

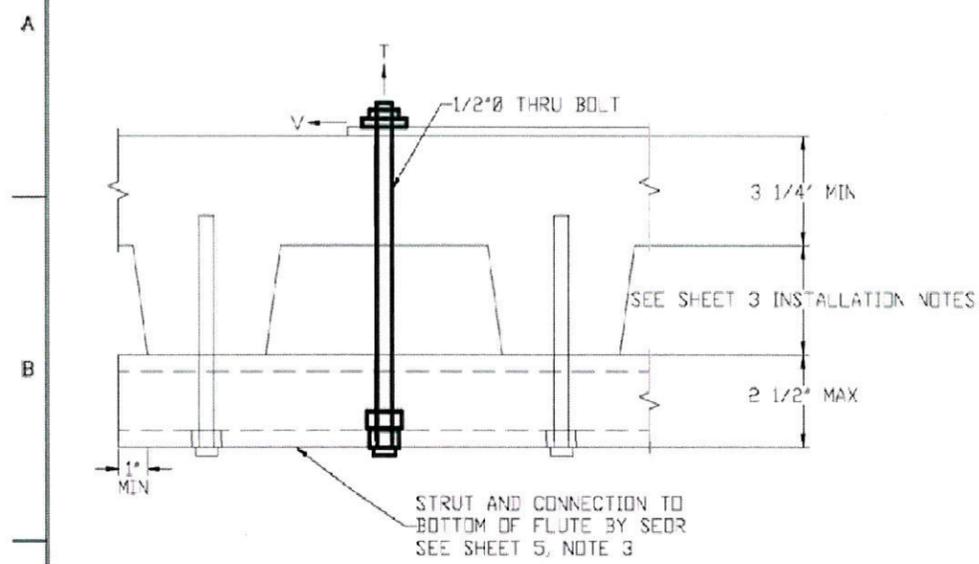
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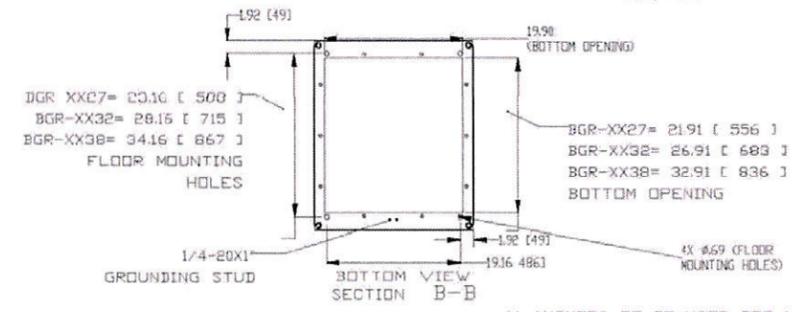
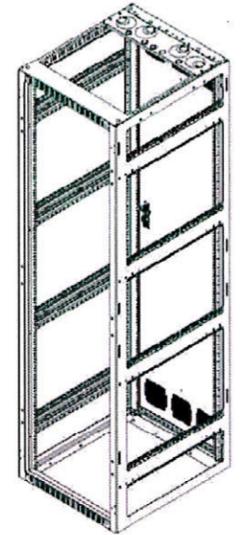
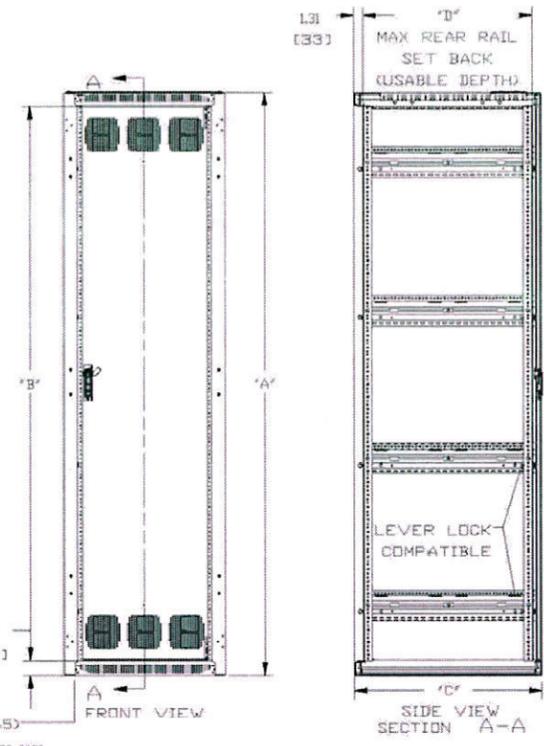
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PAGE	1 of 5

BGR-SERIES OSHPD



MODEL #	RACK SPACES	"A" OVERALL HEIGHT	"B" RACKING HEIGHT	"C" DEPTH	"D" USABLE DEPTH	RACK WEIGHT (EMPTY) (LBS)
BGR-1927	19	37.375(949)	33.375(848)	27(686)	24.4(620)	79
BGR-2527	25	47.875(1216)	43.875(1114)	27(686)	24.4(620)	85
BGR-3827	38	70.625(1794)	66.625(1692)	27(686)	24.4(620)	110
BGR-4127	41	75.875(1927)	71.875(1826)	27(686)	24.4(620)	120
BGR-4527	45	82.875(2105)	78.875(2003)	27(686)	24.4(620)	127
BGR-2532	25	47.875(1216)	43.875(1114)	32(812)	29.4(747)	89
BGR-3832	38	70.625(1794)	66.625(1692)	32(812)	29.4(747)	119
BGR-4132	41	75.875(1927)	71.875(1826)	32(812)	29.4(747)	134
BGR-4532	45	82.875(2105)	78.875(2003)	32(812)	29.4(747)	142
BGR-4138	41	75.875(1927)	71.875(1826)	38(965)	35.4(899)	143
BGR-4538	45	82.875(2105)	78.875(2003)	38(965)	35.4(899)	150

NOTE:
ALL DIMENSIONS ARE EXPRESSED IN THE FORM IN. (mm)
ANCHORAGE MATERIAL THICKNESS = .060(1.5) BASE + .125(3.2) BRACKET



(4 ANCHORS TO BE USED SEE NOTES)
ANCHORED USING BGR-24 OR BGR-ISO-ANCH-24 BRACKET KIT



APPROVED
Fixed Equipment Anchorage
Office of Statewide Health Planning and Development

OPA-2710-10
Pre-approval Program Manager
Anthony R. Pike
(916) 440-8470

Reviewed By *Anthony R. Pike* 7/24/13 Date

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---	MODELED		
NEXT ASSY	DRAWN		TITLE
---			BGR-SERIES OSHPD
MATERIALS	SEE COMPONENTS		PART NO.
---			PART REV
FINISH			SIZE
---			DFW NO. NONE
			SVG NO.
			SVG REV

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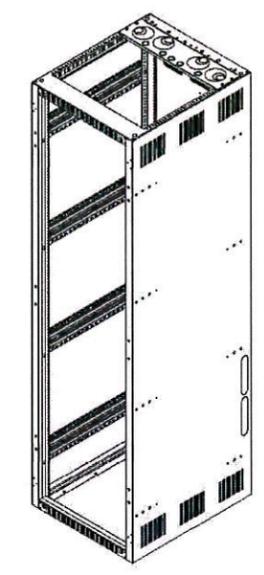
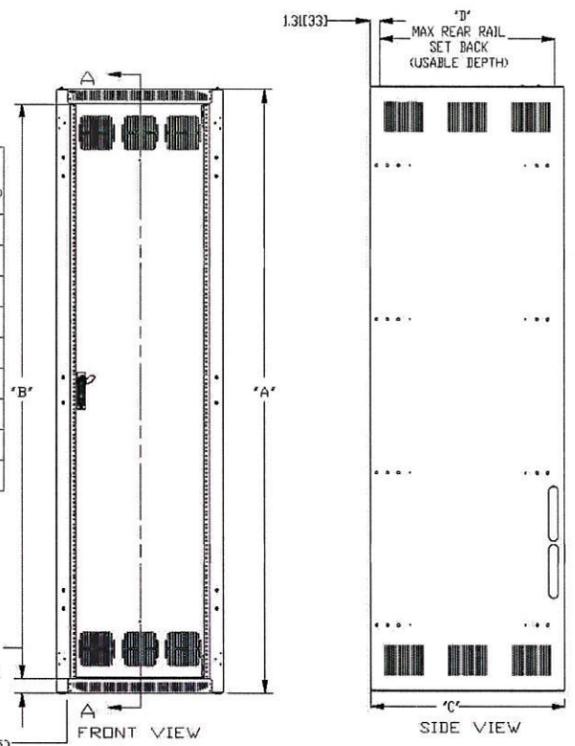
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PAGE:	2 of 5

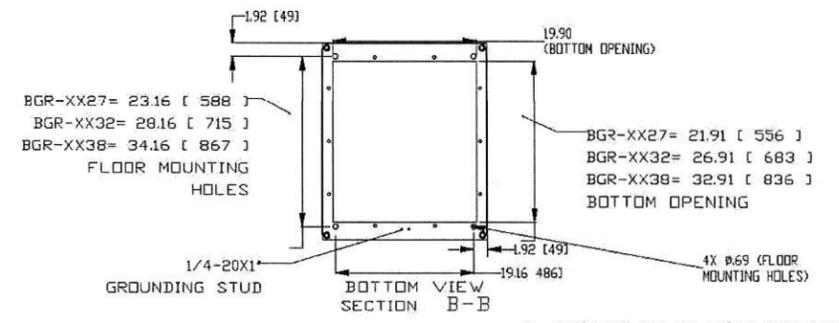
BGR-SERIES OSHPD

MODEL #	RACK SPACES	'A' OVERALL HEIGHT	'B' RACKING HEIGHT	'C' DEPTH	'D' USABLE DEPTH	RACK WEIGHT (EMPTY) (LBS)
BGR-19SA-27	19	37.375(949)	33.375(848)	27(686)	24.4(620)	92
BGR-25SA-27	25	47.875(1216)	43.875(1114)	27(686)	24.4(620)	112
BGR-38SA-27	38	70.625(1794)	66.625(1692)	27(686)	24.4(620)	146
BGR-41SA-27	41	75.875(1927)	71.875(1826)	27(686)	24.4(620)	158
BGR-45SA-27	45	82.875(2105)	78.875(2003)	27(686)	24.4(620)	169
BGR-25SA-32	25	47.875(1216)	43.875(1114)	32(812)	29.4(747)	118
BGR-38SA-32	38	70.625(1794)	66.625(1692)	32(812)	29.4(747)	159
BGR-41SA-32	41	75.875(1927)	71.875(1826)	32(812)	29.4(747)	178
BGR-45SA-32	45	82.875(2105)	78.875(2003)	32(812)	29.4(747)	184

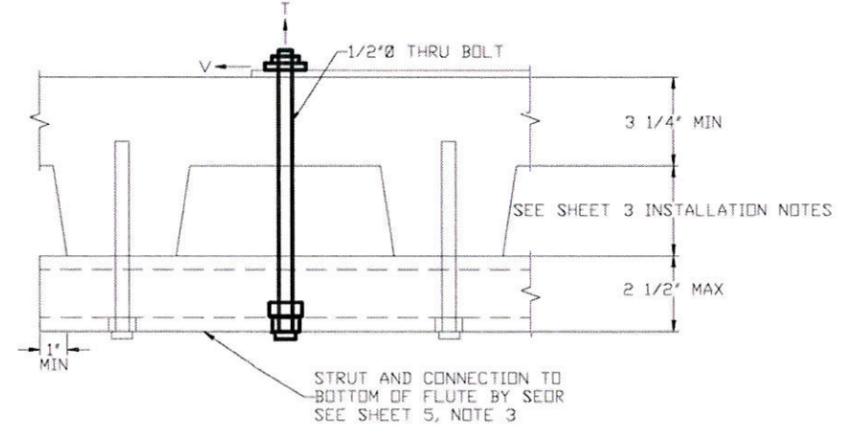
NOTE:
 ALL DIMENSIONS ARE EXPRESSED IN THE FORM IN. (mm)
 ANCHORAGE MATERIAL THICKNESS = .060(1.5) BASE + .125(3.2) BRACKET



MATERIAL: CRS 16AWG 0.055-0.065 (1.4-1.65)



(4 ANCHORS TO BE USED SEE NOTES)
 ANCHORED USING BGR-Z4 OR
 BGR-ISO-ANCH-Z4 BRACKET KIT



-CONNECTION DETAIL-



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Anthony R. Pike 7/20/13
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NEAT ASBY	CIRCLED DIMENSIONS ARE CRITICAL INSPECTION DIMENSIONS UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES	
MATERIAL: SEE COMPONENTS	TOLERANCES ARE: DECIMAL: ± .010 FRACTIONS: ± 1/32 ANGLES: ± 1'	
FINISH	SCALE = 1/8"	
--	TITLE: BGR-SERIES OSHPD	
	PART NO.	PART REV.
	SIZE: 3	SWF NO: NONE
	SVG NO.	SVG REV.

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PAGE	3 of 5

BGR-SERIES OSHPD

Drawing Notes for BGR Series

GENERAL

1. THE WORK SHOWN ON THESE DRAWINGS IS FOR THE SEISMIC ANCHORAGE OF THE SUBJECT RACK ENCLOSURES. MAXIMUM PERMISSIBLE CONTENT CAPACITIES FOR VARIOUS HEIGHTS WITHIN THE BUILDING ARE PROVIDED IN TABLES 1 THRU 6.
2. ANCHORAGE DESIGN HAS BEEN DONE IN ACCORDANCE WITH THE 2010 EDITION OF THE CALIFORNIA BUILDING CODE, PART 2, VOLUME 2 OF 2, AND ASCE 7-05, USING THE FOLLOWING PARAMETERS:

$I_p = 1.5$ (ESSENTIAL FACILITY INSTALLATIONS)
 $S_{Ds} = 1.93G$
 $A_p = 1.0$ AND $R_p = 1.5$ (ASCE TABLE 13.6-1)
 $Z, H =$ VARIES

LATERAL FORCE, $F_{P,H} = [(0.4 A_p S_{Ds} I_p W_p) / R_p] * (1 + 2 Z/H)$
 VERTICAL FORCE, $F_{P,V} = 0.2 S_{Ds} W_p$

INSTALLATION NOTES

1. RACK ENCLOSURES MAY BE ANCHORED TO EITHER A LIGHT- OR NORMAL-WEIGHT, REINFORCED CONCRETE FLOOR OR SLAB (TABLES 1-3) OR LIGHT- OR NORMAL-WEIGHT CONCRETE FILL OVER METAL DECK (TABLES 4-6). IN ALL CASES, THE MINIMUM CONCRETE COMPRESSIVE STRENGTH (F'C) SHALL BE 3,000 PSI.
2. REINFORCED CONCRETE FLOOR SLABS (OR CONCRETE FILL OVER METAL DECK) SHALL HAVE A MINIMUM THICKNESS BASED ON THE ANCHOR TYPE AS NOTED BELOW:

- HILTI HDA-P UNDERCUT ANCHORS OF 0.75" OD (M10X100)
 - MINIMUM SLAB THICKNESS OF 6-3/4"

- HILTI KWIK BOLT TZ EXPANSION ANCHORS OF 0.5" OD - MINIMUM SOLID SLAB THICKNESS OF 6"; FOR FILL, MINIMUM TOPPING THICKNESS OF 3 1/4", AND MINIMUM SOFFIT THICKNESS OF 1 1/2".

- POWERS POWER-STUD+ SD1 EXPANSION ANCHORS OF 0.5" OD - FOR FILL, MINIMUM TOPPING THICKNESS OF 3 1/4", AND MAXIMUM SOFFIT THICKNESS OF 3".

4. DOCUMENTATION VERIFYING CONCRETE COMPOSITION, STRENGTH, AND THICKNESS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY.
5. INSTALLATION OF THE RACK ENCLOSURES IS LIMITED TO INTERIOR OR ENVIRONMENTALLY PROTECTED LOCATIONS.

RACK ENCLOSURE CAPACITY TABLES

TABLE 1: MAXIMUM PERMISSIBLE CONTENT CAPACITY (POUNDS) (1),(2),(3) WITH HILTI HDA-P ANCHORS IN SOLID SLAB NORMAL- AND LIGHT-WEIGHT CONCRETE

RACK ENCLOSURE	LOCATION IN BUILDING (Z/H)			
	GROUND	1/3	2/3	ROOF
BGR-XX27	1175	1175	1175	1175
BGR-XX32	1175	1175	1175	1175
BGR-XX38	1175	1175	1175	1175
BGR-XXSA-27	1150	1150	1150	1150
BGR-XXSA-32	1150	1150	1150	1150

TABLE 2: MAXIMUM PERMISSIBLE CONTENT CAPACITY (POUNDS) (1),(2),(3) WITH HILTI KWIK BOLT TZ ANCHORS IN SOLID SLAB NORMAL-WEIGHT CONCRETE

RACK ENCLOSURE	LOCATION IN BUILDING (Z/H)			
	GROUND	1/3	2/3	ROOF
BGR-XX27	1175	1175	1175	1175
BGR-XX32	1175	1175	1175	1175
BGR-XX38	1175	1175	1175	1175
BGR-XXSA-27	1150	1150	1150	1150
BGR-XXSA-32	1150	1150	1150	1150

TABLE 3: MAXIMUM PERMISSIBLE CONTENT CAPACITY (POUNDS) (1),(2),(3) WITH HILTI KWIK BOLT TZ ANCHORS IN SOLID SLAB LIGHT-WEIGHT CONCRETE

RACK ENCLOSURE	LOCATION IN BUILDING (Z/H)			
	GROUND	1/3	2/3	ROOF
BGR-XX27	1175	1175	975	725
BGR-XX32	1175	1175	1000	725
BGR-XX38	1175	1175	1025	750
BGR-XXSA-27	1150	1150	925	675
BGR-XXSA-32	1150	1150	950	675

TABLE 4: MAXIMUM PERMISSIBLE CONTENT CAPACITY (POUNDS) (1),(2),(3) WITH 1/2" X 2" EMBED ANCHORS (4) IN NORMAL-WEIGHT CONCRETE OVER METAL DECK

RACK ENCLOSURE	LOCATION IN BUILDING (Z/H)			
	GROUND	1/3	2/3	ROOF
BGR-XX27	1175	1175	775	575
BGR-XX32	1175	1175	800	575
BGR-XX38	1175	1175	825	575
BGR-XXSA-27	1150	1150	750	525
BGR-XXSA-32	1150	1150	750	525

TABLE 5: MAXIMUM PERMISSIBLE CONTENT CAPACITY (POUNDS) (1),(2),(3) WITH 1/2" X 2" EMBED ANCHORS (4) IN LIGHT-WEIGHT CONCRETE OVER METAL DECK

RACK ENCLOSURE	LOCATION IN BUILDING (Z/H)			
	GROUND	1/3	2/3	ROOF
BGR-XX27	1125	650	425	275
BGR-XX32	1150	675	425	275
BGR-XX38	1175	700	425	275
BGR-XXSA-27	1075	625	375	250
BGR-XXSA-32	1100	625	375	250



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NEXT ASSY	DRAWN		TITLE: BGR-SERIES OSHPD
---	CIRCLED DIMENSIONS ARE CRITICAL INSPECTION DIMENSIONS UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES		
MATERIALS	TOLERANCES ARE:		PART NO.
SEE COMPONENTS	DECIMAL & PLC ±.03		PART REV.
FINISH	FRACTIONS: ±1/32		SIZE
---	ANGLES: ±1'		EXP. NO. NONE
---	SCALE: 1/8"		SVG NO.
			SVG REV.

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PAGE	4 of 5

BGR-SERIES OSHPD

TABLE 6: MAXIMUM PERMISSIBLE CONTENT CAPACITY (POUNDS) (1),(2),(3) WITH 1/2" THREADED ROD WITH STRUT IN NORMAL- AND LIGHT-WEIGHT CONCRETE OVER METAL DECK

RACK ENCLOSURE	LOCATION IN BUILDING (Z/H)			
	GROUND	1/3	2/3	ROOF
BGR-XX27	1175	1175	1175	1175
BGR-XX32	1175	1175	1175	1175
BGR-XX38	1175	1175	1175	1175
BGR-XXSA-27	1150	1150	1150	1150
BGR-XXSA-32	1150	1150	1150	1150

- FOOTNOTES FOR TABLES 1 THRU 6:
- (1) INCLUDES ALL BGR SERIES RACK ENCLOSURES UP TO A HEIGHT OF 45 RACKSPACES. (1 RACKSPACE = 1.75")
 - (2) ENCLOSURES SHALL BE ANCHORED WITH BGR-Z4 OR BGR-ISO-ANCH-Z4 SEISMIC ANCHORAGE (KIT) BRACKET. (BRACKET THICKNESS = .125"(3.2))
 - (3) ENCLOSURE CONTENTS SHALL BE DISTRIBUTED WITHIN THE RACK SUCH THAT A MINIMUM OF 50% OF THE TOTAL WEIGHT IS LOCATED WITHIN THE BOTTOM THIRD OF THE RACK, 50% OF THE REMAINDER IS LOCATED IN THE MIDDLE THIRD, AND THE REMAINING WEIGHT (NOT TO EXCEED 25% OF THE TOTAL WEIGHT) IN THE TOP THIRD.
 - (4) TABLE 5 APPLIES TO EITHER HILTI KWIK BOLT TZ OR POWERS POWER-STUD+ SD1 EXPANSION ANCHORS, BOTH WITH 1/2" DIAMETER AND 2" EMBEDMENT.

CONCRETE ANCHOR NOTES

- CONCRETE ANCHORS INSTALLED IN SOLID REINFORCED CONCRETE SLABS SHALL BE ONE OF THE FOLLOWING TWO TYPES MANUFACTURED BY HILTI, INC. OF CARBON STEEL WITH DIAMETER, EMBEDMENT, AND SPACING AS SHOWN ON THE DRAWINGS AND LISTED IN TABLE 7.
 - HILTI HDA-P (PRESET CONFIGURATION) UNDERCUT ANCHORS (ICC ESR 1546)
 - HILTI KWIK BOLT TZ (KB-TZ) EXPANSION ANCHORS (ICC ESR 1917)
- CONCRETE ANCHORS INSTALLED IN THE TOP OF CONCRETE FILL OVER METAL DECK SHALL BE ONE OF THE FOLLOWING TWO TYPES BY HILTI, INC. OR POWERS FASTENERS, INC., RESPECTIVELY, WITH THE DIAMETER, EMBEDMENT, AND SPACING AS SHOWN ON THE DRAWINGS AND LISTED IN TABLE 8.
 - HILTI KWIK BOLT TZ (KB-TZ) EXPANSION ANCHORS (ICC ESR 1917)
 - POWERS POWER-STUD+ SD1 EXPANSION ANCHORS (ICC ESR 2818)
- ALTERNATIVELY, THE INCLUDED RACKS MAY BE INSTALLED IN TOP SIDE OF CONCRETE FILL OVER METAL DECK USING THE THREADED ROD AND UNISTRUT CONNECTION AS SHOWN ON THE DRAWINGS AND LISTED IN TABLE 8.
- THE DISTANCE FROM THE ANCHOR TO THE EDGE OF CONCRETE SLAB SHALL BE GREATER THAN OR EQUAL TO THAT SPECIFIED IN TABLE 7 OR TABLE 8.
- LOCATE ALL EXISTING REINFORCING BARS WITHIN 12 INCHES OF PROPOSED ANCHOR LOCATIONS PRIOR TO DRILLING FOR CONCRETE ANCHORS. DO NOT CUT, CORE, OR DRILL THROUGH EXISTING REINFORCING BARS WITHOUT PRIOR APPROVAL FROM THE SEOR.
- ALL CONCRETE ANCHORS SHALL BE INSTALLED WITH PROPER TOOLS AND PROCEDURES IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND ICC EVALUATION SERVICE REPORTS REFERENCED ABOVE.

- TENSION TESTING OF EXPANSION ANCHORS PER 2010 CBC, 1916A.7, SHALL OCCUR 24 HOURS OR MORE AFTER INSTALLATION OF THE CONCRETE ANCHORS.
- APPLY TENSION TEST LOADS TO THE CONCRETE ANCHORS WITHOUT REMOVING THE NUT. IF NUT REMOVAL IS REQUIRED, REMOVE THE NUT AND INSTALL A THREADED COUPLER TO THE SAME TORQUE AS THE ORIGINAL NUT USING A TORQUE WRENCH AND THEN APPLY THE TEST LOAD.
- REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED IN CLOSE PROXIMITY TO THE ANCHOR BEING TESTED PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURES.
- TEST EQUIPMENT SHALL BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
- ONE HALF (50%) OF EACH APPLICATION OF CONCRETE ANCHORS SHALL BE TESTED IN TENSION FOR 3 MINUTES ACCORDING TO THE TEST LOADS SHOWN BELOW. ONE APPLICATION OF ANCHORS SHALL BE DEFINED AS THOSE ANCHORS INSTALLED BY A SINGLE CREW IN A SINGLE DAY. IF ANY ANCHOR FAILS, IT SHALL BE REPLACED, RE-TESTED, AND ALL ANCHORS IN THE SAME APPLICATION SHALL BE TESTED. IF ANY ANCHOR FAILS, ALL PREVIOUSLY UNTESTED ANCHORS INSTALLED BY THAT CREW SHALL BE TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME 50% TESTING.
- TENSION TESTING OF THE CONCRETE ANCHORS SHALL BE DONE IN THE PRESENCE OF THE INSPECTOR-OF-RECORD AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY.
- THE TENSION TEST OF AN ANCHOR SHALL BE ACCEPTED IF THERE IS NO OBSERVABLE MOVEMENT DURING THE APPLICATION OF THE TEST LOAD. A PRACTICAL WAY TO DETECT OBSERVABLE MOVEMENT IS WHETHER THE WASHER UNDER THE NUT BECOMES LOOSE.



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Reviewed By: Anthony R. Pike Date

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NEXT ASSY	DRAWN		TITLE BGR-SERIES OSHPD	
--	CIRCLED DIMENSIONS ARE CRITICAL INSPECTION DIMENSIONS UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES			
MATERIALS	TOLERANCES ARE:		PART NO.	PART REV.
SEE COMPONENTS	DECIMAL: ± .010		SIZE	EXP. NO.
	FRACTIONS: ± 1/32		3	NONE
FINISH	ANGLE: ± 1'		SVG NO.	SVG REV.
--	SCALE: 1/8"			

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PAGE	5 of 5

BGR-SERIES OSHPD

A TABLE 7: CONCRETE ANCHORS FOR SOLID REINFORCED CONCRETE SLABS

ANCHOR TYPE	OUTSIDE DIAMETER (INCHES)	MINIMUM EMBEDMENT (INCHES)	MIN EDGE DISTANCE (INCHES)	TENSION TEST LOAD (LBS)
HDA-P	3/4 (M10)	4	6	6681
KB-TZ	1/2	3.25	5.75	3968

B TABLE 8: CONCRETE ANCHORS FOR INSTALLATION IN TOP OF CONCRETE FILL OVER METAL DECK

ANCHOR TYPE	OUTSIDE DIAMETER (INCHES)	EFFECTIVE EMBEDMENT (INCHES)	MIN EDGE DISTANCE (INCHES)	TENSION TEST LOAD (LBS)
KB-TZ	1/2	2.0	4.5	1916
POWER-STUD	1/2	2.0	4.5	1916
THREADED ROD*	1/2	NA	6.0	NA

C FOOTNOTES FOR TABLES 7 & 8:

- * ABOVE TEST LOADS ARE FOR NORMAL WEIGHT CONCRETE. WHEN USED IN LIGHT-WEIGHT CONCRETE, ANCHOR TEST LOADS ARE MULTIPLIED BY 0.60.
- *TEST LOADS ARE BASED ON OSHPD 'CODE APPLICATION NOTICE' 2-1916A.8 METHOD 2; 2 TIMES THE MAXIMUM ALLOWABLE TENSION LOAD BUT NOT TO EXCEED 80% OF NOMINAL ANCHOR YIELD STRENGTH.
- *THREADED BOLT SHALL MEET REQUIREMENTS OF ASTM F1554, GRADE 36 OR STRONGER. CONNECT WITH P5500 UNISTRUT AS SHOWN.

RESPONSIBILITIES OF THE SEOR

1. THE STRUCTURAL ENGINEER-OF-RECORD (SEOR) SHALL VERIFY THAT THE WEIGHT OF RACK ENCLOSURE CONTENTS DOES NOT EXCEED THE APPROVED CAPACITY FOR THE LOCATION OF INSTALLATION.
2. THE SEOR SHALL VERIFY THAT THE EXISTING STRUCTURE IS ADEQUATE TO SUPPORT THE LOADS AND REACTIONS IMPOSED BY THE ANCHORED RACK ENCLOSURE IN ADDITION TO ALL OTHER LOADS AND FORCES.
 - MAXIMUM SHEAR PER ANCHOR: 403 POUNDS
 - MAXIMUM TENSION PER ANCHOR: 1753 POUNDS
3. FOR STRUT CONNECTIONS, SEOR SHALL DESIGN STRUT AND CONNECTION TO BOTTOM OF FLUTE. EACH FLUTE ANCHOR MUST BE ABLE TO RESIST A SHEAR LOAD OF 0.6 TIMES MAXIMUM SHEAR (ABOVE) TIMES THE NUMBER OF THRU BOLTS ENGAGED BY THE STRUT.
4. THE SEOR SHALL DETERMINE THE FOLLOWING:
 - A. THE MODEL NUMBER OF THE UNIT TO BE USED.
 - B. THE ELEVATION OF THE ROOF, H.
 - C. THE ELEVATION OF THE FLOOR WHERE THE UNIT WILL BE INSTALLED ON, Z.
5. THE SEOR SHALL THEN DETERMINE THE RATIO OF Z/H AND CONSULT THE APPLICABLE TABLE TO DETERMINE THE MAXIMUM WEIGHT OF THE CONTENTS THAT CAN BE STORED ON THE RACK.

6. SEOR SHALL VERIFY THAT A PLACARD IS PLACED ON THE RACK STATING THE FOLLOWING:

- A. UNIT MODEL NUMBER.
 - B. NAME OF THE BUILDING IN WHICH IT WILL BE INSTALLED.
 - C. HIGHEST FLOOR WHERE IT CAN BE USED.
 - D. MAXIMUM TOTAL WEIGHT OF THE CONTENTS THAT CAN BE STORED ON THE RACK.
 - E. MAXIMUM WEIGHT THAT CAN BE STORED ON EACH SHELF AND CORRESPONDING HEIGHT OF EACH SHELF, BASED ON THE WEIGHT DISTRIBUTION SPECIFIED IN THIS OPA, (SEE FOOTNOTE 3, SHEET 4)
7. SEOR SHALL VERIFY THAT THE CONCRETE FLOOR MEETS THE REQUIREMENTS OF THIS PRE-APPROVAL.
 8. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS ALL REQUIREMENTS OF THE APPLICABLE ICC ESR.
 9. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS.
 10. VERIFY THAT ALL NEW OR EXISTING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE ANCHORS SHOWN IN THIS PRE-APPROVAL. VERIFY THAT THERE IS NO ADVERSE INTERACTION WHERE OTHER ANCHORS ARE WITHIN 18" OR 6HEF FROM THIS UNIT'S ANCHORS.
 11. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2010 CBC AND THE DETAILS SHOWN IN THIS PRE-APPROVAL.
 12. VERIFY THAT THE MATERIAL AND GAGE OF THE UNITS WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PRE-APPROVAL DOCUMENTS.



APPROVED
Fixed Equipment Anchorage
Office of Statewide Health Planning and Development

OPA-2710-10
Pre-approval Program Manager
Anthony R. Pike
(916) 440-8470

Anthony R. Pike 7/24/13
Reviewed By: Anthony R. Pike Date

USED ON	APPROVALS	DATE	
--	MODELED		
NEXT ASSY	DRAWN		TITLE BGR-SERIES OSHPD
--	CIRCLED DIMENSIONS ARE CRITICAL INSPECTION DIMENSIONS UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES		
MATERIAL	TOLERANCES ARE:		PART NO.
SEE COMPONENTS	DECIMAL: ± .010		PART REV
FINISH	FRACTIONS: 1/32		SIZE
--	ANGLES: 30°		EXP NO.
--	SCALE = 1/8"		NONE
			SVG NO.
			SVG REV