

[illegible]

RAFTERS ARE IN-LINE WITH WALL STUDS FOR CONTINUOUS LOAD TRANSFER PATH

- ROOF SHEATHING OPTIONS:
- BOX RIB ALUMINUM
- 29 GAUGE STEEL AG PANEL SECURED WITH MIN. #10x1.25" SCREW W/1/2" HEAD OR WASHER @ 8" O.C.
- STANDING SEAM STEEL
- ASPHALT SHIGLES

TLE TOP LINE ENGINEERING, LLC
STRUCTURAL ENGINEERS

William E. Neary, III
SMP-51, SMI-79, ICC 5185040
10649 Oakview Pointe Terrace
Gotha, Florida 34734

MAXIMUM DESIGN PRESSURES								
170mph BASIC WIND SPEED								
	1	2n	2r	2e	3r	3e	4	5
ZONE	+21.8	+31.9	+17.4	+17.4	+31.9	+31.9	+31.9	+38.2
	-48.2	-115.2	-62.6	-24.7	-136.9	-115.2	-35.5	-48.4

RAFTER SIZING	
STANDARD PITCH	
WIDTH	RAFTER SIZE
6'-0" TO 11'-0"	#2 S.Y.P 2"x4"
12'-0" TO 13'-8"	#2 S.Y.P 2"x6"
VALUED PITCH	
WIDTH	RAFTER SIZE
6'-0" TO 8'-0"	#2 S.Y.P 2"x4"
8'-1" TO 13'-8"	#2 S.Y.P 2"x6"

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*** Please note: Any questions regarding local permitting should be directed to the Manufacturer. The Manufacturer's contact information can be found in the title block of the plans.

APPROVED FOR HVMZ USE

FBC 1626.1 EXCEPTION: F. STORAGE SHEDS THAT ARE NOT DESIGNED FOR HUMAN HABITATION AND THAT HAVE A FLOOR AREA OF 720 SQUARE FEET (67 M²) OR LESS ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WINDBORNE DEBRIS IMPACT STANDARDS.

2020-12-22 TOP LINE ENGINEERING APPROVAL PLAN # HH-WTA-170D-20 *** HVHZ APPROVED

GENERAL NOTES
1. FOUNDATION PLANS ARE NOT PART OF THIS PLAN SET AND ARE COVERED BY

1. LOCAL JURISDICTION
2. THIS BUILDING IS EXEMPT FROM RESIDENTIAL LAMB STORAGE CODE.
3. THIS BUILDING IS EXEMPT FROM THE IBC/FCR EGRESS SECTIONS, R101.4.2.4, R401.1, R401.2 AND R401.3.
4. REFER TO THE DOWN DETAILS FOR PROPER INSTALLATION REQUIREMENTS TO MEET CODE.
5. ALL LUMBER FOR CONSTRUCTION WILL BE #2 SPT EXCEPT AS NOTED.
6. ALL EXTERIOR FINISHES SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY MARKING.
7. ALL WINDOWS AND DOORS TO MEET THE MINIMUM SPECIFICATIONS PER THE APPROVED PLANS AND THE FLORIDA BUILDING CODE.
8. IF THE BUILDING IS EXEMPT FROM THE IBC/FCR EGRESS SECTIONS THAT ARE NOT DISPERSED FOR HUMAN VENTILATION AND THAT HAVE A FLOOR AREA OF 720 SQUARE FEET OR LESS ARE NOT REQUIRED TO COMPLY WITH THE MINIMATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THIS CODE.
9. IN ACCORDANCE WITH FBC 1016.1.1, EXCEPTION (10.) BUILDINGS THAT ARE 400 SQUARE FEET OR LESS ARE NOT REQUIRED TO BE SUBJECT TO THE DOOR HEIGHT AND WIDTH REQUIREMENTS OF THIS CODE. STRUCTURES 400 SQ-FT OR MORE SHALL HAVE AN 8' MINIMUM DOOR.
10. BUILDINGS AND STORAGE STRUCTURES BEARING THE DESIGN OR APPROVAL OF THE DEPARTMENT ARE NOT SUBJECT TO 515.4.2 (FLORIDA PRODUCT APPROVALS) BUT SHALL MEET THE DESIGN WIND LOAD REQUIREMENTS OF THE 2020 FBC 7TH EDITION.
11. EXTERIOR WALL STRIPS CAN BE BENT AROUND STRUCTURAL MEMBERS OF WALL STUDS, TRUSSES, CHORDS, ETC. TO HELP SECURE THESE MEMBERS, PROVIDED THAT THE ABOVE BEND DOES NOT INTERFERE WITH ANY OF THE EXISTING BEAMS/BEAMS IN THE STUD.
12. AS PER THE SECTION 1604.1, EXCEPTION (7) STORAGE SHEDS THAT ARE NOT 720 SQ. FEET OR LESS ARE NOT REQUIRED TO COMPLY WITH THE MINIMATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THIS CODE.
13. COMPONENTS/CLADDING ARE IN COMPLIANCE WITH THE 2020 FBC 7TH EDITION.
14. SHEETS LOCATED IN FLOOD HAZARD AREAS MUST COMPLY WITH THE LOCAL.
15. IF A WALL IS PAVED FOR TYPICAL HAVG UNITS THAT WILL BE APPROVED BY THE AUI AND LOCAL REGULATORY FOR THE CONSTRUCTOR.
16. WINDOWS AND DOORS INSTALLED BY THE CONSTRUCTOR ARE REQUIRED TO HAVE 1/2" MIN. COMPONENTS FOR SHEETS PROVIDE THAT INSTALLATION PER MANUFACTURERS INSTRUCTIONS.

Handi-Houses
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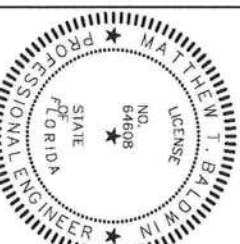


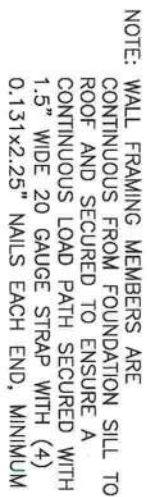
P.O. BOX 830
SMYRNA, GA 30404
PHONE NUMBER:
(800) 772-6436

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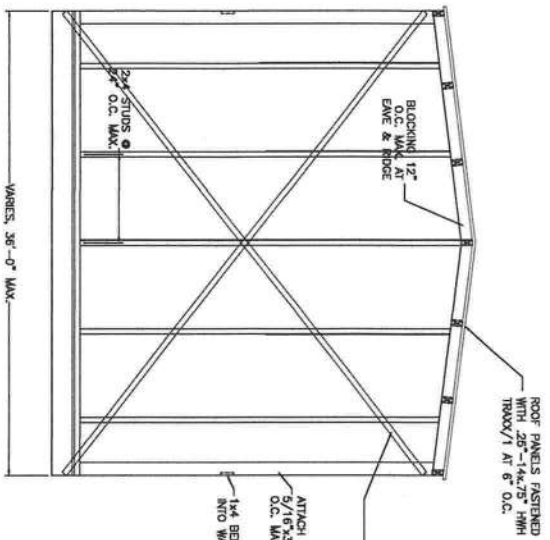
TITLE: ROOF LAYOUT - WOOD TURN AROUND

Sheet: FBPR-1 OF 5





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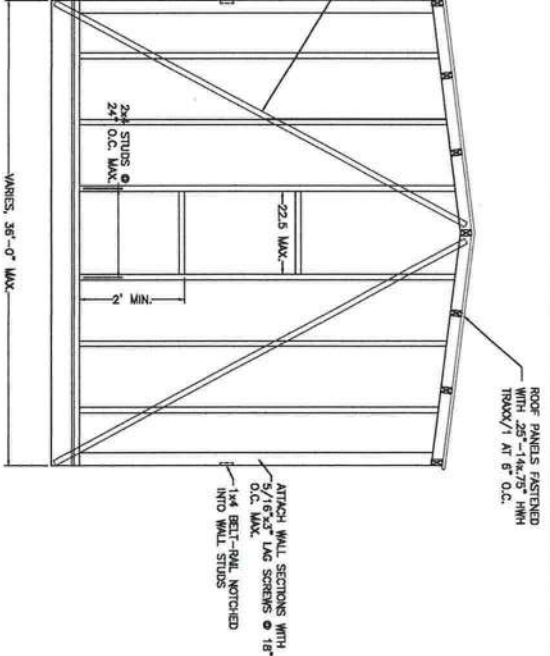
ROOF PANELS FASTENED WITH 2x6-14x75 HHW TRUSS/1 AT 6' O.C.

200A 1.25" BRACING STRIPS ON WALL (ONLY). FASTEN WITH (2)-0.131x2.25" GUN WALS OR #6x2.25" SCREWS AT EACH STUD.

ATTACH WALL SECTIONS WITH 5/16x3.5" LAG SCREWS @ 18" O.C. MAX.

1x4 BELT-PAIL NOTCHED INTO WALL STUDS

VARIES, 36'-0" MAX.



ROOF PANELS FASTENED WITH 2x6-14x75 HHW TRUSS/1 AT 6' O.C.

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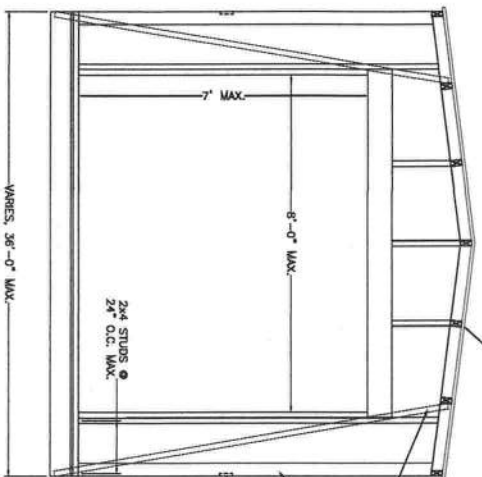
SIDE WALL/END WALL FRAMING OPTION

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ROOF PANELS FASTENED WITH 2x6-14x75 HHW TRUSS/1 AT 6' O.C.

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NOTE: WALL FRAMING MEMBERS ARE CONTINUOUS FROM FOUNDATION SILL TO ROOF AND SHALL BE SECURED WITH 1.5" WIDE 20 GAUGE STRAP WITH (4) 0.131x2.25" WALS EACH END, MINIMUM



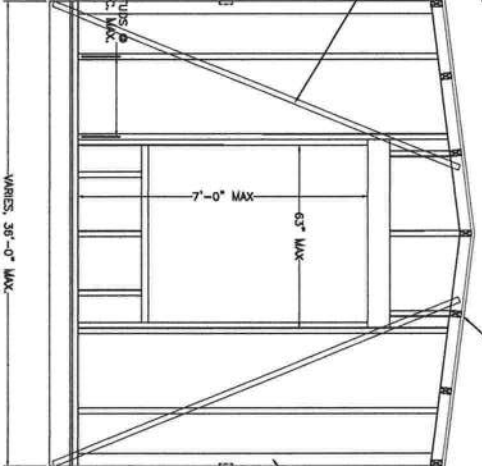
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VARIES, 36'-0" MAX.

SIDE WALL/END WALL FRAMING OPTION

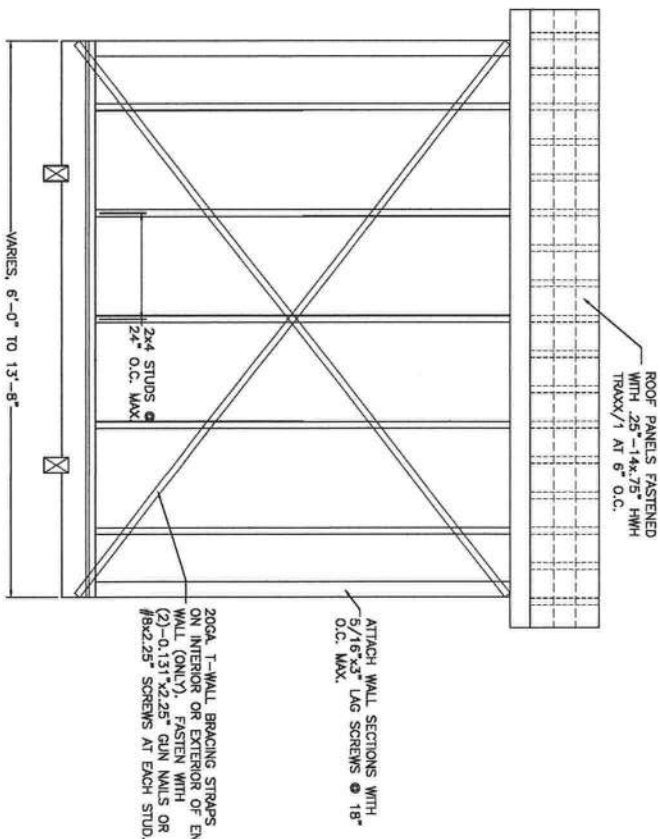
SIDE WALL/END WALL FRAMING OPTION

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END WALL LAYOUT - WTA

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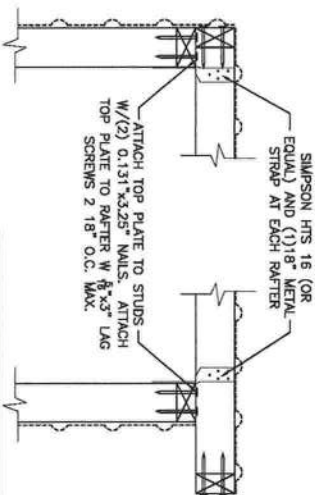
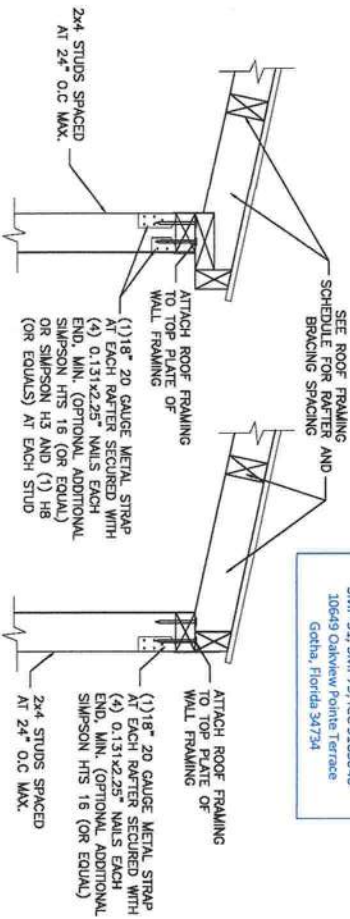
Sheet: FBPR-3 OF 9



TYPICAL FRAME SECTION

TYPICAL END WALL FRAMING

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OVERHANG OPTION DETAILS

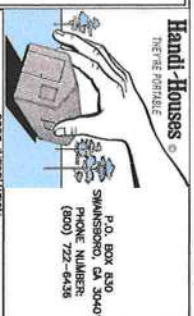
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2020-12-22 TOP LINE ENGINEERING APPROVAL PLAN # HH-WTA-170D-20 *** HVHZ APPROVED

TITLE:
END WALL LAYOUT - WTA

Sheet: FBPR-4 OF 9

Design By:	MTS
Date:	12-9-20
Scale:	NTS
Model:	HH-WTA-1700

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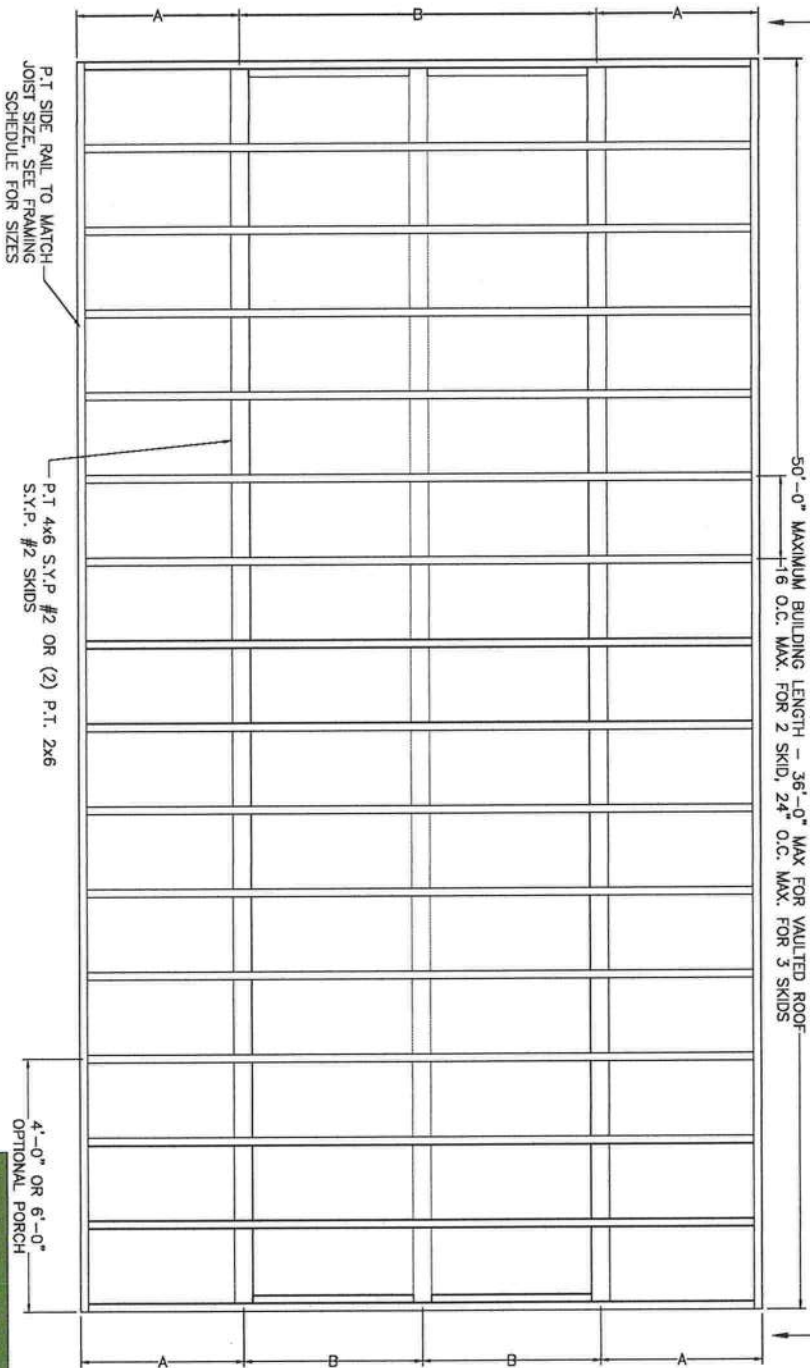
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WIDTH	JOIST SIZE*
6'-0" TO 8'-0"	2"x4"
> 8'-0"	2"x6"

*NOTE: JOISTS CAN BE EITHER #2 S.Y.P. OR 18 GAGE STEEL CHANNELS. THE STEEL CHANNEL ACTUAL DIMENSIONS MATCH THE WOOD ACTUAL DIMENSIONS AND ARE INTERCHANGEABLE.

SKID RUNNER SPACING* 30" LENGTH AND GREATER	
SHED WIDTH	A B
6'-0"	12" 24"
8'-0"	16" 32"
10'-0"	20" 40"
11'-0"	22" 44"
11'-8"	24" 46"
13'-0"	26" 52"
13'-8"	28" 56"

*VALUES ARE FROM END OF JOIST
TO CENTERS OF SKIDS ONLY.



2 & 3 SKID FLOOR FRAMING PLAN

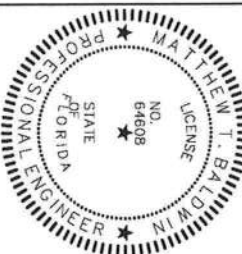
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SMITHSTOWN, CA 90404
PHONE NUMBER
(800) 772-6435

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TITLE:
FLOOR LAYOUT - WTA

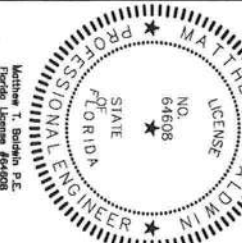
Matthew T. Baldwin P.E.
Florida License #64608

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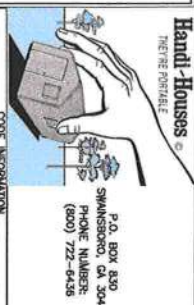
2020-12-22 TOP LINE ENGINEERING APPROVAL PLAN # HH-WTA-170D-20 *** HVHZ APPROVED

Sheet: FBPR-6 OF 9



Matthew T. Baldwin P.E.
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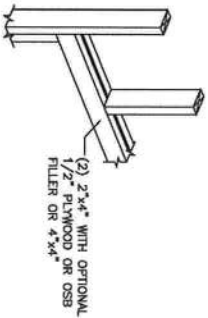
Sheet: FBPR-6 OF 9



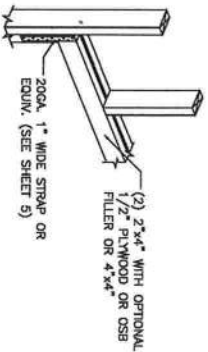
HEADER DETAILS, EQUIVALENT SIZES & MISCELLANEOUS DETAILS

*NOTES

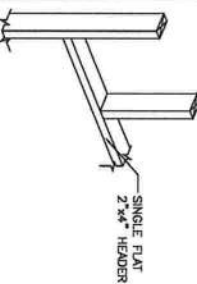
1. THE OPTIONAL 1/2" PLYWOOD OR OSB FILLER CAN BE BETWEEN BOARDS OR ON INSIDE OF STRUCTURE.
2. SEE FASTENER SCHEDULE FOR HARDWARE REQUIREMENTS.
3. SEE HEADER SCHEDULE FOR ADDITIONAL INFORMATION.
4. WINDOW HEADERS HAVE COMBINED 50% OR MORE WALL FRAMING ABOVE AND BELOW, OTHERWISE REFER TO DOOR HEADERS.
5. THESE ARE DESIGN MINIMUMS AND LARGER STUDS CAN BE SUBSTITUTED



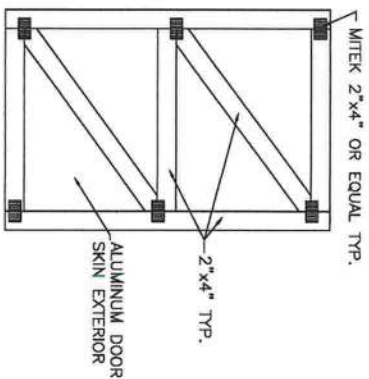
(2) 2"x4" OR 4"x4"



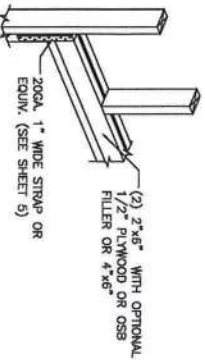
200A 1" WIDE STRAP OR EQUIV. (SEE SHEET 5)



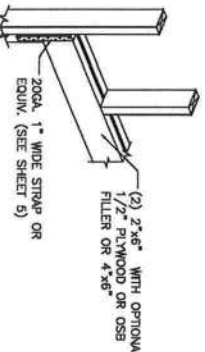
WINDOWS * 3' WIDE OR LESS



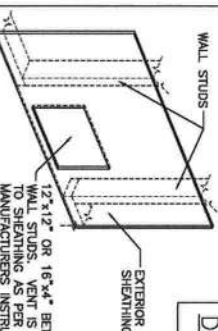
OPTIONAL WOOD FRAME DOOR CONSTRUCTION DETAIL



200A 1" WIDE STRAP OR EQUIV. (SEE SHEET 5)



200A 1" WIDE STRAP OR EQUIV. (SEE SHEET 5)



HYDROVENT DETAIL (OPTIONAL)

SIDE WALL HEADER SCHEDULE (170D) [i]

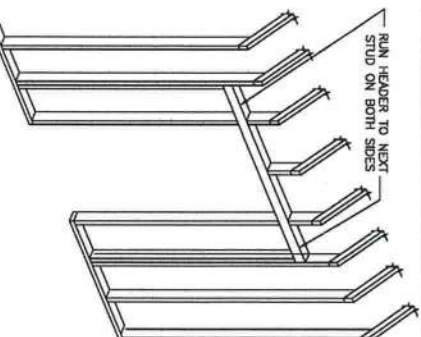
SIZE [d]	BUILDING WIDTH UP TO 14' WIDE	FASTENERS W/O STRAP (EACH END) [i]
1-2"x4" [i]	MAX. SPAN	N/A [i]
2-2"x4"	8'-0"	3-3"x6, 13" NAILS

A. STANDARD VALUES ARE FOR NO. 2 GRADE STRUCTURE PINE OR LUMBER.
B. NUMBER OF JACK STUDS REQUIRED TO SUPPORT EACH END TO NEXT STUD.
C. SET HEADER STRIPS FOR A MINIMUM LAYOUT, I.E. 2-2"x4" OR 4"x4" BETWEEN STUDS.
D. THE OPTIONAL 1/2" PLYWOOD OR OSB FILLER IS NOT STRUCTURAL AND ONLY FOR ASPHENICS.
E. OTHERING DOOR HEADERS SCHEDULE. SEE SHEET 5 FOR LATER AND INTERV. HAVE COMBINED STRENGTH (COMBINATION AND USE THE MAXIMUM SHOWN STRIPS SEE HEADER DETAILS AND DIMENSIONAL SIZES.

END WALL HEADER SCHEDULE (170D) [i]

SIZE [d]	MAX. SPAN	N/A [i]	FASTENERS W/O STRAP (EACH END) [i]
1-2"x4"	MAX. SPAN	N/A [i]	3-3"x6, 13" NAILS
2-2"x4"	8'-0"	0	6-3"x6, 13" NAILS

A. STANDARD VALUES ARE FOR NO. 2 GRADE STRUCTURE PINE OR LUMBER.
B. NUMBER OF JACK STUDS REQUIRED TO SUPPORT EACH END TO NEXT STUD.
C. SET HEADER STRIPS FOR A MINIMUM LAYOUT, I.E. 2-2"x4" OR 4"x4" BETWEEN STUDS.
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E. OTHERING DOOR HEADERS SCHEDULE. SEE SHEET 5 FOR LATER AND INTERV. HAVE COMBINED STRENGTH (COMBINATION AND USE THE MAXIMUM SHOWN STRIPS SEE HEADER DETAILS AND DIMENSIONAL SIZES.



'NO-STRAP' HEADER DETAIL MAX. 8' SPAN

HVHZ APPROVED

THE ENGINEERING PROFESSIONALS, LLC
William E. Henry III
SAP: 01, 04, 75, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100
10000 Canadian Prairie Terrace
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TITLE: DETAILS - WTA

Sheet: FBPR-7 OF 9

STATE OF FLORIDA
PROFESSIONAL ENGINEER
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Florida License #64608

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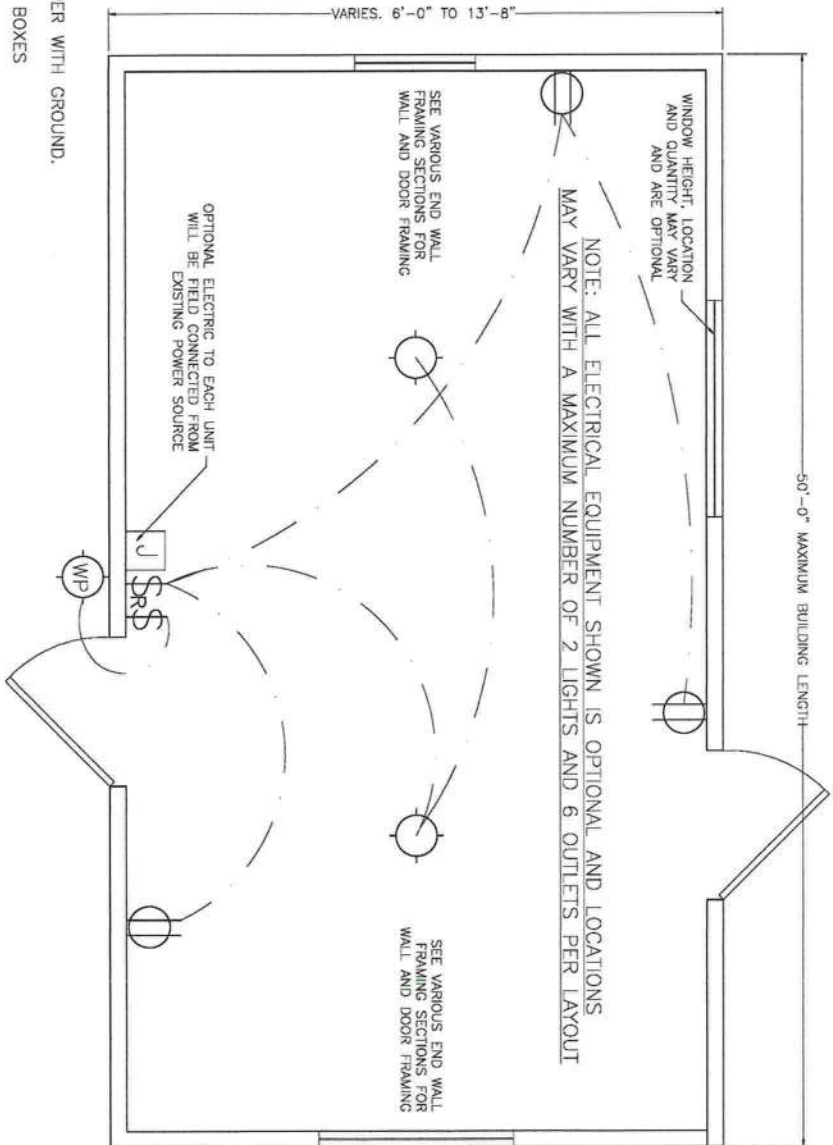
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ELECTRICAL SYMBOL KEY	
	RECEPTACLE
	240V RECEPTACLE
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	CEILING MOUNT LIGHT FIXTURE
	WALL MOUNT LIGHT FIXTURE
	FLUORESCENT LIGHT FIXTURE
	JUNCTION BOX

ELECTRICAL NOTES:

1. ALL WIRE TO BE #12 THHN SOLID COPPER WITH GROUND.
2. FIXTURE LOCATION AND TYPE MAY VARY
3. PLASTIC OR METAL "NEW WORK" OUTLET BOXES
4. 20A GFCI OUTLETS
5. ALL RECEPTACLES TO BE AT 12"-16" A.F.G.; MAXIMUM 8 RECEPTACLES.
6. ALL SWITCHES TO BE AT 48"-52" A.F.G.
7. FLUORESCENT & LED LIGHTS MAY SUBSTITUTE FOR INCANDESCENT LIGHTING
8. ALL OUTLETS TO BE GFCI
9. THE MAIN ELECTRICAL PANEL, FEEDERS, POWER HOOKUP TO UNIT (INCLUDING ALL DISCONNECTS, OVER CURRENT DEVICES, PANELS, GROUNDING, ETC.) IS DESIGNED BY OTHERS, SITE INSTALLED, AND SUBJECT TO LOCAL APPROVAL.

RMT- RIGID METALLIC TUBING
358.30 SECURING AND SUPPORTING. EMT SHALL BE INSTALLED AS A COMPLETE SYSTEM IN ACCORDANCE WITH 350.18 AND SHALL BE SECURELY FASTENED IN PLACE AND SUPPORTED IN ACCORDANCE WITH 358.30 (A) AND (B).
(A) SECURELY FASTENED. EMT SHALL BE SECURELY FASTENED IN PLACE AT LEAST EVERY (10FT). IN ADDITION, EACH EMT RUN BETWEEN TERMINATION POINTS SHALL BE SECURELY FASTENED WITHIN (3 FT) OF EACH OUTLET BOX, JUNCTION BOX, DEVICE BOX, CABINET, CONDUIT BODY, OR OTHER TUBING TERMINATION.
EXCEPTION NO. 1: FASTENING OF UNBROKEN LENGTHS SHALL BE PERMITTED TO BE INCREASED TO A DISTANCE OF (5 FT.) WHERE STRUCTURAL MEMBERS DO NOT READILY PERMIT FASTENING WITHIN (3 FT).



FILE TOP LINE ENGINEERING, LLC
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(800) 722-4435

CODE INFORMATION	
DOOR TYPES	DOOR TYPE, DOOR, DOOR-1, DOOR-2, DOOR-3, DOOR-4, DOOR-5, DOOR-6, DOOR-7, DOOR-8, DOOR-9, DOOR-10, DOOR-11, DOOR-12, DOOR-13, DOOR-14, DOOR-15, DOOR-16, DOOR-17, DOOR-18, DOOR-19, DOOR-20, DOOR-21, DOOR-22, DOOR-23, DOOR-24, DOOR-25, DOOR-26, DOOR-27, DOOR-28, DOOR-29, DOOR-30, DOOR-31, DOOR-32, DOOR-33, DOOR-34, DOOR-35, DOOR-36, DOOR-37, DOOR-38, DOOR-39, DOOR-40, DOOR-41, DOOR-42, DOOR-43, DOOR-44, DOOR-45, DOOR-46, DOOR-47, DOOR-48, DOOR-49, DOOR-50, DOOR-51, DOOR-52, DOOR-53, DOOR-54, DOOR-55, DOOR-56, DOOR-57, DOOR-58, DOOR-59, DOOR-60, DOOR-61, DOOR-62, DOOR-63, DOOR-64, DOOR-65, DOOR-66, DOOR-67, DOOR-68, DOOR-69, DOOR-70, DOOR-71, DOOR-72, DOOR-73, DOOR-74, DOOR-75, DOOR-76, DOOR-77, DOOR-78, DOOR-79, DOOR-80, DOOR-81, DOOR-82, DOOR-83, DOOR-84, DOOR-85, DOOR-86, DOOR-87, DOOR-88, DOOR-89, DOOR-90, DOOR-91, DOOR-92, DOOR-93, DOOR-94, DOOR-95, DOOR-96, DOOR-97, DOOR-98, DOOR-99, DOOR-100, DOOR-101, DOOR-102, DOOR-103, DOOR-104, DOOR-105, DOOR-106, DOOR-107, DOOR-108, 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DOOR-809, DOOR-810, DOOR-811, DOOR-812, DOOR-813, DOOR-814, DOOR-815, DOOR-816, DOOR-817, DOOR-818, DOOR-819, DOOR-820, DOOR-821, DOOR-822, DOOR-823, DOOR-824, DOOR-825, DOOR-826, DOOR-827, DOOR-828, DOOR-829, DOOR-830, DOOR-831, DOOR-832, DOOR-833, DOOR-834, DOOR-835, DOOR-836, DOOR-837, DOOR-838, DOOR-839, DOOR-840, DOOR-841, DOOR-842, DOOR-843, DOOR-844, DOOR-845, DOOR-846, DOOR-847, DOOR-848, DOOR-849, DOOR-850, DOOR-851, DOOR-852, DOOR-853, DOOR-854, DOOR-855, DOOR-856, DOOR-857, DOOR-858, DOOR-859, DOOR-860, DOOR-861, DOOR-862, DOOR-863, DOOR-864, DOOR-865, DOOR-866, DOOR-867, DOOR-868, DOOR-869, DOOR-870, DOOR-871, DOOR-872, DOOR-873, DOOR-874, DOOR-875, DOOR-876, DOOR-877, DOOR-878, DOOR-879, DOOR-880, DOOR-881, DOOR-882, DOOR-883, DOOR-884, DOOR-885, DOOR-886, DOOR-887, DOOR-888, DOOR-889, DOOR-890, DOOR-891, DOOR-892, DOOR-893, DOOR-894, DOOR-895, DOOR-896, DOOR-897, DOOR-898, DOOR-899, DOOR-900, DOOR-901, DOOR-902, DOOR-903, DOOR-904, DOOR-905, DOOR-906, DOOR-907, DOOR-908, 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DOOR-1099, DOOR-1100, DOOR-1101, DOOR-1102, DOOR-1103, DOOR-1104, DOOR-1105, DOOR-1106, DOOR-1107, DOOR-1108, DOOR-1109, DOOR-1110, DOOR-1111, DOOR-1112, DOOR-1113, DOOR-1114, DOOR-1115, DOOR-1116, DOOR-1117, DOOR-1118, DOOR-1119, DOOR-1120, DOOR-1121, DOOR-1122, DOOR-1123, DOOR-1124, DOOR-1125, DOOR-1126, DOOR-1127, DOOR-1128, DOOR-1129, DOOR-1130, DOOR-1131, DOOR-1132, DOOR-1133, DOOR-1134, DOOR-1135, DOOR-1136, DOOR-1137, DOOR-1138, DOOR-1139, DOOR-1140, DOOR-1141, DOOR-1142, DOOR-1143, DOOR-1144, DOOR-1145, DOOR-1146, DOOR-1147, DOOR-1148, DOOR-1149, DOOR-1150, DOOR-1151, DOOR-1152, DOOR-1153, DOOR-1154, DOOR-1155, DOOR-1156, DOOR-1157, DOOR-1158, DOOR-1159, DOOR-1160, DOOR-1161, DOOR-1162, DOOR-1163, DOOR-1164, DOOR-1165, DOOR-1166, DOOR-1167, DOOR-1168, DOOR-1169, DOOR-1170, DOOR-1171, DOOR-1172, DOOR-1173, DOOR-1174, DOOR-1175, DOOR-1176, DOOR-1177, DOOR-1178, DOOR-1179, DOOR-1180, DOOR-1181, DOOR-1182, DOOR-1183, DOOR-1184, DOOR-1185, DOOR-1186, DOOR-1187, DOOR-1188, DOOR-1189, 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