

GENERAL NOTES:

1. ALL DOOR AND WINDOW HEADERS, TO BE 2"x2"x8 OR 6"x6, UNLESS OTHERWISE NOTED.
2. ALL INT. NON-LOAD BEARING HEADERS TO BE (2) 2"x4 UNLESS OTHERWISE NOTED.
3. ALL EXT. WOOD FRAMED WALLS AND INT. LOAD BEARING WALLS SHALL BE 2"x6 @ 16" O.C. DF.
4. ALL INT. WOOD FRAMED WALLS (NON-LOAD BEARING) SHALL BE 2"x4 @ 16" O.C. DF.
5. ALL ADDITIONAL BLOCKING, STUDS, TRIMMERS AND NAILS/SCREWS NOT SPECIFIED SHOULD BE TYPICAL STUD MATERIAL.
6. CONTRACTOR TO VERIFY SIZE AND LOCATION OF ALL OPENINGS IN FLOOR, ROOF AND CEILING. PROVIDE WASHERS ON ALL BOLTED CONNECTIONS.
7. ALL SHEEPSON STRONG THE CONNECTORS AND HANGERS TO BE INSTALLED WITH STRICT ACCORDANCE TO MANUF. INSTALLATION REGS. SEE INSTALLER GUIDE.
8. SCANS SHALL BE INSTALLED AT 16" O.C. ABOVE ALL OPENINGS.
9. INSULATION AND VAPOUR BARRIERS PER PLAN. BUILDING ENVELOPE DESIGN BY OTHERS.
10. ANCHOR BOLTS SHOULD EXTEND MIN. 3/4" ABOVE SILL PLATE FOR INT AND WASHER FOR EXTER.
11. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS, MATERIALS AND DIMENSIONS IN THE FIELD.

BUILDING CODE COMPLIANCE

THIS STRUCTURAL DESIGN WAS PREPARED TO COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING INDUSTRY CODES, STANDARDS AND REGULATIONS. REQUIRE MODIFICATIONS TO BOTH MATERIALS AND DESIGN TO BE IN ACCORDANCE WITH THE FOLLOWING:

- 2023 IBC
- ANSI TPI-1-2001
- GA-600-2012
- AISC NDS 2012
- ACI 318-11
- WBEC 2012

BUILDING DATA

LENGTH: 56'-0"
 WIDTH: 55'-0"
 STUD WALL HEIGHT: 9'-10"
 GRADE TO RIDGE HEIGHT: 19'-6"
 EAVE HEIGHT: 11'-0"

BUILDING AREA

MAIN FLOOR: 1,350 SQFT
 UPPER FLOOR: N/A
 BASEMENT: N/A
 TOTAL LIVING AREA: 1,350 SQFT
 USABLE LIVING AREA: 1,811 SQFT
 GARAGE: 593 SQFT
 STORAGE: N/A
 TOTAL BLDG. AREA: 2,593 SQFT

DESIGN CRITERIA

GROUND SNOW LOAD: 25 PSF
 FLOOR SNOW LOAD: 50 PSF
 OCCUPANCY CLASSIFICATION: R
 RISK CATEGORY: II
 SNOW IMPROVEMENT FACTOR: 1.0
 TYPICAL STRENGTH (ULT)
 WIND PERFORMANCE FACTOR: 1.0
 WIND IMPROVEMENT FACTOR: 1.0
 WIND FACTOR: 0.6
 SITE CLASS: D (STRENGTH)
 SEISMIC FACTOR: 0.5
 SEISMIC PERFORMANCE FACTOR: 1.0
 PF CONSTRUCTION TYPE: V-B
 SOL. BEARING CAPACITY: 1500 PSF

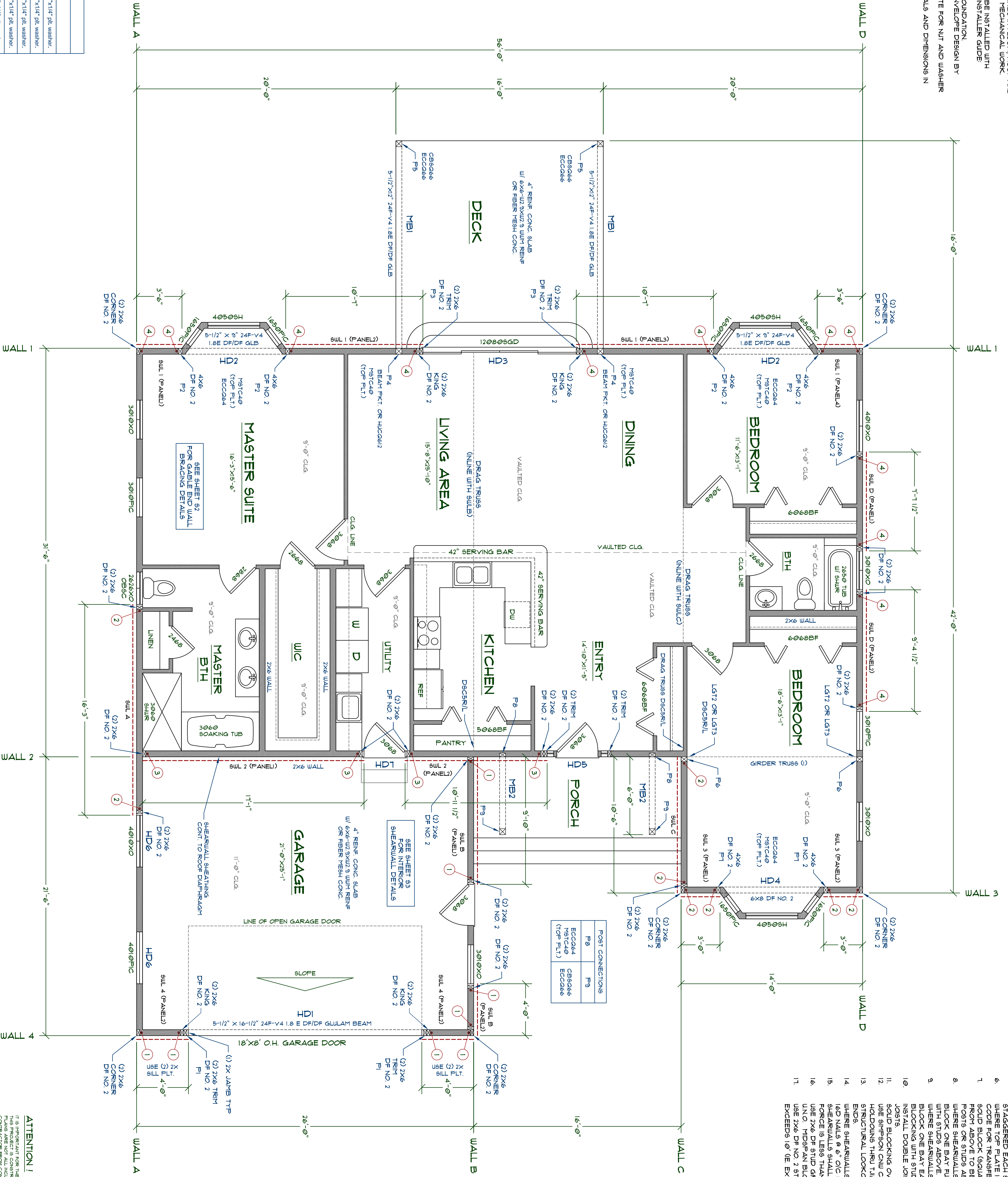
DESIGN LOADS

FLOOR DEAD LOAD: 10 PSF
 FLOOR LIVE LOAD: 40 PSF
 ROOF DEAD LOAD: 5 PSF
 ROOF LIVE LOAD: 5 PSF
 ROOF SNOW LOAD: 20 PSF
 DECK LIVE LOAD: 50 PSF

Location	Part No. & Desc.	Instructions
WALL A	1 1/2" DIA x 10' ANCHOR BOLT	Install 48" OC @ min. 7' embedment w/ 3"x3"x14" PL WASHER.
WALL B	5/8" DIA x 10' ANCHOR BOLT	Install 36" OC @ min. 7' embedment w/ 3"x3"x14" PL WASHER.
WALL C	5/8" DIA x 10' ANCHOR BOLT	Install 36" OC @ min. 7' embedment w/ 3"x3"x14" PL WASHER.
WALL D	1 1/2" DIA x 10' ANCHOR BOLT	Install 48" OC @ min. 7' embedment w/ 3"x3"x14" PL WASHER.
WALL 1	1 1/2" DIA x 10' ANCHOR BOLT	Install 48" OC @ min. 7' embedment w/ 3"x3"x14" PL WASHER.
WALL 2	1 1/2" DIA x 10' ANCHOR BOLT	Install 48" OC @ min. 7' embedment w/ 3"x3"x14" PL WASHER.
WALL 3	5/8" DIA x 10' ANCHOR BOLT	Install 36" OC @ min. 7' embedment w/ 3"x3"x14" PL WASHER.
WALL 4	5/8" DIA x 14' ANCHOR BOLT	Install 24" OC @ min. 7' embedment w/ 3"x3"x14" PL WASHER.

Member #	Ply	Span (ft)	Spacing (in)	Load (psf)	Type	Species	Grade/Specification	Level	Hanger
F11	1	31.5'	16"	50	L1801	n/a	TJI 110 or Equiv.	Floor 1	n/a
F12	1	46'	16"	50	L1801	n/a	TJI 110 or Equiv.	Floor 1	n/a
R1	1	2	24"	37.1'	Lumber	DF	No. 2	Roof	LRU28Z

Multi-span joists or rafters



STRUCTURAL NOTES:

1. ALL FASTENERS INTO PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED.
2. ALL TRUSSES, RAFTERS AND JOISTS SHALL HAVE SOLID BLOCKING AT POINTS OF BEARING.
3. GAP ALL SHEATHING AS PER MANUF. SPECS. INSTALL H-CUPS ON T16 OSB OR 1/2" PLT. ROOF SHEATHING WHEN SPAN IS EXCEEDS OF 17' O/C SPACING.
4. ROOF JOISTS SHALL BE SPACED 16" O/C UNLESS OTHERWISE SPECIFICALLY NOTED.
5. DOUBLE TOP PLATES ARE TO HAVE A MIN. 48" LAP SPACE W/ (4) 16D NAILS.
6. WHERE TOP PLATE IS NOT CONTINUOUS OVER TOP OF BEAM INSTALL STRAP PER CODE FOR TRANSFER OF TENSILE FORCES.
7. SOLID BLOCK (GOLASH BLOCK) ALL COLUMNS AND SHEARWALL END STUDS OR POSTS ABOVE TO BEARING BELOW. AREA OF BLOCKING MUST EQUAL AREA OF WHERE SHEARWALLS RUN PARALLEL TO FLOOR JOISTS AT EXTERNAL WALLS.
8. BLOCK ONE BAY FULL DEPTH @ 16" O/C W/ SOLID BLOCKING. ALIGN BLOCKING WITH STUDS ABOVE.
9. BLOCKING WITH STUDS ABOVE.
10. SHEARWALLS SHALL BE SPACED NO MORE THAN 24" O/C AT GABLE HOLDINGS THRU T10/91 FLOOR.
11. SHEARWALL LOOKOUTS SHALL BE SPACED NO MORE THAN 24" O/C AT GABLE.
12. WHERE SHEARWALLS INTERSECT AT CORNERS ATTACH SHEARWALL CHORDS W/ 16D NAILS @ 6" O/C STAGGERED.
13. SHEARWALLS SHALL ONLY SHADE A COMMON HOLDOWN IF THE GROSS UPLIFT FORCE IS LESS THAN 2500 LBS PER EACH SHEAR WALL.
14. USE 2X6 DF STUD GRADE @ 16" O/C SPACING FOR FRAMING OF ALL EXT. WALLS UNO. MIDSPAN BLOCKING SHALL BE WITHIN 24" OF HD HEIGHT OF WALL.
15. USE 2X6 DF NO. 2 STUDS @ 16" O/C SPACING WHERE STUD EQUALS OR EXCEEDS 10' 0" EXT. GARAGE WALLS AND ANY BALCONY FRAMED WALLS.

HOLDOWNS:

1. SHOWS LOCATION OF 98T HDU HOLDOWNS
2. 98B16X24 ANCHOR BOLTS (2) 2X6 CHORD AB FIN. EMBEDMENT 18"
3. SHOWS LOCATION OF 98T HDU HOLDOWNS
4. 98B16X24 ANCHOR BOLTS (2) 2X6 CHORD AB FIN. EMBEDMENT 18"
5. SHOWS LOCATION OF 98T HDU HOLDOWNS
6. 98B16 ANCHOR BOLTS (2) 2X6 CHORD AB FIN. EMBEDMENT 18"
7. SHOWS LOCATION OF 98T HDU HOLDOWNS
8. 98B16 ANCHOR BOLTS (2) 2X6 CHORD AB FIN. EMBEDMENT 18"

NOTE:
 FLOOR PLAN DIMENSIONS ARE TO FACE OF FRAMING OR CENTERLINE OF OPENINGS TYP. AS SHOWN.

ATTENTION!

IT IS RECOMMENDED THAT THE CLIENT AND CONTRACTOR CONSULT WITH THE ARCHITECT AND ENGINEER FOR ANY CHANGES TO THIS PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY CHANGES TO THIS PLAN SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY CHANGES TO THIS PLAN SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER.



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PLAN NO. **HOUSE5655**
 SCALE: 1/8" = 1'-0"
 REVISED: A.1

DESIGNED BY: **NFW**
 DATE: **10/30/2015**

STRUCTURAL DETAILS 1

REVISION HISTORY:

CUSTOMER:

SHEET NO. **51**
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