



HEALTH

Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: 11/17/15

Permit No.: B15005116

Building Address: 11913 Northern Bell Way
City: Clarksville State: MD Zip Code: 21029
Suite/Apt. # SDP/WP/BA #: GP-15-081/F14-095
Census Tract: Subdivision: Greenberry
Section: Area: Lot: 17
Tax Map: 28 Parcel: 48 Grid:
Zoning: Map Coordinates: Lot Size:

Existing Use: Vacant lot
Proposed Use: Single family
Estimated Construction Cost: \$ 280,000
Description of Work: New 2 story "Clifton Park II" with
3 car side garage, morning room, conservatory, sitting
area, covered porch, 5th bedroom and finished lower level.
Occupant or Tenant:
Was tenant space previously occupied? Yes No
Contact Name:
Address:
City: State: Zip Code:
Phone: Fax:
Email:

Table with 2 columns: Commercial Building Characteristics and Residential Building Characteristics. Includes fields for Height, No. of stories, Gross area, Area of construction, Use group, Construction type, and Roadside Tree Project Permit.

Property Owner's Name: NVR Inc
Address: 9720 Patuxent Woods Drive
City: Columbia State: MD Zip Code: 21046
Phone: 410-379-5956 Fax:
Email:

Applicant's Name & Mailing Address, (If other than stated herein)
Applicant's Name: Jim Kerwin
Address: PO Box 552
City: Woodbine State: MD Zip Code: 21797
Phone: 443-309-7792 Fax:
Email: Jim@DecaturBuildingServices.com

Contractor Company: NV Homes
Contact Person: Ryan Johnson
Address: 9720 Patuxent Woods Drive
City: Columbia State: MD Zip Code: 21046
License No.: 56
Phone: 410-379-5956 Fax:
Email:

Engineer/Architect Company:
Responsible Design Prof.:
Address:
City: State: Zip Code:
Phone: Fax:
Email:

Table with 2 columns: Utilities and Grading/Shell Permits. Includes sections for Water Supply, Sewage Disposal, Heating System, and Sprinkler System.

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Jim Kerwin
Email Address: Jim@DecaturBuildingServices.com
Title/Company: AGENT

Print Name: Jim Kerwin
Date: 11/17/2015

RECEIVED

NOV 17 2015

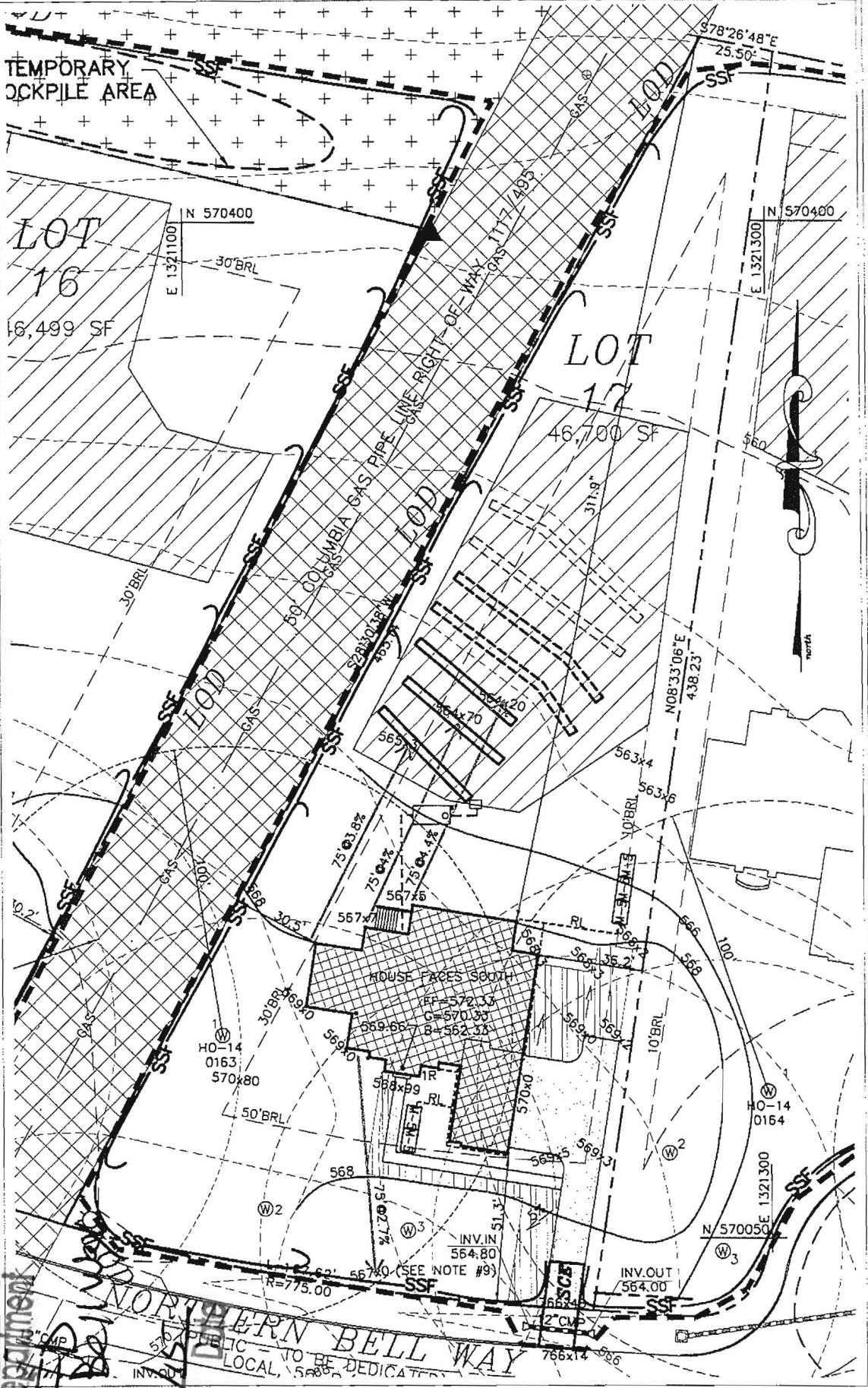
LICENSES & PERMITS DIVISION

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
PLEASE WRITE NEATLY & LEGIBLY
FOR OFFICE USE ONLY

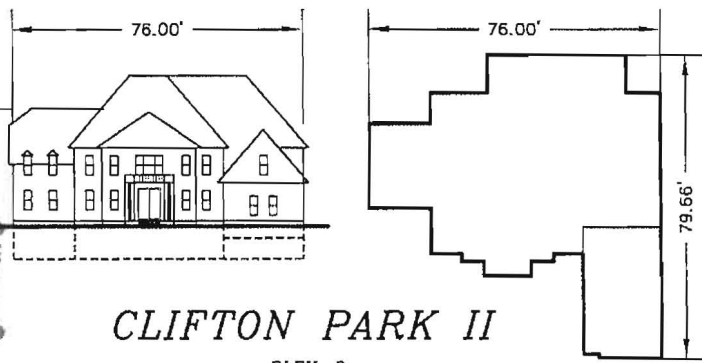
Table with 3 columns: AGENCY, DATE, SIGNATURE OF APPROVAL. Includes approvals from State Highways, Building Officials, PSZA (Zoning), PSZA (Engineering), and Health.

Table for DPZ SETBACK INFORMATION with fields for Front, Rear, Side, Side St., and various setback requirements.

Table for Filing Fee, Permit Fee, Tech Fee, Excise Tax, PSFS, Guaranty Fund, Add'l per Fee, Total Fees, Sub-Total Paid, Balance Due, and Check #.



Approved Septic System Plan
 Howard County Health Department
 5-Bed room
 11913 Northern Bell Way
 B1500516
 R. Buckner
 Signature
 12/17/15



CLIFTON PARK II
 ELEV. D

PLOT PLAN (SITE SPECIFIC)
 GREENBERRY
 LOT 17

FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

MILDENBERG BOENDER, & ASSOC., INC.
 Engineers Planners Surveyors
 7350-B Grace Drive, Columbia, Maryland 21044
 (410) 997-0296 Ball. (410) 997-0298 Fax.

SCALE: 1"=50' DRAWN BY: MMM DATE: OCT. 2015 PN: 15-005

P:\2004\15-005\DEG\BAT

B15005116

B15

CLIFTON PARK II

5 Bedrooms

HEATH Dept



NVR, Inc.
Architectural Services
Architects
21 Byte Court, Suite A
Frederick, MD 21702

	FULL BASEMENT						CRAWL SPACE						ATTACHED GARAGES		OPTIONAL ROOMS				DETAILS STANDARD		
	STD. DIMS.	ELEV. "A"	ELEV. "B"	ELEV. "C"	ELEV. "D"	ELEV. "K"	ELEV. "L"	STD. DIMS.	ELEV. "A"	ELEV. "B"	ELEV. "C"	ELEV. "D"	ELEV. "K"	ELEV. "L"	THREE CAR SIDE ENTRY TWO CAR SIDE ATTACHED	CONSERVATORY	SUITE FIRST FLOOR	MORNING ROOM		BONUS ROOM	
NOTE SHEET	2							2												D-1	
FRONT ELEVATIONS - SIDING		3							3											D-2	
FRONT ELEVATIONS - BRICK		4		7	8				4		7	8								D-3	
FRONT ELEVATIONS - SIDING/STONE		5	6		9	10.1	10.2		5	6		9	10.1	10.2						D-4	
RIGHT SIDE ELEVATIONS - SIDING OR SIDING/STONE		11	13	14	16	18.1	18.2		11	13	14	16	18.1	18.2						D-5	
RIGHT SIDE ELEVATIONS - BRICK		12		15	17				12		15	17								D-5a	
LEFT SIDE ELEVATIONS - SIDING OR SIDING/STONE		19	21	22	24	26.1	26.2		19	21	22	24	26.1	26.2						D-6	
LEFT SIDE ELEVATIONS - BRICK		20		23	25				20		23	25								D-7	
REAR ELEVATIONS - SIDING		27	29	30	32	34.1	34.2		27	29	30	32	34.1	34.2						D-8c	
REAR ELEVATIONS - BRICK		28		31	33				28		31	33								D-11	
FOUNDATION		35	36	37.1	37.2	37.1	41.2		39	40	40	41.1	41.1	41.2	38	38	38	42		D-12	
HOLD DOWN DETAILS		43							43											D-12b	
PLUMBING GROUND WORKS		44							45											D-12c	
BASEMENT PLAN	46.1	46.1	46.1	46.2	46.2	46.3	46.3													D-13	
FIRST FLOOR PLAN	47		48	48	49.1	49.1	49.2		47		48	48	49.1	49.1	49.2					D-14	
FIRST FLOOR PLAN PARTIALS	50								50								51	51	52	D-15	
SECOND FLOOR PLAN	54		56	56	56	56	56		54		56	56	56	56				55		D-15a	
SECOND FLOOR PLAN PARTIALS	57								57											D-16	
BUILDING SECTION AT FOYER	58								58							61				D-16a	
BUILDING SECTION AT GARAGE	60								60								60			D-17	
STAIR SECTION (FRONT STAIR) - STANDARD	62								62											D-17a	
STAIR SECTION (FRONT STAIR) - UPGRADE	64								64											D-18c	
STAIR SECTION (FRONT STAIR) - UPGRADE w/ METAL	66, 67.1								66, 67.1											D-20	
STAIR SECTION (FRONT STAIR) - UPGRADE w/ CRAFTSMAN	67.2, 67.3								67.2, 67.3											D-21	
STAIR SECTION (REAR STAIR) - STANDARD	68								68											D-22	
STAIR SECTION (REAR STAIR) - UPGRADE	69.1								69.1											D-22a	
STAIR SECTION (REAR STAIR) - UPGRADE w/ CRAFTSMAN	69.2								69.2											D-27	
KITCHEN PLANS - CABINET HOOD "B"	70								70								71			D-28	
KITCHEN PLANS - CABINET HOOD "C"	72								72								73			D-28a	
KITCHEN PLANS - GOURMET	74								74								75			D-29	
KITCHEN PLANS - ISLANDS	76								76											D-30	
NET BAR, LAUNDRY, CHARGING CENTER	77								77											D-34	
INTERIOR DETAILS - BATH ELEVATIONS	78								78											D-35	
INTERIOR DETAILS - COLUMNS / BULKHEAD	79								79											D-36	
INTERIOR DETAILS - FOYER AND FAMILY ROOM WINDOWS	80	80	80	80	80	80	81		80	80	80	80	80	81						D-37	
INTERIOR DETAILS - FIREPLACE DETAILS	82								82											D-40	
INTERIOR DETAILS - FIREPLACE DETAILS w/ BONUS RM.	83								83											D-40b	
INTERIOR MISC. DETAILS	84								84											D-44	
EXTERIOR ELEVATION DETAILS			85	85	86.1	86.2				85	85	86.1	86.2							D-45	
EXTERIOR MISC. DETAILS	87								87												
BASEMENT ELECTRICAL		88.1	88.1	88.2	88.2	88.3	88.3													MB-1	
FIRST FLOOR ELECTRICAL	89	90	90	91.1	91.1	91.2			89	90	90	91.1	91.1	91.2						MB-2	
FIRST FLOOR ELECTRICAL PARTIALS	92								92						92	95					
SECOND FLOOR ELECTRICAL	96	98	98	98	98	98			96	98	98	98	98	98						F-1	
SECOND FLOOR ELECTRICAL PARTIALS	99								99												
FIRST FLOOR JOIST LAYOUT	100	101	101	102	102	102			103	104	104	105	105	105						SP-1	
SECOND FLOOR JOIST LAYOUT	106	108	108	109	109	109			106	108	108	109	109	109						SP-2	
ROOF FRAMING		110	111	112	113	114.1	114.2			110	111	112	113	114.1	114.2	115	116	117.2			
TRUSS BRACING	119	120				120.2			119	120				120.2						SEP-1	
BRACED WALL	121	122							121	122										SEP-2	
ROOF VENTILATION		123	124	125	126	127.1	127.2			123	124	125	126	127.1	127.2					SEP-3	
BASEMENT HVAC PLAN	128.1	128.2																		SEP-4	
CRAWL SPACE HVAC PLAN									129												
FIRST FLOOR HVAC PLAN	130								131												
SECOND FLOOR HVAC PLAN	131								132												

BASE SQUARE FOOTAGE

FIRST FLOOR	GROSS SQ. FT.	2480
SECOND FLOOR	GROSS SQ. FT.	1987
HOUSE TOTAL	GROSS SQ. FT.	4467

ELEVATIONS SQ. FT.

ELEVATION "A"	GROSS SQ. FT.	+0
ELEVATION "B"	GROSS SQ. FT.	+20
ELEVATION "C"	GROSS SQ. FT.	+120
ELEVATION "D"	GROSS SQ. FT.	+219
ELEVATION "K"	GROSS SQ. FT.	+32
ELEVATION "L"	GROSS SQ. FT.	-146

ADDITIONAL SQ. FT.

MORNING ROOM	GROSS SQ. FT.	+160
CONSERVATORY OR SUITE FIRST FLOOR	GROSS SQ. FT.	+352
SIDE ATTACHED GARAGE	GROSS SQ. FT.	+137
SIDE ATTACHED GARAGE w/ FAMILY OFFICE	GROSS SQ. FT.	+233
5TH BEDROOM LAYOUT	GROSS SQ. FT.	+352
SITTING AREA	GROSS SQ. FT.	+165
BONUS ROOM / BEDROOM	GROSS SQ. FT.	+398
2ND FLOOR LAUNDRY		
- ELEVATION "A"	GROSS SQ. FT.	+105
- ELEVATION "B"	GROSS SQ. FT.	+125
- ELEVATION "C"	GROSS SQ. FT.	+123
- ELEVATION "D"	GROSS SQ. FT.	+141
- ELEVATION "K"	GROSS SQ. FT.	+82
- ELEVATION "L"	GROSS SQ. FT.	+82

MAXIMUM FINISHED SQ. FT.

HOUSE TOTAL	GROSS SQ. FT.	6344
**MAXIMUM SQ. FT. DOES NOT INCLUDE BASEMENT		

FINISHED BASEMENT SQ. FT.

RECREATION ROOM	GROSS SQ. FT.	+1244
MEDIA ROOM	GROSS SQ. FT.	+317
HOME OFFICE	GROSS SQ. FT.	+233
BASEMENT BATH	GROSS SQ. FT.	+68
BASEMENT CLOSET	GROSS SQ. FT.	+44
EXERCISE ROOM	GROSS SQ. FT.	+219

FOOTPRINT

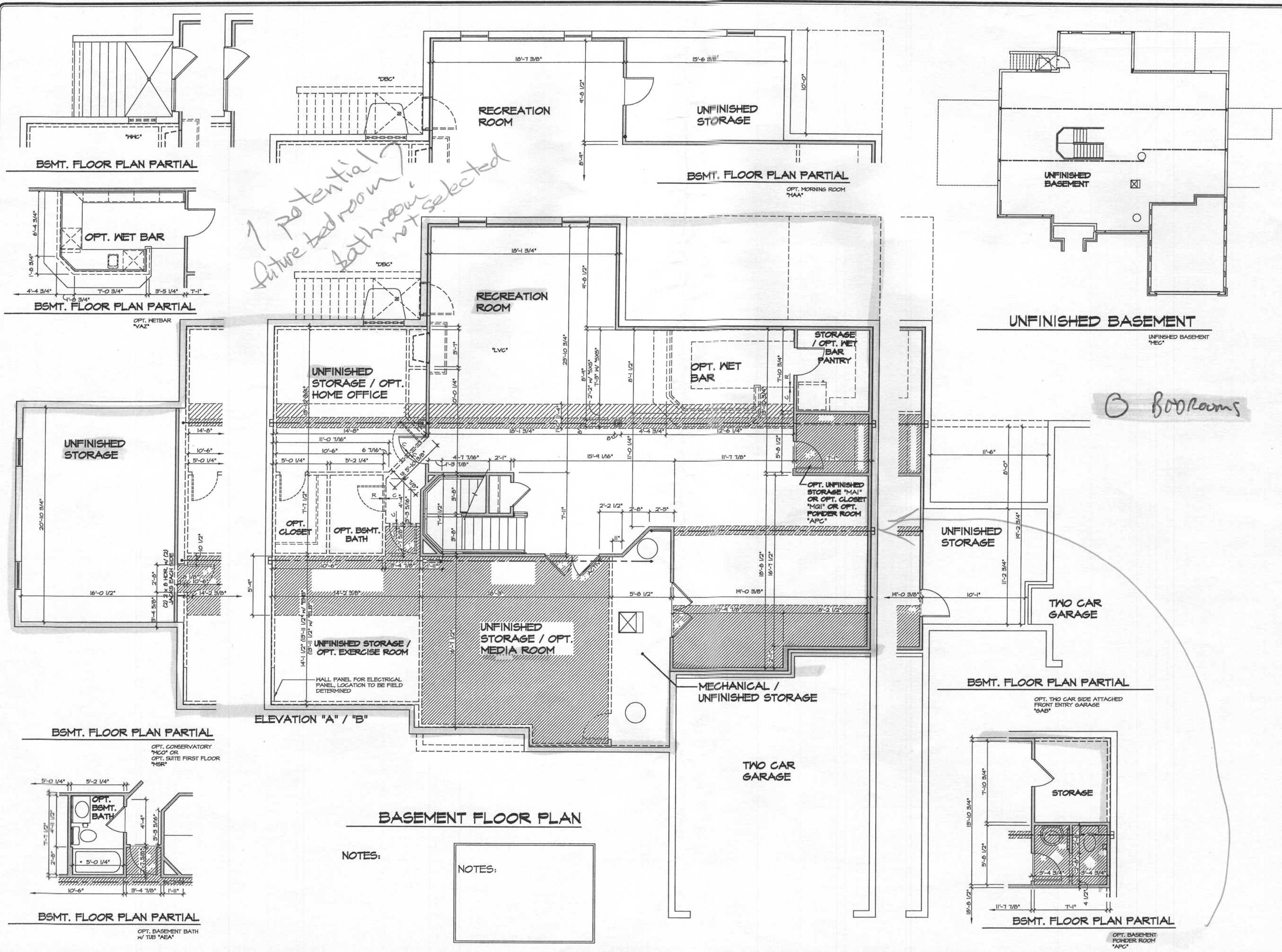
BASE HOUSE:	
WIDTH:	60'-4"
DEPTH:	68'-4"
MAXIMUM:	
WIDTH:	110'-8"
DEPTH:	78'-8"

SET - VERSION

10300-01

CS-1

J:\DWG\NVR\DETACHED\CLIFTON PARK II\10300-01\CS1.DWG 12/25/14 1:58:36 am



1 potential future bed room? bath room not selected

3 Bedrooms

NOTES:

NOTES:

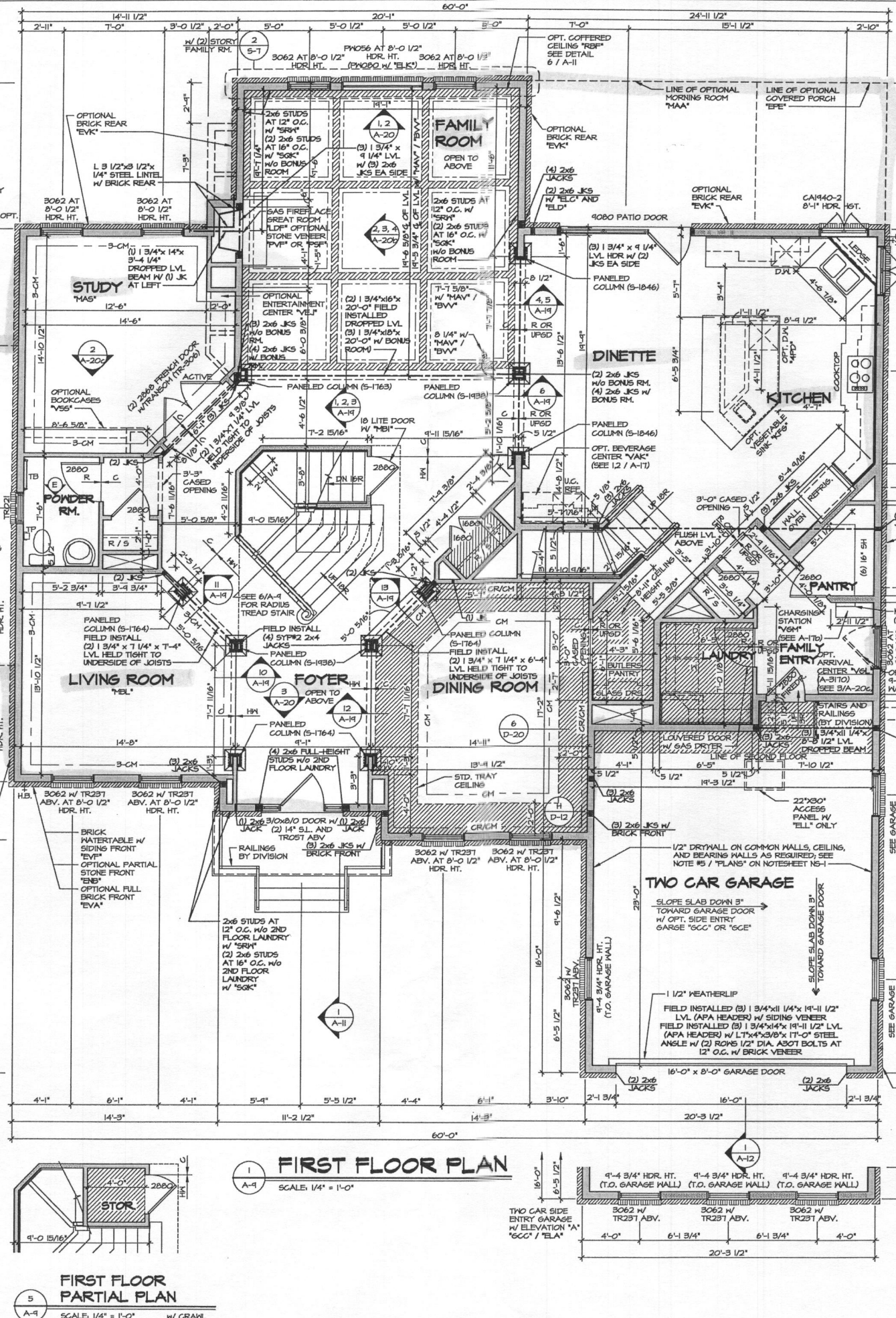
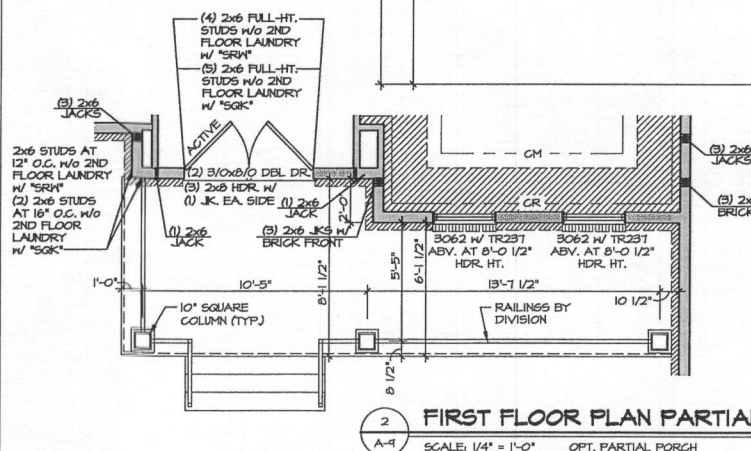
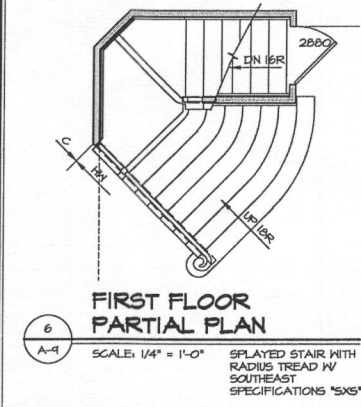
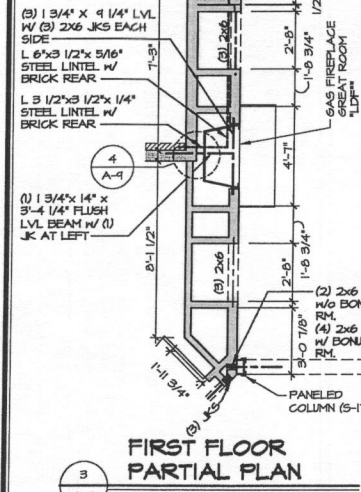
SHEET NO. A-8	MODEL CLIFTON PARK II	SET NO. 10300	DATE: 1/10/13	OPTION FBA
	DRAWING TITLE BASEMENT PLAN	VERSION 01		
46.1	OPTION DESCRIPTION FULL BASEMENT			

REVISIONS	DATE	REV. NO.	DESCRIPTION
1	10/21/14	CEL	REVISED GRAPHICAL ERROR
2	11/25/14	SEA	ADJUST REVISIONS
3	12/20/14	SPH	ADJUST THE HOBBS OR TO (B) OPTIONS AT PONDOR ROOM PAX 24156
4	5/27/14	SPS	ADJUST RIN-5X-201
5	4/29/14	DBA	TBL CONSTRUCTION
6	5/29/14	DBA	ADDED "MCI" NOTE
7	5/29/14	DBA	ADDED "MCI" NOTE
8	6/23/14	LJB	REPLACED TJS AT MORNING ROOM W/ COLUBR (PAX #4694)
9	8/6/14	LSB	TURNED ON LANTERS THAT SHOW FLOOR SIZE AND DIMENSIONS

NVR	NVR, Inc. Architectural Services 21 Bay Architects, Suite A Frederick, MD 21702
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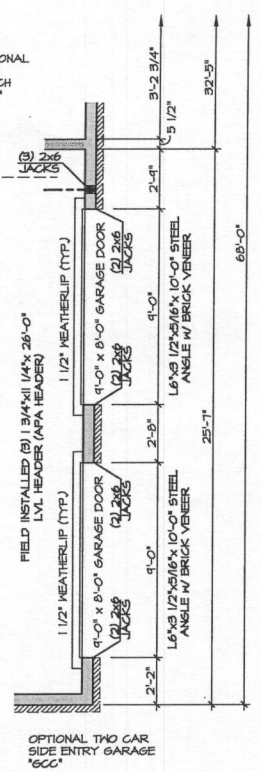
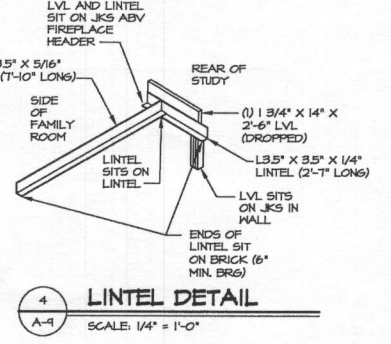
P:\DWG\04\DETACHED\CLIFTON PARK II\10300_01\BSMT.dwg 09/21/15 - 8:43 am

Bedrooms

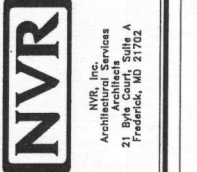


NOTES:
1. ALL HEADERS ARE (3) 2x6 UNLESS OTHERWISE NOTED.
2. ALL EXTERIOR WALLS ARE 6" UNLESS OTHERWISE NOTED.
3. ALL INTERIOR WALLS ARE 3/2" UNLESS OTHERWISE NOTED.
4. ALL CASED OPENINGS AT 7'-11" UNLESS OTHERWISE NOTED.
5. WASHER ALWAYS ON THE LEFT PER PLAN OR REVERSE PLAN (WHERE APPLICABLE).

NOTE:
SEE SHEET 5-6 FOR BRACED WALL PANEL LOCATIONS



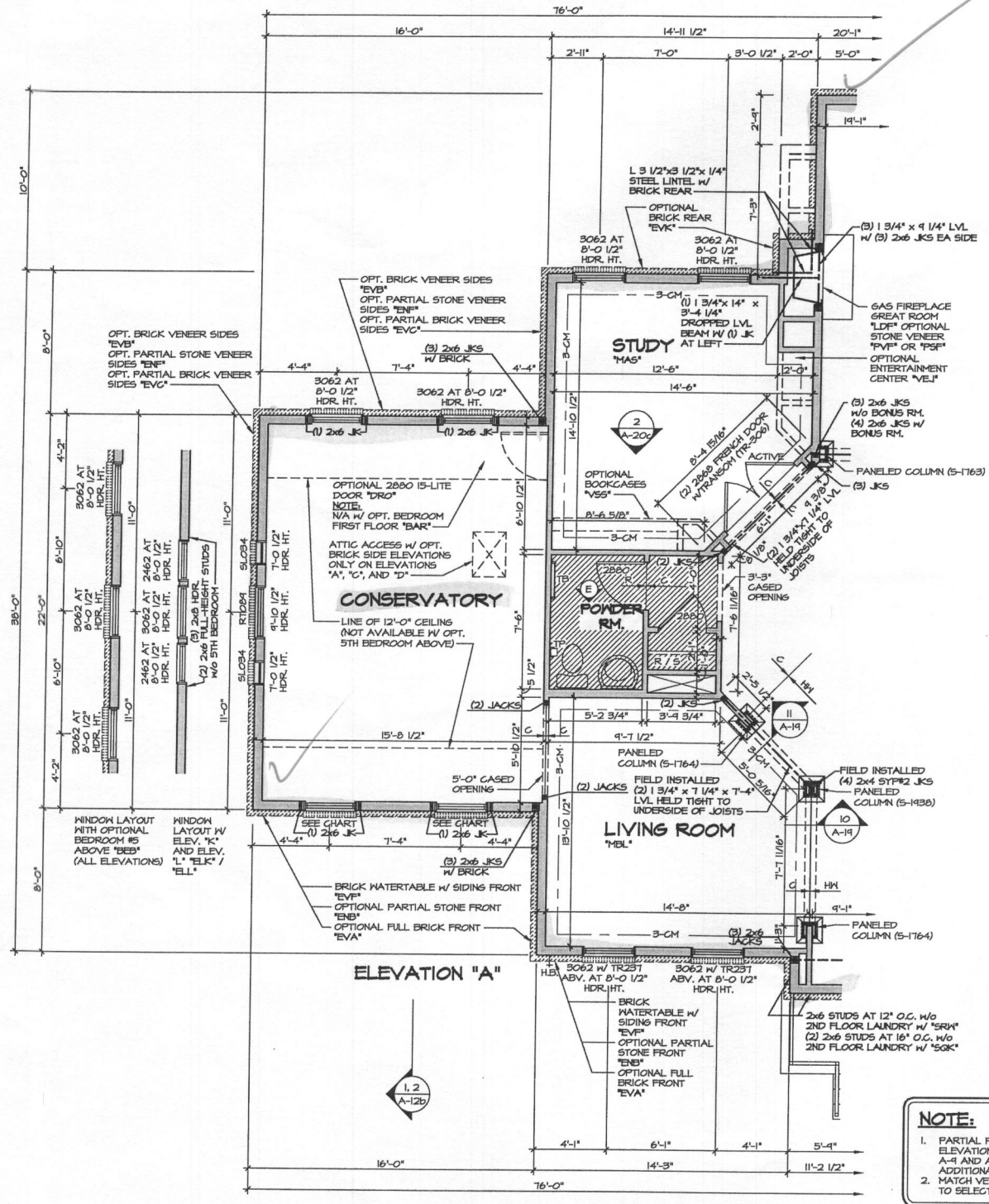
REV. NO.	DATE	DESCRIPTION
1	12/7/12	ISSUED FOR PERMIT
2	12/7/12	REVISIONS TO GARAGE DOOR
3	12/7/12	REVISIONS TO GARAGE DOOR
4	12/7/12	REVISIONS TO GARAGE DOOR
5	12/7/12	REVISIONS TO GARAGE DOOR
6	12/7/12	REVISIONS TO GARAGE DOOR
7	12/7/12	REVISIONS TO GARAGE DOOR
8	12/7/12	REVISIONS TO GARAGE DOOR
9	12/7/12	REVISIONS TO GARAGE DOOR
10	12/7/12	REVISIONS TO GARAGE DOOR
11	12/7/12	REVISIONS TO GARAGE DOOR
12	12/7/12	REVISIONS TO GARAGE DOOR
13	12/7/12	REVISIONS TO GARAGE DOOR
14	12/7/12	REVISIONS TO GARAGE DOOR
15	12/7/12	REVISIONS TO GARAGE DOOR
16	12/7/12	REVISIONS TO GARAGE DOOR
17	12/7/12	REVISIONS TO GARAGE DOOR
18	12/7/12	REVISIONS TO GARAGE DOOR
19	12/7/12	REVISIONS TO GARAGE DOOR
20	12/7/12	REVISIONS TO GARAGE DOOR
21	12/7/12	REVISIONS TO GARAGE DOOR



CLIFTON PARK II
MODEL NO. 10300
VERSION 01
DRAWN BY: AJH
DATE: 12/7/12
OPTION

CLIFTON PARK II
FIRST FLOOR PLAN
OPTION DESCRIPTION

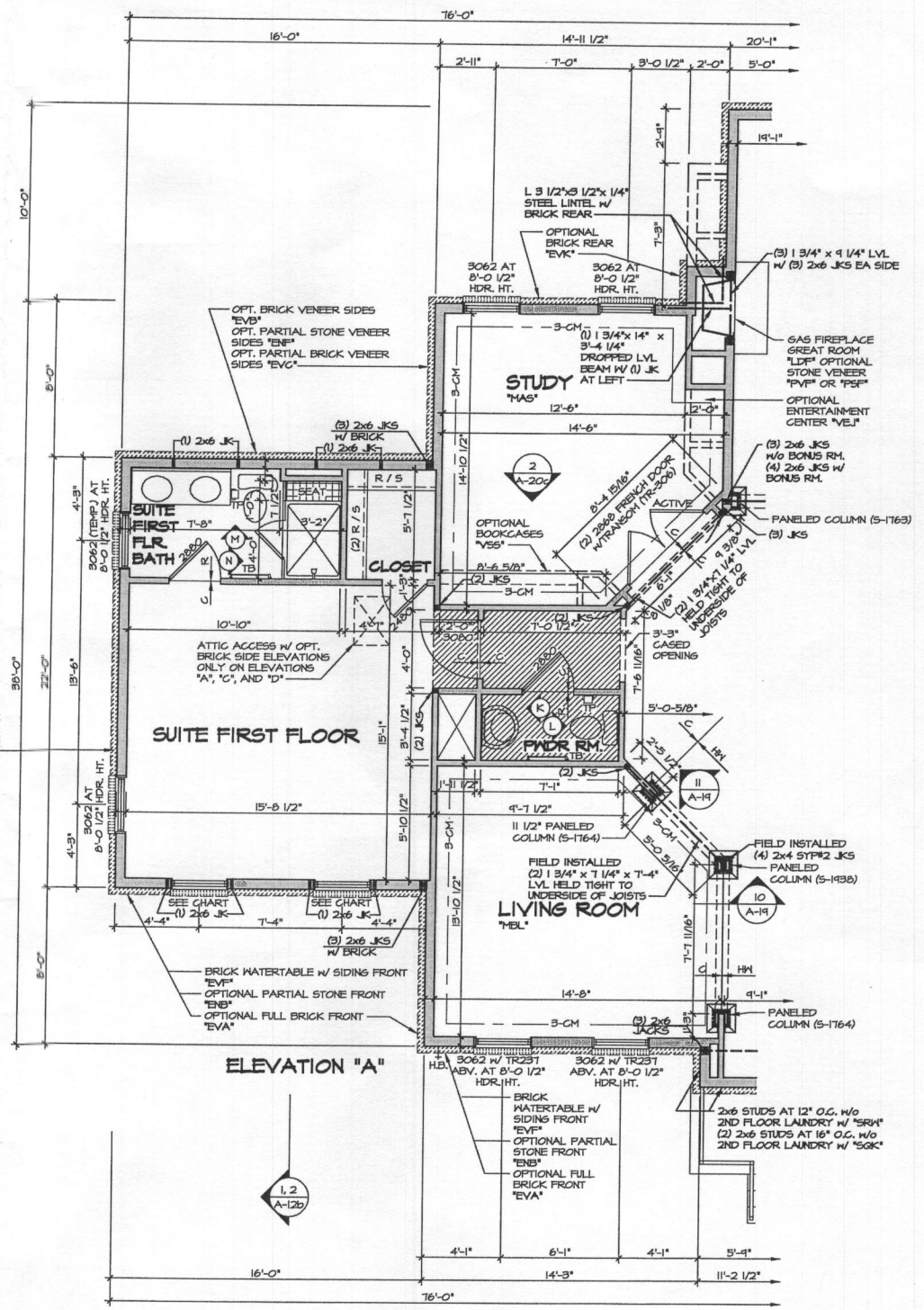
SHEET NO. **A-9**
47



1 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

FRONT WINDOWS OF CONSERVATORY OR SUITE FIRST FLOOR (12'-0" x 14'-0" STANDARD FOUR BEDROOM PLAN AT 8'-0" 1/2" HDR. HT.)	FRONT WINDOWS OF CONSERVATORY OR SUITE FIRST FLOOR (12'-0" x 14'-0" STANDARD FIVE BEDROOM PLAN AT 8'-0" 1/2" HDR. HT.)
ELEVATION "A" AND "B" -3062	ELEVATION "A" AND "B" -3062 W/ TR231 ADV.
ELEVATION "C", "D", "K", AND "L" -3052	ELEVATION "C", "K" AND "L" -3062
	ELEVATION "D" -3052 W/ TR231 ADV.

NOTE:
1. PARTIAL PLANS SHOWN W/ ELEVATION "A". SEE SHEET A-4 AND A-5b FOR ADDITIONAL INFORMATION.
2. MATCH VENEER ACCORDING TO SELECTED ELEVATION.



2 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

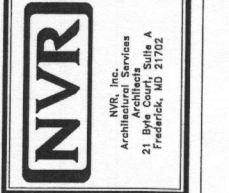
NOTES:
1. ALL HEADERS ARE (2) 2x6, UNLESS OTHERWISE NOTED.
2. ALL EXTERIOR WALLS ARE 6" UNLESS OTHERWISE NOTED. ALL INTERIOR WALLS ARE 3 1/2" UNLESS OTHERWISE NOTED.
3. HATCHED AREAS INDICATE DROPPED CEILING.
4. ALL CASED OPENINGS AT 7'-11", UNLESS OTHERWISE NOTED.
5. WASHER ALWAYS ON THE LEFT PER PLAN OR REVERSE PLAN (WHERE APPLICABLE).

NOTE:
SEE SHEET 5-6 FOR BRACED WALL PANEL LOCATIONS

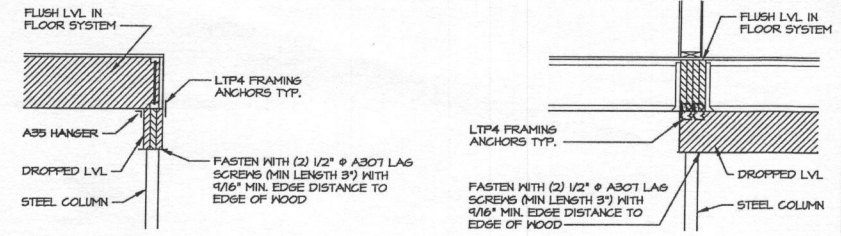
REVISIONS

REV. NO.	DATE	DESCRIPTION
1	1/14/15	994 - SHIFTED WINDOWS FOR SUITE FIRST FLOOR "MAY" BY PAR 30121
2	4/28/15	595 - PAR 30216 - ROTATED JACKS IN FOSTER COLUMNS & REVISED TO FIELD INSTALLED
3	5/28/14	A.H. - ADIT. RNY. 5X.001
4	4/1/14	ZCM - ADDED SHOWER DOOR - PAR 30245
5	4/16/14	DAS - TIB CONVERSION
6	4/24/14	SL5 - ADJUSTED WALLS AT STUDY BOOKCASE AREA
7	5/1/14	A.H. - PAR # 29549 (ADDED ATTIC ACCESS)
8	5/9/14	A.H. - ADDED ELEVATION "L" TO SET
9	6/19/14	J.R. - REVISED FULL COLUMN FROM 5-1162 TO 5-1899 (PAR 326674)

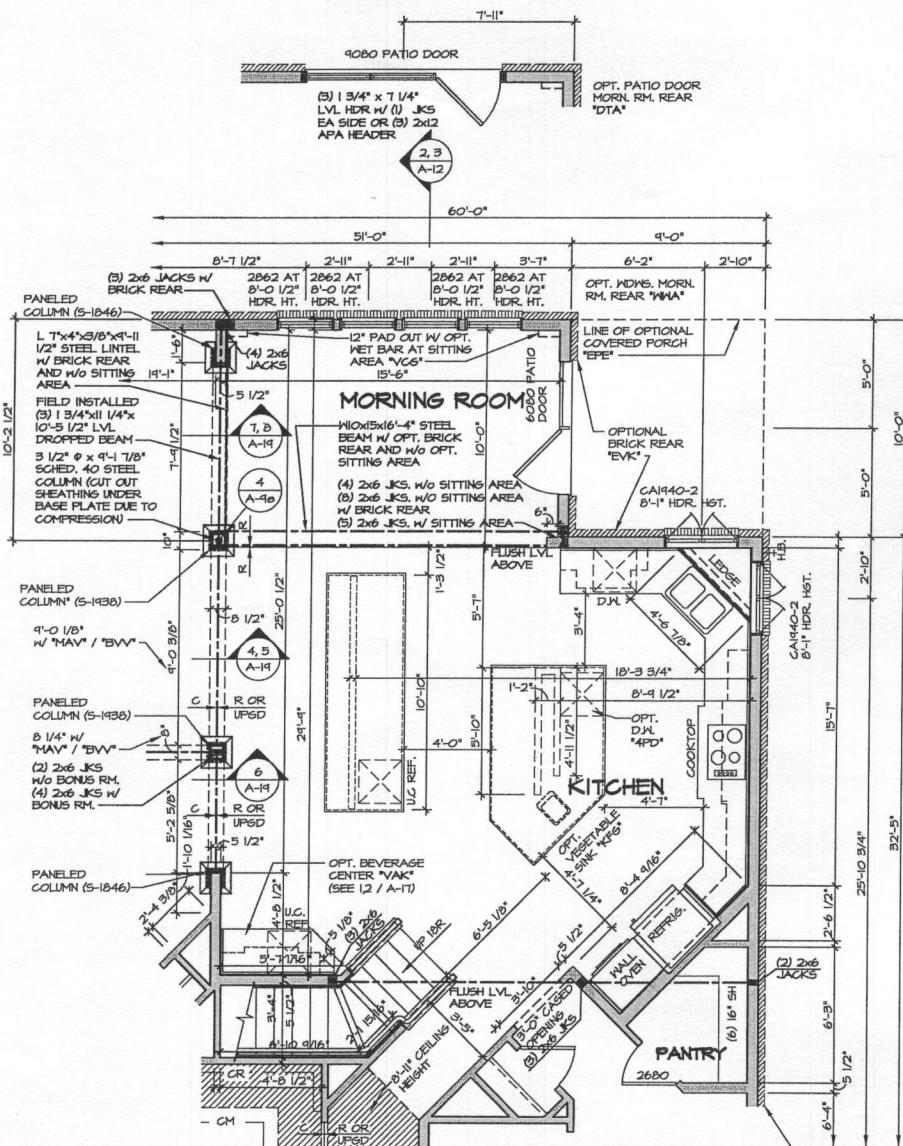
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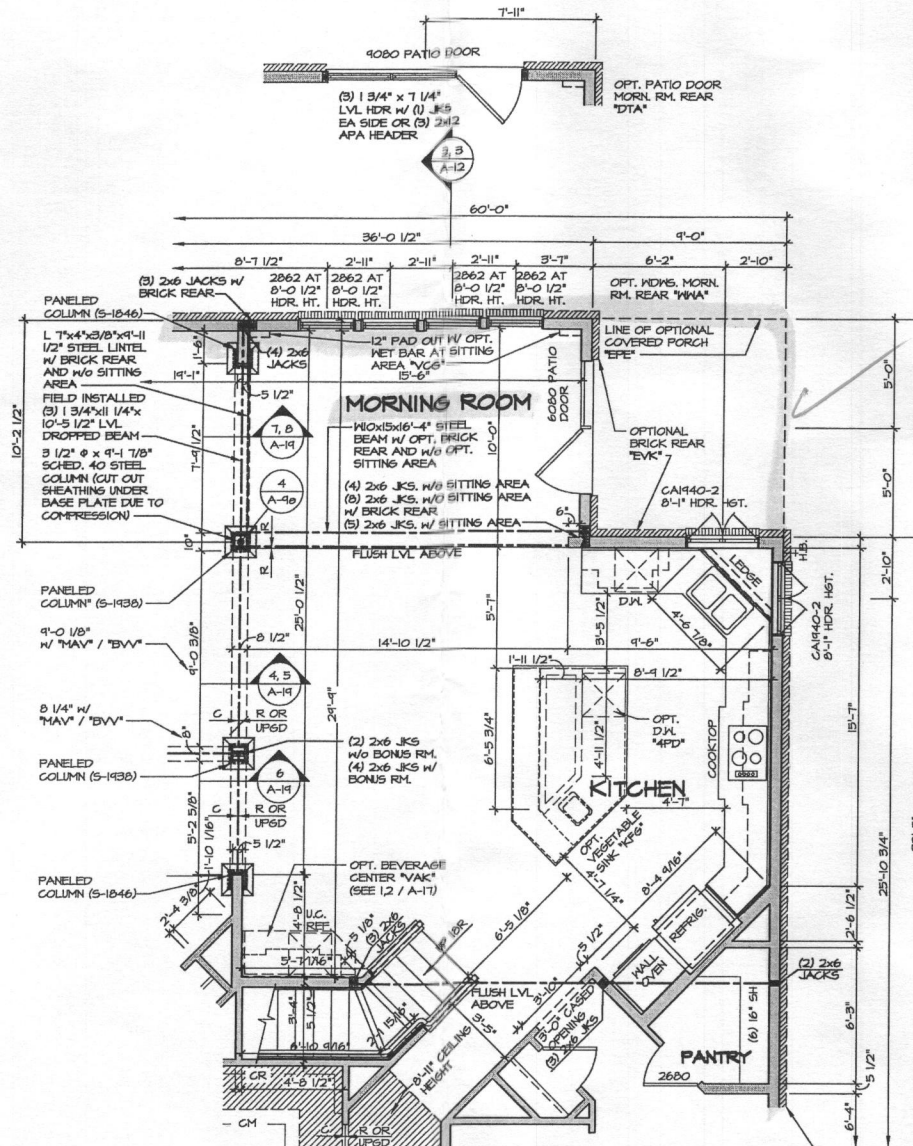
SHEET NO.	MODEL	SET NO.	DATE	OPTION
A-9d	CLIFTON PARK II	103600	1/2/15	MCO
DRAWING TITLE	DRAWN BY	DATE	OPTION	MSR
FIRST FLOOR PARTIAL PLANS	AJH	1/2/15	MCO	MSR
CONSERVATORY				
SUITE FIRST FLOOR				



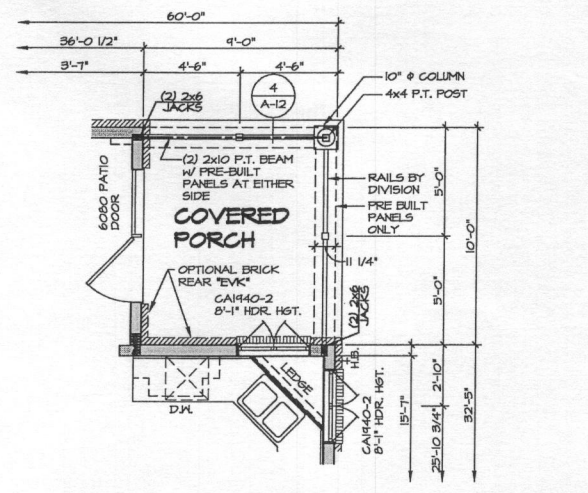
4 ATTACHMENT DETAIL
SCALE: 1/2" = 1'-0"



2 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"



1 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"



3 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

NOTE:

- PARTIAL PLANS SHOWN W/ ELEVATION "A". SEE SHEET A-1 AND A-2 FOR ADDITIONAL INFORMATION.
- MATCH VENEER ACCORDING TO SELECTED ELEVATION.

NOTES:

- ALL HEADERS ARE (3) 2x6, UNLESS OTHERWISE NOTED.
- ALL EXTERIOR WALLS ARE 6" UNLESS OTHERWISE NOTED. ALL INTERIOR WALLS ARE 3 1/2" UNLESS OTHERWISE NOTED.
- HATCHED AREAS INDICATE DROPPED CEILING.
- ALL CASING OPENINGS AT T-11, UNLESS OTHERWISE NOTED.
- WASHER ALWAYS ON THE LEFT PER PLAN OR REVERSE PLAN (WHERE APPLICABLE).

NOTE:

SEE SHEET 5-6 FOR BRACED WALL PANEL LOCATIONS

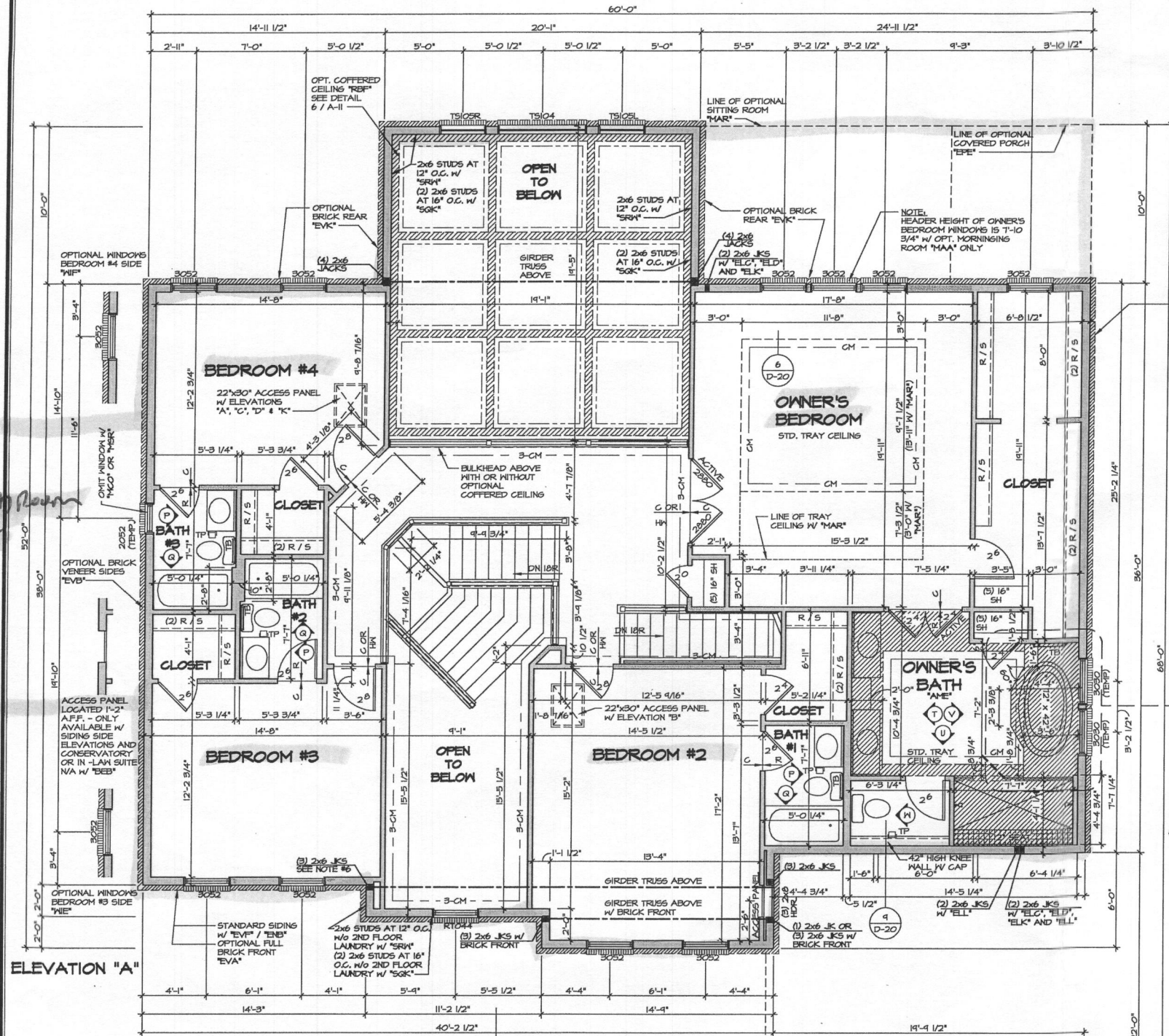
REV. NO.	DATE	DESCRIPTION
1	10/21/14	CL - ADDED DIMENSION FOR 9080 PATIO DOOR
2	11/24/14	CL - ADDED ATTACHMENT DETAIL W/ A-10 (PAGE ID 28556)
3	12/24/14	REVISIONS
4	1/6/15	EA - REVISED HANGAR IN REAR STAIR (PAR 24659)
5	1/20/15	PK - REVISED HALL CABINET LAYOUT AND ADDED 6" TO HALL FOR CABINETS
6	4/09/15	AB - COVERED RIGHT REAR PORCH (PAR 24644)
7	07/14/15	CS - FIELD ADJUST REVISIONS
8	07/14/15	RF - COVERED BOTTOM OF REAR STAIR IN 3" SO HINDER MEETS CODE (PAR 25073)
9	10/21/14	CL - REVISED REAR HEIGHT OF GARAGE-2 KITCHEN WINDOWS (PAR ID 28512)

NVR

NVR, Inc.
Architectural Services
21 Park Architects, Inc. A
Frederick, MD 21702

SET NO. 10300	VERSION 01
DRAWN BY: ALH	DATE: 1/4/15
OPTION: MAA	

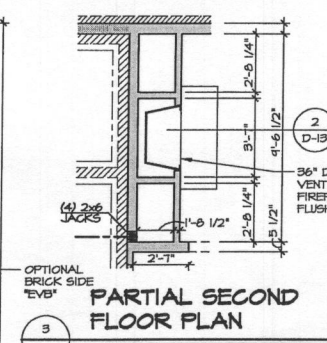
MODEL: CLIFTON PARK II	DRAWING TITLE: FIRST FLOOR PARTIAL PLANS
SHEET NO. A-90	OPTION DESCRIPTION: MORNING ROOM
52	



ELEVATION "A"

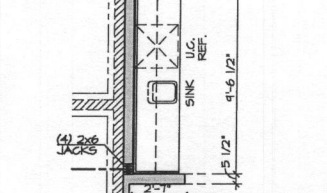
1 SECOND FLOOR PLAN

A-10 SCALE: 1/4" = 1'-0"



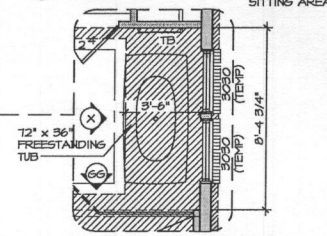
2 PARTIAL SECOND FLOOR PLAN

A-10 SCALE: 1/4" = 1'-0"



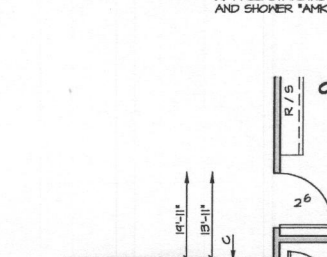
3 PARTIAL SECOND FLOOR PLAN

A-10 SCALE: 1/4" = 1'-0"



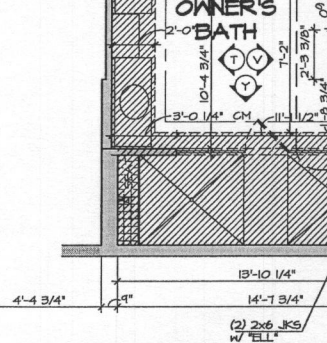
4 PARTIAL SECOND FLOOR PLAN

A-10 SCALE: 1/4" = 1'-0"



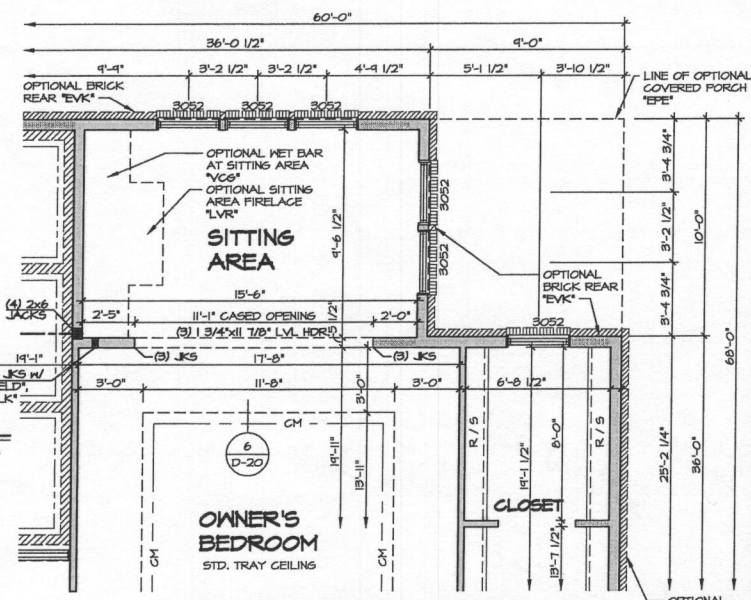
5 PARTIAL SECOND FLOOR PLAN

A-10 SCALE: 1/4" = 1'-0"



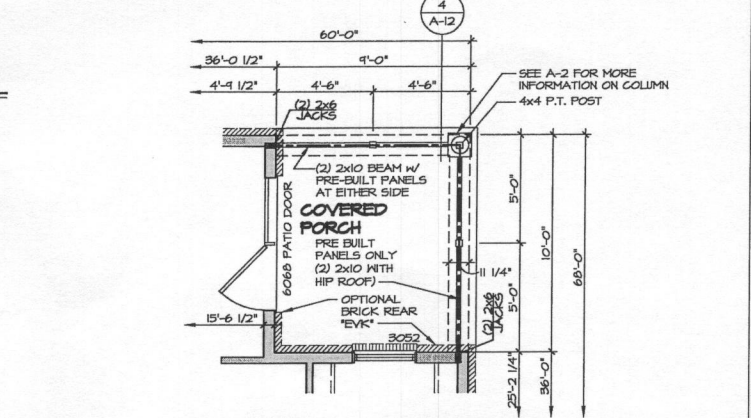
6 PARTIAL SECOND FLOOR PLAN

A-10 SCALE: 1/4" = 1'-0"



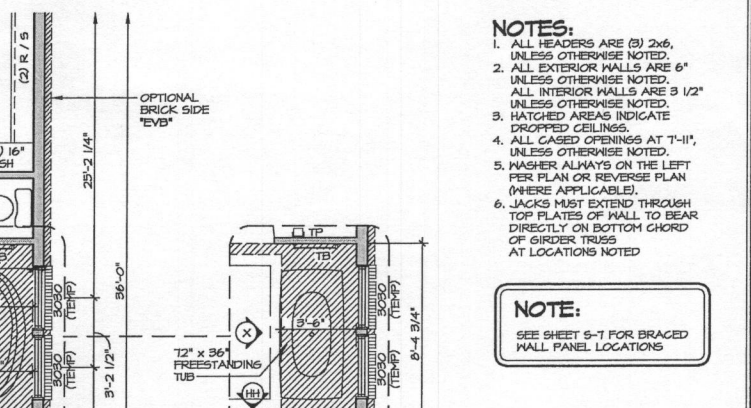
7 PARTIAL SECOND FLOOR PLAN

A-10 SCALE: 1/4" = 1'-0"



8 PARTIAL SECOND FLOOR PLAN

A-10 SCALE: 1/4" = 1'-0"



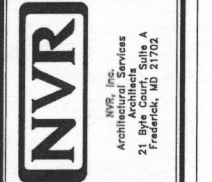
9 PARTIAL SECOND FLOOR PLAN

A-10 SCALE: 1/4" = 1'-0"

- NOTES:**
- ALL HEADERS ARE (3) 2x6, UNLESS OTHERWISE NOTED.
 - ALL EXTERIOR WALLS ARE 6" UNLESS OTHERWISE NOTED.
 - ALL INTERIOR WALLS ARE 3 1/2" UNLESS OTHERWISE NOTED.
 - HATCHED AREAS INDICATE DROPPED CEILINGS.
 - ALL CASED OPENINGS AT 7'-11", UNLESS OTHERWISE NOTED.
 - WASHER ALWAYS ON THE LEFT PER PLAN OR REVERSE PLAN (WHERE APPLICABLE).
 - JACKS MUST EXTEND THROUGH TOP PLATES OF WALL TO BEAR DIRECTLY ON BOTTOM CHORD OF GIRDER TRUSS AT LOCATIONS NOTED.

NOTE:
SEE SHEET 5-T FOR BRACED WALL PANEL LOCATIONS

REV. NO.	DATE	REMARKS
1	02/21/12	ISSUED FOR PERMITS
2	02/21/12	REVISED TO MATCH ROOF DRAWING (PAR 10201)
3	02/21/12	REVISED TO MATCH ROOF DRAWING (PAR 10201)
4	02/21/12	REVISED TO MATCH ROOF DRAWING (PAR 10201)
5	02/21/12	REVISED TO MATCH ROOF DRAWING (PAR 10201)
6	02/21/12	REVISED TO MATCH ROOF DRAWING (PAR 10201)
7	02/21/12	REVISED TO MATCH ROOF DRAWING (PAR 10201)
8	02/21/12	REVISED TO MATCH ROOF DRAWING (PAR 10201)
9	02/21/12	REVISED TO MATCH ROOF DRAWING (PAR 10201)



MODEL	CLIFTON PARK II
DRAWING TITLE	SECOND FLOOR PLAN
VERSION	01
DRAWN BY	A-JH
DATE	12/21/12
OPTION	OPTION

SHEET NO. **A-10**
54

SOILS TABLE (WITHIN LOD)

SYMBOL	RATING	NAME	K FACTOR
GgA	(B)	GLENELG LOAM, 0-3% SLOPES	.20
GgB	(B)	GLENELG LOAM, 3-8% SLOPES	.20

PRIMARY TRENCH DATA

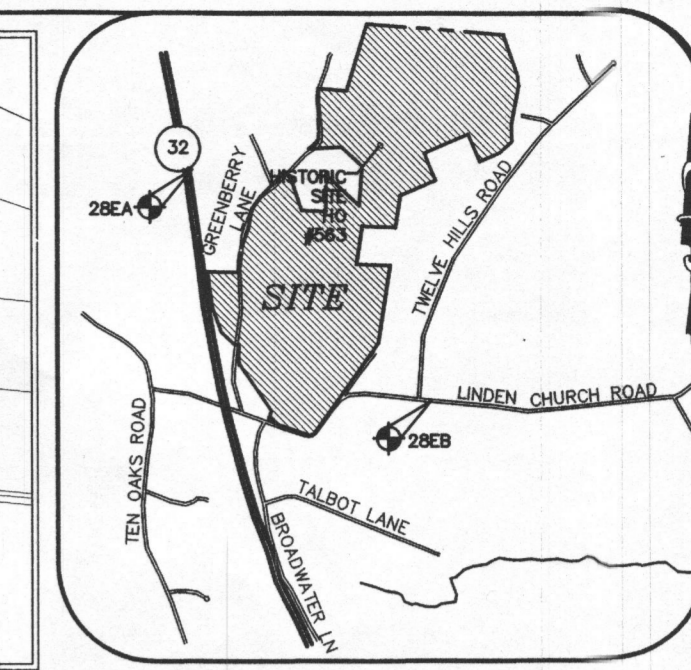
TRENCH	EX. GROUND ELEVATION	INVERT ELEVATION	BOTTOM OF TRENCH EL.
1	565.0	561.5	559.5
2	564.6	561.1	559.1
3	564.3	560.8	558.8

SEPTIC TRENCH SIZING

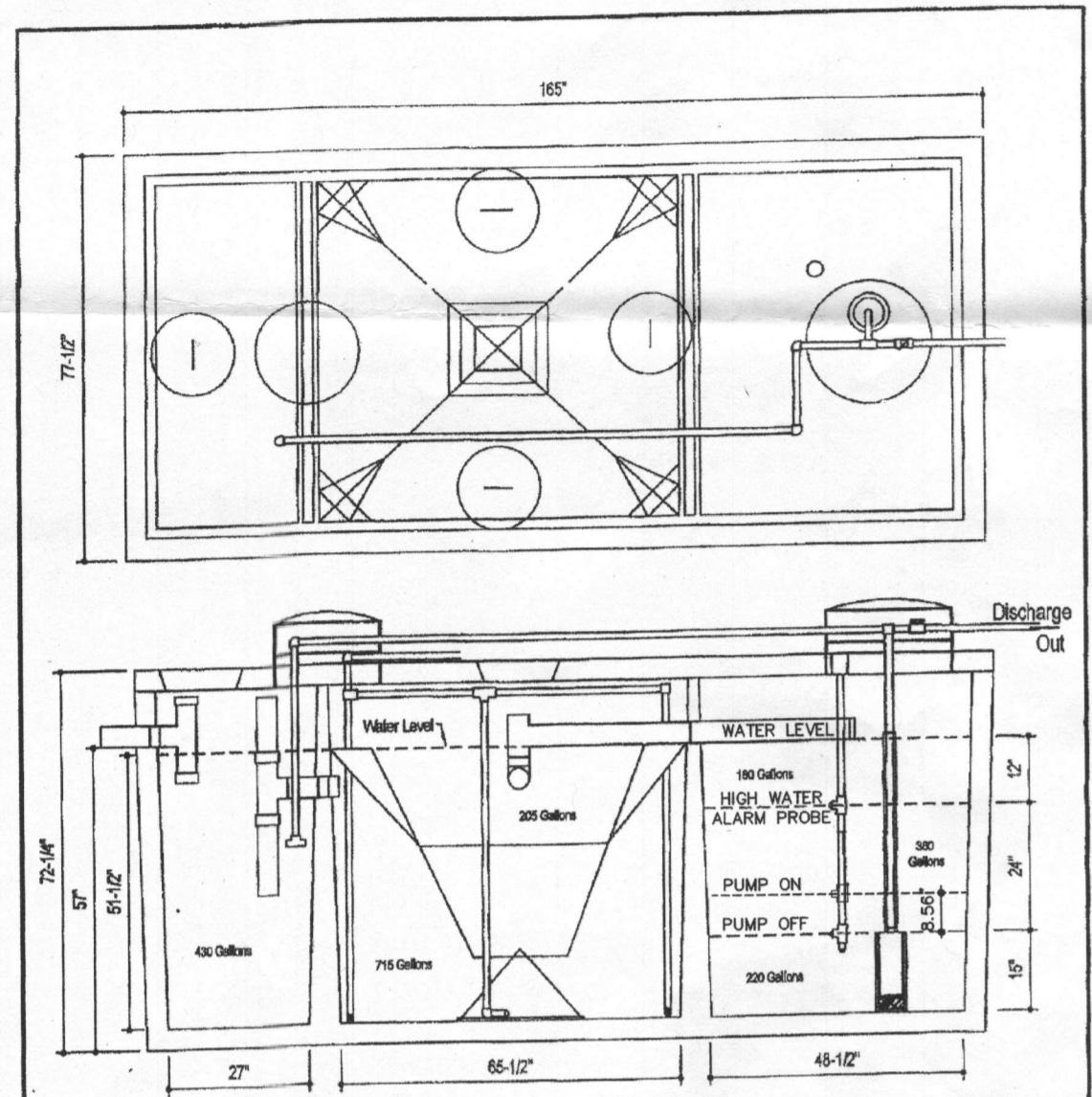
SYSTEM	APPLICATION RATE (GPD / SF)	MAXIMUM FLOW RATE (GPD)	AREA OF REQUIRED TRENCH (SF)	TRENCH WIDTH (FT)	LENGTH OF TRENCH (LF)	EFFECTIVE DEPTH (FT)	TRENCH BOTTOM DEPTH (FT)	TRENCH REDUCTION FACTOR**	ADJUSTED LENGTH OF TRENCH (LF)	MINIMUM TRENCH SPACING (FT)	NUMBER OF TRENCHES	PROVIDED TRENCH LENGTH (FT)
PRIMARY	1.2	750	625	3	208.3	3.5	5.5	0.62	129.2	10.0'	3	45
SECONDARY	1.2	750	625	3	208.3	3.5	5.5	0.62	129.2	10.0'	2	65
TERTIARY	1.2	750	625	3	208.3	4.0	6.0	0.62	129.2	10.0'	2	65



LOCATION PLAN
SCALE: 1"=600'



VICINITY MAP
SCALE: 1" = 2000'
ADC MAP 24 GRID F6



DESIGN DATA & GENERAL NOTES

1. Complete strength for 4,000 g.p.d. at 24 hrs. Density = 150 p.p.t.
 2. Capacity = 750 g.p.d. (1.2 g.p.d./sq. ft.)
 3. Additions & alterations per ASTM C 390-81 & C-494-82.
 4. Installation per ASTM A116, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200.

Mayer Brothers, Inc.
 624 Ross Road
 Middleburg Heights, OH 44130
 Tel: 440.936.6244
 Fax: 440.936.6158
 www.mayerbrothers.com

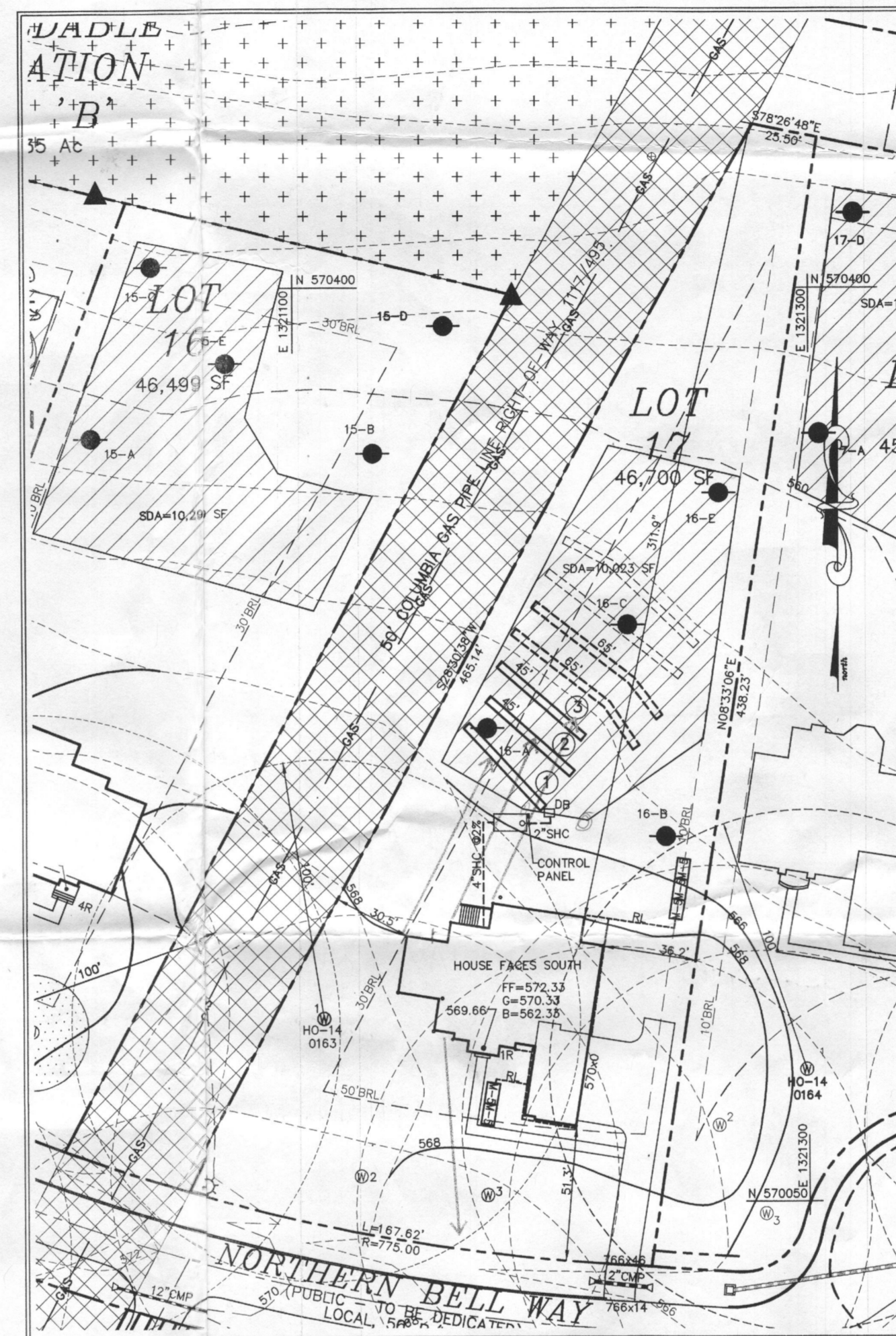
600 GPD BNR SYSTEM
H-600 BNR
 with 750 GALLON PUMP CHAMBER

Desig. No. Hoot Form #1 No Scale March 15, 2009

BAT SYSTEM ELEVATIONS

DESCRIPTION	VALUE
FINISHED GRADE AT SEPTIC TANK	566.2
INVERT INTO TANK	563.75
EXTERIOR BOTTOM OF TANK	559.00
INTERIOR BOTTOM OF TANK	559.33
PUMP OFF	560.58
PUMP ON	561.30
HIGH WATER ALARM	562.58
WATER LEVEL	563.58
INVERT OUT OF TANK	565.33
TOTAL HEAD	6.25'
DOSED RATE	50 GPM
PUMP RUNTIME	2.5 MIN.

NOTE:
BASEMENT WILL NOT SEWER BY GRAVITY



GRAPHIC SCALE
1 inch = 50 ft.

GENERAL NOTES:

- THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
- PARCEL BACKGROUND:**
TAX MAP: 28
GRID: 9
PARCEL: 48
LOT: 17
DEED REFERENCE: LIBER 5891 FOLIO 307
ELECTION DISTRICT: FIFTH
ZONING: RR-DEO
AREA: 46,700 S.F.
DPZ FILES: ECP-13-025, SP-13-010, F-14-095, GP-15-081
- 2' TOPOGRAPHY FOR THE DEVELOPED AREAS IS BASED ON AERIAL SURVEY FLOWN BY WINGS TOPOGRAPHY INC. ON OR ABOUT MARCH 2007.
- PRIVATE WELL AND SEPTIC WILL BE UTILIZED.
- SOILS DATA BASED ON THE USDA SOIL SURVEY OF HOWARD COUNTY, MD, DATED MAY, 2008.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- EXISTING WELLS, SEPTIC SYSTEMS, AND SEWERAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWERAGE DISPOSAL AREAS HAVE BEEN SHOWN.

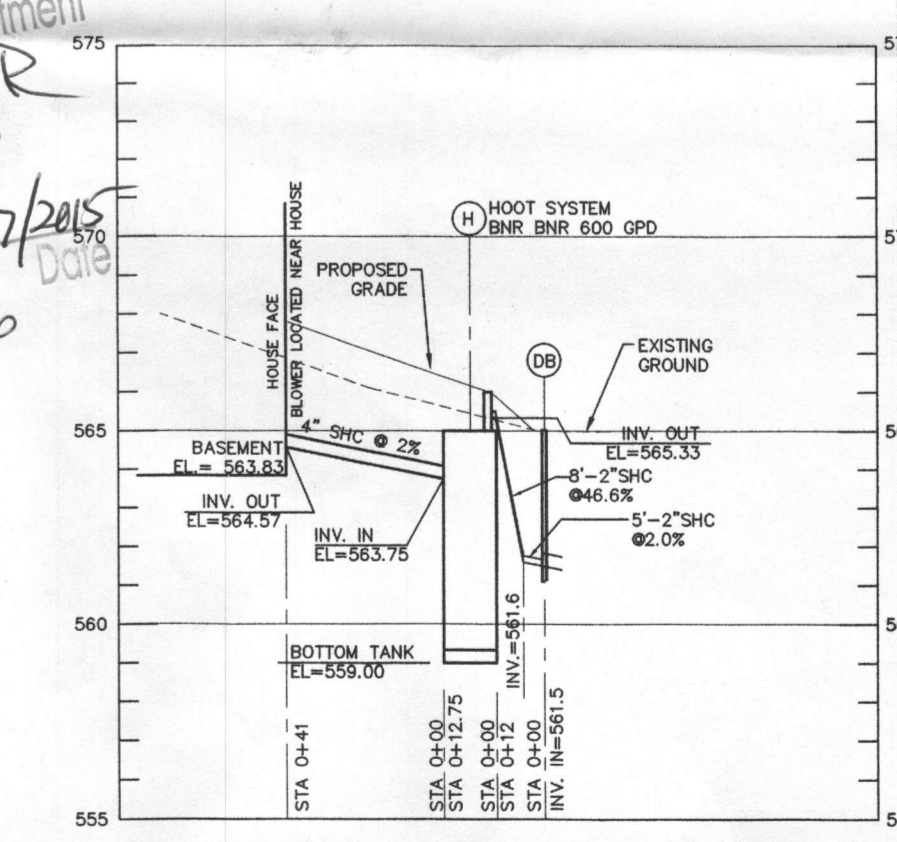
BEST AVAILABLE TECHNOLOGY SITE PLAN NOTES

- ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
- THE MAXIMUM DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3.0' FEET.
- THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON MANUFACTURER'S SPECIFICATIONS.
- THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
- THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
- WITHIN ONE (1) MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) IN A MANNER ACCEPTABLE TO MDE, THE ADDRESS AND DATE OF COMPLETION OF THE BAT INSTALLATION AND THE TYPE OF BAT INSTALLED.
- ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY.
- THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

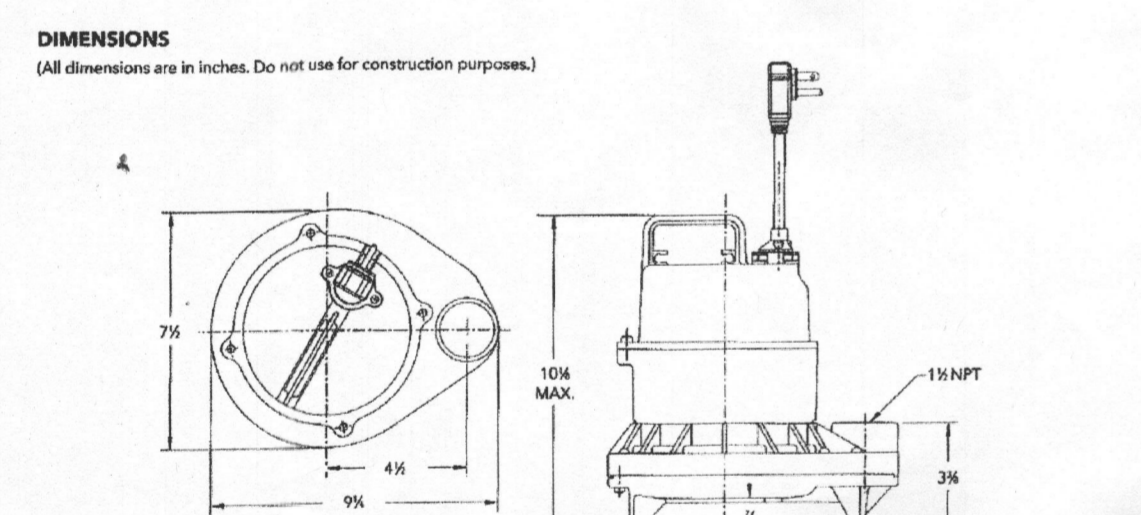
ON-SITE SEWAGE DISPOSAL SYSTEM:

RESIDENTIAL SYSTEM DESIGN: HOOT 600 BNR
 5 BEDROOM HOUSE (LIVING AREA = 2,288 SQ.FT.)
 150 GALLONS X # OF BEDROOMS = VOLUME OF WASTEWATER /DAY
 150 X 5 = 750 GPD
 PERC RATE = 2-5 MINUTES/INCH
 APPLICATION RATE = 1.2 GPD/SQ.FT.
 DESIGN FLOW + APPLICATION RATE = SQ.FT. OF TRENCH REQUIRED
 750 + 1.2 = 625 SQ.FT.
 SQ.FT. REQUIRED + WIDTH OF TRENCH = LENGTH OF TRENCH
 625 + 3.0' = 208 FT
 USE 2" OF GRAVEL BELOW DRAIN PIPE
 250 X 0.62 = 129
 USE THREE (3) TRENCHES (45')
 A MINIMUM OF 10' BETWEEN TRENCHES UTILIZING SIDEWALL REDUCTION CREDIT
 MINIMUM TANK CAPACITY = 750 GALLONS
 PUMP: GOULDS MODEL 3871, EP04 SERIES

Approved Septic System Plan
 Howard County Health Department
 Hoot H-600 BNR
 M/EP04 pump
 R/Boiler 12/17/09
 Signature: B15005116



PROFILE - PRIVATE SEWER
SCALE: 1"=50' HOR
1"=5' VER

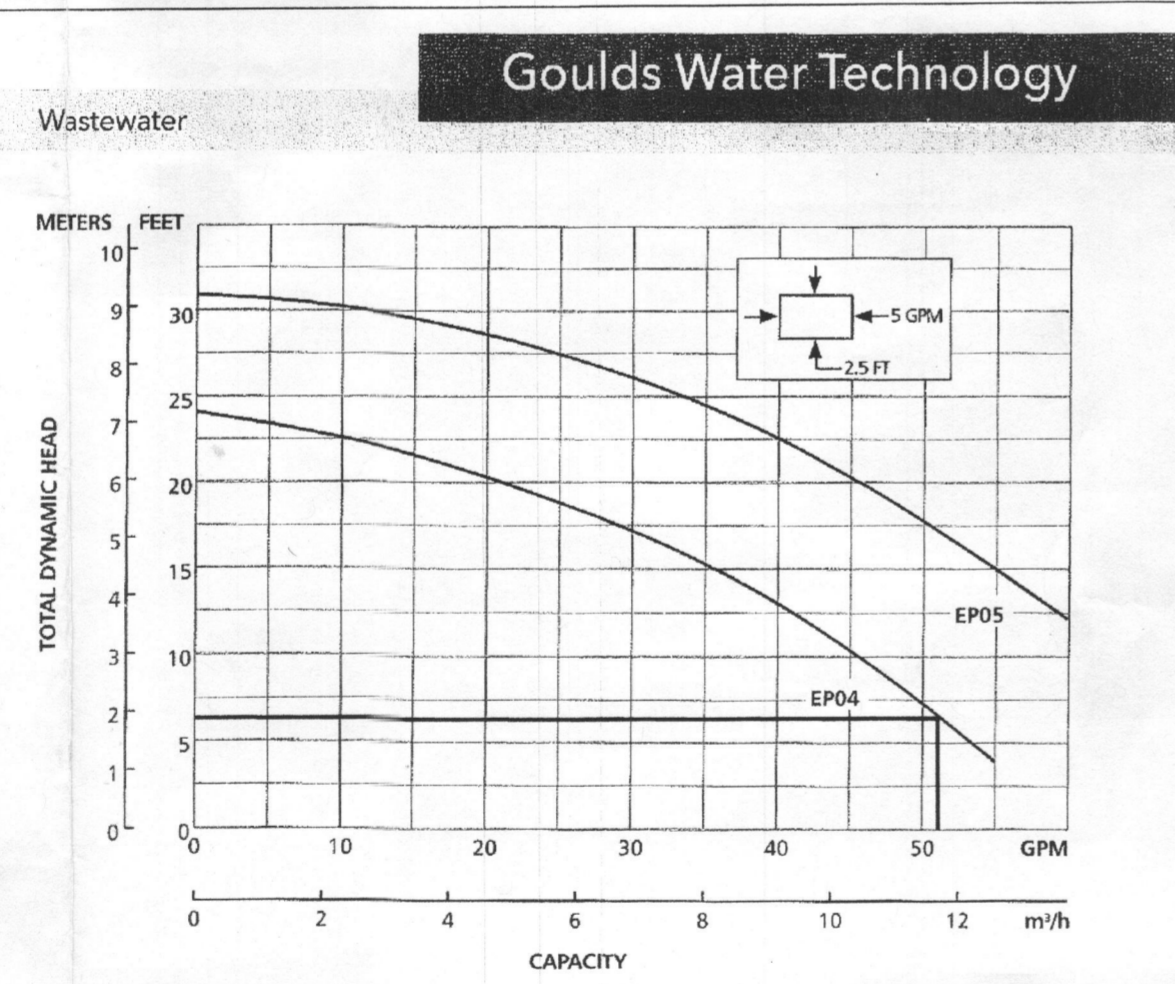


COMPONENTS

Item No.	Description
1	Impeller
2	Base
3	Pump casing
4	Mechanical seal
5	Ball bearings
6	O-rings
7	Power cord
8	Oil filled motor
9	Motor housing/water assembly
10	Motor cover

xylem
Let's Solve Water

Xylem, Inc.
 2881 East Bayard Street Ext., Suite A
 Seneca Falls, NY 13148
 Phone: (866) 325-4210
 Fax: (888) 322-5877
 www.goaldswater.com
 Goald is a registered trademark of Goald's Pumps, Inc. and is used under license.
 © 2012 Xylem Inc. 83371 01 April 2013

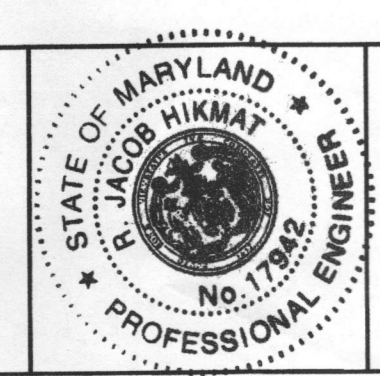


MODEL INFORMATION

Order No.	HP	Volts	Amps	Minimum Circuit Breaker	Phase	Flow Switch Style	Cord Length	Discharge Connection	Minimum On Level	Minimum Off Level	Minimum Basin Diameter	Maximum Solids Size	Shipping Weight (lbs.)
EP011						Plug / No Switch	10'	1 1/2"	Manual	Manual	15"		20/9.1
EP011A						Plugback / Wide-Angle	10'	1 1/2"	Manual	Manual	15"		21/9.5
EP011F	1/2	115	12	20	1	Plug / No Switch	20'	1 1/2"	Manual	Manual	15"		20/9.1
EP011AC						Plugback / Wide-Angle	20'	1 1/2"	Manual	Manual	15"		21/9.5
EP012						Plug / No Switch	10'	1 1/2"	Manual	Manual	15"		20/9.1
EP012F	1/2	230	6	10	1	Plug / No Switch	20'	1 1/2"	Manual	Manual	15"		20/9.1
EP012F						Plugback / Wide-Angle	20'	1 1/2"	Manual	Manual	15"		22/10.4
EP012AC	1/2	115	13	20	1	Plug / No Switch	20'	1 1/2"	Manual	Manual	15"		22/10.4
EP012AC						Plugback / Wide-Angle	20'	1 1/2"	Manual	Manual	15"		23/10.4
EP012F	1/2	230	6.5	10	1	Plug / No Switch	20'	1 1/2"	Manual	Manual	15"		22/10.4

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17942, EXP DATE 09/03/2016.

R. JACOB HIKMAT, P.E. *[Signature]* 11/18/15

WELL CERTIFICATION:
 THE EXISTING WELL, TAG NO. HO-14-0163, HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN

date	OCT. 2015
project	15-005
illustration	engineering
scale	MMM
approval	MMM
scale	1"=50'
date	
description	
revisions	

11913 NORTHERN BELL WAY, CLARKSVILLE MD
GREENBERRY LOT 17
 HOWARD COUNTY
 FIFTH ELECTION DISTRICT
 SITE PLAN FOR BAT INSTALLATION

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 7350-B Grace Drive, Columbia, Maryland 21044
 (410) 997-0298 Fax
 (410) 997-0298 Fax