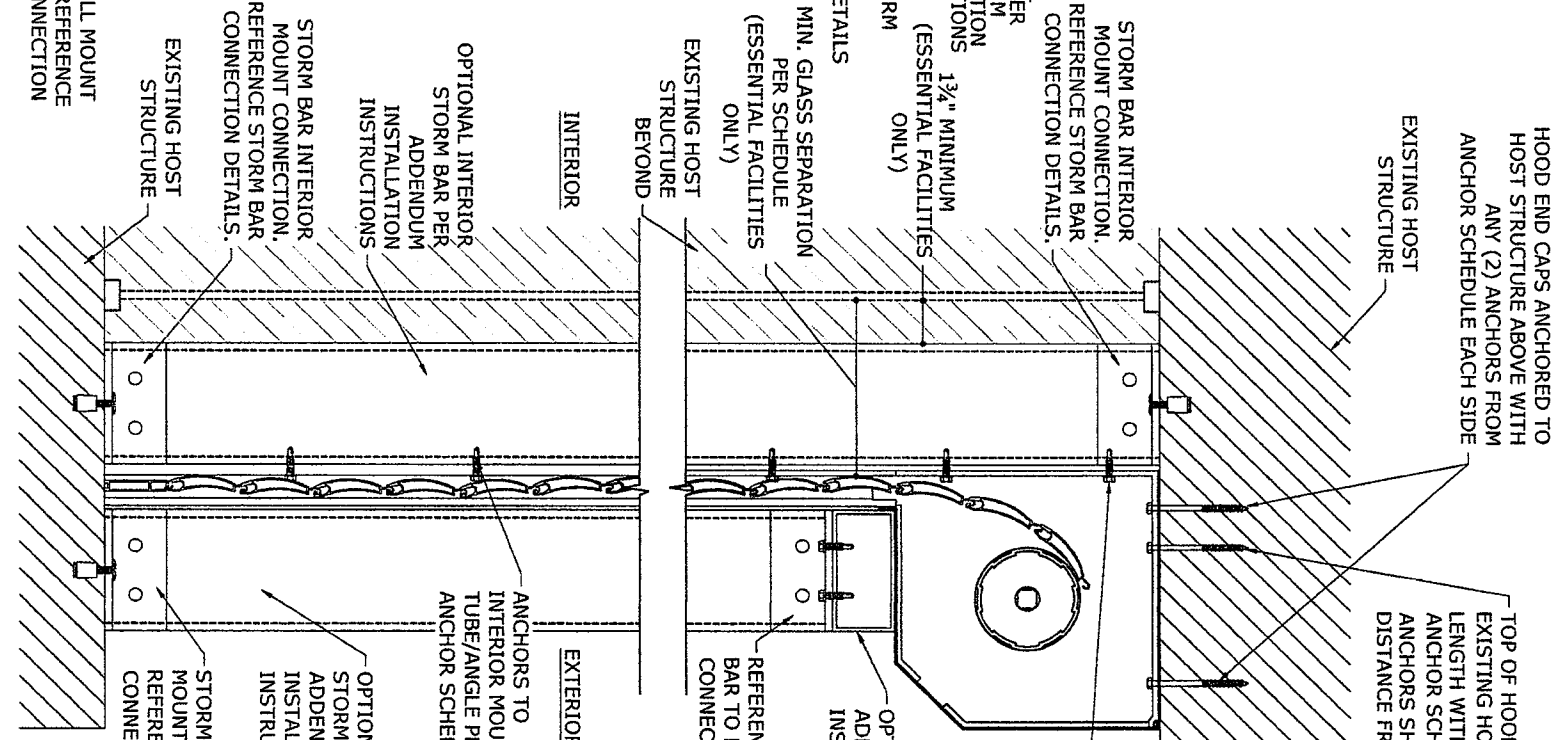


1
WALL MOUNT (SHOWN)
W/ OPTIONAL STORM BARS

3 N.T.S.

VERT SECTION

NOTE: FOR OPTIONAL MOUNTING CONDITIONS, REFERENCE ADDENDUM STORM BAR AND MULLION INSTALLATION INSTRUCTIONS.

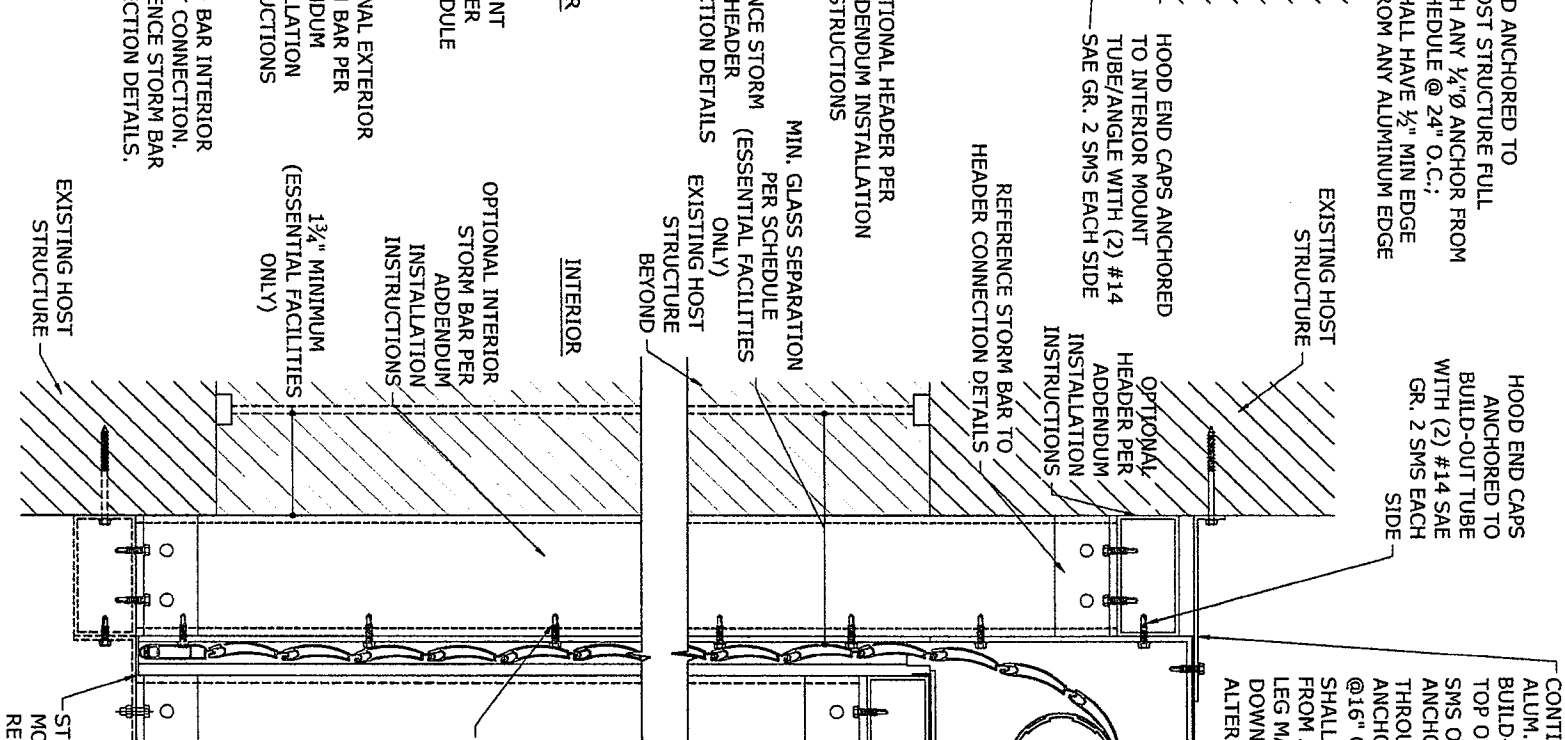


2
INTERIOR MOUNT (SHOWN)
W/ OPTIONAL STORM BARS

3 N.T.S.

VERT SECTION

NOTE: FOR OPTIONAL MOUNTING CONDITIONS, REFERENCE ADDENDUM STORM BAR AND MULLION INSTALLATION INSTRUCTIONS.



3
BUILD-OUT MOUNT (SHOWN)
W/ OPTIONAL STORM BARS

3 N.T.S.

VERT SECTION

NOTE: FOR OPTIONAL MOUNTING CONDITIONS, REFERENCE ADDENDUM STORM BAR AND MULLION INSTALLATION INSTRUCTIONS.

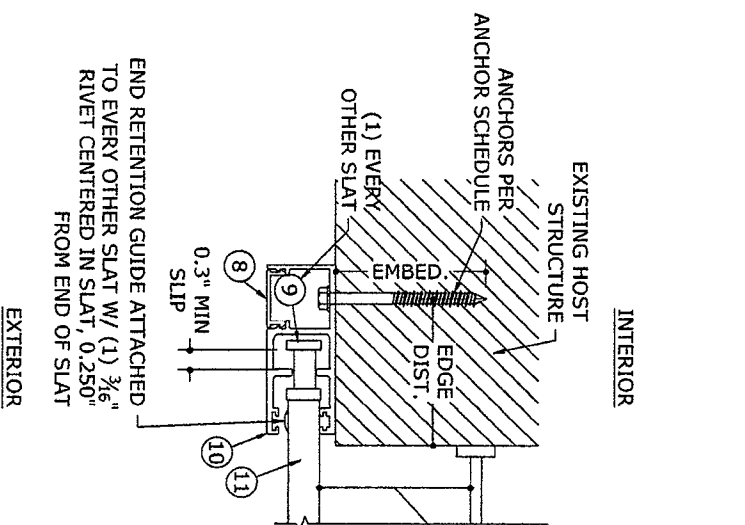
CONTINUOUS 1/8" THICK 6063-T5 ALUM. ANGLE (SIZE VARIES PER BUILD-OUT DISTANCE), FASTENED TO TOP OF HOOD WITH #12 SAE GR. 2 SMS OR 3/8" POP RIVETS @ 16" O.C.; ANCHORED TO HOST STRUCTURE THROUGH 1" LEG WITH ANY 1/4" ANCHOR FROM ANCHOR SCHEDULE @16" O.C.; ANCHORS AND FASTENERS SHALL HAVE 1/2" MIN EDGE DISTANCE FROM ANY ALUMINUM EDGE. ANGLE LEG MAY BE POSITIONED UP OR DOWN. (SEE DETAIL 2/11 FOR ALTERNATE)

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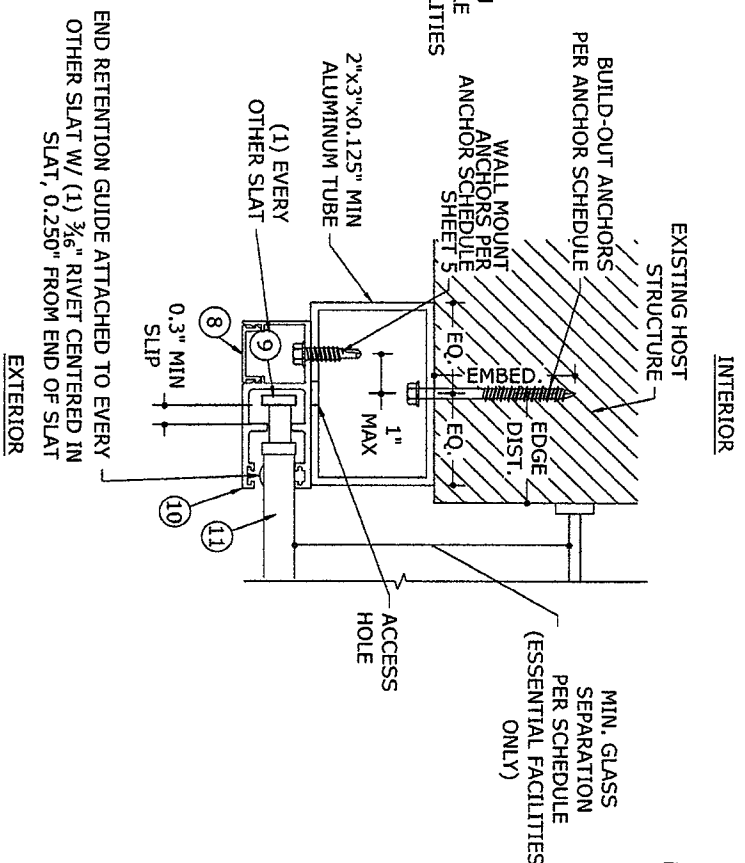
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PAGE DESCRIPTION:
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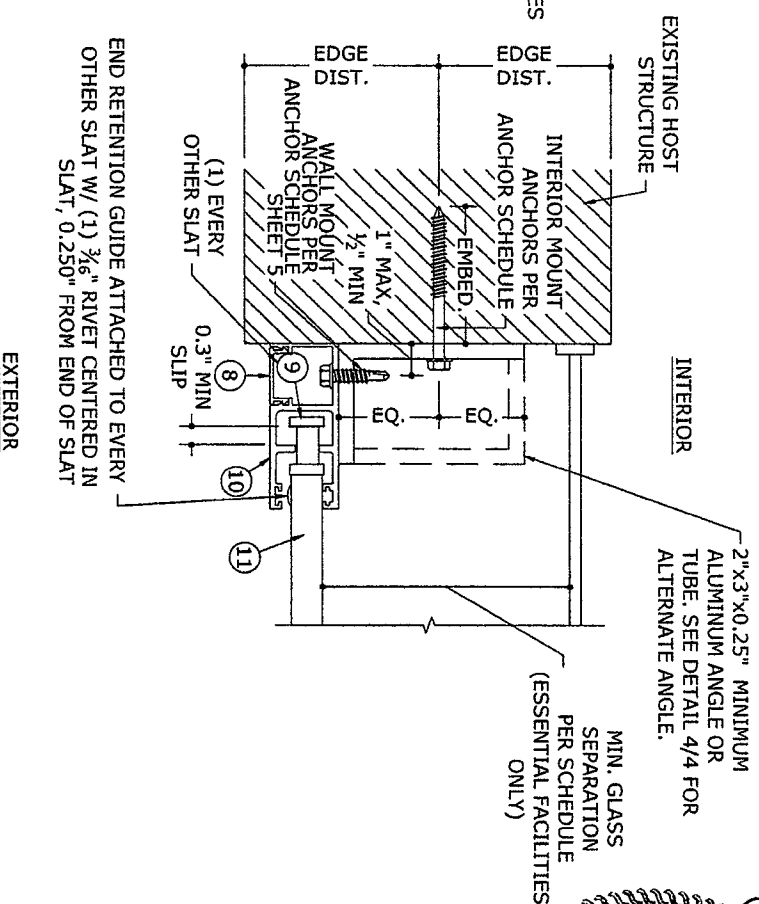
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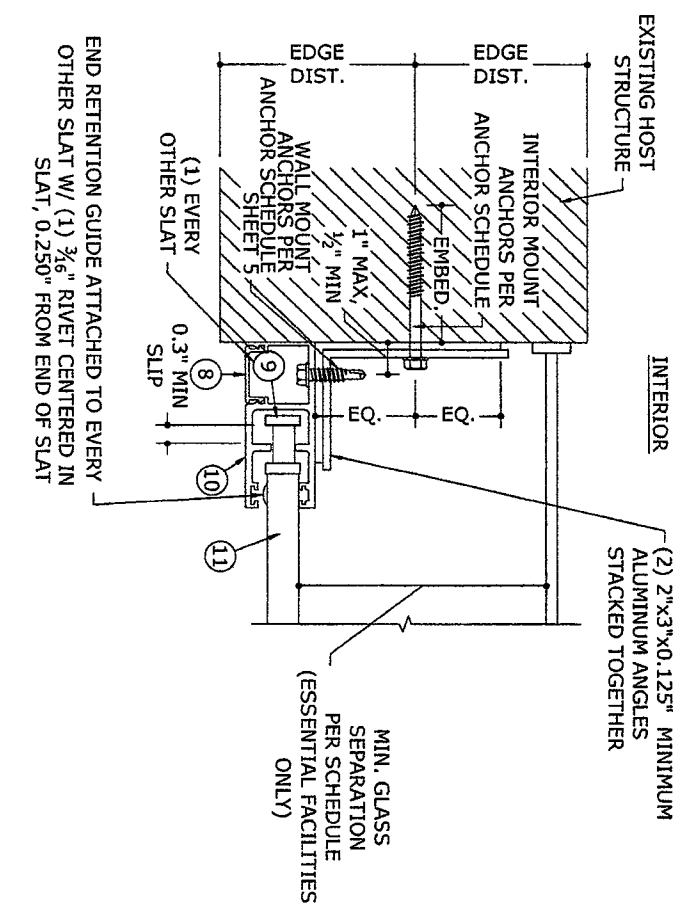
1
4 N.T.S.
**END RETENTION
TYPICAL WALL MOUNT**
HORIZ SECTION



2
4 N.T.S.
**END RETENTION
TYP. BUILD-OUT MOUNT**
HORIZ SECTION



3
4 N.T.S.
**END RETENTION
TYP. INTERIOR MOUNT**
HORIZ SECTION



4
4 N.T.S.
**END RETENTION
TYP. INTERIOR MOUNT**
HORIZ SECTION

ANCHOR NOTES:

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
2. WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
3. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
4. ANCHOR SCHEDULE APPLIES TO ALL PRODUCTS CERTIFIED HEREIN, BUT ONLY PROVIDES MAXIMUM ALLOWABLE ANCHOR SPACING. MAXIMUM ALLOWABLE SPANS AND PRESSURES INDICATED IN SPAN SCHEDULE SHALL APPLY.
5. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD. FASTENERS MAY BE INSTALLED THROUGH PLYWOOD PROVIDED THAT THEY ARE FULLY EMBEDDED INTO STRUCTURAL MATERIAL BEYOND.
6. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
7. MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD ("SIDEWALK BOLT") U.N.O.
8. SHEET METAL SCREWS SHALL BE INSTALLED WITH FULL ENGAGEMENT OF THREADS INTO METAL HOST STRUCTURE.
9. DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE FOR USE.
10. ANCHORS MAY BE INSTALLED TO HOLLOW BLOCK OR GROUT FILLED BLOCK AS INDICATED IN THE ANCHOR SCHEDULES ON SHEETS 5-7. FOR INSTALLATIONS TO BLOCK AS ILLUSTRATED IN THE ANCHOR SCHEDULES OF SHEETS 13-15, ALL BLOCKS MUST BE GROUT FILLED. WHEN INSTALLING ANCHORS TO GROUT FILLED BLOCK, CONTRACTOR SHALL ENSURE THAT THE ANCHOR PENETRATES THROUGH THE FACE SHELL INTO THE GROUTED CELL.

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SEE ANCHOR SCHEDULE FOR MAX SPACING

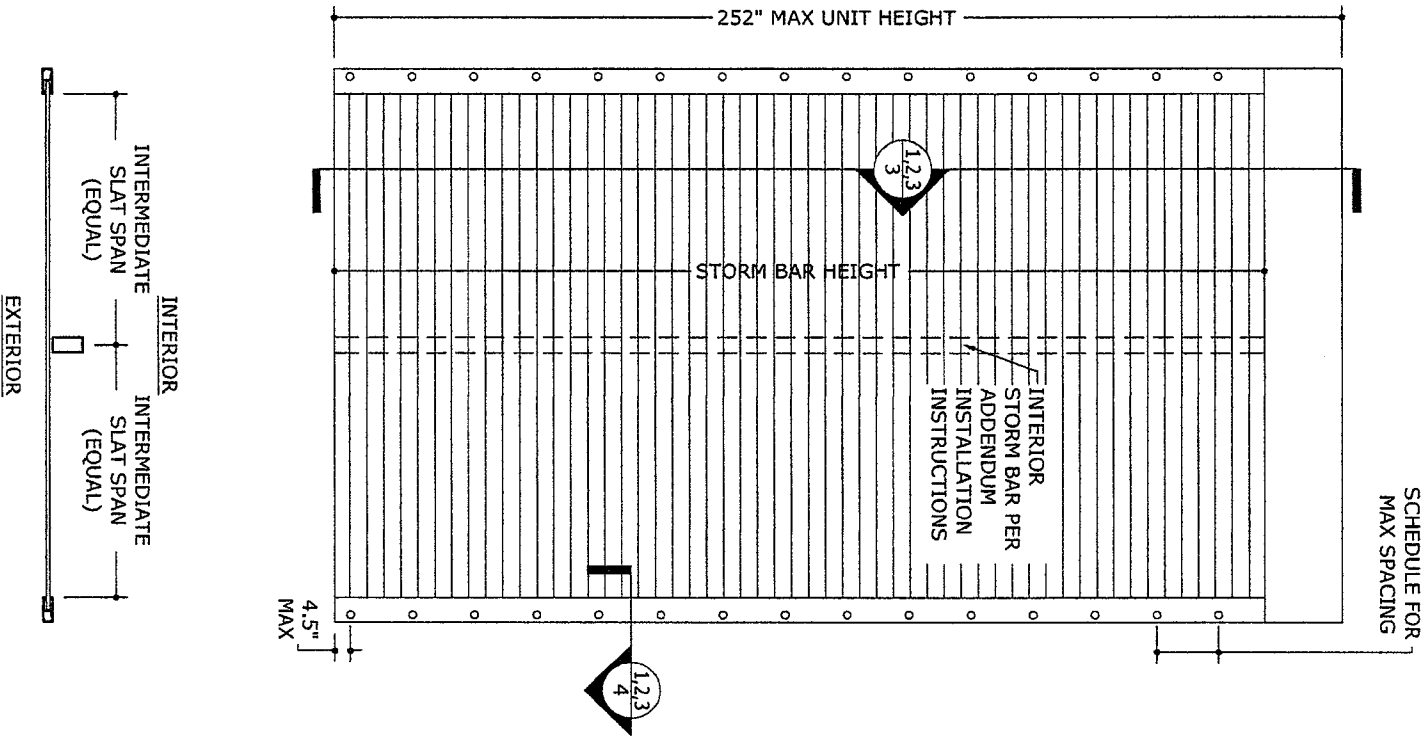


TABLE 3
MINIMUM GLAZING SEPARATION
END-RETENTION SHUTTER WITH INTERIOR STORM BARS
(ESSENTIAL FACILITIES ONLY)

INT. SLAT SPAN	SPAN TYPE	POSITIVE DESIGN PRESSURE	INSTALLATIONS ≤ 30' ABOVE GRADE	INSTALLATIONS > 30' ABOVE GRADE
48.5"	DOUBLE INT. SPAN	+ 30 PSF + 40 PSF + 50 PSF + 60 PSF + 70 PSF	4.5" 4.5" 4.5" 4.5" 4.5"	3.3" 3.3" 3.3" 3.3" 3.3"
55.0"	DOUBLE INT. SPAN	+ 30 PSF + 40 PSF + 50 PSF + 60 PSF + 70 PSF	4.5" 4.5" 4.5" 4.5" 4.5"	3.5" 3.5" 3.5" 3.5" 3.5"
36.7"	DOUBLE INT. SPAN	+ 30 PSF + 40 PSF + 50 PSF + 60 PSF + 70 PSF	4.5" 4.5" 4.5" 4.5" 4.5"	2.7" 2.7" 2.7" 2.7" 2.7"
44.0"	TRIPLE INT. SPAN	+ 30 PSF + 40 PSF + 50 PSF + 60 PSF + 70 PSF	4.5" 4.5" 4.5" 4.5" 4.5"	2.8" 2.8" 2.8" 2.8" 2.8"
48.7"	TRIPLE INT. SPAN	+ 30 PSF + 40 PSF + 50 PSF + 60 PSF + 70 PSF	4.5" 4.5" 4.5" 4.5" 4.5"	2.9" 2.9" 2.9" 2.9" 2.9"

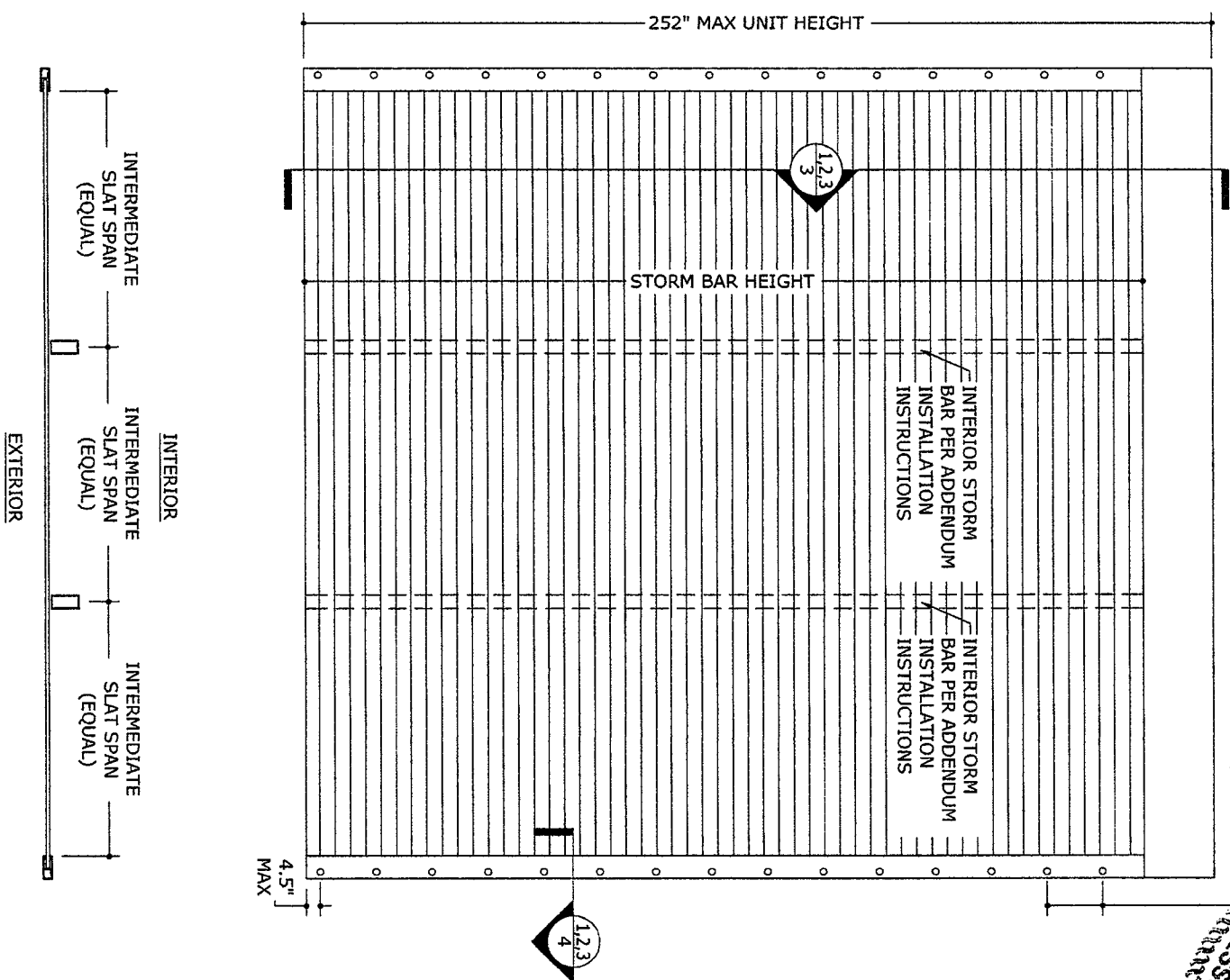
- TABLE 3 NOTES:**
- SLAT SPAN IS DEFINED IN DETAILS 1/8 AND 2/8
 - SEPARATION FROM GLAZING IS REQUIRED **ONLY** IN ESSENTIAL FACILITIES.
 - LINEAR INTERPOLATION BETWEEN SHUTTER SPANS IS NOT PERMITTED. FOR SPANS BETWEEN THOSE INDICATED ABOVE, THE SEPARATION FROM GLASS FOR THE NEXT HIGHER SPAN SHALL BE USED.
 - "INT." SHOW IS AN ABBREVIATION FOR "INTERMEDIATE".

1
END RETENTION SHUTTER WITH INTERIOR STORM BARS (DOUBLE-SPAN)

N.T.S.

EXTERIOR ELEV

SEE ANCHOR SCHEDULE FOR MAX SPACING

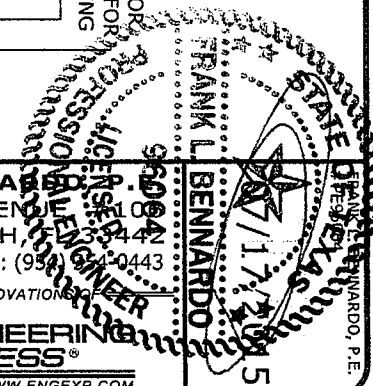


2
END RETENTION SHUTTER WITH INTERIOR STORM BARS (TRIPLE-SPAN)

N.T.S.

EXTERIOR ELEV

SEE ANCHOR SCHEDULE FOR MAX SPACING



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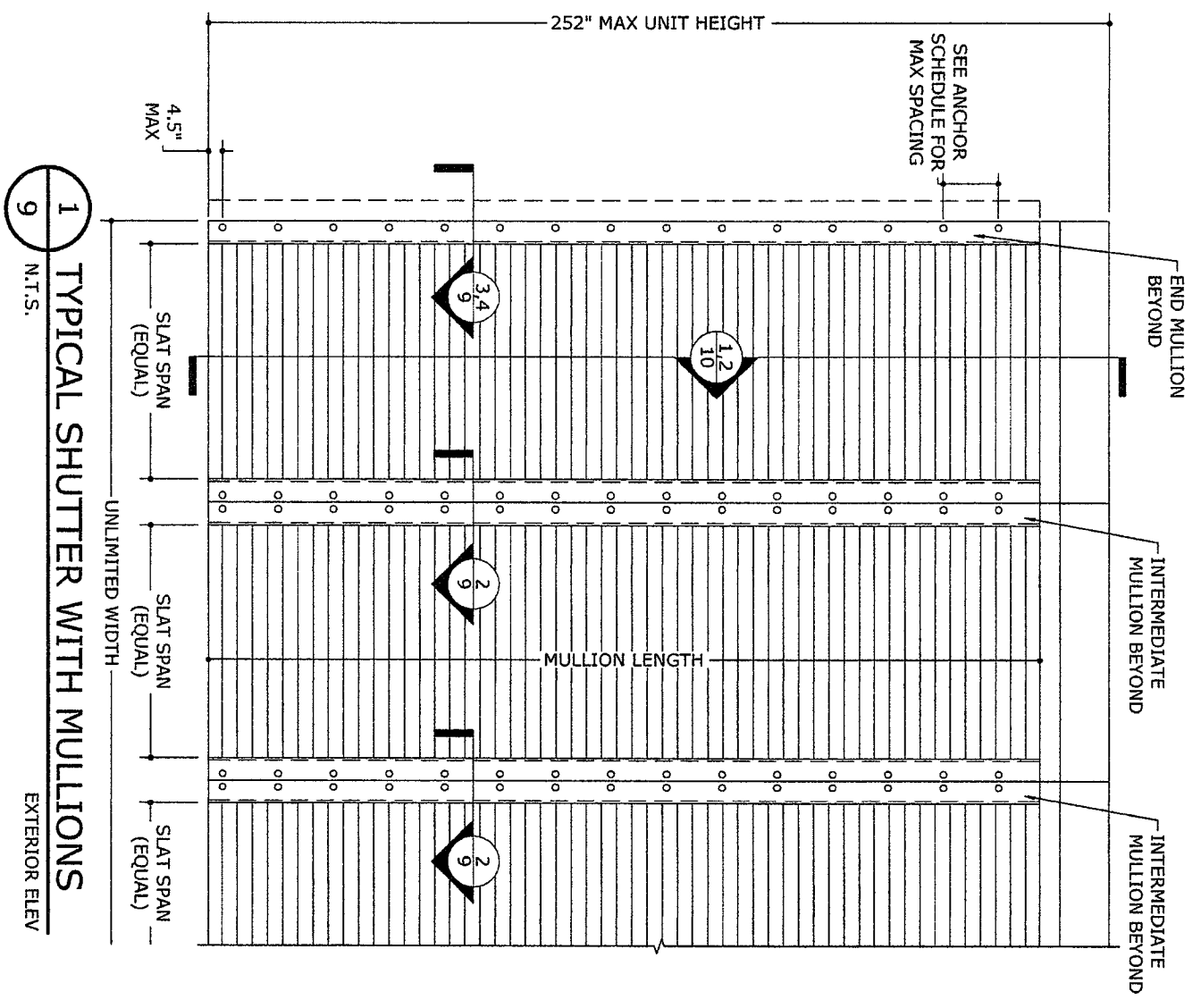
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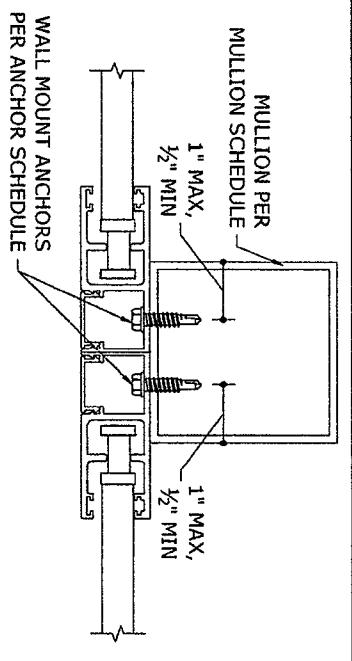
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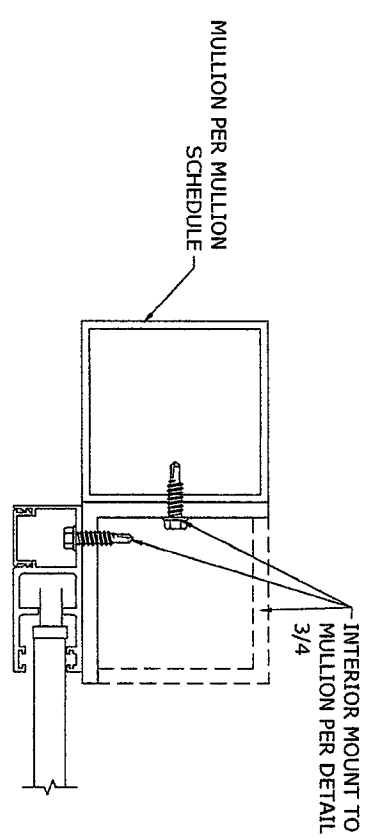


1
9
N.T.S.
TYPICAL SHUTTER WITH MULLIONS
EXTERIOR ELEV

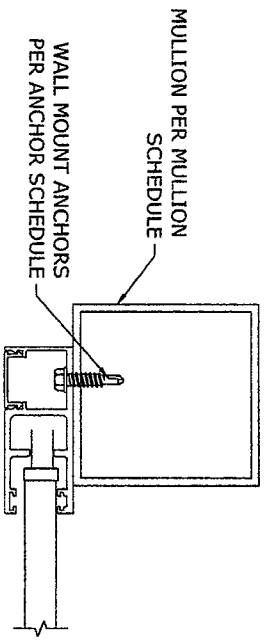
NOTE: MULLIONS PER MULLION SCHEDULES.



2
9
N.T.S.
WALL MOUNT TO INTERMEDIATE MULLION
HORIZ SECTION



3
9
N.T.S.
INTERIOR MOUNT TO END MULLION
HORIZ SECTION



4
9
N.T.S.
WALL MOUNT TO END MULLION
HORIZ SECTION

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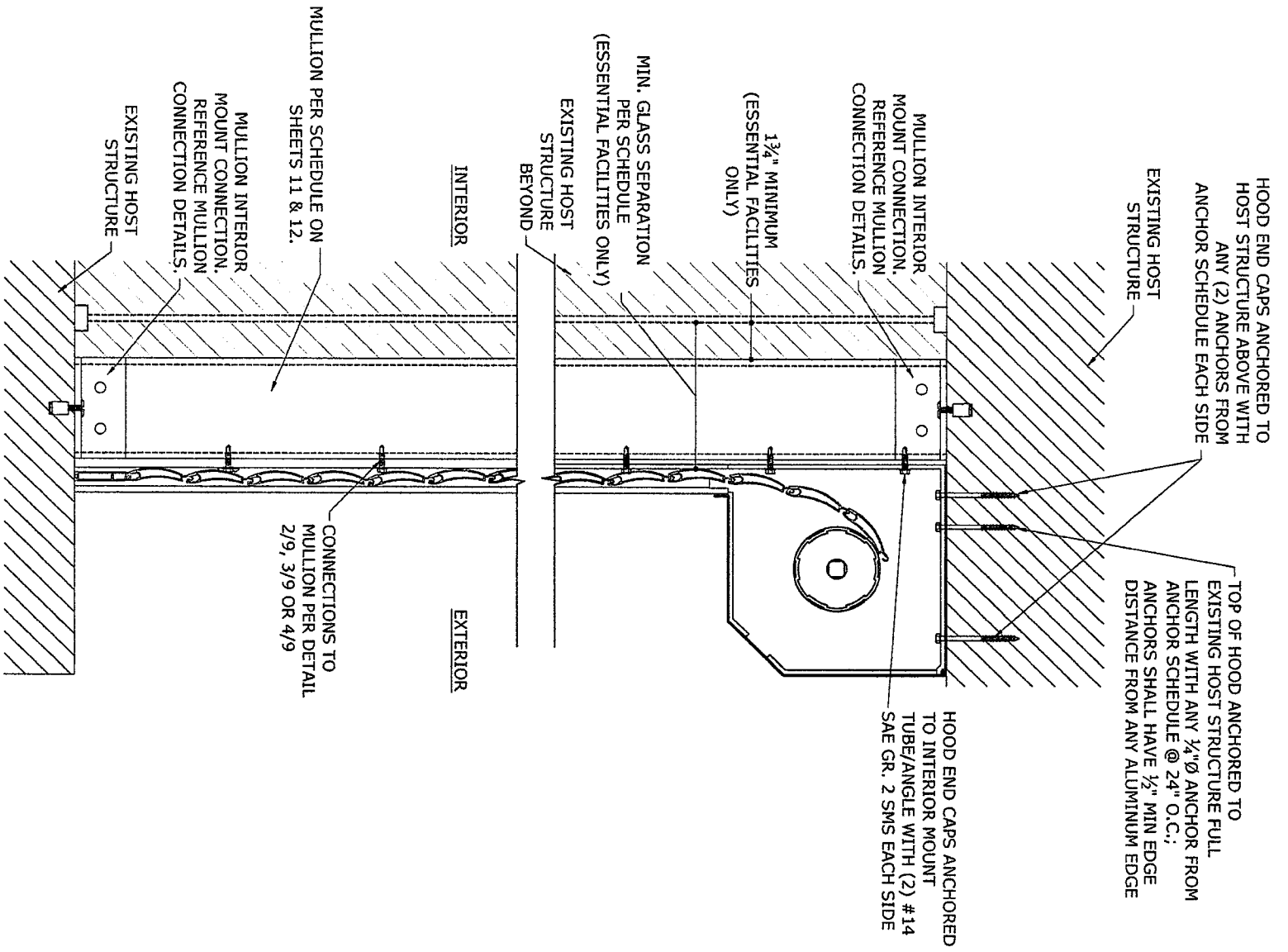
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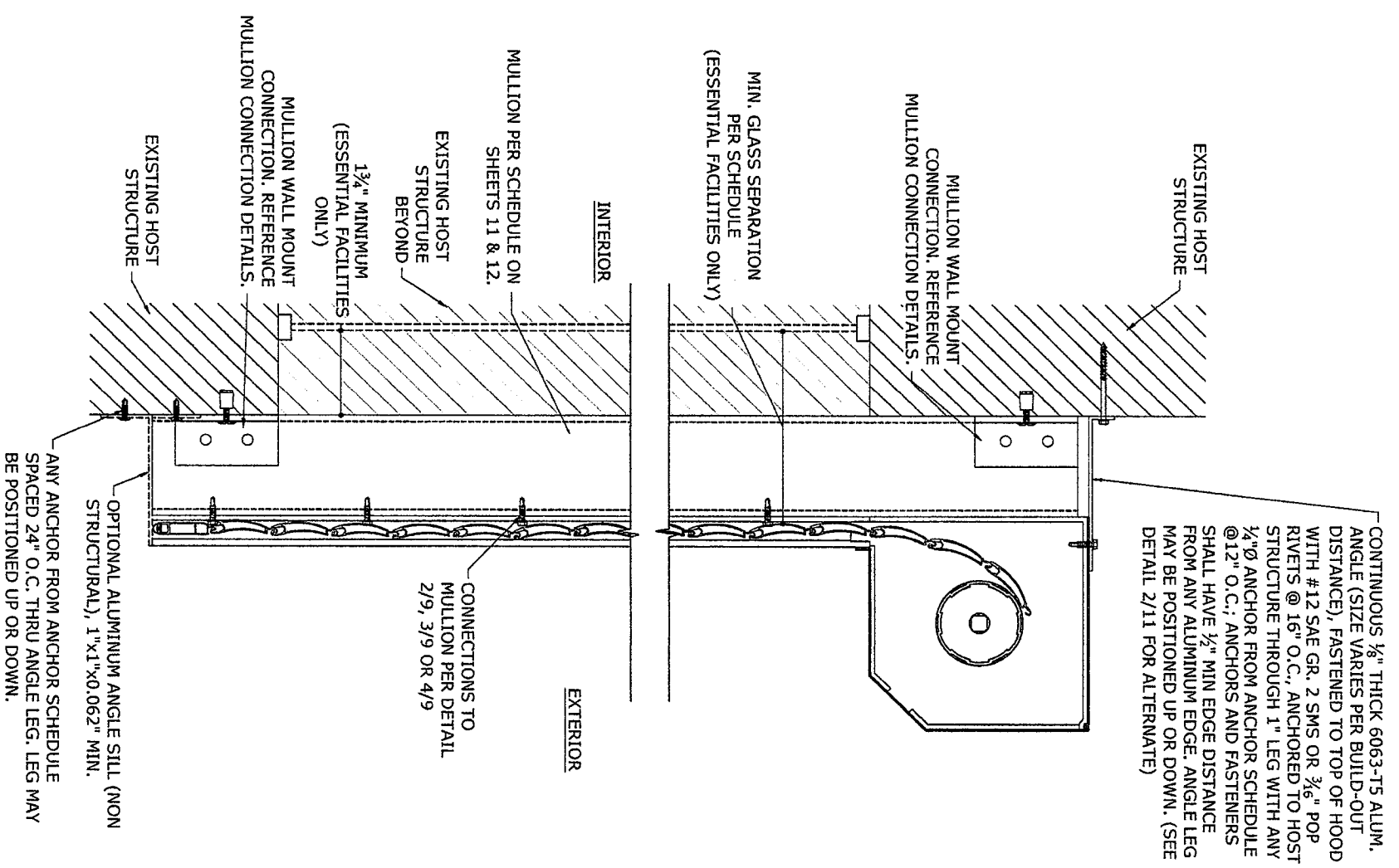
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Professional Engineer
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Exp. 08/15/2015

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1 MULLION INTERIOR MOUNT
10 N.T.S.
VERT SECTION



2 MULLION WALL MOUNT
10 N.T.S.
VERT SECTION

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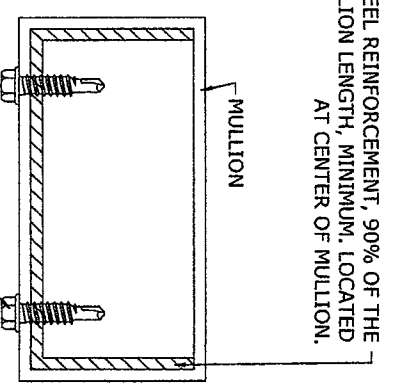
END RETENTION MULLION SCHEDULE: INTERMEDIATE MULLIONS

SLAT SPAN	DESIGN PRESSURE	3"x3"x0.125" W/ REINF.*		2.75"x2.75"x1/8" STEEL REINF.*		3"x3"x0.25"		4"x4"x0.125" W/ REINF.*		3.75"x3.75"x1/8" STEEL REINF.*		4"x4"x0.25"		4"x6"x0.25"		4"x8"x0.25"	
		MAX MULLION LENGTH	END REACTION R _t	MAX MULLION LENGTH	END REACTION R _t	MAX MULLION LENGTH	END REACTION R _t	MAX MULLION LENGTH	END REACTION R _t	MAX MULLION LENGTH	END REACTION R _t	MAX MULLION LENGTH	END REACTION R _t	MAX MULLION LENGTH	END REACTION R _t	MAX MULLION LENGTH	END REACTION R _t
72"	+/-38 PSF	102.4"	826.6 LB	113.4"	915.2 LB	120.0"	968.8 LB	120.0"	1071.0 LB	120.0"	1087.6 LB	120.0"	1087.6 LB	120.0"	1087.6 LB	120.0"	1087.6 LB
	+/-42 PSF	98.5"	892.8 LB	109.1"	988.6 LB	118.2"	1071.0 LB	120.0"	1188.3 LB	120.0"	1188.3 LB	120.0"	1188.3 LB	120.0"	1188.3 LB	120.0"	1188.3 LB
	+/-46 PSF	95.6"	947.2 LB	105.9"	1048.7 LB	114.7"	1136.2 LB	120.0"	1291.7 LB	120.0"	1291.7 LB	120.0"	1291.7 LB	120.0"	1291.7 LB	120.0"	1291.7 LB
	+/-50 PSF	93.0"	1001.3 LB	103.0"	1108.6 LB	111.6"	1201.1 LB	120.0"	1457.0 LB	120.0"	1457.0 LB	120.0"	1457.0 LB	120.0"	1457.0 LB	120.0"	1457.0 LB
62"	+/-56 PSF	89.4"	1085.0 LB	98.9"	1201.3 LB	107.2"	1301.6 LB	115.3"	1389.7 LB	120.0"	1457.0 LB	120.0"	1457.0 LB	120.0"	1457.0 LB	120.0"	1457.0 LB
	+/-68 PSF	84.0"	1229.1 LB	93.0"	1380.9 LB	100.7"	1474.4 LB	108.3"	1585.6 LB	120.0"	1756.7 LB	120.0"	1756.7 LB	120.0"	1756.7 LB	120.0"	1756.7 LB
	+/-76 PSF	80.9"	1323.7 LB	89.6"	1465.6 LB	97.1"	1587.9 LB	104.4"	1707.6 LB	120.0"	1963.3 LB	120.0"	1963.3 LB	120.0"	1963.3 LB	120.0"	1963.3 LB
	+/-93 PSF	75.6"	1514.4 LB	83.8"	1676.7 LB	90.7"	1816.6 LB	97.6"	1963.6 LB	113.0"	2282.6 LB	117.4"	2351.0 LB	120.0"	2402.5 LB	120.0"	2402.5 LB
72"	+/-42 PSF	93.7"	986.4 LB	103.8"	1092.2 LB	112.4"	1183.3 LB	120.0"	1263.0 LB	120.0"	1263.0 LB	120.0"	1263.0 LB	120.0"	1263.0 LB	120.0"	1263.0 LB
	+/-46 PSF	91.0"	1046.4 LB	100.8"	1156.6 LB	108.2"	1256.3 LB	117.4"	1349.9 LB	120.0"	1380.0 LB	120.0"	1380.0 LB	120.0"	1380.0 LB	120.0"	1380.0 LB
	+/-50 PSF	88.5"	1106.3 LB	98.0"	1224.9 LB	106.2"	1327.0 LB	114.2"	1427.1 LB	120.0"	1500.0 LB	120.0"	1500.0 LB	120.0"	1500.0 LB	120.0"	1500.0 LB
	+/-56 PSF	85.0"	1198.8 LB	94.1"	1327.3 LB	102.0"	1438.0 LB	109.7"	1546.4 LB	120.0"	1692.0 LB	120.0"	1692.0 LB	120.0"	1692.0 LB	120.0"	1692.0 LB
72"	+/-68 PSF	79.9"	1358.0 LB	88.4"	1503.5 LB	95.8"	1629.0 LB	103.0"	1751.8 LB	119.3"	2028.9 LB	120.0"	2040.0 LB	120.0"	2040.0 LB	120.0"	2040.0 LB
	+/-76 PSF	77.0"	1462.5 LB	85.2"	1620.5 LB	92.3"	1754.3 LB	99.3"	1886.6 LB	115.0"	2165.1 LB	119.5"	2165.1 LB	120.0"	2165.1 LB	120.0"	2165.1 LB
	+/-93 PSF	72.5"	1612.0 LB	82.4"	1812.5 LB	87.7"	1944.2 LB	94.3"	2080.8 LB	109.2"	2421.6 LB	113.5"	2516.1 LB	120.0"	2516.1 LB	120.0"	2516.1 LB
	+/-110 PSF	68.0"	1803.2 LB	78.6"	2032.2 LB	82.1"	2212.2 LB	89.6"	2346.9 LB	108.4"	2853.8 LB	112.7"	2853.8 LB	120.0"	2853.8 LB	120.0"	2853.8 LB
64"	+/-38 PSF	88.5"	1106.3 LB	98.0"	1224.9 LB	106.2"	1327.0 LB	114.2"	1427.1 LB	120.0"	1500.0 LB	120.0"	1500.0 LB	120.0"	1500.0 LB	120.0"	1500.0 LB
	+/-42 PSF	85.2"	1195.0 LB	94.3"	1323.1 LB	102.1"	1433.5 LB	109.8"	1541.6 LB	120.0"	1684.0 LB	120.0"	1684.0 LB	120.0"	1684.0 LB	120.0"	1684.0 LB
	+/-46 PSF	82.7"	1287.7 LB	91.5"	1403.6 LB	99.2"	1520.7 LB	106.7"	1635.3 LB	120.0"	1840.0 LB	120.0"	1840.0 LB	120.0"	1840.0 LB	120.0"	1840.0 LB
	+/-50 PSF	84.1"	1326.0 LB	93.1"	1357.4 LB	100.8"	1470.7 LB	108.5"	1581.6 LB	120.0"	1750.0 LB	120.0"	1750.0 LB	120.0"	1750.0 LB	120.0"	1750.0 LB
64"	+/-56 PSF	80.8"	1328.5 LB	89.4"	1466.3 LB	96.9"	1593.6 LB	104.2"	1713.8 LB	120.0"	1974.0 LB	120.0"	1974.0 LB	120.0"	1974.0 LB	120.0"	1974.0 LB
	+/-68 PSF	75.0"	1504.9 LB	84.0"	1656.3 LB	91.0"	1805.3 LB	97.9"	1941.4 LB	113.4"	2248.5 LB	117.8"	2336.3 LB	120.0"	2336.3 LB	120.0"	2336.3 LB
	+/-76 PSF	73.1"	1620.8 LB	81.0"	1794.5 LB	87.7"	1944.2 LB	94.3"	2080.8 LB	109.2"	2421.6 LB	113.5"	2516.1 LB	120.0"	2516.1 LB	120.0"	2516.1 LB
	+/-93 PSF	68.5"	1803.2 LB	78.6"	2032.2 LB	82.1"	2212.2 LB	89.6"	2346.9 LB	108.4"	2853.8 LB	112.7"	2853.8 LB	120.0"	2853.8 LB	120.0"	2853.8 LB
64"	+/-42 PSF	85.2"	1195.0 LB	94.3"	1323.1 LB	102.1"	1433.5 LB	109.8"	1541.6 LB	120.0"	1684.0 LB	120.0"	1684.0 LB	120.0"	1684.0 LB	120.0"	1684.0 LB
	+/-46 PSF	82.7"	1287.7 LB	91.5"	1403.6 LB	99.2"	1520.7 LB	106.7"	1635.3 LB	120.0"	1840.0 LB	120.0"	1840.0 LB	120.0"	1840.0 LB	120.0"	1840.0 LB
	+/-50 PSF	84.1"	1326.0 LB	93.1"	1357.4 LB	100.8"	1470.7 LB	108.5"	1581.6 LB	120.0"	1750.0 LB	120.0"	1750.0 LB	120.0"	1750.0 LB	120.0"	1750.0 LB
	+/-56 PSF	80.8"	1328.5 LB	89.4"	1466.3 LB	96.9"	1593.6 LB	104.2"	1713.8 LB	120.0"	1974.0 LB	120.0"	1974.0 LB	120.0"	1974.0 LB	120.0"	1974.0 LB
64"	+/-68 PSF	75.0"	1504.9 LB	84.0"	1656.3 LB	91.0"	1805.3 LB	97.9"	1941.4 LB	113.4"	2248.5 LB	117.8"	2336.3 LB	120.0"	2336.3 LB	120.0"	2336.3 LB
	+/-76 PSF	73.1"	1620.8 LB	81.0"	1794.5 LB	87.7"	1944.2 LB	94.3"	2080.8 LB	109.2"	2421.6 LB	113.5"	2516.1 LB	120.0"	2516.1 LB	120.0"	2516.1 LB
	+/-93 PSF	68.5"	1803.2 LB	78.6"	2032.2 LB	82.1"	2212.2 LB	89.6"	2346.9 LB	108.4"	2853.8 LB	112.7"	2853.8 LB	120.0"	2853.8 LB	120.0"	2853.8 LB
	+/-110 PSF	64.0"	2032.2 LB	74.3"	2292.2 LB	70.7"	2516.1 LB	77.6"	2720.0 LB	104.3"	3400.0 LB	108.3"	3400.0 LB	120.0"	3400.0 LB	120.0"	3400.0 LB
108"	+/-38 PSF	82.2"	1283.7 LB	91.0"	1421.3 LB	98.6"	1539.9 LB	106.0"	1666.0 LB	120.0"	1875.0 LB	120.0"	1875.0 LB	120.0"	1875.0 LB	120.0"	1875.0 LB
	+/-42 PSF	79.0"	1386.6 LB	87.5"	1526.3 LB	94.8"	1663.4 LB	102.0"	1788.8 LB	118.1"	2071.8 LB	120.0"	2071.8 LB	120.0"	2071.8 LB	120.0"	2071.8 LB
	+/-46 PSF	76.7"	1471.0 LB	85.0"	1628.7 LB	92.1"	1764.6 LB	99.0"	1887.7 LB	114.7"	2197.8 LB	119.1"	2283.7 LB	120.0"	2283.7 LB	120.0"	2283.7 LB
	+/-50 PSF	74.6"	1555.1 LB	82.6"	1721.8 LB	89.5"	1865.4 LB	96.3"	2006.1 LB	111.5"	2323.4 LB	115.9"	2414.2 LB	120.0"	2500.0 LB	120.0"	2500.0 LB
120"	+/-56 PSF	71.7"	1685.1 LB	79.4"	1865.8 LB	86.0"	2021.4 LB	92.5"	2173.9 LB	107.1"	2517.7 LB	111.3"	2616.1 LB	120.0"	2820.0 LB	120.0"	2820.0 LB
	+/-68 PSF	67.4"	1908.9 LB	74.6"	2113.5 LB	80.8"	2289.9 LB	86.9"	2462.5 LB	100.7"	2852.1 LB	104.6"	2963.5 LB	120.0"	3400.0 LB	120.0"	3400.0 LB
	+/-84 PSF	63.0"	2145.6 LB	70.6"	2367.9 LB	75.0"	2640.9 LB	81.9"	2922.1 LB	91.9"	3400.0 LB	95.9"	3400.0 LB	120.0"	3400.0 LB	120.0"	3400.0 LB
	+/-93 PSF	59.5"	2414.4 LB	66.3"	2640.9 LB	69.9"	2922.1 LB	75.0"	3215.5 LB	81.9"	3400.0 LB	88.8"	3400.0 LB	120.0"	3400.0 LB	120.0"	3400.0 LB
132"	+/-42 PSF	76.6"	1477.6 LB	84.8"	1636.0 LB	91.9"	1772.5 LB	98.8"	1906.2 LB	114.4"	2207.7 LB	118.9"	2293.9 LB	120.0"	2315.5 LB	120.0"	2315.5 LB
	+/-46 PSF	74.3"	1567.5 LB	82.3"	1736.6 LB	89.2"	1880.3 LB	95.9"	2022.1 LB	111.1"	2342.0 LB	115.4"	2433.5 LB	120.0"	2530.0 LB	120.0"	2530.0 LB
	+/-50 PSF	72.3"	1657.1 LB	80.1"	1834.8 LB	86.7"	1987.8 LB	93.3"	2137.7 LB	108.0"	2475.9 LB	112.3"	2572.6 LB	120.0"	2750.0 LB	120.0"	2750.0 LB
	+/-56 PSF	69.5"	1795.7 LB	76.9"	1988.2 LB	83.3"	2154.0 LB	89.6"	2316.5 LB	103.8"	2682.9 LB	107.8"	2787.7 LB	120.0"	3102.0 LB	120.0"	3102.0 LB
147"	+/-38 PSF	76.8"	1469.7 LB	85.0"	1627.2 LB	92.1"	1763.0 LB	99.1"	1895.9 LB	114.7"	2195.8 LB	119.2"	2281.6 LB	120.0"	2296.9 LB	120.0"	2296.9 LB
	+/-42 PSF	73.5"	1605.4 LB	81.3"	1777.5 LB	88.1"	1926.8 LB	94.8"	2071.0 LB	109.8"	2388.6 LB	114.1"	2482.3 LB	120.0"	2622.2 LB	120.0"	2622.2 LB
	+/-46 PSF	70.6"	1736.9 LB	78.2"	1923.1 LB	84.7"	2083.6 LB	91.1"	2240.7 LB	105.5"	2595.1 LB	109.6"	2696.5 LB	120.0"	2951.0 LB	120.0"	2951.0 LB
	+/-50 PSF	68.0"	1871.9 LB	75.3"	2072.8 LB	81.6"	2245.5 LB	87.8"	2414.8 LB	101.7"	2796.8 LB	105.6"	2806.0 LB	120.0"	3301.6 LB	120.0"	3301.6 LB
	+/-56 PSF	63.9"	2073.0 LB	71.3"	2312.2 LB	77.3"	2505.1 LB	83.0"	2690.4 LB	96.2"	3120.1 LB	100.0"	3242.0 LB	120.0"	3890.5 LB	120.0"	3890.5 LB

END RETENTION MULLION SCHEDULE NOTES:

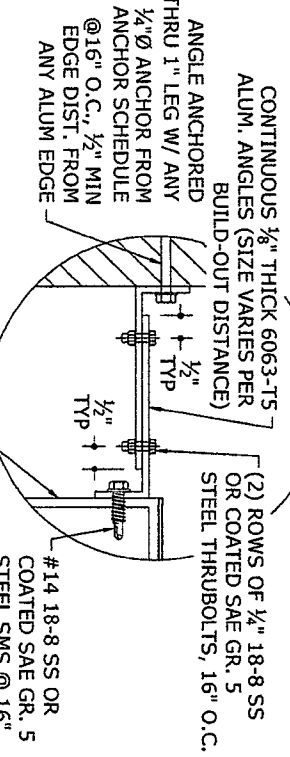
- PRESSURES SHOWN IN "END RETENTION MULLION SCHEDULE" ARE MAXIMUM ALLOWABLE MULLION LENGTHS AT EACH RESPECTIVE SLAT SPAN AND DESIGN PRESSURE.
- "END RETENTION MULLION SCHEDULES" ARE APPLICABLE TO ALL END RETENTION MULLIONS.
- "INTERMEDIATE MULLIONS" ARE AS DEFINED IN ELEVATION 1/9.
- SEE BILL OF MATERIALS FOR MULLION AND REINFORCEMENT MATERIALS.
- ALLOWABLE DESIGN PRESSURES AND SLAT SPANS INDICATED ARE FOR DETERMINING PERMISSIBLE MULLION LENGTHS ONLY. ACTUAL SLAT SPANS AND DESIGN PRESSURES SHALL NOT EXCEED THOSE INDICATED IN SPAN SCHEDULES.
- "END REACTIONS" ARE LISTED FOR EACH COMBINATION OF DESIGN LOAD, MULLION TYPE, & SLAT SPAN. CHOOSE MOUNTING CONNECTIONS (PER APPLICABLE CONNECTION DETAILS HEREIN) THAT PROVIDES "CONNECTION CAPACITY" GREATER THAN OR EQUAL TO "END REACTIONS" GIVEN ABOVE.
- THIS SCHEDULE MAY BE USED FOR ALL MOUNTING CONDITIONS LISTED HEREIN.
- /// DENOTES CONDITIONS NOT APPROVED FOR USE.

*NOTE: STEEL REINFORCEMENT LENGTH SHALL BE A MINIMUM OF 90% OF THE MULLION LENGTH, LOCATED AT THE CENTER OF THE MULLION AND FASTENED IN PLACE WITH #14 18-8 SS OR COATED SAE GR. 5 STAINLESS STEEL SMS OR SDS AT 12" O.C. MAX STAGGERED ALONG THE FULL REINFORCEMENT LENGTH. (REFERENCE STEEL REINFORCEMENT DETAILS)



1 TYPICAL REINFORCEMENT SECTION

11 N.T.S.



2 ALTERNATE BUILD-OUT HOOD CONNECTION SECTION

11 N.T.S.

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END RETENTION MULLION SCHEDULE: END MULLIONS

SLAT SPAN	DESIGN PRESSURE	3"x3"x0.125" W/ 2.75"x2.75"x1/8" STEEL REINF.				3"x3"x0.25"				4"x4"x0.125" W/ 3.75"x3.75"x1/8" STEEL REINF.				4"x4"x0.25"				4"x6"x0.25"				4"x8"x0.25"			
		MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum	MAX MULLION LENGTH	END REACTION Rv	END REACTION Rt	END REACTION Rsum
62"	+/- 38 PSF	120.0"	0.0 LB	484.4 LB	484.4 LB	120.0"	0.0 LB	484.4 LB	484.4 LB	120.0"	0.0 LB	484.4 LB	484.4 LB	120.0"	0.0 LB	484.4 LB	484.4 LB	120.0"	0.0 LB	484.4 LB	484.4 LB	120.0"	0.0 LB	484.4 LB	484.4 LB
	+/- 42 PSF	120.0"	133.1 LB	543.8 LB	559.8 LB	120.0"	133.1 LB	543.8 LB	559.8 LB	120.0"	133.1 LB	543.8 LB	559.8 LB	120.0"	133.1 LB	543.8 LB	559.8 LB	120.0"	133.1 LB	543.8 LB	559.8 LB	120.0"	133.1 LB	543.8 LB	559.8 LB
	+/- 46 PSF	120.0"	293.6 LB	594.2 LB	662.8 LB	120.0"	293.6 LB	594.2 LB	662.8 LB	120.0"	293.6 LB	594.2 LB	662.8 LB	120.0"	293.6 LB	594.2 LB	662.8 LB	120.0"	293.6 LB	594.2 LB	662.8 LB	120.0"	293.6 LB	594.2 LB	662.8 LB
	+/- 50 PSF	117.2"	447.7 LB	630.8 LB	773.5 LB	120.0"	458.3 LB	645.8 LB	791.9 LB	120.0"	458.3 LB	645.8 LB	791.9 LB	120.0"	458.3 LB	645.8 LB	791.9 LB	120.0"	458.3 LB	645.8 LB	791.9 LB	120.0"	458.3 LB	645.8 LB	791.9 LB
72"	+/- 38 PSF	108.4"	658.2 LB	664.1 LB	995.5 LB	120.0"	722.0 LB	728.5 LB	1025.7 LB	120.0"	722.0 LB	728.5 LB	1025.7 LB	120.0"	722.0 LB	728.5 LB	1025.7 LB	120.0"	722.0 LB	728.5 LB	1025.7 LB	120.0"	722.0 LB	728.5 LB	1025.7 LB
	+/- 42 PSF	104.7"	860.1 LB	560.8 LB	1023.7 LB	120.0"	986.1 LB	631.5 LB	1171.0 LB	120.0"	986.1 LB	631.5 LB	1171.0 LB	120.0"	986.1 LB	631.5 LB	1171.0 LB	120.0"	986.1 LB	631.5 LB	1171.0 LB	120.0"	986.1 LB	631.5 LB	1171.0 LB
	+/- 46 PSF	97.3"	964.1 LB	559.6 LB	1114.8 LB	120.0"	1188.7 LB	690.0 LB	1374.5 LB	120.0"	1188.7 LB	690.0 LB	1374.5 LB	120.0"	1188.7 LB	690.0 LB	1374.5 LB	120.0"	1188.7 LB	690.0 LB	1374.5 LB	120.0"	1188.7 LB	690.0 LB	1374.5 LB
	+/- 50 PSF	91.2"	1061.6 LB	570.0 LB	1204.9 LB	119.9"	1395.7 LB	749.5 LB	1584.2 LB	120.0"	1395.7 LB	749.5 LB	1584.2 LB	120.0"	1395.7 LB	749.5 LB	1584.2 LB	120.0"	1395.7 LB	749.5 LB	1584.2 LB	120.0"	1395.7 LB	749.5 LB	1584.2 LB
84"	+/- 38 PSF	83.4"	1202.7 LB	588.1 LB	1338.8 LB	108.5"	1578.7 LB	772.0 LB	1757.3 LB	116.2"	1675.1 LB	819.1 LB	1864.7 LB	120.0"	1675.1 LB	819.1 LB	1864.7 LB	120.0"	1675.1 LB	819.1 LB	1864.7 LB	120.0"	1675.1 LB	819.1 LB	1864.7 LB
	+/- 42 PSF	73.3"	1426.1 LB	622.7 LB	1556.1 LB	96.0"	1868.1 LB	815.7 LB	2038.4 LB	105.1"	2046.3 LB	893.6 LB	2232.9 LB	113.4"	2324.8 LB	925.6 LB	2536.8 LB	120.0"	2324.8 LB	925.6 LB	2536.8 LB	120.0"	2324.8 LB	925.6 LB	2536.8 LB
	+/- 46 PSF	68.1"	1562.8 LB	646.7 LB	1691.3 LB	89.1"	2045.3 LB	846.4 LB	2213.5 LB	97.7"	2242.9 LB	928.2 LB	2427.4 LB	113.0"	2565.0 LB	1073.9 LB	2808.4 LB	120.0"	2565.0 LB	1073.9 LB	2808.4 LB	120.0"	2565.0 LB	1073.9 LB	2808.4 LB
	+/- 50 PSF	62.0"	1830.9 LB	614.7 LB	1931.4 LB	80.9"	2388.2 LB	801.8 LB	2519.2 LB	88.4"	2610.1 LB	876.4 LB	2753.3 LB	103.9"	3069.8 LB	1030.7 LB	3238.2 LB	111.3"	3288.0 LB	1103.9 LB	3468.4 LB	117.8"	3480.5 LB	1168.6 LB	3671.5 LB
96"	+/- 38 PSF	58.1"	1967.3 LB	644.1 LB	2070.1 LB	75.8"	2565.1 LB	839.8 LB	2695.0 LB	82.8"	2802.3 LB	917.4 LB	2948.7 LB	98.7"	3340.3 LB	1093.6 LB	3514.7 LB	106.4"	3601.2 LB	1179.0 LB	3789.2 LB	112.6"	3812.1 LB	1248.0 LB	4071.1 LB
	+/- 42 PSF	52.0"	1485.0 LB	482.3 LB	1561.3 LB	100.6"	1936.0 LB	628.7 LB	2038.5 LB	105.5"	2239.1 LB	705.2 LB	2347.5 LB	114.2"	2543.8 LB	801.1 LB	2667.0 LB	120.0"	2543.8 LB	801.1 LB	2667.0 LB	120.0"	2543.8 LB	801.1 LB	2667.0 LB
	+/- 46 PSF	48.4"	1699.4 LB	505.3 LB	1682.3 LB	93.8"	2090.9 LB	658.5 LB	2192.2 LB	100.5"	2299.1 LB	742.9 LB	2520.2 LB	110.1"	2735.9 LB	844.0 LB	2867.1 LB	117.9"	3134.0 LB	950.2 LB	3274.9 LB	120.0"	3298.2 LB	1000.0 LB	3446.5 LB
	+/- 50 PSF	60.9"	1929.3 LB	572.2 LB	2012.4 LB	79.3"	2511.9 LB	745.0 LB	2620.0 LB	86.5"	2740.2 LB	812.7 LB	2858.2 LB	101.5"	3217.6 LB	954.3 LB	3356.1 LB	108.7"	3446.3 LB	1022.1 LB	3594.7 LB	115.1"	3648.2 LB	1082.0 LB	3805.2 LB
108"	+/- 38 PSF	54.9"	2156.6 LB	621.7 LB	2244.4 LB	71.4"	2806.5 LB	809.1 LB	2920.8 LB	77.9"	3060.4 LB	882.3 LB	3185.1 LB	92.9"	3651.4 LB	1052.7 LB	3800.1 LB	101.2"	3978.3 LB	1147.0 LB	4140.4 LB	107.1"	4211.3 LB	1214.1 LB	4382.8 LB
	+/- 42 PSF	68.8"	1734.7 LB	483.6 LB	1800.9 LB	89.5"	2256.5 LB	629.1 LB	2342.6 LB	96.4"	2491.9 LB	678.0 LB	2524.7 LB	108.6"	2762.9 LB	770.3 LB	2868.3 LB	117.3"	2999.3 LB	855.1 LB	3072.2 LB	120.0"	3026.4 LB	843.8 LB	3141.8 LB
	+/- 46 PSF	64.4"	1958.6 LB	508.9 LB	2028.7 LB	83.8"	2417.9 LB	661.8 LB	2506.8 LB	91.4"	2634.7 LB	721.2 LB	2731.7 LB	104.8"	3231.8 LB	827.0 LB	3342.8 LB	112.2"	3296.1 LB	885.8 LB	3355.1 LB	118.8"	3425.6 LB	937.6 LB	3515.3 LB
	+/- 50 PSF	58.6"	2055.3 LB	549.8 LB	2122.6 LB	76.2"	2546.6 LB	688.4 LB	2638.0 LB	87.0"	2774.5 LB	750.1 LB	2874.1 LB	101.3"	3231.8 LB	827.0 LB	3342.8 LB	112.2"	3296.1 LB	885.8 LB	3355.1 LB	118.8"	3425.6 LB	937.6 LB	3515.3 LB
120"	+/- 38 PSF	54.9"	2201.1 LB	561.0 LB	2276.5 LB	71.4"	2861.0 LB	755.2 LB	2985.0 LB	77.8"	3116.1 LB	822.5 LB	3222.8 LB	92.9"	3720.0 LB	982.0 LB	3847.5 LB	100.6"	3720.0 LB	982.0 LB	3847.5 LB	100.6"	3720.0 LB	982.0 LB	3847.5 LB
	+/- 42 PSF	49.7"	2442.7 LB	633.8 LB	2523.6 LB	64.6"	3174.2 LB	823.7 LB	3279.3 LB	70.3"	3466.4 LB	898.9 LB	3570.9 LB	84.0"	4126.8 LB	1070.9 LB	4263.5 LB	94.0"	4616.3 LB	1197.9 LB	4769.2 LB	99.5"	4866.6 LB	1268.0 LB	5048.5 LB
	+/- 46 PSF	62.7"	1951.3 LB	490.0 LB	2011.9 LB	81.5"	2534.6 LB	636.4 LB	2613.3 LB	88.7"	2758.7 LB	692.7 LB	2844.3 LB	102.1"	3178.2 LB	798.0 LB	3276.9 LB	108.4"	3404.1 LB	854.7 LB	3509.8 LB	115.8"	3603.5 LB	904.8 LB	3715.3 LB
	+/- 50 PSF	58.9"	2082.5 LB	516.6 LB	2145.7 LB	76.5"	2704.6 LB	671.2 LB	2786.6 LB	83.3"	2943.3 LB	730.4 LB	3032.6 LB	97.9"	3460.0 LB	858.6 LB	3565.0 LB	104.9"	3706.0 LB	919.7 LB	3818.4 LB	111.0"	3923.0 LB	973.5 LB	4042.0 LB
132"	+/- 38 PSF	56.2"	2187.4 LB	538.6 LB	2252.7 LB	73.0"	2840.5 LB	699.4 LB	2925.4 LB	79.4"	3090.9 LB	761.0 LB	3183.2 LB	94.8"	3669.9 LB	908.5 LB	3800.1 LB	101.5"	3952.2 LB	973.1 LB	4070.2 LB	107.5"	4183.7 LB	1030.1 LB	4308.6 LB
	+/- 42 PSF	53.8"	2289.9 LB	560.0 LB	2357.4 LB	69.8"	2973.3 LB	727.2 LB	3061.0 LB	76.0"	3235.2 LB	791.2 LB	3330.5 LB	90.7"	3884.2 LB	945.1 LB	3978.0 LB	98.5"	4186.7 LB	1026.4 LB	4320.4 LB	104.3"	4442.5 LB	1086.5 LB	4573.4 LB
	+/- 46 PSF	50.5"	2444.6 LB	582.9 LB	2515.4 LB	65.5"	3173.8 LB	769.8 LB	3266.8 LB	71.3"	3462.9 LB	837.5 LB	3553.0 LB	85.1"	4124.5 LB	1000.3 LB	4244.1 LB	94.4"	4573.1 LB	1109.1 LB	4705.7 LB	99.9"	4840.9 LB	1174.1 LB	4981.2 LB
	+/- 50 PSF	48.9"	2507.4 LB	571.5 LB	2571.7 LB	64.7"	3252.9 LB	741.3 LB	3338.3 LB	70.3"	3536.2 LB	805.9 LB	3628.9 LB	84.0"	4225.6 LB	963.0 LB	4334.0 LB	93.2"	4687.6 LB	1058.3 LB	4807.8 LB	98.7"	4962.1 LB	1130.9 LB	5089.3 LB
147"	+/- 38 PSF	46.9"	2671.8 LB	605.6 LB	2736.6 LB	60.8"	3465.9 LB	785.6 LB	3553.8 LB	66.1"	3767.5 LB	854.0 LB	3863.1 LB	79.0"	4002.2 LB	1020.5 LB	4616.4 LB	89.4"	4597.8 LB	1155.5 LB	5227.1 LB	94.6"	5396.3 LB	1223.2 LB	5533.2 LB
	+/- 42 PSF	53.3"	2377.7 LB	509.8 LB	2431.8 LB	69.1"	3082.3 LB	660.9 LB	3162.3 LB	75.0"	3348.3 LB	770.9 LB	3424.7 LB	84.3"	4247.0 LB	921.5 LB	4345.8 LB	93.2"	4692.4 LB	1018.2 LB	4801.6 LB	98.6"	4967.2 LB	1077.8 LB	5092.7 LB
	+/- 46 PSF	47.7"	2633.6 LB	566.7 LB	2698.1 LB	61.9"	3415.5 LB	760.9 LB	3498.2 LB	67.3"	3712.0 LB	826.9 LB	3803.0 LB	80.4"	4436.3 LB	988.3 LB	4545.0 LB	90.4"	4988.4 LB	1111.3 LB	5170.7 LB	95.7"	5280.5 LB	1176.4 LB	5410.0 LB
	+/- 50 PSF	45.6"	2741.5 LB	627.0 LB	2812.3 LB	59.1"	3556.7 LB	813.5 LB	3648.5 LB	64.3"	3866.6 LB	884.4 LB	3966.5 LB	76.8"	4620.4 LB	1056.7 LB	4739.7 LB	87.8"	5282.6 LB	1208.2 LB	5419.0 LB	93.0"	5592.0 LB	1279.0 LB	5736.4 LB
157"	+/- 38 PSF	42.7"	2903.2 LB	691.5 LB	2984.4 LB	55.4"	3768.4 LB	897.6 LB	3873.8 LB	60.2"	4098.9 LB	976.3 LB	4213.5 LB	72.0"	4896.6 LB	1166.3 LB	5033.6 LB	84.3"	5735.9 LB	1366.3 LB	5896.4 LB	89.2"	6071.8 LB	1446.3 LB	6241.7 LB

END RETENTION MULLION SCHEDULE NOTES:

*NOTE: STEEL REINFORCEMENT LENGTH SHALL BE A MINIMUM OF 90% THE MULLION LENGTH, LOCATED AT THE CENTER OF THE MULLION AND FASTENED IN PLACE WITH #14 316 STAINLESS STEEL SMS OR SDS AT 12" O.C. MAX STAGGERED ALONG THE FULL REINFORCEMENT LENGTH. (REFERENCE STEEL REINFORCEMENT DETAIL 1/11)

- PRESSURES SHOWN IN "END RETENTION MULLION SCHEDULE" ARE MAXIMUM ALLOWABLE MULLION LENGTHS AT EACH RESPECTIVE SLAT SPAN AND DESIGN PRESSURE.
- "END RETENTION MULLION SCHEDULES" ARE APPLICABLE TO ALL END RETENTION MULLIONS.
- "END MULLIONS" ARE AS DEFINED IN ELEVATION 1/9.
- SEE BILL OF MATERIALS FOR MULLION AND REINFORCEMENT MATERIALS.
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- THIS SCHEDULE MAY BE USED FOR ALL MOUNTING CONDITIONS LISTED HEREIN.
- /// DENOTES CONDITIONS NOT APPROVED FOR USE.

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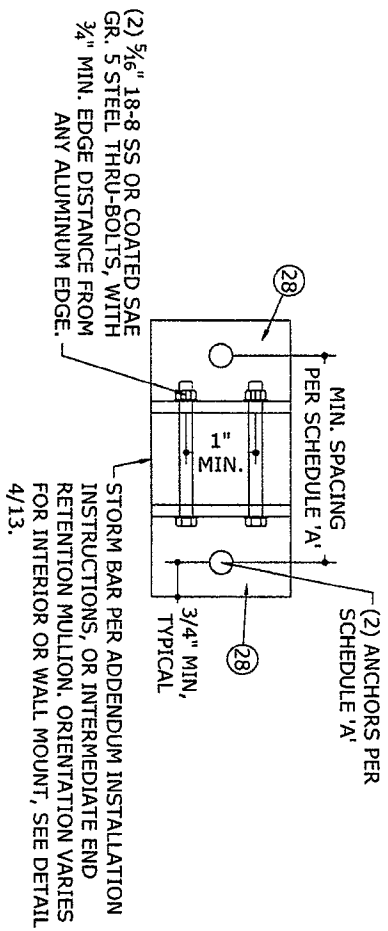
12 OF 15

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INDUSTRIES
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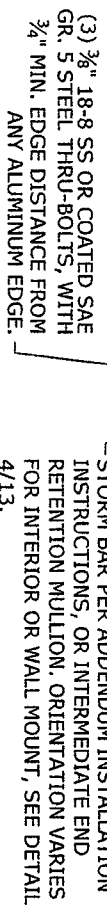
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160 SW 12th Avenue, Suite 100
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0444

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STORM BAR AND INTERMEDIATE END RETENTION MULLION CONNECTION DETAILS



1 INTERIOR OR WALL MOUNT
13 N.T.S.



2 INTERIOR OR WALL MOUNT
13 N.T.S.

ANCHOR NOTES:

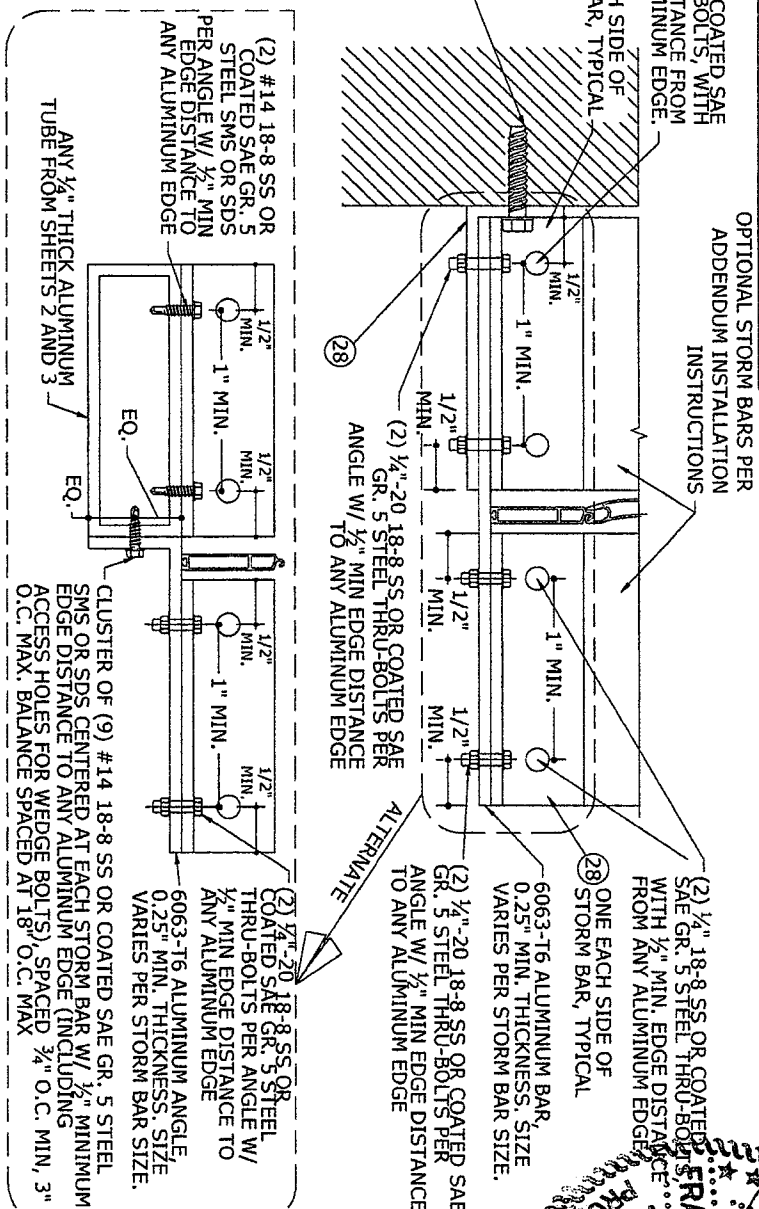
1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
2. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
3. ANCHOR SCHEDULE APPLIES TO ALL PRODUCTS CERTIFIED HEREIN.
4. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
5. MACHINE SCREWS SHALL HAVE MINIMUM OF 5/8" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD ("SIDEWALK BOLT") U.N.O.
6. FOR INSTALLATIONS TO GROUT FILLED BLOCK, ANCHOR SHALL PENETRATE THROUGH FACE SHELL INTO GROUTED CELL.

- CLUSTER OF (4) 3/8" POWERS WEDGE BOLTS AT CENTERED EACH STORM BAR W/ 2"-1/4" MIN. EMBED, 4" MIN. EDGE DISTANCE, AND 4" SPACING TO GROUT-FILLED CONCRETE BLOCK. BALANCE SPACED AT 18" O.C. MAX.
- CLUSTER OF (4) 5/16" ITW TAPCONS AT CENTERED EACH STORM BAR W/ 2"-1/4" MIN. EMBED, 4" MIN. EDGE DISTANCE, AND 4" SPACING TO GROUT-FILLED CONCRETE BLOCK. BALANCE SPACED AT 18" O.C. MAX.

(2) 1/2" 18-8 SS OR COATED SAE GR. 5 STEEL THRU-BOLTS, WITH 1/2" MIN. EDGE DISTANCE FROM ANY ALUMINUM EDGE.

15

ONE EACH SIDE OF STORM BAR, TYPICAL

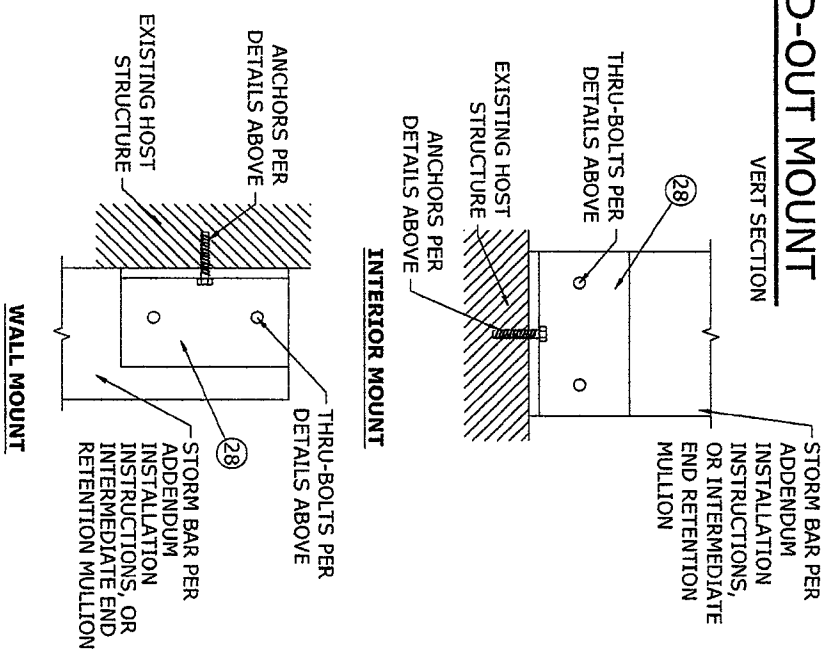


3 STORM BAR BUILD-OUT MOUNT
13 N.T.S.

CONNECTION CAPACITY: 2276 LB

SCHEDULE 'A'

ANCHOR TYPE	MINIMUM SPACING	MINIMUM EDGE DISTANCE	CONNECTION DETAIL	MOUNTING CONDITION	CONNECTION CAPACITY
3/8" POWERS WEDGE BOLTS W/ 3-1/2" EMBED TO 3KSI MIN. CONCRETE	4.5"	4.5"	2/13	WALL MOUNT INTERIOR MOUNT	4332 LB 3066 LB
3/8" POWERS STEEL DROPIN W/ 1-9/16" EMBED TO 3KSI MIN. CONCRETE	4.5"	5.25"	2/13	WALL MOUNT INTERIOR MOUNT	8820 LB 6130 LB
3/8" POWERS WEDGE BOLTS W/ 3-1/2" EMBED TO GROUT-FILLED CONCRETE BLOCK	6.0"	12.0"	2/13	WALL MOUNT INTERIOR MOUNT	2580 LB 2200 LB
5/16" ITW TAPCON XL OR ELCO ULTRACON W/ 2-1/4" MIN. EMBED TO 3.5KSI MIN. CONCRETE	5.0"	3.125"	2/13	WALL MOUNT INTERIOR MOUNT	1576 LB 1702 LB
5/16" ITW TAPCON XL OR ELCO ULTRACON W/ 2-1/4" MIN. EMBED TO GROUT-FILLED CONCRETE BLOCK	5.0"	3.125"	2/13	WALL MOUNT INTERIOR MOUNT	3152 LB 3404 LB
5/16" ITW TAPCON XL OR ELCO ULTRACON W/ 2-1/4" MIN. EMBED TO GROUT-FILLED CONCRETE BLOCK	5.0"	3.125"	2/13	WALL MOUNT INTERIOR MOUNT	584 LB 744 LB
5/16" LAG SCREW W/ 2" MIN. THREAD PENETRATION TO G=0.42 MIN WOOD	2.0"	1.25"	2/13	WALL MOUNT INTERIOR MOUNT	1488 LB 1310 LB
				WALL MOUNT INTERIOR MOUNT	302 LB 2620 LB
				WALL MOUNT INTERIOR MOUNT	604 LB



4 MOUNTING CONDITIONS
13 N.T.S.

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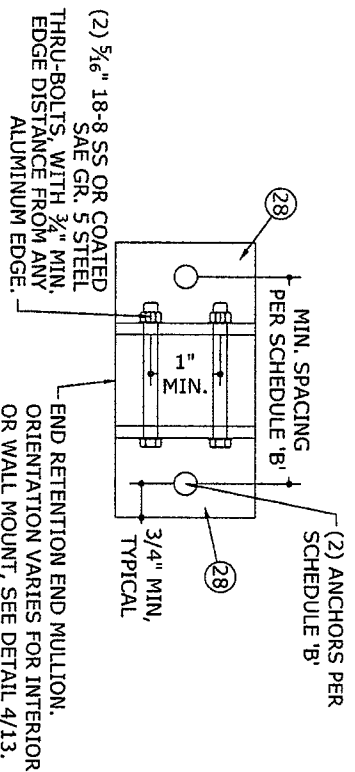
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KL	FLB	04/25/14
RVN	TSB	06/04/14

REMARKS
INIT ISSUE
REV (TD)

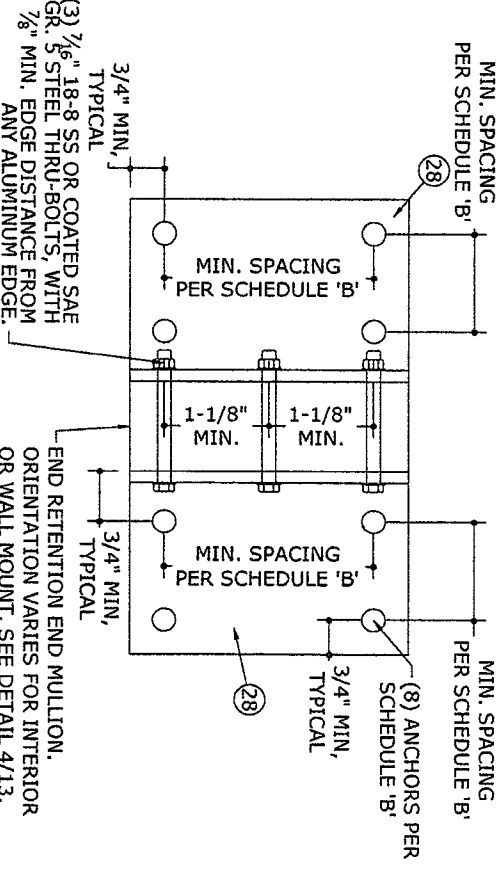
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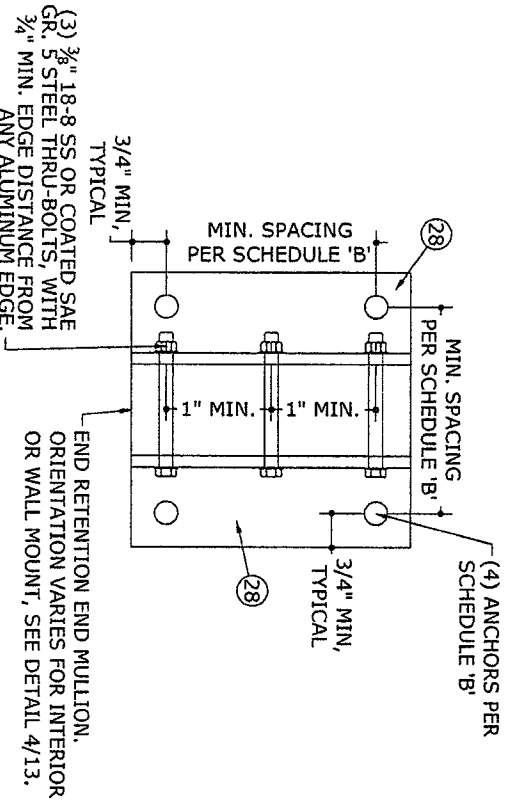
END RETENTION END MULLION CONNECTION DETAILS



1 INTERIOR OR WALL MOUNT
14 N.T.S.



3 INTERIOR OR WALL MOUNT
14 N.T.S.



2 INTERIOR OR WALL MOUNT
14 N.T.S.

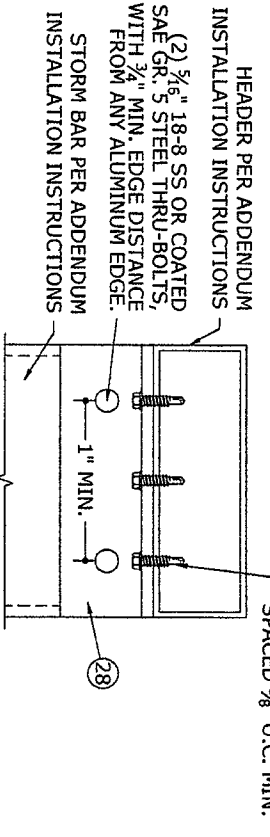
SCHEDULE 'B'

ANCHOR TYPE	MINIMUM SPACING	MINIMUM EDGE DISTANCE	CONNECTION DETAIL	CONNECTION CAPACITY	
				Tcap	Vcap
3/8" POWERS WEDGE BOLTS W/ 3-1/2" EMBED TO 3KSI MIN. CONCRETE	4.5"	4.5"	1/16	4332 LB	3066 LB
				8820 LB	6130 LB
3/8" POWERS STEEL DROPIN W/ 1-9/16" EMBED TO 3KSI MIN. CONCRETE	4.5"	5.25"	2/16	1590 LB	2290 LB
				10176 LB	3180 LB
3/8" POWERS WEDGE BOLTS W/ 3-1/2" EMBED TO GROUT-FILLED CONCRETE BLOCK	6.0"	12.0"	2/16	4580 LB	3688 LB
				2580 LB	2200 LB
5/16" ITW TAPCON XL OR ELCO ULTRACON W/ 2-1/4" MIN. EMBED TO 3.5KSI MIN. CONCRETE	5.0"	3.125"	2/16	5160 LB	4400 LB
				1702 LB	1576 LB
5/16" ITW TAPCON XL OR ELCO ULTRACON W/ 2-1/4" MIN. EMBED TO 3.5KSI MIN. CONCRETE	5.0"	3.125"	2/16	3404 LB	3152 LB
				1702 LB	1576 LB
5/16" ITW TAPCON XL OR ELCO ULTRACON W/ 2-1/4" MIN. EMBED TO GROUT-FILLED CONCRETE BLOCK	5.0"	3.125"	2/16	584 LB	744 LB
				1488 LB	1188 LB
5/16" LAG SCREW W/ 2" MIN. THREAD PENETRATION TO G=0.42 MIN WOOD	2.0"	1.25"	2/16	1310 LB	302 LB
				2620 LB	604 LB

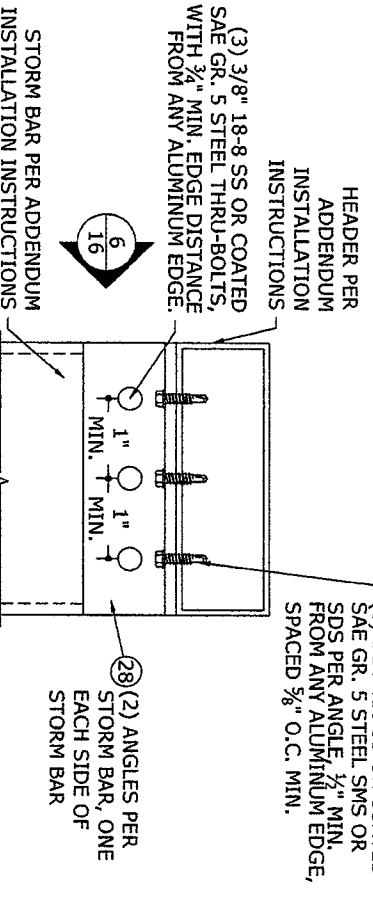
SCHEDULE 'B' NOTES:

- FOR INTERIOR MOUNT CONDITIONS WITH END RETENTION END MULLIONS, 'Rsum' VALUES IN MULLION SCHEDULE SHALL NOT EXCEED MAX 'Vcap' VALUES NOTED IN SCHEDULE 'B'.
- FOR WALL MOUNT CONDITIONS WITH END RETENTION END MULLIONS, **Rv/Vcap + Rt/Tcap SHALL BE LESS THAN OR EQUAL TO 1.0**, WHERE 'Rv' AND 'Rt' ARE PER MULLION SCHEDULES, AND 'Tcap' AND 'Vcap' ARE PER SCHEDULE 'B'. FOR INSTALLATIONS TO GROUT FILLED BLOCK, ANCHOR SHALL PENETRATE THROUGH FACE SHELL INTO GROUTED CELL.

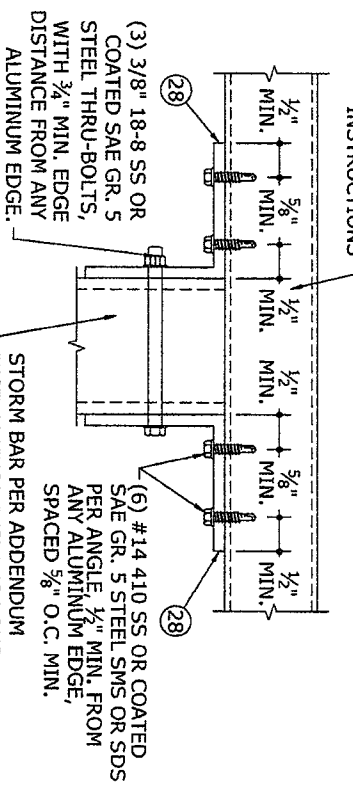
STORM BAR TO HEADER CONNECTION DETAILS



4 STORM BAR TO HEADER
14 N.T.S.
VERT SECTION



5 STORM BAR TO HEADER
14 N.T.S.
VERT SECTION



6 STORM BAR TO HEADER
14 N.T.S.
VERT SECTION

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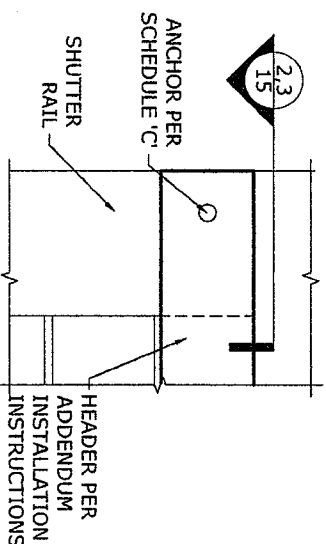
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KL	FLB	04/25/14
RWN	TSB	06/04/14

REMARKS
INIT ISSUE
REV (TDI)

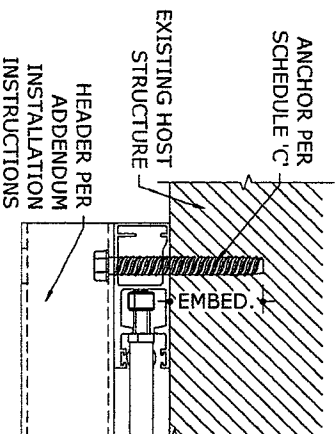
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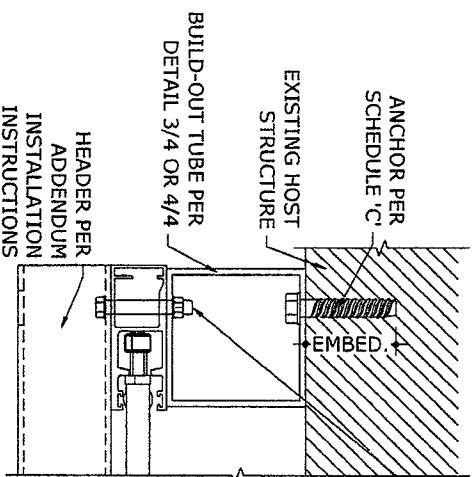
HEADER CONNECTION DETAILS



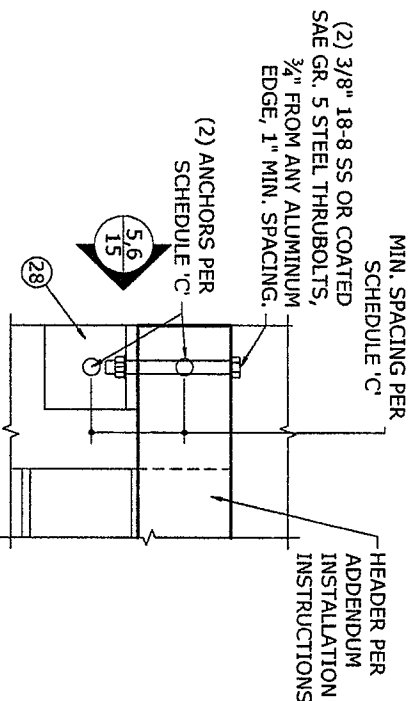
1 BUILD-OUT & WALL MOUNT
ELEV
15 N.T.S.



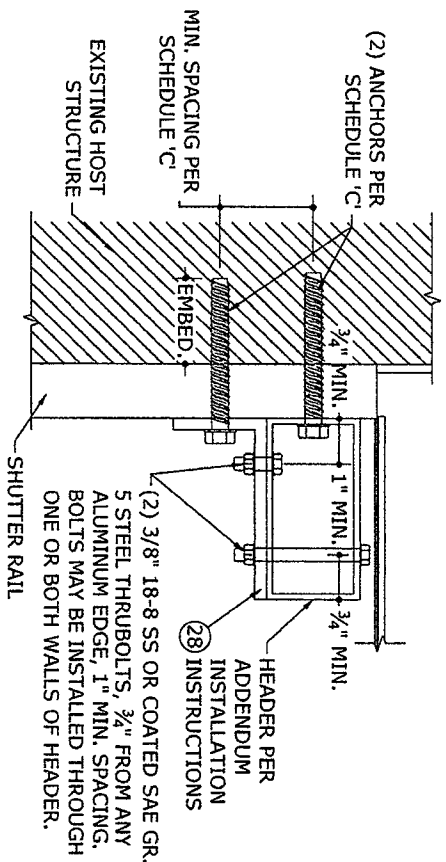
2 WALL MOUNT
HORIZ SECTION
15 N.T.S.



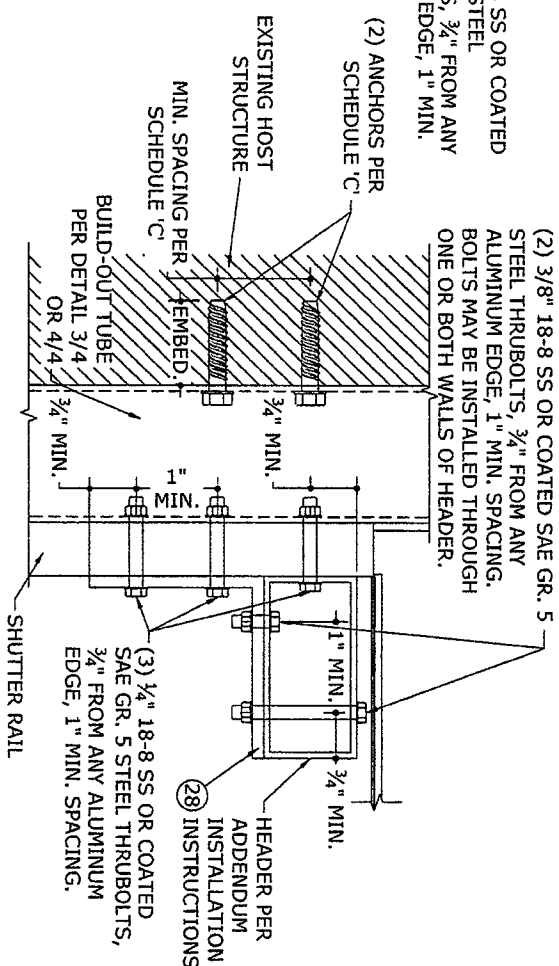
3 BUILD-OUT MOUNT
HORIZ SECTION
15 N.T.S.



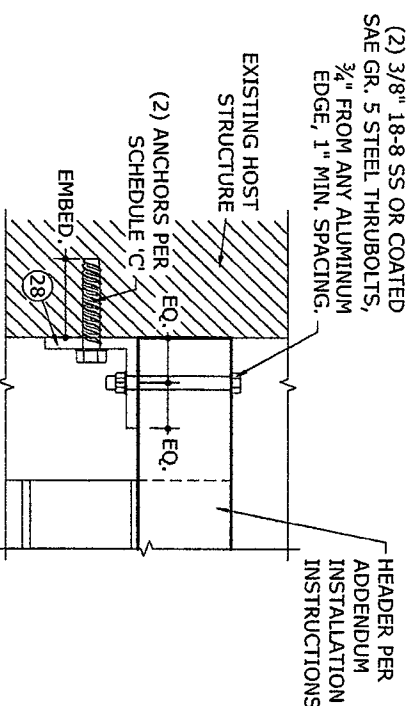
4 BUILD-OUT & WALL MOUNT
ELEV
15 N.T.S.



5 WALL MOUNT
VERT SECTION
15 N.T.S.



6 BUILD-OUT MOUNT
VERT SECTION
15 N.T.S.



7 INTERIOR MOUNT
ELEV
15 N.T.S.

SCHEDULE 'C'

ANCHOR TYPE	MINIMUM SPACING	MINIMUM EDGE DISTANCE	MOUNTING CONDITION	NUMBER OF ANCHORS	CONNECTION CAPACITY
3/8" POWERS WEDGE BOLTS W/ 3-1/2" EMBED TO GROUT-FILLED CONCRETE BLOCK	6.0"	12.0"	BUILD-OUT OR WALL MOUNT	1	2200 LB
3/8" POWERS WEDGE BOLTS W/ 3-1/2" EMBED TO 3KSI MIN. CONCRETE	4.5"	4.5"	BUILD-OUT OR WALL MOUNT	2	3093 LB
3/8" POWERS WEDGE BOLTS W/ 1-9/16" EMBED TO 3KSI MIN. CONCRETE	4.5"	5.25"	BUILD-OUT OR WALL MOUNT	1	1533 LB
3/8" POWERS WEDGE BOLTS W/ 1-9/16" EMBED TO 3KSI MIN. CONCRETE	2.5"	4.5"	BUILD-OUT OR WALL MOUNT	2	3065 LB
5/16" ITW TAPCON XL OR ELCO ULTRACON W/ 2-1/4" MIN. EMBED TO 3.5KSI MIN. CONCRETE	5.0"	4.0"	BUILD-OUT OR WALL MOUNT	1	1477 LB
5/16" ITW TAPCON XL OR ELCO ULTRACON W/ 2-1/4" MIN. EMBED TO GROUT-FILLED CONCRETE BLOCK	5.0"	3.125"	BUILD-OUT OR WALL MOUNT	2	2952 LB
5/16" LAG SCREW W/ 2" MIN. THREAD PENETRATION TO G-0.42 MIN WOOD	2.0"	1.25"	BUILD-OUT OR WALL MOUNT	1	1272 LB
			BUILD-OUT OR WALL MOUNT	2	2544 LB
			BUILD-OUT OR WALL MOUNT	1	1290 LB
			BUILD-OUT OR WALL MOUNT	2	2580 LB
			BUILD-OUT OR WALL MOUNT	1	1100 LB
			BUILD-OUT OR WALL MOUNT	2	2200 LB
			BUILD-OUT OR WALL MOUNT	1	795 LB
			BUILD-OUT OR WALL MOUNT	2	1590 LB
			BUILD-OUT OR WALL MOUNT	1	1145 LB
			BUILD-OUT OR WALL MOUNT	2	2290 LB
			BUILD-OUT OR WALL MOUNT	1	461 LB
			BUILD-OUT OR WALL MOUNT	2	922 LB
			BUILD-OUT OR WALL MOUNT	1	664 LB
			BUILD-OUT OR WALL MOUNT	2	1328 LB
			BUILD-OUT OR WALL MOUNT	1	788 LB
			BUILD-OUT OR WALL MOUNT	2	1576 LB
			BUILD-OUT OR WALL MOUNT	1	851 LB
			BUILD-OUT OR WALL MOUNT	2	1702 LB
			BUILD-OUT OR WALL MOUNT	1	292 LB
			BUILD-OUT OR WALL MOUNT	2	584 LB
			BUILD-OUT OR WALL MOUNT	1	372 LB
			BUILD-OUT OR WALL MOUNT	2	744 LB
			BUILD-OUT OR WALL MOUNT	1	655 LB
			BUILD-OUT OR WALL MOUNT	2	1311 LB
			BUILD-OUT OR WALL MOUNT	1	151 LB
			BUILD-OUT OR WALL MOUNT	2	301 LB

- NOTES:**
- ALL ANCHORS SHALL BE 3/4" MINIMUM FROM ANY ALUMINUM EDGE.
 - FOR INSTALLATIONS TO GROUT FILLED BLOCK, ANCHOR SHALL PENETRATE THROUGH FACE SHELL INTO GROUTED CELL.

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15 of 15