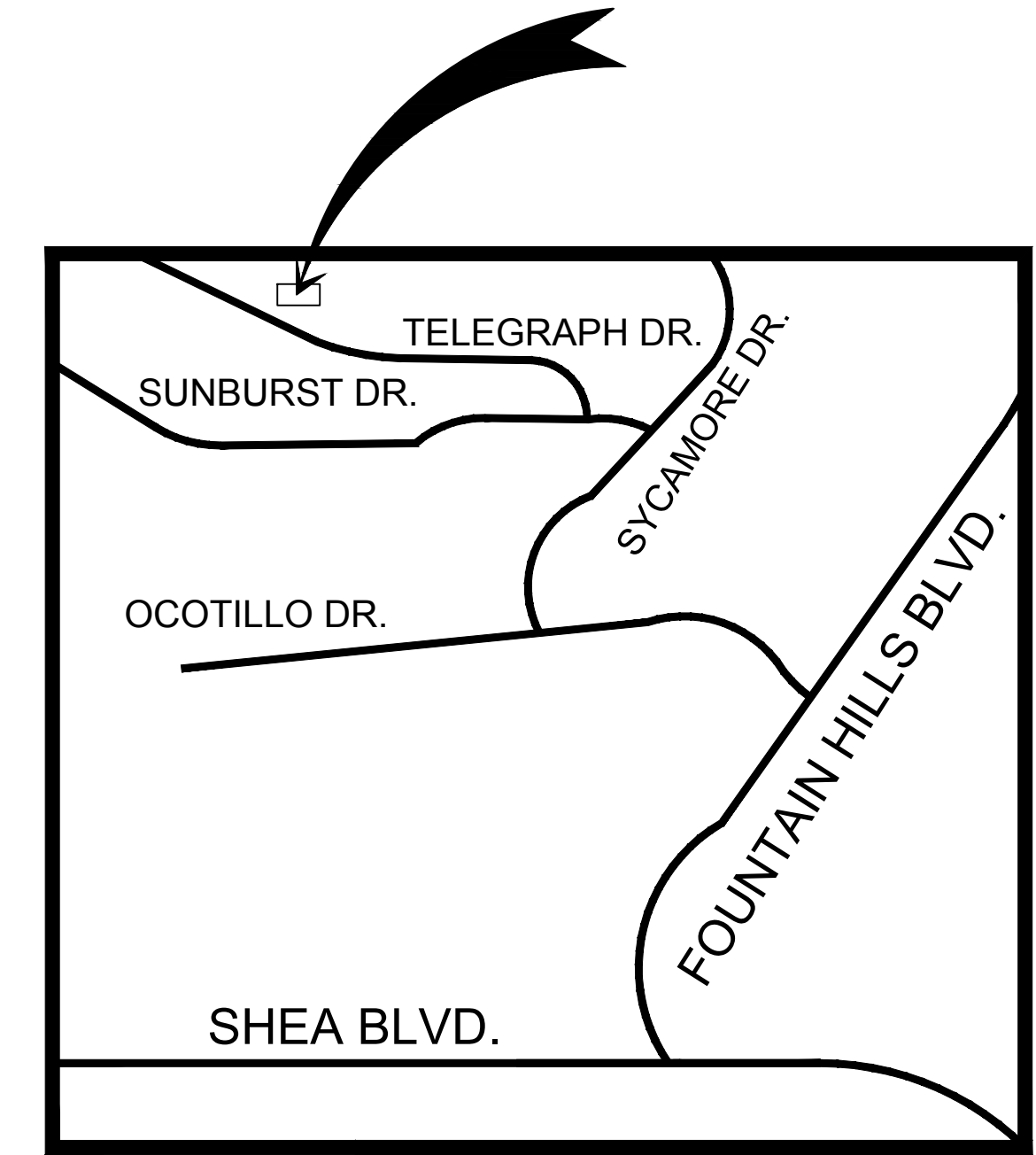


brianscottedesign  
 4127 E. Mesquite St.  
 Gilbert, AZ 85296  
 602-999-1690  
 bromney@brianscottedesign.com

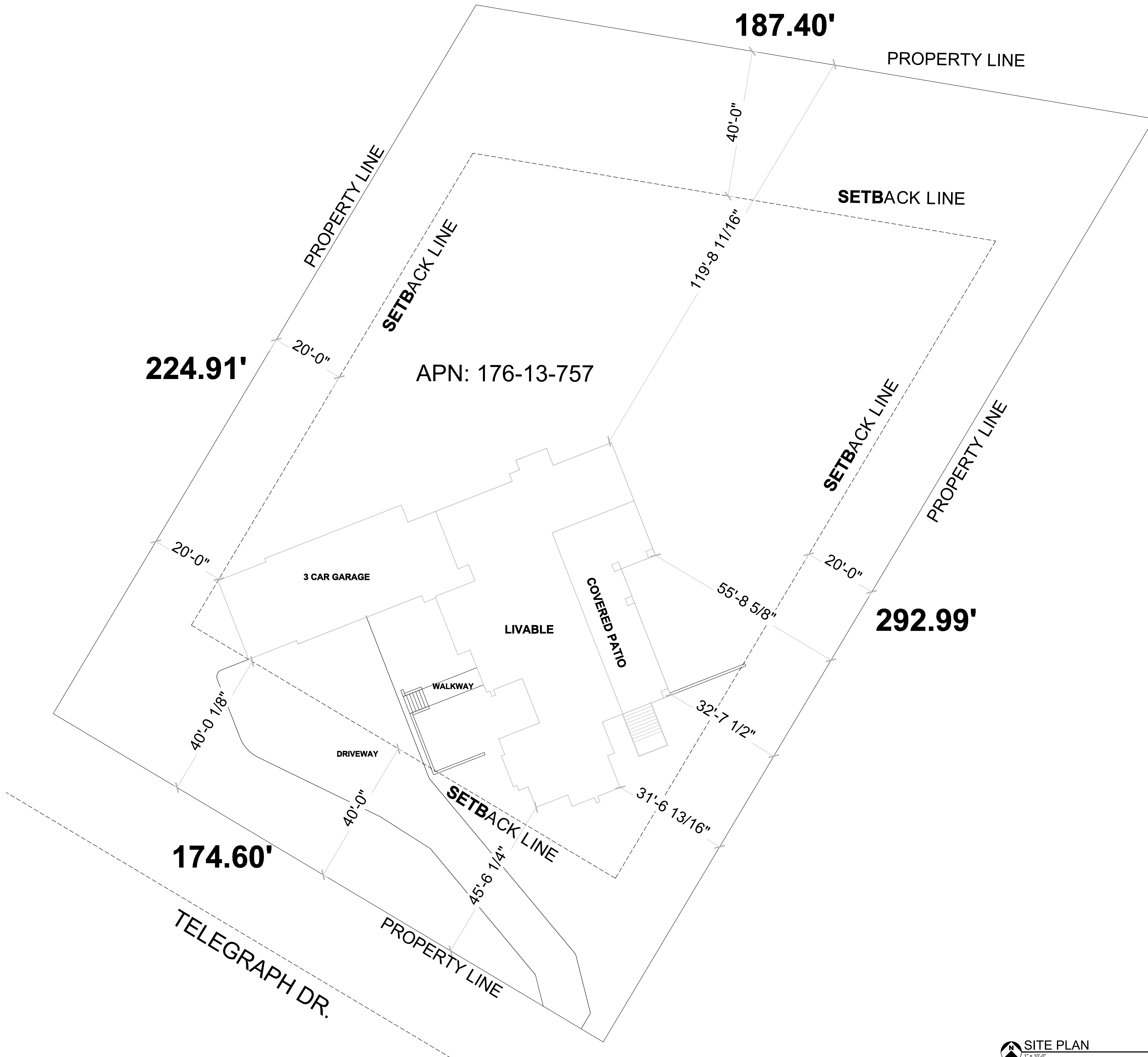
**KASNOFF RESIDENCE**

15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ.  
 85268



SITE LOCATION:  
 15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ 85268

PROJECT LOCATION MAP  
 N.T.S.



**PROPERTY INFORMATION**

OWNER:  
 GEORGE AND GINDY KAUSNOFF

ADDRESS:  
 15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ 85268

APN: 176-13-757

ZONING: R1-35

TOTAL BUILDING FOOTPRINT: 5,523 SQ. FT.

LOT SIZE: 45,276 SQ. FT.

MAXIMUM LOT COVERAGE: 20%

PROPOSED LOT COVERAGE: 12.19%

**SHEET INDEX**

ARCHITECTURALS

C1.1	COVER SHEET AND SHEET INDEX
C1.2	GENERAL ARCH. NOTES
C1.3	GENERAL ARCH. NOTES
A1.1	FIRST FLOOR PLAN
A1.2	BASEMENT FLOOR PLAN
A1.3	EXTERIOR ELEVATIONS/SECTION
A1.4	EXTERIOR ELEVATIONS
A1.5	ROOF PLANS
E1.1	ELECTRICAL FIRST FLOOR PLAN
E1.2	ELECTRICAL BASEMENT PLAN
P1.1	PLUMBING AND WASTE SCHEMATIC
P1.2	GAS SCHEMATIC
AD1	ARCHITECTURAL DETAILS
AD2	ARCHITECTURAL DETAILS
AD3	ARCHITECTURAL DETAILS
AD4	ARCHITECTURAL DETAILS
G&D-1	GRADING AND DRAINAGE
G&D-2	GRADING AND DRAINAGE
G&D-3	GRADING AND DRAINAGE
GSN	GENERAL STRUCTURAL NOTES
S10	FOUNDATION PLAN
S20	FRAMING PLAN
S21	FRAMING PLAN
S30	BRACED WALL PLAN
S31	BRACED WALL PLAN
SD1	DETAILS
SD2	DETAILS
SD3	DETAILS

**SQUARE FOOTAGE TABLE**

LIVABLE FIRST FLOOR:	2,976 SQ. FT.
LIVABLE BASEMENT:	1,176 SQ. FT.
GARAGE:	1,319 SQ. FT.
PORCHES/PATIOS:	1,804 SQ. FT.
<b>TOTAL FOOTPRINT:</b>	<b>5,523 SQ. FT.</b>

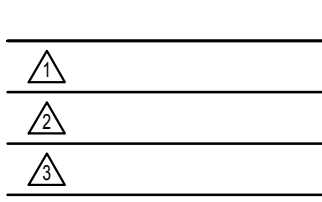
**CODE INFORMATION**

MUNICIPALITY - TOWN OF FOUNTAIN HILLS

2018 IRC  
 2018 IBC  
 2018 IRC  
 2018 IBC  
 2018 IRC  
 2018 IBC  
 2018 IRC  
 2018 IBC

TITLE: COVER SHEET/SITE PLAN  
 KASNOFF RESIDENCE

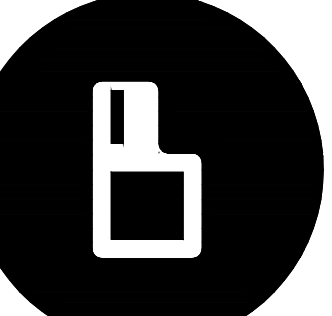
DATE: 8/06/21



SHEET NUMBER

C1.1





brianscottdesign  
4127 E. Mesquite St.  
Gilbert, AZ 85296  
602-999-1690

btromney@brianscottdesign.com

# ARCHITECTURAL

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAMED WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE AND DEPTH	CRAWL SPACE WALL R-VALUE
1	NR	0.75	0.25	30	13	34	13	0	0	0
2	0.40	0.65	0.25	38	13	46	13	0	0	0
3	0.35	0.55	0.25	38	20 OR 13-5'	813	19	513'	0	513'
4 EXCEPT MARINE	0.35	0.55	0.25	49	20 OR 13-5'	813	19	1013'	10,2 FT	1013'
5 AND MARINE A	0.32	0.55	NR	49	20 OR 13-5'	1317	30-9	1519	10,2 FT	1519
6	0.32	0.55	NR	49	20-5 OR 13-10'	1520	30-9	1519	10,4 FT	1519
7 AND 8	0.32	0.55	NR	49	20-5 OR 13-10'	1921	38-9	1519	10,4 FT	1519

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAMED WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE AND DEPTH	CRAWL SPACE WALL R-VALUE
1	NR	0.75	0.25	30	13	34	13	0	0	0
2	0.40	0.65	0.25	38	13	46	13	0	0	0
3	0.35	0.55	0.25	38	20 OR 13-5'	813	19	513'	0	513'
4 EXCEPT MARINE	0.35	0.55	0.25	49	20 OR 13-5'	813	19	1013'	10,2 FT	1013'
5 AND MARINE A	0.32	0.55	NR	49	20 OR 13-5'	1317	30-9	1519	10,2 FT	1519
6	0.32	0.55	NR	49	20-5 OR 13-10'	1520	30-9	1519	10,4 FT	1519
7 AND 8	0.32	0.55	NR	49	20-5 OR 13-10'	1921	38-9	1519	10,4 FT	1519

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAMED WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE AND DEPTH	CRAWL SPACE WALL R-VALUE
1	NR	0.75	0.25	30	13	34	13	0	0	0
2	0.40	0.65	0.25	38	13	46	13	0	0	0
3	0.35	0.55	0.25	38	20 OR 13-5'	813	19	513'	0	513'
4 EXCEPT MARINE	0.35	0.55	0.25	49	20 OR 13-5'	813	19	1013'	10,2 FT	1013'
5 AND MARINE A	0.32	0.55	NR	49	20 OR 13-5'	1317	30-9	1519	10,2 FT	1519
6	0.32	0.55	NR	49	20-5 OR 13-10'	1520	30-9	1519	10,4 FT	1519
7 AND 8	0.32	0.55	NR	49	20-5 OR 13-10'	1921	38-9	1519	10,4 FT	1519

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAMED WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE AND DEPTH	CRAWL SPACE WALL R-VALUE
1	NR	0.75	0.25	30	13	34	13	0	0	0
2	0.40	0.65	0.25	38	13	46	13	0	0	0
3	0.35	0.55	0.25	38	20 OR 13-5'	813	19	513'	0	513'
4 EXCEPT MARINE	0.35	0.55	0.25	49	20 OR 13-5'	813	19	1013'	10,2 FT	1013'
5 AND MARINE A	0.32	0.55	NR	49	20 OR 13-5'	1317	30-9	1519	10,2 FT	1519
6	0.32	0.55	NR	49	20-5 OR 13-10'	1520	30-9	1519	10,4 FT	1519
7 AND 8	0.32	0.55	NR	49	20-5 OR 13-10'	1921	38-9	1519	10,4 FT	1519

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAMED WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE AND DEPTH	CRAWL SPACE WALL R-VALUE
1	NR	0.75	0.25	30	13	34	13	0	0	0
2	0.40	0.65	0.25	38	13	46	13	0	0	0
3	0.35	0.55	0.25	38	20 OR 13-5'	813	19	513'	0	513'
4 EXCEPT MARINE	0.35	0.55	0.25	49	20 OR 13-5'	813	19	1013'	10,2 FT	1013'
5 AND MARINE A	0.32	0.55	NR	49	20 OR 13-5'	1317	30-9	1519	10,2 FT	1519
6	0.32	0.55	NR	49	20-5 OR 13-10'	1520	30-9	1519	10,4 FT	1519
7 AND 8	0.32	0.55	NR	49	20-5 OR 13-10'	1921	38-9	1519	10,4 FT	1519

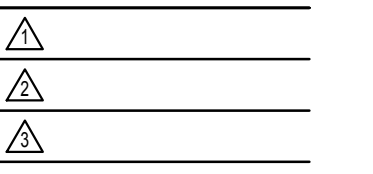
CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAMED WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE AND DEPTH	CRAWL SPACE WALL R-VALUE
1	NR	0.75	0.25	30	13	34	13	0	0	0
2	0.40	0.65	0.25	38	13	46	13	0	0	0
3	0.35	0.55	0.25	38	20 OR 13-5'	813	19	513'	0	513'
4 EXCEPT MARINE	0.35	0.55	0.25	49	20 OR 13-5'	813	19	1013'	10,2 FT	1013'
5 AND MARINE A	0.32	0.55	NR	49	20 OR 13-5'	1317	30-9	1519	10,2 FT	1519
6	0.32	0.55	NR	49	20-5 OR 13-10'	1520	30-9	1519	10,4 FT	1519
7 AND 8	0.32	0.55	NR	49	20-5 OR 13-10'	1921	38-9	1519	10,4 FT	1519

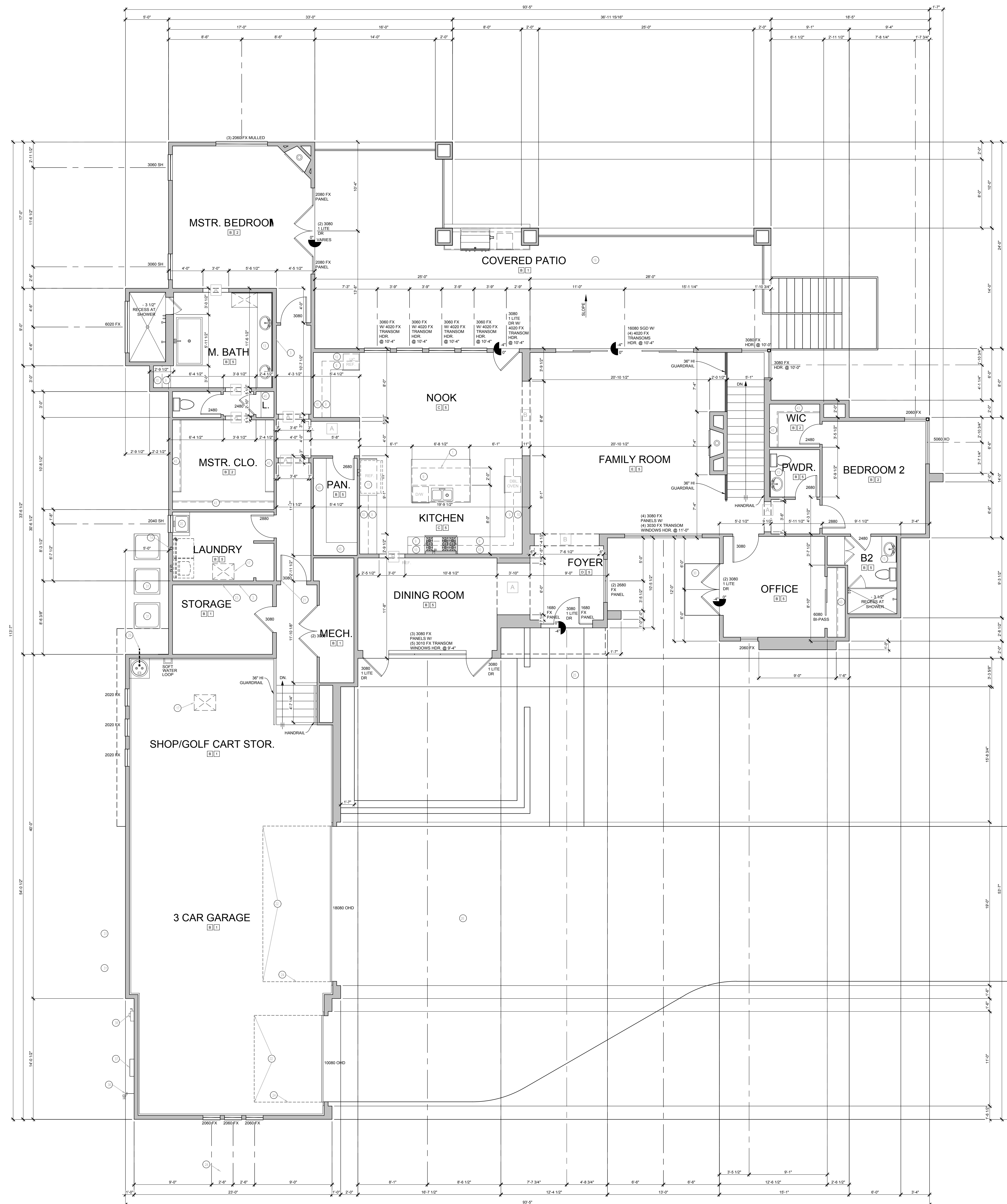
## KASNOFF RESIDENCE

15546 E. TELEGRAPH DR.  
FOUNTAIN HILLS, AZ  
85268

GENERAL ARCHITECTURAL NOTES  
KASNOFF RESIDENCE

DATE: 8/6/21





HEIGHT SCHEDULE			
A	9'-1"	C	11'-1"
B	10'-1"	D	12'-1"
E	14'-1"	F	-
G	-	H	-

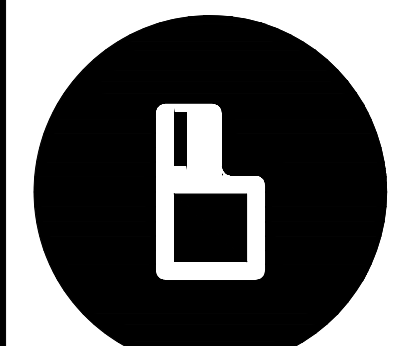
FLOOR MATERIAL			
1	CONCRETE	3	VINYL
2	CARPET AND PAD	4	CERAMIC TILE
5	HARD SURFACE	6	PAVERS

KEY NOTE	
1	34 1/2" 2X6 RGH HT. LOW WALL WITH DOUBLE TOP PLATE
2	DRYWALL WRAPPED LOW WALL
3	2X6 WALL
4	FRAMED STUCCO COLUMN
5	EXPOSED WOOD POST
6	LOW WALL - SEE PLAN FOR HEIGHT
7	NICHE - SEE PLAN FOR SIZE AND HEIGHT
8	LINE OF CEILING CHANGE
9	BASE CABINET
10	UPPER CABINET
11	FULL DEPTH UPPER CABINETS
12	STANDARD SHELF AT 5'-6" OR UPPER CABINETS
13	VANITY BASE CABINET
14	4" DIA. VENT TO OUTSIDE TO BE INSTALLED NOT TO EXCEED 36" WITH REDUCTIONS FOR BENDS
15	LINE OF FLOOR MATERIAL CHANGE
16	IN-SLAB CONDUIT
17	ATTIC ACCESS
18	MEDICINE CABINET
19	1/2" EXT. M.R. GYP. AT CLG.
20	LAUNDRY SINK
21	1 3/8" MIN. THICKNESS SOLID CORE, SELF CLOSING AND SELF LATCHING DOOR TO BE TIGHT FITTING WITH GASKETS AND SWEEP
22	THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/8" TYPE X GYP. BOARD OR EQUIVALENT.
23	LINE OF O.H.D.
24	CONCRETE/PAVER WALKWAY
25	CONCRETE/PAVER DRIVEWAY
26	FENCE RETURNS
27	W.I. GATES WITH CEDAR SLATS
28	T & P LINE TO OUTSIDE TERMINATE NOT MORE THAN 6" ABOVE THE GROUND
29	CONCRETE STOOP
30	A/C CONDENSER AND PAD
31	LINE OF STONE OR BRICK VENEER
32	LINE OF STUCCO OVER FOAM POP-OUT
33	GAS STUB
34	HOSE BIBB
35	HOSE BIBB WITH MAIN SHUT OFF VALVE AND LANDSCAPE TEE
36	LOCATION OF ELECTRICAL METER
37	LOCATION OF GAS METER PROVIDE GAS SHUT OFF VALVE TO DOWNWARD SIDE OF METER TO HOUSE
38	(2) 14"X8" SCREENED METAL LOUVER COMB. AIR VENTS (1) 12" MAX. ABOVE FLR. AND (1) 12" MAX. BELOW CEILING
39	HOSE BIBB WITH MAIN SHUT OFF VALVE AND LANDSCAPE TEE
40	HOSE BIBB WITH MAIN SHUT OFF VALVE AND LANDSCAPE TEE
41	1 ROD AND 1 SHELF
42	2 RODS AND 2 SHELVES
43	(4) EQUALLY SPACED SHELVES
44	(5) EQUALLY SPACED SHELVES
45	(6) EQUALLY SPACED SHELVES

GENERAL NOTES	
1.	SEE FLOOR PLAN FOR WALL VARIATIONS AND SIZES
2.	ALL WINDOWS HEADERS TO BE 8'-0" U.N.O.
3.	PROVIDE WINDOW AREAS EQUAL TO 8% OF FLOOR AREA AND A MINIMUM OPENABLE AREA TO OUTDOORS EQUAL TO 4% OF FLOOR AREA
4.	MANUFACTURERS INSTALLATION INSTRUCTIONS AND COPY OF APPLICABLE I.C.C. RESEARCH REPORT WILL BE MADE AVAILABLE TO THE INSPECTOR ON A 4" CLEARANCE FIREPLACE INSTALLATION
5.	FIRE/DRAFTSTOP BLOCK ALL VOID SPACES



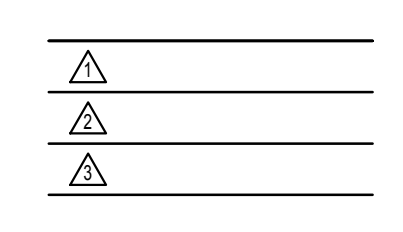
brianscottedesign  
 4127 E. Mesquite St.  
 Gilbert, AZ 85296  
 602-999-1690  
 bromney@brianscottedesign.com

## KASNOFF RESIDENCE

15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ.  
 85268

TITLE  
 FLOOR PLAN  
 KASNOFF RESIDENCE

DATE: 8/06/21

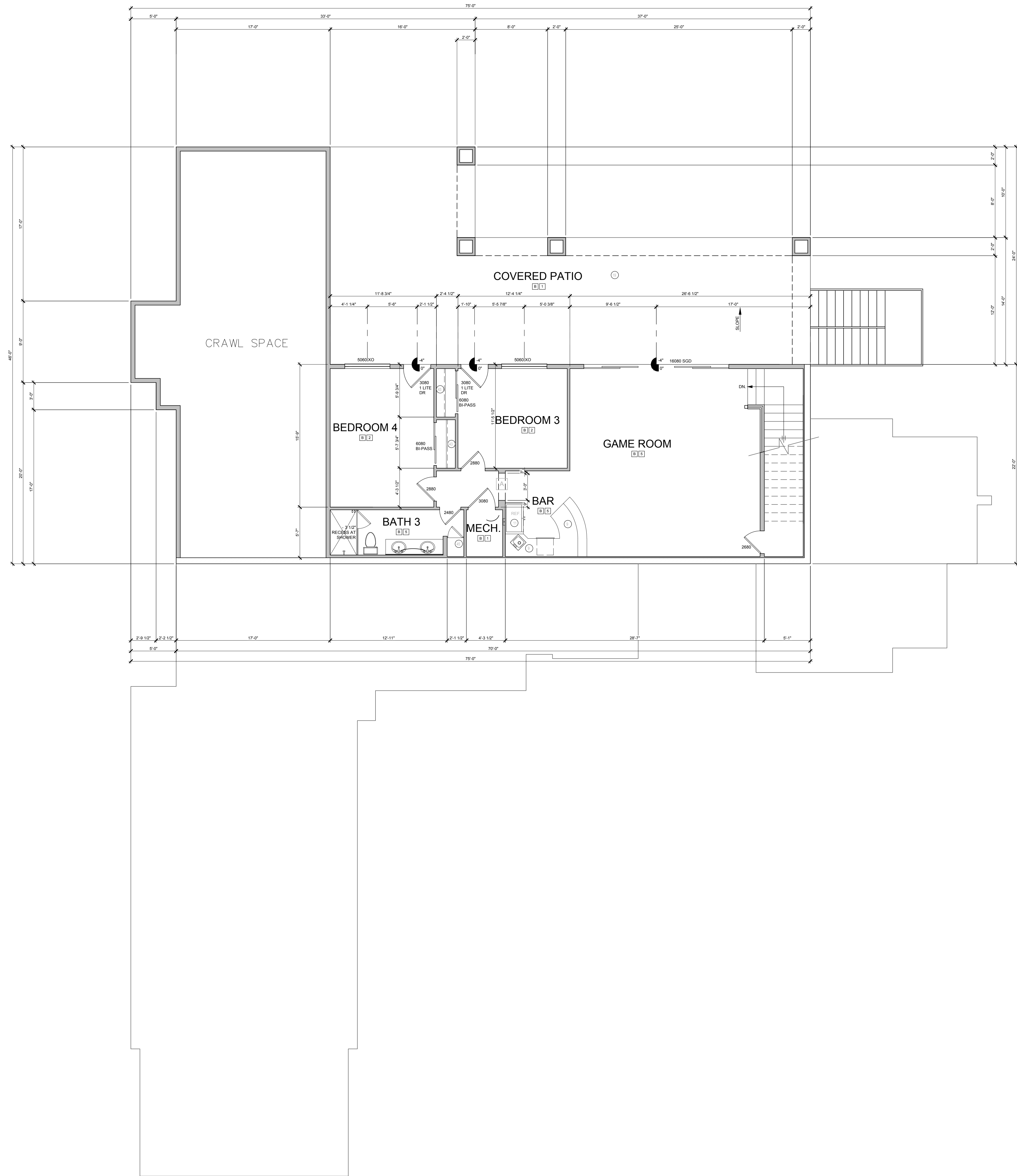


SHEET NUMBER

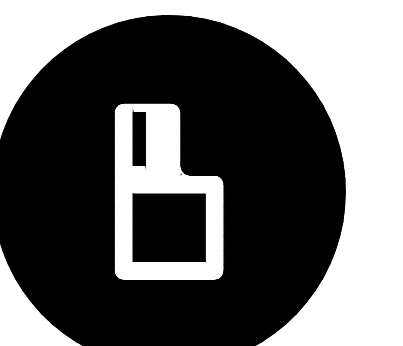
A1.1

## FLOOR PLAN

3/16" = 1'-0"



HEIGHT SCHEDULE			
A	9'-1"	C	11'-1"
B	10'-1"	D	12'-1"
E	14'-1"	G	-
F	-	H	-
FLOOR MATERIAL			
1	CONCRETE	3	VINYL
2	CARPET AND PAD	4	CERAMIC TILE
5	HARD SURFACE	6	PAVERS
KEY NOTE			
1	3/4" 1/2" 2X6 RGH HT. LOW WALL WITH DOUBLE TOP PLATE		
2	DRYWALL WRAPPED LOW WALL		
3	2X6 WALL		
4	FRAMED STUCCO COLUMN		
5	EXPOSED WOOD POST		
6	LOW WALL - SEE PLAN FOR HEIGHT		
7	NICHE - SEE PLAN FOR SIZE AND HEIGHT		
8	LINE OF CEILING CHANGE		
9	BASE CABINET		
10	UPPER CABINET		
11	FULL DEPTH UPPER CABINETS		
12	STANDARD SHELF AT 5'-6" OR UPPER CABINETS		
13	VANITY BASE CABINET		
14	4" DIA. VENT TO OUTSIDE TO BE INSTALLED NOT TO EXCEED 36" WITH REDUCTIONS FOR BENDS		
15	LINE OF FLOOR MATERIAL CHANGE		
16	IN-SLAB CONDUIT		
17	ATTIC ACCESS		
18	MEDICINE CABINET		
19	1/2" EXT. M.R. GYP. AT CLG.		
20	LAUNDRY SINK		
21	1 3/8" MIN. THICKNESS SOLID CORE, SELF CLOSING AND SELF LATCHING DOOR TO BE TIGHT FITTING WITH GASKETS AND SWEEP		
22	PROVIDE 2X CEILING BACKING AT GARAGE DOOR TRACKS - TYP. AT EACH SIDE		
23	THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/8" TYPE X GYP. BOARD OR EQUIVALENT.		
24	LINE OF O.H.D.		
25	CONCRETE/PAVER WALKWAY		
26	CONCRETE/PAVER DRIVEWAY		
27	FENCE RETURNS		
28	W.I. GATES WITH CEDAR SLATS		
29	T & P LINE TO OUTSIDE TERMINATE NOT MORE THAN 6" ABOVE THE GROUND		
30	CONCRETE STOOP		
31	A/C CONDENSER AND PAD		
32	LINE OF STONE OR BRICK VENEER		
33	LINE OF STUCCO OVER FOAM POP-OUT		
34	GAS STUB		
35	HOSE BIBB		
36	HOSE BIBB WITH MAIN SHUT OFF VALVE AND LANDSCAPE TEE		
37	LOCATION OF ELECTRICAL METER		
38	LOCATION OF GAS METER PROVIDE GAS SHUT OFF VALVE TO DOWNWARD SIDE OF METER TO HOUSE		
39	(2) 14"X8" SCREENED METAL LOUVER COMB. AIR VENTS (1) 12" MAX. ABOVE FLR. AND (1) 12" MAX. BELOW CEILING		
40	HOSE BIBB WITH MAIN SHUT OFF VALVE AND LANDSCAPE TEE		
41	HOSE BIBB WITH MAIN SHUT OFF VALVE AND LANDSCAPE TEE		
42	1 ROD AND 1 SHELF		
43	2 RODS AND 2 SHELVES		
44	(4) EQUALLY SPACED SHELVES		
45	(5) EQUALLY SPACED SHELVES		
46	(6) EQUALLY SPACED SHELVES		
GENERAL NOTES			
1. SEE FLOOR PLAN FOR WALL VARIATIONS AND SIZES			
2. ALL WINDOWS HEADERS TO BE 8'-0" U.N.O.			
3. PROVIDE WINDOW AREAS EQUAL TO 8% OF FLOOR AREA AND A MINIMUM OPENABLE AREA TO OUTDOORS EQUAL TO 4% OF FLOOR AREA			
4. MANUFACTURERS INSTALLATION INSTRUCTIONS AND COPY OF APPLICABLE I.C.C. RESEARCH REPORT WILL BE MADE AVAILABLE TO THE INSPECTOR ON A 4" CLEARANCE FIREPLACE INSTALLATION			
5. FIRE/DRAFTSTOP BLOCK ALL VOID SPACES			



brianscottedesign  
 4127 E. Mesquite St.  
 Gilbert, AZ 85296  
 602-999-1690  
 bromney@brianscottedesign.com

**KASNOFF RESIDENCE**

15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ.  
 85268

TITLE: BASEMENT FLOOR PLAN  
 KASNOFF RESIDENCE

DATE: 8/06/21

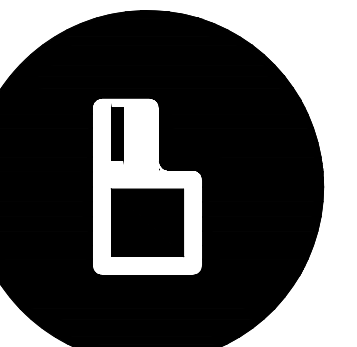
\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SHEET NUMBER

A1.2

**REAR ELEVATION**

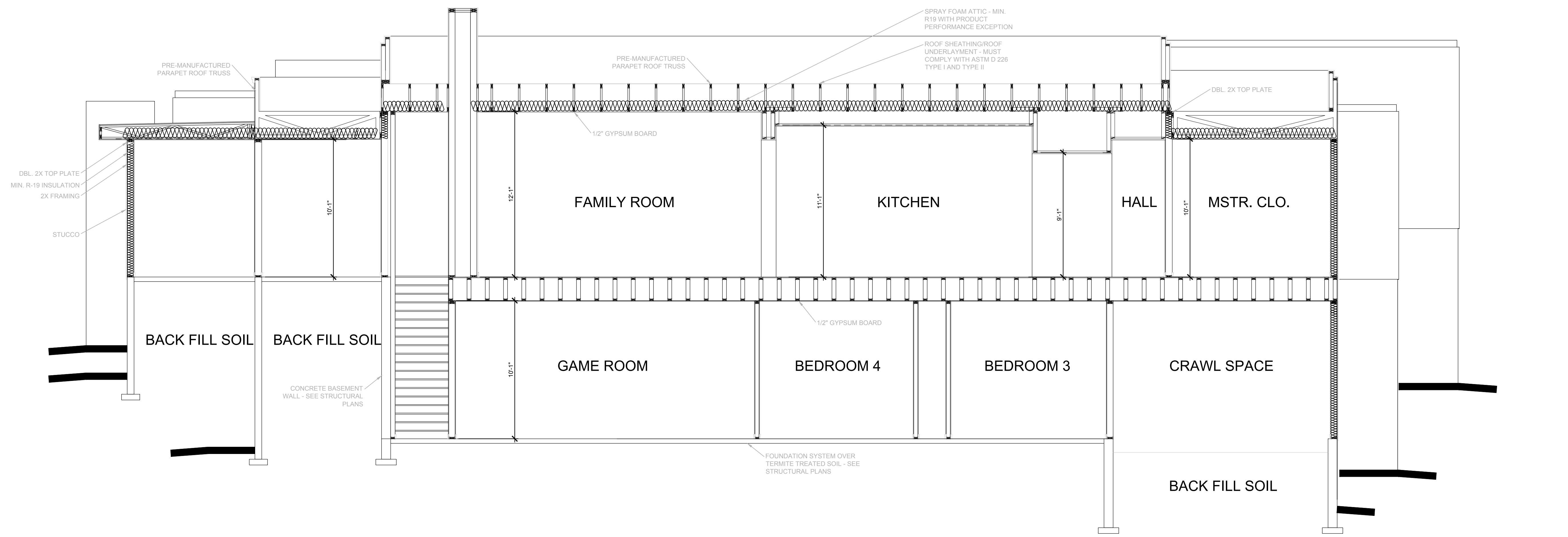
3/16" = 1'-0"



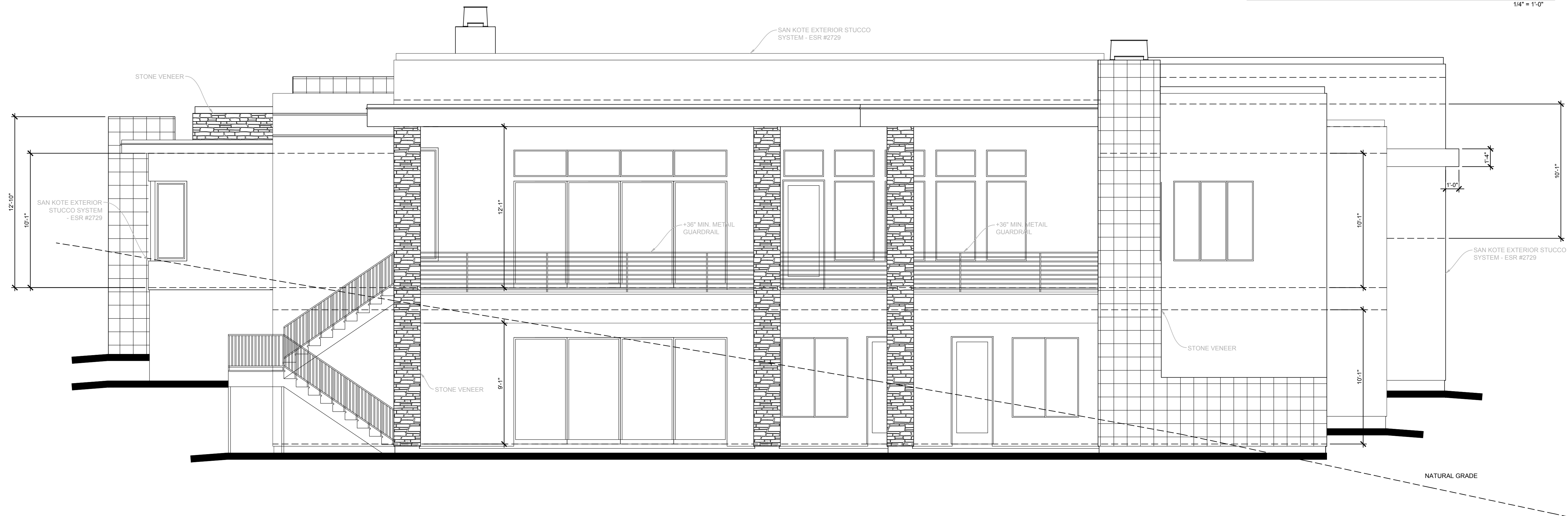
brianscottedesign  
 4127 E. Mesquite St.  
 Gilbert, AZ 85296  
 602-999-1690  
 bromney@brianscottedesign.com

**KASNOFF RESIDENCE**

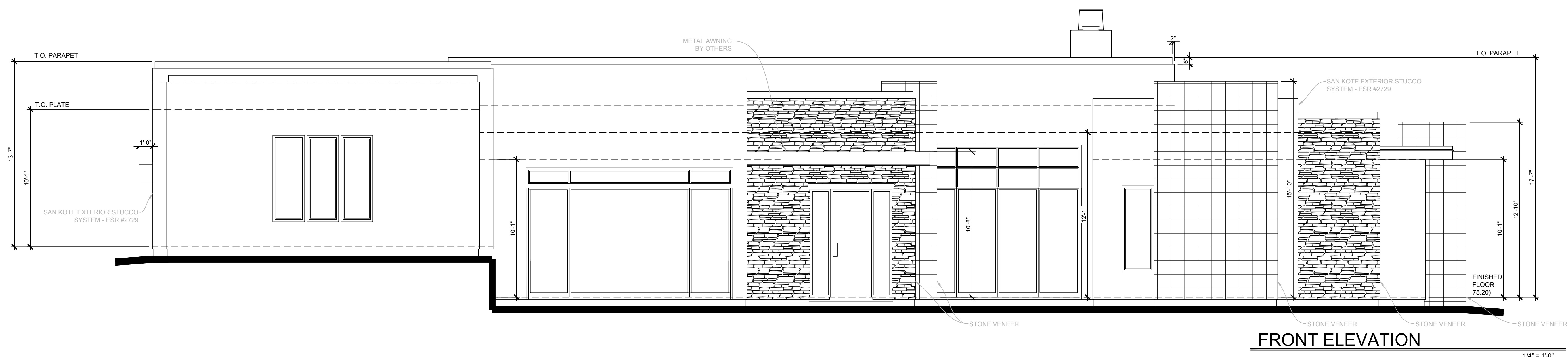
15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ.  
 85268



**SECTION A-A**  
 1/4" = 1'-0"



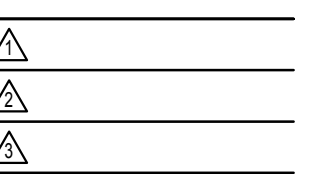
**REAR ELEVATION**  
 1/4" = 1'-0"



**FRONT ELEVATION**  
 1/4" = 1'-0"

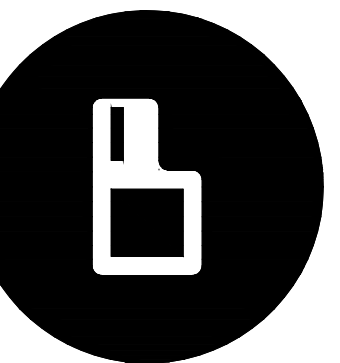
TITLE  
 EXTERIOR ELEVATIONS  
 KASNOFF RESIDENCE

DATE: 8/06/21



SHEET NUMBER

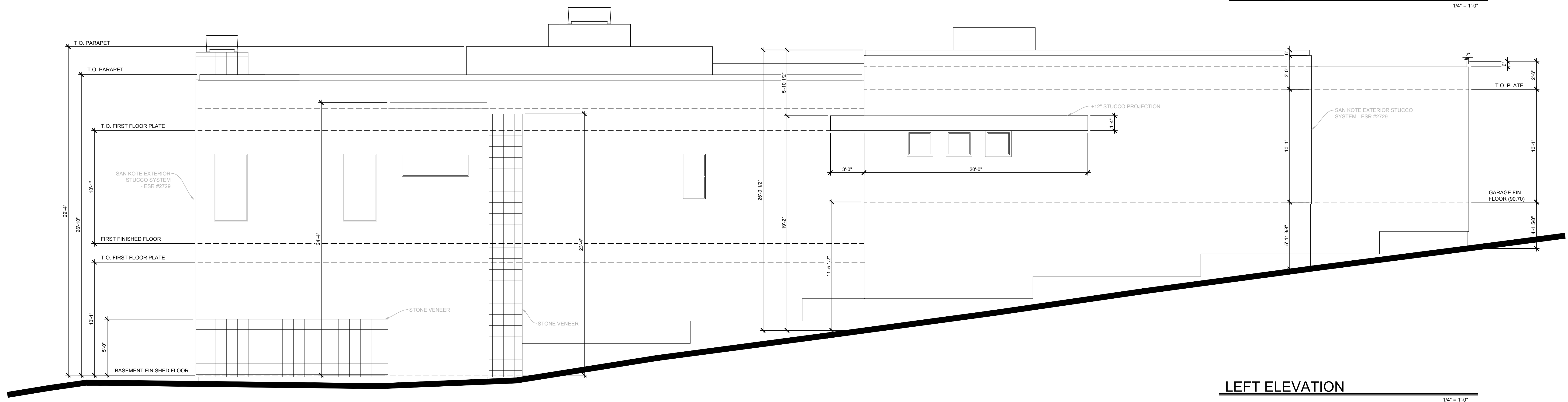
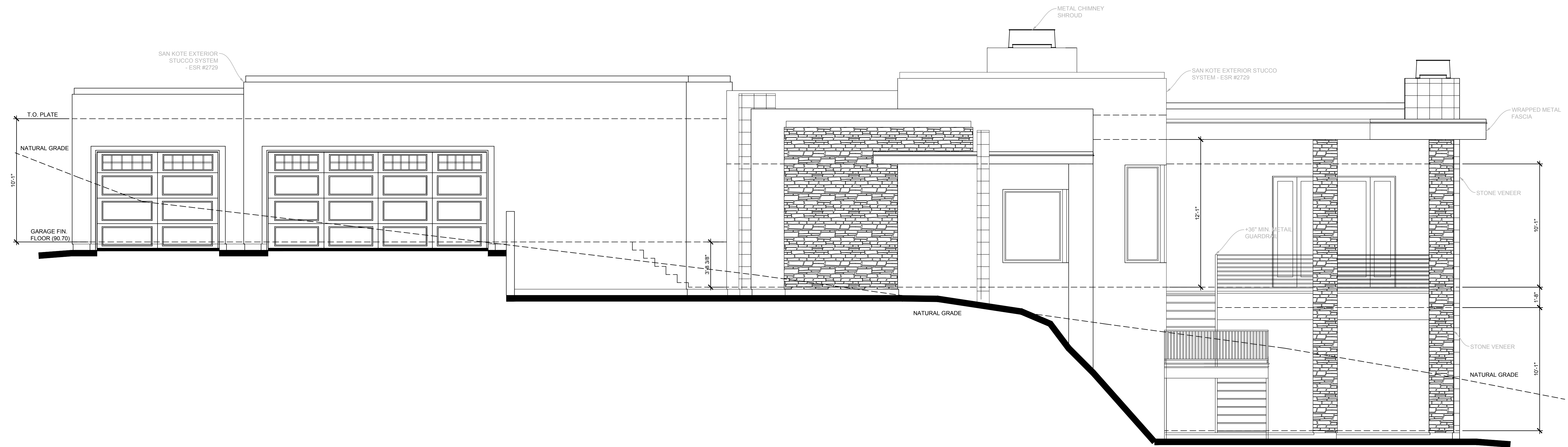
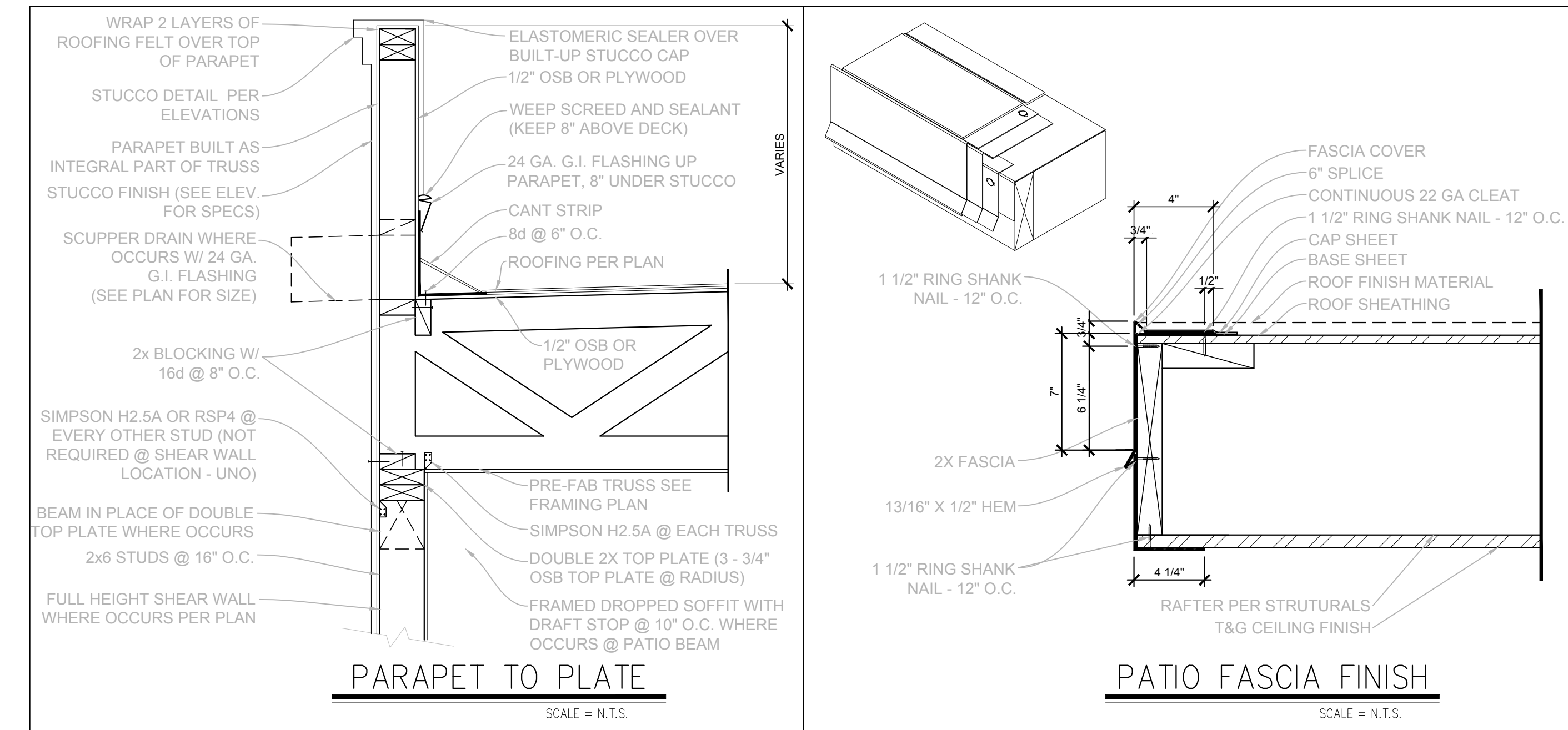
A1.3



brianscottedesign  
 4127 E. Mesquite St.  
 Gilbert, AZ 85296  
 602-999-1690  
 bromney@brianscottedesign.com

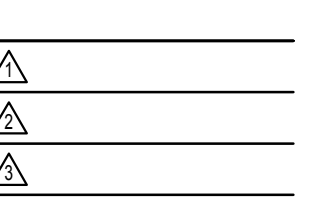
**KASNOFF RESIDENCE**

15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ.  
 85268



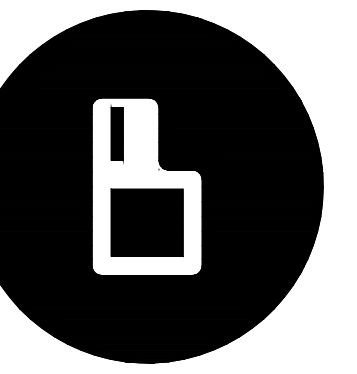
TITLE  
 EXTERIOR ELEVATIONS  
 KASNOFF RESIDENCE

DATE: 8/06/21



SHEET NUMBER

A1.4



brianscottedesign

4127 E. Mesquite St.  
Gilbert, AZ 85296  
602-999-1690

bromney@brianscottedesign.com

### KASNOFF RESIDENCE

15546 E. TELEGRAPH DR.  
FOUNTAIN HILLS, AZ.  
85268

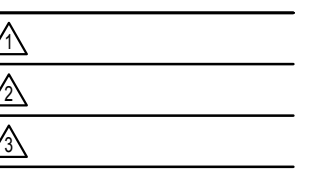


### ROOF PLAN

1/4" = 1'-0"

TITLE  
ROOF PLAN  
KASNOFF RESIDENCE

DATE: 8/06/21



SHEET NUMBER

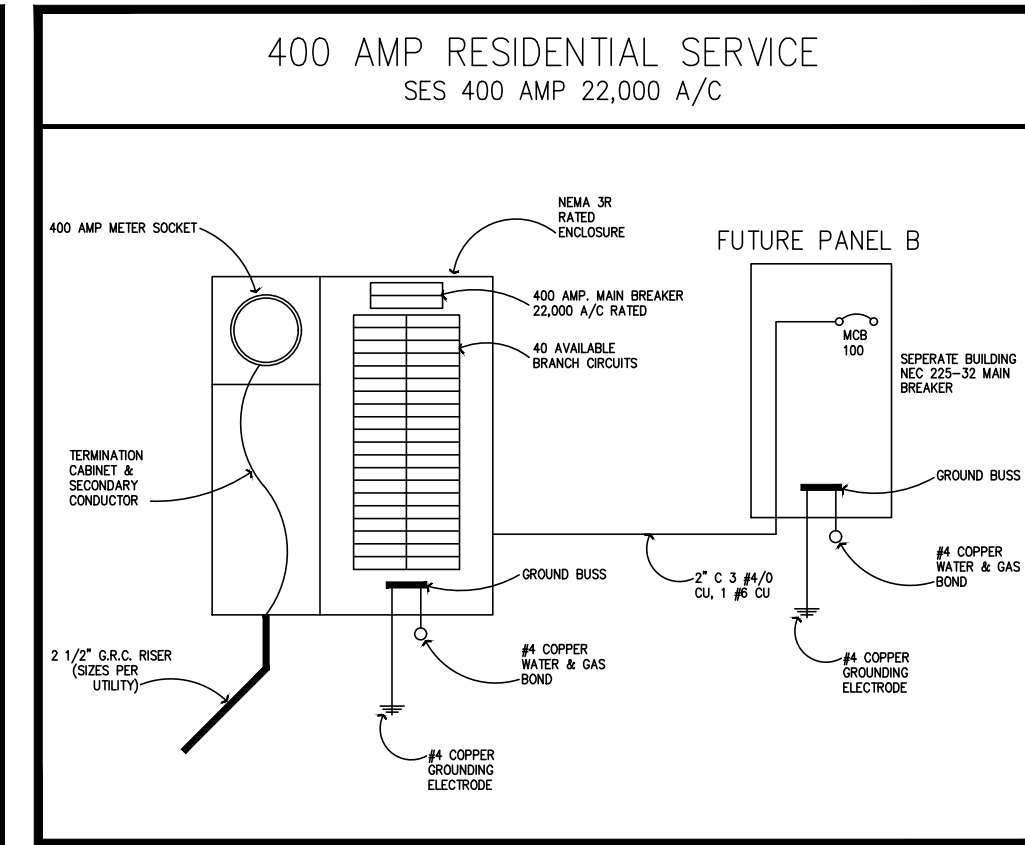
A1.5



ELEC. LOAD CALCS - MAIN PANEL		
		WATTS
LIVABLE SQ. FT. X 3	3 X	4152
SMALL APPLIANCE CIRCUITS	2 X	1500
LAUNDRY CIRCUIT	2 X	1500
WATER HEATER	0 X	4500
DISHWASHER	1 X	1500
DRYER	1 X	5000
RANGE	0 X	12000
WALL OVEN	0 X	6000
MICROWAVE	0 X	1500
WALL OVEN/MICROWAVE	1 X	12000
DOUBLE WALL OVEN	0 X	12000
COOKTOP	0 X	6000
REFRIGERATOR	2 X	1500
WHIRLPOOL TUB	0 X	1500
BATHROOM GFCI	4 X	1500
CENTRAL VAC	0 X	1500
SOFT WATER	1 X	1500
WATER RECIRC. PUMP	2 X	1500
GARAGE EXTERIOR	1 X	1500
LANDSCAPING	1 X	1500
UNDER COUNTER REFRIGERATOR	3 X	1500
WINE REFRIGERATOR	0 X	1500
FREEZER	1 X	1500
<b>SUBTOTAL</b>		<b>59,456</b>
FIRST 1000 @ 100%		10,000
BALANCE @ 40%		49,456
<b>SUBTOTAL CALCULATED DEMAND</b>		<b>29,782.4</b>
ADDITIONAL LOADS		
1ST A/C	4,688	4,688
2ND A/C	5,290	5,290
3RD A/C	5,290	5,290
<b>TOTAL A/C LOADS</b>	<b>15,268</b>	
POOL EQUIPMENT		2,000
<b>TOTAL LOAD</b>	<b>47,050.4</b>	
<b>PANEL LOAD - AMPS</b>	<b>196.04</b>	

PANEL SCHEDULE - SUB PANEL			
METER PANEL	TYPE-SQUARE D	CB	WIRE
1	ELECTRIC OVEN	2-40	8-3 CU W/G
5	HVAC UNIT #3	2-50	8-3 AL W/G
13	AIR HANDLER #3	1-15	14-2 CU W/G
15	ARC FAULT - FAMILY ROOM	1-15	14-2 CU
17	ARC FAULT - BEDROOM	1-15	14-2 CU
19	GARBAGE DISP/DISHWASHER	1-20	12-2 CU W/G
21	SMOKE DETECTORS	1-15	14-2 CU
23	BATHROOM RECEPTACLES	1-20	12-2 CU W/G
25	KITCHEN APPLIANCES	1-20	12-2 CU W/G
27	GLC - FAMILY ROOM	1-15	14-2 CU
29	GLC - BEDROOM, BATH 3	1-15	14-2 CU
31	GLC - PORCH, PATIO, GARAGE	1-15	14-2 CU
33	WH RECIRCULATOR	1-15	14-2 CU W/G
35			
37			
39			

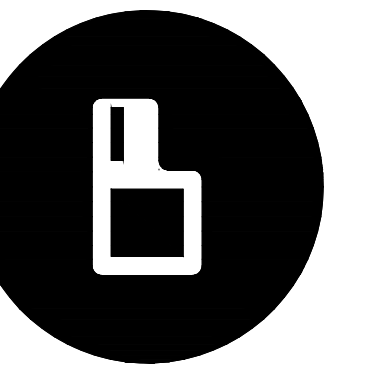
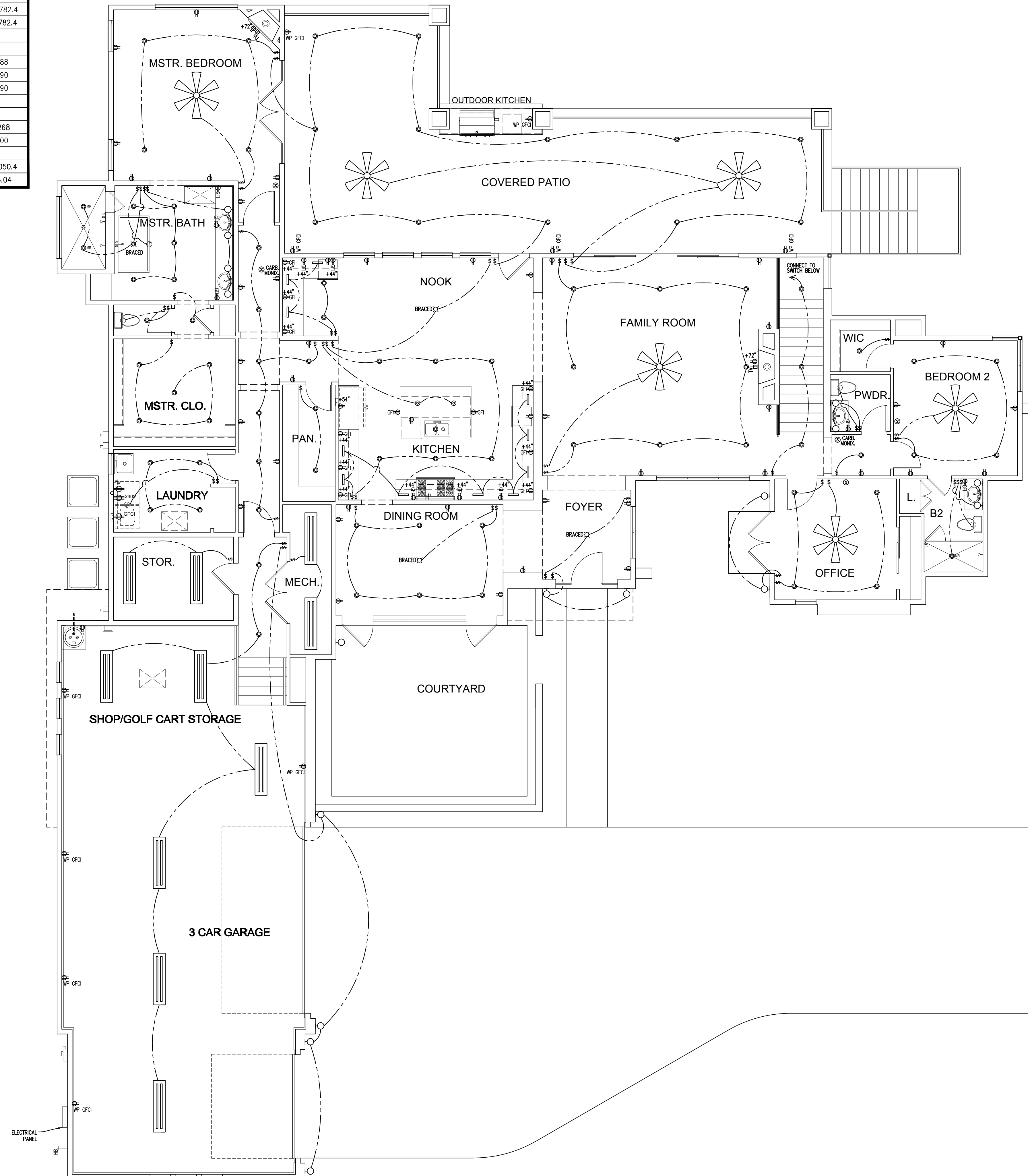
PANEL SCHEDULE - MAIN PANEL			
METER PANEL	TYPE-SQUARE D	SURFACE MOUNT	120/240 VOLT 1 PH-3W
1	ELECTRIC OVEN	2-40	8-3 CU W/G
2	LAUNDRY		1-20 12-2 CU W/G
4	SOFT WATER GFCI		1-15 14-2 CU W/G
6	REFRIGERATOR		1-20 12-2 CU W/G
8	MICROWAVE		1-20 12-2 CU W/G
10	WASHER		1-20 12-2 CU W/G
12	ARC FAULT - MASTER, FAMILY ROOM		1-15 14-2 CU
14	ARC FAULT - BEDS 2, 3, 4		1-15 14-2 CU
16	ARC FAULT - DINING, OFFICE		1-15 14-2 CU
18	ARC FAULT - GAME ROOM		1-15 14-2 CU
20	GARBAGE DISPOSAL/DISHWASHER		1-20 12-2 CU W/G
22	SMOKE DETECTORS		1-15 14-2 CU
24	BATHROOM RECEPTACLES		1-20 12-2 CU W/G
26	KITCHEN APPLIANCES		1-20 12-2 CU W/G
28	GLC - MASTER BATH, WC		1-15 14-2 CU
30	GLC - HALL, FOYER, BATH 3		1-15 14-2 CU
32	GLC - POWDER, BATH 2		1-15 14-2 CU
34	GLC - LAUNDRY, GARAGE		1-15 14-2 CU
36	GLC - DINING, KITCHEN		1-15 14-2 CU
38	GLC - OFFICE, GAME RM		1-15 14-2 CU
40	GLC - PORCH, PATIO, GARAGE		1-15 14-2 CU
31	SOFT WATER GFCI		1-15 14-2 CU W/G
33	WH RECIRCULATOR		1-15 14-2 CU W/G
35	LANDSCAPING		1-20 12-2 CU W/G
37	GARAGE/EXTERIOR GFCI		1-15 14-2 CU W/G
39	LAUNDRY		1-20 12-2 CU W/G



### ELECTRICAL SPECIFICATIONS

- WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE RULES, REGULATIONS AND ORDINANCES.
- PROVIDE PROPER GROUNDING FOR ALL EQUIPMENT, RACEWAYS, ETC.
- ALL DISCONNECTS, FIXTURES AND OTHER ELECTRICAL COMPONENTS SUBJECT TO THE WEATHER MUST HAVE WEATHERPROOF ENCLOSURES.
- ALL ROUGH-IN LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR DETERMINING PROPER LOCATION.
- PROVIDE DISCONNECTS, FUSES, OVER CURRENT PROTECTION, CONTROL AND POWER WIRING, CHORDS AND PLUGS TO ALL EQUIPMENT INCLUDED AS PART OF THIS PROJECT, IF REQUIRED FOR PROPER OPERATION BUT NOT PROVIDED BY THE EQUIPMENT MANUFACTURER. EQUIPMENT SHALL INCLUDE ALL HVAC EXHAUST FANS, HOODS, KITCHEN EQUIPMENT, MEDICAL EQUIPMENT AND ANY SPECIAL EQUIPMENT SHOWN AS A PART OF THE PROJECT.
- CONDUCTORS:
  - USE THW OR THWN #12 MINIMUM, 75° RATING.
  - FOR HOME RUNS OVER 65 FEET, USE ONE SIZE LARGER WIRE.
  - FOR HOME RUNS OVER 115 FEET, USE TWO SIZES LARGER WIRE.
  - ALUMINUM CONDUCTORS ARE NOT ALLOWED.
- CONDUIT:
  - USE RIGID OR EMT AS ALLOWED BY CODE.
  - ALL CONDUITS EXPOSED TO THE ELEMENTS OR BURIED UNDERGROUND SHALL BE WRAPPED WITH SCOTCH 51 TAPE OR EQUAL.
  - MC TYPE PREWIRED FLEXIBLE CABLE SHALL BE PERMITTED IN ALL WALLS AND CEILING AS PERMITTED BY CODE AND LOCAL BUILDING OFFICIALS.
- OVER CURRENT PROTECTION:
  - CIRCUIT BREAKERS THAT ARE TO BE USED TO PROTECT LIGHTING CIRCUITS ARE TO BE RATED FOR SWITCHING DUTY.
  - PROVIDE LOCK-ON DEVICES FOR NIGHT LIGHT, EMERGENCY AND EXIT LIGHT CIRCUITS.
  - ALL RECEPTACLES AND FIXED EQUIPMENT WITHIN AREA OF WET LOCATION NEED GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION PER NEC 517.20.
- PER 2015 E3902.12 ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN, BEDROOMS, SUNROOMS, RECREATIONS ROOMS, CLOSETS, HALLWAYS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
- ALL OUTLETS ARE TO BE TAMPER RESISTANCE PER IRC 2015 E4002.14

SYMBOL	DESCRIPTION
4' TRACK WITH (3) HEADS	
UNDER CABINET FLUORESCENT STRIP LIGHT	
PENDANT LIGHT FIXTURE	
CEILING MOUNTED LIGHT	
WALL MOUNTED SCENCE	
RECESSED CAN LIGHT	
EXHAUST FAN	
SWITCH BETWEEN 36" TO 54" A.F.F.	
3 WAY SWITCH BETWEEN 36" TO 54" A.F.F.	
DIMMER SWITCH BETWEEN 36" TO 54" A.F.F.	
IN SLAB OUTLET (110V) @ 15" A.F.F.	
DUPLEX OUTLET (110V) @ 15" A.F.F.	
110V OUTLET 6" ABOVE COUNTER U.N.O.	
SINGLE SWITCH OUTLET	
WALL MOUNTED PORCELAIN SOCKET	
GROUND FAULT INTERRUPT OUTLET (110V)	
220V OUTLET	
JUNCTION BOX	
DISCONNECT SWITCH	
PHONE / DATA JACK - CONDUIT WITH PULL STRING TO ABOVE CEILING	
PHONE JACK - CONDUIT WITH PULL STRING TO ABOVE CEILING	
DATA JACK - CONDUIT WITH PULL STRING TO ABOVE CEILING	
CONDUIT	
ELECTRICAL PANEL	
DUPLEX RECEPTACLE	
J-BOX	
DUPLEX RECEPTACLE W/ ROUND FAULT PROTECTION	
DUPLEX RECEPTACLE W/ ROUND FAULT PROTECTION AND WET GRADE EXTERIOR COVER	
220V RECEPTACLE	
SINGLE POLE SWITCH	
THREE WAY SWITCH	
SMOKE DETECTOR - HARD WIRED, WITH BATTERY BACKUP	
WALL MOUNTED LIGHT	
FLUORESCENT LIGHT FIXTURE	
FLOOD LIGHT FIXTURE	
GARAGE DOOR	
1/2 HOT OUTLET	
PHONE LINE	
CABLE TELEVISION	
EYE BALL CAN LIGHT	
DOOR BELL	
DOOR BELL CHIMES	
PANELBOARD W/ CIRCUIT BREAKERS	
HOSE BIB	
GAS TAP	
COLD/HOT WATER SUPPLY	



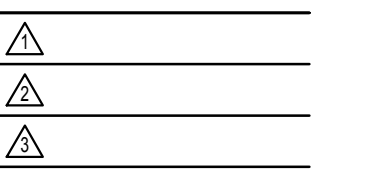
**brianscottedesign**  
4127 E. Mesquite St.  
Gilbert, AZ 85296  
602-999-1690  
bromney@brianscottedesign.com

### KASNOFF RESIDENCE

15546 E. TELEGRAPH DR.  
FOUNTAIN HILLS, AZ  
85268

ELECTRICAL PLAN  
KASNOFF RESIDENCE

DATE: 8/06/21

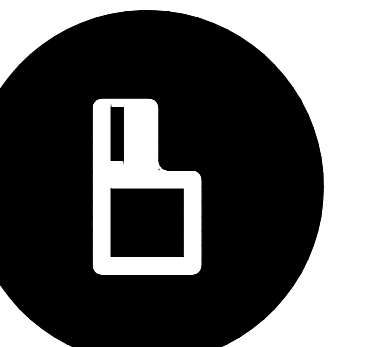
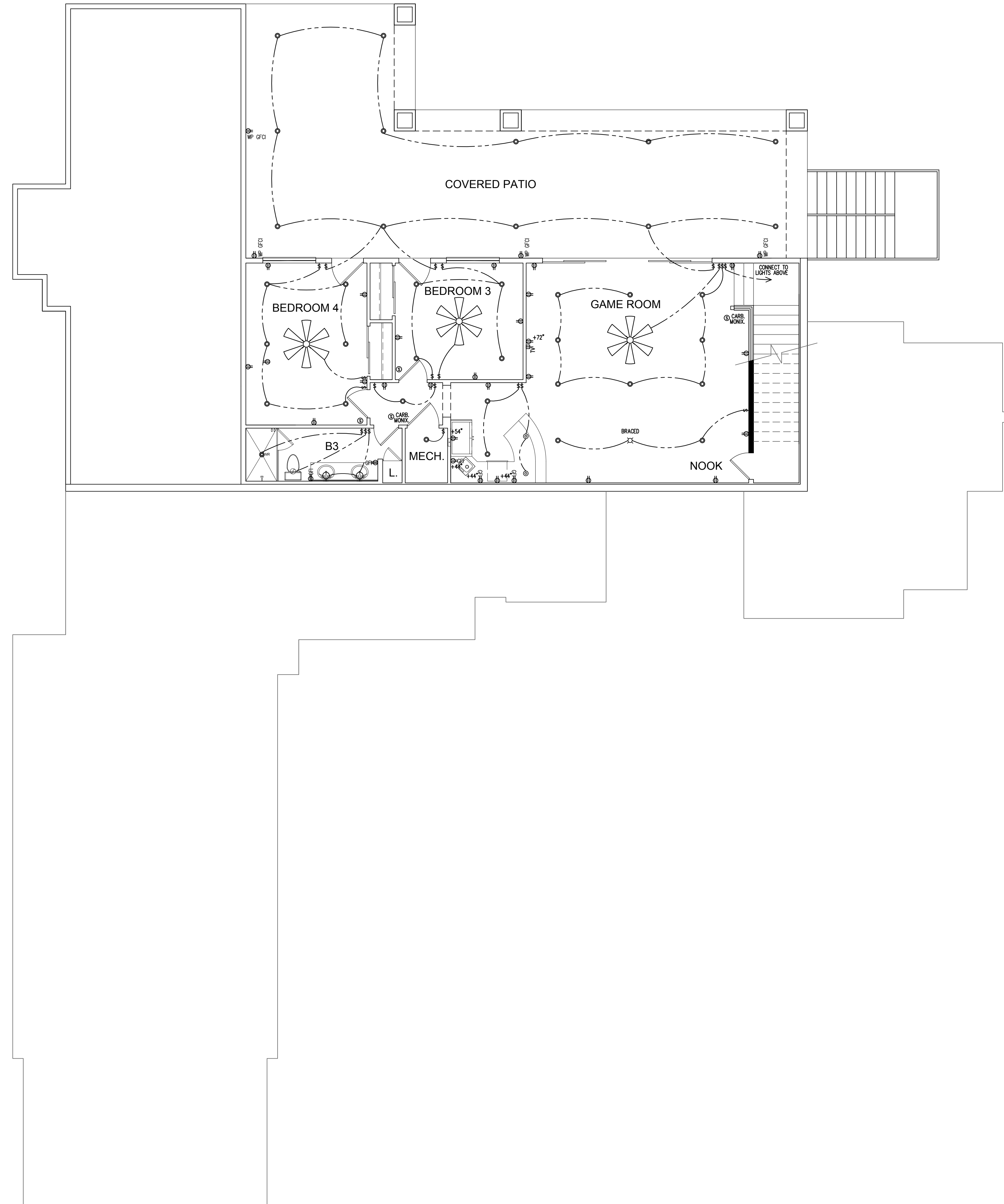


SHEET NUMBER

# ELECTRICAL SPECIFICATIONS

- WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE RULES, REGULATIONS AND ORDINANCES.
- PROVIDE PROPER GROUNDING FOR ALL EQUIPMENT, RACEWAYS, ETC.
- ALL DISCONNECTS, FIXTURES AND OTHER ELECTRICAL COMPONENTS SUBJECT TO THE WEATHER MUST HAVE WEATHERPROOF ENCLOSURES.
- ALL ROUGH-IN LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR DETERMINING PROPER LOCATION.
- PROVIDE DISCONNECTS, FUSES, OVER CURRENT PROTECTION, CONTROL AND POWER WIRING, CHORDS AND PLUGS TO ALL EQUIPMENT INCLUDED AS PART OF THIS PROJECT, IF REQUIRED FOR PROPER OPERATION BUT NOT PROVIDED BY THE EQUIPMENT MANUFACTURER. EQUIPMENT SHALL INCLUDE ALL HVAC, EXHAUST FANS, HOODS, KITCHEN EQUIPMENT, MEDICAL EQUIPMENT AND ANY SPECIAL EQUIPMENT SHOWN AS A PART OF THE PROJECT.
- CONDUCTORS:
  - USE THW OR THWN #12 MINIMUM, 75° RATING.
  - FOR HOME RUNS OVER 65 FEET, USE ONE SIZE LARGER WIRE.
  - FOR HOME RUNS OVER 115 FEET, USE TWO SIZES LARGER WIRE.
  - ALUMINUM CONDUCTORS ARE NOT ALLOWED.
- CONDUIT:
  - USE RIGID OR EMT AS ALLOWED BY CODE.
  - ALL CONDUITS EXPOSED TO THE ELEMENTS OR BURIED UNDERGROUND SHALL BE WRAPPED WITH SCOTCH 51 TAPE OR EQUAL.
  - MC TYPE PREWIRED FLEXIBLE CABLE SHALL BE PERMITTED IN ALL WALLS AND CEILING AS PERMITTED BY CODE AND LOCAL BUILDING OFFICIALS.
- OVER CURRENT PROTECTION:
  - CIRCUIT BREAKERS THAT ARE TO BE USED TO PROTECT LIGHTING CIRCUITS ARE TO BE RATED FOR SWITCHING DUTY.
  - PROVIDE LOCK-ON DEVICES FOR NIGHT LIGHT, EMERGENCY AND EXIT LIGHT CIRCUITS.
  - ALL RECEPTACLES AND FIXED EQUIPMENT WITHIN AREA OF WET LOCATION NEED GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION PER NEC 517.20.
- PER 2015 E3902.12 ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATIONS ROOMS, CLOSETS, HALLWAYS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
- ALL OUTLETS ARE TO BE TAMPER RESISTANCE PER IRC 2015 E4002.14

SYMBOL	DESCRIPTION
	4' TRACK WITH (3) HEADS
	UNDER CABINET FLUORESCENT STRIP LIGHT
	PENDANT LIGHT FIXTURE
	CEILING MOUNTED LIGHT
	WALL MOUNTED SCONCE
	RECESSED CAN LIGHT
	EXHAUST FAN
	SWITCH BETWEEN 36" TO 54" A.F.F.
	3 WAY SWITCH BETWEEN 36" TO 54" A.F.F.
	DIMMER SWITCH BETWEEN 36" TO 54" A.F.F.
	IN SLAB OUTLET (110V) @ 15" A.F.F.
	DUPLEX OUTLET (110V) @ 15" A.F.F.
	110V OUTLET 6" ABOVE COUNTER U.N.O.
	SINGLE SWITCH OUTLET
	WALL MOUNTED PORCELAIN SOCKET
	GROUND FAULT INTERRUPT OUTLET (110V)
	WEATHERPROOF OUTLET (110V)
	220V OUTLET
	JUNCTION BOX
	DISCONNECT SWITCH
	PHONE / DATA JACK - CONDUIT WITH PULL STRING TO ABOVE CEILING
	PHONE JACK - CONDUIT WITH PULL STRING TO ABOVE CEILING
	DATA JACK - CONDUIT WITH PULL STRING TO ABOVE CEILING
	CONDUIT
	ELECTRICAL PANEL
	DUPLEX RECEPTACLE
	J-BOX
	DUPLEX RECEPTACLE W/ ROUND FAULT PROTECTION
	DUPLEX RECEPTACLE W/ ROUND FAULT PROTECTION AND WET GRADE EXTERIOR COVER
	220V RECEPTACLE
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	SMOKE DETECTOR - HARD WIRED, WITH BATTERY BACKUP
	WALL MOUNTED LIGHT
	FLUORESCENT LIGHT FIXTURE
	FLOOD LIGHT FIXTURE
	GARAGE DOOR
	HALF HOT OUTLET
	PHONE LINE
	CABLE TELEVISION
	EYE BALL CAN LIGHT
	DOOR BELL
	DOOR BELL CHIMES
	PANELBOARD W/ CIRCUIT BREAKERS
	HOSE BIB
	GAS TAP
	COLD/HOT WATER SUPPLY



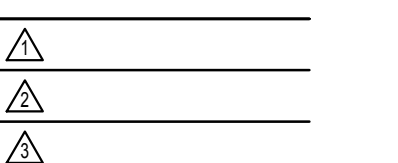
brianscottedesign  
 4127 E. Mesquite St.  
 Gilbert, AZ 85296  
 602-999-1690  
 bromney@brianscottedesign.com

**KASNOFF RESIDENCE**

15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ  
 85268

TITLE  
 ELECTRICAL PLAN  
 KASNOFF RESIDENCE

DATE: 8/06/21



SHEET NUMBER

E1.2

**ELECTRICAL PLAN**

3/16" = 1'-0"

**PLUMBING**

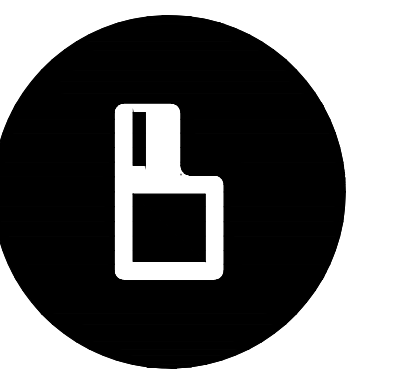
NOTES:  
 1. PLUMBING SHALL BE IN ACCORDANCE WITH THE IRC AND ALL APPLICABLE CITY ORDINANCES.  
 2. WASTE AND VENT PIPE SHALL BE ABS PLASTIC PVC SCHEDULE 40 PIPE ACCORDING TO IRC.  
 3. THIS DIAGRAM IS FOR PIPE SIZE AND CLEAN OUT LOCATION ONLY. SIZE PIPE ACCORDING TO IRC.  
 4. PROVIDE PRESSURE BALANCE OR THERMOSTATIC MIXING VALVE TYPE CONTROL VALVES FOR ALL SHOWER TUB/SHOWER AND WHIRLPOOL TUB COMBINATIONS.  
 5. SURFACE DRAINAGE SHALL BE DIVERTED TO A STORM SEWER CONVEYANCE OR OTHER APPROVED POINT OF COLLECTION AS TO NOT CREATE A HAZARD.

**WATER METER CALCS**

TYPE OF FIXTURE	NO. OF FIXTURES	FIXTURE UNIT VALUE	TOTAL
BATHTUB	1	1.4	= 1.4
CLOTHES WASHER	0	1.4	= 0
DISHWASHER	0	1.4	= 0
HOSE/B	3	2.5	= 7.5
KITCHEN SINK	0	1.4	= 0
LAUNDRY TUB	1	1.4	= 1.4
LAVATORY/BAR SINK	1	0.7	= 0.7
SHOWER STALL	0	1.4	= 0
WATER CLOSET	0	2.2	= 0
<b>FULL BATH GROUP</b>	<b>3</b>	<b>3.6</b>	<b>= 10.9</b>
<b>HALF BATH GROUP</b>	<b>1</b>	<b>2.6</b>	<b>= 2.6</b>
<b>KITCHEN GROUP</b>	<b>1</b>	<b>2.5</b>	<b>= 2.5</b>
<b>LAUNDRY GROUP</b>	<b>1</b>	<b>2.5</b>	<b>= 2.5</b>
<b>TOTAL</b>			<b>= 29.4</b>

EFFECTIVE WATER PRESSURE FOR THIS COMMUNITY: 40-49 PSI OR 49-60 PSI  
 DEVELOPED LENGTH: 190' WATER METER 1" MIN. SUPPLY LINE: 1 1/4" MIN.

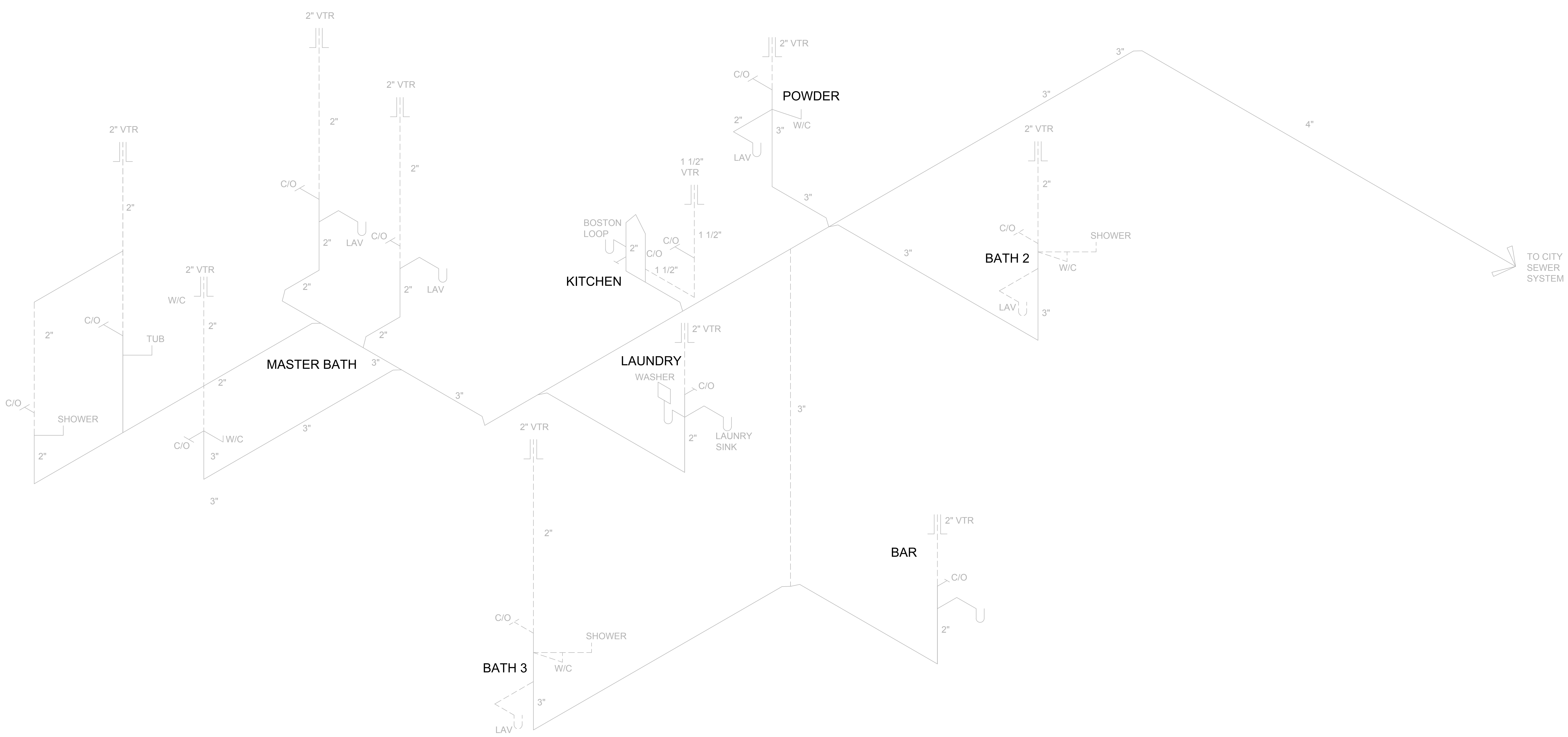
NOTES:  
 1. ALL CALCULATIONS CONFORM TO IRC TABLES P2903.6 AND P2903.7.  
 2. WATER CALCULATIONS INCLUDE ALL OPTIONAL FIXTURES.  
 3. WATER SUPPLY OUTLETS FOR ITEMS NOT SHOWN ABOVE SHALL BE COMPUTED AT THEIR MAXIMUM DEMAND OR ACCORDING TO THE SIZE OF THE SUPPLY PIPE AS LISTED ABOVE - WHICHEVER IS GREATER.  
 4. PRESSURE REDUCING VALVE INSTALLATION TO BE DETERMINED BY MUNICIPALITY.



brianscottedesign  
 4127 E. Mesquite St.  
 Gilbert, AZ 85296  
 602-999-1690  
 bromney@brianscottedesign.com

**KASNOFF RESIDENCE**

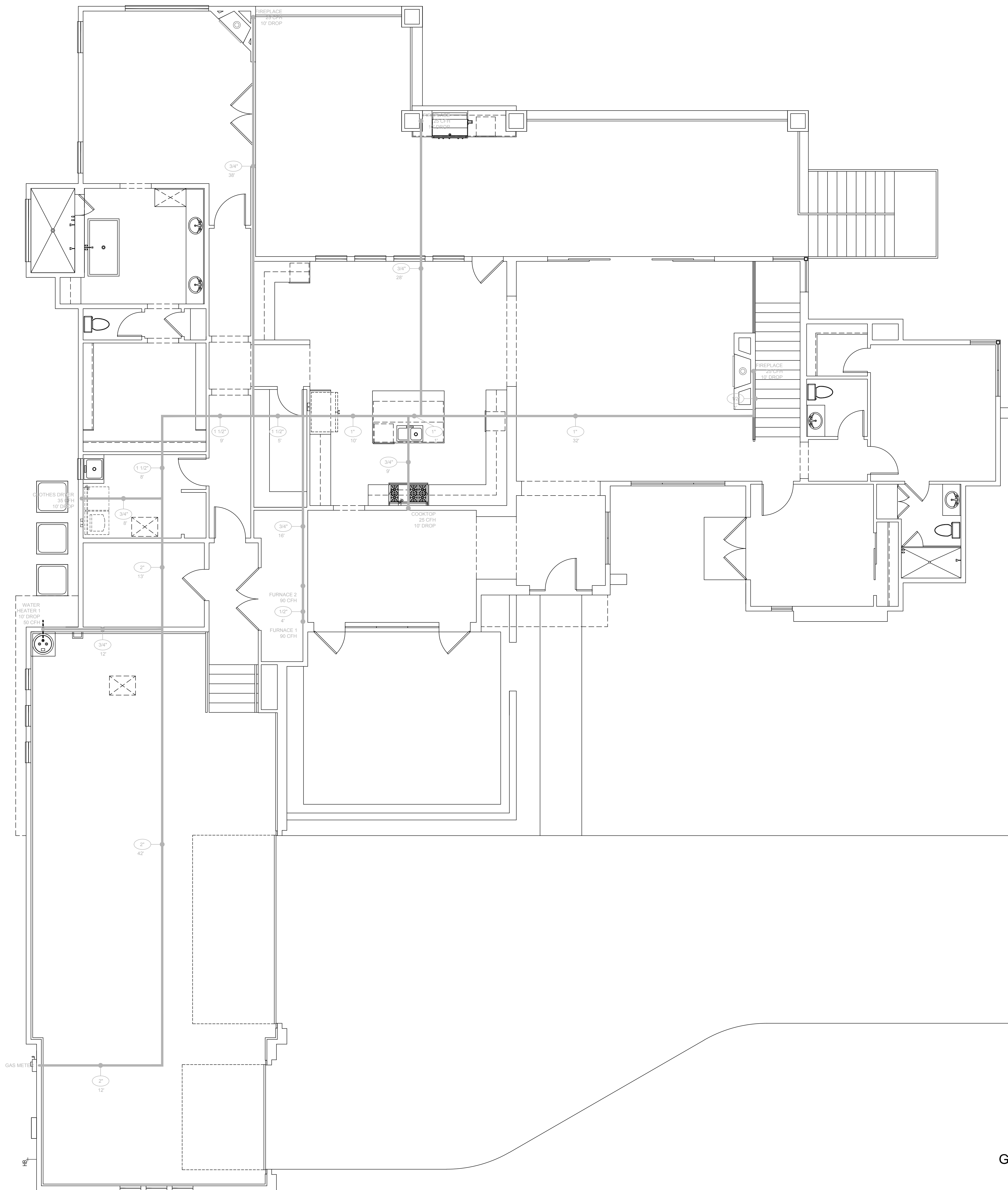
15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ.  
 85268



TITLE: PLUMBING SCHEMATIC  
 KASNOFF RESIDENCE

DATE: 8/06/21

\_\_\_\_\_  
 Δ  
 Δ  
 Δ



GAS	
NOTES:	
1. GAS PIPING CALCULATIONS CONFORM TO IRC TABLE G2413.4(1)(402-423)	
2. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE W/ MALLEABLE FITTINGS. USE COATED BLACK PIPE UNDERGROUND AND PLACE NO GAS PIPE UNDER SLAB UNLESS VENTED PER IRC STANDARDS.	
3. CONTACT SOUTHWEST GAS FOR INSTALLATION OF GAS SERVICE AND METER REQUIRED.	
BTU VALUES	
FIREPLACE	30,000 BTU'S
COOKTOP	18,000 BTU'S
DRYER	22,000 BTU'S
FURNACE 1	100,000 BTU'S
FURNACE 2	90,000 BTU'S
FURNACE 3	60,000 BTU'S
FURNACE 4	60,000 BTU'S
FURNACE 5	60,000 BTU'S
WATER HEATER 1	40,000 BTU'S
WATER HEATER 2	30,000 BTU'S

**brianscottedesign**  
 4127 E. Mesquite St.  
 Gilbert, AZ 85296  
 602-999-1690  
 bromney@brianscottedesign.com

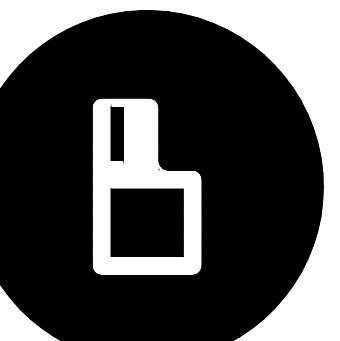
**KASNOFF RESIDENCE**

15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ.  
 85268

TITLE  
**GAS SCHEMATIC**  
 KASNOFF RESIDENCE

DATE: 8/06/21

SHEET NUMBER

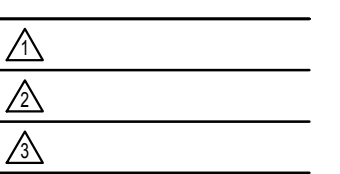


KASNOFF  
 RESIDENCE

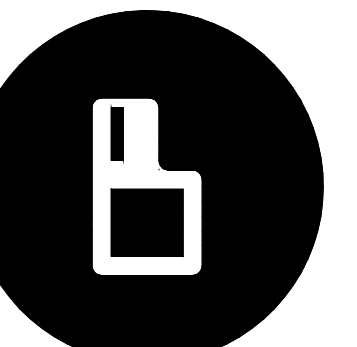
15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ.  
 85268

ARCHITECTURAL DETAILS  
 KASNOFF RESIDENCE

DATE: 8/06/21



<p>ROOF PENETRATION AT FIREPLACE VENTING</p>	<p>LISTED GAS VENT</p>	<p>BASE AT EXT. WALL (Stucco)</p>	<p>SADDLE</p>	<p>ROOF TO WALL</p>	<p>WATER HEATER PLATFORM</p>
<p>DIRECT VENT FIREPLACE</p>	<p>FLARED COLUMN BASE</p>	<p>EXT. WALL @ 2ND FLOORS</p>	<p>FASCIA</p>	<p>VALLEY FLASHING</p>	<p>RIDGE/HIP</p>
<p>DIRECT VENT FIREPLACE DETAIL</p>	<p>STONE VENEER ATTACH.</p>	<p>FLARED STUCCO BASE</p>	<p>TILE WEATHERBOARD</p>	<p>ATTIC ACCESS</p>	<p>RIDGE/HIP</p>
<p>DIRECT VENT FIREPLACE DETAIL</p>	<p>STONE VENEER ATTACH.</p>	<p>FLARED STUCCO BASE</p>	<p>TILE WEATHERBOARD</p>	<p>ATTIC ACCESS</p>	<p>RIDGE/HIP</p>

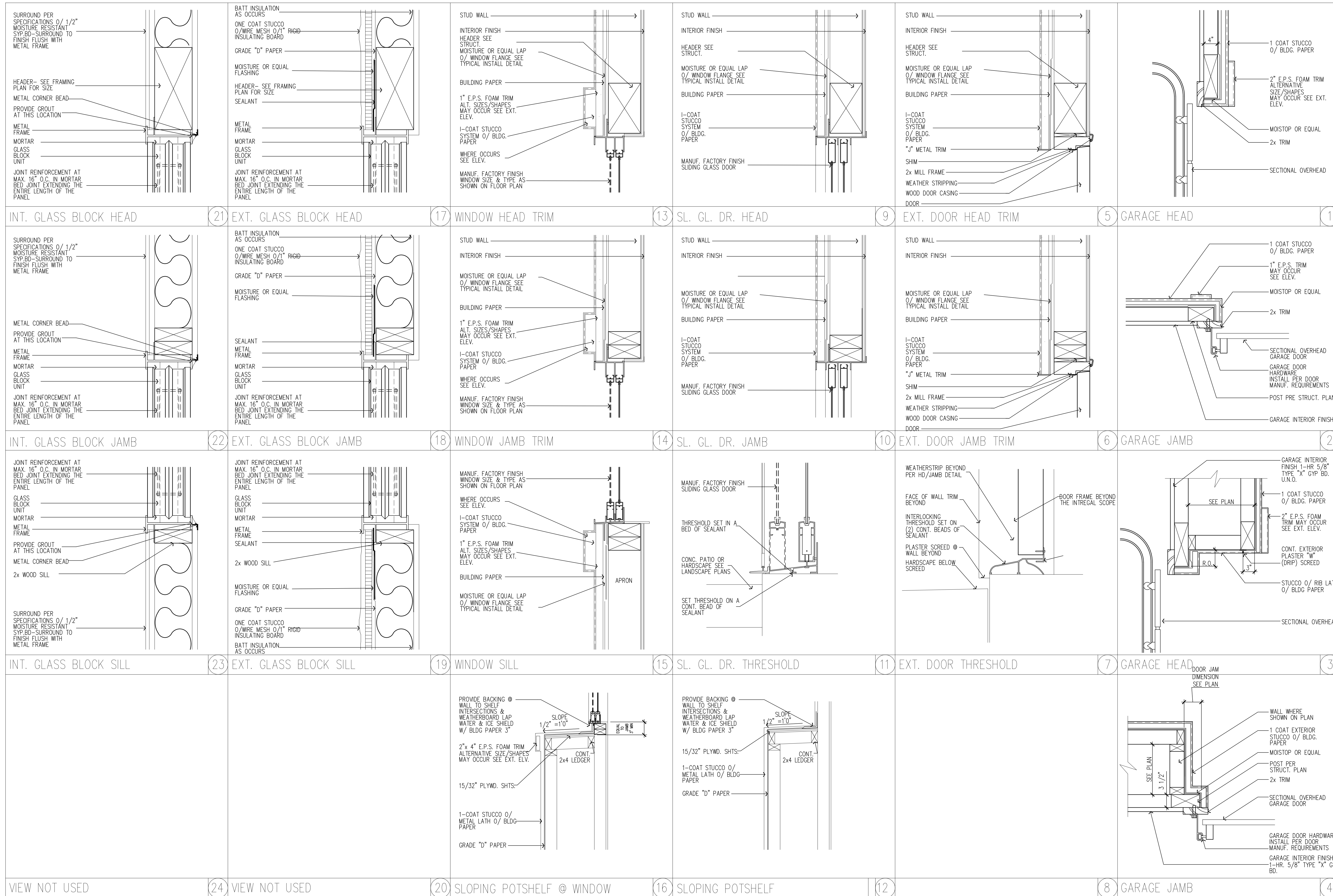
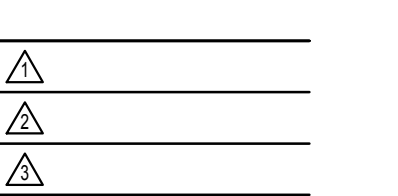


**KASNOFF  
 RESIDENCE**

15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ.  
 85268

TITLE  
**ARCHITECTURAL DETAILS**  
**KASNOFF RESIDENCE**

DATE: 8/06/21



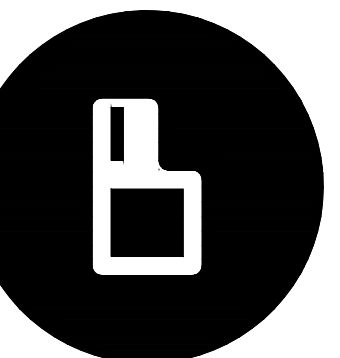
VIEW NOT USED

VIEW NOT USED

SLOPING POTSHELF @ WINDOW

SLOPING POTSHELF

GARAGE JAMB



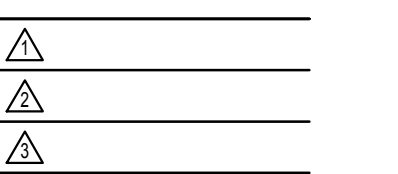
**KASNOFF  
 RESIDENCE**

15546 E. TELEGRAPH DR.  
 FOUNTAIN HILLS, AZ.  
 85268



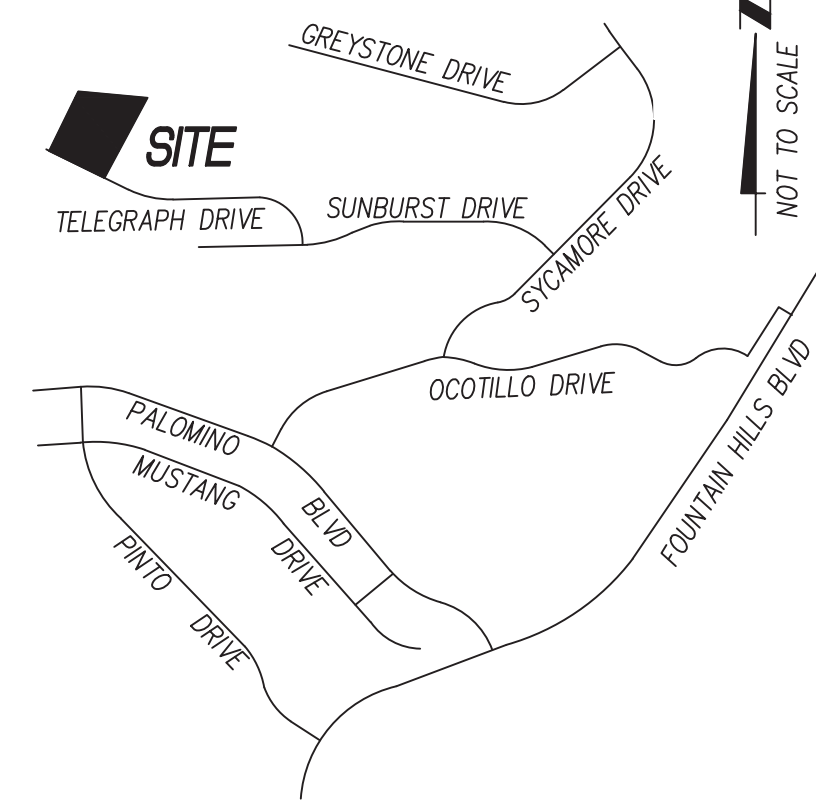
TITLE  
**ARCHITECTURAL DETAILS**  
**KASNOFF RESIDENCE**

DATE: 8/06/21



<p>SCREEN - 4 OR 8 GALV. WIRE MESH (23 GA.) ON BACK OF BLOCK</p> <p>1"-10 1/2"</p> <p>VENT NOTES:        1. SEE VENTILATION CALCULATIONS FOR VENTILATION REQUIREMENTS        2. STOP INSULATION FROM BLOCKING HOLES</p> <p>SCREEN EAVE VENT</p>	<p>2x4 NAILER CHAMFER TO RECEIVE STUCCO &amp; SLOPE TO DRAIN</p> <p>WOOD SHUTTER SEE EXT. ELEV. FOR SIZE &amp; STYLE</p> <p>2x WALL FRAMING</p> <p>AT EACH NAILER ICE &amp; WATER SHIELD EXTENDED 6" BEYOND END OF 2x4 NAILER</p> <p>SOLID BLOCKING</p> <p>2x4 NAILER BEHIND SHUTTER</p> <p>SECTION ELEVATION (NESCO OR EQUAL)</p>	<p>TRUSS- REFER TO STRUCTURAL FOR INFORMATION</p> <p>1'-0"</p> <p>2x BLOCKING</p> <p>ONE COAT STUCCO O/ WIRE MESH O/ 1" RIGID INSULATING BOARD</p> <p>2x EXTERIOR WALL</p> <p>2x BLOCKING</p> <p>26 GA. 14x8 GALV. METAL COMBUSTION AIR VENT</p> <p>2x BLOCKING</p> <p>1'-0"</p> <p>COMBUSTION AIR VENTS</p>	<p>110V OUTLET</p> <p>NAIL TO WOOD TRUSSES ABOVE (TYP. OF 4)</p> <p>LIGHT FIXTURE AT SERVICE AREA AND CONTROLS (N.E.C. 210-70)</p> <p>SWITCH LOCATED NEXT TO ATTIC ACCESS</p> <p>PROVIDE ELECTRICAL DISCONNECT</p> <p>HORIZONTAL AIR HANDLER IN ATTIC SPACE (HANG 12" FROM TRUSSES IF ROOM PERMITS)</p> <p>CONDENSATE DRAIN LINE CONNECTIONS</p> <p>3/4" PLYWOOD CATWALK TO ATTIC ACCESS (20" MAX FROM ATTIC ACCESS)</p> <p>RETURN AIR PORT</p> <p>36" IRON SUPPORT (FASTEN TO METAL STRAPS)</p> <p>30" 26 GA. SHEET METAL PAN UNDER A.H. WITH 3/4" PVC DRAIN</p> <p>3/4" PLYWOOD PLATFORM FOR SERVICE ACCESS AT CONTROLS</p> <p>PRE-FAB WOOD TRUSS</p> <p>SECONDARY DRAIN CONNECTION 3/4" MIN</p> <p>INSULATION</p> <p>AIR HANDLER IN ATTIC</p>	<p>LINTEL WINDOW</p> <p>ROUGH-IN OPENING</p> <p>SILL</p> <p>SEE NOTE BELOW</p> <p>1. ATTACH SILL STRIP WITH TOP EDGE LEVEL WITH ROUGH SILL EXTENDED BEYOND EDGE OF ROUGH OPENING AT LEAST 8" SECURE ALL MOISTOP (OR EQUAL) WITH GALVANIZED NAILS OR POWER-DRIVEN STAPLES</p> <p>2. ATTACH JAMB STRIP WITH SIDE EDGE EVEN WITH ROUGH-JAMB FRAMING START STRIP 1" BELOW LOWER EDGE OF SILL STRIP AND EXTEND 4" ABOVE LOWER EDGE OF LINTEL</p> <p>NOTE: LINE-WIRE WHEN USED AS BACKING TO SUPPORT PAPER BENEATH WIRE LATH (NETTING) FOR PORTLAND CEMENT PLASTER (STUCCO) SHALL BE INSTALLED AS FOLLOWS:        1. WIRE GAUGE, SPACING, AND ATTACHMENT SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF BUILDING NEWS ITEMS 47-1        2. PERIPHERAL FLASHING, AT ALL EDGES OF OPENING, MUST COVER THE WIRE BACKING        3. NO ATTACHMENT DEVICES NOR THE WIRE BACKING SHALL COVER OR PENETRATE THE FLASHING MATERIAL.</p> <p>3. INSTALL WINDOW JAMB NAILING FLANGES OVER A CONTINUOUS BEAD OF SEALANT ON THE MOISTOP (OR EQUAL). INSTALL THE WINDOW HEAD MOISTOP (OR EQUAL) ON A CONTINUOUS BEAD OF SEALANT APPLIED TO THE WINDOW HEAD NAILING FLANGE.</p> <p>NOTE: CUT ANY EXCESS BUILDING PAPER THAT MAY EXTEND ABOVE THE SILL FLANGE ABOVE EACH SIDE OF (SHOWN AS SHORT DASHED LINES). DO NOT SLICE BUILDING PAPER HORIZONTALLY SO THAT THE PAPER WILL LAP OVER THE JAMB STRIPS INSTALL SUCCESSIVE LINES OF BUILDING PAPER (B.C.D. ECT.) OVER JAMB AND HEAD FLANGES, LAPPING EACH COURSE.</p> <p>THE ABOVE METHOD APPLIES ONLY TO THE MOISTOP COMMONLY USED TYPE OF METAL FRAME (SURFACE MOUNTED). FOR OTHER TYPES OF FRAMES SPECIAL ATTENTION MUST BE PAID TO THE MANUFACTURERS RECOMMENDATIONS.</p> <p>TYPICAL MOISTSTOP INSTALL</p>
<p>OVERHANG ALUMINUM TILE VENT</p> <p>SUB-FLASHING TOG IN NEVA</p> <p>OVERHANG VENTS</p>	<p>RUBBER GASKET</p> <p>3/4" TUBE STEEL W/ SEALED ENDS PRIMED &amp; PAINTED WHERE OCCURS</p> <p>1/2" EXT. GRADE PLYWOOD</p> <p>3/4" TUBE STEEL W/ SEALED ENDS PRIMED &amp; PAINTED WHERE OCCURS</p> <p>STUCCO OVER E.P.S. FOAM (WHERE OCCURS)</p> <p>2x BLOCKING</p> <p>BUILDING PAPER</p> <p>2x FRAMING TRUSSES</p> <p>STUCCO RECESS</p>	<p>2x EXTERIOR WALL</p> <p>2x BLOCKING</p> <p>26 GA. 14x8 GALV. METAL COMBUSTION AIR VENT</p> <p>2x BLOCKING</p> <p>COMBUSTION AIR VENTS</p>	<p>36" IRON SUPPORT (FASTEN TO METAL STRAPS)</p> <p>30" 26 GA. SHEET METAL PAN UNDER A.H. WITH 3/4" PVC DRAIN</p> <p>3/4" PLYWOOD PLATFORM FOR SERVICE ACCESS AT CONTROLS</p> <p>PRE-FAB WOOD TRUSS</p> <p>SECONDARY DRAIN CONNECTION 3/4" MIN</p> <p>INSULATION</p> <p>AIR HANDLER IN ATTIC</p>	<p>NOTE: CUT ANY EXCESS BUILDING PAPER THAT MAY EXTEND ABOVE THE SILL FLANGE ABOVE EACH SIDE OF (SHOWN AS SHORT DASHED LINES). DO NOT SLICE BUILDING PAPER HORIZONTALLY SO THAT THE PAPER WILL LAP OVER THE JAMB STRIPS INSTALL SUCCESSIVE LINES OF BUILDING PAPER (B.C.D. ECT.) OVER JAMB AND HEAD FLANGES, LAPPING EACH COURSE.</p> <p>TYPICAL MOISTSTOP INSTALL</p>
<p>SCREEN - 4 OR 8 GALV. WIRE MESH (23 GA.) ON BACK OF BLOCK</p> <p>(3) 2" DIA. HOLES PER BLOCK</p> <p>BIRD BLOCKING VENTS</p>	<p>ROOF TRUSS</p> <p>14x14 TRANSFER GRILLE - TYP.</p> <p>ADJACENT ROOM</p> <p>LAUNDRY ROOM</p> <p>NOTE: ADJACENT ROOM CAN NOT BE CLOSET OR A BATHROOM</p> <p>PHOENIX ONLY</p> <p>LAUNDRY MAKE-UP AIR</p>	<p>14 1/2"</p> <p>3"</p> <p>16"</p> <p>4'-4"</p> <p>SOAP NICHE</p> <p>CENTER ON TUB</p> <p>SHOWER NICHE</p>	<p>CULTURED MARBLE PANELS</p> <p>6"</p> <p>PONY WALL AT 30" A.F.F.</p> <p>SLOPE TOP OF SHELF TO DRAIN (1/8" SLOPE BACK TO FRONT)</p> <p>2x FRAMING w/ MOISTURE RESISTANT GYP. BD.</p> <p>FLOOR</p> <p>SHOWER SHELF SECTION</p>	<p>2x6 FRAMING</p> <p>INTERIOR FINISH</p> <p>2x4 FRAMING</p> <p>2x4 FRAMING</p> <p>INTERIOR FINISH</p> <p>2x6 FRAMING</p> <p>NICHE</p>
<p>VIEW NOT USED</p>	<p>LINER (WATERPROOF MEMBRANE) AT MUD SET RECEPTOR ONLY</p> <p>SHOWER RECEPTOR MATERIALS PER BUILDERS SPECS</p> <p>SLOPE 1/4" = 1'-0"</p> <p>SLOPE MIN.</p> <p>SLOPE 1/2" = 1'-0"</p> <p>SLOPE MAX.</p> <p>9" MIN.</p> <p>4 1/2"</p> <p>1"</p> <p>2" MIN. - 9" MAX.</p> <p>SHOWER DRAIN RECEPTOR</p>	<p>14 1/2"</p> <p>3"</p> <p>16"</p> <p>4'-4"</p> <p>SOAP NICHE</p> <p>CENTER ON TUB</p> <p>SHOWER NICHE</p>	<p>2x6 FRAMING</p> <p>INTERIOR FINISH</p> <p>2x4 FRAMING</p> <p>2x4 FRAMING</p> <p>INTERIOR FINISH</p> <p>2x6 FRAMING</p> <p>NICHE</p>	<p>2x6 FRAMING</p> <p>INTERIOR FINISH</p> <p>2x4 FRAMING</p> <p>2x4 FRAMING</p> <p>INTERIOR FINISH</p> <p>2x6 FRAMING</p> <p>NICHE</p>

**LOCATION MAP**

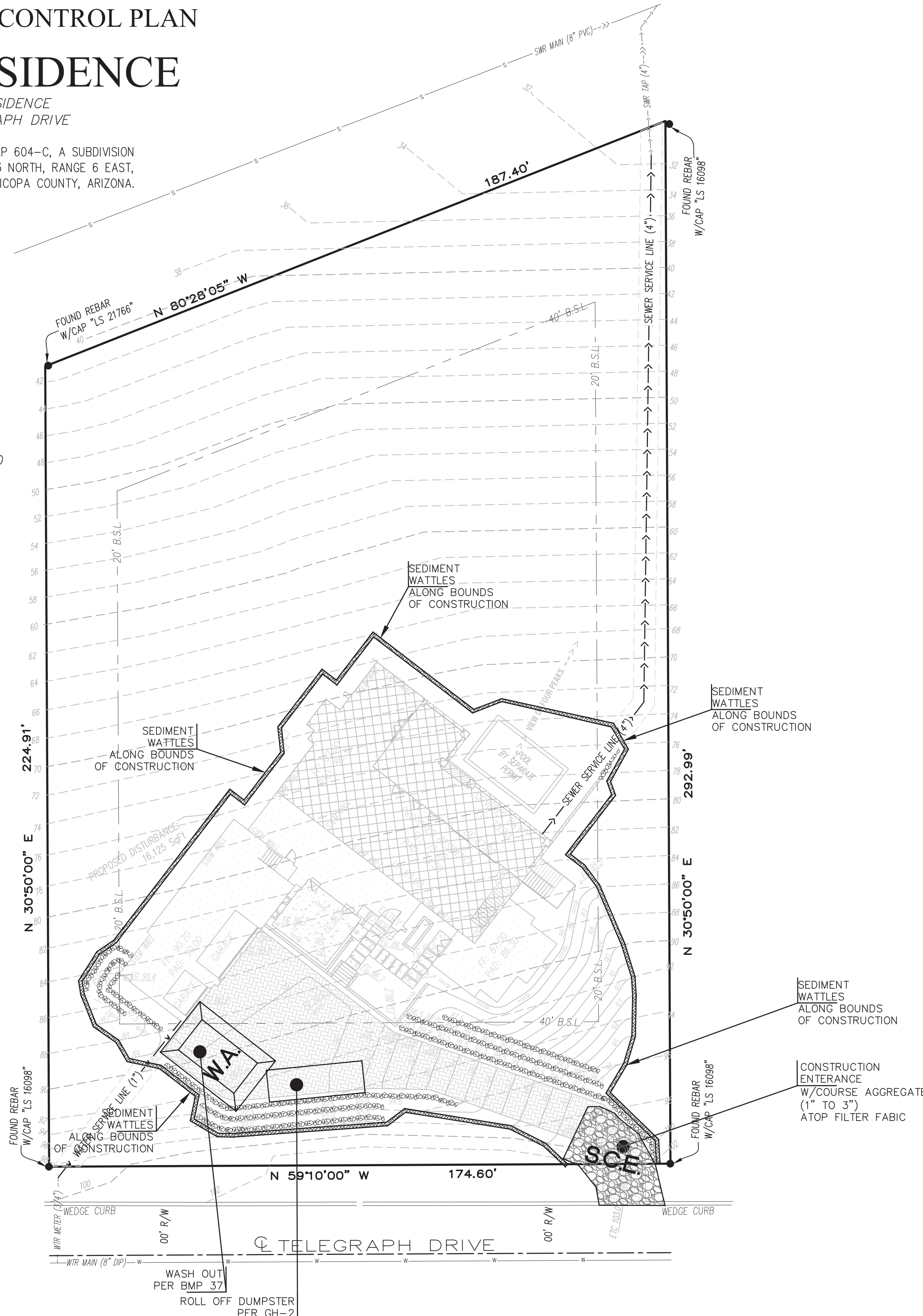
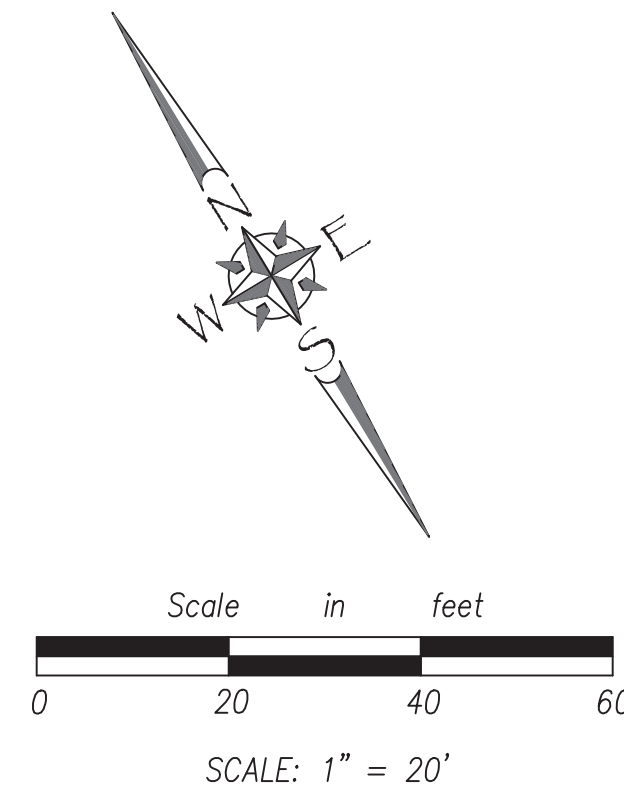


**EROSION & SEDIMENT CONTROL PLAN**

**FOR KASNOFF RESIDENCE**

A SINGLE FAMILY RESIDENCE  
at 15546 EAST TELEGRAPH DRIVE

A REPLAT OF BLOCK 2, 3, 8, 9, FINAL MAP 604-C, A SUBDIVISION SITUATED IN SECTION 16 & 21, TOWNSHIP 3 NORTH, RANGE 6 EAST, GILA & SALT RIVER BASE & MERIDIAN, MARICOPA COUNTY, ARIZONA.



WORK LOG		
DSN	DESCRIPTION	DATE
CBS	FIRST DRAFT - TOWN OF FOUNTAIN HILLS SUBMITTAL	10/18/21

**OWNER**  
C/O: GEORGE KASNOFF  
TIMOTHY & ELAINE OROURKE  
15716 EAST GREYSTONE DRIVE  
FOUNTAIN HILLS, AZ 85268

**SITE DATA**  
LEGAL DESCRIPTION:  
LOT 10, OF FOUNTAIN HILLS PLAT 604c, BLOCK 2, 3, 9 REPLAT, ACCORDING TO THE PLAT OF RECORD IN THE OFFICE OF THE COUNTY RECORDER OF MARICOPA COUNTY, ARIZONA, RECORDED IN BOOK 292 OF MAPS, PAGE 47.

NET AREA: 45,276 Sq.Ft. (1.04 Ac.)  
ADDRESS: 15546 E. TELEGRAPH DRIVE  
FOUNTAIN HILLS, ARIZONA 85268  
A.P.N.: 176-13-757  
ZONING: R1-35  
MAX LOT COVERAGE: 9,055 SqFt (20%)  
\*\*PER TOWN OF FH ZONING ORDINANCE  
BUILDING SETBACKS (BSB):  
FRONT 40'  
SIDE 20'  
REAR 40'  
PROPOSED LOT DISTURBANCE:  
BUILDING ENVELOPE 16,125 SqFt (35.6% of LOT)  
BUILDING FOOTPRINT:  
\*\* REFERENCE BUILDING PLAN SET

**EMERGENCY CONTACT**

AGENCY	SITUATION	PHONE
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) - EMERGENCY RESPONSE UNIT	EMERGENCY	602-771-2330 800-234-5677
	ROUTINE BUSINESS	602-771-4106 602-771-4155
NATIONAL RESPONSE CENTER	EMERGENCY	800-424-8802
LOCAL FIRE DEPARTMENT/DISTRICT	EMERGENCY	911
OTHER ADEQ CONTACT NUMBERS		
ADEQ FRONT DESK		602-771-2300
AIR QUALITY DIVISION		602-771-2308
WASTE PROGRAMS DIVISION		602-771-4209
POLLUTION PREVENTION/TRI		602-771-4235
WATER QUALITY DIVISION		602-771-2306
STROM WATER		602-771-4574

**SHEET INDEX**

ESC 1 : EROSION & SEDIMENT CONTROL - COVER SHEET  
ESC 2 : EROSION & SEDIMENT CONTROL - DETAIL

**SURVEYOR**

MONTGOMERY ENGINEERING & MANAGEMENT, LLC  
16716 E. PARKVIEW AVE, SUITE 204  
FOUNTAIN HILLS, AZ 85268  
PH. 480-837-8668

Survey Date: June 2007



**CONSTRUCTION NOTES**

- BMP NOTES:**
- SCE** STABILIZED CONSTRUCTION ENTERENCE W/DESIGNATED WASH OUT AREA PER BMP SPC-5
  - W.A.** WASH OUT PER BMP 37
  - SEDIMENT WATTLES** 12" STRAW WATTLES BY NORTH AMERICAN GREEN OR EQUAL (TYP) INSTALL PER MANUFACTURER'S SPECIFICATIONS

**BASIS OF BEARINGS**  
THE BASIS OF BEARINGS IS THE CENTER LINE OF TELEGRAPH DRIVE, HAVING A BEARING OF N 59°10'00" W.

**BENCHMARK**  
FOUNTAIN HILLS BM 119: BRASS CAP FLUSH AT THE INTERSECTION OF SUNBURST DRIVE AND TELEGRAPH DRIVE, HAVING AN ELEVATION OF 1833.50 FEET FOUNTAIN HILLS DATUM.

TBM: T/CURB AT SOUTHWEST CORNER OF LOT 10, HAVING AN ELEVATION OF 100 FEET TOWN OF FOUNTAIN HILLS DATUM.  
(480) 225-4920      551A72004@GMAIL.COM

CIVIL ENGINEER  
*Steven J. Seitz*  
33562  
STEVEN J. SEITZ  
10-18-21  
ARIZONA, U.S.A.  
Expires: 3/31/23

**CIVIL - STRUCTURAL**  
**S S E**  
**RESIDENTIAL - COMMERCIAL**

PROJECT MANAGER:  
CLINT SCHERF (480) 225-4920

11350 SOUTH VILKPOINTE WAY  
YUMA, ARIZONA 85367

**Erosion & Sediment Control Plan  
COVER SHEET**

LOT 10, FOUNTAIN HILLS PLAT 604C,  
BLOCK 2  
FOUNTAIN HILLS, ARIZONA

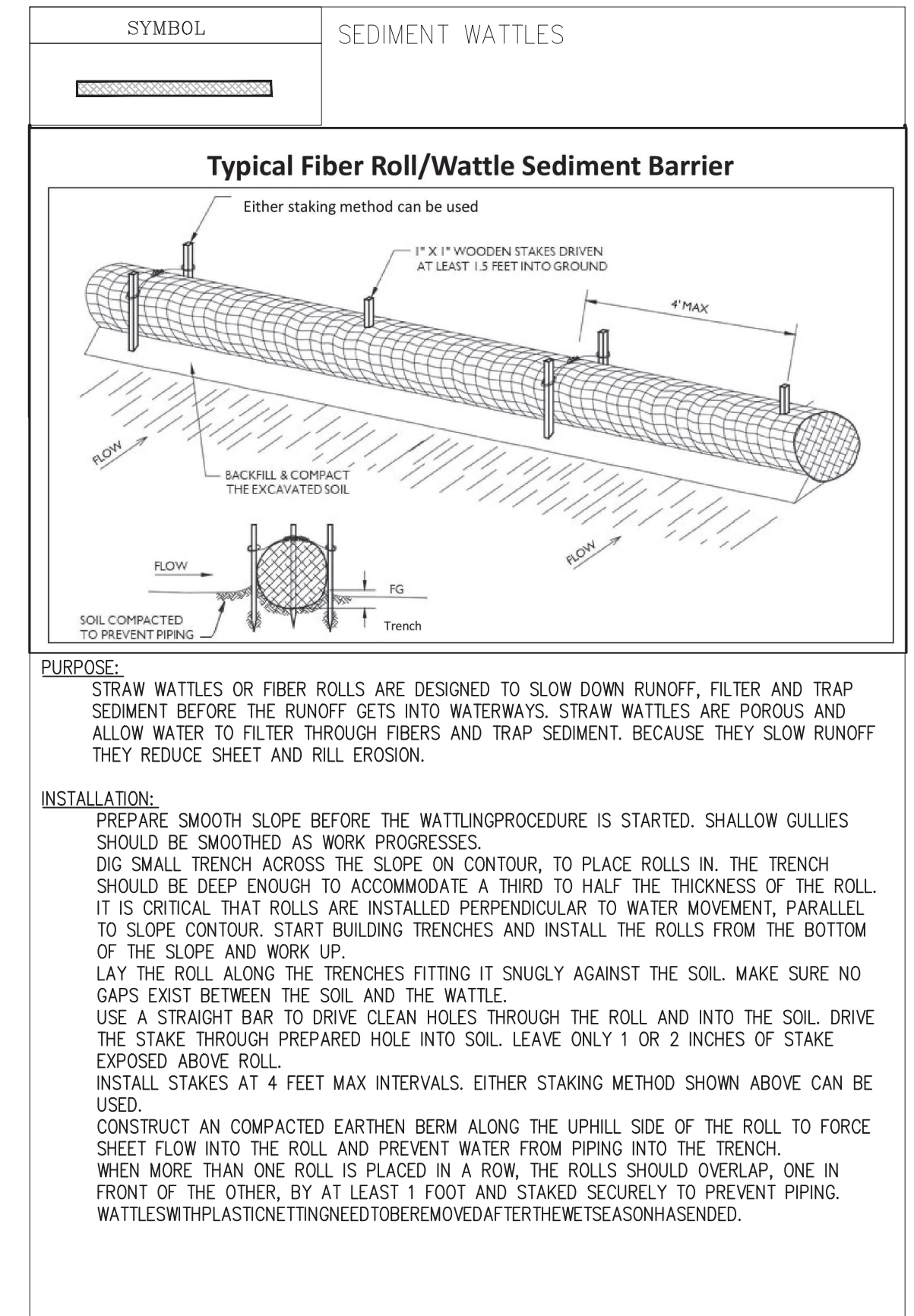
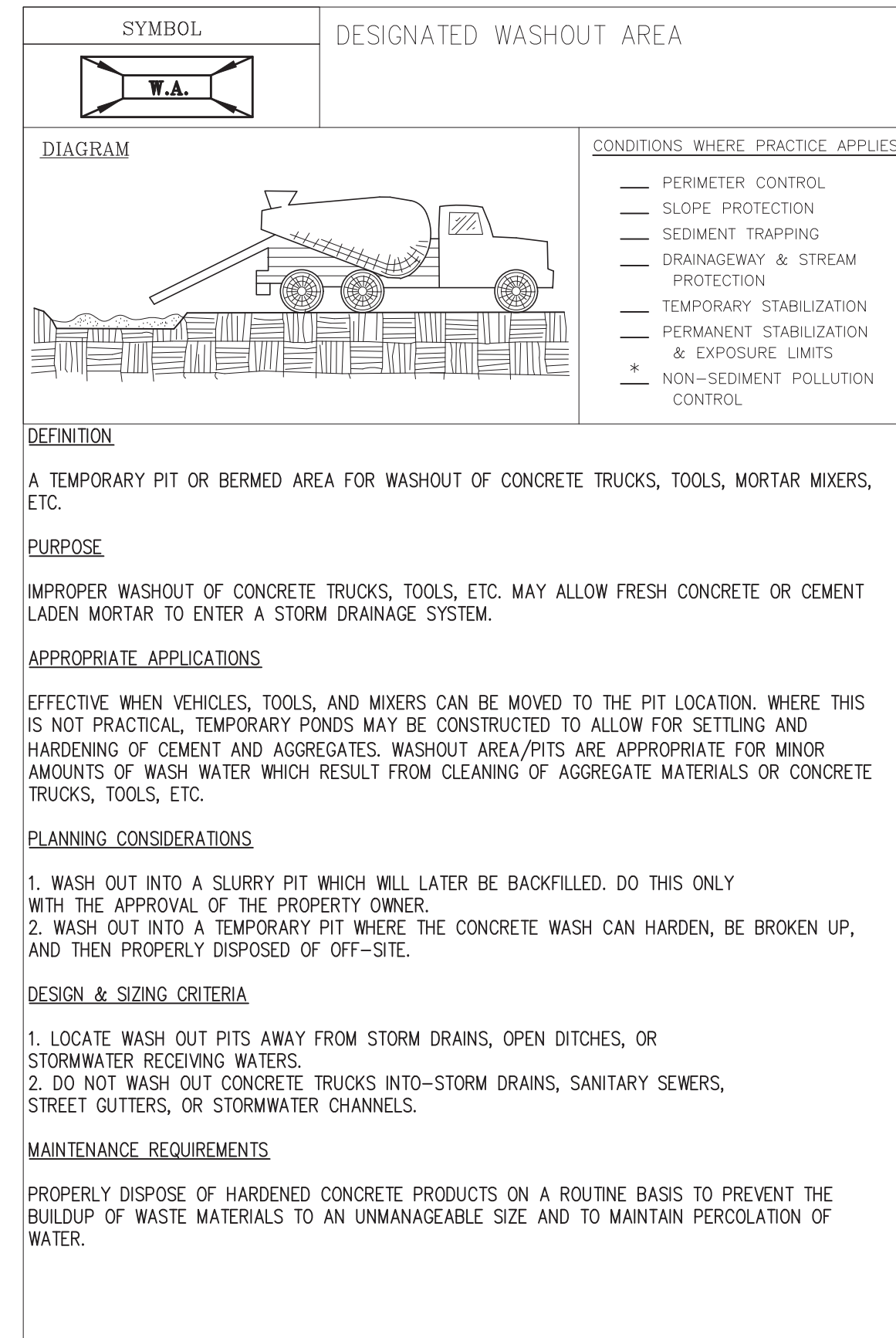
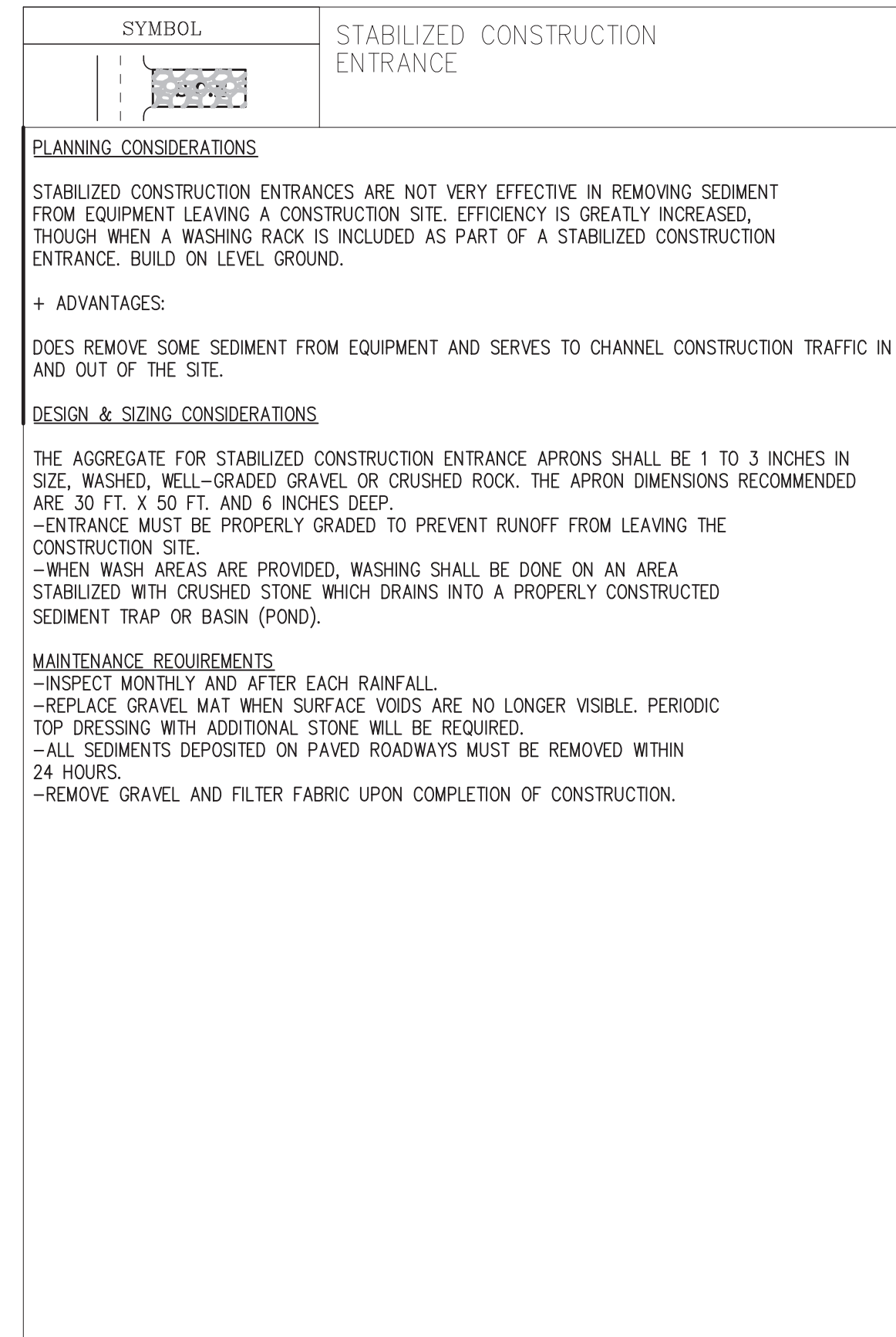
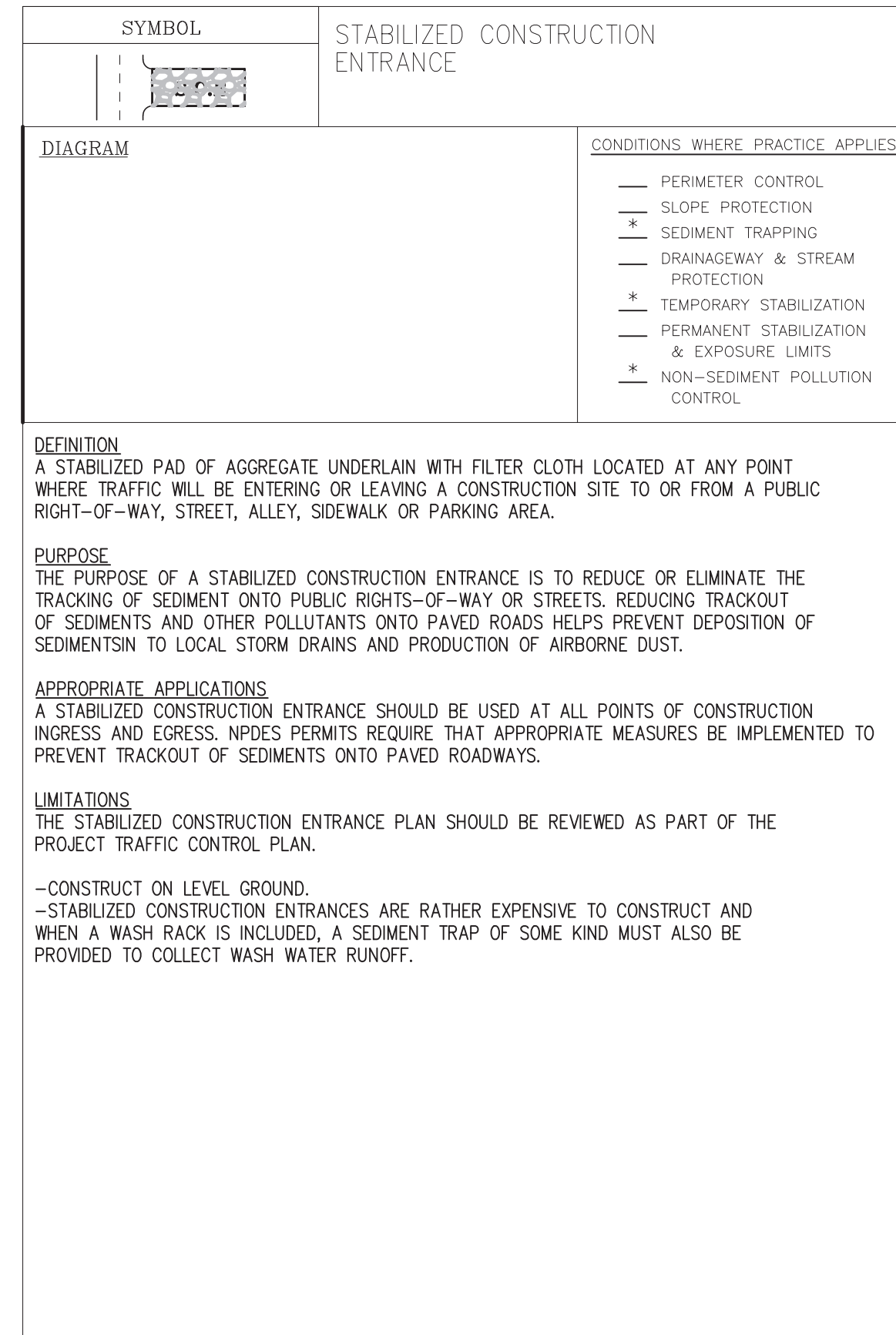
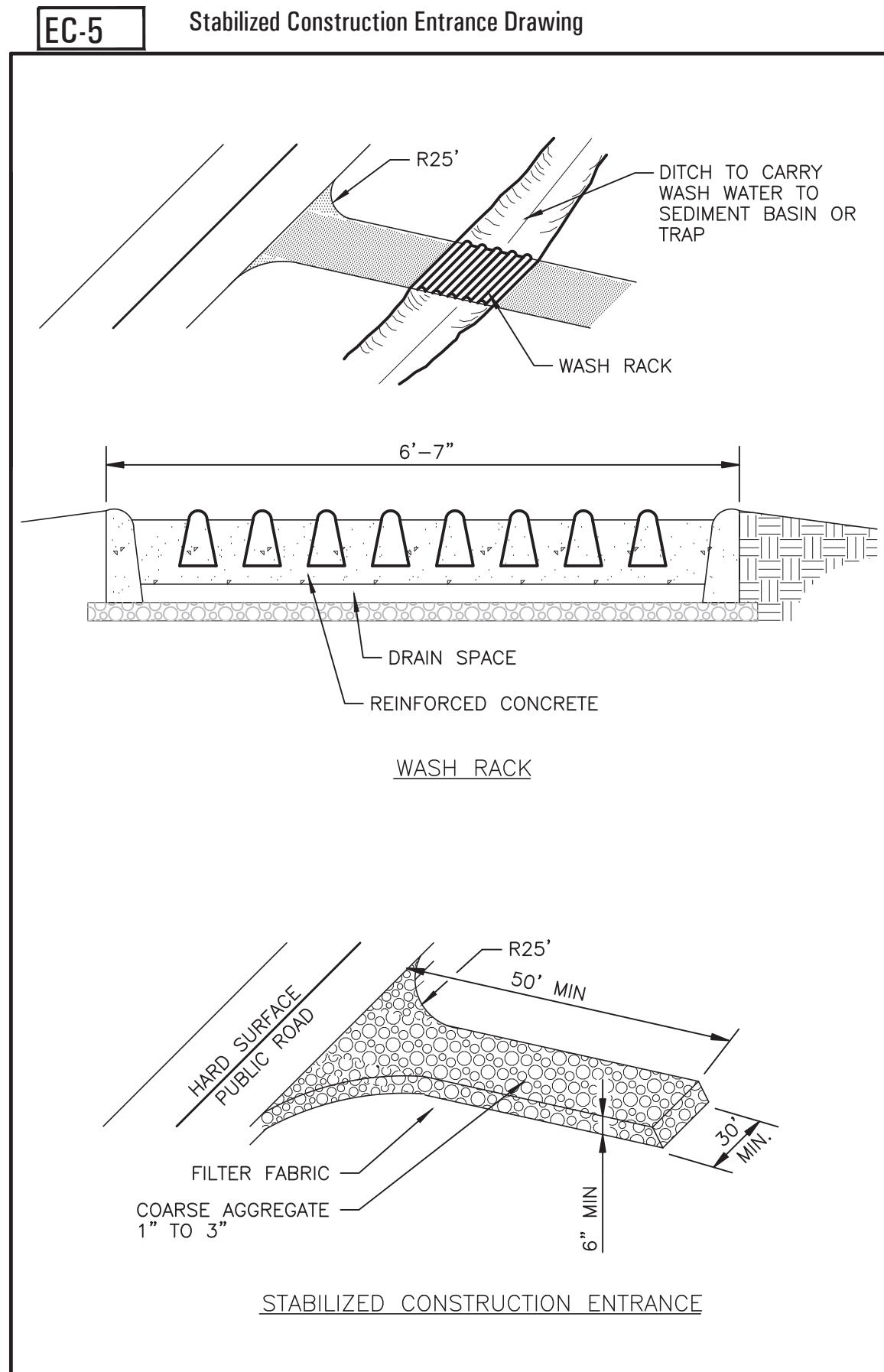
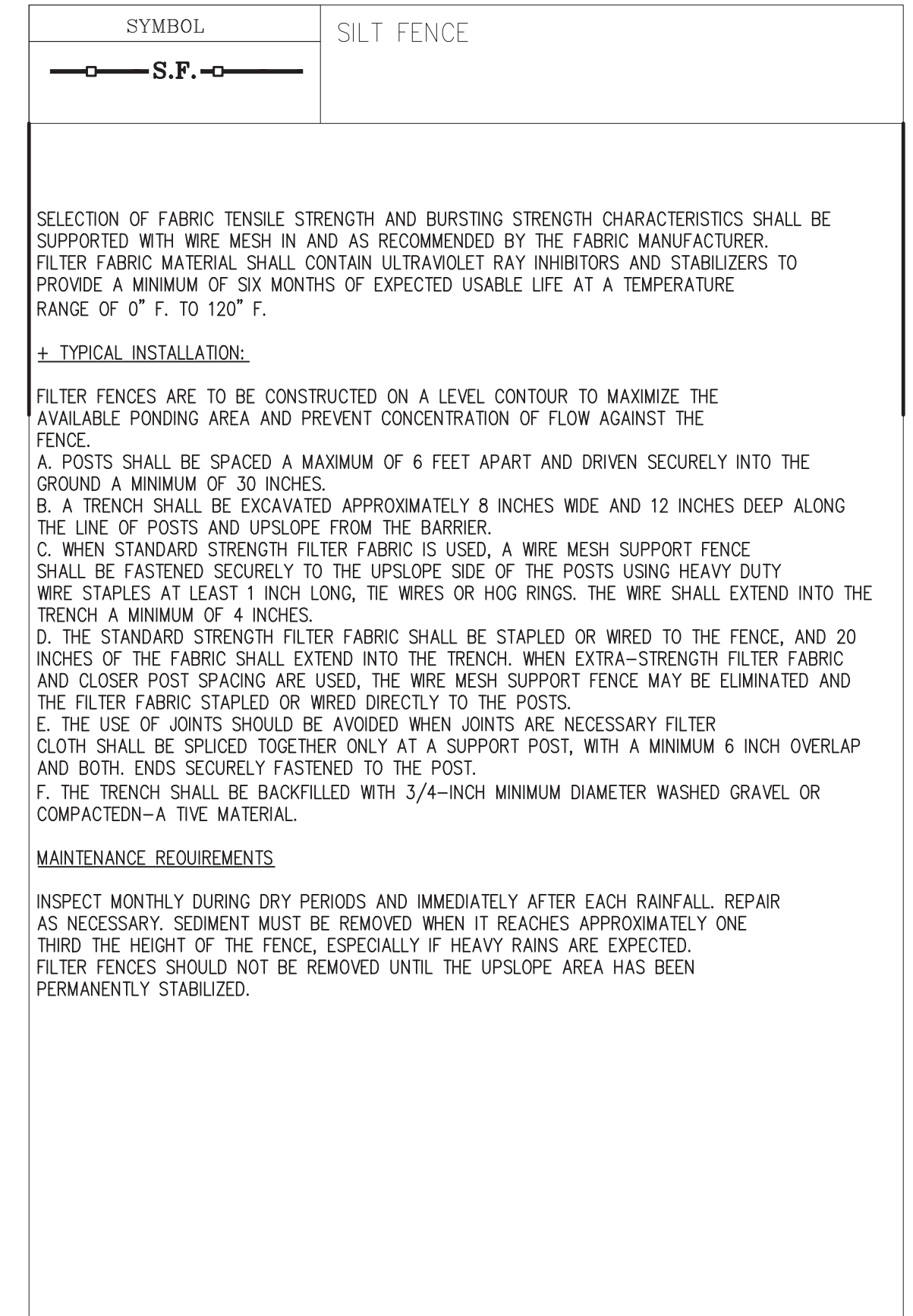
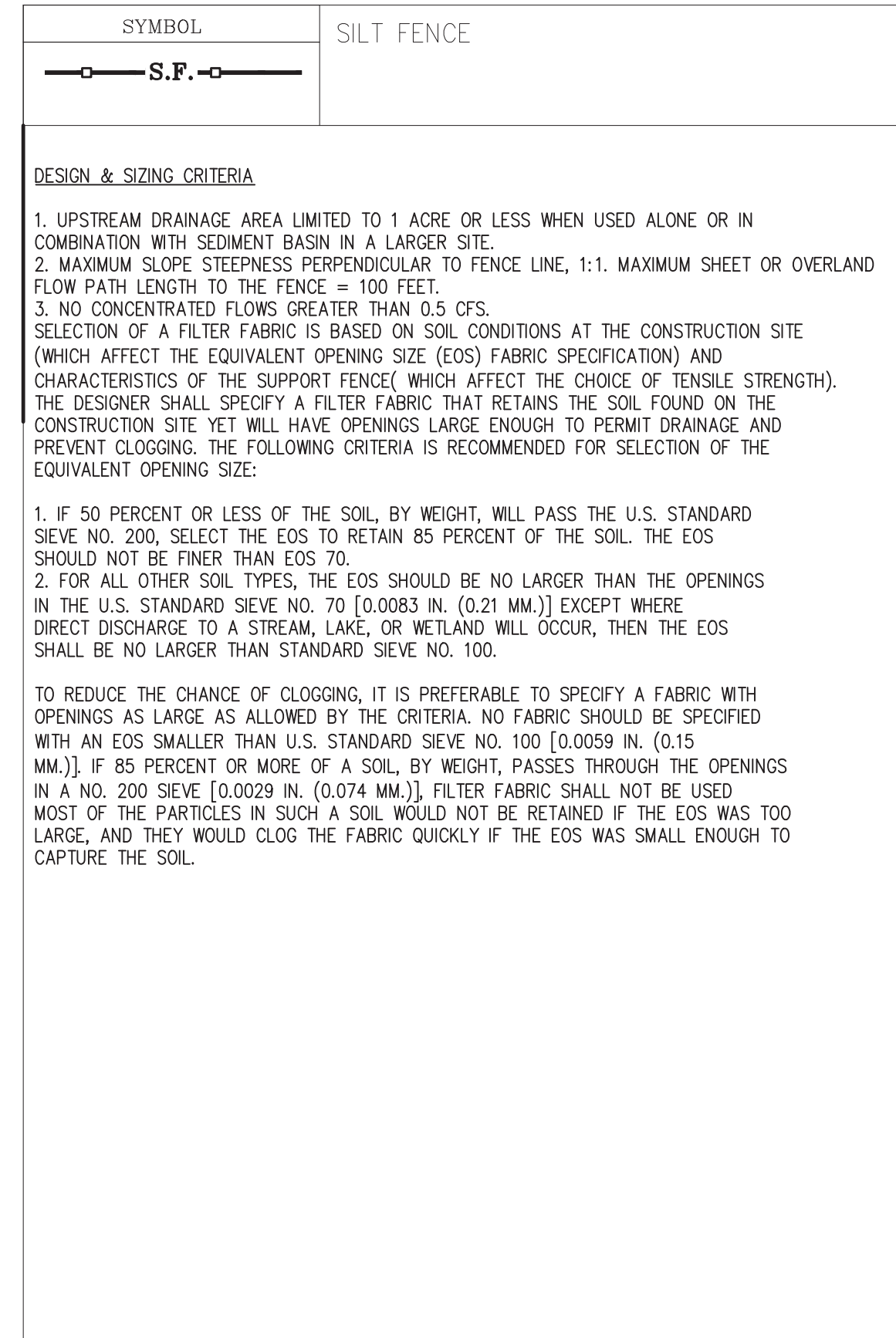
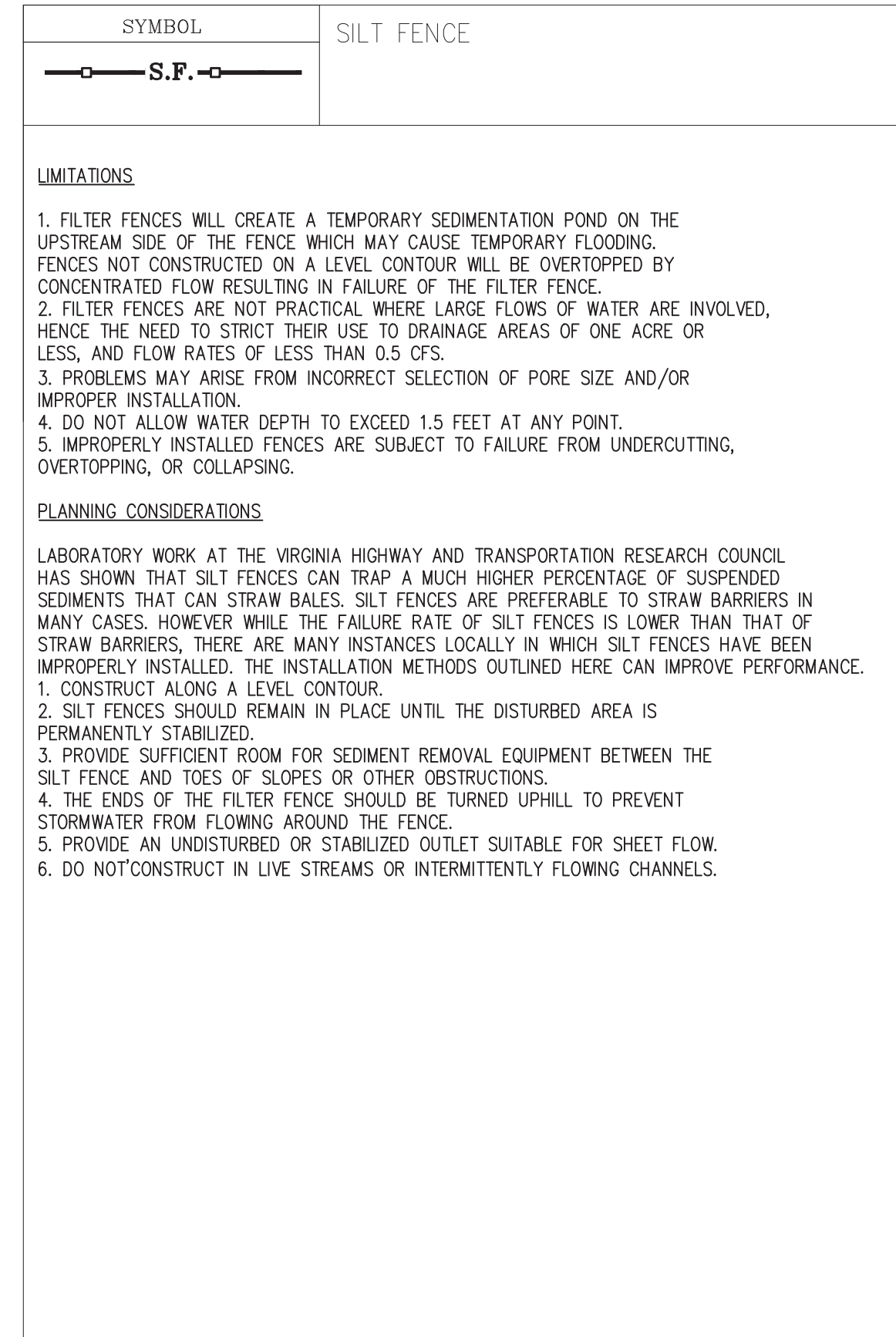
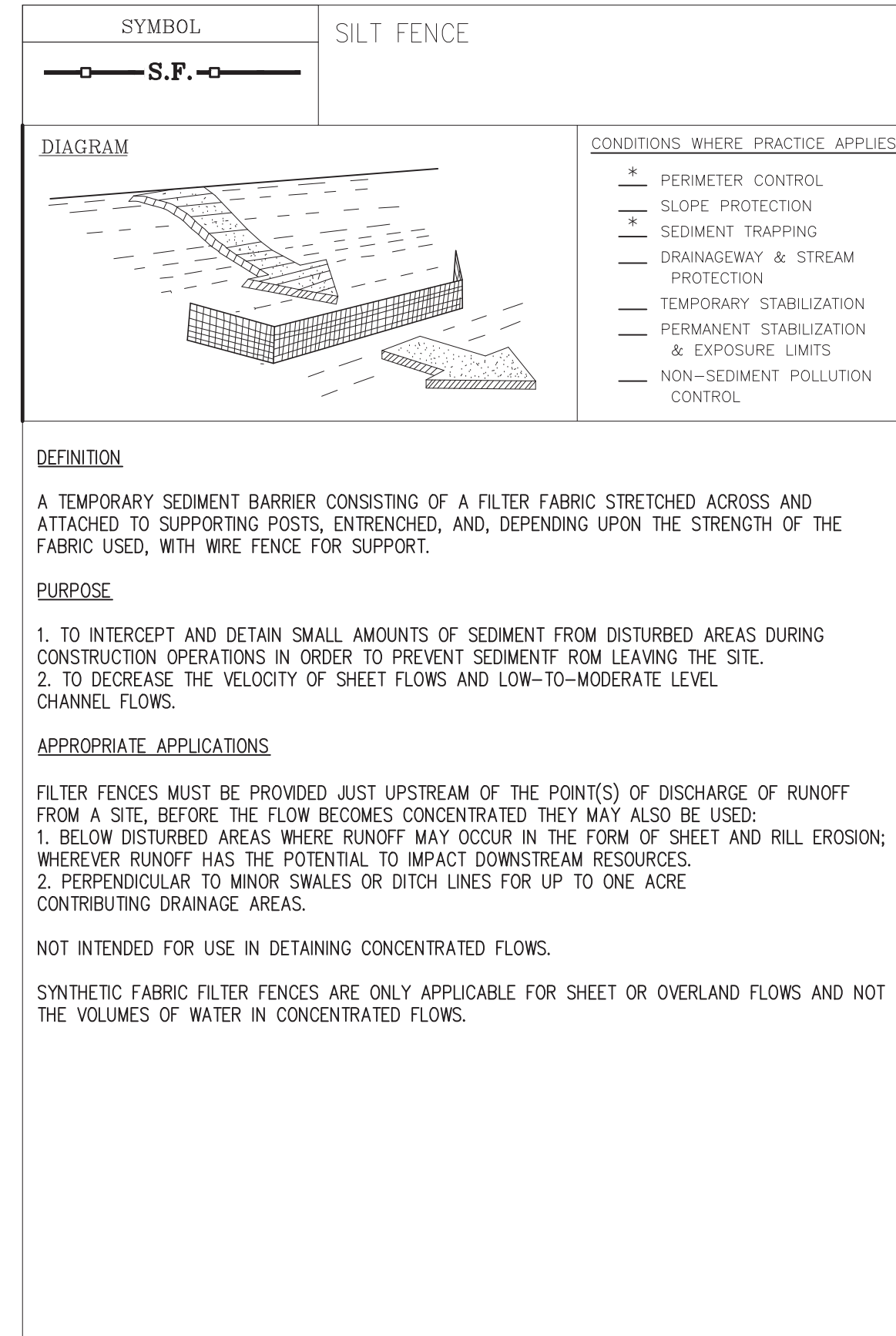
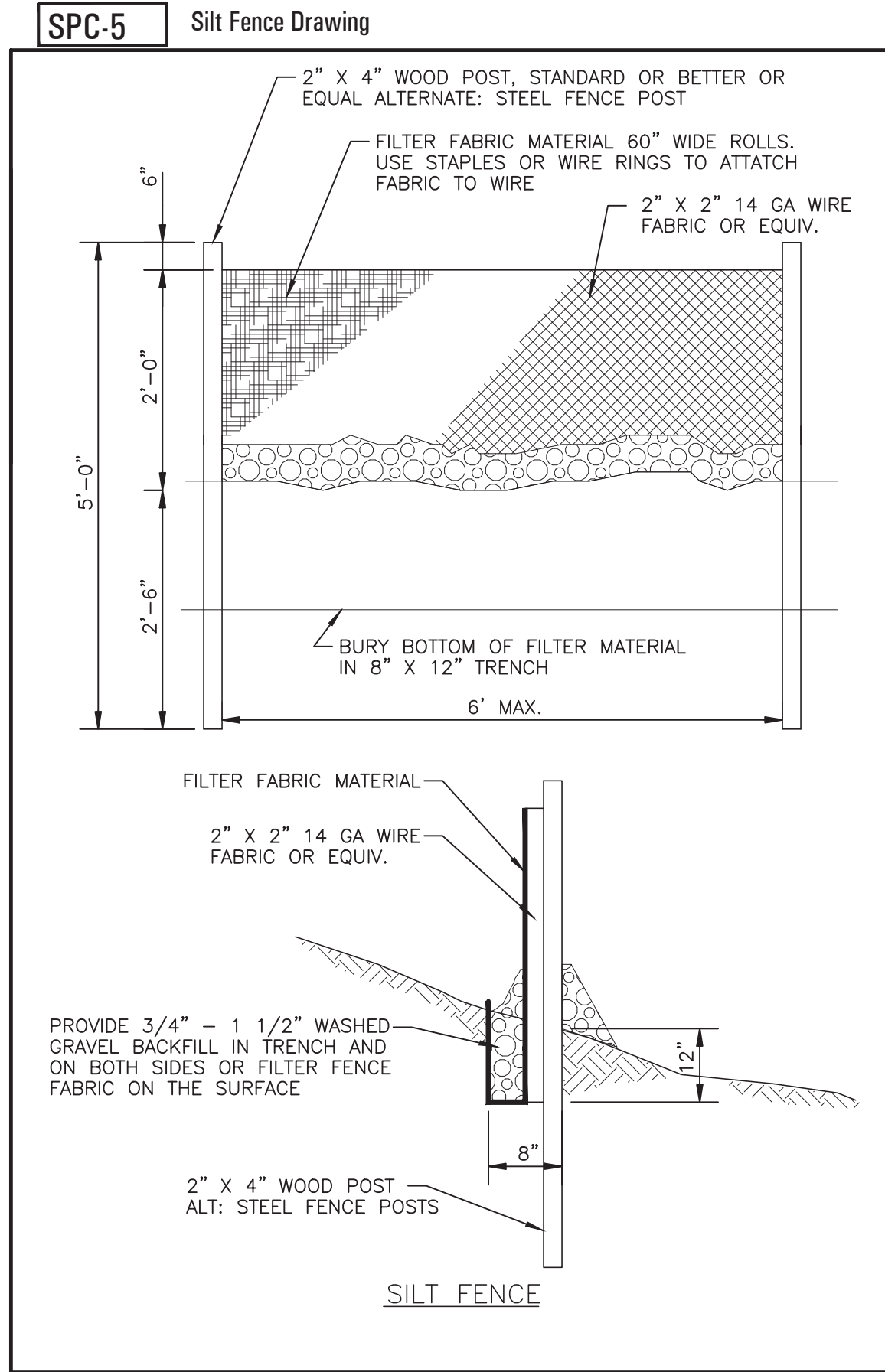
PROJECT No. SSE-936-2021  
SHEET: ESC 01



# EROSION & SEDIMENT CONTROL PLAN

## BEST MANAGEMENT PRACTICE DETAILS

WORK LOG		
DSN	DESCRIPTION	DATE
CBS	FIRST DRAFT - TOWN OF FOUNTAIN HILLS SUBMITTAL	10/18/21



Contact Arizona 811 at least two full working days before you begin excavation

**ARIZONA 811**

Call 811 or click Arizona811.com

CIVIL ENGINEER

(480) 225-4920

551AZ2004@GMAIL.COM

**CIVIL - STRUCTURAL**

**S S E**

**RESIDENTIAL - COMMERCIAL**

11350 SOUTH VILKPOINTE WAY  
YUMA, ARIZONA 85367

CIVIL ENGINEER

(480) 225-4920

551AZ2004@GMAIL.COM

**CIVIL - STRUCTURAL**

**S S E**

**RESIDENTIAL - COMMERCIAL**

11350 SOUTH VILKPOINTE WAY  
YUMA, ARIZONA 85367

**Erosion & Sediment Control Plan**

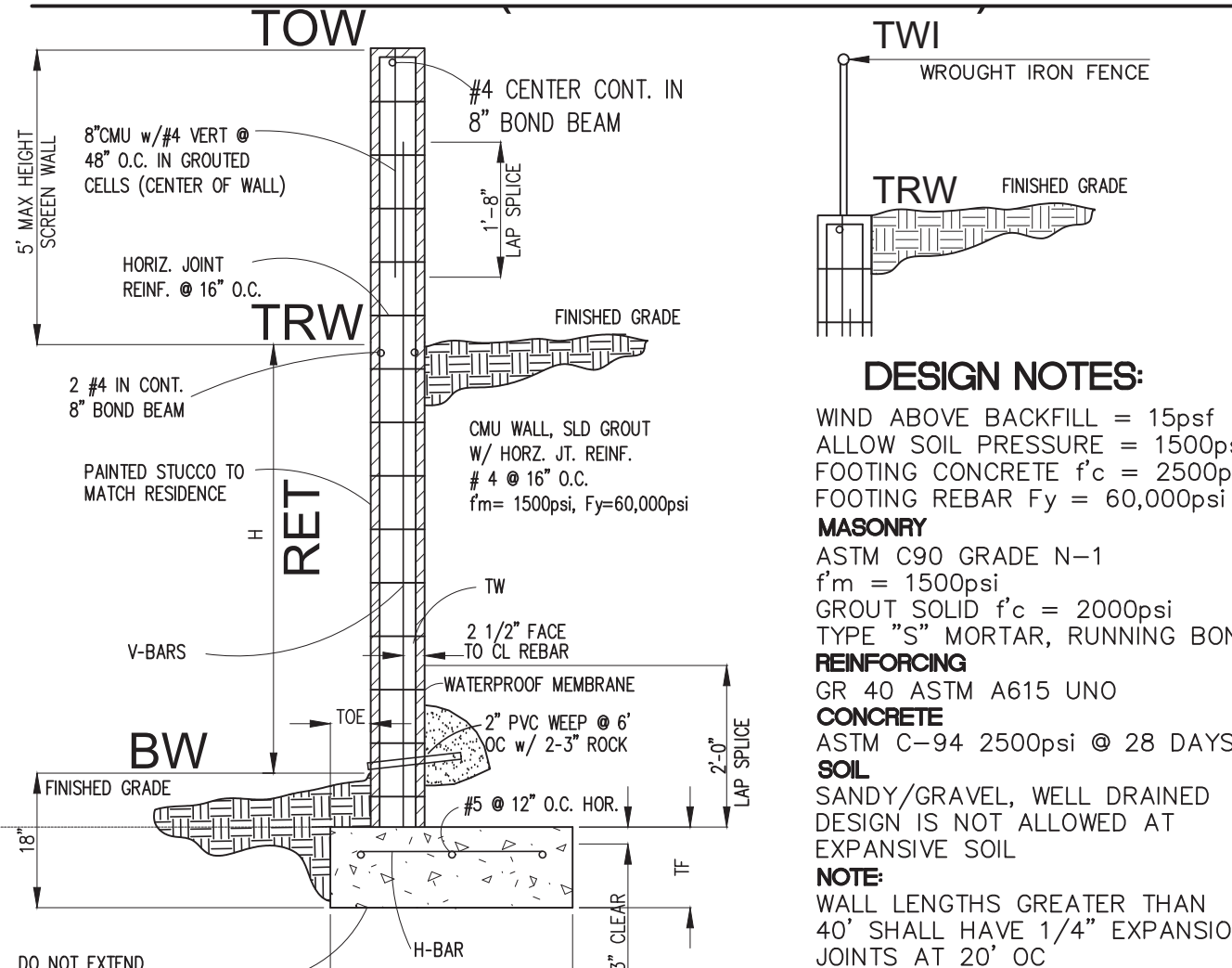
**DETAIL SHEET**

LOT 10, FOUNTAIN HILLS PLAT 604C,  
BLOCK 2  
FOUNTAIN HILLS, ARIZONA

PROJECT No. SSE-936-2021

SHEET: ESC 02

**RETAINING WALL DETAIL**

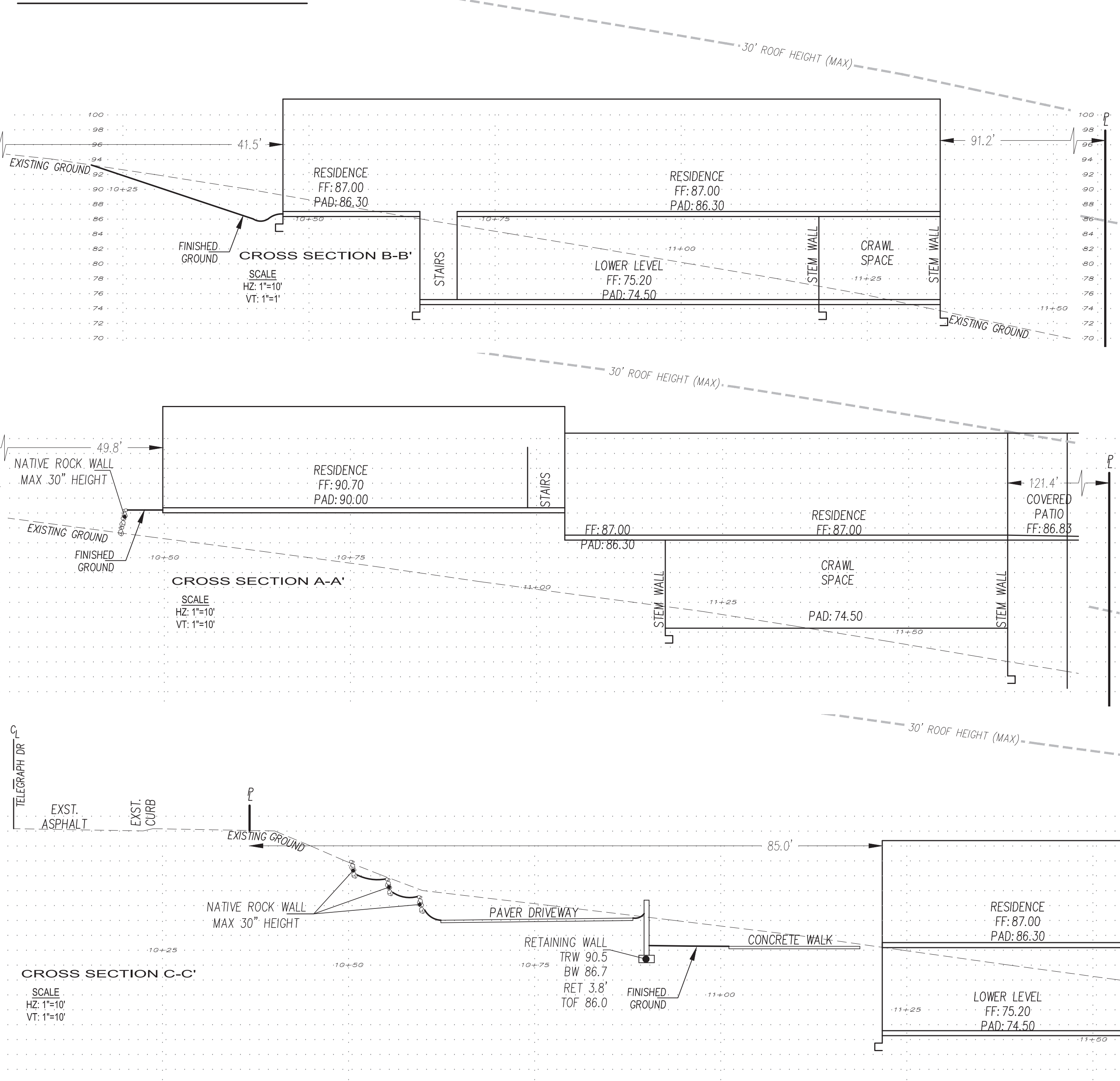


**WALL QUANTITIES**

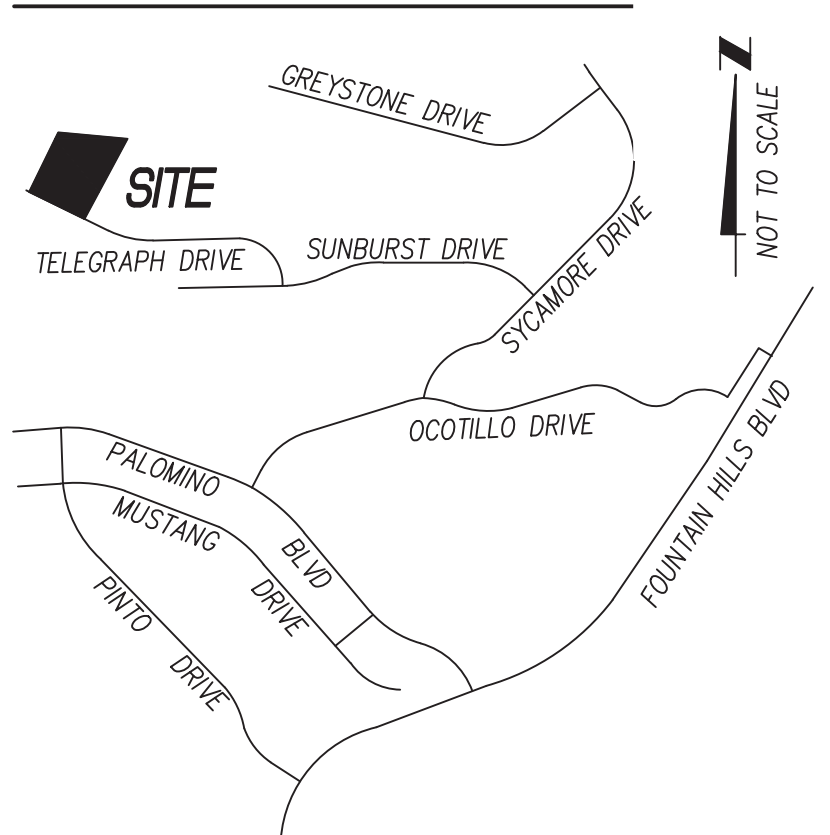
RETAINING WALL: 168 LF  
 WROUGHT IRON FENCING: LF

H	TW	V-BAR	L	TF	TOE	H-BAR
3'-4"	8"	#10 48"	2'-0"	8"	8"	#10 32"
5'-6"	8"	#50 32"	3'-0"	12"	8"	#50 24"
7'-0"	12"	#50 24"	4'-0"	12"	8"	#50 24"
8'-0"	12"	#50 16"	5'-0"	12"	12"	#50 16"

**SITE SECTIONS**



**LOCATION MAP**



**LEGEND**

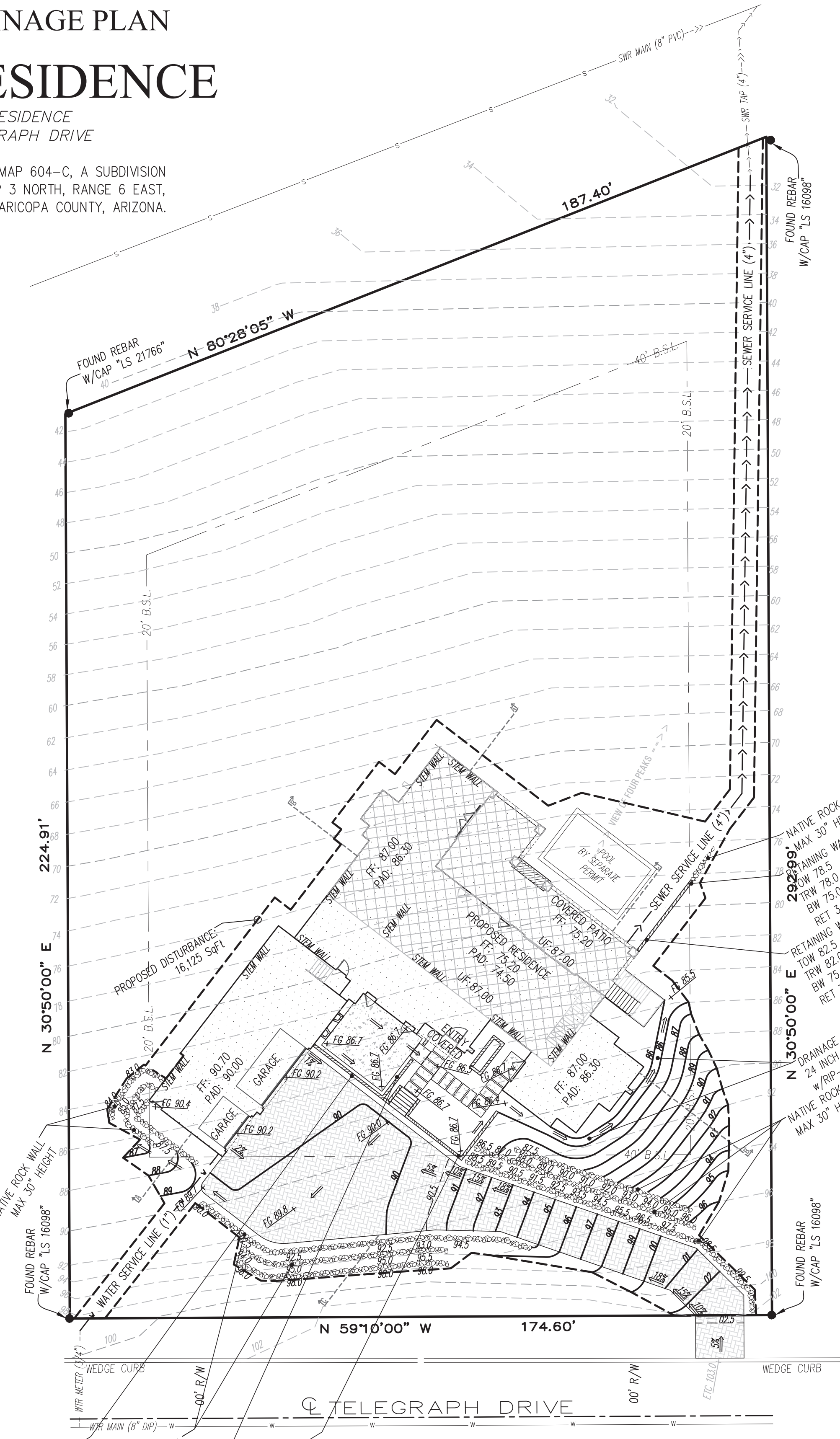
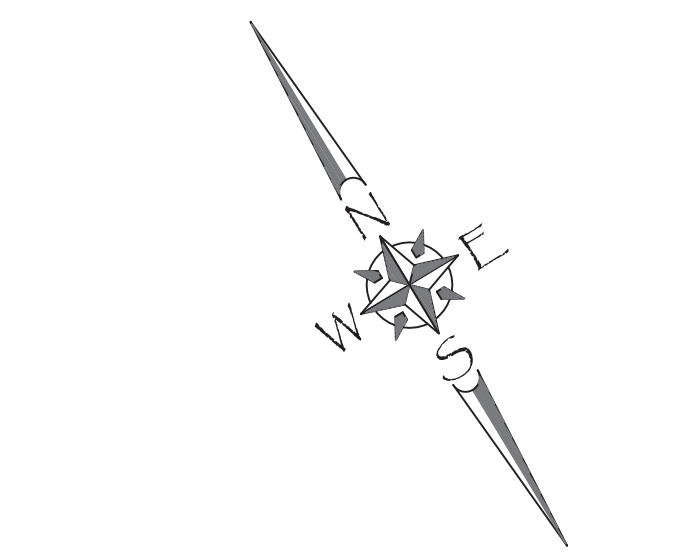
- FOUND REBAR (AS NOTED)
- P.U.E. PUBLIC UTILITIES EASEMENT
- B.S.L. BUILDING SETBACK LINE
- SANITARY MANHOLE
- SANITARY SEWER
- SAGUARO
- PALO VERDE
- OCOTILLO
- BARREL CACTUS

**GRADING & DRAINAGE PLAN**

**FOR KASNOFF RESIDENCE**

A SINGLE FAMILY RESIDENCE  
 at 15546 EAST TELEGRAPH DRIVE

A REPLAT OF BLOCK 2, 3, 8, 9, FINAL MAP 604-C, A SUBDIVISION  
 SITUATED IN SECTION 16 & 21, TOWNSHIP 3 NORTH, RANGE 6 EAST,  
 GILA & SALT RIVER BASE & MERIDIAN, MARICOPA COUNTY, ARIZONA.



**OWNER**

C/O: GEORGE KASNOFF  
 TIMOTHY & ELAINE OROURKE  
 15716 EAST GREYSTONE DRIVE  
 FOUNTAIN HILLS, AZ 85268

WORK LOG		
DSN	DESCRIPTION	DATE
CBS	FIRST DRAFT - TOWN OF FOUNTAIN HILLS SUBMITTAL	10/18/21

**SITE DATA**

**LEGAL DESCRIPTION:**  
 LOT 10, OF FOUNTAIN HILLS PLAT 604c, BLOCK 2, 3, 9  
 REPLAT, ACCORDING TO THE PLAT OF RECORD IN THE OFFICE  
 OF THE COUNTY RECORDER OF MARICOPA COUNTY, ARIZONA,  
 RECORDED IN BOOK 292 OF MAPS, PAGE 47.

**NET AREA:** 45,276 Sq.Ft. (1.04 Ac.)  
**ADDRESS:** 15546 E. TELEGRAPH DRIVE  
 FOUNTAIN HILLS, ARIZONA 85268  
**A.P.N.:** 176-13-757  
**ZONING:** R1-35

**MAX LOT COVERAGE:** 9,055 SqFt (20%)  
 \*\*PER TOWN OF FH ZONING ORDINANCE

**BUILDING SETBACKS (BSB):**  
 FRONT 40'  
 SIDE 20'  
 REAR 40'

**PROPOSED LOT DISTURBANCE:**  
 BUILDING ENVELOPE 16,125 SqFt (35.6% of LOT)

**BUILDING FOOTPRINT:**  
 \*\* REFERENCE BUILDING PLAN SET

**EARTHWORK CALCS:**  
 TOTAL CUT 578  
 TOTAL FILL 396  
 NET 182 Cu. Yd. (EXPORT)  
 \*APPROXIMATE TOTALS, NOT FOR BID  
 -GRADING CONTRACTOR TO VERIFY  
 -S.S.E. MAKES NO ASSURANCES AS TO THE FINAL  
 EARTHWORK QUANTITIES

**ENGINEERING NOTES:**

- TOPOGRAPHIC/BOUNDARY SURVEY WAS DONE BY OTHERS, S.S.E. MAKES NO ASSURANCES TO THE ACCURACY OF CONTOURS, BOUNDARY LOCATIONS, OR EASEMENT LOCATIONS WITHIN SAID SURVEY.
- THE BUILDING SETBACKS, ENVELOPE AND LOT COVERAGE ARE SHOWN PER THE ZONING DISTRICT. SETBACKS AND OTHER RESTRICTIONS CREATED BY AMENDED STANDARDS OR COVENANTS MAY BE APPLICABLE. FINAL INTERPRETATION IS THE RESPONSIBILITY OF THE OWNER OF SAID PROPERTY AND THE CORRESPONDING GOVERNMENTAL AGENCY OVERSEEING SAID PROPERTY.
- WATERMAIN AND SEWER LOCATIONS ARE BASED ON INFORMATION PROVIDED BY THE TOWN OF FOUNTAIN HILLS AND MONUMENTS FOUND IN THE FIELD MAY NOT BE EXACT. CONTRACTOR TO VERIFY ACTUAL SIZES, LOCATIONS AND TYPES OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM BUILDING FOUNDATION TO PROPERTY LINE, NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ALL COMPACTION, EXCAVATION AND BACK FILL SHALL BE DONE IN ACCORDANCE WITH GEOTECHNICAL REPORT OR AT MINIMUM A 95% COMPACTION RATE IS REQUIRED PER ASTM D698.
- UNDERGROUND DRAINAGE SYSTEM, IF ANY, ARE TO BE MAINTAINED BY OWNER, INCLUDING MAINTENANCE AND CLEANING. PERIODIC MAINTENANCE WILL KEEP SYSTEM OPERATING PROPERLY.
- POOL AND SPA BUILDING PERMIT TO BE OBTAINED BY OTHERS, AND DESIGN SPECS ARE NOT PART OF THIS PLAN. LOCATION OF SAID FACILITIES ON THIS PLAN ARE APPROXIMATIONS, AND ARE NOT FOR CONSTRUCTION.
- CERTIFICATION OF FINISH FLOORS OR BUILDING PADS IS THE RESPONSIBILITY OF THE DEVELOPER, BUILDER, OWNER AND SHALL BE SUBMITTED PRIOR TO A REQUEST FOR CERTIFICATION OF OCCUPANCY OR FINAL INSPECTION.
- AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
- ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, PIPES, PROTECTIVE BERMS OR OTHER MEASURES DESIGNED TO PROTECT BUILDINGS OR PROPERTY FROM STORM RUNOFF MUST BE COMPLETED PRIOR TO ANY STRUCTURE BEING BUILT.
- SOIL COMPACTION TEST RESULTS MUST BE SUBMITTED TO THE TOWN ENGINEER'S OFFICE FOR BUILDING PADS THAT HAVE TWO (2) OR MORE FEET OF MATERIAL INDICATED. THIS INFORMATION SHALL BE SUPPLIED PRIOR TO POURING FOUNDATIONS. MINIMUM 95% COMPACTION PER ASTM D698.
- PREPARATION OF GROUND: THE AREA OVER WHICH FILLS ARE TO BE MADE SHALL BE CLEARED OF ALL TRASH, TREES, STUMPS, DEBRIS OR OTHER MATERIAL NOT SUITABLE AS A FOUNDATION FOR FILL.
- LOCATIONS OF ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON INFORMATION SUPPLIED TO THE ENGINEER BY THE APPROPRIATE UTILITY COMPANIES. NO GUARANTEE ON LOCATIONS OR ACCURACY IS IMPLIED OR GIVEN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT BLUE STAKE (263-1100) AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
- RETAINING WALLS SHALL BE BACKFILLED WITH 2" TO 3" STONE WITH 2" DRAINS 6" ON CENTER.
- DISTURBED AREAS SHALL BE REPLANTED WITH DESERT PLANTS OR DROUGHT-RESISTANT PLANTS. EXISTING VEGETATION SHALL BE RELOCATED IF DISTURBED BY CONSTRUCTION.
- ALL EXPOSED RETAINING WALLS AND FENCES SHALL BE FINISHED WITH PAINTED STUCCO.
- CONTRACTOR/BUILDER SHALL NOTIFY THE ENGINEER OF ANY VARIANCES BETWEEN THESE PLANS AND ON-SITE CONDITIONS.
- ALL DRAINAGE SWALES SHALL BE MAINTAINED BY OWNER TO BE FREE OF TRASH, SILT, VEGETATION AND DEBRIS.
- CONTRACTOR SHALL VERIFY PROPERTY LINE LOCATIONS PRIOR TO PROCEEDING WITH WORK.
- ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL AND PLUMBING ARE NOT A PART OF THIS SITE PLAN.
- LOCATIONS OF ANY VEGETATION NOTED ARE APPROXIMATE AND SHOULD NOT BE USED FOR LANDSCAPE ARCHITECTURAL PLANNING.
- SWALES SHALL BE LINED WITH 4" MINIMUM ROCK AND BE A MINIMUM OF 14" DEEP AFTER FINISH LANDSCAPING.
- FINISH GRADE SHALL SLOPE AWAY FROM RESIDENCE AT 5% FOR A MINIMUM DISTANCE OF 10' TO AN APPROVED WATER DISPOSAL AREA.
- SWIMMING POOLS, SPAS, FENCES, AND SITE WALLS REQUIRE SEPARATE PERMITS.
- MITIGATION OF EXPANSIVE SOIL IS NOT A PART OF THIS PLAN. SEE HOUSE PLANS FOR REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE 1" MINIMUM WATER SERVICE.
- CONCRETE WALKING SURFACES 30" ABOVE GRADE REQUIRE A GUARDRAIL.

**BASIS OF BEARINGS**  
 THE BASIS OF BEARINGS IS THE CENTER LINE OF TELEGRAPH DRIVE, HAVING A BEARING OF N 59°10'00" W.

**BENCHMARK**  
 FOUNTAIN HILLS BM 119: BRASS CAP FLUSH AT THE INTERSECTION OF SUNBURST DRIVE AND TELEGRAPH DRIVE, HAVING AN ELEVATION OF 1833.50 FEET FOUNTAIN HILLS DATUM.

TBM: T/CURB AT SOUTHWEST CORNER OF LOT 10, HAVING AN ELEVATION OF 100 FEET  
 TOWN OF FOUNTAIN HILLS DATUM.  
 (480) 225-4920

**CIVIL ENGINEER**  
 STEVEN J. SEITZ  
 33562  
 10-18-21  
 ARIZONA U.S.A.  
 Expires: 3/31/23

**CIVIL - STRUCTURAL**  
**S S E**  
**RESIDENTIAL - COMMERCIAL**  
 11350 SOUTH VILKPOINTE WAY  
 YUMA, ARIZONA 85367

**PROJECT MANAGER:**  
 CLINT SCHERF (480) 225-4920

**SURVEYOR**  
 MONTGOMERY ENGINEERING & MANAGEMENT, LLC  
 16716 E. PARKVIEW AVE, SUITE 204  
 FOUNTAIN HILLS, AZ 85268  
 PH. 480-837-8668

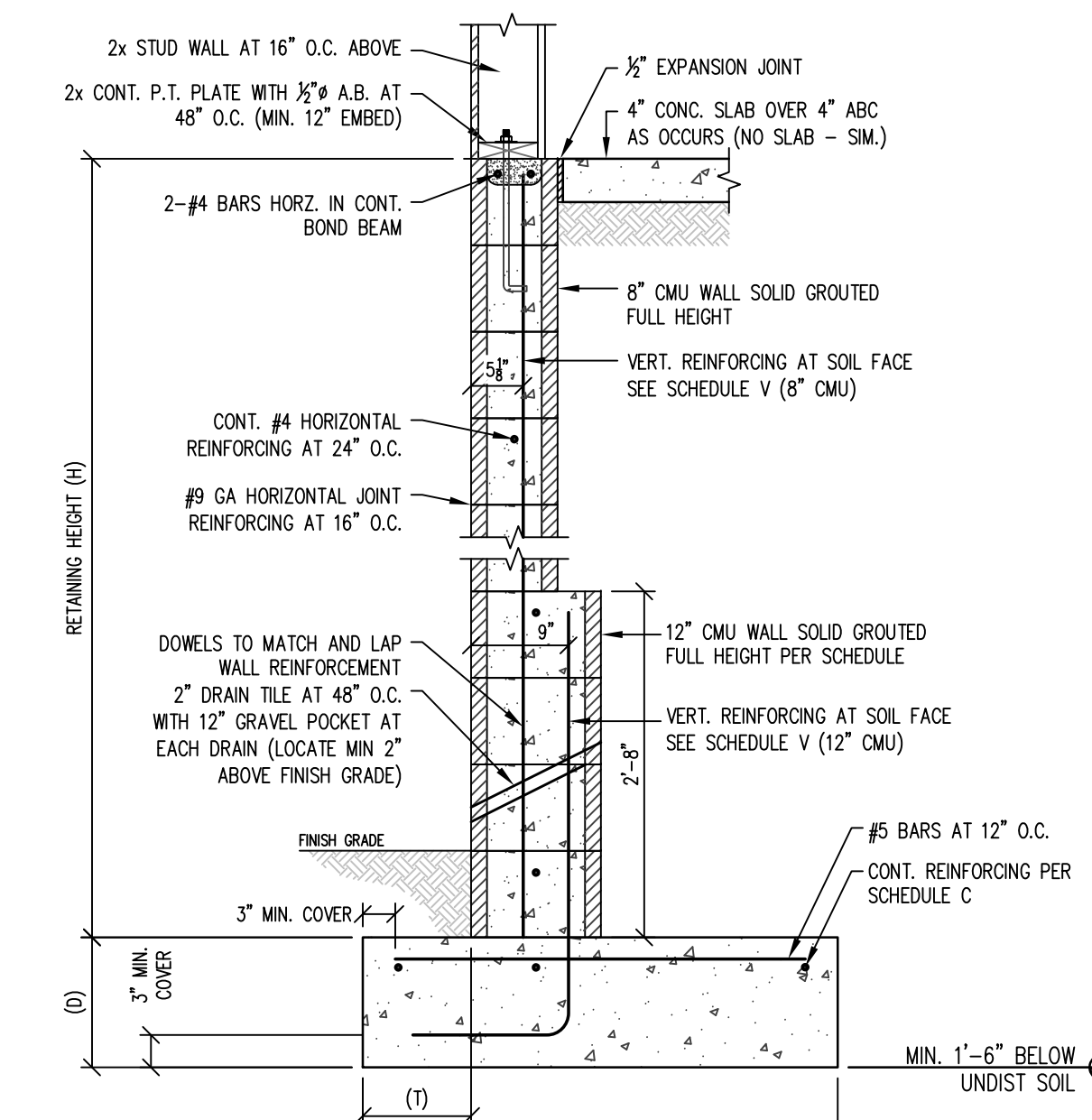
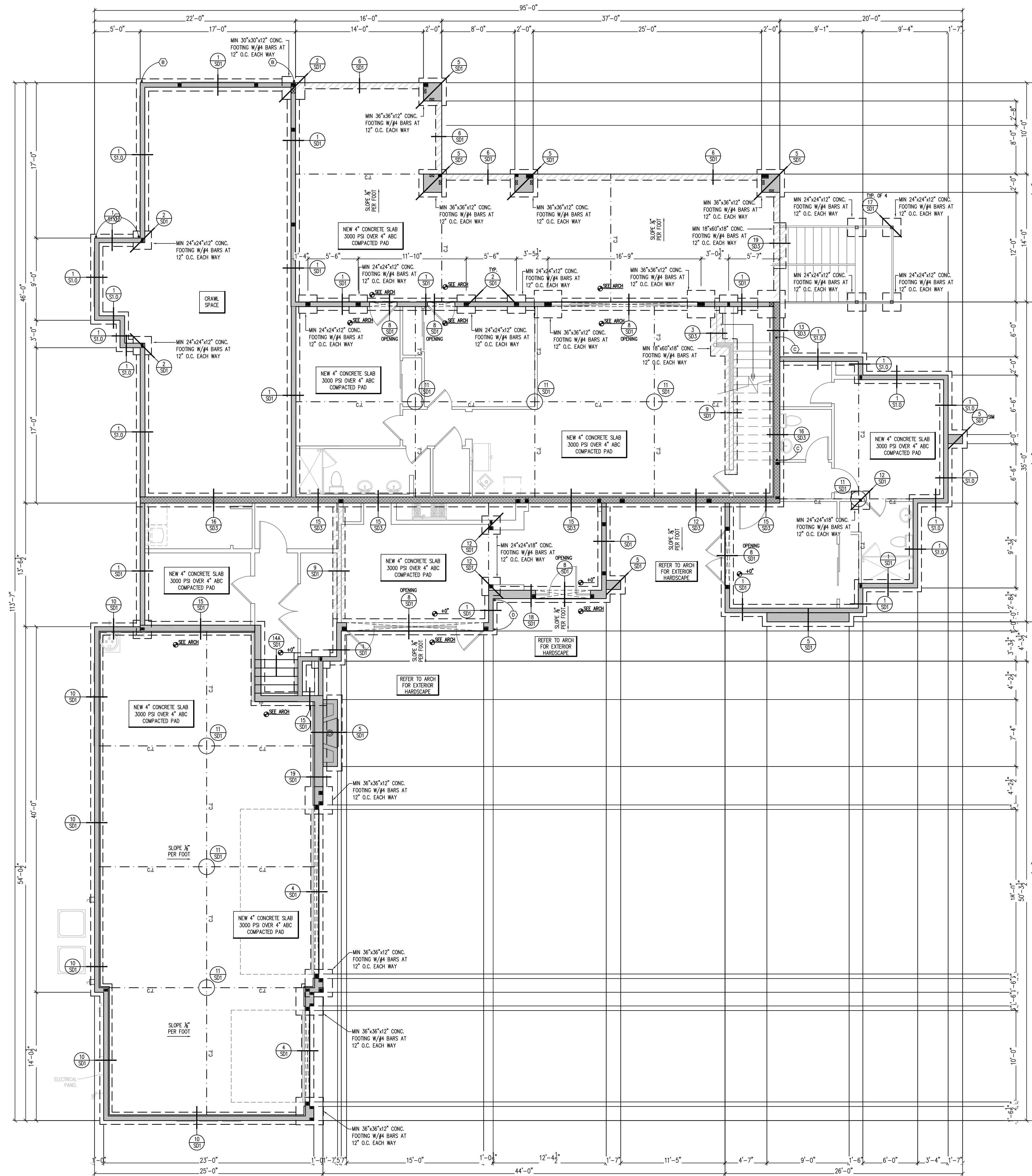
Survey Date: June 2007

Contact Arizona 811 at least two full working days before you begin excavation  
**ARIZONA 811**  
 Call 811 or click Arizona811.com

**Grading & Drainage Plan**  
 LOT 10, FOUNTAIN HILLS PLAT 604C,  
 BLOCK 2  
 FOUNTAIN HILLS, ARIZONA

PROJECT No. SSE-936-2021  
 SHEET: GD 01





RETAINING WALL AND FOOTING SCHEDULE						
RETAINING HT.	VERT. REINF.	VERT. REINF.	FOOTING SIZE	HEIGHT	HEIGHT	CONC. REIN.
H	V (8\"/>					
2'-0\"/>	N/A	6-#4	2'-4\"/>	8\"/>	N/A	3-#4
4'-0\"/>	N/A	6-#4	3'-0\"/>	12\"/>	N/A	3-#4
6'-0\"/>	N/A	6-#4	3'-0\"/>	12\"/>	N/A	4-#4
8'-0\"/>	N/A	6-#4	3'-0\"/>	12\"/>	N/A	5-#4
10'-0\"/>	N/A	6-#4	3'-0\"/>	12\"/>	N/A	5-#4

1 10'-0" MAX. CANT. RETAINING WALL  
SCALE: 3/16" = 1'-0"

FOUNDATION PLAN

SCALE: 3/16" = 1'-0"

- FOUNDATION NOTES**
- REFER TO STRUCTURAL NOTES PAGE FOR MATERIAL SPECIFICATIONS AND ADDITIONAL REQUIREMENTS NOT LISTED BELOW.
  - ALL CONSTRUCTION AND FOUNDATION WORK SHALL COMPLY WITH THE LATEST ADOPTED VERSION OF ALL APPLICABLE BUILDING CODES.
  - VERIFY ALL FOUNDATION DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
  - ALL WOOD PLATES THAT ANCHOR TO THE FOUNDATION SHALL BE PRESSURE TREATED OR FOUNDATION REDWOOD.
  - COORDINATE FOUNDATION PLAN WITH SHEARWALL PLAN FOR LOCATION OF HOLDOWNS AND SHEARWALL ANCHOR BOLT SPACING.
  - CONTRACTOR TO PLACE CONTROL JOINTS AS INDICATED ON THE FOUNDATION PLAN WHERE APPLICABLE.
  - SEE ARCHITECTURAL PLANS FOR BAY WINDOW OPTIONS.
  - CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR ANY EXTERIOR SLAB, SHEARWALL WORKS NOT SHOWN ON THESE DRAWINGS.
  - TYPICAL ANCHOR BOLT 1/2" DIA. LONG AT 12" O.C. UNLESS NOTED OTHERWISE ON PLAN. ALL WOOD JOIST PLATES SHALL HAVE MIN. 6" ANCHOR BOLTS PER PLATE. ANCHOR BOLTS SHALL BE LOCATED NOT LESS THAN 6" NOR MORE THAN 12" FROM END OF PLATE. AT PLATE SPICE, ANCHORS USED FOR HOLDOWNS SHALL NOT BE CONSIDERED IN PLACING ANCHOR BOLTS. REFER SHEAR WALL LAYOUT PLAN FOR THE SPACING OF ANCHOR BOLTS AT THE LOCATION OF SHEAR PANELS. SIMPSON MASA ANCHORS OR STRONG BOLTS TO 2" DIA. OR EXPANSION ANCHORS (MIN. 25" EMBED.) MAY BE USED I.L.O. 1/2" EMBEDDED A.B. PROVIDED THEY ARE INSTALLED AT THE SAME SPACING INDICATED IN THE NOTES, DETAILS OR SCHEDULES OF THIS PLAN.

HOLDOWN SCHEDULE		
MARK	TYPE	DESCRIPTION
B	STRONG	USE STRONG (WITH 283 166 SINKER NAILS)
C	WTS-5	USE WTS WITH (283 166 SINKER NAILS) NEW STRONG-BOLT 2 WITH 10" EMBED (283-3037)
D	STRONG	USE STRONG (WITH 283 166 SINKER NAILS)
I	METRO	USE METRO STRAP (WITH 70 166 SINKER NAILS)

**NOTES**

- ALL HOLDOWNS SHALL BE ATTACHED TO DOUBLE FULL HEIGHT STUD (MIN.)
- USE CARBON STEEL FOR STRONG-BOLT 2 AND SPECIAL INSPECTION ONLY WHEN SPECIFIED (283-3037)
- SEE DETAIL 12/201 FOR RETEINT HOLDOWN APPLICATION
- #4 REBAR REQUIRED FOR HOLDOWNS INSTALLED AT THESE SINKER LOCATIONS ONLY.
- DETAILS FOR MANUFACTURER'S RECOMMENDATIONS
- CONSULT WITH STRAP MANUFACTURER AT EACH END OF SECOND STORY SHEAR PANELS UNLESS SEE DETAILS 7/205 AND 8/203 FOR STRAPS

**KASNOFF RESIDENCE**  
15546 EAST TELEGRAPH DRIVE  
FOUNTAIN HILLS, ARIZONA 85268

Gilbert Structural LLC  
2036 North Gilbert Road  
Suite 2-428  
Mesa, Arizona 85203  
Office 480-398-8144  
Fax 480-398-8166

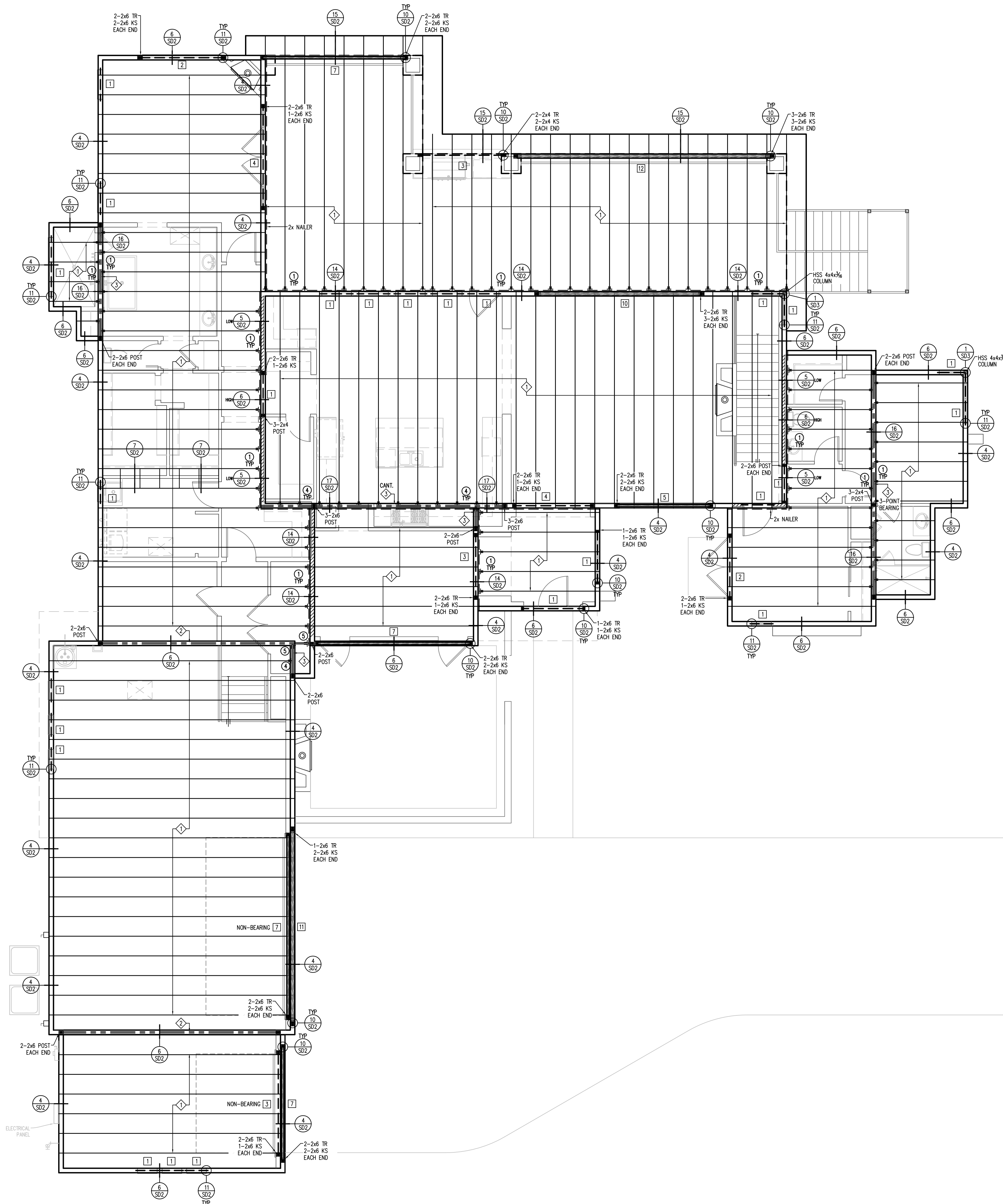


REVISIONS

1	
2	
3	
4	
5	

PROJECT NUMBER: \_\_\_\_\_  
DATE: 2.4.2022

SHEET TITLE:  
FOUNDATION LAYOUT  
SHEET NUMBER:  
**S1.0**



MAIN HOUSE FRAMING PLAN

SCALE: 3/16" = 1'-0"

LEGEND:

[Hatched Box]	BEARING WALL
[Dashed Box]	RANKED GRIPPLE
[Dotted Box]	WALL OVER
[Solid Box]	TRUSSES BELOW
[Box with 'X']	2-2x POST (U.N.O.)

HANGER SCHEDULE

1	LUS26
2	LTHMA
3	LTHJ
4	HUS26
5	HGUS26-2
6	THA218
7	LSU26

BEAM SCHEDULE

1	(2) 2x6 DFL #2 OR 4x6
2	(2) 2x8 DFL #2 OR 4x8
3	(2) 2x10 DFL #2 OR 4x10
4	(2) 2x12 DFL #2 OR 4x12
5	(1) 3x6 x 9" GLB
6	(1) 3x6 x 10 1/2" GLB
7	(1) 3x6 x 12" GLB
8	(1) 3x6 x 15" GLB
9	(1) 5x6 x 12" GLB
10	(1) 5x6 x 13 1/2" GLB
11	(1) 5x6 x 15" GLB
12	(1) 5x6 x 16 1/2" GLB
13	(1) 5x6 x 18" GLB

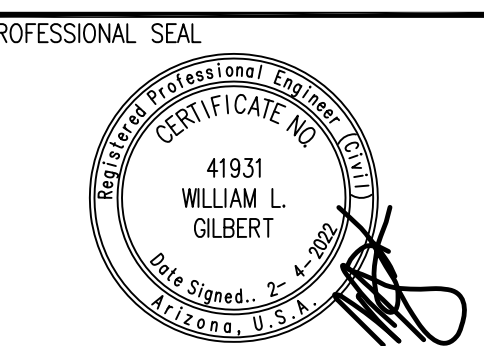
TRUSS SCHEDULE

1	TAPERED TOP CHORD FLAT ROOF TRUSSES AT 24" O.C.
2	TAPERED TOP CHORD FLAT ROOF GIRDER TRUSS
3	BOX GIRDER TRUSS
4	20" DEEP FLOOR TRUSSES AT 24" O.C.
5	16" DEEP WALK DECK TRUSSES AT 24" O.C.
6	16" DEEP WALK DECK TRUSSES AT 16" O.C.
7	20" DEEP RIM TRUSS
8	20" DEEP FLOOR GIRDER TRUSS

- FRAMING NOTES
- REFER TO STRUCTURAL NOTES PAGE FOR MATERIAL SPECIFICATIONS AND ADDITIONAL REQUIREMENTS NOT LISTED BELOW.
  - ALL FRAMING AND ANCHORS SHALL COMPLY WITH THE LATEST ADOPTED VERSION OF THE BUILDING CODE.
  - EXTERIOR WALLS TO BE 2x STUDS AT 16" O.C., TYPICAL, U.N.O.
  - INTERIOR BEARING WALLS TO BE 2x STUDS AT 16" O.C., U.N.O.
  - INTERIOR PARTITION WALLS TO BE 2x STUDS AT 24" O.C., TYPICAL, U.N.O.
  - ALL POSTS TO BE 2-2x THE WALL THICKNESS, U.N.O.
  - SINGLE TRIMMER IS TO BE PROVIDED UNDER THE ENDS OF ALL BEAMS AND HEADERS, U.N.O.
  - ALL JOISTS SHALL BEAR A MINIMUM OF 2" ON ALL BEAMS OR WALL PLATES. PROVIDE H2-ST TR AT EACH TRUSS ALONG INTERIOR BEARING WALLS.
  - METAL CONNECTORS, HANGERS AND TIES TO BE "SIMPSON STRONG-TIE" OR APPROVED EQUAL.
  - ALL ROOF TRUSSES SHALL BE AT 24" O.C. U.N.O.
  - ALL TRUSSES AND STRUCTURAL MEMBERS SHALL BE BRACED, BLOCKED AND SUPPORTED AT ALL TIMES DURING CONSTRUCTION.
  - TRUSS MANUFACTURER TO COORDINATE WITH MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT WEIGHT AND LOCATION OF MECHANICAL EQUIPMENT.
  - SEE MECHANICAL AND ARCHITECTURAL PLANS FOR LOCATIONS OF SOFFITS AND LOWERED SOFFITS.
  - PROVIDE BLOCK-OUTS IN ROOF FOR FIREPLACE FLUES, PLUMBING, ETC. VERIFY LOCATIONS OF FIREPLACE FLUES PRIOR TO CONSTRUCTION.
  - PROVIDE CROSS BLOCKING AND 1/2" PLYWOOD BACKING AT ALL CEILING FAN LOCATIONS.
  - REFER TO ARCHITECTURAL FLOOR AND/OR ROOF PLANS FOR ATTIC ACCESS LOCATIONS AND CODE REQUIREMENTS.
  - PROVIDE 2x BLOCKING AT ALL HIPS AND RIDGES FOR PANEL EDGE NAILING REFER TO ENGINEERING SPECIFICATIONS.
  - PROVIDE SMP, STCT CLIP AT ALL TRUSSES TO EXTERIOR NON-BEARING WALLS.
  - SIMPSON H2-ST OR RSP4 NOT REQUIRED AT TOP OR BOTTOM PLATE CONNECTIONS IF OSB IS INSTALLED AT THAT LOCATION.
  - 16-GAUGE 1 1/2" LONG (2" CROWN) STAPLES MAY BE USED IN LIEU OF 8d NAILS FOR ROOF SHEATHING CONNECTIONS. SAME SPACING APPLIES TO BOTH 8d NAILS AND 16-GAUGE STAPLES.
  - GIRDER TRUSS POST REQUIREMENTS:
    - SINGLE PLY GIRDER TRUSS - USE 1-2x (WALL THICKNESS) U.N.O.
    - TWO PLY GIRDER TRUSS - USE 2-2x (WALL THICKNESS) U.N.O.
    - THREE PLY GIRDER TRUSS - USE 3-2x (WALL THICKNESS) U.N.O.

**KASNOFF RESIDENCE**  
 15546 EAST TELEGRAPH DRIVE  
 FOUNTAIN HILLS, ARIZONA 85268

Gilbert Structural LLC  
 2036 North Gilbert Road  
 Suite 2-428  
 Mesa, Arizona 85203  
 Office 480-398-8144  
 Fax 480-398-8166



REVISIONS

1	
2	
3	
4	
5	

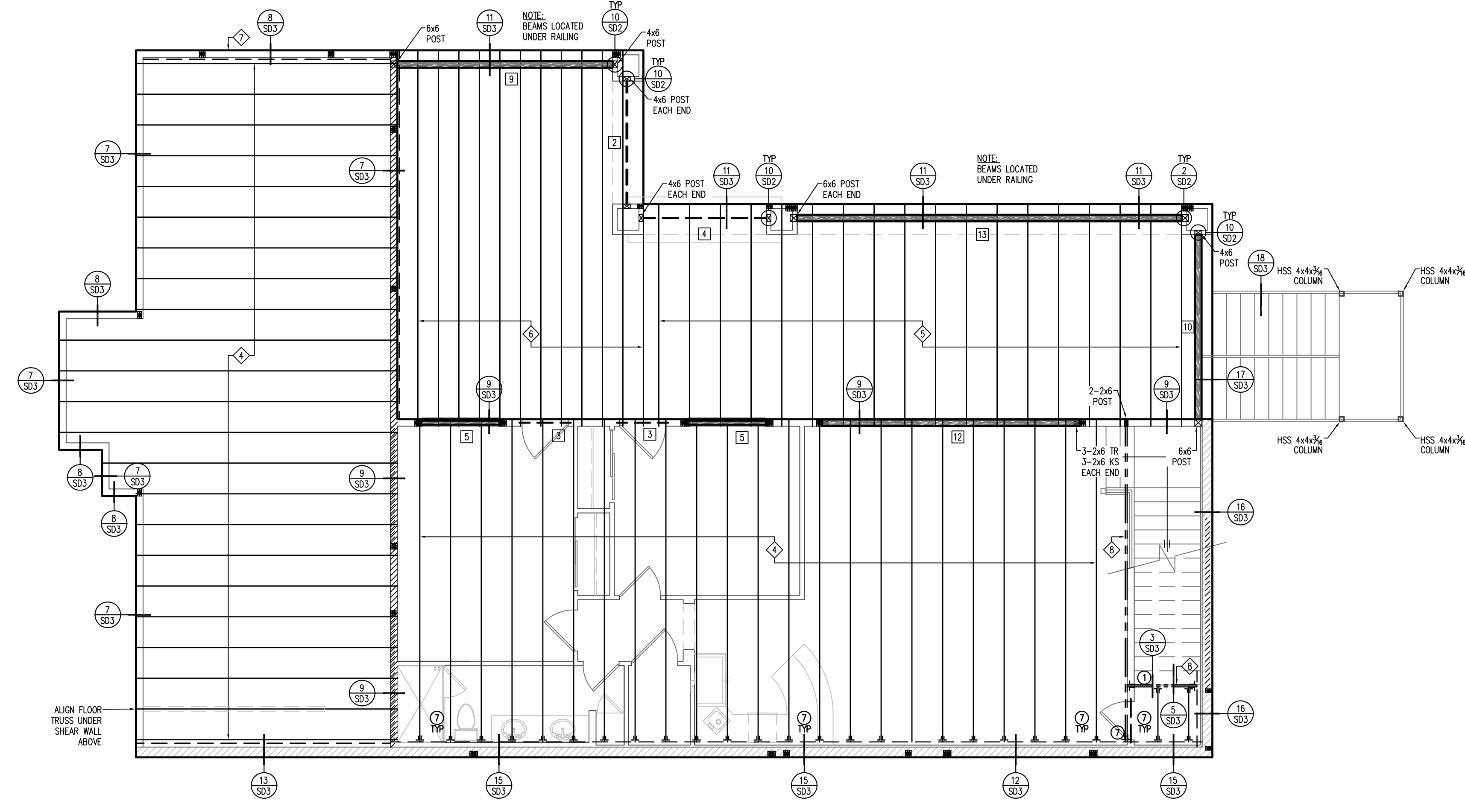
PROJECT NUMBER:  
 DATE: 2.4.2022

SHEET TITLE:

FRAMING LAYOUT  
 SHEET NUMBER:

**S2.0**

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND THE PROPERTY OF GILBERT STRUCTURAL, LLC AND SHALL REMAIN THEIR PROPERTY. THE USE OF THIS DRAWING SHALL BE RESTRICTED TO THE ORIGINAL SET FOR WHICH IT WAS PREPARED AND REVISIONS SHALL BE INDICATED BY ANY METHOD OR MEANS OR THAT IS PROHIBITED WITHOUT THEIR WRITTEN CONSENT.



**BASEMENT  
FRAMING PLAN**

SCALE: 3/16" = 1'-0"

LEGEND:

[Hatched Box]	BEARING WALL
[Dashed Box]	RANED GIRDFLE
[Dotted Box]	WALL OVER TRUSSES BELOW
[Box with 'X']	2-2x POST (U.N.O.)

HANGER SCHEDULE

①	LUS26
②	LTHMA
③	LTHJ
④	HUS26
⑤	HGUS26-2
⑥	THA218
⑦	LSU26

BEAM SCHEDULE

[1]	(2) 2x6 DFL #2 OR 4x6
[2]	(2) 2x8 DFL #2 OR 4x8
[3]	(2) 2x10 DFL #2 OR 4x10
[4]	(2) 2x12 DFL #2 OR 4x12
[5]	(1) 3x6 x 9" GLB
[6]	(1) 3x6 x 10 1/2" GLB
[7]	(1) 3x6 x 12" GLB
[8]	(1) 3x6 x 15" GLB
[9]	(1) 3x6 x 12" GLB
[10]	(1) 3x6 x 13 1/2" GLB
[11]	(1) 3x6 x 15" GLB
[12]	(1) 3x6 x 16 1/2" GLB
[13]	(1) 3x6 x 18" GLB

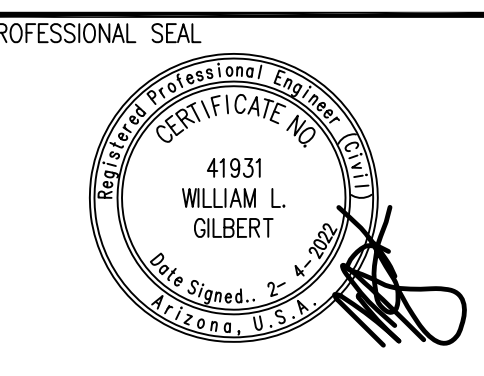
TRUSS SCHEDULE

①	TAPERED TOP CHORD FLAT ROOF TRUSSES AT 24" O.C.
②	TAPERED TOP CHORD FLAT ROOF GIRDER TRUSS
③	BOX GIRDER TRUSS
④	20" DEEP FLOOR TRUSSES AT 24" O.C.
⑤	16" DEEP WALK DECK TRUSSES AT 24" O.C.
⑥	16" DEEP WALK DECK TRUSSES AT 16" O.C.
⑦	20" DEEP RIM TRUSS
⑧	20" DEEP FLOOR GIRDER TRUSS

- FRAMING NOTES**
- REFER TO STRUCTURAL NOTES PAGE FOR MATERIAL SPECIFICATIONS AND ADDITIONAL REQUIREMENTS NOT LISTED BELOW.
  - ALL FRAMING AND ANCHORS SHALL COMPLY WITH THE LATEST ADOPTED VERSION OF THE BUILDING CODE.
  - EXTERIOR WALLS TO BE 2x STUDS AT 16" O.C., TYPICAL, U.N.O.
  - INTERIOR BEARING WALLS TO BE 2x STUDS AT 16" O.C., U.N.O.
  - INTERIOR PARTITION WALLS TO BE 2x STUDS AT 24" O.C., TYPICAL, U.N.O.
  - ALL POSTS TO BE 2-2x THE WALL THICKNESS, U.N.O.
  - SINGLE TRIMMER IS TO BE PROVIDED UNDER THE ENDS OF ALL BEAMS AND HEADERS, U.N.O.
  - ALL JOISTS SHALL BEAR A MINIMUM OF 2" ON ALL BEAMS OR WALL PLATES. PROVIDE H2-ST BE AT EACH TRUSS ALONG INTERIOR BEARING WALLS.
  - METAL CONNECTORS, HANGERS AND TIES TO BE "SIMPSON STRONG-TIE" OR APPROVED EQUAL.
  - ALL ROOF TRUSSES SHALL BE AT 24" O.C. U.N.O.
  - ALL TRUSSES AND STRUCTURAL MEMBERS SHALL BE BRACED, BLOCKED AND SUPPORTED AT ALL TIMES DURING CONSTRUCTION.
  - TRUSS MANUFACTURER TO COORDINATE WITH MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT WEIGHT AND LOCATION OF MECHANICAL EQUIPMENT.
  - SEE MECHANICAL AND ARCHITECTURAL PLANS FOR LOCATIONS OF SOFFITS AND LOWERED SOFFITS.
  - PROVIDE BLOCK-OUTS IN ROOF FOR FIREPLACE FLUES, PLUMBING, ETC. VERIFY LOCATIONS OF FIREPLACE FLUES PRIOR TO CONSTRUCTION.
  - PROVIDE CROSS BLOCKING AND 1/2" PLYWOOD BACKING AT ALL CEILING FAN LOCATIONS.
  - REFER TO ARCHITECTURAL FLOOR AND/OR ROOF PLANS FOR ATTIC ACCESS LOCATIONS AND CODE REQUIREMENTS.
  - PROVIDE 2x BLOCKING AT ALL HIPS AND RIDGES FOR PANEL EDGE NAILING REFER TO ENGINEERING SPECIFICATIONS.
  - PROVIDE SMP, STCT CLIP AT ALL TRUSSES TO EXTERIOR NON-BEARING WALLS.
  - SIMPSON H2-ST OR RSP4 NOT REQUIRED AT TOP OR BOTTOM PLATE CONNECTIONS IF OSB IS INSTALLED AT THAT LOCATION.
  - 16-GAUGE 1 1/2" LONG (2" CROWN) STAPLES MAY BE USED IN LIEU OF 8d NAILS FOR ROOF SHEATHING CONNECTIONS. SAME SPACING APPLIES TO BOTH 8d NAILS AND 16-GAUGE STAPLES.
  - GRIDER TRUSS POST REQUIREMENTS:
    - SINGLE PLY GRIDER TRUSS - USE 1-2x (WALL THICKNESS) U.N.O.
    - TWO PLY GRIDER TRUSS - USE 2-2x (WALL THICKNESS) U.N.O.
    - THREE PLY GRIDER TRUSS - USE 3-2x (WALL THICKNESS) U.N.O.

**KASNOFF RESIDENCE**  
15546 EAST TELEGRAPH DRIVE  
FOUNTAIN HILLS, ARIZONA 85268

Gilbert Structural LLC  
2036 North Gilbert Road  
Suite 2-428  
Mesa, Arizona 85203  
Office 480-398-8144  
Fax 480-398-8166

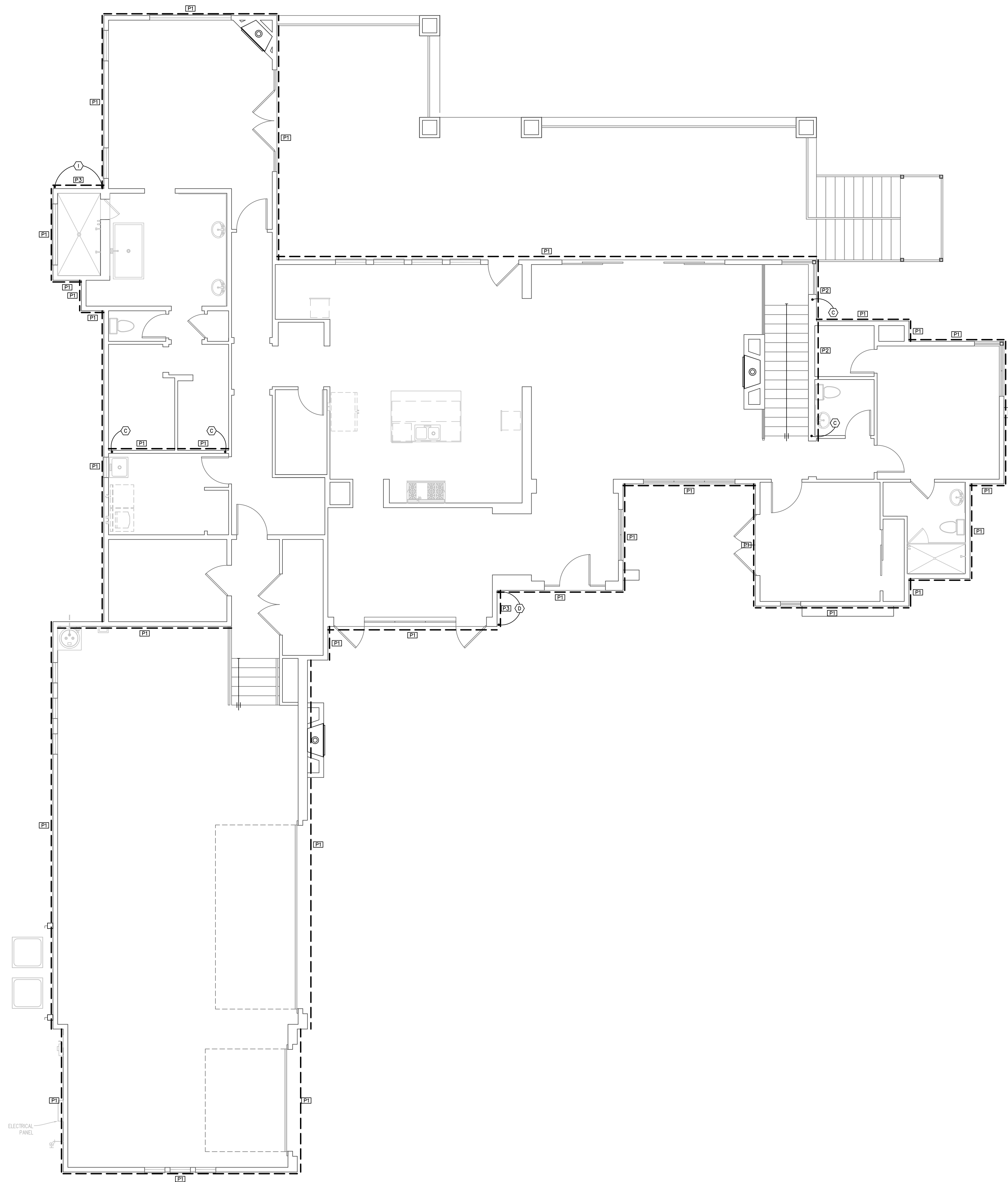


REVISIONS

1	
2	
3	
4	
5	

PROJECT NUMBER:  
DATE: 2.4.2022

SHEET TITLE:  
**FRAMING LAYOUT**  
SHEET NUMBER:  
**S2.1**



MAIN HOUSE  
SHEARWALL PLAN

SCALE: 3/16" = 1'-0"

HOLDOWN SCHEDULE		
MARK	TYPE	DESCRIPTION
B	STH010	USE STH010 [WITH (28) 16d SINKER NAILS]
C	HTT-5	USE HTT5 [WITH (28) 10d SINKER NAILS] 3/8" STRONG-BOLT 2 WITH 5-1/2" EMBED (ESR #3037)
D	STH014	USE STH014 [WITH (38) 16d SINKER NAILS]
I	MSTC7B	USE MSTC7B STRAP [WITH (76) 16d SINKER NAILS]

NOTES:  
 ALL HOLDOWNS SHALL BE ATTACHED TO DOUBLE FULL HEIGHT STUD (MIN.)  
 \* USE CARBON STEEL FOR STRONG-BOLT 2 AND SPECIAL INSPECTION REQ. ONLY WHEN SPECIFIED (ESR-3037)  
 \*\* SEE DETAIL 12/501 FOR RETROFIT HOLDOWN APPLICATION  
 \*\*\* #4 REBAR REQUIRED FOR HOLDOWNS INSTALLED AT RAISED CURB LOCATIONS ONLY.  
 \*\*\*\* INSTALL PER MANUFACTURER'S RECOMMENDATIONS.  
 \*\*\*\*\* STANDARD STORY STRIPS REQUIRED AT EACH END OF SECOND STORY SHEAR PANELS U.N.O.  
 SEE DETAILS 7/503 AND 8/503 FOR STRAPS.

SHEATHING SCHEDULE		SILL PLATE NAIL SPACING - SHEARWALL AT UPPER FLOORS (16d NAILS)
MARK	DESCRIPTION	
P1	3/4" PLYWOOD/OSB w/8d AT 6" O.C. EDGES /12" O.C. FIELD (BLOCKED) (EXTERIOR): 3/4" X 10" ANCHOR BOLTS AT 32" O.C. (INTERIOR): 3/4" SMP, STRONG-BOLT 2 A.B. AT 32" O.C. (EMBED 2 1/2" MIN. ESR-3037)	(2) ROWS AT 4"
P2	3/4" PLYWOOD/OSB w/8d AT 4" O.C. EDGES /12" O.C. FIELD (BLOCKED) (EXTERIOR): 3/4" X 10" ANCHOR BOLTS AT 24" O.C. (INTERIOR): 3/4" SMP, STRONG-BOLT 2 A.B. AT 24" O.C. (EMBED 2 1/2" MIN. ESR-3037)	(2) ROWS AT 3"
P3	3/4" PLYWOOD/OSB w/8d AT 3" O.C. EDGES /12" O.C. FIELD (BLOCKED) (EXTERIOR): 3/4" X 10" ANCHOR BOLTS AT 16" O.C. (INTERIOR): 3/4" SMP, STRONG-BOLT 2 A.B. AT 16" O.C. (EMBED 2 1/2" MIN. ESR-3037)	(2) ROWS AT 2 1/2"

ALL SHEARWALLS TO HAVE DOUBLE TOP PLATES AND 2x STUDS AT 16" O.C. - U.N.O.  
 \* FRAMING AT ADJOINING PANEL EDGES SHALL BE 3" NOMINAL OR WIDER, AND NAILS SHALL BE STAGGERED WHERE NAILS ARE SPACED LESS THAN 3" O.C.  
 \*\* USE CARBON STEEL FOR STRONG-BOLT 2 AND SPECIAL INSPECTION REQ. ONLY WHEN SPECIFIED. (ESR-3037)  
 \*\*\* AS AN ALTERNATE TO MET-SET ANCHOR BOLTS AND STRONG-BOLT 2 ANCHORS, SIMPSON ITEN-HO ANCHOR BOLTS MAY BE USED PROVIDED THE SAME SPACING IS ADHERED TO AS STATED IN THE SCHEDULE ABOVE. THE ANCHORS SHALL BE 3/4" X 5" WITH A MINIMUM EMBEDMENT OF 3/2" (ESR-2713).  
 \*\*\*\* AS AN ALTERNATE TO 5d COOLER NAILS, #6 1 1/2" TYPE "W" DRYWALL SCREWS MAY BE USED. AS AN ALTERNATE TO 6d COOLER NAILS, #6 1 1/2" TYPE "W" DRYWALL SCREWS MAY BE USED. SAME SPACING APPLIES PER SCHEDULE.

# KASNOFF RESIDENCE

15546 EAST TELEGRAPH DRIVE  
FOUNTAIN HILLS, ARIZONA 85268

Gilbert Structural LLC  
2036 North Gilbert Road  
Suite 2-428  
Mesa, Arizona 85203  
Office 480-398-8144  
Fax 480-398-8166

PROFESSIONAL SEAL



REVISIONS

- 1
- 2
- 3
- 4
- 5

PROJECT NUMBER:

DATE: 2.4.2022

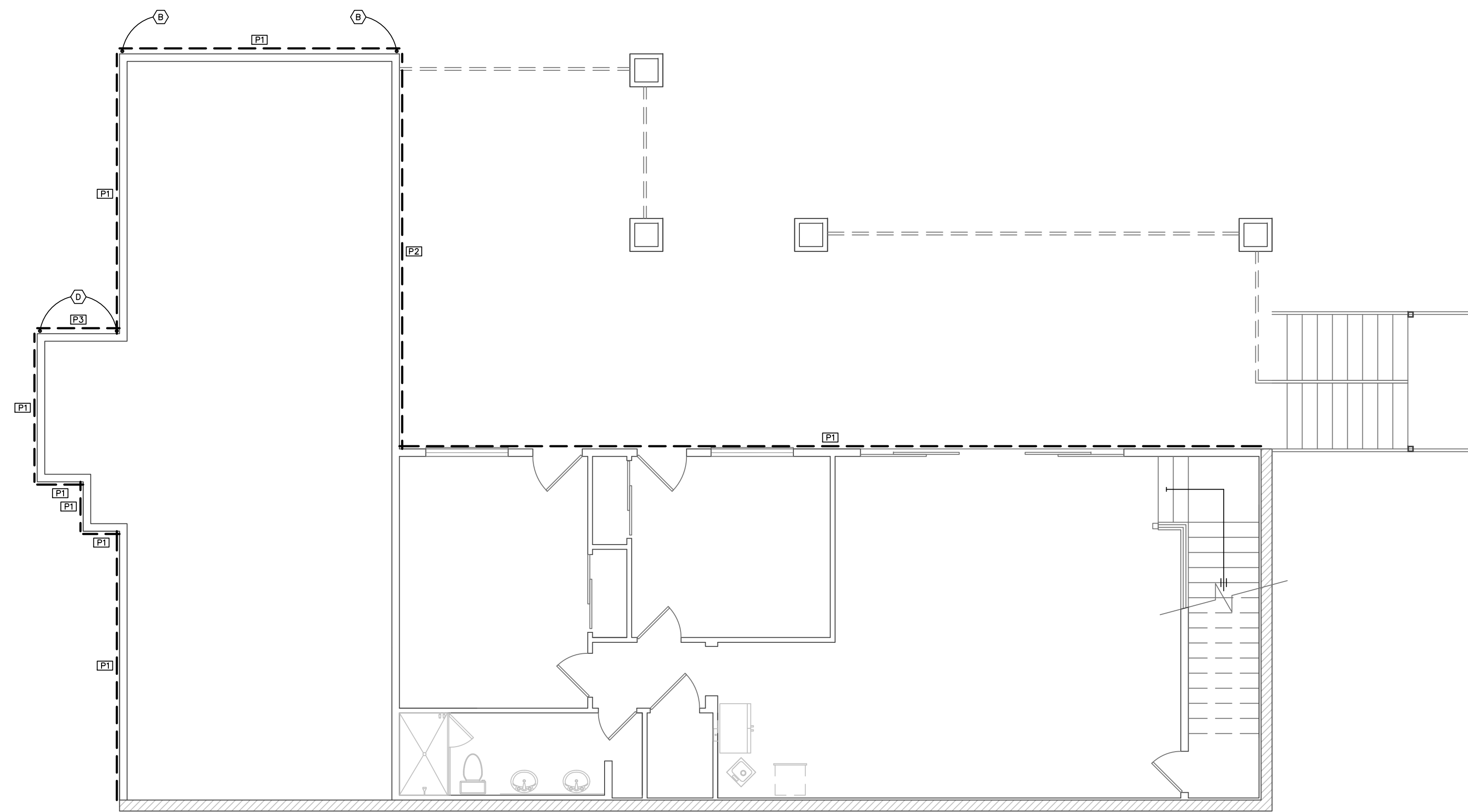
SHEET TITLE:

SHEARWALL LAYOUT

SHEET NUMBER:

# S3.0

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND THE PROPERTY OF GILBERT STRUCTURAL, LLC AND SHALL REMAIN THEIR PROPERTY. THE USE OF THIS DRAWING SHALL BE RESTRICTED TO THE ORIGINAL SET FOR WHICH IT WAS PREPARED AND REVISIONS MADE AND FURTHER REVISIONS SHALL BE INDICATED BY ANY METHOD IN WRITING OR THAT IS PROHIBITED WITHOUT THEIR WRITTEN CONSENT.



**BASEMENT  
SHEARWALL PLAN**

SCALE: 3/16" = 1'-0"

HOLDDOWN SCHEDULE		
MARK	TYPE	DESCRIPTION
B	STH010	USE STH010 [WITH (28) 16d SINKER NAILS]
C	HTT-5	USE HTT5 [WITH (28) 10d SINKER NAILS] 3/8" STRONG-BOLT 2 WITH 5-1/2" EMBED (ESR-3037)
D	STH014	USE STH014 [WITH (38) 16d SINKER NAILS]
I	MSTC78	USE MSTC78 STRAP [WITH (76) 16d SINKER NAILS]

NOTES:  
 ALL HOLDOWNS SHALL BE ATTACHED TO DOUBLE FULL HEIGHT STUD (MIN.)  
 \* USE CARBON STEEL FOR STRONG-BOLT 2 AND SPECIAL INSPECTION REQ. ONLY WHEN SPECIFIED (ESR-3037)  
 \*\* SEE DETAIL 12/501 FOR RETROFITTED HOLDDOWN APPLICATION  
 \*\*\* #4 REBAR REQUIRED FOR HOLDOWNS INSTALLED AT RAISED CURB LOCATIONS ONLY.  
 \*\*\*\* INSTALL PER MANUFACTURER'S RECOMMENDATIONS.  
 \*\*\*\*\* STANDARD STORY STRIPS REQUIRED AT EACH END OF SECOND STORY SHEAR PANELS U.N.O.  
 SEE DETAILS 7/503 AND 8/503 FOR STRAPS.

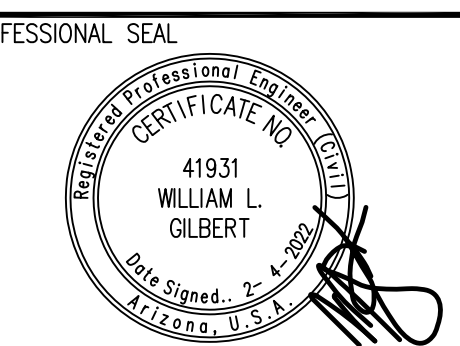
SHEATHING SCHEDULE		SILL PLATE NAIL SPACING - SHEARWALL AT UPPER FLOORS (16d NAILS)
MARK	DESCRIPTION	
P1	3/4" PLYWOOD/OSB w/8d AT 6" O.C. EDGES 1/2" O.C. FIELD (BLOCKED) (EXTERIOR): 3/4" X 10" ANCHOR BOLTS AT 32" O.C. (INTERIOR): 3/4" SMP, STRONG-BOLT 2 A.B. AT 32" O.C. (EMBED 2 1/2" MIN. ESR-3037)	(2) ROWS AT 4"
P2	3/4" PLYWOOD/OSB w/8d AT 4" O.C. EDGES 1/2" O.C. FIELD (BLOCKED) (EXTERIOR): 3/4" X 10" ANCHOR BOLTS AT 24" O.C. (INTERIOR): 3/4" SMP, STRONG-BOLT 2 A.B. AT 24" O.C. (EMBED 2 1/2" MIN. ESR-3037)	(2) ROWS AT 3"
P3	3/4" PLYWOOD/OSB w/8d AT 3" O.C. EDGES 1/2" O.C. FIELD (BLOCKED) (EXTERIOR): 3/4" X 10" ANCHOR BOLTS AT 16" O.C. (INTERIOR): 3/4" SMP, STRONG-BOLT 2 A.B. AT 16" O.C. (EMBED 2 1/2" MIN. ESR-3037)	(2) ROWS AT 2 1/2"

ALL SHEARWALLS TO HAVE DOUBLE TOP PLATES AND 2x STUDS AT 16" O.C. - U.N.O.  
 \* FRAMING AT ADJOINING PANEL EDGES SHALL BE 3" NOMINAL OR WIDER, AND NAILS SHALL BE STAGGERED WHERE NAILS ARE SPACED LESS THAN 3" O.C.  
 \*\* USE CARBON STEEL FOR STRONG-BOLT 2 AND SPECIAL INSPECTION REQ. ONLY WHEN SPECIFIED. (ESR-3037)  
 \*\*\* AS AN ALTERNATE TO MET-SET ANCHOR BOLTS AND STRONG-BOLT 2 ANCHORS, SIMPSON ITEN-HO ANCHOR BOLTS MAY BE USED PROVIDED THE SAME SPACING IS ADHERED TO AS STATED IN THE SCHEDULE ABOVE. THE ANCHORS SHALL BE 3/4" X 5" WITH A MINIMUM EMBEDMENT OF 35" (ESR-2713).  
 \*\*\*\* AS AN ALTERNATE TO 5d COOLER NAILS, #6 1 1/2" TYPE "W" DRYWALL SCREWS MAY BE USED. AS AN ALTERNATE TO 6d COOLER NAILS, #6 1 1/2" TYPE "W" DRYWALL SCREWS MAY BE USED. SAME SPACING APPLIES PER SCHEDULE.

**KASNOFF RESIDENCE**

15546 EAST TELEGRAPH DRIVE  
FOUNTAIN HILLS, ARIZONA 85268

Gilbert Structural LLC  
2036 North Gilbert Road  
Suite 2-428  
Mesa, Arizona 85203  
Office 480-398-8144  
Fax 480-398-8166



REVISIONS:

1	
2	
3	
4	
5	

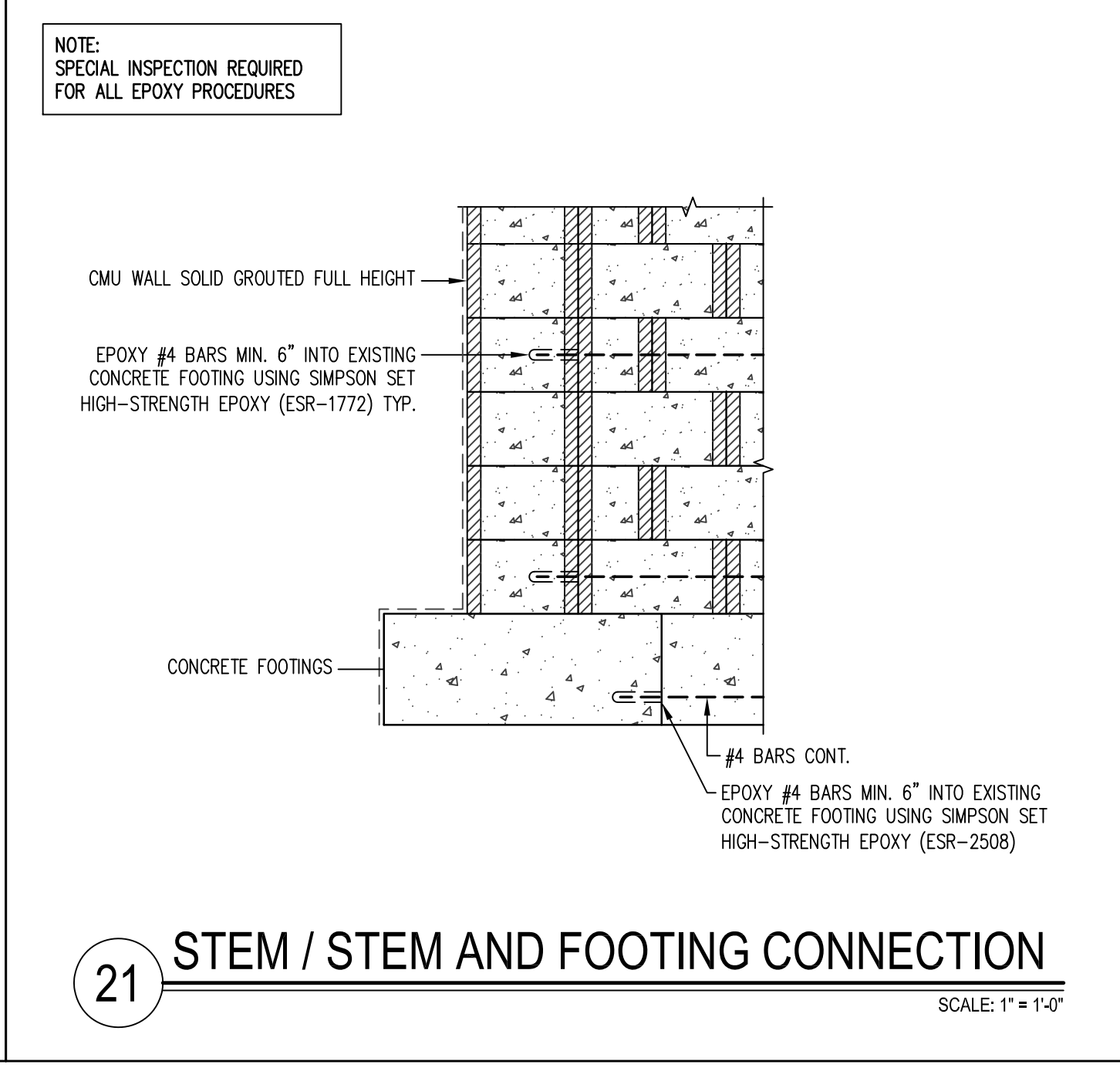
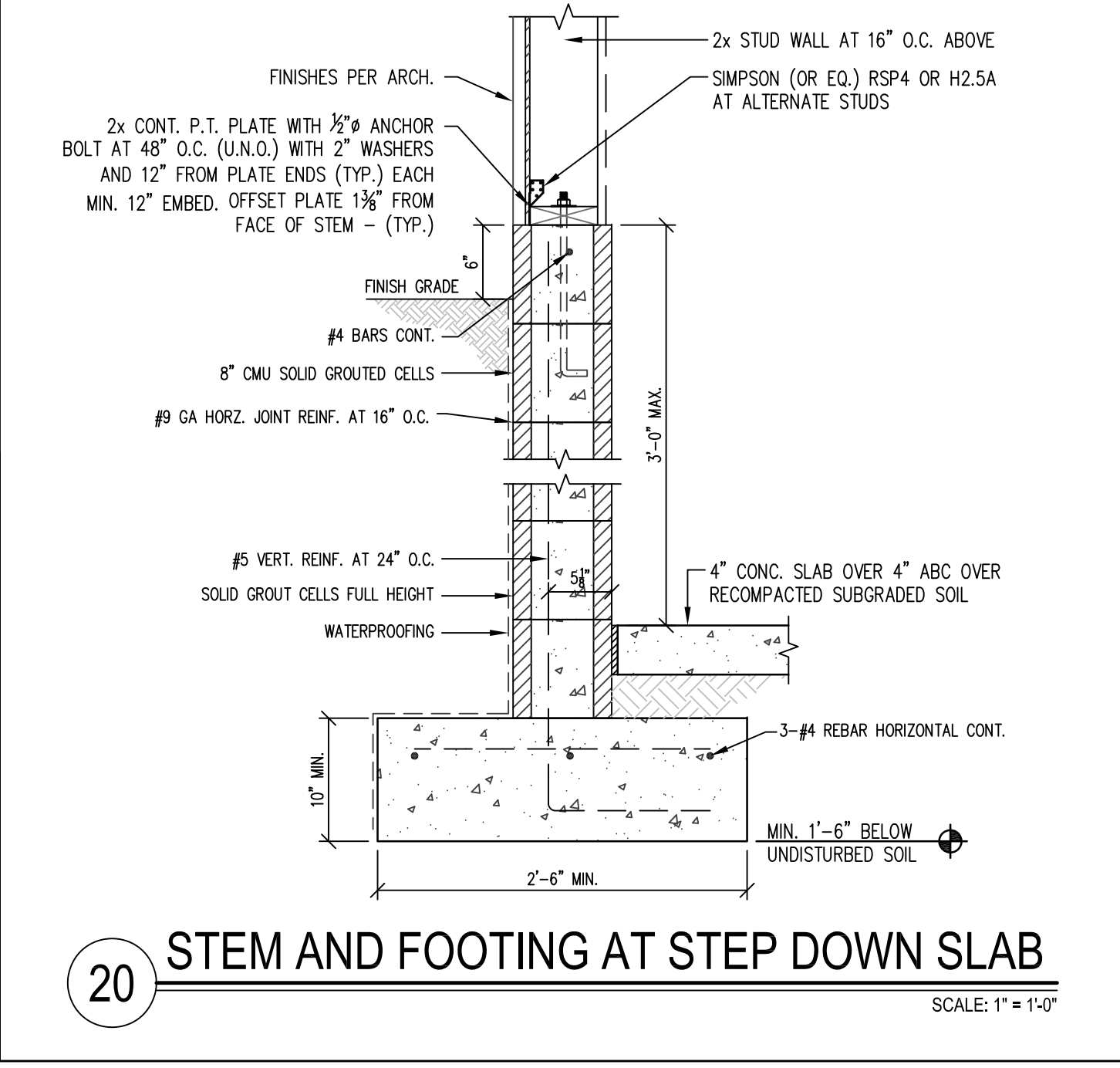
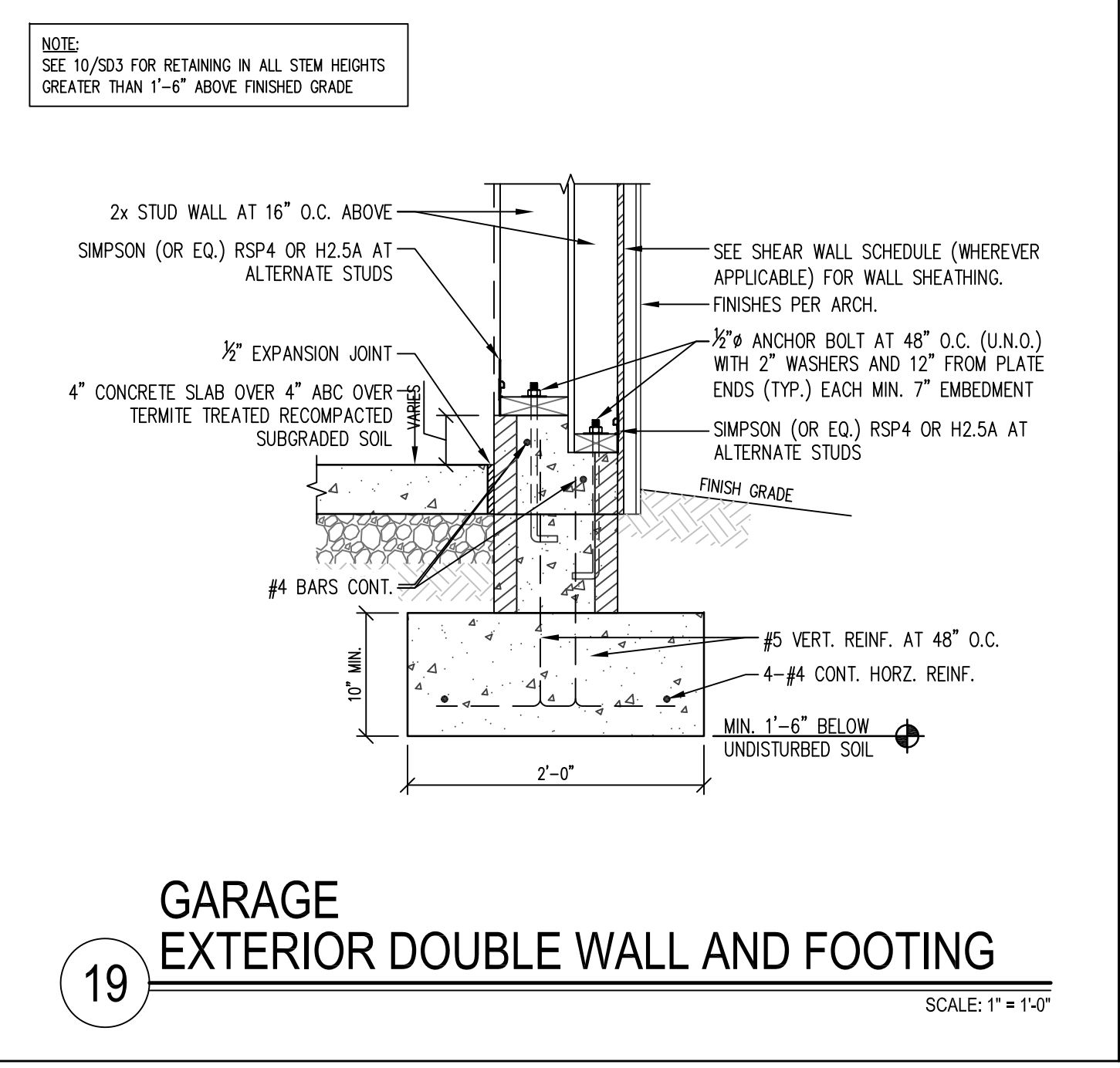
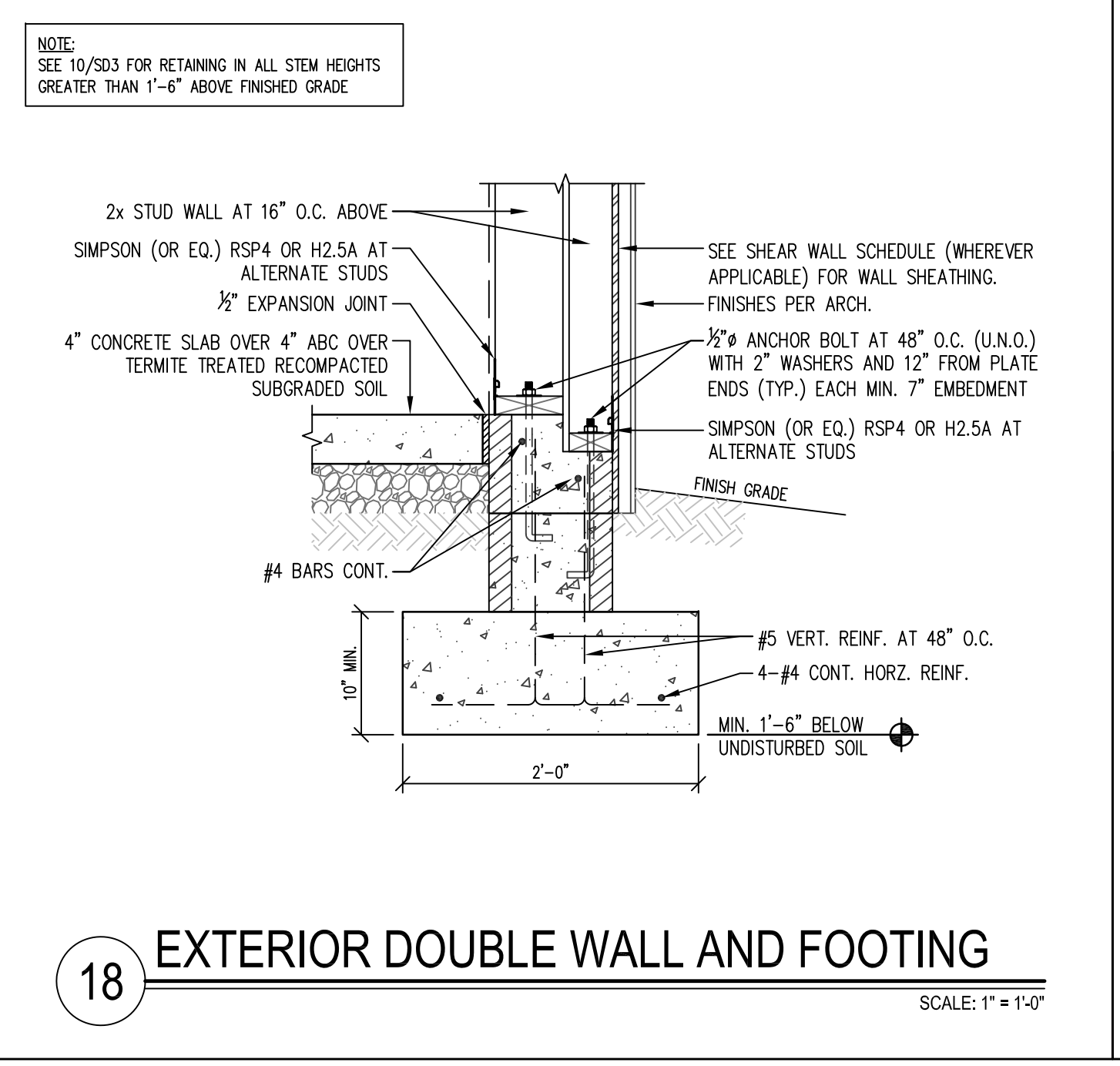
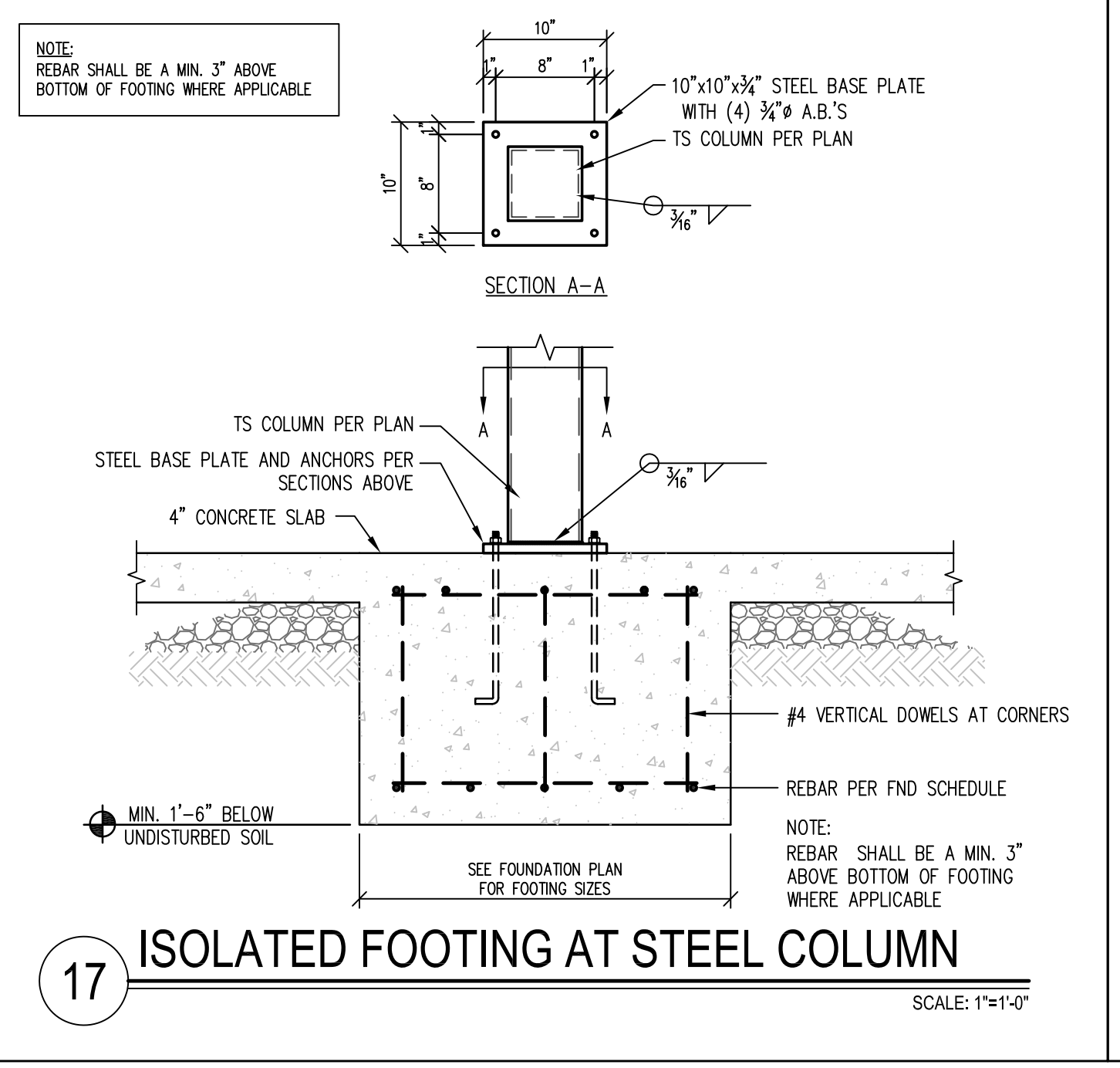
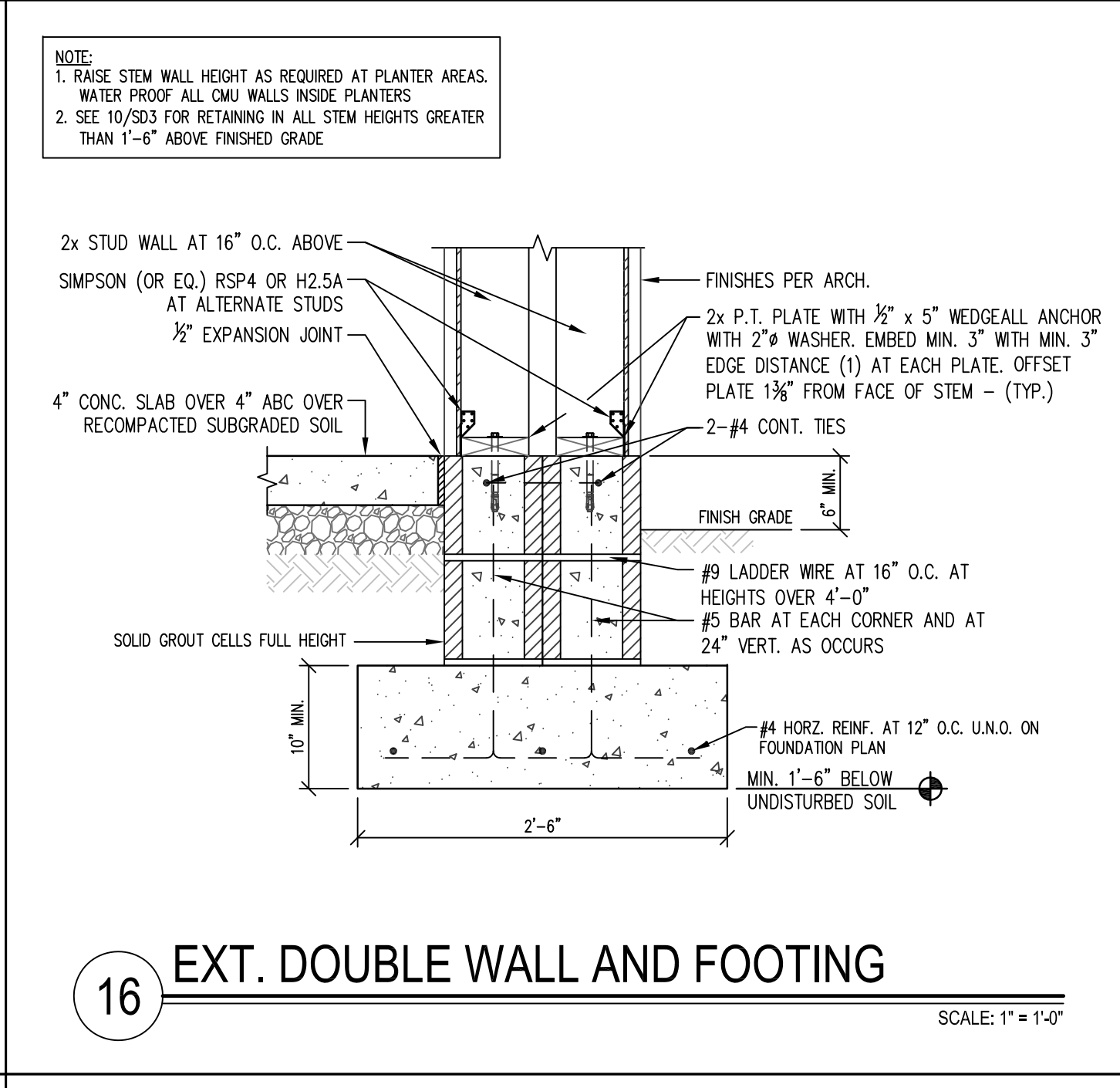
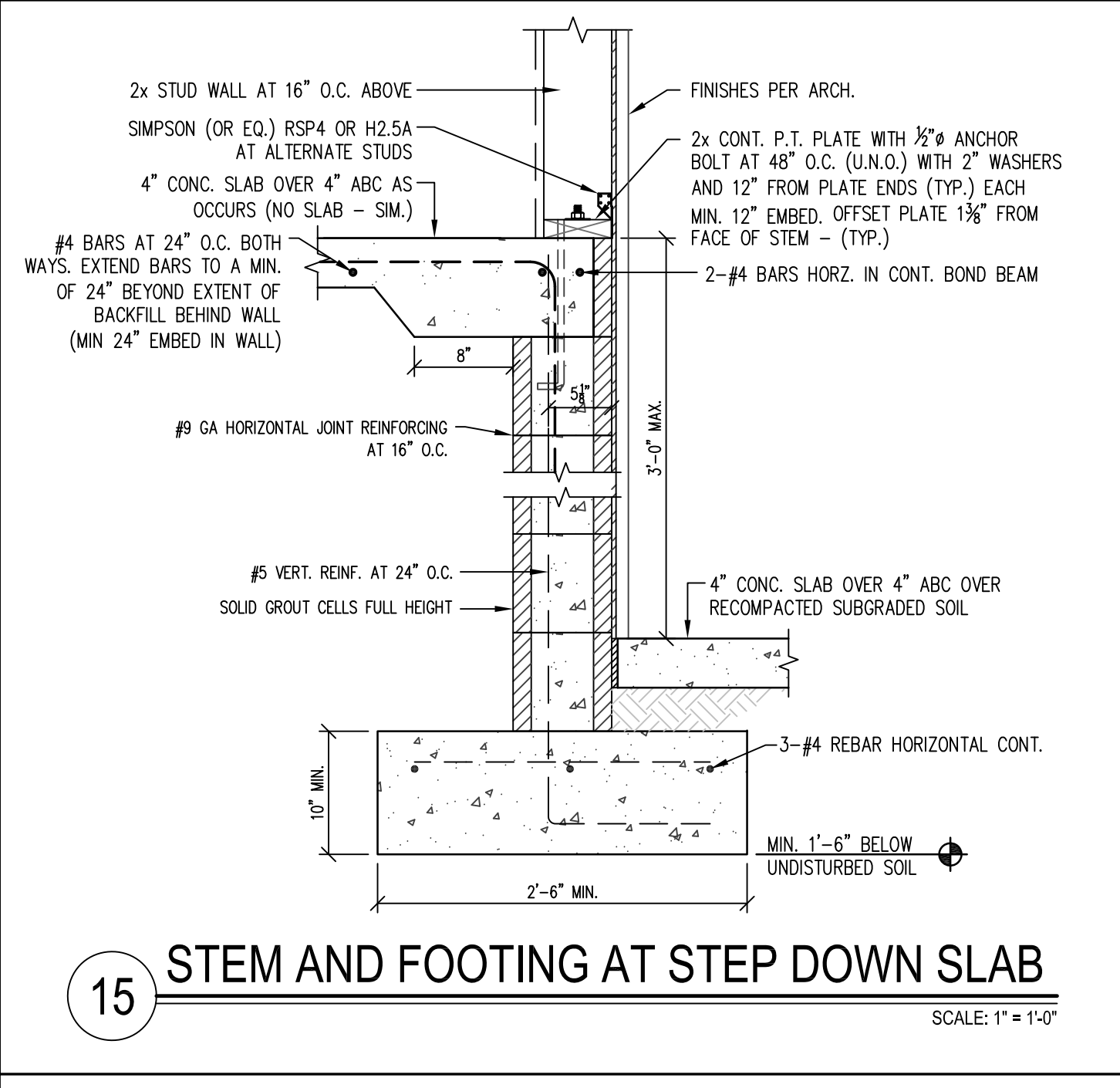
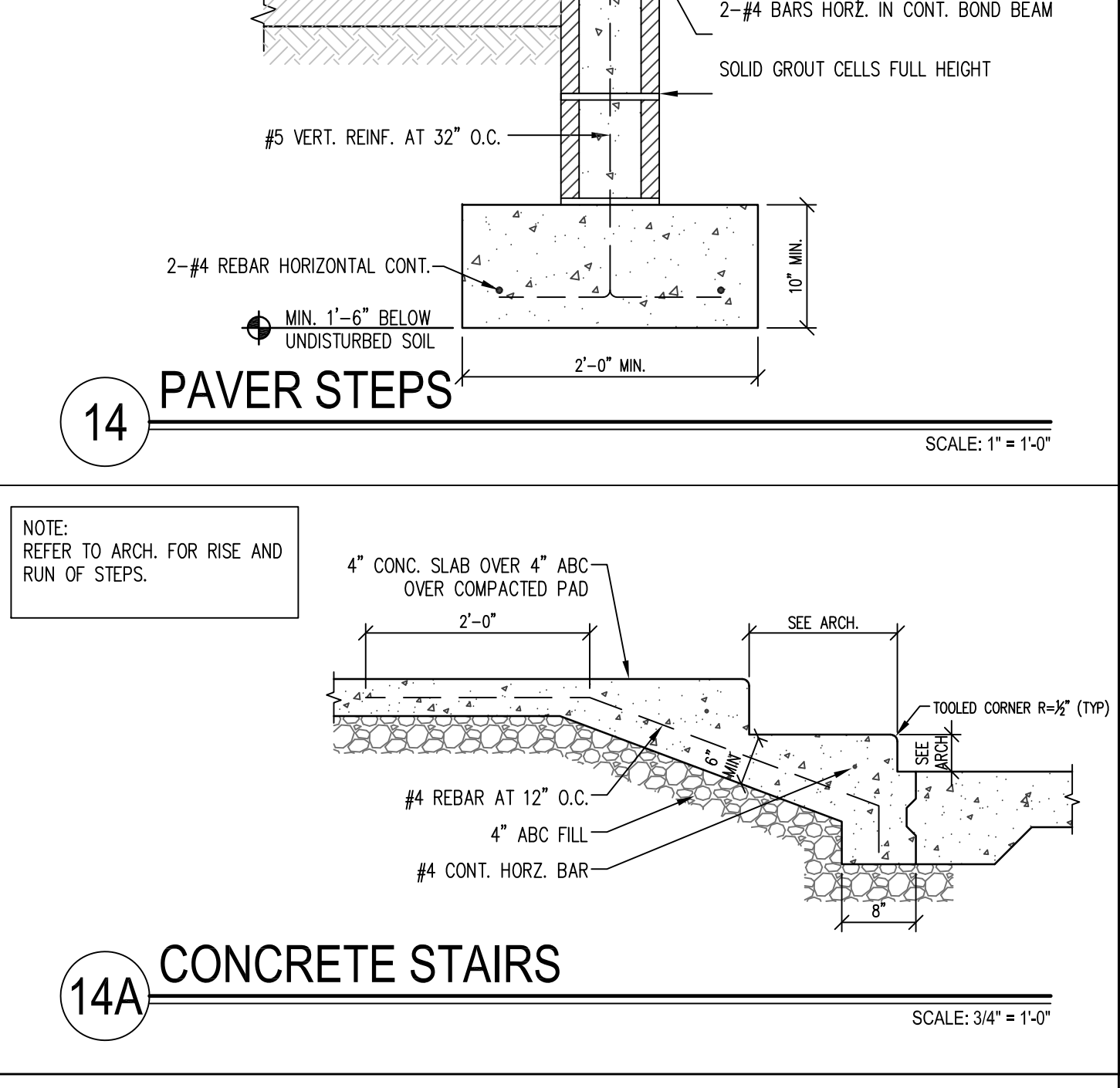
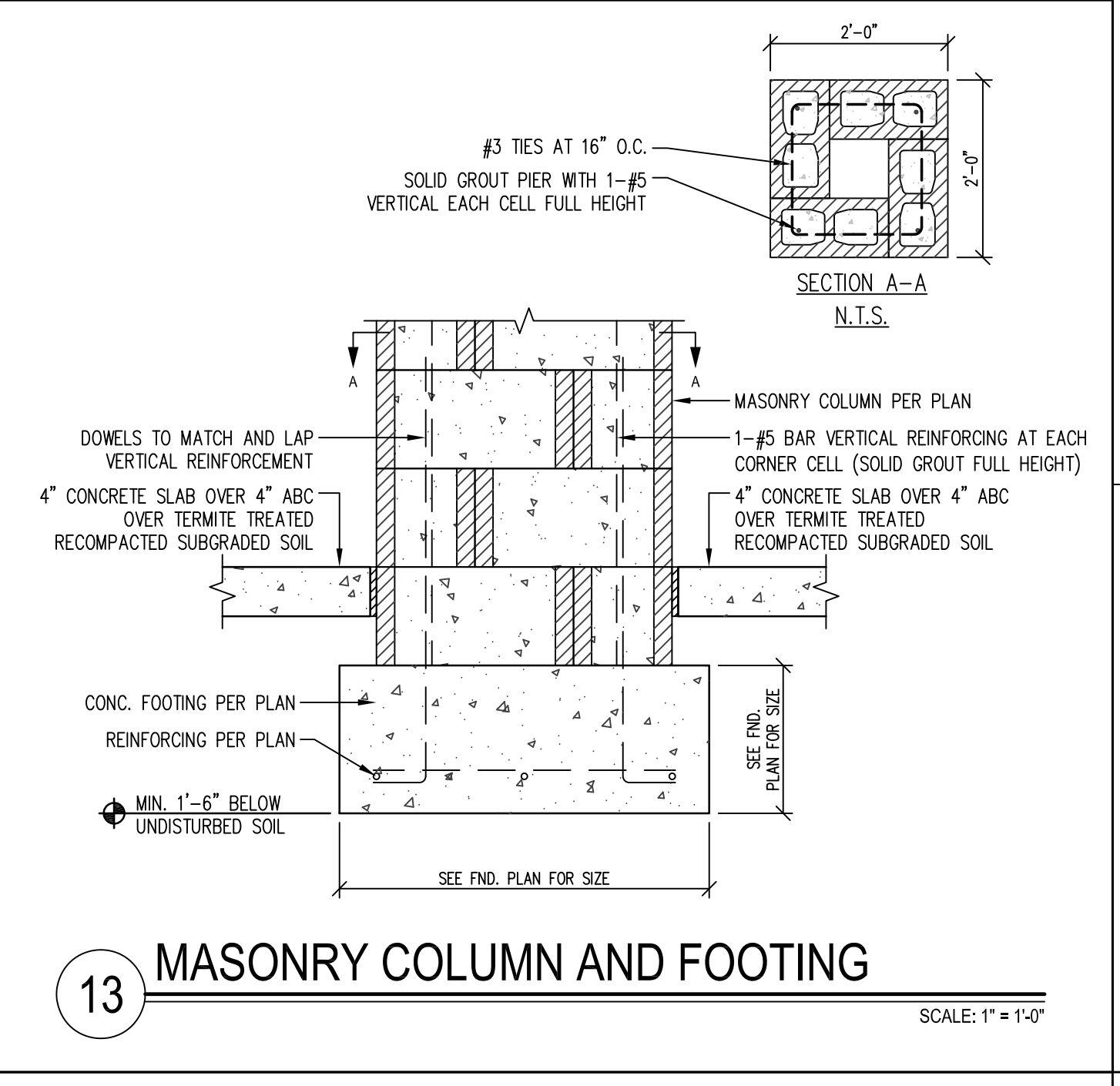
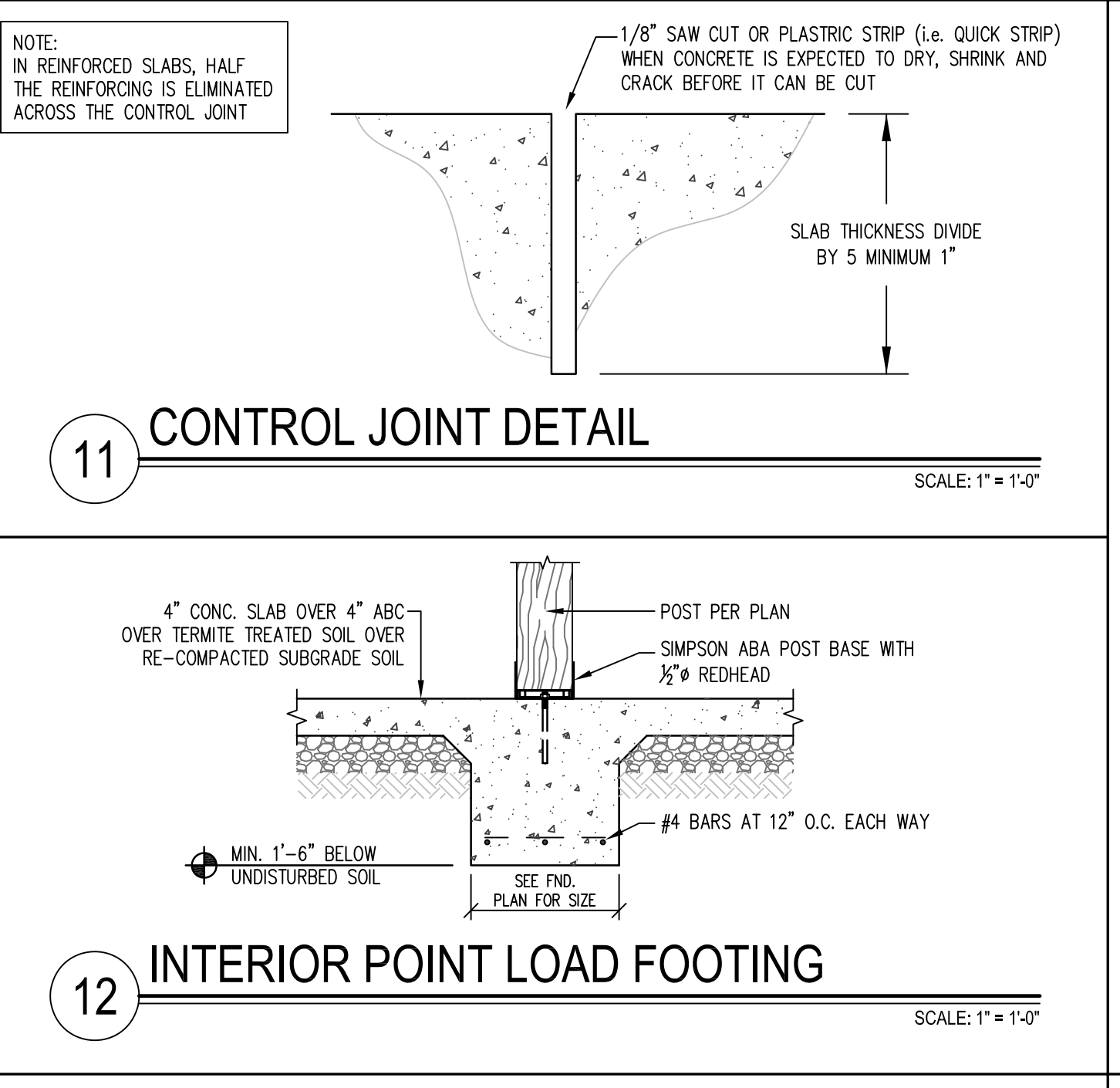
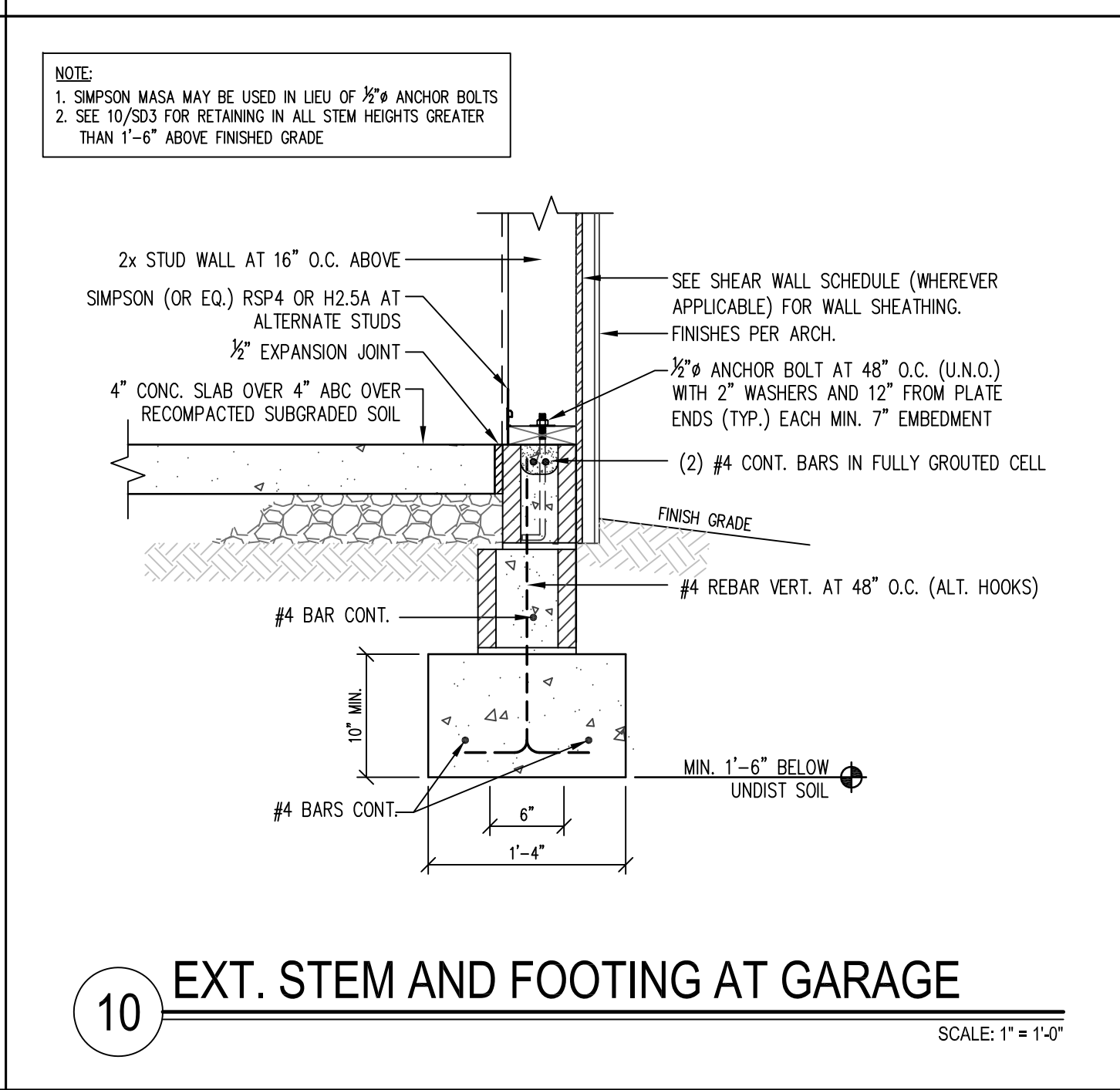
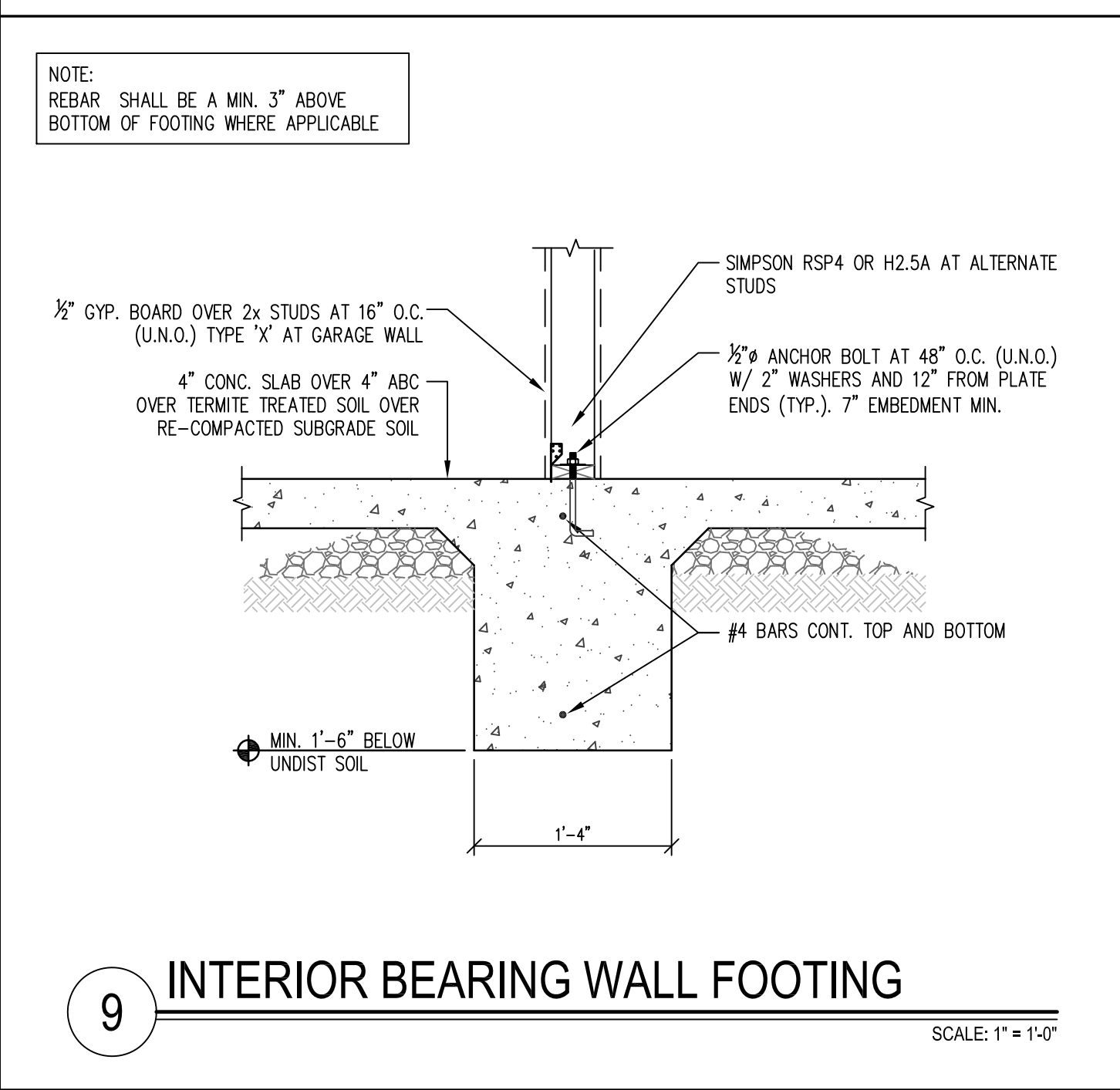
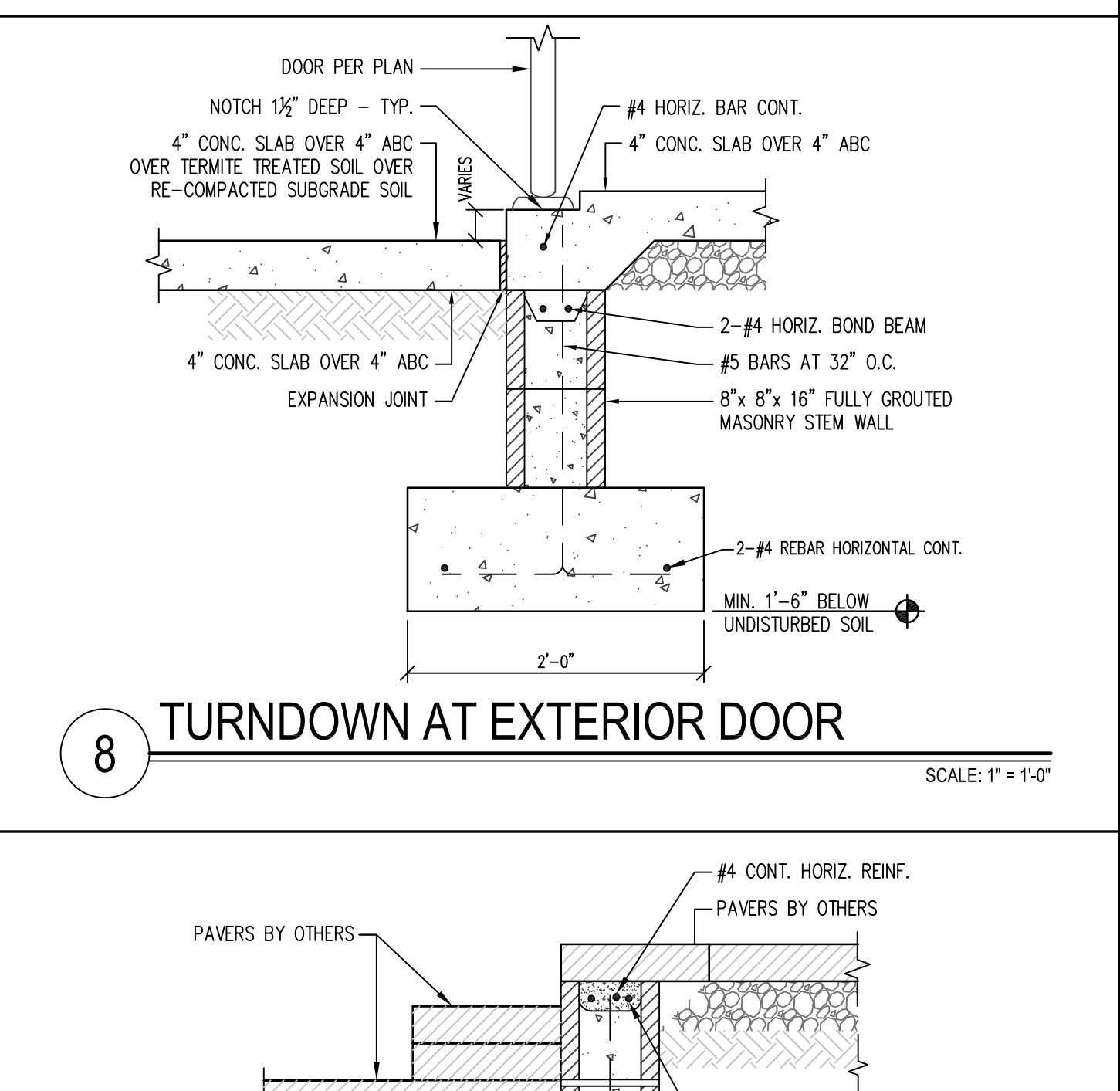
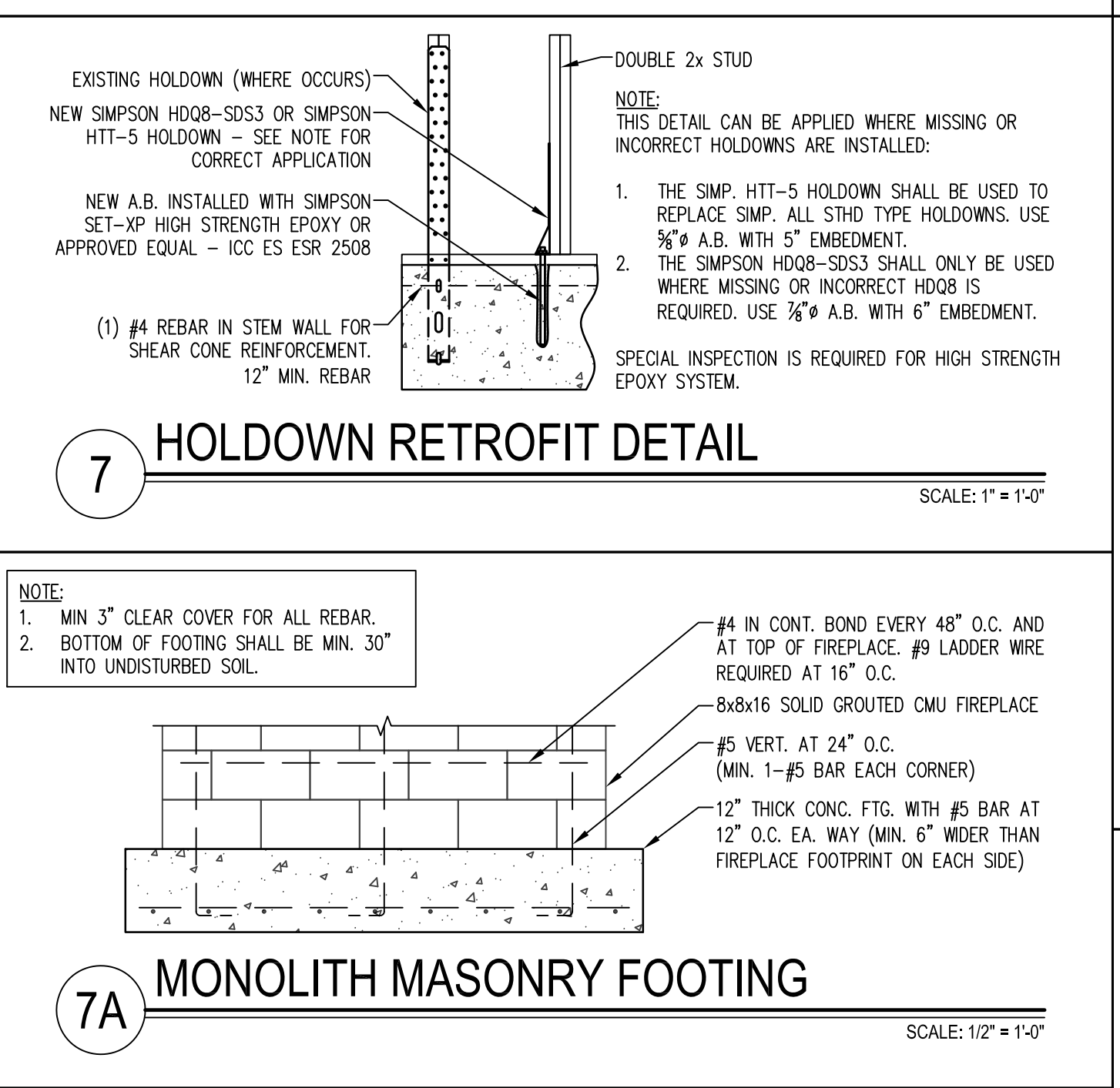
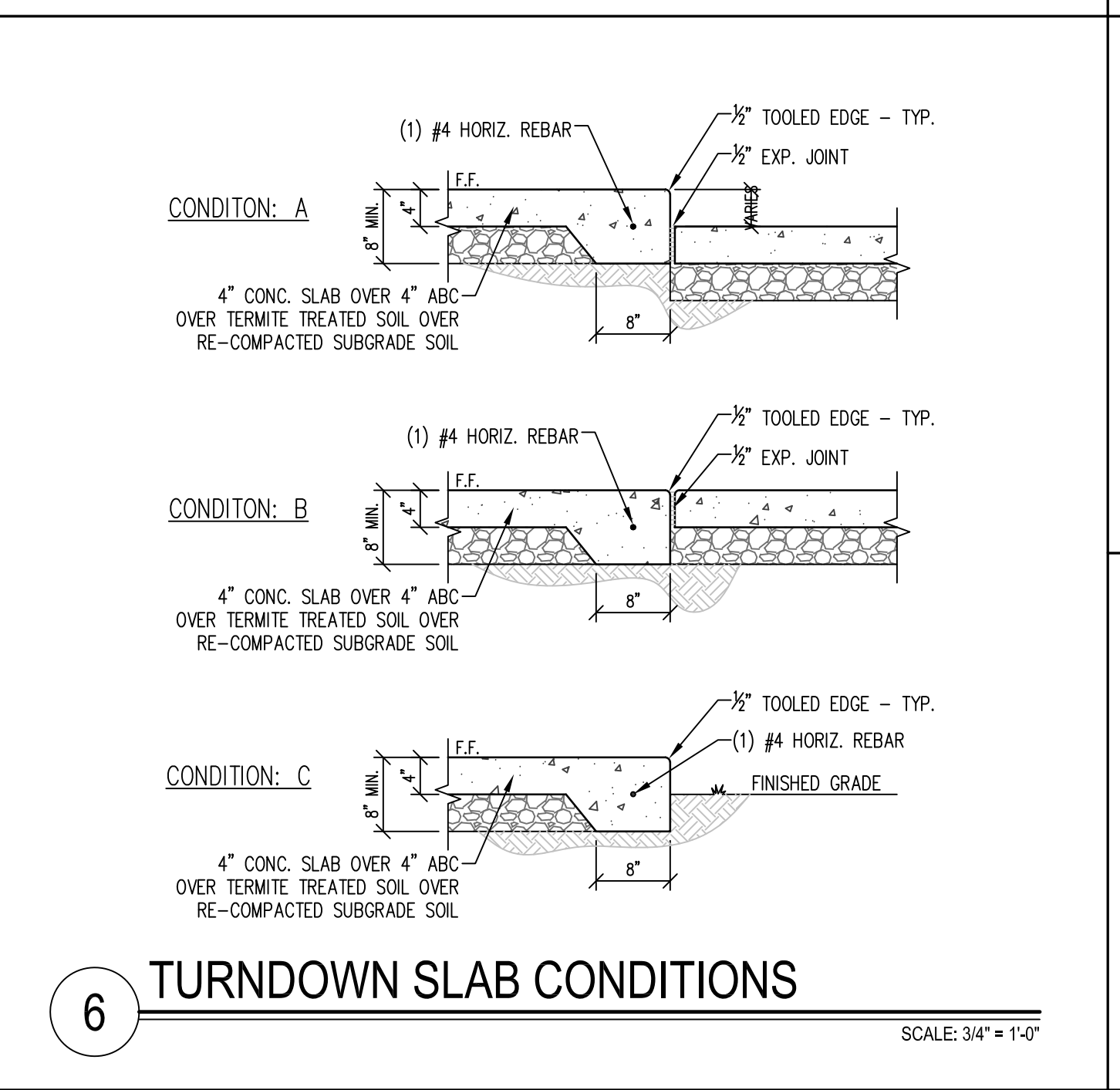
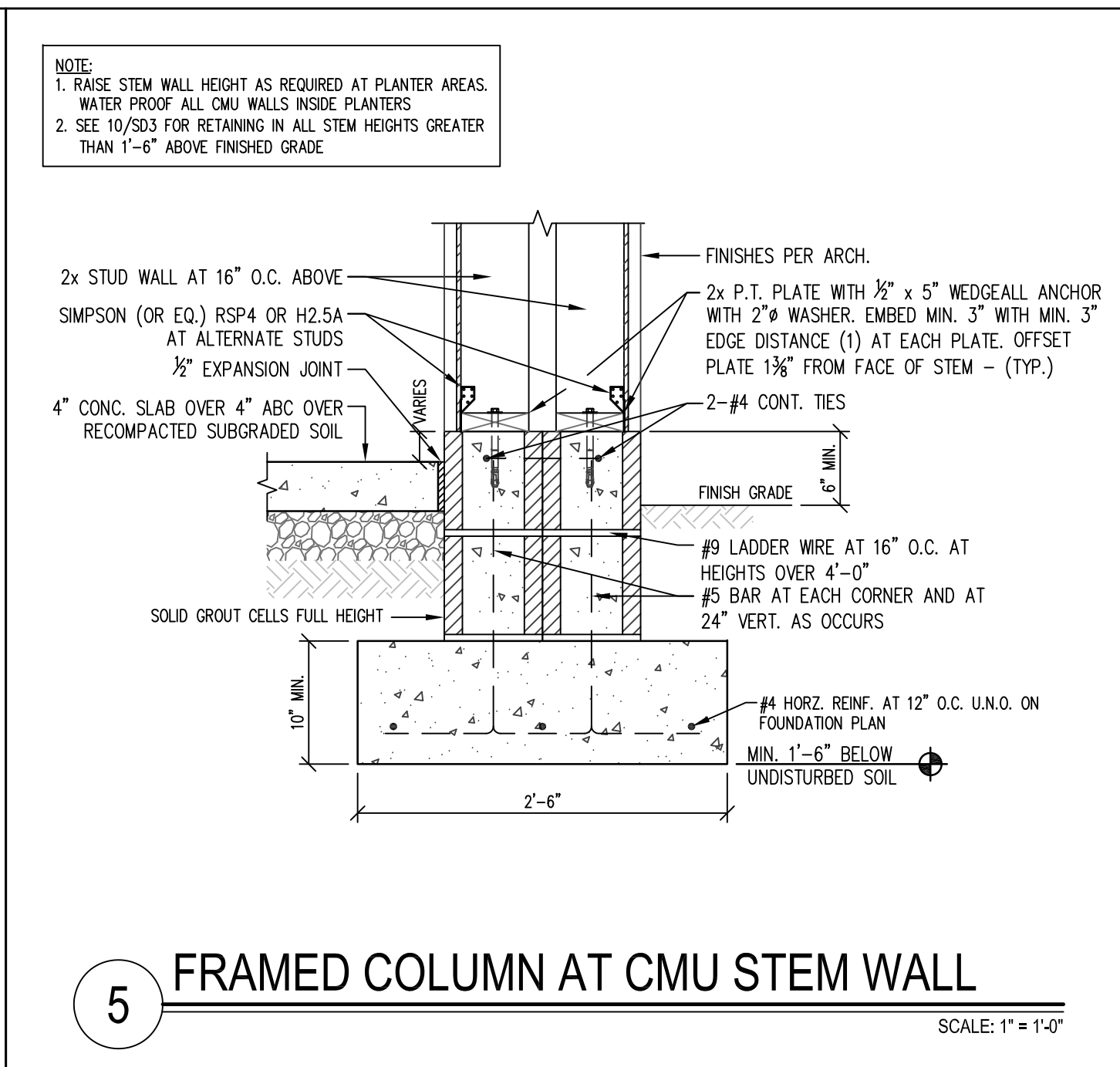
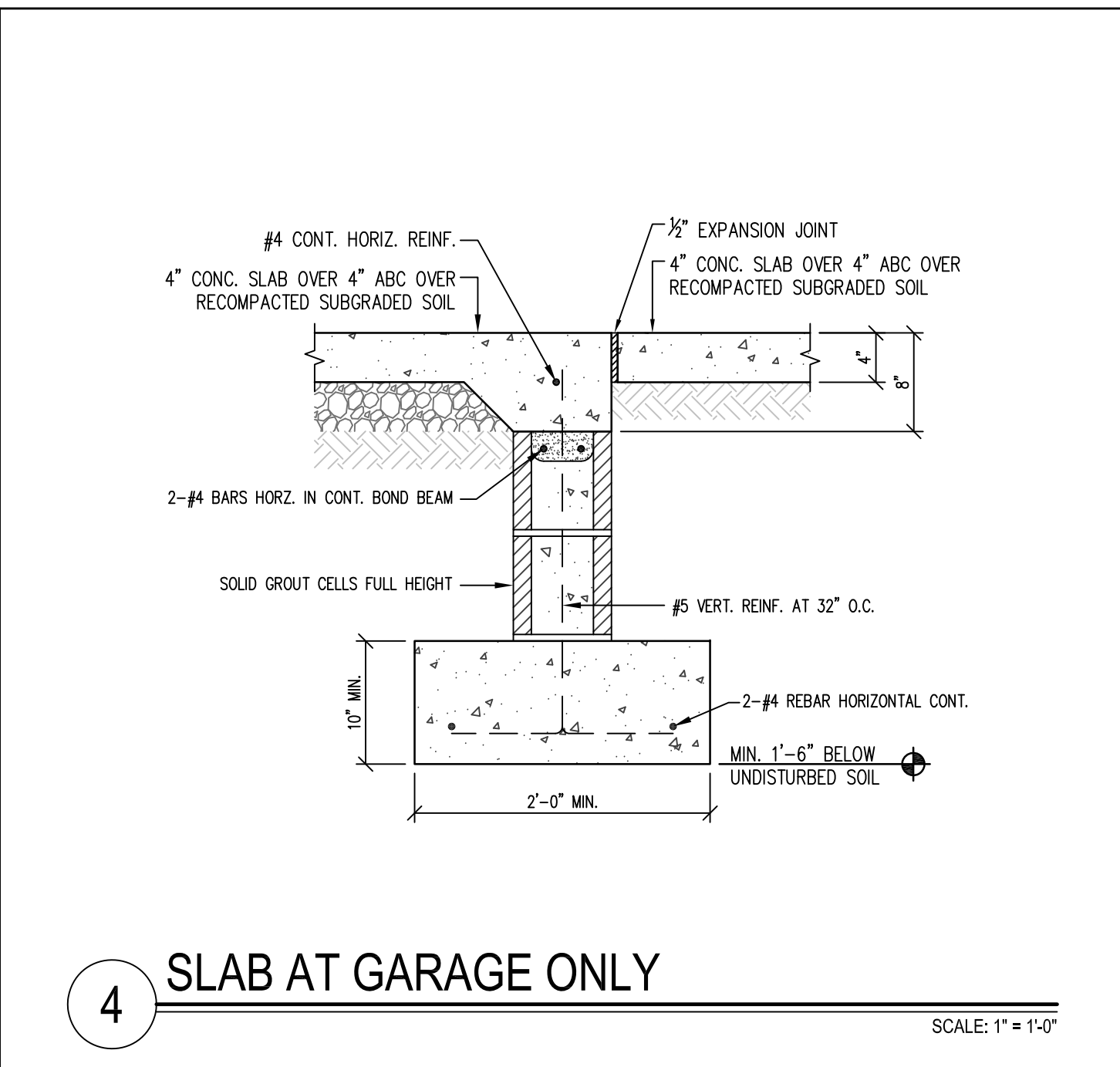
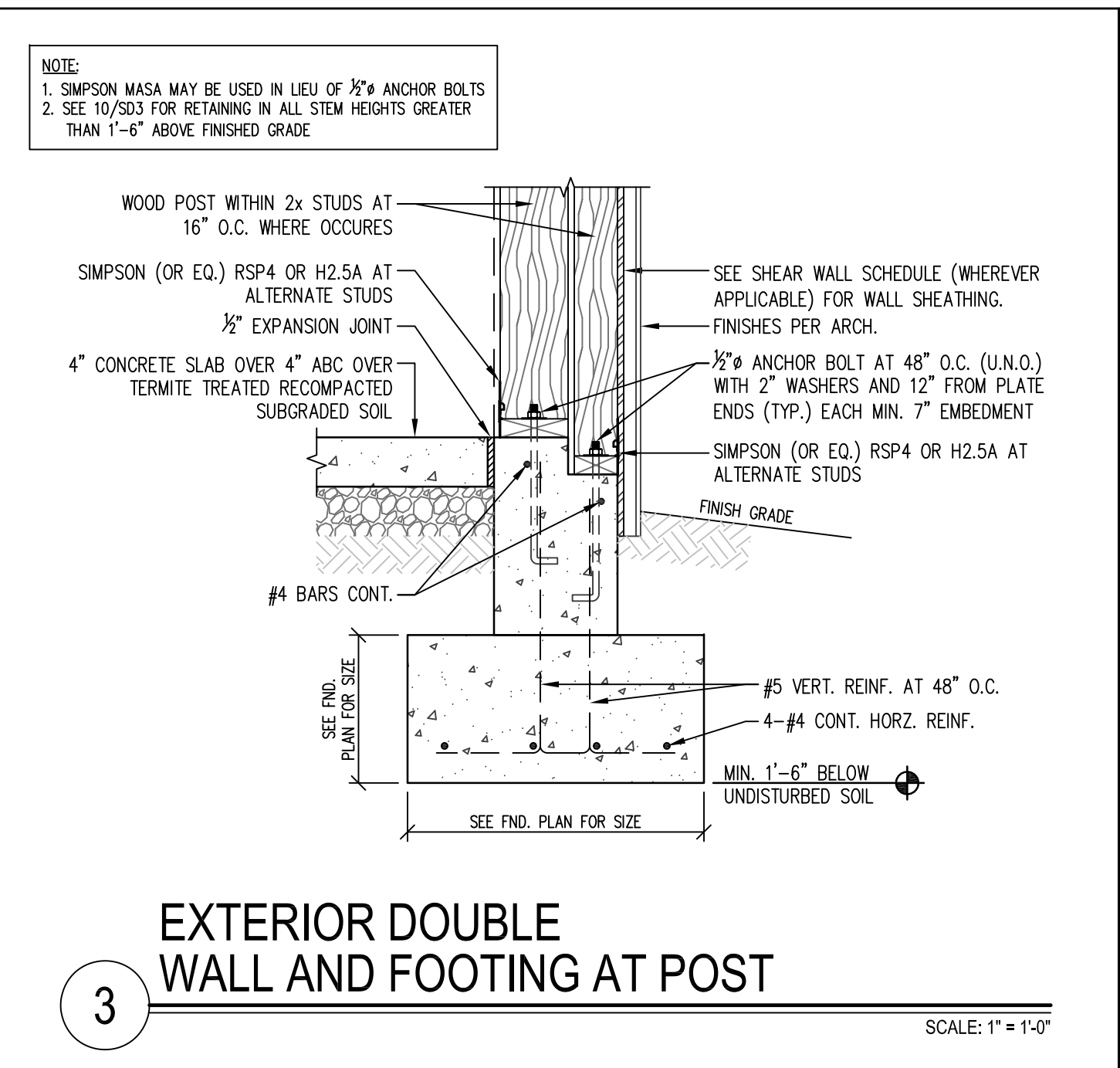
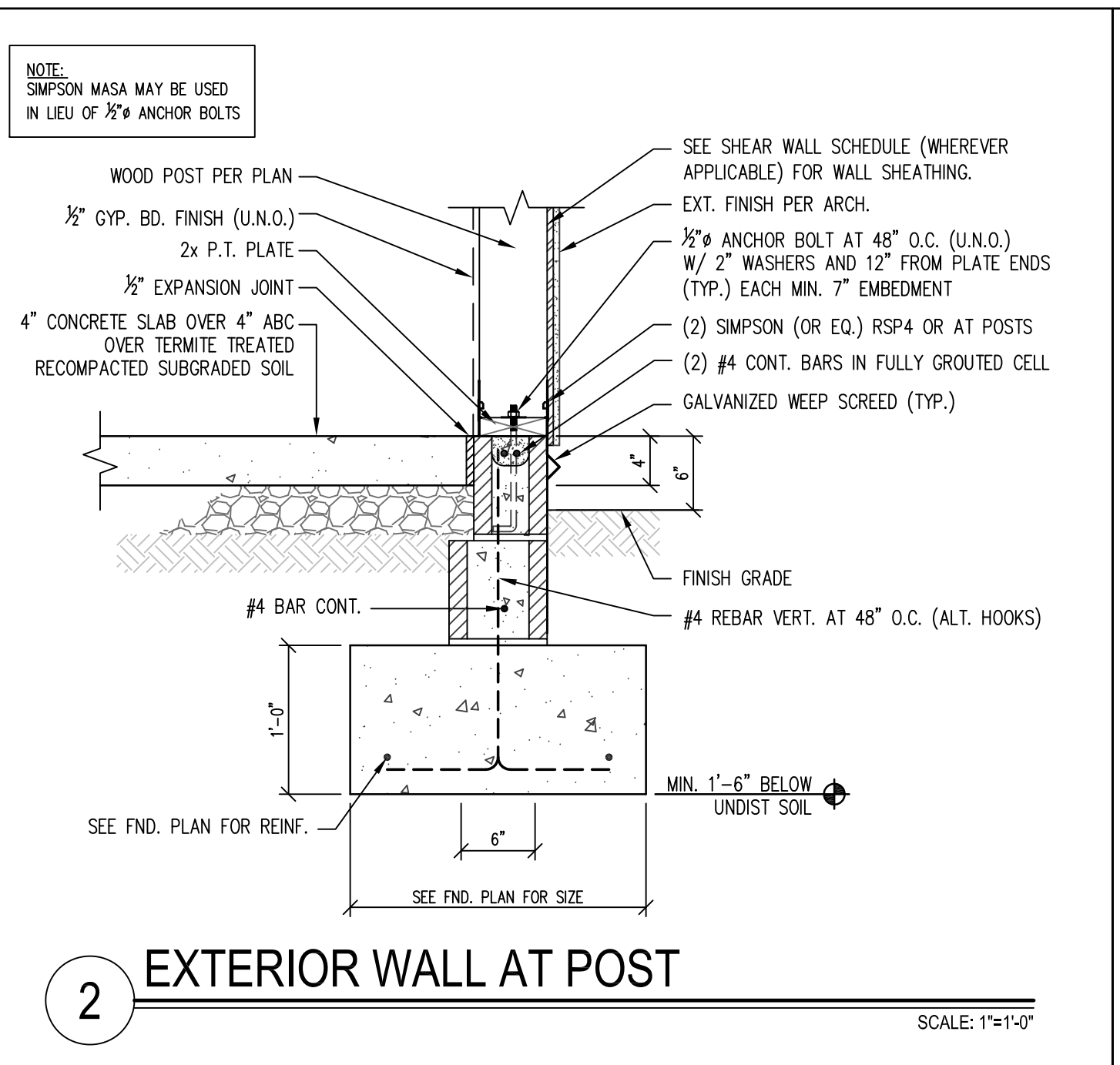
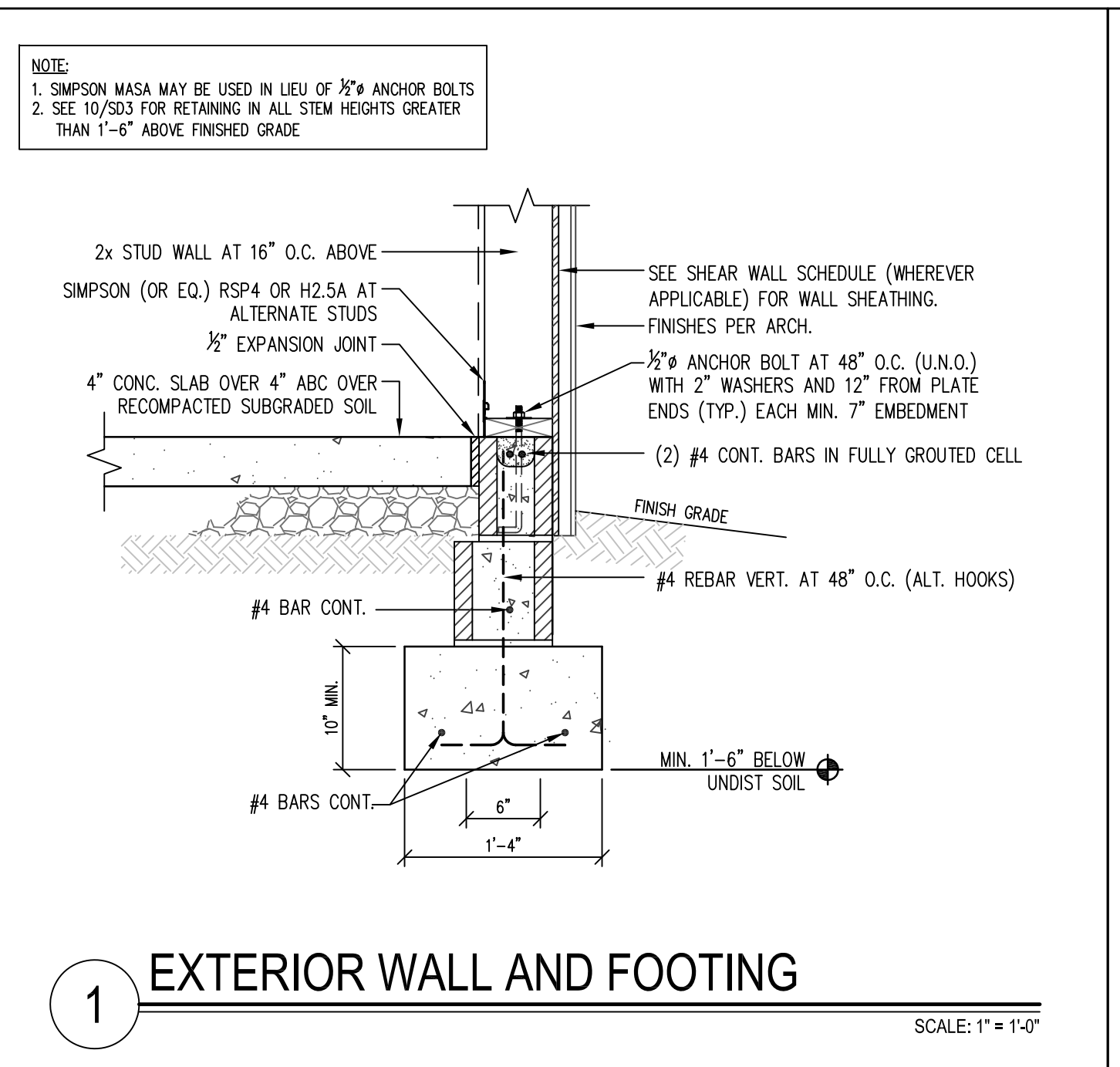
PROJECT NUMBER: \_\_\_\_\_  
DATE: 2.4.2022

SHEET TITLE:  
**SHEARWALL LAYOUT**

SHEET NUMBER:  
**S3.1**

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND THE PROPERTY OF GILBERT STRUCTURAL, LLC AND SHALL REMAIN THEIR PROPERTY. THE USE OF THIS DRAWING SHALL BE RESTRICTED TO THE ORIGINAL SET FOR WHICH IT WAS PREPARED AND REVISIONS MADE TO SUCH USE. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD OR MEANS OR PART IS PROHIBITED WITHOUT THEIR WRITTEN CONSENT.





**KASNOFF RESIDENCE**  
15546 EAST TELEGRAPH DRIVE  
FOUNTAIN HILLS, ARIZONA 85268

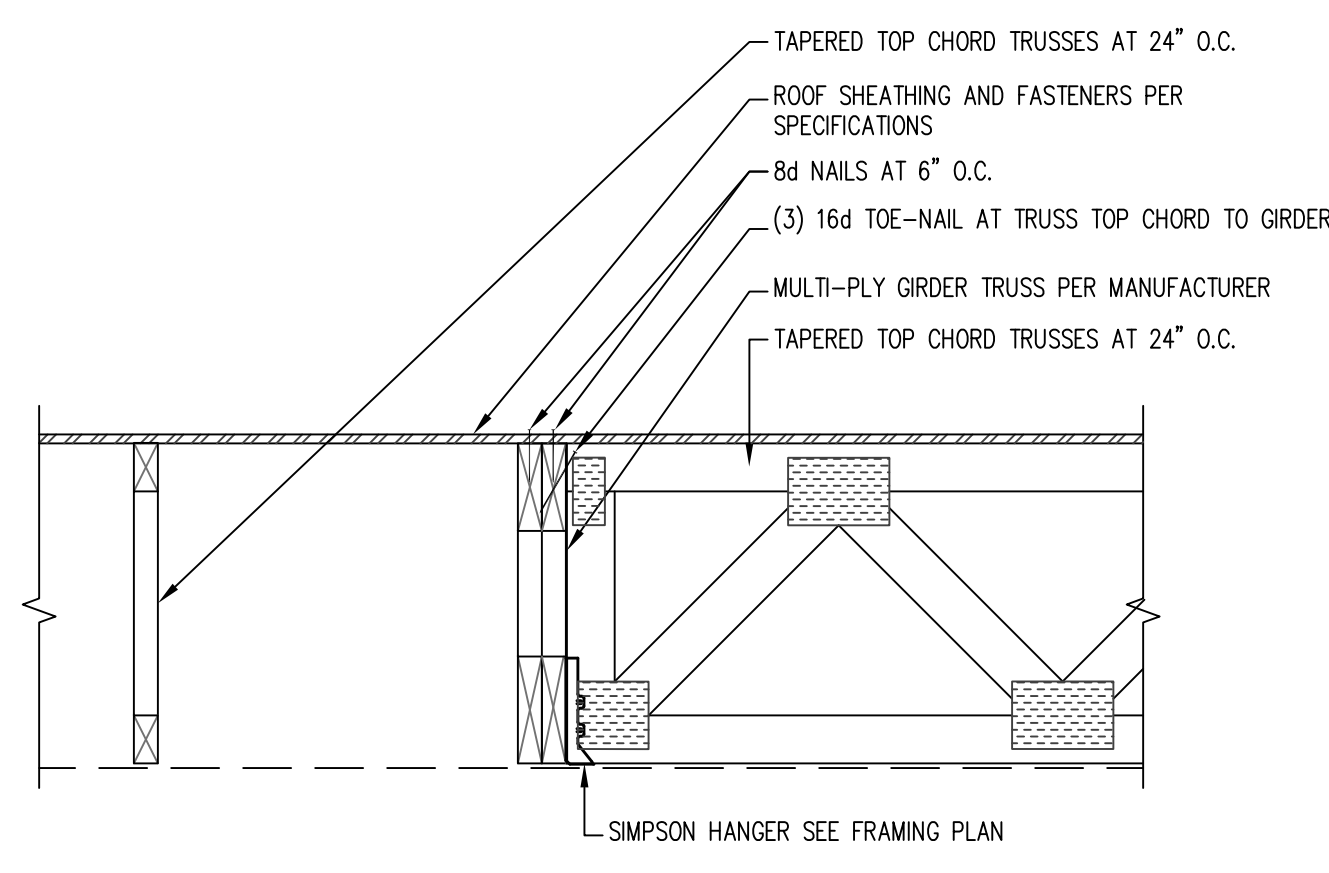
Gilbert Structural LLC  
2036 North Gilbert Road  
Suite 2-428  
Mesa, Arizona 85203  
Office 480-398-8144  
Fax 480-398-8166

PROFESSIONAL SEAL  
4193  
WILLIAM L. GILBERT  
P.E. No. 14548, P.E. No. 14549

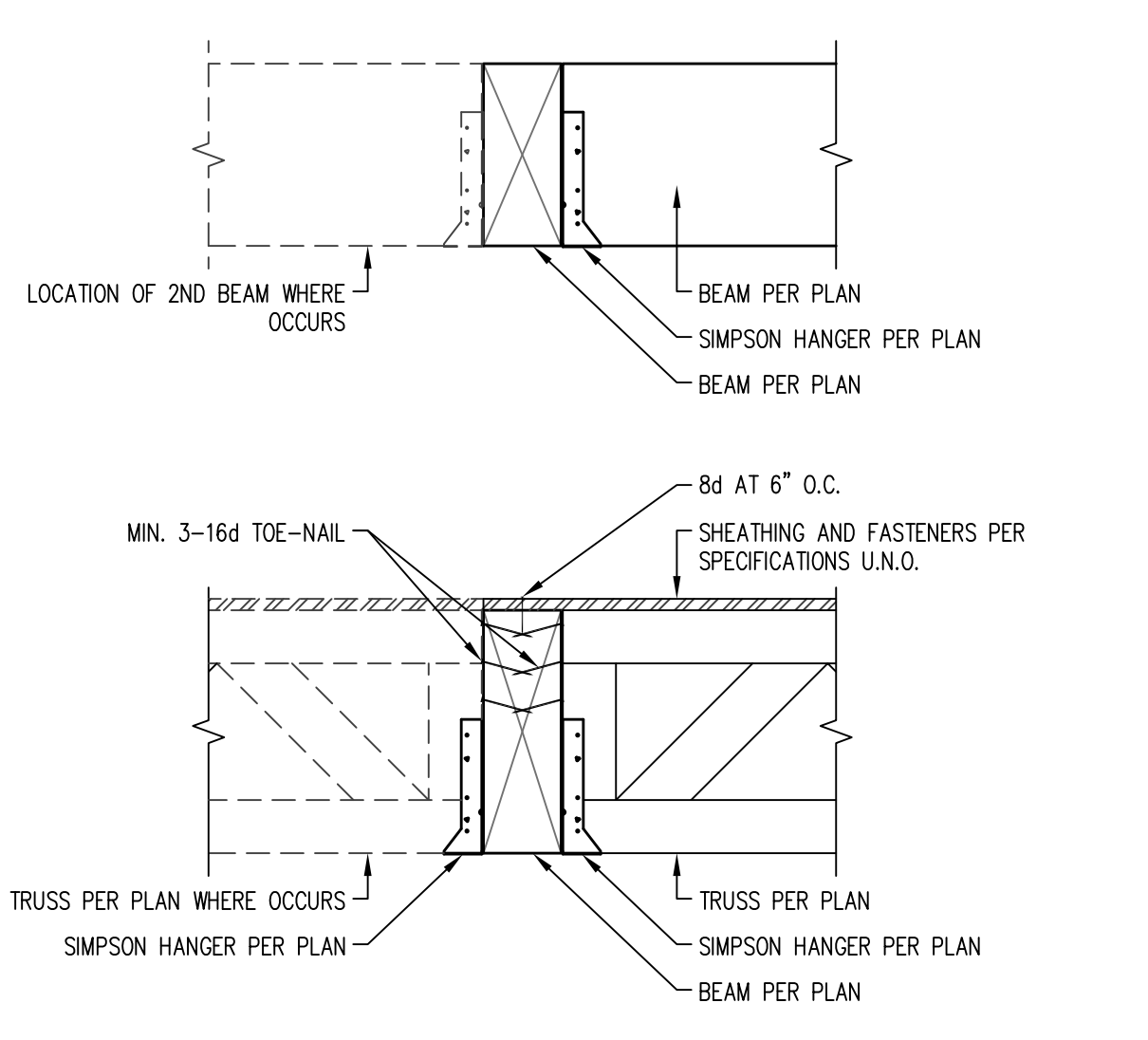
REVISIONS  
1  
2  
3  
4  
5

PROJECT NUMBER:  
DATE: 2.4.2022

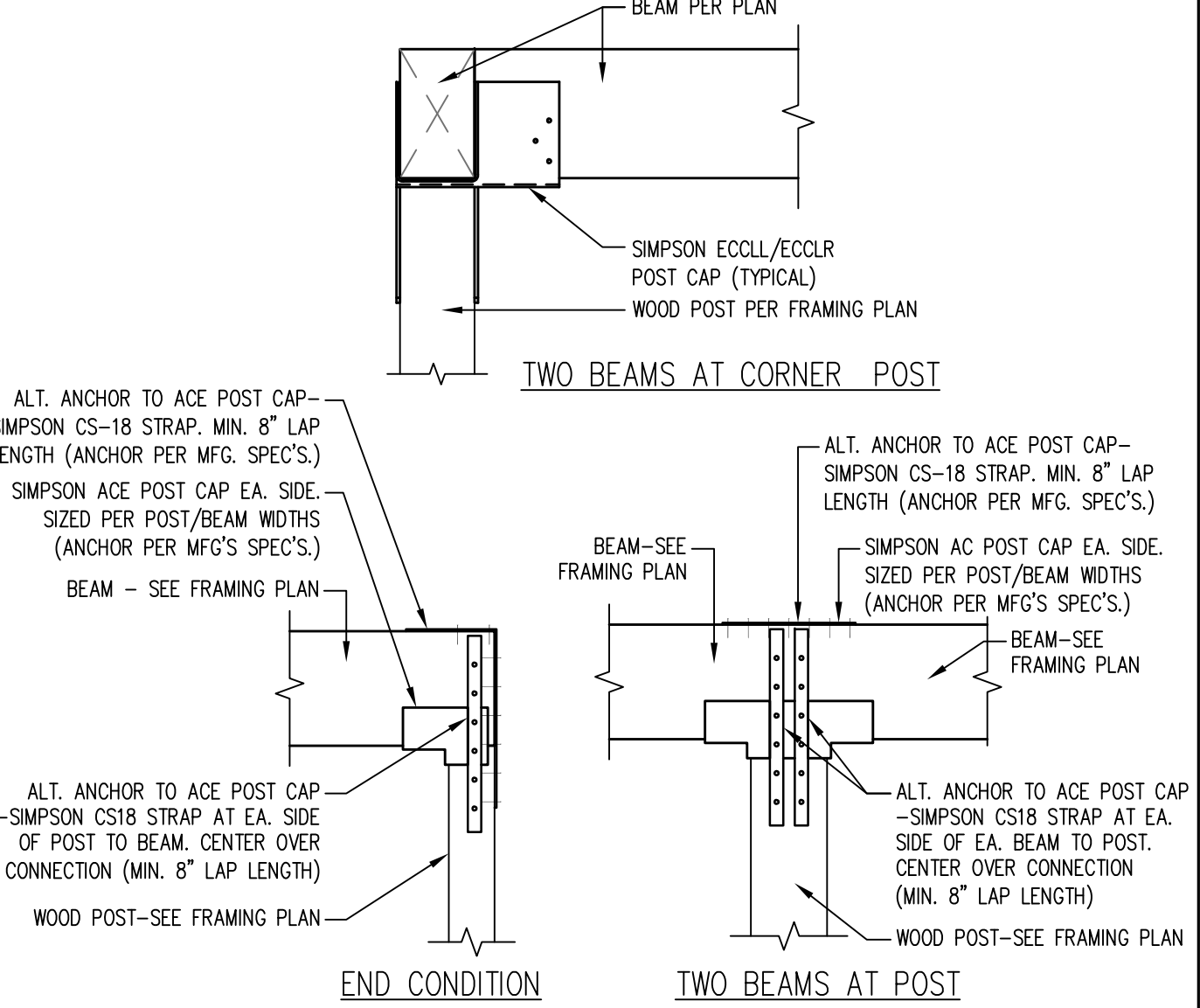
SHEET TITLE:  
STRUCTURAL DETAILS  
SHEET NUMBER:  
**SD1**



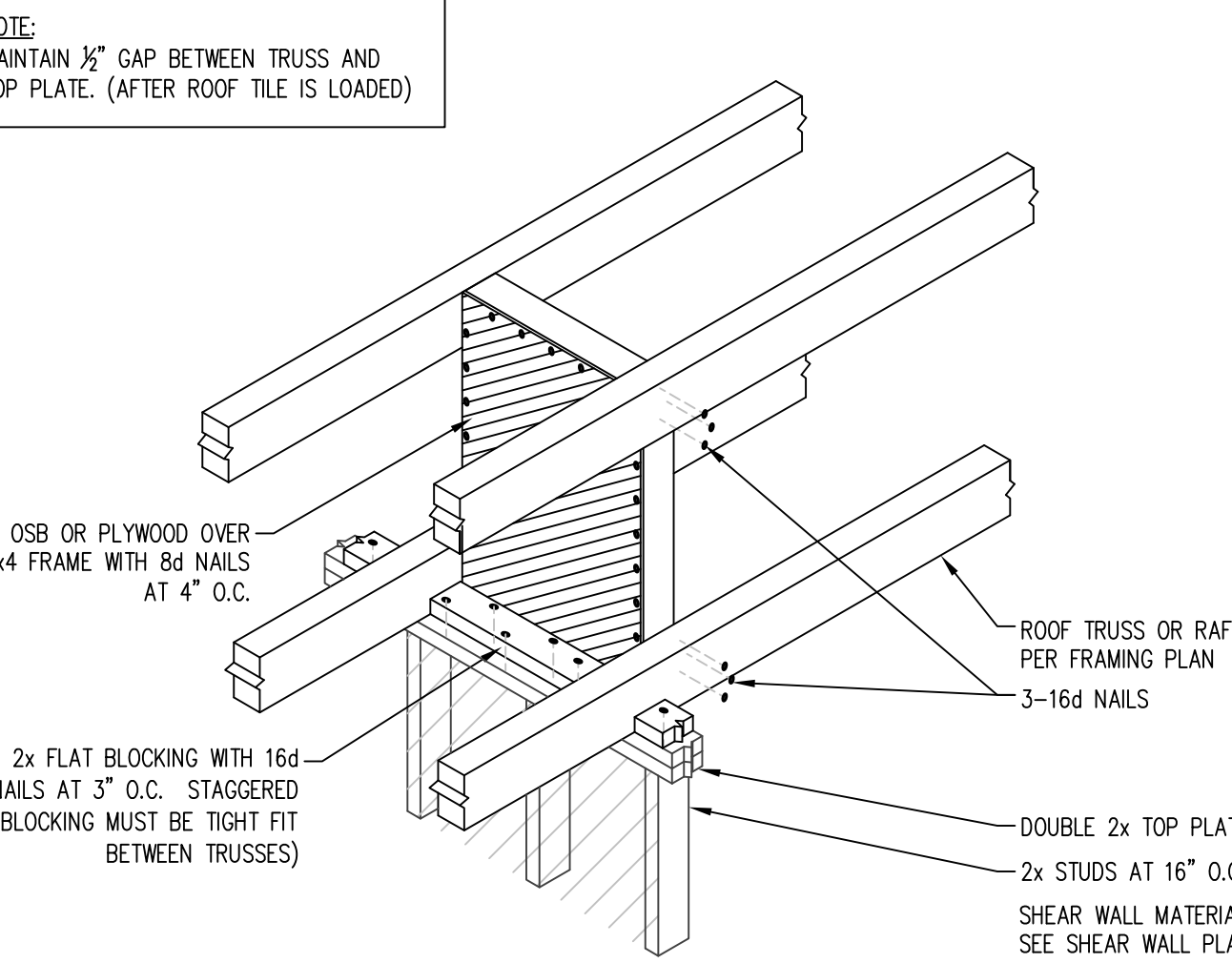
**1 ROOF TRUSS / GIRDER CONNECTION**  
SCALE: 1" = 1'-0"



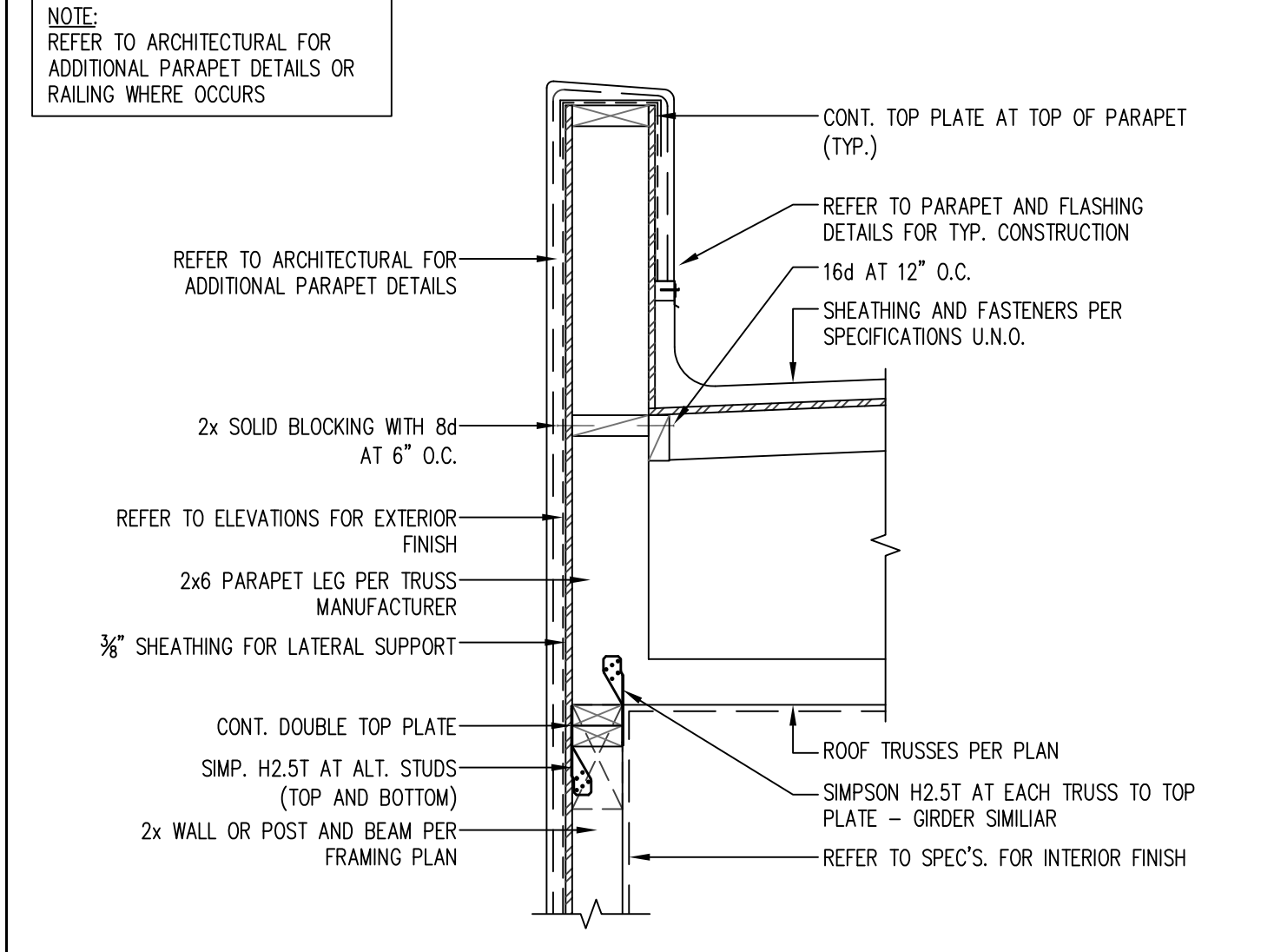
**2A BEAM / TRUSS / RAFTER TO BEAM**  
SCALE: 1" = 1'-0"



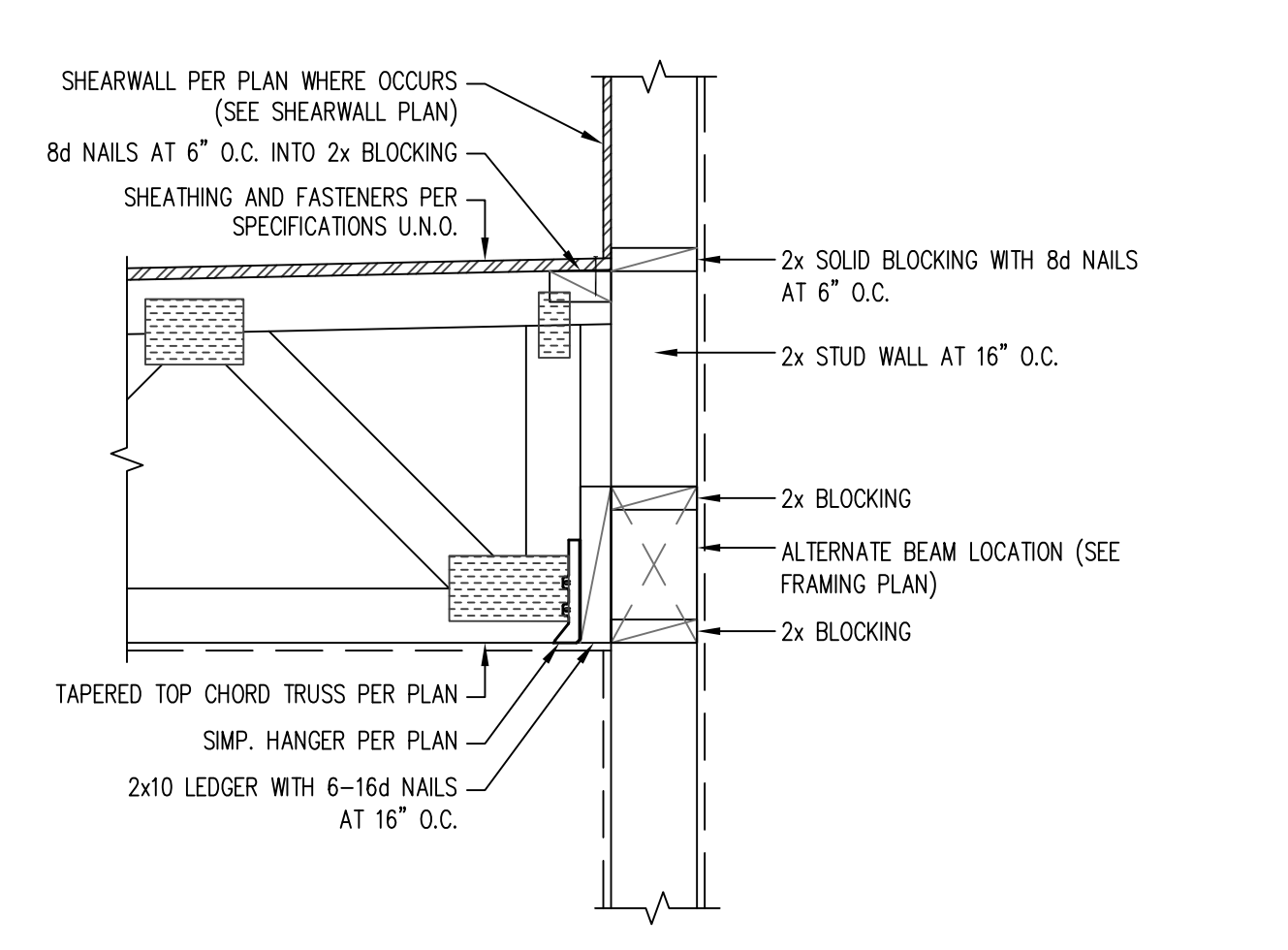
**2 TYPICAL BEAM / POST CONNECTION**  
NOT TO SCALE



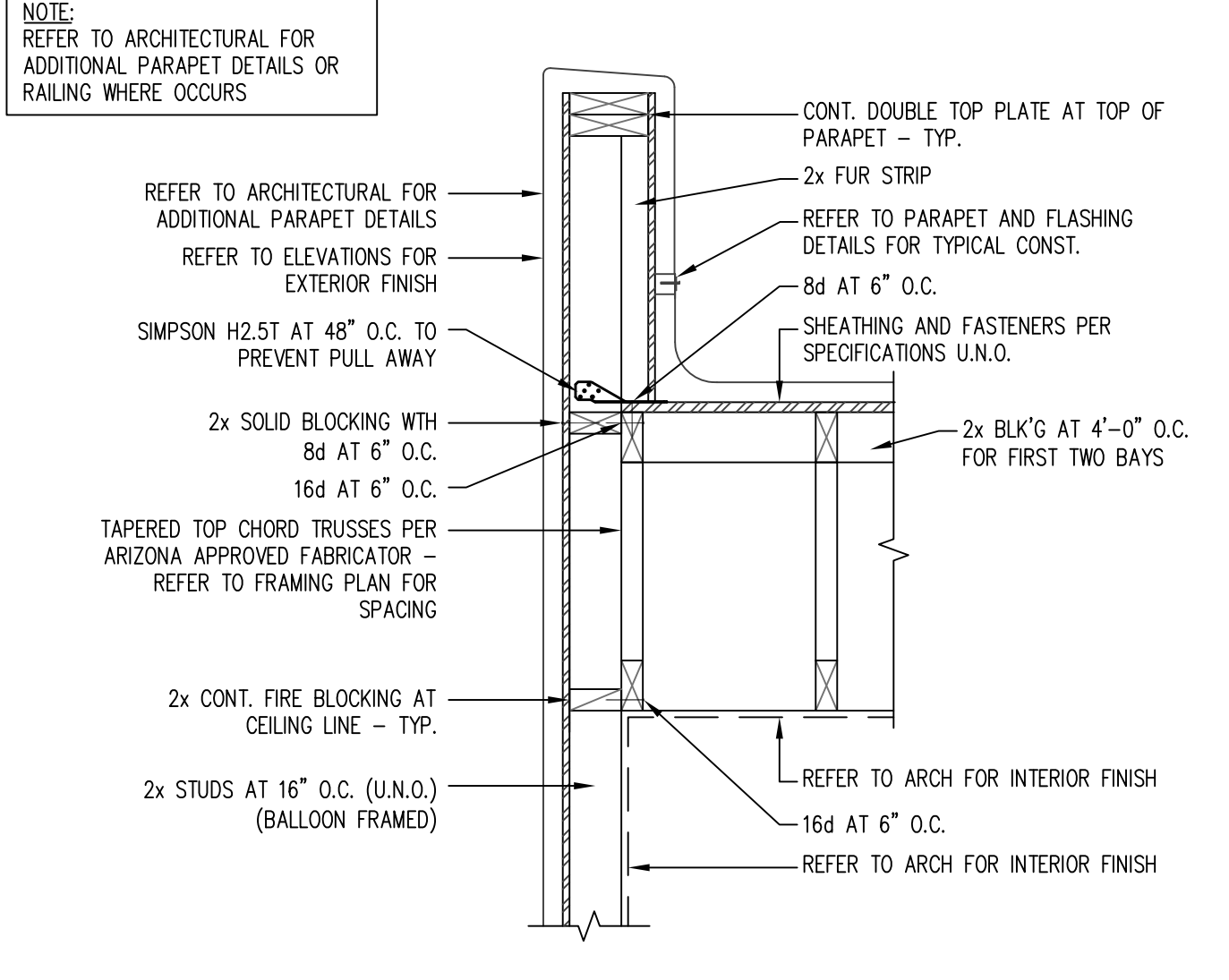
**3 SHEAR TRANSFER AT NONBEARING WALL**  
NOT TO SCALE



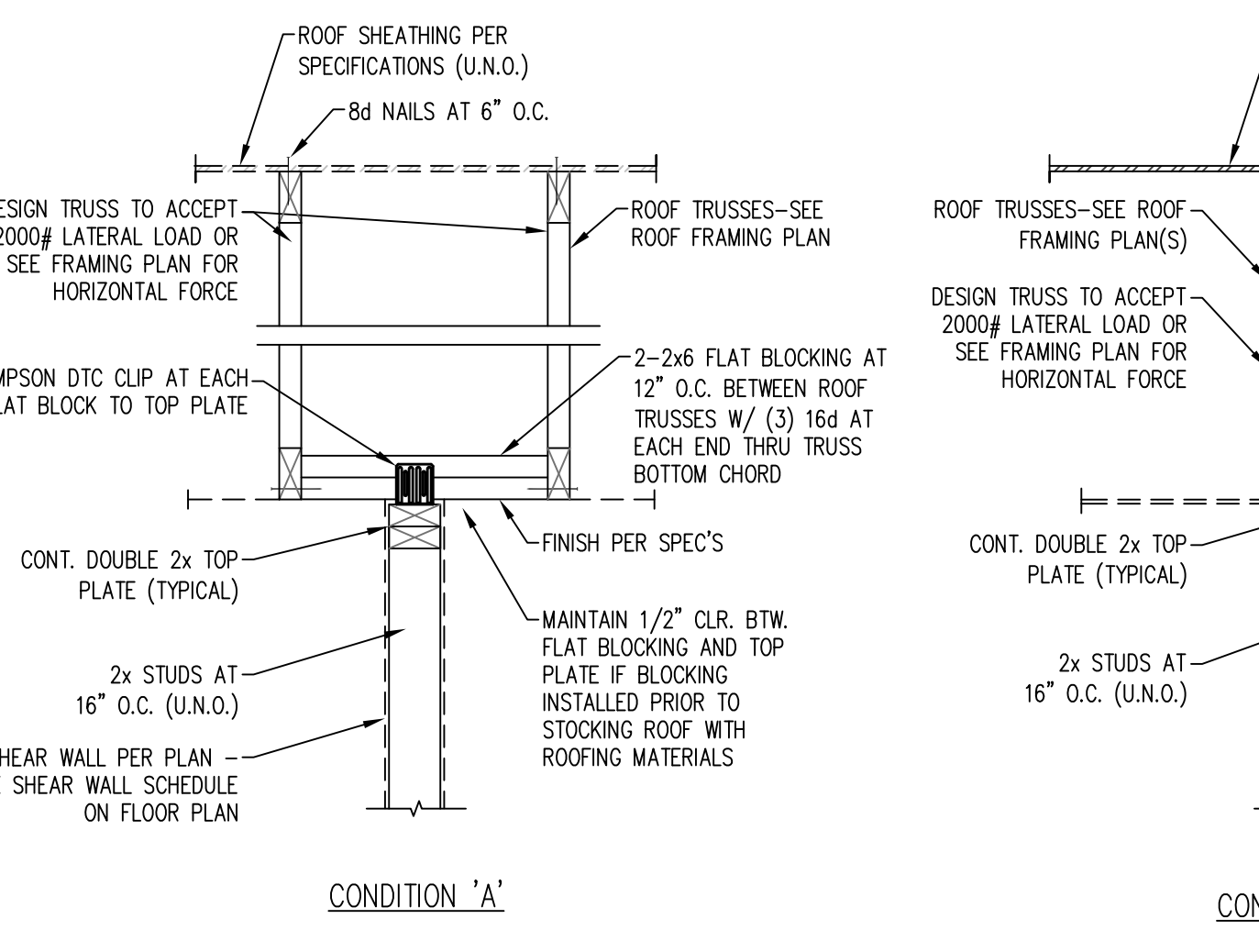
**4 PERP. TRUSSES AT PARAPET WALL**  
SCALE: 1" = 1'-0"



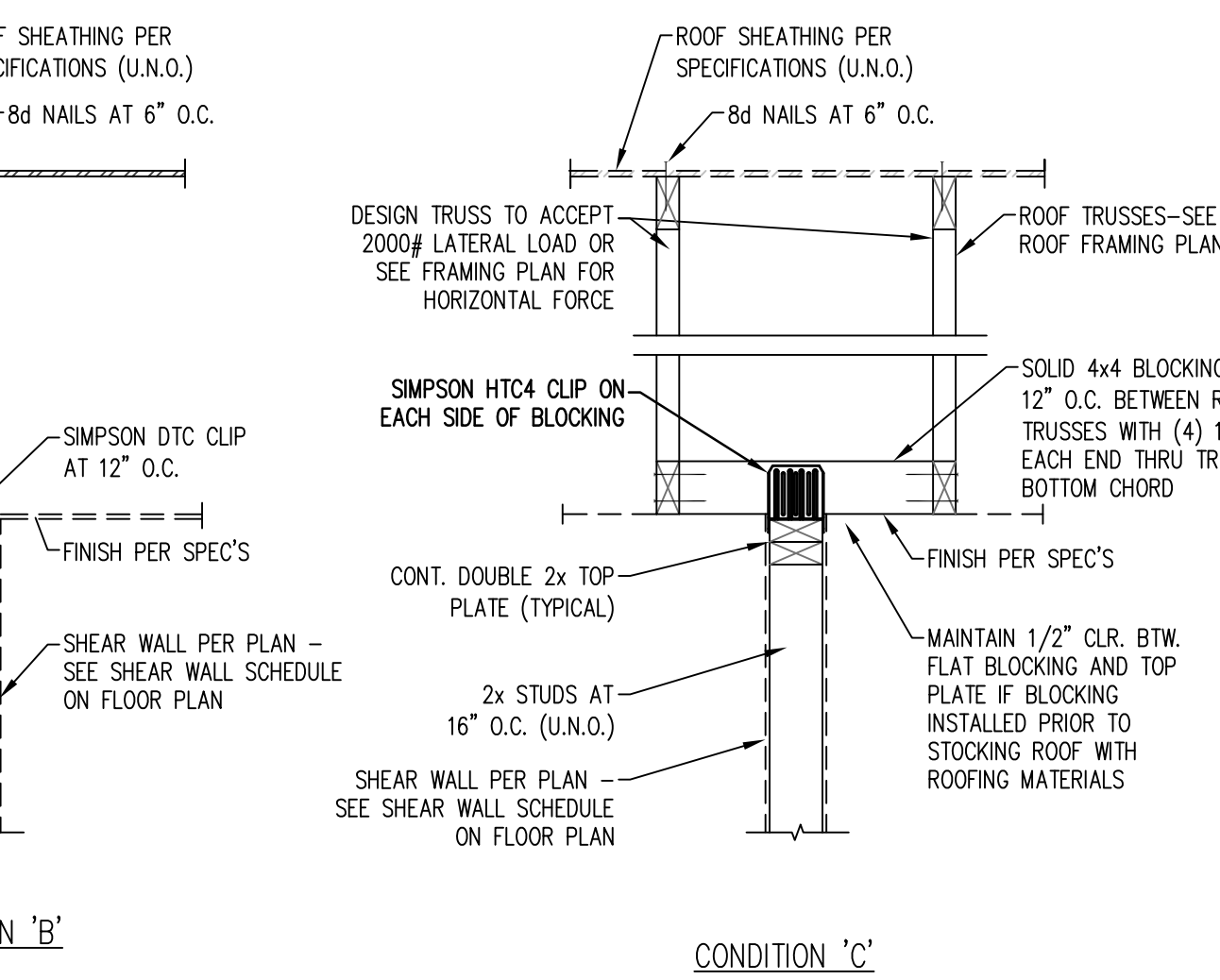
**5 ROOF/FLOOR TRUSS TO LEDGER AT WALL**  
SCALE: 1" = 1'-0"



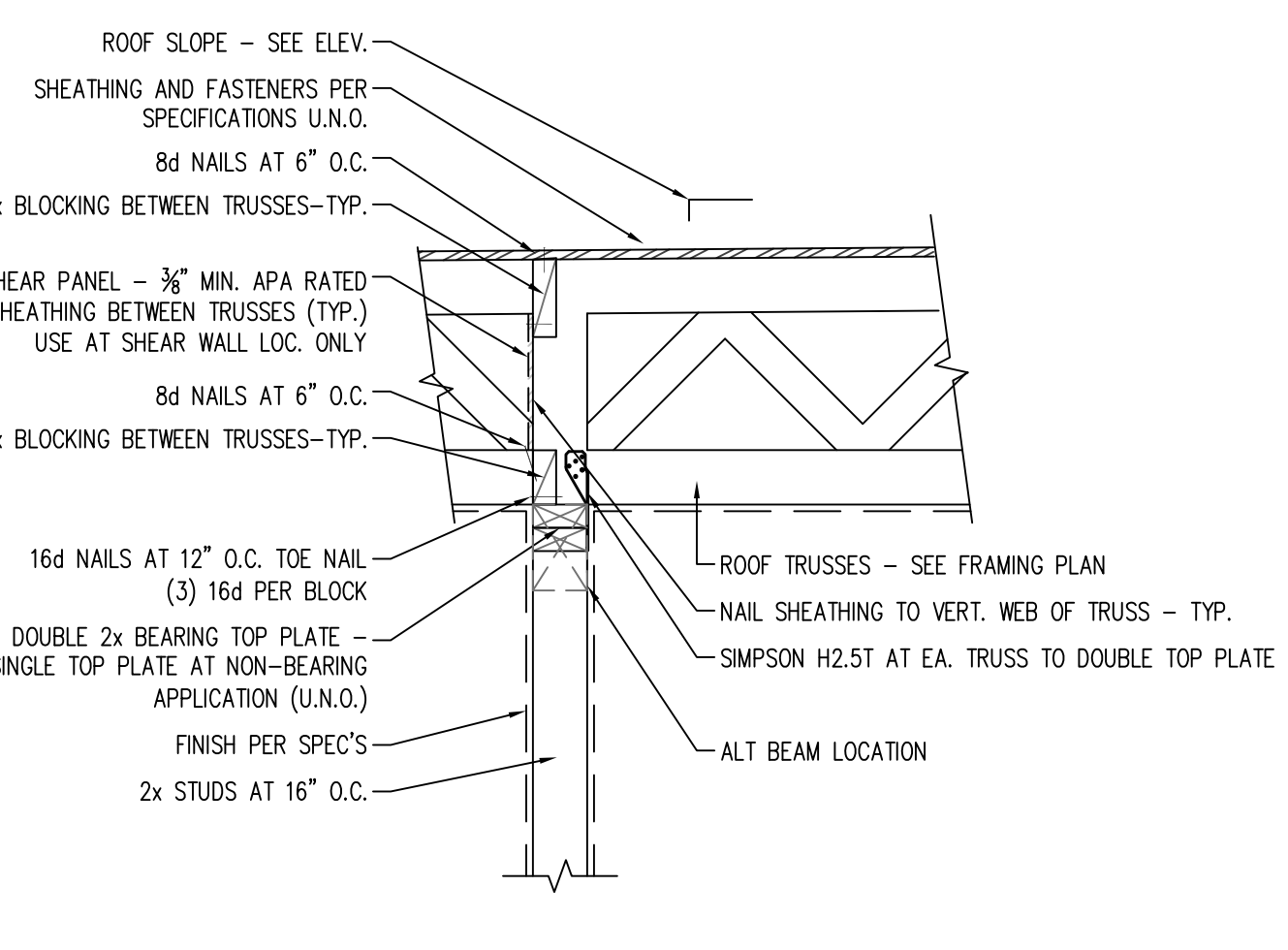
**6 PARALLEL TRUSSES AT PARAPET WALL / RAILING**  
SCALE: 1" = 1'-0"



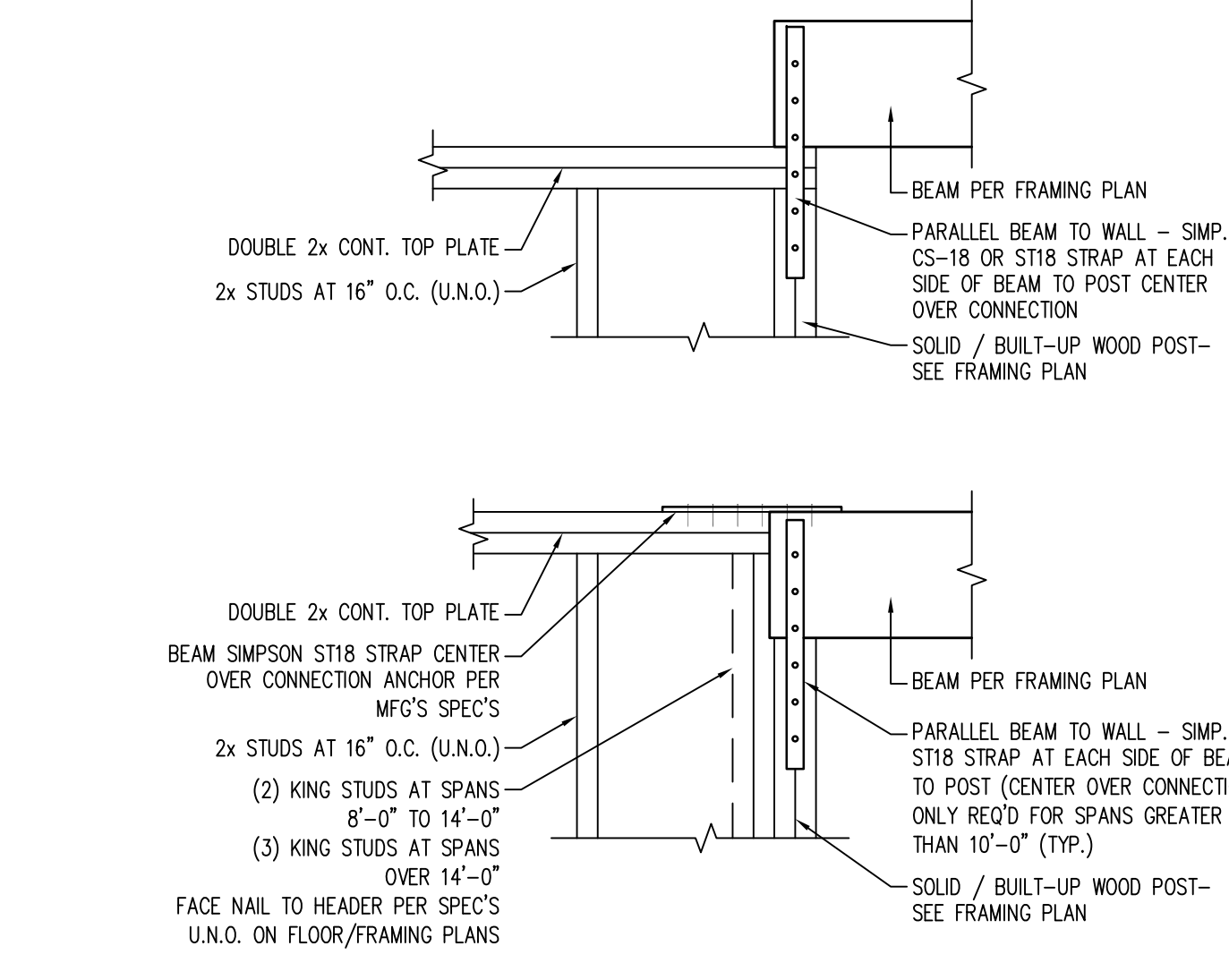
**7 TRUSSES / WALL TYP. SHEAR TRANSFER CONDITIONS**  
NOT TO SCALE



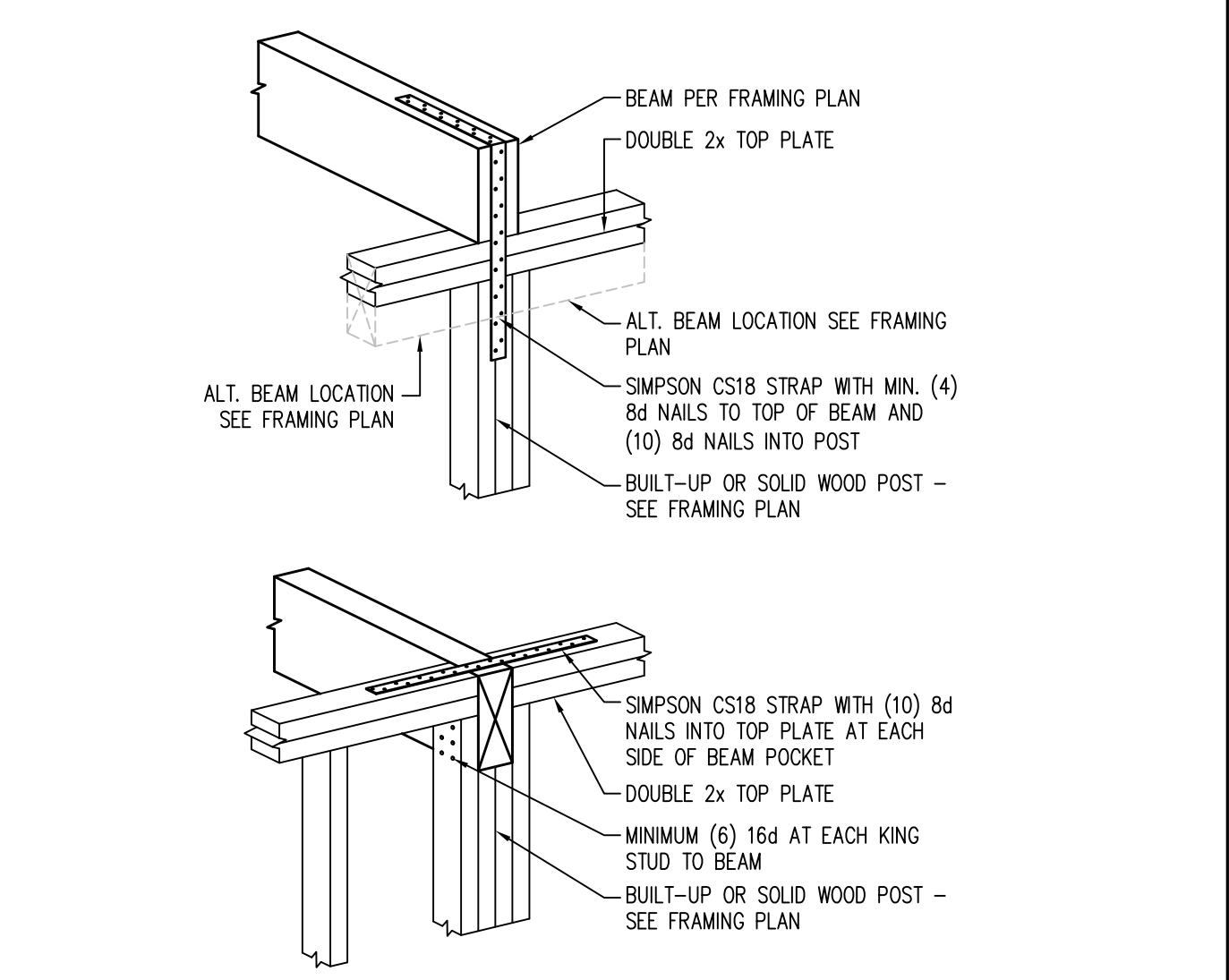
**8 PERP. / PAR. ROOF TRUSSES AT WALL**  
SCALE: 3/4" = 1'-0"



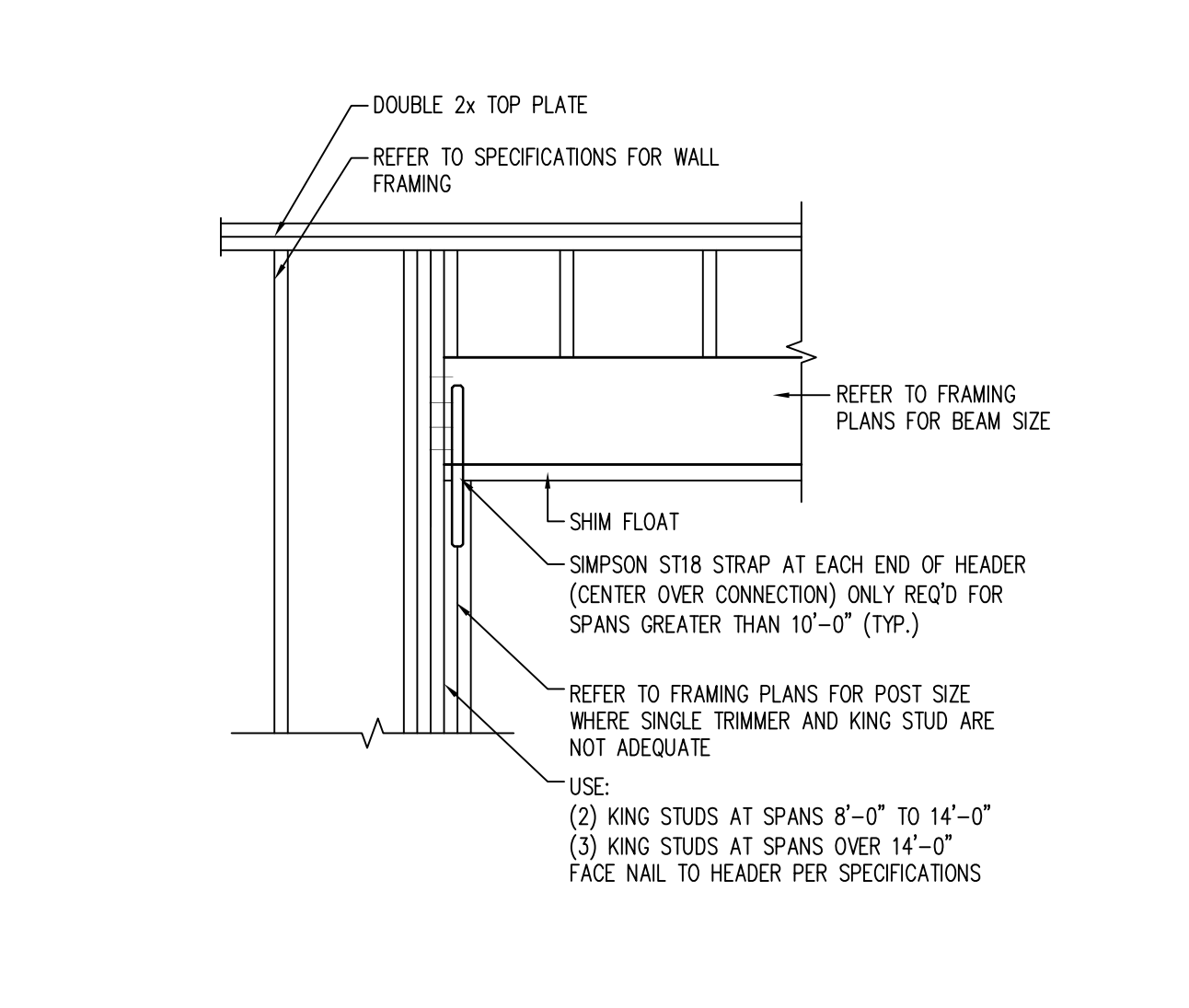
**9 INTERMEDIATE BEARING WALL / BEAM**  
SCALE: 1" = 1'-0"



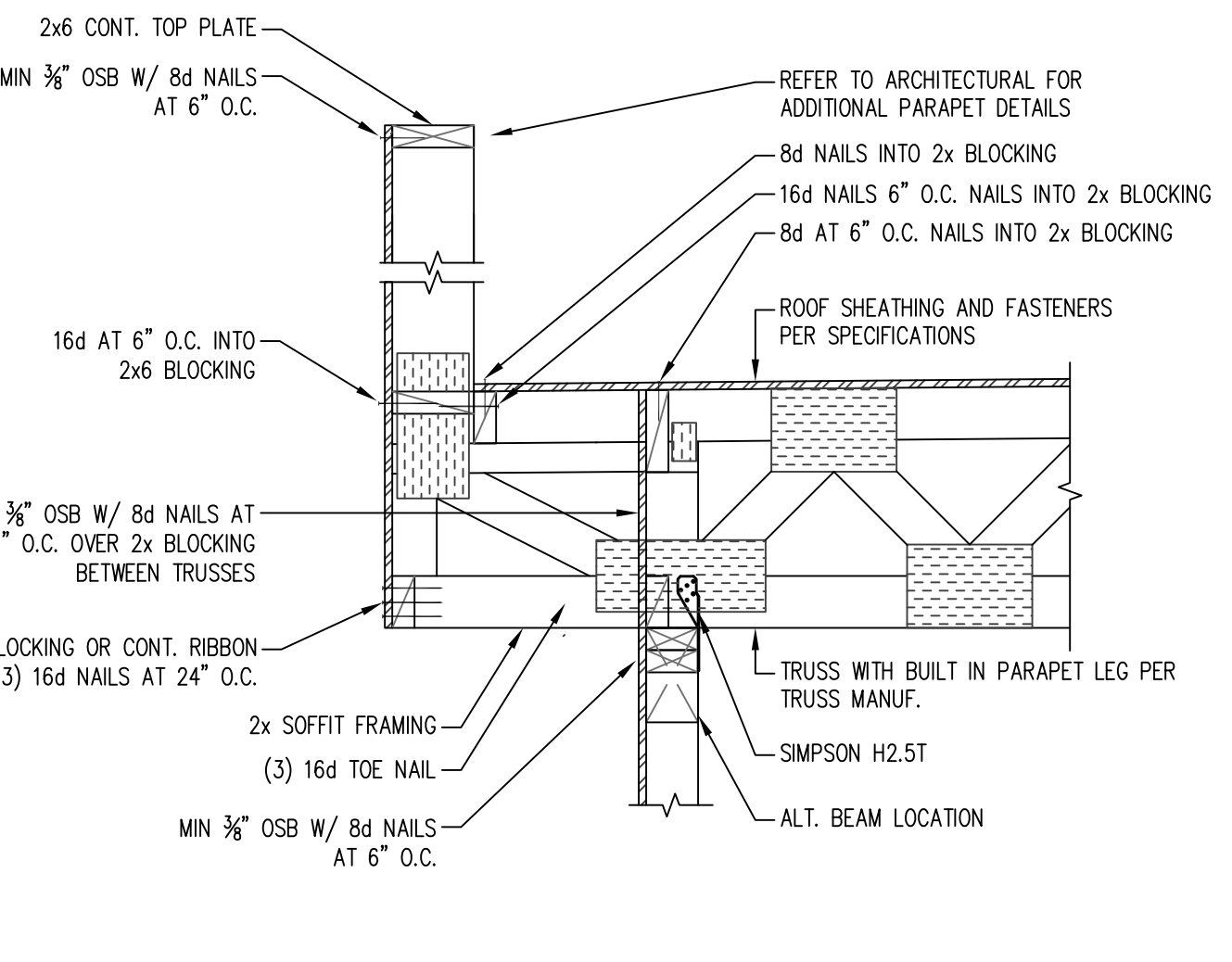
**10 BEAM AT WALL CONNECTIONS**  
NOT TO SCALE



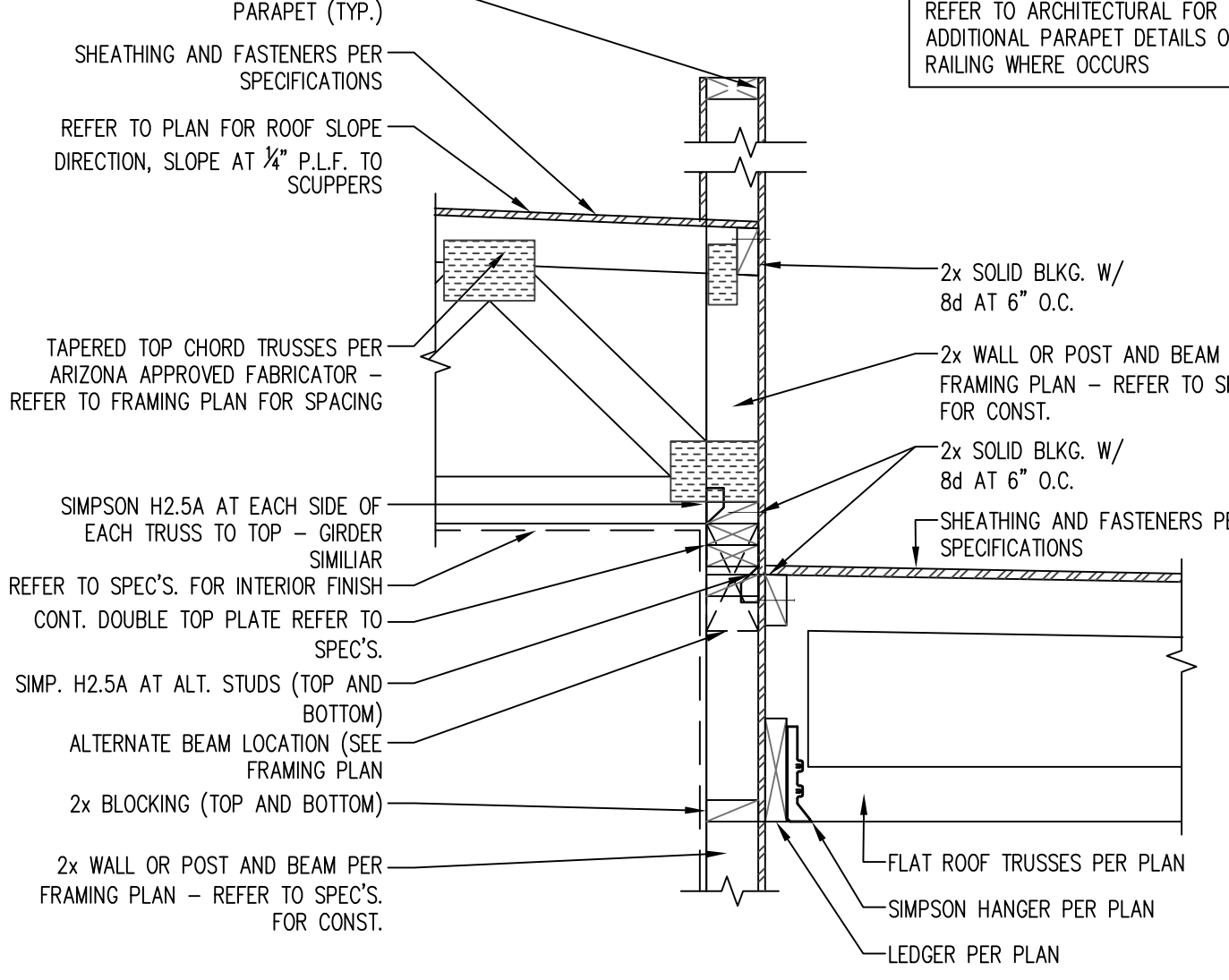
**11 HEADER CONNECTION AT WALLS**  
SCALE: 1" = 1'-0"



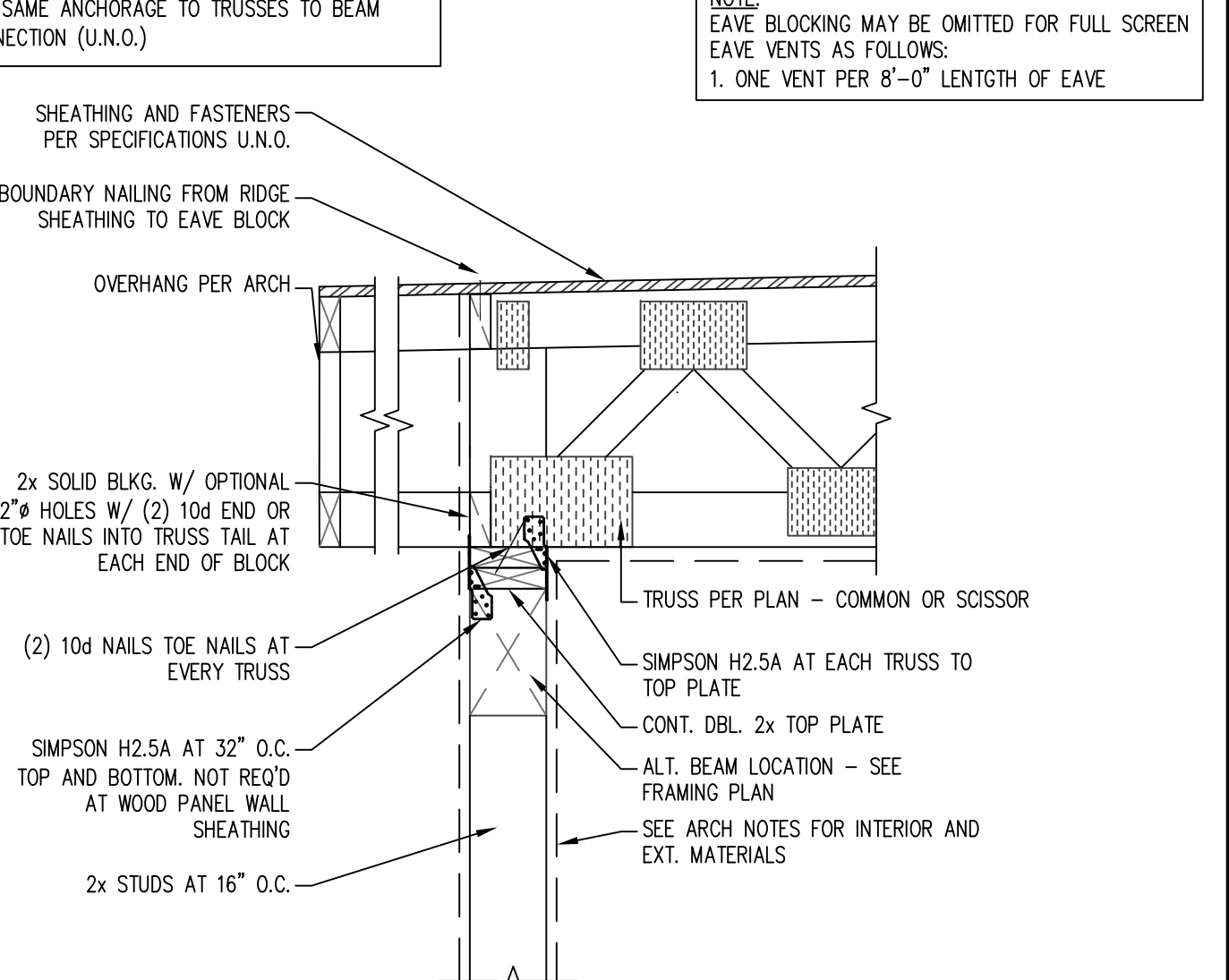
**12 TYPICAL BEAM / POST CONNECTION**  
NOT TO SCALE



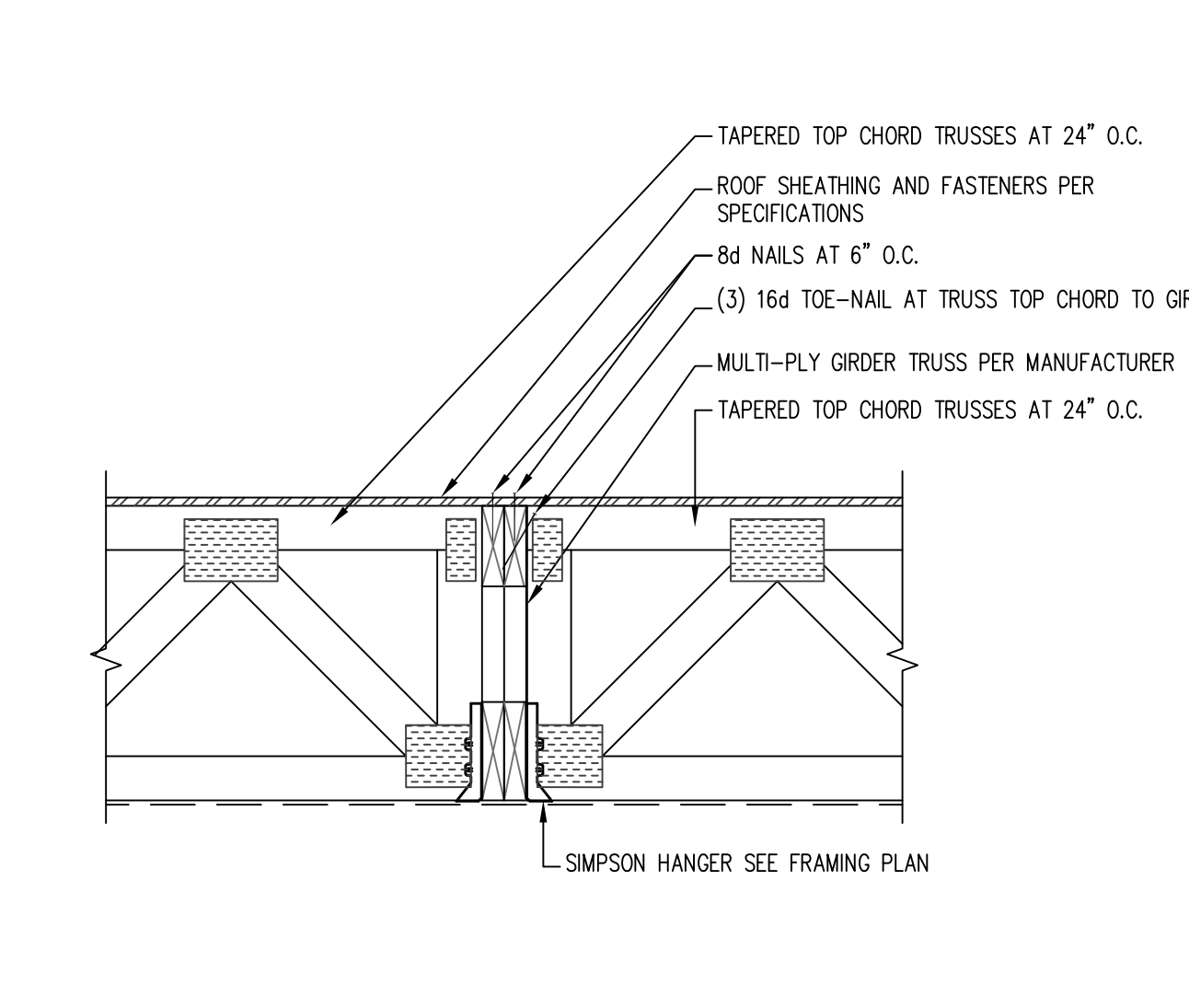
**13 CANTILEVERED BOTTOM CHORD BEARING TRUSS AT BEAM / WALL**  
SCALE: 1" = 1'-0"



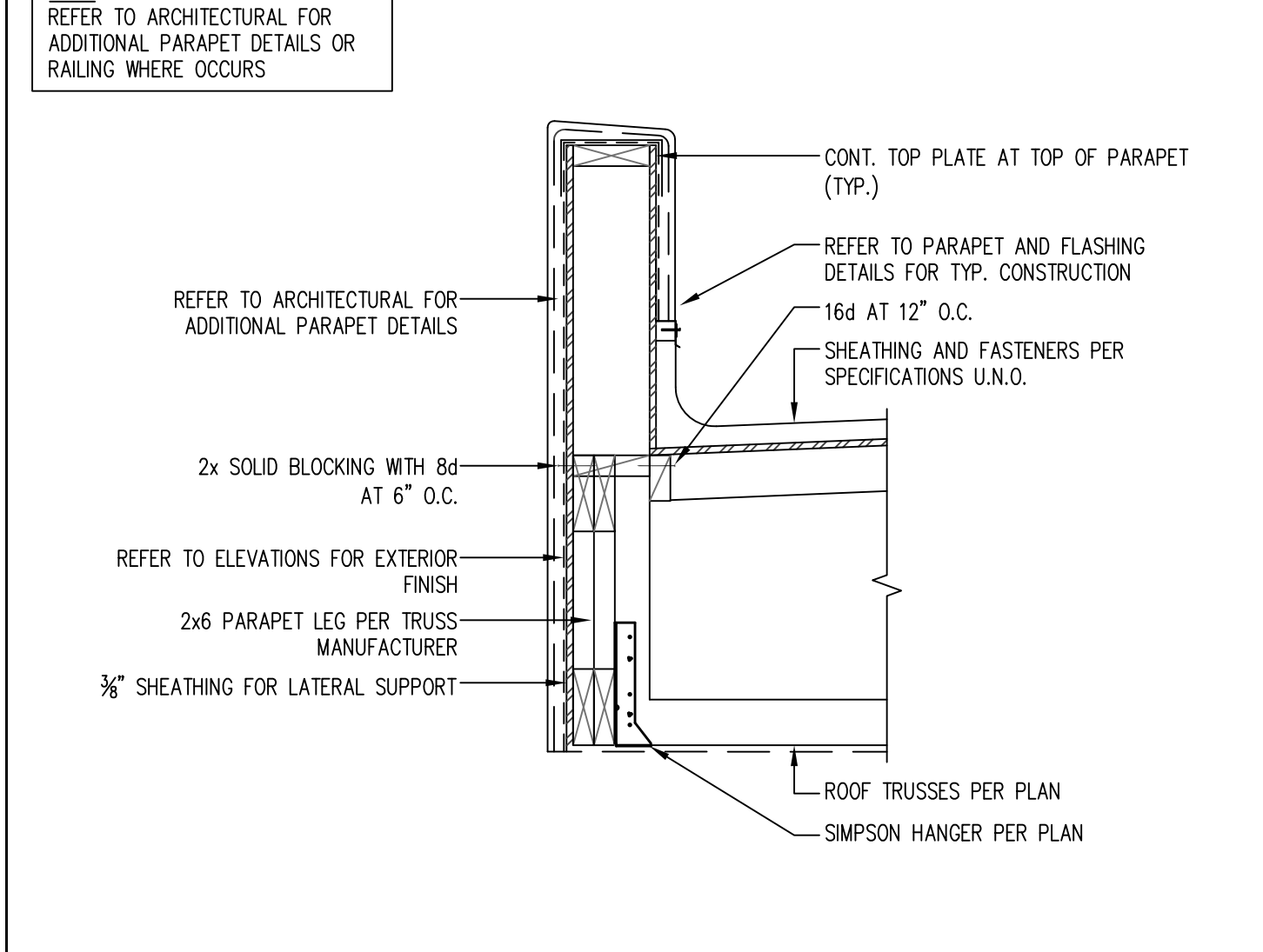
**14 PERP. HIGH TRUSS / LOW TRUSS**  
SCALE: 1" = 1'-0"



**15 TYP. TRUSS / WALL (BEAM SIMILAR)**  
SCALE: 1" = 1'-0"



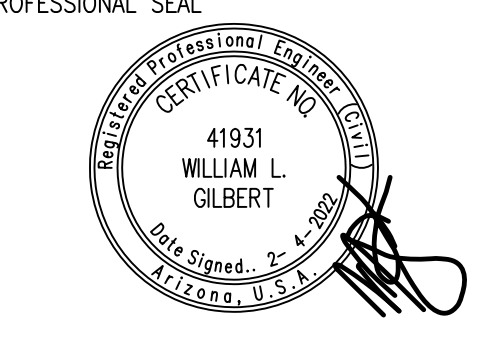
**16 ROOF TRUSSES AT GIRDER CONNECTION**  
SCALE: 1" = 1'-0"



**17 PERP. TRUSSES AT GIRDER TRUSS**  
SCALE: 1" = 1'-0"

**KASNOFF RESIDENCE**  
15546 EAST TELEGRAPH DRIVE  
FOUNTAIN HILLS, ARIZONA 85268

Gilbert Structural LLC  
2036 North Gilbert Road  
Suite 2-428  
Mesa, Arizona 85203  
Office 480-398-8144  
Fax 480-398-8166



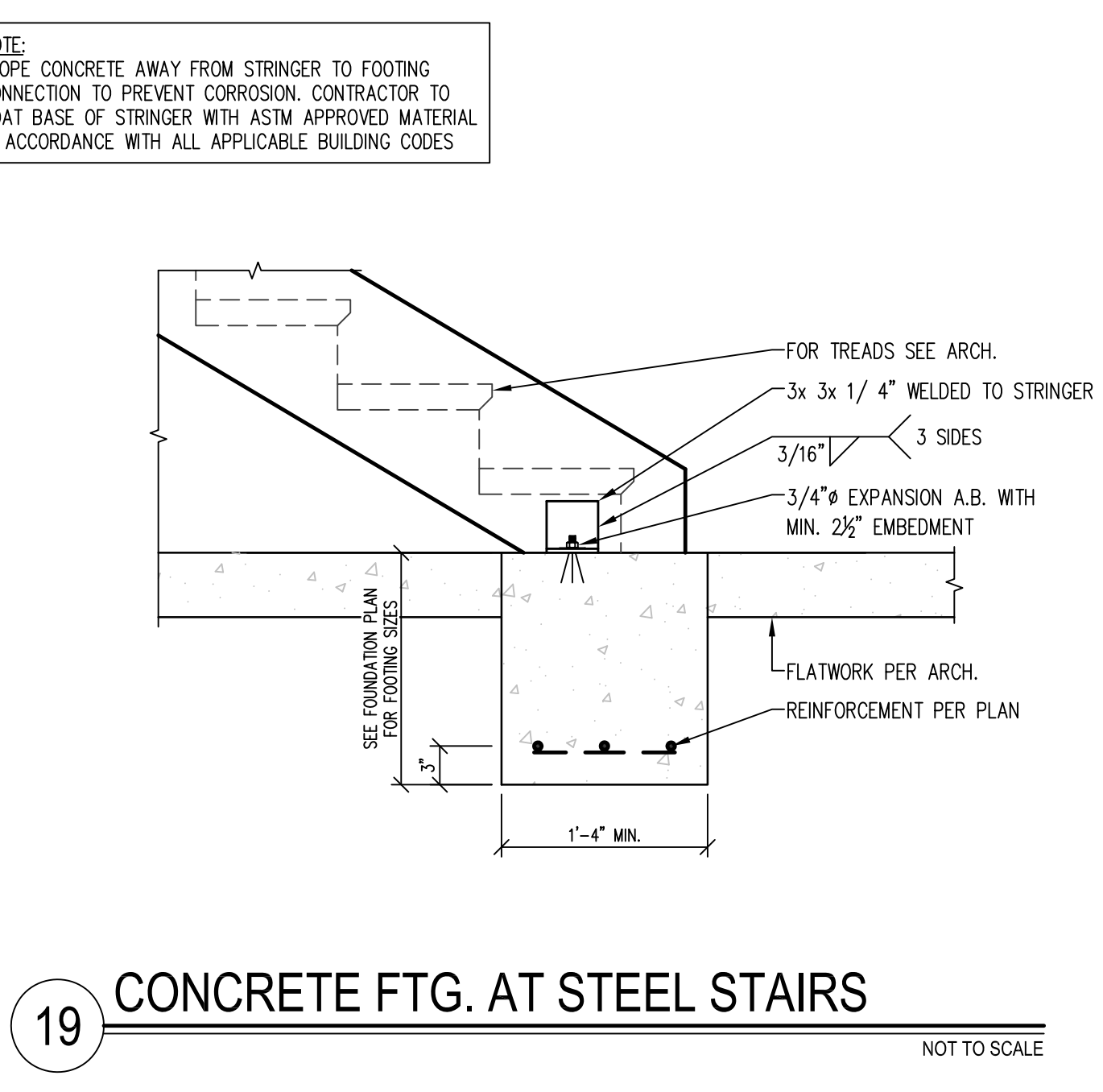
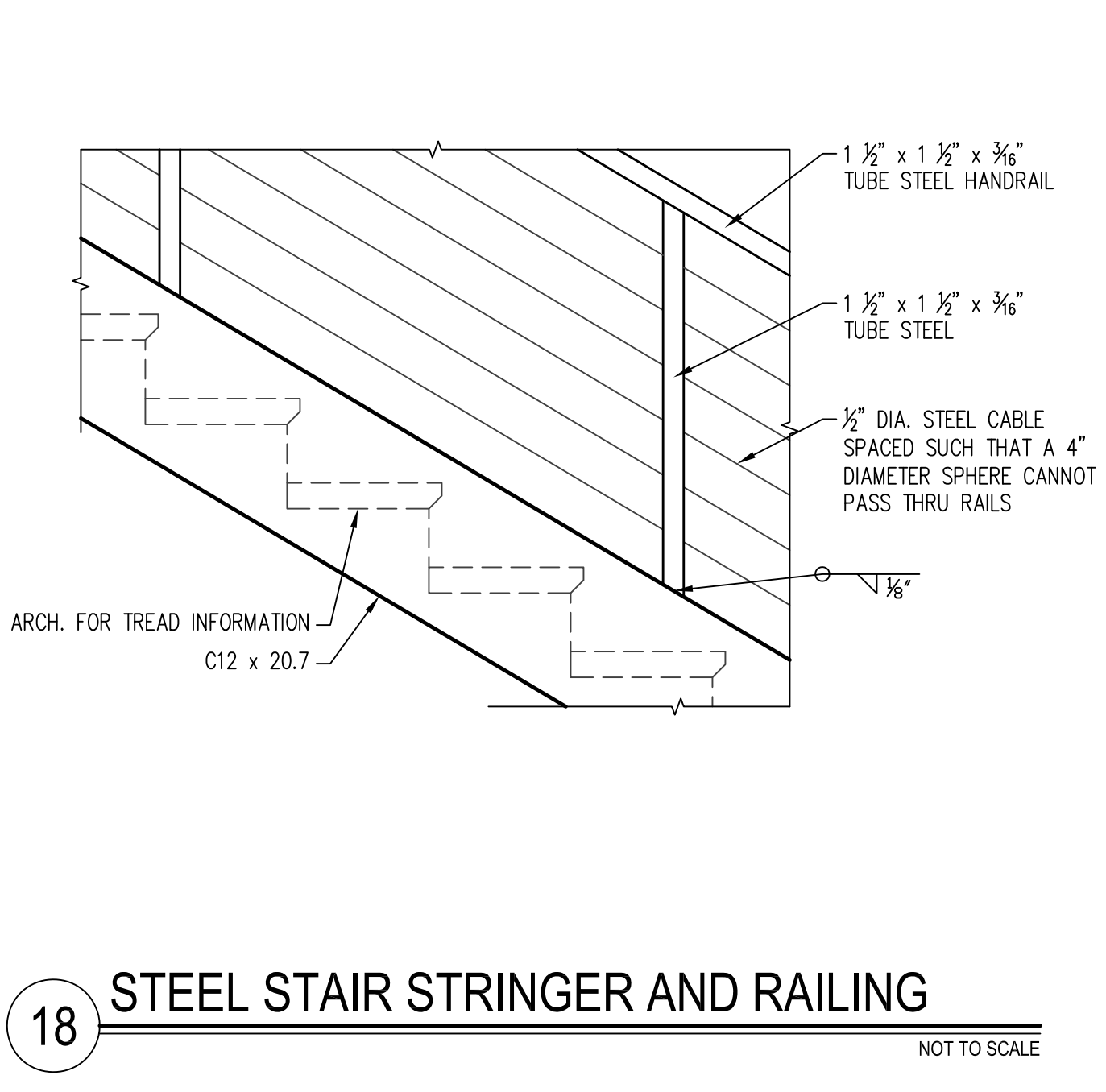
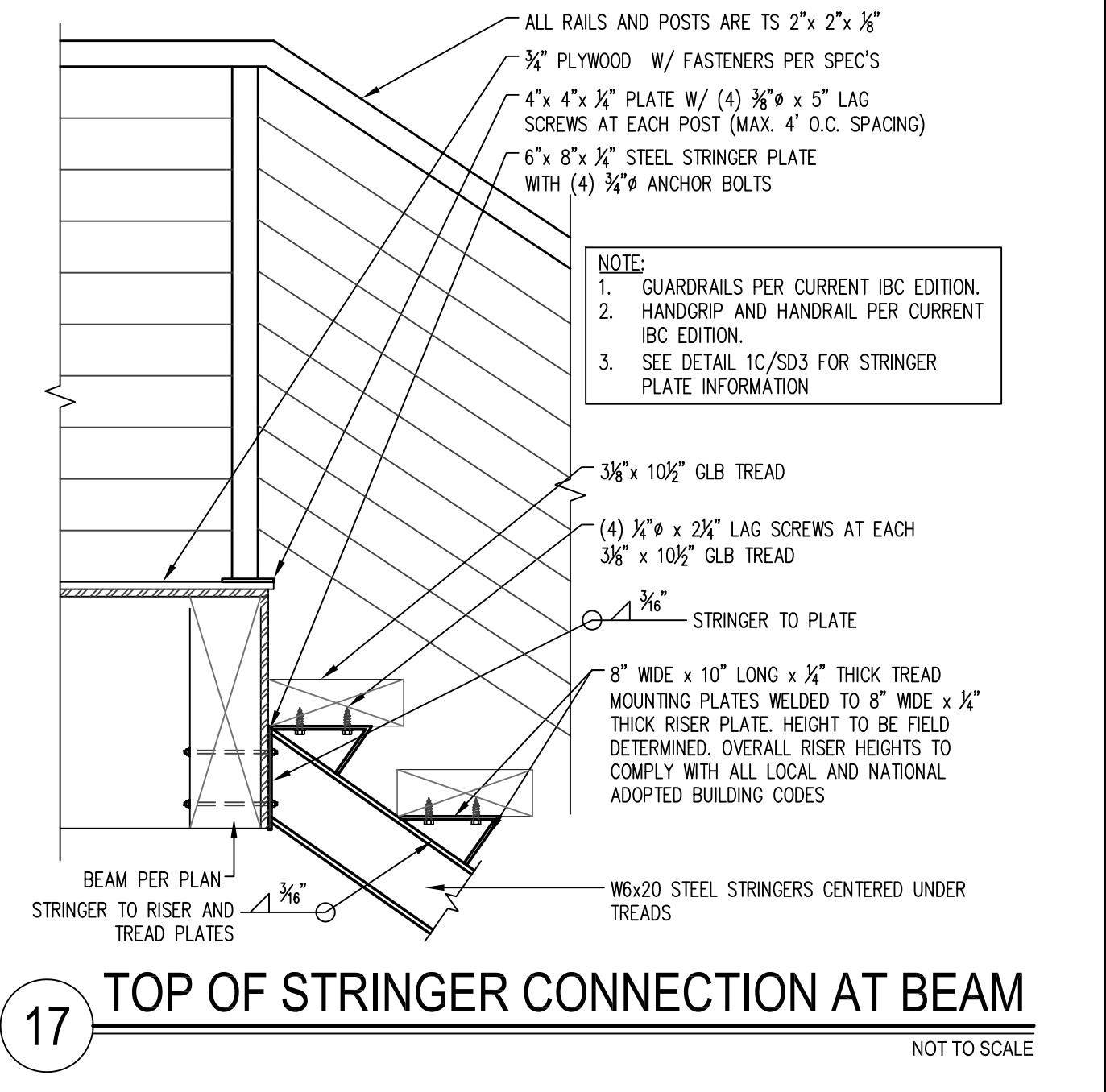
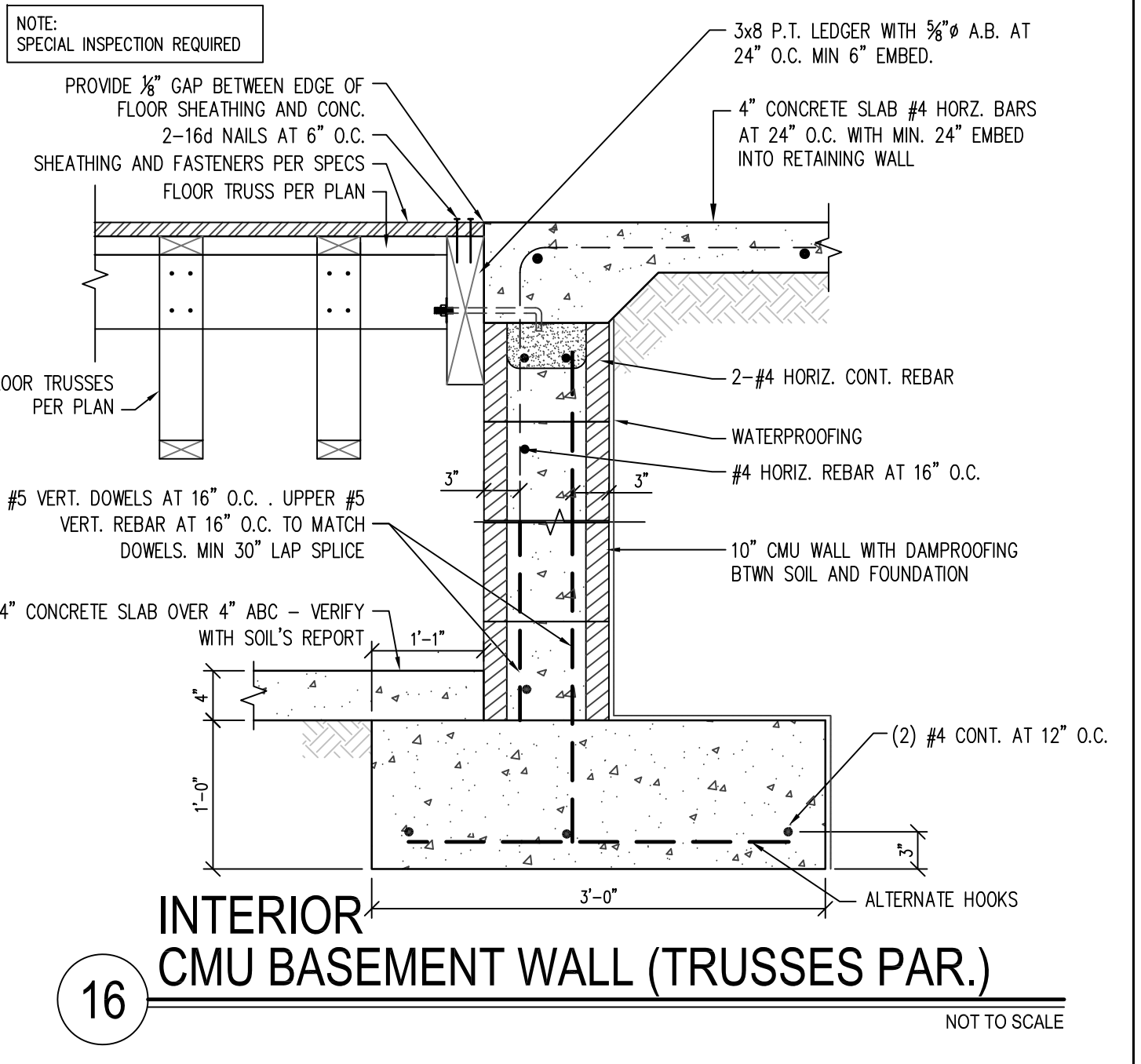
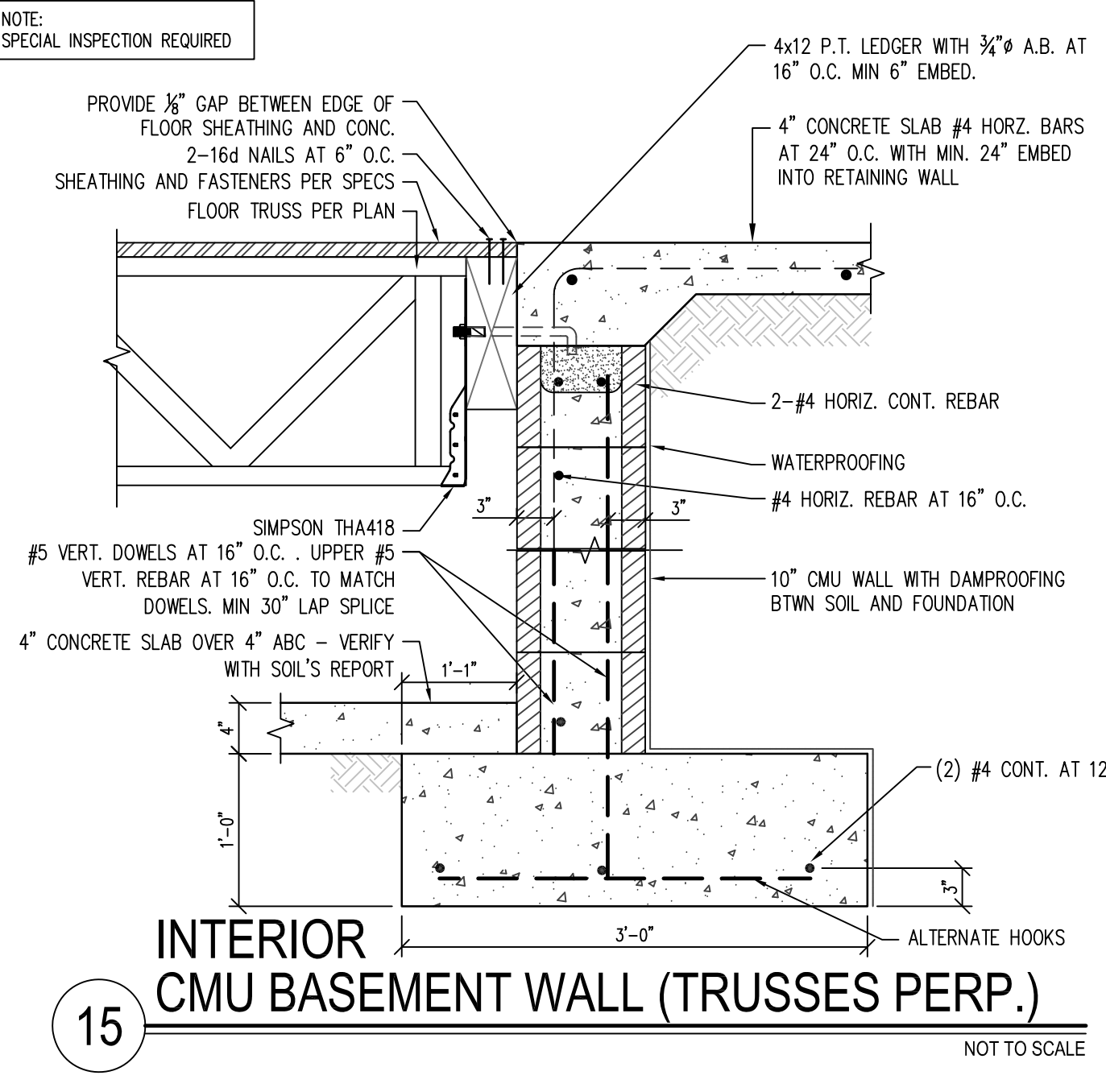
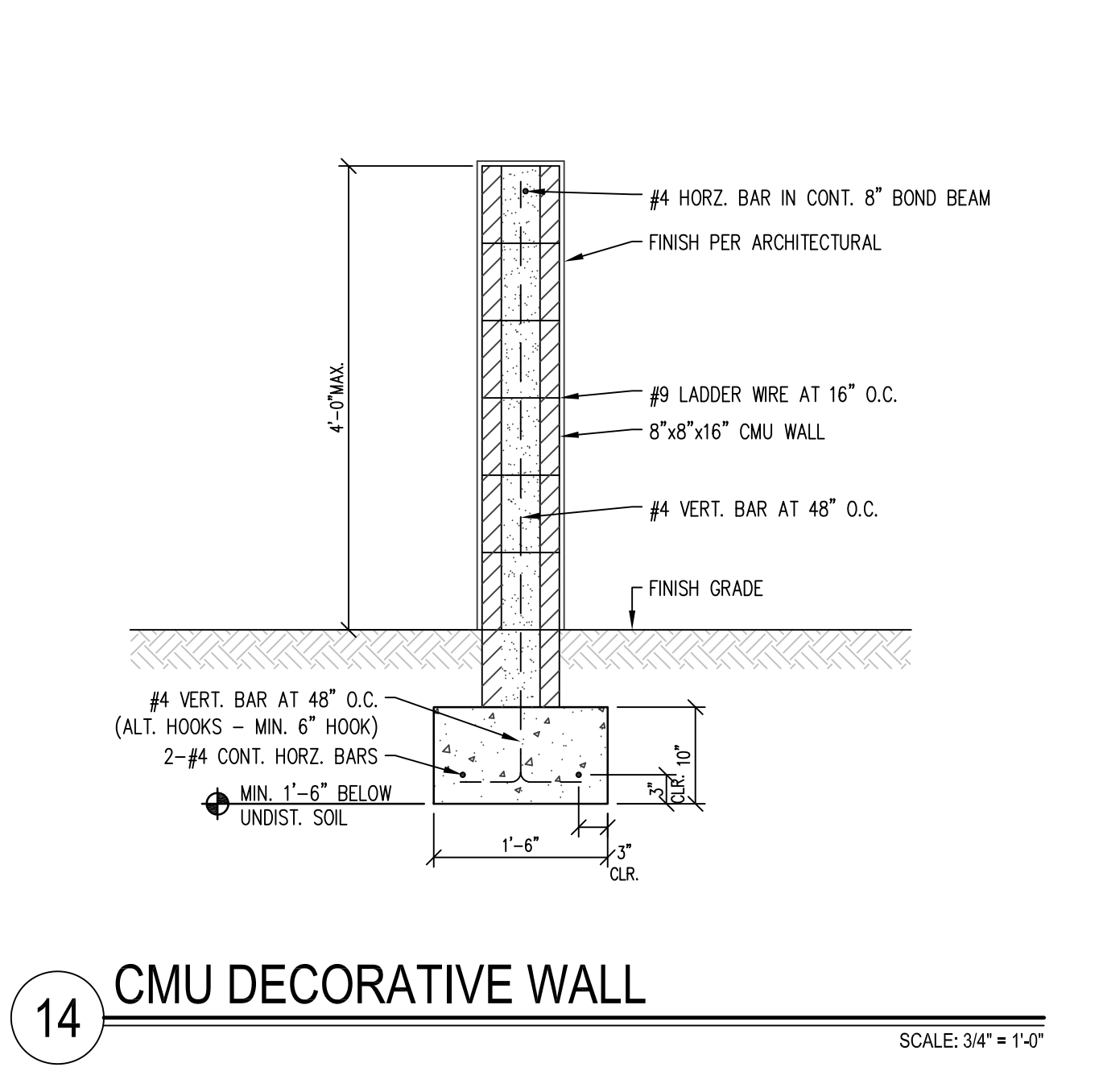
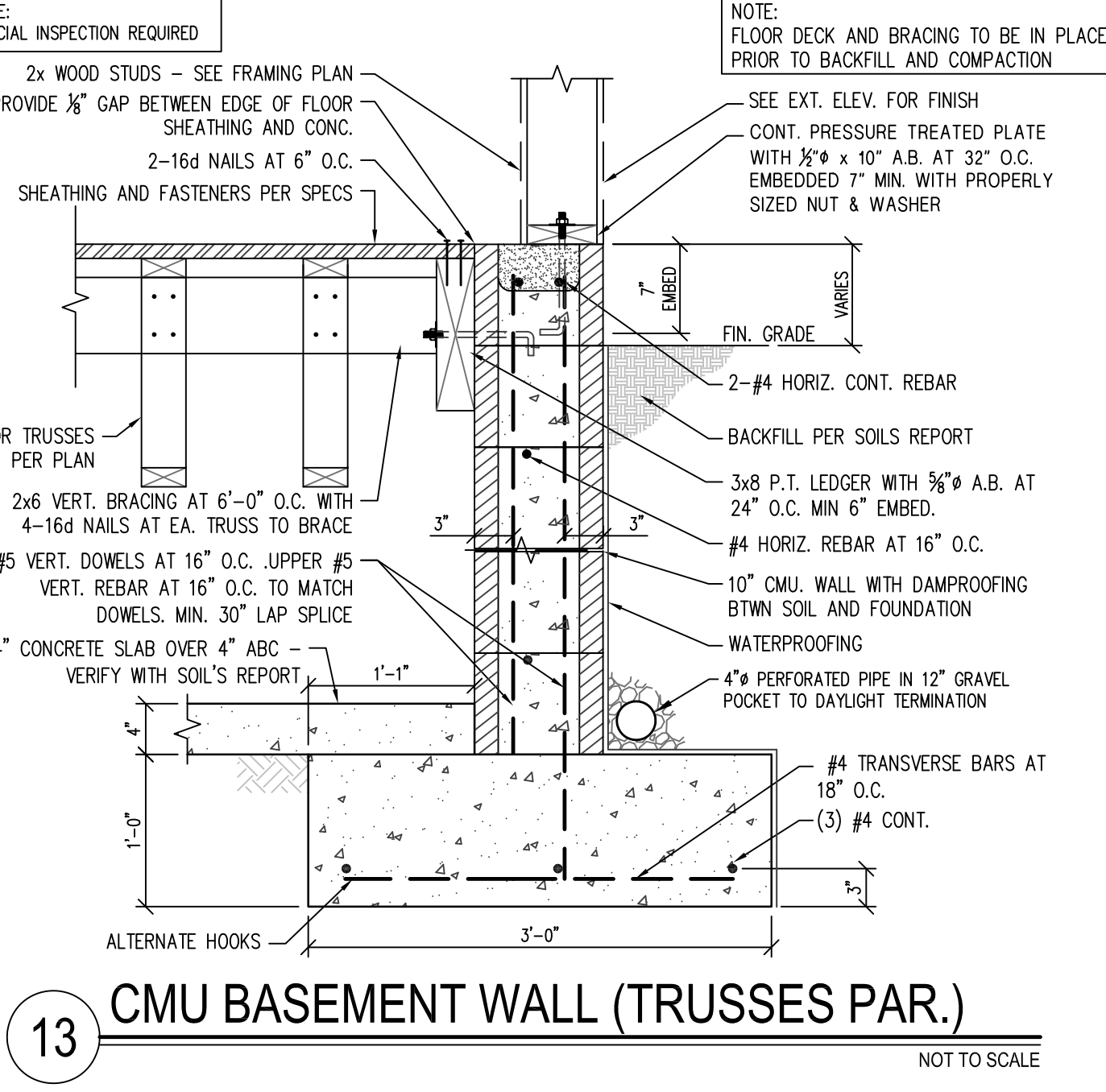
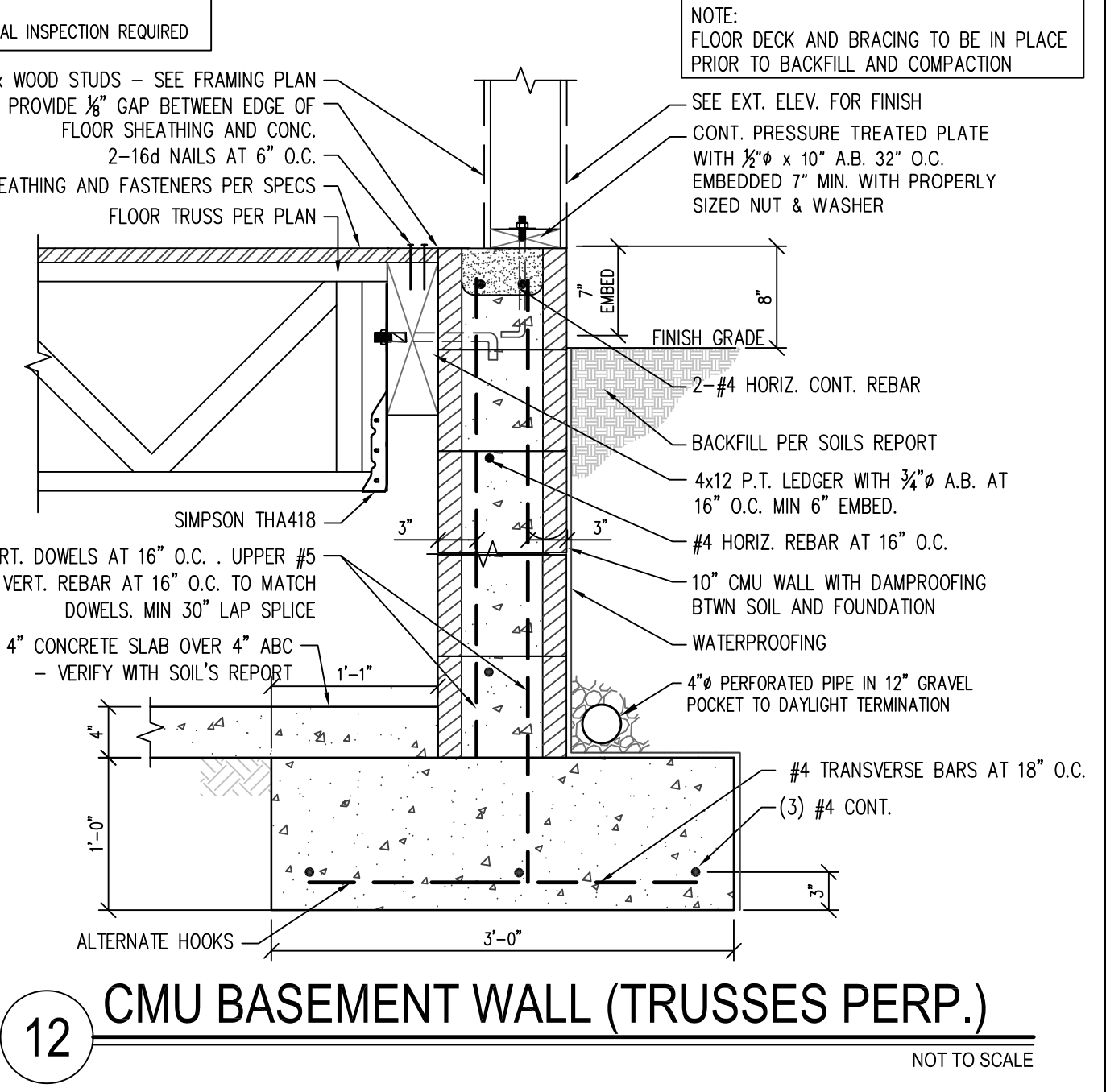
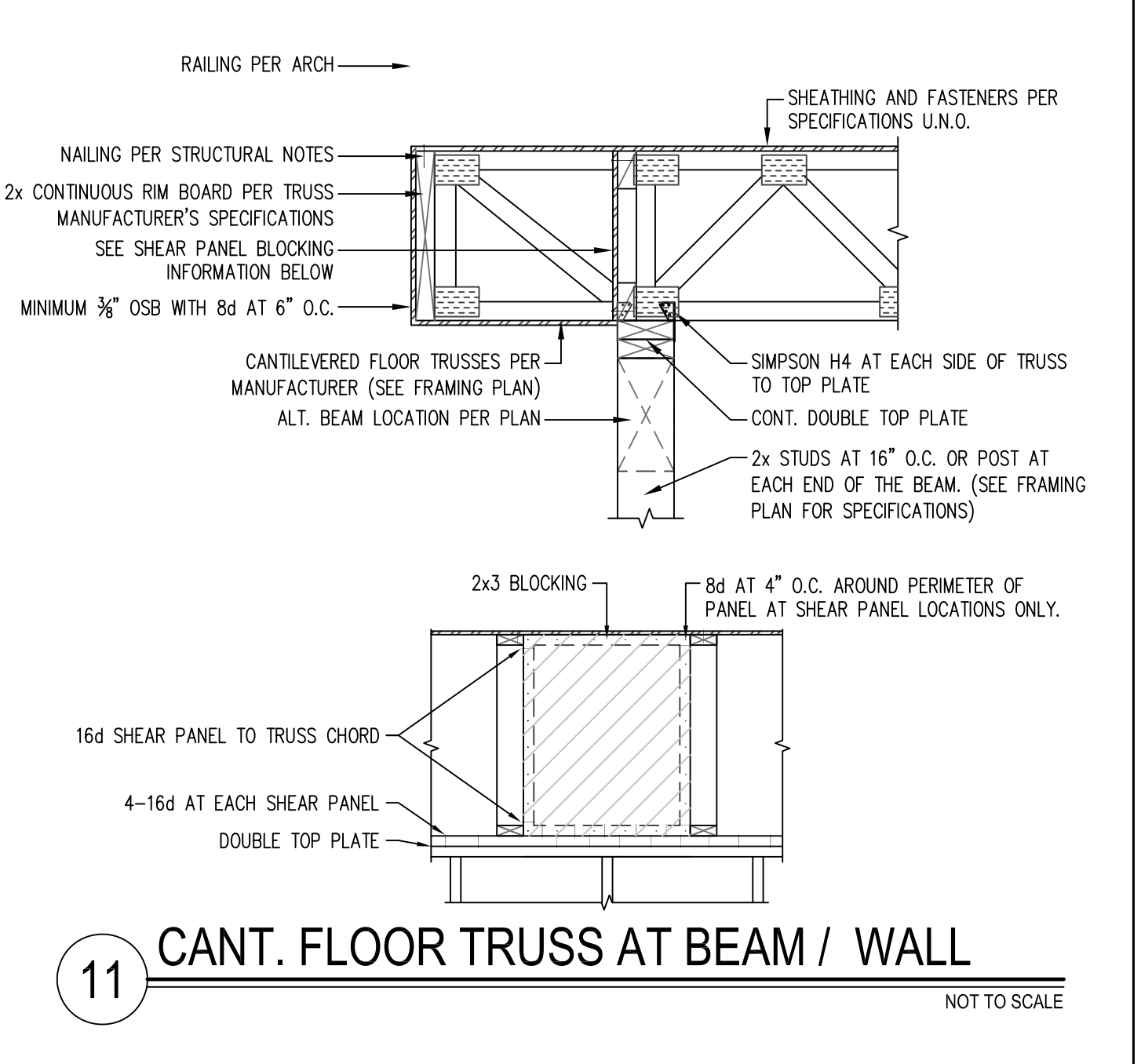
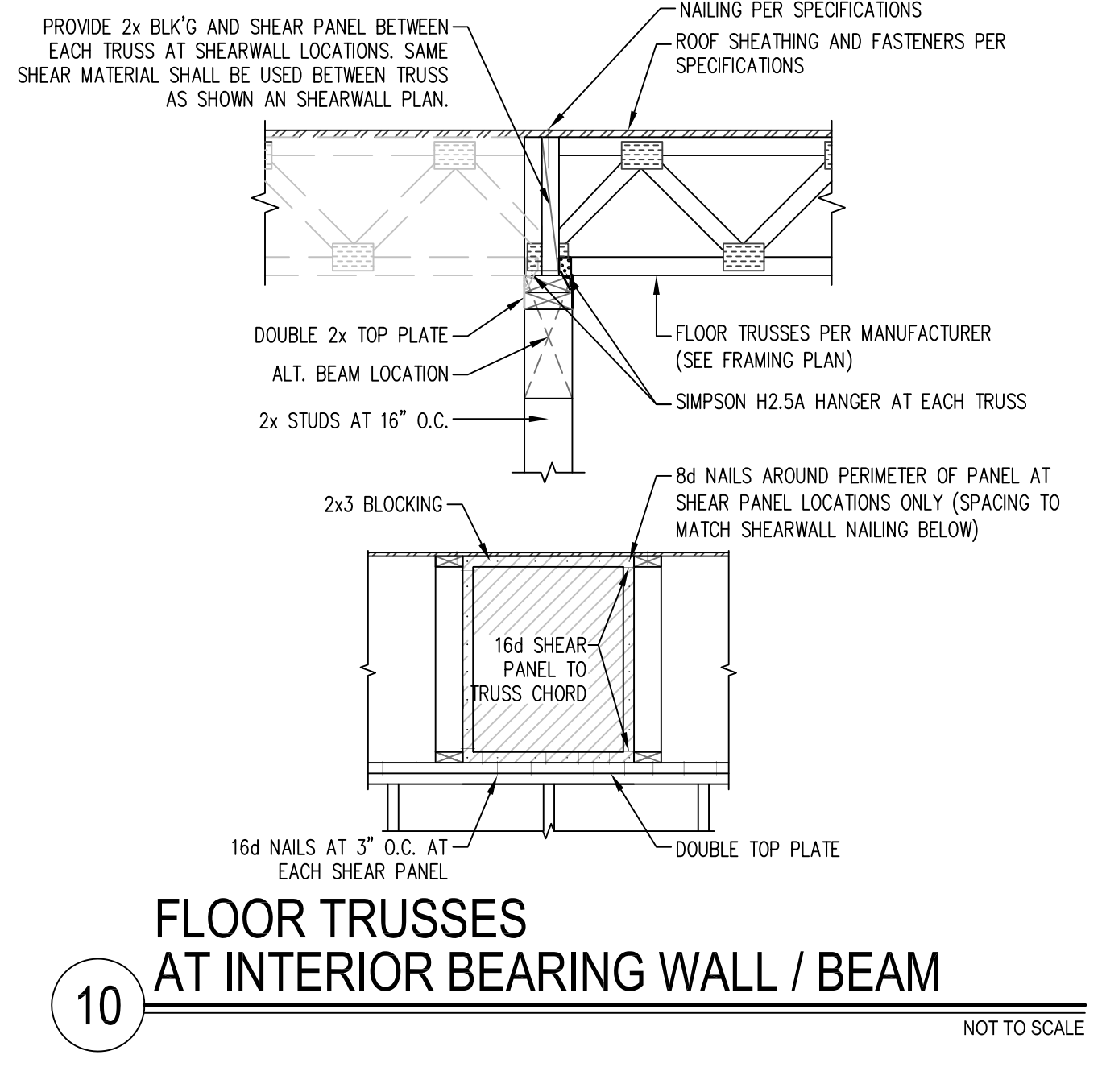
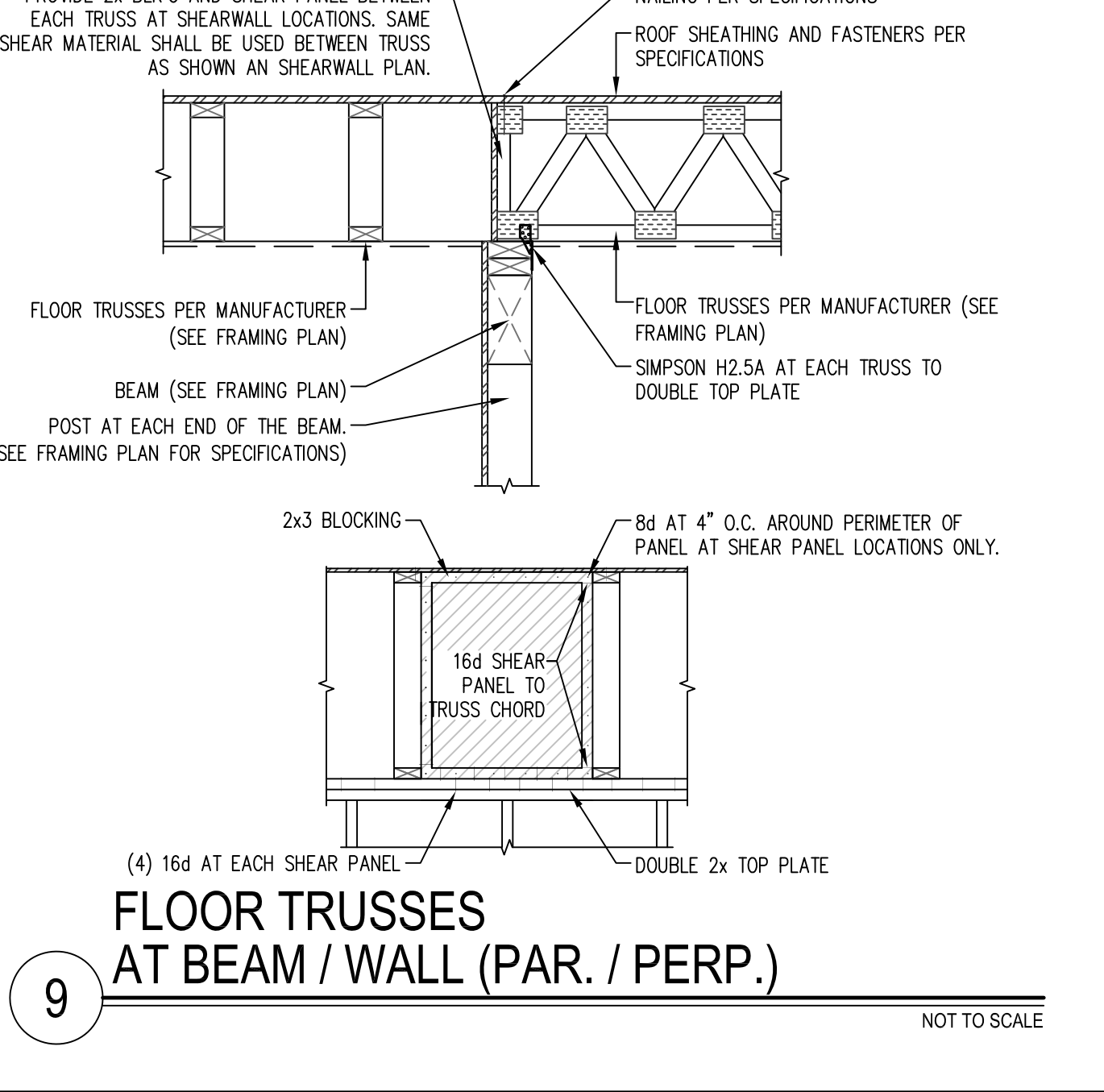
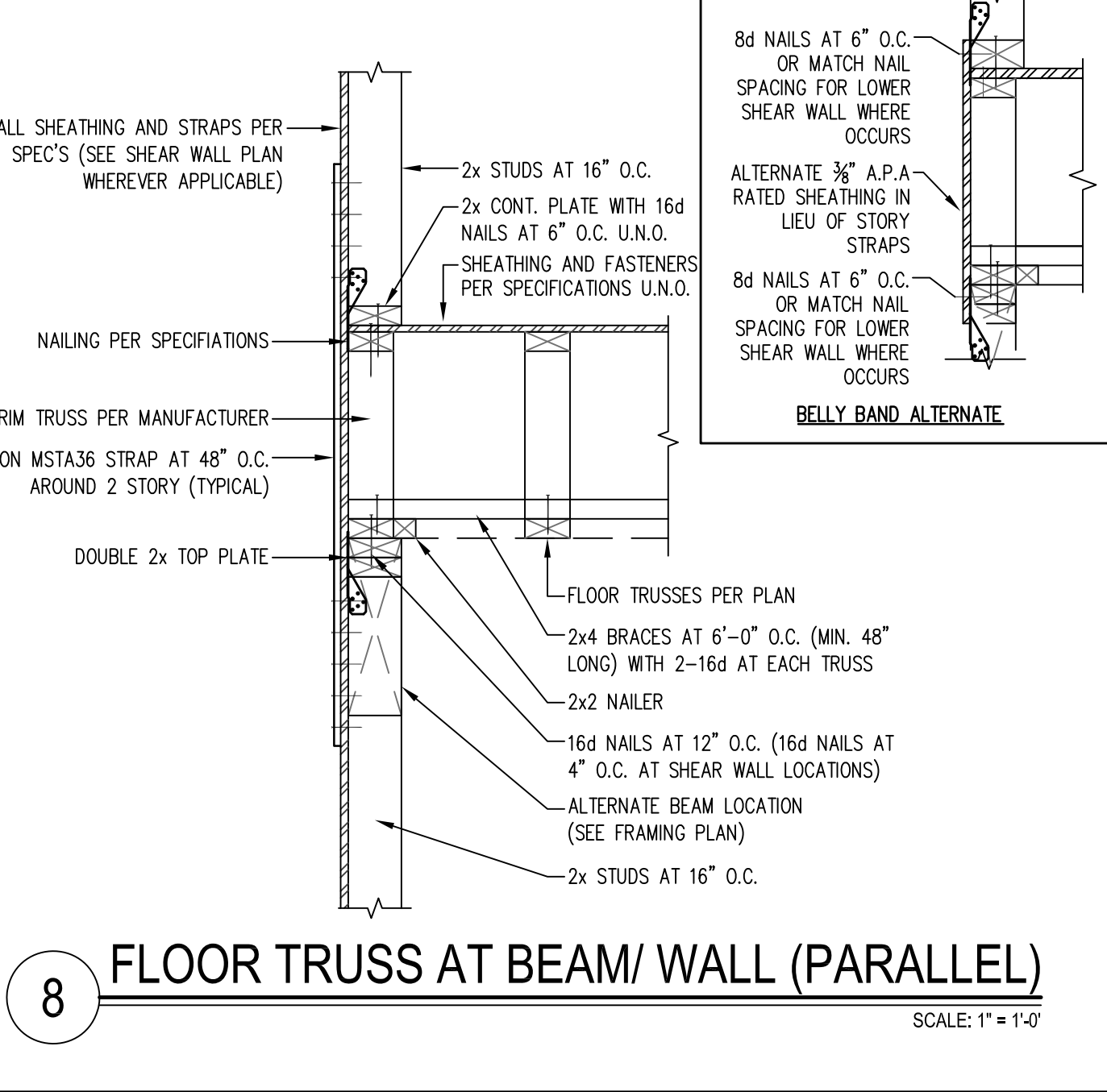
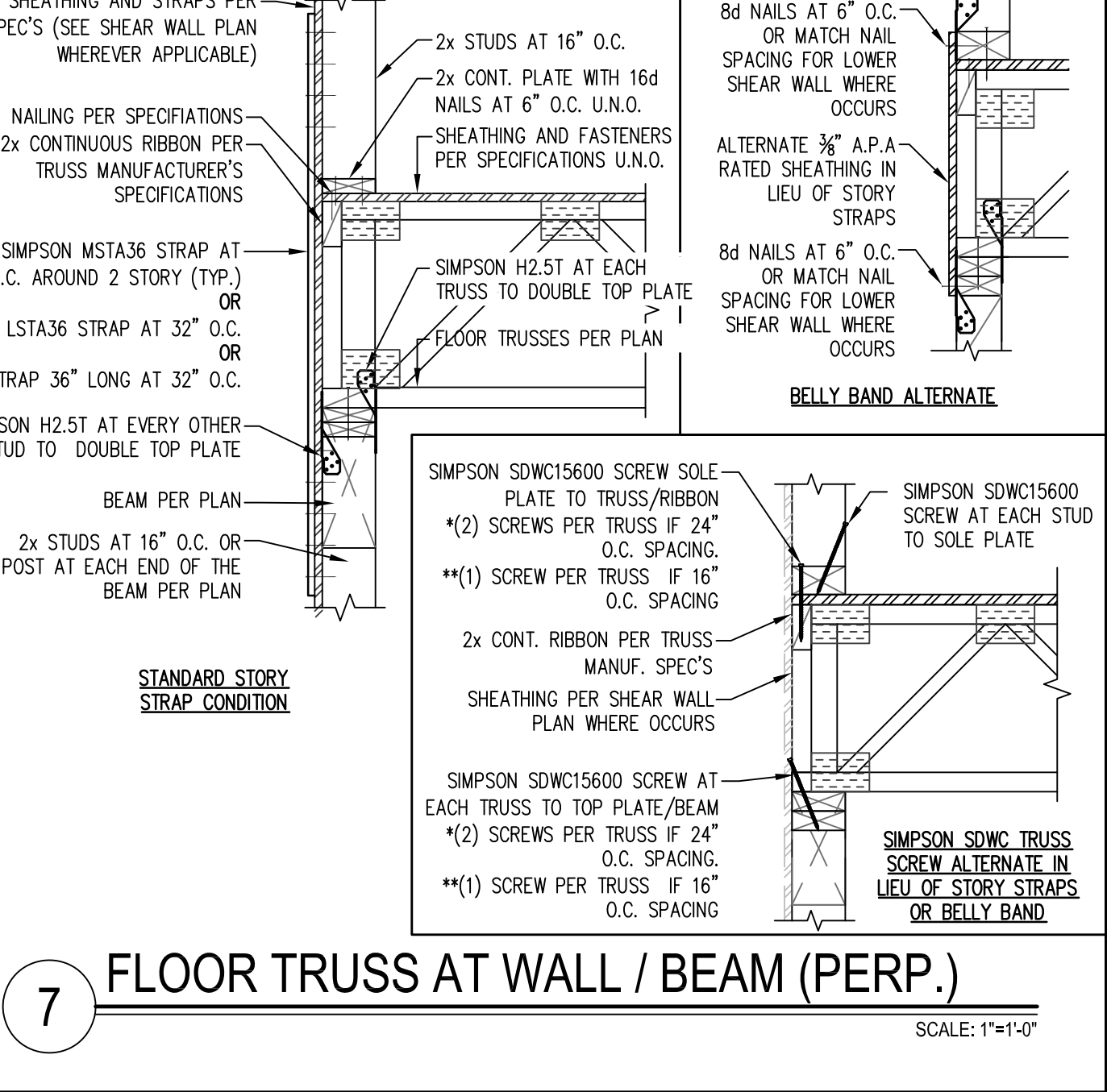
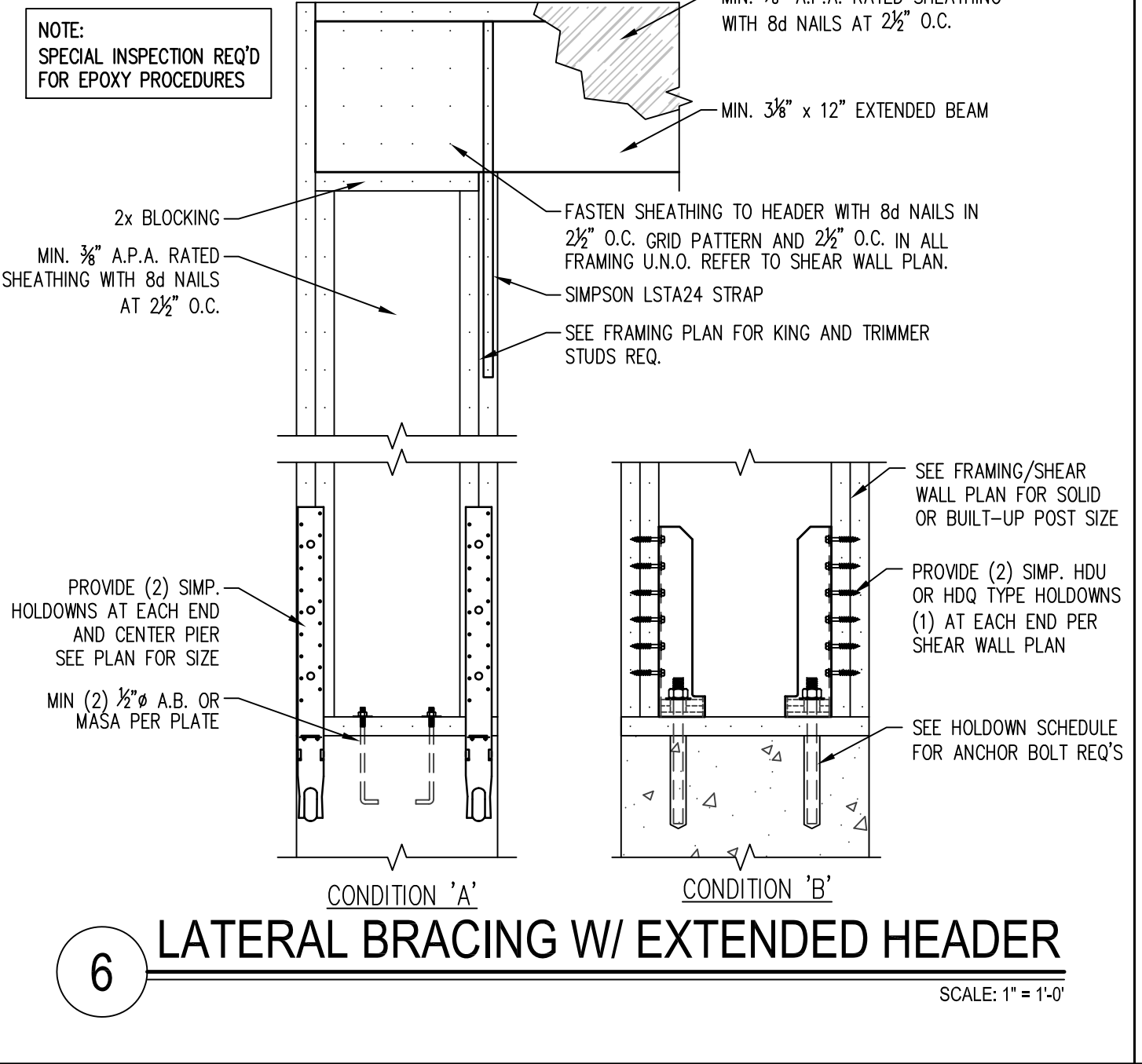
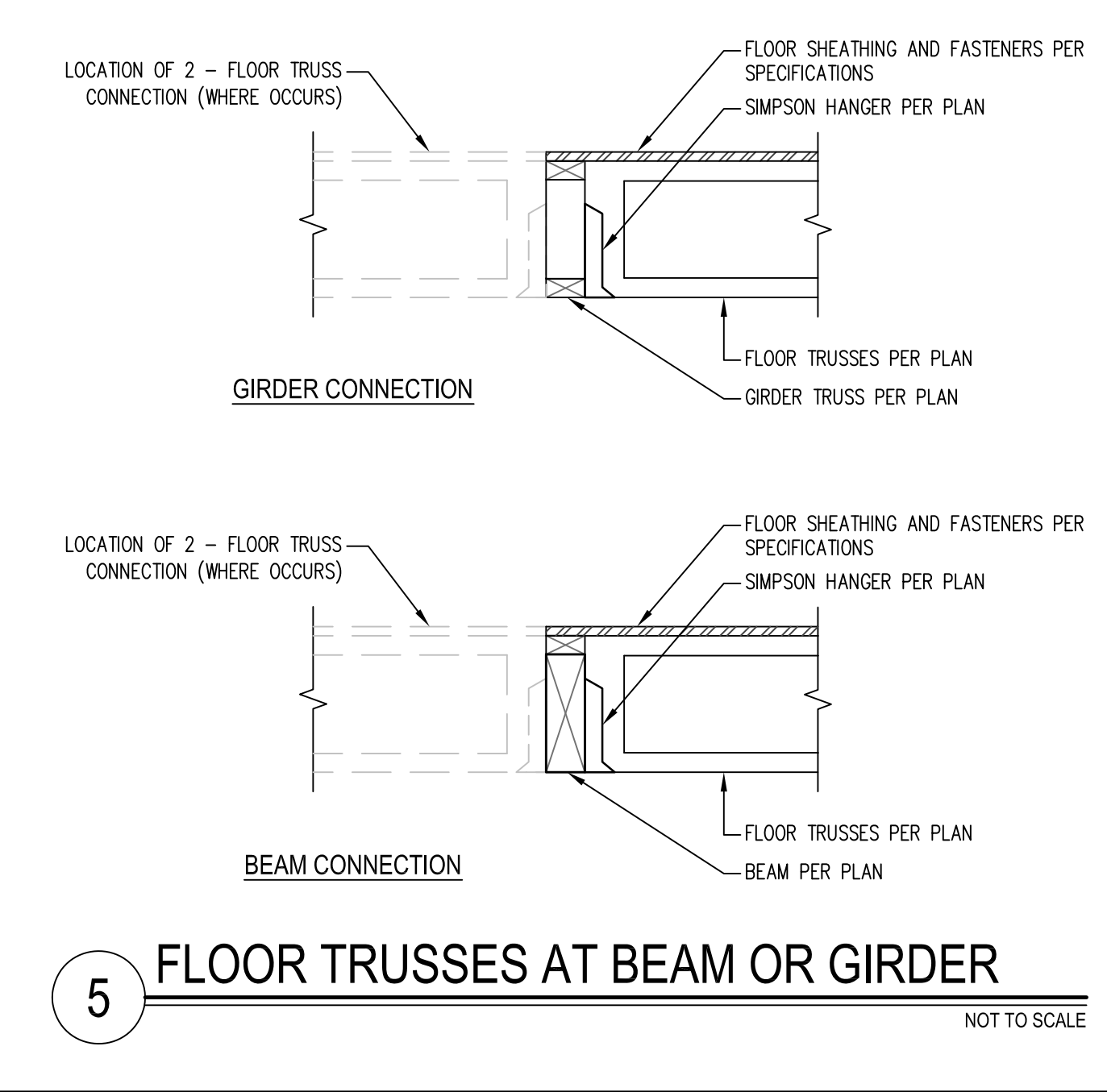
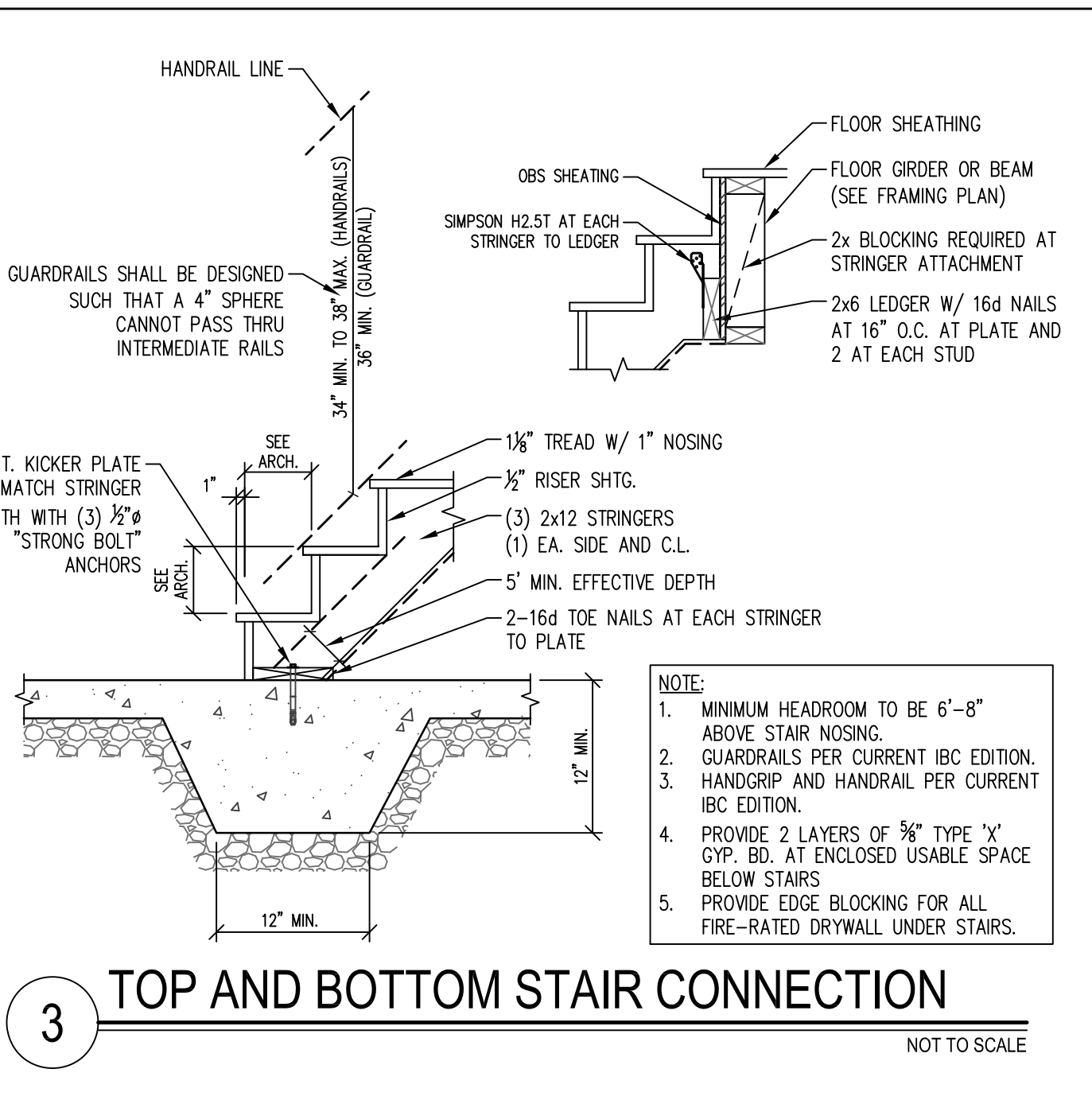
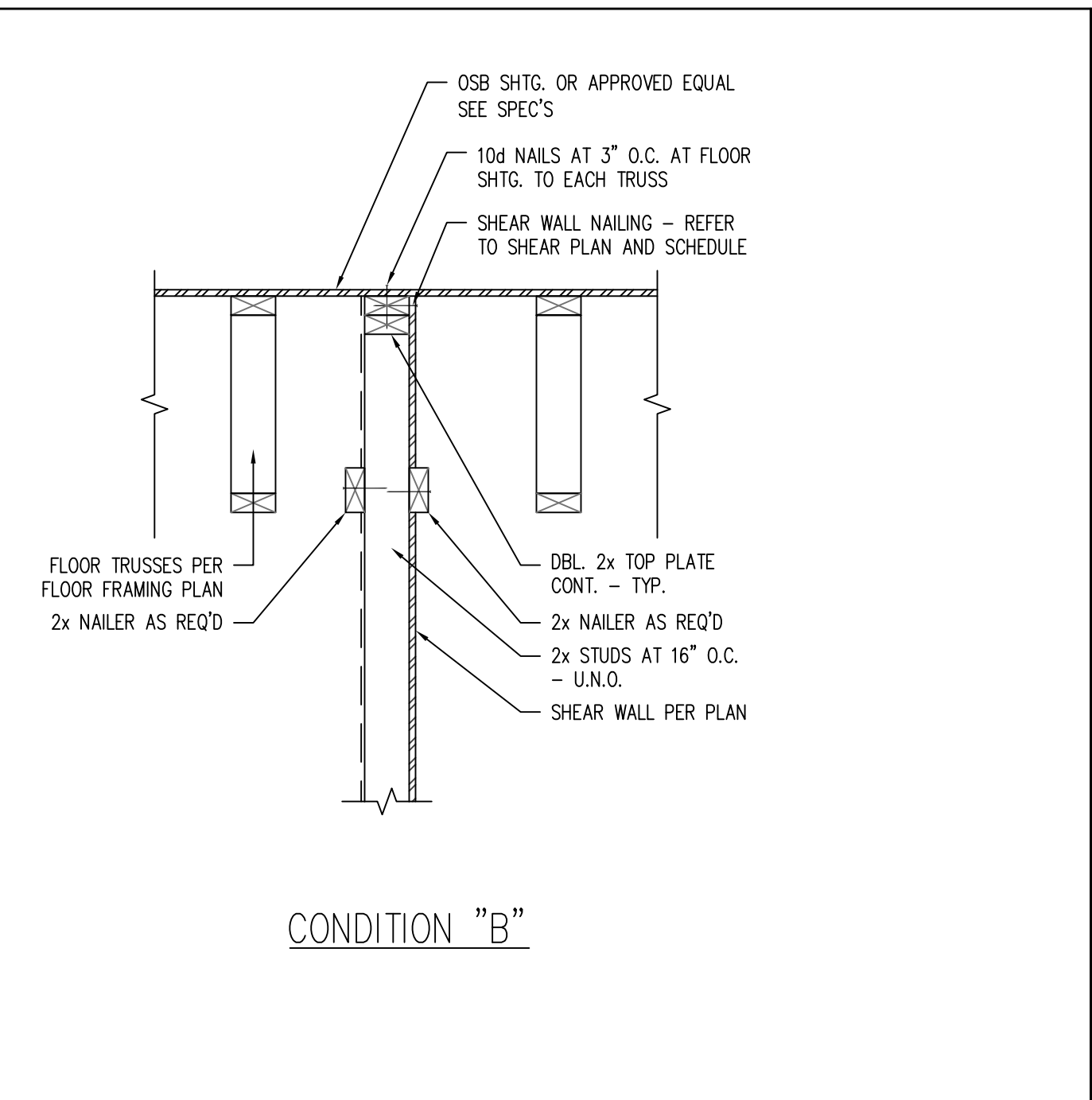
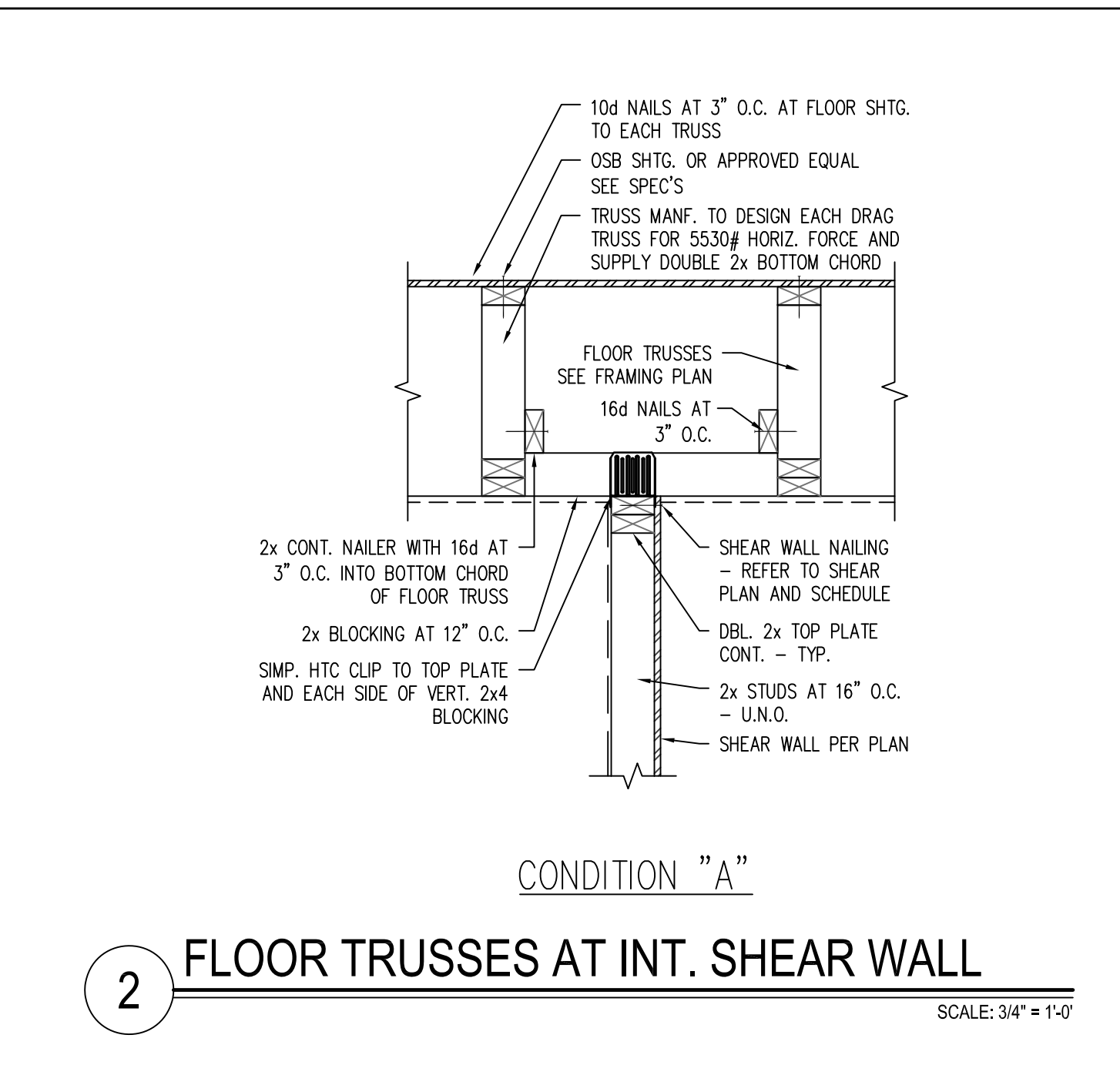
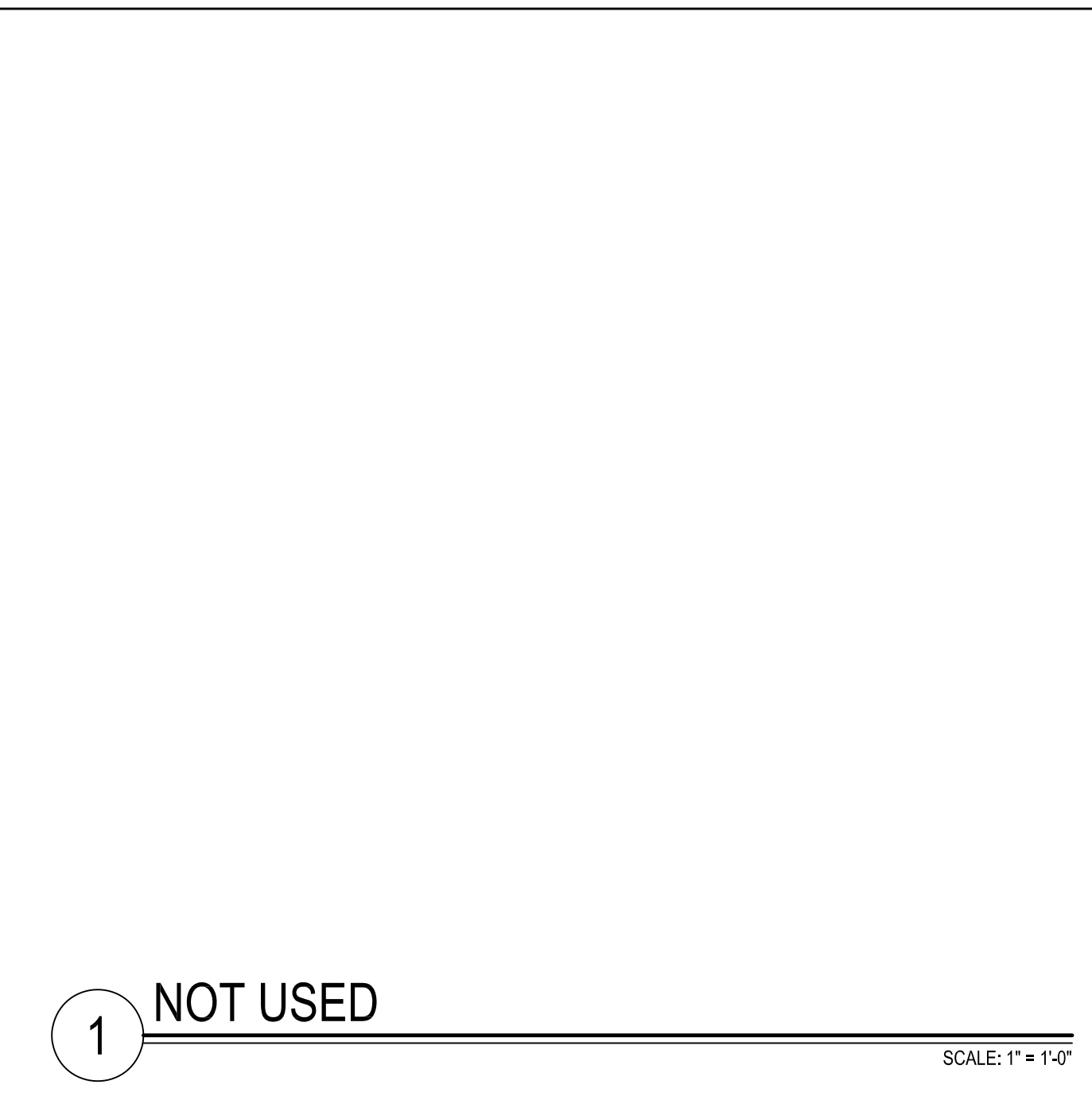
REVISIONS

1	
2	
3	
4	
5	

PROJECT NUMBER:  
DATE: 2.4.2022

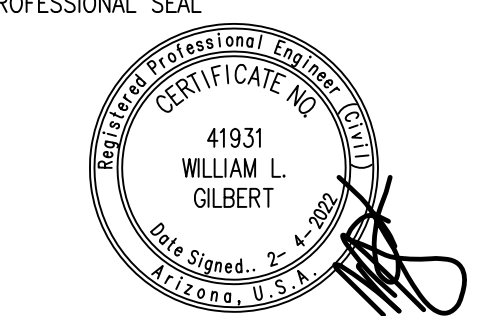
SHEET TITLE:  
**STRUCTURAL DETAILS**

SHEET NUMBER:  
**SD2**



**KASNOFF RESIDENCE**  
 15546 EAST TELEGRAPH DRIVE  
 FOUNTAIN HILLS, ARIZONA 85268

Gilbert Structural LLC  
 2036 North Gilbert Road  
 Suite 2-428  
 Mesa, Arizona 85203  
 Office 480-398-8144  
 Fax 480-398-8166



REVISIONS:  
 1. [Symbol] [Description]  
 2. [Symbol] [Description]  
 3. [Symbol] [Description]  
 4. [Symbol] [Description]  
 5. [Symbol] [Description]

PROJECT NUMBER:  
 DATE: 2.4.2022

SHEET TITLE:  
**STRUCTURAL DETAILS**  
 SHEET NUMBER:  
**SD3**