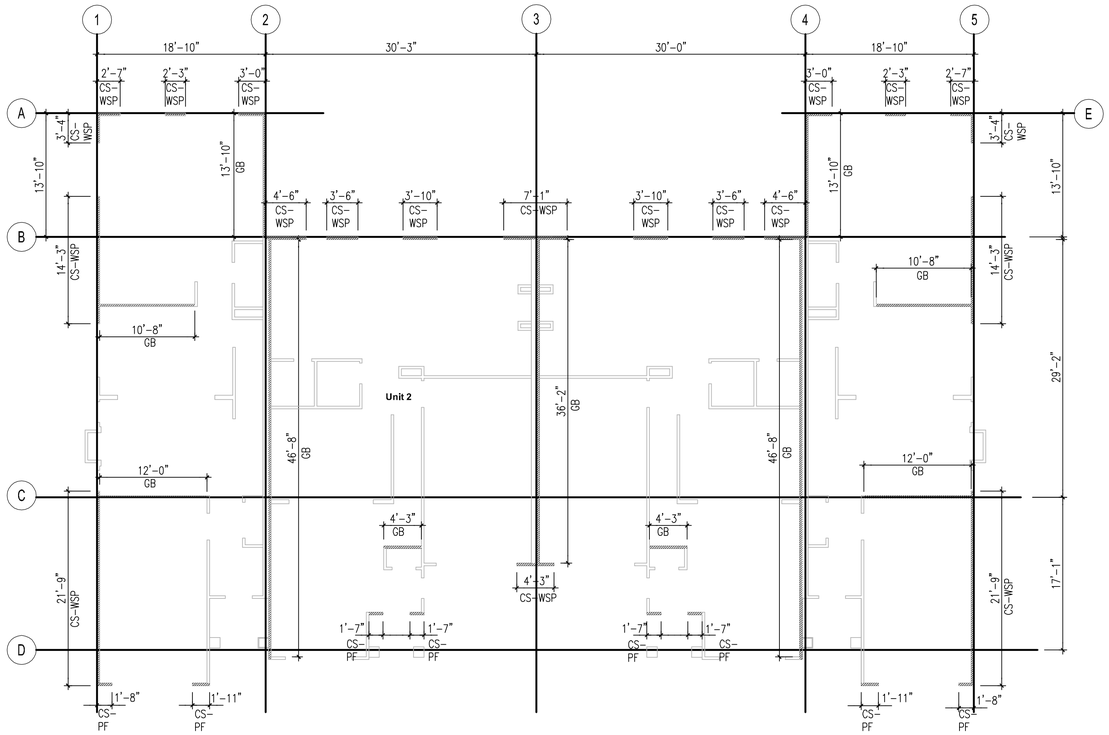
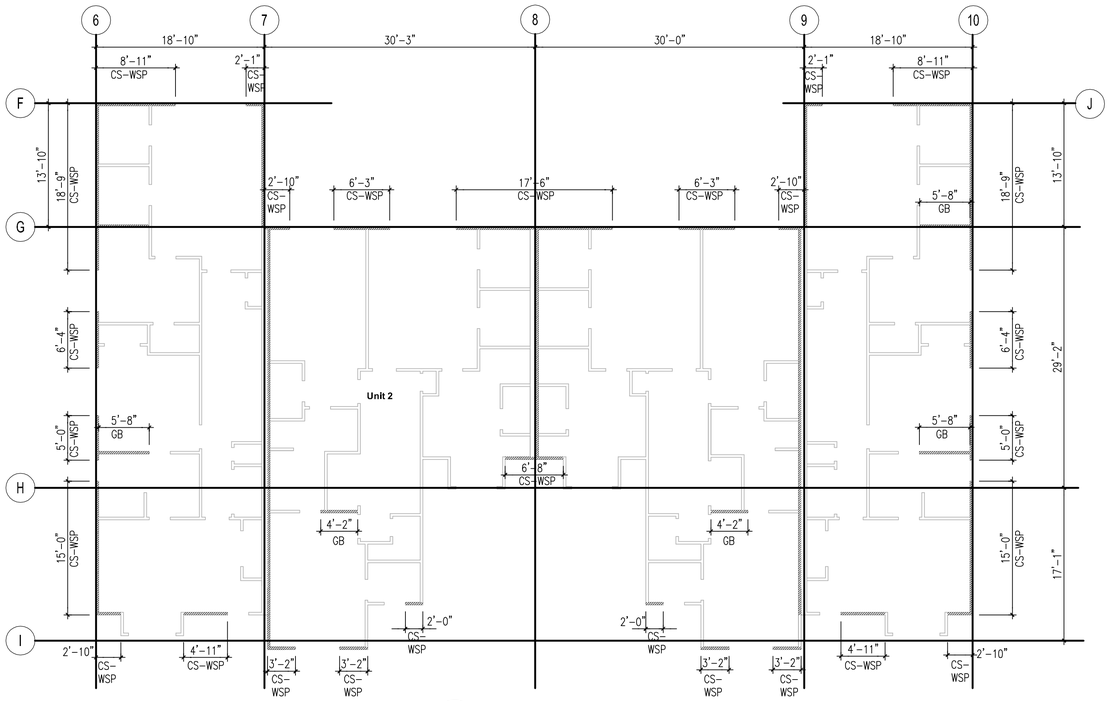
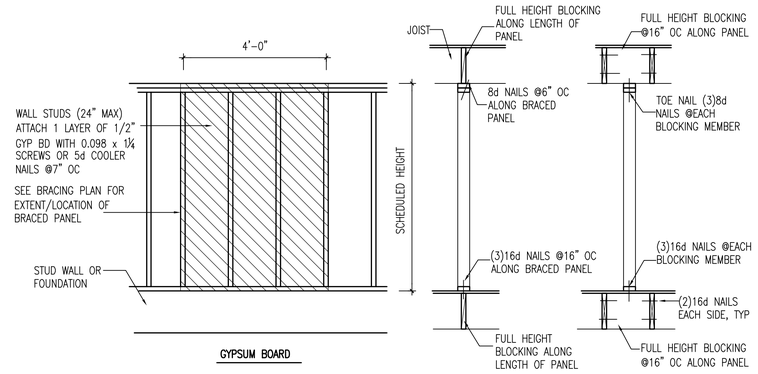


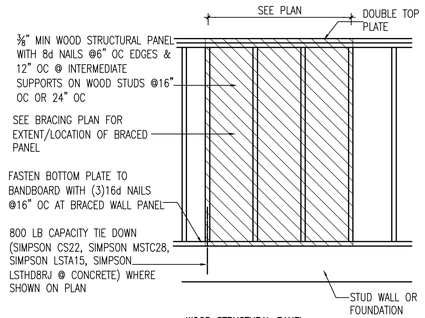
1 S3 **FIRST FLOOR BRACING PLAN**
SCALE: 1/8"=1'-0"



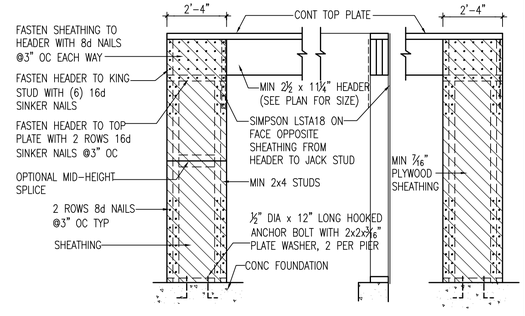
2 S3 **SECOND FLOOR BRACING PLAN**
SCALE: 1/8"=1'-0"



GYPSUM BOARD



WOOD STRUCTURAL PANEL



PORTAL FRAME

BRACING NOTES

1. WIND BRACING METHOD PER 2012 IRC SECTION R602.10.
2. BRACING METHOD: CLASSICAL METHOD WITH SC-WSP (7/16" OSB) UNO.
3. A BRACED WALL PANEL SHALL BEGIN WITHIN 12 FEET FROM EACH END OF A BRACED WALL LINE.
4. MAXIMUM BRACED WALL LINE OFFSET UP TO 4 FEET.
5. THE DISTANCE BETWEEN BRACED WALL PANELS ALONG A BRACED WALL LINE SHALL BE NO GREATER THAN 20 FEET.
6. EACH END OF A BRACED WALL LINE WITH CONTINUOUS SHEATHING MUST HAVE A 24-INCH PANEL ON BOTH SIDES OF A CORNER OR 800 POUND HOLD-DOWN DEVICE.

FIRST FLOOR BRACING CALCULATION

BWL NO.	LOCATION	BRACING TYPE	SPACING	BRACING LENGTH	WALL HEIGHT	ADJUSTMENT FACTORS: WALL HEIGHT	ROOF HEIGHT	NO. OF BWLS	ADJUSTED BRACED LENGTH	AVAILABLE BRACED LENGTH	COMMENTS
1	FIRST FLOOR	CS-WSP	18.9'	6.17'	9'	0.95	1.06	1.6	9.94'	39.3'	OK
2	FIRST FLOOR	GB	30.5'	18.77'	9'	0.95	1.06	1.6	30.24'	69.9'	OK
3	FIRST FLOOR	GB	30.5'	18.77'	9'	0.95	1.06	1.6	30.24'	36.2'	OK
4	FIRST FLOOR	GB	30.0'	18.5'	9'	0.95	1.06	1.6	29.81'	59.9'	OK
5	FIRST FLOOR	CS-WSP	18.9'	6.17'	9'	0.95	1.06	1.6	9.94'	41.75'	OK
A	FIRST FLOOR	CS-WSP	13.9'	4.67'	9'	0.95	1.06	1.6	7.52'	7.9'	OK
B	FIRST FLOOR	GB	29.2'	18.06'	9'	0.95	1.06	1.6	29.10'	49.75'	OK
C	FIRST FLOOR	GB	29.2'	18.06'	9'	0.95	1.06	1.6	29.10'	32.5'	OK
D	FIRST FLOOR	CS-PF	17.1'	5.63'	9'	0.95	1.06	1.6	9.07'	13'	OK
E	FIRST FLOOR	CS-WSP	13.9'	4.67'	9'	0.95	1.06	1.6	7.52'	7.9'	OK
6	SECOND FLOOR	CS-WSP	18.9'	3.33'	8'	0.9	1.12	1.6	5.37'	45'	OK
7	SECOND FLOOR	GB	30.5'	9.65'	8'	0.9	1.12	1.6	15.56'	60.5	OK
8	SECOND FLOOR	GB	30.5'	9.65'	8'	0.9	1.12	1.6	15.56'	25.4'	OK
9	SECOND FLOOR	GB	30'	9.5'	8'	0.9	1.12	1.6	29.32'	60.5'	OK
10	SECOND FLOOR	CS-WSP	18.9'	2'	8'	0.9	1.12	1.6	3.23'	45.5'	OK
F	SECOND FLOOR	CS-WSP	13.9'	2.57'	8'	0.9	1.12	1.6	4.14'	11'	OK
G	SECOND FLOOR	GB	29.2'	9.3'	8'	0.9	1.12	1.6	15.00'	47.2'	OK
H	SECOND FLOOR	GB	29.2'	9.3'	8'	0.9	1.12	1.6	15.00'	26.1'	OK
I	SECOND FLOOR	CS-WSP	17.1'	3.06'	8'	0.9	1.12	1.6	4.94'	32.2'	OK
J	SECOND FLOOR	CS-WSP	13.9'	2.58'	8'	0.9	1.12	1.6	4.16'	11.4'	OK

Townhouse Residence

Unit 2
2017 & 2022 South Kenmore Street
Arlington, Virginia 22204

NOVITSKE ARCHITECTS

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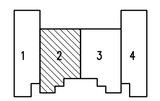
Alexandria VA 22314
703 535 7899 • 703 535 8840 fax

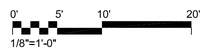
NADER ELHAJJ

3603 McLean Avenue
Fairfax VA 22030
703 615 2451 • 703 563 9424 fax

key plan



graphic scales



project: 24706
phase: Preliminary - Not for Construction
date: 16 February 2018
revisions:

Bracing Plans & Details

S3