

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.

WALTERS BUILDINGS GENERAL SPECIFICATIONS

SPLASHBOARDS - Splashboards are 2"x4" S4S #2 or better Southern Pine, pressure treated to a net retention of 0.4 pounds per cubic foot with Smart SenseTM copper based treatment.

Building code compliant - NER #628. One row is furnished for building on a level grade. Smart SenseTM is a trademark of S-T-N Holdings, Inc.

FRAMING - Side girts are 2"x4" S4S 1650 MSR or better Spruce Pine Fir spaced approximately 32" o.c. with all joints staggered at attachment to columns. Roof purlins are 2"x6" S4S 2400 MSR or better Southern Yellow Pine spaced on edge approximately 24" o.c.

GUTTERS - 5" box type gutters, color to match trim, on both side of the building.

ROOFING PANELS - Structural Steel Grade 80 with G-90 Sheet, pretreatment, urethane primer, and Modified silicon polyester topcoat. Conforms to ASTM A 653.

SIDING PANELS - Structural Steel Grade 80 with G-90 Sheet, pretreatment, urethane primer, and Modified silicon polyester topcoat. Conforms to ASTM A 653.

TRIM - Die formed trim of Structural Steel Grade 80 with G-90 Sheet, pretreatment, urethane primer, and Modified silicon polyester topcoat on gables, ridges, corners, base, windows and doors.

ERECTION NOTES - All wood members must be properly braced until the complete structural system has been completed. The contractor must refer to TPI publication BCSI-B10 POST FRAME SUMMARY SHEET, "POST FRAME TRUSS INSTALLATION & TEMPORARY RESTRAINT / BRACING" for erection, handling and bracing guidance.

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.

STRUCTURAL STEEL - All structural steel required shall be equal to A-36. Design shall conform to the latest AISC Specifications.

WOOD - All wood design shall conform to ANSI/AF&PA NDS-2015.

SOIL BEARING VALUES - Foundations shall not be placed prior to confirmation of the soil type at a depth of 5 feet below the bottom of the footing. The presumed soil bearing value for footing design is 2,000 PSF.

PLACEMENT - All below grade concrete or Sakrete footings to bear on firm, dry, virgin soil or compacted granular fill in uniform layers not exceeding 8" in depth after compaction. Each layer shall be uniformly spread and compacted at the optimum moisture content to a dry density that is at least 90% of the maximum density.

CONCRETE - Design mixes shall be obtained from the following: 1. Strength to be a minimum of 3500 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. Concrete placement shall be in accordance with ACI 318-95. * CONCRETE SLUMP TEST RESULTS REPORT WILL BE PROVIDED. ** Visual soil bearing composition will be performed and to meet the min. bearing capacity of 2000 psf.

REINFORCING STEEL - 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
3. for concrete reinforcement shall meet the requirement shall meet the requirements set forth in
4. Standard Specification (ASTM designation A-185). The reinforcement shall not be painted and
5. must be free from grease, dirt or deep rust when placed in the work. To prevent rust, the material
6. must be protected from moisture. The reinforcement shall be protected by the proper thickness of
7. concrete. Where not otherwise shown, the thickness of concrete over the reinforcement shall be :
A. Where concrete is deposited against the ground without the use of forms, the thickness of
B. concrete shall not be less than 3 inches.
C. Where concrete is exposed to weather, the thickness of concrete shall not be less than 1 1/2 inches.
D. In columns or pedestals not exposed to weather or ground, the thickness of concrete shall not be
E. less than 1 1/2 inches.
Reinforcing steel shall be placed in accordance with CRSI Standards.

ANCHOR BOLTS - The contractor shall set all anchor bolts to receive the building. The bolts shall be the size as shown or required and shall be set with the use of a template. They may be drilled into place as allowed. The anchor bolts must be set or drilled into concrete with a minimum strength of 3,000 PSI at 28 days. Many states require a 2" bolt with a minimum of 7" embedment.

EXIT SIGN - Sign shall have an illumination intensity of not less than 5 foot-candles. Exit signs shall be illuminated at all times. To ensure continued illumination for a duration of not less than 90 minutes in case of primary power loss. Per IBC 1003.2.10.1, exit signs are not required in rooms or areas which require only one exit. Provide an approved type illuminated sign bearing the word "EXIT" in 6" high letters above all doors shown as a circled letter "E" with four radiated dashes.

Check required door & window rough openings before framing.

WALK DOORS - Solid Blank Polyurethane Foam Core or With Double Pane Window. WINDOWS - Double Pane Clear Thermal Break Metal Frame Windows. OVERHEAD DOORS - Thermal Core.

ELECTRICAL - All work shall be done in strict accordance with state and local codes. Electrical work in not part of this plan

Exterior cracks, joints, and holes in the buildings envelope are caulked, gasketed, weatherstripped, or otherwise sealed. Interior finish of walls & ceiling shall have a flame spread rating of less than 200. Interior finish Class III Rating - flame spread rating less than 200 and smoke development rating of less than 450.

SOUND & INSULATION - Exposed shall have a flame spread rating of 25 or less and smoke development rating of 450 or less. Concealed shall have a flame spread rating of 75 or less and a smoke development rating of 450 or less. Vapor retarder shall be installed to the warm side of the insulation.

GENERAL SPECIFICATIONS

The project consists of a Studwall structure for SUSAN A. BUTE, FINISH LINE STORAGE per WALTERS BUILDINGS Specifications. The building is a total of (6,193) sq. ft.

BUILDING LOCATION : FINISH LINE STORAGE
2110 ENTERPRISE AVE
LA CROSSE, WI
LA CROSSE COUNTY

Type of Construction - 5B, Unprotected Combustible
Use Group Classification - S-1 - MODERATE HAZARD STORAGE
NON-HEATED MINI STORAGE STUDWALL BUILDING

2015 IBC

S-1 MODERATE HAZARD STORAGE - Risk Category II
Tabular Allowable Area per IBC Table 506.2 = 9,000 sq. ft.
Total Allowable Area Based on Open Perimeter & Sprinkler Requirements = 12,000 sq. ft.
Allowable Height per IBC Tables 504.3 & 504.4 = 1 Story, 40 feet

OCCUPANT LOAD - Risk Category II
(AREA 1) = 6193 sq. ft./500 = 13.39
ACTUAL OCCUPANT LOAD = 13
LARGEST UNIT OCCUPANCY = 1

SNOW - Risk Category II
Pf = 0.7CeCtIpg
Ps = CsPf
Pg (Ground Snow Load) = 40 PSF
Ce (Snow Exposure Factor) = 1.0
Ct (Thermal Factor) = 1.2
I (Snow Load Importance Factor) = 1.0
Pf (Flat Roof Snow Load) = 33.6 PSF
Cs = 0.94
Ps = 31.5 PSF
Unbalanced Snow Load = 35 PSF USING SPS 362.1608
Used Design Roof Snow Load = 35 PSF

WIND - Risk Category II
Qz = 0.00256KzKztKd(V)2
P = Qz[(GCpf)-(GCpi)]
Kz (Velocity Pressure Exposure Coefficient) = 0.70
Kzt (Wind Speed Up) = 1.0
Kd (Wind Directionality) = 0.85
U (ULTIMATE WIND SPEED) = 115 MPH
Nominal Wind Speed Conversion Factor = 0.6
V (Nominal Wind Speed) = 89.1 MPH
I (Wind Load Importance Factor) = 1.00
Qz (Velocity Pressure) = 12.1 PSF
GCpf = Figure 6-3
GCpi = +0.18 or -0.18
USED P = 13 PSF
Exposure Category B = Represents urban and suburban, wooded areas or terrain with numerous closely spaced obstructions the size of single family dwellings or larger.

SEISMIC - Risk Category II
Ss (Mapped Spectral Response Acceleration 0.2 Sec) = 5.30%
S1 (Mapped Spectral Response Acceleration 1.0 Sec) = 3.60%
Sds (Spectral Response Coefficient) = 0.057
SD1 (Spectral Response Coefficient) = 0.058
Seismic Design Category = Category A
Site Class D
Seismic Base Shear = 1,357#
Basic Structural and Seismic-Resisting System= Light Framed Walls W/Shear Panels

R (Response Modification Factor) = 7.0
Cs (Seismic Response Coefficient) = 0.010
Using Equivalent Lateral Force Procedure

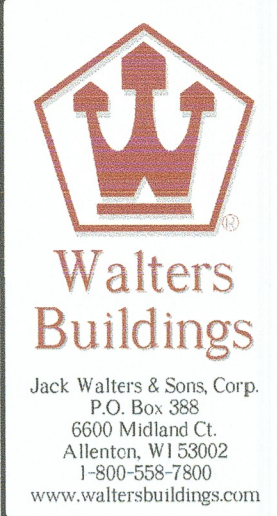
LOADS
Ground Snow Load : 40 PSF
Design Snow Load (Ps = Live Load) : 31.5 PSF
Unbalanced Snow Load = 35 PSF
Snow Load Used= 35 PSF
Total Load Used= 39 PSF
115 MPH Exposure B
Design Wind Load (P=Velocity Pressure): 13 PSF
Presumed Soil Bearing Capacity : 2000 PSF
Presumed Lateral Soil Pressure : 150 PSF

Table with 2 columns: ABBREVIATIONS and L.A.V. (List of Abbreviations). Includes terms like ASB, AFF, ASPH, BD, BWP, BIT, BLK(G), BDI, BRC, B.S., C, CFT, C.H., CLOS, COM, C.M.U., D, DBL, E.C., E.E., E.F., E.W., F.D., F.E., F.O., GA, GTE, GTH, I, LAM, L.V., LVR, MAS, MIL, M.O., MNB, N.I.C., N.T.S., O.C., OHD, O/O, PERI, PL, PSF, PSI, P.T., R.C., R.O., R.O.W., S.C., S.O.G., S.Q., S.T.P., T&G, T.O.L., T.O.W., TYP, TRED, U.O.N., WH, WWP.

FASTENING SCHEDULE table with columns: BUILDING ELEMENT, NAIL OR STAPLE SIZE & TYPE, NUMBER & LOCATION. Includes rows for Floor Construction, Wall Construction, Roof & ceiling construction, and Sheathing.

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.

SHEET INDEX table listing A1 through P1 with corresponding Specs Page and Plot Plan. Includes a scale bar (1/8" = 1'-0"), job number P98-1153R3, and a professional engineer seal for Daniel L. Pederson, Registered Professional Engineer, State of Wisconsin, No. P228914, dated 10/10/19.



REVISIONS

OWNER: SUSAN A. BUTE

PROJECT: FINISH LINE SELF STORAGE

LOCATION: 2110 ENTERPRISE AVE, LA CROSSE, WI

SALES REP / DEALER: DAVE RUDRUD

DRAWN BY: JOHN S. ON 10/9/2019

ESTIMATED BY: EST ON

LAST SAVED BY: JSCHEIDER ON 10/9/2019

SCALE

1/8" = 1'-0"

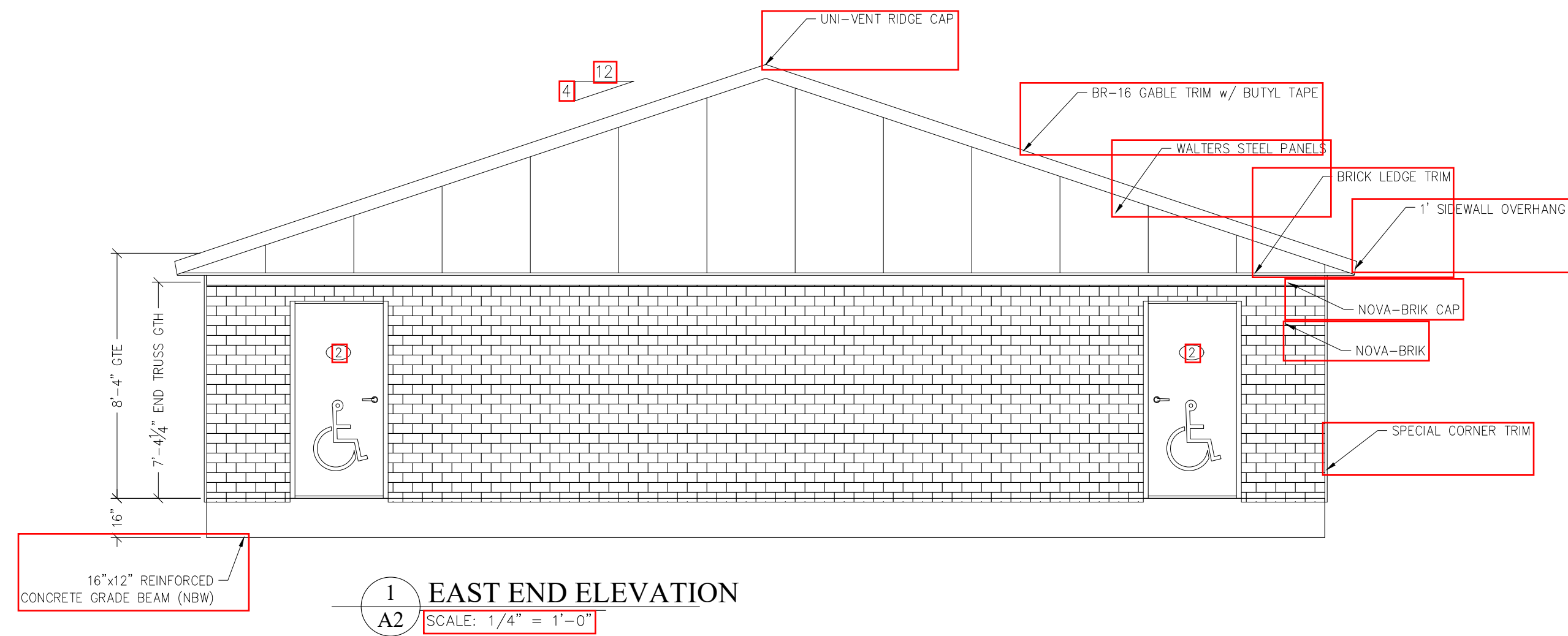
JOB NUMBER: P98-1153R3

SHEET NUMBER

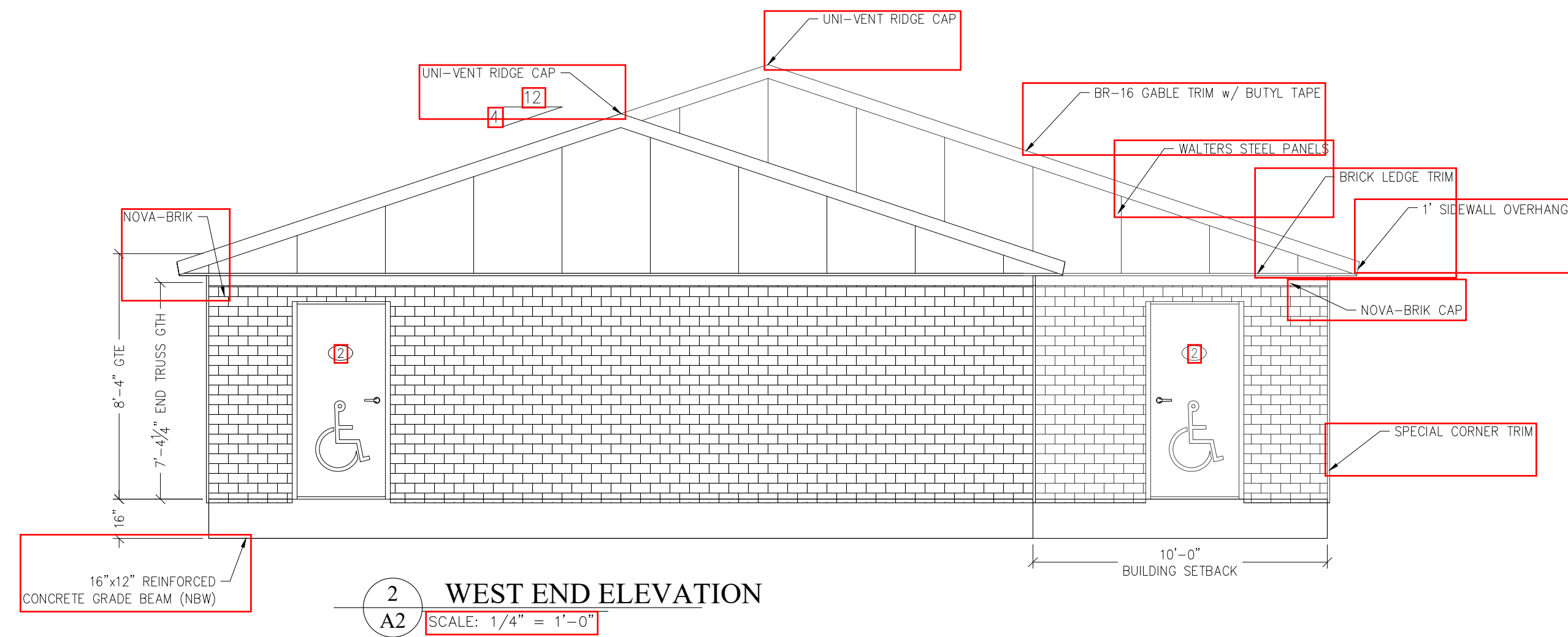
A1

REVISIONS:

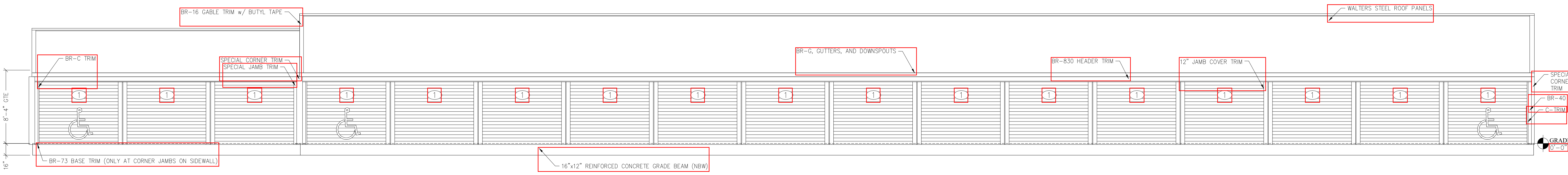
DOOR & UNIT SCHEDULE		
TAG	TYPE	QTY
1	9'-0"x7'-0" ROLL UP DOOR	34
2	3'-0"x6'-8" COMMERCIAL WALKDOOR w/ KIKKSET LEVERSET	4
A	10'x30' UNIT	3
B	10'x20' UNIT	28



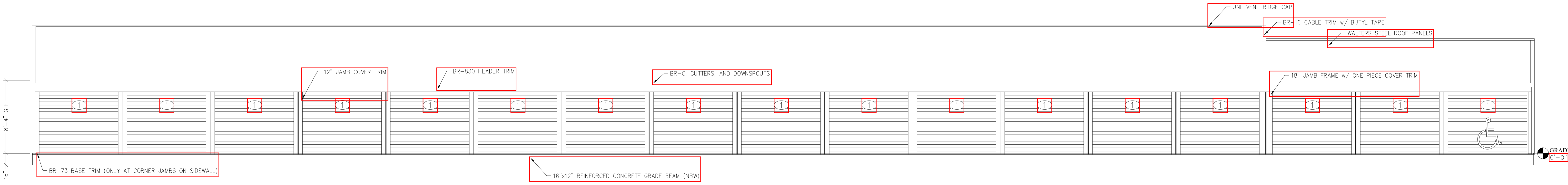
1 EAST END ELEVATION
 A2 SCALE: 1/4" = 1'-0"



2 WEST END ELEVATION
 A2 SCALE: 1/4" = 1'-0"



3 SOUTH SIDE ELEVATION
 A2 SCALE: 3/16" = 1'-0"



4 NORTH SIDE ELEVATION
 A2 SCALE: 3/16" = 1'-0"

OWNER:
 SUSAN A. BUTE

PROJECT:
 FINISH LINE SELF STORAGE

LOCATION:
 2110 ENTERPRISE AV.
 LA CROSSE, WI

SALES REP / DEALER:
 DAVE RUDRUD

DRAWN BY:
 JOHN S. ON: 10/10/2019

ESTIMATED BY:
 EST ON:

LAST SAVED BY:
 JSCHEIDER ON: 10/10/2019

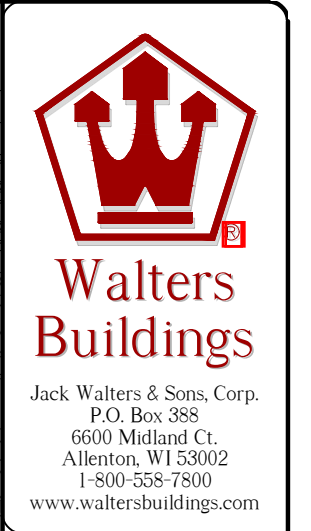
SCALE:
 AS NOTED

JOB NUMBER:
 P98-1153R3

SHEET NUMBER:

A2

DOOR & UNIT SCHEDULE		
NO.	TYPE	QTY
1	9'-0" x 7'-0" ROLL UP DOOR	34
2	3'-0" x 6'-8" COMMERCIAL WALKDOOR w/ KWIKSET LEVERSET	4
A	10' x 30' UNIT	3
B	10' x 20' UNIT	28



REVISIONS:

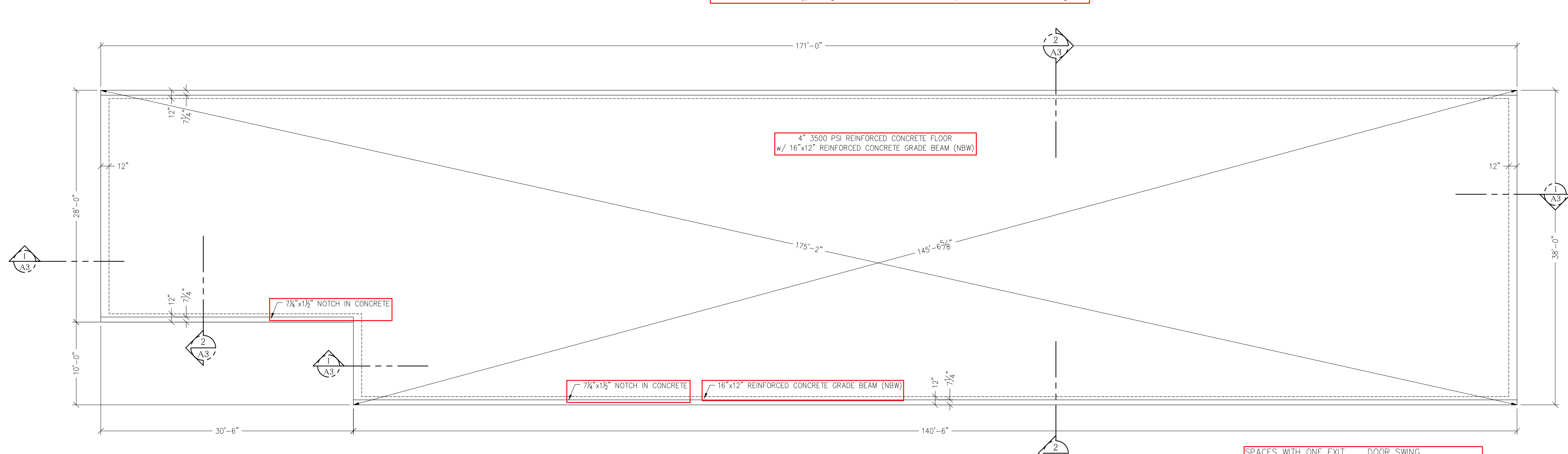


Table 1: Mark From To Including (A-H)

Mark From	A	B	C	D	E	F	G	H
To	1 1/2	2	3 1/2	4	5 1/2	6	7 1/2	8
Including	1	2	3	4	5	6	7	8

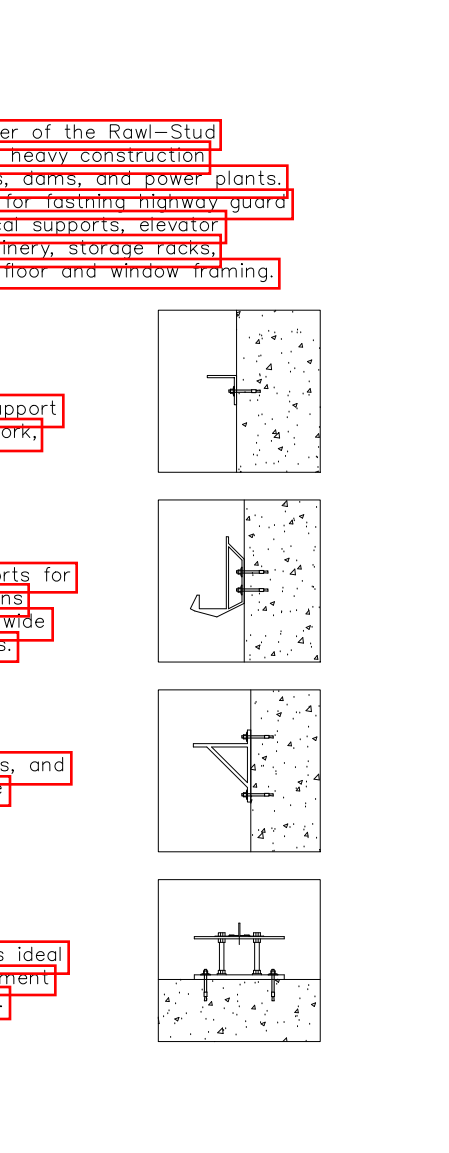
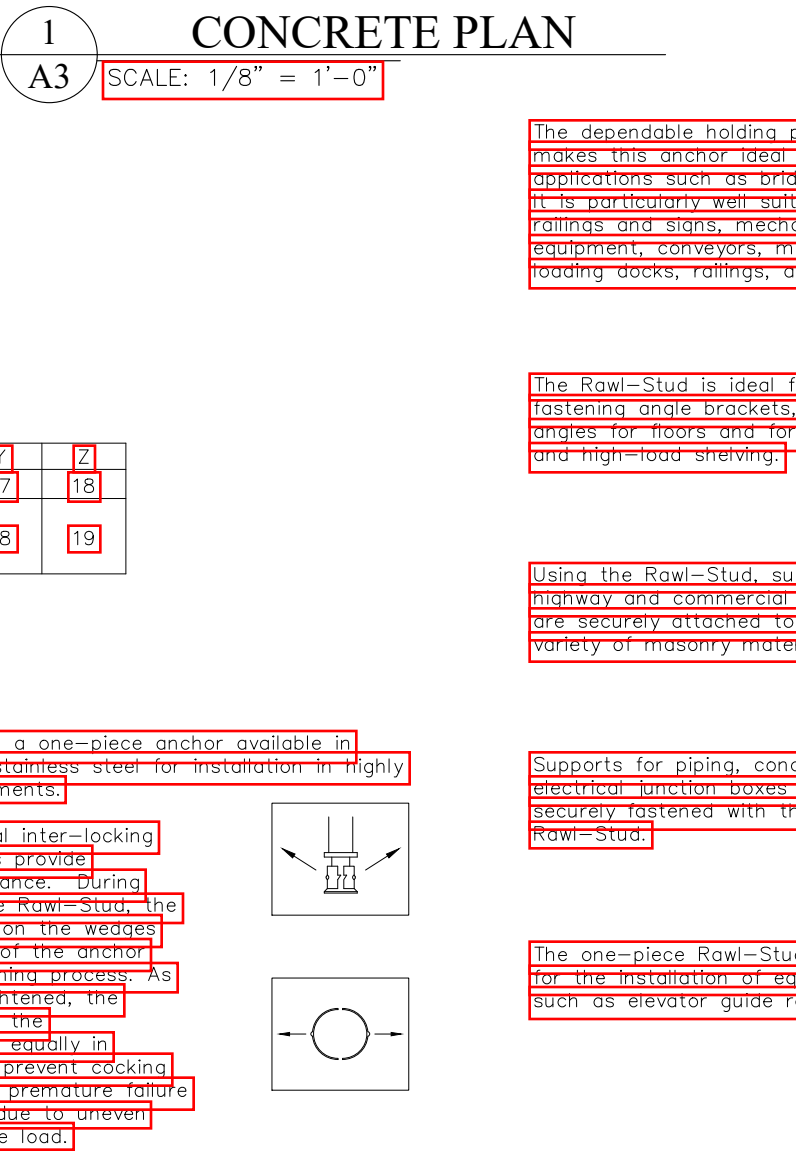
Table 2: Mark From To Including (I-P)

Mark From	I	J	K	L	M	N	O	P
To	9 1/2	10	11	12	13	14	15	16
Including	9	10	11	12	13	14	15	16

Table 3: Mark From To Including (Q-Z)

Mark From	Q	R	S	T	U	V	W	X	Y	Z
To	17 1/2	18	19	20	21	22	23	24	25	26
Including	17	18	19	20	21	22	23	24	25	26

Use in concrete, stone, brick, block, masonry, and grout.

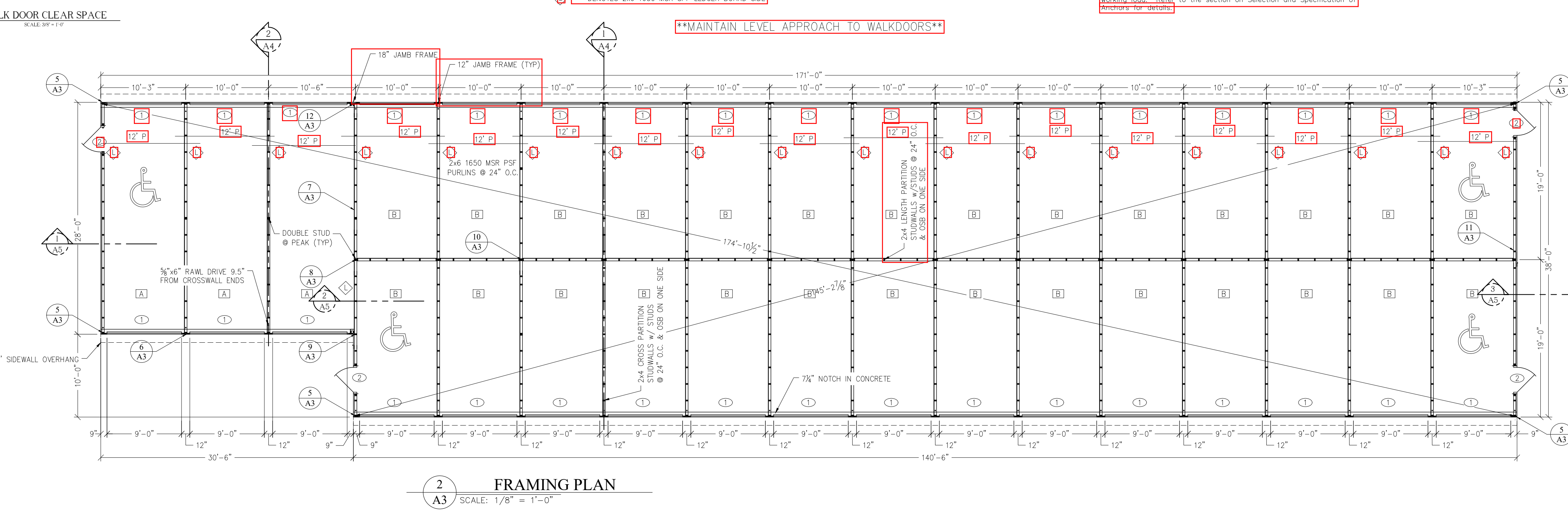
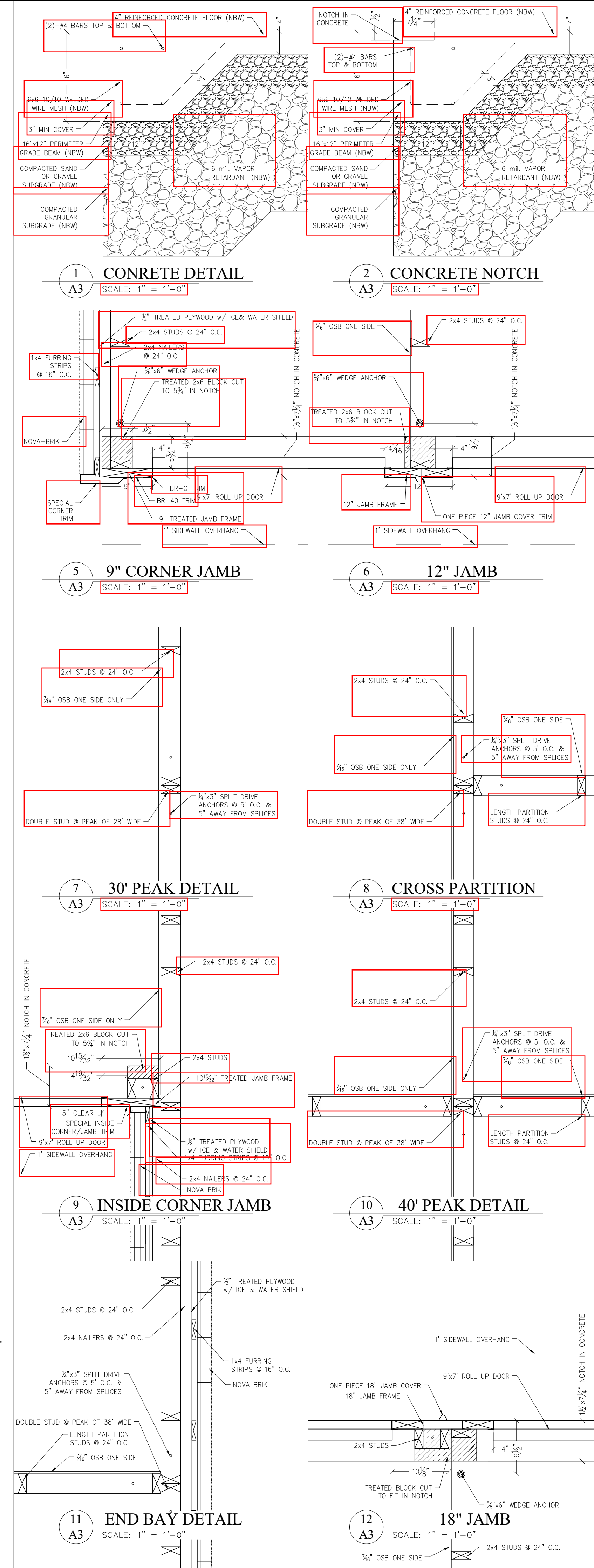


LOAD CAPACITIES FOR RAWL-STUD

Anchor Size	Embed (in)	Install (in)	2,000 psi Concrete	4,000 psi Concrete	5,000 psi Concrete
1/2"	1 1/2"	8"	1,670	2,400	2,995
3/8"	1 1/4"	8"	1,160	1,630	2,030
1/4"	1 1/4"	8"	820	1,150	1,420

SHEAR LOAD TABLE (lbs)

Anchor Size	Embed (in)	Install (in)	2,000 psi Concrete	4,000 psi Concrete	5,000 psi Concrete
1/2"	1 1/2"	8"	3,450	4,800	5,950
3/8"	1 1/4"	8"	2,360	3,240	4,020
1/4"	1 1/4"	8"	1,660	2,280	2,820



OWNER: SUSAN A. BUTE

PROJECT: FINISH LINE SELF STORAGE

LOCATION: 2110 ENTERPRISE AV. LA CROSSE, WI

SALES REP / DEALER: DAVE RUDRUD

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ESTIMATED BY: EST ON:

LAST SAVED BY: JSCHNEIDER ON: 10/10/2019

SCALE: AS NOTED

JOB NUMBER: P98-1153R3

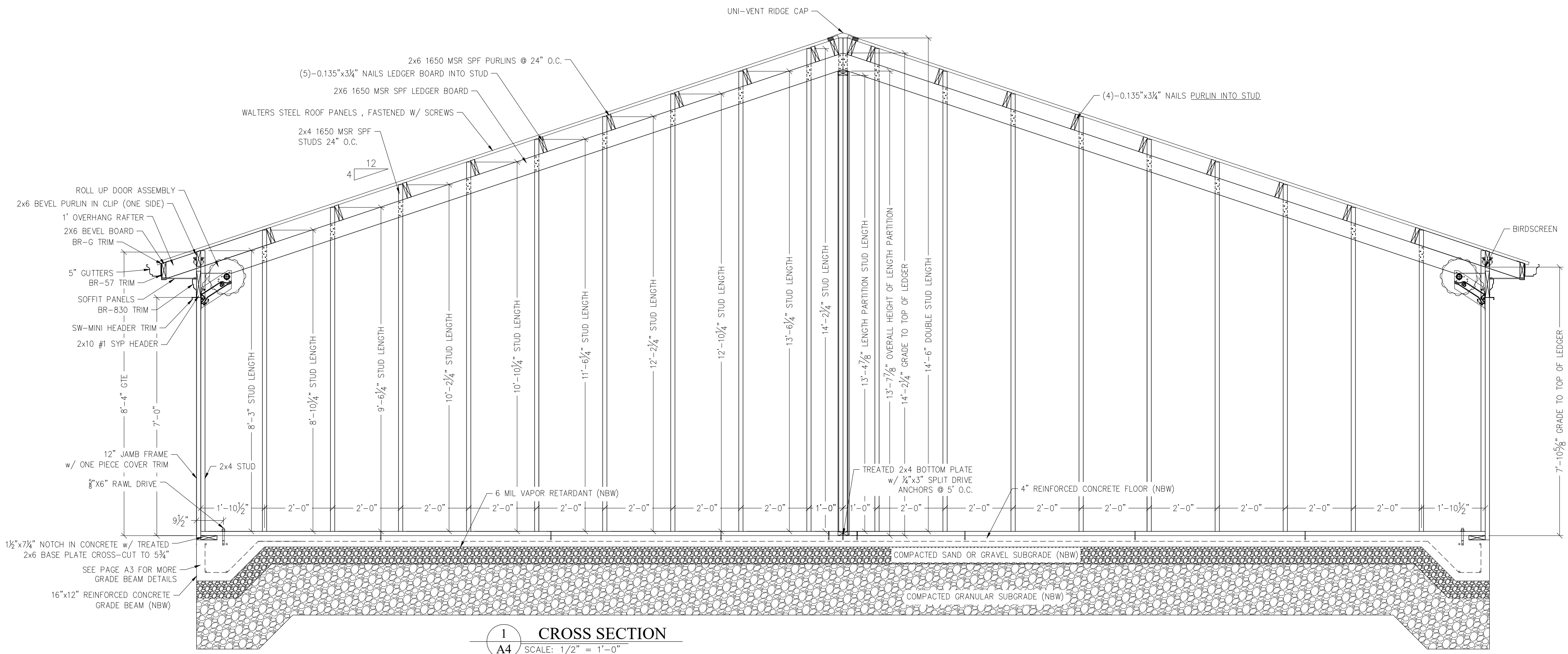
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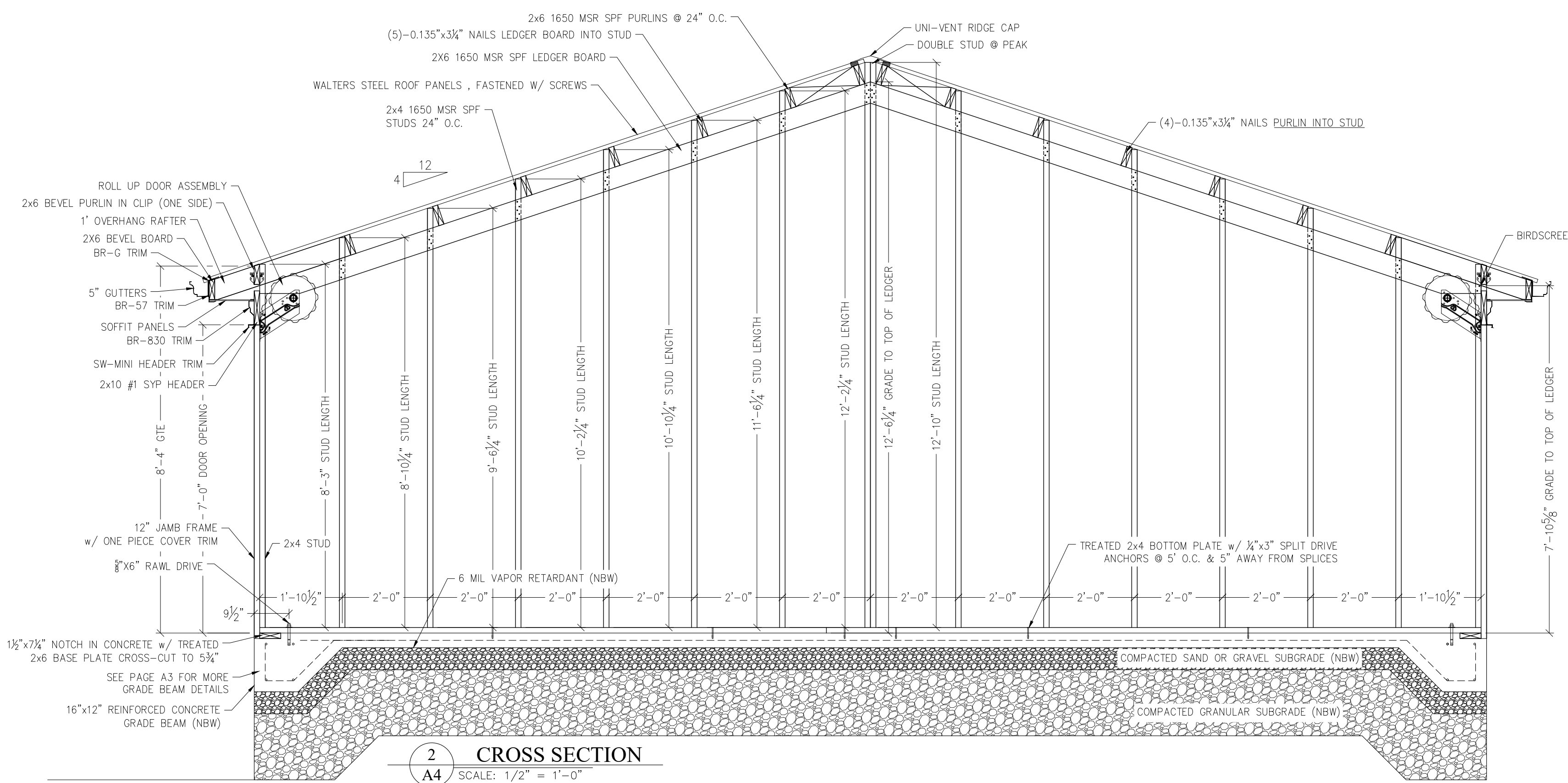
Walters Buildings

Jack Walters & Sons, Corp.
P.O. Box 388
6600 Midland Ct.
Allenton, WI 53002
1-800-555-7800
www.waltersbuildings.com

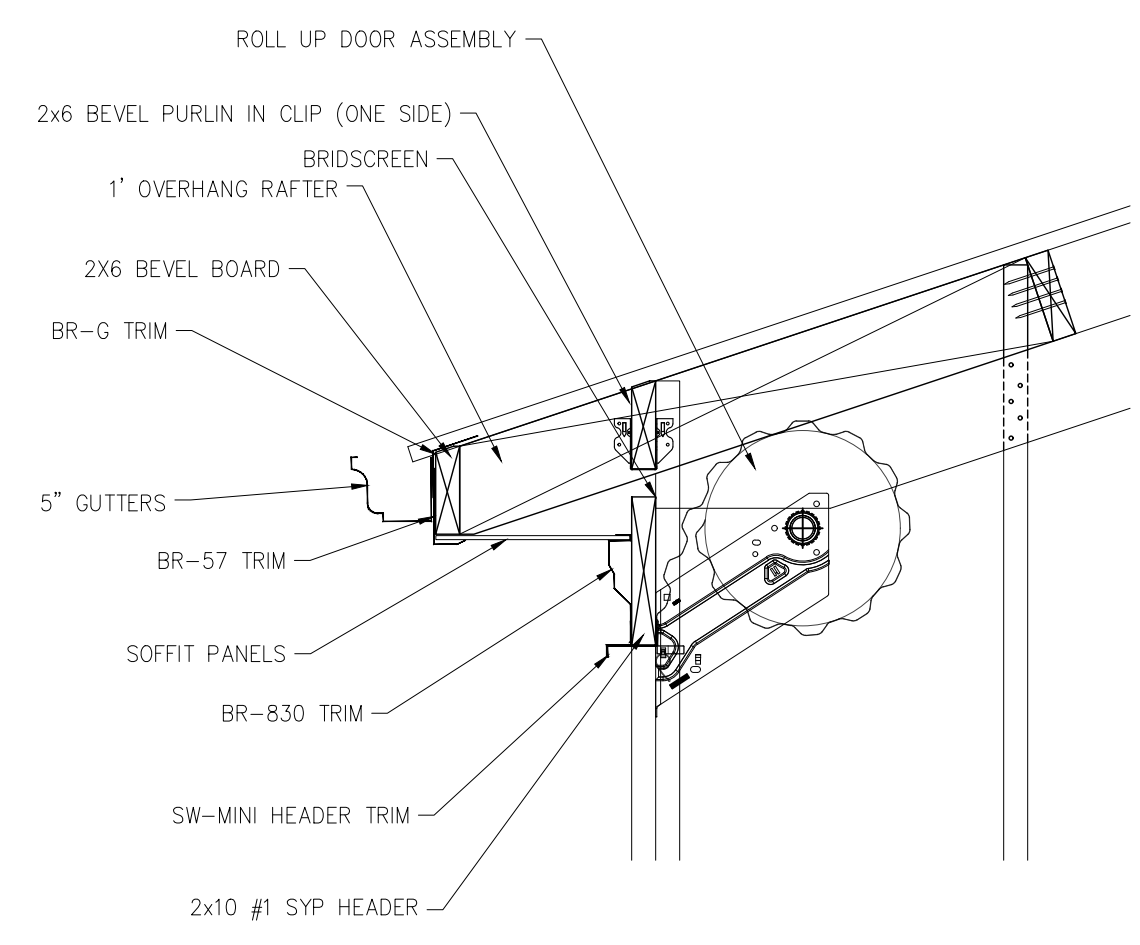
REVISIONS:



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



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



OWNER:
SUSAN A. BUTE

PROJECT:
FINISH LINE
SELF STORAGE

LOCATION:
2110 ENTERPRISE AV.
LA CROSSE, WI

SALES REP / DEALER:
DAVE RUDRUD

DRAWN BY:
JOHN S. ON: 10/10/2019

ESTIMATED BY:
EST ON:

LAST SAVED BY:
JSCINEBER ON: 10/10/2019

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

JOB NUMBER:
P98-1153R3

SHEET NUMBER:

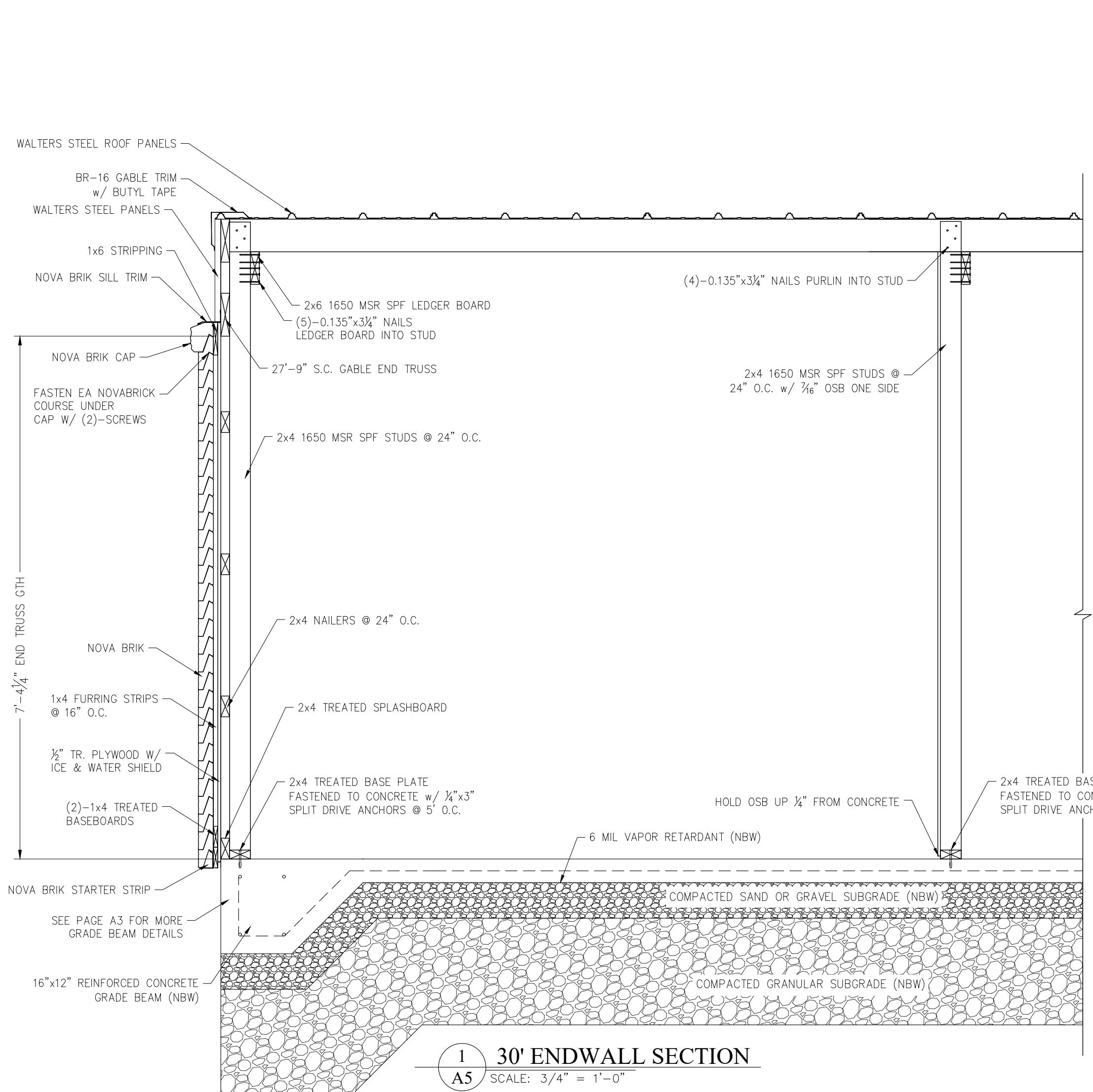
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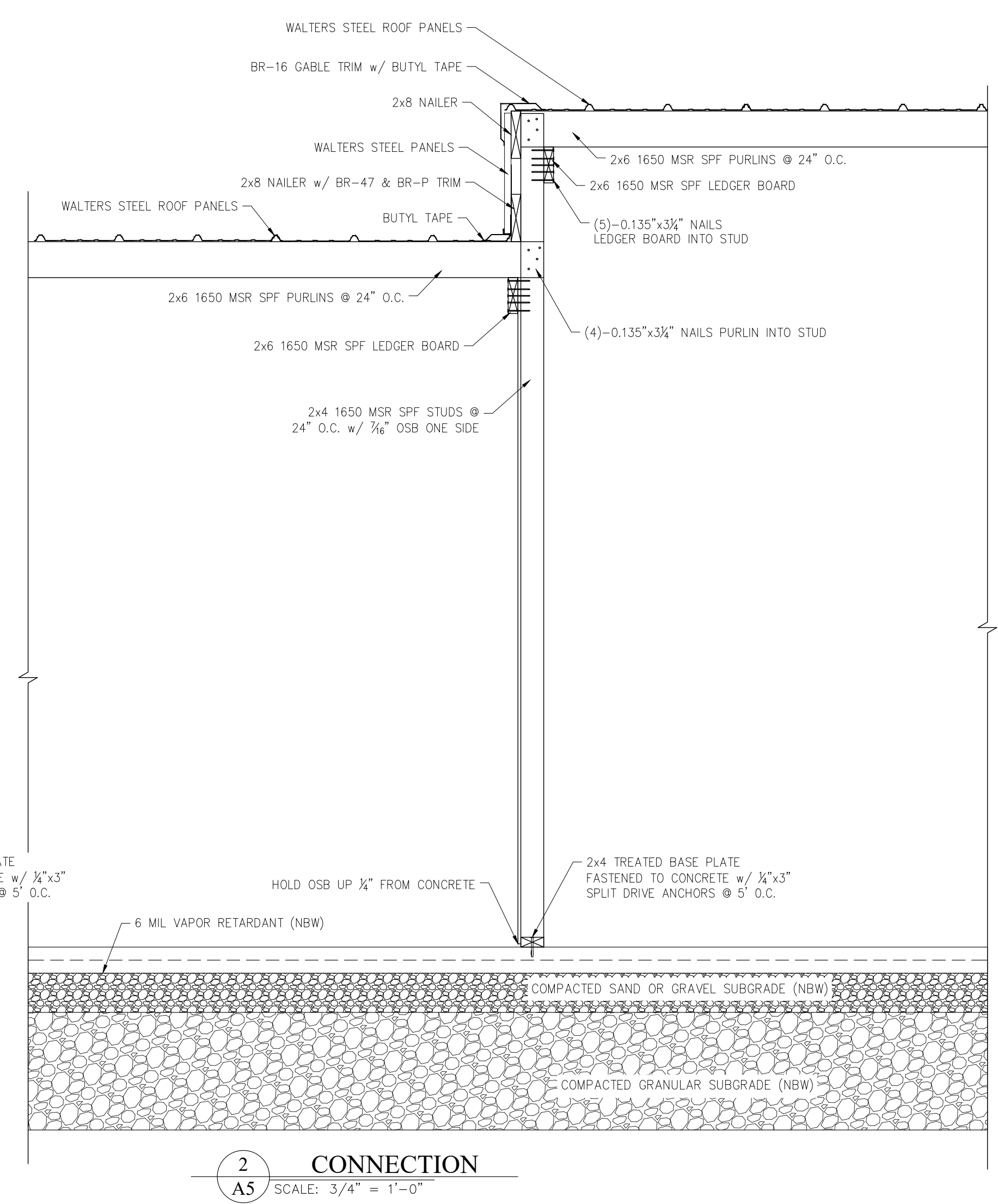
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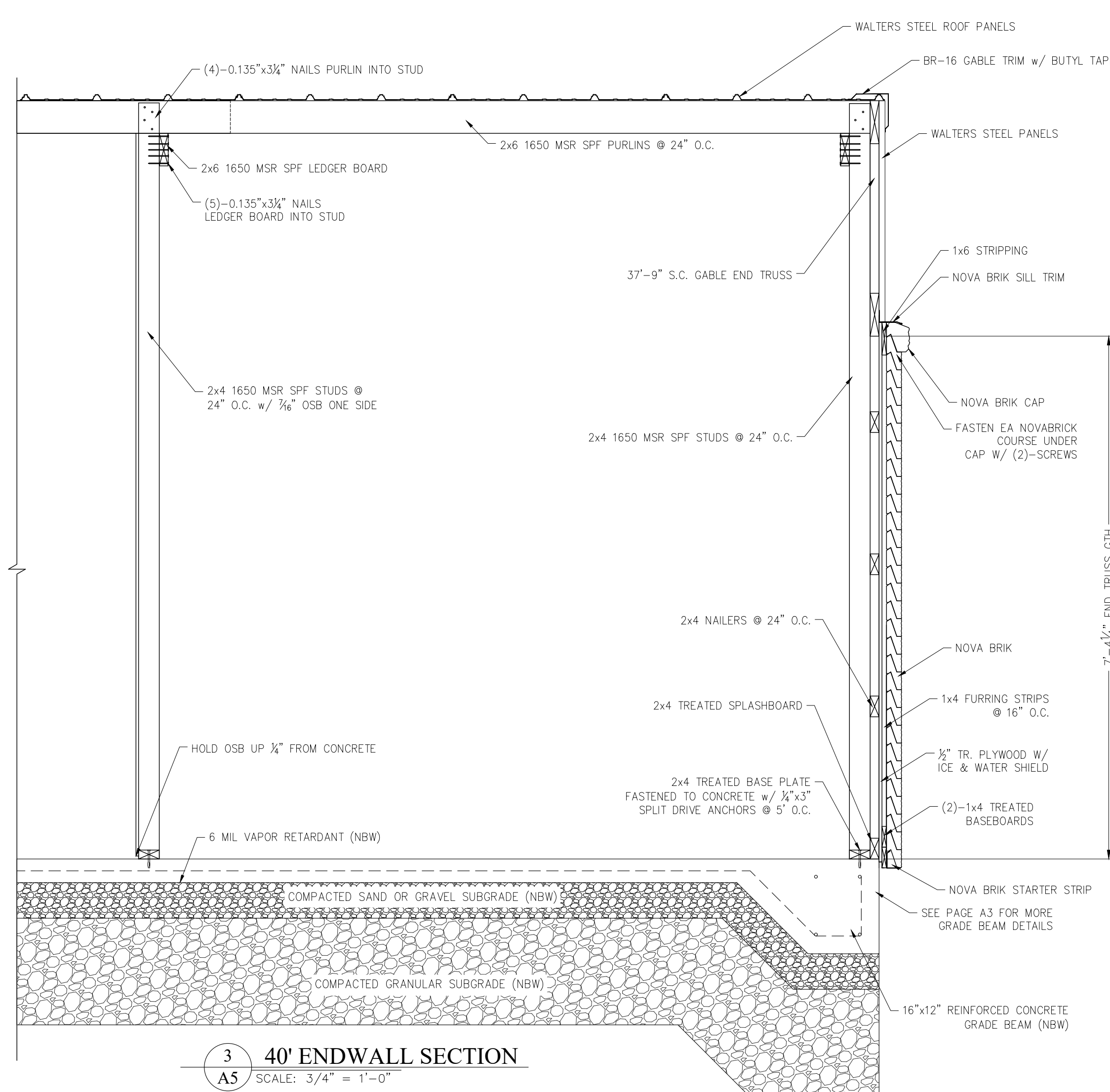
REVISIONS:



1 30' ENDWALL SECTION
SCALE: 3/4" = 1'-0"



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



3 40' ENDWALL SECTION
SCALE: 3/4" = 1'-0"

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

JOB NUMBER:
P98-1153R3

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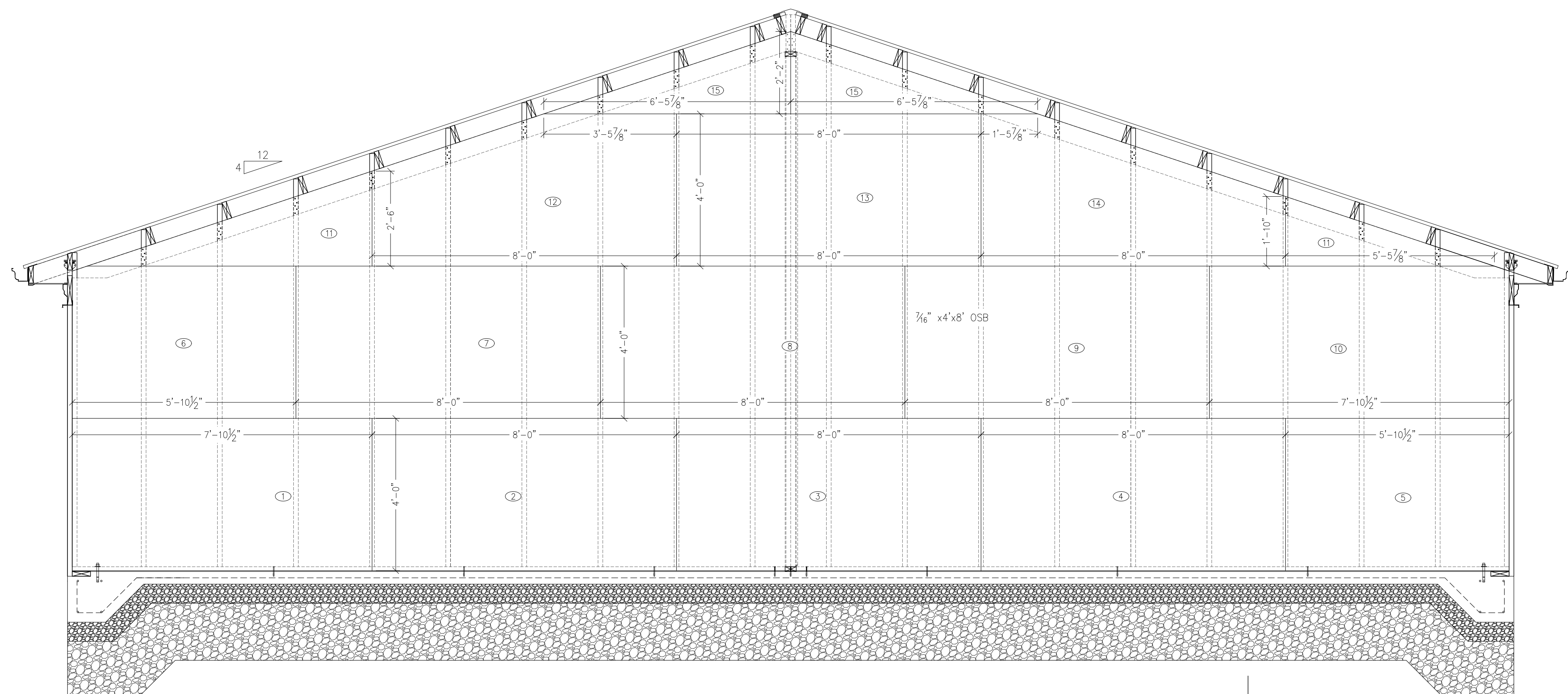
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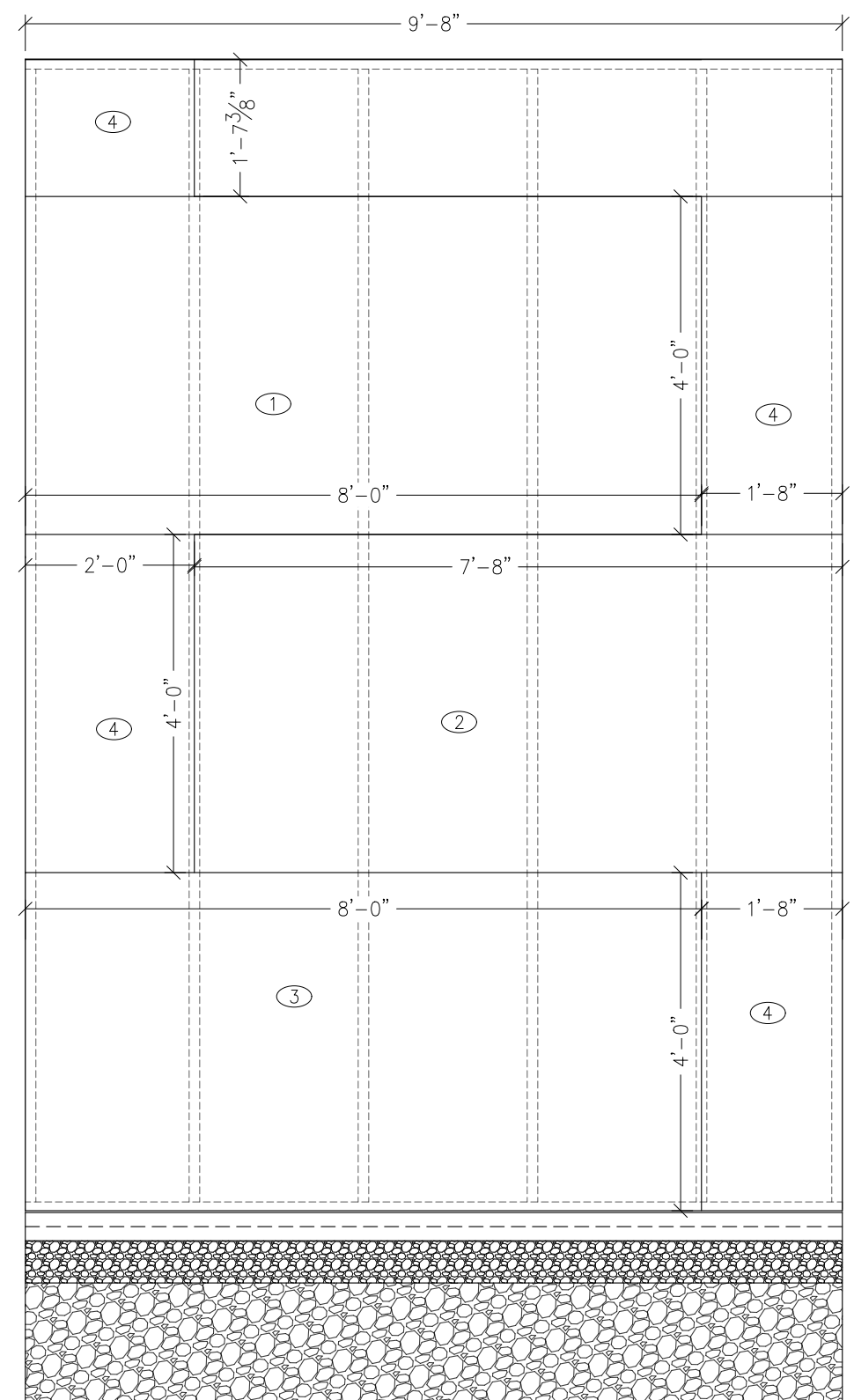
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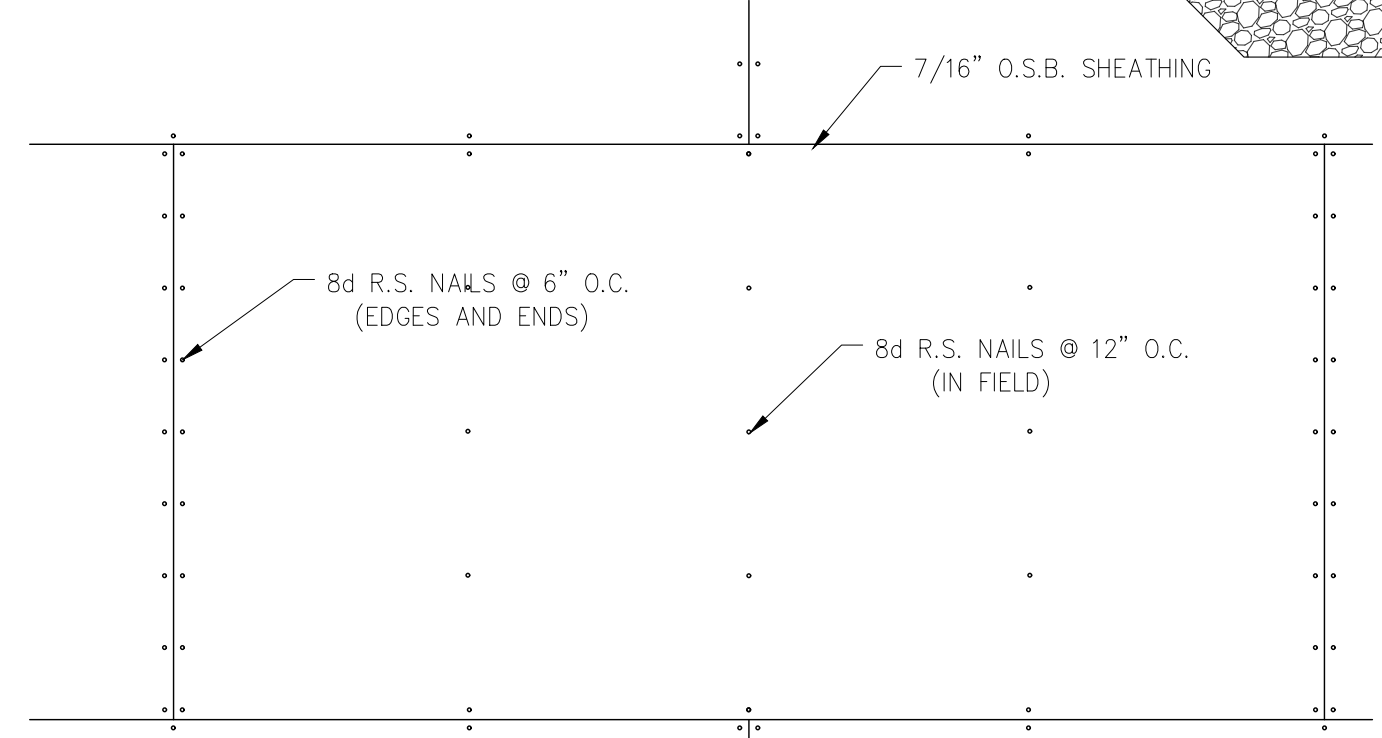
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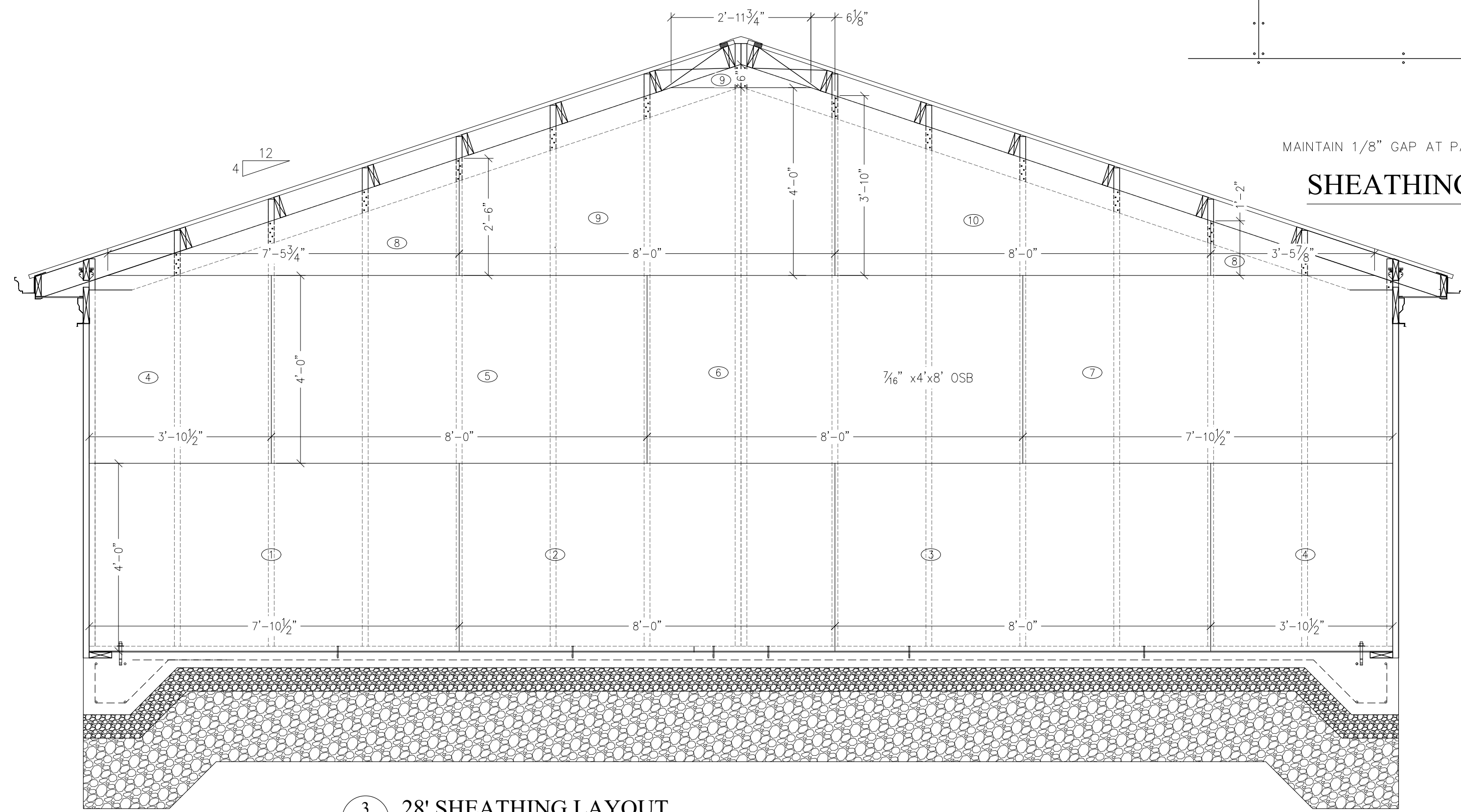
1 38' WIDE SHEATHING LAYOUT
A6 SCALE: 1/2" = 1'-0"



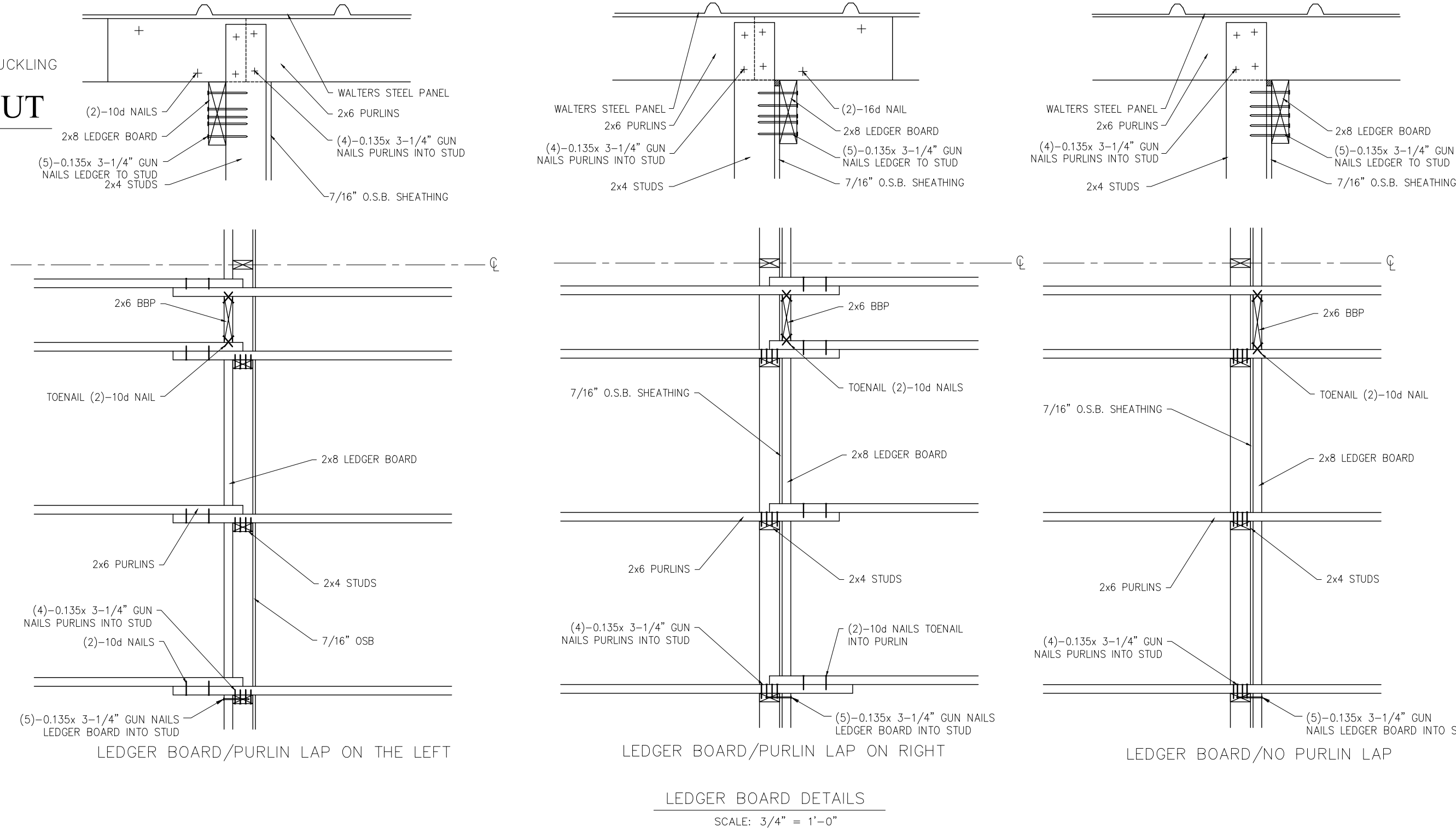
2 LENGTH PARTITION SHEATHING LAYOUT
A6 SCALE: 1/2" = 1'-0"



SHEATHING FASTENING LAYOUT



3 28' SHEATHING LAYOUT
A6 SCALE: 1/2" = 1'-0"



LEDGER BOARD DETAILS
SCALE: 3/4" = 1'-0"

OWNER:
SUSAN A. BUTE

PROJECT:
FINISH LINE
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SCALE:
1/2" = 1'-0"

JOB NUMBER:
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SHEET NUMBER:

A6



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REVISIONS

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LOCATION:
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JOHN S. ON: 10/10/2019

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EST ON:

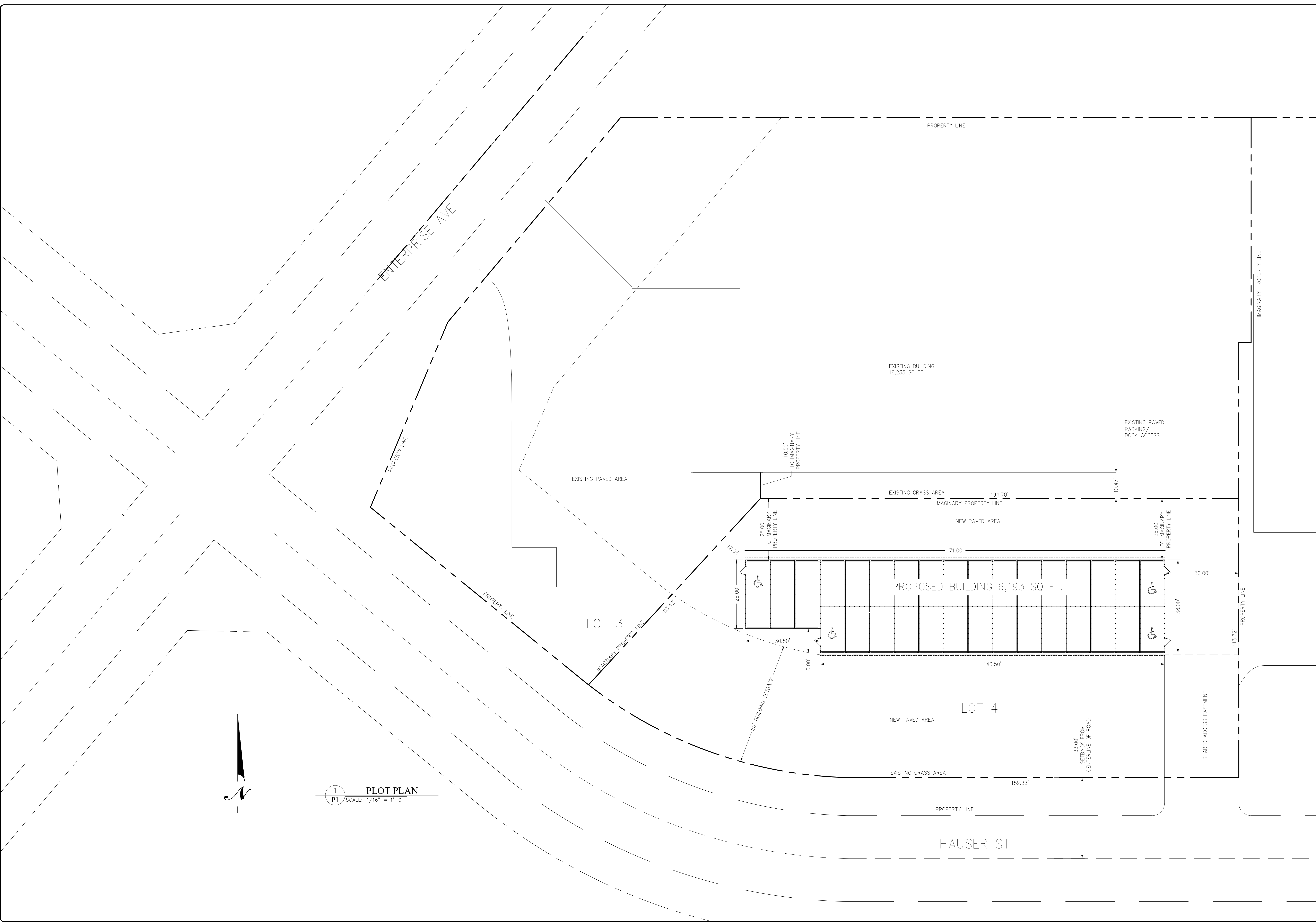
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JSCHEIDER ON: 10/10/2019

SCALE:
AS NOTED

JOB NUMBER:
P98-1153R3

SHEET NUMBER:

P1



PLOT PLAN
SCALE: 1/16" = 1'-0"