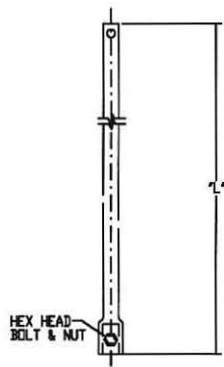


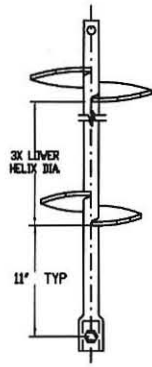
MacLean DixieHFS™ 1 1/2" D6 ANCHORS & EXTENSION HUBS

TORQUE STRENGTH RATING OF 6,000 FT-LB
 ULTIMATE CAPACITY - 60 KIPS WITH A
 TORQUE FACTOR (K_t)=10
 SINGLE 12' HELIX ULTIMATE STRENGTH - 30 KIPS, 3/8" & 50 KIPS, 1/2"
 ULTIMATE TENSION STRENGTH - 60 KIPS WITH COUPLING BOLT

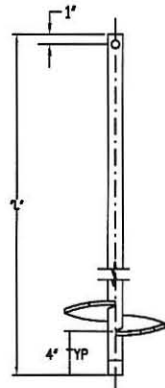
FOR CATALOG NUMERING SYSTEM SEE DRAWING NO. P3500



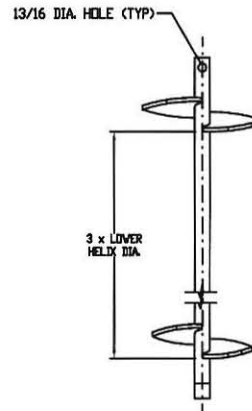
HELIX
EXTENSION
EX. D6E84



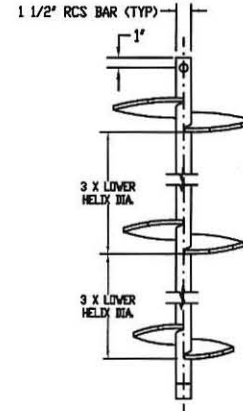
TWO HELIX
EXTENSION
EX. D6E84S1214S11



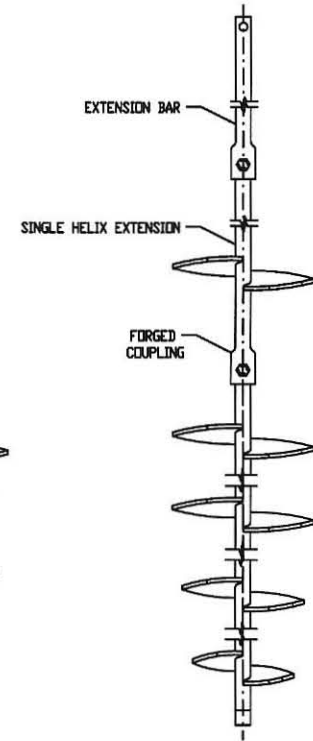
SINGLE HELIX
ANCHOR
EX. D684S12



TWO HELIX
ANCHOR
EX. D684S1214



THREE HELIX
ANCHOR
EX. D684S101214

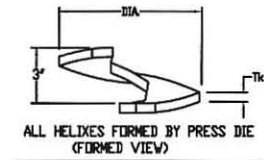


TYPICAL PILE/ANCHOR
ASSEMBLY
EX. D6120S08101214 LEAD
AND EXTENSIONS

NOTES:


1. FINISH - HOT DIP GALV. PER ASTM A153 OR BLACK BY ADDING SUFFIX 'U' AFTER CAT. NO.
2. SHAFT MATERIAL - ROUND CORNERED SQUARE (RCS) STEEL BARS PER ASTM A29 AND ASTM A576 GRADE 10V45, WITH MILL CERT. AT 75 KSI MIN. YIELD STRENGTH.
3. HELIX MATERIAL - HOT ROLLED LOW CARBON STEEL SHEET, STRIP, OR PLATE PER ASTM A1011/1018 HSLA55, MIN. YIELD STRENGTH = 55 KSI FOR 3/8" OR 1/2" THICK MATERIAL.
4. COUPLING BOLTS: 3/4" DIAMETER X 3" LONG HEX HEAD PER ASTM A325 AND 3/4" HEX JAM NUTS PER ASTM A563.
5. NOMINAL SPACING BETWEEN HELICAL PLATES IS 3X THE LOWER DIA.
6. ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.

7. SEE TEST REPORT FOR ALLOWABLE AXIAL AND LATERAL LOAD PER ICC-ES ACCEPTANCE CRITERIA, AC358 BY CTL/THOMSON, AN ACCREDITED IAS 17025 TESTING LABORATORY.
8. ALL MATERIAL IS MANUFACTURED AS PER ICC-ES, AC10 ACCEPTANCE CRITERIA FOR QUALITY CONTROL DOCUMENTS



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Maclean Dixie HFS

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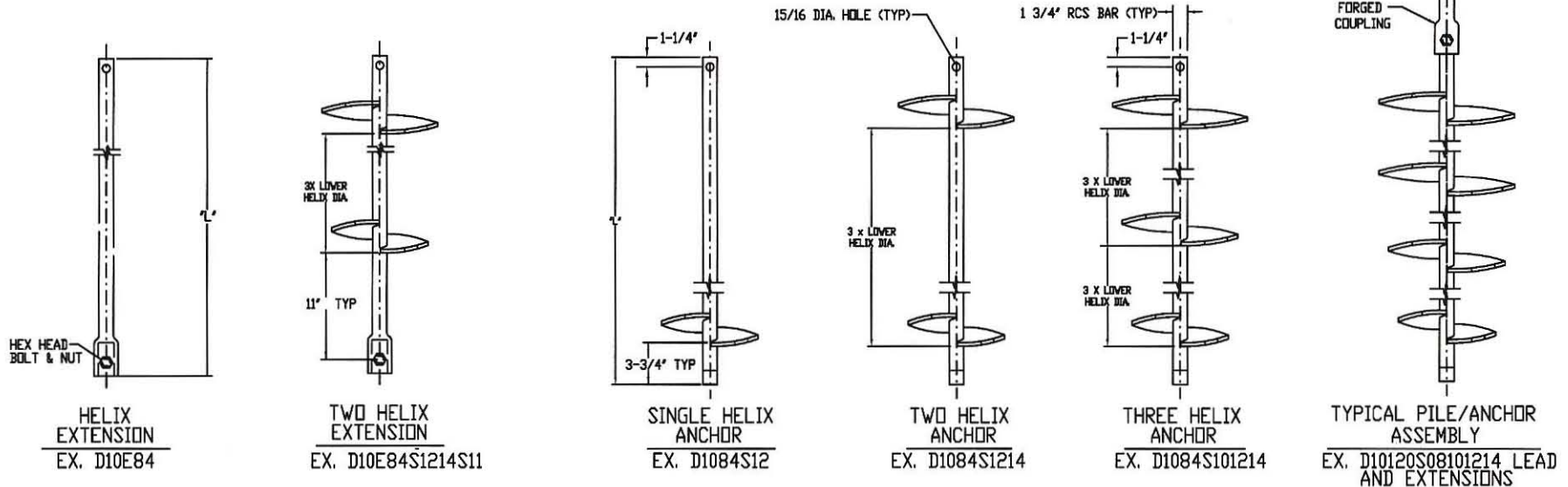
DIXIE HFS™ 1 1/2" D6 ANCHORS & EXTENSION HUBS

DATE: 12/22/08	SCALE: FULL	NO. P3502	R/2	SH. 1
DWN. BY: MW	CKD. BY:	APR. BY:		OF 1

MacLean DixieHFS™ 1 3/4" D10 ANCHORS & EXTENSION HUBS

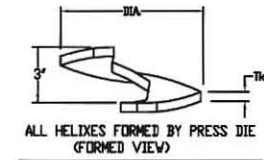
TORQUE STRENGTH RATING OF 10,000 FT-LB
 ULTIMATE CAPACITY - 100 KIPS WITH A
 TORQUE FACTOR (K_t)=10
 SINGLE 12' HELIX ULTIMATE STRENGTH - 40 KIPS, 3/8" & 60 KIPS, 1/2"
 ULTIMATE TENSION STRENGTH - 100 KIPS WITH COUPLING BOLT

FOR CATALOG NUMERING SYSTEM SEE DRAWING NO. P3500



NOTES:

- FINISH - HOT DIP GALV. PER ASTM A153 OR BLACK BY ADDING SUFFIX "U" AFTER CAT. NO.
- SHAFT MATERIAL - ROUND CORNERED SQUARE (RCS) STEEL BARS PER ASTM A29 AND ASTM A576 GRADE 1530M WITH MILL CERT. AT 90 KSI MIN. YIELD STRENGTH.
- HELIX MATERIAL - HOT ROLLED LOW CARBON STEEL SHEET, STRIP, OR PLATE PER ASTM A1011/1018 HSLA55, MIN. YIELD STRENGTH = 55 KSI FOR 3/8" OR 1/2" THICK MATERIAL.
- COUPLING BOLTS: 7/8" DIAMETER X 3-1/2" LONG HEX HEAD PER ASTM A325 AND 7/8" HEX JAM NUTS PER ASTM A563.
- NOMINAL SPACING BETWEEN HELICAL PLATES IS 3X THE LOWER DIA.
- ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
- SEE TEST REPORT FOR ALLOWABLE AXIAL AND LATERAL LOAD PER ICC-ES ACCEPTANCE CRITERIA, AC358 BY CTL/THOMSON, AN ACCREDITED IAS 17025 TESTING LABORATORY.
- ALL MATERIAL IS MANUFACTURED AS PER ICC-ES, AC10 ACCEPTANCE CRITERIA FOR QUALITY CONTROL DOCUMENTS



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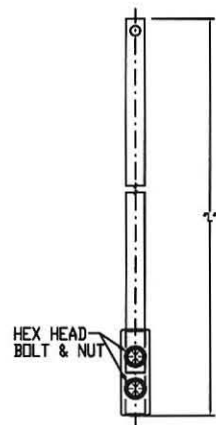
DIXIE HFS™ 1 3/4" D10 ANCHORS & EXTENSION HUBS

DATE: 01/09/09	SCALE: FULL	NO. P3504	R/0
DWN. BY: MW	CKD. BY:	APR. BY:	SH. 1 OF 1

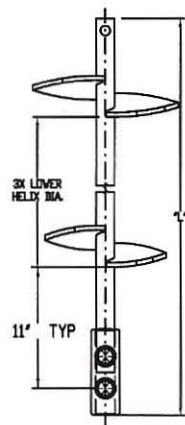
MacLean DixieHFS™ 2" D15 ANCHORS & EXTENSION HUBS

TORQUE STRENGTH RATING OF 15,000 FT-LB
 ULTIMATE CAPACITY - 150 KIPS WITH A
 TORQUE FACTOR (K_t)=10
 SINGLE 12" HELIX ULTIMATE STRENGTH - 60 KIPS; 1/2" THICK
 ULTIMATE TENSION STRENGTH - 150 KIP WITH COUPLING BOLT

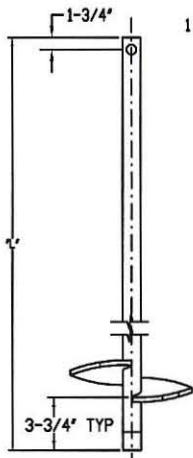
FOR CATALOG NUMERING SYSTEM SEE DRAWING NO. P3500



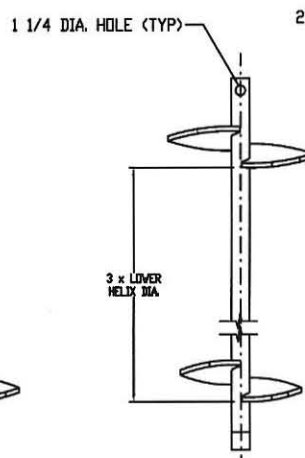
HELIX
EXTENSION
EX. D15E84



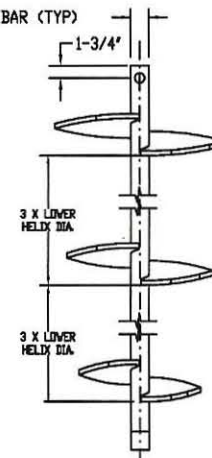
TWO HELIX
EXTENSION
EX. D15E84S1214S11



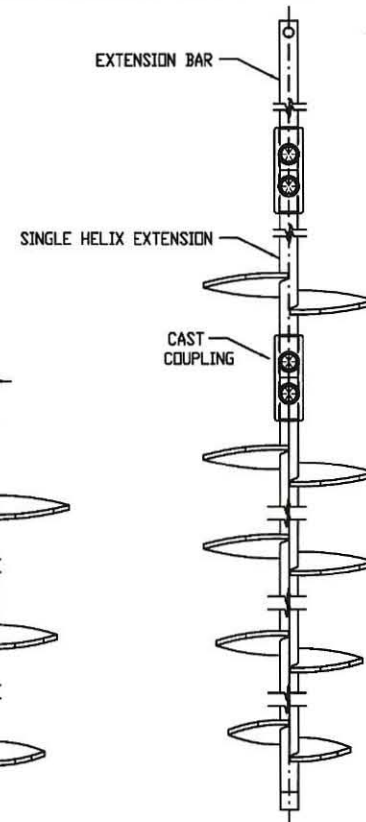
SINGLE HELIX
ANCHOR
EX. D1584S12



TWO HELIX
ANCHOR
EX. D1584S1214



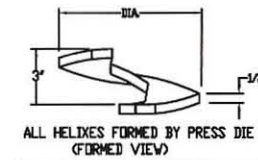
THREE HELIX
ANCHOR
EX. D1584S101214



TYPICAL PILE/ANCHOR
ASSEMBLY
EX. D15120S08101214 LEAD
AND EXTENSIONS

NOTES:

- FINISH - HOT DIP GALV. PER ASTM A153 OR BLACK BY ADDING SUFFIX "U" AFTER CAT. NO.
- SHAFT MATERIAL - ROUND CORNERED SQUARE (RCS) STEEL BARS PER ASTM A29 AND ASTM A576 GRADE 1530M WITH MILL CERT. AT 90 KSI MIN. YIELD STRENGTH.
- HELIX MATERIAL - HOT ROLLED LOW CARBON STEEL SHEET, STRIP, OR PLATE PER ASTM A1011/1018 HSLA55, MIN. YIELD STRENGTH = 55 KSI FOR 1/2" THICK MATERIAL.
- COUPLING BOLTS: 1-1/8" DIAMETER X 4-1/4" LONG HEX HEAD PER SAE J429 AND 1-1/8" HEX JAM NUTS PER ASTM A563.
- NOMINAL SPACING BETWEEN HELICAL PLATES IS 3X THE LOWER DIA.
- ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D11.
- ALL MATERIAL IS MANUFACTURED AS PER ICC-ES, AC10 ACCEPTANCE CRITERIA FOR QUALITY CONTROL DOCUMENTS



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DIXIE HFS™ 2" D15 ANCHORS & EXTENSION HUBS

DATE: 01/09/09	SCALE: FULL	NO. P3505	R/0	SH. 1
DWN. BY: MW	CKD. BY:	APR. BY:		OF 1