

GENERAL NOTES AND SPECIFICATIONS

GENERAL NOTES

DEVIATION FROM PLANS - Any deviation from these plans shall have been consulted with and documented by the supervising professional.

NON-CONTRACT ITEMS - Items may appear on these plans that are done by others and are not part of the Walters Buildings' contract.

STRUCTURAL PERFORMANCE - Walters Buildings and the Certifying Engineer's responsibility is limited to the structural performance of the post frame shell and listed items. The parties are not acting as the supervising professional of record for onsite supervision of construction, installation, or inspection. Check with local municipality for any special requirements.

SPECIFICATIONS

SITE WORK - The building site shall be graded to provide drainage away from the building. Maintain the grade levels shown on the plan around the building.

FOUNDATION PLACEMENT NOTES - All footings or Sakrete shall be placed on undisturbed virgin soil remaining consistent with the soil bearing capacity as noted in the 'LOADS' Table. If any loose soil is found at footing locations notify engineer at once so adjustments to footings can be made accordingly, as may be necessary.

Column holes are dug per the dimensions shown on the foundation plan (S1) and ready-mix concrete pads or dry concrete pads are poured in place (Note plans for size and type). Additional concrete-mix is poured around the base of the column.

Backfill around columns above footings shall be placed in 8" maximum depth layers and thoroughly compacted. Backfill material shall remain consistent with the presumed lateral soil pressure noted in the 'LOADS'. Typical soil types meeting the requirements include firm sand and loose sandy gravel. Backfill of excavated holes in soil around wood columns may be made with concrete at contractors option.

Foundations shall not be placed prior to confirmation of the soil type at a depth of 5 feet below the bottom of the footing.

CONCRETE (if applicable) - Concrete placement shall be in accordance with ACI 318-14.

Design mixes shall be obtained from the following:

- 1.Strength to be a minimum of 3000 PSI at 28 days for walls and footings.
- 2.Strength to be a minimum of 3500 PSI at 28 days for floor slabs.
- 3.Slump not to exceed 4 inches.

REINFORCING STEEL (if applicable) - Reinforcing steel shall be placed in accordance with CRSI Standards.

Steel reinforcing shall meet the requirements of the "Standard Specifications" for:
 1.Billet-Steel Concrete Reinforcing Bars Grade 60 (ASTM designation A-615).
 2.All steel bars shall meet the requirements of ASTM designation A-615. All welded wire mesh for concrete reinforcement shall meet the requirement shall meet the requirements set forth in Standard Specification (ASTM designation A-185). The reinforcement shall not be painted and must be free from grease, dirt or deep rust when placed in the work. To prevent rust, the material must be protected from moisture. The reinforcement shall be protected by the proper thickness of concrete.

Where not otherwise shown, the thickness of concrete over the reinforcement shall be:
 1.Where concrete is deposited against the ground without the use of forms, the thickness of concrete shall not be less than 3 inches.
 2.Where concrete is exposed to weather, the thickness of concrete shall not be less than 1 1/2 inches.
 3.In columns or pedestals not exposed to weather or ground, the thickness of concrete shall not be less than 1 1/2 inches.

ANCHOR BOLTS (if applicable) - The contractor shall set all anchor bolts to receive the building. The bolts shall be the size as shown or required. They may be drilled into place as allowed.

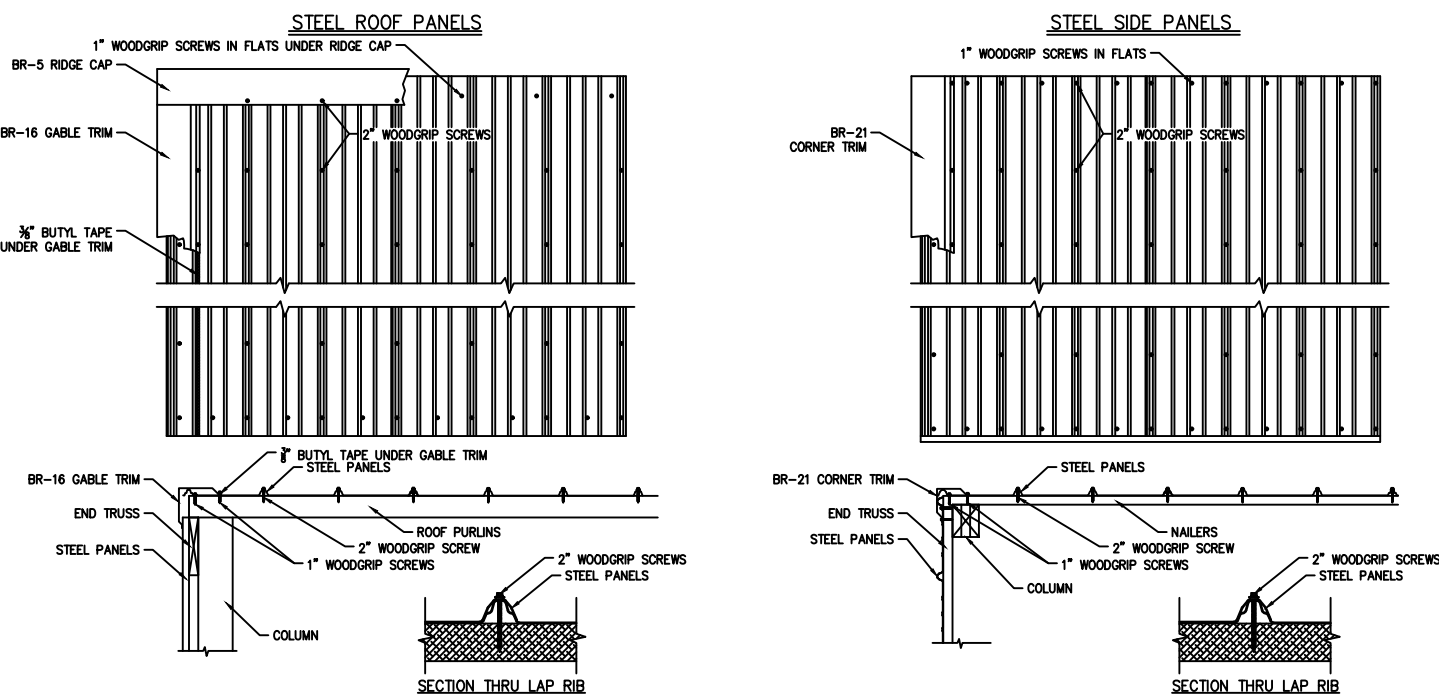
STRUCTURAL LAMINATED COLUMNS - The No. 2 or better southern yellow pine SPS structural columns used in this Walters Building shall consist of a 3 or more members sized as shown on the plans, steel plate laminated, and designed to meet the structural load requirements. Column lumber is kiln-dried to a 19% moisture content.

The members for use in contact with the soil shall be pressure treated to a retention of 0.8 pounds of Copper Chromate Arsenate Type C, oxide type formulation, as listed in American Wood Preservers Assoc. Standard U1. The treatment process shall be as described in the current AWPFA Standard U1 Commodity Specification A, Use Category 4B.

Splices in columns shall conform to Jack Walters & Sons Corp. Standard details and the columns shall bear a permanent Jack Walters & Sons Corp. stamp in a visible location. Wisconsin DILHR Material Approval No. 201610-W.

SPLASHBOARDS - Splashboards are S4S #2 or better Southern Pine, pressure treated to a net retention of 0.15 pounds per cubic foot with MCA copper based treatment. Approved for G-90 galvanized protected connectors and for aluminum contact. Building code compliant - ESR #2240. One row is furnished for building on a level grade.

STEEL PANEL SCREWING PATTERN



STANDARD ROUGH OPENINGS FOR STANDARD PLYCO WALKDOORS		
CALL SIZE	DOOR	ROUGH OPENING WIDTH (in.) x HEIGHT (in.)
3068	COMMERCIAL PLYCO 20 SERIES	40 3/4" x 81 3/4"
6068	COMMERCIAL PLYCO 20 SERIES	77 3/4" x 81 3/4"
3068	3-HOUR RATED PLYCO 22 SERIES	40 3/4" x 82 3/4"
6068	3-HOUR RATED PLYCO 22 SERIES	76 3/4" x 82 3/4"
3068	THERMAL BREAK PLYCO 92 TB ALUMINUM FRAME SERIES	40 3/4" x 82 3/4"
6068	THERMAL BREAK PLYCO 92 TB SERIES STANDARD W/ MULLION	78 3/4" x 82 3/4"
6068	THERMAL BREAK PLYCO 92 TB SERIES OPTIONAL W/ ASTRAGAL	77 3/4" x 82 3/4"

FASTENING SCHEDULE

FLOOR CONSTRUCTION		
Built-up Girders & Beams	20d common	32" o.c. direct
Bridging to Joists	8d common	2 ea. direct end
Floor Joists to Studs	10d common	5 direct or 3 direct
Floor Joists to Studs (W/ceiling joist)	10d common	2 direct
Floor Joists to Sill or Girder	8d common	3 toe nail
Ledger Strip	16d common	3 ea. direct joist
1" Subflooring (6" or less)	8d common	2 ea. direct joist
1" Subflooring (8" or more)	8d common	3 ea. direct joist
2" Subflooring	16d common	2 ea. direct joist
Particleboard Underlayment (1/4" - 3/4")	6d annular threaded	6" o.c. direct edges & 12" o.c. intermediate

WOOD STRUCTURAL PANEL SUBFLOORING		
1/2" or less	6d common or 6d annular/spiral thread	6" o.c. direct edges & 12" o.c. intermediate
19/32" - 3/4"	8d common or 6d annular/spiral thread	6" o.c. direct edges & 12" o.c. intermediate
7/8" - 1-1/8"	10d common or 8d ring shank 8d annular or spiral thread	6" o.c. direct edges & 7" o.c. intermediate
1/2" or less	16ga galvanized wire staples	4" o.c. edges & 7" o.c. intermediate
19/32, 5/8"	3/8" min. crown, 1-5/8" length	2-1/2" o.c. edges & 4" o.c. intermediate

WALL CONSTRUCTION		
Stud to sole plate	16d common	4 toe nail
Ledger Studs	16d common	2 direct nail
Stud to cap plate	16d common	2 toe nail or 2 direct nail
Double studs	10d common	12" o.c. direct
Corner studs	16d common	24" o.c. direct
Sole plate to joist or blocking	16d common	16" o.c.
Interior-braced wall sole plate-parallel joist	16d common	12" o.c.
Double cap plate	10d common	16" o.c. direct nail
Cap plate laps	10d common	2 direct nail
Ribbon strip, 6" or less	10d common	2 ea. direct bearing
Ribbon strip, 6" or more	10d common	3 ea. direct bearing
Diagonal brace (to stud & plate)	8d common	2 ea. direct bearing
Interior-braced wall top plate-joist/blocking	10d common	12" o.c.
Tail beams to headers (nailing permitted)	20d common	1 ea. end 4 sq.ft. floor area
Header beams to trimmers (nailing permitted)	20d common	1 ea. end 8 sq.ft. floor area
Continuous header to stud	8d common	4 toe nail
Continuous header, two pieces	16d common	16" o.c. direct

ROOF & CEILING CONSTRUCTION		
Ceiling joists to plate	16d common	3 toe nail
Ceiling joists (laps over partition)	10d common	3 direct nail
Ceiling joists (parallel to rafter)	10d common	3 direct nail
Collar beam	10d common	3 direct
Roof rafter to plate	8d common	3 toe nail
Roof rafter to ridge	16d common	2 toe nail or direct nail
Jack rafter to hip	10d common	3 toe nail
1" roof decking (6" width or less)	16d common	2 direct nail
1" roof decking (over 6" width)	8d common	2 ea. direct rafter
	8d common	3 ea. direct rafter

WALL & ROOF SHEATHING		
1" wall sheathing (<8")	8d common	2 ea. direct stud
1" wall sheathing (over 8" width)	8d common	3 ea. direct stud
1-1/2" fiberboard sheathing	1-1/2" GV roofing nail or 6d common or 16ga staple, 1-1/8" w/min. crown of 7/16"	3" o.c. exterior edge, 6" o.c. intermediate
25/32" fiberboard sheathing	1-3/4" GV roofing nail or 8d common or 16ga staple, 1-1/2" w/min. crown of 7/16"	3" o.c. exterior edge, 6" o.c. intermediate
Gypsum sheathing	12ga 1-1/4" large head, corrosion resistant	4" o.c. on edge, 8" o.c. intermediate
Gypsum sheathing (seismic tracing)	11ga 1-3/4" long 7/16" head	4" o.c. all bearing points
Particleboard wall sheathing (1/2" or less)	6d common	6" o.c. direct edges & 12" o.c. intermediate
Particleboard wall sheathing (5/8" or less)	8d common	6" o.c. direct edges & 12" o.c. intermediate

WOOD STRUCTURAL PANEL ROOF & WALL SHEATHING		
1/2" or less	6d common (walls); 8d common (roofs)	6" o.c. direct edges & 12" o.c. intermediate
19/32"-1"	8d common	6" o.c. direct edges & 12" o.c. intermediate
1" or greater	10d common	6" o.c. direct edges & 12" o.c. intermediate
1/2" or less	16ga GV wire staples	4" o.c. edges & 8" o.c. intermediate
1/2" or less	3/8" min. crown 1" length + panel thickness	2-1/2" o.c. edges & 5" o.c. intermediate
19/32", 5/8"	same as immediately above	intermediate
Shingles	#14 B&S ga corrosion resistant	2 ea. bearing
Waterboarding	#14 corrosion resistant	2 ea. bearing

Note A: Single nails shall penetrate not less than 3/4" into nailing strips, sheathing or supporting construction except as otherwise provided for in Section 1507.0.

Note B: For regions having a basic wind speed of 90 mph or greater where the main roof height is less than 25 ft. and for regions having basic wind speed of 80 mph or less, nails which attach wood structural panel roof sheathing to gable end wall framing shall be spaced 6" o.c. Where basic wind speed is greater than 80 mph, nails which attach panel roof sheathing to intermediate supports shall be spaced 6" o.c. of a minimum of a 48" distance from ridges, eaves & gable end walls; & 4" o.c. to gable end wall framing.

Note C: For regions having a basic wind speed of 90 mph greater, 8d deformed shank nails shall be utilized to attach wood structural panel roof sheathing to framing within a minimum 48" distance from gable end walls provided the mean roof height is between 25' and 35'. For roof heights greater than 35' in a 90 mph or greater wind region, attachment of wood structural panel roof sheathing shall be designed for the wind loads in Section 1609.0.

Note D: Nails shall be spaced 6" o.c. direct to panel edges and 6" o.c. to intermediate supports where panel spans are 48" o.c. or greater.

Note E: 1" = 25.4mm, 1" = 304.8mm.

ABBREVIATIONS

ABV	Above	F.D.	Floor Drain
AFF	Above Finish Floor	F.E.	Fire Extinguisher
BBP	Blocking Between Purlins	F.O.	Framed Opening
B.O.S.	Bottom Of Splashboard	FT	Feet
BRG	Bearing	GA	Gage, Gauge
B.S.	Both Sides	GTE	Grade To Eave
ε	Centerline	GTH	Grade To Heel
CFT	Cubic Foot	GTP	Grade To Peak
C.H.	Ceiling Height	GV	Galvanized
CLOS	Closet	IN.	Inch
COM	Common	PL	Property Line
CMU	Concrete Masonry Unit	PSF	Pounds per Square Foot
d	Penny	PSI	Pounds per Square Inch
DBL	Double	P.T.	Pressure Treated
Ea.	Each	R.C.	Raised Chord
E.E.	Each End	R.O.	Rough Opening
E.F.	Each Face	R.P.	Straight Chord
E.W.	Each Way	STP	Steel Transfer Plate
LAM	Laminated	T&G	Tongue & Groove
L.A.V.	Lavatory	T.O.G.	Top of Ledger
MIL	Millimeter(s)	T.O.W.	Top of Wall
NBW	Not By Walters Buildings	T.O.C.	Top of Concrete
N.T.S.	Not To Scale	T.O.F.	Top of Floor
O.C.	On Center(s)	TYP	Typical(y)
O.C.E.W.	On Center Each Way	TRTD	Treated
OHD	Overhead Door	WH	Water Heater
O/O	Out to Out	WWM	Welded Wire Mesh



PROJECT NAME & LOCATION

OWNER NAME:	PROJECT ADDRESS:
Dawson Greenwald	S96W32528 Valley Court Road, Mukwonago, WI, 53149

PROJECT LOAD SUMMARY

International Building Code 2021	
Wisconsin Uniform Dwelling Code	
OCCUPANCY TYPE:	Residential
BUILDING AREA:	4800 sq ft
RISK CATEGORY II	
CONSTRUCTION TYPE : VB	
Ground Snow Load :	35 PSF
Design Snow Load :	26.95 PSF
Unbalanced Snow Load per SPS 362.1608 :	32.9 PSF
Balanced Snow Load Used :	26.95 PSF
Roof Live Load (reducible)	20 PSF
Total Load Used :	36.95 PSF
Wind Speed :	115 mph
Exposure Category :	C
Design Wind Load :	15.9
Wind Load Used :	16 PSF
Seismic Design Category :	B
Seismic Base Shear :	1080 #
Presumed Soil Bearing Capacity :	2000 PSF
Presumed Lateral Soil Pressure :	150 PSF

Walters Buildings

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 P.O. Box 388
 6600 Midland Ct.
 Allenton, WI 53002
 1-800-558-7800
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PERMIT PLANS

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PROJECT NAME:
Greenwald 50x96

PROJECT ADDRESS:
S96W32528 Valley Court Road, Mukwonago, WI, 53149

SALES REP / DEALER:
JOSH OBERT

DRAFTER:
David Merkel

ESTIMATOR:
TY PARKER

LAST SAVED BY:
TBROWN ON: 5/13/2026

PAPER SIZE:
ARCH FULL BLEED C (18.00 X 24.00 INCHES)

SCALE:

ENGINEER:
Caynen Klessig

PROJECT ID:
2026000394

SHEET NUMBER:

G1

DOOR & WINDOW SCHEDULE

MAINTAIN LEVEL APPROACH TO ALL WALKDOORS *FIELD VERIFY ALL WINDOW SILL HEIGHTS*
 SEE PAGE G1 FOR PLYCO ROUGH OPENING SIZES

TAG	DESCRIPTION	QUANTITY
①	OVERHEAD DOOR OPENING: 10'x10'	1
②	OVERHEAD DOOR OPENING: 12'x14'	2
③	3'x6'-8" PLYCO 92 SERIES THERMAL BREAK WALK DOOR W/LEVERSET WITH DEADBOLT	2
Ⓐ	4'x3' WINDGATE SINGLE VENT SLIDER WINDOW W/HALF SCREEN & BUILT-IN "J"-CHANNEL	9



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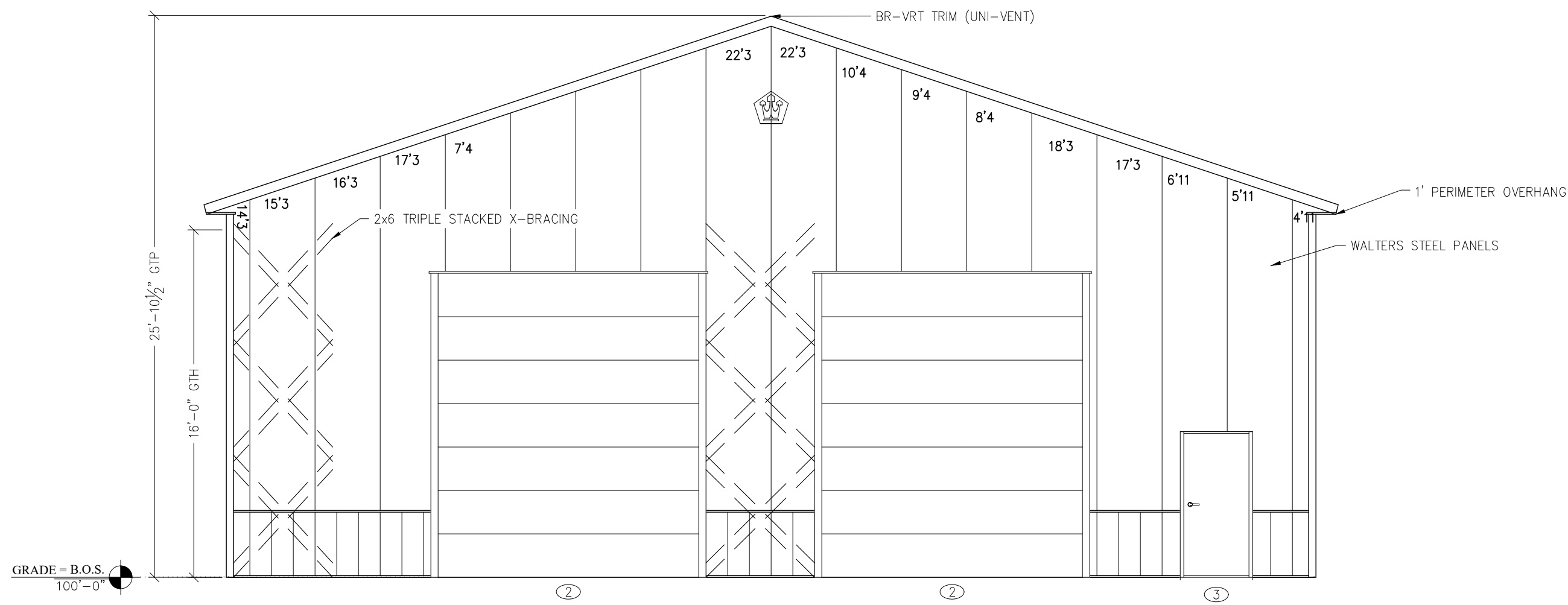
ENGINEER:
 Caynen Klessig

JOB NUMBER:
 94-0852 R1

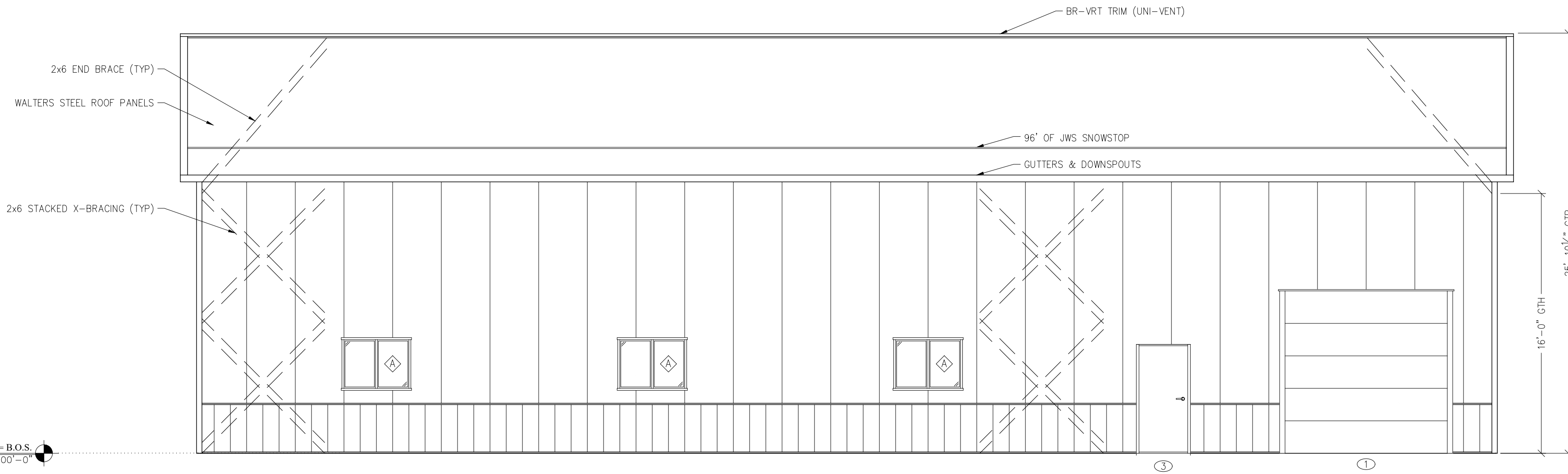
PROJECT ID:
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SHEET NUMBER:

A1



1 LEFT END ELEVATION
 A1 SCALE: 3/16" = 1'-0"



2 FRONT SIDE ELEVATION
 A1 SCALE: 3/16" = 1'-0"

DOOR & WINDOW SCHEDULE

MAINTAIN LEVEL APPROACH TO ALL WALKDOORS *FIELD VERIFY ALL WINDOW SILL HEIGHTS*
 SEE PAGE G1 FOR PLYCO ROUGH OPENING SIZES

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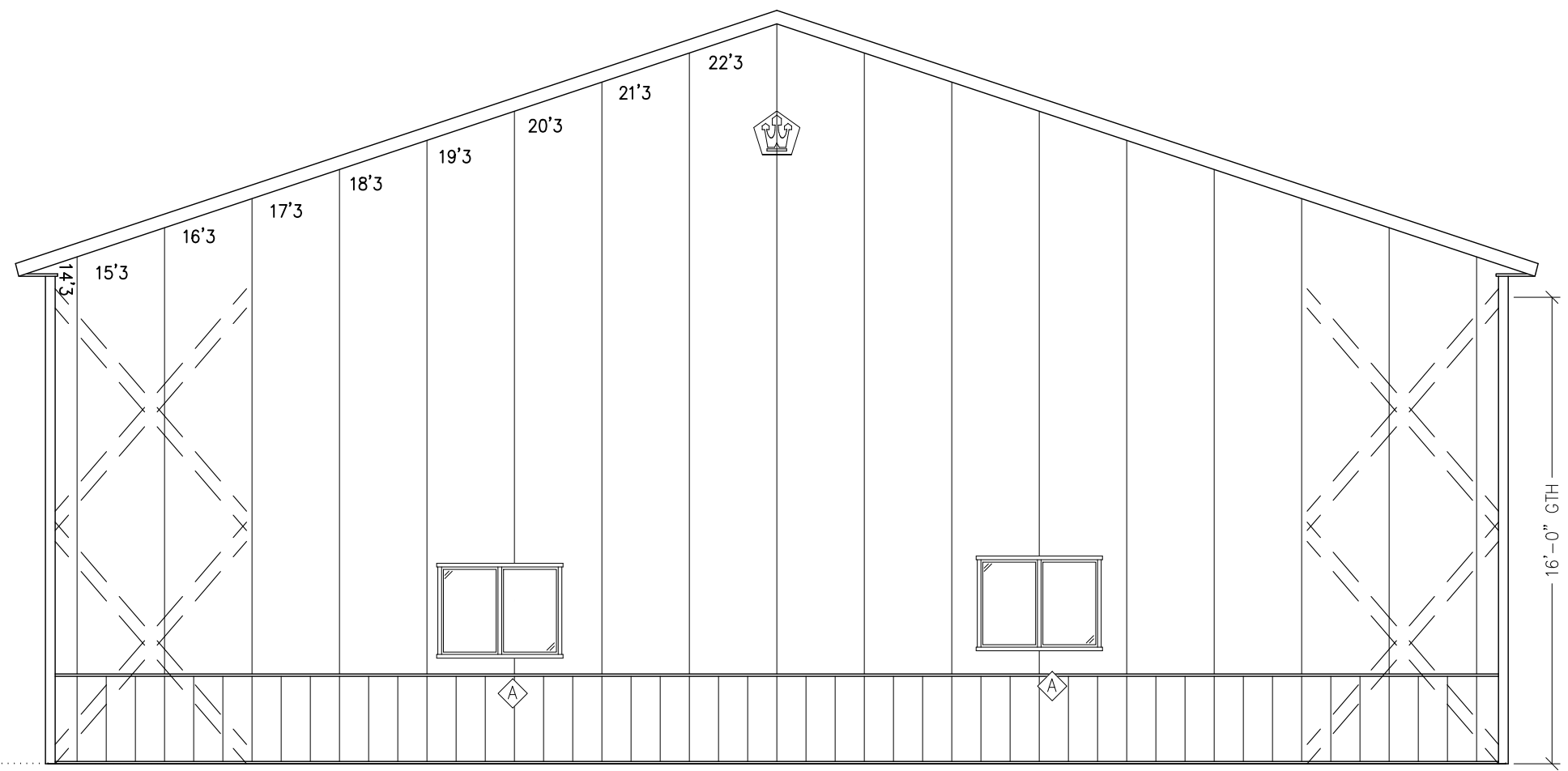
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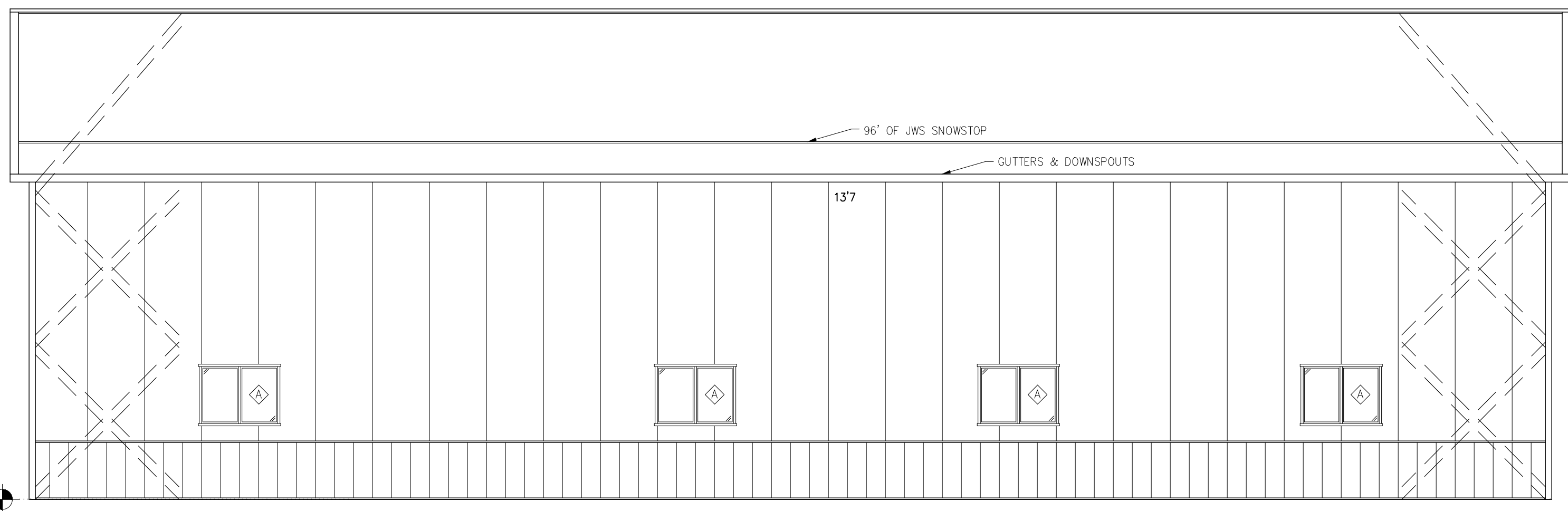
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NOTE:
 SAME AS SHEET A1 EXCEPT FOR ITEMS NOTED

GRADE = B.O.S. 100'-0"

1 RIGHT END ELEVATION
 A1.1 SCALE: 3/16" = 1'-0"



GRADE = B.O.S. 100'-0"

2 BACK SIDE ELEVATION
 A1.1 SCALE: 3/16" = 1'-0"

A1.1

TITEN HD FASTENER SPECIFICATIONS

Walters Buildings 1000 Industrial Parkway, Suite 100, Allenton, WI 53002
 Phone: 800-558-7800 Fax: 920-253-1100
 www.waltersbuildings.com

Three HDP® Design Information — Concrete

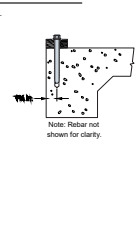
Three HDP® Embedment Lengths in Normal Weight Concrete

Embedment Length (in)	Embedment Length (mm)	Concrete Strength (psi)	Concrete Strength (MPa)	Embedment Length (in)	Embedment Length (mm)	Concrete Strength (psi)	Concrete Strength (MPa)
12	305	3000	20.7	12	305	3000	20.7
14	355	3000	20.7	14	355	3000	20.7
16	405	3000	20.7	16	405	3000	20.7
18	455	3000	20.7	18	455	3000	20.7
20	505	3000	20.7	20	505	3000	20.7
22	555	3000	20.7	22	555	3000	20.7
24	605	3000	20.7	24	605	3000	20.7
26	655	3000	20.7	26	655	3000	20.7
28	705	3000	20.7	28	705	3000	20.7
30	755	3000	20.7	30	755	3000	20.7
32	805	3000	20.7	32	805	3000	20.7
34	855	3000	20.7	34	855	3000	20.7
36	905	3000	20.7	36	905	3000	20.7
38	955	3000	20.7	38	955	3000	20.7
40	1005	3000	20.7	40	1005	3000	20.7
42	1055	3000	20.7	42	1055	3000	20.7
44	1105	3000	20.7	44	1105	3000	20.7
46	1155	3000	20.7	46	1155	3000	20.7
48	1205	3000	20.7	48	1205	3000	20.7
50	1255	3000	20.7	50	1255	3000	20.7
52	1305	3000	20.7	52	1305	3000	20.7
54	1355	3000	20.7	54	1355	3000	20.7
56	1405	3000	20.7	56	1405	3000	20.7
58	1455	3000	20.7	58	1455	3000	20.7
60	1505	3000	20.7	60	1505	3000	20.7
62	1555	3000	20.7	62	1555	3000	20.7
64	1605	3000	20.7	64	1605	3000	20.7
66	1655	3000	20.7	66	1655	3000	20.7
68	1705	3000	20.7	68	1705	3000	20.7
70	1755	3000	20.7	70	1755	3000	20.7
72	1805	3000	20.7	72	1805	3000	20.7
74	1855	3000	20.7	74	1855	3000	20.7
76	1905	3000	20.7	76	1905	3000	20.7
78	1955	3000	20.7	78	1955	3000	20.7
80	2005	3000	20.7	80	2005	3000	20.7
82	2055	3000	20.7	82	2055	3000	20.7
84	2105	3000	20.7	84	2105	3000	20.7
86	2155	3000	20.7	86	2155	3000	20.7
88	2205	3000	20.7	88	2205	3000	20.7
90	2255	3000	20.7	90	2255	3000	20.7
92	2305	3000	20.7	92	2305	3000	20.7
94	2355	3000	20.7	94	2355	3000	20.7
96	2405	3000	20.7	96	2405	3000	20.7
98	2455	3000	20.7	98	2455	3000	20.7
100	2505	3000	20.7	100	2505	3000	20.7

Three HDP® Design Information — Concrete

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18	455	3000	20.7
20	505	3000	20.7
22	555	3000	20.7
24	605	3000	20.7
26	655	3000	20.7
28	705	3000	20.7
30	755	3000	20.7
32	805	3000	20.7
34	855	3000	20.7
36	905	3000	20.7
38	955	3000	20.7
40	1005	3000	20.7
42	1055	3000	20.7
44	1105	3000	20.7
46	1155	3000	20.7
48	1205	3000	20.7
50	1255	3000	20.7
52	1305	3000	20.7
54	1355	3000	20.7
56	1405	3000	20.7
58	1455	3000	20.7
60	1505	3000	20.7
62	1555	3000	20.7
64	1605	3000	20.7
66	1655	3000	20.7
68	1705	3000	20.7
70	1755	3000	20.7
72	1805	3000	20.7
74	1855	3000	20.7
76	1905	3000	20.7
78	1955	3000	20.7
80	2005	3000	20.7
82	2055	3000	20.7
84	2105	3000	20.7
86	2155	3000	20.7
88	2205	3000	20.7
90	2255	3000	20.7
92	2305	3000	20.7
94	2355	3000	20.7
96	2405	3000	20.7
98	2455	3000	20.7
100	2505	3000	20.7



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14	355	3000	20.7
16	405	3000	20.7
18	455	3000	20.7
20	505	3000	20.7
22	555	3000	20.7
24	605	3000	20.7
26	655	3000	20.7
28	705	3000	20.7
30	755	3000	20.7
32	805	3000	20.7
34	855	3000	20.7
36	905	3000	20.7
38	955	3000	20.7
40	1005	3000	20.7
42	1055	3000	20.7
44	1105	3000	20.7
46	1155	3000	20.7
48	1205	3000	20.7
50	1255	3000	20.7
52	1305	3000	20.7
54	1355	3000	20.7
56	1405	3000	20.7
58	1455	3000	20.7
60	1505	3000	20.7
62	1555	3000	20.7
64	1605	3000	20.7
66	1655	3000	20.7
68	1705	3000	20.7
70	1755	3000	20.7
72	1805	3000	20.7
74	1855	3000	20.7
76	1905	3000	20.7
78	1955	3000	20.7
80	2005	3000	20.7
82	2055	3000	20.7
84	2105	3000	20.7
86	2155	3000	20.7
88	2205	3000	20.7
90	2255	3000	20.7
92	2305	3000	20.7
94	2355	3000	20.7
96	2405	3000	20.7
98	2455	3000	20.7
100	2505	3000	20.7

Three HDP® Design Information — Concrete

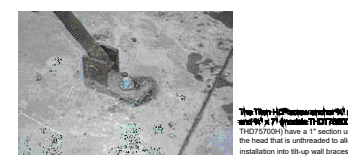
Three HDP® Embedment Lengths in Normal Weight Concrete

Embedment Length (in)	Embedment Length (mm)	Concrete Strength (psi)	Concrete Strength (MPa)
12	305	3000	20.7
14	355	3000	20.7
16	405	3000	20.7
18	455	3000	20.7
20	505	3000	20.7
22	555	3000	20.7
24	605	3000	20.7
26	655	3000	20.7
28	705	3000	20.7
30	755	3000	20.7
32	805	3000	20.7
34	855	3000	20.7
36	905	3000	20.7
38	955	3000	20.7
40	1005	3000	20.7
42	1055	3000	20.7
44	1105	3000	20.7
46	1155	3000	20.7
48	1205	3000	20.7
50	1255	3000	20.7
52	1305	3000	20.7
54	1355	3000	20.7
56	1405	3000	20.7
58	1455	3000	20.7
60	1505	3000	20.7
62	1555	3000	20.7
64	1605	3000	20.7
66	1655	3000	20.7
68	1705	3000	20.7
70	1755	3000	20.7
72	1805	3000	20.7
74	1855	3000	20.7
76	1905	3000	20.7
78	1955	3000	20.7
80	2005	3000	20.7
82	2055	3000	20.7
84	2105	3000	20.7
86	2155	3000	20.7
88	2205	3000	20.7
90	2255	3000	20.7
92	2305	3000	20.7
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96	2405	3000	20.7
98	2455	3000	20.7
100	2505	3000	20.7

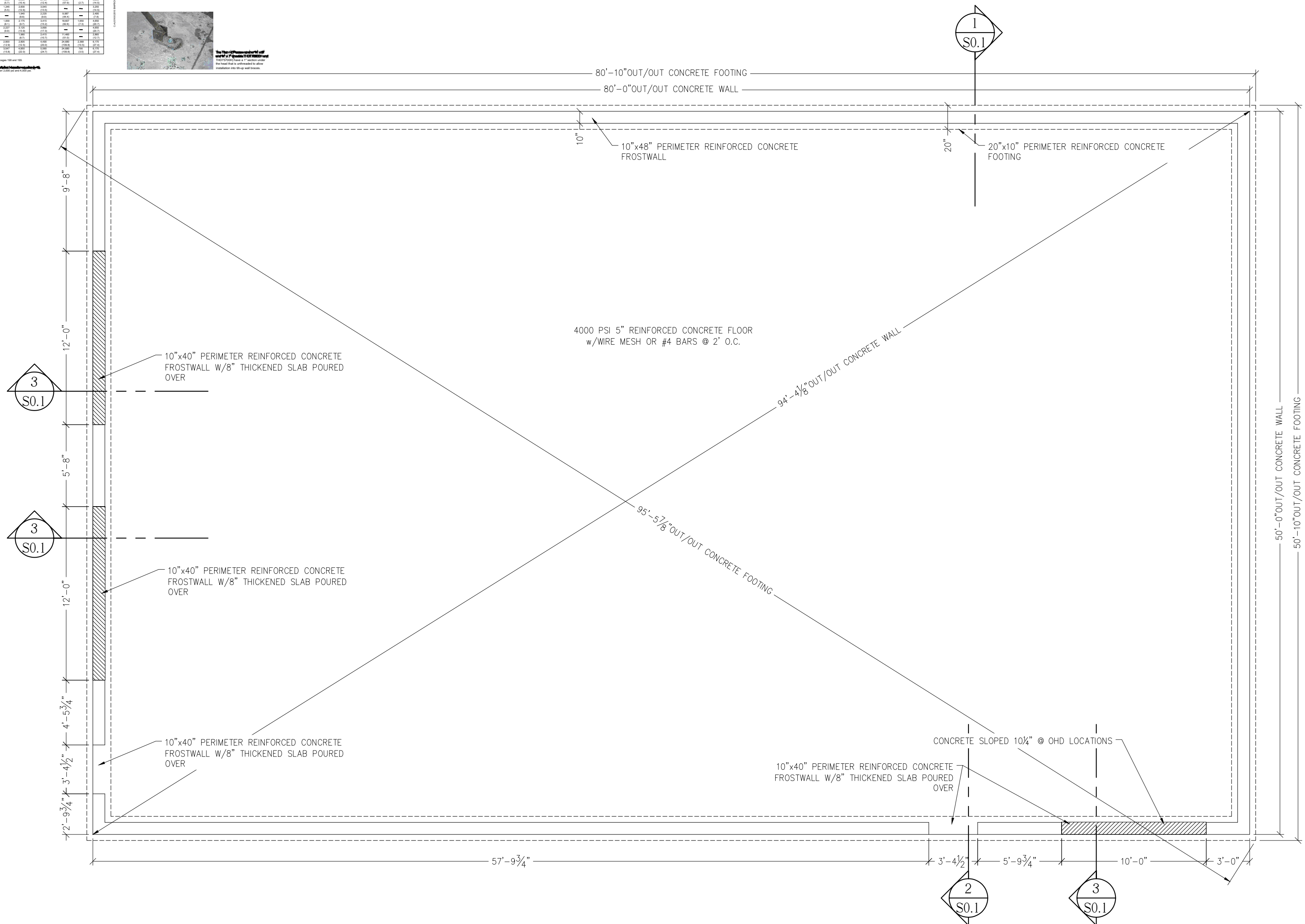
Three HDP® Design Information — Concrete

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12	305	3000	20.7
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16	405	3000	20.7
18	455	3000	20.7
20	505	3000	20.7
22	555	3000	20.7
24	605	3000	20.7
26	655	3000	20.7
28	705	3000	20.7
30	755	3000	20.7
32	805	3000	20.7
34	855	3000	20.7
36	905	3000	20.7
38	955	3000	20.7
40	1005	3000	20.7
42	1055	3000	20.7
44	1105	3000	20.7
46	1155	3000	20.7
48	1205	3000	20.7
50	1255	3000	20.7
52	1305	3000	20.7
54	1355	3000	20.7
56	1405	3000	20.7
58	1455	3000	20.7
60	1505	3000	20.7
62	1555	3000	20.7
64	1605	3000	20.7
66	1655	3000	20.7
68	1705	3000	20.7
70	1755	3000	20.7
72	1805	3000	20.7
74	1855	3000	20.7
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88	2205	3000	20.7
90	2255	3000	20.7
92	2305	3000	20.7
94	2355	3000	20.7
96	2405	3000	20.7
98	2455	3000	20.7
100	2505	3000	20.7



The Importance of Proper Installation
 The fastener must be installed vertically into the concrete wall. The fastener must be installed into the concrete wall and not the footing.



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SALES REP / DEALER:
JOSH OBERT

DRAFTER:
David Merkel

ESTIMATOR:
TY PARKER

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SCALE:
AS NOTED

ENGINEER:
Caynen Klessig

JOB NUMBER:
94-0852 R 1

PROJECT ID:
2026000394

SHEET NUMBER:



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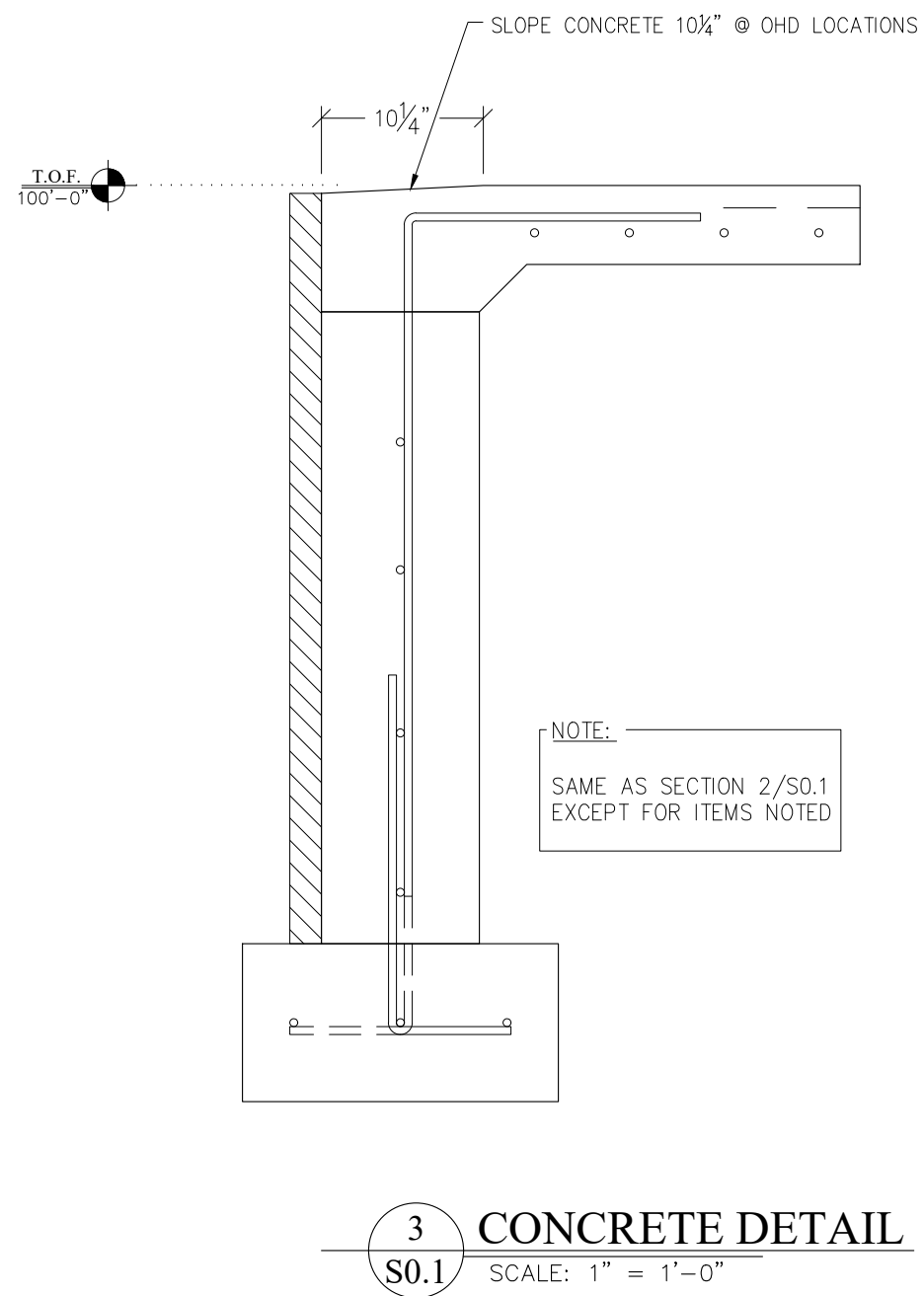
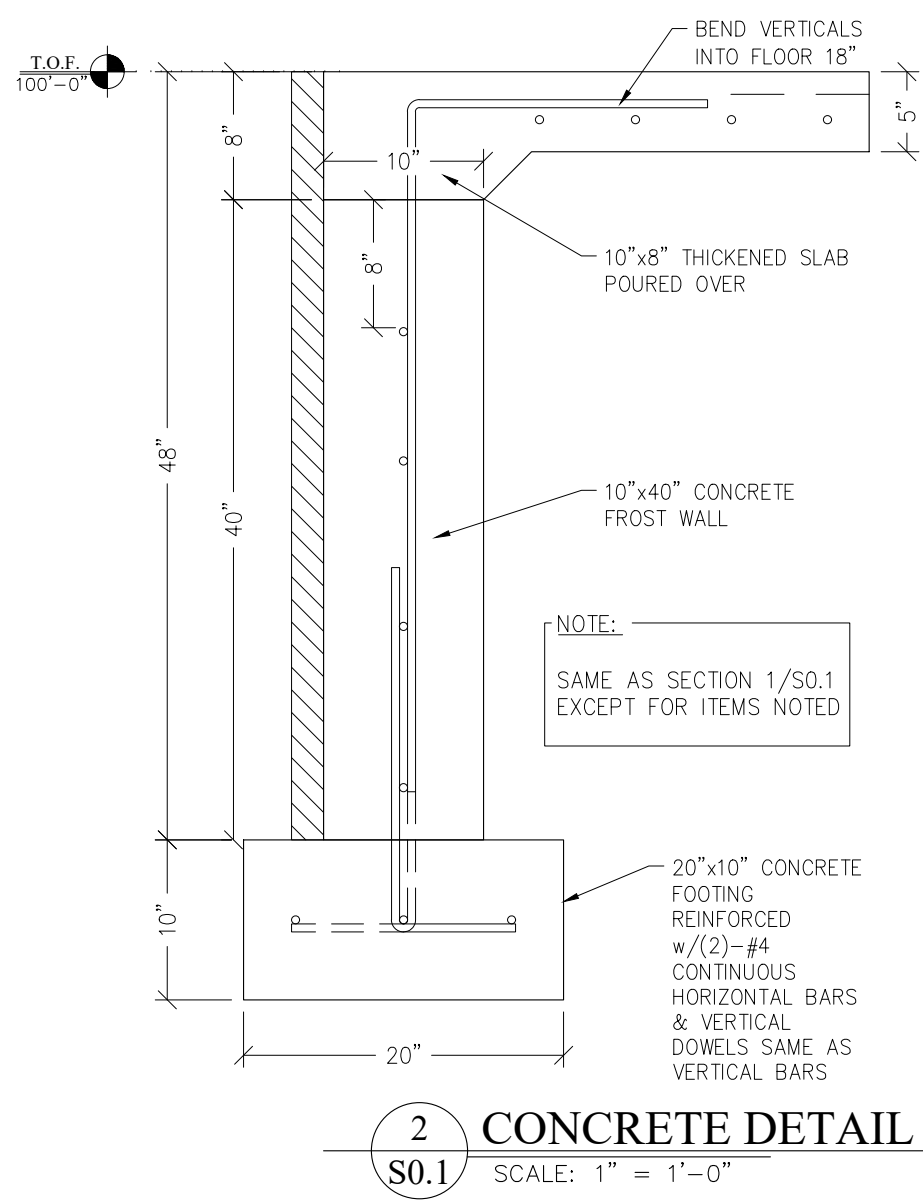
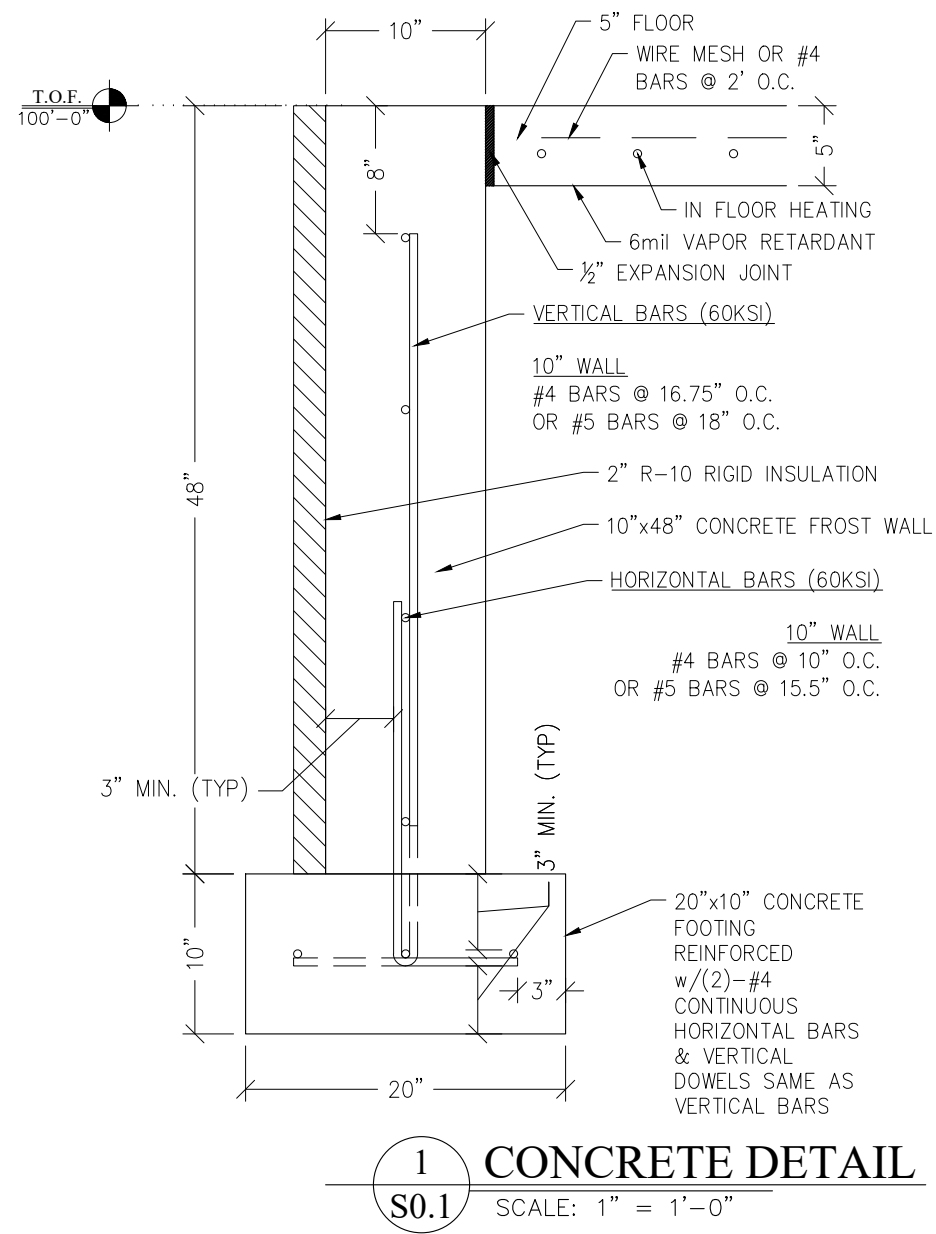
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COLUMN SCHEDULE

TAG	COLUMN TYPE
①	(3)-PLY 2x8 #1 SYP STP LAM COLUMN



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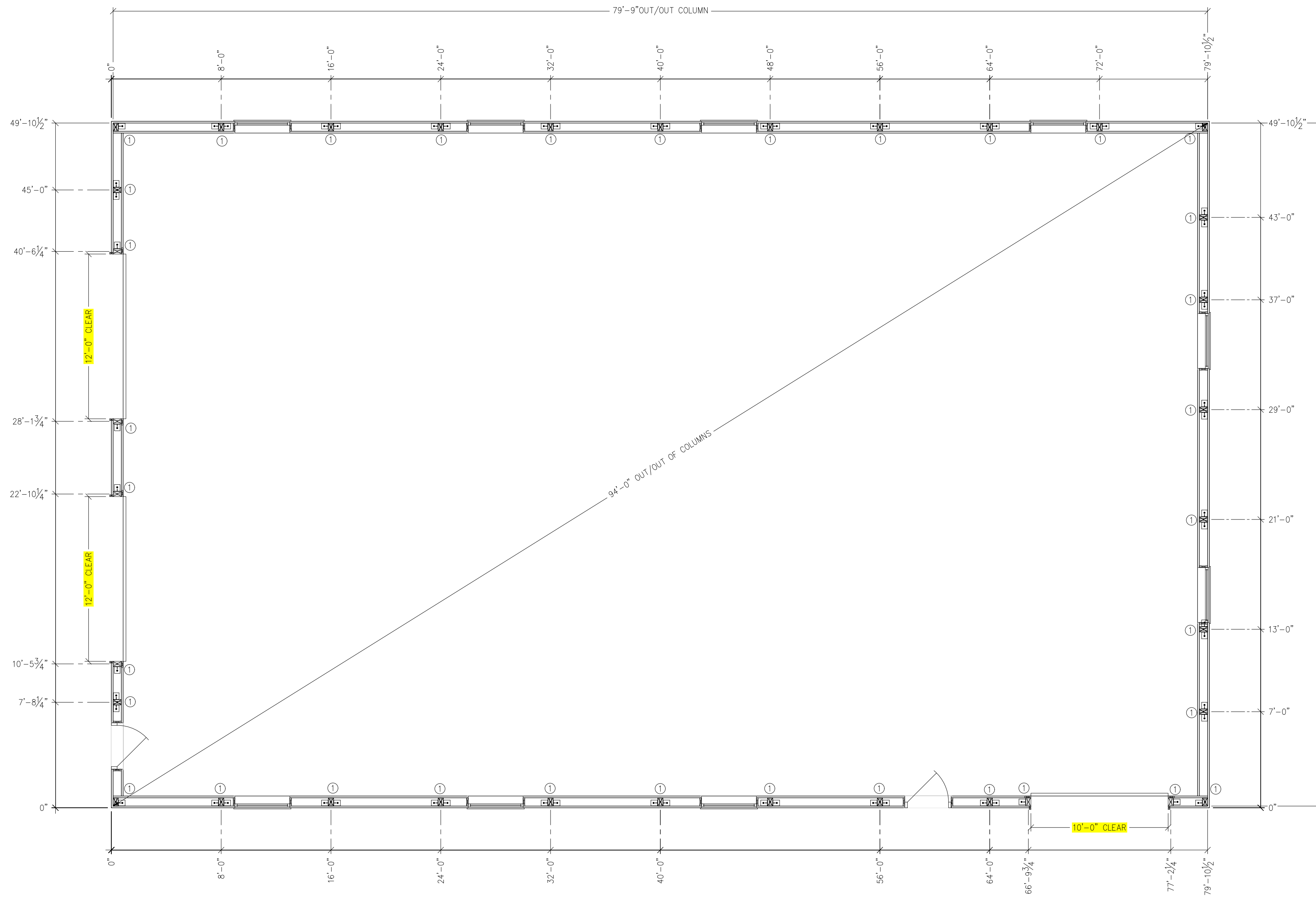
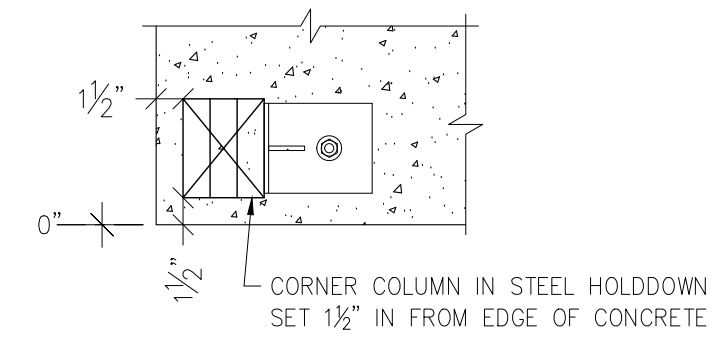
SCALE:
AS NOTED

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DOOR & WINDOW SCHEDULE

MAINTAIN LEVEL APPROACH TO ALL WALKDOORS *FIELD VERIFY ALL WINDOW SILL HEIGHTS*
 SEE PAGE G1 FOR PLYCO ROUGH OPENING SIZES

TAG	DESCRIPTION	QUANTITY
①	OVERHEAD DOOR OPENING: 10'x10'	1
②	OVERHEAD DOOR OPENING: 12'x14'	2
③	3'x6'-8" PLYCO 92 SERIES THERMAL BREAK WALK DOOR W/LEVERSET WITH DEADBOLT	2
Ⓐ	4'x3' WINDGATE SINGLE VENT SLIDER WINDOW W/HALF SCREEN & BUILT-IN "J"-CHANNEL	9



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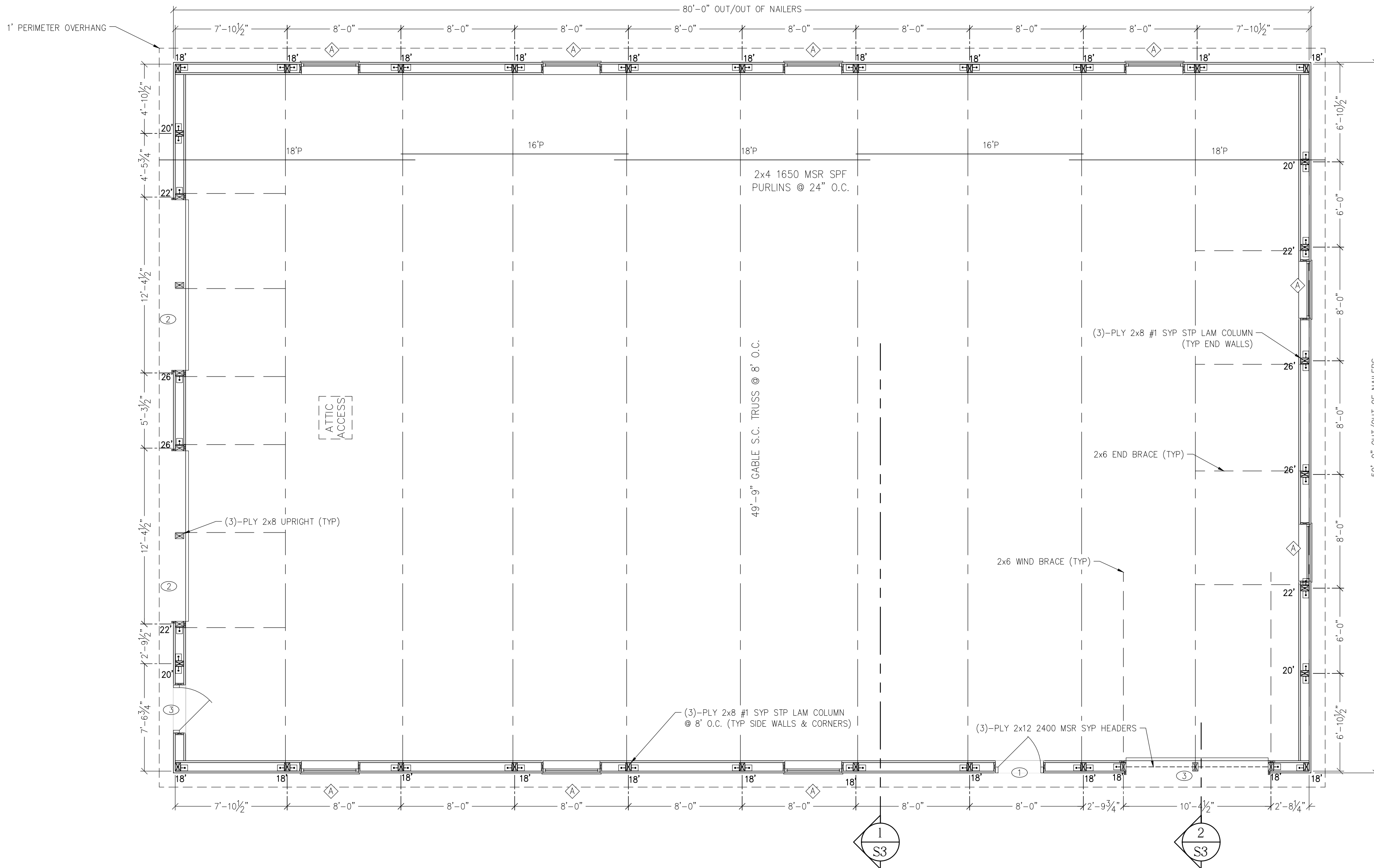
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S2





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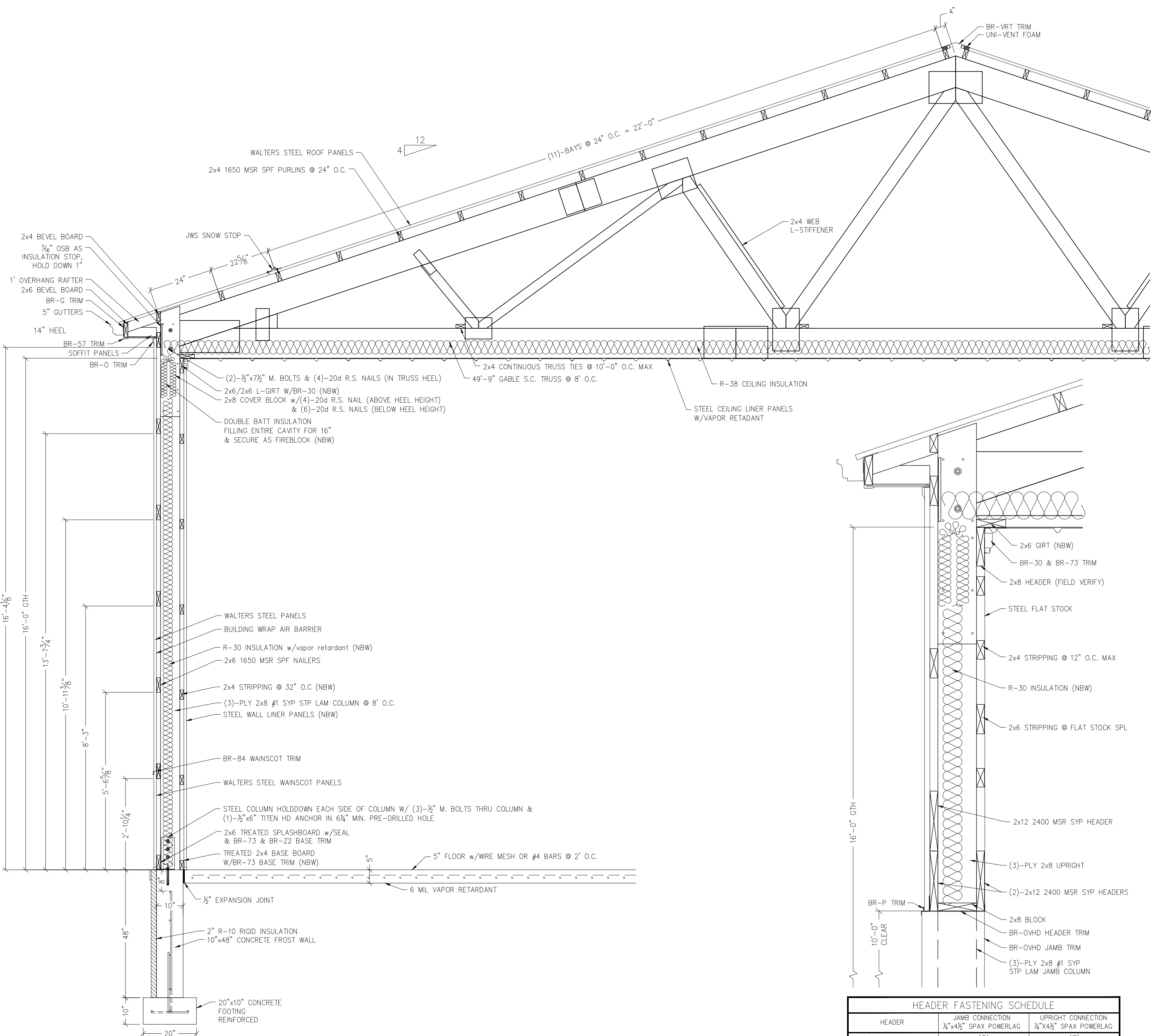
ENGINEER:
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SHEET NUMBER:

S3



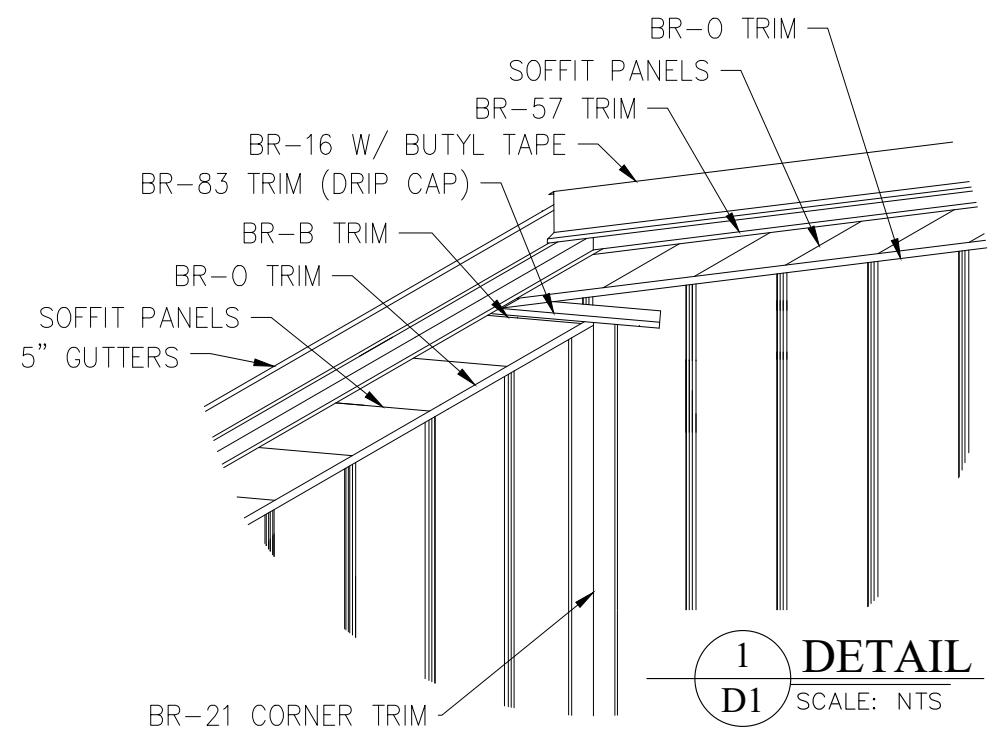
GRADE = B.O.S.
100'-0"

1 CROSS SECTION
SCALE: 1/2" = 1'-0"

HEADER FASTENING SCHEDULE		
HEADER	JAMB CONNECTION	UPRIGHT CONNECTION
(EA) 2x12 HEADERS	1/2" x 4 1/2" SPAX POWERLAG (5)	1/2" x 4 1/2" SPAX POWERLAG (7)

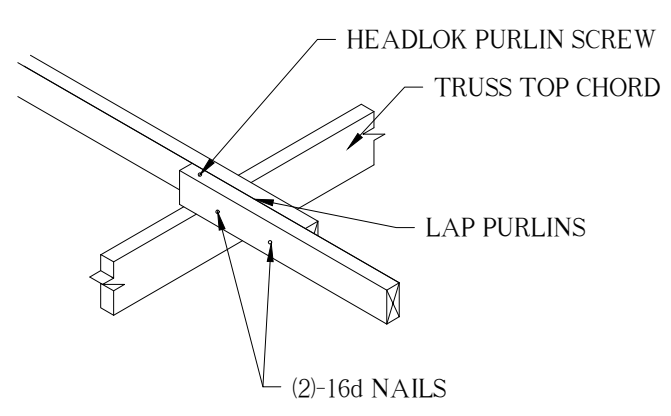
2 HEADER SECTION
SCALE: 1" = 1'-0"

STANDARD TRIM DETAILS



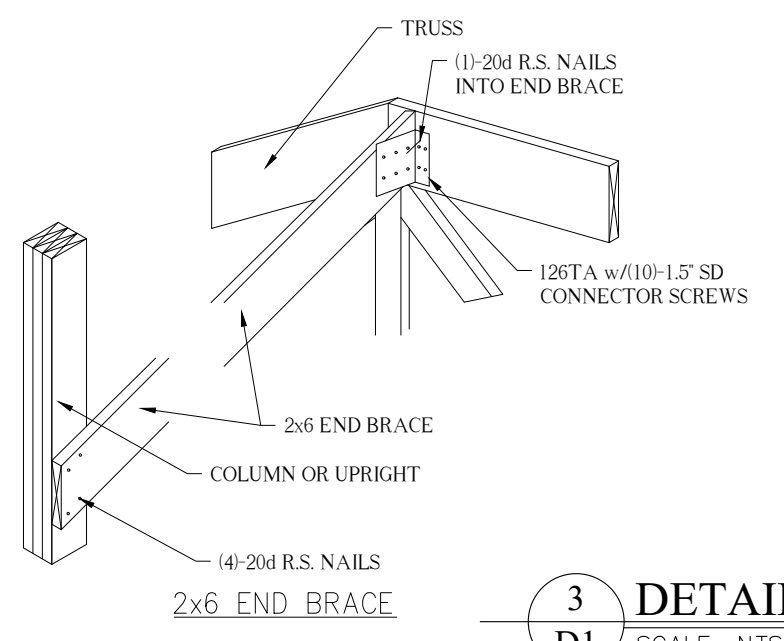
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D1 SCALE: NTS

STANDARD FRAMING DETAILS

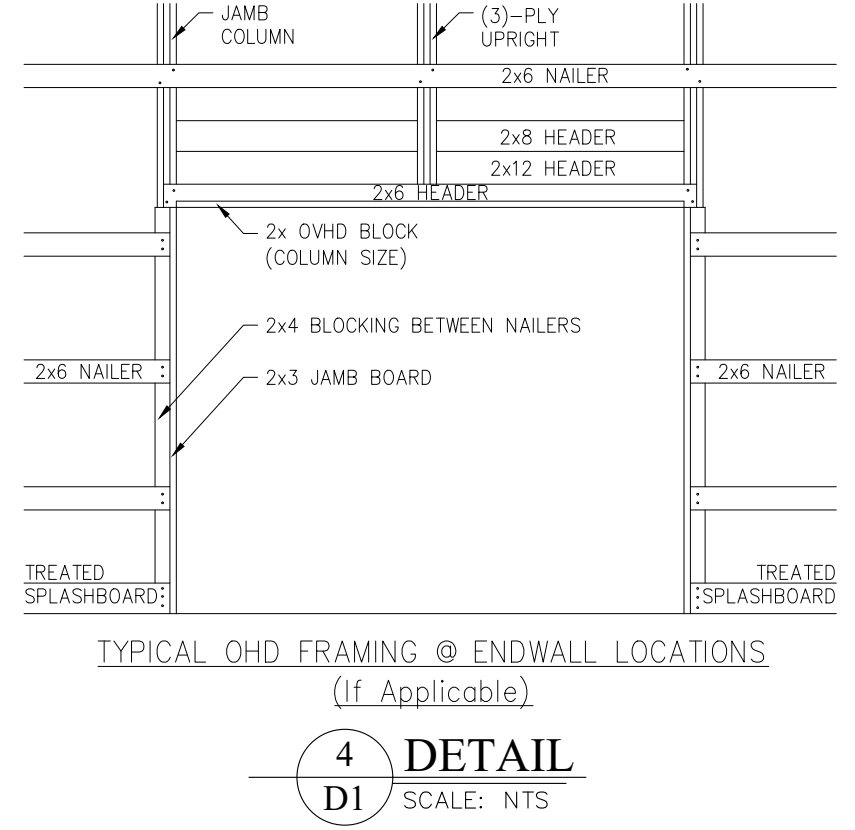


2
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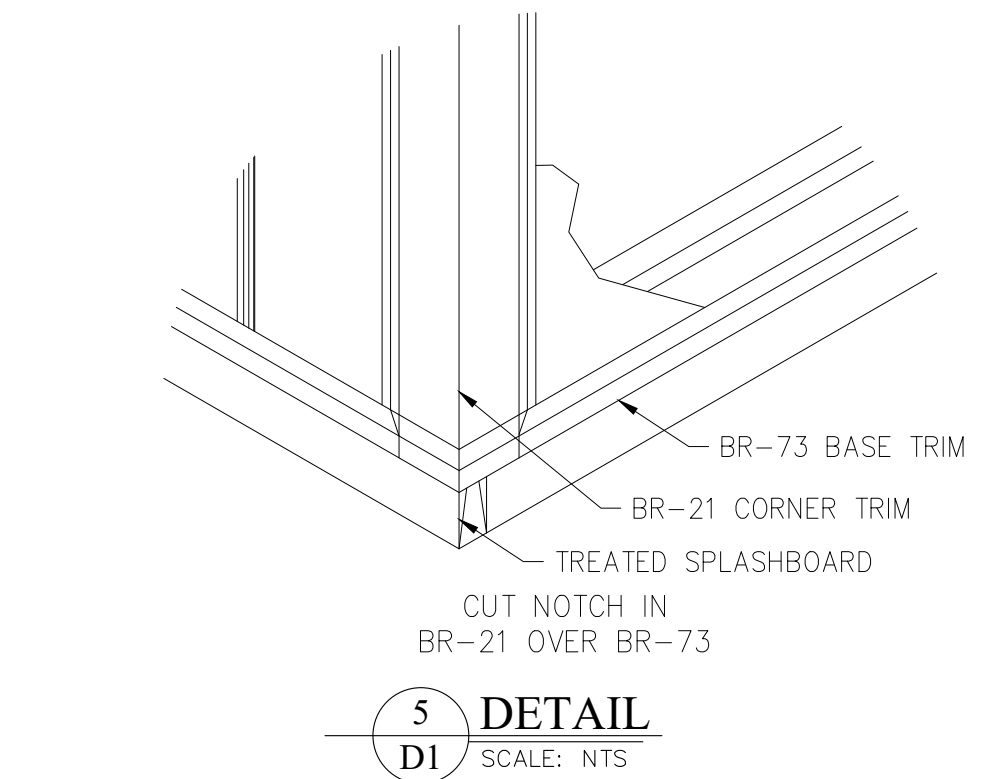
STANDARD BRACING DETAILS



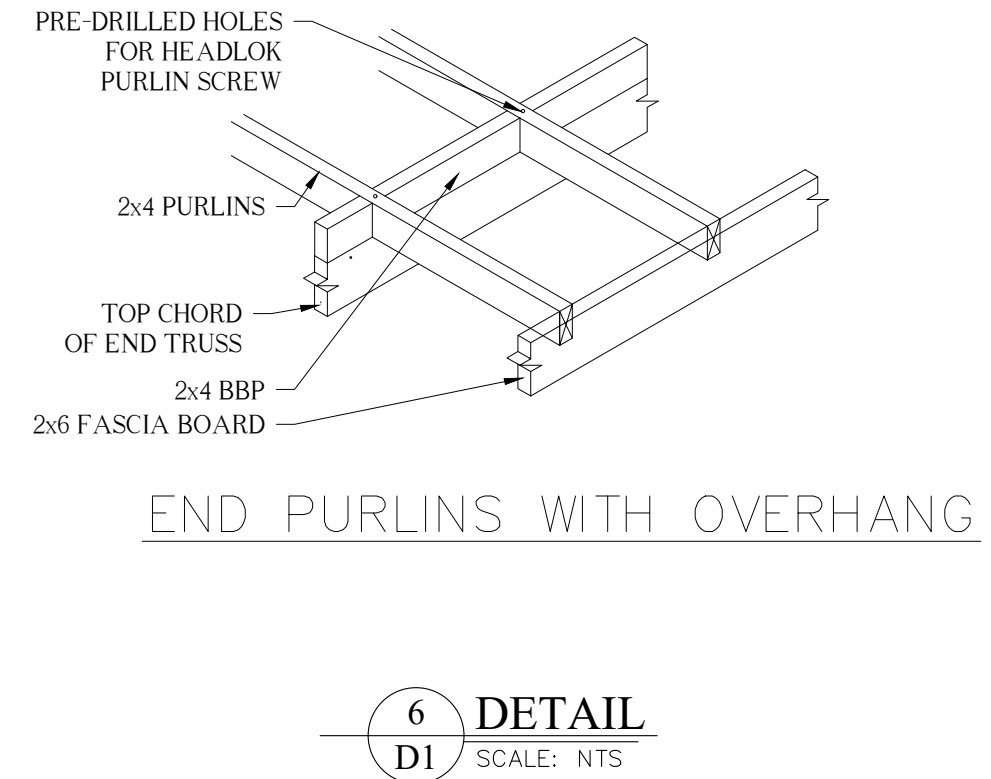
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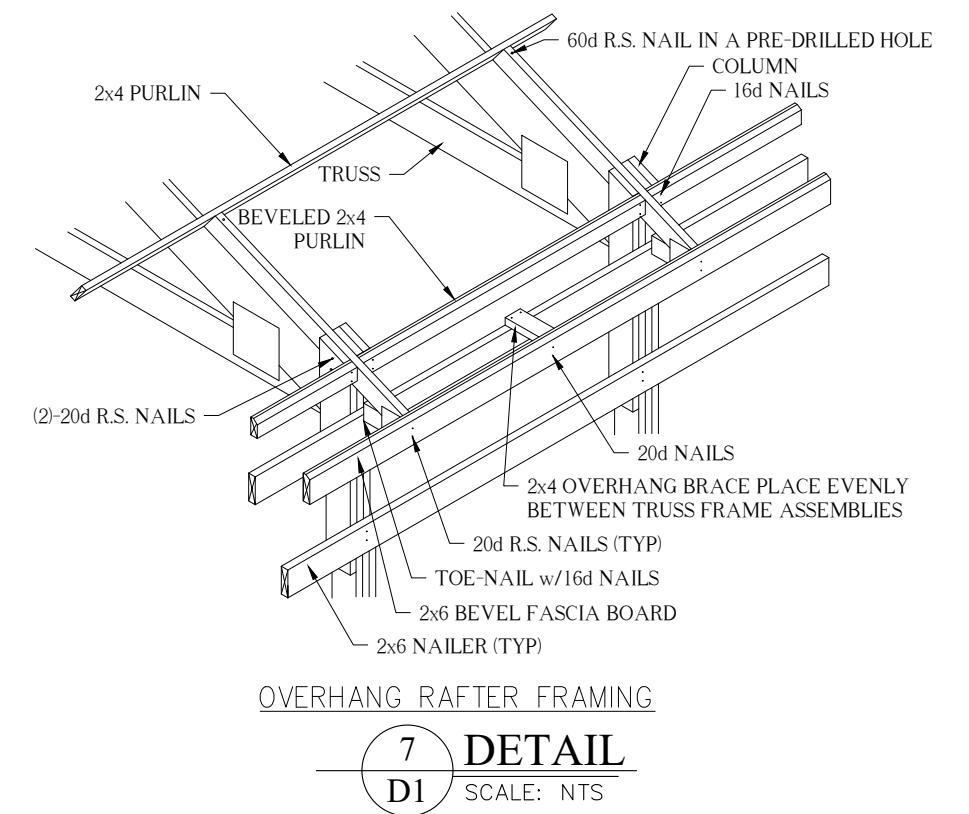
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D1 SCALE: NTS



5
D1 SCALE: NTS

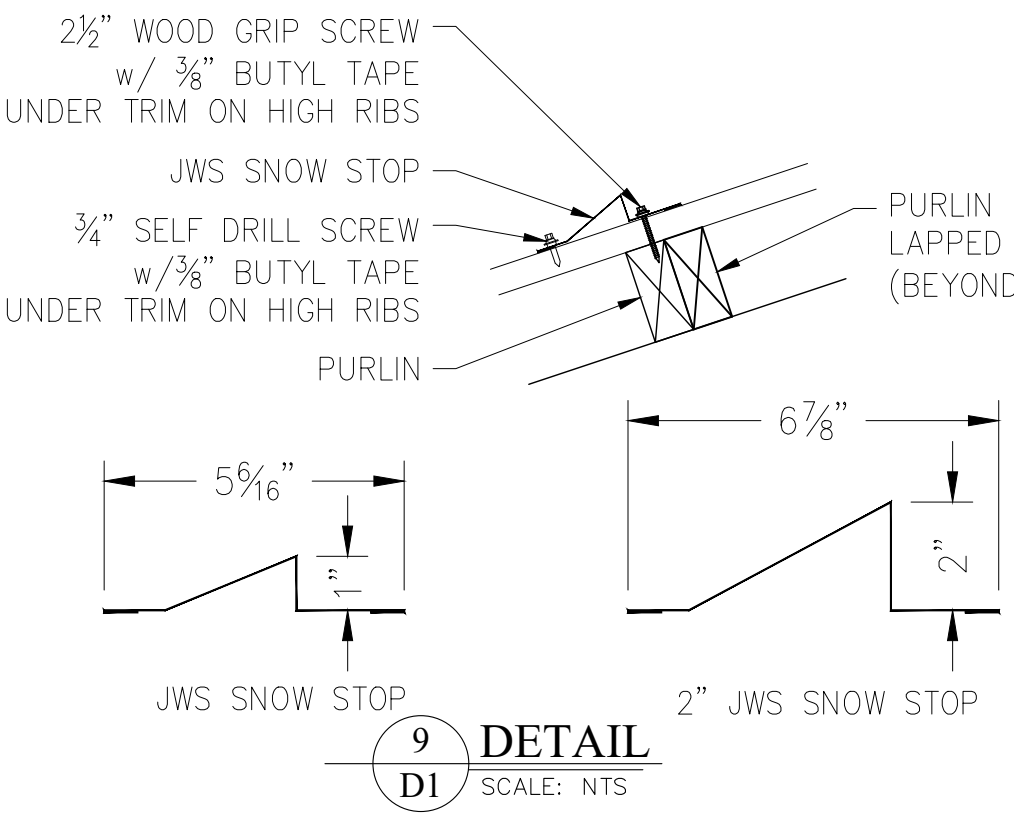


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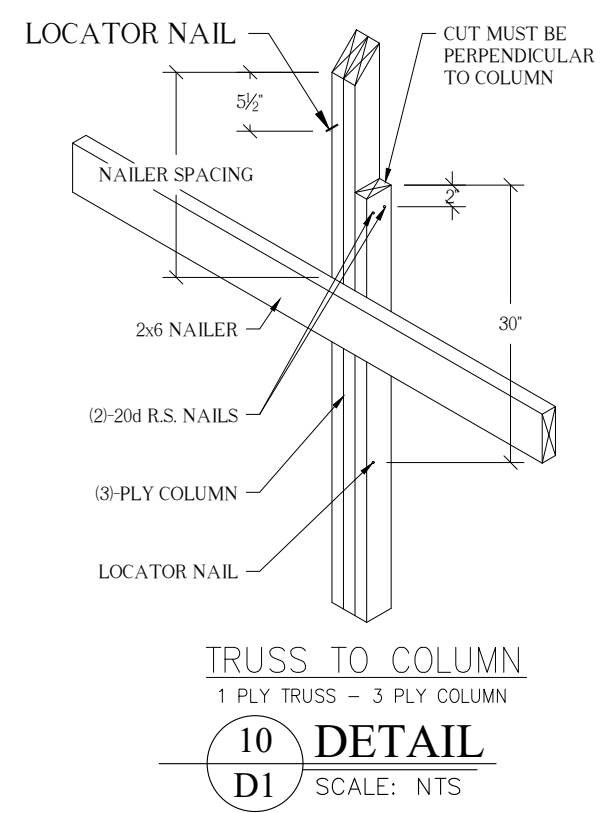


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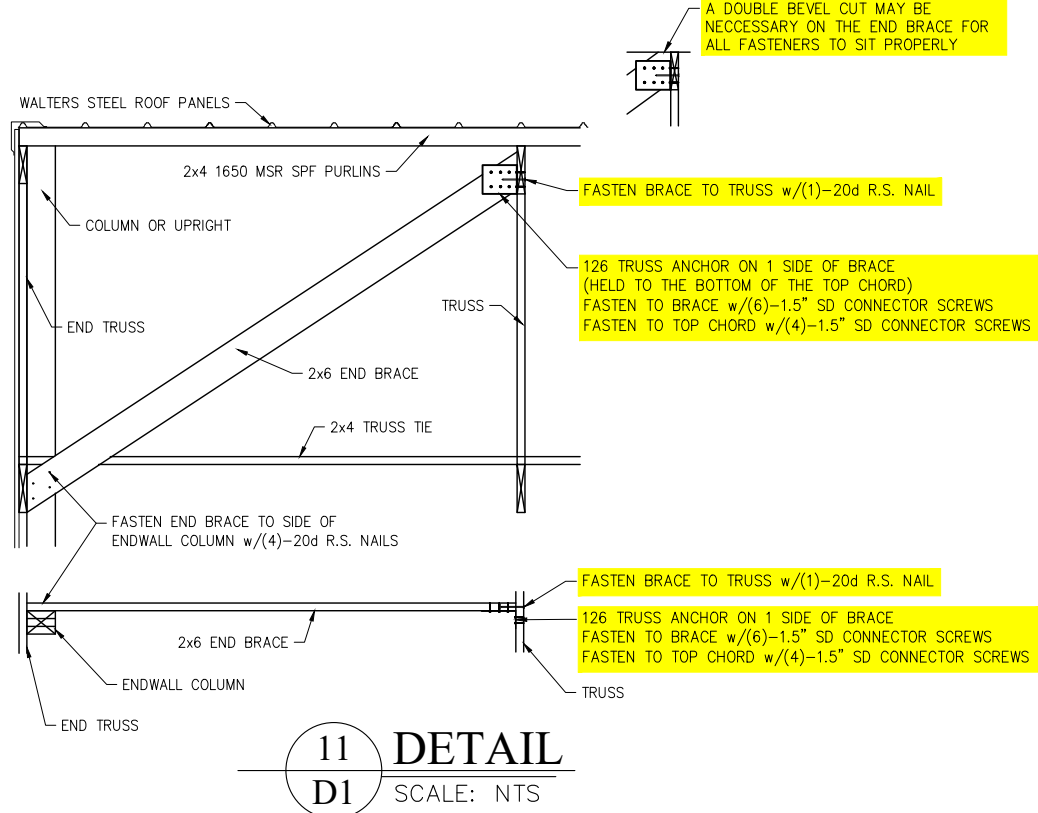
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9
D1 SCALE: NTS



10
D1 SCALE: NTS



11
D1 SCALE: NTS

12
D1 SCALE: NTS

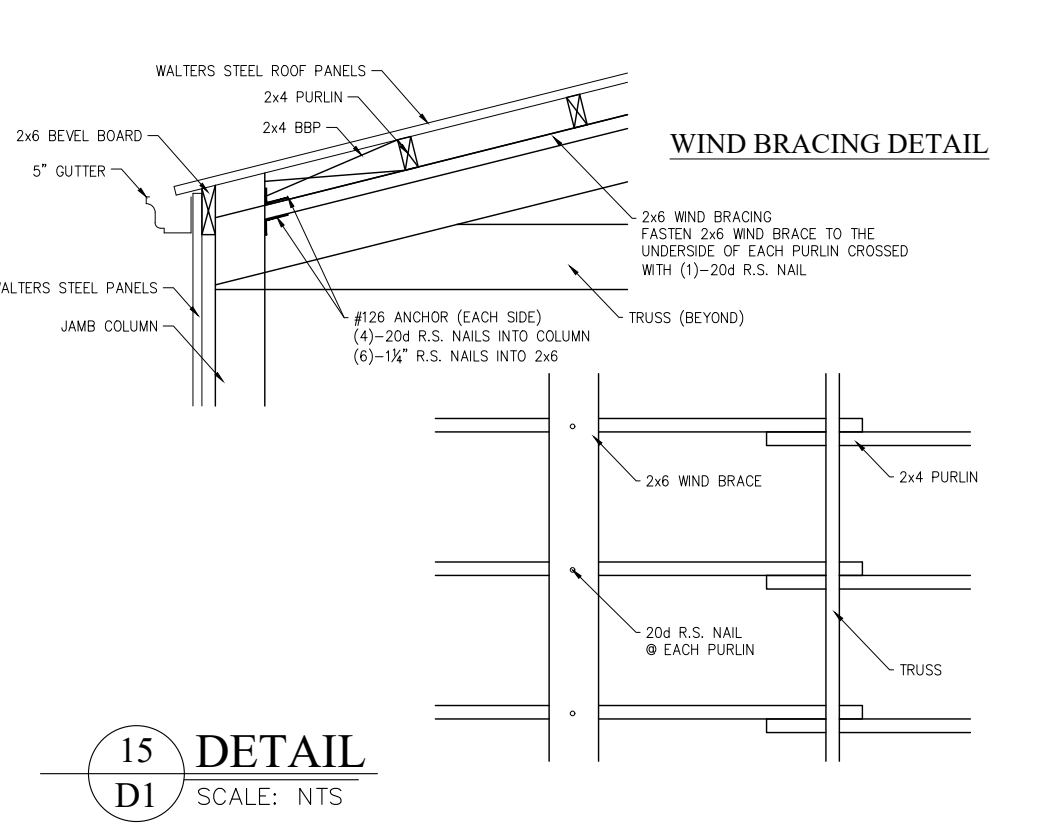
ADDITIONAL DETAILS



13
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14
D1 SCALE: NTS



15
D1 SCALE: NTS

16
D1 SCALE: NTS



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D1



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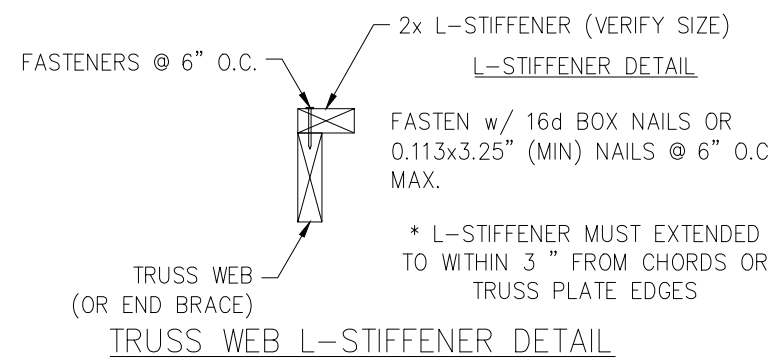
ENGINEER:
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JOB NUMBER:
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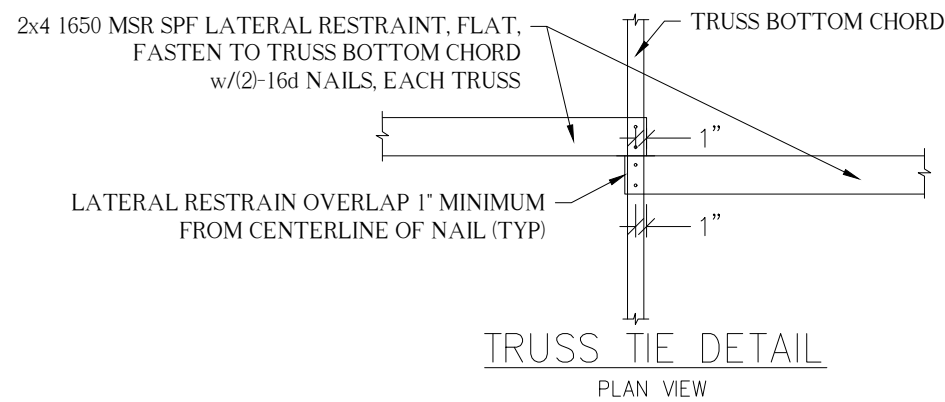
PROJECT ID:
2026000394

SHEET NUMBER:

T1



1
T1
SCALE: NTS



2
T1
SCALE: NTS

EAGLE METAL TRUSS TIE NOTE
PER EAGLE METAL PRODUCTS,
THE BOTTOM CHORD OF METAL PLATED WOOD
TRUSSES USED IN POST FRAME CONSTRUCTION MAY
BE Laterally BRACED AT A SPACING THAT DOES
NOT EXCEED 10'-0" O.C. UNDER SPECIFIC CONDITIONS.

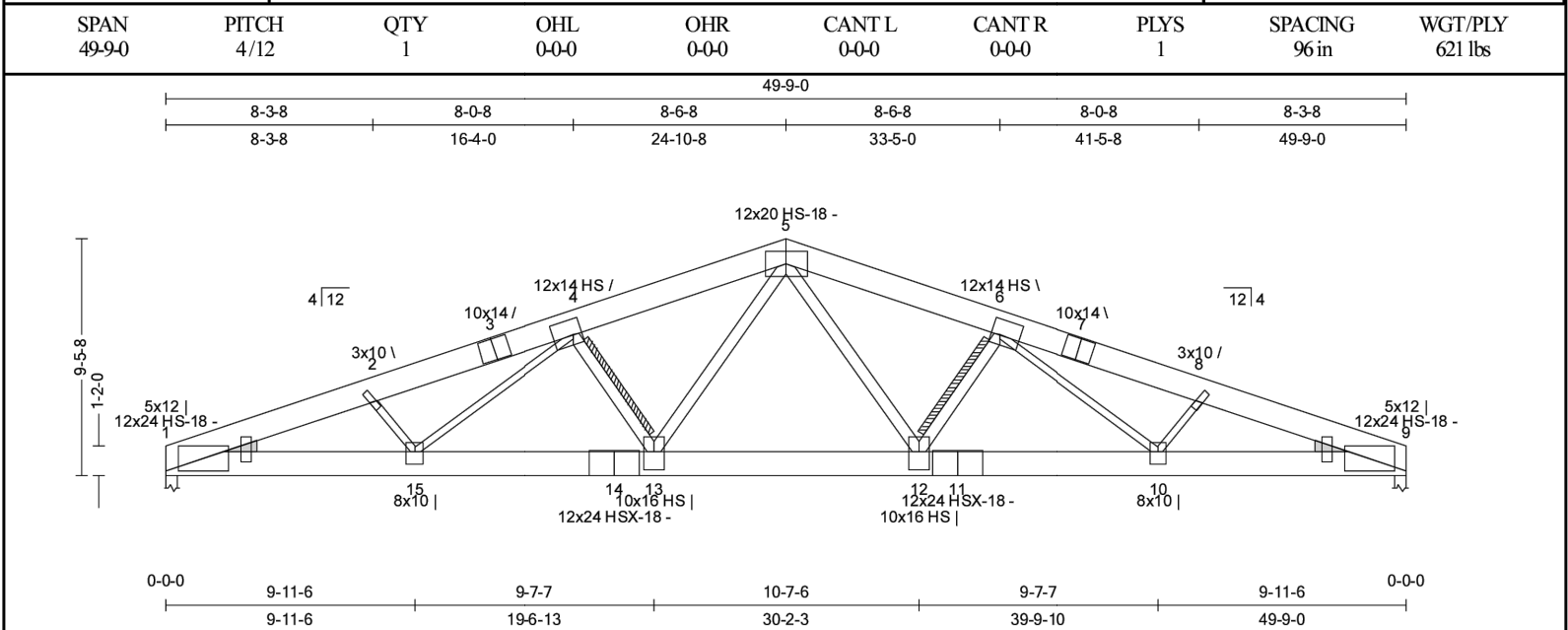
A LIST OF THESE SPECIFIC CONDITIONS & EAGLE
METAL LETTER ARE AVAILABLE UPON REQUEST FROM
WALTERS BUILDINGS.

3
T1
SCALE: NTS

4
T1
SCALE: NTS

STANDARD TRUSS FRAMING DETAILS

Greenwald Mukwonago, WI. 94-0852
Walters Buildings
PO Box 388
Allenton, WI 53002
Main: (262) 629-5521; Fax: (262) 629-5233;
Truss: 50ft 412 - Heavy
Job: STANDARD TRUSSES
Date: 09/17/25 10:48:53
Page: 1 of 1



All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI	Deflection	L/	(loc)	Allowed
TC: 45	Bldg Code: IBC 2021/	TC: 0.99 (6-8)	Vert TL: 1.38 in	L/424	(1243)	L/120
CSL: 50	TP1 1-2014	BC: 0.90 (9-10)	Vert LL: 0.92 in	L/659	(1243)	L/180
TCDL: 4 (nkt)	Rep Mtr: No	WB: 0.49 (6-10)	Horz TL: 0.42 in			
BCLL: 0	Lumber D.O.L.: 115%					
BCDL: 6						

Reaction	JT	Brg Combo	Brg Width	Rpd Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
1	1	5.5 in	8.77 in	10,592 lbs	-1,889 lbs	-1,889 lbs	-1,889 lbs	-1,889 lbs	173 lbs	
9	1	5.5 in	8.77 in	10,592 lbs	-1,889 lbs	-1,889 lbs	-1,889 lbs	-1,889 lbs		

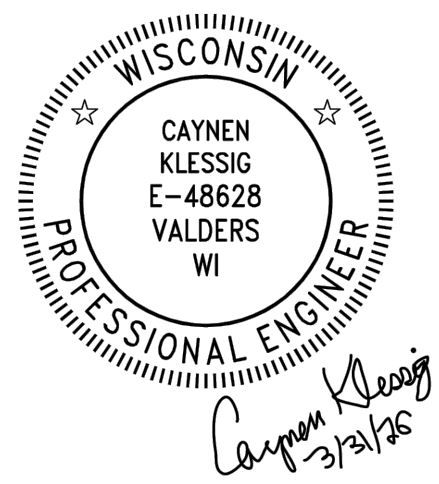
Material
TC: SYP 2400/2.0 2 x 12
BC: SYP 2400/2.0 2 x 12
WB: SYP #1 2 x 4 except
SYP 2400/2.0 2 x 6: 4-13, 5-13, 5-12, 6-12

Loads
1) This truss has been designed for the effects of balanced (42 psf) and unbalanced sloped roof snow loads in accordance with ASCE 7-16 with the following user defined input: 50 psf G_s, Terrain C, Exposure (C_e = 1.0), Thermal (C_t = 1.20), DOL = 1.15. Ventilated. If the roof configuration differs from hipped, Building Designer shall verify snow loads.
2) This truss has been designed for the effects of wind loads in accordance with ASCE 7-16 with the following user defined input: 115 mph (factored), Exposure C, Enclosed, Gable, Risk Category II, 10-15 ft, End Zone Truss, Both end webs considered, DOL = 1.60.
3) Non-enclosed minimum storage loading has been applied in accordance with IBC 1607.1

Member Forces Table indicates: Member ID, max CSI, max tension force, (max compression force). Only forces greater than 300 lbs are shown in this table.

TC	1-2	0.688	4,712 lbs	(25,584 lbs)	4-5	0.662	4,037 lbs	(20,064 lbs)	6-8	0.989	4,554 lbs	(24,302 lbs)
BC	9-10	0.896	23,847 lbs	(-4,134 lbs)	12-13	0.474	15,786 lbs	(-2,241 lbs)	15-1	0.896	23,847 lbs	(-4,134 lbs)
Web	2-15	0.335	877 lbs	(-2,200 lbs)	4-13	0.395	1,358 lbs	(-5,364 lbs)	5-12	0.425	6,216 lbs	(-830 lbs)
	4-15	0.485	2,930 lbs	(-340 lbs)	5-13	0.425	6,216 lbs	(-830 lbs)	6-12	0.395	1,358 lbs	(-5,364 lbs)

- Notes**
- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
 - 2) The fabrication tolerance for this roof truss is 20% (C_t = 0.80).
 - 3) Building Designer shall verify self weight of the truss and other dead load materials do not exceed TC DL 4 psf.
 - 4) Design assumes minimum 2x (vertical orientation, visually graded) purlins attached to the TC at purlin spacing shown with at least 2-10d nails.
 - 5) Brace bottom chord with approved sheathing or purlins per Bracing Summary.
 - 6) Least bracing shown is for illustration purposes only and may be placed on other edge of truss member.
 - 7) A safety factor of 3.0 has been applied for this truss analysis.
 - 8) The "SYP" label shown in the "Material Summary" above indicates the new SPB design values effective June 1, 2013 were used.
 - 9) At least one web is braced with a L-brace. L-braces shall be min. 2x4 stud grade and shall extend to within 3" of the chord at both ends. Attach L-braces to web using 16d nails at max. 6" on center spacing. Brace by others. See BCSH3 for additional information.
 - 10) □ Indicates non-structural members.
 - 11) Listed wind uplift reactions based on MWFRS & C&C loading.



WARNING: Verify all design parameters and follow all notes on this drawing and in the Eagle Metal Design Notes. This design is for an individual building component (a truss), not a truss system, and is based only on parameters shown and provided by the Building Designer. The applicability of the design parameters must be verified by the Building Designer and should properly incorporate this design into the overall building design before use. Bracing shown is only to prevent buckling of individual truss web and/or chord members. Additional temporary and permanent bracing is always required to prevent collapse and provide stability. Design valid only when Eagle Metal connectors are used. A seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown.

TrueBuild® Truss Software v5.8.5
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