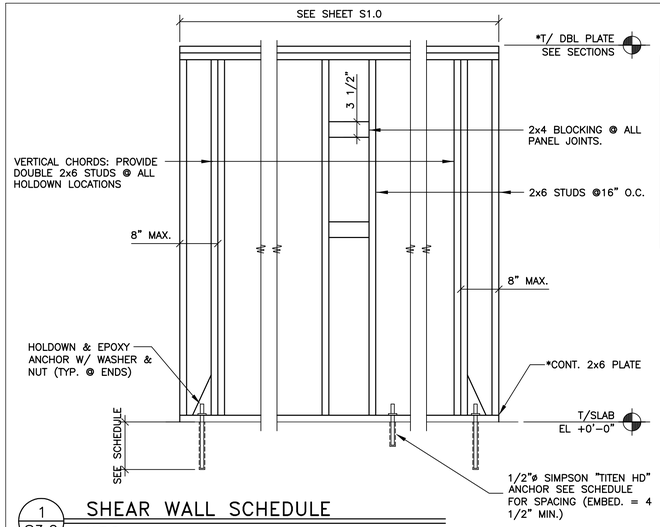


SHEAR WALL SCHEDULE

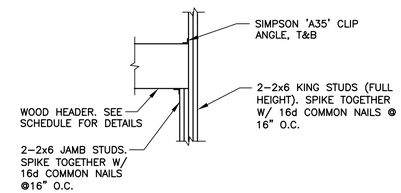
WIND: 115 MPH (EXPOSURE C) SEISMIC: Sds = 11.8%, Sd1 = 10.1%

MARK	SHEATHING	SHEATHING NAIL SIZE	SHEATHING NAIL** SPACING @ PANEL EDGES	HOLDDOWN*** ANCHORS	ANCHOR BOLT SPACING	REMARKS
A	1-15/32"	8d	6"	1-HDU8-SDS2.5 7/8"ø EPOXY ANCH.	32"	15" MIN. EMBED. ON HOLDDOWN ANCHORS.
B	1-15/32"	8d	6"	1-HDU8-SDS2.5 7/8"ø EPOXY ANCH.	32"	15" MIN. EMBED. ON HOLDDOWN ANCHORS.
C	1-15/32"	8d	6"	1-HDU8-SDS2.5 7/8"ø EPOXY ANCH.	32"	15" MIN. EMBED. ON HOLDDOWN ANCHORS.

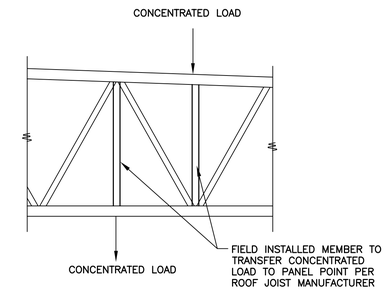
NOTES:
1. SHEATHING PANELS MAY BE LAID UP HORIZONTALLY OR VERTICALLY. NO VERTICAL PANEL EDGES ON VERTICAL CHORDS (HOLDDOWN LOCATION).
2. WIND LOADS GOVERN OVER SEISMIC LOADS UNLESS AS NOTED IN THE REMARKS COLUMN.
3. NAIL ALL SHEATHING TO INTERMEDIATE SUPPORTS @ 12" O.C.
4. SCREW HOLDOWN ANCHORS TO VERTICAL MEMBER W/ 20-"SDS1/4"øx2 1/2" SCREWS EACH

* IF SILL PLATE OR TOP PLATES ARE NOT CONTINUOUS, CONTACT THE ENGINEER OF RECORD FOR SOLUTION.
** NAIL SHEATHING TO ROOF DIAPHRAGM CHORD & TO EACH MEMBER/WALL VERTICAL CHORD W/ 10d COMMON NAILS @ 6" O.C., UNO.
*** AS MANUF. BY SIMPSON. USE SET HIGH STRENGTH EPOXY FOR THE INSTALLATION OF END THREADED ROD ANCHORS.

1 / S3.2 SHEAR WALL SCHEDULE
N.T.S.



2 / S3.2 HEADER SUPPORT DETAIL
N.T.S.



3 / S3.2 JOIST DETAIL @ POINT LOADS
N.T.S.

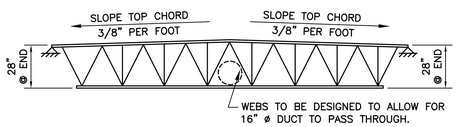
1. FOR NATIONAL ACCOUNT PACKAGE & PRICING CONTACT REDBUILT @ 1-866-859-6757
2. JOIST MFGR. TO VERIFY SIZE AT HVAC ROOF TOP UNITS.

HEADER	HANGER
2x6	LUS26
2-2x6	LUS26-2
2x8	LUS28
2-2x8	LUS28-2
2x10	LUS210
2-2x10	LUS210-2

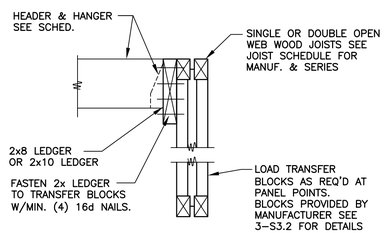
FOR OPENINGS < 1'-4" USE 1-2x6
FOR OPENINGS > 1'-4" AND < 4'-0" USE 2-2x8
FOR OPENINGS > 4'-0" AND < 6'-0" USE 2-2x10

3. ALL JOISTS SHALL BE DESIGNED FOR THE FOLLOWING NET UPLIFT.
115 MPH 3 SEC GUST - EXPOSURE C, UNFACTORED
ASCE 7-10 LOADS
WIND UPLIFT:
INTERIOR = 26.4 PSF ULTIMATE
PERIMETER = 31.4 PSF (ULTIMATE WITHIN 5 FT. OF OUTSIDE WALLS)
DEAD LOAD RESISTANCE = 8 PSF

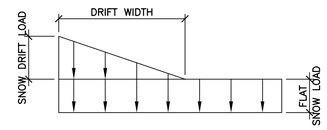
4 / S3.2 JOIST NOTES
N.T.S.



JOIST J1 PROFILE



LOAD TRANSFER BLOCKS
CONCENTRATED LOADS

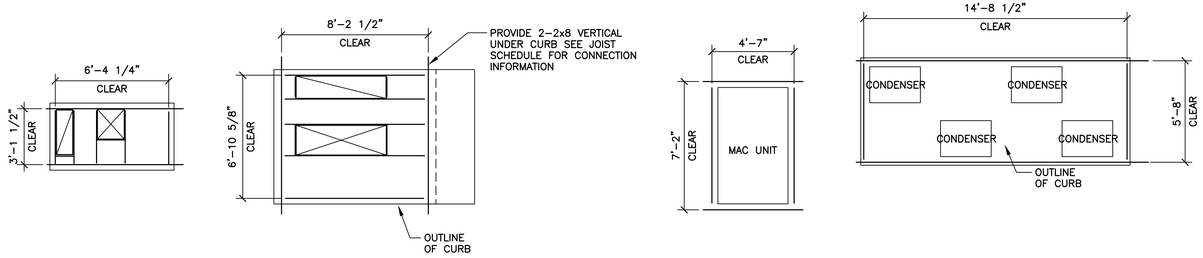


DRIFT	SNOW DRIFT LOAD (PSF)	WIDTH (FT)
SHORT DIRECTION	26	6.1
LONG DIRECTION	41	9.8

NOTE: SNOW DRIFT LOADS BASED ON NOMINAL, UNFACTORED GROUND SNOW LOADS. SEE SHEET S4.0 FOR ADDITIONAL INFORMATION.

5 / S3.2 SNOW DRIFT DIAGRAM/SCHEDULE
N.T.S

6 / S3.2 NOT USED
3/4" = 1'-0"



7 / S3.2 ROOF TOP UNIT CLEARANCES
1/4" = 1'-0"

8 / S3.2 NOT USED
N.T.S.

9 / S3.2 NOT USED
N.T.S.

REV	DATE	DESCRIPTION	BY
	1/23/20	PERMIT	
	1/13/20	USRD REVIEW SET	

PAUL W. VOIGT LICENSED PROFESSIONAL ENGINEER KANSAS 1/23/20

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PREPARED FOR:
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DRAWN BY CRB
STD ISSUE DATE 2019_11
REVIEWED BY AWM
DATE ISSUED 1/23/20
VA# M20-001

TITLE 2019 STANDARD BUILDING - BB20
4597F10-WOOD/WOOD
DESCRIPTION
WOOD BEARING WALLS W/FIBER CEMENT SIDING & CI
WOOD ROOF TRUSS FRAMING
FIBER CEMENT PANEL/BATTEN/ALPOLIC PANEL/BRICK EXT. FINISH
SITE ID 015-0071
SITE ADDRESS 605 SOUTH 7TH STREET, KANSAS CITY, KS

SHEET NO. 015-0071.00.0
S3.2
DETAILS