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DAKOTA HOMES - CARLA

RIVERTON

UTAH

ARCHITECT

KEN HARRIS ARCHITECT
PROVO UTAH

STRUCTURAL ENGINEER

ACUTE ENGINEERING
OREM UTAH

GENERAL CONTRACTOR

DAKOTA HOMES
SANDY, UTAH

ARCHITECTURAL

- A1 - SITE PLAN
- A2 - BASEMENT FLOOR PLAN
- A3 - MAIN FLOOR PLAN
- A4 - FRONT ELEVATION
- A5 - LEFT SIDE ELEVATION
- A6 - REAR ELEVATION
- A7 - RIGHT SIDE ELEVATION
- A8 - CROSS SECTION
- A9 - ROOF PLAN
- A10 - GENERAL NOTES

STRUCTURAL

- S1 - FOOTING & FOUNDATION PLAN
- S2 - MAIN FLOOR FRAMING PLAN
- S3 - ROOF FRAMING PLAN
- S4 - STRUCTURAL DETAILS
- S5 - STRUCTURAL DETAILS
- S6 - STRUCTURAL NOTES

ELECTRICAL

- E1 - BASEMENT FLOOR ELECTRICAL
- E2 - MAIN FLOOR ELECTRICAL

KEN HARRIS ARCHITECT
3520 NORTH UNIVERSITY AVENUE SUITE #200 PROVO UT 84604 PHONE 801 377 6303

DAKOTA HOMES - CARLA

RIVERTON

UTAH

TITLE SHEET

DRAWN
JLH

CHECKED
KBH

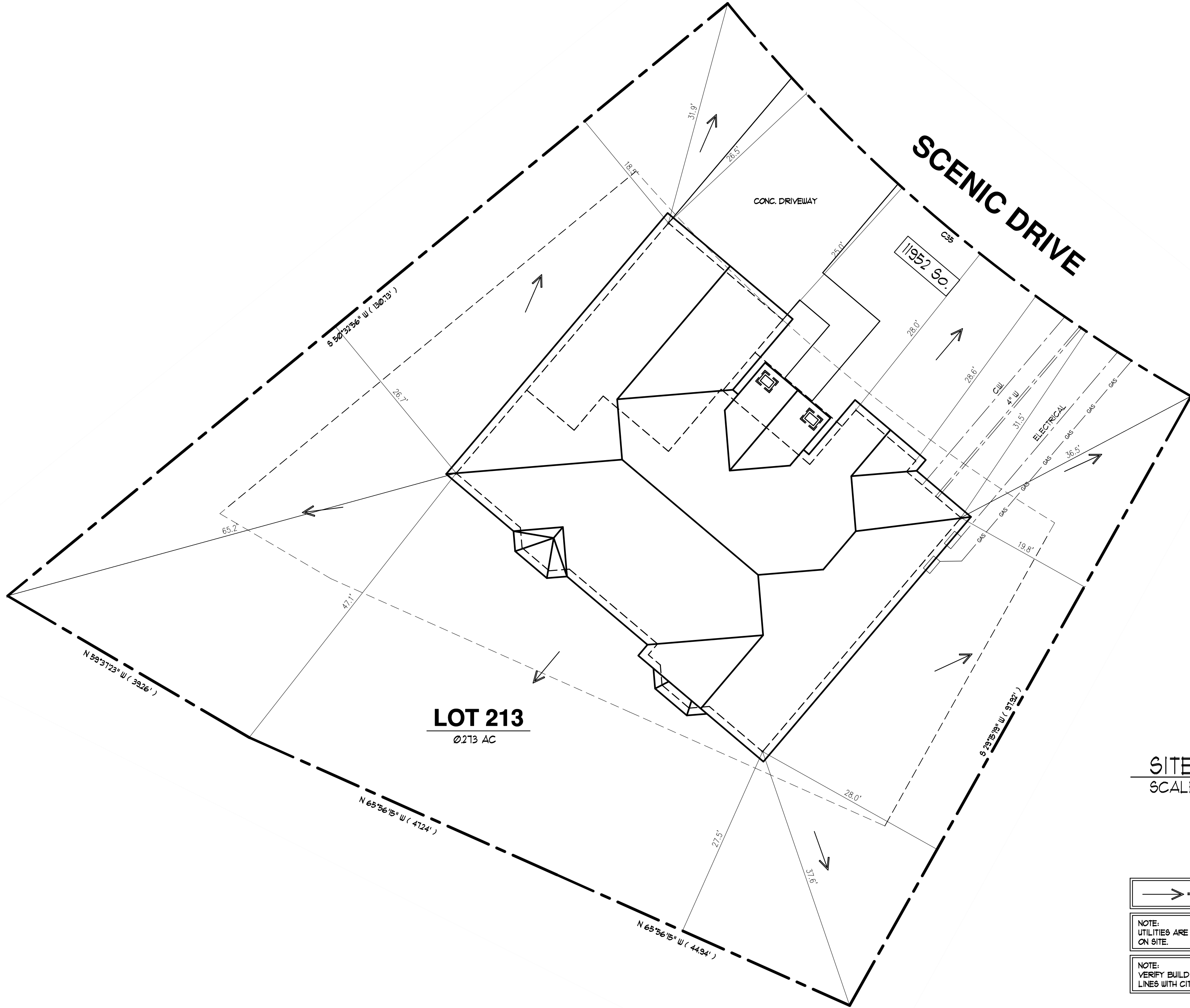
DATE
DECEMBER 2010

PLOTTED
12-20-2010

SCALE
SEE PLAN

SHEET

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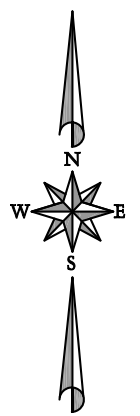
LOT 213
0.213 AC

SCENIC DRIVE

CONC. DRIVEWAY

11952 So.

SITE PLAN
SCALE: 1" = 10'



→ SLOPE GRADE AWAY FROM RESIDENCE 2% FOR A MIN. OF 12'-0"

NOTE: UTILITIES ARE SCHEMATIC ONLY. VERIFY LOCATIONS ON SITE.

NOTE: VERIFY BUILDING SETBACKS AND ALL PROPERTY LINES WITH CITY RECORDED / APPROVED PLAT MAP

FOR USE ON LOT 213 OF SCENIC COVE
11952 So. SCENIC ACERS DRIVE



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DAKOTA HOMES - CARLA

UTAH

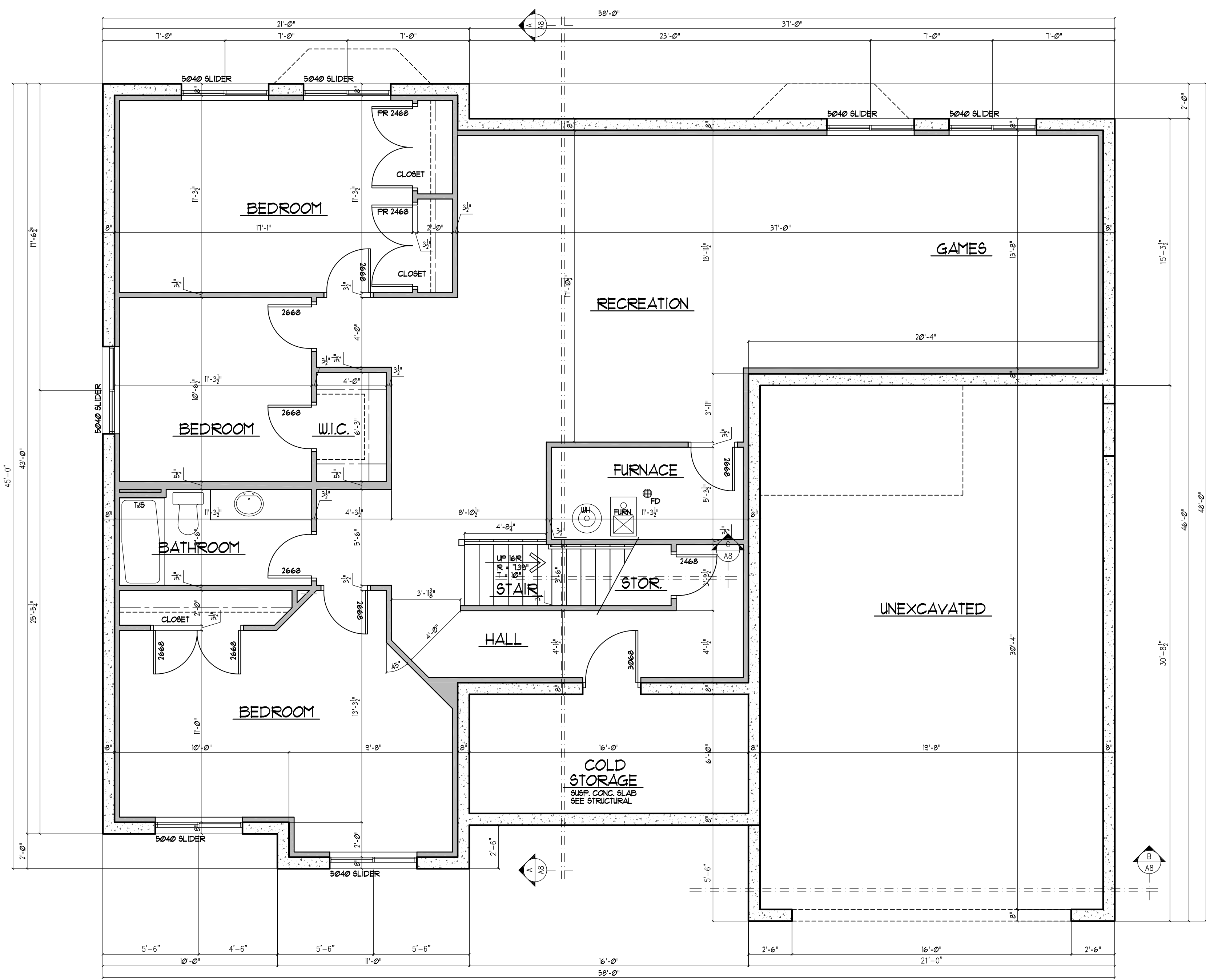
SITE PLAN

RIVERTON

DRAWN
JLH
CHECKED
KBH
DATE
DECEMBER 2010
PLOTTED
12-20-2010
SCALE
SEE PLAN
SHEET

A1

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BASEMENT FLOOR PLAN

SCALE: 1/4" = 1'-0" BASEMENT - 1,106 SF
 COLD STORAGE - 125 SF

KEN FARRIS & ARCHITECT
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UTAH
DAKOTA HOMES - CARLA
RIVERTON
BASEMENT FLOOR PLAN

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DATE	DECEMBER 2010
PLOTTED	12-20-2010
SCALE	SEE PLAN
SHEET	A2

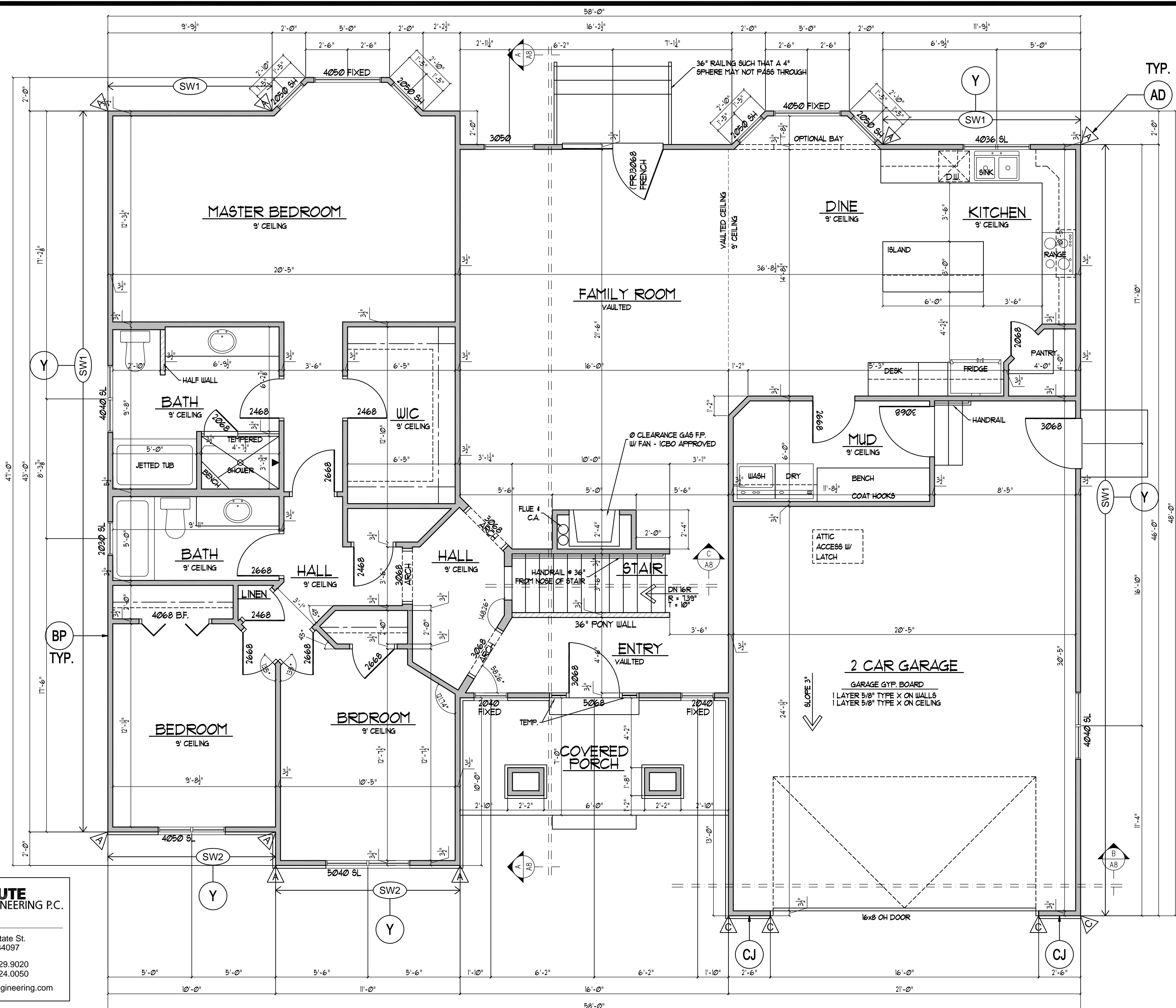
FOR USE ON LOT 213 OF SCENIC COVE
 11952 So. SCENIC ACERS DRIVE

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DAKOTA HOMES - CARLA
 RIVERTON, UTAH
MAIN FLOOR PLAN

DRAWN JLH
 CHECKED KBH
 DATE DECEMBER 2010
 PLOTTED 12-20-2010
 SCALE SEE PLAN
 SHEET **A3**



NOTE: FLASHING & COUNTER-FLASHING AROUND WINDOWS AND DOORS SHALL COMPLY WITH MANUFACTURER'S SPECIFICATIONS.

XX SEE SHEETS S4 AND S5 FOR ALL STRUCTURAL DETAILS

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ACUTE ENGINEERING P.C.
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 Orem, Utah 84097
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HOLD-DOWN SCHEDULE				
MARK	HOLD-DOWN ^{1,3}	FASTENERS ²	ANCHOR	POST
△	STHD8	(24) 10d	STRAP 8" EMBED.	(2) 2X POST
△	STHD14	(38) 10d	STRAP 14" EMBED.	(2) 2X POST

1. SIMPSON STRONG-TIE OR EQUIVALENT. STHD STRAPS USE "RJ" TYPE AT RIM JOIST LOCATIONS.
 2. 10d NAILS SHALL BE COMMON NAILS. SHEAR WALL EDGE NAILING SHALL BE TO POST.
 3. MISPLACED STHD HOLD-DOWNS MAY BE RETROFITTED USING HTT22 HOLD-DOWNS WITH 5/8" ALL-THREAD BOLTS. EPOXY INTO FOUNDATION WALL WITH 5 INCHES EMBEDMENT. WHERE FRAMED WALL IS FLUSH WITH FOUNDATION WALL USE MST48 WITH TWO 1/2" DIA. WEDGE ANCHORS AS OPTION. FASTEN WITH 16-16d COMMON NAILS TO POST ABOVE.

MAIN FLOOR PLAN

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

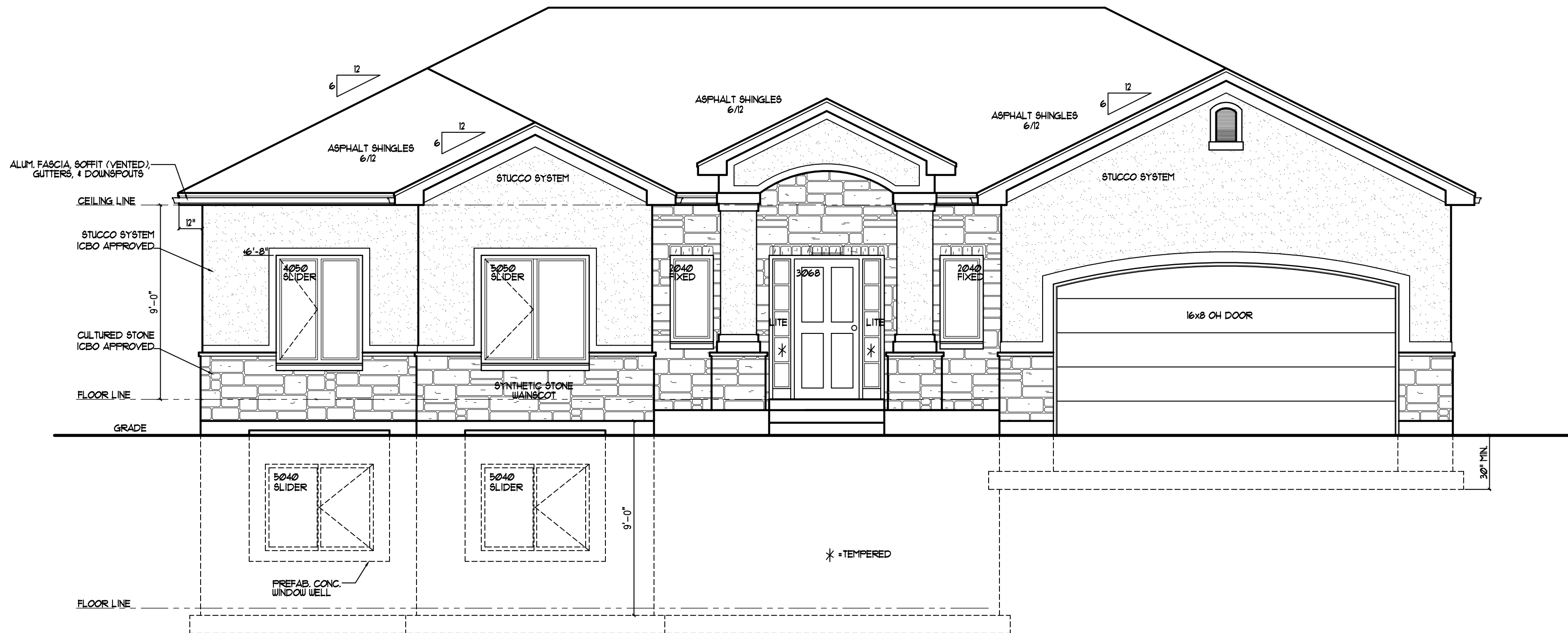
MAIN - 1883 sf
 GARAGE - 564 sf

SHEAR WALL SCHEDULE					
MARK	SHEATHING ¹	EDGE NAILING ²	WALL FRAMING ^{3,6}	ANCHORAGE	
				SOLE PLATE ⁴	SILL PLATE ⁵
SW1	7/16"	8d @ 6"	2" NOMINAL	10d @ 12"	1/2" A.B. @ 32"
SW2	7/16"	8d @ 4"	2" NOMINAL	10d @ 12"	1/2" A.B. @ 32"

1. WOOD STRUCTURAL PANELS--SHEATHING.
 2. COMMON OR BOX NAILS. FIELD NAILING 12".
 3. ANCHOR BOLTS SHALL HAVE A 3x3x0.229" WASHER AND 7" MIN EMBEDMENT.

FOR USE ON LOT 213 OF SCENIC COVE
 11952 So. SCENIC ACERS DRIVE

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FRONT ELEVATION

scale - 1/4" = 1'-0"



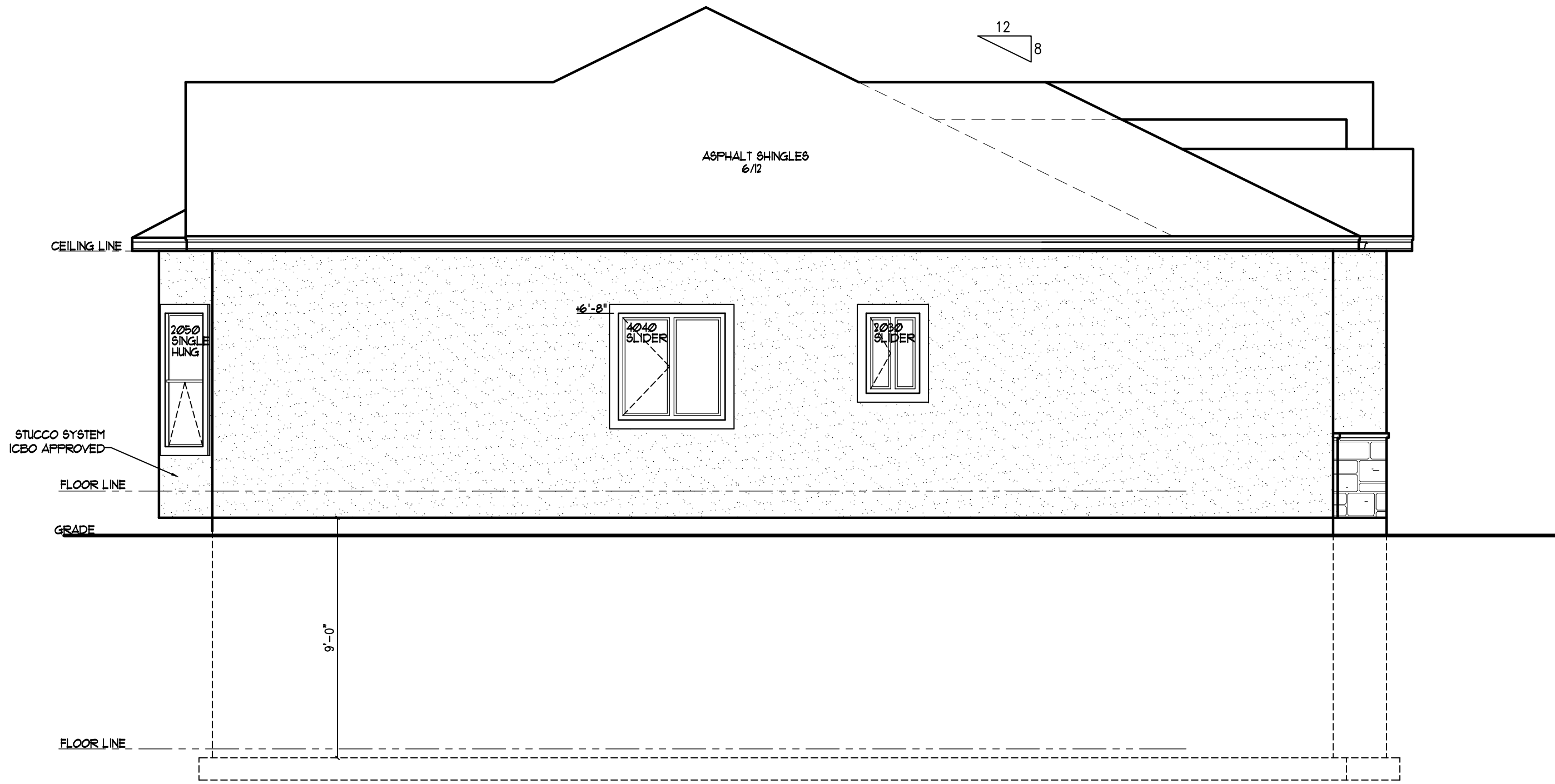
DAKOTA HOMES - CARLA
 RIVERTON
 UTAH
FRONT ELEVATION

DRAWN
 JLH
 CHECKED
 KBH
 DATE
 DECEMBER 2010
 PLOTTED
 12-20-2010
 SCALE
 SEE PLAN
 SHEET

A4

FOR USE ON LOT 213 OF SCENIC COVE
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LEFT SIDE ELEVATION

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

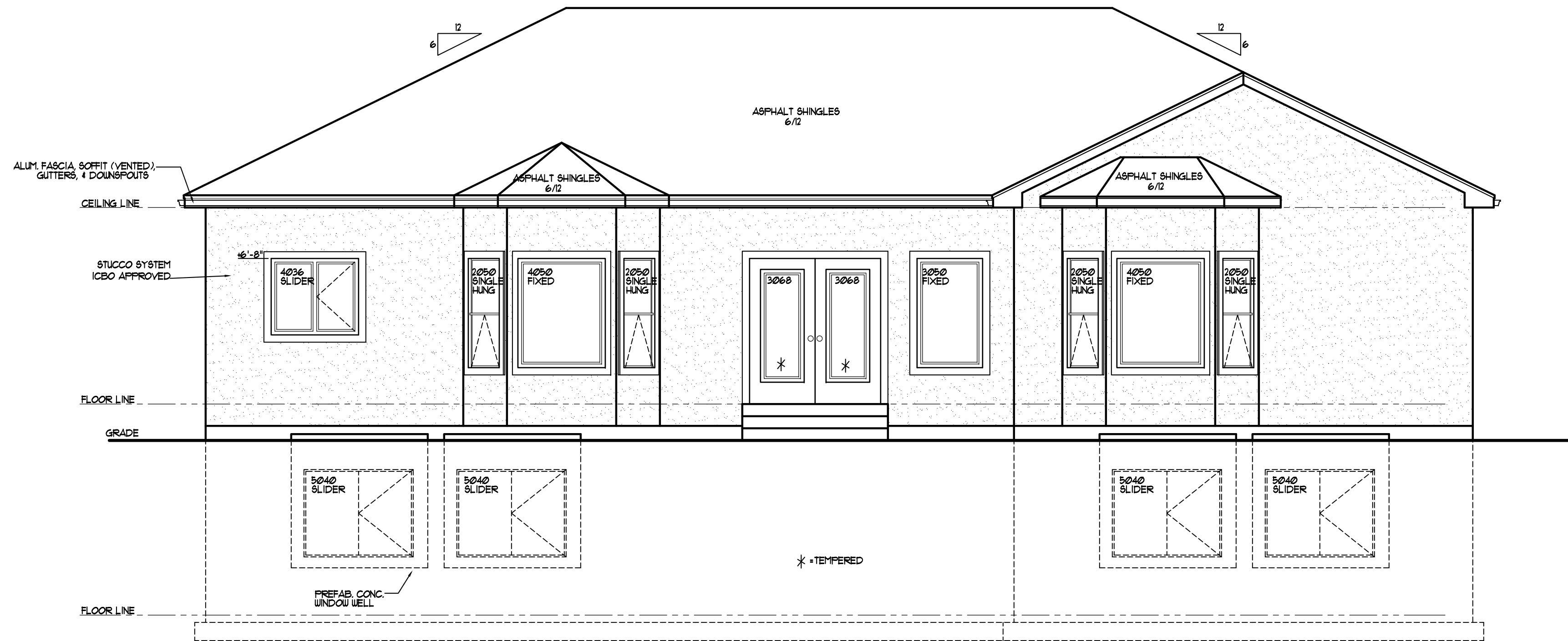


DAKOTA HOMES - CARLA
 RIVERTON
 UTAH
LEFT SIDE ELEVATION

DRAWN
 JLH
 CHECKED
 KBH
 DATE
 DECEMBER 2010
 PLOTTED
 12-20-2010
 SCALE
 SEE PLAN
 SHEET

A5

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REAR ELEVATION

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



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DAKOTA HOMES - CARLA

UTAH

RIVERTON

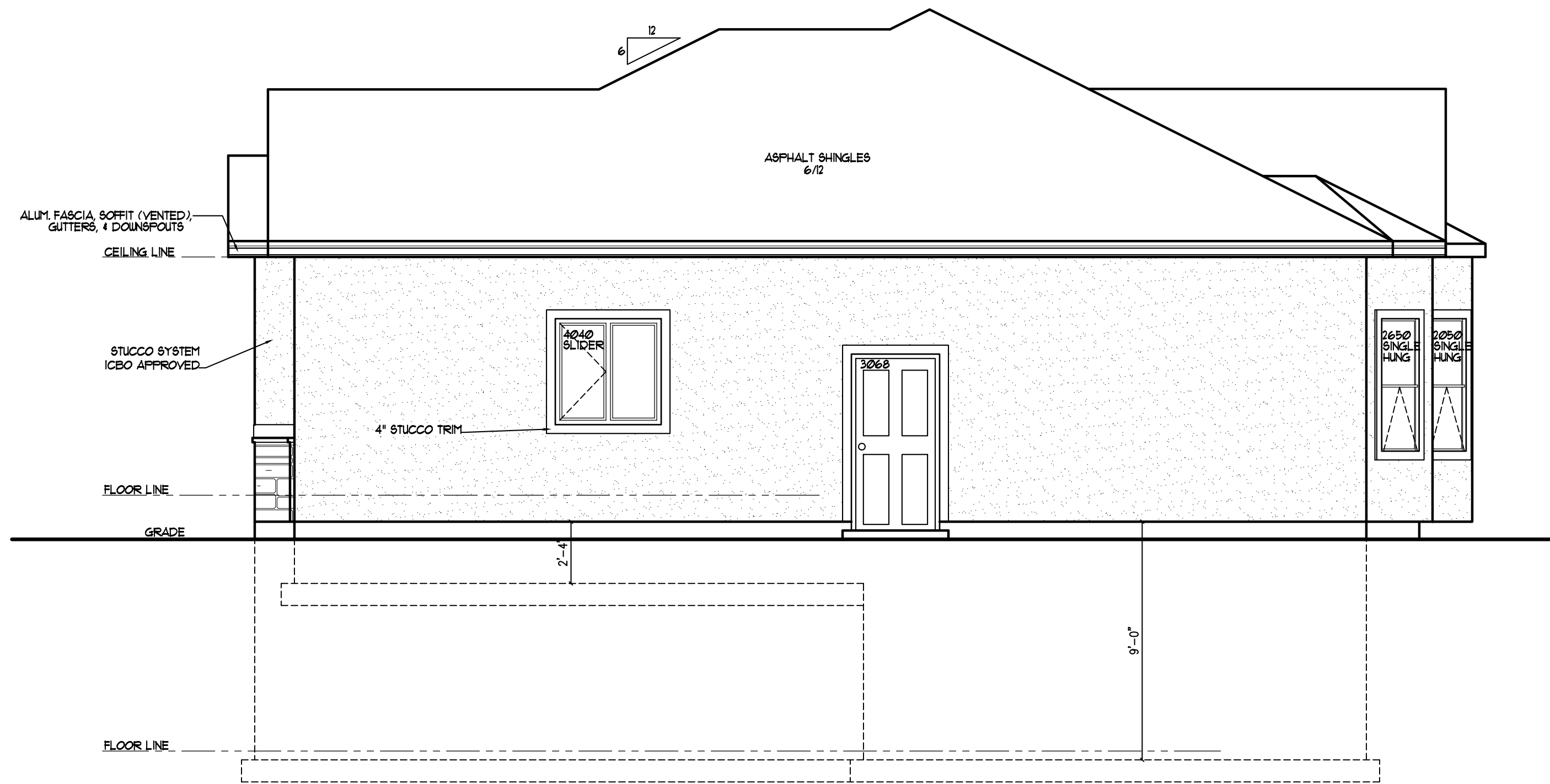
REAR ELEVATION

DRAWN
JLH
CHECKED
KBH
DATE
DECEMBER 2010
PLOTTED
12-20-2010
SCALE
SEE PLAN
SHEET

A6

FOR USE ON LOT 213 OF SCENIC COVE
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RIGHT SIDE ELEVATION
 SCALE: 1/4" = 1'-0"

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 ARCHITECT

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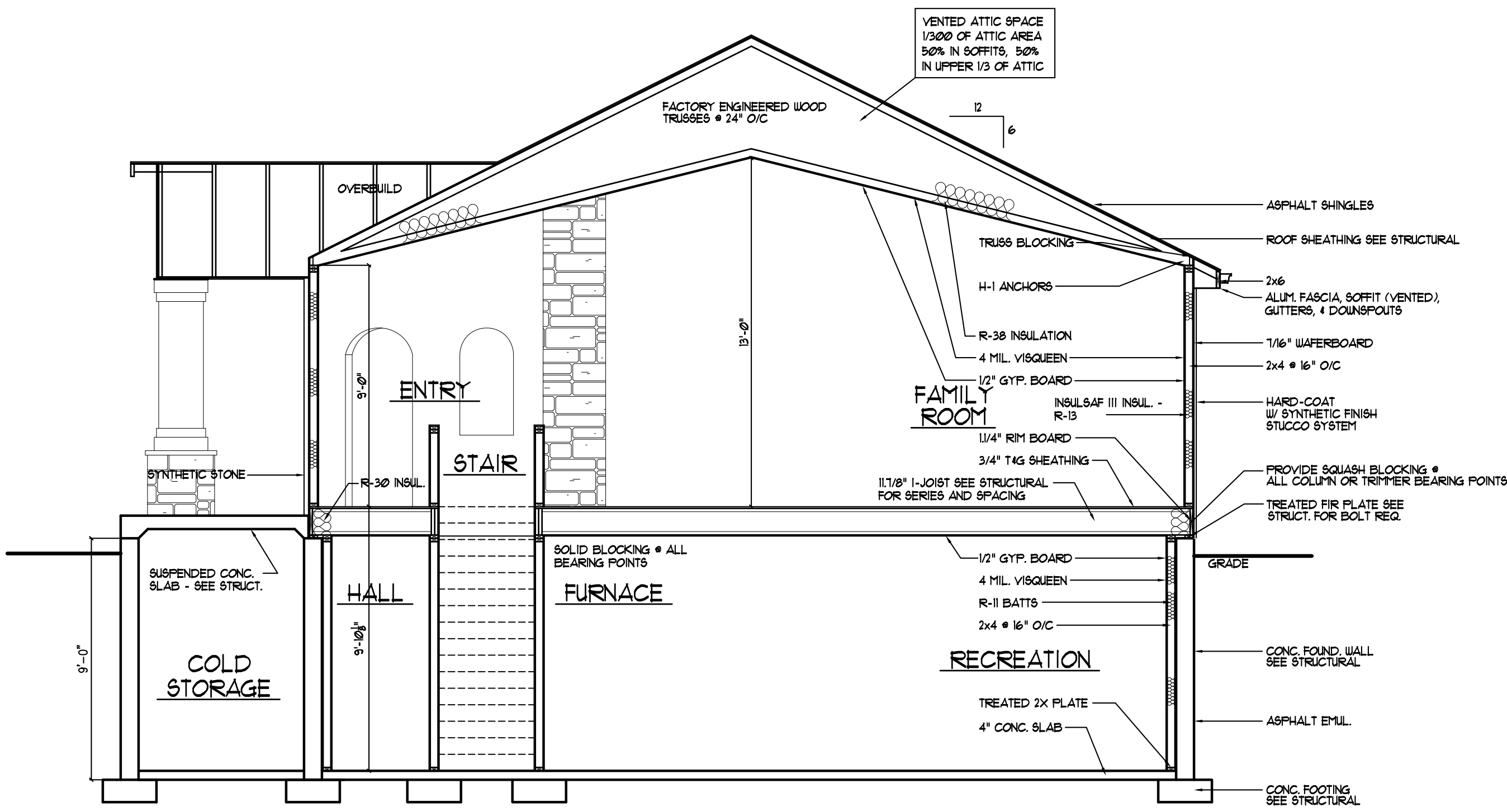
DAKOTA HOMES - CARLA
 RIVERTON

UTAH

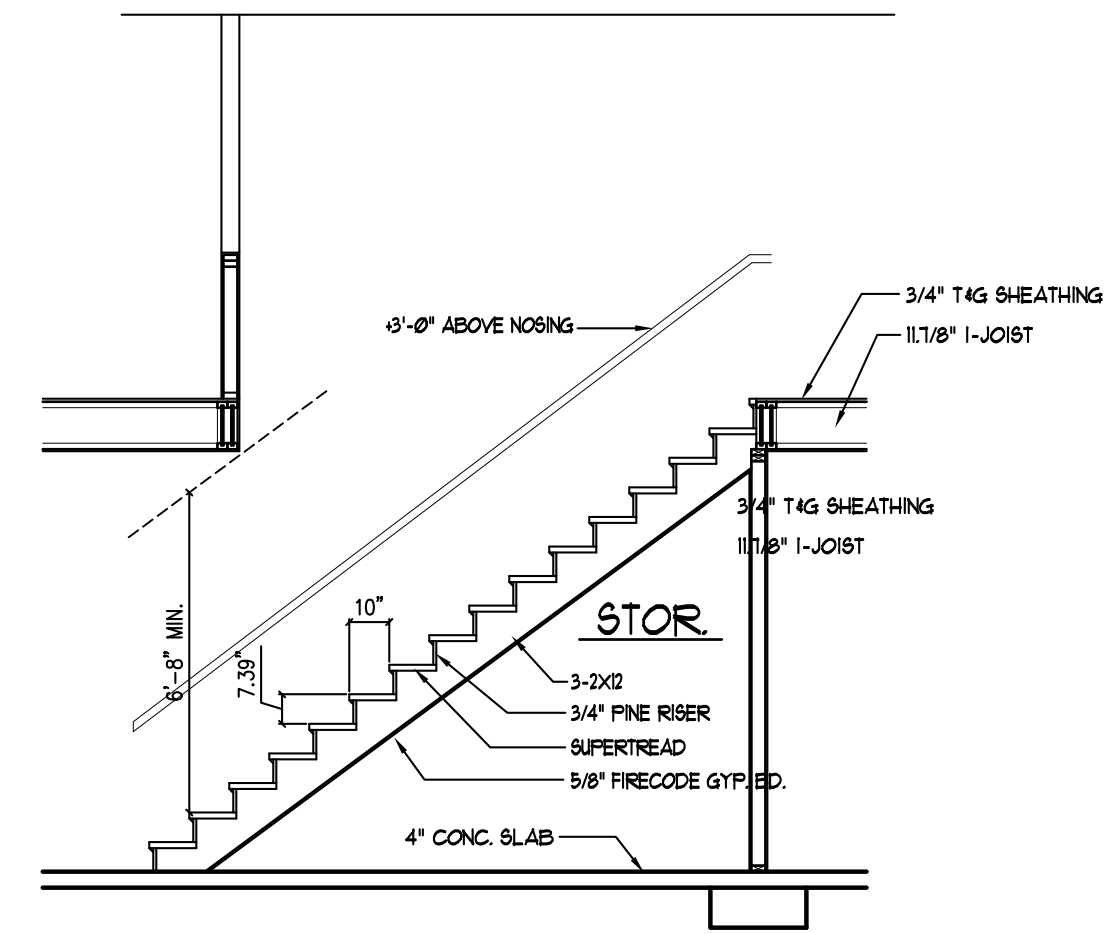
RIGHT SIDE ELEVATION

DRAWN
JLH
CHECKED
KBH
DATE
DECEMBER 2010
PLOTTED
12-20-2010
SCALE
SEE PLAN
SHEET
A7

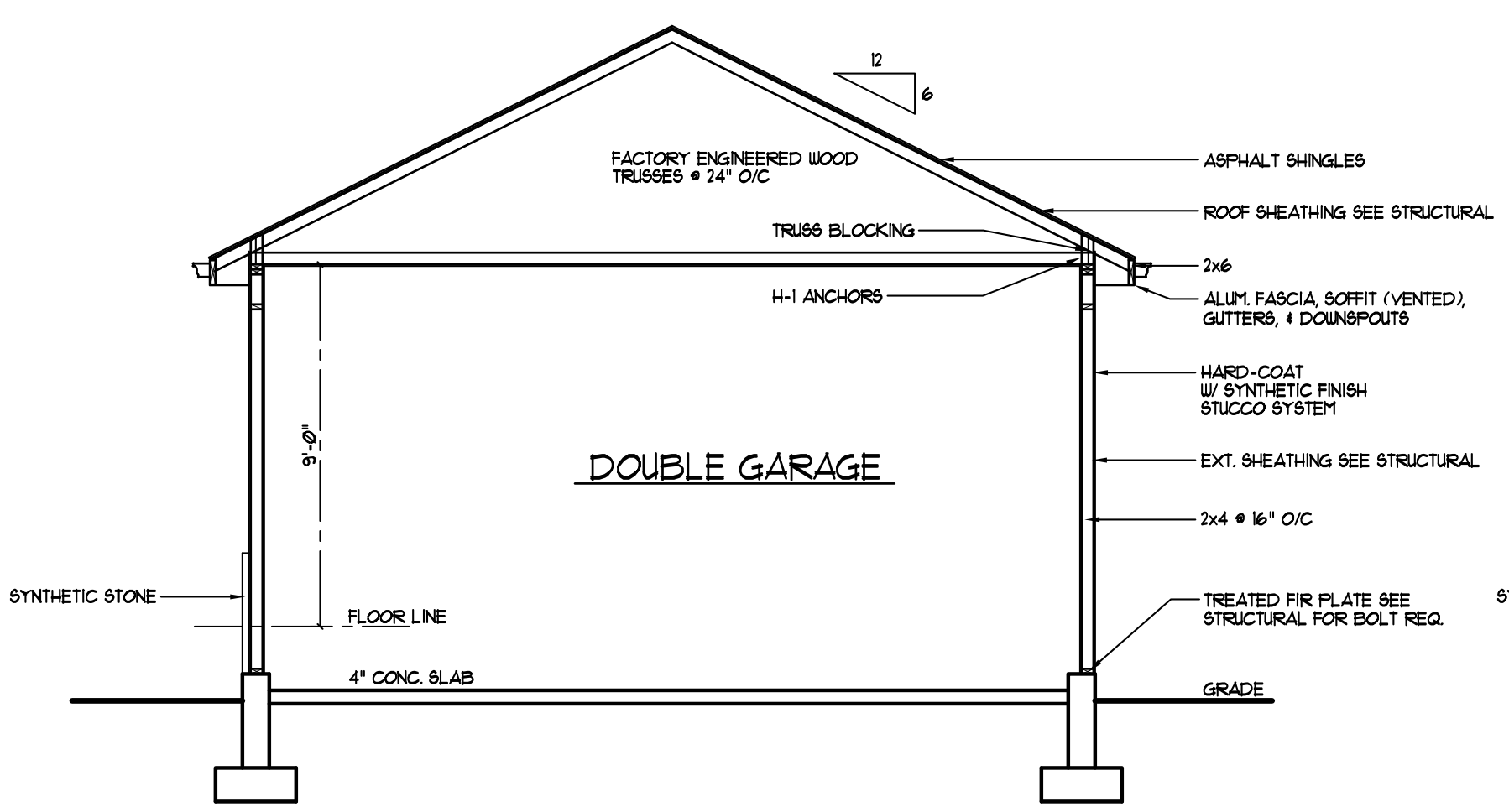
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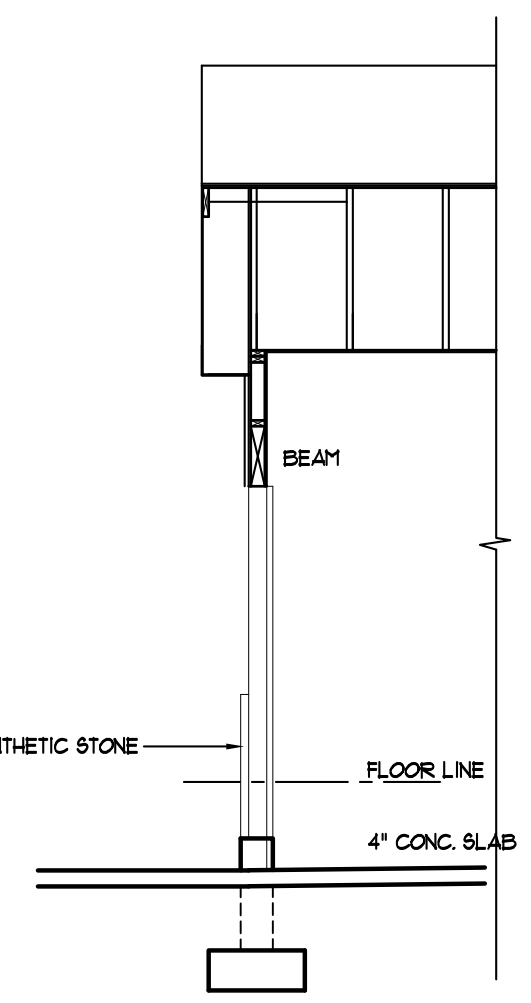
A CROSS SECTION
SCALE - 1/4"=1'-0"



C STAIR SECTION
SCALE - 1/4"=1'-0"



B CROSS SECTION
SCALE - 1/4"=1'-0"



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DAKOTA HOMES - CARLA

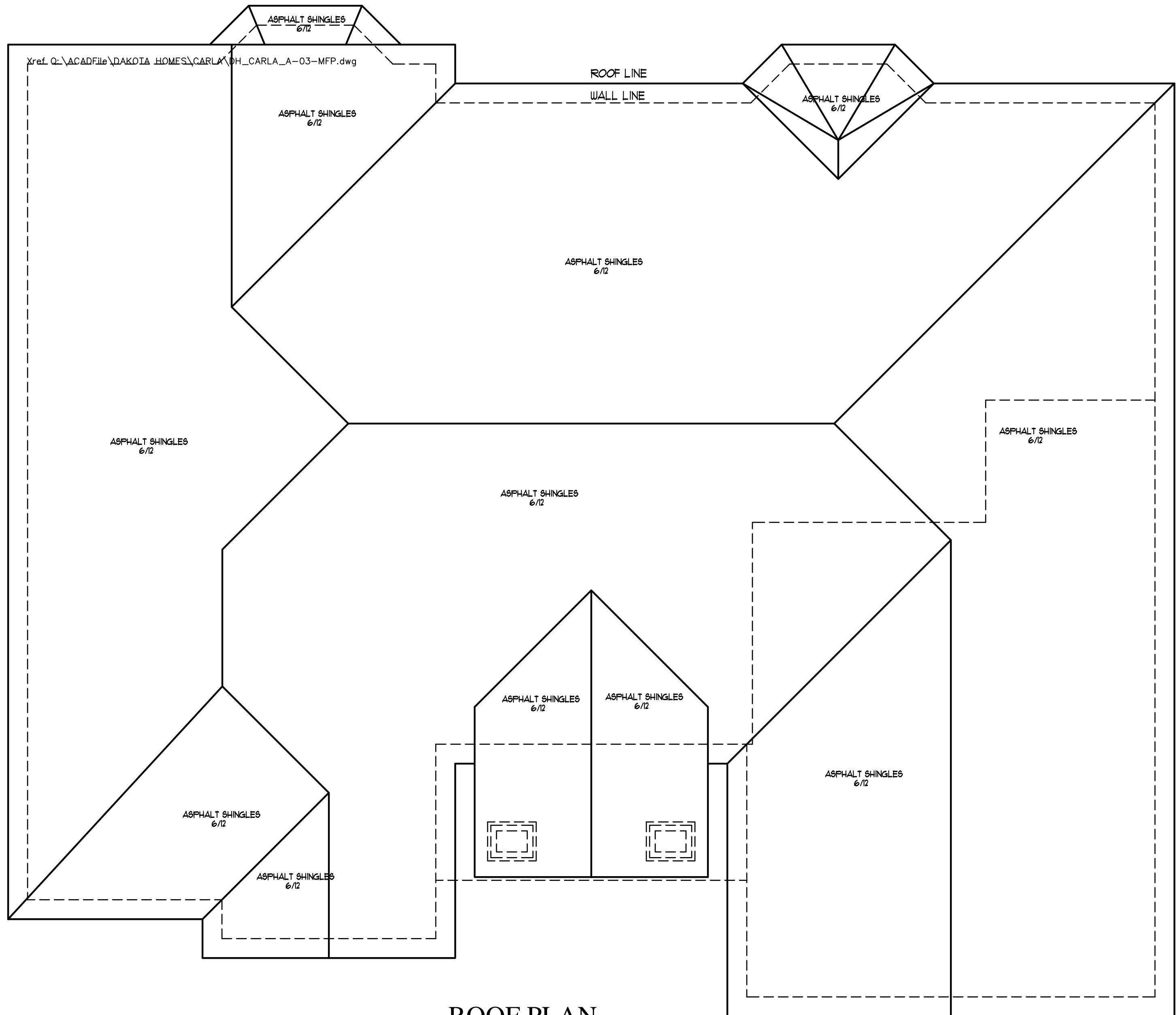
RIVERTON UTAH

CROSS SECTION

DRAWN	JLH
CHECKED	KBH
DATE	DECEMBER 2010
PLOTTED	12-20-2010
SCALE	SEE PLAN
SHEET	

A8

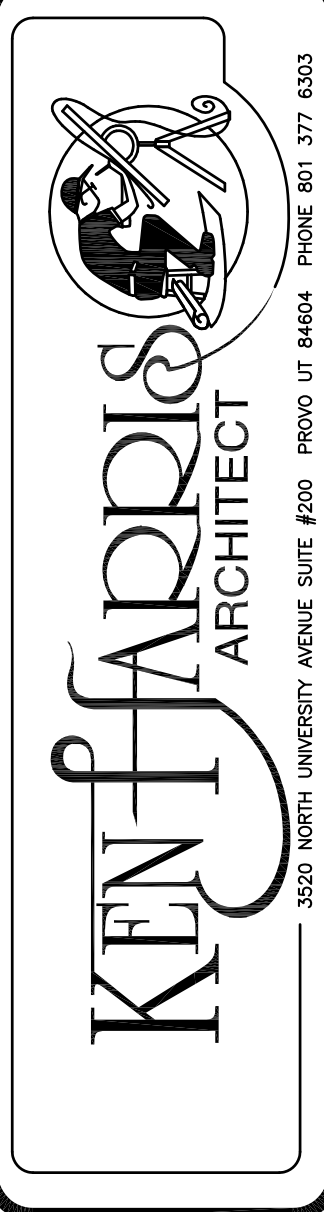
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ROOF PLAN
SCALE: 1/4" = 1'-0"

PROVIDE ICE AND WATER SHIELD AT ALL
EAVE, RIDGE, AND VALLEY LINES - 3'-0" MIN.

ENTIRE ROOF IS 6/12 PITCH WITH
ASPHALT SHINGLES - U.N.O.



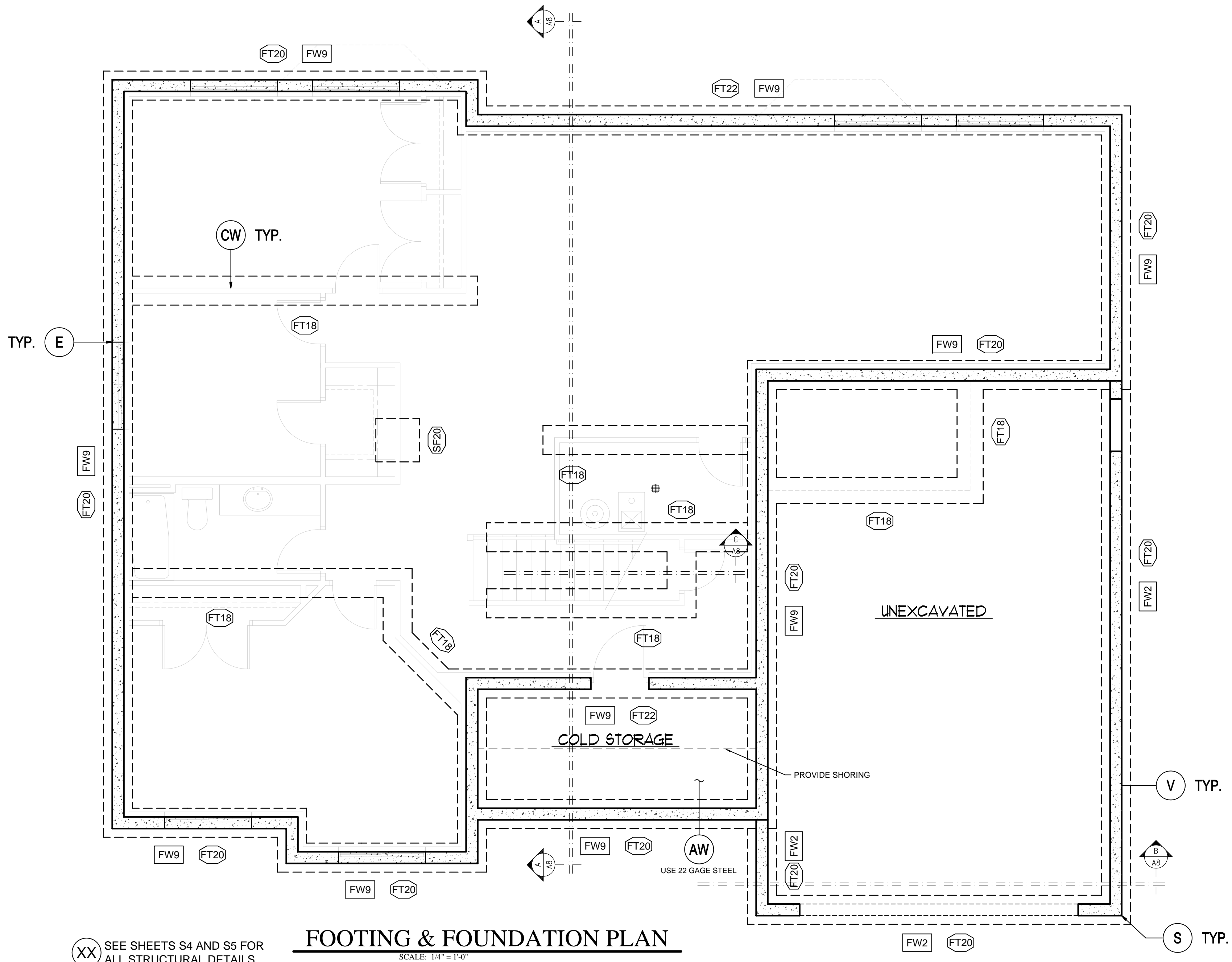
DAKOTA HOMES - CARLA
RIVERTON
UTAH
ROOF PLAN

DRAWN
JLH
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KBH
DATE
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PLOTTED
12-20-2010
SCALE
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SHEET

A9

FOR USE ON LOT 213 OF SCENIC COVE
11952 So. SCENIC ACERS DRIVE

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XX SEE SHEETS S4 AND S5 FOR ALL STRUCTURAL DETAILS

FOOTING & FOUNDATION PLAN

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

FOOTING SCHEDULE					
MARK	WIDTH ¹	LENGTH	THICKNESS	REINFORCEMENT	
				TRANSVERSE	LENGTHWISE
FT18	18"	CONT.	10"	-	(2) #4
FT20	20"	CONT.	10"	-	(2) #4
FT22	22"	CONT.	10"	-	(2) #4
SF20	20"	20"	10"	(2) #4	(2) #4

1. CONTINUOUS FOOTINGS SHALL BE CENTERED UNDER WALLS AND SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS UNLESS NOTED OTHERWISE.

FOUNDATION WALL SCHEDULE					
MARK	HEIGHT	WIDTH	REINFORCEMENT ^{1,2,3}		
			VERTICAL	HORIZONTAL	PLACEMENT
FW2	2.5'	8"	#4 @ 24"	(2) #4	CENTER
FW9	9'	8"	#4 @ 16"	(7) #4	CENTER

1. DOWEL VERTICAL BARS INTO FOOTING.
 2. PLACE TOP AND BOTTOM BARS WITHIN 4" OF TOP AND BOTTOM OF WALL.
 3. PLACE REINFORCEMENT IN CENTER OF WALL OR NEAR EACH FACE, AS NOTED.

FOR INTERIOR AND EXTERIOR DIMENSIONS SEE BASEMENT FLOOR PLAN

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DAKOTA HOMES - CARLA

UTAH

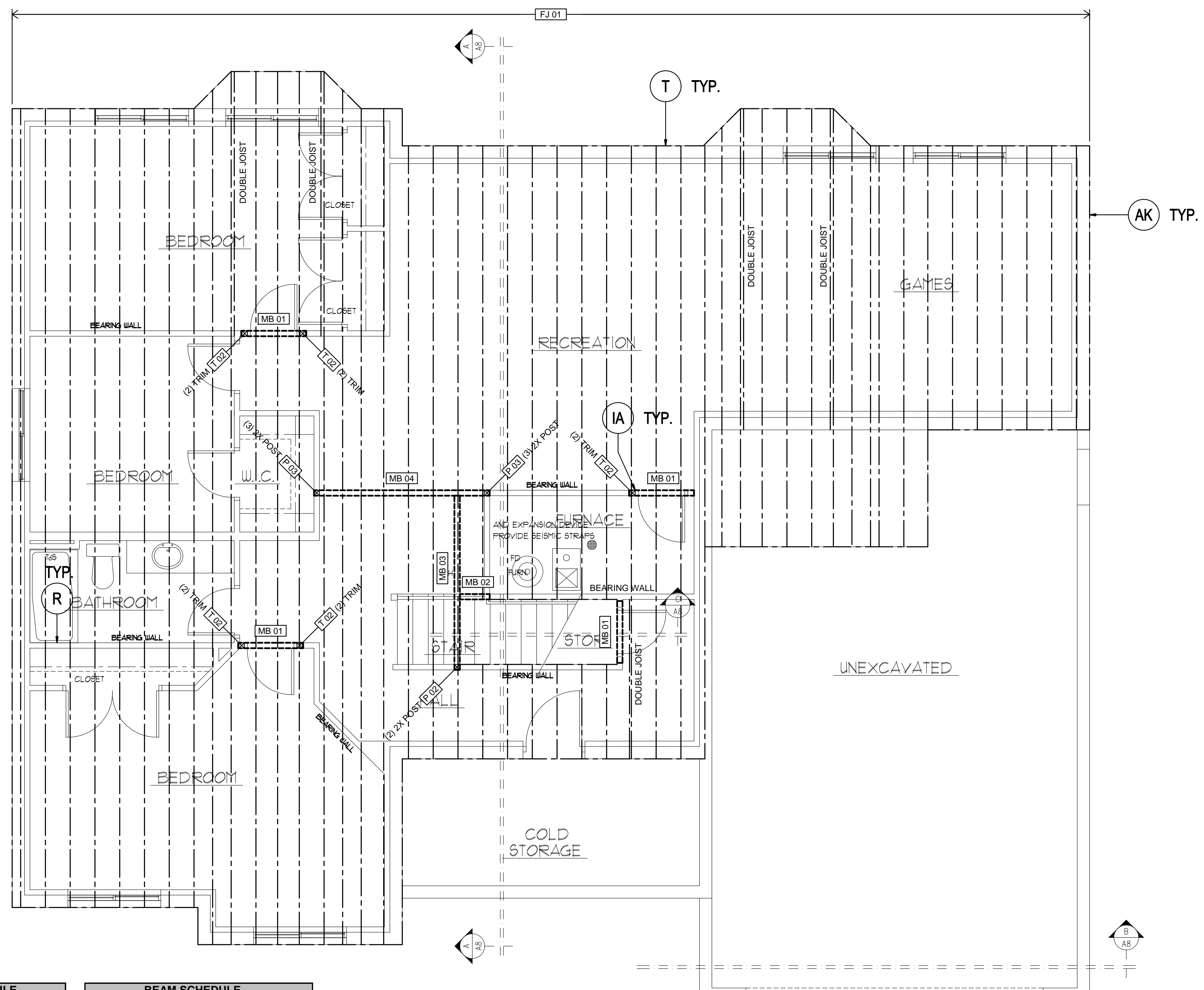
FOOTING & FOUNDATION PLAN

RIVERTON

DRAWN JLH
 CHECKED KBH
 DATE DECEMBER 2010
 PLOTTED 12-20-2010
 SCALE SEE PLAN
 SHEET

S1

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MAIN FLOOR FRAMING PLAN

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

SHEATHING SCHEDULE	
TYPE	THICKNESS
FLOOR	3/4" (48/24 SPAN RATING)
ROOF	7/16" (24/16 SPAN RATING)

1. SHEATHING PERPENDICULAR TO SUPPORTS.
2. FLOOR SHEATHING NAILED & GLUED TO SUPPORT.
3. 8d COMMON NAILS 6" O.C. (EDGES) 12" O.C. (FIELD)
4. NAILING NO CLOSER THAN 3/8" FROM PANEL EDGE.

POST SCHEDULE	
MARK	TYPE
P 02	(2)2X POST
P 03	(3)2X POST
P 04	(4)2X POST
P 06	4X6 POST
P 09	3.5X5.25 PSL
T 02	(2)TRIM

1. PARALLEL STRAND LUMBER (PSL) 1.8E
2. STEEL PIPE (PIPE STD) A53
3. STEEL HOLLOW SECTION (HSS) A500
4. STEEL COLUMNS REQUIRE BEARING PLATES
5. CONTINUE POSTS TO FDN / STRUCT MEMBER

BEAM SCHEDULE	
MARK	TYPE
MB 01	(2)2X6
MB 02	11.875" TJI 110
MB 03	11.875" TJI 110
MB 04	(2)1.75X9.5 LVL

1. DIMENSIONAL LUMBER DF#2 U.N.O.
2. LAMINATED VENEER LUMBER (LVL) 1.9E
3. GLUED-LAMINATED TIMBER (GLB) 24F-1.8E
4. STEEL W-SHAPES A992-50

FLOOR JOIST SCHEDULE	
MARK	TYPE
FJ 01	11.875" TJI 210 @ 16" O.C.

1. DIMENSIONAL LUMBER DF#2 U.N.O.

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FOR USE ON LOT 213 OF SCENIC COVE
11952 So. SCENIC ACERS DRIVE

KEN FARRIS & ARCHITECT

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UTAH

DAKOTA HOMES - CARLA

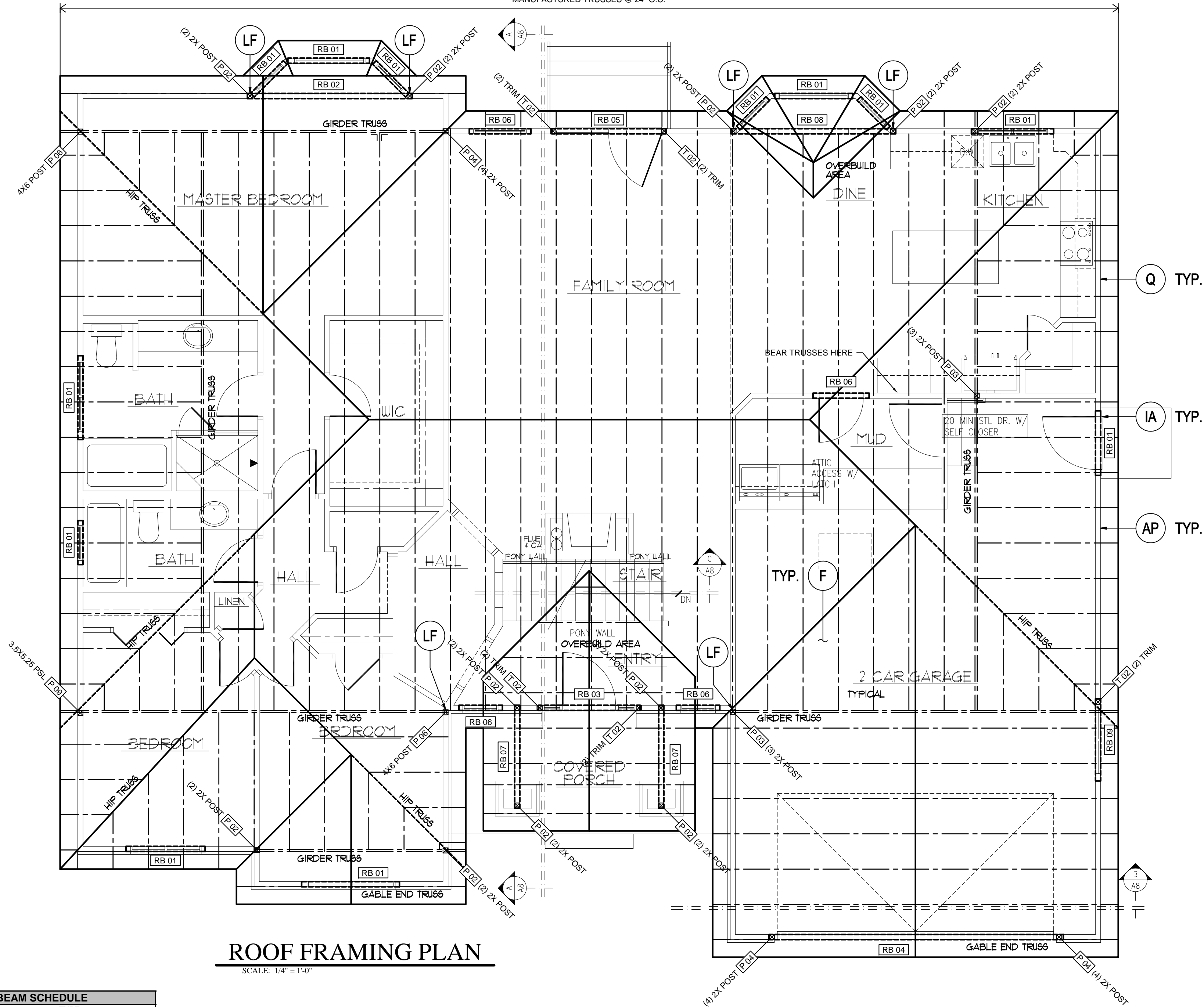
RIVERTON

MAIN FLOOR FRAMING PLAN

DRAWN JLH
CHECKED KBH
DATE DECEMBER 2010
PLOTTED 12-20-2010
SCALE SEE PLAN
SHEET S2

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MANUFACTURED TRUSSES @ 24" O.C.



ROOF FRAMING PLAN

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

BEAM SCHEDULE	
MARK	TYPE
RB 01	(2)2X6
RB 02	(2)2X8
RB 03	(2)1.75X9.5 LVL
RB 04	(2)1.75X11.875 LVL
RB 05	(2)1.75X9.5 LVL
RB 06	(2)2X6
RB 07	(2)2X8
RB 08	(2)1.75X9.5 LVL
RB 09	(2)2X10

- DIMENSIONAL LUMBER DF#2 U.N.O.
- LAMINATED VENEER LUMBER (LVL) 1.9E
- GLUED-LAMINATED TIMBER (GLB) 24F-1.8E
- STEEL W-SHAPES A992-50

POST SCHEDULE	
MARK	TYPE
P 02	(2)2X POST
P 03	(3)2X POST
P 04	(4)2X POST
P 06	4X6 POST
P 09	3.5X5.25 PSL
T 02	(2)TRIM

- PARALLEL STRAND LUMBER (PSL) 1.8E
- STEEL PIPE (PIPE STD) A53
- STEEL HOLLOW SECTION (HSS) A500
- STEEL COLUMNS REQUIRE BEARING PLATES
- CONTINUE POSTS TO FDN / STRUCT MEMBER

XX SEE SHEETS S4 AND S5 FOR ALL STRUCTURAL DETAILS

SHEATHING SCHEDULE	
TYPE	THICKNESS
FLOOR	3/4" (48/24 SPAN RATING)
ROOF	7/16" (24/16 SPAN RATING)

- SHEATHING NAILED & GLUED TO SUPPORT.
- FLOOR SHEATHING NAILED & GLUED TO SUPPORT.
- 8d COMMON NAILS 6" O.C. (EDGES) 12" O.C. (FIELD)
- NAILING NO CLOSER THAN 3/8" FROM PANEL EDGE.

WOOD TRUSS LOADS	
GROUND SNOW LOAD, P _g	= 44 PSF
FLAT ROOF SNOW LOAD	= 30 PSF
TOP CHORD DEAD LOAD	= 10 PSF
BOTTOM CHORD DEAD LOAD	= 5 PSF
1. DESIGN SNOW LOADS SHALL BE IN ACCORDANCE WITH ASCE 7-05 CHAP.7 (2009 IBC 1608.1)	

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DAKOTA HOMES - CARLA
 RIVERTON
 UTAH
 ROOF FRAMING PLAN

DRAWN JLH
CHECKED KBH
DATE DECEMBER 2010
PLOTTED 12-20-2010
SCALE SEE PLAN
SHEET S3

FOR USE ON LOT 213 OF SCENIC COVE
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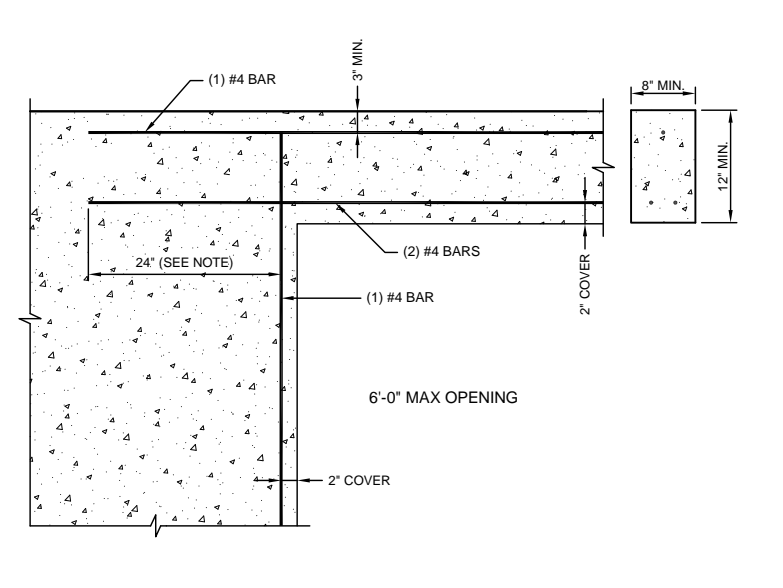
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ORIGINAL PROJECT #
821210
DRAWN BY:
LIS
CHECKED BY:
PRT
SCALE:
NTS
DATE:
20 DEC 2010

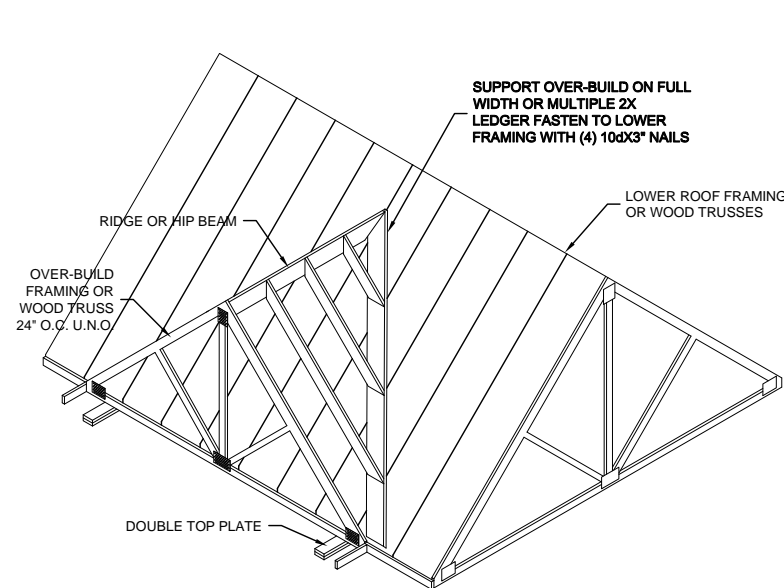
DAKOTA HOMES CARLA (SC213)

STRUCTURAL DETAILS

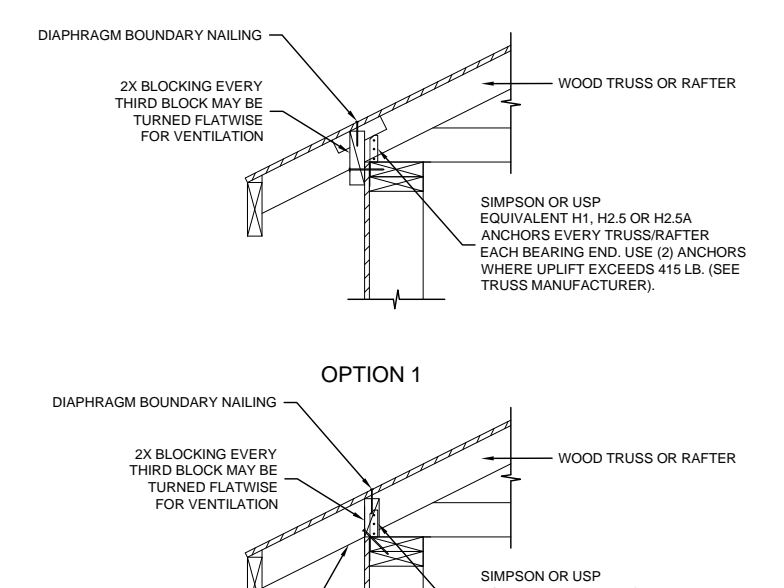
ISSUES / REVISIONS



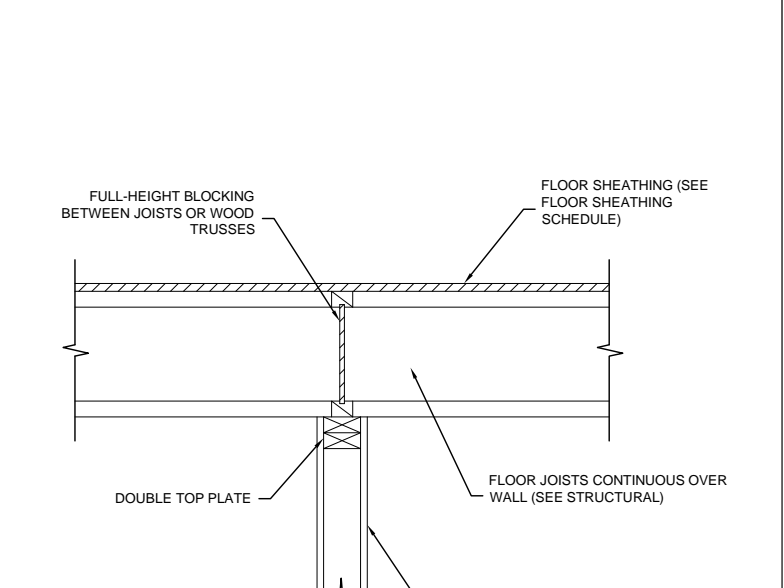
E FOUNDATION WALL - CONCRETE LINTEL
NO SCALE



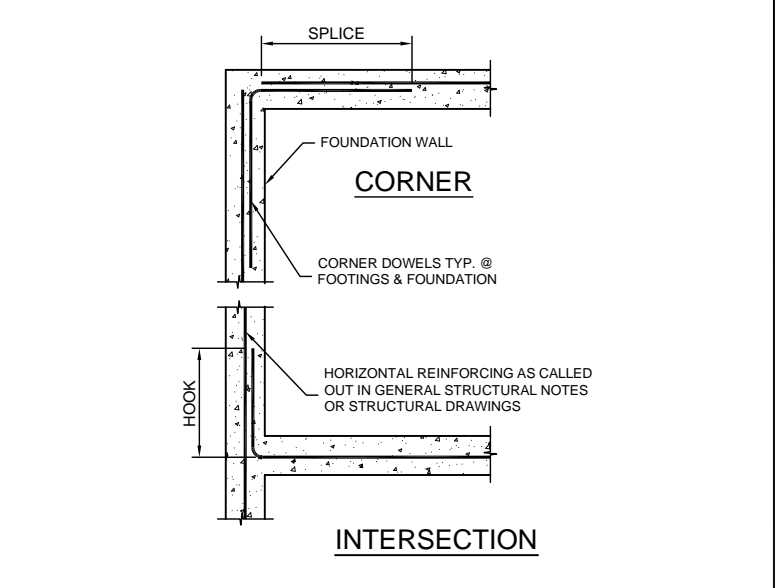
F ROOF FRAMING - OVER BUILD FRAMING
NO SCALE



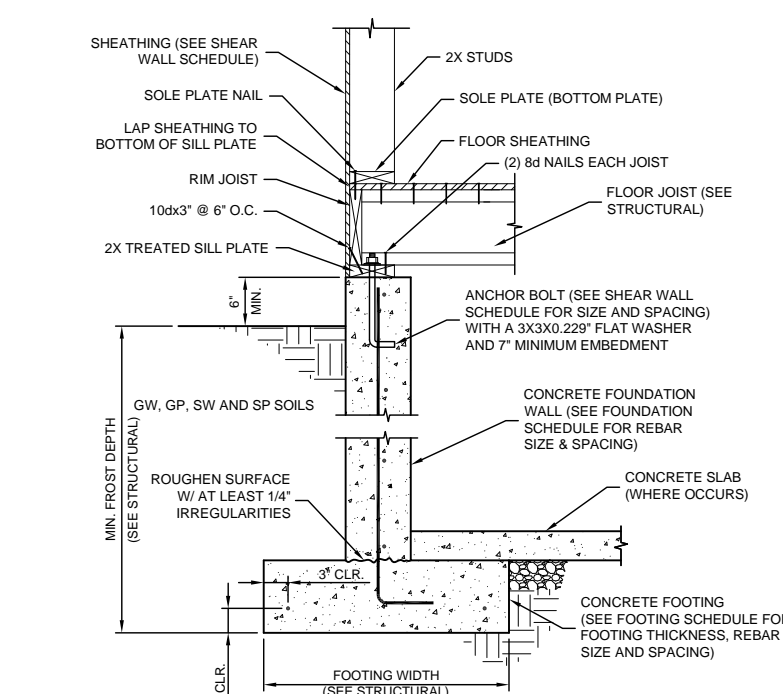
Q ROOF FRAMING - BLOCKING (150 PLF UNIT SHEAR)
NO SCALE



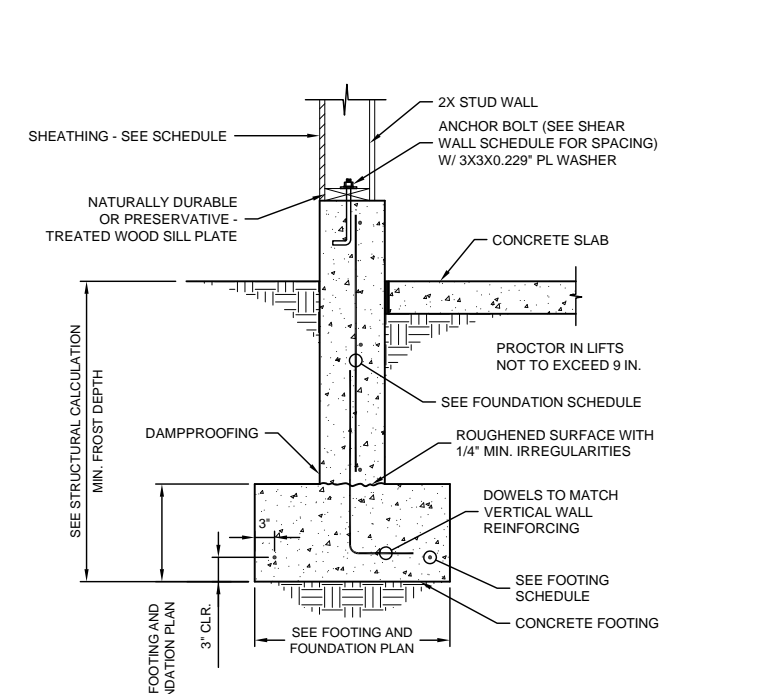
R BEARING WALL - INTERIOR TO FLOOR
NO SCALE



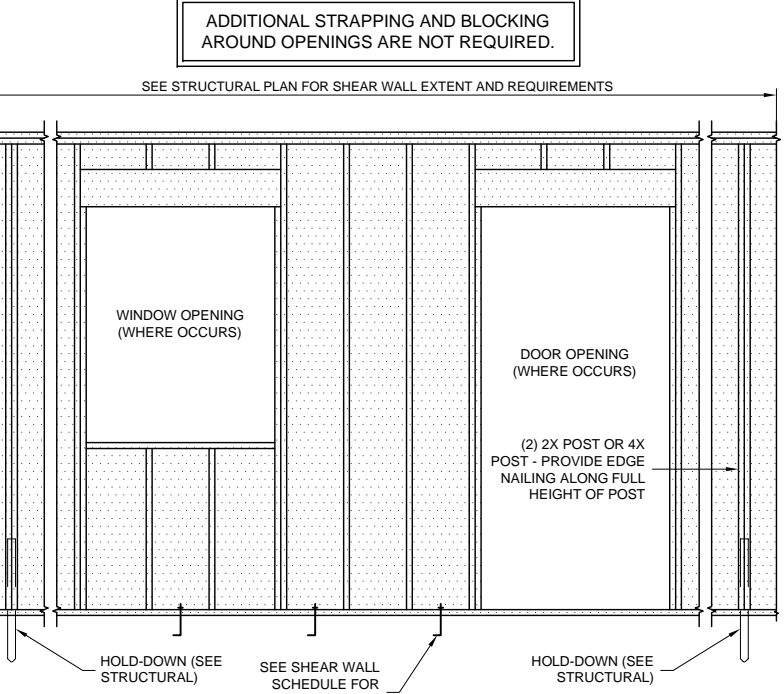
S FOUNDATION WALL - CORNER & INTERSECTION REINFORCING
NO SCALE



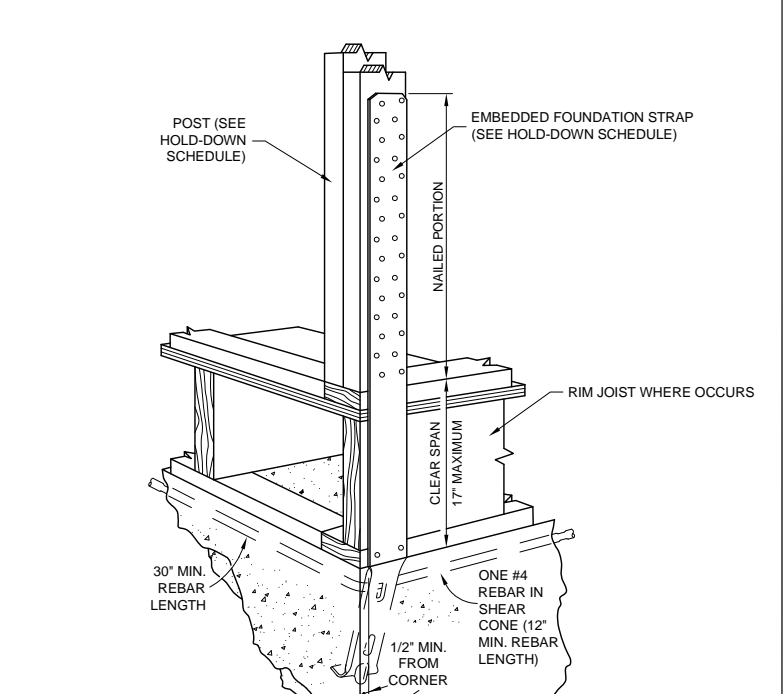
T FOUNDATION WALL - FLOOR JOIST (SUPPORTED) PERPENDICULAR
NO SCALE



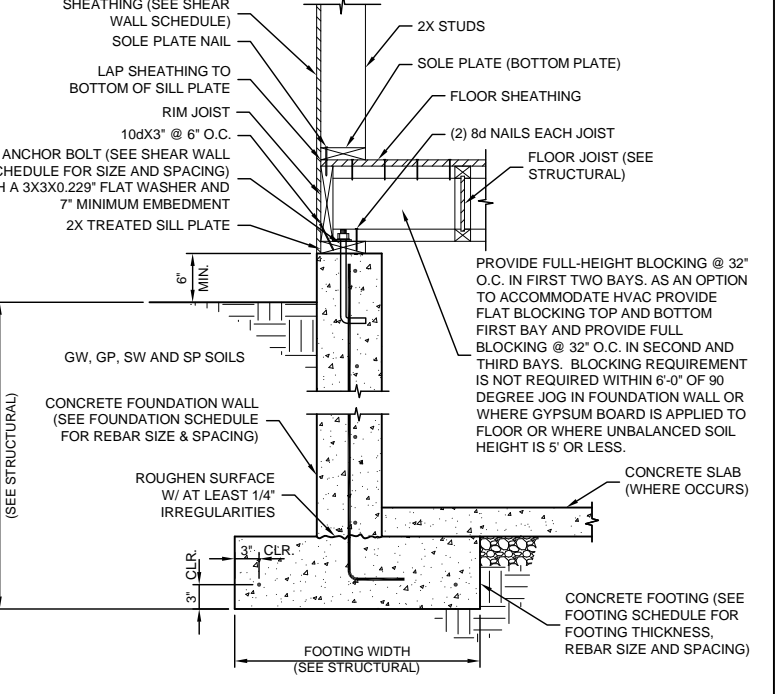
V FOUNDATION WALL - SLAB ON GRADE
NO SCALE



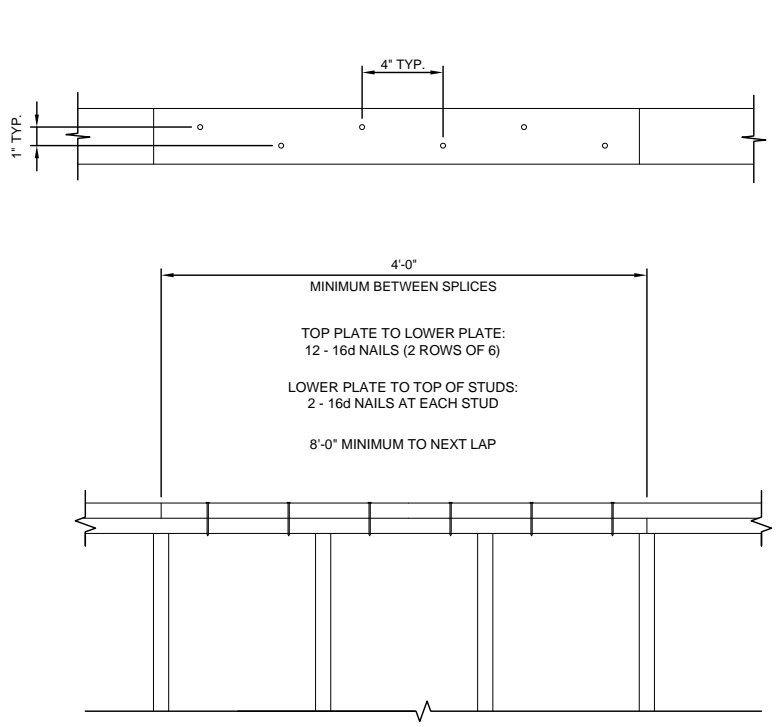
Y SHEAR WALL - PERFORATED
NO SCALE



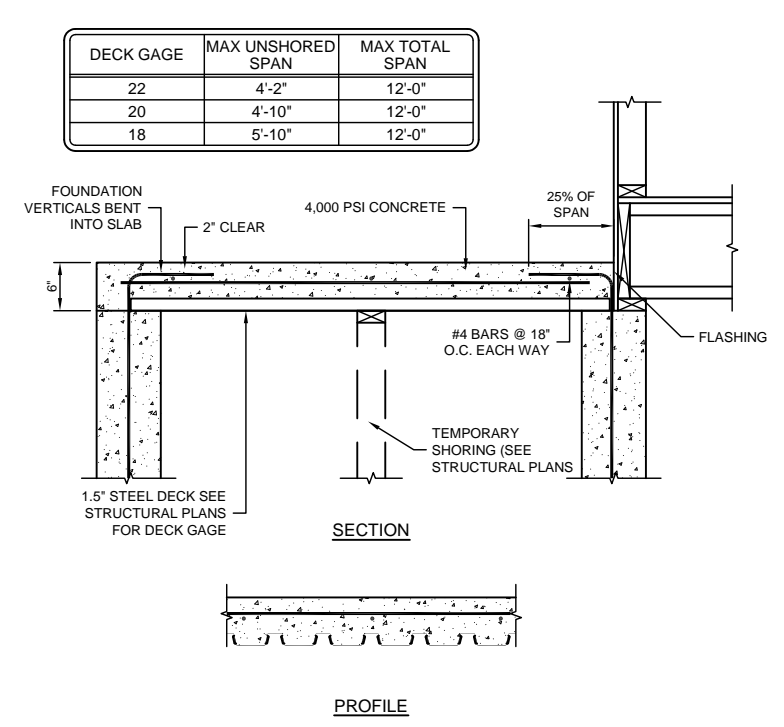
AD HOLD-DOWN - FOUNDATION STRAP
NO SCALE



AK FOUNDATION WALL - FLOOR JOIST (SUPPORTED) PARALLEL
NO SCALE



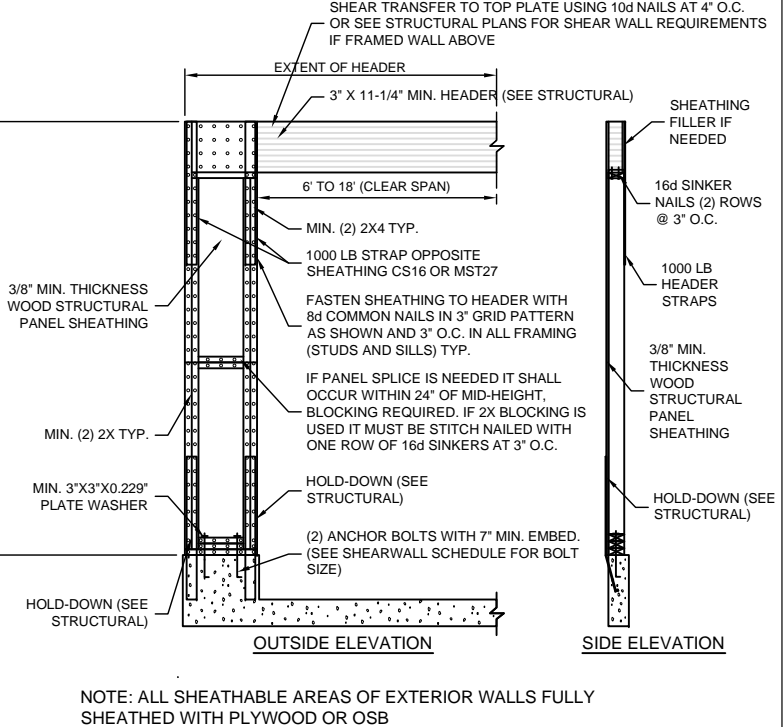
AP DIAPHRAGM - TOP PLATE SPLICE
NO SCALE



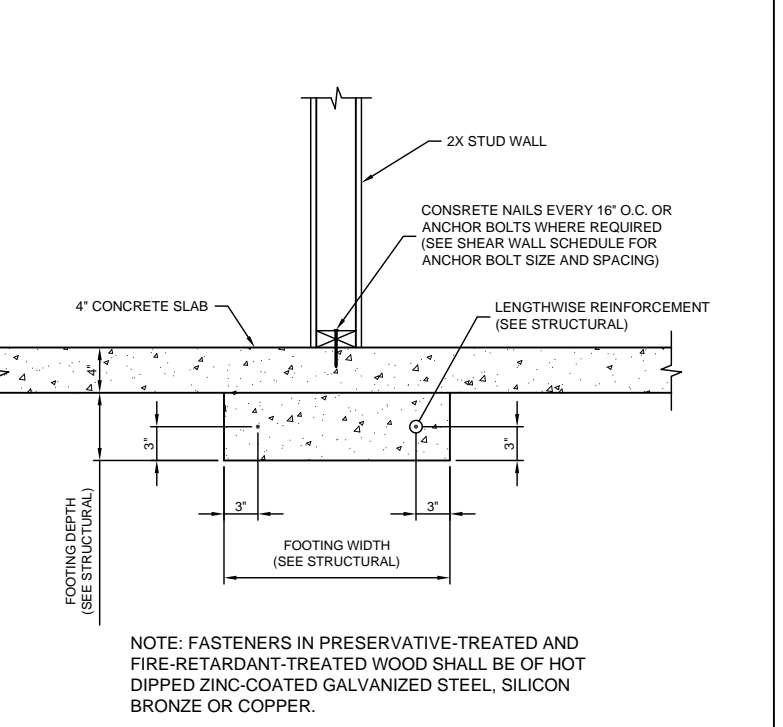
AW COMPOSITE SLAB - 6" SLAB/1.5" STEEL DECK
NO SCALE

PENNY WEIGHT DESIGNATION	EQUIVALENT SPACING (INCHES)			
	COMMON NAIL	BOX NAIL	16 GAGE STAPLE	
6d	4	4	3 1/2	
	6	6	5	
	8	8	6 1/2	
	10	10	8 1/2	
	12	12	10	
	3	3	2	
8d	4	4	2 1/2	
	6	6	4	
	8	8	5 1/2	
	10	10	6 1/2	
	12	12	8	
	4	4	2	
10d	6	6	3 1/2	
	8	8	4 1/2	
	10	10	5 1/2	
	12	12	6 1/2	
	NOTES: 1. SPACING VALID FOR LATERAL LOAD ONLY. 7/16 STRUCTURAL II PLYWOOD OR OSB SHEATHING. 2. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16 INCH. 3. FASTENERS IN PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, SILICON BRONZE OR COPPER.			

BP SHEAR WALL - EQUIVALENT SHEATHING FASTENERS
NO SCALE



CJ PORTAL FRAME - CONCRETE FOUNDATION
NO SCALE

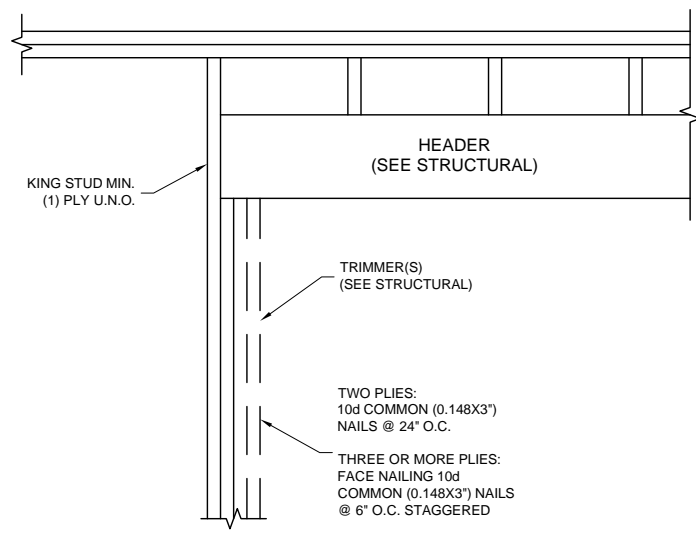


CW BEARING WALL - INTERIOR FOOTING
NO SCALE

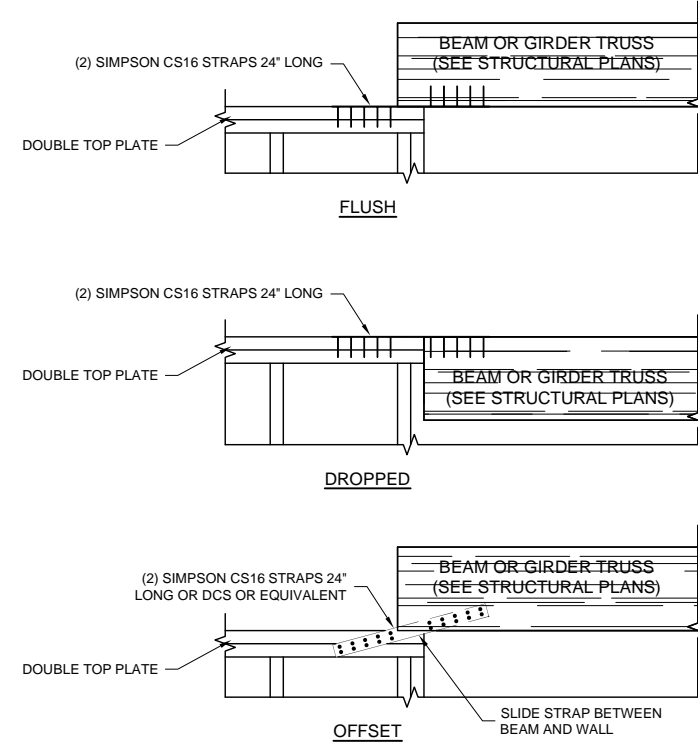
THESE STRUCTURAL DRAWINGS ARE BASED ON ARCHITECTURAL DRAWINGS. SEE CURRENT ISSUE OR REVISION DATE.

DIMENSIONS AND ELEVATIONS ARE SUPPLIED BY THE ARCHITECT. THEY MAY BE PROVIDED ON THE STRUCTURAL PLANS AND DETAILS FOR THE CONVENIENCE OF THE CONTRACTOR. VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.

ORIGINAL PROJECT #
821210
DRAWN BY:
LIS
CHECKED BY:
PRT
SCALE:
NTS
DATE:
20 DEC 2010



IA WOOD BEAM - WALL HEADER FRAMING
NO SCALE



LF DIAPHRAGM - CHORD / COLLECTOR STRAP
NO SCALE

DAKOTA HOMES CARLA (SC213)

STRUCTURAL DETAILS

ISSUES / REVISIONS

NO.	DESCRIPTION	DATE

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

- S SINGLE POLE SWITCH
- RS RECESS CAN SWITCH
- SS THREE WAY SWITCH
- SSS FOUR WAY SWITCH
- T TELEVISION
- PD PHONE / DATA
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- AFCI ARC FAULT CIRCUIT INTERRUPTER
- 110 110 OUTLET
- 220 220 OUTLET
- P P PENDANT LIGHT
- R CAN LIGHT
- CEILING LIGHT
- WALL LIGHT
- NL NIGHT LIGHT
- SD SMOKE DETECTOR
- CO CO DETECTOR
- F FAN
- FAN LT. FAN & LIGHT COMBINATION
- CF CEILING FAN AND LIGHT
- ELECT. PANEL ELECTRICAL PANEL
- WIRING (SCHEMATIC ONLY)
- FL FLOURESCENT LIGHTING

NOTE: ALL RECEPTACLES SERVING COUNTER-TOPS IN THE KITCHEN AND IN GARAGE, IN BATHS, ○ OUTSIDE GRADE LEVEL, AND UNFINISHED BASEMENTS NEED TO BE GFCI PROTECTED.

NOTE: WIRING WITHIN 6' OF ATTIC ACCESS MUST HAVE LUMBER-GUARD STRIP.

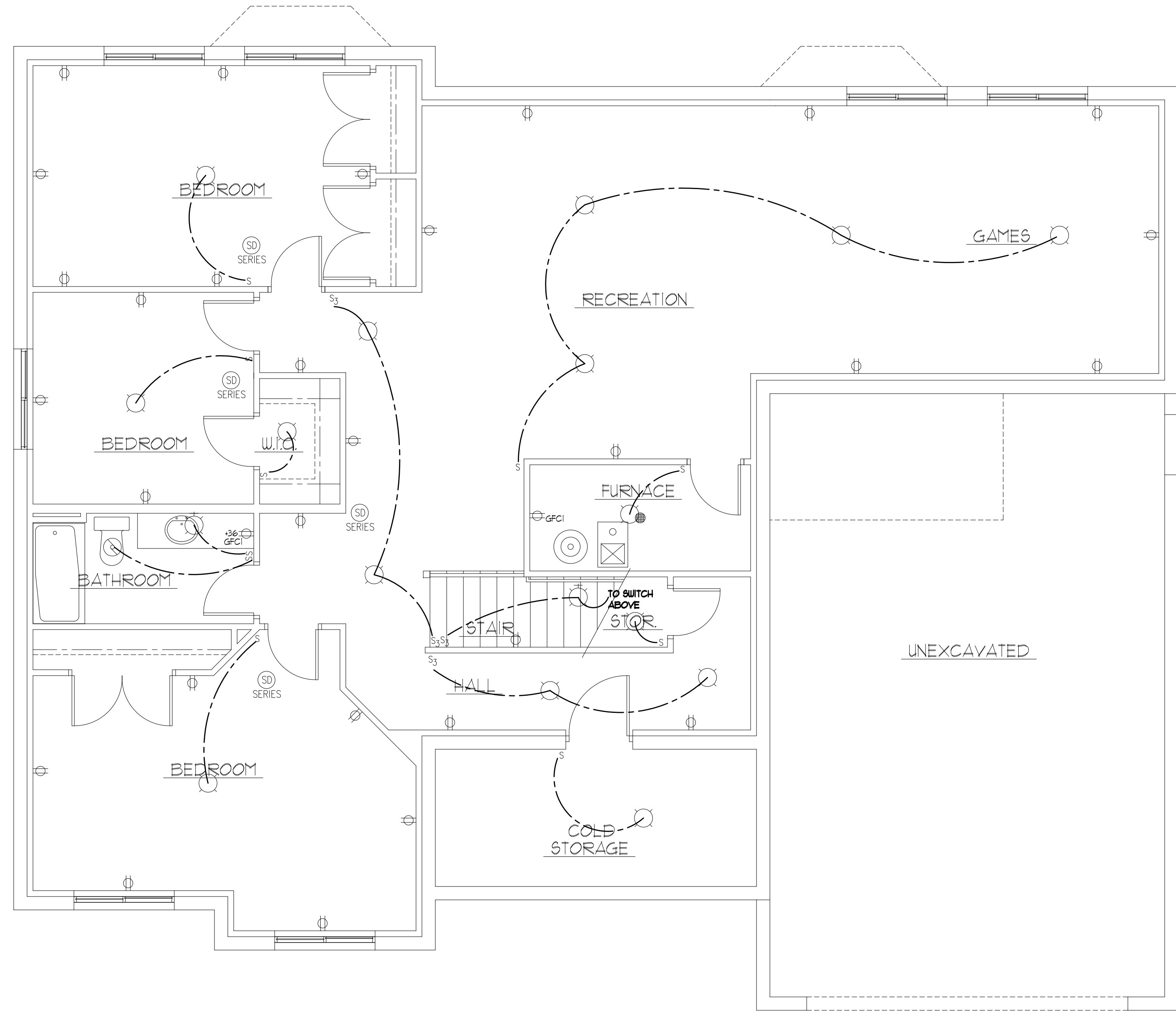
NOTE: ELECTRICAL IS SCHEMATIC ONLY VERIFY WITH CONTRACTOR AND OWNER

NOTE: PROVIDE DIMMERS MASTER BEDROOM, TV ROOM AND SITTING ROOM LIGHTS

COMBINATION ARC FAULTS PROTECTION REQUIRED AT ALL BEDROOM LIGHTS, SWITCHES, SMOKE DETECTORS, AND RECEPTACLES.

NOTE: CAN LIGHTS ABOVE TUBS OR SHOWERS TO HAVE A GASKETED LENS (TYPICAL)

NOTE: ALL EXTERIOR OUTLETS TO HAVE APPROVED BUBBLE COVERS.



BASEMENT ELECTRICAL PLAN

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



KEN FARBER
ARCHITECT

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UTAH

DAKOTA HOMES - CARLA

RIVERTON

BASEMENT ELECTRICAL PLAN

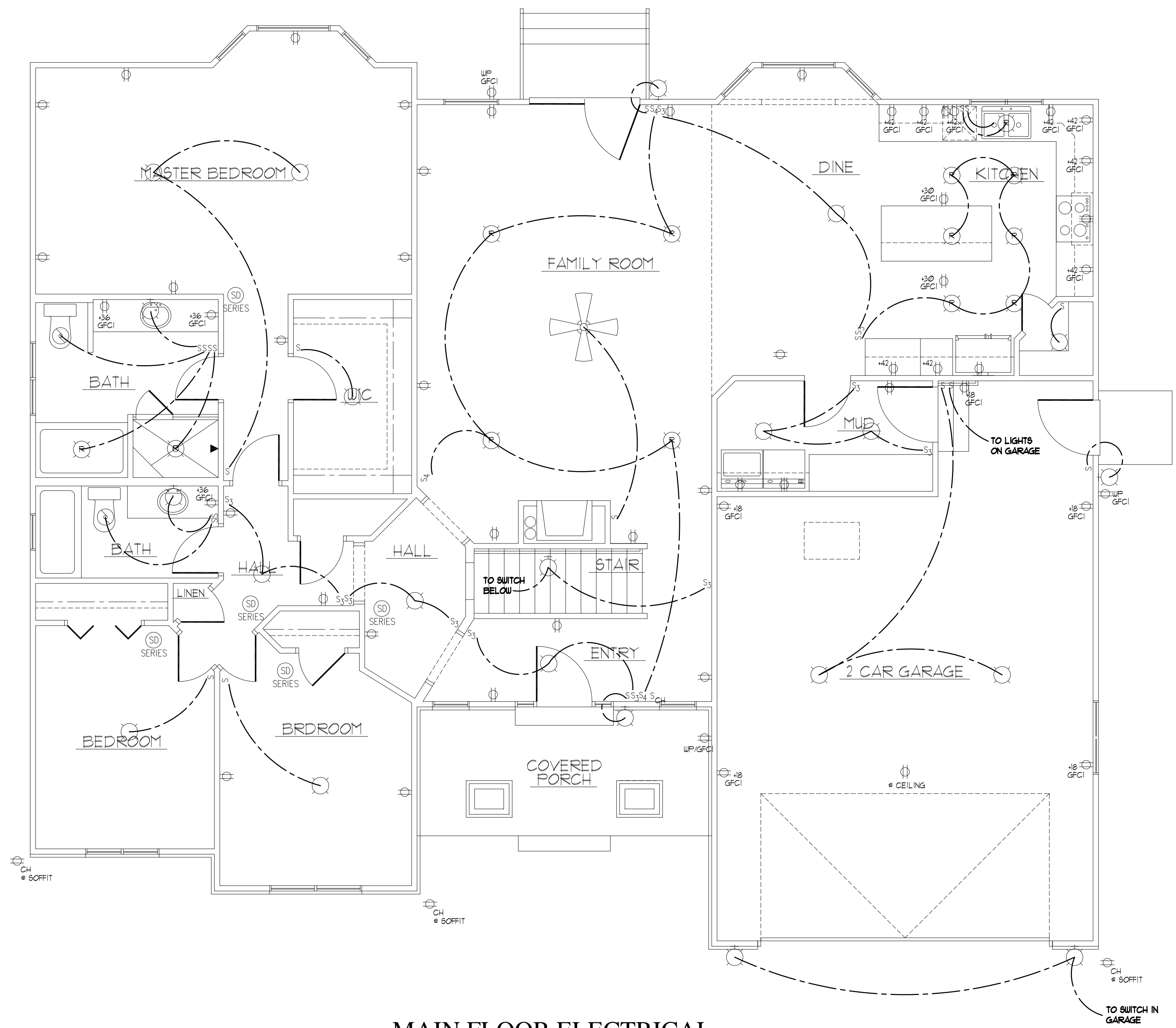
DRAWN JLH
CHECKED KBH
DATE DECEMBER 2010
PLOTTED 12-20-2010
SCALE SEE PLAN
SHEET

E1

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

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MAIN FLOOR ELECTRICAL
SCALE: 1/4" = 1'-0"


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UTAH
DAKOTA HOMES - CARLA
RIVERTON
MAIN FLOOR ELECTRICAL

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 CHECKED KBH
 DATE DECEMBER 2010
 PLOTTED 12-20-2010
 SCALE SEE PLAN
 SHEET
E2

FOR USE ON LOT 213 OF SCENIC COVE
11952 So. SCENIC ACERS DRIVE