OLD HICKORY BUILDINGS, LLC
P.O. BOX 331973
MURFREESBORO, TN 37133

GENERAL NOTES:

1. STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2015 INTERNATIONAL RESIDENTIAL CODE AND THE 2015 INTERNATIONAL BUILDING CODE.
2. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE ABOVE CODES AT THE TIME OF MANUFACTURE.
3. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
4. STRUCTURES ARE CLASSIFIED AS "MINOR STORAGE FACILITIES" (RISK CATEGORY I) PER IBC TABLE 1604.5 AND SHOULD NOT BE USED FOR HUMAN HABITATION.
5. STRUCTURES ARE DESIGNED FOR LOCATIONS THAT HAVE A 3 SECOND WIND GUST OF 115 MPH FOR RISK CATEGORY I STRUCTURES PER IBC FIGURE 1609.3(3) AND ASCE 7-10 FIGURE 26.5-1C.
6. SIDING FASTENERS SHALL NOT BE INSTALLED IN PANEL SIDING GROOVES IN THE FIELD OF THE PANEL OR WHEN THE SIDING GROOVES OCCUR AT CUT EDGES OF THE SIDING PANEL.
7. STRUCTURES SHOULD HAVE 25 YEAR RATED FIBERGLASS/ ASPHALT SHINGLES OR 29 GA METAL ROOFING OVER WOOD SHEATHING.
8. WOOD FRAMING SHALL COMPLY WITH THE ANSI/AWC "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION", 2015.
9. ALL ROOF DECKING IS TO BE 7/16" OSB.
10. ALL SIDING IS TO BE 5/8" TREATED T1-11 PLYWOOD, 3/8" LP SMART PANEL, OR LP DUTCH LAP SIDING. 7/16" OSB WALL SHEATHING IS TO BE INSTALLED ON ALL WALLS USING DUTCH LAP SIDING.
11. ALL FLOOR JOISTS ARE TO BE PRESSURE TREATED SYP #2, OR BETTER.
12. ALL UN-TREATED WOOD FRAMING IS TO BE SPF #2 OR BETTER.
13. ALL EXTERIOR NAILS ARE TO BE ZINC COATED.
14. ALL FLOOR DECKING IS TO BE 5/8" OR 3/4" PLYWOOD OR ENGINEERED FLOORING.
15. ALL SKIDS ARE TO BE 4x6 PRESSURE TREATED, RATED FOR GROUND CONTACT.
16. SECTIONS AND DETAILS SHOWN ARE INTENDED TO BE TYPICAL AND SHALL APPLY AT ALL SIMILAR LOCATIONS, UNLESS NOTED OTHERWISE.

ITEMS BY OTHERS:

THE FOLLOWING ITEMS ARE TO BE SUPPLIED AND INSTALLED BY OTHERS. THESE ITEMS MAY BE SUBJECT TO LOCAL JURISDICTION APPROVAL. OLD HICKORY BUILDINGS IS NOT RESPONSIBLE FOR THESE ITEMS.

1. THE COMPLETE FOUNDATION AND TIE-DOWN SYSTEM
2. RAMPS, STAIRS, AND GENERAL ACCESS
3. ELECTRICAL SERVICE HOOKUP

DESIGN CRITERIA:

1. RISK CATEGORY I
2. FLOOR LIVE LOAD: 40 PSF
3. SNOW LOADS ARE BASED ON THE FOLLOWING:
   GROUND SNOW LOAD, Pg = 60 PSF
   FLAT ROOF SNOW LOAD, Pf = 40 PSF
   EXPOSURE FACTOR, Ce = 1.0
   IMPORTANCE FACTOR, I = 0.8
   THERMAL FACTOR, Ct = 1.2
4. WIND LOADS ARE BASED ON THE FOLLOWING:
   Vult = 115 MPH (IBC FIGURE 1609.3(3))
   RISK CATEGORY I
   EXPOSURE CATEGORY B
   INTERNAL PRESSURE COEFFICIENT:
   GCpi = ±0.18
   COMPONENTS & CLADDING:
   ROOF-ZONE 1 = 10.0, -13.1 PSF
   ROOF-ZONE 2 = 10.0, -22.7 PSF
   ROOF-ZONE 3 = 10.0, -33.6 PSF
   WALL-ZONE 4 = 14.3, -15.5 PSF
   WALL-ZONE 5 = 14.3, -19.1 PSF

NOTE: C&C WIND PRESSURES SHOWN ARE FOR A 10 SQUARE FOOT EFFECTIVE AREA (Ae) AND MAY BE REDUCED FOR LARGER AREAS AS ALLOWED BY CODE.

PIERS (IF REQUIRED):

1. PIERS ARE NOT REQUIRED WHEN THE SKIDS CAN BE SUPPORTED ON FIRM, LEVEL GROUND. PIERS ALONG INTERIOR SKIDS SHALL BE ORIENTED WITH THE LONG SIDE PERPENDICULAR TO THE SKID. PIERS ALONG THE OUTSIDE SKIDS OF BUILDINGS WITH 4 SKIDS ARE PERMITTED TO BE ORIENTED WITH THE LONG SIDE PARALLEL TO THE SKID PROVIDED THAT THE PIERS ALONG THE INTERIOR SKID ARE ORIENTED PERPENDICULAR TO THE SKID.
2. PIERS SHALL TYPICALLY BE 8"x8"x16" OPEN CELL OR SOLID CONCRETE BLOCKS, DRY STACKED TO A MAXIMUM HEIGHT OF 36". THE BLOCK IN CONTACT WITH THE GROUND AT EACH PIER SHALL BE A 4"x8"x16" SOLID BLOCK. OPEN CELL BLOCKS AND 2" THICK SOLID BLOCKS ARE NOT TO BE USED AS THE BASE OF ANY PIERS. OPEN CELL BLOCKS ARE TO BE PLACED ON TOP OF SOLID BLOCKS AS NEEDED WITH THE OPEN CELLS RUNNING VERTICALLY AND MUST NOT BE PLACED ON THEIR SIDE.

   CORNER PIERS OVER 20" TALL SHALL BE DOUBLE STACKED CONCRETE BLOCKS. TIE DOUBLE STACKED BLOCKS BY ALTERNATING THE DIRECTION OF BLOCKS ON EACH ROW.
3. OLD HICKORY BUILDINGS IS NOT RESPONSIBLE FOR THE PREPARATION OF THE PROPOSED SITE OR DETERMINATION OF THE SITE'S SUITABILITY TO SUPPORT THE PROPOSED STRUCTURE. IT IS THE PROPERTY OWNER'S RESPONSIBILITY TO DETERMINE IF SITE CONDITIONS ARE SUITABLE TO SUPPORT THE STRUCTURE.
4. PIERS SHOWN ON SHEET S-1 ARE CONCEPTUAL AND MAY NOT REFLECT ACTUAL CONDITIONS. THE PIER LAYOUT MAY BE ADJUSTED AS NEEDED BASED ON SITE CONDITIONS, PROVIDED THAT THE MAXIMUM SPACING SHOWN IS NOT EXCEEDED.

COMMONWEALTH OF MASSACHUSETTS
KEVIN L. NOLAN
STRUCTURAL No.47751
REGISTERED PROFESSIONAL ENGINEER

6-1-22

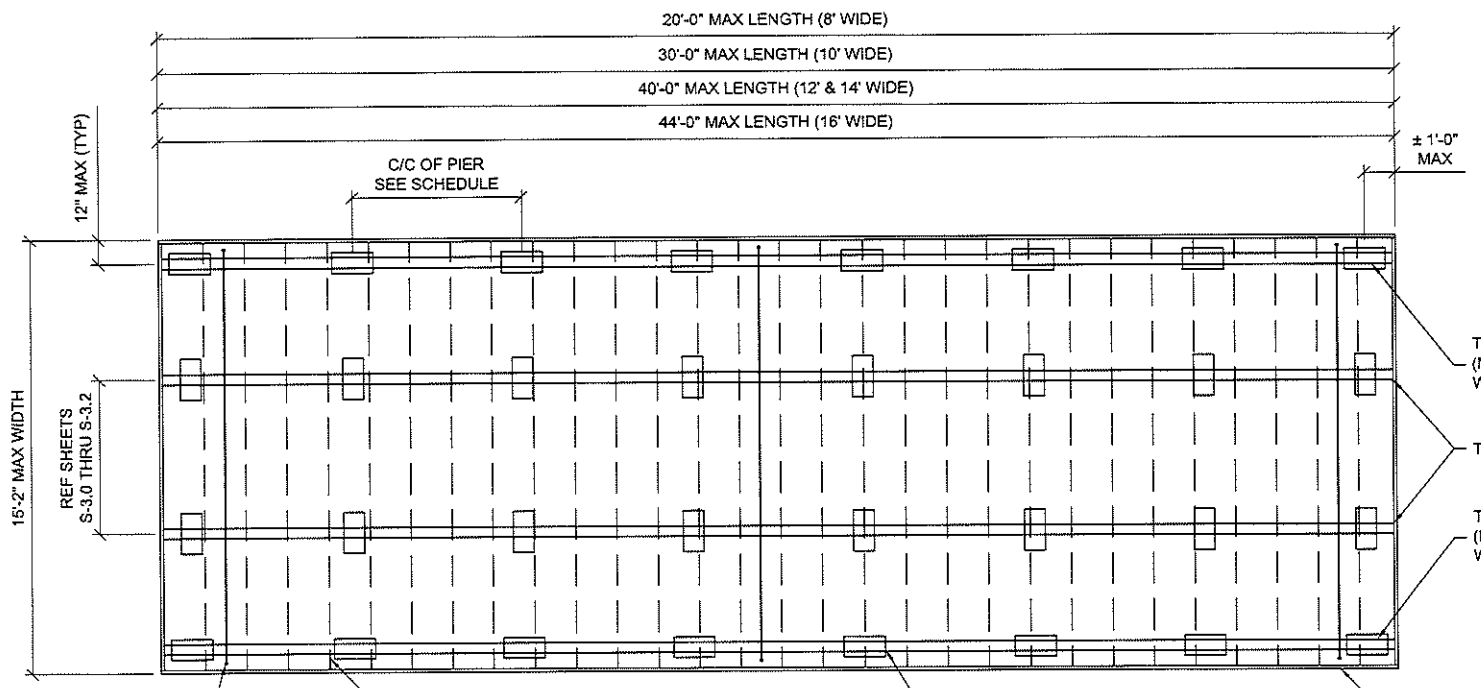
UTILITY SHED--MASSACHUSETTS--SNOW=60PSF--IBC 2015

OLD HICKORY BUILDINGS

PROJECT NO:	
DATE:	06-01-2022
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER
S-0
SCALE: NONE

PIER SPACING SCHEDULE	
BLDG WIDTH	MAX SPACING
UP TO 14'-0"	6'-0"
16'-0"	5'-0"



BUILDING TIE-DOWN TO BE INSTALLED BY THE CUSTOMER. REFER TO NOTES ON S-0. THE QUANTITY OF TIE-DOWNS SHOWN ON THIS PLAN ARE CONCEPTUAL AND MAY NOT REFLECT THE ACTUAL REQUIRED QUANTITY. SEE THE SCHEDULE ON SHEET S-2 FOR THE REQUIRED TIE-DOWN QUANTITY AND LOAD RATING BASED ON THE BUILDING LENGTH (TYP)

FLOOR FRAMING PLAN

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6-1-22

UTILITY SHED--MASSACHUSETTS--SNOW=60PSF--IBC 2015

OLD HICKORY — BUILDINGS —

PROJECT NO:	
DATE:	06-01-2022
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER

S-1

SCALE: NOT TO SCALE

UPLIFT ANCHORAGE SCHEDULE

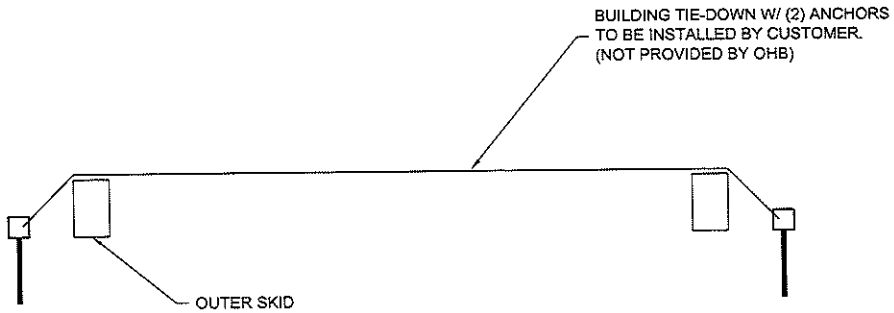
BLDG LENGTH	8' WIDE BLDGS		10' WIDE BLDGS		12' WIDE BLDGS		14' WIDE BLDGS		16' WIDE BLDGS	
	NUMBER OF TIE-DOWNS	REQ'D ANCHOR CAPACITY	NUMBER OF TIE-DOWNS	REQ'D ANCHOR CAPACITY	NUMBER OF TIE-DOWNS	REQ'D ANCHOR CAPACITY	NUMBER OF TIE-DOWNS	REQ'D ANCHOR CAPACITY	NUMBER OF TIE-DOWNS	REQ'D ANCHOR CAPACITY
8'-0"	2	350#	-	-	-	-	-	-	-	-
10'-0"	2	400#	2	350#	-	-	-	-	-	-
12'-0"	2	450#	2	450#	2	350#	-	-	-	-
14'-0"	2	550#	2	500#	2	400#	2	350#	-	-
16'-0"	3	400#	3	400#	2	450#	2	400#	2	400#
18'-0"	3	450#	3	450#	2	500#	2	450#	2	450#
20'-0"	3	500#	3	500#	2	550#	2	500#	2	500#
22'-0"	-	-	3	550#	3	450#	2	550#	2	550#
24'-0"	-	-	4	450#	3	450#	3	400#	3	400#
26'-0"	-	-	4	450#	3	500#	3	450#	3	450#
28'-0"	-	-	4	500#	3	550#	3	500#	3	500#
30'-0"	-	-	4	550#	4	450#	3	500#	3	500#
32'-0"	-	-	-	-	4	450#	3	550#	3	550#
34'-0"	-	-	-	-	4	500#	4	450#	4	450#
36'-0"	-	-	-	-	4	500#	4	450#	4	450#
38'-0"	-	-	-	-	4	550#	4	500#	4	500#
40'-0"	-	-	-	-	4	550#	4	500#	4	500#
42'-0"	-	-	-	-	-	-	-	-	4	550#
44'-0"	-	-	-	-	-	-	-	-	4	550#

NOTES:

1) TIE-DOWNS AND ANCHORS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER. OLD HICKORY BUILDINGS IS NOT RESPONSIBLE FOR THE TIE-DOWN SYSTEM. REFER TO NOTE SHEET S-0.

2) THE SCHEDULE INDICATES THE RECOMMENDED NUMBER OF BUILDING TIE-DOWNS TO BE INSTALLED BY THE CUSTOMER. EACH TIE-DOWN SYSTEM SHALL HAVE AN ANCHOR AT EACH END. EACH TIE-DOWN COMPONENT IS TO BE RATED FOR AT LEAST THE CAPACITY SHOWN IN THE SCHEDULE.

3) AT A MINIMUM, PROVIDE A TIE-DOWN NEAR EACH END OF THE BUILDING. REMAINING TIE-DOWNS (IF REQUIRED) SHOULD BE EVENLY SPACED ALONG THE ENTIRE LENGTH OF BUILDING.



COMMONWEALTH OF MASSACHUSETTS
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6-1-22

UTILITY SHED--MASSACHUSETTS--SNOW=60PSF--IBC 2015

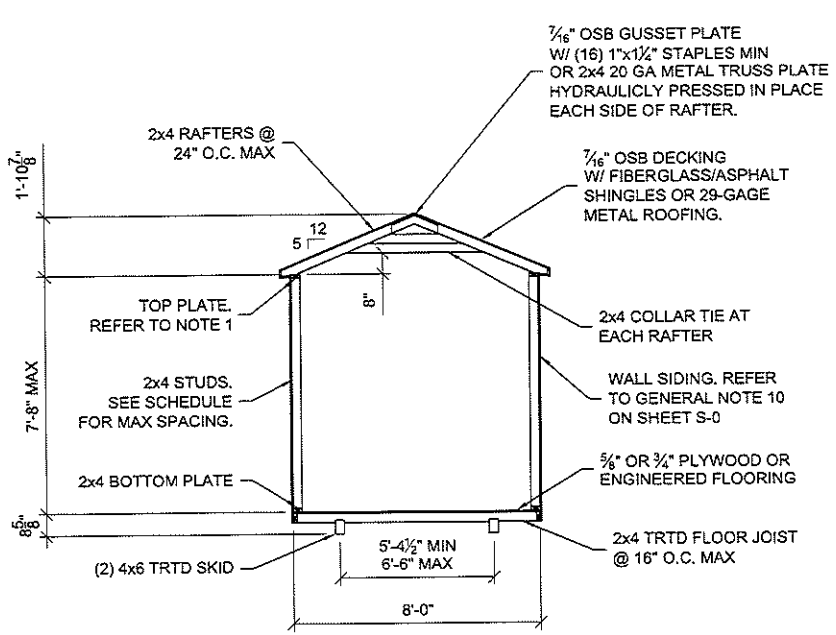
OLD HICKORY BUILDINGS

PROJECT NO:	
DATE:	06-01-2022
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

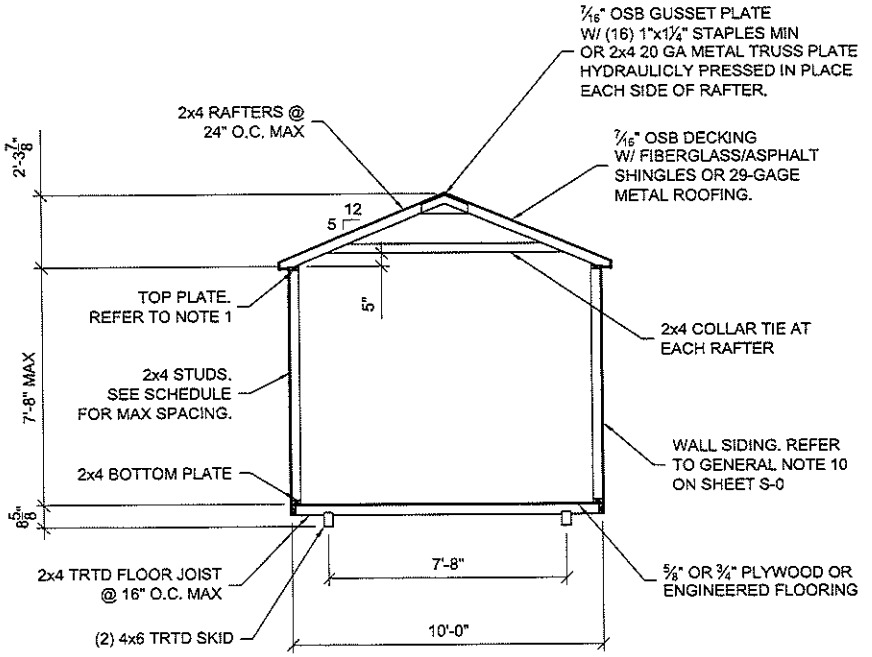
SHEET NUMBER

S-2

SCALE: NONE



8' WIDE



10' WIDE

WALL STUD SPACING SCHEDULE (REFER TO NOTE 1)	
WALL SIDING	**STUD SPACING**
5/8" T1-11 PLYWOOD	24" MAX
3/8" LP SMART PANEL	16" MAX
LP DUTCH LAP w/ OSB SHEATHING	16" MAX

NOTES: 1. PROVIDE A DOUBLE TOP PLATE ALONG THE SIDE WALLS WHEN THE RAFTER SPACING DOES NOT MATCH THE WALL STUD SPACING.
2. ACTUAL SKID SPACING MAY VARY PROVIDED THAT THE CENTER TO CENTER SPACING IS WITHIN THE MAX/MIN SPACING STATED.
3. 2x6 FRAMING MAY BE SUBSTITUTED FOR THE 2x4 FRAMING SHOWN. THE SPACING OF THE 2x6 FRAMING SHALL BE AS SHOWN FOR THE 2x4.

BUILDING SECTIONS

COMMONWEALTH OF MASSACHUSETTS
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6-1-22

UTILITY SHED--MASSACHUSETTS--SNOW=60PSF--IBC 2015

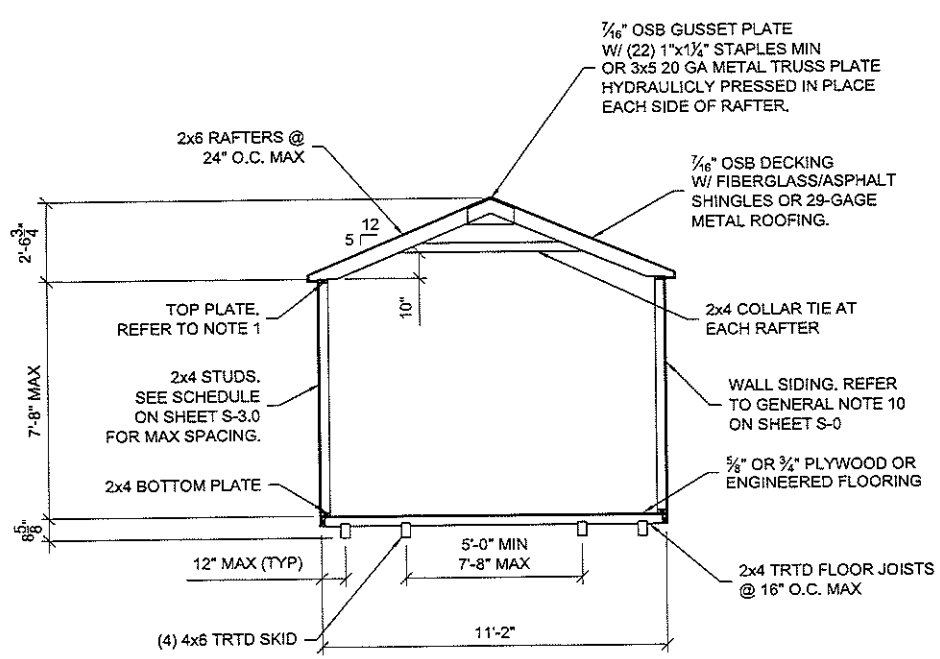
OLD HICKORY BUILDINGS

PROJECT NO:	
DATE:	06-01-2022
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

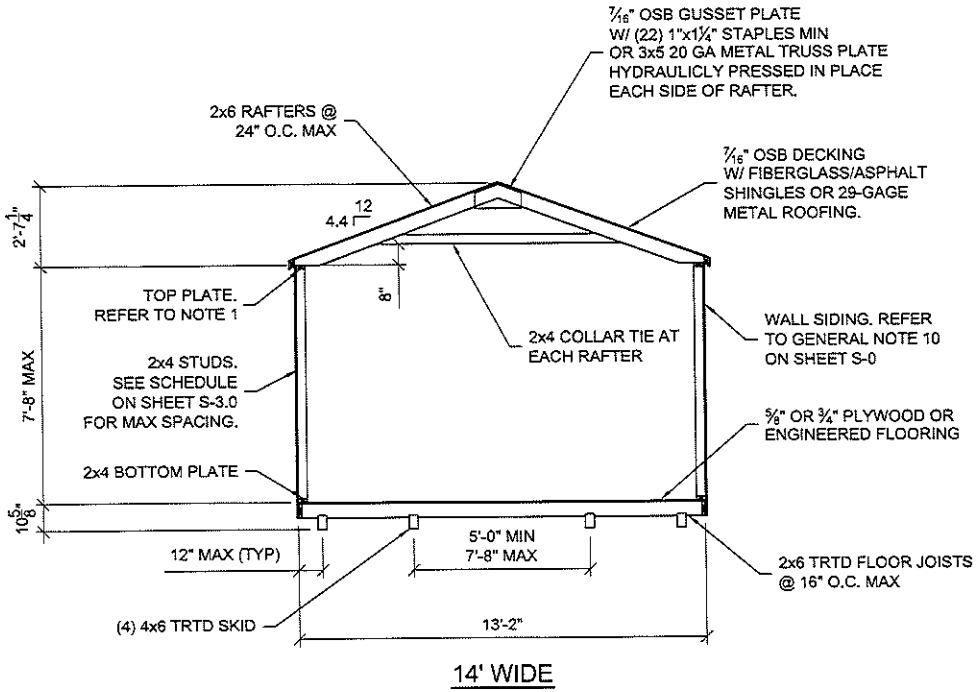
SHEET NUMBER

S-3.0

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



12' WIDE



14' WIDE

NOTES: 1. PROVIDE A DOUBLE TOP PLATE ALONG THE SIDE WALLS WHEN THE RAFTER SPACING DOES NOT MATCH THE WALL STUD SPACING.
2. ACTUAL SKID SPACING MAY VARY PROVIDED THAT THE CENTER TO CENTER SPACING IS WITHIN THE MAX/MIN SPACING STATED.
3. 2x6 FRAMING MAY BE SUBSTITUTED FOR THE 2x4 FRAMING SHOWN. THE SPACING OF THE 2x6 FRAMING SHALL BE AS SHOWN FOR THE 2x4.

BUILDING SECTIONS

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UTILITY SHED--MASSACHUSETTS--SNOW=60PSF--IBC 2015

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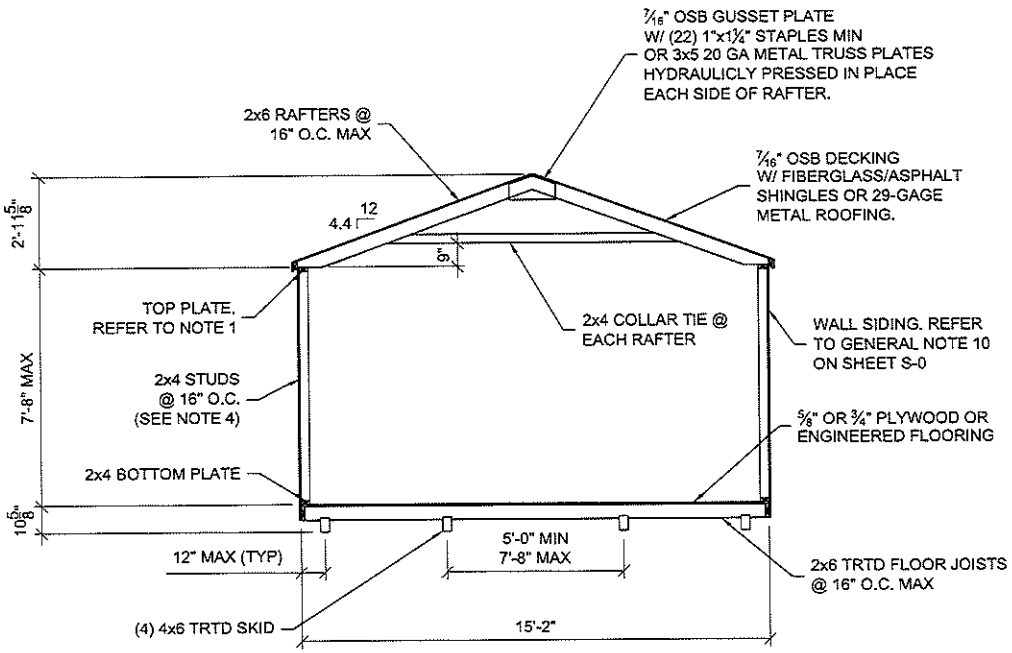
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER

S-3.1

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



16' WIDE

NOTES: 1. PROVIDE A DOUBLE TOP PLATE ALONG THE SIDE WALLS WHEN THE RAFTER SPACING DOES NOT MATCH THE WALL STUD SPACING.
2. ACTUAL SKID SPACING MAY VARY PROVIDED THAT THE CENTER TO CENTER SPACING IS WITHIN THE MAX/MIN SPACING STATED.
3. 2x6 FRAMING MAY BE SUBSTITUTED FOR THE 2x4 FRAMING SHOWN. THE SPACING OF THE 2x6 FRAMING SHALL BE AS SHOWN FOR THE 2x4.
4. WALL STUDS ARE PERMITTED TO BE SPACED AT 24" O.C. FOR 5/8" T1-11 SIDING PROVIDED A DOUBLE TOP PLATE IS USED ALONG THE SIDE WALLS.

BUILDING SECTION

COMMONWEALTH OF MASSACHUSETTS
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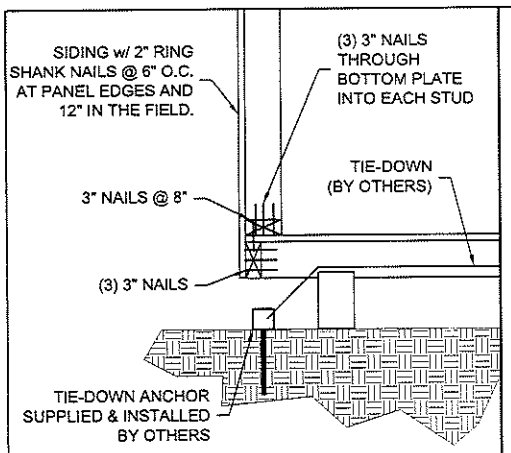
6-1-22

UTILITY SHED--MASSACHUSETTS--SNOW=60PSF--IBC 2015

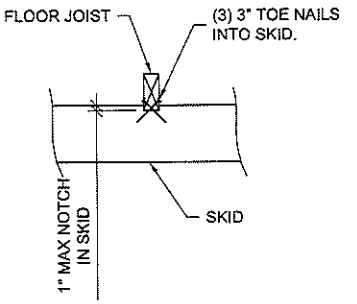
OLD HICKORY — BUILDINGS —

PROJECT NO:	
DATE:	06-01-2022
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

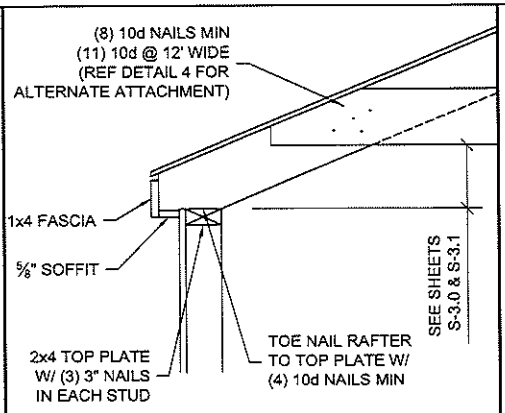
SHEET NUMBER
S-3.2
SCALE: 1/4" = 1'-0"



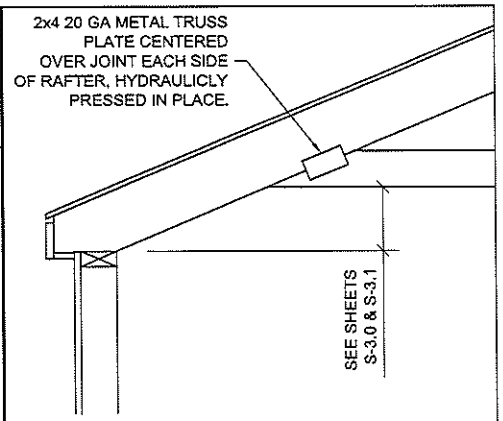
1-TYPICAL DETAIL



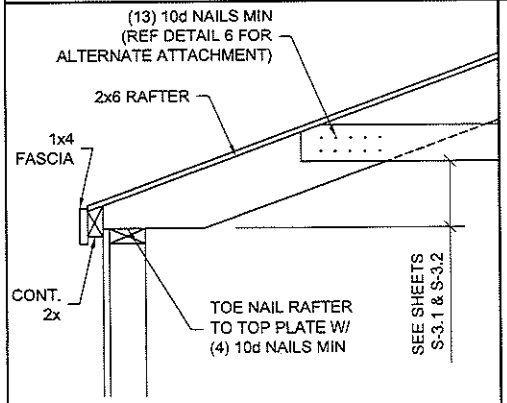
2-FLOOR JST TO SKID DETAIL



3- EAVE DETAIL (UP TO 12' WIDE BLDG)

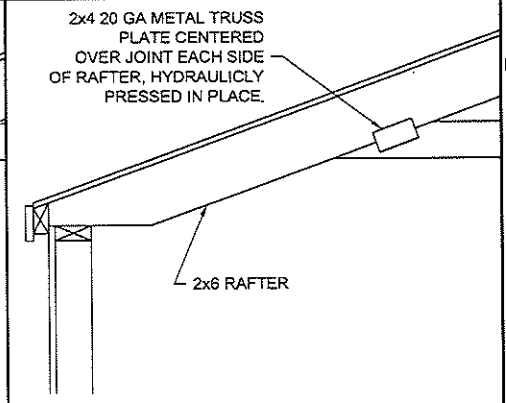


4- ALTERNATE COLLAR TIE DETAIL



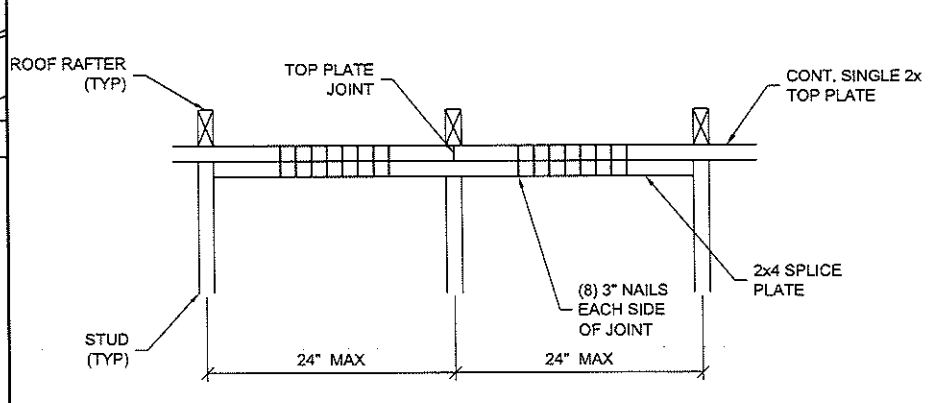
NOTE: REFER TO DETAIL 3 FOR INFO NOT SHOWN

5- EAVE DETAIL (14' & 16' WIDE BLDG)

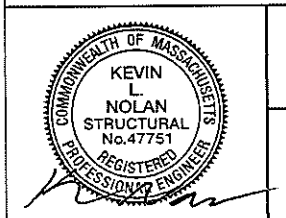


NOTE: REFER TO DETAIL 5 FOR INFO NOT SHOWN

6- ALTERNATE COLLAR TIE DETAIL



7- WALL TOP PLATE SPLICE DETAIL



6-1-22

UTILITY SHED--MASSACHUSETTS--SNOW=60PSF--IBC 2015

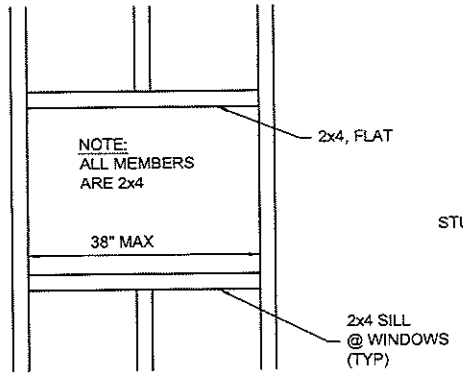
OLD HICKORY BUILDINGS

PROJECT NO:	
DATE:	06-01-2022
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

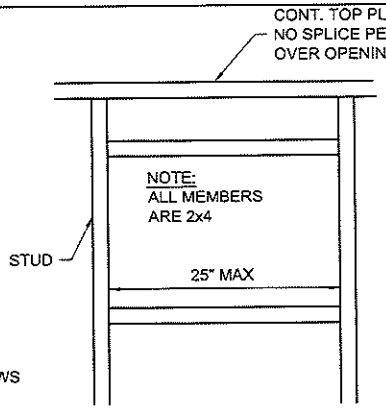
SHEET NUMBER

S-4.0

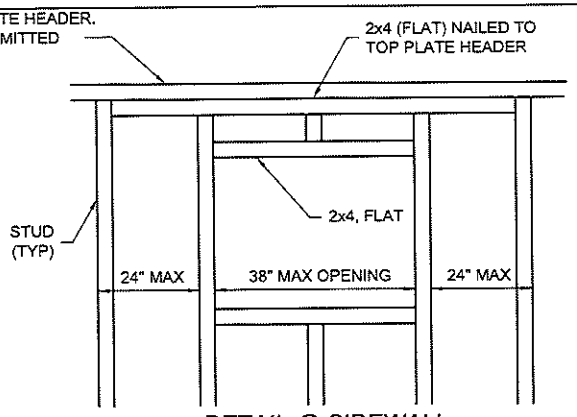
SCALE: 1"=1'-0



DETAIL @ ENDWALL

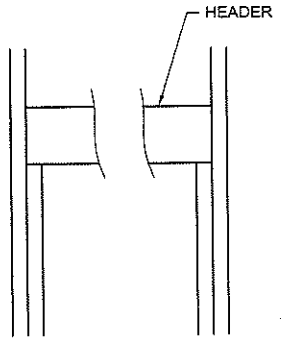


DETAIL @ SIDEWALL

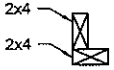


DETAIL @ SIDEWALL

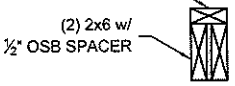
1-TYP WINDOW/DOOR FRAMING



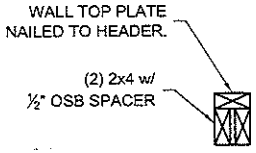
NOTE: PROVIDE A JACK STUD UNDER EACH END OF LOAD BEARING HEADERS. NOT REQUIRED AT END WALLS.



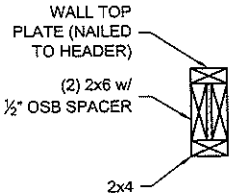
ENDWALL HEADER FOR OPENINGS UP TO 9'-0". SIDEWALL HEADER FOR OPENINGS UP TO 4'-0".



SIDEWALL HEADER FOR OPENINGS UP TO 9'-0". (BUILDINGS UP TO 14' WIDE)



SIDEWALL HEADER FOR OPENINGS UP TO 6'-0".



SIDEWALL HEADER FOR OPENINGS UP TO 9'-0". (16' WIDE BUILDINGS)

2-HEADER SCHEDULE

COMMONWEALTH OF MASSACHUSETTS
KEVIN L. NOLAN
STRUCTURAL No.47751
REGISTERED PROFESSIONAL ENGINEER

6-1-22

UTILITY SHED--MASSACHUSETTS--SNOW=60PSF--IBC 2015

OLD HICKORY — BUILDINGS —

PROJECT NO:	
DATE:	06-01-2022
DRAWN BY:	KLN
CHECKED BY:	KLN
REVISION:	

SHEET NUMBER

S-4.1

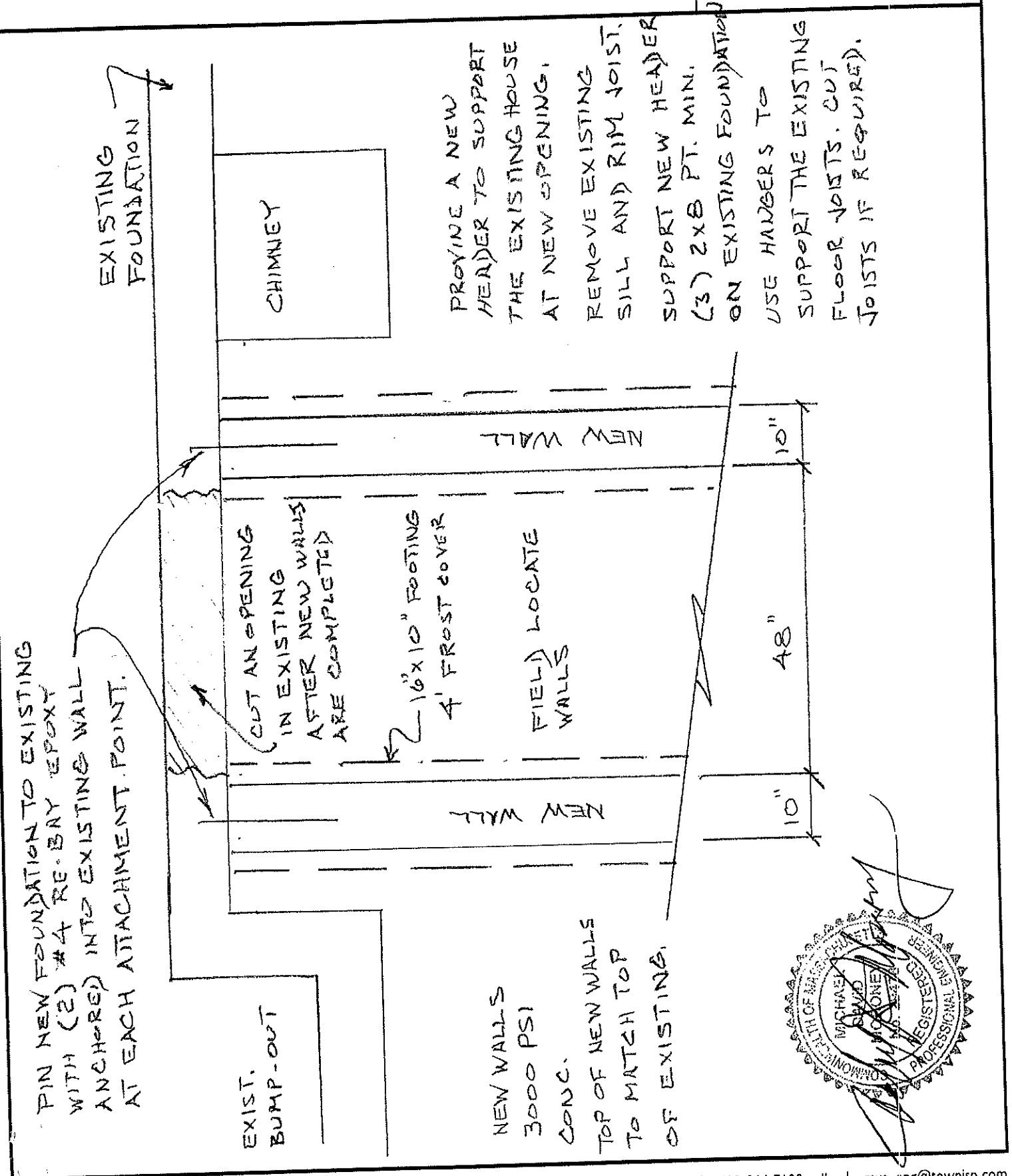
SCALE: 1"=1'-0

MVA ENGINEERING company

SHEET 1 OF 2

JOB NO. 238 PAXTON ST.

DATE 2/14/23



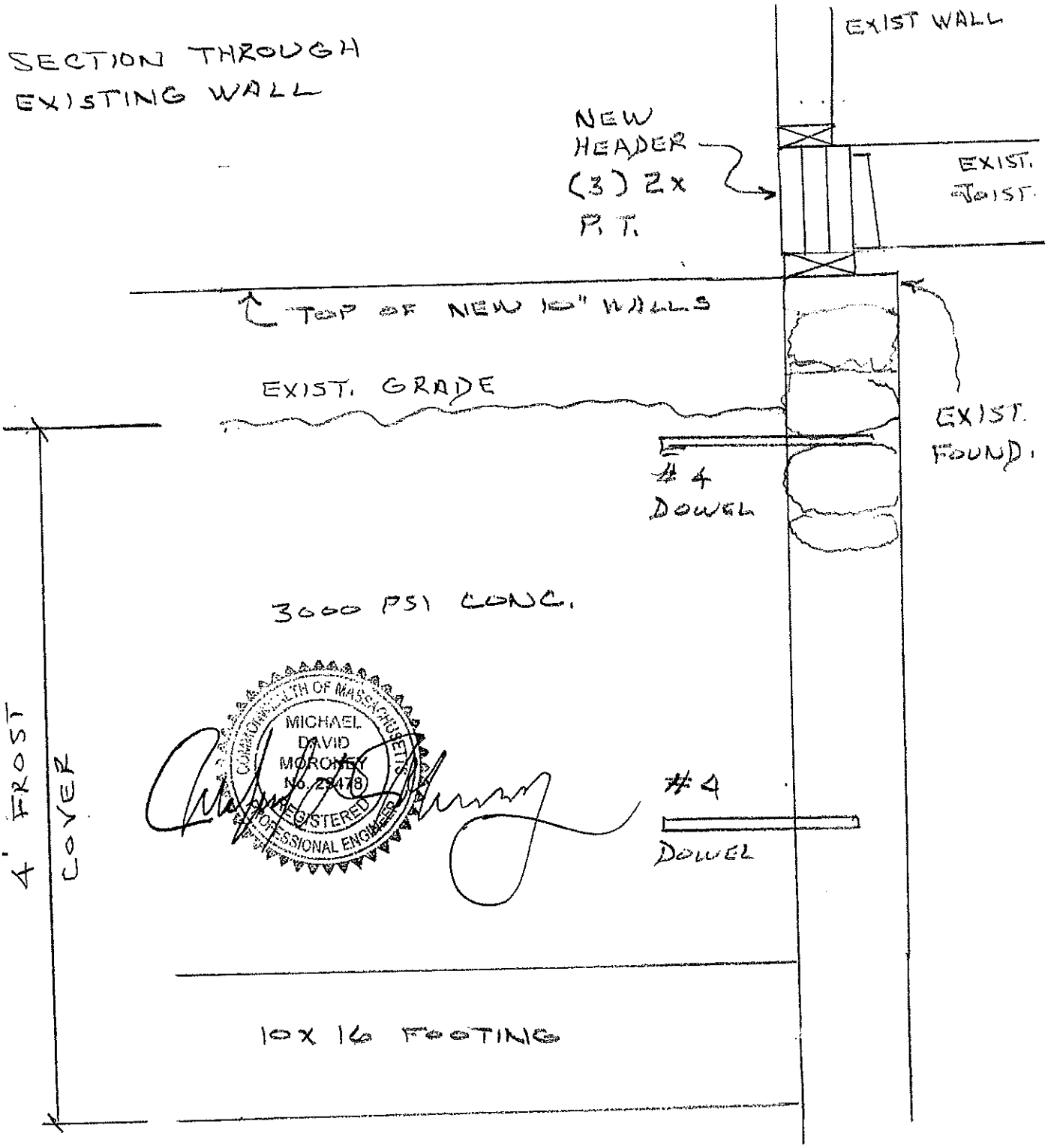
633 Main Street, Shrewsbury, MA 01545 | P.O. Box 1975, North Eastham, MA 02651 | 508-845-7800 tel | 508-864-7100 cell | mva_eng@townisp.com

MVA ENGINEERING company

SHEET 2 OF 2

JOB NO. 238 PAXTON ST

DATE 2/14/23



COMMONWEALTH OF MASSACHUSETTS
MICHAEL DAVID MORONEY
No. 29478
REGISTERED PROFESSIONAL ENGINEER

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