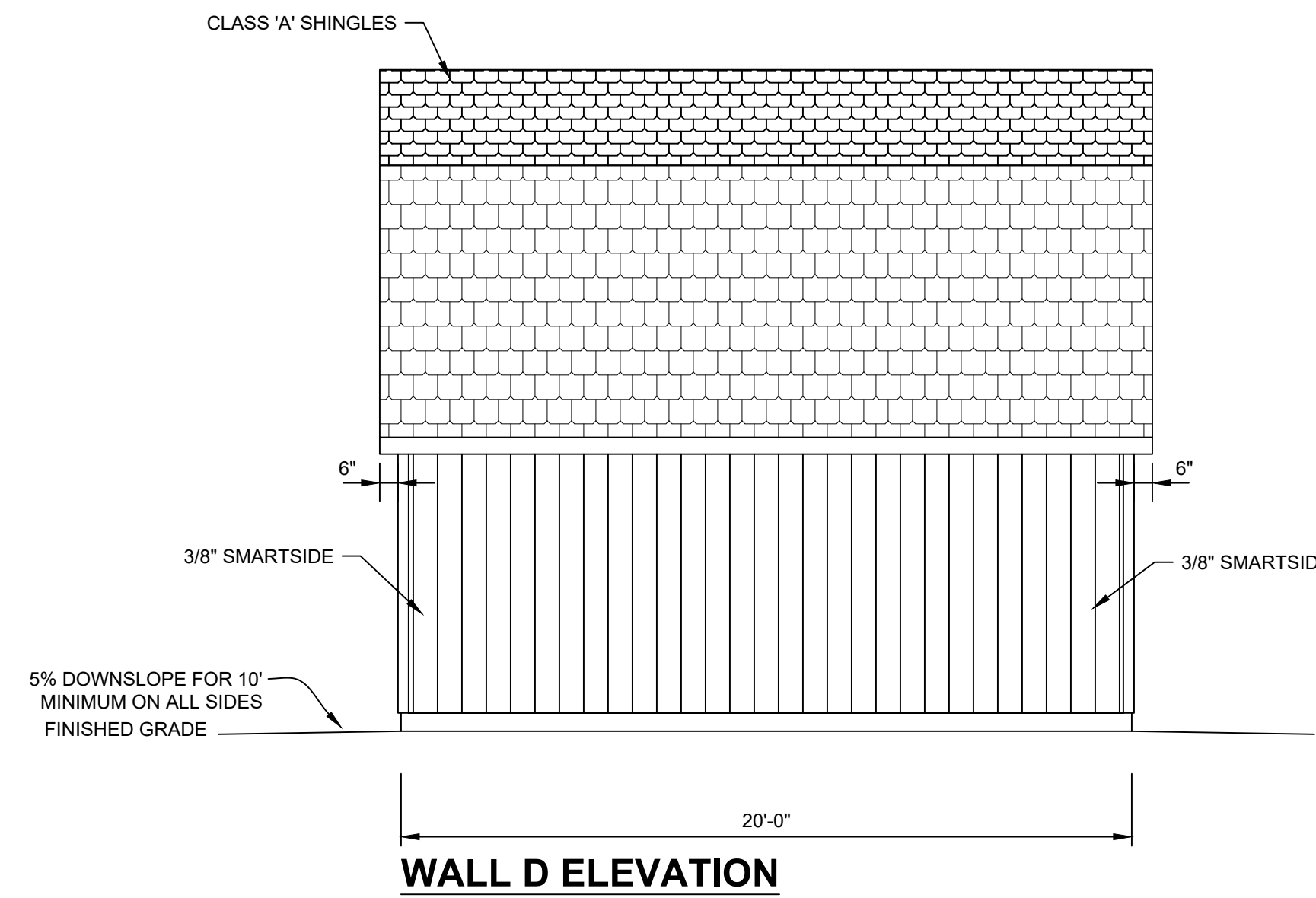
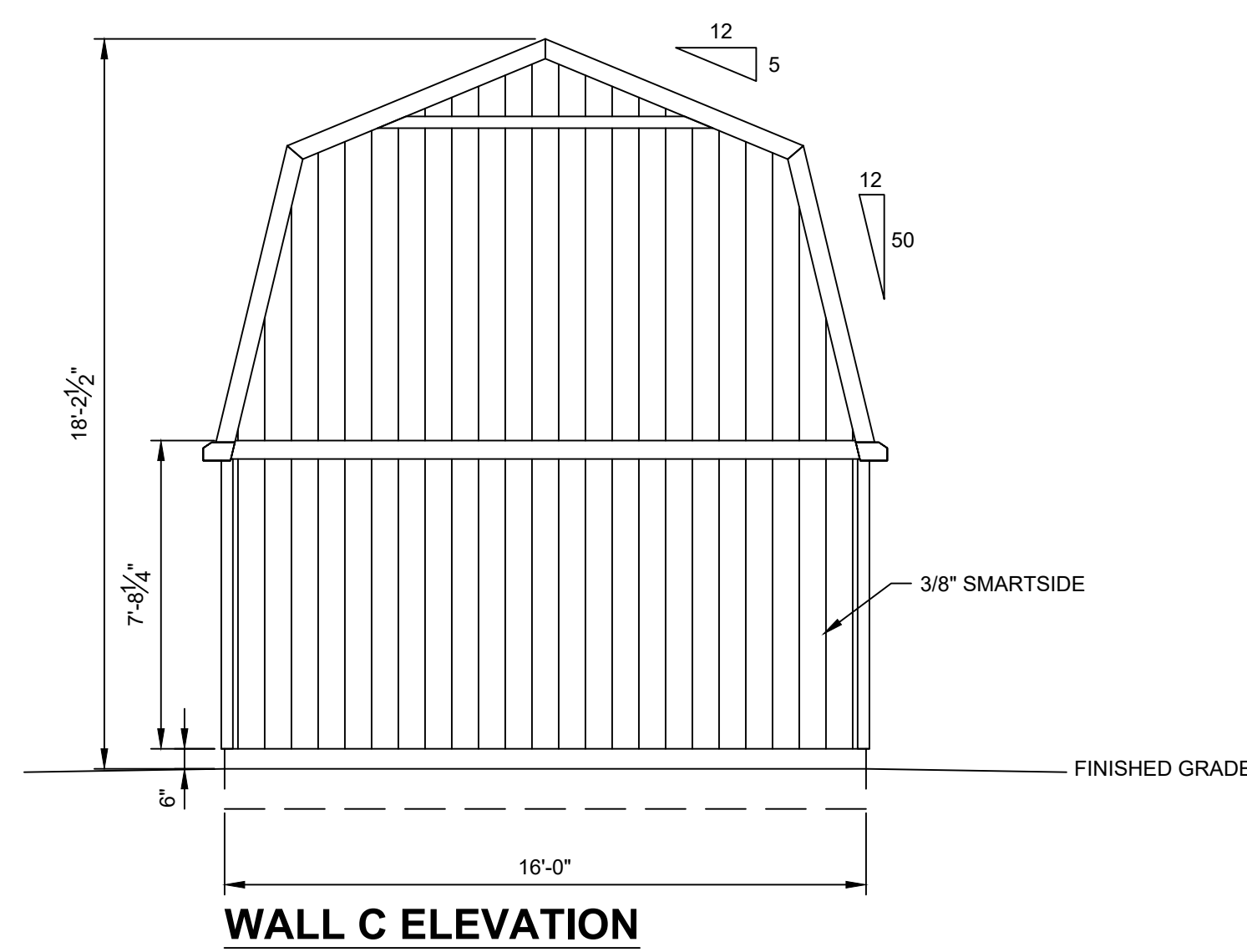
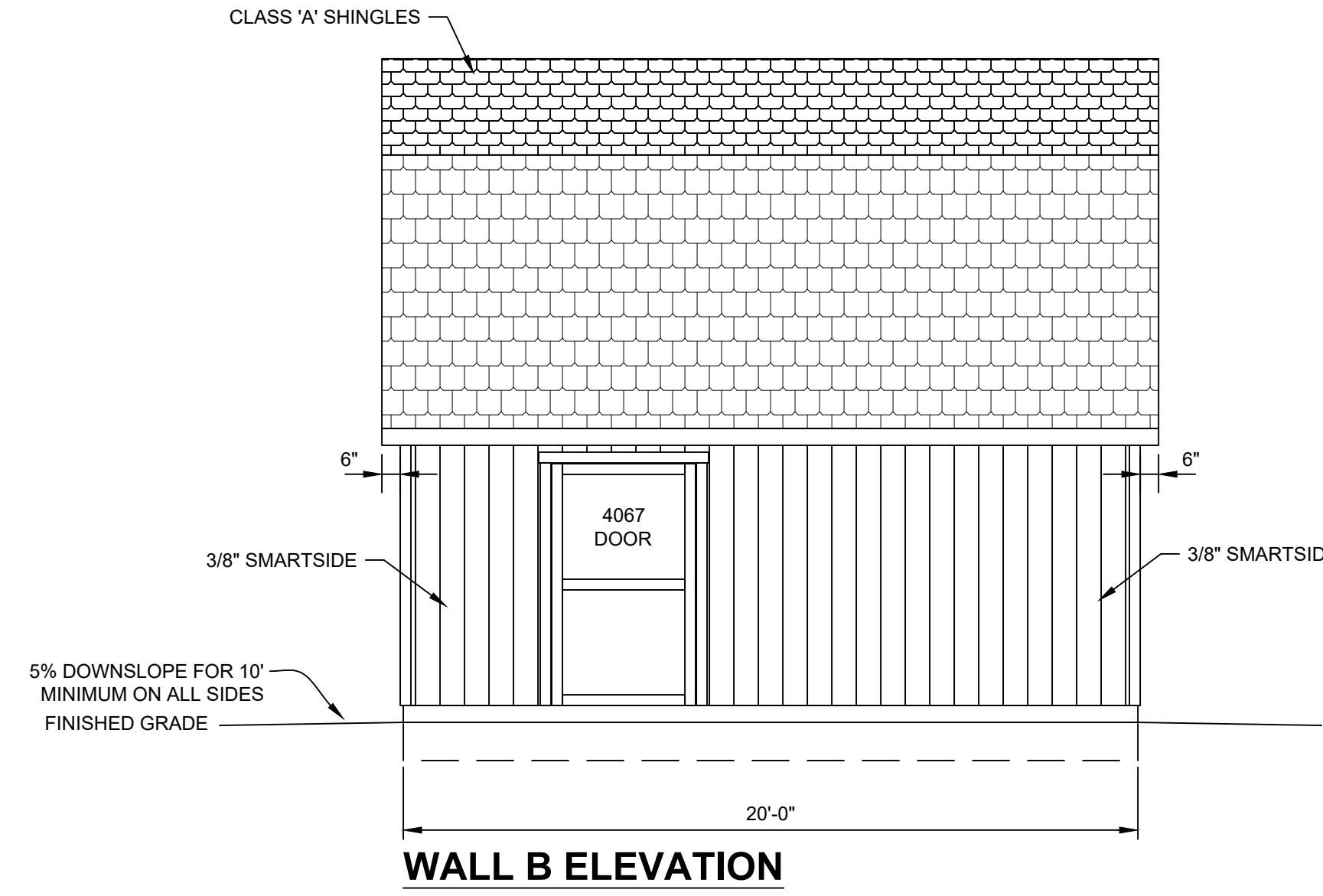
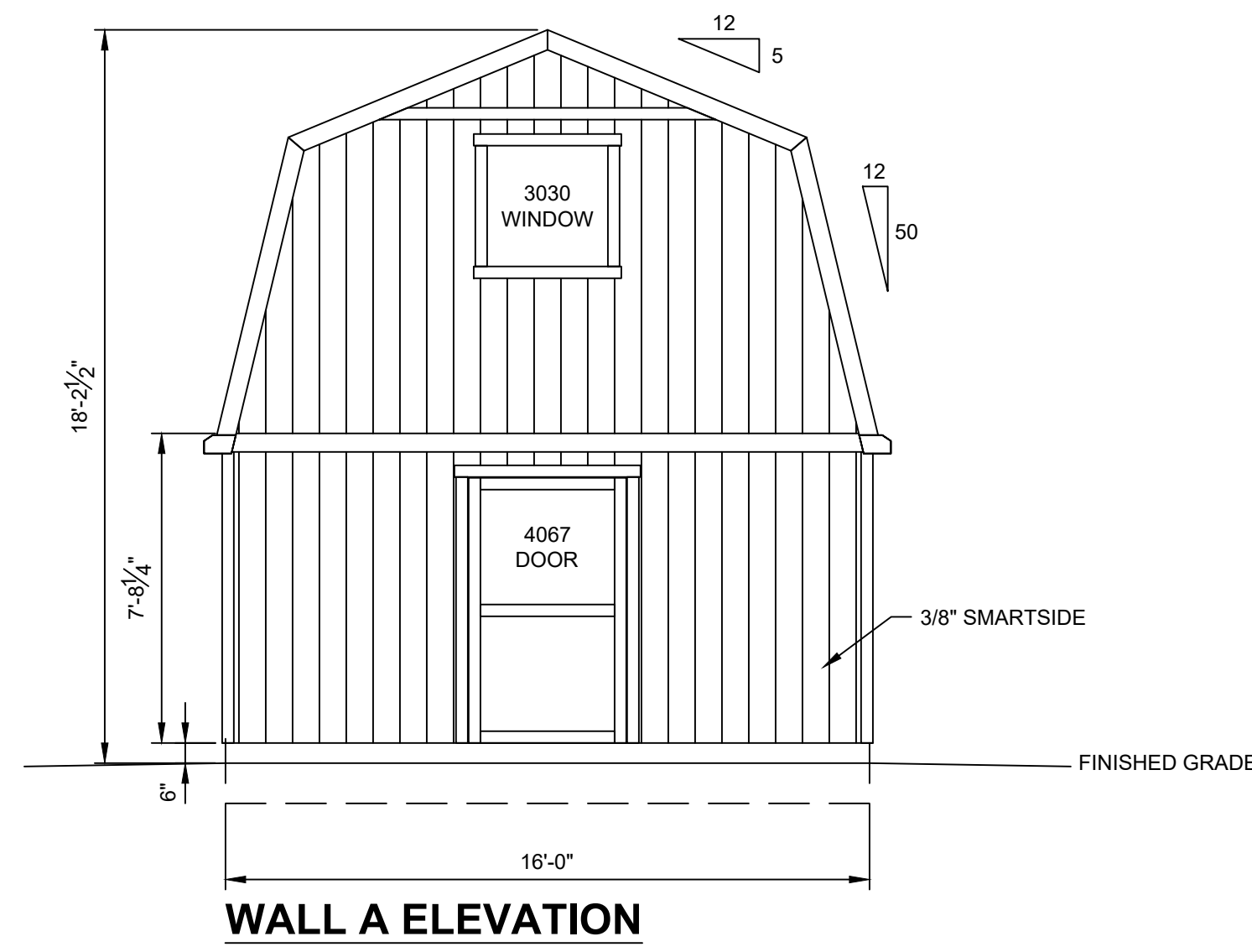


ACCESSORY BUILDING
16' X 20' = 320 SQ FT

DRAWING INDEX
S1 - PROJECT NOTES, ELEVATIONS
S2 - PLANS, SHEAR WALL SCHEDULE
S3 - SECTIONS, DETAILS

PROJECT NOTES

- DESIGN REQUIREMENTS**
- GOVERNING CODES: 2015 IRC
OCCUPANCY REQUIREMENTS: GROUP U
CONSTRUCTION TYPE: V-B
 - DESIGN SCHEDULE
 - BUILDING SIZE
WIDTH: 16'-0"
LENGTH: 20'-0"
SIDE WALL HEIGHT: 7'-8 1/4"
TOTAL HEIGHT: 18'-2 1/2"
 - BUILDING LOADS
ROOF LIVE LOAD: 35 PSF
ROOF DEAD LOAD: 10 PSF
LOFT LIVE LOAD: 40 PSF
LOFT DEAD LOAD: 10 PSF
 - DESIGN WIND
3 SECOND GUST, V₃: 130 MPH
WIND EXPOSURE: C
 - SEISMIC DESIGN CATEGORY: B
 - SITE CLASS: D
 - ROOF PITCH: 5/12; 50/12
 - ROOFING SCHEDULE
 - ROOF SHEATHING SHALL BE APA RATED 7/16" THICK OSB. STAGGER LAYOUT PER APA CONDITION 1.
 - PI #24/16 MIN UNBLOCKED.
 - SHEATHING NAILING SHALL BE PER NAILING SCHEDULE.
 - LIFETIME DIMENSIONAL ASPHALT SHINGLES (U.N.O.).
 - GAF FELT BUSTER.
 - TYPE 'D' METAL DRIP EDGE FLASHING REQUIRED ALL SIDES.
 - TRUSSES SHALL BE SPACED @ 24" OC.
 - SEE SEPARATE TRUSS SHEETS FOR TRUSS FRAMING AND MATERIALS.
 - TRUSSES MUST BE BRACED ACCORDING TO THE LATEST EDITION OF THE BUILDING COMPONENT SAFETY INFORMATION "GUIDE TO GOOD PRACTICE OF METAL PLATE CONNECTED WOOD TRUSSES" (BCSI)
 - TRUSS CONNECTION PLATES 'EAGLE METAL PLATES'.
 - THE TRUSS PLATE INSTITUTE (TPI) (NER QA 430) IS THE INSPECTION AGENCY RESPONSIBLE FOR IN-PLANT INSPECTIONS.
 - TRUSS MANUFACTURER: TUFF SHED, INC.
 - WOOD FRAMING
 - ALL WALL FRAMING MEMBERS SHALL BE HEM-FIR (HF) STUD GRADE OR BETTER.
 - STUDS SHALL BE SPACED @ 16" OC.
 - FASTEN EXTERIOR WALL SHEATHING TO FRAMING PER NAILING SCHEDULE.
 - PROVIDE SOLID BLOCKING AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS.
 - SHEAR WALL MATERIAL SHALL BE AS SPECIFIED IN SHEAR WALL SCHEDULE.
 - SHEAR WALL NAILING SHALL BE AS SPECIFIED IN SHEAR WALL SCHEDULE.
 - SOIL
 - MIN. REQUIRED SOIL TYPE SHALL BE CLAY, SANDY CLAY, SILTY CLAY, OR CLAYEY SILT (CL, ML, MH & CH). PRESCRIPTIVE ALLOWABLE SOIL BEARING PRESSURE USED IN DESIGN IS 1500 PSF AT 12" DEEP. VALUES ARE PER TABLE R401.4.1.
 - IN THE EVENT OF THE DISCOVERY OF EXPANSIVE SOILS, THE SERVICES OF A SOILS ENGINEER MAY BE REQUIRED.
 - ALL FOOTINGS SHALL BE FOUNDED ON UNDISTURBED NATURAL SOIL.
 - IN THE EVENT EXCAVATIONS REVEAL UNFAVORABLE CONDITIONS, THE SERVICES OF A SOILS ENGINEER MAY BE REQUIRED.
 - PERMIT
 - PERMIT APPLICATIONS, WHERE NO PERMIT IS ISSUED, SHALL EXPIRE PER LIMITATIONS SET BY LOCAL CODES. SECTION R105.
 - JOB CARD REQUIRED TO BE AVAILABLE FOR SIGNATURE AT JOB SITE
- GENERAL NOTES**
- GENERAL:
 - ERECTION PROCEDURES SHALL CONFORM TO OSHA STANDARDS. BUILDER SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES, TREES, UTILITIES, ETC.
 - BUILDER IS RESPONSIBLE FOR SAFETY OF BUILDING DURING CONSTRUCTION. PROVIDE ALL SHORING OR BRACING AS REQUIRED AND PER GOVERNING REGULATIONS.
 - ALL WOOD CONSTRUCTION CONNECTORS REFERENCED IN THIS DRAWING SHALL BE SIMPSON 'STRONG-TIE' OR EQUIVALENT INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - GREEN VINYL SINKER NAILS DO NOT MEET THE NAILING REQUIREMENTS OF COMMON NAILS.
 - PLYWOOD DIAPHRAGMS
15/32" CDX PLYWOOD OR 7/16" OSB.
 - MATERIAL EVALUATION REPORT IDENTIFICATION
 - TRUSS CONNECTION PLATES BY EAGLE METAL PLATES PER ICC-ES REPORT #ESR-1082.
 - SMARTSIDE SIDING BY LP CORPORATION PER ICC-ES REPORT #ESR-1301.
 - HARDIEPANEL SIDING BY JAMES HARDIE BUILDING PRODUCTS PER ICC-ES REPORT #ESR-1844.
 - HARDIEPLANK LAP SIDING BY JAMES HARDIE BUILDING PRODUCTS PER ICC-ES REPORT #ESR-2290.
 - LAMINATED VENEER LUMBER (LVL) BY WEYERHAEUSER PER ICC-ES REPORT #ESR-1387.
 - ASPHALT SHINGLES BY GAF PER ICC-ES REPORT #ESR-1475.
 - HDU PRE-DEFLECTED HOLDDOWNS BY SIMPSON STRONG-TIE PER ICC-ES REPORT #ESR-2330.
 - SSTB ANCHOR BOLTS BY SIMPSON STRONG-TIE PER ICC-ES REPORT #ESR-2611.



1/05/2021

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(303) 753-8833 EXT. 96319

PO No. EP-5020 Inv No. 1582674
Customer: BRENDA QUINONES
Description:
ACCESSORY BUILDING
16' X 20' = 320 SQ FT
Site Address:
1412 N. BEXTON HIGHWAY
CALHAN, CO 80808

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TUFF SHED
Storage Buildings & Garages
TUFF SHED, INC.
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COLORADO SPRING, CO 80905
(719) 638-8833

Drawn By: TB
Date: 12/3/20
Checked By: JR
Date: 12/21/20
Revised:
Revised:

Title:
PROJECT NOTES
ELEVATIONS
Scale: 1/4" = 1'-0"
Sheet:

S1
Sheet 1 of 3

NAILING SCHEDULE		SHEAR WALL SCHEDULE		SHEAR WALL SCHEDULE	
CHORD SPLICE NAILING: 8 - 16d NAILS EACH SIDE OF SPLICE. TRUSS BLOCKING: (4) - 16d (TOENAIL)		CALC. SHEAR LOAD (lb/ft)	ALLOW SHEAR LOAD (lb/ft)	CALC. SHEAR LOAD (lb/ft)	ALLOW SHEAR LOAD (lb/ft)
FRAMING NAILING: STUD TO TOP PLATE, 2-16d END NAIL STUD TO SILL PLATE, 2-16d END NAIL OR 4-8d TOENAIL DBL. HEADER 16d @ 16" OC ALONG EACH EDGE HEADER TO KING STUD 4-8d TOENAIL OR 4-16d END NAIL DOUBLE TOP PLATES, 16d @ 16" FACENAIL		257	320	128	186
UNLESS SPECIFIED HEREIN, ALL NAILING SHALL BE PER 2015 IRC TABLE R602.3(1).					
UPLIFT TRANSFER: PROVIDE SIMPSON H2.5A AT EACH END OF TRUSSES.					
PROVIDE 2X4 SOLID BLOCKING ON ALL UNSUPPORTED EDGES OF PLYWOOD ON SHEAR WALLS.					
UNBLOCKED ROOF DIAPHRAGM ROOF SHEATHING NAILING: BORDER: 8d COMMON @ 6" OC EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC		193	246	103	164
END WALL SHEAR TRANSFER: SHEATHING AT END WALL LAPS TOP PLATE OF WALL BELOW. PROVIDE EDGE NAILING. REFERENCE END WALL ASSEMBLY/S3 , OR BALLOON FRAME END WALLS.					
SIDING TESTED TO MEET THE REQUIREMENTS OF SECTION R703.1.1, EXCEPTION 2 OF THE 2018 IRC AND 2019 CRC. REFER TO INTERTEK LETTER REPORT NO. 104417961MID-001R1.					

WHEN PERFORATED SHEAR WALL DESIGN IS DESIGNATED, AREAS ABOVE AND BELOW OPENINGS ARE USED IN SHEAR CALCULATIONS. REFER TO ANSI/AWC SDPWS.

SIMPSON	USP EQUIVALENT
H2.5A	RT7A
SSTB16-SSTB36	STB16-STB36
H2U5	PHD2A-PHD5A
H2U8	PHD8
LUS24-LUS210	JUS24-JUS210
LS30/LS50	MP3/MP5
LSTA9-LSTA24	LSTA9-LSTA24
A24	TDL5
H1	RT15
H3	RT3A
H6	LFTA6
H8	LTW12
H10	RT16A
PA51/PA68	TA51/TA71
ABA44/ABA66	PA44E/PA66E
BC4/BC6	C44/C66
A311	TDL10
HST2	KHST2
SDS1/4X3 SCREW	WS3
A34	MP34
A35	MPA1
CS18/CS22	RS200/RS300
HTT4/HTT5	HTT16/HTT22
CMSTC16	CMSTC16

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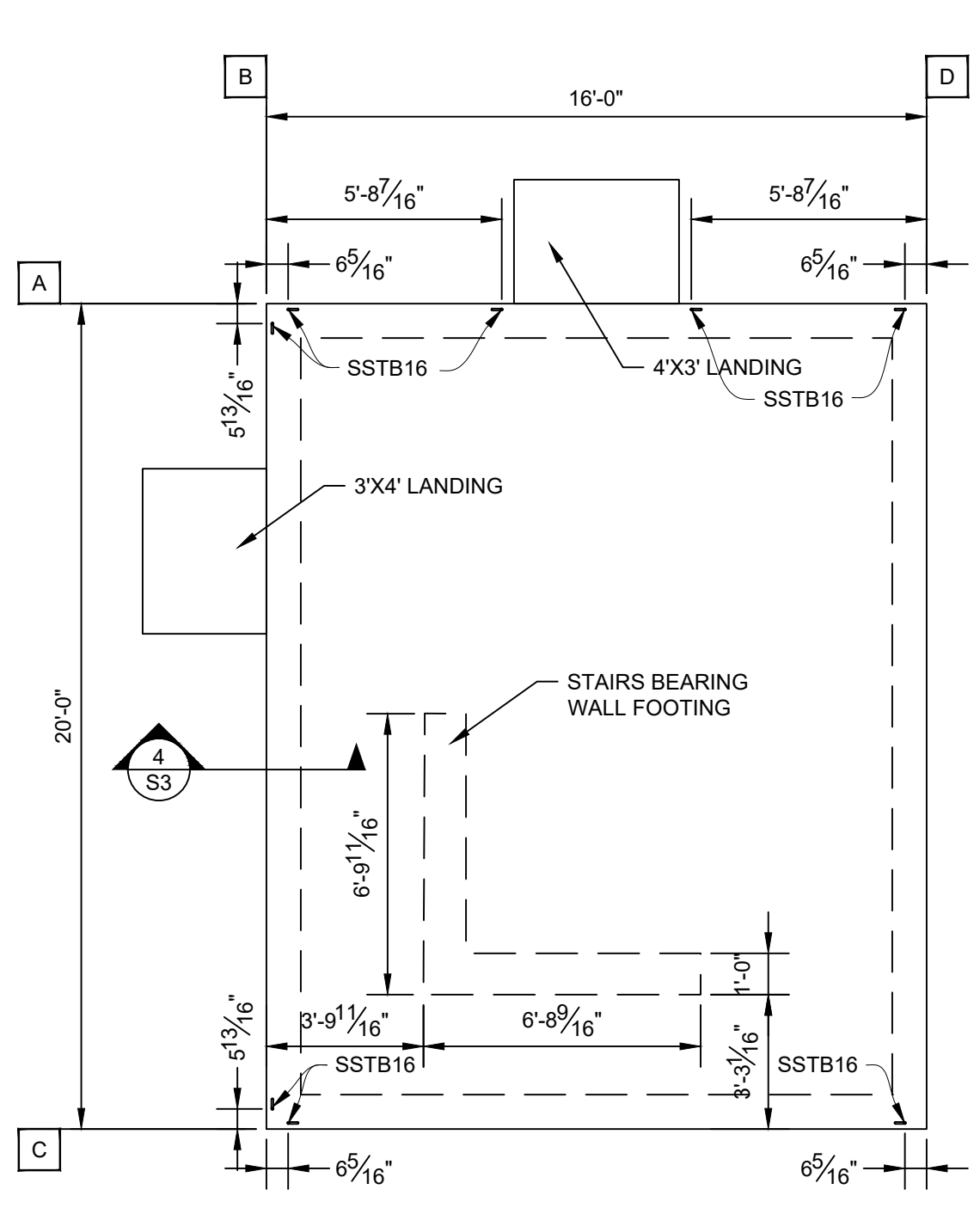
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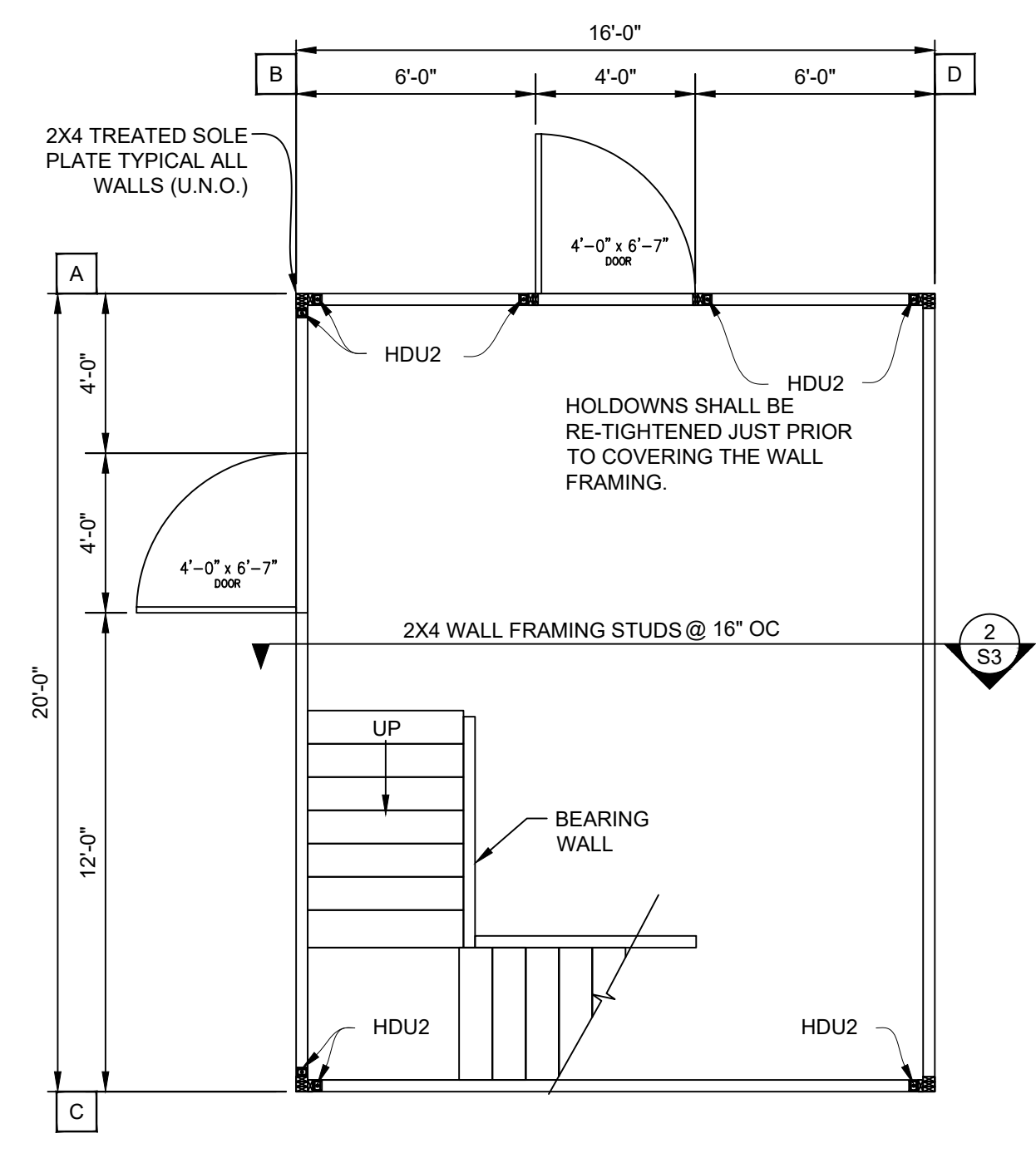
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STORE 060
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Drawn By: TB
Date: 12/3/20
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Date: 12/21/20
Revised:
Revised:
Title:
PLANS
SHEAR WALL SCHED
NAILING SCHEDULE
Scale: 1/4" = 1'-0"
Sheet:

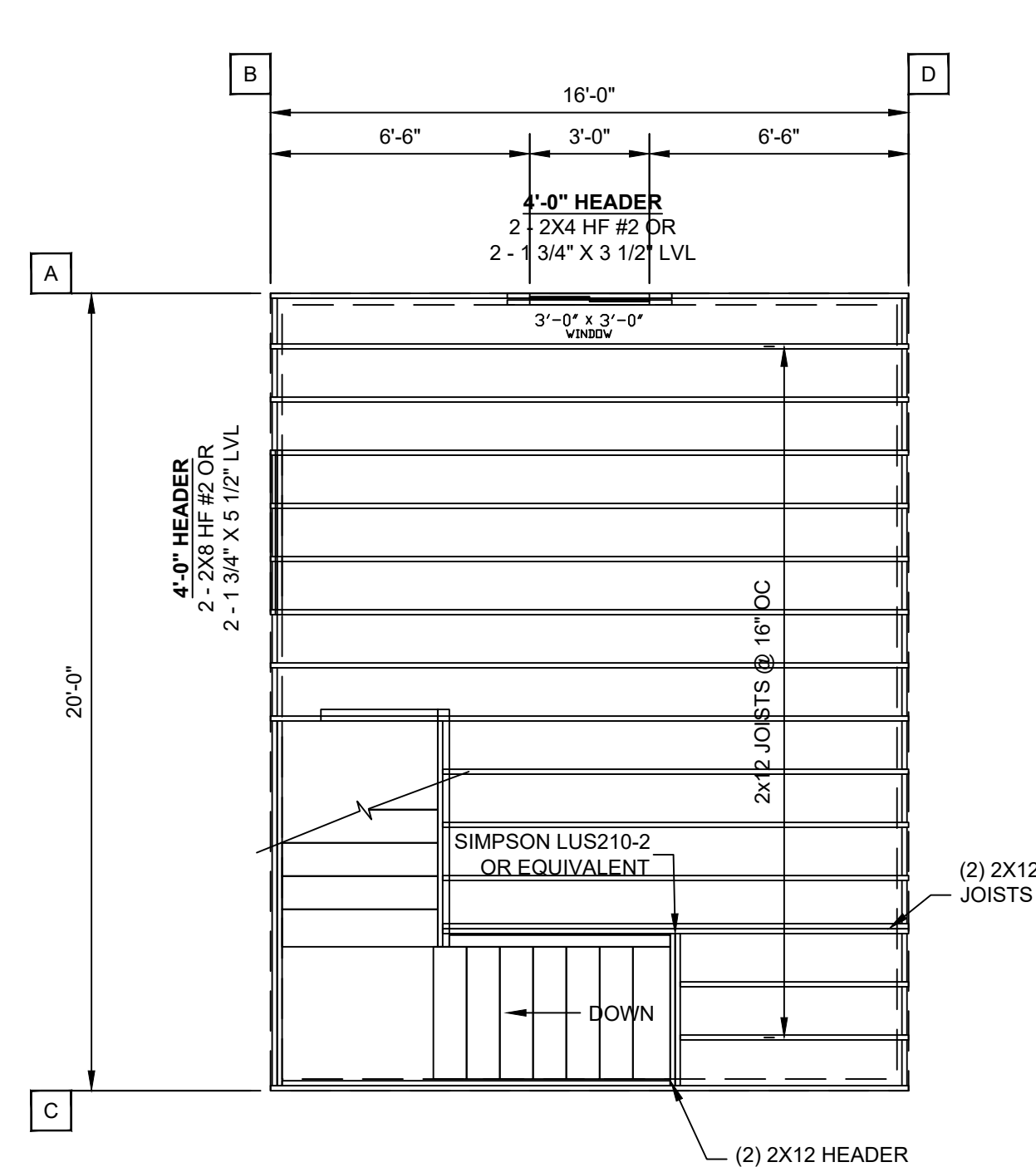
S2
Sheet 2 of 3



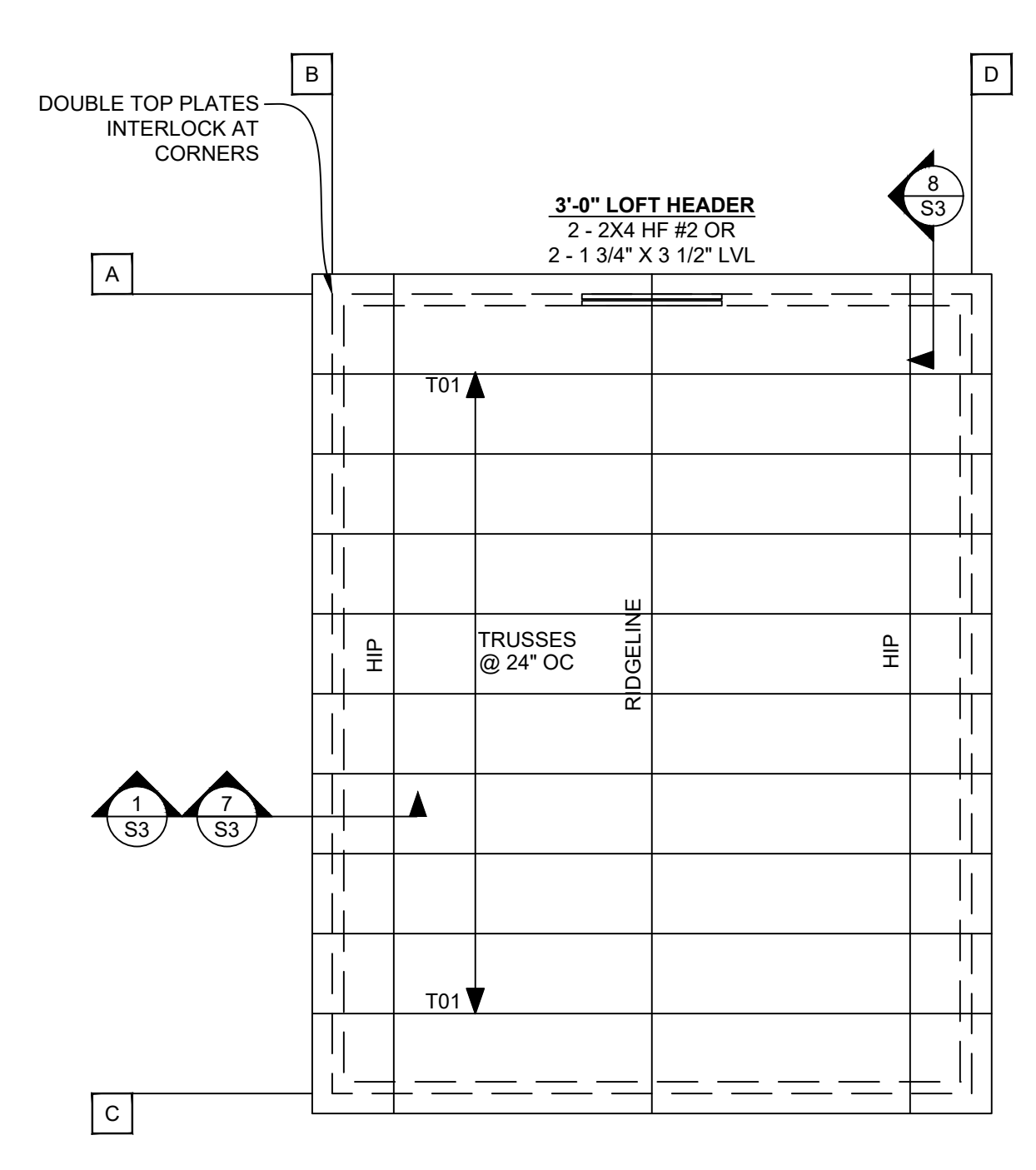
HOLD-DOWN ANCHORS SHALL BE SET AND POSITIONED IN PLACE BEFORE CALLING FOR FOUNDATION INSPECTION.



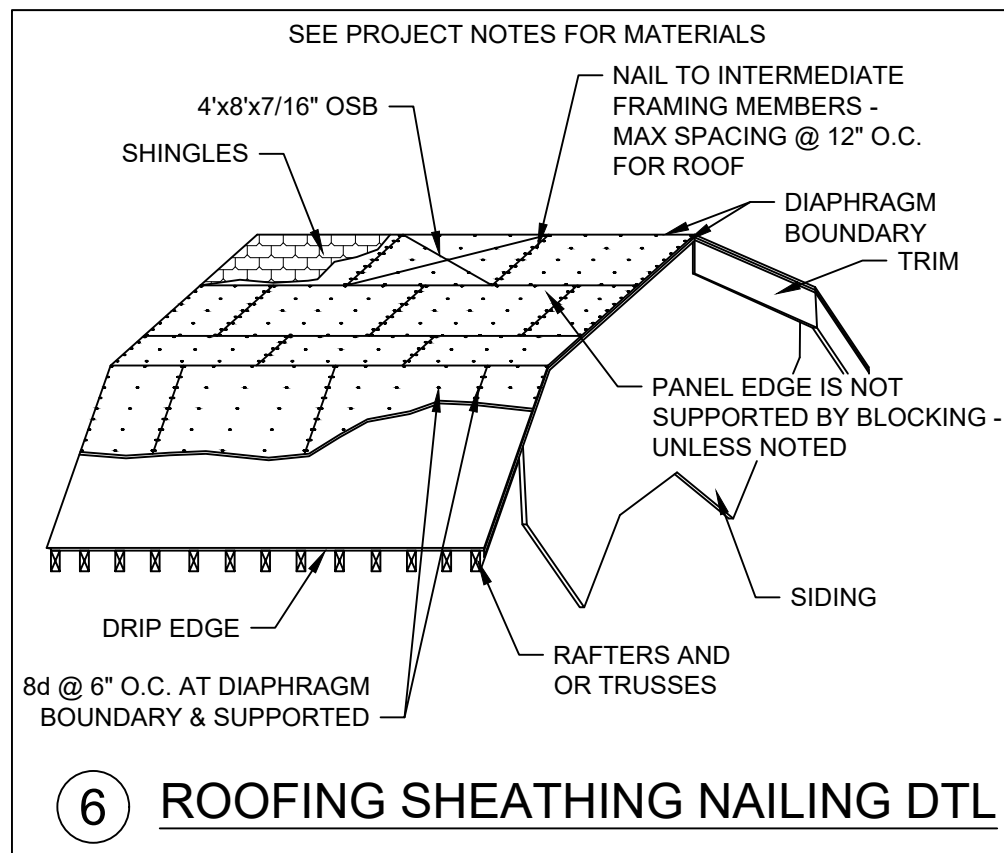
FLOOR PLAN



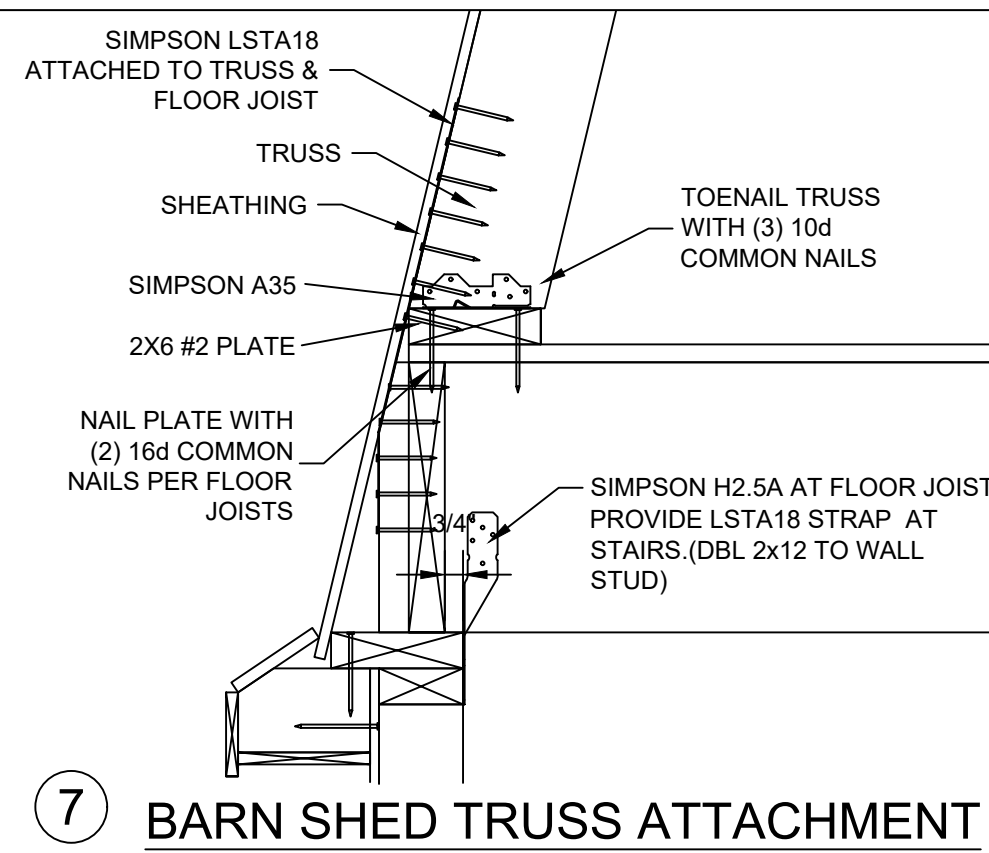
LOFT PLAN



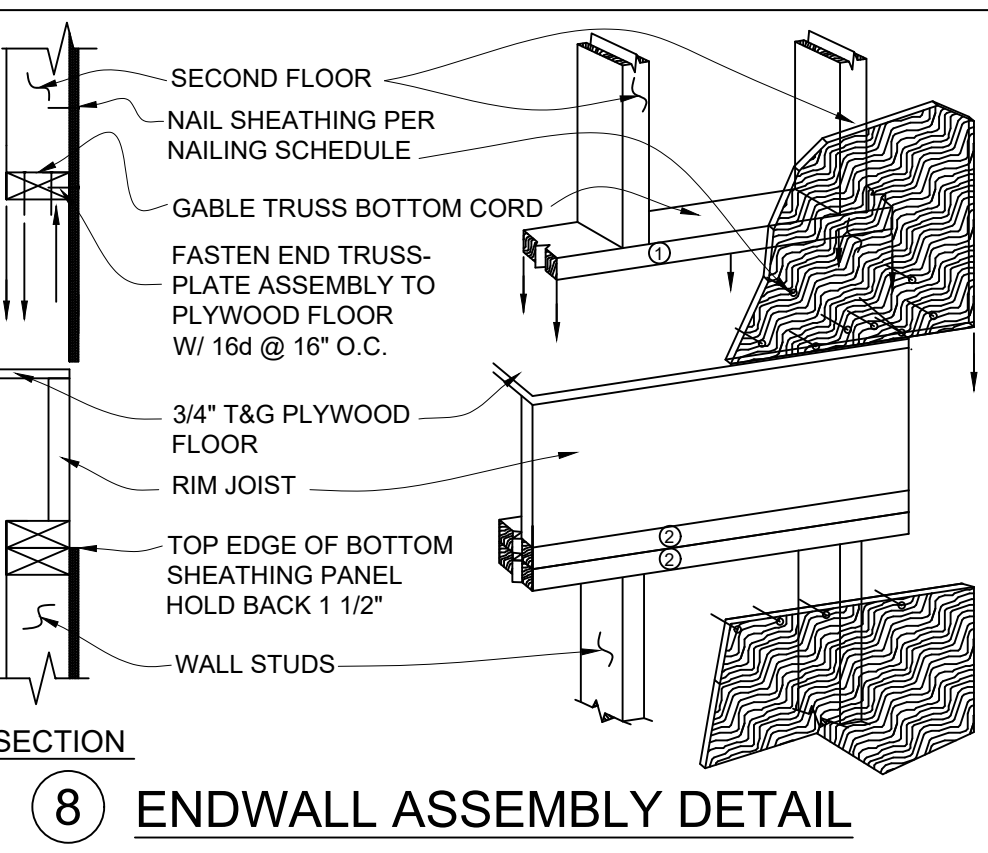
ROOF FRAMING PLAN



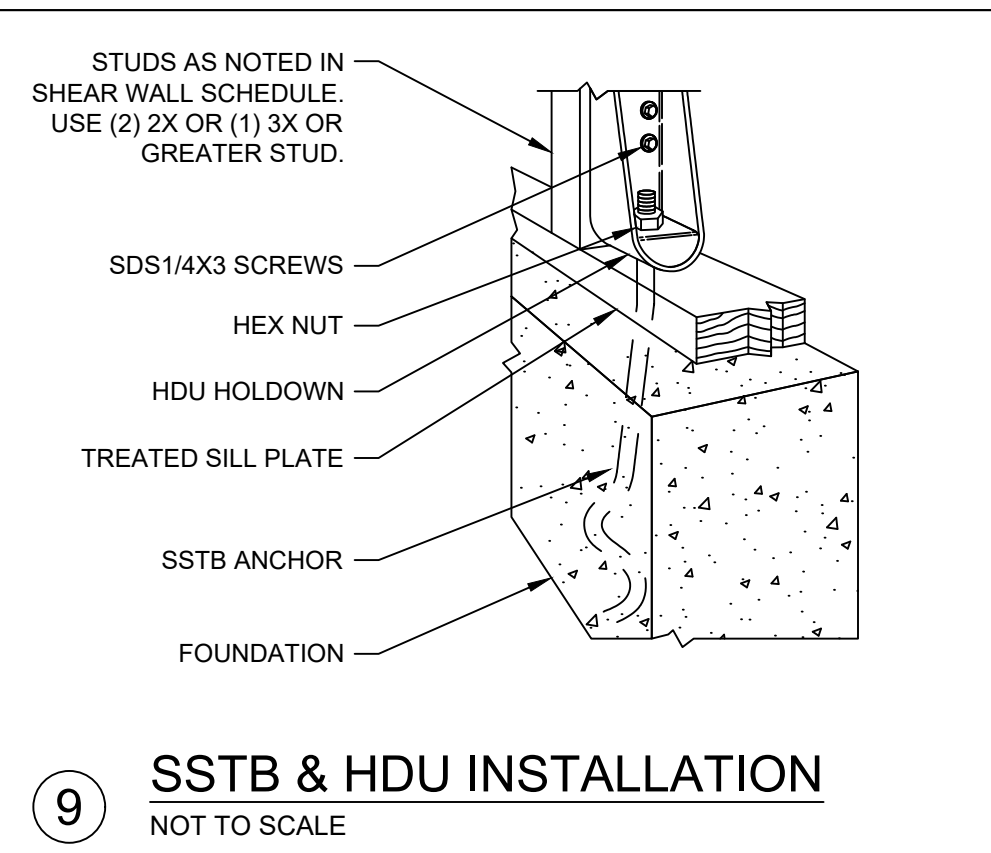
6 ROOFING SHEATHING NAILING DTL
8d @ 6" O.C. AT DIAPHRAGM BOUNDARY & SUPPORTED



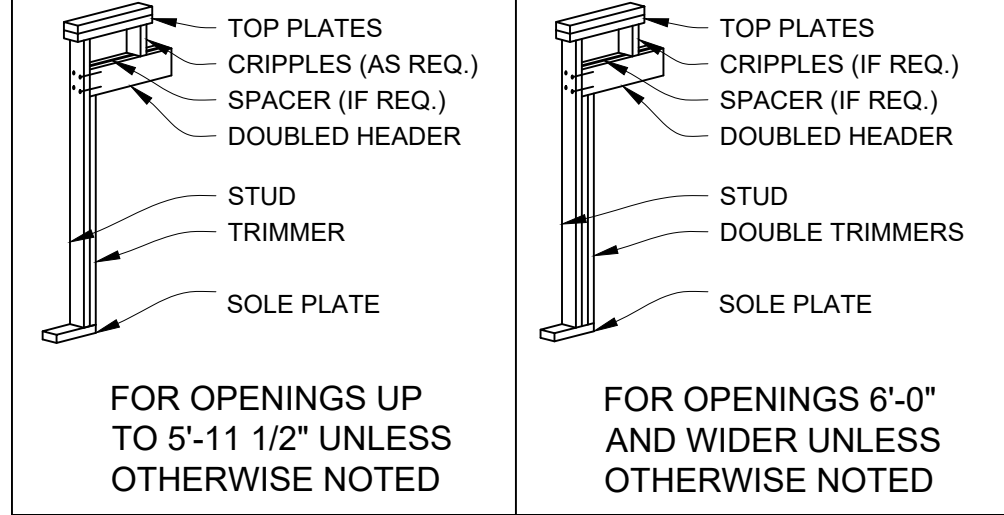
7 BARN SHED TRUSS ATTACHMENT



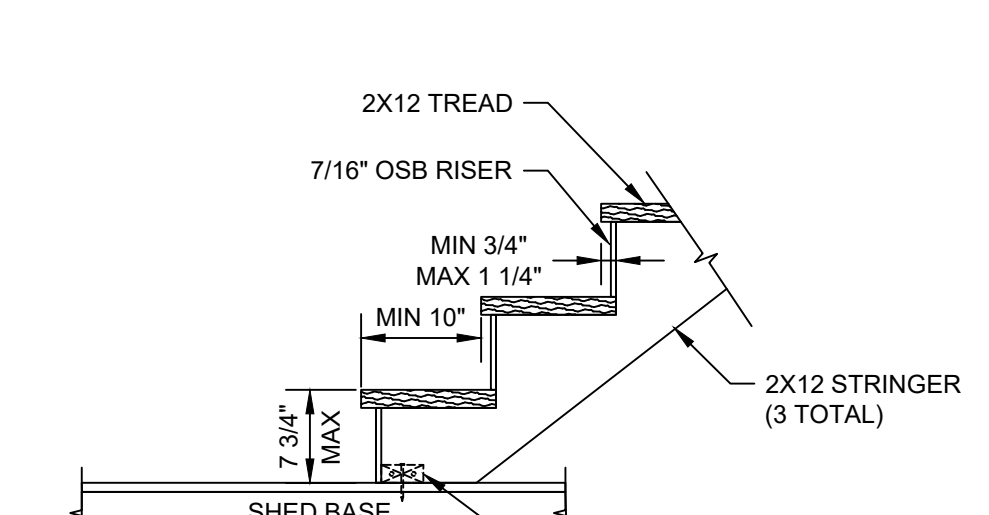
8 ENDWALL ASSEMBLY DETAIL



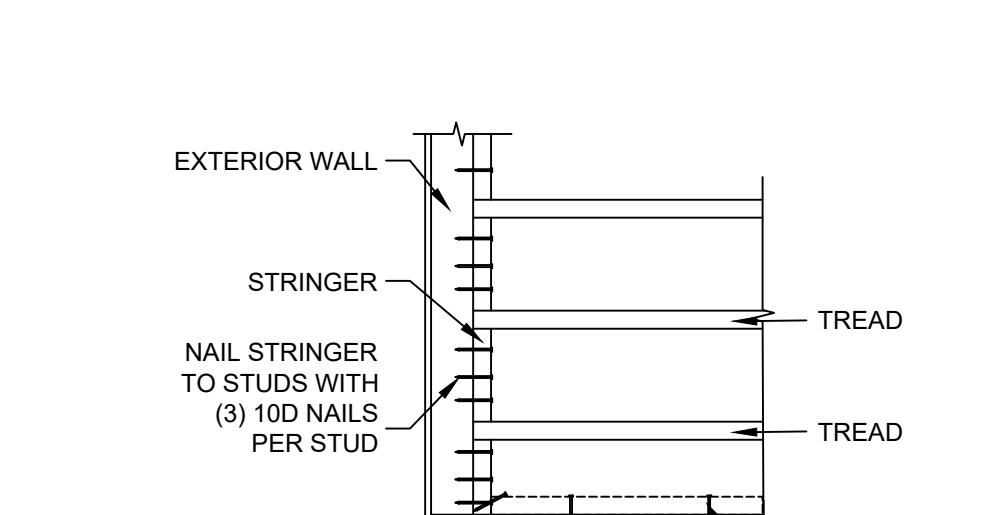
9 SSTB & HDU INSTALLATION
NOT TO SCALE



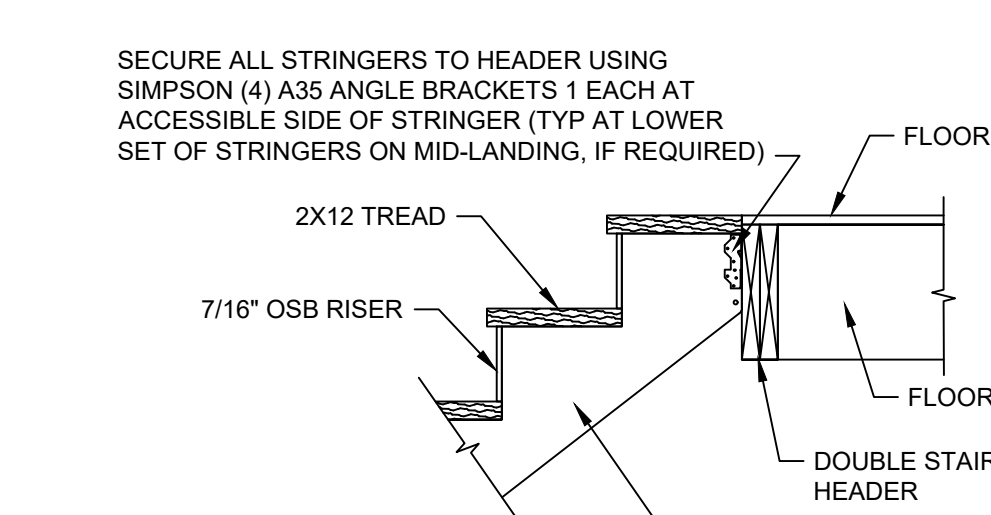
4 HEADER DETAIL
NOT TO SCALE



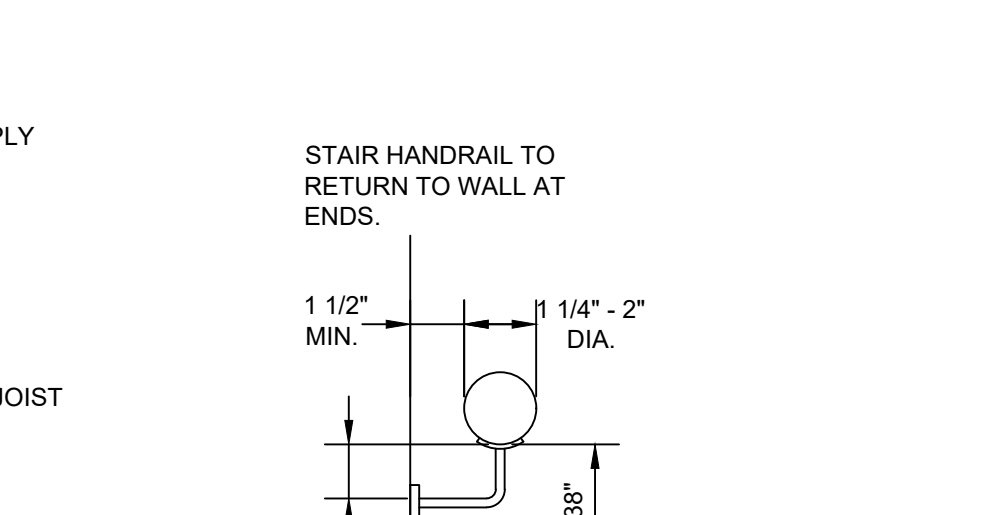
5 STAIR FOOTING SECTION



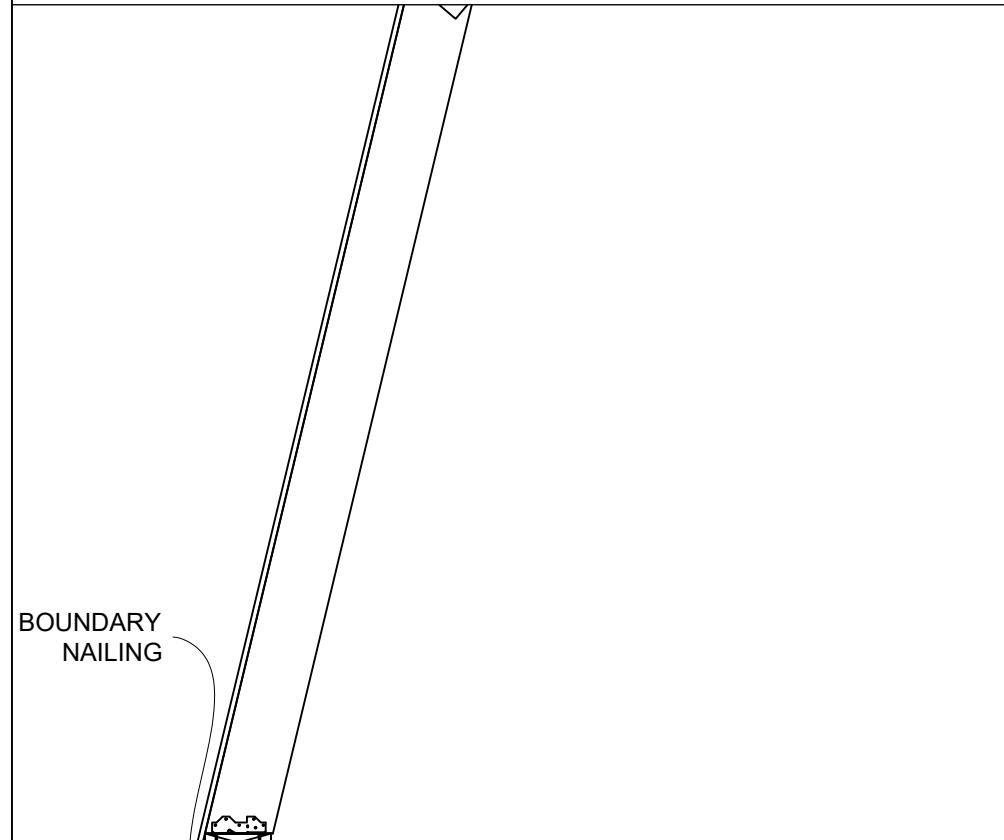
STAIR SECTION



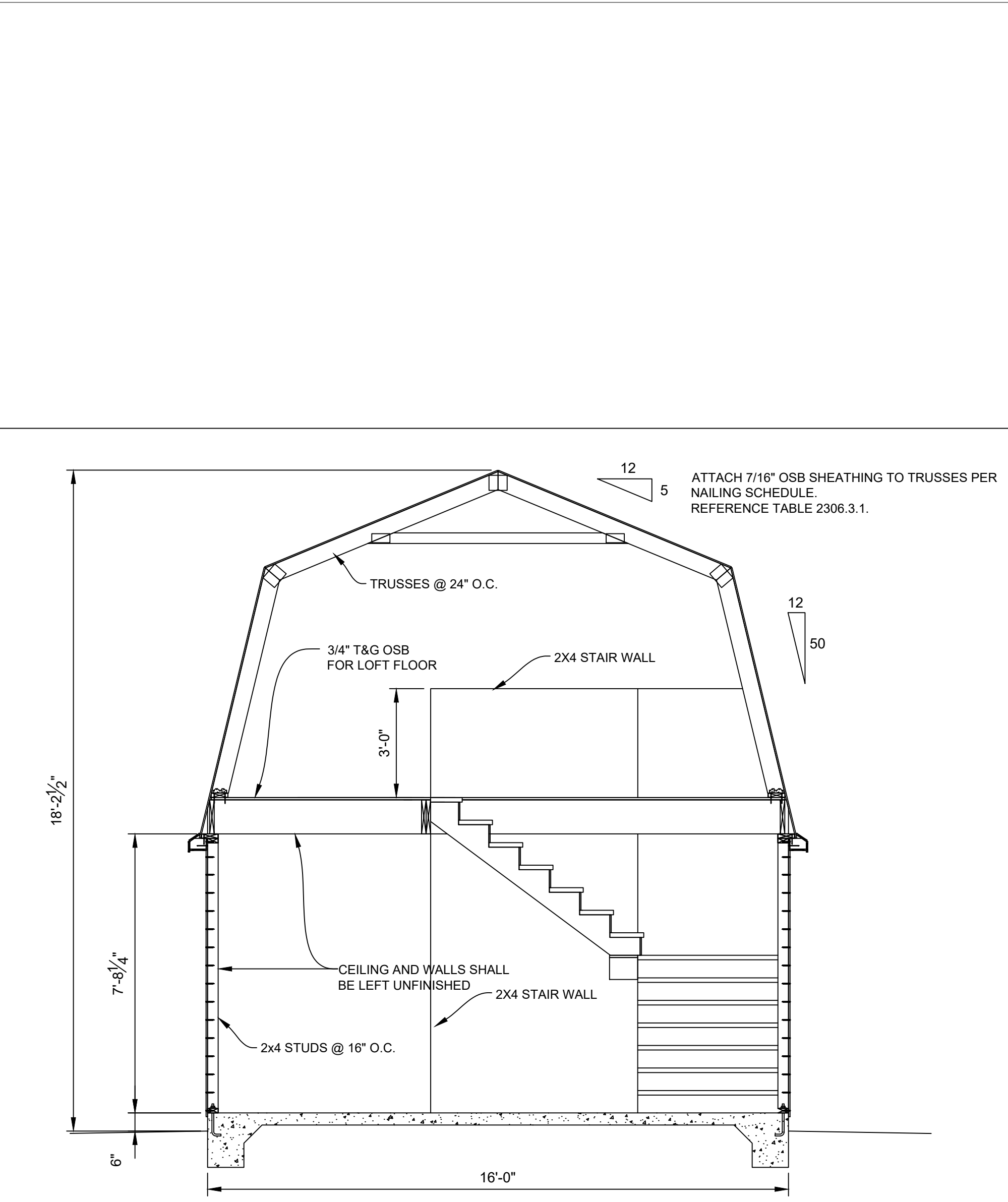
STAIR HEAD SECTION



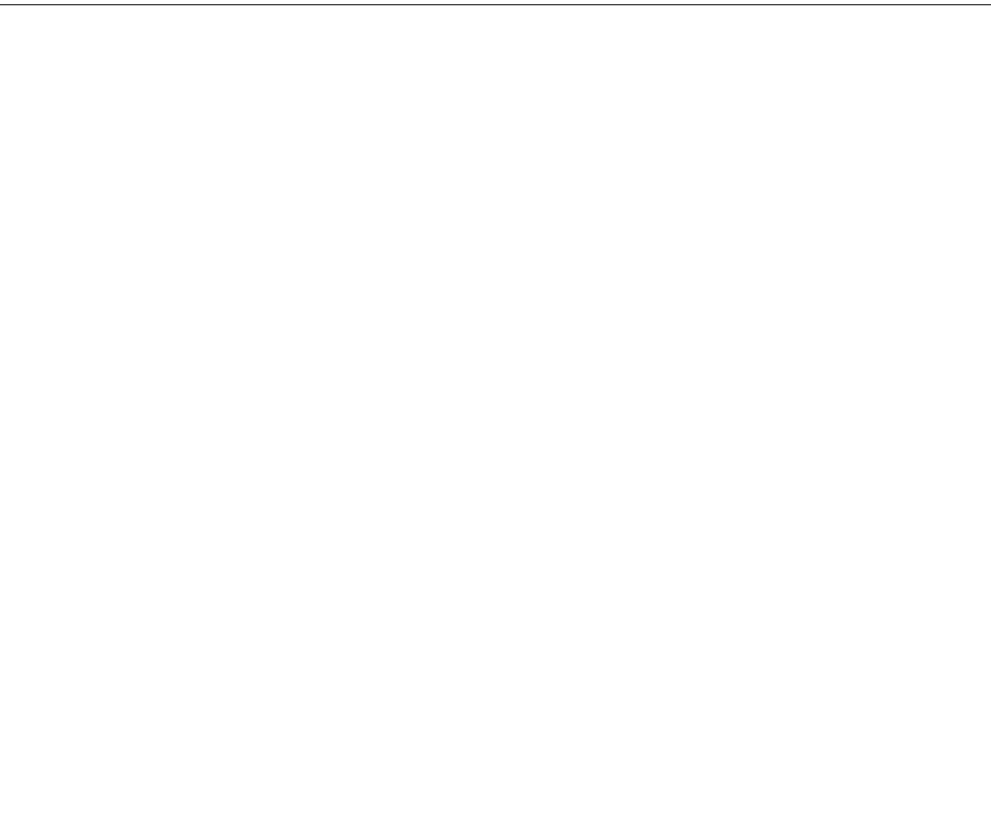
STAIR HANDRAIL



1 SHEAR TRANSFER DETAIL
3/4\"/>



2 BUILDING SECTION
3/8\"/>



3 CF-1 FOUNDATION DETAIL
3/4\"/>

BOUNDARY NAILING

2X SOLID BLOCKING BETWEEN TRUSSES

NAIL SHEATHING TO WALL STUD PER SHEAR WALL SCHEDULE

SHEAR TRANSFER NOTES:
1. REFERENCE SHEAR WALL SCHEDULE FOR NAILING AND HOLDDOWN REQUIREMENTS.
2. REFERENCE ROOFING SCHEDULE FOR MATERIAL AND NAILING REQUIREMENTS.

NAIL SHEATHING TO SOLE PLATE PER SHEAR WALL SCHEDULE EDGE NAILING

ATTACH 7/16\"/>

UNHEATED GARAGE SPACE

ANCHOR BOLT & P.T. SILL PLATE PER NOTES BELOW

#4 CONTINUOUS TOP & BOTTOM

CONCRETE FLOOR

SLAB REINFORCEMENT PER NOTES BELOW

THICKENED SLAB

MONOLITHIC FOUNDATION

CONTINUOUS FOOTING NOTES

- TOP OF SLAB TO BE 6\"/>
- SLAB REINFORCEMENT SHALL BE FIBERMESH 150 OR BLENDED FIBERMESH150. FIBERMESH SHOULD BE DISPERSED UNIFORMLY THROUGH CONCRETE W/ MIN. 1 POUND PER CUBIC YARD OF CONCRETE.
- FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL, COMPETENT SOIL OR PROPERLY COMPACTED STRUCTURAL FILL. ALLOWABLE SOIL BEARING PRESSURE IS 1500 PSF AT 12\"/>
- CONCRETE: MINIMUM 28 DAY COMPRESSIVE STRENGTH, $f_c = 2500$ PSI.
- REINFORCING STEEL: A615, GRADE 40 OR GRADE 60. ALL REINFORCING STEEL SHOWN TO BE CONTINUOUS MAY BE LAPPED A MINIMUM OF 38 BAR DIAMETERS OR 24\"/>
- SEISMIC DESIGN CATEGORY: B
 - ATTACH PRESSURE TREATED SOLE PLATE TO THE FOOTING USING 1/2\"/>
 - ANCHOR BOLTS SHALL BE EMBEDDED AT LEAST 7\"/>
 - THERE SHALL BE A MINIMUM OF 2 BOLTS PER SOLE PLATE PIECE WITH 1 BOLT LOCATED NOT MORE THAN 12\"/>

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STORE 080

Drawn By: TB
Date: 12/3/20
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Title:
- SECTIONS
DETAILS
-
Scale: NONE
Sheet:

S3
Sheet 3 of 3