

LIGHT GAGE FRAMING - CROSS REFERENCE GUIDE

MIL THICKNESS - GAGE NUMBER CROSS REFERENCE

26 GA. ----- 18 MIL	16 GA. ----- 54 MIL
22 GA. ----- 27 MIL	14 GA. ----- 68 MIL
20 GA. ----- 33 MIL	12 GA. ----- 97 MIL
18 GA. ----- 43 MIL	

EXAMPLE CROSS REFERENCE:

3 5/8", 18 GA STRUCTURAL METAL STUD = 362 S 162 - 43 METAL STUD
STUD (S=STUD) FLANGE STUD
DEPTH (T=TRACK) WIDTH THICKNESS
=3.625" =1.625" =43 MIL (18 GA.)
=3 5/8" =1 5/8"

TYPICAL STRUCTURAL STUDS AND TRACKS

FORMER STANDARD DESIGNATION	NEW SSMA DESIGNATION (STEEL STUD MANUFACTURERS ASSOCIATION)
2 1/2", 20 GA. STUD w/ 1 5/8" FLANGE	250S162-33
2 1/2", 18 GA. STUD w/ 1 5/8" FLANGE	250S162-43
3 5/8", 20 GA. STUD w/ 1 5/8" FLANGE	362S162-33
3 5/8", 18 GA. STUD w/ 1 5/8" FLANGE	362S162-43
6", 20 GA. STUD w/ 1 5/8" FLANGE	600S162-33
6", 18 GA. STUD w/ 1 5/8" FLANGE	600S162-43
8", 16 GA. STUD w/ 1 5/8" FLANGE	800S162-54
10", 18 GA. STUD w/ 1 5/8" FLANGE	1000S162-43
10", 16 GA. STUD w/ 1 5/8" FLANGE	1000S162-54
12", 16 GA. STUD w/ 1 5/8" FLANGE	1200S162-54
12", 12 GA. STUD w/ 1 5/8" FLANGE	1200S162-97

1 5/8", 22 GA. TRACK w/ 1 1/4" LEG	162T125-27
1 5/8", 20 GA. TRACK w/ 1 1/4" LEG	162T125-33
2 1/2", 20 GA. TRACK w/ 1 1/4" LEG	250T125-33
2 1/2", 20 GA. TRACK w/ 2" LEG	250T200-33
2 1/2", 18 GA. TRACK w/ 1 1/4" LEG	250T125-43
2 1/2", 18 GA. TRACK w/ 2" LEG	250T200-43
3 5/8", 20 GA. TRACK w/ 1 1/4" LEG	362T125-33
3 5/8", 20 GA. TRACK w/ 2" LEG	362T200-33
3 5/8", 18 GA. TRACK w/ 1 1/4" LEG	362T125-43
3 5/8", 18 GA. TRACK w/ 2" LEG	362T200-43
6", 20 GA. TRACK w/ 1 1/4" LEG	600T125-33
6", 20 GA. TRACK w/ 2" LEG	600T200-33
6", 18 GA. TRACK w/ 1 1/4" LEG	600T125-43
6", 18 GA. TRACK w/ 2" LEG	600T200-43

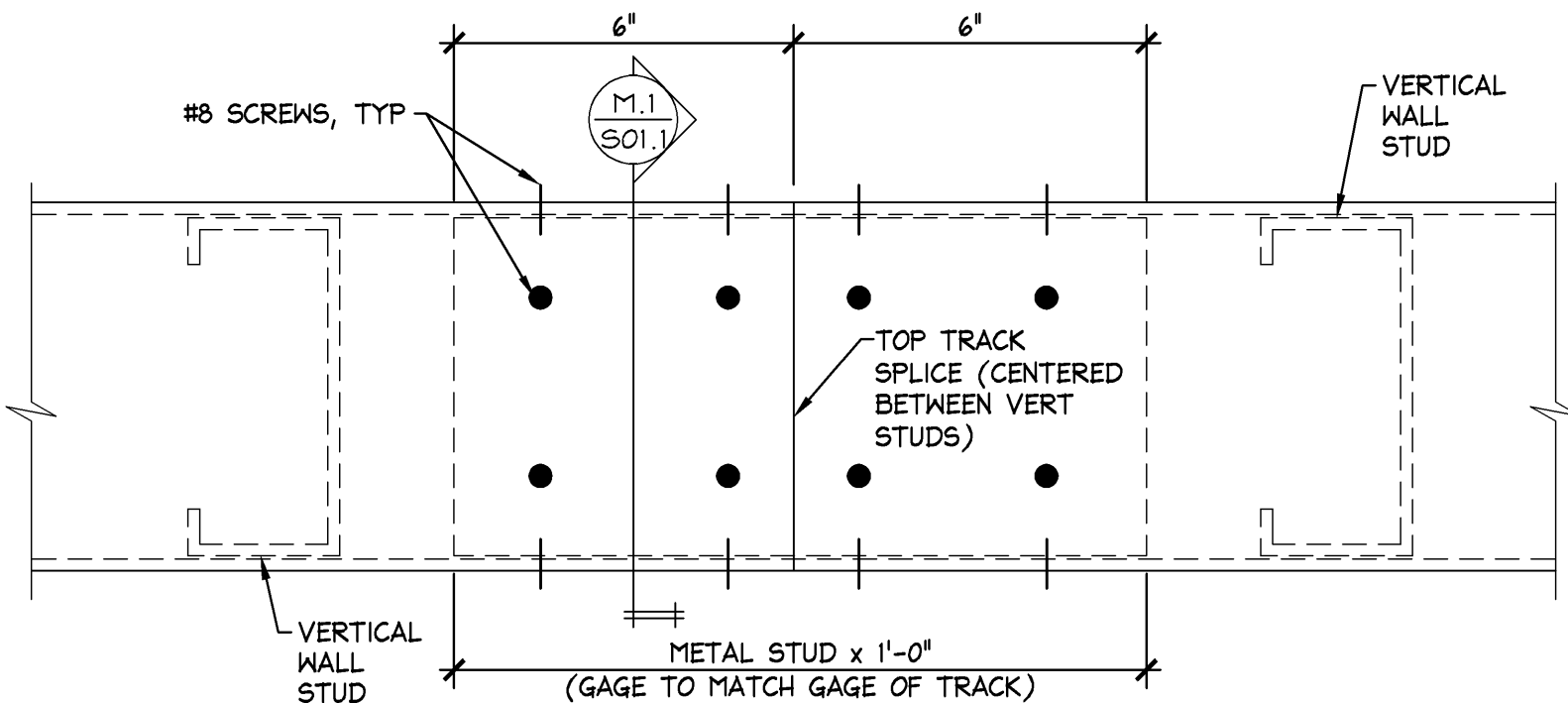
TYPICAL HAT (FURRING) CHANNELS

7/8", 25 GA. FURRING CHANNEL	087F125-18
7/8", 22 GA. FURRING CHANNEL	087F125-27

LIGHT GAGE FRAMING SCREW CONNECTIONS

UNLESS NOTED, LIGHT GAGE FRAMING CONNECTIONS SHALL BE MADE USING #8 SCREWS.
SEE DETAIL A/S03.1 FOR DIAGONAL BRACING CONNECTIONS.

AT LOCATIONS WHERE SHEATHING MATERIAL IS PLACED AGAINST THE SCREW HEADS OF
LIGHT GAGE METAL FRAMING CONNECTIONS, PANCAKE HEAD SCREWS SHALL BE USED SO
THAT THE SHEATHING MATERIAL REMAINS STRAIGHT AND SMOOTH.



TOP TRACK SPLICE

N.T.S.
42DS011MODETL M

CODED NOTES:

① NOT USED

② DBL 8" DP, 16 GA BEAM WITH
3 5/8", 16 GA TRACK TOP &
BOTTOM

#8 SCREW @
12" c/c

③ DBL 10" DP, 16 GA BEAM
WITH 3 5/8", 16 GA TRACK
TOP & BOTTOM

#8 SCREW @
12" c/c

④ DBL 12" DP, 16 GA BEAM
WITH 3 5/8", 16 GA TRACK
TOP & BOTTOM. (PROVIDE 14
GA WEB STIFFENER AT ALL
BEAM BEARING POINTS.
INSTALL PER
MANUFACTURER'S
RECOMMENDATIONS.)

#8 SCREW @
12" c/c

⑤ BUILT-UP BOX COLUMN (HUNG FROM
STRUCTURE ABOVE) - DBL 3 5/8" DP,
18 GA STUDS WITH 3 5/8", 18 GA
TRACK, EA SIDE. SEE DETAIL L/S02.1.

#8 SCREW @
12" c/c

⑥ BUILT-UP BOX COLUMN - DBL 3 5/8" DP,
20 GA STUDS WITH 3 5/8", 20 GA
TRACK, EA SIDE. ATTACH BOX COLUMN
TO BEAM PER DETAIL C/S03.1, UNLESS
NOTED.

#8 SCREW @
12" c/c

STRUCTURAL NOTES:

A. CONTROLLING BUILDING CODE: 2010 FLORIDA BUILDING CODE
SEISMIC DESIGN CATEGORY 'A'

B. LIGHT GAGE FRAMING

- COLD FORMED STEEL FRAMING SHALL CONFORM TO REQUIREMENTS OF THE
LATEST EDITION OF AISI SPECIFICATION FOR DESIGN OF COLD-FORMED
STEEL STRUCTURAL MEMBERS.
- ALL MEMBERS SHALL BE FORMED FROM CORROSION-RESISTANT STEEL
(GRADE 33 UNLESS OTHERWISE SPECIFIED) AND THEN ZINC COATED PER
ASTM A653-94, GRADE G-60.
- ALL COLD FORMED MEMBERS SHALL COME FROM A SINGLE MANUFACTURER,
'CLARK' OR EQUAL. THE INSTALLATION SHALL COMPLY WITH THE
MANUFACTURER'S RECOMMENDATIONS.
- UNLESS NOTED, TRACK GAGE SHALL EQUAL STUD GAGE AND TRACK
FLANGE WIDTH SHALL EQUAL 1 1/4". DEEP LEG TRACK WITH 2" FLANGE
WIDTH SHALL BE USED WHERE NOTED ON DRAWINGS.
- SEE DETAIL R/S01.1 FOR LIGHT GAGE METAL FRAMING DESIGNATIONS.
- BASE TRACKS SHALL BE SET ON SMOOTH AND LEVEL CONCRETE OR
NON-SHRINK GROUT SUCH AS 'MASTERFLOW 713' BY MASTER BUILDERS.
- FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING CADMIUM
PLATED OR ZINC COATED SCREWS (UNLESS NOTED). SCREWS SHALL BE
OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION.

SEE DETAIL R/S01.1 FOR ADDITIONAL SCREW REQUIREMENTS.
- SPLICES IN FRAMING COMPONENTS OTHER THAN BOTTOM WALL TRACK ARE
NOT PERMITTED, EXCEPT AS SPECIFICALLY DETAILED IN STRUCTURAL
DRAWINGS. SEE DETAIL M/S01.1 FOR TOP TRACK SPLICE DETAIL.
- STUDS SHALL BE INSTALLED SO THE ENDS ARE POSITIONED AGAINST THE
INSIDE OF THE RUNNER TRACK WEB PRIOR TO FASTENING AND SHALL BE
ATTACHED TO BOTH FLANGES OF THE UPPER AND LOWER RUNNER TRACKS,
WITH (1)-#8 SCREW IN EACH FLANGE OF EACH STUD, UNLESS NOTED.

LIGHT GAGE METAL FRAMING

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R

CODED NOTES

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L

STRUCTURAL SPECIFICATIONS

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TABLE 1

STUD SIZE MATRIX FOR ALL INTERIOR PARTITIONS
EXCEPT AS NOTED IN TABLES 2 & 3

SEISMIC DESIGN CATEGORIES A, B & C.

STUD DESIGNATION	STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM WALL HEIGHT SPANNING FROM FLOOR TO DECK
362S162-33	3 5/8"	1 5/8"	20	16"	22'-0"
362S162-43	3 5/8"	1 5/8"	18	16"	25'-0"
362S162-54	3 5/8"	1 5/8"	16	16"	28'-0"
600S162-33	6"	1 5/8"	20	16"	30'-0"
600S162-43	6"	1 5/8"	18	16"	35'-0"
600S162-54	6"	1 5/8"	16	16"	38'-0"

TABLE 2

STUD SIZE MATRIX FOR UNIT 1 & UNIT 5 CABINET WALLS

SEISMIC DESIGN CATEGORIES A, B & C.

FULL HEIGHT VERTICAL STUDS SHALL BE 3 5/8", 20 GA STUDS
(WITH 1 5/8" FLANGE) @ 16" O.C. MAX. INSTALL DIAGONAL BRACING AT
APPROXIMATELY IT-8" A.F.F. AS SHOWN IN THESE SECTIONS

TABLE 3

STUD SIZE MATRIX FOR PARTITIONS THAT LATERALLY
SUPPORT FLOOR MOUNTED STOCKROOM SHELVING

SEISMIC DESIGN CATEGORIES A, B & C.

SEE DRAWING S03.2

NOTE: FOR ALL THREE TABLES ABOVE, AT LOCATIONS WHERE SHELVING
OCCURS ON EACH SIDE OF A SINGLE STUD WALL, REDUCE THE STUD
SPACING SHOWN IN THE TABLES ABOVE BY ONE-HALF, AND REDUCE THE
DIAGONAL SPACING SHOWN IN DETAIL A/S03.1 BY ONE-HALF.

- NOTES:
- DESIGN BASED ON ALLOWABLE DEFLECTION OF L/200.
 - DESIGN BASED ON $F_y = 33$ KSI FOR 3 5/8" & 6" STUDS LESS THAN 16 GAUGE.
 $F_y = 50$ KSI FOR 3 5/8", 16 GAUGE.
 - PROVIDE HORIZONTAL BRIDGING @ 5'-0" O.C. MAX. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 - DESIGN BASED ON MINIMUM 5 PSF LATERAL LOAD, OR LATERAL SEISMIC LOAD, WHICHEVER
CONTROLS.
 - TABLE IS VALID FOR UP TO (2) LAYERS OF 5/8" THK GYPSUM BOARD ON EACH SIDE OF METAL STUDS.

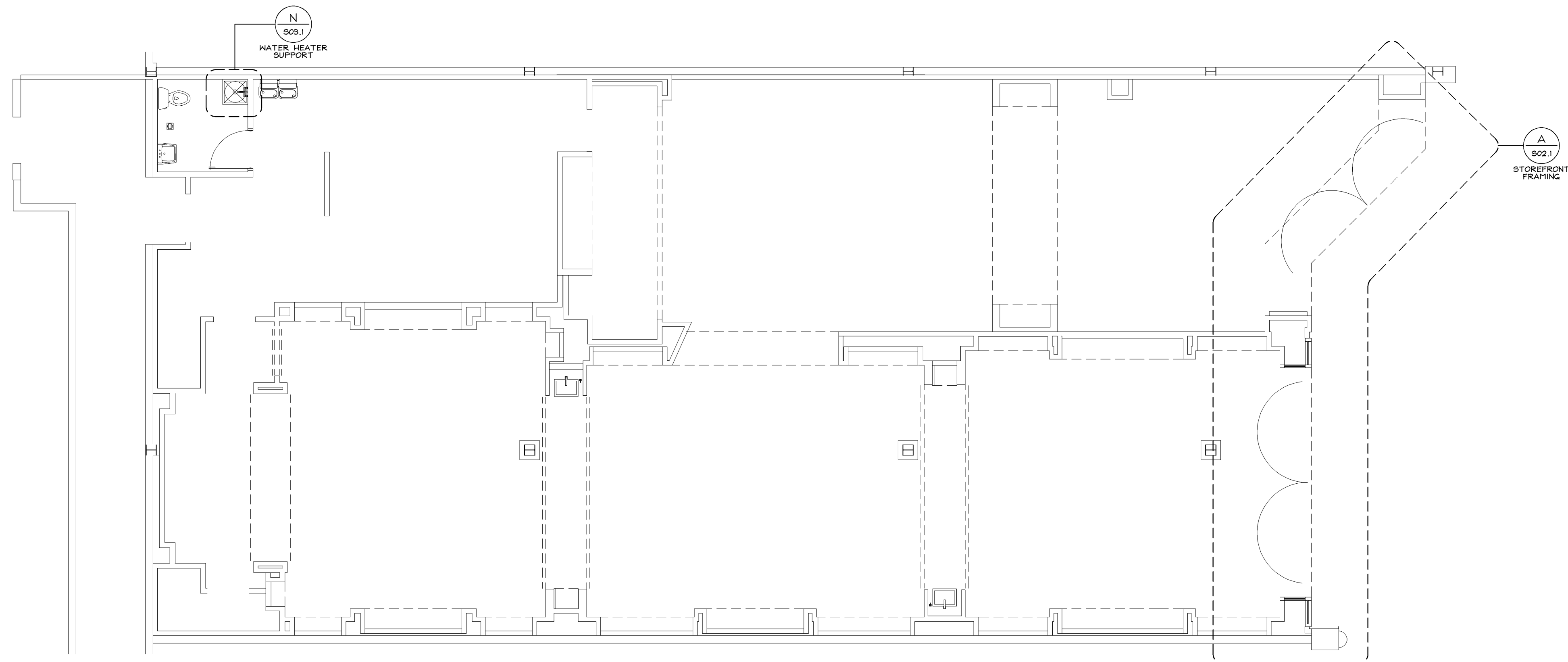
SEISMIC DESIGN CATEGORIES A, B & C.

STUD SIZE MATRIX

NONE
42DA121NOMATX

N

LOCATION PLAN



PAUL J FORD AND COMPANY
250 EAST BROAD STREET
SUITE 600
COLUMBUS, OHIO 43215
614-221-6679
A26614-0006

KEVIN P. BAUMAN
REG. No. 49756
CORPORATE REG No. EB0002848

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LIMITED STORE PLANNING, INC.
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PROJECT INFORMATION: 014200814

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THE GARDENS MALL
3101 PGA BOULEVARD
PALM BEACH GARDENS, FL 33410

1-+
141S0
14286

FULL RENO | PACKAGE:
EASTON-G | GENERATION:
00061214 | A/E PROJECT #:

SCOPE:
DESIGN TYPE:
LSD&C PROJECT #:

REVISIONS:

REVISIONS:	DATE:

DATE ISSUED: 10/24/2014
DESIGNED BY: SLH
DRAWN BY: SMA
CHECKED BY: GDK

STRUCTURAL
SPECIFICATIONS
AND NOTES

DRAWING NUMBER:

S01.1