COLUMN SCHEDULE MATERIAL BASEPLATE SPF #1/#2 OR BETTER SPF #1/#2 OR BETTER SPF #1/#2 OR BETTER 5 **** 6x8 ASTM A500 3-1/2x3-1/2x1/4" 9-1/2"x0'-91/2x3/4"

4x4x1/4" 10"x0'-10"x3/4" 10"x0'-10"x3/4" 4x4x5/16" 4x4x3/8" 10"x0'-10"x3/4" 5x5x3/8" 11"x0'-11"x3/4" 5x5x1/4" 11"x0'-11"x3/4" 6x6x5/16" 12"x12"x3/4" 14"x14"x3/4" 8x8x1/4"

C12 ASTM A500 JOIST SCHEDULE JOISTS ARE USE SPACING JOIST MATERIAL 24" oc 9-1/2" DEPTH REDBUILT RED-145 24" oc 18" DEPTH REDBUILT RED-190 16" oc REDBUILT RED-190 18" DEPTH 19.2" oc DBL. 18" DEPTH REDBUILT RED-190 24" oc REDBUILT RED-190 18" DEPTH (multi-span) DBL. 9-1/2" DEPTH 16" oc REDBUILT RED-145 12" oc REDBUILT RED-145 9-1/2" DEPTH DBL. 18" DEPTH 16" oc REDBUILT RED-190 24" oc DBL. 18" DEPTH REDBUILT RED-190 24" oc

(NOTE NOT ALL RAFTERS ARE USED) RAFTER SCHEDULE RAFTER MATERIAL SIZE/SPAN* SPACING 24" oc SPF #1/#2 2x12, 8'-6" SPAN SPF #1/#2 16" oc 2x12, 11'-6" SPAN 24" oc 11-7/8" DEPTH REDBUILT RED-190 **DBL 11-7/8" DEPTH** 19.2" oc 24" oc SPF #1/#2 2x6, 7'-6" SPAN

* SPAN IS APPROXIMATE VERIFY IN FIELD NOT ALL JOISTS LISTED MAY BE USED. (verify per plans.)

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

OF MEMBERS.

COL

C2

C4

C5

ASTM A500

ASTM A500

ASTM A500

ASTM A500

ASTM A500

ASTM A500

SHEARWALL SCHEDULE SHT'G. TYPE SHT'G. NAIL FLR. TO FLR. SHEARWALL TO INFO. CONNECTION & THICKNESS CONC. CONN. ALL ANCHOR BOLTS TO BE 10 ANCHOR BOLT DIA. 6/S2.3 1/2" DIA. @ 36" 5/S2.6 5/8" DIA. @ 48" ୍ର 6/S2.3 | 1/2" DIA. @ 24" # 6/S2.6 5/8" DIA. @ 36" 띧6/S2.3 1/2" DIA. @ 10" wor or 6/S2.6 5/8" DIA. @ 16" ₹6/S2.3 1/2" DIA. @ 8" 6/S2.6 5/8" DIA. @ 12" 1/2" DIA. @ 12" 5/8" DIA. @ 18" 1/2" DIA. @ 10" 5/8" DIA. @ 15" 1/2" DIA. @ 8" 5/8" DIA. @ 10" 1/2" DIA. @ 6"

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

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 * 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. <u>DO NOT</u> 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 * ALL ANCHOR BOLTS AT SHEARWALLS TO HAVE A 3x3x1/4 THICK PLATE WASHER.

5/8" DIA. @ 8"

2ND FLOOR WING 'C' FRAMING PLAN SCALE: 1/8"=1'-0"

STRUCTURAL LEGEND: 2x6 AT 16" O.C. BEARING DETAIL SHEARWALL ON WALL SHOWN REFERENCE SHEAR PANEL ON DASHED SIDE WALL U.N.O. 2x8 BEARING WALL PER PLAN STRUCT. NOTE HOLDOWN REF. SYSTEM REFERENCE 11) (SEE S2.7a & S2.7b) SEE DETAILS 2x10 AT 24" O.C. BEARING WALL **HEAT PUMP UNIT** 10,17/S2.2 FOR FT'G HALF HIGH WALL PER PLAN FIRE WALL/FIRE BARRIER STRUCT MEMBER (SEE BELOW) WB - STARTS AT WOOD BEAM HORIZONTAL EXIT R = RAFTERS SB - STARTS AT STEEL BEAM J = FLOOR JOISTS WOOD COLUMN CJ = CEILING JOISTS DESIGNATION HOLDOWN REFERENCE(SEE 1/S2.4) FRAMING DIRECTION TUBE STEEL COLUMN S = SINGLE CS16x49" LONG STRAP - FRAMING TYPE w/ (22) 10d PER STRAP DESIGNATION S2 = DBL. CS16x49" LONG STRAP C2 COLUMN REF. w/ (22) 10d PER STRAP

- EXTENT OF FRAMING P1 COLUMN PAD TAG S3 = TRIPLE CS16x49" LONG STRAP w/ (22) 10d PER STRAP SINGLE JOIST / TRUSS F-1 FOOTING TAG S4 = TRIPLE CS14x57" LONG STRAP = DBL. JOIST / VLY. TRUSS HIP w/ (30) 10d PER STRAP TRUSS / GIRDER TRUSS

STRUCTURAL FRAMING NOTES

SIMPSON SSU HANGERS. CONNECT JACK TRUSS TOP AND BOTTOM CHORD, OR 12 2HR STAIR, ELEVATOR AND CHASE FRAMING, SEE 17, 18 AND 19 ON S2.9 RAFTER AND CLG JOISTS (WHERE STICK FRAMING IS USED) TO CARRY TRUSS.

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.

SPACE JOISTS 32" FOR H.V.A.C. SUPPORT FLOOR SHEATHING w/ FLAT 4x12 @ 24" o.c. w/ Z2 CLIPS THIS LOCATION. (TYP.) TRUSSES BEAR ON EXTERIOR WALL AND CANTILEVER OVER TOP FLOOR DECKS. SIMPSON H1 EACH TRUSS CANTILEVERED.

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.

 $\fbox{8}$ 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

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,

UNDER SIDE OF ROOF SHEATHING. USE SAME WALL TYPE AS USED ON THIRD

ON SHAFT AND CORRIDOR. (11) GIRDER TOP AND BOTTOM CHORDS TO MATCH STICK FRAMING 13 FIRE BARRIER WALL SEE DETAIL 15 AND 16 ON S2.9

 $\langle 14 \rangle$ DRAG STRUTS - REFER TO STRUC. DETAIL 8 /S2.6, DRAG STRUT @ FLOOR. $\langle 15
angle$ DRAG STRUTS - REFER TO STRUC. DETAIL 9 /S2.6, DRAG STRUT @ FLOOR.

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. 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.

LOCATION OF FUTURE DOOR 14'-6" FROM CORRIDOR SIDE OF WALL OR 6" AWAY FROM NEAREST WALL (PROVIDE DOOR HEADER IN FRAMING SEE DETAIL $\langle 19 \rangle$ SCISSORS TRUSSES TO BARE ON BEAMS. DO NOT HANG TRUSSES FROM BEAM)

|20
angle (1)-MST72 STRAPS BM TO DBL TOP PLATE/TRUSS OR BEAM TO BEAM

1 (2)-MST72 STRAPS BM TO DBL TOP PLATE. W/ (56)-16d NAILS MITER BEAMS AT CORNERS OR PROVIDE (2) SIMPSON HGA10 ANGLES TOP AND BOTTOM. (AT ELEVATOR)

PROVIDE BLK'G FOR KITCHEN HOOD. COORDINATE W/ KITCHEN EQUIP.

(23) SUPPLIER FOR LOCATION OF BLK'G. 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 1. HEIGHT OF TOP PLATE 9'-1" U.O.N.

2. STRUCTURAL MEMBER MATERIALS - GLB = 24F-V4 (DF/DF) - CONT GLB = 24F-V8 (DF/DF)- DBM = (3) 2x12 #1/#2 SPF or 3-1/8x12 G.L.B.< 12'-0" 12'-0" < 5-1/8x12" GLB 12'-0" < 20'-0" - HDR 0" SPAN 6'-0" (3)2x10" #1/#2 SPF - HDR 6'-1" SPAN 9'-0" (3)2x12" #1/#2 SPF

3. REFER TO SHEET S2.1 FOR ASSEMBLY OF BUILT-UP COLUMNS AND MULTIPLE LAMINATED VENEER (LVL) MEMBERS. 4. TRUSSES ARE TO BE ALIGNED ON BOTH SIDES OF THE CORRIDOR. ADJUST SPACING OF TRUSSES AS REQUIRED. 5. PROVIDE ADDITIONAL TRUSS OVER

SHEARWALLS THAT ARE PARALLEL TO 6. ALL 36" DOOR HEADERS TO BE (3) 2x10 U.O.N. ALLOWABLE HOLES IN STRUC. MEMBERS. NO HOLES ARE TO BE PUT IN LVL MATERIALS

WITHOUT ENGINEERS APPROVAL. 8. BOTTOM OF BEAM ELEVATION AT TOP PLATE U.O.N.

9. REFER TO DETAILS #4 & #9 ON S2.3 FOR HEADER DETAILS. 10. TOP PLATE CONTINUITY IN SHEAR AND LOAD-BEARING WALLS TO BE MAINTAINED PER DETAIL #14 ON S2.3.

11. ALL TRUSSES ARE @ 24" oc U.O.N. 12.BRACE TOP OF ALL INTERIOR NON-BEARING WALLS ACCORDING TO DETAIL 15/S2.5 AND 7/S3.3

13.ROOF AND FLOOR SHEATHING GRADE PER S2.1 AND NAILING REQUIREMENTS PER DETAIL 16/S2.5 SEE DETAIL #1/S3.3 FOR NAIL LOCATIONS

14.(2) 2x6 POST @ ALL GIRDER TRUSS BEARING (U.N.O.) 15.REFER TO 8/S3.0 FOR ELEC. PANEL

7. REFER TO DTLS. #1 & #3 ON S2.3 FOR

BEARING.

16.(3) 2x6 AT EA END OF DBM U.O.N. 17. ALL TRUSSES TO BE INSTALLED AND BRACED PER 'BCSI 1-03' 18. ALL BEAMS AT STAIRWELLS ARE NON STRUCTURAL (U.N.O.) 2x6 WALLS ARE

COL GENER

SIDENCE MAINE 04103

DATE 8/28/2015

REVISED DATE <u>/1\ 9/22/2015</u> 2 2/2/2016 <u>/5</u>\7/18/2016

SHEET