

STRAP TIE HOLDOWN SCHEDULE:
(ALSO SEE CURRENT SIPHON STRONG-TIE CATALOG)

WELDON	HEIGHT FROM FIN	HEIGHT FROM FIN	ANCHOR BOLT IN WALL	STRAP LENGTH	MIN. ANCHOR ROD
17408	4"	4"	(2) #4	18"	18"
17409	4"	4"	(2) #4	18"	18"
17410	4"	4"	(2) #4	18"	18"

NOTES:
 1. INSTALL ALL WELDON TIE SIPHON SPECIFICATIONS, MAINTAINING REQUIRED CLEAR DISTANCES.
 2. SPECIAL INSPECTION IS REQUIRED AT ALL POINTS SET RETIE AT WELDON. CONTACT ENGINEER OF RECORD TO SCHEDULE.
 3. SEE THE DRAWING FOR THE LOCATION OF THE WELDON TIE AT THE WELDON.

3/8" SHEAR WALL SCHEDULE

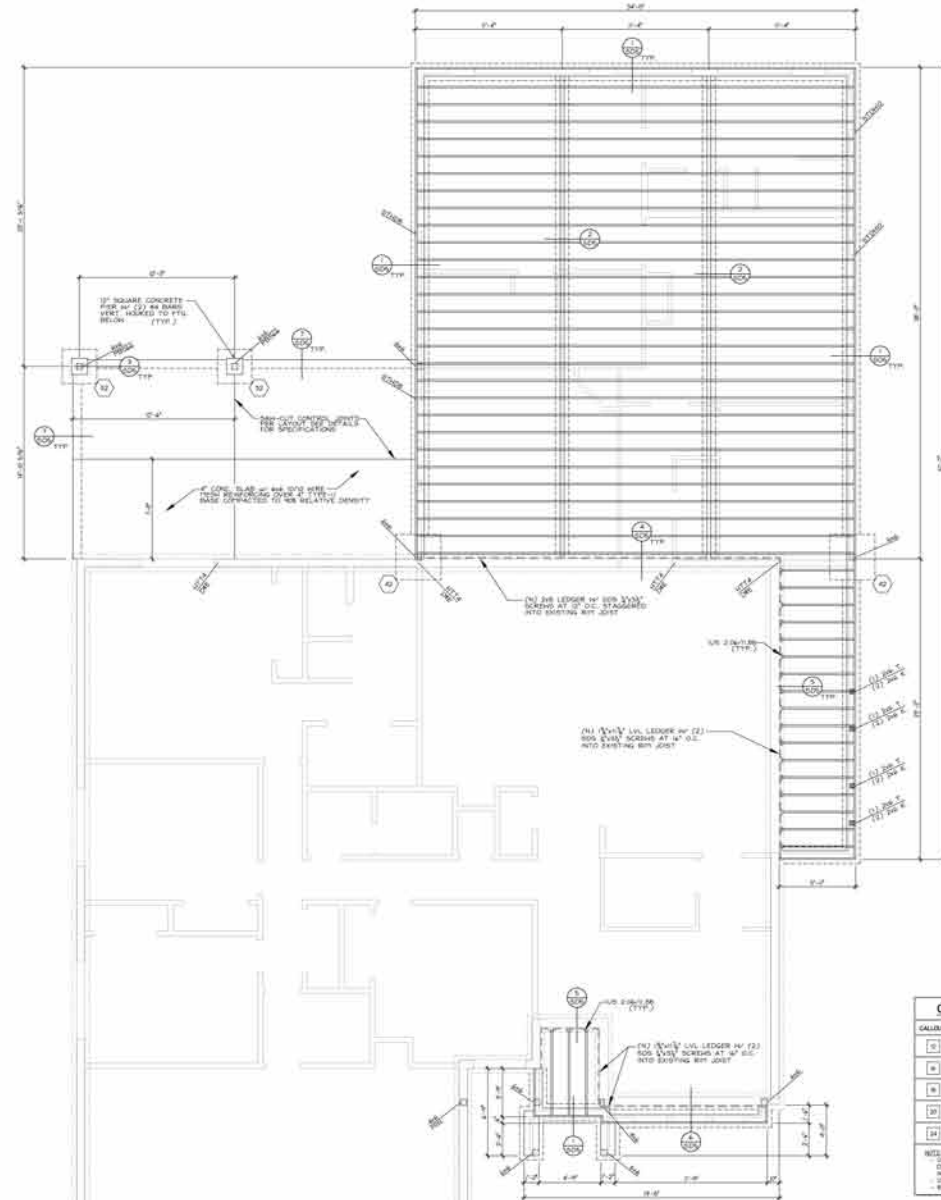
SHEAR WALL TYPE	SEAL JOINT	EDGE WALL (FEET) OR CORNER	NO. STUDS AT ASSEMBLY WALL JOINT	NO. PLATE REINFORCING	WALL / WELDON AT WALL PLATE REINFORCING	WELDON ONLY SCHEDULE
1	V	NA AT 4' O.C.	40	40	NA AT 4' O.C.	40' O.C.
2	V	NA AT 4' O.C.	40	40	NA AT 4' O.C.	40' O.C.
3	V	NA AT 4' O.C.	100	100	800 3/4" x 4' O.C.	40' O.C.
4	V	NA AT 4' O.C.	100	100	800 3/4" x 4' O.C.	40' O.C.
5	V	NA AT 4' O.C.	100	100	800 3/4" x 4' O.C.	40' O.C.
6	V	NA AT 4' O.C.	100	100	800 3/4" x 4' O.C.	40' O.C.
7	V	NA AT 4' O.C.	100	100	800 3/4" x 4' O.C.	40' O.C.
8	V	NA AT 4' O.C.	100	100	800 3/4" x 4' O.C.	40' O.C.

NOTES:
 1. THE UPPER WALL FIELD HAS AT 4' O.C. UNLESS OTHERWISE NOTED.
 2. USE V FOR VERTICAL, OR H FOR HORIZONTAL. THIS SCHEDULE IS ACCEPTABLE FOR ALL WALLS AT TOP PLATE, PROVIDED ALL WALLS HAVE PLATE AND ALL STUDS AT WELDON.
 3. THE SCHEDULE IS TO BE USED FOR ALL WALLS, UNLESS OTHERWISE NOTED.
 4. PROVIDE REINFORCEMENT AT ALL WELDON JOINTS OF SHEAR WALLS.
 5. DOUBLE REINFORCEMENT TO HAVE SCHEDULE ON BOTH SIDES (OPPOSITE PLATE EDGE).
 6. PROVIDE 1/2" COMPACTED GRANULAR FILL TO ALL INTEGRATED SCHEDULE (2) WELDON BOLTS TO THE WELDON JOINTS. IF FIRST BOLT IS NOT PLACED, WELDON BOLTS SHALL HAVE A MIN OF 4" SPACING INTO LINE.
 7. WELDON BOLTS SET 4" FROM WALL TO WALL TOGETHER.
 8. (2) WELDON BOLTS AT 4' O.C. STAGGERED.

FOUNDATION HOLDOWN SCHEDULE:
(ALSO SEE CURRENT SIPHON STRONG-TIE CATALOG)

WELDON	C SCHEDULE	HEIGHT FROM FIN	ANCHOR BOLT IN WALL	TYPICAL HOLD DOWN OPTION		SIPHON BOLT		RETIRED PT. OPTIONS	
				NO. STUDS AT ASSEMBLY WALL JOINT	NO. WELDON BOLT	SINGLE FLOOR	CON. FLOOR	TYPE AND SIZE	SPACING AND SET POINT
17114	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17115	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17005	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17006	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17007	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17008	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17009	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17010	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17011	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17012	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17013	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.
17014	1	4"	(2) #4	40	40	100/100	100/100	1/2" x 4" PT. STEEL	4' O.C.

NOTES:
 1. INSTALL ALL WELDON FOR SIPHON SPECIFICATIONS, MAINTAINING REQUIRED CLEAR DISTANCES.
 2. SPECIAL INSPECTION IS REQUIRED AT ALL POINTS SET RETIE AT WELDON. CONTACT ENGINEER OF RECORD TO SCHEDULE.
 3. SEE THE DRAWING FOR THE LOCATION OF THE WELDON TIE AT THE WELDON.



Foundation Plan:
SCALE: 1/4" = 1'-0"

CONTINUOUS FOOTINGS:

CALLOUT	WIDTH	DEPTH	STEEL (CONTINUOUS)
1	12"	12"	(2) #4 BARS CONT.
2	12"	12"	(2) #4 BARS CONT.
3	12"	12"	(2) #4 BARS CONT.
4	12"	12"	(2) #4 BARS CONT.
5	12"	12"	(2) #4 BARS CONT.
6	12"	12"	(2) #4 BARS CONT.

NOTES:
 1. USE 3000 PSI CONCRETE FOR ALL FOOTINGS, UNLESS OTHERWISE NOTED.
 2. USE WITH A-10 GRACE AS REBAR, U.N.C.
 3. REBAR SHALL BE 4' CLEAR, TYPICAL.

SPREAD FOOTINGS:

CALLOUT	WIDTH (BACK BAY)	DEPTH	STEEL (BACK BAY)
7	12"	12"	(2) #4 BARS 0.4
8	24"	12"	(3) #4 BARS 0.4
9	12"	12"	(2) #4 BARS 0.4
10	12"	12"	(2) #4 BARS 0.4

NOTES:
 1. USE 3000 PSI CONCRETE FOR ALL FOOTINGS, UNLESS OTHERWISE NOTED.
 2. USE WITH A-10 GRACE AS REBAR, U.N.C.
 3. REBAR SHALL BE 4' CLEAR, TYPICAL.



SPECIAL INSPECTION REQUIRED AT ALL WALL & JOINT HOLDOWNS

ADDITION/REMODEL NOTES:
 THIS PROJECT IS AN ADDITION/REMODEL OF AN EXISTING STRUCTURE. THE STRUCTURAL DESIGN FOR THE PROJECT HAS BEEN BASED ON THE EXISTING AS-BUILT CONDITIONS. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AT THE TIME OF CONSTRUCTION. ALL PARTIES SHALL MAINTAIN THE ORIGINAL RECORD FOR THE PROJECT. ALL DIMENSIONS INDICATED ON THE DRAWING SHALL BE SUBJECT TO THE ATTENTION OF THE ARCHITECT AND GEOTECHNICAL ENGINEERING FIRM(S).

FOUNDATION NOTES:
GENERAL AND DESIGN:
 1. USE 3000 PSI CONCRETE FOR ALL FOOTINGS, UNLESS OTHERWISE NOTED.
 2. USE WITH A-10 GRACE AS REBAR, U.N.C.
 3. REBAR SHALL BE 4' CLEAR, TYPICAL.
WELDON:
 1. USE WELDON TIE SIPHON SPECIFICATIONS, MAINTAINING REQUIRED CLEAR DISTANCES.
 2. SPECIAL INSPECTION IS REQUIRED AT ALL POINTS SET RETIE AT WELDON. CONTACT ENGINEER OF RECORD TO SCHEDULE.
 3. SEE THE DRAWING FOR THE LOCATION OF THE WELDON TIE AT THE WELDON.
STRAP HOLDOWN:
 1. USE STRAP HOLDOWN TIE SIPHON SPECIFICATIONS, MAINTAINING REQUIRED CLEAR DISTANCES.
 2. SPECIAL INSPECTION IS REQUIRED AT ALL POINTS SET RETIE AT STRAP HOLDOWN. CONTACT ENGINEER OF RECORD TO SCHEDULE.
 3. SEE THE DRAWING FOR THE LOCATION OF THE STRAP HOLDOWN TIE AT THE STRAP HOLDOWN.
ANCHOR BOLT:
 1. USE ANCHOR BOLT TIE SIPHON SPECIFICATIONS, MAINTAINING REQUIRED CLEAR DISTANCES.
 2. SPECIAL INSPECTION IS REQUIRED AT ALL POINTS SET RETIE AT ANCHOR BOLT. CONTACT ENGINEER OF RECORD TO SCHEDULE.
 3. SEE THE DRAWING FOR THE LOCATION OF THE ANCHOR BOLT TIE AT THE ANCHOR BOLT.
PLATE:
 1. USE PLATE TIE SIPHON SPECIFICATIONS, MAINTAINING REQUIRED CLEAR DISTANCES.
 2. SPECIAL INSPECTION IS REQUIRED AT ALL POINTS SET RETIE AT PLATE. CONTACT ENGINEER OF RECORD TO SCHEDULE.
 3. SEE THE DRAWING FOR THE LOCATION OF THE PLATE TIE AT THE PLATE.
STUD:
 1. USE STUD TIE SIPHON SPECIFICATIONS, MAINTAINING REQUIRED CLEAR DISTANCES.
 2. SPECIAL INSPECTION IS REQUIRED AT ALL POINTS SET RETIE AT STUD. CONTACT ENGINEER OF RECORD TO SCHEDULE.
 3. SEE THE DRAWING FOR THE LOCATION OF THE STUD TIE AT THE STUD.
FORMWORK:
 1. USE FORMWORK TIE SIPHON SPECIFICATIONS, MAINTAINING REQUIRED CLEAR DISTANCES.
 2. SPECIAL INSPECTION IS REQUIRED AT ALL POINTS SET RETIE AT FORMWORK. CONTACT ENGINEER OF RECORD TO SCHEDULE.
 3. SEE THE DRAWING FOR THE LOCATION OF THE FORMWORK TIE AT THE FORMWORK.

LOWER FLOOR FRAMING NOTES:
GENERAL:
 1. USE 3000 PSI CONCRETE FOR ALL FLOOR SLABS, UNLESS OTHERWISE NOTED.
 2. USE WITH A-10 GRACE AS REBAR, U.N.C.
 3. REBAR SHALL BE 4' CLEAR, TYPICAL.
WELDON:
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 3. SEE THE DRAWING FOR THE LOCATION OF THE ANCHOR BOLT TIE AT THE ANCHOR BOLT.
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FORMWORK:
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WALL FRAMING NOTES:
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 3. SEE THE DRAWING FOR THE LOCATION OF THE FORMWORK TIE AT THE FORMWORK.

colovich engineering
 1550 Swan Circle
 Reno, NV 89509
 P: 775.250.4133
 E: gton@colovichengineering.com

Minnetonka Circle Residence
 15615 Minnetonka Cir.
 Washoe County
 Reno, Nevada 89521

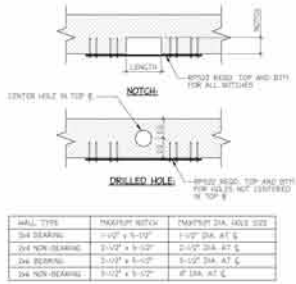
Revisions:

No.	Description

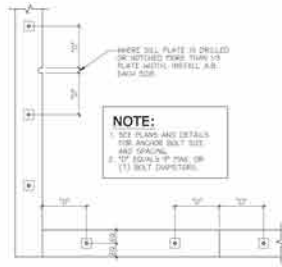
Foundation Plan

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 Job: 005_10

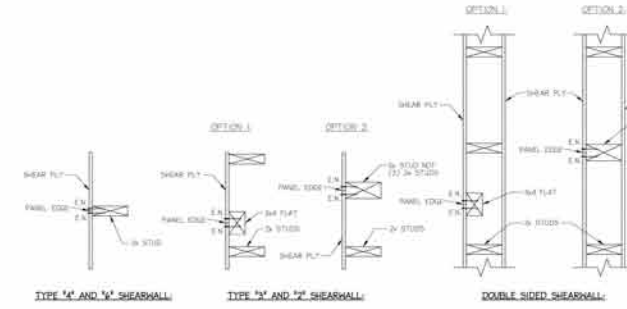
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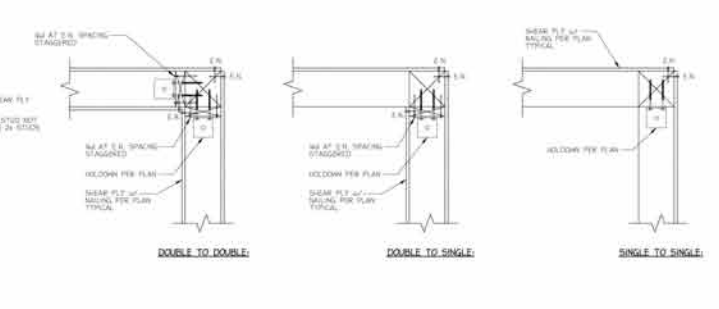
15 Notch in Top Plate
SCALE: 1/2" = 1'-0"



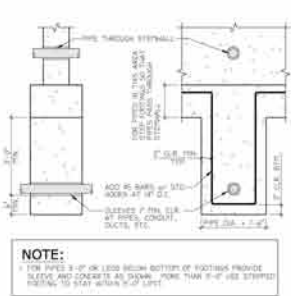
14 Sill Plate Detail
SCALE: 1/2" = 1'-0"



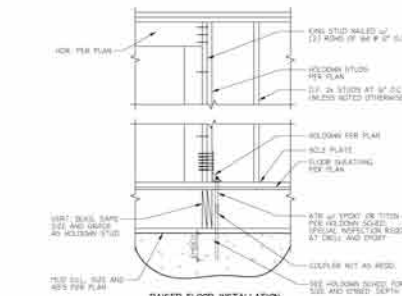
13 Shear Wall Edge Member
SCALE: 1/2" = 1'-0"



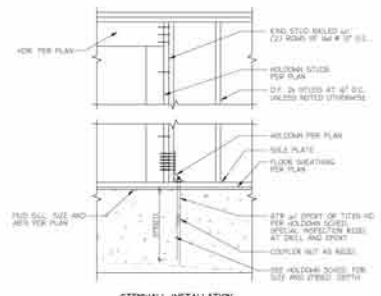
12 Holdown in Corner Detail
SCALE: 1/2" = 1'-0"



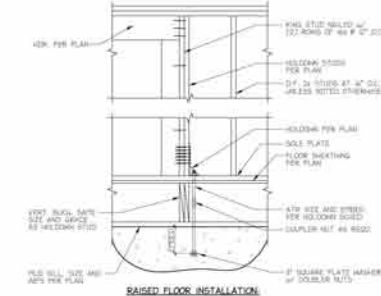
11 Pipe Through Stemwall
SCALE: 1/2" = 1'-0"



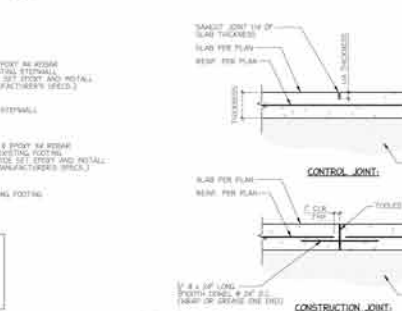
10 Retro-Fit Holdown Detail
SCALE: 1/2" = 1'-0"



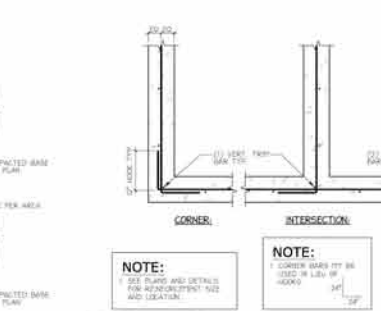
9 Holdown Detail
SCALE: 1/2" = 1'-0"



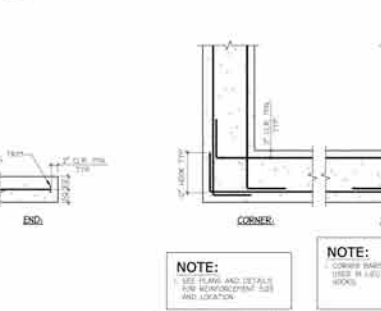
8 New/Existing Foundation Connection
SCALE: 1/2" = 1'-0"



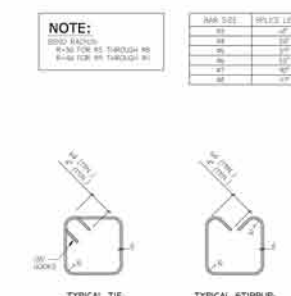
7 Slab Joint Detail
SCALE: 1/2" = 1'-0"



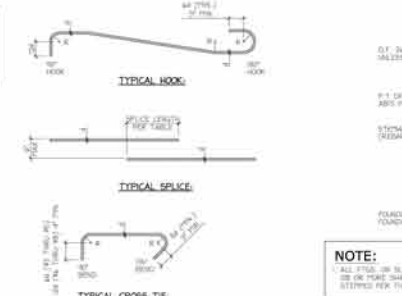
6 Stemwall Reinforcement
SCALE: 1/2" = 1'-0"



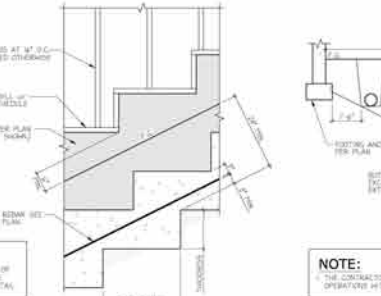
5 Footing Reinforcement
SCALE: 1/2" = 1'-0"



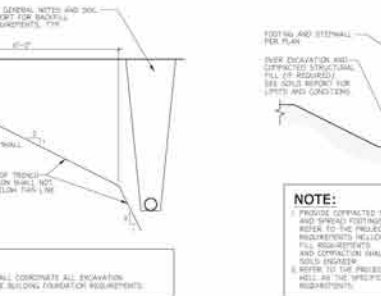
4 Typical Rebar Bends and Hooks
SCALE: 1/2" = 1'-0"



3 Stepped Footing Detail
SCALE: 1/2" = 1'-0"



2 Trench Detail
SCALE: 1/2" = 1'-0"



1 Soil Preparation Detail
SCALE: 1/2" = 1'-0"

EDWARDS engineering
1550 Swan Circle
Reno, NV 89507
775.250.4133
info@edwardsengineering.com

Minnetonka Circle Residence
15615 Minnetonka Cir
Washoe County
Reno, Nevada 89521

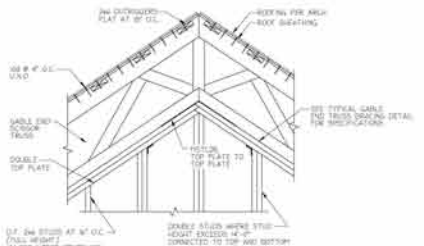
Revisions:

General Structural Details

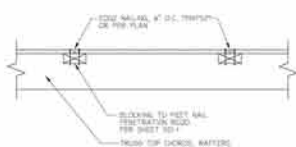
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Rev: 005_10

SD-2

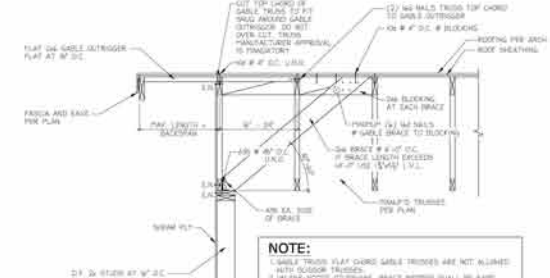
13 Raked Gable Wall (Trusses)
SCALE: 1/4" = 1'-0"



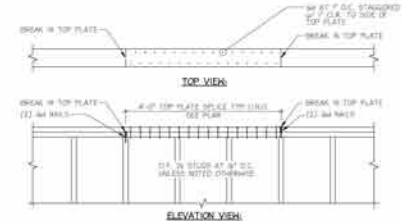
12 Blocked Diaphragm Detail
SCALE: 1/4" = 1'-0"



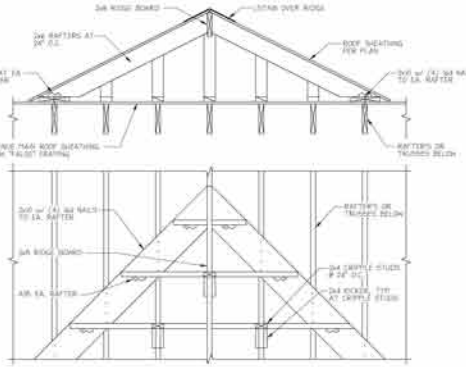
11 Gable Truss Bracing
SCALE: 1/4" = 1'-0"



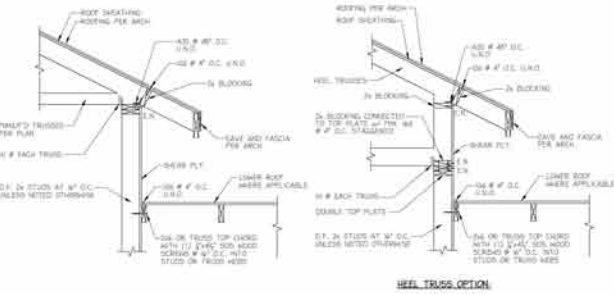
10 Top Plate Splice Detail
SCALE: 1/4" = 1'-0"



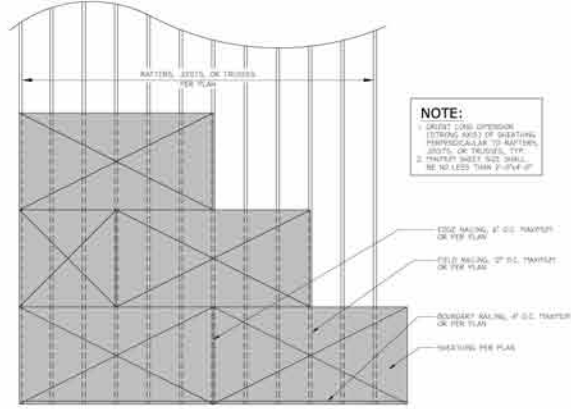
9 California Framing Detail
SCALE: 1/4" = 1'-0"



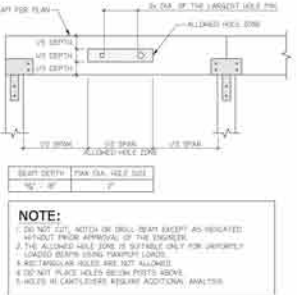
8 Typical Truss at Eave
SCALE: 1/4" = 1'-0"



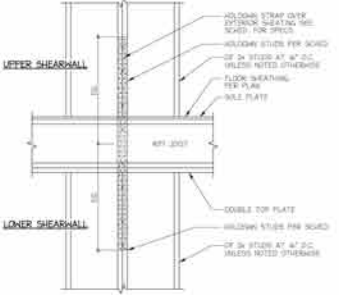
7 Horizontal Sheathing Layout Detail
SCALE: 1/4" = 1'-0"



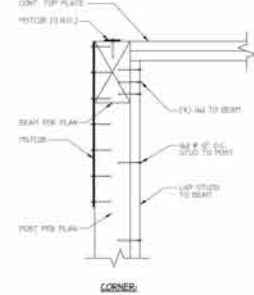
6 Hole in Beam Detail
SCALE: 1/4" = 1'-0"



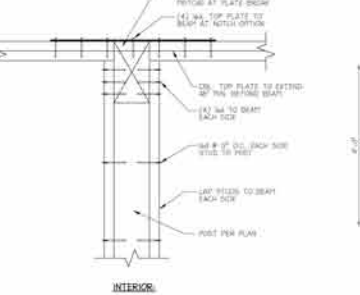
5 Floor to Floor Holdown
SCALE: 1/4" = 1'-0"



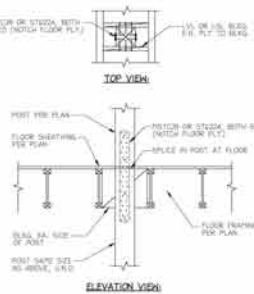
4 Beam Pocket Detail
SCALE: 1/4" = 1'-0"



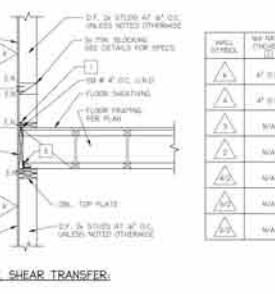
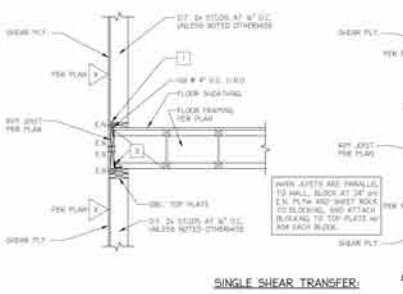
3 Hole in Diaphragm Detail
SCALE: 1/4" = 1'-0"



2 Post Splice at Floor
SCALE: 1/4" = 1'-0"



1 Floor to Floor Shear Transfer
SCALE: 1/4" = 1'-0"



WALL SHEATHING	W/ NAILS (TRUSS)	SOLO/W/ (FLOOR)	W/ SHEATHING (TRUSS)	LONG SHEATHING (FLOOR)
1/2" OSB	1/2" OSB	1/2" OSB	1/2" OSB	1/2" OSB
5/8" OSB	5/8" OSB	5/8" OSB	5/8" OSB	5/8" OSB
1" OSB	1" OSB	1" OSB	1" OSB	1" OSB
1 1/4" OSB	1 1/4" OSB	1 1/4" OSB	1 1/4" OSB	1 1/4" OSB
1 1/2" OSB	1 1/2" OSB	1 1/2" OSB	1 1/2" OSB	1 1/2" OSB
1 3/4" OSB	1 3/4" OSB	1 3/4" OSB	1 3/4" OSB	1 3/4" OSB
2" OSB	2" OSB	2" OSB	2" OSB	2" OSB

DOUBLE SHEAR TRANSFER: ALT. SHEAR TRANSFER:

SDI
SDI/DC/CH engineering
1550 Swan Circle
Reno, NV 89507
775.250.4133
info@sdiconv.com

Minnetonka Circle Residence
15615 Minnetonka Cir
Washoe County
Reno, Nevada 89521

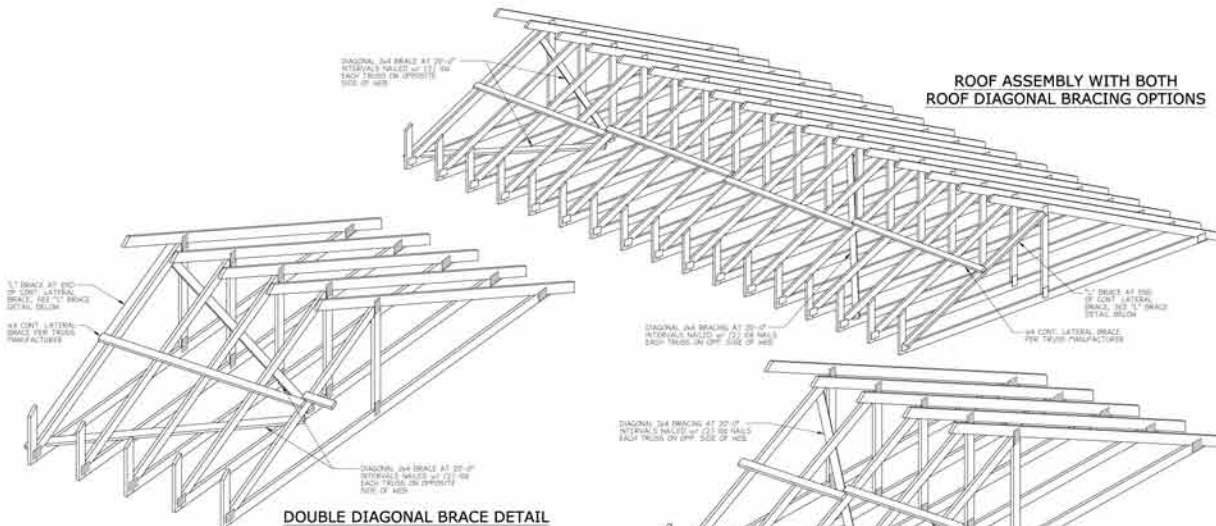
Revisions:

1	03/09/10
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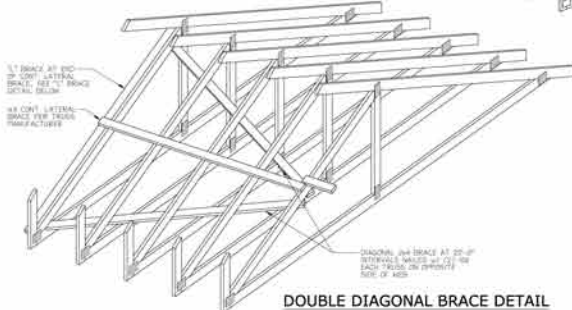
General Structural Details

Drawn: TWC Sheet
Date: 03/09/10
Checked: TWC
Rev: 005_10

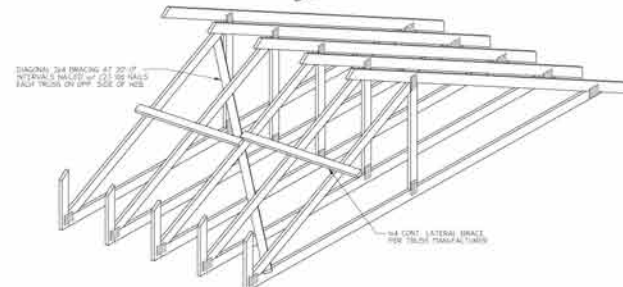
SD-3



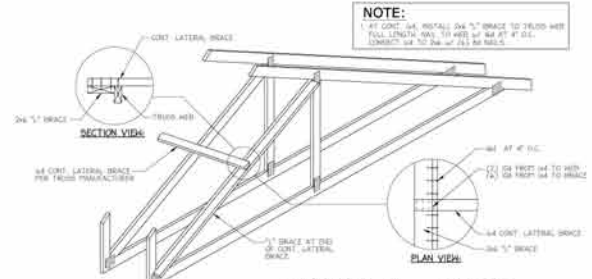
ROOF ASSEMBLY WITH BOTH ROOF DIAGONAL BRACING OPTIONS



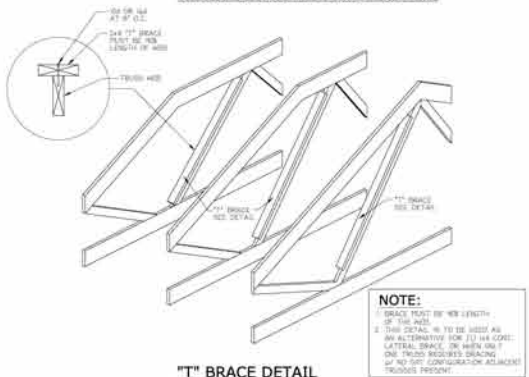
DOUBLE DIAGONAL BRACE DETAIL



SINGLE DIAGONAL BRACE DETAIL



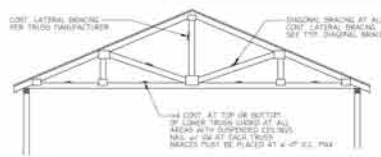
"L" BRACE DETAIL AT END OF TYP. CONT. LATERAL BRACE



"T" BRACE DETAIL

NOTE:
 1. AT CONT. 4x, INSTALL 2x4 1" BRACE TO TRUSS WEB FULL LENGTH (WV) TO WEB OF 4x AT 4' O.C. CONNECT 4x TO 2x4 w/ 2x 3/8 BOLT.

NOTE:
 1. BRACE MUST BE MIN. LENGTH OF THE WEB.
 2. THIS DETAIL IS TO BE USED AS AN ALTERNATIVE FOR (1) IN CASE LATERAL BRACE IS WHEN ONE OF ONE TRUSS RECEIVES BRACING w/ NO CONT. CONNECTION ADJACENT TRUSSES PRESENT.



NOTE:
 1. 4x CONT. LATERAL BRACE IS THE MINIMUM SIZE TO BE USED. SPACING REQUIRED TO BE GREATER OF THE TRUSS MANUFACTURER.
 2. THIS DETAIL DOES NOT APPLY AT THE CONDITION WITH LABEL TRUSS.

SDI
 SDI@SDIENGINEERING.COM
 1550 Swan Circle
 Reno, NV 89507
 P: 775.250.4133
 F: 775.250.4133

Minnetonka Circle Residence
 15615 Minnetonka Cir
 Washoe County
 Reno, Nevada 89521

Revisions:	

General Structural Details	
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