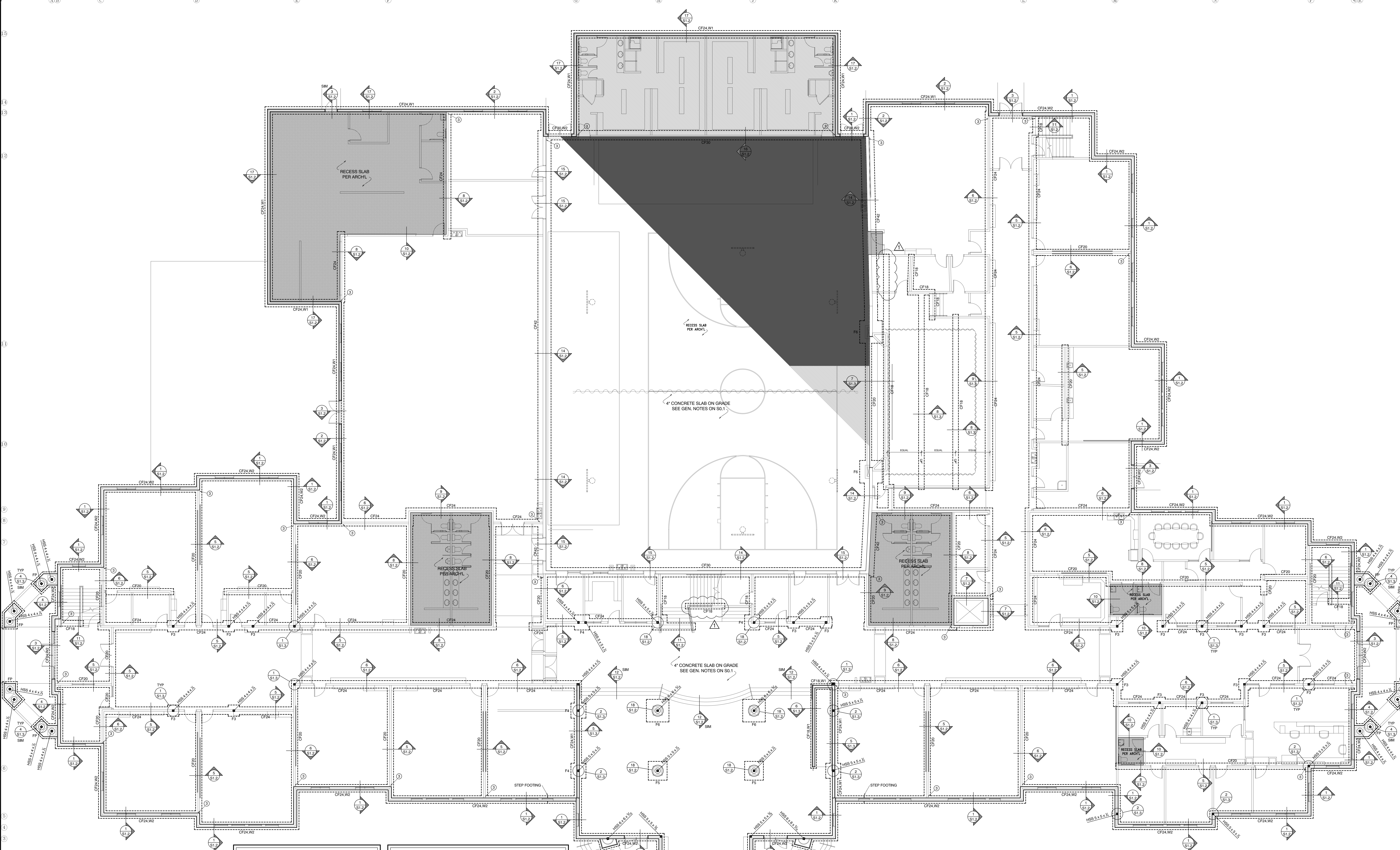


## **Anexo 2**

### **Planos de Estrutura**

THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.



FOUNDATION SCHEDULE				
MARK	WALL WIDTH	WALL HEIGHT	VERT. REINFORCING SIZE SPACING	HORIZ. REINFORCING SIZE SPACING
W1	8"	4'-0" MAX	#4 18" O.C.	#4 18" O.C.
W2	10"	4'-0" MAX	#4 18" O.C.	#4 18" O.C.
W3	12"	4'-0" MAX	#4 18" O.C.	#4 18" O.C.
W4	14"	4'-0" MAX	#4 18" O.C.	#4 18" O.C.

FOOTING SCHEDULE											
MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSS-WISE				REINFORCING LENGTH-WISE			
				No.	SIZE	LENGTH	SPACING	No.	SIZE	LENGTH	SPACING
CF18	18"	CONT	10"	-	-	-	-	(2)	#4	CONT	EQUAL
CF20	20"	CONT	12"	-	-	-	-	(2)	#4	CONT	EQUAL
CF24	24"	CONT	12"	-	-	-	-	(2)	#4	CONT	EQUAL
CF30	30"	CONT	12"	(1)	#4	2'-0"	18" O.C.	(4)	#4	CONT	EQUAL
CF42	42"	CONT	12"	(1)	#4	3'-0"	12" O.C.	(5)	#4	CONT	EQUAL
F3	3'-0"	3'-0"	12"	(4)	#4	2'-0"	18" O.C.	(4)	#4	CONT	EQUAL
F4	4'-0"	4'-0"	12"	(5)	#4	3'-0"	12" O.C.	(5)	#4	CONT	EQUAL
F5	5'-0"	5'-0"	12"	(6)	#5	4'-0"	12" O.C.	(6)	#5	4'-0"	EQUAL
F6	6'-0"	6'-0"	12"	(8)	#5	5'-0"	12" O.C.	(8)	#5	5'-0"	EQUAL
FP	PIER + 12"	12"	-	#4	PIER + 6"	10" O.C.	-	#4	PIER + 6"	10" O.C.	-

\* (2) MATS OF REINFORCING BOTH AS CALLED OUT ABOVE  
 PLACE (2) #4 HORIZ. BARS AT TOP & BOTTOM OF WALL CONTINUOUS, TYPICAL.  
 RECESS TOP OF WALL AT OPENINGS & POUR SLAB THROUGH. SEE DETAILS.

**FOUNDATION NOTES**

- FOR GENERAL CONCRETE NOTES, SEE S0.1
- PROVIDE CONTROL JOINTS IN SLAB AS PER 13' S1.2
- EPOXY ALL HORIZONTAL REINFORCING INTO CONCRETE, UNLESS JOINED BY CONTINUOUS FOOTING
- ALL FOOTINGS MUST BE PLACED ON 16" MIN. OF PROPERLY PREPARED STRUCTURAL FILL PER SOILS REPORT AND GENERAL CONCRETE NOTES
- SEE SHEARWALL PLANS FOR REQUIRED ANCHOR BOLTS AND HOLD DOWNS
- SHADING INDICATES RECESSED SLAB PER ARCHT.

**PERMIT SET #2**  
 09/17/2013

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▲	09/17/2013

**DYNAMIC STRUCTURES**  
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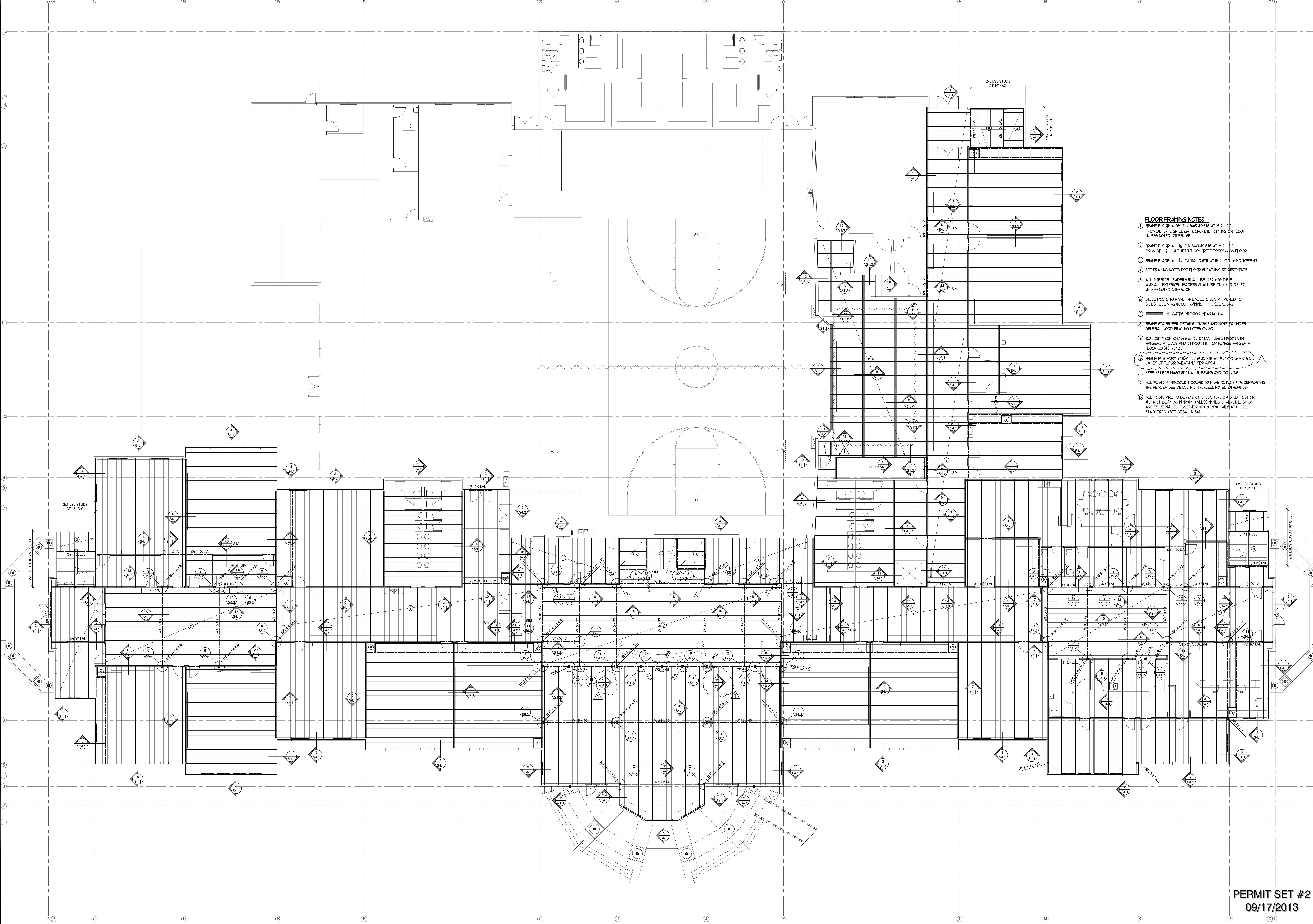
**KEN FARRIS ARCHITECT**  
 3400 NORTH UNIVERSITY AVENUE SUITE 2000 PROVO UT 84604 PHONE 801 371-5303

**PROVIDENCE HALL HIGH SCHOOL**  
 HERRIMAN UTAH  
**FOOTING AND FOUNDATION PLAN**

DRAWN: G.R.J.  
 CHECKED: G.R.J.  
 DATE: AUGUST 22, 2013  
 SCALE: 1/8" = 1'-0"  
 JOB NO: 13-089

SHEET **S1.1**

THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.



- FLOOR FRAMING NOTES**
1. FRAME FLOOR w/ 30" T/1" 560 JOISTS AT 19.2" O.C. PROVIDE 1 1/2" LIGHTWEIGHT CONCRETE TOPPING ON FLOOR UNLESS NOTED OTHERWISE.
  2. FRAME FLOOR w/ 11 3/4" T/1" 560 JOISTS AT 19.2" O.C. PROVIDE 1 1/2" LIGHTWEIGHT CONCRETE TOPPING ON FLOOR UNLESS NOTED OTHERWISE.
  3. FRAME FLOOR w/ 11 3/4" T/1" 710 JOISTS AT 19.2" O.C. w/ NO TOPPING.
  4. SEE FRAMING NOTES FOR FLOOR SHEATHING REQUIREMENTS.
  5. ALL INTERIOR HEADERS SHALL BE (2) 2 x 10 DF #2 AND ALL EXTERIOR HEADERS SHALL BE (3) 2 x 10 DF #2 UNLESS NOTED OTHERWISE.
  6. STEEL POSTS TO HAVE THREADED STUDS ATTACHED TO SIDES RECEIVING WOOD FRAMING (TYP) SEE 9/ S4.2.
  7. [Symbol] INDICATES INTERIOR BEARING WALL.
  8. FRAME STAIRS PER DETAILS F-3/ S4.2 AND NOTE 9/2 UNDER GENERAL WOOD FRAMING NOTES ON 501.
  9. BOX OUT MECH CHASES w/ (2) 18" LVL. USE SIMPSON U44 HANGERS AT LVL.4 AND SIMPSON HIT TOP FLANGE HANGER AT FLOOR JOISTS (3/30).
  10. FRAME PLATFLOOR w/ 11 3/4" T/1" 560 JOISTS AT 19.2" O.C. w/ EXTRA LAYER OF FLOOR SHEATHING PER ARCH.
  11. SEE S3 FOR MASONRY WALLS, BEAMS AND COLLARS.
  12. ALL POSTS AT WINDOWS & DOORS TO HAVE (2) K3. (U) TR SUPPORTING THE HEADER SEE DETAIL V S4.1 UNLESS NOTED OTHERWISE!
  13. ALL POSTS ARE TO BE (2) 2 x 6 STUDS (3) 2 x 4 STUD POST OR BOTH OF BEAM AS MINIMUM UNLESS NOTED OTHERWISE! STUDS ARE TO BE NAILED TOGETHER w/ #4 BOX NAILS AT 6" O.C. STAGGERED (SEE DETAIL V S4.1).

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**DYNAMIC STRUCTURES**  
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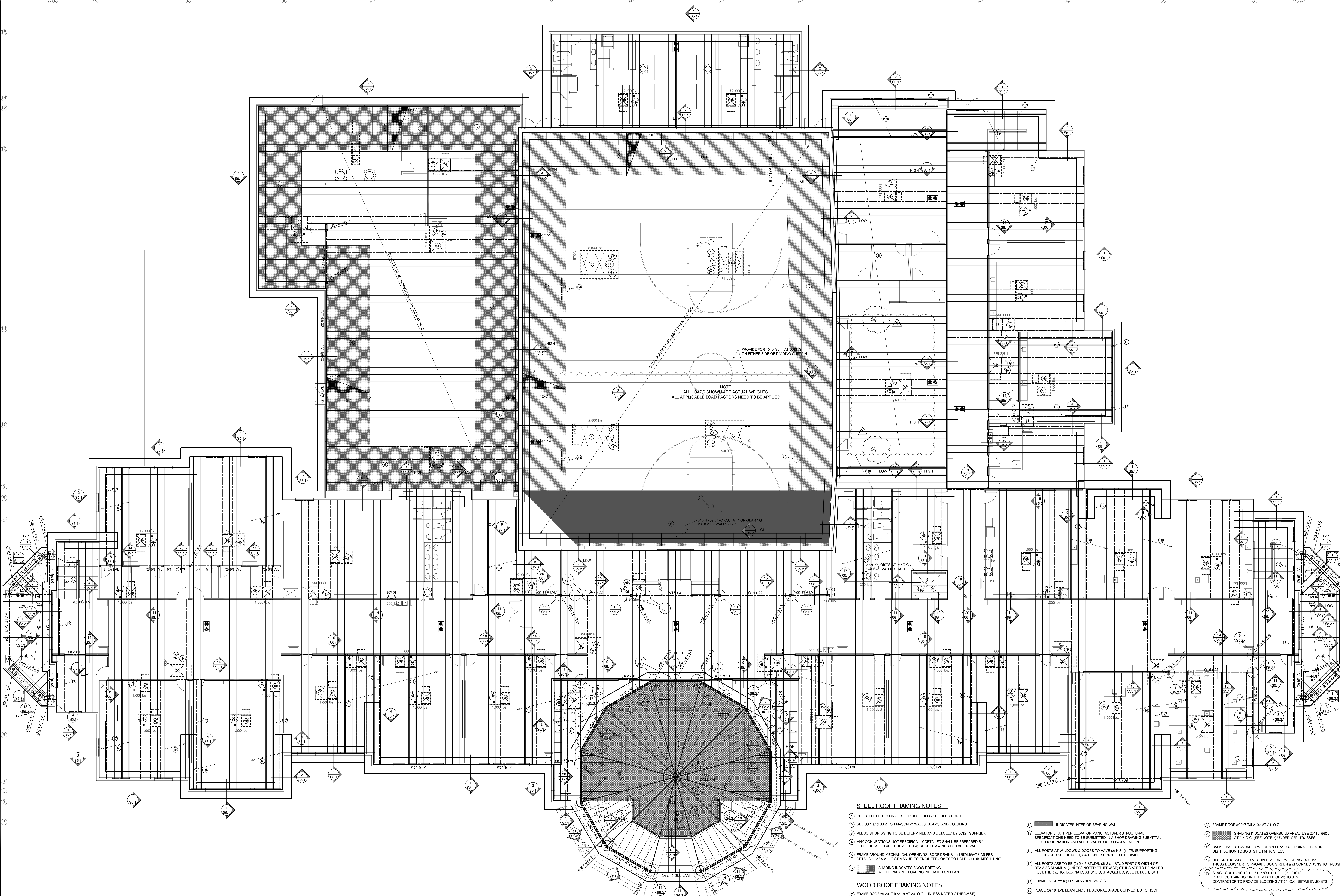
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**PROVIDENCE HALL HIGH SCHOOL**  
HERRIMAN SECOND FLOOR FRAMING PLAN UTAH

DRAWN: G.R.J.  
CHECKED: G.R.J.  
DATE: AUGUST 22, 2013  
SCALE: 1/8" = 1'-0"  
JOB NO: 13-089

SHEET  
**S2.1**

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NOTE:  
ALL LOADS SHOWN ARE ACTUAL WEIGHTS.  
ALL APPLICABLE LOAD FACTORS NEED TO BE APPLIED

**STEEL ROOF FRAMING NOTES**

- 1 SEE STEEL NOTES ON SS.1 FOR ROOF DECK SPECIFICATIONS
- 2 SEE SS.1 AND SS.2 FOR MASONRY WALLS, BEAMS, AND COLUMNS
- 3 ALL JOIST BRIDGING TO BE DETERMINED AND DETAILED BY JOIST SUPPLIER
- 4 ANY CONNECTIONS NOT SPECIFICALLY DETAILED SHALL BE PREPARED BY STEEL DETAILER AND SUBMITTED W/ SHOP DRAWINGS FOR APPROVAL
- 5 FRAME AROUND MECHANICAL OPENINGS, ROOF DRAINS AND SKYLIGHTS AS PER DETAILS 1-3 SS.2. JOIST MANUF. TO ENGINEER JOISTS TO HOLD 2000 LB. MECH. UNIT
- 6 SHADING INDICATES SNOW OR RAIN LOADING AT THE PARAPET LOCATIONS INDICATED ON PLAN
- 7 FRAME ROOF W/ 20' T.J. 560'S AT 24" O.C. (UNLESS NOTED OTHERWISE)
- 8 FRAME ROOF W/ 20' T.J. 560'S AT 19.2' O.C.
- 9 SEE FRAMING NOTES ON SS.1 FOR ROOF SHEATHING REQUIREMENTS
- 10 ALL INTERIOR HEADERS SHALL BE (3) 2 x 10 D.F. #2 and ALL EXTERIOR HEADERS SHALL BE (3) 2 x 10 D.F. #2 (UNLESS NOTED OTHERWISE)
- 11 ALL WALLS TO BE FRAMED AS INDICATED ON GENERAL FRAMING NOTES ON SHEET SS.1 (UNLESS NOTED OTHERWISE)
- 12 SHADING INDICATES OVERLAP AREA. USE 20' T.J. 560'S AT 24" O.C. (SEE NOTE 7) UNDER MFR. TRUSSES
- 13 ELEVATOR SHAFT PER ELEVATOR MANUFACTURER STRUCTURAL SPECIFICATIONS NEED TO BE SUBMITTED IN A SHOP DRAWING SUBMITTAL FOR COORDINATION AND APPROVAL PRIOR TO INSTALLATION
- 14 ALL POSTS AT WINDOWS & DOORS TO HAVE (3) K.S. (1) TR. SUPPORTING THE HEADER SEE DETAIL 1/34.1 (UNLESS NOTED OTHERWISE)
- 15 ALL POSTS ARE TO BE (2) 2 x 6 STUDS. (3) 2 x 4 STUD POST OR WIDTH OF BEAM AS MINIMUM (UNLESS NOTED OTHERWISE) STUDS ARE TO BE NAILED TOGETHER W/ THE BOX WALS AT 6" O.C. STAGGERED. (SEE DETAIL 1/34.1)
- 16 FRAME ROOF W/ (2) 20' T.J. 560'S AT 24" O.C.
- 17 PLACE (3) 18' LVL BEAM UNDER DIAGONAL BRACE CONNECTED TO ROOF
- 18 MECHANICAL OPENINGS AND HATCHES FRAMED OUT OF (2) 18' LVL BEAMS. SUPPORT T.J. JOISTS AND BEAMS USING BRIMSON MIT HANGERS
- 19 FRAME ROOF W/ (2) 20' T.J. 560'S AT 19.2' O.C.
- 20 MECHANICAL OPENINGS FRAMED W/ (2) 18' LVL SHORT BEAMS AND (3) 18' LVL LONG BEAMS. SUPPORT JOISTS AND SHORT BEAMS USING BRIMSON MIT HANGERS
- 21 WB. #31 ELEVATOR HOIST BEAM INSTALLED AT ELEVATION AND DIRECTION INDICATED BY ELEVATOR INSTALLER
- 22 BASKETBALL STANDARDS WEIGHS 900 LBS. COORDINATE LOADING DISTRIBUTION TO JOISTS PER MFR. SPECS.
- 23 DESIGN TRUSSES FOR MECHANICAL UNIT WEIGHING 1400 LBS. TRUSS DESIGNER TO PROVIDE BOX GROUND AND CONNECTIONS TO TRUSSES
- 24 STAGE CURTAIN ROD TO BE SUPPORTED OFF OF JOISTS. PLACE CURTAIN ROD IN THE MIDDLE OF (2) JOISTS. CONTRACTOR TO PROVIDE BLOCCING AT 24" O.C. BETWEEN JOISTS

**WOOD ROOF FRAMING NOTES**

- 12 INDICATES INTERIOR BEARING WALL
- 13 SHADING INDICATES OVERLAP AREA. USE 20' T.J. 560'S AT 24" O.C. (SEE NOTE 7) UNDER MFR. TRUSSES
- 22 BASKETBALL STANDARDS WEIGHS 900 LBS. COORDINATE LOADING DISTRIBUTION TO JOISTS PER MFR. SPECS.
- 23 DESIGN TRUSSES FOR MECHANICAL UNIT WEIGHING 1400 LBS. TRUSS DESIGNER TO PROVIDE BOX GROUND AND CONNECTIONS TO TRUSSES
- 24 STAGE CURTAIN ROD TO BE SUPPORTED OFF OF JOISTS. PLACE CURTAIN ROD IN THE MIDDLE OF (2) JOISTS. CONTRACTOR TO PROVIDE BLOCCING AT 24" O.C. BETWEEN JOISTS

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09/17/2013

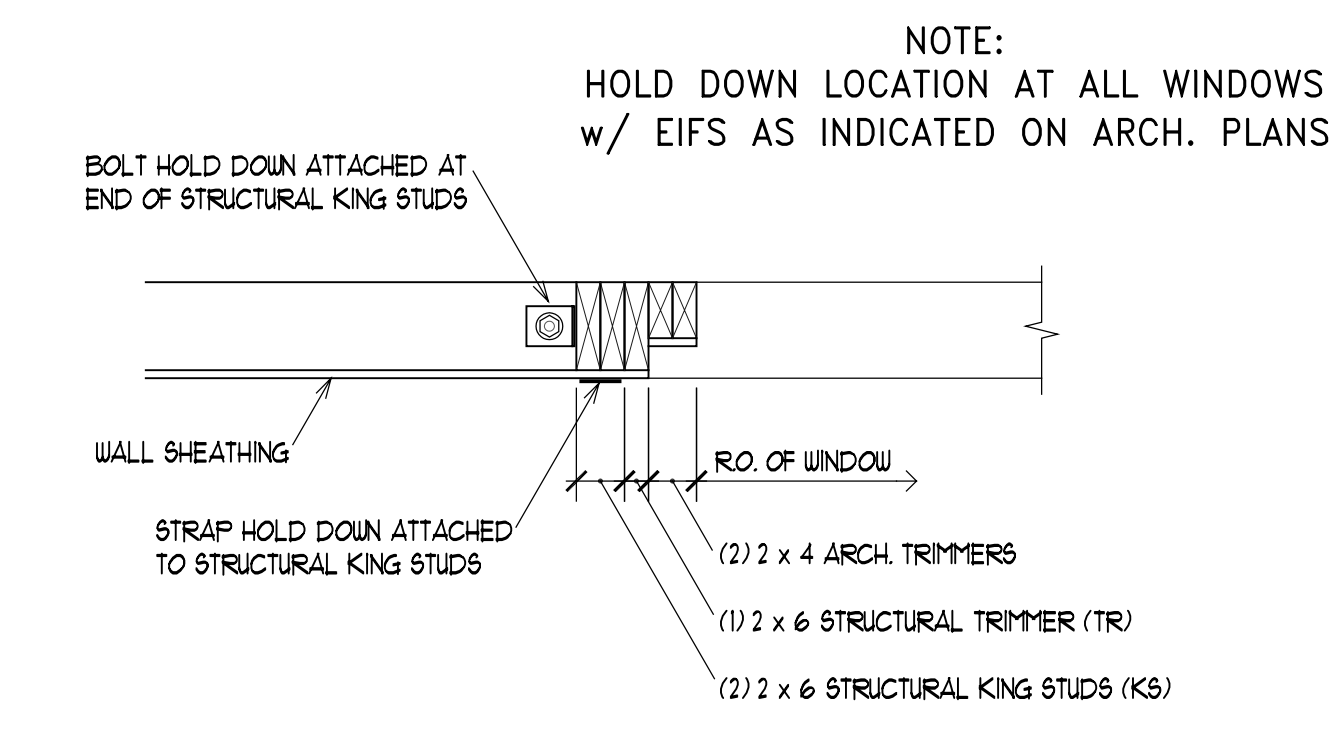
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**PROVIDENCE HALL HIGH SCHOOL**  
HERRIMAN  
**ROOF FRAMING PLAN**  
UTAH

DRAWN: G.R.J.  
CHECKED: G.R.J.  
DATE: AUGUST 22, 2013  
SCALE: 1/8" = 1'-0"  
JOB NO: 13-089  
SHEET: S2.2



**CONSTRUCTION DETAIL**  
NO SCALE

NOTE:  
SEE SHEET S0.2 FOR MASONRY  
WALL AND BEAM SCHEDULE

HOLD DOWN SCHEDULE					
MARK	HOLD-DOWN	ATTACHMENT TO STUDS	FOUNDATION ANCHORS	MINIMUM STUDS	REMARKS
AA	SIMPSON M5T48	(34) 1/4" SINKERS	N.A.	(2) 2 x 6	SEE DETAIL 1/ S3.3
BB	SIMPSON 5HD14	(38) 1/4" SINKERS	CAST IN PLACE	(2) 2 x 6	SEE DETAIL 2/ S3.3
CC	SIMPSON HDUB-S050-5	(44) S05 1/2" x 3 1/2" SCREWS	1/2" DIA. ALL THREAD	4 x 6	SEE DETAIL 3/ S3.3
DD	SIMPSON M5T60	(48) 1/4" SINKERS	N.A.	(2) 2 x 6	SEE DETAIL 4/ S3.3
EE	SIMPSON HDUB-S050-5	(48) 1/4" SINKERS	N.A.	(2) 2 x 6	SEE DETAIL 4/ S3.3

- ALL ANCHORS ARE SIMPSON STRONG-TIE (OR EQUAL)
- INSTALLATION OF ALL HOLD-DOWN ANCHORS AND STRAPS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS
- PROVIDE EDGE NAILING ALONG STUDS CONNECTED TO HOLD-DOWN ANCHORS AND STRAPS
- SEE SPECIAL INSPECTION PAGE FOR ADDITIONAL REQUIREMENTS (NOT APPLICABLE TO RESIDENTIAL PROJECTS)

SHEAR WALL SCHEDULE							
MARK	PANEL GRADE	PANEL THICKNESS	PANEL EDGE NAILING	PANEL FIELD NAILING	STUDS AT ADJOINING PANEL EDGES	ANCHOR BOLTS AT FOUNDATION LEVEL	BILL PLATE AT FOUNDATION
A	APA EXP. 1	3/4"	8d AT 6" O.C.	8d AT 2' O.C.	2 x 6	3/8" DIA. x 10" AT 32" O.C.	2 x 6 TREATED
B	APA EXP. 1	3/4"	8d AT 4" O.C.	8d AT 2' O.C.	2 x 6	3/8" DIA. x 10" AT 32" O.C.	2 x 6 TREATED
C	APA EXP. 1	3/4"	8d AT 3" O.C.	8d AT 2' O.C.	3 x 6	3/8" DIA. x 10" AT 16" O.C.	2 x 6 TREATED
D	APA EXP. 1	3/4"	8d AT 2" O.C.	8d AT 2' O.C.	3 x 6	3/8" DIA. x 12" AT 16" O.C.	3 x 6 TREATED

- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION
- PLYWOOD, ORIENTED STRAND BOARD AND COMPOSITE BOARD (BUT NOT STRUCTURAL PARTICLE BOARD) ARE ACCEPTED AS EQUALS
- ALL PANEL EDGES AT SHEAR WALLS SHALL BE BACKED WITH 2" NOMINAL FRAMING EXCEPT WHERE INDICATED TO BE 3" NOMINAL ON SCHEDULE. 3" MATERIAL MAY BE REPLACED WITH 4" MATERIAL. MULTIPLE LAYERS OF 3" FRAMING SHALL NOT BE USED WHERE 3" FRAMING IS INDICATED.
- ALL ANCHOR BOLTS TO HAVE A 3" x 3" x 1/2" PLATE WASHER (SEE SEE SCHEDULE ABOVE FOR SPACING)
- ALL STUDS IN SHEAR WALLS SHALL BE DOUGLAS FIR-LARCH
- SHEAR WALL PANELS INDICATED ON SCHEDULE ARE TO BE SHEATHED FOR FULL HEIGHT OF THE WALL
- SEE SPECIAL INSPECTION PAGE FOR ADDITIONAL REQUIREMENTS (NOT APPLICABLE TO RESIDENTIAL PROJECTS)
- ALL NAILS LISTED ABOVE SHOULD BE OF COMMON TYPE

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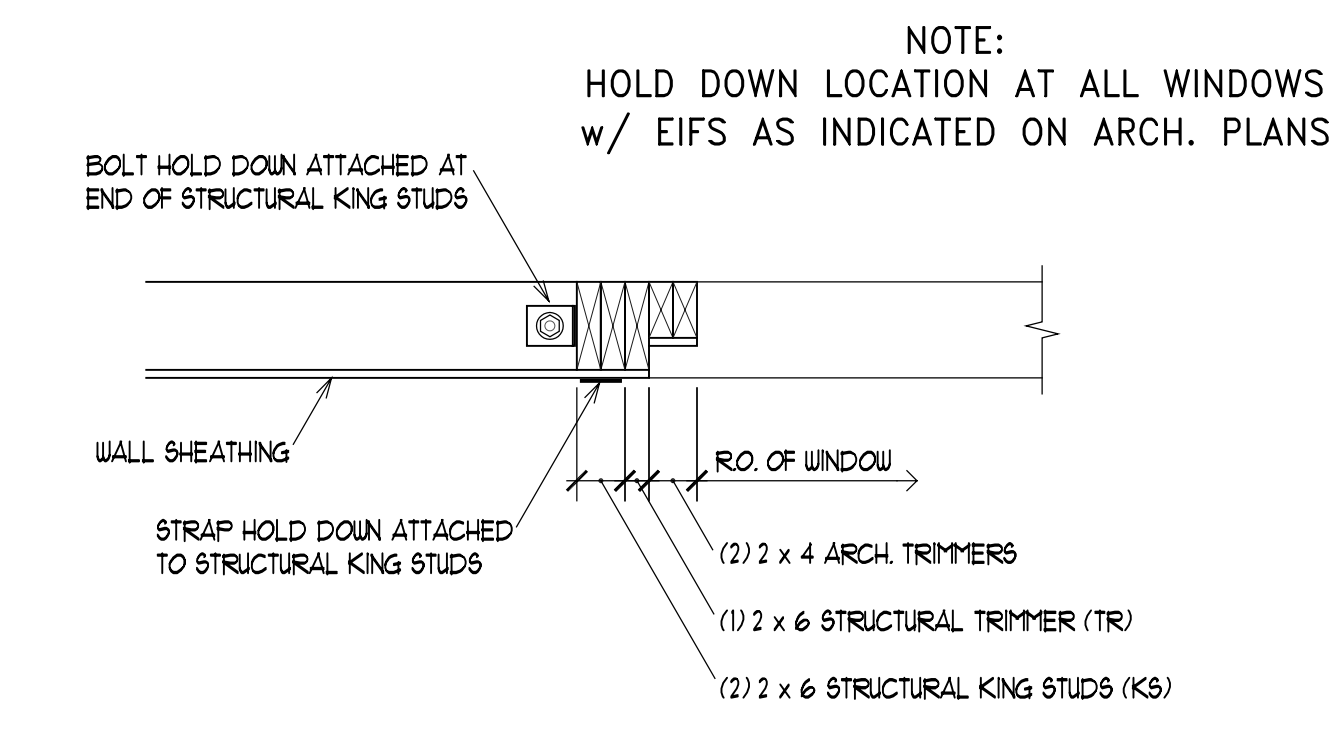
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**PROVIDENCE HALL HIGH SCHOOL**  
HERRIMAN UTAH  
MAIN FLOOR SHEARWALL PLAN

DRAWN G.R.J.  
CHECKED G.R.J.  
DATE AUGUST 22, 2013  
SCALE 1/8" = 1'-0"  
JOB NO. 13-089  
SHEET S3.1

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CONSTRUCTION DETAIL  
NO SCALE

NOTE:  
SEE SHEET S0.2 FOR MASONRY  
WALL AND BEAM SCHEDULE

HOLD DOWN SCHEDULE					
MARK	HOLD DOWN	ATTACHMENT TO STUDS	FOUNDATION ANCHORS	MINIMUM STUDS	REMARKS
AA	SIMPSON M5T48	(34) 1/4" SINKERS	N.A.	(2) 2 x 6	SEE DETAIL 1/ S3.3
BB	SIMPSON SHD14	(38) 1/4" SINKERS	CAST IN PLACE	(2) 2 x 6	SEE DETAIL 2/ S3.3
CC	SIMPSON HD15-SC05: 5	(14) SCS 1/2" x 3 1/2" SCREWS	1/2" DIA. ALL THREAD	4 x 6	SEE DETAIL 3/ S3.3
DD	SIMPSON M5T60	(48) 1/4" SINKERS	N.A.	(2) 2 x 6	SEE DETAIL 4/ S3.3

- ALL ANCHORS ARE SIMPSON STRONG-TIE (OR EQUAL)
- INSTALLATION OF ALL HOLD DOWN ANCHORS AND STRAPS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS
- PROVIDE EDGE NAILING ALONG STUDS CONNECTED TO HOLD DOWN ANCHORS AND STRAPS
- SEE SPECIAL INSPECTION PAGE FOR ADDITIONAL REQUIREMENTS (NOT APPLICABLE TO RESIDENTIAL PROJECTS)

SHEAR WALL SCHEDULE							
MARK	PANEL GRADE	PANEL THICKNESS	PANEL EDGE NAILING	PANEL FIELD NAILING	STUDS AT ADJOINING PANEL EDGES	ANCHOR BOLTS AT FOUNDATION LEVEL	SILL PLATE AT FOUNDATION
(A)	APA EXP. 1	3/4"	8d AT 6" O.C.	8d AT 12" O.C.	2 x 6	3/8" DIA. x 10" AT 32" O.C.	2 x 6 TREATED
(B)	APA EXP. 1	3/4"	8d AT 4" O.C.	8d AT 12" O.C.	2 x 6	3/8" DIA. x 10" AT 32" O.C.	2 x 6 TREATED
(C)	APA EXP. 1	3/4"	8d AT 3" O.C.	8d AT 12" O.C.	3 x 6	3/8" DIA. x 10" AT 16" O.C.	2 x 6 TREATED
(D)	APA EXP. 1	3/4"	8d AT 2" O.C.	8d AT 12" O.C.	3 x 6	3/8" DIA. x 12" AT 16" O.C.	3 x 6 TREATED

- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION
- PLYWOOD, ORIENTED STRAND BOARD AND COMPOSITE BOARD (BUT NOT STRUCTURAL PARTICLE BOARD) ARE ACCEPTED AS EQUALS
- ALL PANEL EDGES AT SHEAR WALLS SHALL BE BACKED WITH 2" NOMINAL FRAMING, EXCEPT WHERE INDICATED TO BE 3" NOMINAL ON SCHEDULE. 3x MATERIAL MAY BE REPLACED WITH 4x MATERIAL. MULTIPLE LAYERS OF 2x FRAMING SHALL NOT BE USED WHERE 3x FRAMING IS INDICATED.
- ALL ANCHOR BOLTS TO HAVE A 3" x 3" x 1/2" PLATE WASHER (SEE SHEAR WALL SCHEDULE ABOVE FOR BRACING)
- ALL STUDS IN SHEAR WALLS SHALL BE DOUGLAS FIR-LARCH
- SHEAR WALL PANELS INDICATED ON SCHEDULE ARE TO BE SHEATHED FOR FULL HEIGHT OF THE WALL
- SEE SPECIAL INSPECTION PAGE FOR ADDITIONAL REQUIREMENTS (NOT APPLICABLE TO RESIDENTIAL PROJECTS)
- ALL NAILS LISTED ABOVE SHOULD BE OF COMMON TYPE

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UPPER FLOOR SHEAR WALL PLAN

DRAWN G.R.J.  
CHECKED G.R.J.  
DATE AUGUST 22, 2013  
SCALE 1/8" = 1'-0"  
JOB NO. 13-089  
SHEET **S3.2**

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