STRUCTURAL FRAMING NOTES

1. SIMPSON SSU HANGERS. CONNECT JACK TRUSS TOP AND BOTTOM CHORD, OR RAFTER AND CLG JOISTS (WHERE STICK FRAMING IS USED) TO CARRY TRUSS.
2. TYPICAL STAIR CONSTRUCTION: (see architectural details A7.4)
   MID LANDINGS - 1-3/4x11-7/8 LVL @ 24" oc.
   HEADER'S - (2) 1-3/4x11-7/8.
   SEE DETAIL 13/S2.5 FOR STRINGER SIZE AND SPACING, DETAIL 11/S3.3 FOR ROOF FRAMING & DETAIL 9/S2.4 FOR BEAM SIZE AND LOCATIONS.
3. GRADUATED TRUSSES FOR HIP/VALLEY CONSTRUCTION.
4. SPACE JOISTS 32" FOR H.V.A.C. SUPPORT FLOOR SHEATHING w/ FLAT 4x12 @ 24" o.c. w/ Z2 CLIPS THIS LOCATION. (TYP.)
5. TRUSSES BEAR ON EXTERIOR WALL AND CANTILEVER OVER TOP FLOOR DECKS. SIMPSON H1 EACH TRUSS CANTILEVERED.
6. TRUSSES BEAR ON TOP OF WALL, OR COLUMN. SIMPSON H2.5 ANCHOR TIES TRUSS TO FRAMING MEMBER BELOW EACH END OF EACH TRUSS
7. SPACE FRAMING MEMBER FOR MECH CHASE, HATCHES AND OPENINGS. SEE DTLS. 2 & 3/S2.5 CONFIRM CLEAR OPENING REQMNTS WITH MECH CONTR.
8. 2x6 DECK JOISTS @ 16" oc/ U.O.N. SEE DTL SHEET A7.3 and 10 & 11/S2.3 FOR DECK FRAMING.
9. SHEAR WALL NOTES-(PANELS REFER TO DETAIL 2/S2.6)
   * SHEAR WALL CONSTRUCTION IN ACCORDANCE WITH REPORT NO NER-272.
   * SHEAR WALL PERPENDICULAR TO CORRIDOR CONTINUE THROUGH ATTIC TO UNDER SIDE OF ROOF SHEATHING. USE SAME WALL TYPE AS USED ON THIRD FLOOR. (DETAIL 1/S2.6) OR SHEAR "B" WHICHEVER IS GREATER.
10. STICK FRAME OVER ELEVATOR w/ 2x8 RAFTERS @ 16" o.c. ON CRIPPLE WALLS, ON SHAFT AND CORRIDOR.
11. DECK BELOW
12. NOT USED
13. FIRE BARRIER WALL SEE DETAIL 15 AND 16 ON S2.9
14. DRAG STRUTS - REFER TO STRUC. DETAIL 8 /S2.6, DRAG STRUT @ FLOOR.
15. DRAG STRUTS - REFER TO STRUC. DETAIL 9 /S2.6, DRAG STRUT @ FLOOR.
16. DRAG STRUTS - REFER TO STRUC. DETAIL 11/S2..6 DESIGN TRUSS FOR ADDITIONAL 2000# LATERAL LOAD PLACED ON TOP CHORD OF TRUSS. SEE DETAIL 13/S2.6 FOR UPLIFT CONNECTIONS. SEE DETAIL 15/S2.6 FOR WALL CONNECTION.
17. DRAG STRUTS - REFER TO STRUC. DETAIL 12/S2.6. DESIGN TRUSS FOR ADDITIONAL 5000# LATERAL LOAD PLACED ON TOP CHORD OF TRUSS. SEE DETAIL 13/S2.6 FOR UPLIFT CONNECTIONS.
18. LOCATION OF FUTURE DOOR 14'-6" FROM CORRIDOR SIDE OF WALL OR 6" AWAY FROM NEAREST WALL (PROVIDE DOOR HEADER IN FRAMING SEE DETAIL 10/S3.3).
19. SCISSORS TRUSSES TO BARE ON BEAMS. DO NOT HANG TRUSSES FROM BEAM)
20. (1)-MST72 STRAPS BM TO DBL TOP PLATE/TRUSS OR BEAM TO BEAM
21. (2)-MST72 STRAPS BM TO DBL TOP PLATE. W/ (56)-16d NAILS
22. MITER BEAMS AT CORNERS OR PROVIDE (2) SIMPSON HGA10 ANGLES TOP AND BOTTOM. (AT ELEVATOR)
23. PROVIDE BLK'G FOR KITCHEN HOOD. COORDINATE W/ KITCHEN EQUIP. SUPPLIER FOR LOCATION OF BLK'G.
24. GRADUATE TRUSS OVER-FRAMING @ 24" o.c. W/ SIMPSON VTC2 CLIPS AS REQ'D, OVERFRAMING TRUSSES TO BE PLACED ON ROOF SHT'G (PER DETAIL 8/S2.4)

STRUCTURAL LEGEND:

- 1 / S2.3 — DETAIL REFERENCE
- 1 — STRUCT. NOTE
- HEAT PUMP UNIT
- FIRE WALL/FIRE BARRIER HORIZONTAL EXIT
- WOOD COLUMN DESIGNATION
- TUBE STEEL COLUMN DESIGNATION
- C2 / P1 — COLUMN REF. / COLUMN PAD TAG
- F-1 — FOOTING TAG
- A — SHEARWALL ON WALL SHOWN / SHEAR PANEL ON DASHED SIDE
- 11 — HOLDOWN REF. SYSTEM REFERENCE (SEE S2.7a & S2.7b) SEE DETAILS 10,17/S2.2 FOR FT'G
  SUBSCRIPTS:
  WB - STARTS AT WOOD BEAM
  SB - STARTS AT STEEL BEAM
  HOLDOWN REFERENCE(SEE 1/S2.4)
  S = SINGLE CS16x49" LONG STRAP w/ (22) 10d PER STRAP
  S2 = DBL. CS16x49" LONG STRAP w/ (22) 10d PER STRAP
  S3 = TRIPLE CS16x49" LONG STRAP w/ (22) 10d PER STRAP
  S4 = TRIPLE CS14x57" LONG STRAP w/ (30) 10d PER STRAP
- S
- 2x6 AT 16" O.C. BEARING WALL U.N.O.
- 2x8 BEARING WALL PER PLAN
- 2x10 AT 24" O.C. BEARING WALL
- HALF HIGH WALL PER PLAN
- STRUCT MEMBER (SEE BELOW)
  R = RAFTERS
  J = FLOOR JOISTS
  CJ = CEILING JOISTS
  FRAMING DIRECTION
  J-1 / R-1
- EXTENT OF FRAMING
- SINGLE JOIST / TRUSS
- DBL. JOIST / VLY. TRUSS HIP TRUSS / GIRDER TRUSS

SHEARWALL SCHEDULE

SHEARWALL MARK	SHT'G. TYPE & THICKNESS: APA	SHT'G. TYPE & THICKNESS: WALL BD.	SHT'G. TYPE & THICKNESS: BOTH SIDES	SHT'G. NAIL INFO. SEE NOTE 6: NAIL TYPE	SHT'G. NAIL INFO. SEE NOTE 6: EDGE oc	SHT'G. NAIL INFO. SEE NOTE 6: FIELD oc	KEY NOTES	16d NAILS: NAILING ROWS	FLR. TO FLR. CONNECTION: LTP4 OR ABS	FLR. TO FLR. CONNECTION: oc	FLR. TO FLR. CONNECTION: oc	JOISTS PARALLEL TO WALL (SEE DET. #1/S2.6)	JOISTS PERP. TO WALL (SEE DET. #)	SHEARWALL TO CONC. CONN. ALL ANCHOR BOLTS TO BE 10": ANCHOR BOLT DIA. & SPACING @ * oc	LOAD (plf)
A		8d*		8d CLR.	7"	7"	4	6"		24"	24"		6/S2.3 or 5/S2.6	1/2" DIA. @ 48" or 5/8" DIA. @ 48"	* 100
B	7/16"			8d	6"	12"		6"		22"	22"		6/S2.3 or 5/S2.6	1/2" DIA. @ 36" or 5/8" DIA. @ 48"	210
C	7/16"			8d	4"	12"		6"		14"	14"		6/S2.3 or 6/S2.6	1/2" DIA. @ 24" or 5/8" DIA. @ 36"	320
D	7/16"			8d	3"	12"		4"		11"	11"		6/S2.3 or 6/S2.6	1/2" DIA. @ 10" or 5/8" DIA. @ 16"	415
E	7/16"			8d	2"	12"	1	3"		8"	8"		6/S2.3 or 6/S2.6	1/2" DIA. @ 8" or 5/8" DIA. @ 12"	535
F	7/16"		YES	8d	4"	12"	1,5,7	5"	2	7"	7"		7/S2.6	1/2" DIA. @ 12" or 5/8" DIA. @ 18"	640
G	7/16"		YES	8d	3"	12"	1,5,7	4"	2	5-1/2"	5-1/2"		7/S2.6	1/2" DIA. @ 10" or 5/8" DIA. @ 15"	830
H	7/16"		YES	8d	2"	12"	2	3"	2	4-1/2"	4-1/2"		7/S2.6	1/2" DIA. @ 8" or 5/8" DIA. @ 10"	1100
J	19/32"		YES	10d	2"	12"	3	2"	2	4-1/2"			7/S2.6	1/2" DIA. @ 6" or 5/8" DIA. @ 8"	1460

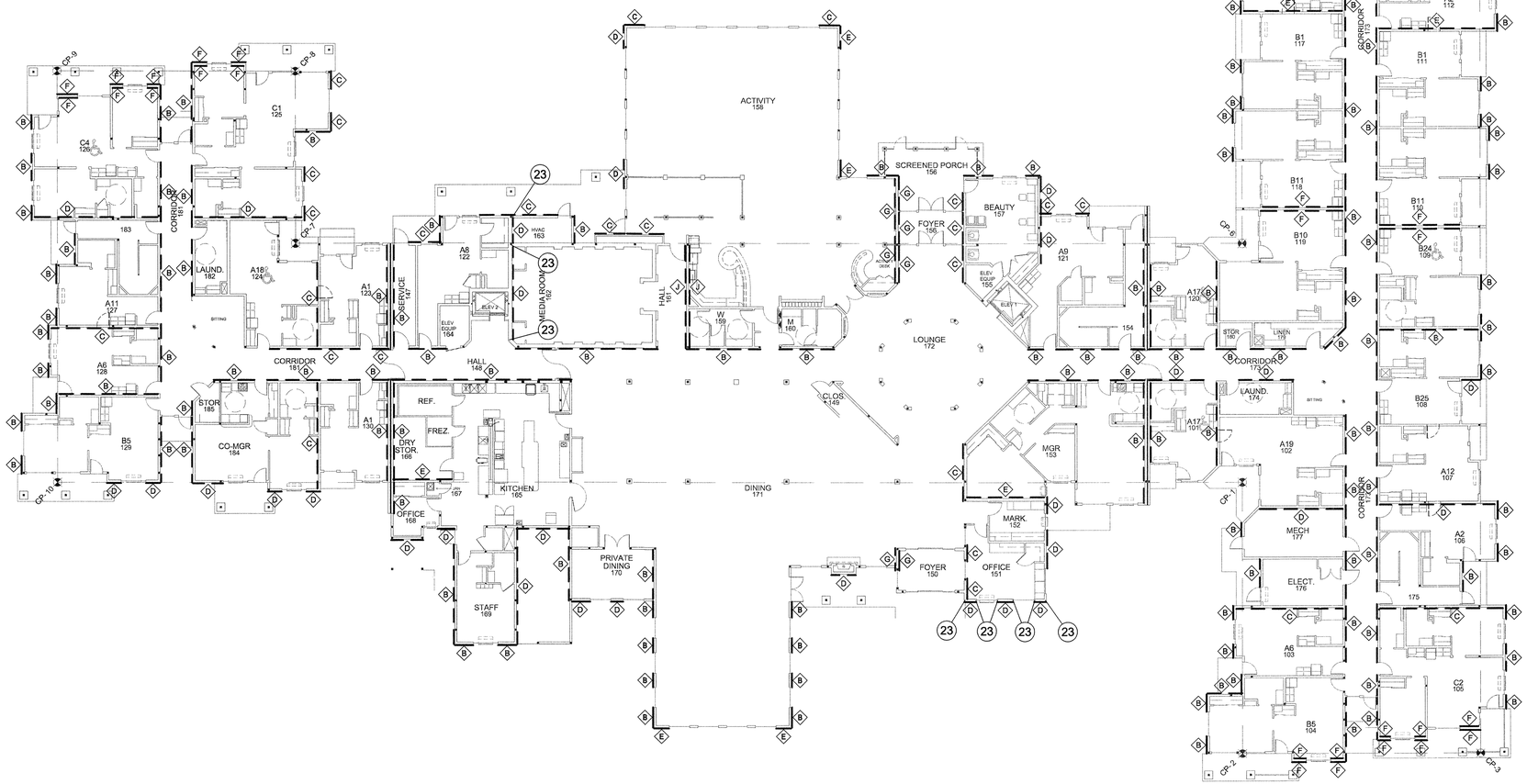
NOTE: SHEARWALL TYPES "F" - "J" ARE ON BOTH SIDES OF WALL.

KEY NOTES

1. 3x STUDS AT ADJOINING PLY'WD PANEL EDGES.
2. 3x STUDS AND SILL PLATES. STAGGER PLY'WD PANEL EDGES.
3. 3x DF/L STUDS AND SILL PLATES. STAGGER PLY'WD PANEL EDGES.
4. 5/8" GYPSUM SHEATHING TO BE SECURED WITH 6d COOLER NAILS OR #6-1|" TYPE "W" OR "S" SCREWS DIRECTLY TO STUDS.
5. PLY'WD PANEL EDGES ARE TO BE STAGGERED TO FALL ON DIFFERENT FRAMING MEMBERS.
6. NAILS ARE TO BE COMMON or HOT DIPPED GALVINIZED U.O.N.
7. 3x SILL PLATES REQUIRED AT FOUNDATION ONLY.

SHEAR PANEL NOTES

* SHEAR VALUES ARE ADJUSTED FOR SPRUCE-PINE-FIR STUDS @ 16" oc U.O.N.
* ALL APA SHEATHING SHEARWALLS TO BE BACKED WITH 2" NOMINAL OR WIDER FRAMING.
* WHEN APA RATED PANELS ARE INSTALLED TO BOTH SIDES OF WALL PANEL JOINTS OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS.
* NAILING NOT TO PENETRATE THE OUTER VENEER LAYER.
* WHEN USING A NAIL GUN, CONTRACTOR SHALL ENSURE THAT GUN IS SET TO INSTALL NAIL SLIGHTLY PROUD OF SURFACE BEING NAILED. NAIL SHALL THEN BE SET BY HAMMER. DO NOT ALLOW NAIL TO OVER PENETRATE WOOD SURFACE ESPECIALLY ON SHEARWALLS.
* ALL EDGES ON APA RATED PANELS TO BE BLOCKED TO MAINTAIN STRENGTH.
* ALL PANELS LISTED MAY NOT BE USED ON ALL PROJECTS. REFER TO THE SHEARWALL LAYOUT PLANS FOR SIZE, TYPE AND LOCATION OF PANELS.
* GYPSUM WALLBOARD LOAD IS REDUCED IN HIGH SEISMIC LOCATIONS.
* SEE DETAIL #14/S2.5 FOR STAPLES TO NAIL EQUIVALENT TABLE.
* 7/16 OSB (PS2-92 GRADE) MAY BE USED IF APPLIED DIRECTLY TO FRAMING WHEN STUDS ARE SPACED A MAXIMUM OF 16" o.c. OR PANELS ARE APPLIED WITH LONG DIMENSION ACROSS STUDS. 15/32 OSB SHALL BE USED WHEN STUDS ARE SPACED A MAXIMUM OF 24" o.c.
* USE EITHER 16d NAILS OR 'LTP4' CLIPS WHEN SHT'G IS ATTACHED TO LOWER TOP PLATE.
* ALL ANCHOR BOLTS AT SHEARWALLS TO HAVE A 3x3x1/4 THICK PLATE WASHER.



SEE S1.1 - S1.3 FOR ADDITIONAL FOUNDATION LOCATION AND INFORMATION. SEE S1.4 - S1.6 FOR ADDITIONAL FRAMING MEMBERS LOCATION AND INFORMATION.

SEE DETAIL 1 AND 3 ON S2.3 FOR ALLOWABLE BORING / NOTCHING OF MEMBERS.

-- SHEARWALLS ARE FROM FOUNDATION TO 2ND FLOOR / LOWER ROOF

1ST FLOOR SHEARWALL PLAN

SCALE: 1/16"=1'-0"

STATE OF MAINE — Daniel S. Green — No. 8895 — PROFESSIONAL ENGINEER — 10/9/15

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1ST FLOOR SHEARWALL PLAN

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DATE 8/28/2015

REVISED DATE
1 9/22/2015

SHEET S0.2

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