER: .6"

PJACK (KIPS): 703.2

Concrete strength:

ULTIMATE (KIPS): 937.6

---

**WEDGES**

Material

WEDGE LENGTH:

WEDGE ANGLE:

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 7.85" DIA x 3.70"

AISI C1045/C1050

1/3/83

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 1.190"

STRAND HOLE DIA: 0.690"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 15" Square x 21/2"

ASTM A-36

10/7/1985

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 6.2"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 22"

Carbon Steel

1/3/1983

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 4.4" OD

1/3/1983

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK		Bar or TENDON SIZE: 19
SYSTEM NAME: S19.5	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 589	Concrete strength:	ULTIMATE (KIPS): 784.7

---

**WEDGES**

WEDGE LENGTH: 1.850"		Material
		86L20 Rc 59-62
WEDGE ANGLE: 7 Deg 10'		C11L17 Rc 59-62
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6.80" DIA x 3.18"	AISI C1050, 4140/42	2/9/71
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 0.970"	STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 14" Square x 2"	ASTM A-36	2/9/1971
#2: 13" x 15" x 2"	ASTM A-36 42 KSI (Min yield )	5/28/1974
#3: 12"x163/8"x2", 1"x2"x14" Ribs"	ASTM A-36	8/8/1973
#4:		
#5:		
BEARING HOLE DIA: 5.30"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 20"	16 Gage	2/9/1971
#2: 20"	12 Gage	8/8/1973
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 3 1/4" OD		2/9/1971
#2:		
Spiral :		

---

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 19

SYSTEM NAME: S19.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 589

Concrete strength:

ULTIMATE (KIPS): 784.7

---

**WEDGES**

WEDGE LENGTH: 1.47(2 part)-1.609(3part)

Material

AISI 12L14 Or C11L17

WEDGE ANGLE: 7 Deg

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 6.96" DIA X 3.1"

AISI C1045/1050 HR

12/31/96

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: .96"-1.02"

STRAND HOLE DIA: .625"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 13.750 Square X2.0"

ASTM-A36 Gr 40

12/21/1996

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 5.7"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1:

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1:

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 19

SYSTEM NAME: S19.6

Approval

STRAND DIAMETER: 0.6"

PJACK (KIPS): 836

Concrete strength:

ULTIMATE (KIPS): 1113.4

---

**WEDGES**

Material

WEDGE LENGTH: .....

WEDGE ANGLE: .....

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 7.85" DIA x 3.70"

AISI C1045/C1050

1/3/83

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 1.190"

STRAND HOLE DIA: 0.690"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 16" Square x 2 1/2"

ASTM A-36

1/3/1983

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 6.2"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 22"

Carbon Steel

1/3/1983

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 4.4"

1/3/1983

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 19

SYSTEM NAME: SCB19.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 589

Concrete strength:

ULTIMATE (KIPS): 784.7

---

**WEDGES**

WEDGE LENGTH: 1.850"

Material

86L20 Rc 59-62

WEDGE ANGLE: 7 Deg 10'

C11L17 Rc 59-62

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 6.85" DIA X 3"

AISI C1050, 4140/42

2/4/81

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 0.970"

STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 11" Square x 10 1/2"

ASTM A536, Gr 80-55-06

2/4/1981

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 5.35"

Spiral size and turns:

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: Integral

ASTM A536, Gr 80-55-06

2/4/1981

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1:

#2:

Spiral :

**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 27

SYSTEM NAME: S31.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 837

Concrete strength:

ULTIMATE (KIPS): 1115.1

---

**WEDGES**

WEDGE LENGTH: 1.850"

Material

86L20 Rc 59-62

WEDGE ANGLE: 7 Deg 10'

C11L17 Rc 59-62

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 87/8" DIA x 3.43"

AISI C1050, 4140/42

5/12/75

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 0.970"

STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 163/8" Square x 21/4"

ASTM A-36

7/10/1984

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 71/2"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 24"

12 Gage

5/12/1975

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 4" OD

5/12/1975

#2:

Spiral :



State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 31

SYSTEM NAME: S31.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 961

Concrete strength:

ULTIMATE (KIPS): 1280.3

---

**WEDGES**

WEDGE LENGTH: 1.850"

Material

86L20 Rc 59-62

WEDGE ANGLE: 7 Deg 10'

C11L17 Rc 59-62

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 87/8" DIA x 3.43"

AISI C1050, 4140/42

5/12/75

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Deg

WEDGE HOLE DIA: 0.970"

STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 171/2" Square x 21/4"

ASTM A-36

5/12/1975

#2: 171/2" Square x 2"

ASTM A-36 42 KSI

5/12/1975

#3:

#4:

#5:

BEARING HOLE DIA: 71/2"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1: 24"

12 Gage

5/12/1975

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1: 4" OD

5/12/1975

#2:

Spiral :

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : STRESSTEK

Bar or TENDON SIZE: 31

SYSTEM NAME: S31.5

Approval

STRAND DIAMETER: 1/2"

PJACK (KIPS): 961

Concrete strength:

ULTIMATE (KIPS): 1280.3

---

**WEDGES**

WEDGE LENGTH: 1.47(2 part)-1.609(3part)

Material

AISI 12L14 Or C11L17

WEDGE ANGLE: 7 Deg

WEDGE INSIDE DIAMETER:

---

**ANCHOR HEADS**

Anchor Size

Material

Approval Date

#1: 8.875" DIA X 3.750"

AISI C1045 Or 4140/42

12/31/96

#2:

#3:

#4:

WEDGE HOLE ANGLE: 7 Der

WEDGE HOLE DIA: .96"-1.02"

STRAND HOLE DIA: .625"

---

**BEARING PLATES**

Bearing Plate Size

Material

Approval Date

#1: 17.7" Square X 2.50"

ASTM-A36 Gr42

12/31/1996

#2:

#3:

#4:

#5:

BEARING HOLE DIA: 7.4"

Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size

Material

Approval Date

#1:

#2:

#3:

#4:

#5:

---

**DUCTS**

Duct Size

Material

Approval Date

#1:

#2:

Spiral :

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : VSL  
SYSTEM NAME: E5-1  
PJACK (KIPS): 31

Approval  
Concrete strength:

Bar or TENDON SIZE: 1  
STRAND DIAMETER: 1/2"  
ULTIMATE (KIPS): 41.3

---

**WEDGES**

WEDGE LENGTH: 1.570"  
WEDGE ANGLE: 7 Deg  
WEDGE INSIDE DIAMETER:

Material  
86L20 Rc 59-62

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 13/4" Square x 1.62"	C1117, C11L17	5/15/86
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg      WEDGE HOLE DIA: 1.035"      STRAND HOLE DIA: 0.57"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 3 1/2" Square x 3/8"	ASTM A-36 42 KSI (Min yield )	5/15/1986
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 3/4      Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:	1" Pipe	5/15/1986
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 1" OD		5/15/1986
#2:		

Spiral :

---

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : VSL  
SYSTEM NAME: E5-3S  
PJACK (KIPS): 93

Approval  
Concrete strength:

Bar or TENDON SIZE: 3  
STRAND DIAMETER: 1/2"  
ULTIMATE (KIPS): 123.9

---

**WEDGES**

WEDGE LENGTH: 1.570"  
WEDGE ANGLE: 7 Deg  
WEDGE INSIDE DIAMETER:

Material  
86L20 Rc 59-62

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 33/4" DIA x 2.40"	C1050 HR	
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg      WEDGE HOLE DIA: 1.035"      STRAND HOLE DIA: 0.570"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA:      Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :

---

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : VSL  
SYSTEM NAME: E5-4  
PJACK (KIPS): 124

Approval  
Concrete strength:

Bar or TENDON SIZE: 4  
STRAND DIAMETER: 1/2"  
ULTIMATE (KIPS): 165.2

---

**WEDGES**

WEDGE LENGTH: 1.570"  
WEDGE ANGLE: 7 Deg  
WEDGE INSIDE DIAMETER:

Material  
86L20 Rc 59-62

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 33/4" DIA x 2.4"	C1050 HR	12/2/81
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg      WEDGE HOLE DIA: 1.035"      STRAND HOLE DIA: 0.57"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 61/4" Square x 1"	ASTM A-36 42 KSI (Min yield )	12/2/1981
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 25/8"      Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8"		12/2/1981
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 13/4" OD		12/2/1981
#2:		

Spiral :

---

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updated: 2/22/16

**GENERAL**

COMPANY : VSL  
SYSTEM NAME: S06-4  
PJACK (KIPS): 176

Bar or TENDON SIZE: 4  
Approval  
Concrete strength:  
STRAND DIAMETER: 0.6"  
ULTIMATE (KIPS): 234.4

**WEDGES**

WEDGE LENGTH: 1.50"  
WEDGE ANGLE: 7 Deg  
WEDGE INSIDE DIAMETER:

Material  
AISI 11L17 Rc 59-62

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 11" x 4 1/2" x 2.968"	ASTM A536, 80-55-06	6/3/88
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE:                      WEDGE HOLE DIA:                      STRAND HOLE DIA:

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 13" x 5.62" x 4.12"	ASTM A-36	6/3/1988
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA:                      Spiral size and turns: none

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8.12"	Polyethylene	6/3/1988
#2:		
#3:		
#4:		
#5:		

**DUCTS**

Duct Size	Material	Approval Date
#1: 3.06" x 1.06"		6/3/1988
#2:		

Spiral :

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**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 4
SYSTEM NAME: S06-4 (using 1/2" strand )	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 123.9	Concrete strength:	ULTIMATE (KIPS): 165.2

---

**WEDGES**

WEDGE LENGTH:	1.500"(two part )	Material
WEDGE ANGLE:	7 Deg 10'	AISI 11 L 17
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 11.0"x4 1/2"x2.968"	ASTM A536 Gr 80-55-06	3/26/93
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.150"	STRAND HOLE DIA: .720"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA:	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 8.12"	High density polyethylene	6/3/1988
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 7
SYSTEM NAME: E5-7	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 217	Concrete strength:	ULTIMATE (KIPS): 289.1

---

**WEDGES**

WEDGE LENGTH: 1.570"		Material
WEDGE ANGLE: 7 Deg		86L20 Rc 59-62
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4 1/2" DIA x 2.4"	C1050	12/5/75
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.57"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 8 1/4" Square x 1 1/4"	ASTM A-36 42 KSI (Min yield )	
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 27/8"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 12"	16 Gage	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 2 1/4" OD		
#2:		
Spiral :		

---



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**GENERAL**

COMPANY : VSL  
SYSTEM NAME: EC5-7  
PJACK (KIPS): 217

Bar or TENDON SIZE: 7  
Approval  
STRAND DIAMETER: 1/2"  
Concrete strength:  
ULTIMATE (KIPS): 289.1

---

**WEDGES**

WEDGE LENGTH: 1.570"  
WEDGE ANGLE: 7 Deg  
WEDGE INSIDE DIAMETER:

Material  
86L20 Rc 59-62

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 4 1/2" DIA x 2.562"	ASTM- A536 Gr 80-55-06	6/3/88
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE:                      WEDGE HOLE DIA:                      STRAND HOLE DIA: 0.57"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA:                      Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :

---

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**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 12
SYSTEM NAME: E5-12	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 372	Concrete strength:	ULTIMATE (KIPS): 495.6

---

**WEDGES**

WEDGE LENGTH: 1.570"		Material
WEDGE ANGLE: 7 Deg		86L20 Rc 59-62
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6" DIA x 2.4"	C1050 HR	12/5/75
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.57"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 103/4" Square x 11/2"	ASTM A-36 42 KSI (Min yield )	6/12/1981
#2: 123/4" x 87/8" x 2"	ASTM A-36 42 KSI ( Min yield )	6/12/1981
#3:		
#4:		
#5:		
BEARING HOLE DIA: 41/8"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 18"	16 Gage	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 25/8" OD		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : VSL  
SYSTEM NAME: E6-12  
PJACK (KIPS): 528

Approval  
Concrete strength:

Bar or TENDON SIZE: 12  
STRAND DIAMETER: 0.6"  
ULTIMATE (KIPS): 703.2

---

**WEDGES**

WEDGE LENGTH: 1.77"  
WEDGE ANGLE: 7 Deg 10'  
WEDGE INSIDE DIAMETER:

Material  
AISI 11L17 Rc 59-62

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7" DIA x 3.15"	AISI C1050	
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg      WEDGE HOLE DIA: 1.150"      STRAND HOLE DIA: 0.680"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 123/4" Square x 13/4"	ASTM A-36	
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 4.625"      Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 15.50"	16 Gage	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 3" ID	26 Gage	
#2:		

Spiral :

---

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**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 12
SYSTEM NAME: EC5-12	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 372	Concrete strength:	ULTIMATE (KIPS): 495.6

---

**WEDGES**

WEDGE LENGTH: 1.570"		Material
WEDGE ANGLE: 7 Deg		86L20 Rc 59-62
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6" DIA x 2.4"	ASTM A536,Gr 80-55-06	6/22/81
#2: 6" DIA x 2.562"	ASTM A536,Gr 80-55-06	6/3/1988
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.57"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 8.86" Square x 7.086"	ASTM A536,Gr 80-55-06	12/18/1980
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 4.33"	Spiral size and turns: #4-6 turns	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: Integral	ASTM A536,Gr 80-55-06	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 31/8" OD	22 Gage	
#2:		

---

**Spiral :** #4 @ 21/5" x 11" O.D. dia - total 6 turns

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**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 19
SYSTEM NAME: E5-19	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 589	Concrete strength:	ULTIMATE (KIPS): 784.7

---

**WEDGES**

WEDGE LENGTH: 1.570"		Material
WEDGE ANGLE: 7 Deg		86L20 Rc 59-62
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7" DIA x 2.95"	ASTM A-536 Gr 80-55-06	6/22/81
#2: 7" DIA X 2.95"	C 1050 HR	12/5/1975
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.57"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 131/2" SQUARE X 13/4"	ASTM A-36 . 42 KSI (Min yield )	
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 5.315"	Spiral size and turns:	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 22"	16 Gage	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 31/4" OD		
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 19
SYSTEM NAME: EC5-19	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 589	Concrete strength:	ULTIMATE (KIPS): 784.7

---

**WEDGES**

WEDGE LENGTH: 1.570"		Material
WEDGE ANGLE: 7 Deg		AISI 86L20 Rc 59-62
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 7" DIA x 2.95"	ASTM A-536 Gr 80-55-06	6/22/81
#2: 7" DIA x 3.156"	ASTM A-536 Gr 80-55-06	6/3/1988
#3:		
#4:		

  

WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA: .570"
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---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 11" Square x 10.236"	ASTM A536, Gr 80-55-06	4/16/1984
#2:		
#3:		
#4:		
#5:		

  

BEARING HOLE DIA: 5.315"	Spiral size and turns:
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---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: Integral	ASTM A536, Gr 80-55-06	4/16/1984
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

---

Spiral :

**State of California**  
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**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 24
SYSTEM NAME: E5-12D	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 744	Concrete strength:	ULTIMATE (KIPS): 991.2

---

**WEDGES**

WEDGE LENGTH: 1.500"		Material
WEDGE ANGLE: 7 Deg		AISI 86L20 Rc 59-62
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 6" DIA x 2.4"	C1050	
#2: 8" Square x 3.0"	C1045, 1144	12/3/1982
#3:		
#4:		
WEDGE HOLE ANGLE:	WEDGE HOLE DIA:	STRAND HOLE DIA:

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 183/4" x 121/2" x 13/4"	AISI 1040 , 42 KSI (Min yield )	2/2/1972
#2: 151/4" Square x 2.0"	ASTM A-36	3/26/1984
#3:		
#4:		
#5:		
BEARING HOLE DIA: 63/4"	Spiral size and turns: none	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 35"	20 Gage	12/3/1982
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 39/16" OD	26 Gage	12/3/1982
#2:		
Spiral :		

---

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**GENERAL**

COMPANY : VSL  
SYSTEM NAME: EC5-27  
PJACK (KIPS): 837  
Approval  
Concrete strength:  
Bar or TENDON SIZE: 27  
STRAND DIAMETER: 1/2"  
ULTIMATE (KIPS): 1115.1

**WEDGES**

WEDGE LENGTH: 1.570"  
WEDGE ANGLE: 7 Deg  
WEDGE INSIDE DIAMETER:  
Material  
AISI 86L20 Rc 59-62

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9" DIA x 3.95"	AISI C1050 HR	2/26/85
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg      WEDGE HOLE DIA: 1.035"      STRAND HOLE DIA: 0.570"

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 12.375" Square x 13.385"	ASTM A-536,Gr 80-55-06	2/26/1985
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 7.007"      Spiral size and turns:

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: Integral		2/26/1985
#2:		
#3:		
#4:		
#5:		

**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

Spiral :



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**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 31
SYSTEM NAME: CS 5-31 (Revoke)	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 960	Concrete strength:	ULTIMATE (KIPS): 1280

---

**WEDGES**

WEDGE LENGTH: 1.47"		Material AISI 11L17
WEDGE ANGLE: 7 Deg 10'+5'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9.00"DIA x 3 1/4"	ASTM A897-90 Gr 125-80-10 (REVOKE)	3/28/94
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.562"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 12.60" DIA X2.05"(Metal)	ASTM -A536 Gr 80-55-06	3/28/1994
#2: Total with concrete 3.94"	REVOKE for this anchorhead	4/6/1995
#3:		
#4:		
#5:		
BEARING HOLE DIA: 6.89"	Spiral size and turns: #5 -7 turns	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 22.44"	P. E	3/28/1994
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 4 1/8"O.D		3/28/1994
#2:		

---

**Spiral :** #5- 18"O.D. 2" Pitch, 7 turn, Gr 60 for CS5-31

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**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 31
SYSTEM NAME: CS/EC5-31	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 960.2	Concrete strength:	ULTIMATE (KIPS): 1280.3

---

**WEDGES**

WEDGE LENGTH: 1.47"		Material
		AISI 11L17
WEDGE ANGLE: 7 Deg 10'+5'		
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9.00"DIA x 4.00"	ASTM A536 Gr 80-55-06	1/3/96
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.63"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 12.60" DIA X2.05"(Metal)	ASTM -A536 Gr 80-55-06	1/3/1996
#2: Total with concrete 3.94"		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 6.89"	Spiral size and turns: #5- 7 turns	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 22.44"	P. E	3/28/1994
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 4 1/8"O.D		3/28/1994
#2:		

---

**Spiral :** #5- 18"O.D. 2" Pitch, 7 turn, Gr 60 for CS5-31

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**GENERAL**

COMPANY : VSL  
SYSTEM NAME: E5-31  
PJACK (KIPS): 961

Approval  
Concrete strength:

Bar or TENDON SIZE: 31  
STRAND DIAMETER: 1/2"  
ULTIMATE (KIPS): 1280.3

---

**WEDGES**

WEDGE LENGTH: 1.570"  
WEDGE ANGLE: 7 Deg  
WEDGE INSIDE DIAMETER:

Material  
AISI 86L20 Rc 59-62

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9" DIA x 3.95"	C1050 HR	12/5/75
#2: 9" DIA X 4"	C1050 HR,C1045	10/28/1991
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg      WEDGE HOLE DIA: 1.035"      STRAND HOLE DIA: 0.57"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 17 1/2" Square x 2 1/4"	ASTM A-36 42 KSI (Min yield )	1/28/1991
#2:		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 6 3/4"      Spiral size and turns: none

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 22"	16 Gage	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 315/16		
#2:		

Spiral :

---

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**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 31
SYSTEM NAME: EC5-31	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 961	Concrete strength:	ULTIMATE (KIPS): 1280.3

---

**WEDGES**

WEDGE LENGTH: 1.570"		Material
WEDGE ANGLE: 7 Deg		AISI 86L20 Rc 59-62
WEDGE INSIDE DIAMETER:		

---

**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9" DIA x 3.95"	C1050 HR	2/26/85
#2: 9" DIA X 4"	ASTM A536 Gr 80-55-06	10/28/1991
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.625"

---

**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 14" Square X 13.385"	ASTM A 536,Gr 80-55-06	2/26/1985
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 7".00	Spiral size and turns: #4- 8 turns	

---

**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: Integral	ASTM A536,Gr 80-55-06	
#2:		
#3:		
#4:		
#5:		

---

**DUCTS**

Duct Size	Material	Approval Date
#1: 41/4" OD	22 Gage	
#2:		

---

**Spiral :** #4 17"OD, 2" pitch, 8 turn , grad 60 for EC 5-31

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updated: 2/22/16

**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 31
SYSTEM NAME: ECP5-31 (Bearing plate )	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 960	Concrete strength:	ULTIMATE (KIPS): 1280

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**WEDGES**

WEDGE LENGTH: 1.47"		Material AISI 11L17
WEDGE ANGLE: 7 Deg 10'+5'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 9"DIA x 4" (EC5-31 )	ASTM A536 Gr 80-55-06	10/28/91
#2: 9"DIA x 4" (E5-31 )	C1050 -C 1045 H.R	10/28/1991
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.625"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 17.5" x17.5" x2.5"	ASTM A536 Gr 80-55-06	7/3/1991
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 7"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:	16 Gage Carbon Steel	7/3/1991
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

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**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 31
SYSTEM NAME: L 5-31/42 Loop Anchorage	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 961	Concrete strength:	ULTIMATE (KIPS): 1280.3

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**WEDGES**

WEDGE LENGTH: 1.47"		Material AISI -11L17
WEDGE ANGLE: 7 Deg +10'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: EC5-31 (9" DIA X 4" )	ASTM A536 Gr 80-55-06	1/28/91
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg +5'-15	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.625"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: E5-31 (17 1/2" DIA X 2 1/4" )	ASTM A-36	1/28/1991
#2:		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 63/4"	Spiral size and turns: none	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		
Spiral :		

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**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

COMPANY : VSL		Bar or TENDON SIZE: 43
SYSTEM NAME: CS5-43	Approval	STRAND DIAMETER: 1/2"
PJACK (KIPS): 1331.9	Concrete strength:	ULTIMATE (KIPS): 1775.9

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**WEDGES**

WEDGE LENGTH: 1.47"		Material
		AISI 86 L20 RC 59-62
WEDGE ANGLE: 7 Deg 10'+5'		
WEDGE INSIDE DIAMETER:		

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 11.00"DIAX4.00" Austempered	ASTM A897 Gr 155-120-08, SUS.	JUN 9, 97 6/17/96
#2:		
#3:		
#4:		
WEDGE HOLE ANGLE: 7 Deg	WEDGE HOLE DIA: 1.035"	STRAND HOLE DIA: 0.562"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 15.35"DIAX4.72" High strenght	ASTM A536 Gr 80-55-06	6/17/1996
#2: Mortar Cast to the Back		
#3:		
#4:		
#5:		
BEARING HOLE DIA: 9.11"	Spiral size and turns: #5- 8 turns	

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 34 3/4"	P.E	6/17/1996
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 5 1/2"		6/17/1996
#2:		

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Spiral : #5 OD 18", 2" Pitch , 8 Turns

State of California  
Prestress / Post-Tensioning Strand Systems  
Authorized Hardware Listing

updated: 2/22/16

**GENERAL**

COMPANY : VSL Bar or TENDON SIZE: 43  
SYSTEM NAME: ES5-43 Approval STRAND DIAMETER: 1/2"  
PJACK (KIPS): 1332 Concrete strength: ULTIMATE (KIPS): 1775.9

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**WEDGES**

WEDGE LENGTH: 1.47"(2 Part) Material  
WEDGE ANGLE: 7Deg10' AISI 11 L 17  
WEDGE INSIDE DIAMETER:

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 11.1" DIA X 5.250"	C1050 Forged	11/4/96
#2:		
#3:		
#4:		

WEDGE HOLE ANGLE: 7 Deg WEDGE HOLE DIA: 1.035" STRAND HOLE DIA: 0.562"

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: 15.35"DIA X 4.72" High strength	ASTM A536 Gr 80-55-06	6/17/1996
#2: Mortar Cast to the Back		
#3:		
#4:		
#5:		

BEARING HOLE DIA: 9.11" Spiral size and turns: #5 - 8 turns

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1: 343/4"	P.E	6/17/1996
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1: 5 1/2"		6/17/1996
#2:		

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Spiral : #5 OD 18", 2" Pitch , 8 Turns



**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

**COMPANY :** Williams Form **Bar or TENDON SIZE:** 4  
**SYSTEM NAME:** WMS C4.6 Anchor Head **Approval** 04/01/2014 **STRAND DIAMETER:** 0.6  
**PJACK (KIPS):** 176 **Concrete strength:** N/A **ULTIMATE (KIPS):** 234

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**WEDGES**

**WEDGE LENGTH:** 1.77 (3-part) **Material**  
12L14 or 11L17  
**WEDGE ANGLE:**  
**WEDGE INSIDE DIAMETER:**

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5"Ø x 2.25"	80-55-06	
#2:	GROUND ANCHOR CONSTRUCTION ONLY	
#3:		
#4:		

**WEDGE HOLE ANGLE:** **WEDGE HOLE DIA:** **STRAND HOLE DIA:**

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: Requires Job Specific Approval		
#2:		
#3:		
#4:		
#5:		

**BEARING HOLE DIA:** **Spiral size and turns:**

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

**Spiral :**

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**State of California**  
**Prestress / Post-Tensioning Strand Systems**  
**Authorized Hardware Listing**

updated: 2/22/16

**GENERAL**

**COMPANY :** Williams Form **Bar or TENDON SIZE:** 7  
**SYSTEM NAME:** WMS C7.6 Anchor Head **Approval** 04/01/2014 **STRAND DIAMETER:** 0.6  
**PJACK (KIPS):** 307 **Concrete strength:** N/A **ULTIMATE (KIPS):** 410

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**WEDGES**

**WEDGE LENGTH:** 1.77 (3-part) **Material**  
12L14 or 11L17  
**WEDGE ANGLE:**  
**WEDGE INSIDE DIAMETER:**

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**ANCHOR HEADS**

Anchor Size	Material	Approval Date
#1: 5"Ø x 2.25"	80-55-06	
#2:	GROUND ANCHOR CONSTRUCTION ONLY	
#3:		
#4:		

**WEDGE HOLE ANGLE:** **WEDGE HOLE DIA:** **STRAND HOLE DIA:**

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**BEARING PLATES**

Bearing Plate Size	Material	Approval Date
#1: Requires Job Specific Approval		
#2:		
#3:		
#4:		
#5:		

**BEARING HOLE DIA:** **Spiral size and turns:**

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**TRUMPETS**

Trumpet Size	Material	Approval Date
#1:		
#2:		
#3:		
#4:		
#5:		

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**DUCTS**

Duct Size	Material	Approval Date
#1:		
#2:		

**Spiral :**

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