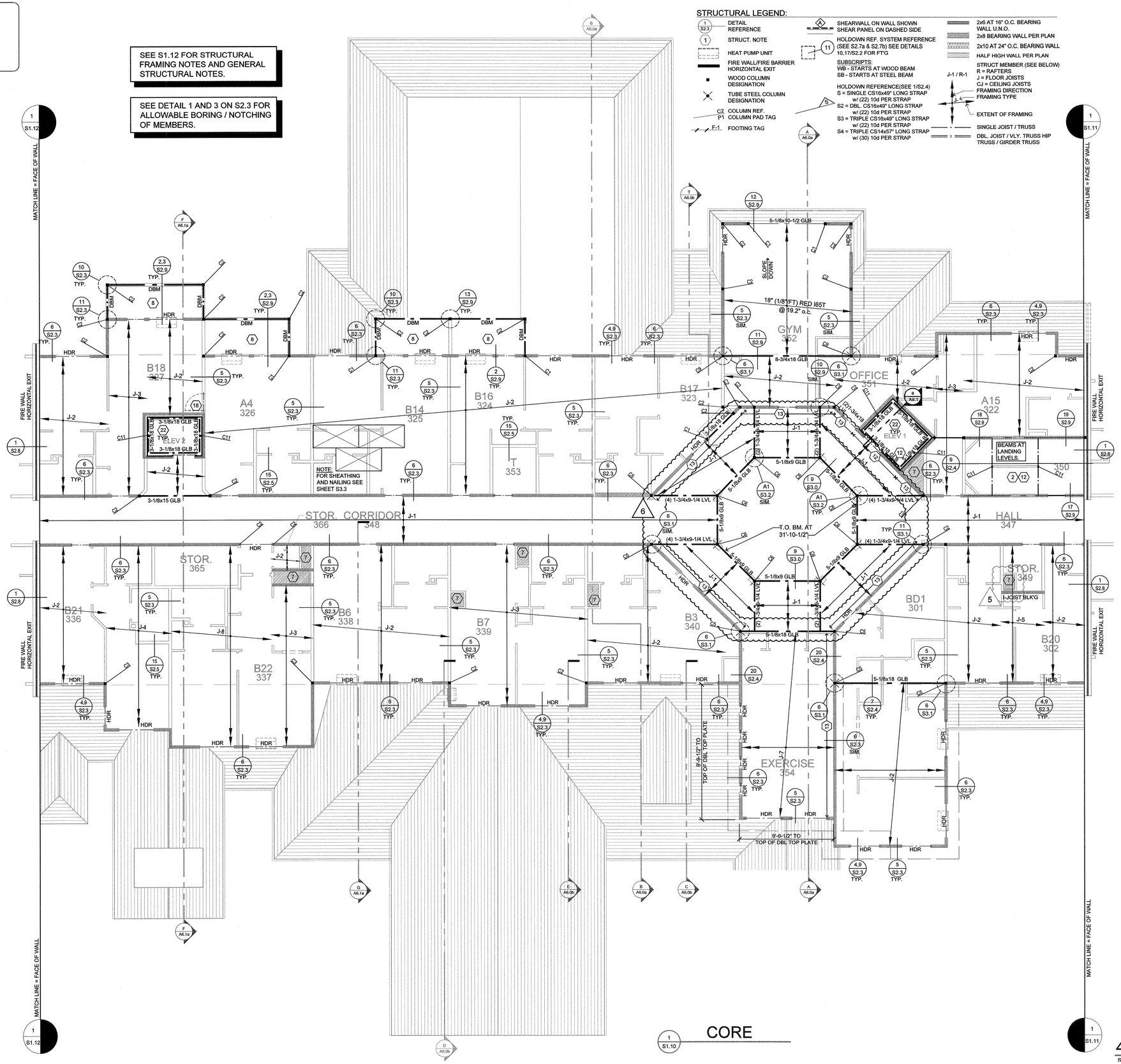
SEE S1.12 FOR STRUCTURAL FRAMING NOTES AND GENERAL STRUCTURAL NOTES.

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

STRUCTURAL LEGEND:

- DETAIL REFERENCE
- STRUCT. NOTE
- HEAT PUMP UNIT
- FIRE WALL/FIRE BARRIER HORIZONTAL EXIT
- WOOD COLUMN DESIGNATION
- TUBE STEEL COLUMN DESIGNATION
- COLUMN REF. / COLUMN PAD TAG
- FOOTING TAG
- SHEARWALL ON WALL SHOWN / SHEAR PANEL ON DASHED SIDE
- HOLDOWN REF. SYSTEM REFERENCE (SEE S2.7a & S2.7b) SEE DETAILS 10,17/S2.2 FOR FTG
- 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
- 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
- J-1 / R-1 FRAMING DIRECTION / FRAMING TYPE
- EXTENT OF FRAMING
- SINGLE JOIST / TRUSS
- DBL. JOIST / VLY. TRUSS HIP TRUSS / GIRDER TRUSS



CORE

4TH FLOOR CORE FRAMING PLAN

SCALE: 1/8"=1'-0"

COLUMN SCHEDULE

COL	MATERIAL	SIZE	BASEPLATE
C1	SPF #1/#2 OR BETTER DFL #2	(2) 2x6 4x6	
C2	SPF #1/#2 OR BETTER DFL #1	(3) 2x6 6x6	
C3	DFL #1	6x8	
C4	ASTM A500	3-1/2x3-1/2x1/4"	9-1/2"x0'-91/2x3/4"
C5	ASTM A500	4x4x1/4"	10"x0'-10"x3/4"
C6	ASTM A500	4x4x5/16"	10"x0'-10"x3/4"
C7	ASTM A500	4x4x3/8"	10"x0'-10"x3/4"
C8	ASTM A500	5x5x3/8"	11"x0'-11"x3/4"
C9	ASTM A500	5x5x1/4"	11"x0'-11"x3/4"
C10	ASTM A500	6x6x5/16"	12"x12"x3/4"
C11	SPF #1/#2 OR BETTER DFL #2	(4) 2x4 4x6	
C12	ASTM A500	8x8x1/4"	14"x14"x3/4"

JOIST SCHEDULE

(NOTE NOT ALL JOISTS ARE USED)

JOIST	MATERIAL	SIZE	SPACING
J-1	REDBUILT RED-I45	9-1/2" DEPTH	24" oc
J-2	REDBUILT RED-I90	18" DEPTH	24" oc
J-3	REDBUILT RED-I90	18" DEPTH	16" oc
J-4	REDBUILT RED-I90	DBL. 18" DEPTH	19.2" oc
J-5	REDBUILT RED-I90	18" DEPTH (multi-span)	24" oc
J-6	REDBUILT RED-I45	DBL. 9-1/2" DEPTH	16" oc
J-7	REDBUILT RED-I45	9-1/2" DEPTH	12" oc
J-8	REDBUILT RED-I90	DBL. 18" DEPTH	16" oc
J-9	REDBUILT RED-I90	DBL. 18" DEPTH	24" oc
CJ-1	SPF #1/#2	2x10	24" oc

RAFTER SCHEDULE

(NOTE NOT ALL RAFTERS ARE USED)

RAFTER	MATERIAL	SIZE/SPAN*	SPACING
R-1	SPF #1/#2	2x12, 8'-6" SPAN	24" oc
R-2	SPF #1/#2	2x12, 11'-6" SPAN	16" oc
R-3	REDBUILT RED-I90	11-7/8" DEPTH	24" oc
R-4	REDBUILT RED-I90	DBL 11-7/8" DEPTH	19.2" oc
R-5	SPF #1/#2	2x6, 7'-6" SPAN	24" oc

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

SHEARWALL SCHEDULE

SHEARWALL MARK	SHT'G. TYPE & THICKNESS: APA	WALL BD.	BOTH SIDES	SHT'G. NAIL INFO. (SEE NOTE 6): NAIL TYPE	EDGE o.c.	FIELD o.c.	KEY NOTES	FLR. TO FLR. CONNECTION (16d NAILS): NAILING	ROWS	LTP4 OR KA5		JSTS. PERP. TO WALL (SEE DET. #3):	SHEARWALL TO CONC. CONN. (ALL ANCHOR BOLTS TO BE 10"): ANCHOR BOLT DIA. & SPACING @ " oc	LOAD (pf)
										oc	oc			
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"		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.

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4TH FLOOR CORE FRAMING PLAN

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SHEET S1.10