

*Platinum Advanced Technologies,
Inc*

PRODUCT EVALUATION REPORT

Performance Series Foam-filled Metal Stud Wall

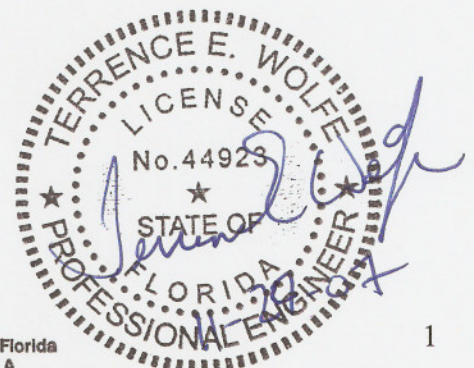
NON-IMPACT RATED ASSEMBLY

Evaluator:

Terrence E. Wolfe, P.E. # 44923
2405-a S. Houston Ave., Suite 500
Humble, TX 77396

Validator:

Locke Bowden, P.E.
Florida Registration #49704
9450 Alysbery Place
Montgomery, AL 36117



Reference: 9B-72.130(2), F.A.C.**MANUFACTURER:**

Platinum Advanced Technologies, Inc
 5999 Central Ave.
 St. Petersburg, FL 33710
 (800) 961-4880

STATEMENT OF COMPLIANCE WITH THE FOLLOWING CODE CRITERIA:

Florida Building Code 2004:

Chapter 1: Section 104.11.2

Chapter 14: Exterior Walls

Chapter 16: Structural Loads

Chapter 17: Section 1711

Chapter 22: Steel

Chapter 26: Plastic

PRODUCT DESCRIPTION:

Panels are assembled in 48" Wide x 120" Height x 3.5" or 5.5" thick foamed filled metal stud units. The support framing is constructed from 20 Ga. (.0329") or 18 Ga. (.0428") galvanized steel c-channel studs. Each stud is secured to a 20 Ga. galvanized steel c-channel top & bottom plate w/ two 0.187" diameter by 0.315" long rivets with head diameter of 0.375" at the top and at the bottom (4 total). The studs are placed @ 16" O.C. or 24" O.C. spacing. The space between the studs is partially filled with polyurethane foam (NCFI 23-004 by North Carolina Foam Industries) and a fiberglass fabric (Fabric DB 170S by OC-CSB-Fabrics) is laminated on the exterior surface only.

TECHNICAL DOCUMENTATION SUPPORTING COMPLIANCE STATEMENT**A. DETAILS****A. STRUCTURAL TESTING:**

- a) **Test Report T283-07 #A20/1-A20/3, by Farabaugh Engineering & Testing.**
 - 1. ASTM E 72-05
 - A. Axial Loading = 7108 lbs per 4' wide 20ga stud frame panel
- b) **Test Report T283-07 #A18/1-A18/3, by Farabaugh Engineering & Testing.**
 - 1. ASTM E 72-05
 - B. Compressive Loading = 9120 lbs per 4' wide 18ga stud frame panel
- c) **Test Report T282-07 #S18/1-S18/3, by Farabaugh Engineering & Testing**
 - 1. ASTM E 72-05
 - B. Racking Load Test = 1081 lbs on 4' wide by 10' high panel
- d) **Test Report T282-07 #S20/1-S20/3, by Farabaugh Engineering & Testing**
 - 1. ASTM E 72-05
 - A. Racking Load Test = 1260 lbs on 4' wide by 10' high panel
- e) **Test Report #254-0237T-07, dated 10-31-07, by Force Engineering & Testing.**
 - 1. ASTM E 72-05
 - A. Transverse Loading = 31.7 psf (350S150-33 stud frame)
 - B. Transverse Loading = 51.5 psf (350S150-43 stud frame)

C. TESTS FOR FOAM PLASTIC PROPERTIES PER CHAPTER 26

- 1. ASTM E 84-03, Omega Point Laboratories Report # 15383 -122291
Smoke-Developed Index 350, Flame Spread Index 25
- 2. ASTM E 84-05, Fabric DB 170S, Report #87004 by Owens Corning
Smoke-Developed Index 5, Flame Spread Index 5

INSTALLATION REQUIREMENTS:**General:**

The manufacturers' published installation instructions and this report shall be strictly adhered to, and a copy of the installation instructions shall be available at all times on site during the installation of this product.

Allowable Structural Loads for Performance Series Panels:

Allowable axial, transverse, racking, floor and top track anchorage are noted in Tables 2 through 7. For loads greater than those specified in Tables 2 through 7, the specific condition shall be framed by other methods to meet applicable code requirements.

Wall Covering:

Panels at the time of erection and placement, shall be covered on the exterior by a water-resistive wrap as required by the Florida Building Code Chapter 14 (Exterior Walls). The exterior of the wall panels shall be covered with an approved exterior wall covering. Installation methods of the product approved wall covering shall be in accordance with the manufacturer's recommendations subject to the approval by the local building code official.

Interior:

Panels shall be covered on the interior of the building by a pre-approved thermal barrier of .5 inch (12.7 mm) gypsum wall board or equivalent thermal barrier material that will limit the average temperature rise if the unexposed surface to not more than 250 ° F (120 ° C) after 15 minutes if fire exposure, complying with the standard time-temperature curve of ASTM E 119. See Section 2603.4 of the FBC for additional requirements or exceptions.

LIMITATIONS AND CONDITIONS OF USE FOR NON-HVHZ:

See Load Tables 2 through 7 for loading and limitations of use.

Wall panel units used for components and cladding only shall use Load Tables 4, 5, 6 and 7 for Transverse loading.

Any wall panels used for the Main Wind Frame Resistance System must be designed by a professional engineer or licensed Architect using the load tables that are part of this report.

DESIGN PROCEDURE:

Based on the dimensions of the structure, appropriate loads are determined using Chapter 16 of the FBC for all wall loading both horizontal, lateral, and vertical conditions. The component wind loads for wall cladding are used to determine the design bending moment for the structural wall and combined with the "worst" case design axial loads from the trusses bearing above. Structural wall panels designated as shear walls must also be evaluated for lateral loading and drift. All load bearing structural walls panels must be evaluated by an engineer to verify that all panel connections from the top of the wall to the slab, meet the FBC Chapter 16 load requirements.

TABLE 1-PRODUCT SPECIFICATIONS

FOAM PROPERTIES :	THERMAL PERFORMANCE:	MOISTURE:	FIRE SAFETY:
Compressive Strength: 35 psi.	Conductivity of Foam: 0.144 Btu-in/ft ² hr°F	Vapor Permeability: 2-3 perm / in	Finish Rating: Sheetrock req'd on inside.
Compressive Modulus: 790 psi.	Minimum R Value: 6.9 per inch of thickness	Absorption: 2.4%	Foam Fire Rating: Class 1
Tensile Strength: 58 psi.		Solvent Resistance: Excellent	Smoke Developed: <450 ASTM E-84
Tensile Modulus: 325 psi.		Mold/Mildew Resistance: Excellent	Flame Spread: <25 ASTM E-84
Shear Strength: 28 psi.			Min. Self Ignition 962o F
Shear Modulus: 325 psi.			Min. Flash Ignition: 833o F

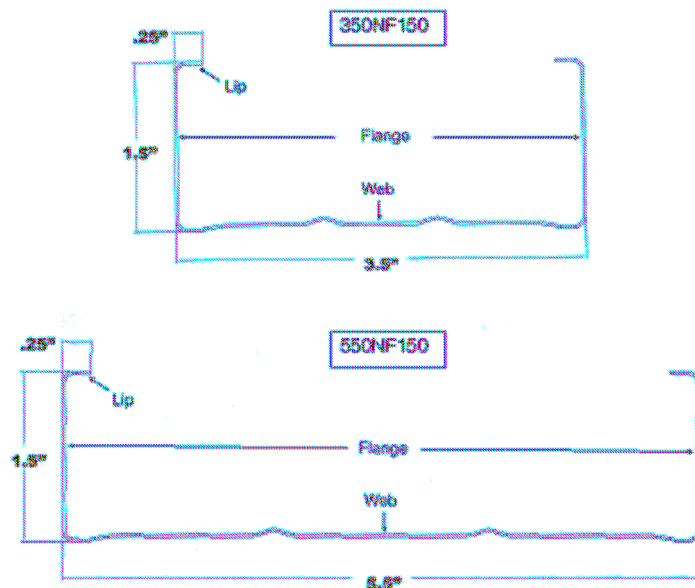
Steel Frame Specifications

Platinum Advanced Technologies uses NUCONSTEEL™ Framing Members. The load bearing steel framing members are cold-formed C-shapes produced from structural quality steel complying with the requirements of one of the following:

1. ASTM A653 / A653M: SS Grades 33, 37, 40, & 50 (Class 1 and 3); or
2. ASTM A792 / A792M: Grades 33, 37, 40, & 50 (Class 1); or
3. ASTM A875 / A875M: SS Grades 33, 37, 40, & 50 (Class 1 and 3); or
4. ASTM A1003 / A1003M
5. Steels that comply with ASTM A653, except for tensile and elongation requirements, are permitted provided the ratio of tensile strength to yield point is at least 1.08 and the total elongation is at least 10 percent for a two-inch gage length or 7 percent for an eight-inch gage length.

C-Shape Dimensions

Framing members consist of NUCONSTEEL™ C-Shapes with nominal dimensions and properties shown in tables below. The same members are used for studs, joists, blocking and tracks.



Properties of C-shaped Members:

Sections	Design Thickness In	Area In ²	Weight lb/ft	Gross Properties					Effective Properties (33 ksi)				Effective Properties (50 ksi)			
				I _x In ⁴	S _x In ³	R _x In	I _y In ⁴	R _y In	A _e In ²	I _x In ⁴	S _x In ³	M _a In-k	A _e In ²	I _x In ⁴	S _x In ³	M _a In-k
Series 735																
350NF150-33	0.0346	0.233	0.799	0.451	0.26	1.407	0.063	0.519	0.15	0.419	0.223	4.408	0.128	0.308	0.207	6.183
350NF150-43	0.0451	0.301	1.043	0.502	0.334	1.402	0.079	0.514	0.231	0.568	0.312	6.175	0.196	0.535	0.284	8.511
Series 755																
550NF150-33	0.0346	0.901	1.027	1.299	0.471	2.078	0.071	0.486	0.153	1.195	0.414	8.139	0.13	1.071	0.345	10.345
550NF150-43	0.0451	0.39	1.339	1.673	0.607	2.071	0.09	0.481	0.238	1.613	0.573	11.322	0.201	1.533	0.531	15.887

Torsional Properties					
	J _{x1} /1000 In ⁴	C _w In ⁶	X _a In	F _a In	I _x In
Series 735					
350NF150-33	0.093	0.144	-1.019	1.813	1.995
350NF150-43	0.204	0.181	-1.006	1.8	1.988
Series 755					
550NF150-33	0.13	0.396	-0.845	2.295	3.139
550NF150-43	0.264	0.499	-0.834	2.284	3.143

Notes

1. Section properties are calculated in accordance with the North American Specification for the Design of Cold Formed Steel Structural Members, 2001 Edition.
2. The minimum delivered steel thickness per code is 95% of the design thickness.
3. Steel shall conform to ASTM A653 Structural Grade 50 or Grade 33 with minimum yield strengths of 50,000 psi or 33,000 psi, respectively.

Steel shall be galvanized in accordance with ASTM A924 Coating Class G60.

Material Thickness

Framing members meet or exceed the minimum (uncoated) thickness values given in the table below:

Designation (mils)	Minimum Steel Thickness (inches)	Reference Gauge Number
21	0.0209	24
27	0.0269	22
33	0.0329	20
43	0.0428	18

Yield Strength and Coating

The yield strength of steel shall be 33ksi or 50ksi. Members shall have a minimum galvanized coating thickness of G60 for load-bearing members and G40 for non load-bearing members.

Framing members used in buildings located in harsh environments (e.g. coastal areas) might require greater corrosion protection (e.g. G90). Steel framing members cannot be in direct contact with moisture from the ground or directly exposed to the outdoors.

Data and Specifications Courtesy of NUCONSTEEL™. Platinum Advanced Technologies, Inc. is a customer of NUCONSTEEL™ and all rights to data and steel structural members are the sole property of NUCONSTEEL™, a Nucor Company.

PERFORMANCE SERIES

TABLE 2 - WALL AXIAL LOADING

	PANEL HEIGHT	350S150-33 PARTIAL FOAMED	350S150-43 PARTIAL FOAMED
		24" O.C. STUD SPACING	24" O.C. STUD SPACING
AXIAL LOAD (PLF)	10'-0"	1,777	2,280

- 1) Maximum allowable axial load is limited to the loads tabulated for axial condition alone.
- 2) Ultimate failure load divided by a safety factor of 1.9466 was tabulated per AISI for 350S150-33
- 3) Ultimate failure load divided by a safety factor of 1.9466 was tabulated per AISI for 350S150-43
- 4) Values are based on a maximum height to width ratio of 2.5:1.
- 5) Load values were determined from ASTM E-72-05 testing conducted by FET Report T283-07 #A20/1-A20/3.
- 6) Load values were determined from ASTM E-72-05 testing conducted by FET Report T283-07 #A18/1-A18/3.

WALL - INTERACTION EQUATION

This equation is used to determine design suitability. The equation takes into account the ultimate load for a panel subjected to both axial and transverse (bending) conditions:

$$\frac{\text{design axial load}}{\text{allowable axial load}} + \frac{\text{design transverse load}}{\text{allowable transverse load}} \leq 1$$

PERFORMANCE SERIES

TABLE 3 - SHEAR WALL LOADING

		PANEL HEIGHT	350S150-33 PARTIAL FOAMED			
			24" O.C STUD SPACING			
RACKING SHEAR	10'-0"		315 PLF			
	WALL DEFLECTION	H/480	H/360	H/240	H/180	
RACKING SHEAR		146 PLF	203 PLF	309 PLF	315 PLF	

- 1) Ultimate failure load divided by a safety factor of 1.947 was tabulated per AISI for 350S150-33
 2) Values are based on a maximum height to width ratio of 2.5:1.
 3) Simpson HD 8 Anchors were used to anchor the ends of the stud wall panel to the floor.
 4) 18ga top & bottom tracks must be continuous over shear wall and secured per installation Detail 1-4
 5) Racking Load values were determined from ASTM E-72-05 testing conducted by FET
 Report T282-07 Test # S-20/1, S-20/2, S-20/3.

		PANEL HEIGHT	350S150-43 PARTIAL FOAMED			
			24" O.C STUD SPACING			
RACKING SHEAR	10'-0"		270 PLF			
	WALL DEFLECTION	H/480	H/360	H/240	H/180	
RACKING SHEAR		170 PLF	232 PLF	270 PLF	270 PLF	

- 1) Ultimate failure load divided by a safety factor of 1.947 was tabulated per AISI for 550S150-43
 3) Values are based on a maximum height to width ratio of 2.5:1.
 3) Simpson HD 8 Anchors were used to anchor the ends of the stud wall panel to the floor.
 5) 18ga top & bottom tracks must be continuous over shear wall and secured per installation Detail 1-4
 7) Racking Load values were determined from ASTM E-72-05 testing conducted by FET
 Report # T282-07 Test # S-18/1, S-18/2, S-18/3.

PERFORMANCE SERIES**TABLE 4 - TRANSVERSE LOADING (PSF)**

350S150-33 STUDS FLANGE FULLY BRACED									
STUD SPACING	12"			16"			24"		
DEFLECTION	L/360	L/240	L/180	L/360	L/240	L/180	L/360	L/240	L/180
4 ft	198	198	198	148.8	148.8	148.8	99.00	99.00	99.00
5 ft	126.7	126.7	126.7	95.3	95.3	95.3	63.30	63.30	63.30
6 ft	88	88	88	66.2	66.2	66.2	44.00	44.00	44.00
7 ft	60.1	64.6	64.6	45.2	48.6	48.6	30.10	32.30	32.30
8 ft	40.3	49.5	49.5	30.3	37.2	37.2	20.10	24.70	24.70
9 ft	28.3	39.1	39.1	21.3	29.4	29.4	14.10	19.60	19.60
10 ft	20.6	30.9	31.7	15.5	23.3	23.8	10.30	15.50	15.80

- 1) Allowable loads are in PSF.
- 2) Limited to ultimate failure load divided by a safety factor of 1.947 per the 2001 North American Specification for the design of Cold-formed Steel Structural Members, Chapter F.
- 3) Wall panels have partially foamed core and are fully sheathed with a Min. of 1/2" gypsum board. See Detail 5 & 6.
- 4) Load values were determined from ASTM E-72 testing conducted by FET in Report #254-0237T-07
- 5) Load values for 16" are based on actual testing of both stud spacings.
- 6) Load values for 12" & 24" stud spacing are based on values interpolated from 16" o.c. testing.

PERFORMANCE SERIES**TABLE 5 - TRANSVERSE LOADING (PSF)**

350S150-43 STUDS FLANGE FULLY BRACED									
STUD SPACING	12"			16"			24"		
DEFLECTION	L/360	L/240	L/180	L/360	L/240	L/180	L/360	L/240	L/180
4 ft	321.8	321.8	321.8	242	242	242	105.90	105.90	105.90
5 ft	205.1	206	206	154.2	154.9	154.9	67.80	67.80	67.80
6 ft	118.7	143	143	89.2	107.5	107.5	47.10	47.10	47.10
7 ft	74.7	105.1	105.1	56.2	79	79	34.60	34.60	34.60
8 ft	50.1	75.1	80.5	37.6	56.5	60.5	26.50	26.50	26.50
9 ft	35.2	52.7	63.6	26.4	39.7	47.8	20.70	20.90	20.90
10 ft	25.6	38.4	51.3	19.3	28.9	38.5	15.10	16.90	16.90

- 1) Allowable loads are in PSF.
- 2) Limited to ultimate failure load divided by a safety factor of 1.947 per the 2001 North American Specification for the design of Cold-formed Steel Structural Members, Chapter F.
- 3) Wall panels have partially foamed core and are fully sheathed with a Min. of 1/2" gypsum board. See Detail 5 & 6.
- 4) Load values were determined from ASTM E-72 testing conducted by FET in Report #254-0237T-07
- 5) Load values for 16" and 24" are based on actual testing of both stud spacings.
- 6) Load values for 12" stud spacing are based on values interpolated from 16" o.c. testing.

TABLE 6 - BASE TRACK ANCHORAGE & LOADING

BASE TRACK TYPE	A-BOLT	BASE TRACK ALLOWABLE LOADS			
	SPACING	H-WIND	A-BOLT SHEAR	UPLIFT	A-BOLT TENSION
350T200-43 OR 550T200-43	16"	200 PLF	304 LBS	450 PLF	690 LBS
	16"	250 PLF	380 LBS	410 PLF	620 LBS
	16"	300 PLF	456 LBS	370 PLF	560 LBS
	16"	350 PLF	532 LBS	310 PLF	470 LBS
	16"	400 PLF	608 LBS	240 PLF	370 LBS

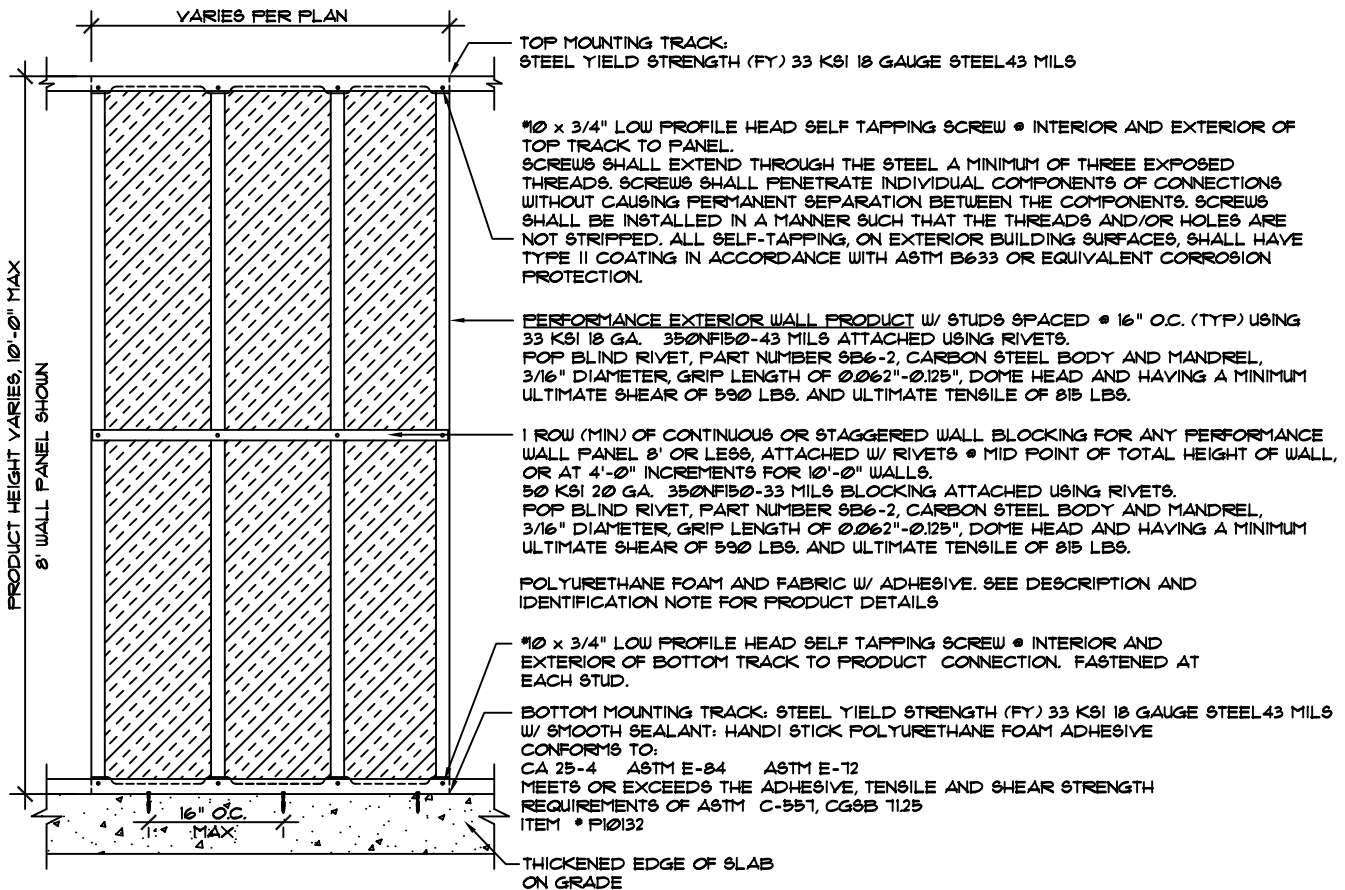
- 1) Base track was evaluated per AISI standards for bending and shear in the strong axis.
- 2) Anchorage loads for shear and tension are based on a min. concrete edge distance of 2-1/4".
- 3) Minimum concrete slab strength is 4000 psi and a minimum base material depth of 4".
- 4) Stud wall assembly must be installed into base track per Platinum Details 7,8, & 9.
- 5) All anchorage capacities are based on Powers Wedge-bolt 1/4" x 3" fasteners.(914-235-6000)
- 6) Base track allowable loads are based on checking the interaction equations for combined shear & bending for the base track; combined shear & tension on the A-bolt; combined pullover & bearing on the track web; and the allowable fastener shear for fastening the base track to a 20ga stud wall.

TABLE 7 - TOP TRACK ANCHORAGE & LOADING

TOP TRACK TYPE	TRUSS	TOP TRACK ALLOWABLE LOADS			
	SPACING	H-WIND	FASTENER SHEAR	UPLIFT	FASTENER TENSION
350T200-43 OR 550T200-43	16"	265 PLF	1072 LBS	665 LBS	665 LBS
	24"	176.7 PLF	1072 LBS	665 LBS	665 LBS

- 1) Top track was evaluated per AISI standards for bending and shear in the strong axis.
- 2) Fastener loads for shear and tension are based on #10-16 x 1" #3SD into 18ga 33 ksi material.
- 3) Stud wall assembly must be installed into top track per Platinum Details 1,2,3,4, & 10.
- 4) Truss web must be a minimum of 18ga 33 ksi material.
- 5) Clip connection is based on Dietrich Uni-clip TM with 4ea #10-16 x 1" #3SD fasteners per clip flange.

NOTE:
SCREWS FOR STEEL-TO-STEEL CONNECTIONS SHALL BE INSTALLED WITH A MINIMUM EDGE DISTANCE OF 15 SCREWS DIAMETERS AND CENTER TO CENTER SPACING OF 3 SCREW DIAMETERS, AND SHALL BE SELF-TAPPING IN COMPLIANCE WITH SAE J18



1 EXTERIOR WALL PRODUCT 3 1/2" (TYP.)

SCALE: 3/4" = 1'-0"



PLATINUM PERFORMANCE WALL PRODUCT NOTE:

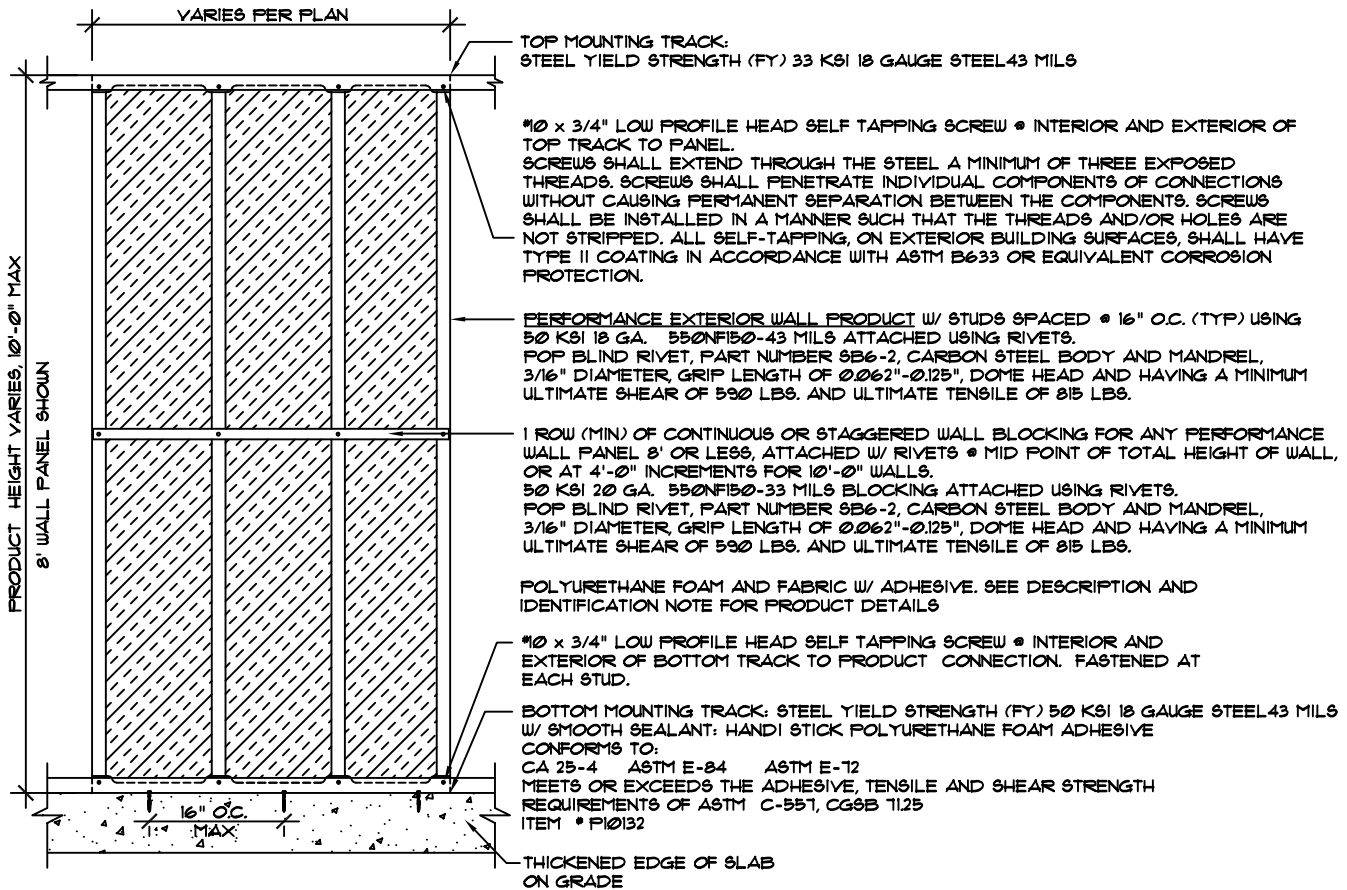
NCFI LOW DENSITY FOUR SYSTEM 23-002 POLYURETHANE FOAM, THICKNESS 2 1/2" PER CAVITY W/ FABRIC ON EXTERIOR FACE GLUED TO EXTERIOR FACE OF STUDS.

GLUE ON EXTERIOR SIDE
R.S. HUGHES COMPANY
3M ADHESIVE SPRAY 90 HI-STRENGTH

FIBERGLASS WOVEN FABRIC ON EXTERIOR SIDE
OWENS-CORNING
D3 170-S OR EQUIVALENT

NOTE:

SCREWS FOR STEEL-TO-STEEL CONNECTIONS SHALL BE INSTALLED WITH A MINIMUM EDGE DISTANCE OF 1.5 SCREWS DIAMETERS AND CENTER TO CENTER SPACING OF 3 SCREW DIAMETERS, AND SHALL BE SELF-TAPPING IN COMPLIANCE WITH SAE J18



2

EXTERIOR WALL PRODUCT 5 1/2" (TYP.)

SCALE: 3/4" = 1'-0"

0" 1" 2" 3"

PLATINUM PERFORMANCE WALL PRODUCT NOTE:

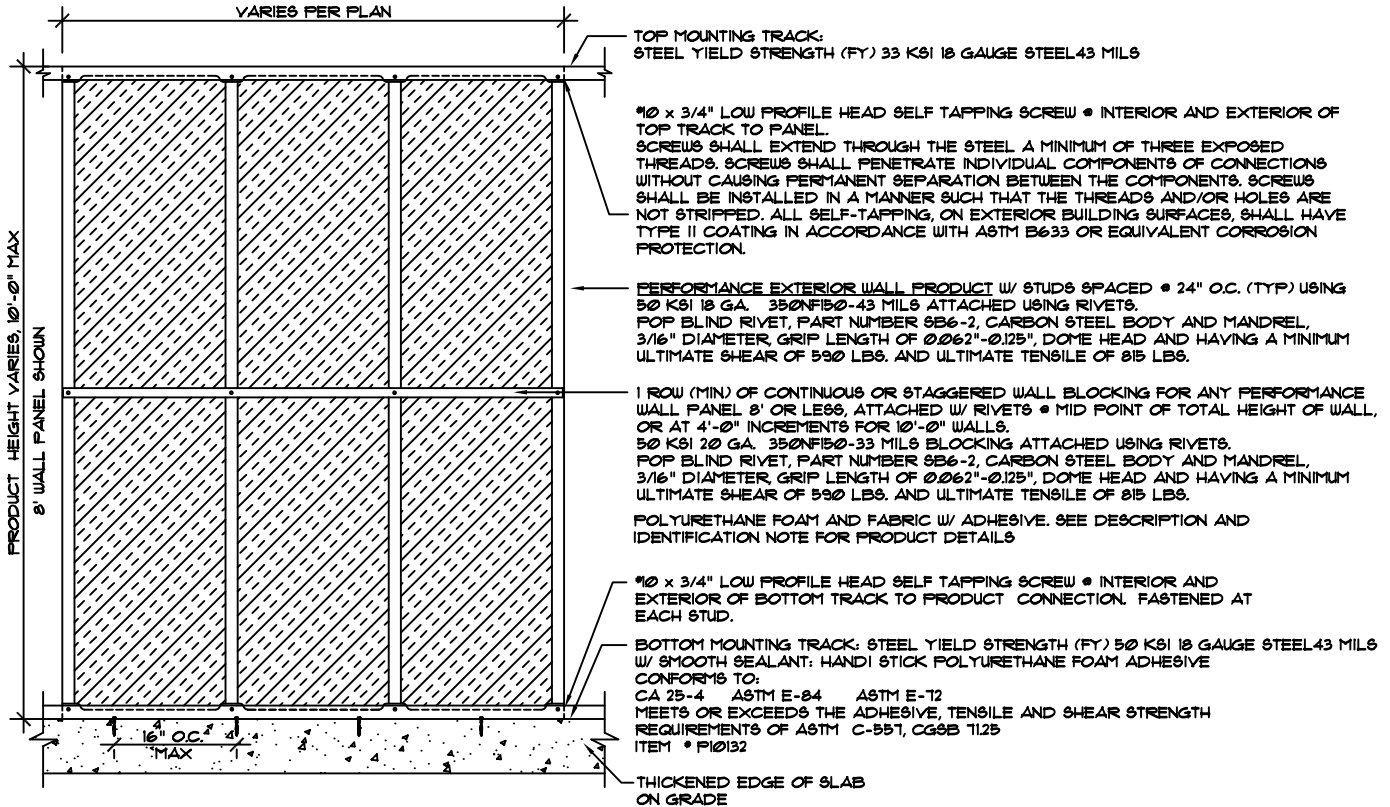
NCFI LOW DENSITY FOUR SYSTEM 23-002 POLYURETHANE FOAM, THICKNESS 3" PER CAVITY W/ FABRIC ON EXTERIOR FACE GLUED TO EXTERIOR FACE OF STUDS.

GLUE ON EXTERIOR SIDE
R.S. HUGHES COMPANY
3M ADHESIVE SPRAY 90 HI-STRENGTH

FIBERGLASS WOVEN FABRIC ON EXTERIOR SIDE
OWENS-CORNING
D3 170-S OR EQUIVALENT

NOTE:

SCREWS FOR STEEL-TO-STEEL CONNECTIONS SHALL BE INSTALLED WITH A MINIMUM EDGE DISTANCE OF 1 1/2" SCREWS DIAMETERS AND CENTER TO CENTER SPACING OF 3 SCREW DIAMETERS, AND SHALL BE SELF-TAPPING IN COMPLIANCE WITH SAE J18



3

EXTERIOR WALL PRODUCT 3 1/2" (TYP.)

SCALE: 3/4" = 1'-0"

0" 1" 2" 3"

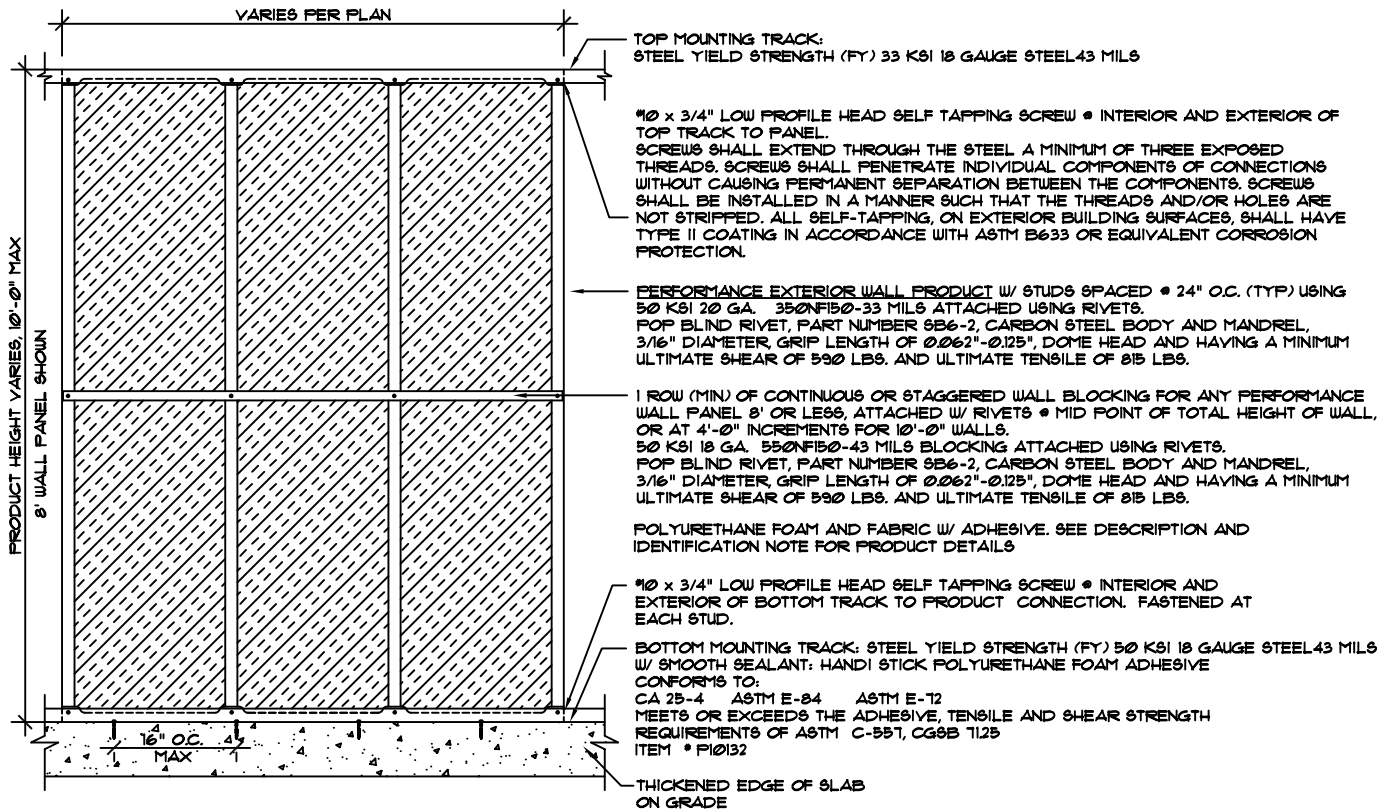
PLATINUM PERFORMANCE WALL PRODUCT NOTE:

NCFI LOW DENSITY FOUR SYSTEM 23-002 POLYURETHANE FOAM, THICKNESS 2 1/2" PER CAVITY W/ FABRIC ON EXTERIOR FACE GLUED TO EXTERIOR FACE OF STUDS.

GLUE ON EXTERIOR SIDE
R.S. HUGHES COMPANY
3M ADHESIVE SPRAY 90 HI-STRENGTH

FIBERGLASS WOVEN FABRIC ON EXTERIOR SIDE
OWENS-CORNING
D3 170-S OR EQUIVALENT

NOTE:
SCREWS FOR STEEL-TO-STEEL CONNECTIONS SHALL BE INSTALLED WITH A MINIMUM EDGE DISTANCE OF 1.5 SCREWS DIAMETERS AND CENTER TO CENTER SPACING OF 3 SCREW DIAMETERS, AND SHALL BE SELF-TAPPING IN COMPLIANCE WITH SAE J18



4 EXTERIOR WALL PRODUCT 5 1/2" (TYP.)
SCALE: 3/4" = 1'-0"
0" 1" 2" 3"

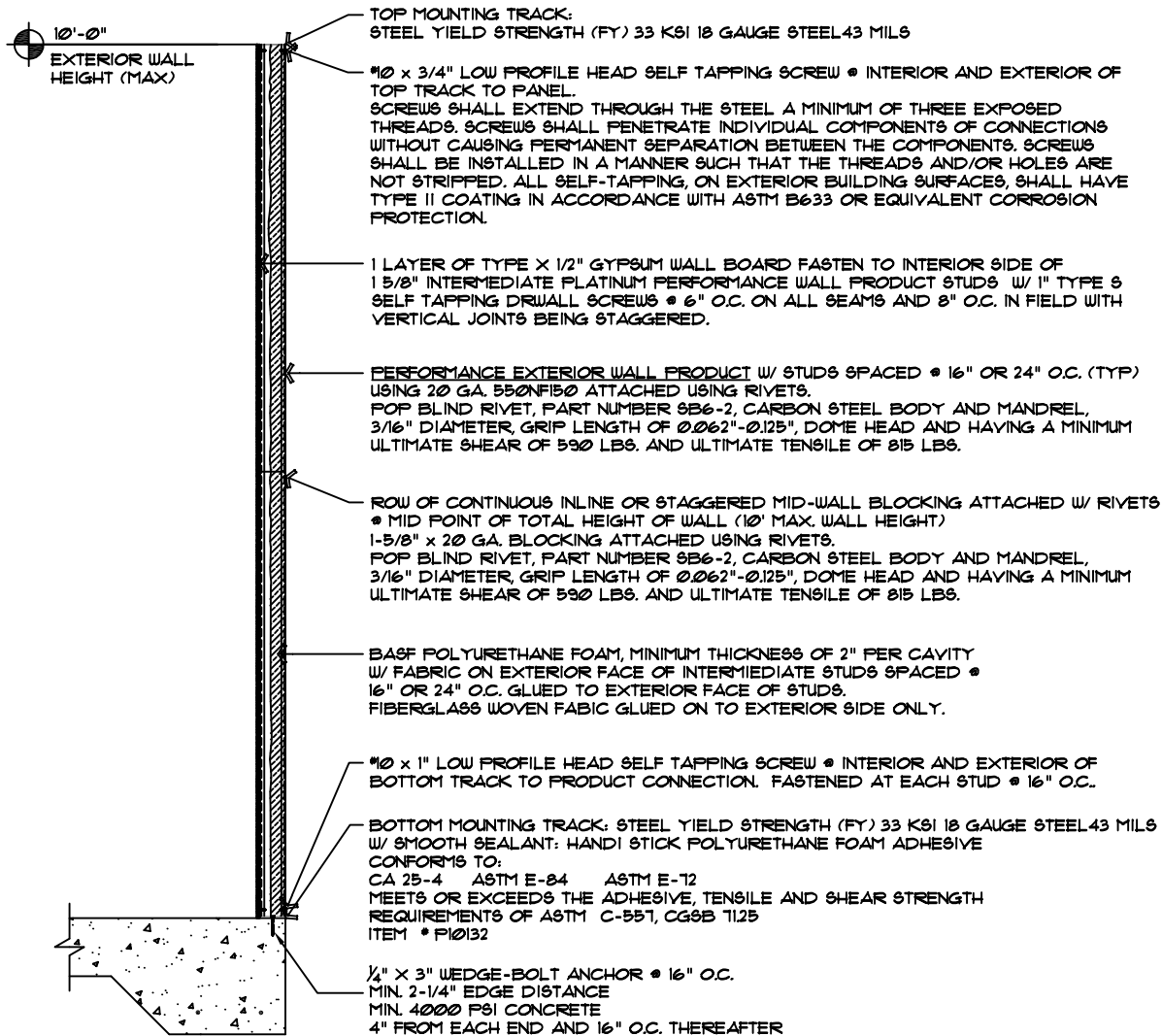
PLATINUM PERFORMANCE WALL PRODUCT NOTE:

NCFI LOW DENSITY FOUR SYSTEM 23-002 POLYURETHANE FOAM, THICKNESS 3" PER CAVITY W/ FABRIC ON EXTERIOR FACE GLUED TO EXTERIOR FACE OF STUDS.

GLUE ON EXTERIOR SIDE
R.S. HUGHES COMPANY
3M ADHESIVE SPRAY 90 HI-STRENGTH

FIBERGLASS WOVEN FABRIC ON EXTERIOR SIDE
OWENS-CORNING
D3 170-6 OR EQUIVALENT

NOTE:
SCREWS FOR STEEL-TO-STEEL CONNECTIONS SHALL BE INSTALLED WITH A MINIMUM EDGE DISTANCE OF 15 SCREWS DIAMETERS AND CENTER TO CENTER SPACING OF 3 SCREW DIAMETERS, AND SHALL BE SELF-TAPPING IN COMPLIANCE WITH SAE J18



5 3 1/2" EXTERIOR WALL PRODUCT SECTION (TYP.)
SCALE: 3/4" = 1'-0"

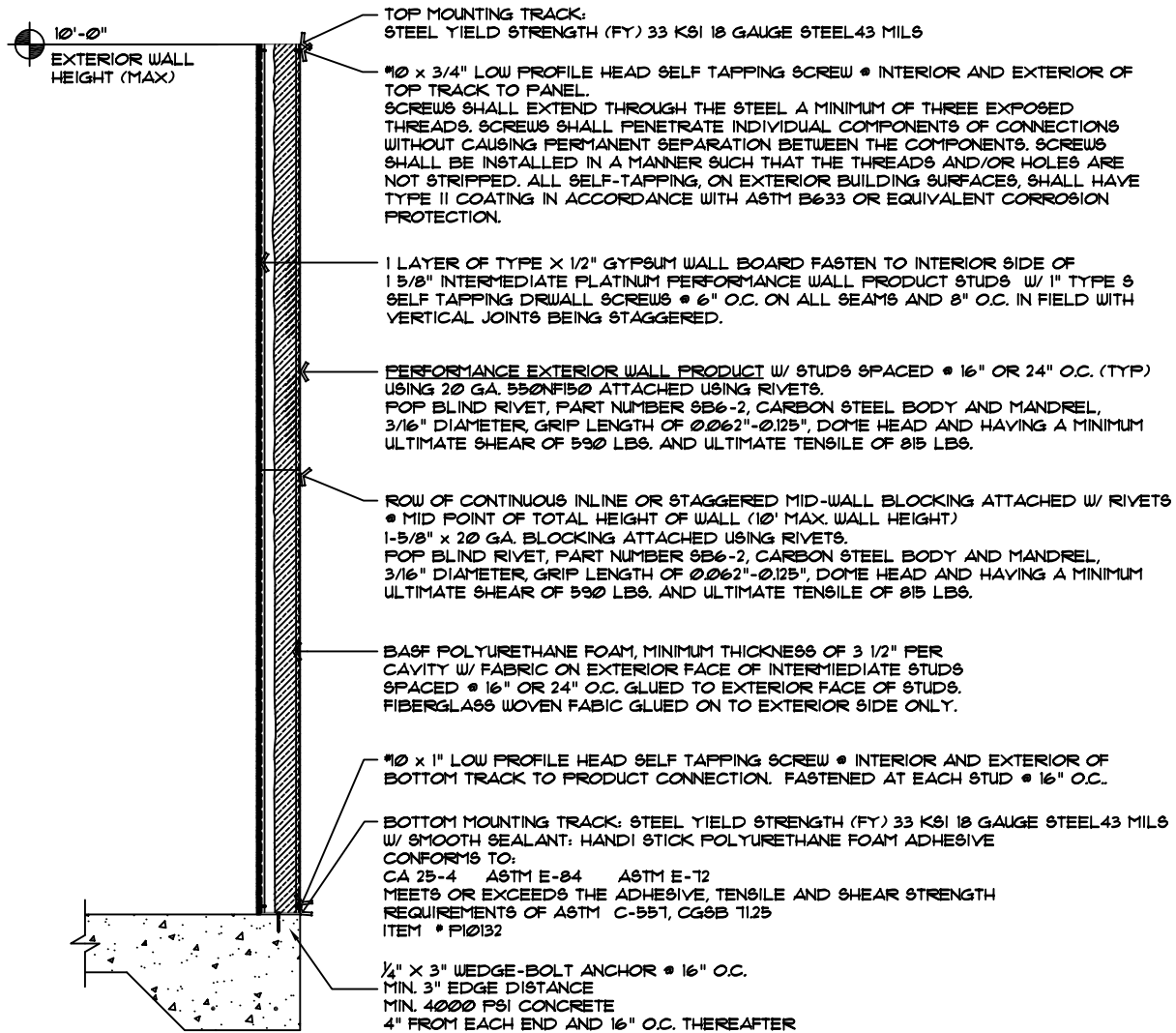
PLATINUM PERFORMANCE WALL PRODUCT NOTE:

NCFI LOW DENSITY FOUR SYSTEM 23-002 POLYURETHANE FOAM, THICKNESS 3" PER CAVITY W/ FABRIC ON EXTERIOR FACE GLUED TO EXTERIOR FACE OF STUDS.

GLUE ON EXTERIOR SIDE
R.S. HUGHES COMPANY
3M ADHESIVE SPRAY 90 HI-STRENGTH

FIBERGLASS WOVEN FABIC ON EXTERIOR SIDE
OWENS-CORNING
D3 170-S OR EQUIVALENT

NOTE:
SCREWS FOR STEEL-TO-STEEL CONNECTIONS SHALL BE INSTALLED WITH A MINIMUM EDGE DISTANCE OF 1.5 SCREWS DIAMETERS AND CENTER TO CENTER SPACING OF 3 SCREW DIAMETERS, AND SHALL BE SELF-TAPPING IN COMPLIANCE WITH SAE J18



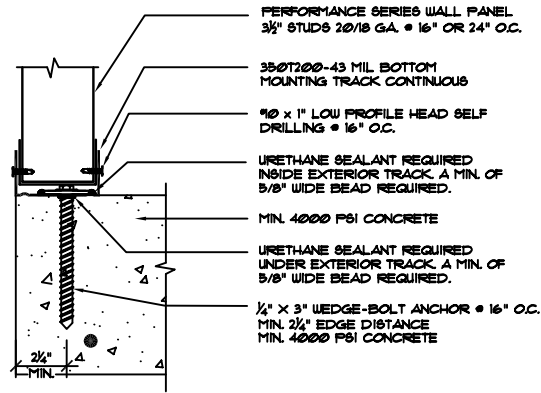
6 5 1/2" EXTERIOR WALL PRODUCT SECTION (TYP.)
SCALE: 3/4" = 1'-0"
0" 1" 2" 3"

PLATINUM PERFORMANCE WALL PRODUCT NOTE:

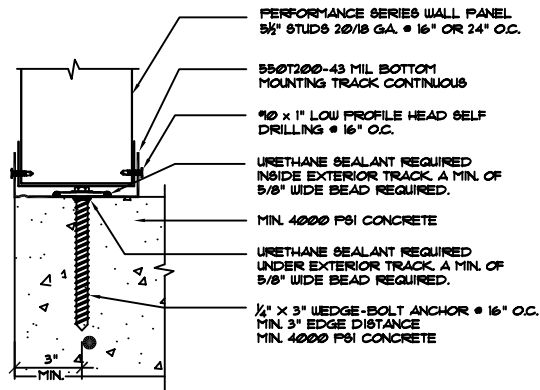
NCFI LOW DENSITY FOUR SYSTEM 23-002 POLYURETHANE FOAM, THICKNESS 3" PER CAVITY W/ FABRIC ON EXTERIOR FACE GLUED TO EXTERIOR FACE OF STUDS.

GLUE ON EXTERIOR SIDE
R.S. HUGHES COMPANY
3M ADHESIVE SPRAY 90 HI-STRENGTH

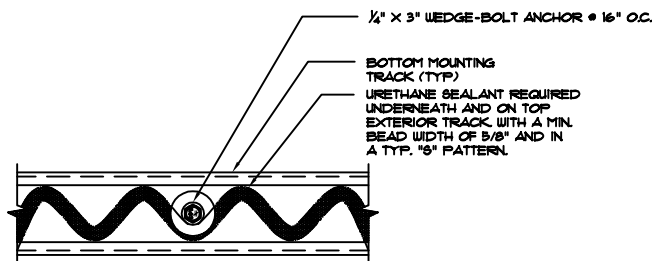
FIBERGLASS WOVEN FABIC ON EXTERIOR SIDE
OWENS-CORNING
D3 170-S OR EQUIVALENT



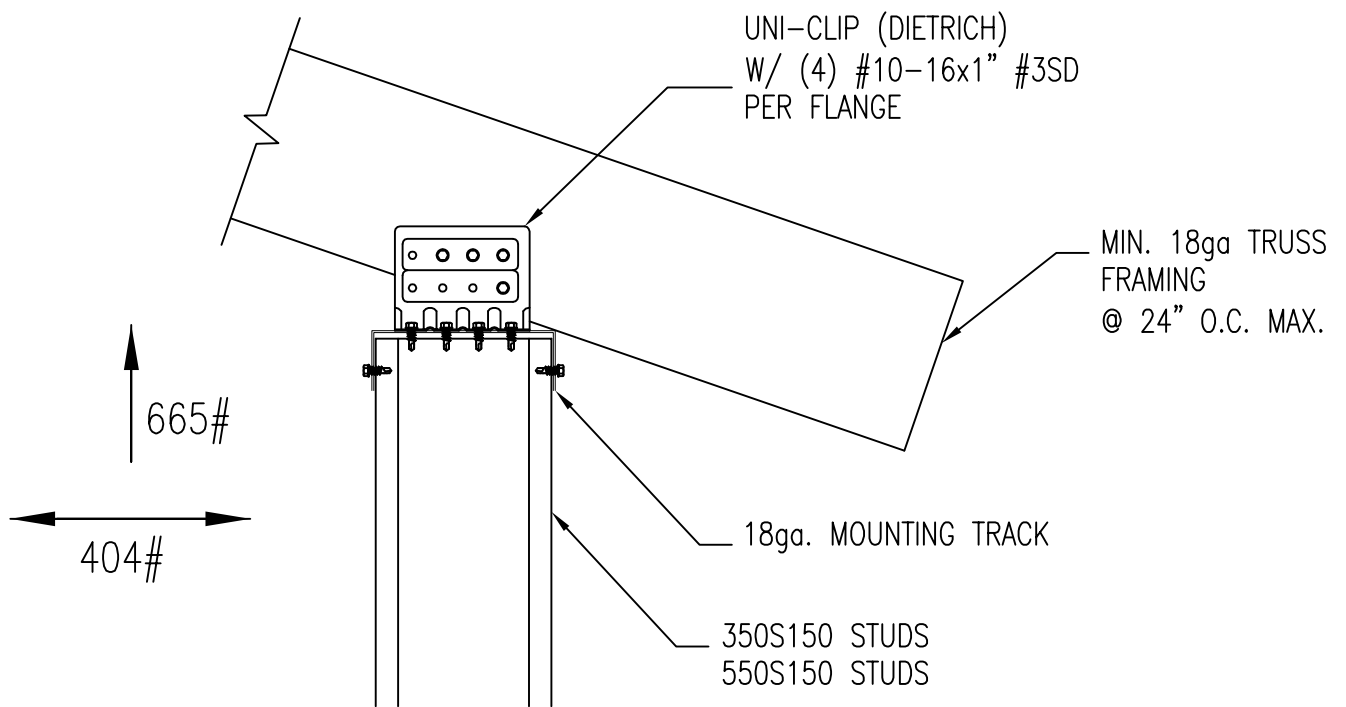
7
TYPICAL
LOAD BRG.TRACK TO FOUNDATION CONNECTION
SCALE: 3" = 1'-0"



8
TYPICAL
LOAD BRG.TRACK TO FOUNDATION CONNECTION
SCALE: 3" = 1'-0"



9
TYPICAL
LOAD BRG.TRACK TO FOUNDATION CONNECTION
SCALE: 3" = 1'-0"



TYPICAL
TOP TRACK TO TRUSS CONNECTION

10

SCALE: 3" = 1'-0"

