

**GENERAL NOTES**

- 1.0 GENERAL
  - 1.1 JOHNSTON BURKHOLDER ASSOCIATES HAS DESIGNED THE BASE ANCHORAGE FOR THE FIXTURES SHOWN ON THIS INSTALLATION DRAWING TO RESIST SEISMIC LATERAL FORCES. INSTALLATION OF THE FIXTURES SHALL MEET THE LAYOUT SHOWN ON THE FIXTURE LAYOUT PLAN PROVIDED BY OWNER.
- 2.0 SLAB AND FOUNDATION
  - 2.1 SLAB ON GRADE IS ASSUMED TO HAVE A MINIMUM OF 3,500 PSI COMPRESSIVE STRENGTH.
  - 2.2 THE SLAB ON GRADE IS ASSUMED TO BE A MINIMUM OF 4 INCHES THICK (5.12 INCHES THICK MINIMUM AT 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 NET SOIL BEARING CAPACITY OF 1500 PSF MINIMUM.
- 3.0 MATERIAL FOR RACKS AND ANCHORAGE
  - 3.1 ALL ANCHORS TO THE SLAB SHALL BE AS NOTED ON THESE PLANS.
  - 3.2 OWNER IS TO PROVIDE MAINTENANCE PER RMR 1.4.1
  - 3.3 FIXTURE INSTALLER SHALL OBTAIN OUT-OF-PLUMB INSTALLATION TOLERANCE FROM FIXTURE SUPPLIER PRIOR TO INSTALLATION PER RMR SECTION 1.4.1.1
  - 3.4 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 WELDMENTS. PER AWS D1.1 OR D1.3
  - 3.5 PROVIDE 4" AT 120" TALL RACKS AND 4 1/2" AT RACKS LESS THAN 120" (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.
- 4.0 ROLES AND RESPONSIBILITIES FOR DEMOLITION AND INSTALLATION OF SHELVING AND RACKING FIXTURES
  - 4.1 GENERAL CONTRACTOR TO ANCHOR ALL SHELVING AND RACKING FIXTURES ACCORDING TO THE REQUIREMENTS NOTED ON SHEETS FXS1 AND FXS2
  - 4.2 FIXTURE ANCHORING SHALL BE ACCOMPLISHED SIMULTANEOUSLY WITH FIXTURE INSTALLATION.
  - 4.3 GENERAL CONTRACTOR SHALL ENSURE THAT PROPER PROCEDURES AND WORK SEGREGATION ARE IN PLACE DURING ALL FIXTURE ANCHORING PROCEDURES.
  - 4.4 GENERAL CONTRACTOR TO CLEAN ALL RESIDUE FROM SURROUNDING FIXTURES AND AREA AS ANCHORING IS COMPLETED (CLEAN AS YOU GO).
  - 4.5 GENERAL CONTRACTOR IS TO PERFORM ALL REMOVAL AND INSTALLATION OF ANCHOR STRAPS AND/OR BOLTS AT FIXTURES REQUIRING PERMANENT OR TEMPORARY RELOCATION.

**RACK FIXTURE SCHEDULE**

FIXTURE MARK	DESCRIPTION	TOP SHELF HEIGHT	FRAME MARK	MAX SHELF LOAD (LBS)
AM	LOCKABLE STORAGE RACK	120"	FRAME: 44-120-075A	2500
DD	STORAGE RACK	72"	FRAME: 24-72-075A	1200
GN	LOCKABLE STORAGE RACK	120"	FRAME: 44-120-075A	2500
O	STORAGE RACK	72"	FRAME: 44-72-075A	1200
OGP2	STORAGE RACK	90"	FRAME: 22-90-OGP	800
OGP2	STORAGE RACK	90"	FRAME: 30-90-OGP	900
YZ	SALES FLOOR RACK	120"	FRAME: 44-120-075B	1200

DENOTES RACK FRAME LOCATIONS WITH MISSING OR DAMAGED ANCHOR BOLTS AT ONE OR BOTH BASE PLATES. REF PLAN FOR ANCHORAGE NOTES.

44-120-075 A — ANCHOR BOLT (REF DETAILS)  
 — RACK FIXTURE MARK (SHELF CONFIGURATION VARIES - BY OWNER)  
 — FRAME POST TYPE, REF SCHEDULE (A = UA)  
 — FRAME POST WALL THICKNESS (INCHES, 075 = 0.075")  
 — FRAME HEIGHT (IN INCHES)  
 — FRAME DEPTH (IN INCHES) (\*24"4" = 0.025")

**RACK SYMBOL LEGEND**

- NEW RACK
- EXISTING RACK
- RELOCATED EXISTING RACK
- EXISTING RACK WITH NEW SHELF CONFIGURATION
- EXISTING RACK WITH NEW FRAMES

**RACK FRAME & ANCHORAGE SCHEDULE**

FRAME MARK	ANCHOR DETAIL	FRAME COUNT
22-90 OGP	2-FXS2 & 5C-FXS2	3
24-72-075A	2-FXS2 & 5A-FXS2	6
24-120-075A	2-FXS2 & 5A-FXS2	2
44-72-075A	2-FXS2 & 5A-FXS2	3
44-120-075A	2-FXS2 & 5A-FXS2	4
44-120-075B	2-FXS2 & 5B-FXS2	11
44-120-125S	2-FXS2 & 5A-FXS2	5
50-90 OGP	2-FXS2 & 5C-FXS2	4

**ANCHORAGE BILL OF MATERIALS**

USAGE	MATERIAL TYPE	COUNT
ANCHOR	DEWALT SCREW BOLT - 1/2" DIAMETER x 3" (RPFM1411380)	260
ANCHOR	DEWALT SCREW BOLT - 1/4" DIAMETER x 1 3/4" (RPFM1411020)	20
ANCHOR	DEWALT SCREW BOLT - 3/8" DIAMETER x 2 1/2" (RPFM1411220)	254
STRAP	ANCHOR STRAPS (GONDOLA)	124
WALL ANCHOR	MTL STUD WALLS - 1/4" DIA x 6" LAG SCREWS	68

NOTES:  
 1. ANCHOR BOLTS AND STRAPS AS NOTED ARE FURNISHED BY AND INSTALLED BY THE GENERAL CONTRACTOR (GC).  
 2. ANCHOR STRAP SUPPLIER CONTACT INFORMATION:  
 LOOPER, JOSE COLEMAN, jcolem@loopers.com, (402) 457-8379  
 MADIX, CHERI BAGLEY, cbagley@madixinc.com, (256) 639-6354

**TEMPORARY ANCHORAGE BILL OF MATERIALS**

USAGE	MATERIAL TYPE	COUNT
TEMP ANCHOR	DEWALT SCREW BOLT - 3/8" DIAMETER x 2 1/2" (RPFM1411220)	155
TEMP STRAP	ANCHOR STRAPS (GONDOLA)	124

**SHELVING FIXTURE & ANCHORAGE SCHEDULE**

FIXTURE MARK	DESCRIPTION	FIXTURE HEIGHT	ANCHORAGE DETAIL
18S	HALF GONDOLA	54"	1A-FXS2
18V	HALF GONDOLA	72"	1A-FXS2
18X	HALF GONDOLA	90"	1A-FXS2
24U	HALF GONDOLA	96"	1A-FXS2
24V	HALF GONDOLA	78"	1A-FXS2
24W	HALF GONDOLA	94"	1A-FXS2
24X	HALF GONDOLA	90"	1C-FXS2
24XSD	SUPER DUTY HALF GONDOLA	90"	1C-FXS2
30VZ	HALF GONDOLA	120"	1A-FXS2
2478 EC	END CAP	78"	1B-FXS2
2490 EC	END CAP	90"	1B-FXS2
3648 EC	END CAP	48"	1B-FXS2
3678 EC	END CAP	78"	1B-FXS2
3690 EC	END CAP	90"	1B-FXS2

(SD = SUPER DUTY, IF NOTED)  
 SHELVING DEPTH (IN INCHES)  
 END FRAME HEIGHT (IN INCHES)  
 ANCHOR BOLT (REF DETAILS)  
 SHELVING FIXTURE TYPE MARK AND HEIGHT, PER SCHEDULE AND SHELVING WIDTH (IN INCHES)  
 HALF GONDOLA FIXTURE SYMBOL  
 ANCHOR BOLT SYMBOL

NOTE: ANCHORS SHOWN ARE FOR EXAMPLE ONLY. REFER TO PLAN AND DETAILS FOR ACTUAL ANCHOR CONFIGURATION.

STIPULATION FOR THE CONTRACTOR TO VERIFY THE EXISTING CONDITIONS AND TO BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

CONSULTANTS  
**JOHNSTON BURKHOLDER ASSOCIATES**  
 161 CAMP CREEK HWY., SUITE 200  
 GORDONSVILLE, VA 22983  
 (800) 762-7223

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 GORDONSVILLE, VA  
 161 CAMP CREEK HWY., SUITE 200  
 GORDONSVILLE, VA 22983  
 STORE NO. 4882-2203  
 PHOTO: 11-17-25  
 JOB NUMBER: 143 SGROR

**ISSUE BLOCK**

NO.	DESCRIPTION	DATE

CHECKED BY: DGH  
 DRAWN BY: ZFR  
 PROTO CYCLE: 02/29/18  
 DOCUMENT DATE: 04/10/18  
 JBA PROJECT NO: 1715004862

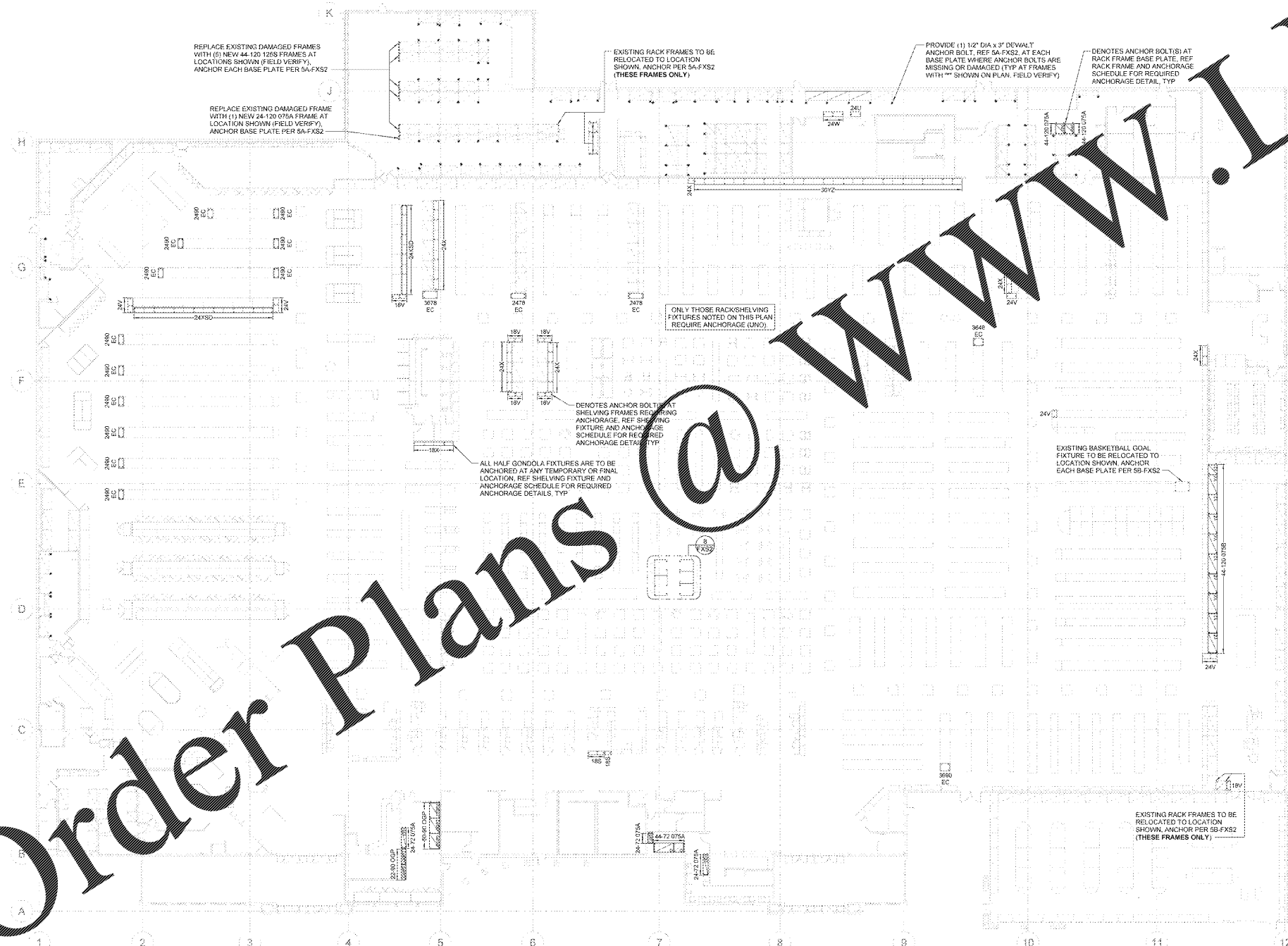
**OWNER PROVIDED INFORMATION**  
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**FIXTURE ANCHORAGE PLAN AND NOTES**

SHEET: **FXS1**

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**1 RACK AND SHELVING FIXTURE ANCHOR PLAN**  
 1" = 20'-0"