APPLICATION FOR HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM)

OFFICE USE ONLY

APPLICATION #: OPM-0516

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: ☐ New ☒ Renewal/Update

Manufacturer Information

Manufacturer: PDi Communication Systems, Inc.

Manufacturer's Technical Representative: Michael Maraan

Mailing Address: 40 Greenwood Ln, Springboro, OH 45066

Telephone: (937) 550-2845 Email: mmaraan@pdiarm.com

REVIEWED FOR CODE COMPLIANCE HCAi OPM-0516 BY: Roy Lobo DATE: 07/31/2026 CALIFORNIA BUILDING CODE 2022

Product Information

Product Name: TV/MONITOR ARM

Product Type: TV/Monitor extending and swing arm - wall and floor mounted

Product Model Number: MEDTV16#, MEDTAB16#, MEDTAB22#, PDI-A24C#, PDI-A32C#, PDI-A43C#, PDI-A55C#, PDI-A65C#, PDI-AA5XX#, PDI-AB10XX#, PDI-AA14XX#, PD153-012#, PD153-004#, PDI-AD14XX#, PDI-871#, PDI-179AV#, PDI-179-EXT#, PDI-771B#, PDI-UM7585#, PDI-254I#, PDI-254I-24#, PDI-255E#, PDI-255E-24#, PD-133-960, PD-133-985, PDI-218#, PDI-219C#

General Description: Wall mounted and floor mounted TV/monitor articulating swing arm and extending arm.

Applicant Information

Applicant Company Name: PDi Communication Systems, Inc.

Contact Person: Michael Maraan

Mailing Address: 40 Greenwood Ln, Springboro, OH 45066

Telephone: (937) 550-2845 Email: mmaraan@pdiarm.com

Title: Sr. Mechanical Design Engineer

Registered Design Professonal Preparing Engineering Recommendations

Company Name: DEGENKOLB ENGINEERS

Name: Chad Closs California License Number: S5946

Mailing Address: 225 Broadway, Suite 1325, San Diego, CA 92101

Telephone: (858) 699-5412 Email: ccloss@degenkolb.com

Certification Method

Testing in accordance with: ☐ ICC-ES AC156 ☐ FM 1950 ☐ ASHRAE 171 ☐ FEMA 461

☐ Other(s) (Please Specify):

*Use of criteria other than those adopted by the California Building Standards Code, 2025 and 2022 (CBSC 2025 and 2022) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2025 and 2022 may be used when approved by HCAI prior

☒ Analysis

☐ Experience Data

☐ Combination of Testing, Analysis, and/or Experience Data (Please Specify):

REVIEWED FOR CODE COMPLIANCE
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE, 2025

HCAI Approval

Date: 7/31/2026

Name: Roy Lobo Title: Principal Structural Engineer

Condition of Approval (if applicable):

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS
PDI-AA5XX# PD153-012#
PDI-AB10XX# PDI153-004#
PDI-AA-14XX# PDI-AD14XX#

PDI MONITOR MODELS
MEDTV16 PDI-A24C PDI-A55C
MEDTAB16 PDI-A32C PDI-A65C
MEDTAB22 PDI-A43C

WALL MOUNT BRACKET MODELS
PDI-871# PDI-771B#
PDI-179AV# PDI-UM7585#
PDI-179-EXT#

FLOOR MOUNT BASE PLATE MODELS
PDI-886 BASE
PDI-886 BASE-W

GENERAL NOTES:

1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2025. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2025.
2. PRE-APPROVED DESIGN AND MATERIALS CONFORM WITH THE 2025 EDITION OF THE CALIFORNIA BUILDING CODE AND ITS REFERENCED STANDARDS. DETAILS WITHIN THIS APPROVAL MAY BE USED ANYWHERE IN THE STATE OF CALIFORNIA WHERE S_{DS} VALUE IS EQUAL OR SMALLER THAN THE S_{DS} VALUES LISTED FOR EACH CASE.
3. SEISMIC FORCES ON EQUIPMENT DETERMINED PER THE 2025 CBC & ASCE 7-22 SECTION 13.3. ALL LOADS IN THIS PRE-APPROVAL ARE AT STRENGTH LEVEL AND SHALL BE USED FOR STRENGTH DESIGN.
   a. C_{pm} COEFFICIENT = F_p/W_p

WALL MOUNTED			FLOOR MOUNTED			
CASE 1a/b/c (PG. 2, 4 & 6)	**CASE 2a** (PG. 3)	**CASE 2b** (PG. 5)	**CASE 3** (PG. 16) @ NWC S.O.G.	**CASE 4** (PG. 16) @ ELEV. SLAB	**CASE 5** (PG. 17) @ NWC S.O.G.	**CASE 6** (PG. 17) @ ELEV. SLAB
$S_{DS(MAX)}$ = 2.5	$S_{DS(MAX)}$ = 2.5	$S_{DS(MAX)}$ = 2.3	$S_{DS(MAX)}$ = 2.5	$S_{DS(MAX)}$ = 2.5	$S_{DS(MAX)}$ = 2.5	$S_{DS(MAX)}$ = 2.5
SAME COMPONENT FOR ALL CASES = APPENDAGE & ORNAMENTATION						
[ABOVE GRADE]	[ABOVE GRADE]	[ABOVE GRADE]	[S.O.G ONLY]	[ABOVE GRADE]	[S.O.G. ONLY]	[ABOVE GRADE]
C_{AR} = 2.2	C_{AR} = 2.2	C_{AR} = 2.2	C_{AR} = 1.8	C_{AR} = 2.2	C_{AR} = 1.8	C_{AR} = 2.2
R_{po} = 1.5	R_{po} = 1.5	R_{po} = 1.5	R_{po} = 1.5	R_{po} = 1.5	R_{po} = 1.5	R_{po} = 1.5
Ω_{op} = 1.0 [N/A]	Ω_{op} = 1.0 [N/A]	Ω_{op} = 1.0 [N/A]	Ω_{op} = 1.75	Ω_{op} = 1.0 [N/A]	Ω_{op} = 1.75	Ω_{op} = 1.75
I_p = 1.5	I_p = 1.5	I_p = 1.5	I_p = 1.5	I_p = 1.5	I_p = 1.5	I_p = 1.5
I_e = 1.5	I_e = 1.5	I_e = 1.5	I_e = 1.5	I_e = 1.5	I_e = 1.5	I_e = 1.5
z/h = 1.0 [MAX]	z/h = 1.0 [MAX]	z/h = 1.0 [MAX]	z/h = 0.0 [MIN → S.O.G ONLY]	z/h = 1.0 [MAX]	z/h = 0.0 [MIN → S.O.G ONLY]	z/h = 1.0 [MAX]
			$E_m = F_{p,h}$ = 1.39W_p		$E_m = F_{p,h}$ = 1.385W_p	$F_{p,h}$ = 5.92W_p
$F_{p,h}$ = 5.92W_p	$F_{p,h}$ = 5.92W_p	$F_{p,h}$ = 5.06W_p	$E_{mh}=\Omega_o F_{p,h}$=2.42W_p	$E_m=F_{p,h}$=5.92W_p	$E_{mh}=\Omega_o F_{p,h}$=2.42W_p	$\Omega_o F_{p,h}$=10.37W_p
$F_{p,v}$ = 0.50W_p	$F_{p,v}$ = 0.50W_p	$F_{p,v}$ = 0.46W_p	$E_v = F_{p,v}$ = 0.50W_p	$E_v=F_{p,v}$=0.50W_p	$E_v = F_{p,v}$ = 0.500W_p	$F_{p,v}$ = 0.500W_p

4. THE STRUCTURAL ENGINEER-OF-RECORD (S.E.O.R.) IS RESPONSIBLE FOR THE FOLLOWING:
   a. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB OPENINGS OR EDGES.
   b. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY NEW OR EXISTING ANCHORS.
   c. VERIFY THE ADEQUACY OF ANY NEW OR EXISTING MEMBERS THE SWING ARM IS ANCHORED TO THAT ARE NOT WITHIN THE SCOPE OF THIS OPM. INCLUDE THE FORCES EXERTED ON THESE ELEMENTS BY THE SWING ARM IN ADDITION TO ALL OTHER LOADS AND FORCES PRESENT IN THE STRUCTURE.
   d. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2025 CBC AND WITH THE DETAILS SHOWN IN THIS PRE-APPROVAL. VERIFY THAT THE EQUIPMENT'S ACTUAL WEIGHT, CG LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS AND THE MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE FORMATION SHOWN IN THIS PRE-APPROVAL.
5. THE MANUFACTURER SUPPLIED BASE BRACKETS HAVE BEEN EVALUATED FOR THE WORST CASE LOADING PER THE 2025 CBC. STRUCTURAL ENGINEER-OF-RECORD (S.E.O.R.) SHALL EVALUATE BRACKET ANCHORAGE FOR CONDITIONS THAT VARY FROM THIS PRE-APPROVAL.
6. CONTRACTOR/INSPECTOR OF RECORD MUST VERIFY ANCHOR SPACING TO ADJACENT EQUIPMENT IS TO BE GREATER THAN 12".
7. THIS OPM COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE UNIT TO THE STRUCTURE.
8. EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI KB-TZ2 (ICC ESR-4266), SIMPSON STRONG-BOLT 2 (ICC-ESR-3037) OR DEWALT POWER-STUD+ SD2 (ICC-ESR-2502).
   a. INSTALL ANCHORS IN ACCORDANCE WITH LATEST ICC-ESR REPORT AND MANUFACTURER INSTRUCTIONS.
   b. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN (E) NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE (E) REINFORCING BARS. WHEN INSTALLING THEM INTO (E) PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED) LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH OR 3 ANCHOR DIAMETERS, WHICHEVER IS GREATER, BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
   c. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF ANY REINFORCING IS DAMAGED.
   d. ANCHORS WILL BE PROOF-TESTED BY OWNER'S TESTING AND INSPECTION AGENCY. WITH A REPORT OF THE TEST RESULTS SUBMITTED TO THE OWNER, IOR & SEOR.
   e. IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR IN A NEW HOLE AND TEST ADDITIONAL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE PASS, THEN RESUME INITIAL TESTING FREQUENCY.
   f. TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.
   g. TEST WEDGE ANCHORS PER THE FOLLOWING METHOD:
      i. TORQUE WRENCH METHOD: TEST ANCHORS TO THE TORQUE LOAD INDICATED IN THE TABLE BELOW WITHIN THE FOLLOWING LIMITS:
         1. ONE-HALF TURN OF THE NUT.

WEDGE-TORQUE LOAD (FT-LBS) [FOR NWC OR LWC]			
ANCHOR ⌀	ICC ESR-4266	ICC ESR-3037	ICC ESR-2502
3/8" (CARBON STEEL)	30	30	20

9. FOR POST INSTALLED ANCHORS USED FOR NONSTRUCTURAL APPLICATIONS, 50% OR ALTERNATE BOLTS IN A GROUP, INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP, SHALL BE TESTED
10. WHERE POST-INSTALLED ANCHORS ARE USED FOR SILL PLATE BOLTING APPLICATIONS, 10% OF THE ANCHORS SHALL BE TESTED.
11. MINIMUM EDGE DISTANCE:
    A. 3/8"⌀ EXPANSION ANCHOR INTO 4" MIN THICK CONC SLAB = 2 1/2"
    B. 3/8"⌀ EXPANSION ANCHOR INTO 3 1/4" CONC TOP OVER DECK = 6"
12. MINIMUM SPACING (FROM (N) OR (E) TO ADJACENT ANCHORS):
    A. 3/8"⌀ EXPANSION ANCHOR INTO 4" MIN THICK CONC SLAB = 2 1/4"
    B. 3/8"⌀ EXPANSION ANCHOR INTO 3 1/4" CONC TOP OVER DECK = 4"
13. IF ANY ANCHOR FAILS TESTING, ALL OF ANCHORS OF THE SAME TYPE SHALL BE TESTED, WHICH ARE INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY.
14. IF THE PDI-1772 ELEC BOX IS SELECTED AS PAST OF A CONFIGURATION USE (4) #12 SMS @ (4) BACK CORNERS FOR ANCHORAGE (MAX WEIGHT = 10 LBS)

EQUIPMENT PROPERTIES

MONITOR PROPERTIES

MODEL #	DIMENSIONS	WEIGHT
MEDTV16#	18"×13"×3.0"	7.0 LBS
MEDTAB16#	18"×13"×3.0"	7.0 LBS
MEDTAB22#	20.5"×14.5"×3"	13.0 LBS
PDI-A24C#	22"×13.1"×2.1"	10.0 LBS
PDI-A32C#	28.1"×17.1"×2.4"	19.0 LBS
PDI-A43C#	38.5"×22.4"×2.4"	26.0 LBS
PDI-A55C#	49.3"×28.4"×2.1"	50.0 LBS
PDI-A65C#	57.5"×33.4"×2.9"	58.0 LBS

MONITOR SUPPORT ARMS

MODEL #	LENGTH (H)	WEIGHT
PDI-AA5XX#	56.0"	14.0 LBS
PDI-AB10XX#	71.5"	16.5 LBS
PDI-AA14XX#	68.0"	16.6 LBS
PD153-012#	32.7"	8.0 LBS
PDI153-004#	24.8"	5.5 LBS
PDI-AD14XX#	40.7"	12.0 LBS

WALL MOUNTS

ADC12 ALUMINUM → F_y = 24 KSI MIN.

MODEL #	DIMENSIONS	WEIGHT
PDI-871#	10"×7.2"×2.88"	6 LBS
PDI-179AV#	10"×7.1"×2.81"	6 LBS
PDI-179-EXT#	10.1"×7.2"×3"	4 LBS
PDI-771B#	10.1"×7.2"×2.8"	8 LBS
PDI-UM7585#	SEE PG. 6	20 LBS

BACKER PLATES

MODEL #	WIDTH (H) × DEPTH (V)	THICKNESS (GA)	STEEL MATERIAL
PDI-254I-16#	18.0" × 10.0"	0.1196" (11GA)	A-653 GRADE 33
PDI-254I-24#	26.0" × 10.0"	0.1196" (11GA)	A-653 GRADE 33
PDI-255E-16#	18.0" × 10.35"	0.1196" (11GA)	A-1008 CS GRADE B
PDI-255E-24#	15.0" × 10.35"	0.1196" (11GA)	A-1008 CS GRADE B
PD-133-960	10.0" × 7.12"	0.0478" (18GA)	A-1008 CS GRADE B
PD-133-985	10.0" × 7.12"	0.0478" (18GA)	A-1008 CS GRADE B
PDI-218#	10.0" × 6.50"	0.1196" (11GA)	A-1008 CS GRADE B
PDI-219C#	10.0" × 7.12"	0.1196" (11GA)	A-1008 CS GRADE B

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS

PDI-AA5XX#	PD153-012#
PDI-AB10XX#	PDI153-004#
PDI-AA-14XX#	PDI-AD14XX#

PDI MONITOR MODELS

MEDTV16	PDI-A24C	PDI-A55C
MEDTAB16	PDI-A32C	PDI-A65C
MEDTAB22	PDI-A43C	

WALL MOUNT BRACKET MODELS

PDI-871#	PDI-771B#
PDI-179AV#	PDI-UM7585#
PDI-179-EXT#	

FLOOR MOUNT BASE PLATE MODELS

PDI-886 BASE
PDI-886 BASE-W

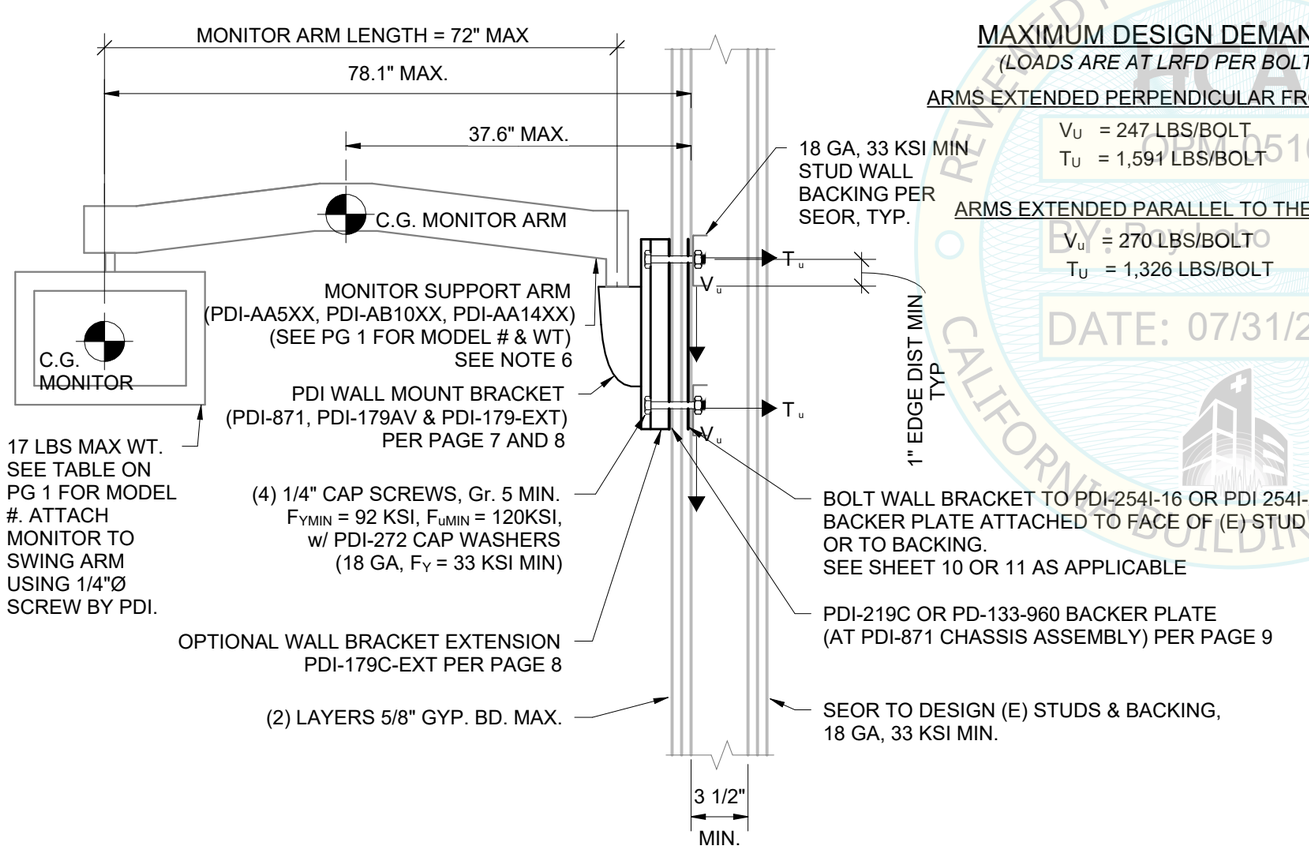
CASE 1a

(z / h ≤ 1.0)
S_{DS} ≤ 2.5
C_{pm} = 5.92

SEISMIC SUPPORTS & ATTACHMENTS

APPLICABLE SINGLE ARM, WALL-MOUNTED MODELS:
- PDI-AA5XX#
- PDI-AB10XX#
- PDI-AA14XX#

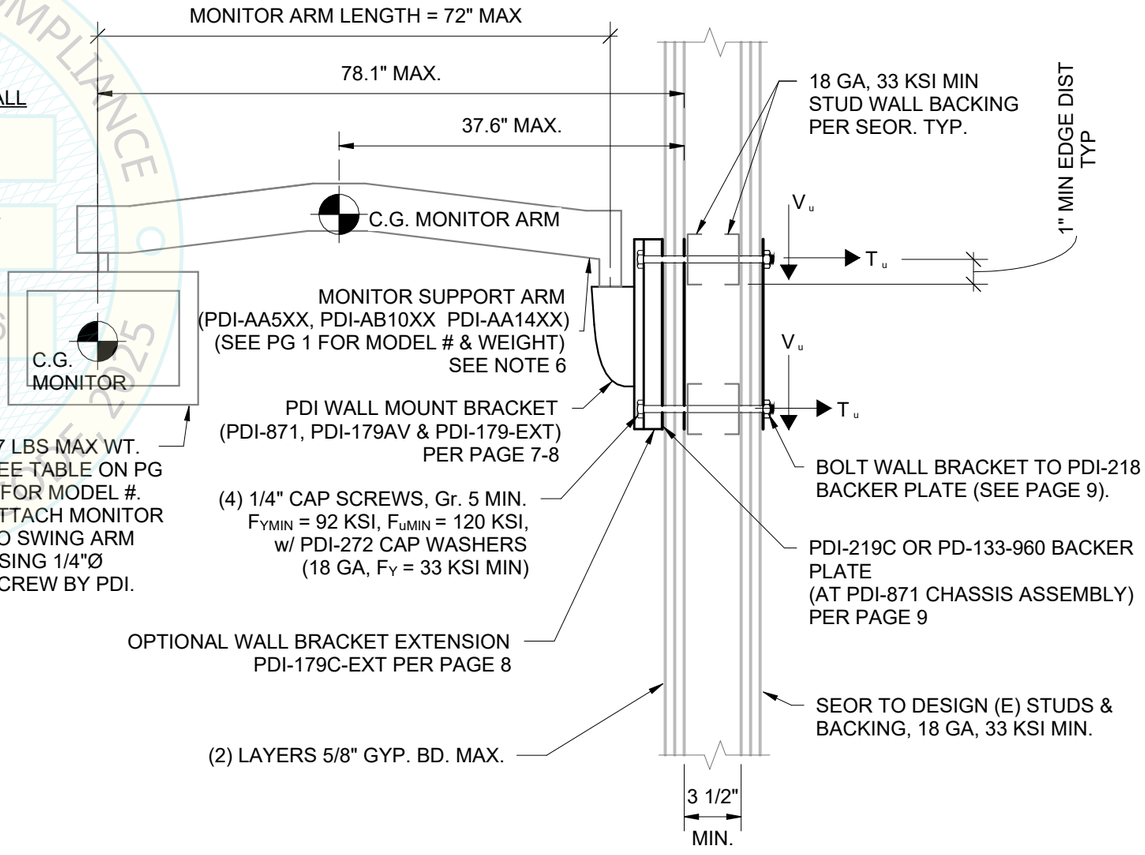
SHEET NOTES:
1. FOR DESIGN FORCES AND FACTORS SEE GENERAL NOTES ON PAGE 1.
2. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN.
3. STRUCTURAL ENGINEER OF RECORD (SEOR) FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS TO BE PRESENT.
4. STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL VERIFY THAT INSTALLATION IS IN CONFORMANCE WITH THE CBC 2025 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL AND SHALL VERIFY THAT THE ACTUAL EQUIPMENT WEIGHT, CENTER OF GRAVITY, LOCATION, ATTACHMENT LOCATIONS, ATTACHMENT DETAILS, AND MATERIAL AND THICKNESS OF THE UNIT WHERE THE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION CONTAINED IN THE PREAPPROVAL DOCUMENTS.
5. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT FASTENERS & INSTALLATION IS IN CONFORMANCE WITH THE CBC 2025 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL.
6. ANY COMBINATION OF ANY MONITORS MUST NOT EXCEED A COMBINED OPERATIONAL WEIGHT OF 17 LBS, PER ARM, FOR PDI-AA5XX, PDI-AB10XX, OR PDI-AA14XX ARMS.



MAXIMUM DESIGN DEMANDS
(LOADS ARE AT LRFD PER BOLT)

ARMS EXTENDED PERPENDICULAR FROM WALL
V_U = 247 LBS/BOLT
T_U = 1,591 LBS/BOLT

ARMS EXTENDED PARALLEL TO THE WALL
V_u = 270 LBS/BOLT
T_U = 1,326 LBS/BOLT



REVIEWED FOR CODE COMPLIANCE
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING STANDARDS

OPTION 1 - STEEL STUD WALL SECTION
MAX . C.G. OF THE (PDI-AA5XX, PDI-AB10XX & PDI-AA14XX) SWING ARM MODELS

OPTION 2 - STEEL STUD WALL SECTION
MAX . C.G. OF THE (PDI-AA5XX, PDI-AB10XX & PDI-AA14XX) SWING ARM MODELS

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS

PDI-AA5XX#	PD153-012#
PDI-AB10XX#	PDI153-004#
PDI-AA-14XX#	PDI-AD14XX#

PDI MONITOR MODELS

MEDTV16	PDI-A24C	PDI-A55C
MEDTAB16	PDI-A32C	PDI-A65C
MEDTAB22	PDI-A43C	

WALL MOUNT BRACKET MODELS

PDI-871#	PDI-771B#
PDI-179AV#	PDI-UM7585#
PDI-179-EXT#	

FLOOR MOUNT BASE PLATE MODELS

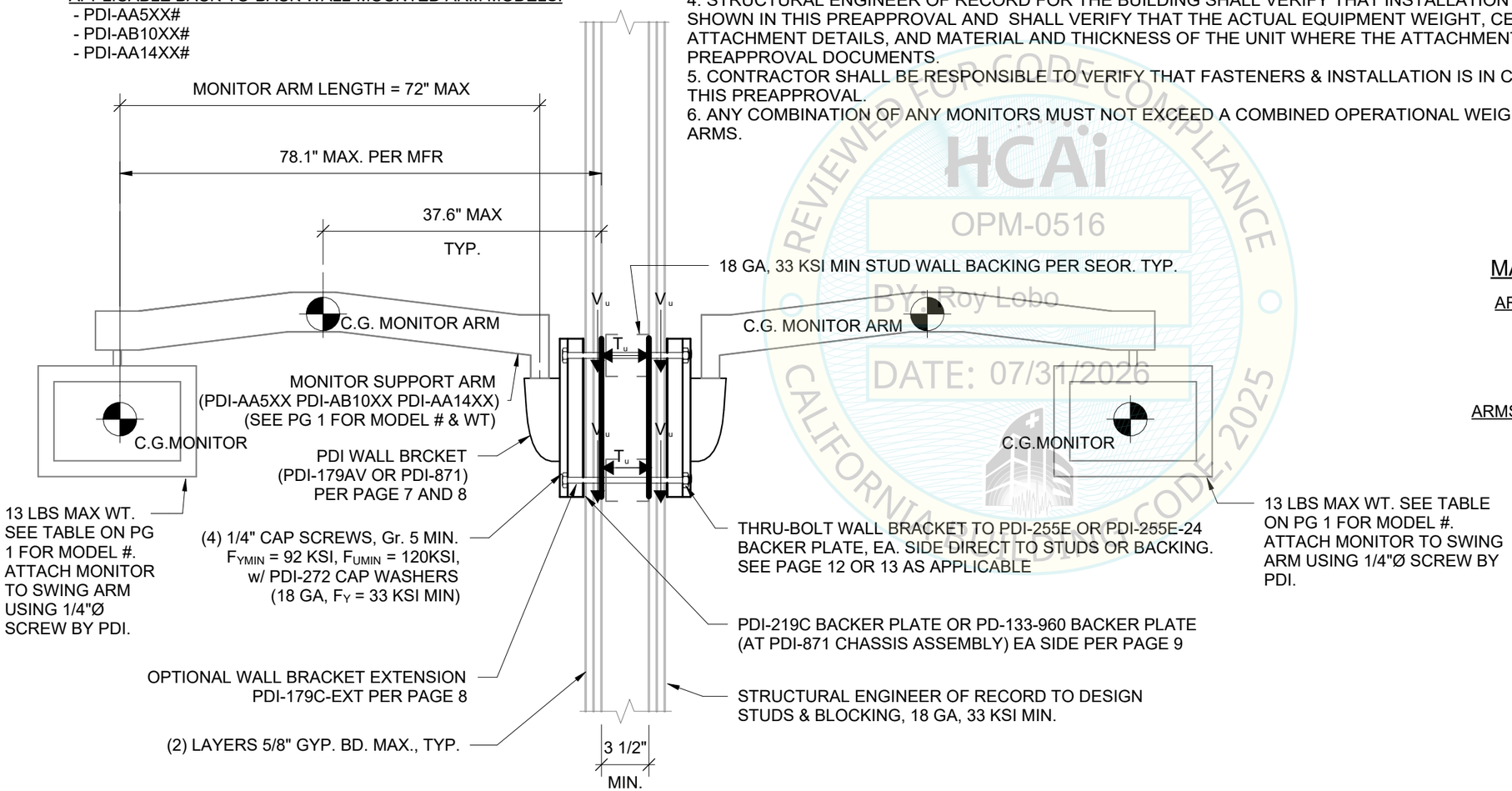
PDI-886 BASE
PDI-886 BASE-W

CASE 2a

($z / h \leq 1.0$)
$S_{DS} \leq 2.5$
$C_{pm} = 5.92$

SEISMIC SUPPORTS & ATTCHEMENTS

APPLICABLE BACK-TO-BACK WALL-MOUNTED ARM MODELS:
- PDI-AA5XX#
- PDI-AB10XX#
- PDI-AA14XX#



STEEL STUD WALL SECTION
MAX . C.G. OF THE (PDI-AA5XX, PDI-AB10XX & PDI-AA14XX) SWING ARM MODELS

SHEET NOTES:
1. FOR DESIGN FORCES AND FACTORS SEE GENERAL NOTES ON PAGE 1.
2. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN.
3. STRUCTURAL ENGINEER OF RECORD (SEOR) FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS TO BE PRESENT.
4. STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL VERIFY THAT INSTALLATION IS IN CONFORMANCE WITH THE CBC 2025 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL AND SHALL VERIFY THAT THE ACTUAL EQUIPMENT WEIGHT, CENTER OF GRAVITY, LOCATION, ATTACHMENT LOCATIONS, ATTACHMENT DETAILS, AND MATERIAL AND THICKNESS OF THE UNIT WHERE THE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION CONTAINED IN THE PREAPPROVAL DOCUMENTS.
5. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT FASTENERS & INSTALLATION IS IN CONFORMANCE WITH THE CBC 2025 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL.
6. ANY COMBINATION OF ANY MONITORS MUST NOT EXCEED A COMBINED OPERATIONAL WEIGHT OF 13 LBS, PER ARM, FOR PDI-AA5XX, PDI-AB10XX, OR PDI-AA14XX ARMS.

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE, 2025

MAXIMUM DESIGN DEMANDS

ARMS EXTENDED AWAY FROM WALL

V_U = 247 LBS/BOLT
T_U = 3,182 LBS/BOLT

ARMS EXTENDED PARALLEL TO THE WALL

V_u = 270 LBS/BOLT
T_U = 2,652 LBS/BOLT

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS
PDI-AA5XX# PD153-012#
PDI-AB10XX# PDI153-004#
PDI-AA-14XX# PDI-AD14XX#

PDI MONITOR MODELS
MEDTV16 PDI-A24C PDI-A55C
MEDTAB16 PDI-A32C PDI-A65C
MEDTAB22 PDI-A43C

WALL MOUNT BRACKET MODELS
PDI-871# PDI-771B#
PDI-179AV# PDI-UM7585#
PDI-179-EXT#

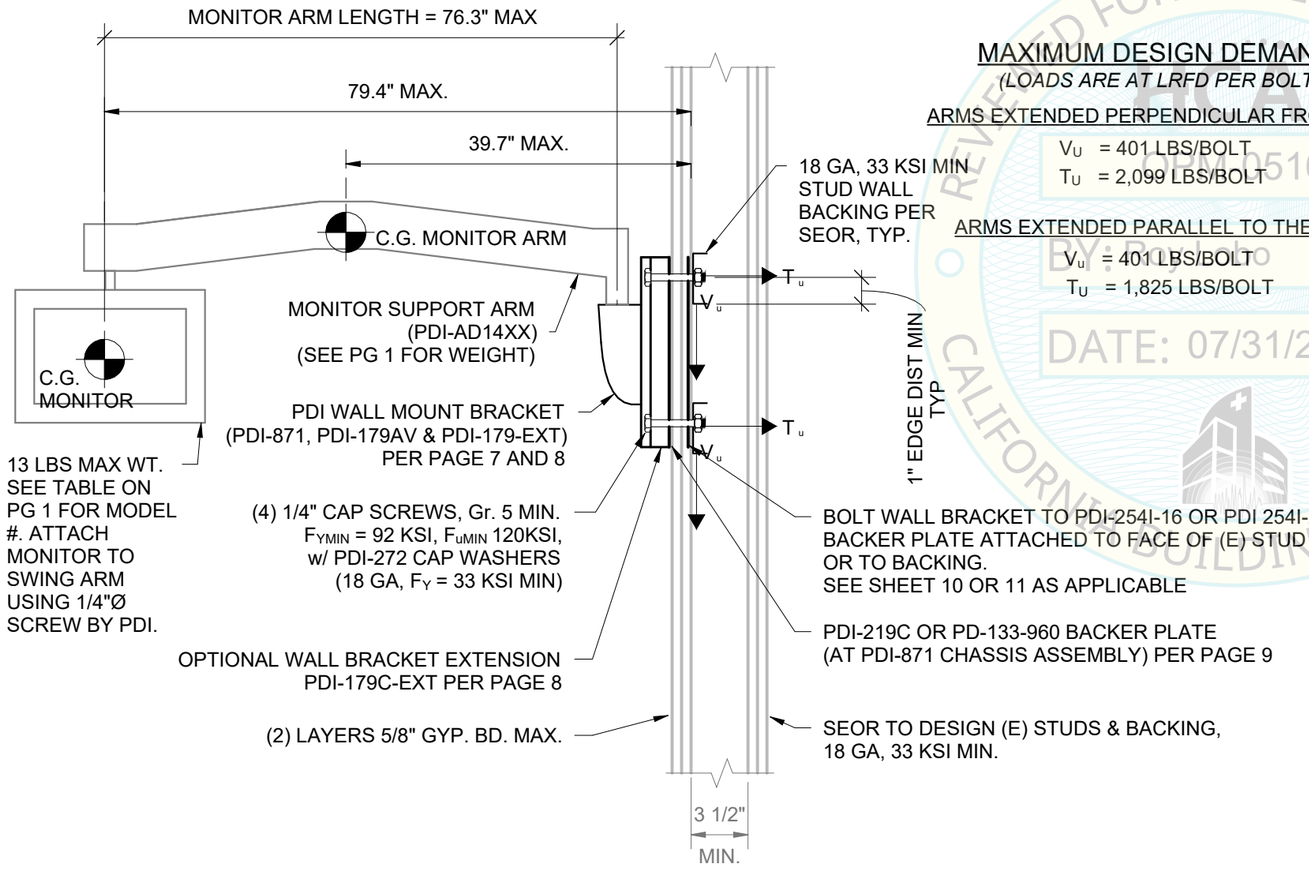
FLOOR MOUNT BASE PLATE MODELS
PDI-886 BASE
PDI-886 BASE-W

CASE 1b
(z / h ≤ 1.0)
S_{DS} ≤ 2.5
C_{pm} = 5.92

SEISMIC SUPPORTS & ATTACHMENTS

APPLICABLE SINGLE ARM, WALL-MOUNTED ARM MODELS:
- PDI-AD14XX#

SHEET NOTES:
1. FOR DESIGN FORCES AND FACTORS SEE GENERAL NOTES ON PAGE 1.
2. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN.
3. STRUCTURAL ENGINEER OF RECORD (SEOR) FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS TO BE PRESENT.
4. STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL VERIFY THAT INSTALLATION IS IN CONFORMANCE WITH THE CBC 2025 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL AND SHALL VERIFY THAT THE ACTUAL EQUIPMENT WEIGHT, CENTER OF GRAVITY, LOCATION, ATTACHMENT LOCATIONS, ATTACHMENT DETAILS, AND MATERIAL AND THICKNESS OF THE UNIT WHERE THE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION CONTAINED IN THE PREAPPROVAL DOCUMENTS.
5. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT FASTENERS & INSTALLATION IS IN CONFORMANCE WITH THE CBC 2025 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL.
6. ANY COMBINATION OF ANY MONITORS MUST NOT EXCEED A COMBINED OPERATIONAL WEIGHT OF 13 LBS, PER ARM, FOR PDI-AD14XX ARM.

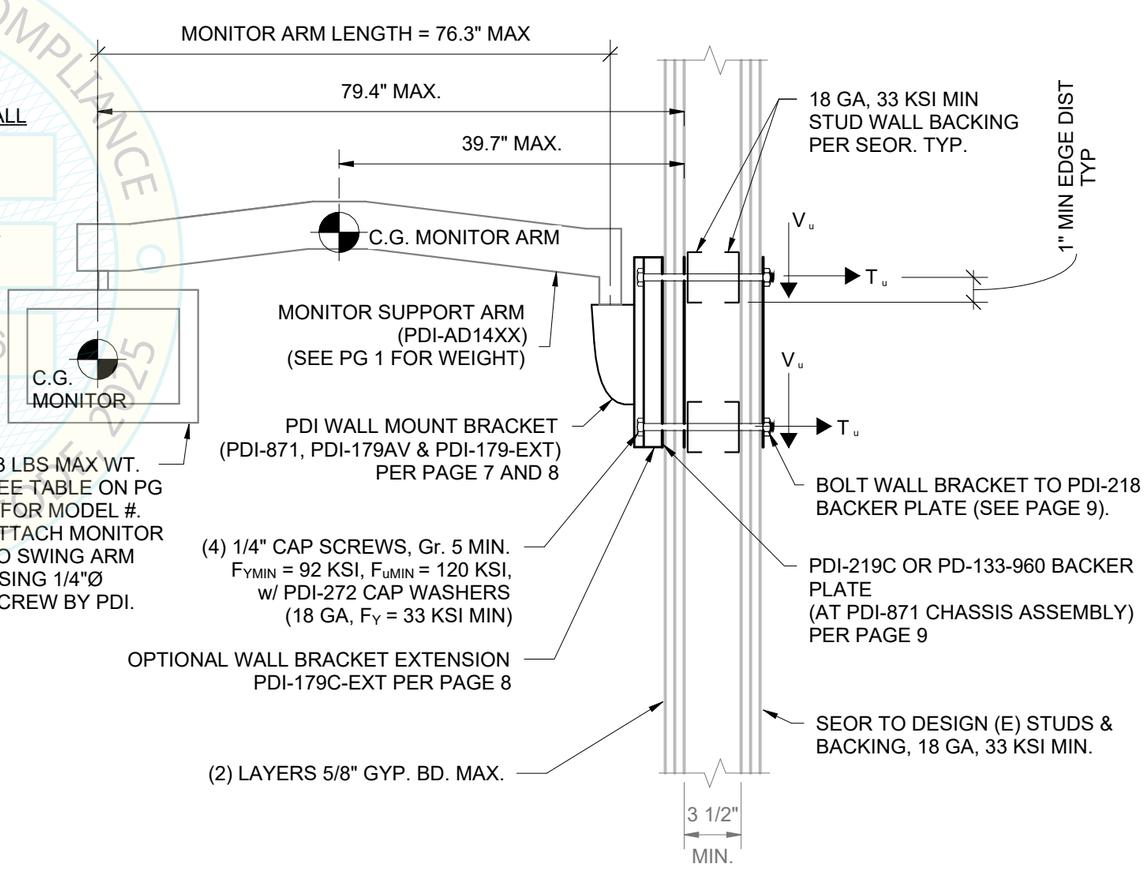


MAXIMUM DESIGN DEMANDS
(LOADS ARE AT LRFD PER BOLT)

ARMS EXTENDED PERPENDICULAR FROM WALL
V_U = 401 LBS/BOLT
T_U = 2,099 LBS/BOLT

ARMS EXTENDED PARALLEL TO THE WALL
V_u = 401 LBS/BOLT
T_U = 1,825 LBS/BOLT

REVIEWED FOR CODE COMPLIANCE
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING STANDARDS 2025



OPTION 1 - STEEL STUD WALL SECTION
MAX . C.G. OF THE (PDI-AD14XX#) SWING ARM MODELS

OPTION 2 - STEEL STUD WALL SECTION
MAX . C.G. OF THE (PDI-AD14XX#) SWING ARM MODELS

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS

PDI-AA5XX#	PD153-012#
PDI-AB10XX#	PDI153-004#
PDI-AA-14XX#	PDI-AD14XX#

PDI MONITOR MODELS

MEDTV16	PDI-A24C	PDI-A55C
MEDTAB16	PDI-A32C	PDI-A65C
MEDTAB22	PDI-A43C	

WALL MOUNT BRACKET MODELS

PDI-871#	PDI-771B#
PDI-179AV#	PDI-UM7585#
PDI-179-EXT#	

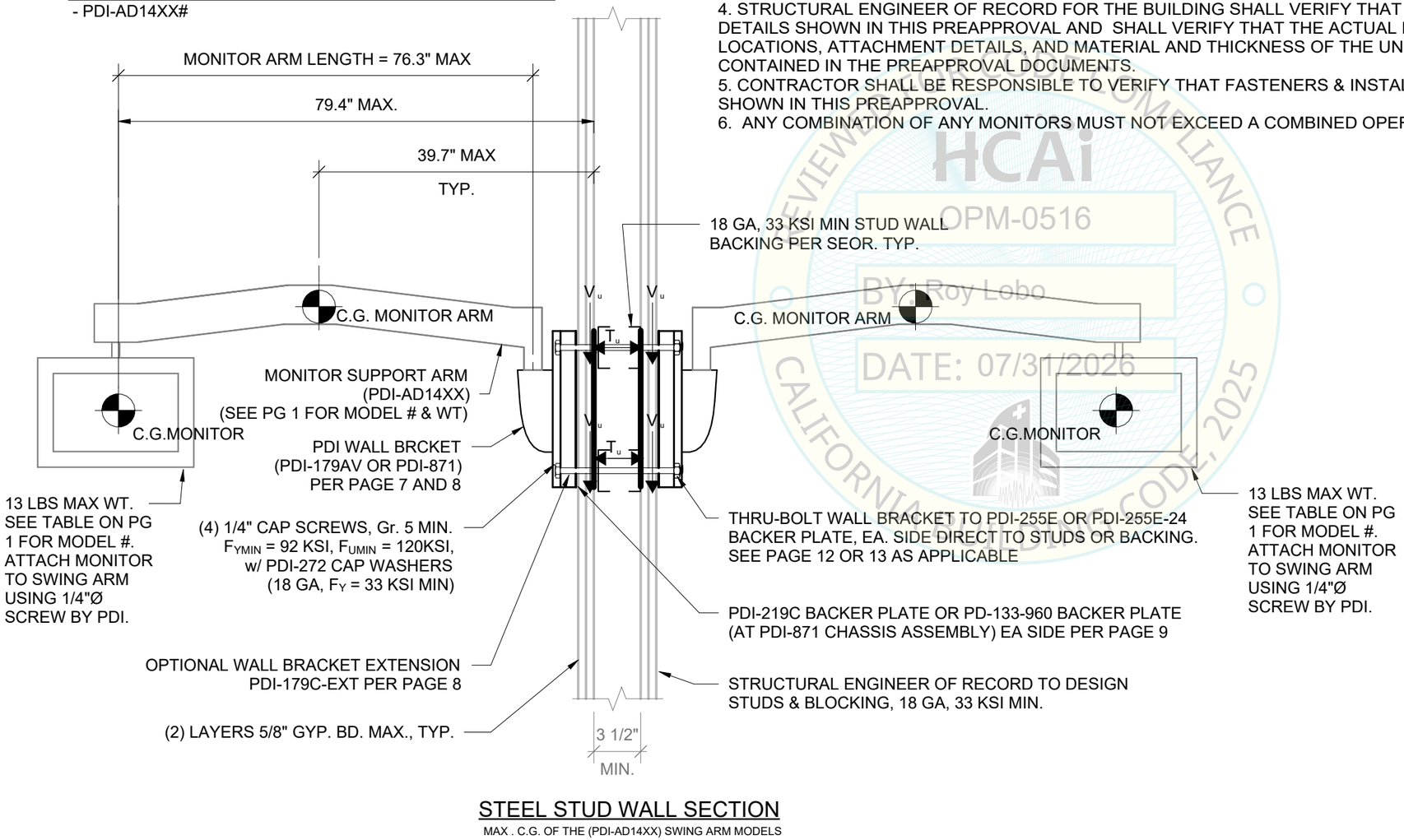
FLOOR MOUNT BASE PLATE MODELS

PDI-886 BASE
PDI-886 BASE-W

CASE 2b
($z / h \le 1.0$)
$S_{DS} \le 2.3$
$C_{pm} = 5.06$

SEISMIC SUPPORTS & ATTCHEMENTS

APPLICABLE BACK-TO-BACK WALL-MOUNTED ARM MODELS:
- PDI-AD14XX#



STEEL STUD WALL SECTION
MAX . C.G. OF THE (PDI-AD14XX) SWING ARM MODELS

SHEET NOTES:
1. FOR DESIGN FORCES AND FACTORS SEE GENERAL NOTES ON PAGE 1.
2. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN.
3. STRUCTURAL ENGINEER OF RECORD (SEOR) FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS TO BE PRESENT.
4. STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL VERIFY THAT INSTALLATION IS IN CONFORMANCE WITH THE CBC 2025 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL AND SHALL VERIFY THAT THE ACTUAL EQUIPMENT WEIGHT, CENTER OF GRAVITY, LOCATION, ATTACHMENT LOCATIONS, ATTACHMENT DETAILS, AND MATERIAL AND THICKNESS OF THE UNIT WHERE THE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION CONTAINED IN THE PREAPPROVAL DOCUMENTS.
5. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT FASTENERS & INSTALLATION IS IN CONFORMANCE WITH THE CBC 2025 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL.
6. ANY COMBINATION OF ANY MONITORS MUST NOT EXCEED A COMBINED OPERATIONAL WEIGHT OF 13 LBS, PER ARM, FOR PDI-AD14XX ARM.

HCAi
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE, 2025

MAXIMUM DESIGN DEMANDS

ARMS EXTENDED AWAY FROM WALL
V_U = 375 LBS/BOLT
T_U = 3,560 LBS/BOLT

ARMS EXTENDED PARALLEL TO THE WALL
V_u = 401 LBS/BOLT
T_U = 3,560 LBS/BOLT

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS

PDI-AA5XX#	PD153-012#
PDI-AB10XX#	PDI153-004#
PDI-AA-14XX#	PDI-AD14XX#

PDI MONITOR MODELS

MEDTV16	PDI-A24C	PDI-A55C
MEDTAB16	PDI-A32C	PDI-A65C
MEDTAB22	PDI-A43C	

WALL MOUNT BRACKET MODELS

PDI-871#	PDI-771B#
PDI-179AV#	PDI-UM7585#
PDI-179-EXT#	

FLOOR MOUNT BASE PLATE MODELS

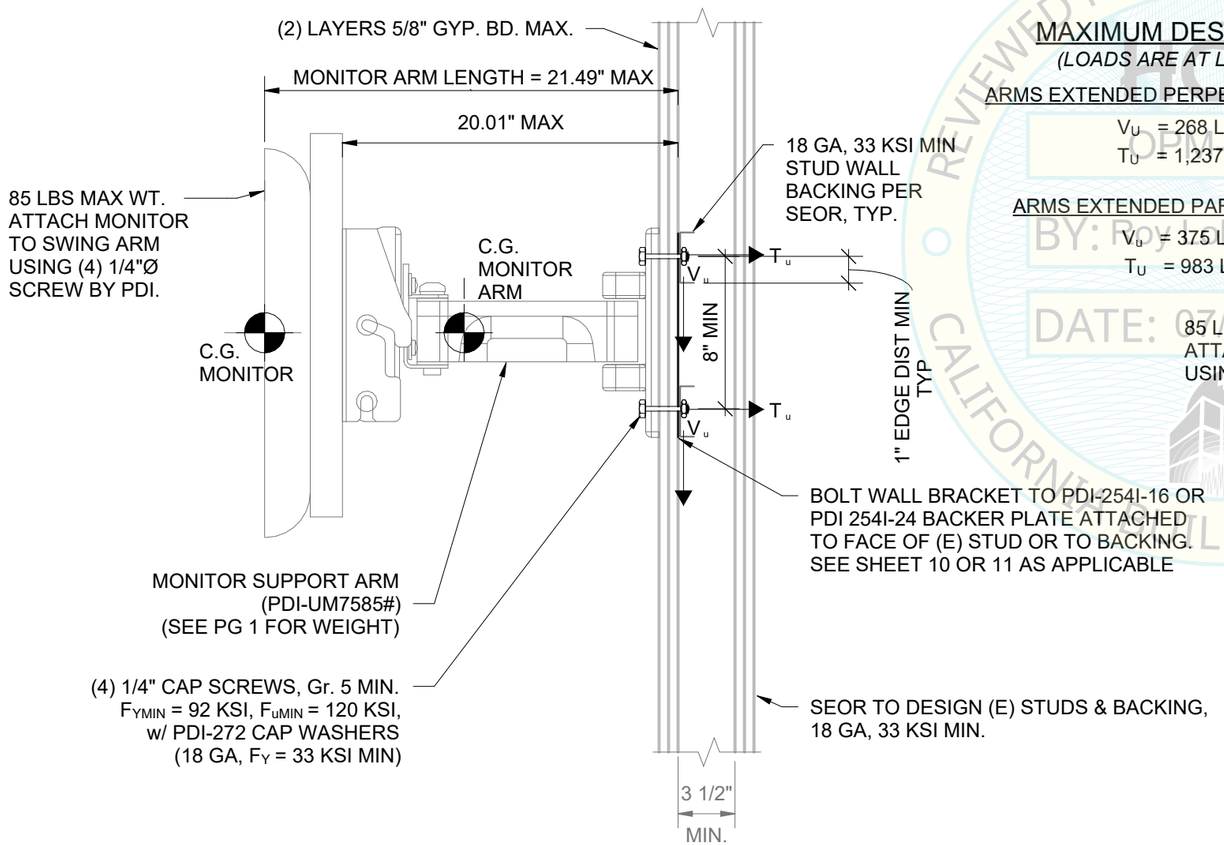
PDI-886 BASE
PDI-886 BASE-W

CASE 1c
($z / h \le 1.0$)
$S_{DS} \le 2.5$
$C_{pm} = 5.923$

SEISMIC SUPPORTS & ATTACHMENTS

APPLICABLE SINGLE ARM, WALL-MOUNTED MODEL:
- PDI-UM7585# [A-SERIES TV WALL MOUNT]

SHEET NOTES:
1. FOR DESIGN FORCES AND FACTORS SEE GENERAL NOTES ON PAGE 1.
2. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN.
3. STRUCTURAL ENGINEER OF RECORD (SEOR) FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS TO BE PRESENT.
4. STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL VERIFY THAT INSTALLATION IS IN CONFORMANCE WITH THE CBC 2025 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL AND SHALL VERIFY THAT THE ACTUAL EQUIPMENT WEIGHT, CENTER OF GRAVITY, LOCATION, ATTACHMENT LOCATIONS, ATTACHMENT DETAILS, AND MATERIAL AND THICKNESS OF THE UNIT WHERE THE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION CONTAINED IN THE PREAPPROVAL DOCUMENTS.
5. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT FASTENERS & INSTALLATION IS IN CONFORMANCE WITH THE CBC 2025 AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL.
6. ANY COMBINATION OF ANY MONITORS MUST NOT EXCEED A COMBINED OPERATIONAL WEIGHT OF 85 LBS, PER ARM, FOR PDI-UM7585 ARM.

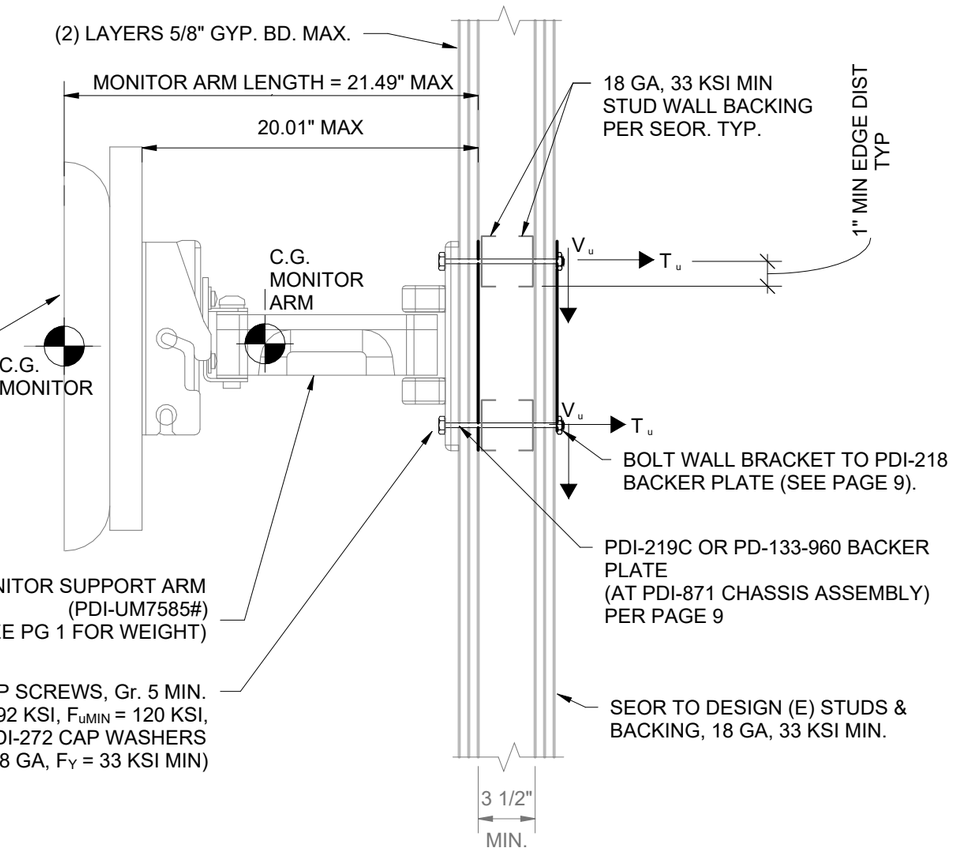


MAXIMUM DESIGN DEMANDS
(LOADS ARE AT LRFD PER BOLT)

ARMS EXTENDED PERPENDICULAR FROM WALL
V_U = 268 LBS/BOLT
T_U = 1,237 LBS/BOLT

ARMS EXTENDED PARALLEL TO THE WALL
V_U = 375 LBS/BOLT
T_U = 983 LBS/BOLT

REVIEWED FOR CODE COMPLIANCE
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE, 2025



OPTION 1 - STEEL STUD WALL SECTION
MAX . C.G. OF THE (PDI-UM7585#) SWING ARM MODELS

OPTION 2 - STEEL STUD WALL SECTION
MAX . C.G. OF THE (PDI-UM7585#) SWING ARM MODELS

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS

PDI-AA5XX#	PD153-012#
PDI-AB10XX#	PDI153-004#
PDI-AA-14XX#	PDI-AD14XX#

PDI MONITOR MODELS

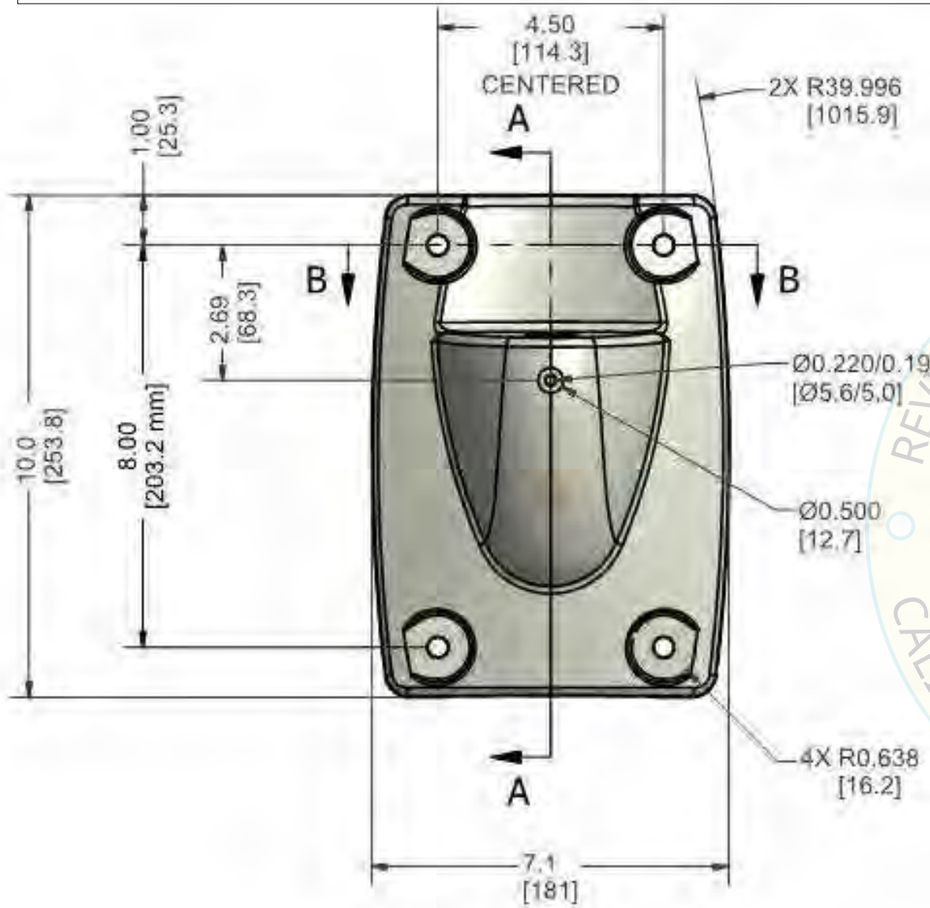
MEDTV16	PDI-A24C	PDI-A55C
MEDTAB16	PDI-A32C	PDI-A65C
MEDTAB22	PDI-A43C	

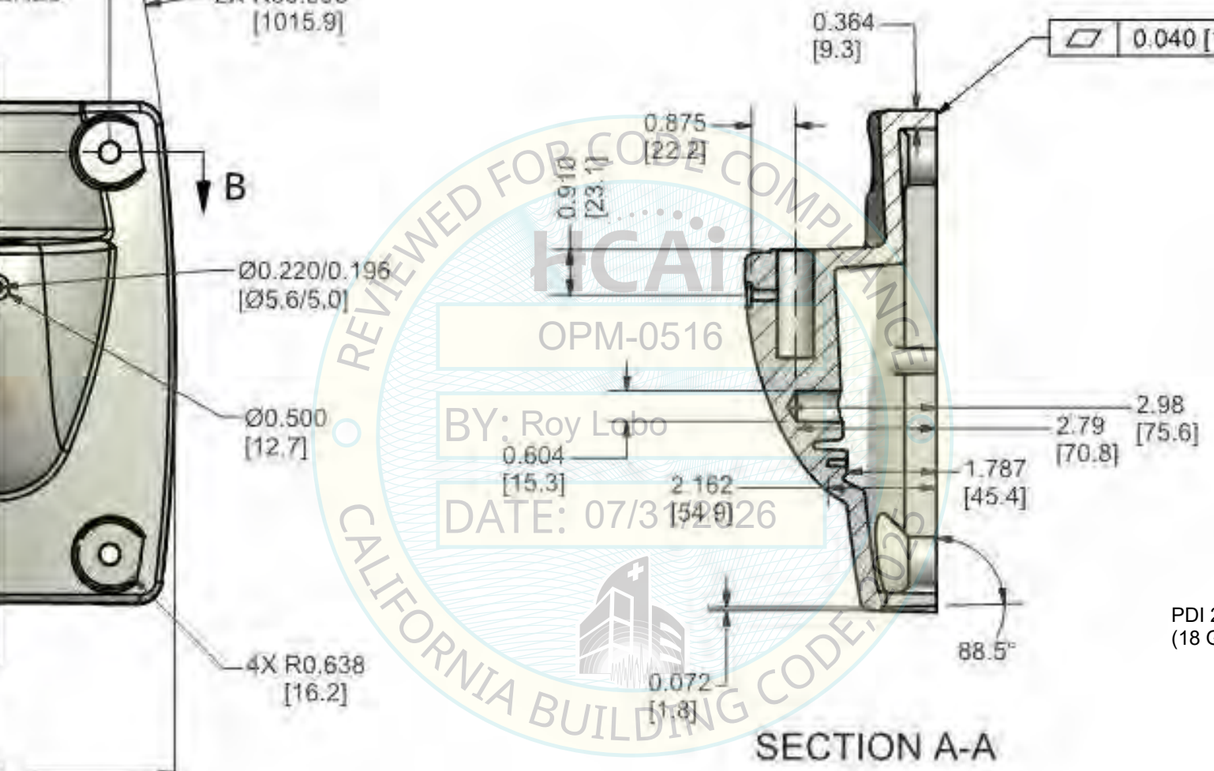
WALL MOUNT BRACKET MODELS

PDI-871#	PDI-771B#
PDI-179AV#	PDI-UM7585#
PDI-179-EXT#	

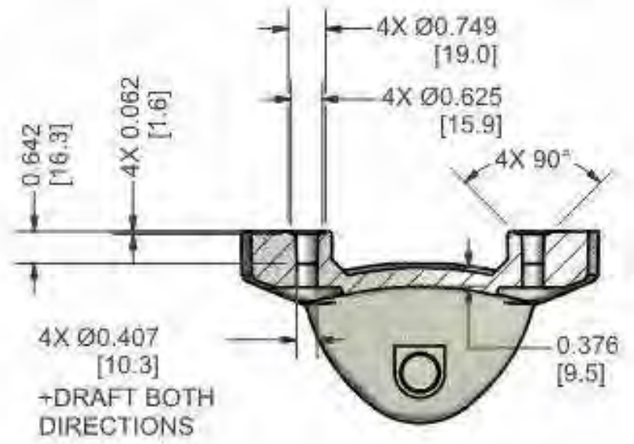
FLOOR MOUNT BASE PLATE MODELS

PDI-886 BASE
PDI-886 BASE-W

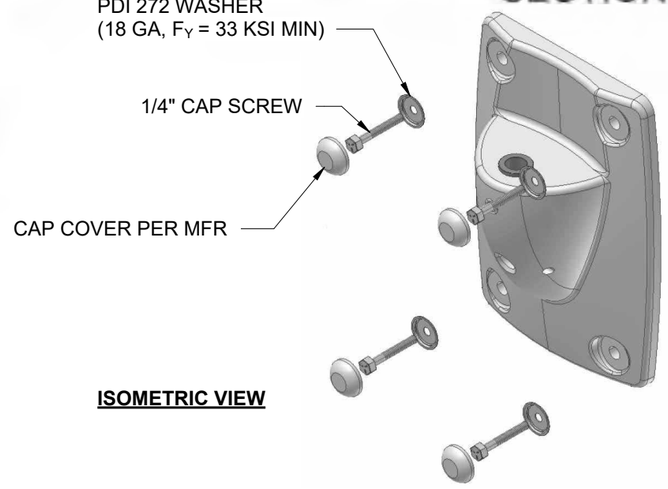




SECTION A-A



SECTION B-B



ISOMETRIC VIEW

PDI-179AV / PDI-871 WALL MOUNT BRACKET

MATERIAL	ADC 12 ALUMINUM (F_Y = 24 KSI MIN)
THICKNESS	1/4" MIN

DIMENSIONS ARE IN INCHES
DIMENSIONS SHOWN WITHIN BRACKETS ARE IN MM

REVIEWED FOR CODE COMPLIANCE
HCAI
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS

PDI-AA5XX#	PD153-012#
PDI-AB10XX#	PDI153-004#
PDI-AA-14XX#	PDI-AD14XX#

PDI MONITOR MODELS

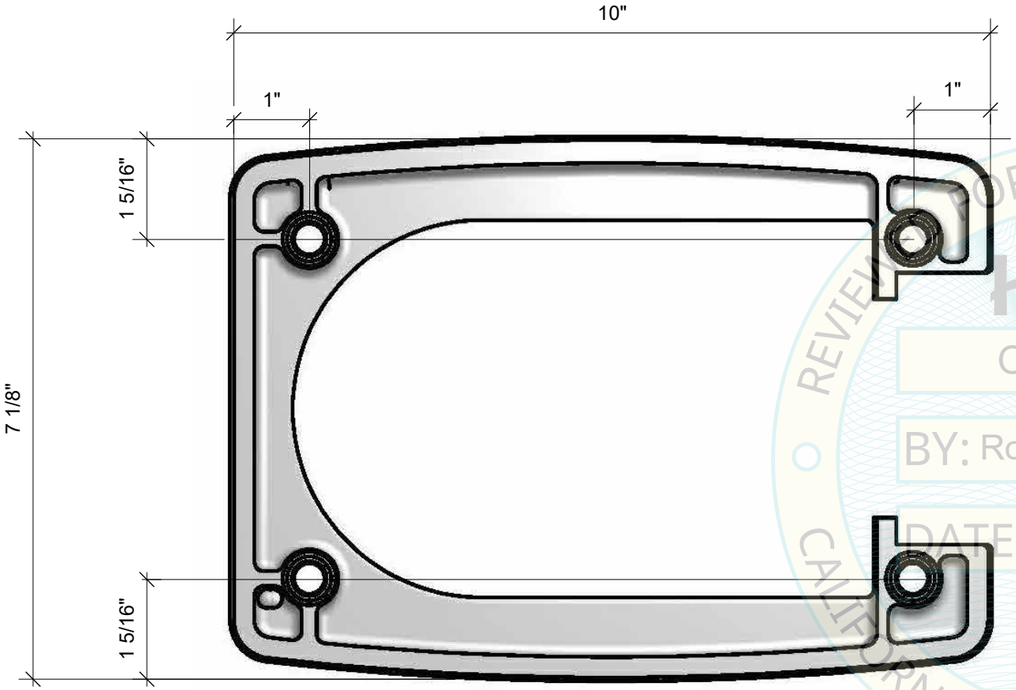
MEDTV16	PDI-A24C	PDI-A55C
MEDTAB16	PDI-A32C	PDI-A65C
MEDTAB22	PDI-A43C	

WALL MOUNT BRACKET MODELS

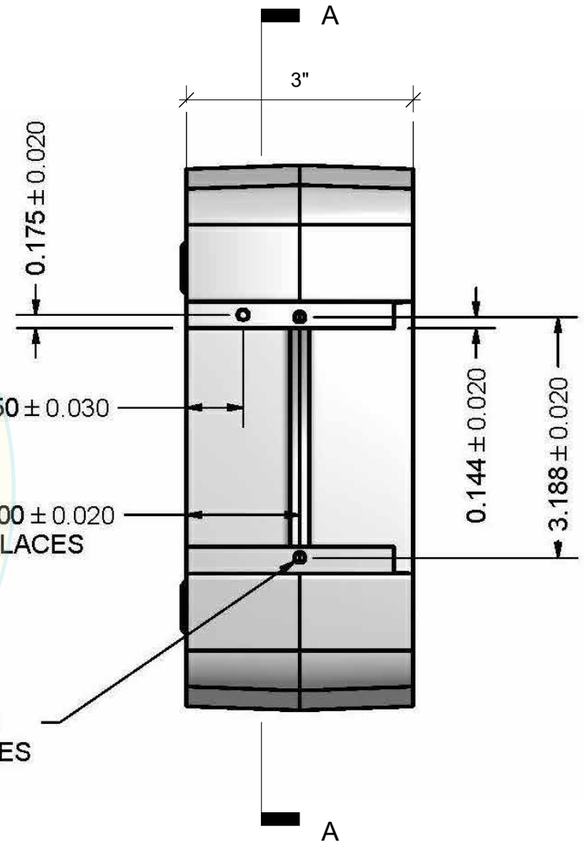
PDI-871#	PDI-771B#
PDI-179AV#	PDI-UM7585#
PDI-179-EXT#	

FLOOR MOUNT BASE PLATE MODELS

PDI-886 BASE
PDI-886 BASE-W



SECTION A-A



TOP VIEW

PDI-179C-EXT
MATERIAL: ADC 12 ALUMINUM (F_Y = 24 KSI MIN)
DIMENSIONS ARE IN INCHES

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE, 2025

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS

PDI-AA5XX#	PD153-012#
PDI-AB10XX#	PDI153-004#
PDI-AA-14XX#	PDI-AD14XX#

PDI MONITOR MODELS

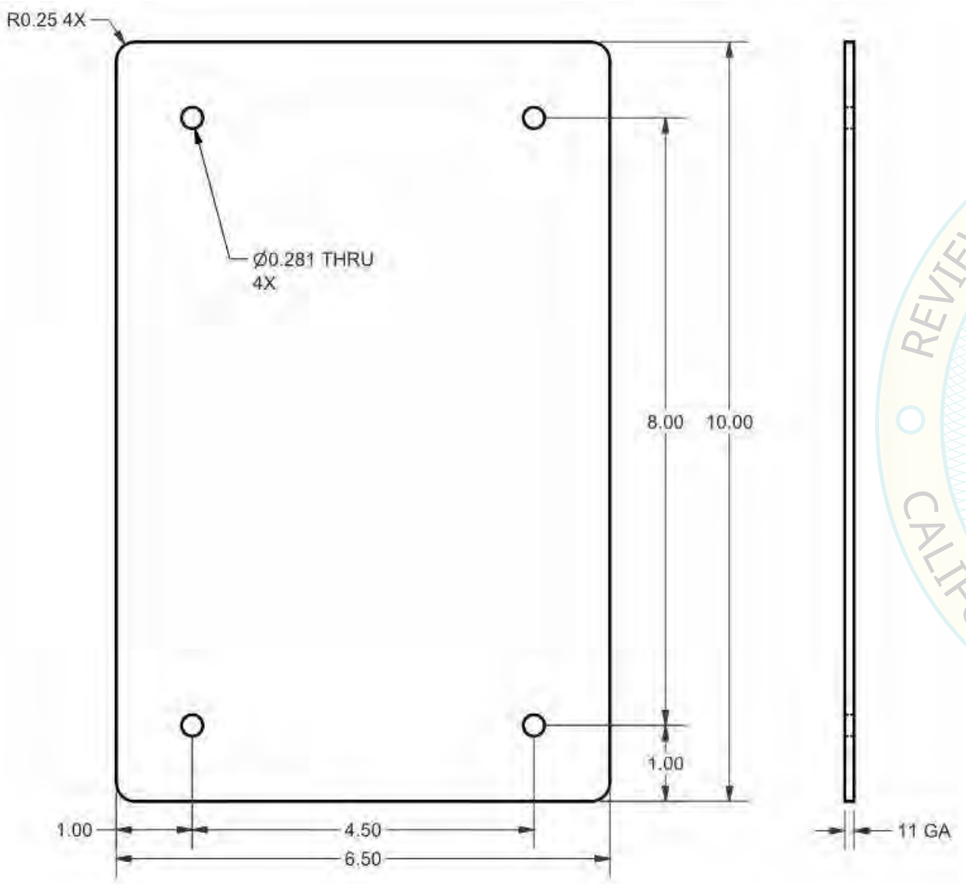
MEDTV16	PDI-A24C	PDI-A55C
MEDTAB16	PDI-A32C	PDI-A65C
MEDTAB22	PDI-A43C	

WALL MOUNT BRACKET MODELS

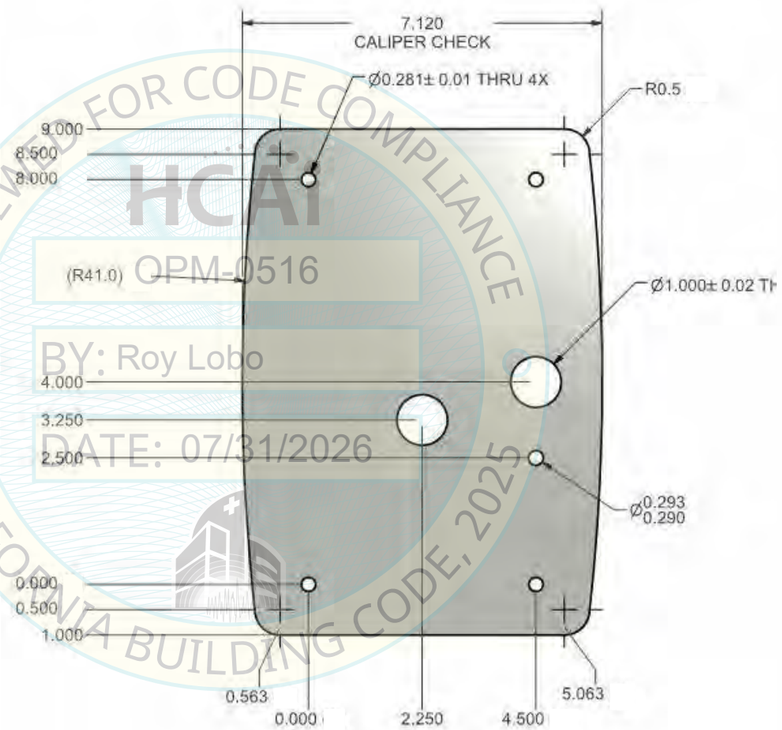
PDI-871#	PDI-771B#
PDI-179AV#	PDI-UM7585#
PDI-179-EXT#	

FLOOR MOUNT BASE PLATE MODELS

PDI-886 BASE
PDI-886 BASE-W

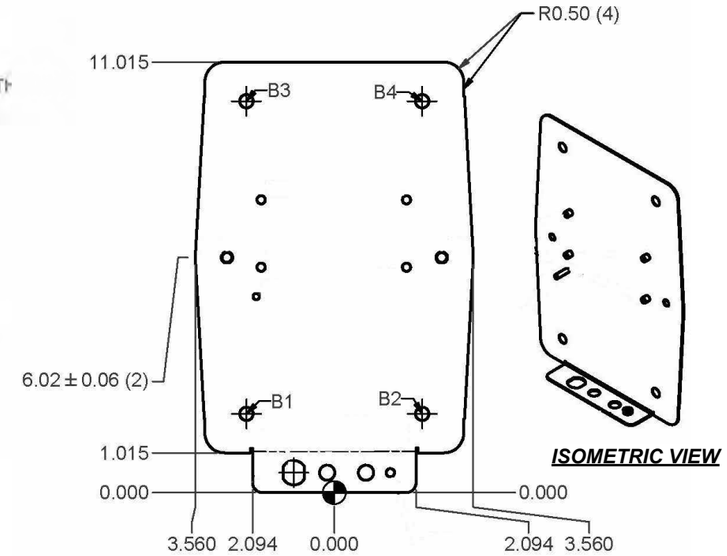


PDI-218 BACKER PLATE
MATERIAL A-1008 CS GRADE B (F_Y = 24 KSI MIN)



PDI-219C BACKER PLATE
MATERIAL A-1008 CS GRADE B (F_Y = 24 KSI MIN)
THICKNESS 11 GA
DIMENSIONS ARE IN INCHES

Hole Table			
HOLE	XDIM	YDIM	DESCRIPTION
B1	-2.250	2.015	Ø0.344
B2	2.250	2.015	
B3	-2.250	10.015	
B4	2.250	10.015	



PD133-960 BACKER PLATE
MATERIAL A-1008 CS GRADE B (F_Y = 24 KSI MIN)
THICKNESS 18 GA
DIMENSIONS ARE IN INCHES

REVIEWED FOR CODE COMPLIANCE
HCAI
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE, 2025

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS

PDI-AA5XX#	PD153-012#
PDI-AB10XX#	PDI153-004#
PDI-AA-14XX#	PDI-AD14XX#

PDI MONITOR MODELS

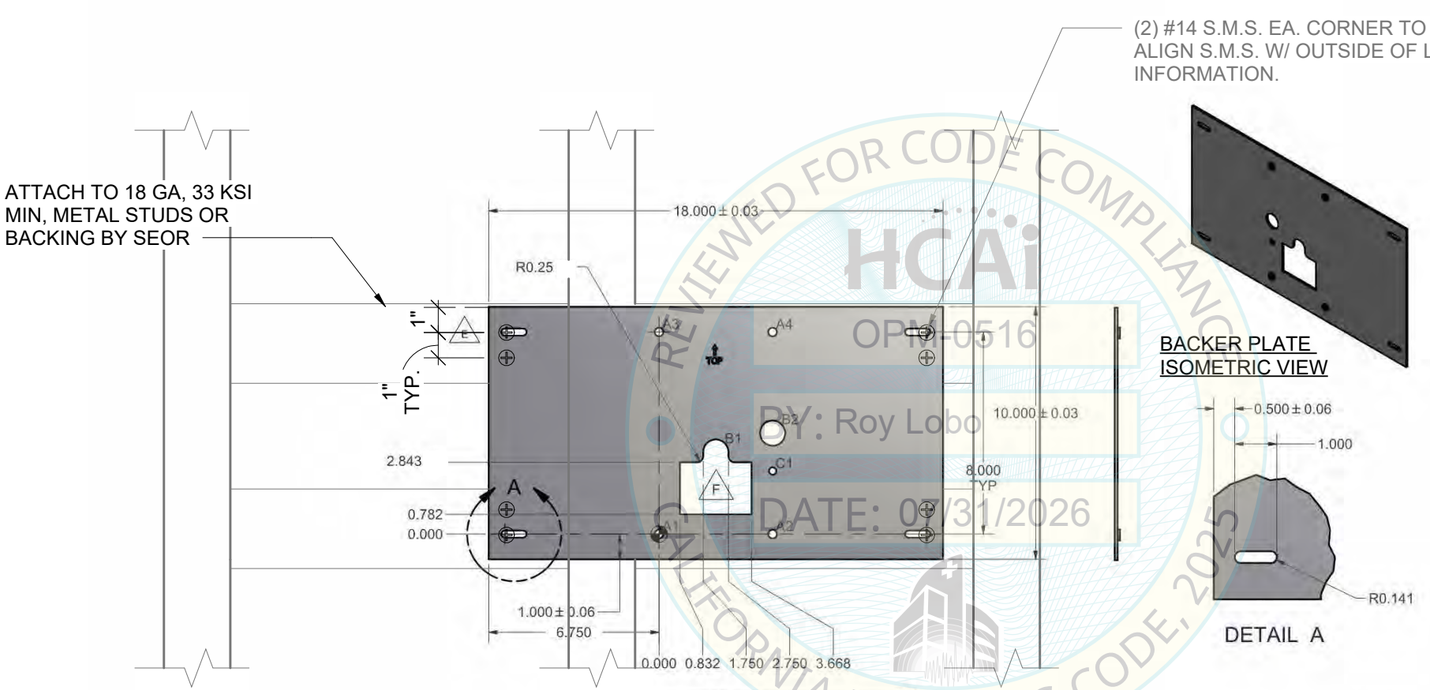
MEDTV16	PDI-A24C	PDI-A55C
MEDTAB16	PDI-A32C	PDI-A65C
MEDTAB22	PDI-A43C	

WALL MOUNT BRACKET MODELS

PDI-871#	PDI-771B#
PDI-179AV#	PDI-UM7585#
PDI-179-EXT#	

FLOOR MOUNT BASE PLATE MODELS

PDI-886 BASE
PDI-886 BASE-W



Hole Table

HOLE	XDIM	YDIM	DESCRIPTION
A1	0.00	0.00	Ø 0.347 / 0.344
A2	4.50	0.00	Ø 0.347 / 0.344
A3	0.00	8.00	Ø 0.347 / 0.344
A4	4.50	8.00	Ø 0.347 / 0.344
B1	2.25	3.25	Ø1.0
B2	4.50	4.00	Ø1.0
C1	4.50	2.50	Ø 0.293 / 0.290

PDI-254I BACKER PLATE

MATERIAL ASTM A653 GR. 33 (F_Y = 33 KSI MIN)
THICKNESS 11 GA
DIMENSIONS ARE IN INCHES

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE, 2025

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS

PDI-AA5XX#	PD153-012#
PDI-AB10XX#	PDI153-004#
PDI-AA-14XX#	PDI-AD14XX#

PDI MONITOR MODELS

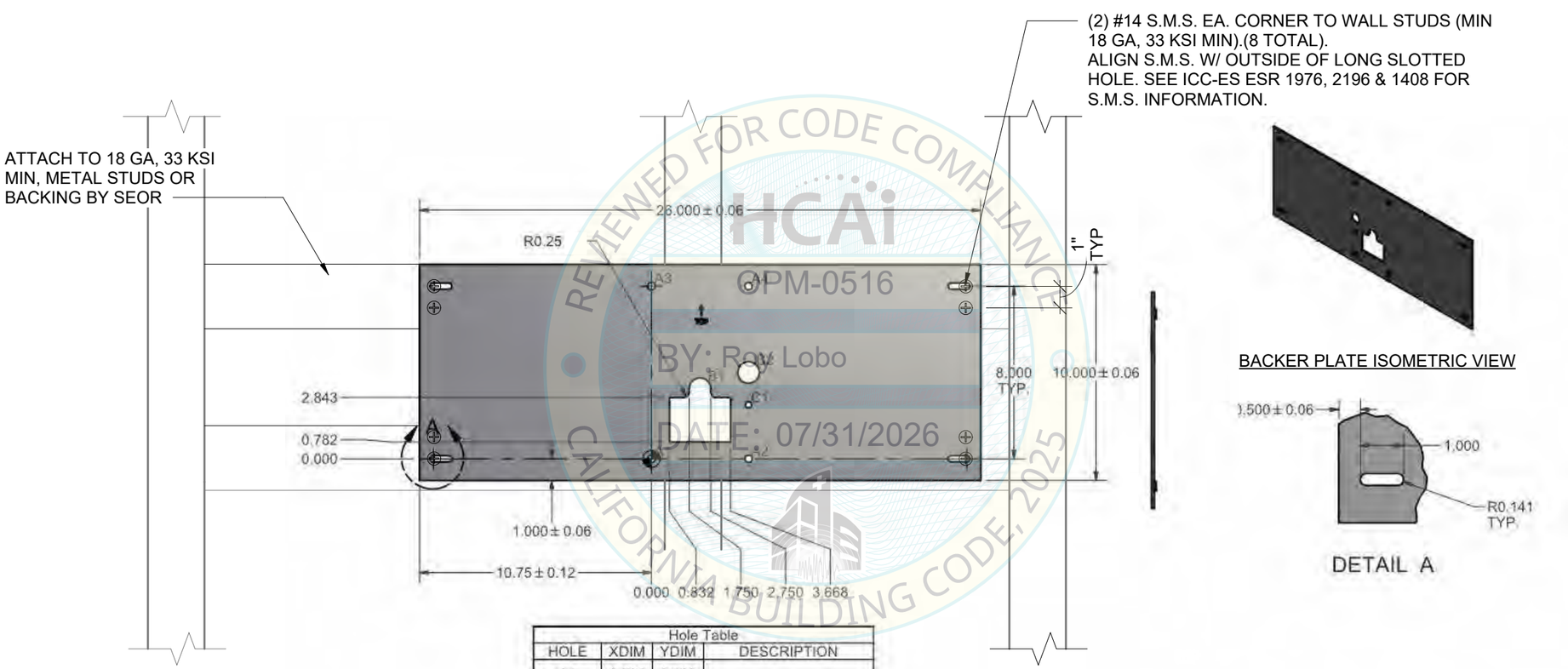
MEDTV16	PDI-A24C	PDI-A55C
MEDTAB16	PDI-A32C	PDI-A65C
MEDTAB22	PDI-A43C	

WALL MOUNT BRACKET MODELS

PDI-871#	PDI-771B#
PDI-179AV#	PDI-UM7585#
PDI-179-EXT#	

FLOOR MOUNT BASE PLATE MODELS

PDI-886 BASE
PDI-886 BASE-W



Hole Table			
HOLE	XDIM	YDIM	DESCRIPTION
A1	0.000	0.000	Ø 0.347 / 0.344
A2	4.500	0.000	
A3	0.000	8.000	
A4	4.500	8.000	
B1	2.250	3.250	Ø1.0
B2	4.500	4.000	
C1	4.500	2.500	Ø 0.293 / 0.290

PDI-254I-24 BACKER PLATE

MATERIAL ASTM A653 GR. 33 (Fy = 33 KSI MIN)
THICKNESS 11 GA
DIMENSIONS ARE IN INCHES

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE, 2025

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

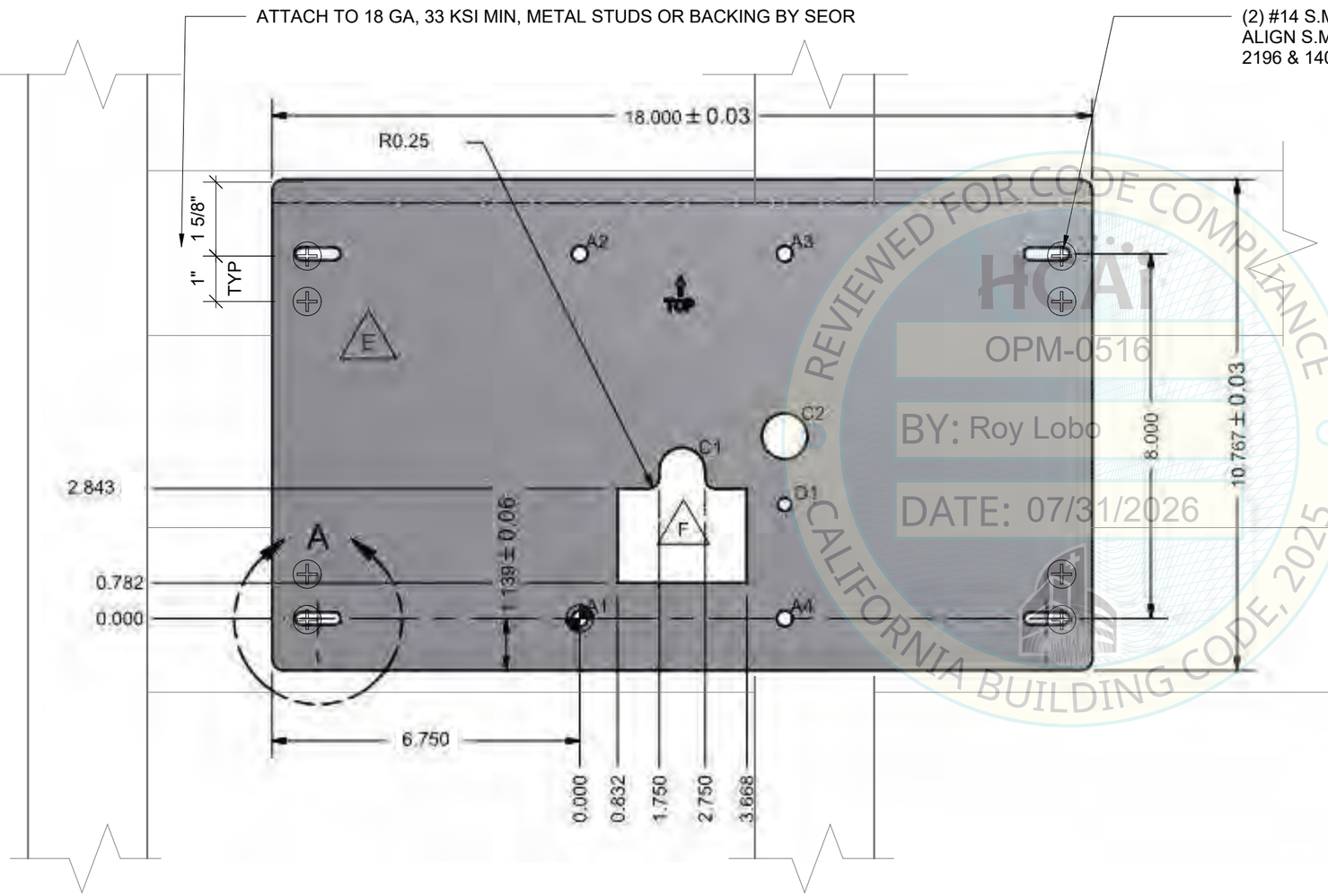
REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS
PDI-AA5XX# PD153-012#
PDI-AB10XX# PDI153-004#
PDI-AA-14XX# PDI-AD14XX#

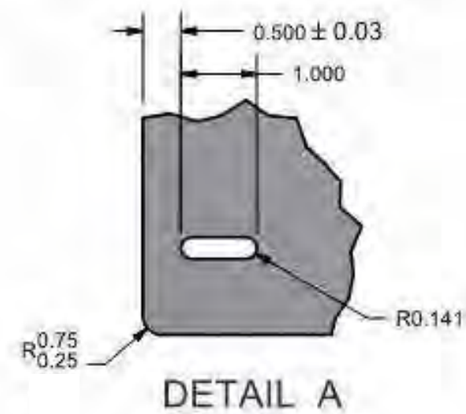
PDI MONITOR MODELS
MEDTV16 PDI-A24C PDI-A55C
MEDTAB16 PDI-A32C PDI-A65C
MEDTAB22 PDI-A43C

WALL MOUNT BRACKET MODELS
PDI-871# PDI-771B#
PDI-179AV# PDI-UM7585#
PDI-179-EXT#

FLOOR MOUNT BASE PLATE MODELS
PDI-886 BASE
PDI-886 BASE-W



Hole Table			
HOLE	XDIM	YDIM	DESCRIPTION
A1	0.000	0.000	Ø 0.347 / 0.344 THRU
A4	4.500	0.000	
A2	0.000	8.000	
A3	4.500	8.000	
D1	4.500	2.500	Ø 0.293 / 0.290 THRU
C1	2.250	3.250	Ø1.0 THRU
C2	4.500	4.000	



PDI-255E BACKER PLATE
MATERIAL A-1008 CS GRADE B (F_Y = 24 KSI MIN)
THICKNESS 11 GA
DIMENSIONS ARE IN INCHES

HCAI
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
REVIEWED FOR CODE COMPLIANCE
CALIFORNIA BUILDING CODE, 2025

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS

PDI-AA5XX#	PD153-012#
PDI-AB10XX#	PDI153-004#
PDI-AA-14XX#	PDI-AD14XX#

PDI MONITOR MODELS

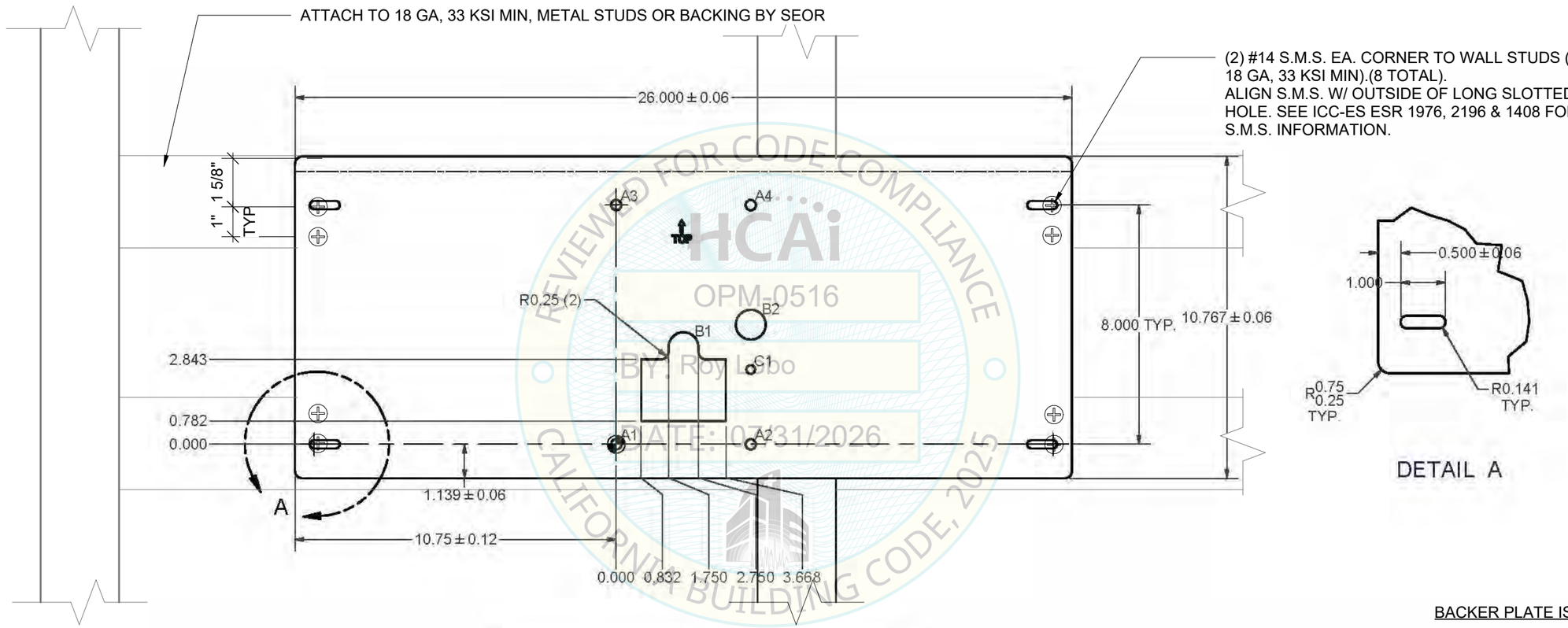
MEDTV16	PDI-A24C	PDI-A55C
MEDTAB16	PDI-A32C	PDI-A65C
MEDTAB22	PDI-A43C	

WALL MOUNT BRACKET MODELS

PDI-871#	PDI-771B#
PDI-179AV#	PDI-UM7585#
PDI-179-EXT#	

FLOOR MOUNT BASE PLATE MODELS

PDI-886 BASE
PDI-886 BASE-W



REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0516
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE, 2025

BACKER PLATE ISOMETRIC VIEW

Hole Table			
HOLE	XDIM	YDIM	DESCRIPTION
A1	0.000	0.000	Ø 0.347 0.344 THRU
A2	4.500	0.000	
A3	0.000	8.000	
A4	4.500	8.000	
B1	2.250	3.250	Ø1.0 THRU
B2	4.500	4.000	
C1	4.500	2.500	Ø 0.293 0.290

PDI-255E-24-B-C-G BACKER PLATE
MATERIAL A-1008 CS GRADE B (F_Y = 24 KSI MIN)
THICKNESS 11 GA
DIMENSIONS ARE IN INCHES

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS
PDI-AA5XX# PD153-012#
PDI-AB10XX# PDI153-004#
PDI-AA-14XX# PDI-AD14XX#

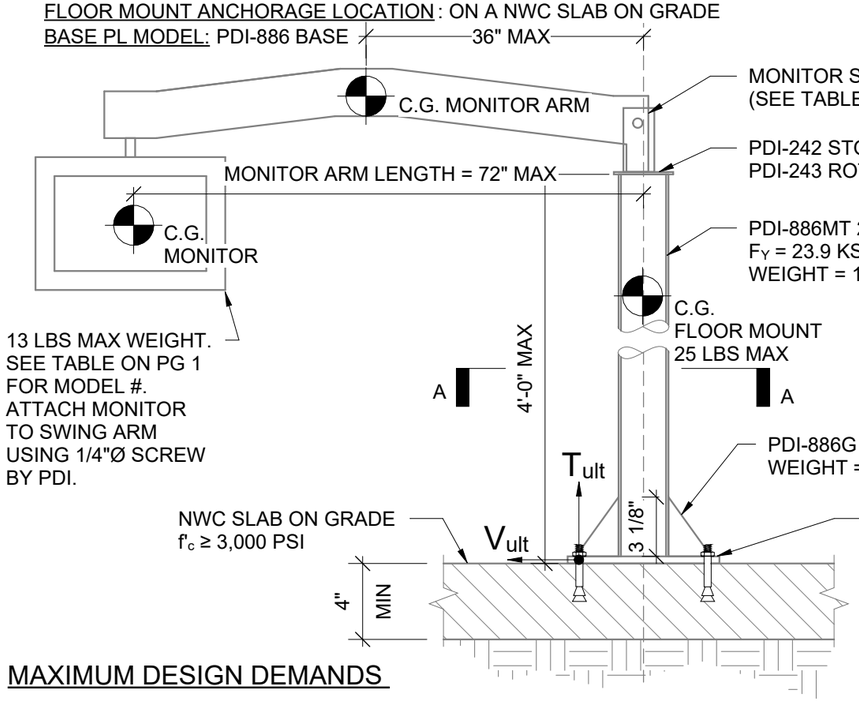
PDI MONITOR MODELS
MEDTV16 PDI-A24C PDI-A55C
MEDTAB16 PDI-A32C PDI-A65C
MEDTAB22 PDI-A43C

WALL MOUNT BRACKET MODELS
PDI-871# PDI-771B#
PDI-179AV# PDI-UM7585#
PDI-179-EXT#

FLOOR MOUNT BASE PLATE MODELS
PDI-886 BASE
PDI-886 BASE-W

CASE 3
(z / h = 0.0)
$S_{DS} \leq 2.5$
$C_{pm} = 2.54$

FLOOR MOUNT ANCHORAGE LOCATION: ON A NWC SLAB ON GRADE
BASE PL MODEL: PDI-886 BASE

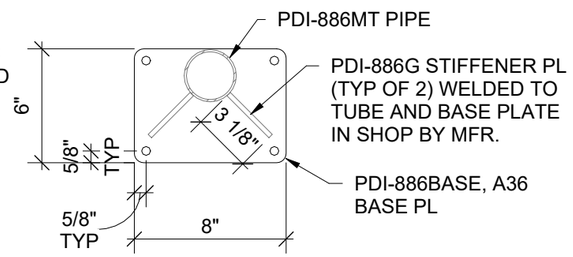


SIDE ELEVATION

MAXIMUM DESIGN DEMANDS

V_U = 26 LBS/ANCHOR
T_U = 644 LBS/ANCHOR

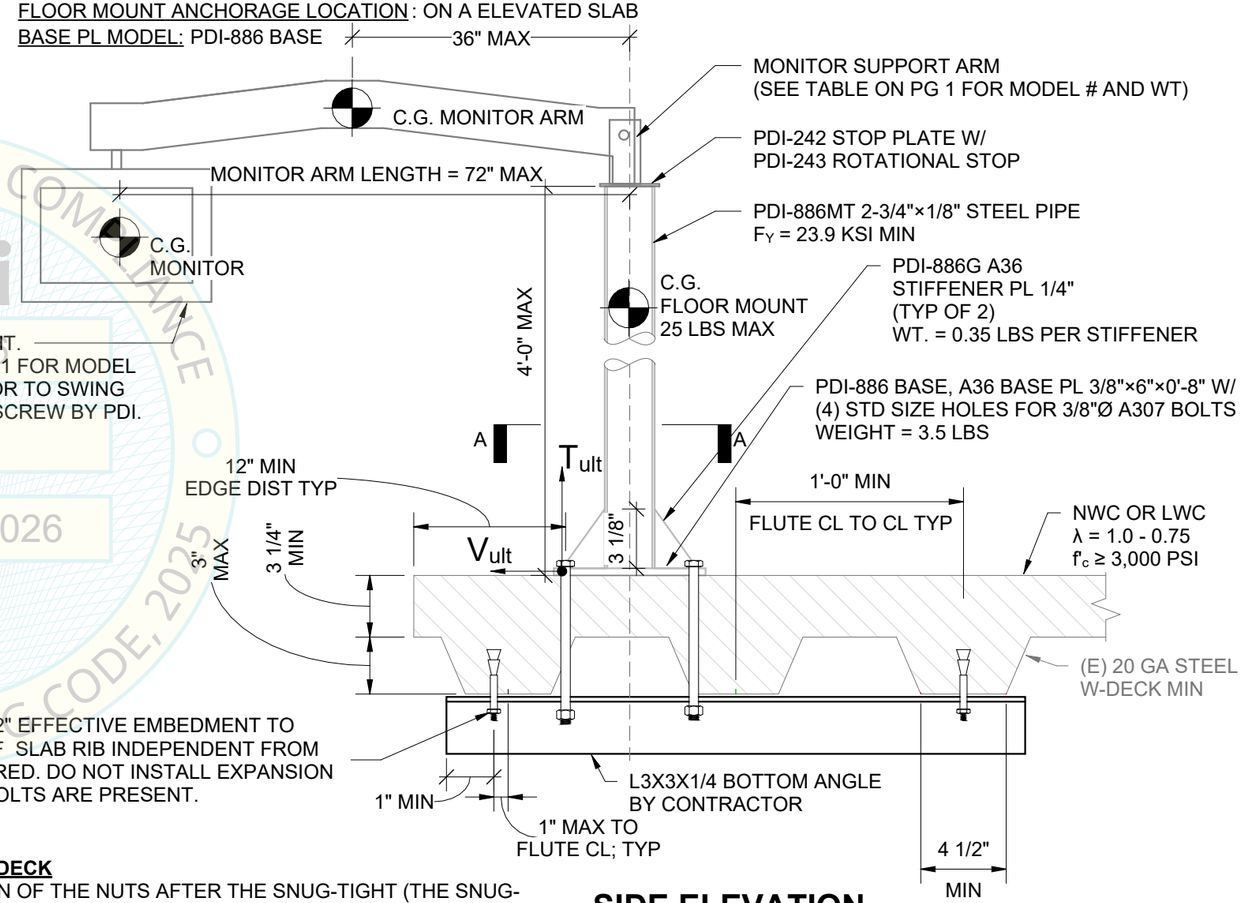
NOTE: THAT THESE DEMANDS ARE PER EXPANSION ANCHOR AND HAVE **NOT** BEEN AMPLIFIED BY Ω_o



SECTION A-A

CASE 4
(z / h ≤ 1.0)
$S_{DS} \leq 2.5$
$C_{pm} = 6.00$

FLOOR MOUNT ANCHORAGE LOCATION: ON A ELEVATED SLAB
BASE PL MODEL: PDI-886 BASE



PROVIDE (2) 1/2"Ø EXPANSION ANCHORS W/ 2" EFFECTIVE EMBEDMENT TO SUPPORT ANGLE. INSTALL AT UNDERSIDE OF SLAB RIB INDEPENDENT FROM THROUGH BOLTS. EXTEND ANGLE AS REQUIRED. DO NOT INSTALL EXPANSION ANCHORS IN SLAB RIBS WHERE THROUGH BOLTS ARE PRESENT.

SIDE ELEVATION

BOLTS THROUGH CONCRETE ON METAL DECK

A. BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS AFTER THE SNUG-TIGHT (THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) CONDITION IS ACHIEVED, UNLESS OTHERWISE NOTED.

B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16") FOR CONCRETE.

C. THROUGH-BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION AND TESTING (THROUGH BOLTS WITH STEEL TO STEEL CONNECTION IN TENSION DO NOT REQUIRE TENSION TESTING) IN ACCORDANCE WITH REQUIREMENTS FOR POST-INSTALLED ANCHORS.

MAXIMUM DESIGN DEMANDS

V_U = 85 LBS/BOLT
T_U = 1,996 LBS/BOLT

NOTE: THAT THESE DEMANDS ARE PER BOLT AND HAVE **NOT** BEEN AMPLIFIED BY Ω_o

REVIEWED FOR CODE COMPLIANCE
HCAi
BY: Roy Lobo
DATE: 07/31/2026
CALIFORNIA BUILDING CODE, 2025

OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0516
PDi COMMUNICATION SYSTEMS INC.

DEGENKOLB ENGINEERS
225 Broadway, Suite 1325
San Diego, CA 92101
619.515.0299 PHONE
619.515.0298 FAX

REGISTERED PROFESSIONAL ENGINEER
CHAD RAYMOND CLOSS
No. S 5946
STRUCTURAL
STATE OF CALIFORNIA
09/09/26

ARTICULATING SWING ARM MODELS
PDI-AA5XX# PD153-012#
PDI-AB10XX# PDI153-004#
PDI-AA-14XX# PDI-AD14XX#

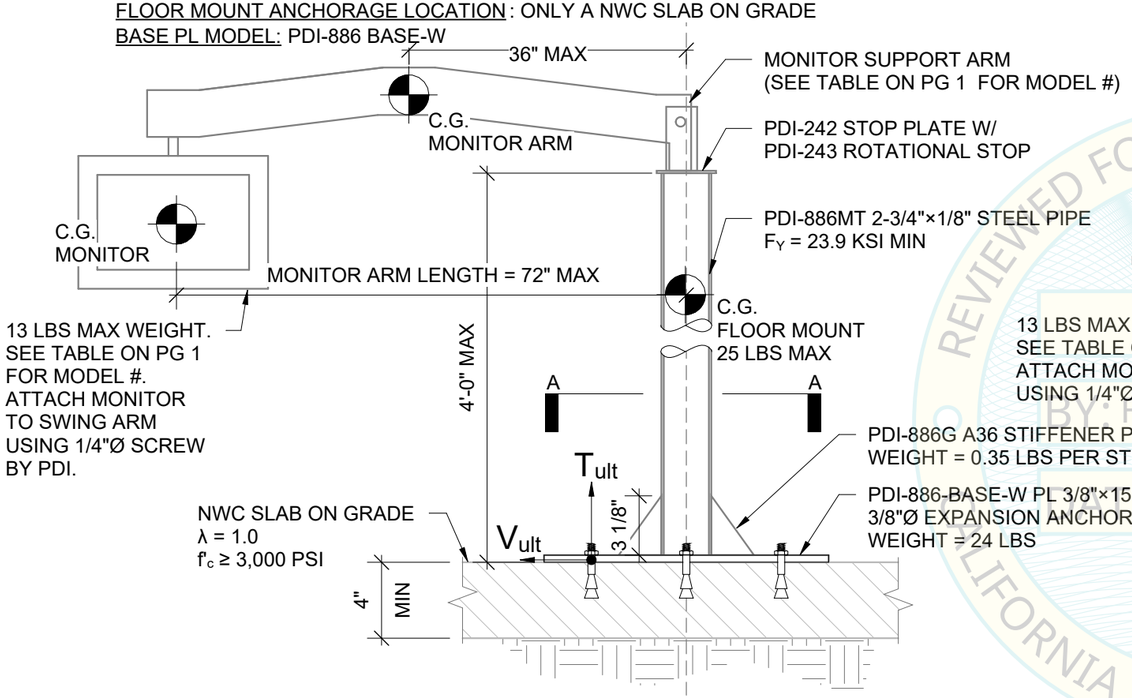
PDI MONITOR MODELS
MEDTV16 PDI-A24C PDI-A55C
MEDTAB16 PDI-A32C PDI-A65C
MEDTAB22 PDI-A43C

WALL MOUNT BRACKET MODELS
PDI-871# PDI-771B#
PDI-179AV# PDI-UM7585#
PDI-179-EXT#

FLOOR MOUNT BASE PLATE MODELS
PDI-886 BASE
PDI-886 BASE-W

CASE 5
(z / h = 0.0)
$S_{DS} \leq 2.5$
$C_{pm} = 2.54$

FLOOR MOUNT ANCHORAGE LOCATION: ONLY A NWC SLAB ON GRADE
BASE PL MODEL: PDI-886 BASE-W



SIDE ELEVATION

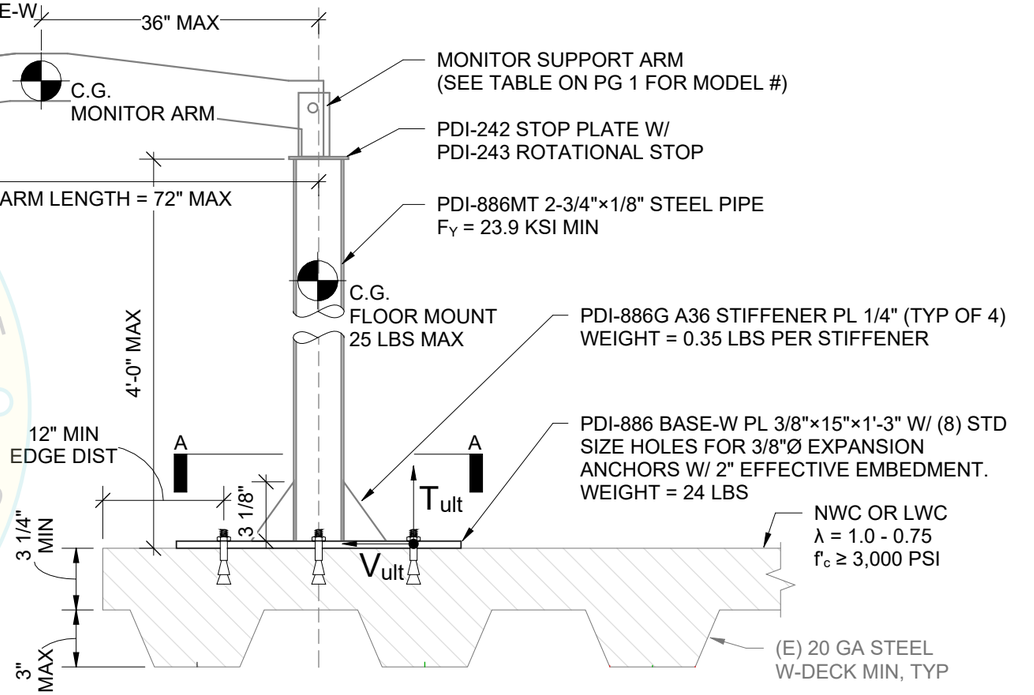
MAXIMUM DESIGN DEMANDS

V_U = 20 LBS/ANCHOR
T_U = 210 LBS/ANCHOR

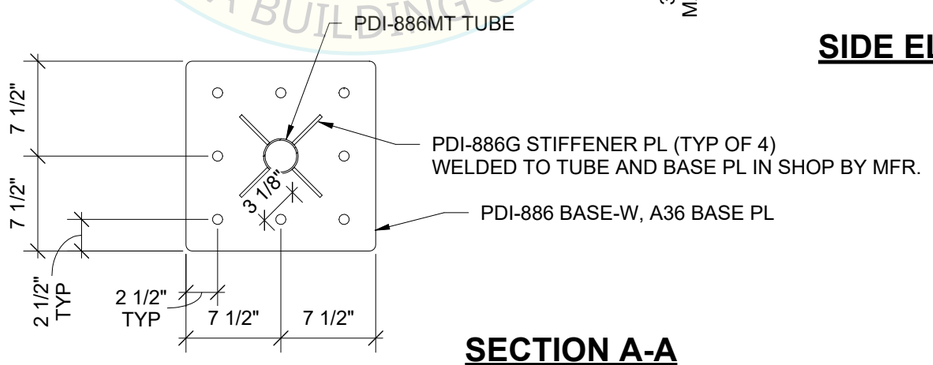
NOTE: THAT THESE DEMANDS ARE PER EXPANSION ANCHOR AND HAVE **NOT** BEEN AMPLIFIED BY Ω_o

CASE 6
(z / h ≤ 1.0)
$S_{DS} \leq 2.5$
$C_{pm} = 6.00$

FLOOR MOUNT ANCHORAGE LOCATION: ON A ELEVATED LWC/NWC SLAB
BASE PL MODEL: PDI-886 BASE-W



SIDE ELEVATION



SECTION A-A

MAXIMUM DESIGN DEMANDS

V_U = 74 LBS/ANCHOR
T_U = 561 LBS/ANCHOR

NOTE: THAT THESE DEMANDS ARE PER EXPANSION ANCHOR AND HAVE **NOT** BEEN AMPLIFIED BY Ω_o

REVIEWED FOR CODE COMPLIANCE
HCAI
OPM-0516
BY: Roy Lobo
CALIFORNIA BUILDING CODE, 2025