

ARCHITECTURAL GROUP III

201 S. Nappanee St. Elkhart Indiana 46514-1953 574/293-0008

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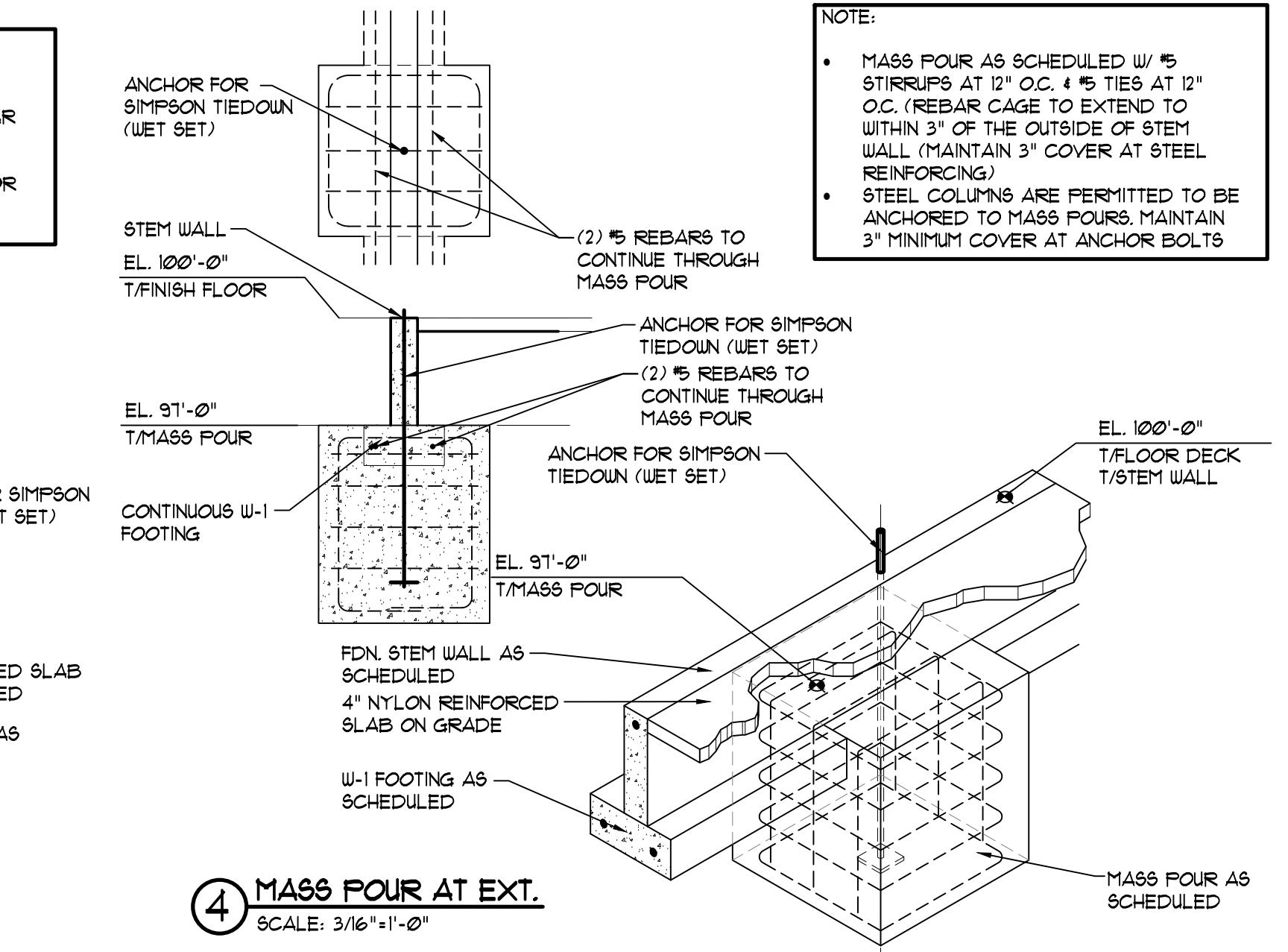
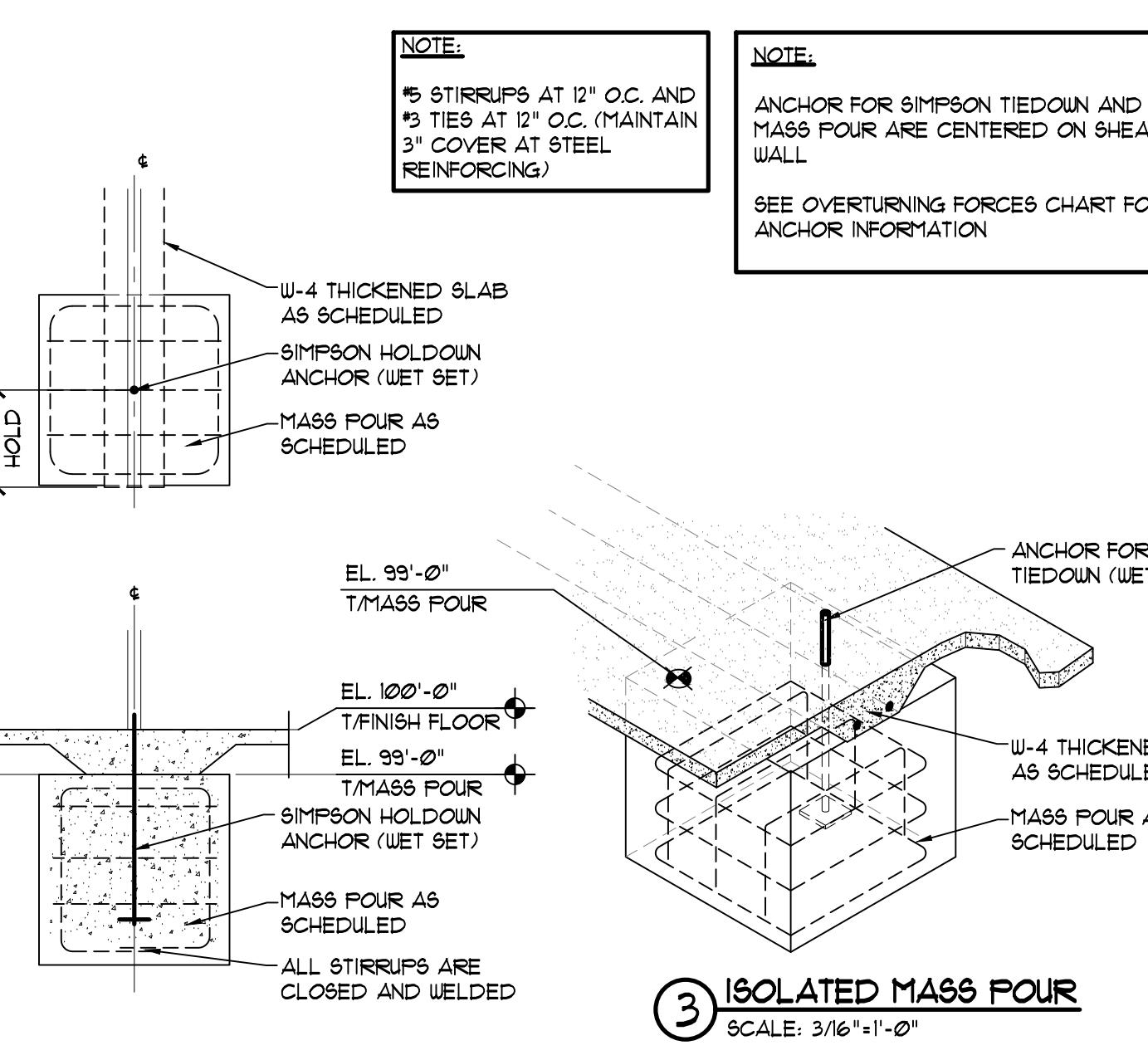
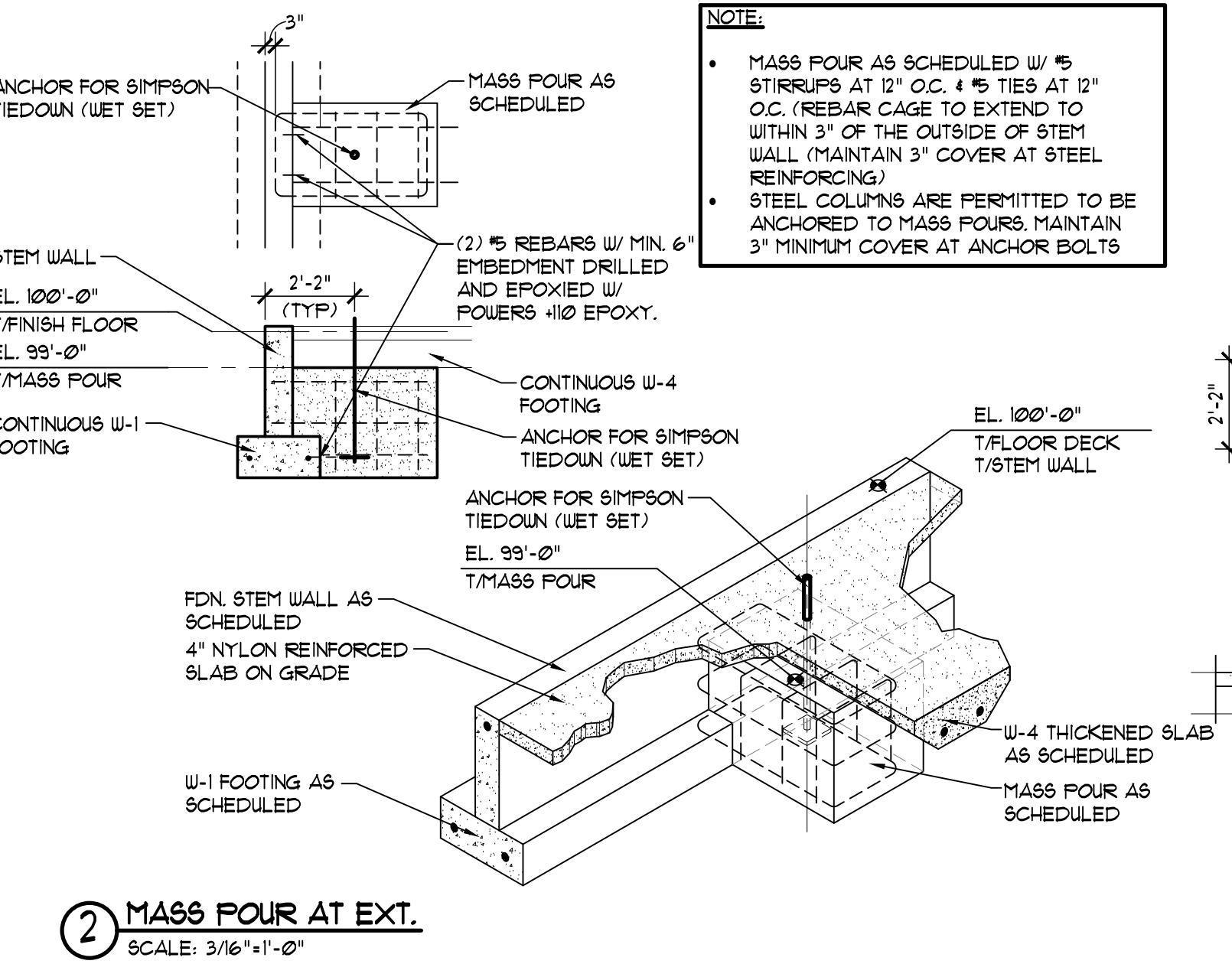
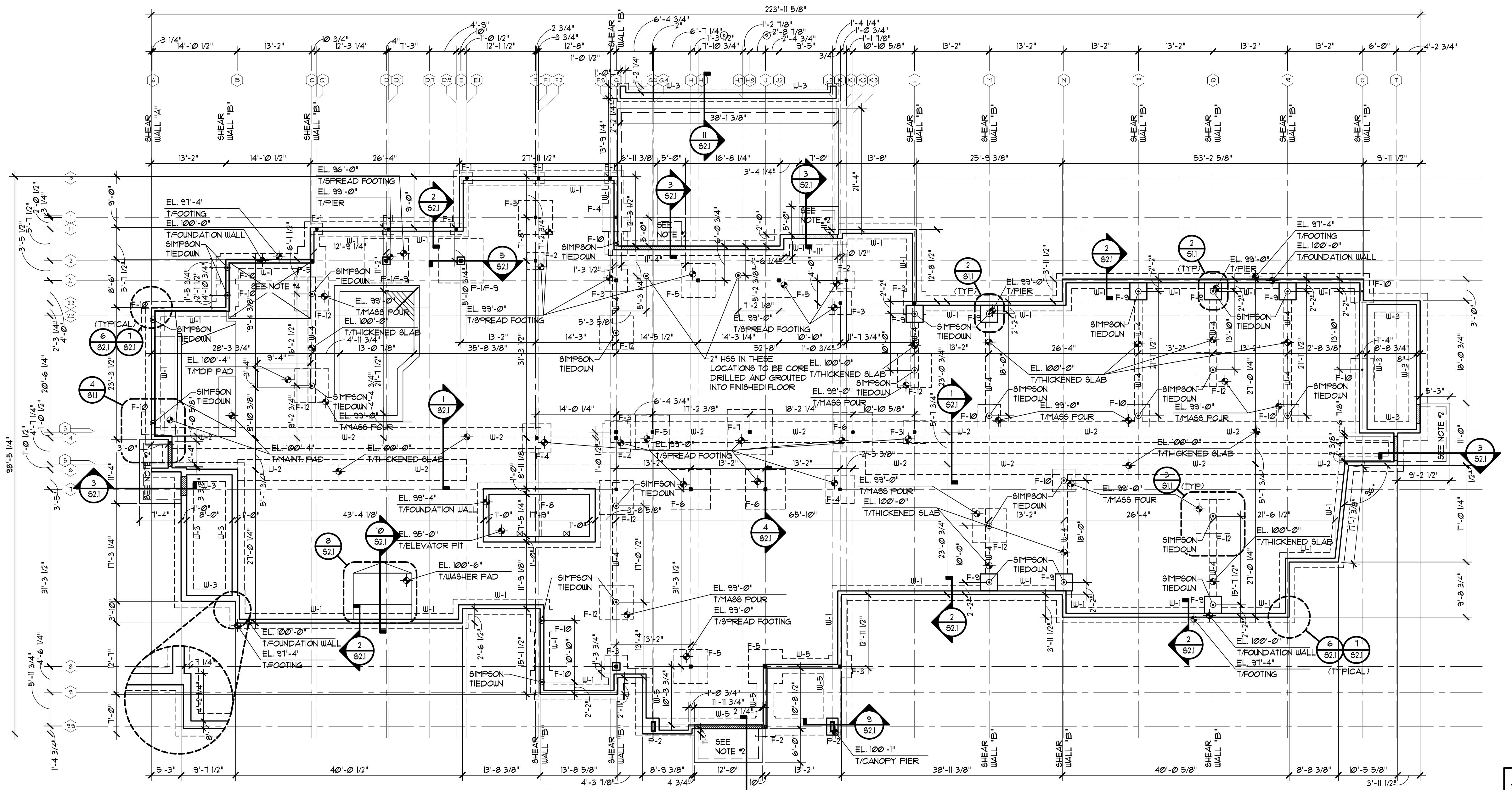
JOB TITLE
FAIRFIELD BY MARRIOTT
PENDLETON, IN
MARRIOT #70960
A NEW 97 ROOM HOTEL

JOB NO.
24126

DATE
05/30/25

REVISIONS

SHEET NO.
S1.1
FOUNDATION PLAN



FOUNDATION SCHEDULE	
PIER SCHEDULE	EL 1'-4" x 1'-4" (4) #6 VERTICAL, 4 TIES AT 16" O.C.
P-2	2'-0" x 3'-0" (4) #6 VERTICAL W/ 22° 90° HOOKS, 3 TIES AT 16" O.C.
WALL FOOTING SCHEDULE	
W-1	2'-8" x 1'-0" FOOTING (3) #5 CONTINUOUS REBAR
W-2	3'-8" x 1'-4" THICKENED SLAB (5) #5 CONTINUOUS REBAR LONG WAYS AND 1# REBAR AT 9" O.C. CROSS BARS
W-3	3'-8" x 1'-4" FOOTING (3) #5 CONTINUOUS REBAR
W-4	1'-4" x 1'-0" THICKENED SLAB (2) #5 CONTINUOUS REBAR
W-5	3'-0" x 3'-0" GRADE BEAM W/ 4" CLOSED TIES AT 13" O.C. AND (6) #5 BARS TOP AND BOTTOM
SPREAD FOOTING SCHEDULE	
F-1	2'-0" x 2'-0" x 1'-0" #5 x 12" EACH WAY AT BOTTOM
F-2	3'-0" x 3'-0" x 1'-0" #5 x 12" EACH WAY AT BOTTOM
F-3	4'-0" x 4'-0" x 1'-0" #5 x 12" EACH WAY AT BOTTOM
F-4	5'-0" x 5'-0" x 1'-0" #5 x 12" EACH WAY AT BOTTOM
F-5	6'-0" x 6'-0" x 1'-0" #5 x 12" EACH WAY AT BOTTOM
F-6	7'-0" x 7'-0" x 1'-0" #5 x 12" EACH WAY AT BOTTOM
F-7	8'-0" x 8'-0" x 1'-0" #5 x 12" EACH WAY AT BOTTOM
F-8	11'-5 1/4" x 21'-4" x 1'-2" W/ 5 EACH WAY AT TOP & BOTTOM AT 12" O.C.
F-9	3'-0" x 3'-0" x 4'-0" MASS POUR
F-10	4'-0" x 4'-0" x 4'-0" MASS POUR
F-11	6'-0" x 6'-0" x 4'-0" MASS POUR
F-12	6'-0" x 6'-0" x 4'-0" MASS POUR
F-13	6'-0" x 6'-0" x 4'-0" MASS POUR
F-14	8'-0" x 8'-0" x 4'-0" MASS POUR
NOTE:	
-3" COVER AROUND ALL REBAR CAST AGAINST EARTH	
-ALL SITE PREPARATION AND FOUNDATION INSTALLATION	
SHALL BE INSTALLED IN ACCORDANCE WITH THE	
RECOMMENDATIONS OF CONSTRUCTION ALT 4 WITZIG	
ENGINEERING, INC. REPORT DATED FEB 15TH, 2024.	
-ALLOWABLE SOIL BEARING PRESSURE: 2,500 PSF	

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Fairfield
BY MARRIOTT

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A NEW 97 ROOM HOTEL

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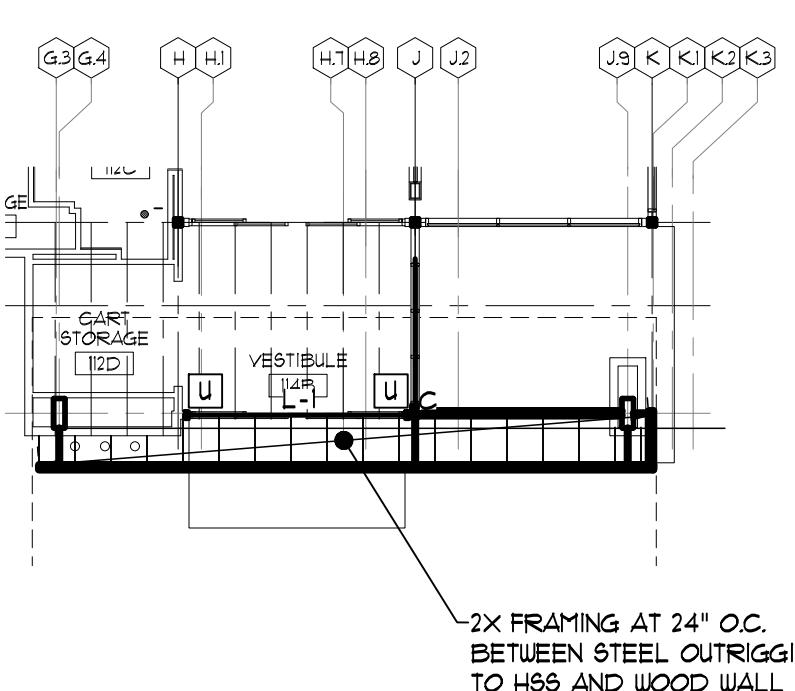
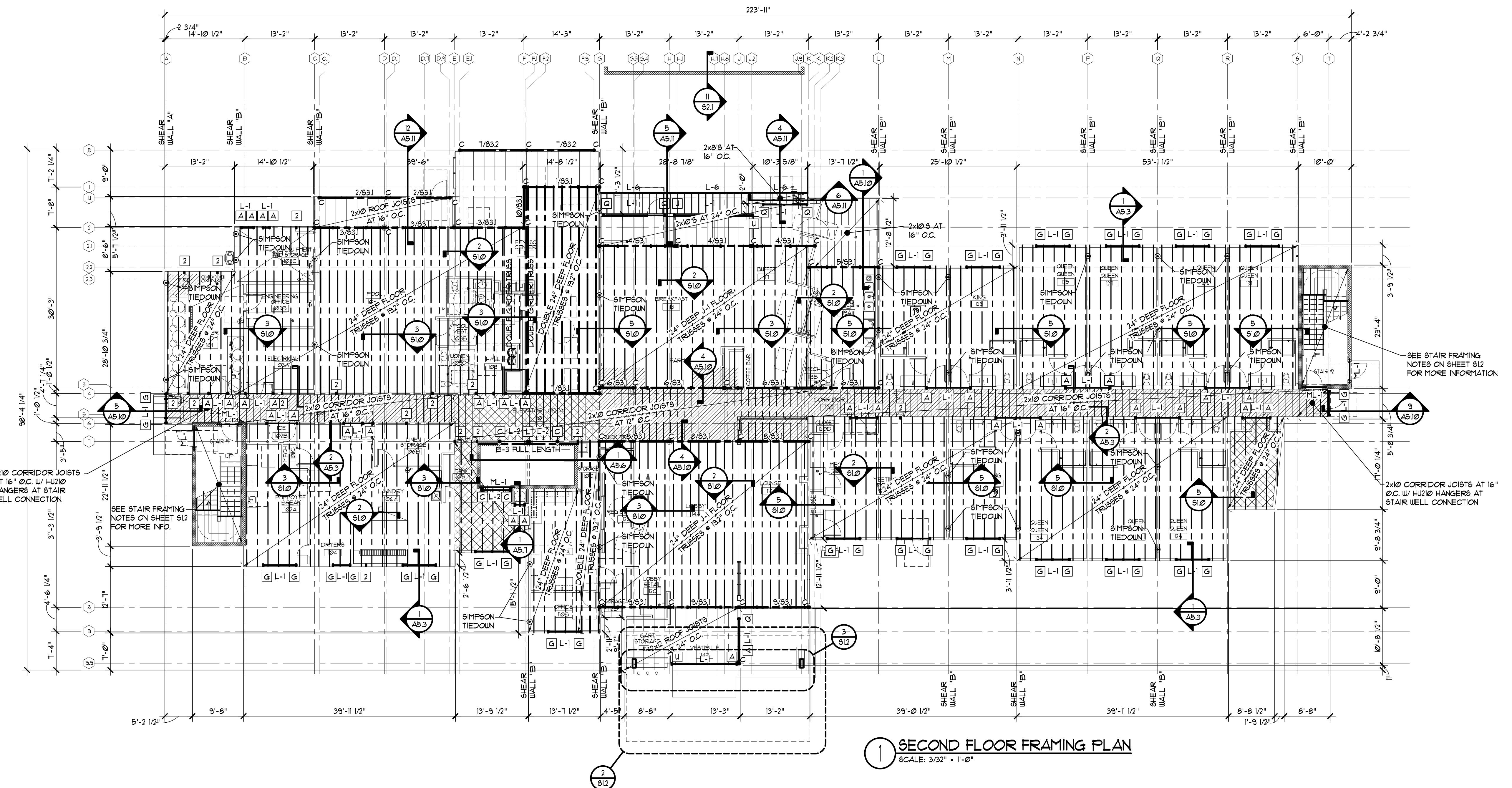
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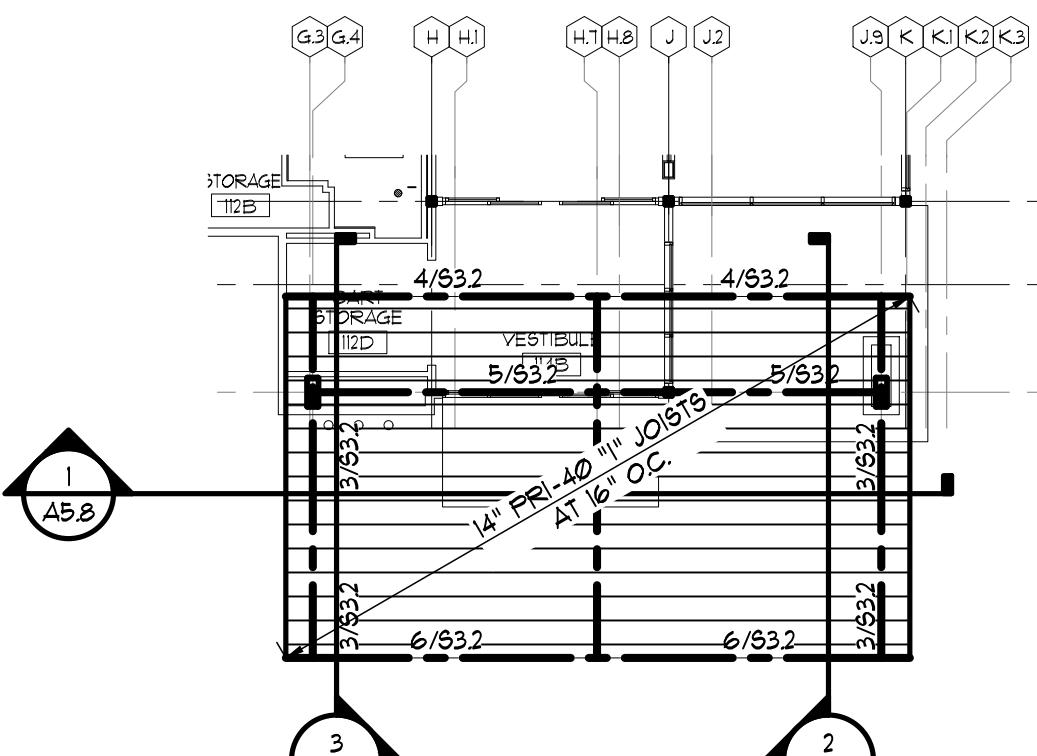
SHEET NO.

S1.2

SECOND FLOOR
FRAMING PLAN



3 ACCENT AWNING FRAMING DETAIL



2) PORTECOCHERE FRAMING DETAIL

- STAIR FRAMING NOTES:

 1. STAIR LANDING JOISTS FOR INTERMEDIATE LANDINGS AND LANDINGS AT FLOOR HEIGHTS CONSIST OF 2x12 FLOOR JOISTS AT 12" O.C. WITH JOIST HANGERS AT EACH END.
 2. USE (4) SYP 2x12 STAIR STRINGERS AT EACH FLIGHT WITH (1) 11 1/4" LVL UNCUT STRINGER SISTERED TO OUTER TWO 2x12 STRINGERS W/ 1x6 SPACER AS SHOWN IN DETAIL 3/S1.0 AND 10/A5.4
 3. SEE SHEET A5.4 FOR STAIR SHAFT DIMENSIONS AND MISC NOTES
 4. SEE SHEET A5.5 FOR STAIR SECTION AND MISC NOTES

N

- RUSS MANUFACTURER MUST DESIGN, SHOW AND
DEMONSTRATE PERMANENT BRACING FOR ALL
ROOF AND FLOOR TRUSSES AT EVERY FLOOR

SEE PAGE S1.1 FOR NON-BEARING SHEAR WALLS

 = INDICATES AREAS OF 100 PSF LOADS.
SEE S1.0 FOR AREA SPECIFIC LOADING.

 = INDICATES AREAS OF 125 PSF LOADS.
SEE S1.0 FOR AREA SPECIFIC LOADING.

KING STUD DETAILS

NOTE:

KING STUD, STUD DESIGNATORS ONLY APPLY AT LINTEL LOCATIONS. ALL OTHER STUD COUNT TAGS REFER TO TOTAL WALL STUDS REQUIRED IN THAT LOCATION TO TRANSFER LOADS FROM ABOVE

KING STUD AND JACK STUD

A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
S
T
U

- = (1) KING STUDS AND (1) JACK STUDS
- = (1) KING STUDS AND (2) JACK STUDS
- = (1) KING STUDS AND (3) JACK STUDS
- = (1) KING STUDS AND (4) JACK STUDS
- = (1) KING STUDS AND (5) JACK STUDS
- = (1) KING STUDS AND (6) JACK STUDS
- = (1) KING STUDS AND (7) JACK STUDS
- = (1) KING STUDS AND (8) JACK STUDS
- = (2) KING STUDS AND (1) JACK STUDS
- = (2) KING STUDS AND (2) JACK STUDS
- = (2) KING STUDS AND (3) JACK STUDS
- = (3) KING STUDS AND (2) JACK STUDS
- = (3) KING STUDS AND (3) JACK STUDS
- = (3) KING STUDS AND (5) JACK STUDS
- = (3) KING STUDS AND (6) JACK STUDS
- = (4) KING STUDS AND (2) JACK STUDS
- = (4) KING STUDS AND (4) JACK STUDS
- = (4) KING STUDS AND (6) JACK STUDS
- = (4) KING STUDS AND (8) JACK STUDS

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BY MARRIOTT

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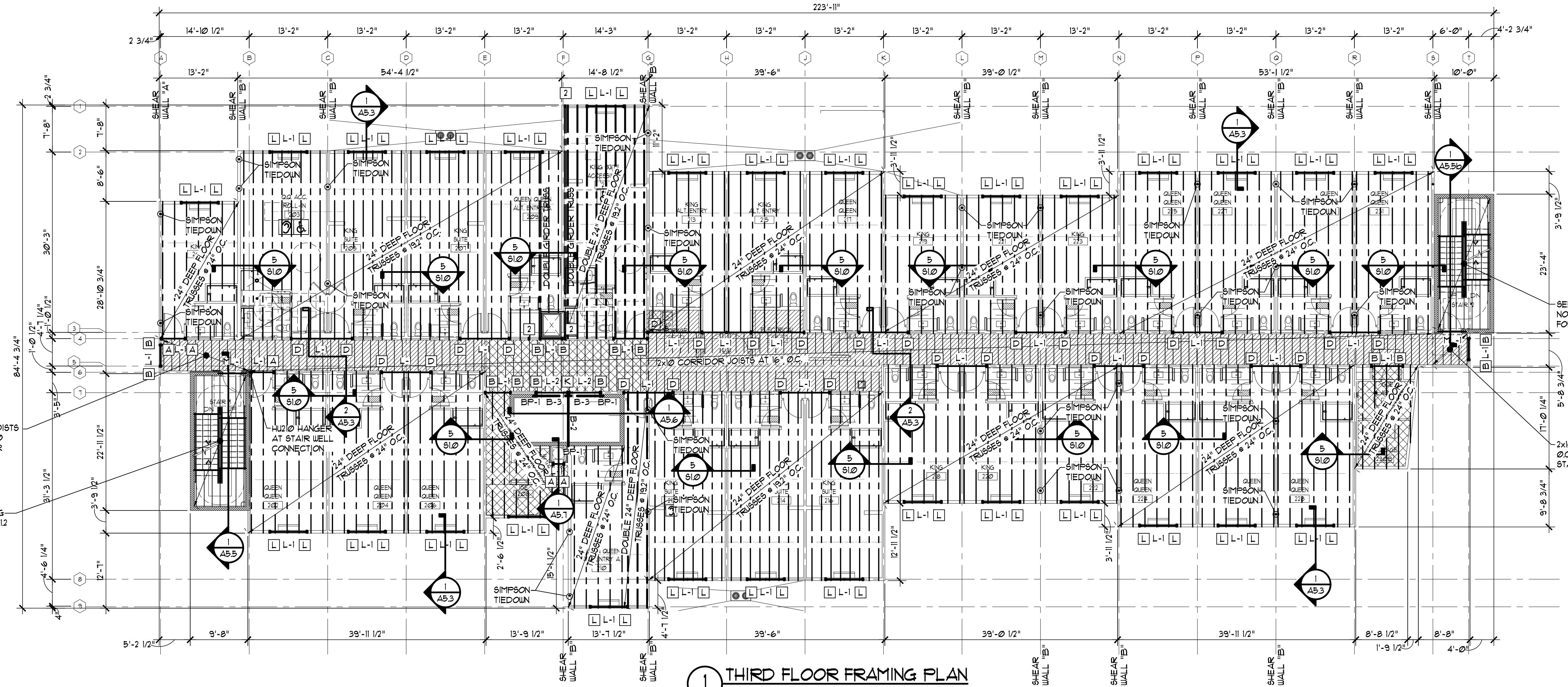
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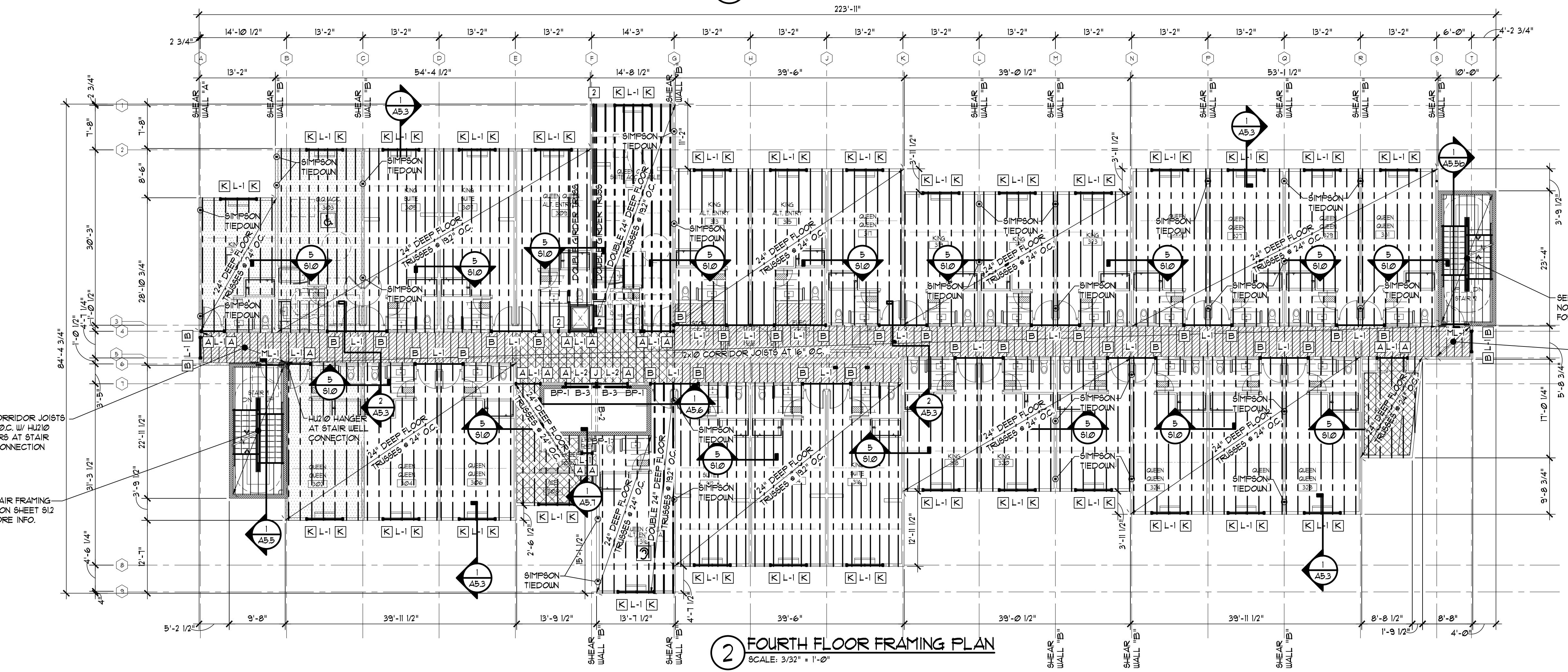
REVISIONS

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SHEET NO.
S1.3
THIRD &
FOURTH FLOOR
FRAMING PLANS



NOTE:
 - TRUSS MANUFACTURER MUST DESIGN, SHOW AND DEMONSTRATE PERMANENT BRACING FOR ALL ROOF AND FLOOR TRUSSES AT EVERY FLOOR
 - SEE PAGE S11 FOR NON-BEARING SHEAR WALLS
 ■ INDICATES AREAS OF 100 PSF LOADS. SEE S10 FOR AREA SPECIFIC LOADING.
 □ INDICATES AREAS OF 125 PSF LOADS. SEE S10 FOR AREA SPECIFIC LOADING.
 ◻ ROOF AND 4TH FLOOR DIAPHRAGM IN THIS AREA SHALL HAVE ALL JOINTS BLOCKED
 1 - BOTTOM OF LINTEL FLUSH WITH BOTTOM OF TRUSS



KING STUD DETAILS
NOTE:
 KING STUD, STUD DESIGNATORS ONLY APPLY AT LINTEL LOCATIONS. ALL OTHER STUD COUNT TAGS REFER TO TOTAL WALL STUDS REQUIRED IN THAT LOCATION TO TRANSFER LOADS FROM ABOVE
 KING STUD AND JACK STUD
 A (1) KING STUDS AND (1) JACK STUDS
 B (1) KING STUDS AND (2) JACK STUDS
 C (1) KING STUDS AND (3) JACK STUDS
 D (1) KING STUDS AND (4) JACK STUDS
 E (1) KING STUDS AND (5) JACK STUDS
 F (1) KING STUDS AND (6) JACK STUDS
 G (1) KING STUDS AND (7) JACK STUDS
 H (1) KING STUDS AND (8) JACK STUDS
 I (2) KING STUDS AND (1) JACK STUDS
 J (2) KING STUDS AND (2) JACK STUDS
 K (2) KING STUDS AND (3) JACK STUDS
 L (2) KING STUDS AND (4) JACK STUDS
 M (2) KING STUDS AND (5) JACK STUDS
 N (2) KING STUDS AND (6) JACK STUDS
 O (2) KING STUDS AND (7) JACK STUDS
 P (2) KING STUDS AND (8) JACK STUDS

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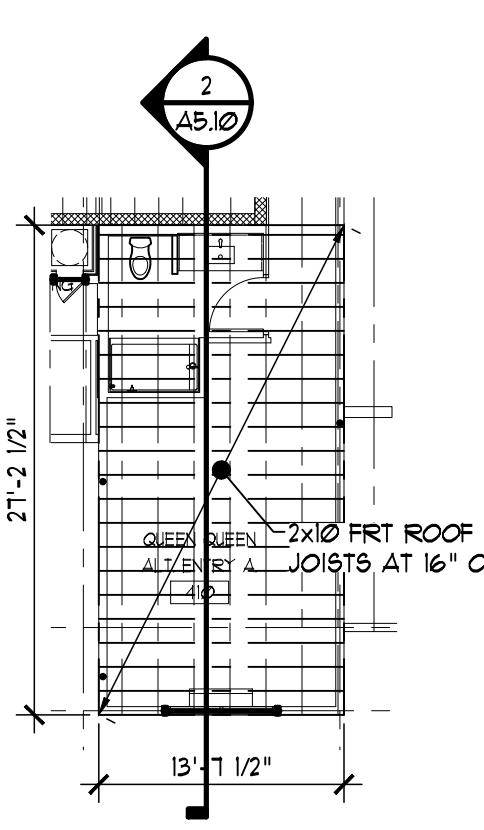
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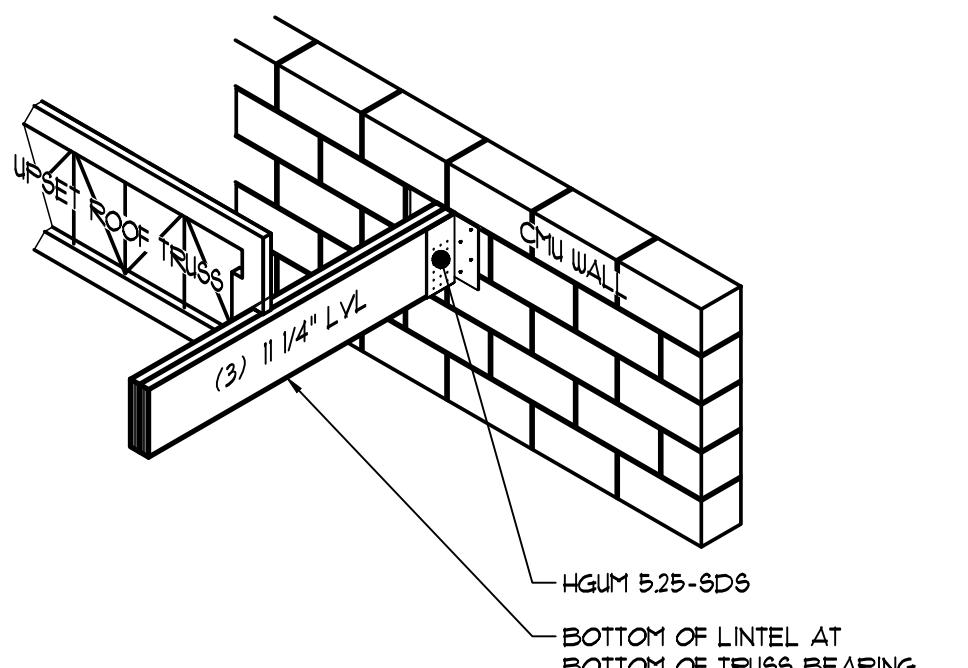
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SHEET NO.
61.4
**ROOF FRAMING
PLAN**

1 ROOF FRAMING PLAN



3 ROOF FRAMING PLAN



2 CMU/LINTEL CONNECTION DETAIL

KING STUD DETAILS

NOTE

KING STUD, STUD DESIGNATORS ONLY APPLY AT LINTEL LOCATIONS. ALL OTHER STUD COUNT TAGS REFER TO TOTAL WALL STUDS REQUIRED IN THAT LOCATION TO TRANSFER LOADS FROM ABOVE.

- KING STUD AND JACK STUD

 - A = (1) KING STUDS AND (1) JACK STUDS
 - B = (1) KING STUDS AND (2) JACK STUDS
 - C = (1) KING STUDS AND (3) JACK STUDS
 - D = (1) KING STUDS AND (4) JACK STUDS
 - E = (1) KING STUDS AND (5) JACK STUDS
 - F = (1) KING STUDS AND (6) JACK STUDS
 - J = (1) KING STUDS AND (7) JACK STUDS
 - H = (1) KING STUDS AND (8) JACK STUDS
 - J = (2) KING STUDS AND (1) JACK STUDS
 - K = (2) KING STUDS AND (2) JACK STUDS
 - L = (2) KING STUDS AND (3) JACK STUDS
 - M = (3) KING STUDS AND (2) JACK STUDS
 - N = (3) KING STUDS AND (3) JACK STUDS
 - P = (3) KING STUDS AND (5) JACK STUDS
 - Q = (3) KING STUDS AND (6) JACK STUDS
 - R = (4) KING STUDS AND (2) JACK STUDS
 - S = (4) KING STUDS AND (4) JACK STUDS
 - T = (4) KING STUDS AND (6) JACK STUDS
 - U = (4) KING STUDS AND (8) JACK STUDS

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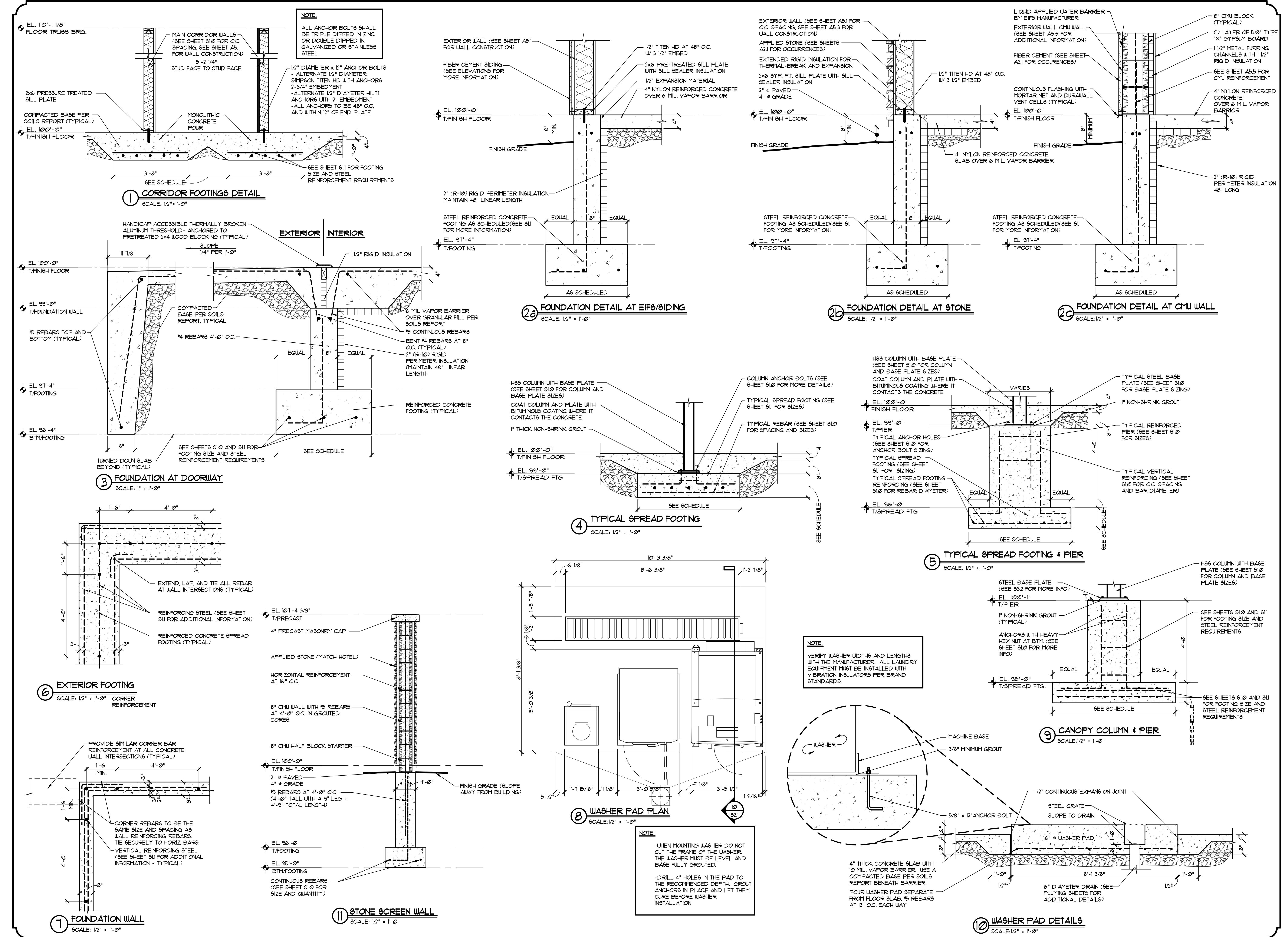
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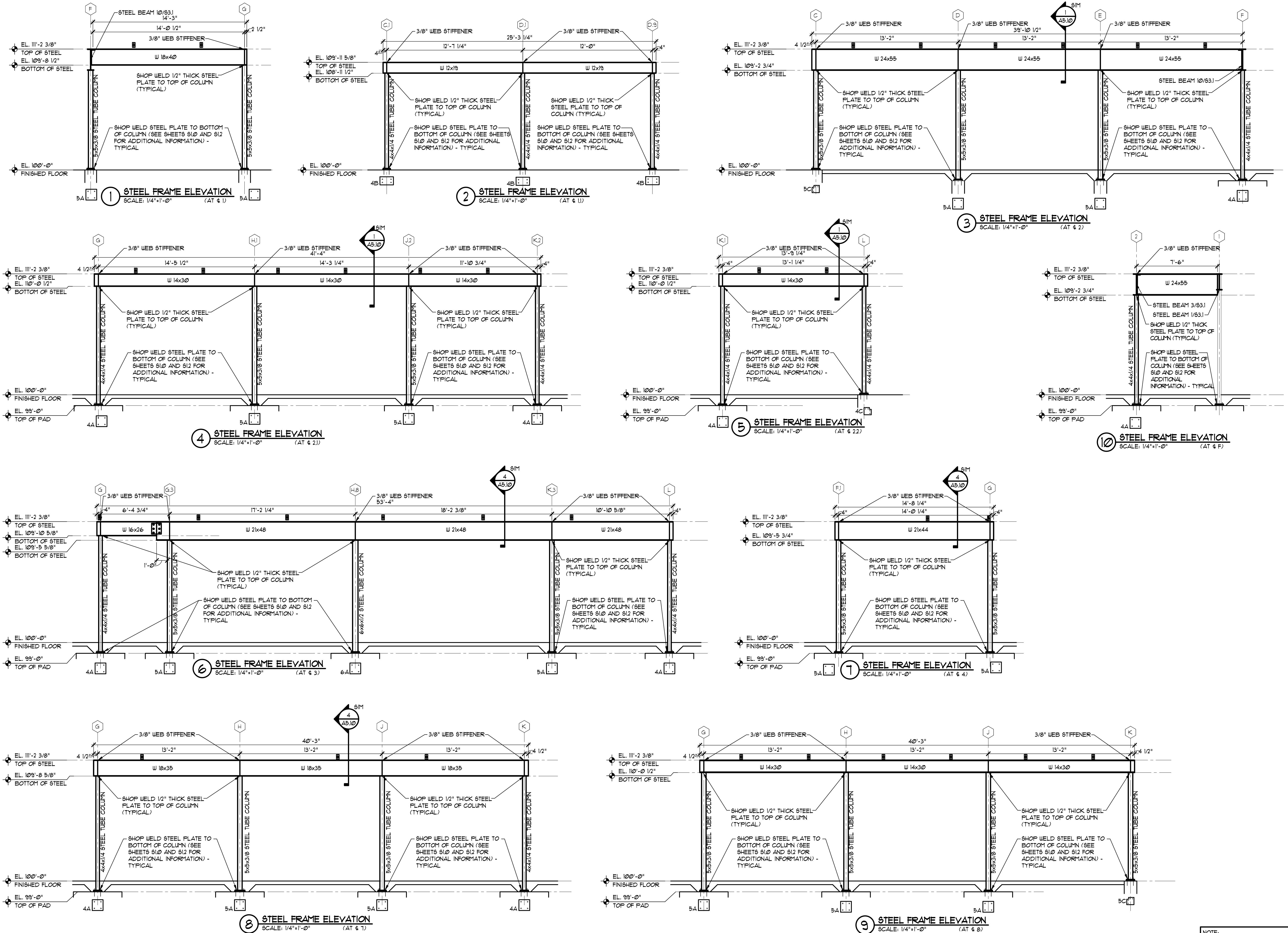
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A NEW 97 ROOM HOTEL

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24126
DATE
05/30/25
REVISIONS

SHEET NO.
S3.1
STEEL
ELEVATIONS
AND DETAILS

NOTE:
STEEL BEAMS AND COLUMNS
TO BE SPRAYED WITH
INTUMESCENT PAINT FOR
ONE HOUR PROTECTION



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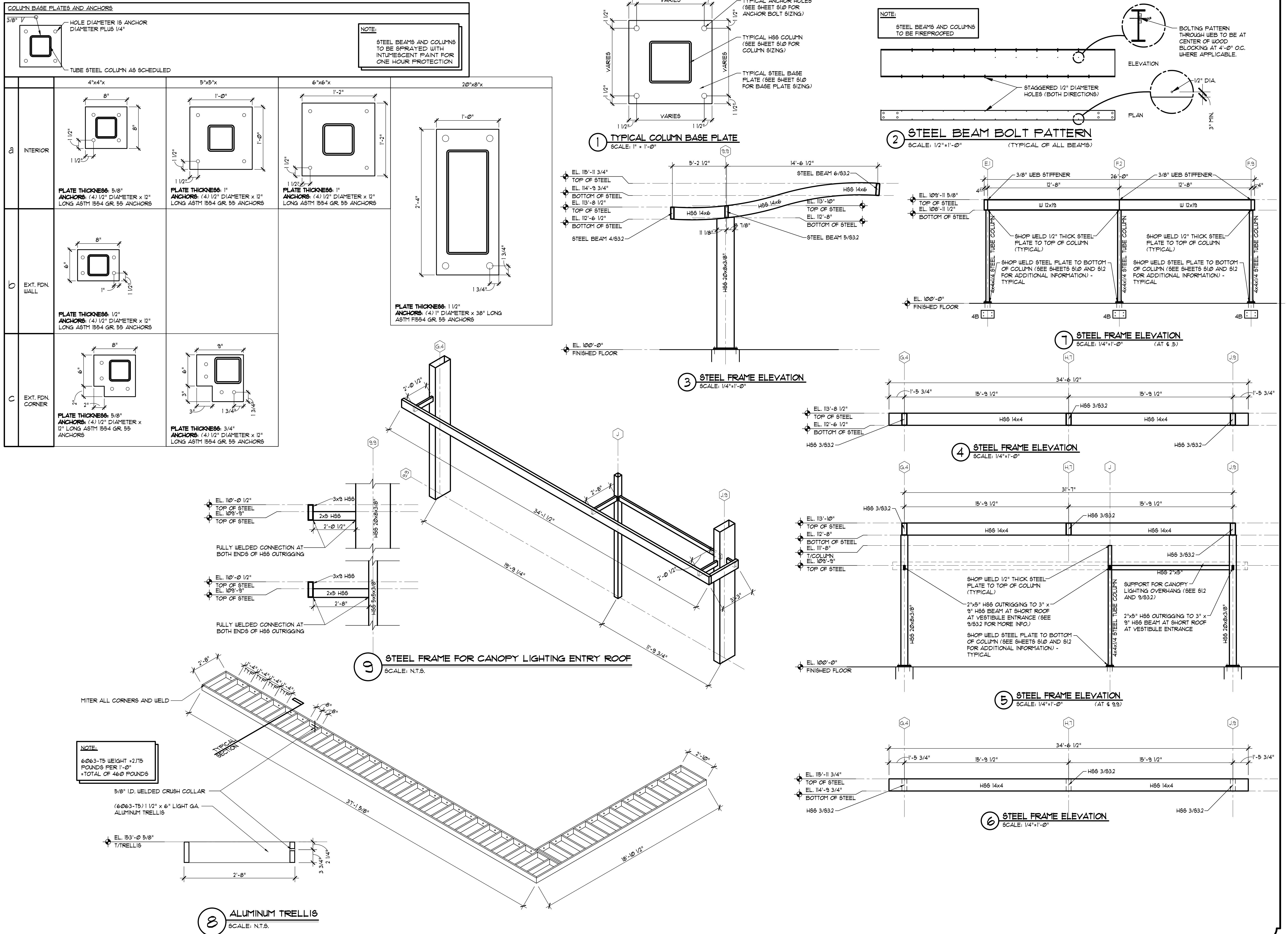
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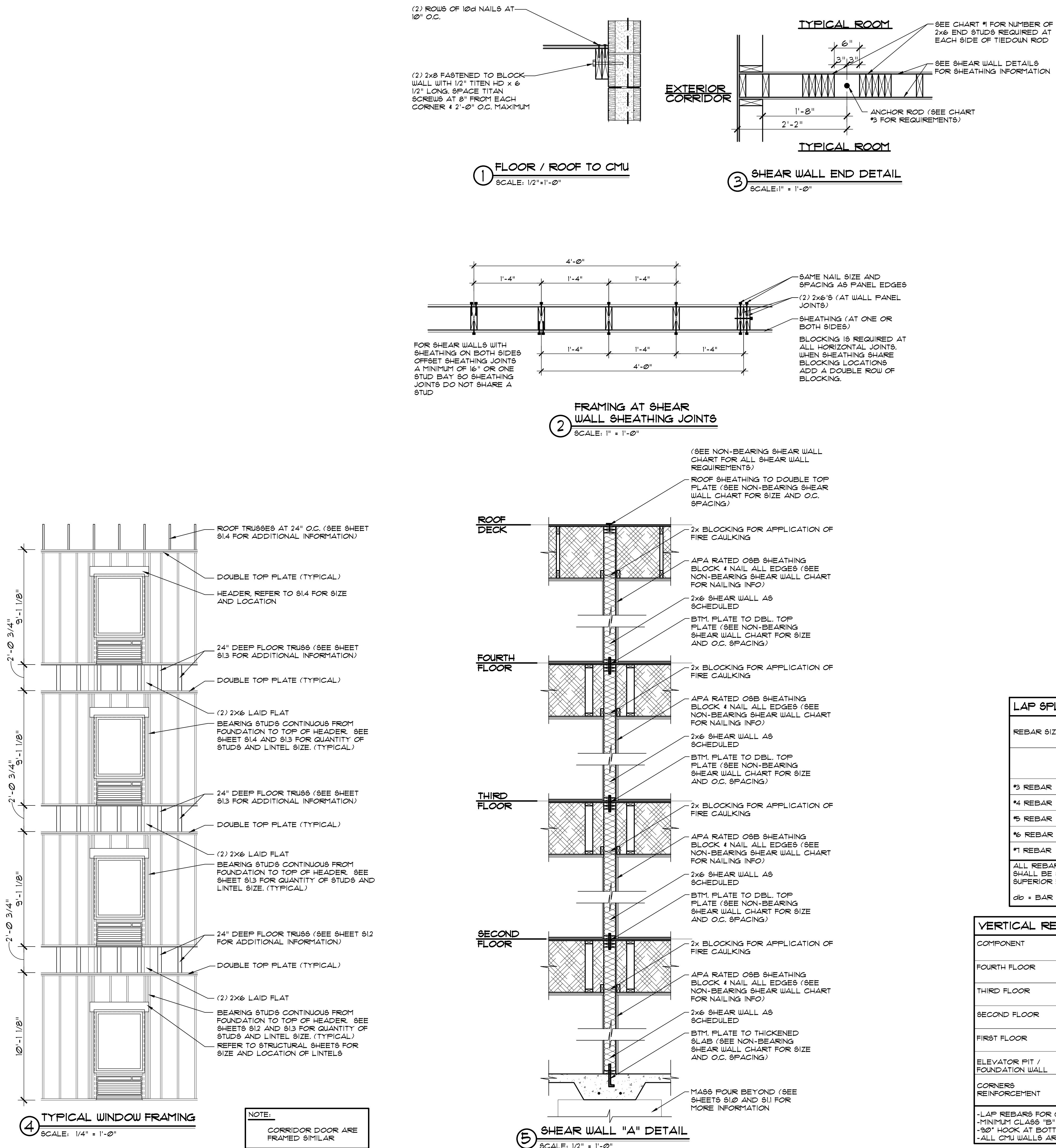
SHEET NO.

63.2

STEEL
ELEVATIONS
AND DETAILS

SHEET NO.
63.2
STEEL
ELEVATIONS
AND DETAILS





COMPONENT	SHEAR WALL "A"		SHEAR WALL "B"	
	CUMULATIVE	INCREMENTAL	CUMULATIVE	INCREMENTAL
LOCATION	INTERIOR		INTERIOR	
FOURTH FLOOR	2.1		2.1	1.4
THIRD FLOOR	8.1	5.3	4.0	2.7
SECOND FLOOR	15.8	7.1	7.9	3.9
FIRST FLOOR	21.0	11.2	13.5	5.6
ANCHOR ROD	(1) CAST IN PLACE 1 1/2" FIB54 GR. 36 ANCHOR ROD WITH A 6"x6"x3/4" PLATE AT BOTTOM WITH HEAVY HEX NUT. (32" EMBEDMENT MIN)		(1) CAST IN PLACE 1" FIB54 GR. 36 ANCHOR ROD WITH A 4"x4"x1/2" PLATE AT BOTTOM WITH HEAVY HEX NUT. (32" EMBEDMENT MIN)	
2x6 STUDS AT SHEAR WALL ENDS	4th- 2 3rd- 2 2nd- 4 1st- 6		4th- 2 3rd- 2 2nd- 2 1st- 4	

NOTE:

- REFERENCE SIMPSON STRONG ROD METHOD 2 AT'S RUN ID LOAD TABLES
- TIEDOWN MANUFACTURER TO DESIGN TIE DOWN SYSTEMS AND TOP STRAPS FOR THE ABOVE ASD LOADS
- ALL CTD TIEDOWNS, STRAPS, AND BEARING STUDS TO BE LOCATED AT THE ENDS OF SHEAR WALLS

NOTE:

- ALL FLOOR DECKING SHALL BE GLUED (PL200 OR GREATER) AND NAILED. NAILS SHALL BE 0148x25 NAILS AT 6" O.C. ALONG EDGES AND 12" O.C. IN FIELD AT ROOF AND FOURTH FLOOR AND 0131x25 NAILS AT 6" O.C. ALONG EDGES AND 12" O.C. IN THE FIELD AT 3RD AND 2ND FLOORS.
- MAXIMUM 7" END DISTANCE FROM ALL THROUGH BOLTS AND ANCHORS TO END OR JOINT IN WALL PLATES

REBAR SIZE	CASE #1: COVER AT LEAST 1db AND C-C SPACING AT LEAST 3db		CASE #2: COVER AT LEAST 1db OR C-C SPACING AT LEAST 3db	
	TOP REBARS: 12" OR MORE OF CONCRETE BELOW THE REBAR	OTHER REBARS:	TOP REBARS: 12" OR MORE OF CONCRETE BELOW THE REBAR	OTHER REBARS:
#3 REBAR	28"		22"	42"
#4 REBAR	31"		29"	56"
#5 REBAR	47"		36"	73"
#6 REBAR	56"		43"	84"
#7 REBAR	81"		63"	122"

ALL REBARS #8 AND LARGER REBARS AS NOTED ON THE DRAWINGS SHALL BE SPLICED WITH A MECHANICAL COUPLER DAYTON SUPERIOR BAR LOCK COUPLER SYSTEM OR LISTED EQUAL db = BAR DIAMETER

COMPONENT	ELEVATOR CMU WALL REINFORCEMENT		STAIR #1 AND STAIR #2 CMU WALL REINFORCEMENT	
	FOURTH FLOOR	THIRD FLOOR	SECOND FLOOR	FIRST FLOOR
FOURTH FLOOR	(1) 5" IN GROUT FILLED CORE AT 48" O.C. AND (1) 5" AT EACH SIDE OF OPENINGS			(1) 5" IN GROUT FILLED CORE AT 48" O.C. AND (1) 5" AT EACH SIDE OF OPENINGS
THIRD FLOOR		(1) 5" IN GROUT FILLED CORE AT 48" O.C. AND (1) 5" AT EACH SIDE OF OPENINGS		(1) 5" IN GROUT FILLED CORE AT 48" O.C. AND (1) 5" AT EACH SIDE OF OPENINGS
SECOND FLOOR		(1) 5" IN GROUT FILLED CORE AT 48" O.C. AND (1) 5" AT EACH SIDE OF OPENINGS		(1) 5" IN GROUT FILLED CORE AT 48" O.C. AND (1) 5" AT EACH SIDE OF OPENINGS
FIRST FLOOR			(1) 5" IN GROUT FILLED CORE AT 48" O.C. AND (1) 5" AT EACH SIDE OF OPENINGS	(1) 5" IN GROUT FILLED CORE AT 48" O.C. AND (1) 5" AT EACH SIDE OF OPENINGS
ELEVATOR PIT / FOUNDATION WALL			5 BARS AT 16" O.C.	
CORNERS REINFORCEMENT			(1) 5" IN (3) GROUT FILLED CORES AT EACH CORNER	(1) 5" IN (3) GROUT FILLED CORES AT EACH CORNER

LAP REBARS FOR CONTINUITY (LAP LENGTHS TO BE BASED ON SMALLER REBAR IN LAP)
-MINIMUM CLASS "B" SPLICE LENGTHS ARE #8 REBARS: 43", #5 REBARS: 23", and #4 REBARS: 15"
-#9 HOOK AT BOTTOM REBARS INTO FOOTINGS
-ALL CMU WALLS ARE FULLY GROUTED WITH HORIZONTAL REINFORCEMENT AT 16" O.C.

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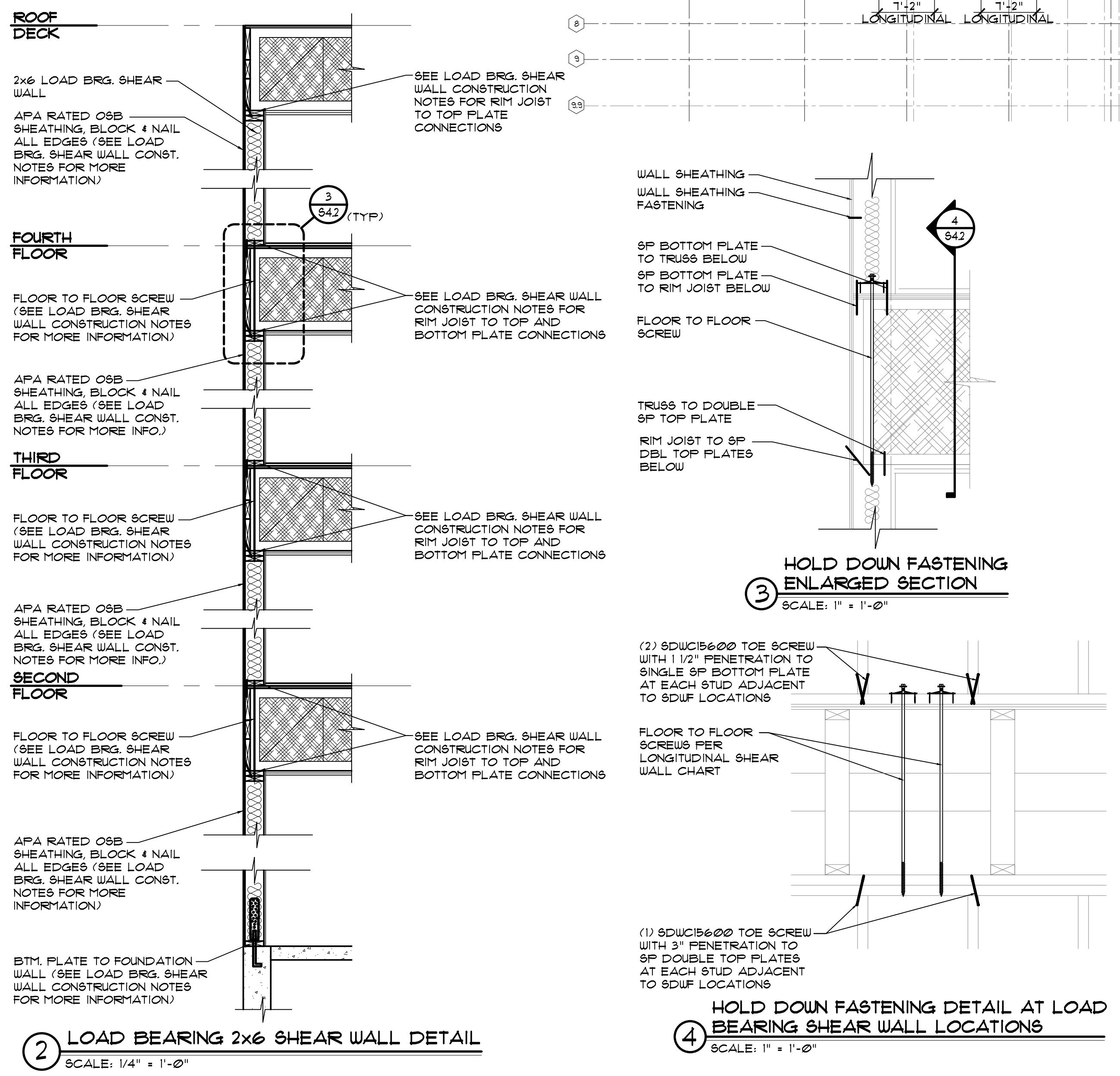
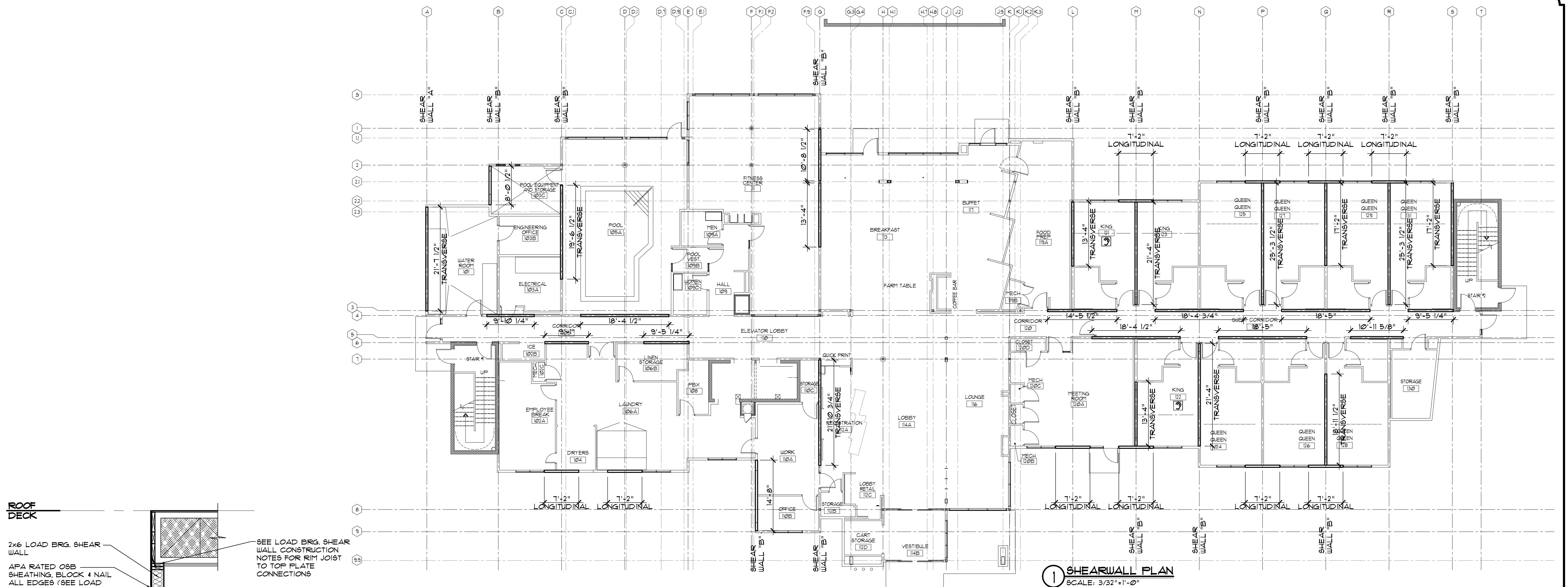
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REVISIONS

PRELIMINARY NOT FOR CONSTRUCTION

SHEET NO.

S4.2
SHEAR WALL
& DIAPHRAGM
DETAILS



TRANSVERSE NON-BEARING SHEAR WALL CONSTRUCTION

CHART #2

ALL WALL SHEATHING IS APA RATED 1/2" OSB OR 1/2" PLYWOOD WITH ALL EDGES BLOCKED AND NAILED PER LISTED O.C. SPACING BELOW AND AT 12" O.C. IN THE FIELD. FOR TWO SIDED SHEAR WALLS OFFSET PANEL JOINTS FROM ONE SIDE TO THE OTHER SO PANEL JOINTS DO NOT LAND ON SAME STUD.

LOAD BEARING LONGITUDINAL SHEAR WALL CONSTRUCTION

-ALL WALL SHEATHING IS AS NOTED BELOW
-ALL EDGES TO BE BLOCKED AND NAILED PER LISTED O.C. SPACING BELOW AND AT 12" O.C. IN FIELD
-FOR TWO SIDED SHEAR WALLS OFFSET PANEL JOINTS FROM ONE SIDE TO THE OTHER SO PANEL JOINTS
DON'T LAND ON SAME STUD
-ALL SHEATHING FASTENERS 0.131x3" 1/2" NAILS
-ANCHORS AT SLAB SHALL PT. 1/2" WITH ANCHORS AS NOTED
-ALL HOLDING ANCHORS, ETC. SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S
INSTRUCTIONS

MARK / LEVEL	SHEAR WALL COMPONENT	COMPONENT REQUIREMENTS
SW-A ROOF / 4TH	WALL SHEATHING WALL SHEATHING FASTENERS ROOF SHEATHING TO DBL. TOP PLATE	1/2" osb sheathing both sides .131x2.5 nails @ 6" o.c. at edges and 12" o.c. in field .0.131x3" nails @ 4" o.c. 3/4" bolt @ 38" o.c.
SW-A 4TH / 3RD	WALL SHEATHING WALL SHEATHING FASTENERS BOTTOM PLT TO DBL. TOP PLT'S	1/2" osb sheathing both sides .131x2.5 nails @ 6" o.c. at edges and 12" o.c. in field 3/4" bolt @ 20" o.c.
SW-A 3RD / 2ND	WALL SHEATHING WALL SHEATHING FASTENERS BOTTOM PLT TO DBL. TOP PLT'S	1/2" osb sheathing both sides .131x2.5 nails @ 4" o.c. at edges and 12" o.c. in field 3/4" bolt @ 14" o.c.
SW-A 2ND / 1ST	WALL SHEATHING WALL SHEATHING FASTENERS BOTTOM PLT TO DBL. TOP PLT'S	1/2" osb sheathing both sides .148x2.5 nails @ 4" o.c. at edges and 12" o.c. in field 3/4" bolt @ 10" o.c.
SW-A 1ST / SLAB	BOTTOM PLT TO THICKENED SLAB	3/4" x 7" TITEN HD bolts @ 16" o.c. w/ 5-1/2" nominal embedment

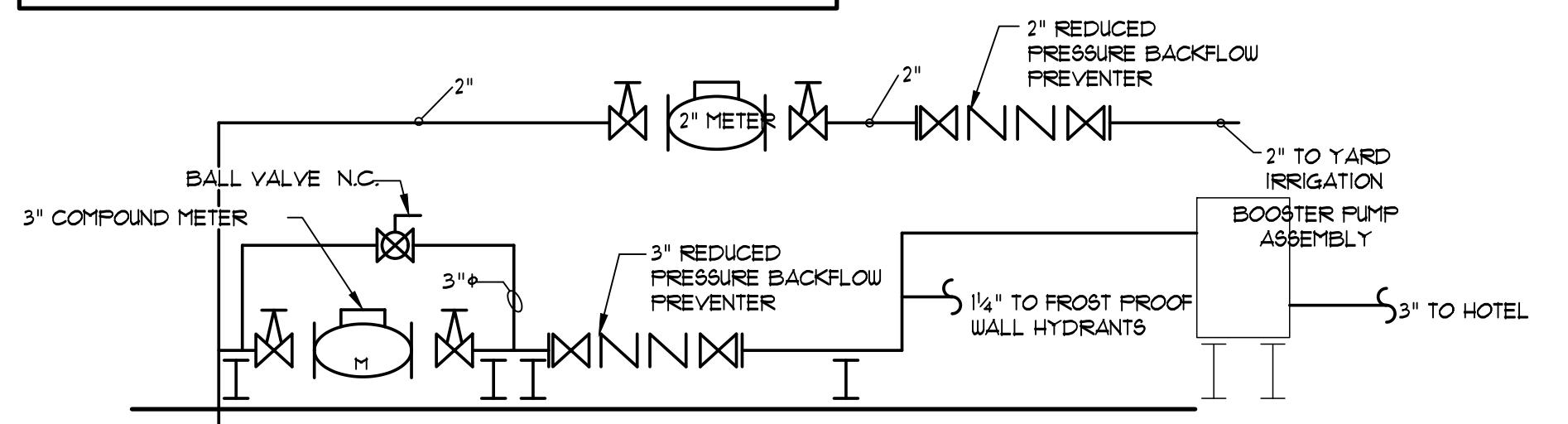
NON-BEARING SHEAR WALL CONSTRUCTION

CHART #3

ALL WALL SHEATHING IS APA RATED 1/2" OSB OR 1/2" PLYWOOD WITH ALL EDGES BLOCKED AND NAILED PER LISTED O.C. SPACING BELOW AND AT 12" O.C. IN THE FIELD. FOR TWO SIDED SHEAR WALLS OFFSET PANEL JOINTS FROM ONE SIDE TO THE OTHER SO PANEL JOINTS DO NOT LAND ON SAME STUD.

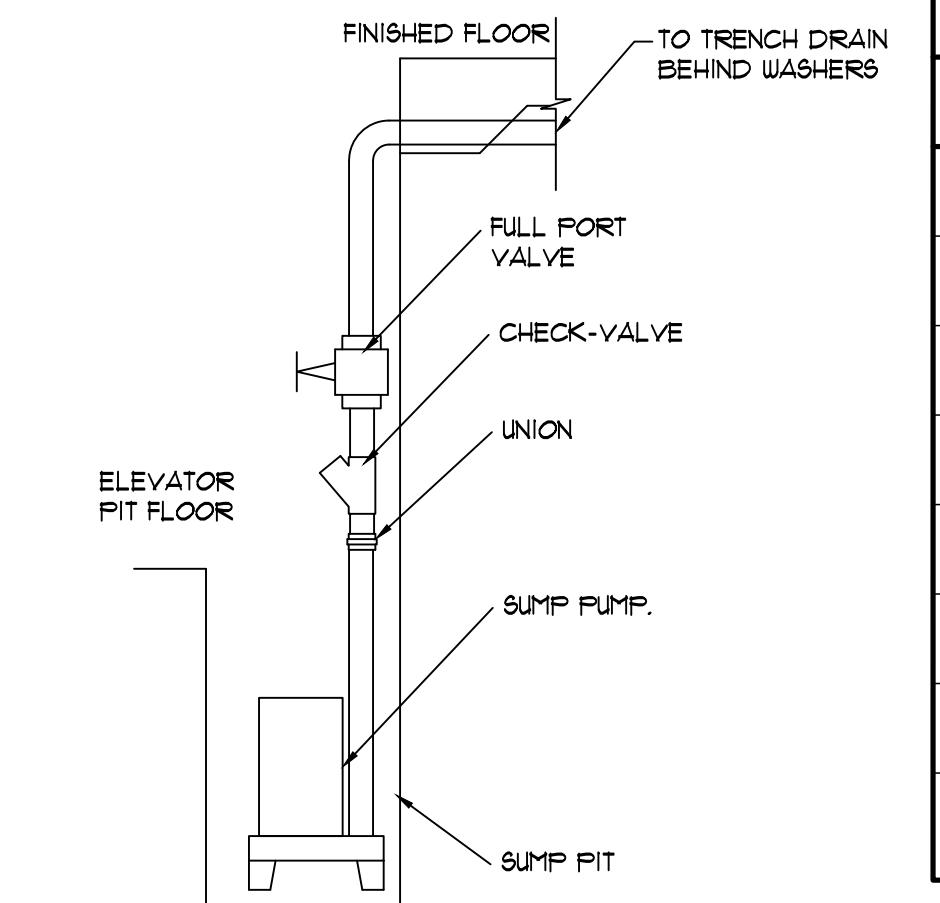
MARK / LEVEL	SHEAR WALL COMPONENT	COMPONENT REQUIREMENTS
SW-B ROOF / 4TH	WALL SHEATHING WALL SHEATHING FASTENERS ROOF SHEATHING TO DBL. TOP PLATE	1/2" osb sheathing one side .131x2.5 nails @ 6" o.c. at edges and 12" o.c. in field .0.131x3" nails @ 9" o.c. 3/4" bolt @ 77" o.c.
SW-B 4TH / 3RD	WALL SHEATHING WALL SHEATHING FASTENERS BOTTOM PLT TO DBL. TOP PLT'S	1/2" osb sheathing one side .131x2.5 nails @ 6" o.c. at edges and 12" o.c. in field 3/4" bolt @ 40" o.c.
SW-B 3RD / 2ND	WALL SHEATHING WALL SHEATHING FASTENERS BOTTOM PLT TO DBL. TOP PLT'S	1/2" osb sheathing one side .131x2.5 nails @ 4" o.c. at edges and 12" o.c. in field 3/4" bolts @ 27" o.c.
SW-B 2ND / 1ST	WALL SHEATHING WALL SHEATHING FASTENERS BOTTOM PLT TO DBL. TOP PLT'S	1/2" osb sheathing one side .148x2.5 nails @ 4" o.c. at edges and 12" o.c. in field 3/4" bolts @ 21" o.c.
SW-B 1ST / SLAB	BOTTOM PLT TO THICKENED SLAB	3/4" x 7" TITEN HD bolts @ 8" o.c. w/ 5-1/2" nominal embedment

COLD WATER
HOT WATER
HOT WATER RETURN
SANITARY VENT
SANITARY SEWER
ROOF DRAIN
GAS



① ELEVATION DETAIL IN METER ROOM

SCALE: NT.S.



② ELEVATOR PIT DETAIL

SCALE: NOT TO SCALE

TABLE - 1

Fixture*	Cold	Hot
WC - TANK	5	
LAV / SINK	1.5	1.5
URINAL	5	
SERVICE SINK	2.5	2.5
DF / EUC LAV	5	
SHOWER / TUB LAV	2	2
C. WASHER	6	6
3 - COMP. SINK	2	2

1. ALL MODEL NUMBERS BASED ON ZURN, WATTS, SIOUX CITY OR PRECISION PLUMBING PRODUCTS OR APPROVED EQUALS.
2. SIZE UNITS BY REFERRING TO TABLE - 1 FOR FIXTURE UNIT LOAD AND TABLE - 2 FOR WATER HAMMER ARRESTOR SIZE AND MODEL NUMBER.

3. ARRESTERS SHALL HAVE ASSESS 1012.6M CERTIFICATION, INSTALL PER PDI STANDARD PDI-WH-201

TABLE - 2

PDI SIZE	PIPE SIZE	Fixture Unit Load	Model Number
A	1/2"	1 - 11	*100
B	3/4"	12 - 32	*200
C	1"	33 - 60	*300
D	1 1/4"	61 - 113	*400
E	1 1/2"	114 - 154	*500
F	2"	155 - 330	*600

FIELD VERIFY WATER PRESSURE AT BEGINNING OF CONSTRUCTION TO CONFIRM REQUIREMENTS REPORTED @ 83 PSI AND REPORTED @ 20 GRAINS HARDNESS, FIELD VERIFY.

WATER HEATER:
(6 REQUIRED) BOCK OPTITHERM QT199N WATER HEATERS 189,000 BTUH, (1) BAG PTA-30V EXPANSION TANK FOR EACH WATER HEATER WATER HEATER CAPACITY 100 GAL EA

RECIRCULATING PUMP:
(2) BELL & GOSSETT MODEL #NP 22 OR GRUNDFOS MODEL #UP-15-42-6F OR APPROVED EQUAL.

BACK FLOW PREVENTER:
ZURN MODEL 3" ZURN MDL #315AMS REDUCER PRESSURE FOR DOMESTIC 2" ZURN MDL #315 INSTALLED AT THE YARD IRRIGATION SUPPLY LINE.

THERMOSTATIC MIXING VALVE:
ARMSTRONG (THE BRAIN) MODEL DRV40-AD3 WITH THERMOMETER INSTALL PER MANUFACTURERS RECOMMENDATIONS

ZURNWILKIN MODEL 1010 THERMOSTATIC MIXING VALVE SET AT 110° TO BE INSTALLED ON THE HOT SIDE OF ALL PUBLIC SHOWERS, LAVATORIES AND HAND WASHING SINKS

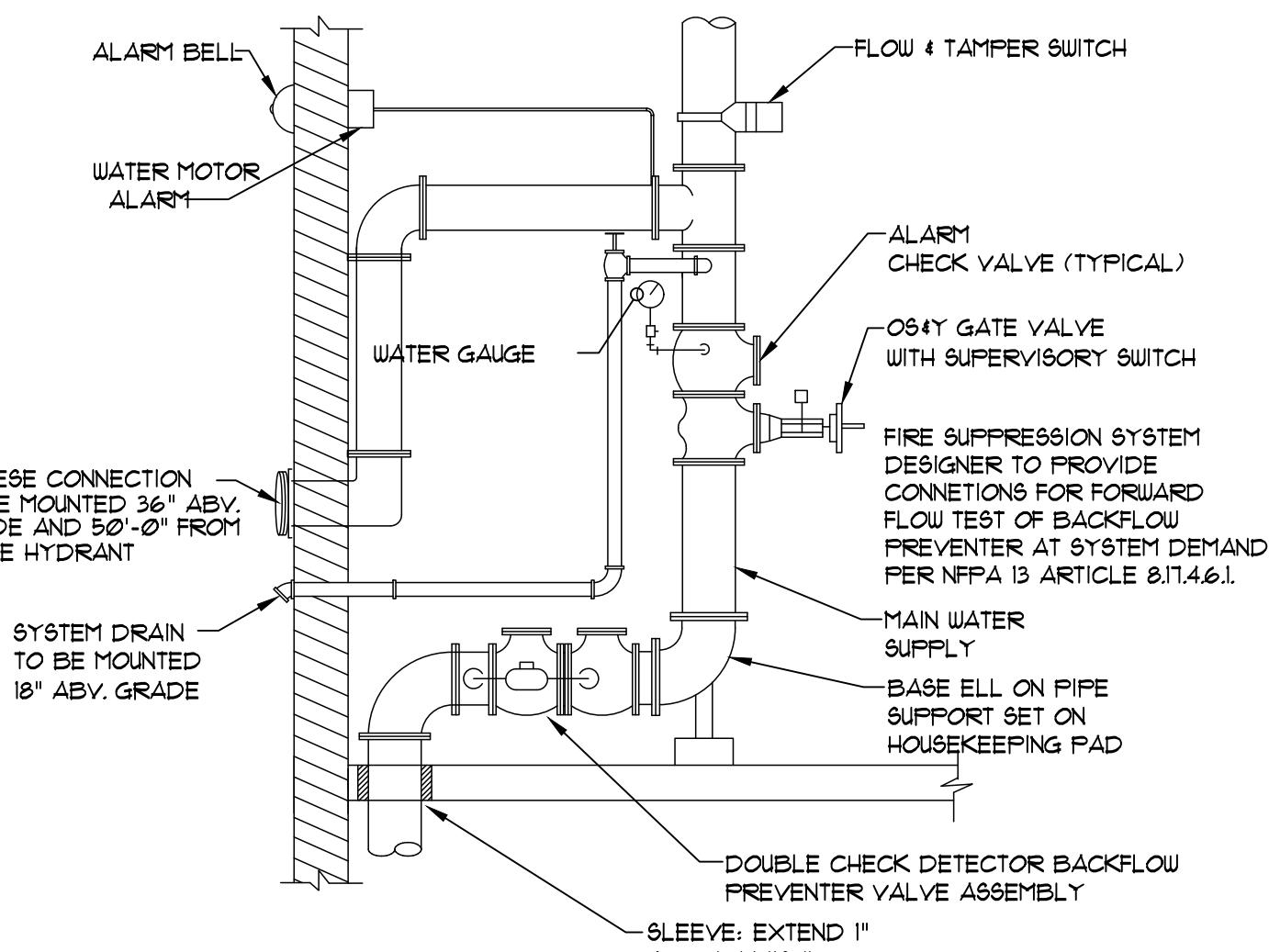
BALANCING VALVE:
CIRCUIT SOLVER BALANCING VALVES AS MANUFACTURED BY ThermoMetech CS-1/2-110 UNLESS PIPE SIZE IS LARGER THAN MATCH PIPE SIZE

WATER SOFTENER:
CULLIGAN CTM 210-FF TRIPLEX SYSTEM WITH PROGRESSIVE FLOW, OR EQUAL

SUMP PUMP:
(2 REQUIRED FOR ELEVATORS)
(1 REQUIRED FOR POOL) ZOELLER SUMP PUMP AQUA-MATE NT6 11BV 1/2 HP

ZOELLER SUMP PUMP AQUA-MATE NT2 11BV 3/10 HP

③ WATER HAMMER ARRESTERS



④ TYPICAL SPRINKLER RISER DETAIL

NO SCALE

COUNT	TYPE	Fixture	Drainage Fixture Units		Water Supply Fixture Units				
			EA	Total	Cold	Hot	Total Hot	EA	
92	P1	TANK TOILET	3	276	2.2	0.0	0.0	2.2	202.4
5	P2	ADA TANK TOILET	3	15	2.2	0.0	0.0	2.2	11.0
2	P3	ADA FLUSH VALVE TOILET	8	16	10.0	0.0	0.0	10.0	20.0
92	P4	COUNTERTOP LAV - GUEST ROOM	1	92	0.5	0.5	48.3	0.7	64.4
7	P5	ADA COUNTERTOP LAV	1	7	0.5	0.5	3.7	0.7	4.9
1	P6	BOTTLE FILSTATION	2	2	0.3	0.0	0.0	0.3	0.3
4	P7	ADA TUB/SHOWER	2	8	1.0	1.0	4.0	1.4	5.6
1	P8	H.C. SHOWER	2	2	1.0	1.0	1.0	1.4	1.4
92	P9	SHOWER	2	184	1.0	1.0	92.0	1.4	128.8
1	P10	POOL SHOWER	2	2	1.0	1.0	1.0	1.4	1.4
1	P11	SINGLE SINK EMPLOYEE BREAK RM	2	2	1.0	1.0	1.0	1.4	1.4
1	P12	PREP SINK	2	2	1.0	1.0	1.0	1.4	1.4
1	P13	HAND WASH SINK	2	2	1.0	1.0	1.0	1.4	1.4
1	P14	TRIPLE SINK	1	1	1.5	1.5	1.5	2.0	2.0
2	P15	3" FLOOR SINK	3	6	0.0	0.0	0.0	0.0	0.0
1	P16	LAUNDRY SINK	2	2	2.3	2.3	2.3	3.0	3.0
1	P17	MOP SINK	2	2	2.3	2.3	2.3	3.0	3.0
1	P18	URN TROUGH	1	1	0.0	0.0	0.0	0.0	0.0
17	P19	3" FLR DRAIN	3	51	0.0	0.0	0.0	0.0	0.0
2	P20	4" FLR DRAIN	4	8	0.0	0.0	0.0	0.0	0.0
1	P21	ELECTRIC DRINKING FOUNTAIN	2	2	0.3	0.0	0.0	0.3	0.3
5	P22	EYEWASH	0	0	0.0	0.0	0.0	0.0	0.0
1	P23	WASHER BOX	3	6	3.0	3.0	6.0	4.0	8.0
2	P24	HOSE-BIB	0	0	1.0	0.0	0.0	1.0	2.0
5	P25	WALL HYDRANT	0	0	1.0	0.0	0.0	1.0	5.0
1	P26	YARD HYDRANT	0	0	1.0	0.0	0.0	1.0	1.0
1	P27	COM. CLOTHS WASHER W/ 6" TRENCH DRAIN	6	6	6.0	6.0	6.0	8.0	8.0
1	P28	4" TRENCH DRAIN	6	6	0.0	0.0	0.0	0.0	0.0
342	TOTALS			701			171.0	476.7	

EQUIPMENT SCHEDULE:

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