

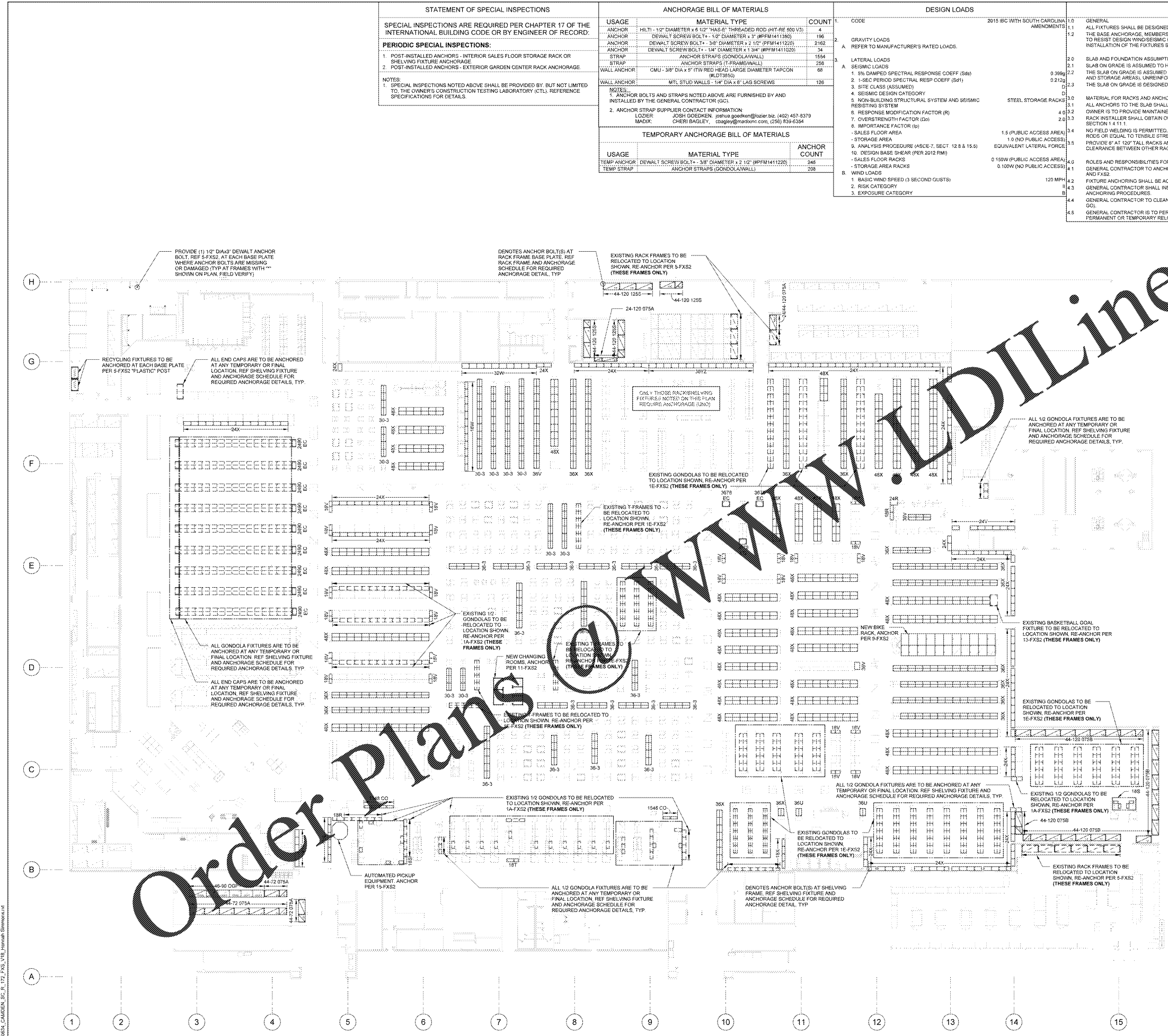
STATEMENT OF SPECIAL INSPECTIONS		
SPECIAL INSPECTIONS ARE REQUIRED PER CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE OR BY ENGINEER OF RECORD.		
PERIODIC SPECIAL INSPECTIONS:		
1. POST-INSTALLED ANCHORS - INTERIOR SALES FLOOR STORAGE RACK OR SHELVING FIXTURE ANCHORAGE		
2. POST-INSTALLED ANCHORS - EXTERIOR GARDEN CENTER RACK ANCHORAGE		
NOTES: 1. SPECIAL INSPECTIONS NOTED ABOVE SHALL BE PROVIDED BY, BUT NOT LIMITED TO, THE OWNER'S CONSTRUCTION TESTING LABORATORY (CTL). REFERENCE SPECIFICATIONS FOR DETAILS.		

ANCHORAGE BILL OF MATERIALS		
USAGE	MATERIAL TYPE	COUNT
ANCHOR	HLTI - 1/2" DIAMETER x 6 1/2" HAS-E" THREADED ROD (WIT-RE 800 V3)	4
ANCHOR	DEWALT SCREW BOLT - 1/2" DIAMETER x 3" (PFM141130)	196
ANCHOR	DEWALT SCREW BOLT - 3/8" DIAMETER x 2 1/2" (PFM141120)	2162
ANCHOR	DEWALT SCREW BOLT - 1/4" DIAMETER x 1 3/4" (PFM1411020)	34
STRAP	ANCHOR STRAPS (GONDOLA/WALL)	1554
STRAP	ANCHOR STRAPS (FRAME/WALL)	256
WALL ANCHOR	CMU - 3/8" DIA x 9" (TW RED) HEAD LARGE DIAMETER TAPCON (MLDT345)	68
WALL ANCHOR	MTL STUD WALLS - 1/4" DIA x 8" LAG SCREWS	126
NOTES: 1. ANCHOR BOLTS AND STRAPS NOTED ABOVE ARE FURNISHED BY AND INSTALLED BY THE GENERAL CONTRACTOR (GC). 2. ANCHOR STRAP SUPPLIER CONTACT INFORMATION LOOPER JOSH GOREKIN jgorekin@loopercorp.com (402) 457-8379 MADIX CHERI BAGLEY cbagley@madixinc.com (256) 839-6364		

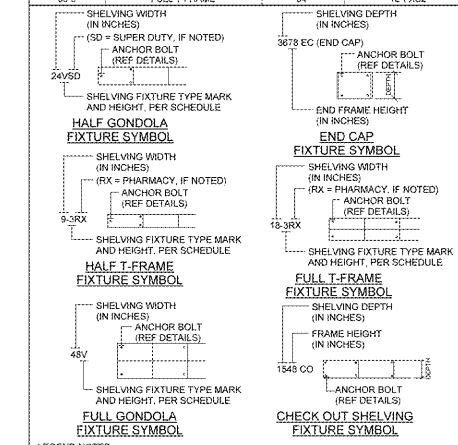
TEMPORARY ANCHORAGE BILL OF MATERIALS		
USAGE	MATERIAL TYPE	ANCHOR COUNT
TEMP ANCHOR	DEWALT SCREW BOLT - 3/8" DIAMETER x 2 1/2" (PFM141120)	245
TEMP STRAP	ANCHOR STRAPS (GONDOLA/WALL)	338

DESIGN LOADS	
1. CODE	2015 IBC WITH SOUTH CAROLINA AMENDMENTS
2. GRAVITY LOADS	A. REFER TO MANUFACTURER'S RATED LOADS.
3. LATERAL LOADS	A. SEISMIC LOADS 1. 5% DAMPED SPECTRAL RESPONSE COEFF (SDS) 2. 1-SEED PERIOD SPECTRAL RESP COEFF (Sd1) 3. SITE CLASS (ASSUMED) 4. SEISMIC DESIGN CATEGORY 5. NON-BUILDING STRUCTURAL SYSTEM AND SEISMIC RESISTING SYSTEM 6. RESPONSE MODIFICATION FACTOR (R) 7. OVERSTRENGTH FACTOR (Os) 8. IMPORTANCE FACTOR (Ip) B. WIND LOADS 1. BASIC WIND SPEED (3 SECOND GUSTS) 2. RISK CATEGORY 3. EXPOSURE CATEGORY
4. STEEL STORAGE RACKS	1.5 (PUBLIC ACCESS AREA) 1.0 (NO PUBLIC ACCESS) EQUIVALENT LATERAL FORCE
5. SHELVING FIXTURES	0.150W (PUBLIC ACCESS AREA) 0.100W (NO PUBLIC ACCESS)
6. SHELVING FIXTURES	120 MPH B 4.3

GENERAL NOTES	
1.1	GENERAL FIXTURES SHALL BE DESIGNED TO MEET ALL BUILDING CODE REQUIREMENTS.
1.2	THE BASE ANCHORAGE, MEMBERS AND CONNECTIONS FOR THE FIXTURES SHOWN ON THIS INSTALLATION DRAWING HAVE BEEN DESIGNED TO RESIST DESIGN WIND/SEISMIC LATERAL FORCES FOR THE BUILDING CODES NOTED IN THE "DESIGN LOADS" TABLE ON THIS SHEET. INSTALLATION OF THE FIXTURES SHALL MEET THE LAYOUT SHOWN ON THE FIXTURE LAYOUT PLAN, PROVIDED BY OWNER.
2.0	SLAB AND FOUNDATION ASSUMPTIONS
2.1	SLAB ON GRADE IS ASSUMED TO HAVE A MINIMUM OF 3,000 PSI COMPRESSIVE STRENGTH.
2.2	THE SLAB ON GRADE IS ASSUMED TO BE A MINIMUM OF 4 INCHES THICK & 12 INCHES THICK MINIMUM AT THE EXTERIOR GARDEN CENTER AND STORAGE AREAS, UNREINFORCED AND PLACED OVER A MINIMUM OF 4 INCHES OF DRAINAGE FILL.
2.3	THE SLAB ON GRADE IS DESIGNED TO BEAR ON A SUBGRADE REACTION MODULUS OF 150 PCI MINIMUM.
3.0	MATERIAL FOR RACKS AND ANCHORAGE
3.1	ALL ANCHORS TO THE SLAB SHALL BE AS NOTED ON THESE PLANS.
4.0	OWNER IS TO PROVIDE MAINTENANCE PER RM 1.4.1.
4.1	RACK INSTALLER SHALL OBTAIN OUT-OF-PLUMB INSTALLATION TOLERANCE FROM FIXTURE SUPPLIER PRIOR TO INSTALLATION - RM 2012, SECTION 4.1.1.
4.2	NO FIELD WELDING IS PERMITTED. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS, IN AN APPROVED SHOP. USE E70xx WELD RODS OR EQUAL TO TENSILE STRENGTH OF BASE METAL OF WELLEMENTS PER AWS D1.1 OR D1.3.
4.3	PROVIDE AT 12" TALL RACKS AND 4 1/2" TALL RACKS LESS THAN 12" OR EQUAL TO 5% OF THE UPRIGHT FRAME HEIGHT) MINIMUM CLEARANCE BETWEEN OTHER RACK FIXTURES OR ADJACENT BUILDING ELEMENTS PER ASCE 7-10, SECTION 15.5.3.8.
4.4	ROLES AND RESPONSIBILITIES FOR DEMOLITION AND INSTALLATION OF SHELVING AND RACKING FIXTURES
4.5	GENERAL CONTRACTOR TO ANCHOR ALL SHELVING AND RACKING FIXTURES ACCORDING TO THE REQUIREMENTS NOTED ON SHEETS FXS1 AND FXS2.
4.6	FIXTURE ANCHORING SHALL BE ACCOMPLISHED SIMULTANEOUSLY WITH FIXTURE INSTALLATION.
4.7	GENERAL CONTRACTOR SHALL INSURE THAT PROPER PROCEDURES AND WORK SEQUENCING ARE IN PLACE DURING ALL FIXTURE ANCHORING PROCEDURES.
4.8	GENERAL CONTRACTOR TO CLEAN ALL RESIDUE FROM SURROUNDING FIXTURES AREA AFTER ANCHORING IS COMPLETE (CLEAN AS YOU GO).
4.9	GENERAL CONTRACTOR IS TO PERFORM ALL REMOVAL AND INSTALLATION OF ANCHOR STRAPS & BOLTS AT FIXTURES REQUIRING PERMANENT OR TEMPORARY RELOCATION.



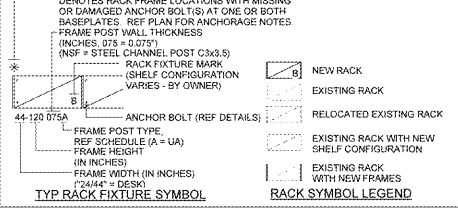
SHELVING FIXTURE ANCHORAGE SCHEDULE			
FIXTURE MARK	FIXTURE DESCRIPTION	FIXTURE HEIGHT	ANCHORAGE DETAIL
CO	CHECK OUT FRAME	48"	1A-FXS2
18S	HALF GONDOLA	48"	1A-FXS2
24V	HALF GONDOLA	48"	1A-FXS2
18T	HALF GONDOLA	60"	1A-FXS2
18V	HALF GONDOLA	78"	1A-FXS2
24V	HALF GONDOLA	78"	1A-FXS2
18V	HALF GONDOLA	78"	1A-FXS2
18V	HALF GONDOLA	94"	1A-FXS2
32V	HALF GONDOLA	84"	1A-FXS2
18X	HALF GONDOLA	90"	1A-FXS2
24X	HALF GONDOLA	90"	1A-FXS2
30Y	HALF GONDOLA	120"	1A-FXS2
3678 EC	END CAP	78"	1C-FXS2
2490 EC	END CAP	90"	1C-FXS2
36U	FULL GONDOLA	96"	1E-FXS2
36V	FULL GONDOLA	78"	1E-FXS2
36X	FULL GONDOLA	90"	1E-FXS2
48X	FULL GONDOLA	90"	1E-FXS2
30-3	FULL T-FRAME	84"	1E-FXS2
36-3	FULL T-FRAME	84"	1E-FXS2



LEGEND NOTES:
1. ANCHORS SHOWN ABOVE ARE FOR EXAMPLE ONLY. REFER TO PLAN AND DETAILS FOR FINAL ANCHOR CONFIGURATION.
2. NOT ALL SYMBOLS SHOWN MAY BE APPLICABLE TO THIS PROJECT.

RACK FIXTURE SCHEDULE				
FIXTURE MARK	FIXTURE DESCRIPTION	FIXTURE HEIGHT	FRAME MARK	MAX SHELF LOAD (LBS)
B	STORAGE RACK	120"	FRAME 44-120 125S	5000
BA2	DESK STORAGE RACK	120"	FRAME 2444-120 075A	1200
D	STORAGE RACK	120"	FRAME 24-120 075A	1200
FB	STORAGE RACK	120"	FRAME 44-120 125S	1200
HAZ	STORAGE RACK	120"	FRAME 44-120 125S	2500
C	STORAGE RACK	72"	FRAME 44-72 075A	1200
CH2P	STORAGE RACK	90"	FRAME 48-90 05P	600
YZ	INTERIOR GARDEN CENTER RACK	120"	FRAME 44-120 075B	1200

RACK FRAME AND ANCHORAGE SCHEDULE		
FRAME MARK	ANCHOR DETAIL	FRAME COUNT
24-120 075A	2-FXS2	3
2444-120 075A	2-FXS2	2
44-72 075A	2-FXS2	14
44-120 075B	2-FXS2	31
44-120 125S	2-FXS2	15
48-90 05P	2-FXS2	7



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Wallace
ENGINEERING CONSULTANTS, LLC
1000 W. 10TH STREET, SUITE 100
CAMDEN, SC 29202
TEL: 803.733.1111
WWW.WALLACEENGINEERINGCONSULTANTS.COM

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FIXTURE ANCHORAGE PLAN AND NOTES

SHEET: FXS1

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