

Name of Municipality: TOWN OF ORANGETOWN

Date Submitted: _____

Please check all that apply:

<input type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Residential
<input type="checkbox"/> Planning Board	<input type="checkbox"/> Historical Board
<input type="checkbox"/> Zoning Board of Appeals	<input type="checkbox"/> Architectural Board
<input type="checkbox"/> Subdivision	<input type="checkbox"/> Consultation
<input type="checkbox"/> Number of Lots	<input type="checkbox"/> Pre-Preliminary/Sketch
<input type="checkbox"/> Site Plan	<input type="checkbox"/> Preliminary
<input type="checkbox"/> Conditional Use	<input type="checkbox"/> Final Interpretation
<input type="checkbox"/> Special Permit	
<input type="checkbox"/> Variance	
<input type="checkbox"/> Performance Standards Review	
<input type="checkbox"/> Use Variance	
<input type="checkbox"/> Other (specify): _____	

PERMIT#: BLDR-5323-24
 ASSIGNED
 INSPECTOR: Mike

Referred from Planning Board: YES / NO
 If yes provide date of Planning Board meeting: _____

Project Name: Olivia

Street Address: 11 Sandra Lane
Pearl River, NY 10965

Tax Map Designation:
Section: 69.14 Block: 3 Lot(s): 59
Section: _____ Block: _____ Lot(s): _____

Directional Location:
On the East side of 11 Sandra Lane, Pearl River, approximately 120 feet of the intersection of Oriole St + Sandra Lane, in the Town of Orangetown in the hamlet/village of Pearl River.
Acreage of Parcel 0.61 Zoning District R-15
School District Pearl River Postal District Pearl River
Ambulance District Pearl River Fire District Pearl River
Water District Pearl River + Viola Sewer District Orangetown

Project Description: (If additional space required, please attach a narrative summary.)
Single Story Addition

The undersigned agrees to an extension of the statutory time limit for scheduling a public hearing
Date: 7/18/2024 Applicant's Signature: Mark King



APPLICATION REVIEW FORM

FILL IN WHERE APPLICABLE. *N/A*

(IF THE FOLLOWING DOES NOT APPLY PLEASE MOVE ON TO THE NEXT PAGE)

If subdivision:

- 1) Is any variance from the subdivision regulations required? _____
- 2) Is any open space being offered? ____ If so, what amount? _____
- 3) Is this a standard or average density subdivision? _____

If site plan:

- 1) Existing square footage _____
- 2) Total square footage _____
- 3) Number of dwelling units _____

If **special permit**, list special permit use and what the property will be used for.

Environmental Constraints:

Are there **slopes greater than 25%**? If yes, please indicate the amount and show the gross and net area _____

Are there **streams** on the site? If yes, please provide the names. _____

Are there **wetlands** on the site? If yes, please provide the names and type. _____

Project History:

Has this project ever been reviewed before? *no* _____

If so, provide a narrative, including the list case number, name, date, and the board(s) you appeared before, and the status of any previous approvals.

List tax map section, block & lot numbers for all other abutting properties in the same ownership as this project.



OFFICE OF BUILDING, ZONING, PLANNING,
ADMINISTRATION AND ENFORCEMENT
TOWN OF ORANGETOWN

20 Greenbush Road
Orangeburg, N.Y. 10962

Jane Slavin, R.A.
Director

(845)359-8410

Fax: (845) 359-8526

REFERRAL TO THE ZONING BOARD OF APPEALS

Date: 6.21.24 Section: 69.14 Block: 3 Lot: 59

Applicant: Olivia

Address: 11 Sandra Ln, Pearl River, NY

RE: Application Made at: same

Referred For:

Chapter 43, Section 3.12 R-15 District, Column 9 Min Side Yd 20' w/ 13.5' proposed, Column 10 Min Total Side Yd 50' w/ 30.1' proposed,
Section 4.52 No significant exterior change with addition being added, 4.54 Shall be only 1 front entrance w/ 2 proposed, 4.58 Owner must have resided in dwelling for min 15 yrs w/ 3 yrs proposed, Use Table 3.11 for R-80 Column 2, #7, max sf 600 sf w/ 628 sf proposed

6 Variances required

Comments:

Side Yd, Total Side Yd, Significant exterior change, second front entry
over 600 sf, Current owner less than 15yrs

Dear Olivia:

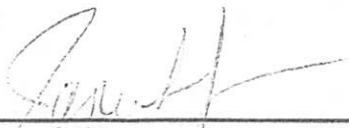
Please be advised that the Building Permit Application # 5323-24, which you submitted on 6.3.24, has been referred to the Town of Orangetown Zoning Board of Appeals. The Clerk to the Zoning Board of Appeals, Katlyn Bettmann can assist you in the preparation necessary to appear before the board. She can be reached at 845-359-8410 ext. 4316 or kbettmann @orangetown.com.

Sincerely,


Richard Oliver
Deputy Building Inspector

6/21/24




Signature of Director
NOTE: PLEASE KEEP FOR YOUR RECORDS
1-30-2023

6/24/24

Date
Liz DeCort
Debbie Arbolino

SWIS	PRINT KEY	NAME	ADDRESS
392489	69.13-4-9	Michael Zweibach	84 Oriole St,Pearl River, NY 10965
392489	69.13-4-10	John P Flynn	80 Oriole St,Pearl River, NY 10965
392489	69.13-4-11	Ryan Christopher	72 Oriole St,Pearl River, NY 10965
392489	69.13-4-12	Anthony Deluccia	64 Oriole St,Pearl River, NY 10965
392489	69.13-4-13	Thos C Burke	14 Sandra La,Pearl River, NY 10965
392489	69.14-3-1	Maria Barton	440 Blauvelt Rd,Pearl River, NY 10965
392489	69.14-3-2	Michael Reilly	446 Blauvelt Rd,Pearl River, NY 10965
392489	69.14-3-4.1	Melanie Dilascio	1 Alexa Ct,Pearl River, NY 10965
392489	69.14-3-4.2	Patrick Mc Namee	2 Alexa Ct,Pearl River, NY 10965
392489	69.14-3-4.3	Marie Ronda	3 Alexa Ct,Pearl River, NY 10965
392489	69.14-3-4.4	Paul Schneider	4 Alexa Ct,Pearl River, NY 10965
392489	69.14-3-49	Stephen P Baronian Jr	22 Sandra Ln,Pearl River, NY 10965
392489	69.14-3-56	Eileen Fleming	23 Sandra Ln,Pearl River, NY 10965
392489	69.14-3-57	Richard M Casper	19 Sandra Ln,Pearl River, NY 10965
392489	69.14-3-58	Kevin F Byman	15 Sandra La,Pearl River, NY 10965
392489	69.14-3-59	Michael Oliva	11 Sandra Ln,Pearl River, NY 10965



To: The Building Department
Town of Orangetown

7/19/2024

I, Kristin Oliva, owner of the home at 11 Sandra Lane, Pearl River, NY 10965, give permission to Michael & Janet Gaines, my parents, to apply to and appear before the Orangetown Town Board, on my behalf, for the proposed addition to my home.

Thank you for your assistance.

Sincerely,



Kristin Oliva

917-776-8185





GML Sec. 239

Select By ID Buffer Results

[Export Search URL](#) [Zoom All](#) [Clear](#) [Report](#)

Features selected: 1

[Export All to CSV](#)

PARCEL DATE: February 2023

SWIS: 392489

PRINT_KEY: 69.14-3-59

OLD_ID: 20-32-310.91

OWNER1: MICHAEL OLIVA

OWNER2: KRISTIN OLIVA

ADDITIONAL OWNERS:

ADDRESS: 11 SANDRA LN

ADDRESS2:

ALTERNATE ADDRESS:

CITY: PEARL RIVER

STATE: NY

ZIP: 10965

BOOK-PAGE:

INSTRUMENT: 2021-00027226

DEED_DATE: 06/29/2021

MUNICIPALITY: Orangetown

TOWN: Orangetown

VILLAGE: -

DEED_ACRES: 0.61

GIS_ACRES: 0.59773117

GML_REVIEW: NO

ROW - PALISADES INTERSTATE PARKWAY: NO

ROW - NYS THRUWAY: NO

ROW - COUNTY HWY: NO

ROW - STATE HWY: NO

COUNTY REGULATED STREAM: NO

LONG PATH TRAIL: NO

COUNTY PARK: NO

STATE PARK: NO

STATE FACILITY: NO

COUNTY FACILITY: NO

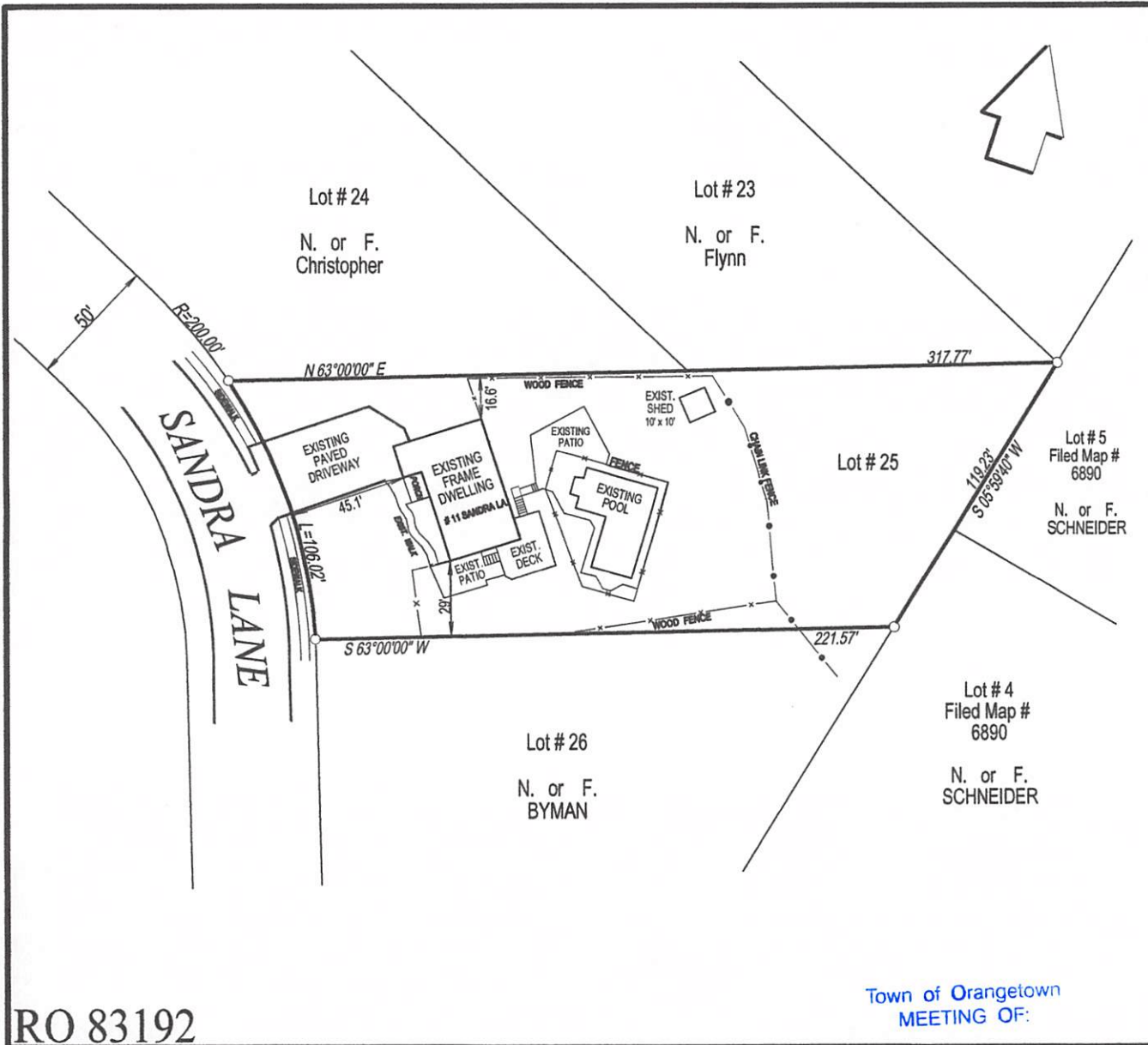
VILLAGE BOUNDARY: NO

TOWN BOUNDARY: NO

ORANGE COUNTY: NO

SPLIT ZONE: NO

ZONES: 1



RO 83192

Town of Orangetown
MEETING OF:

SEP 4 2024

ZONING BOARD OF APPEALS

EXISTING CONDITIONS

Land Survey
For
"OLIVA"
Pearl River

Town of Orangetown Rockland County, NY
Scale: 1" = 40' Area = 0.61 Ac.

May 15, 2024

Tax Lot Desig.: Section 69.14 Block 3 Lot 59

Reference: map entitled "NAURAUSHAUN HILLS",
Filed in the Rockland County Clerks Office June 23,
1958 in book 58 page 9 as map # 2574.

Certified to:
* Michael Oliva
* Kristin Oliva

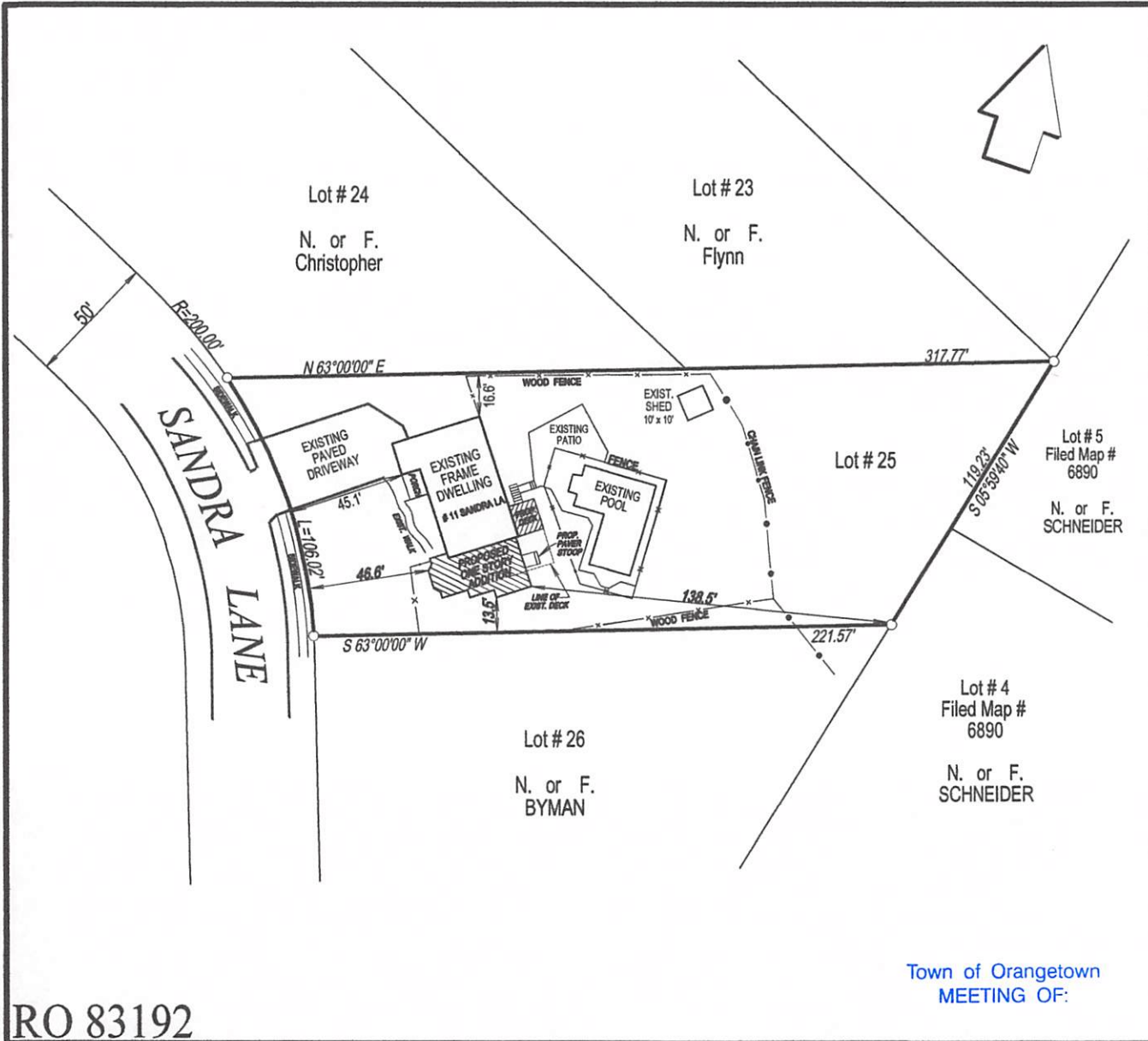
Certifications indicated hereon signify that this survey was prepared in accordance with the existing code of practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors. Said certification shall run only to the person for whom the survey is prepared, and on behalf to the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners."



Robert E. Sorace, PLS
New City, NY 10956
845-638-1498

Lic. 49162





RO 83192

Town of Orangetown
MEETING OF:

ZONING BOARD OF APPEALS

SEP 4 2024

PROPOSED ADDITION

Land Survey
For
"OLIVA"

Pearl River
Town of Orangetown
Scale: 1" = 40'
Rockland County, NY
Area = 0.61 Ac.

May 16, 2024

Tax Lot Desig.: Section 69.14 Block 3 Lot 59

Reference: map entitled "NAURAUSHAUN HILLS",
Filed in the Rockland County Clerks Office June 23,
1958 in book 58 page 9 as map # 2574.

Zone R-15 Bulk Regulations Group M

Item	Required	Existing	Proposed
Lot Area	15,000 sf	26,477 sf	No Change
Lot Width	100 ft.	100 ft.	No Change
Street Frontage	75 ft.	106.02 ft.	No Change
Front Yard	30 ft.	45.1 ft.	No Change
Side Yard	20 ft.	** 16.6 ft.	* 13.5 ft.
Total Side Yard	50 ft.	** 45.6 ft.	* 30.1 ft.
Rear Yard	35 ft.	146.7 ft.	138.5 ft.
Max.F.A.R.	0.20	0.139	0.11
Max Bldg. Height	1 ft. per ft from lot line	5.2' per ft from lot line	No Change

* DENOTES VARIANCE REQUIRED
** DENOTES PRE-EXISTING NON-CONFORMING



Robert E. Sorace
Robert E. Sorace, PLS
New City, NY 10956
845-638-1498
Lic. 49162

RECEIVED

JUL 19 2024

TOWN OF ORANGETOWN
LAND USE BOARDS

Michael J. Calise, P.E. P.C. & Associates

Civil Engineering and Land Planning Consultants
P.O. Box 96
Pearl River, New York 10965
Phone (845) 629-3743

March 25, 2024

Michael Oliva
11 Sandra Lane
Pearl River, New York 11750

Regarding: Proposed Addition for Oliva
11 Sandra Lane
Pearl River, New York 10965
Tax Map Number: Section 69.14, Block 3 Lot 59
MJC Job No.: 2482
Subject: Drainage Study for Proposed Addition



Mr. Oliva,

Attached for your use is the drainage study prepared for the above-referenced site. The runoff amount, sizing calculations, unit recommendations and standard details for the system to be used. The proposed additions roof will create 985 gallons of additional runoff.

Using two (2) "Cultec" recharge 330XLHD units on a twelve (12") thick gravel base will provide 1,287 gallons of storage capacity and is more than acceptable for this application.

All proposed roof leaders must be piped to the proposed "Cultec" area. The proposed "Cultec" area is shown on the survey provided. Additionally, the units can an equal to the recommended unit as long as the capacity is equal or greater.

If there are any questions, comments or more information required please, do not hesitate to call our office.

Very sincerely yours,
Michael J. Calise, P.E., P.C. & Associates

Michael J. Calise, P.E.

Town of Orangetown
MEETING OF:

SEP 4 2024

ZONING BOARD OF APPEALS

Michael J. Wise, P.E.
P.O. Box 96
Pearl River, N.Y. 10965

Proposed Addition
For "OLIVA"
11 Sandra Lane
Pearl River, N.Y. 10965

Designation
69.14-3-59
June 20, 2024

1
OF
2

The purpose of this Drainage Study is to provide a Zero-net increase in runoff from the Proposed Addition.

1. Calculation of Flow: (using the rational method)

Formula. $Q = \frac{C i A}{96.23}$

Where, Q = Flow, in gallons per minute (gpm)

C = runoff coefficient, constant (1.0)

i = rainfall intensity, inches

A = Area, square-feet

96.23 = conversion factor (cfs to gpm)

$$Q = \frac{(1.0)(8.77 \text{ inches})(720 \text{ ft}^2)}{96.23} = \frac{6,314.4}{96.23} = 65.62 \text{ gpm}$$

$$Q = 65.62 \text{ gpm}$$

2. Calculation of Required Storage Volume (V_R)

* using a 15 minute duration (T)

$$V_R = Q \times T = 65.62 \frac{\text{gallons}}{\text{minute}} \times 15 \text{ minutes} =$$



$$V_R = 984.26 \text{ gallons}$$

∴ use 1,000 gallons

$$\underline{V_R = 1,000 \text{ gallons}}$$

3. Infiltration Sizing: (V_{ip} = Volume Provided)

using "Cultec" Rechargers 330 XLHD storm chamber units with a (12") twelve inch stone foundation.

As per Manufacturer's literature (attached) each

Unit with (12") stone storage has 86.03 cubic-feet of storage.

P.O. Box 96
Pearl River, NY 10965

Proposed Addition
For Olivia
11 Sandra Lane
Pearl River, N.Y. 10965

tax LOT
Designation
09.14-3-59
June 20, 2024

2
04
2

3. cont'

$$86.03 \text{ cubic feet} \times 7.48 \frac{\text{gallons}}{\text{cubic foot}} =$$

$$= 643.5 \text{ gallons per Unit}$$

$$\text{using two (2) units} = 1,287 \text{ gallons provided.}$$

$$V_{\text{provided}} = 1,287 \text{ gallons}$$

check

$$V_p > V_r = 1,000 < 1,287 \text{ OK}$$



Michael J. Calise, P.E.
NYS LIC. No 074611

UNAUTHORIZED ALTERATION TO A MAP BEARING A LICENSED N.Y.S. ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. THE CERTIFICATION IS NOT AN EXPRESS OR IMPLIED WARRANTY OR GUARANTEE. IT IS PURELY A STATEMENT OF PROFESSIONAL OPINION BASED ON KNOWLEDGE, INFORMATION AND BELIEF, BASED ON EXISTING FIELD EVIDENCE AND DOCUMENTARY EVIDENCE AVAILABLE. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS. COPIES OF THIS PLAN NOT HAVING THE EMBOSSED SEAL OF THE N.Y.S. ENGINEER SHALL NOT BE VALID. PLAN PREPARED PURSUANT TO SECTION 7208m OF THE NEW YORK STATE EDUCATION LAW.





CULTEC Recharger® 330XLHD Stormwater Chamber

The Recharger® 330XLHD is a 30.5" (775 mm) tall, high capacity chamber. Typically when using this model, fewer chambers are required resulting in less labor and a smaller installation area. The Recharger® 330XLHD has the side portal internal manifold feature. HVLV® FC-24 Feed Connectors are inserted into the side portals to create the internal manifold.

RECEIVED

JUL 19 2024

TOWN OF ORANGETOWN
LAND USE BOARDS



Size (L x W x H)	8.5' x 52" x 30.5" 2.59 m x 1321 mm x 775 mm
Installed Length	7' 2.13 m
Length Adjustment per Run	1.50' 0.46 m
Chamber Storage	7.46 ft ³ /ft 0.69 m ³ /m 52.21 ft ³ /unit 1.48 m ³ /unit
Min. Installed Storage	11.32 ft ³ /ft 1.05 m ³ /m 79.26 ft ³ /unit 2.24 m ³ /unit
Min. Area Required	33.83 ft ² 3.14 m ²
Chamber Weight	73.0 lbs 33.11 kg
Shipping	30 chambers/skid 2,335 lbs/skid 10 skids/48' flatbed
Min. Center-to-Center Spacing	4.83' 1.47 m
Max. Allowable Cover	12' 3.66 m
Max. Inlet Opening in End Wall	24" HDPE, PVC 600 mm HDPE, PVC
Max. Allowable O.D. in Side Portal	10" HDPE, 12" PVC 250 mm HDPE, 300 mm PVC
Compatible Feed Connector	HVLV FC-24 Feed Connector

Calculations are based on installed chamber length.
All above values are nominal.
Min. installed storage includes 6" (152 mm) stone base, 6" (152 mm) stone above crown of chamber and typical stone surround at 58" (1473 mm) center-to-center spacing.

	Stone Foundation Depth		
	6" 152 mm	12" 305 mm	18" 457 mm
Chamber and Stone Storage Per Chamber	79.26 ft ³ 2.24 m ³	86.03 ft ³ 2.44 m ³	92.79 ft ³ 2.63 m ³
Min. Effective Depth	3.54' 1.08 m	4.04' 1.23 m	4.54' 1.38 m
Stone Required Per Chamber	2.50 yd ³ 1.91 m ³	3.13 yd ³ 2.39 m ³	3.76 yd ³ 2.87 m ³

Calculations are based on installed chamber length.
Includes 6" (305 mm) stone above crown of chamber and typical stone surround at 58" (1473 mm) center-to-center spacing and stone foundation as listed in table.
Stone void calculated at 40%.

Recharger® 330XLHD Bare Chamber Storage Volumes

Elevation		Incremental Storage Volume				Cumulative Storage	
in.	mm	ft ³ /ft	m ³ /m	ft ³	m ³	ft ³	m ³
30.5	775	0.000	0.000	0.000	0.000	52.213	1.479
30	762	0.019	0.002	0.133	0.004	52.213	1.479
29	737	0.051	0.005	0.357	0.010	52.080	1.475
28	711	0.084	0.008	0.588	0.017	51.723	1.465
27	686	0.124	0.012	0.868	0.025	51.135	1.448
26	660	0.150	0.014	1.05	0.030	50.267	1.424
25	635	0.173	0.016	1.211	0.034	49.217	1.394
24	609	0.191	0.018	1.337	0.038	48.006	1.360
23	584	0.207	0.019	1.449	0.041	46.669	1.322
22	559	0.221	0.021	1.547	0.044	45.220	1.281
21	533	0.233	0.022	1.631	0.046	43.673	1.237
20	508	0.244	0.023	1.708	0.048	42.042	1.191
19	483	0.254	0.024	1.778	0.050	40.334	1.142
18	457	0.264	0.025	1.848	0.052	38.556	1.092
17	432	0.271	0.025	1.897	0.054	36.708	1.040
16	406	0.283	0.026	1.981	0.056	34.811	0.986
15	381	0.294	0.027	2.058	0.058	32.830	0.930
14	356	0.296	0.027	2.072	0.059	30.772	0.871
13	330	0.299	0.028	2.093	0.059	28.700	0.813
12	305	0.301	0.028	2.107	0.060	26.607	0.754
11	279	0.303	0.028	2.121	0.060	24.500	0.694
10	254	0.304	0.028	2.128	0.060	22.379	0.634
9	229	0.306	0.028	2.142	0.061	20.251	0.574
8	203	0.313	0.029	2.191	0.062	18.109	0.513
7	178	0.321	0.030	2.247	0.064	15.918	0.451
6	152	0.322	0.030	2.254	0.064	13.671	0.387
5	127	0.323	0.030	2.261	0.064	11.417	0.323
4	102	0.324	0.030	2.268	0.064	9.156	0.259
3	76	0.325	0.030	2.275	0.064	6.888	0.195
2	51	0.327	0.030	2.289	0.065	4.613	0.131
1	25	0.332	0.031	2.324	0.066	2.324	0.066
Total		7.459	0.693	52.213	1.479	52.213	1.479

Calculations are based on installed chamber length.

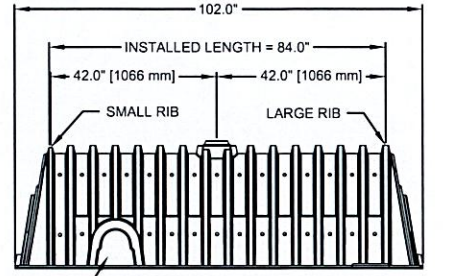
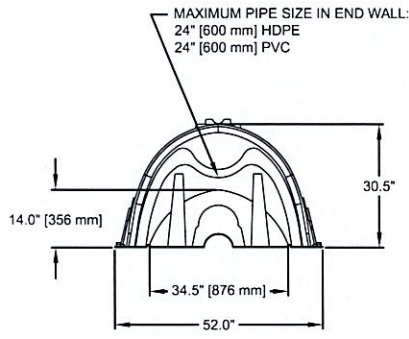
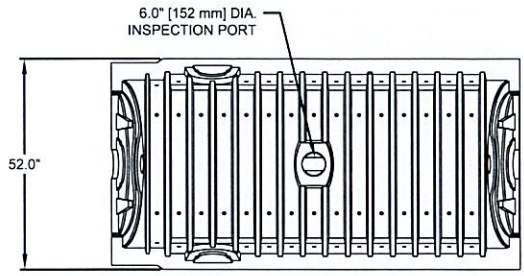
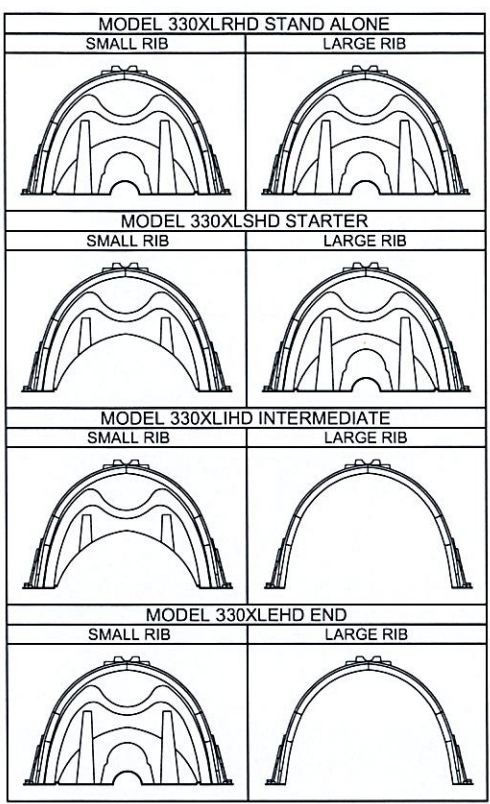
Visit <http://cultec.com/downloads/> for Product Downloads and CAD details.

For more information, contact CULTEC at (203) 775-4416 or visit www.cultec.com.



CULTEC Recharger® 330XLHD Stormwater Chamber

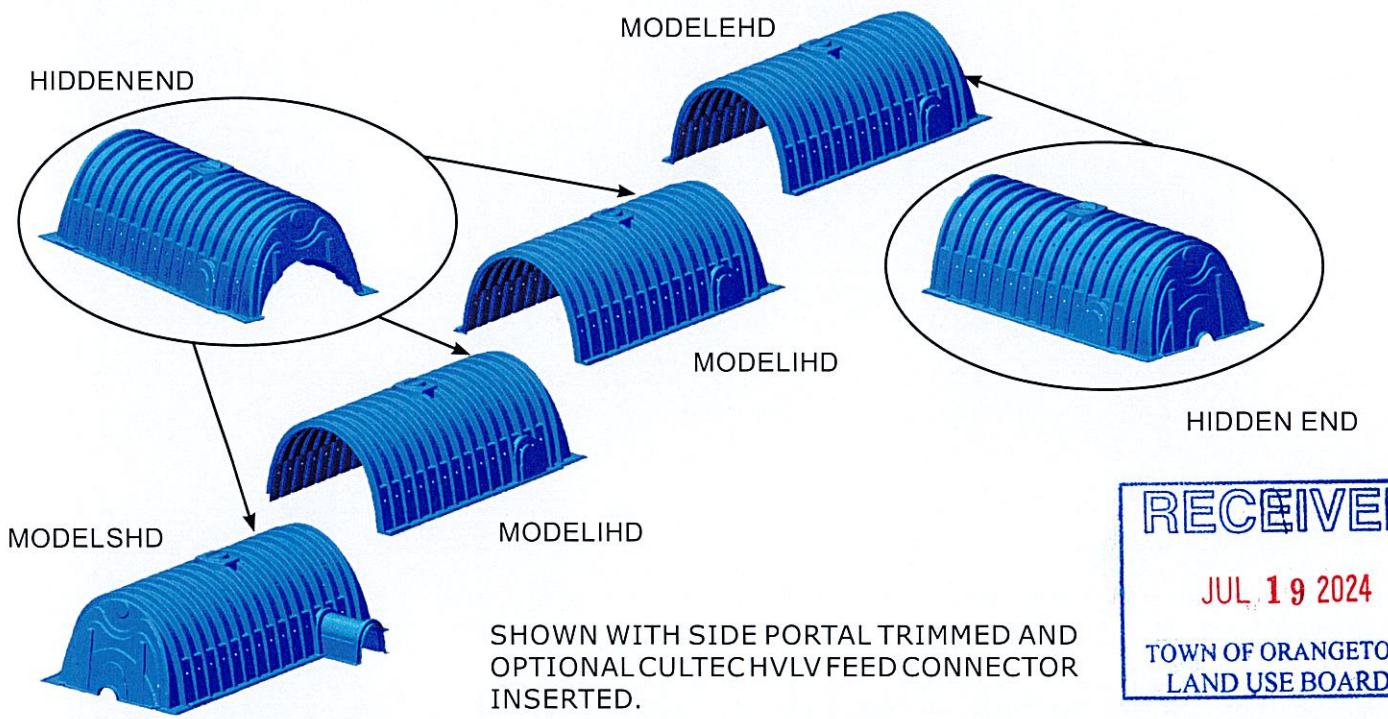
Three View Drawing



SIDE PORTAL FOR OPTIONAL INTERNAL MANIFOLD (ACCOMMODATES CULTEC HVLV FC-24 FEED CONNECTOR OR STORM PIPE)
MAX. PIPE:
10" [250 mm] HDPE
12" [300 mm] PVC

CULTEC RECHARGER 330XLHD CHAMBER STORAGE = 7.459 CF/FT [0.693 m³/m]
INSTALLED LENGTH ADJUSTMENT = 1.5' [0.46 m]
SIDE PORTAL ACCEPTS CULTEC HVLV FC-24 FEED CONNECTOR

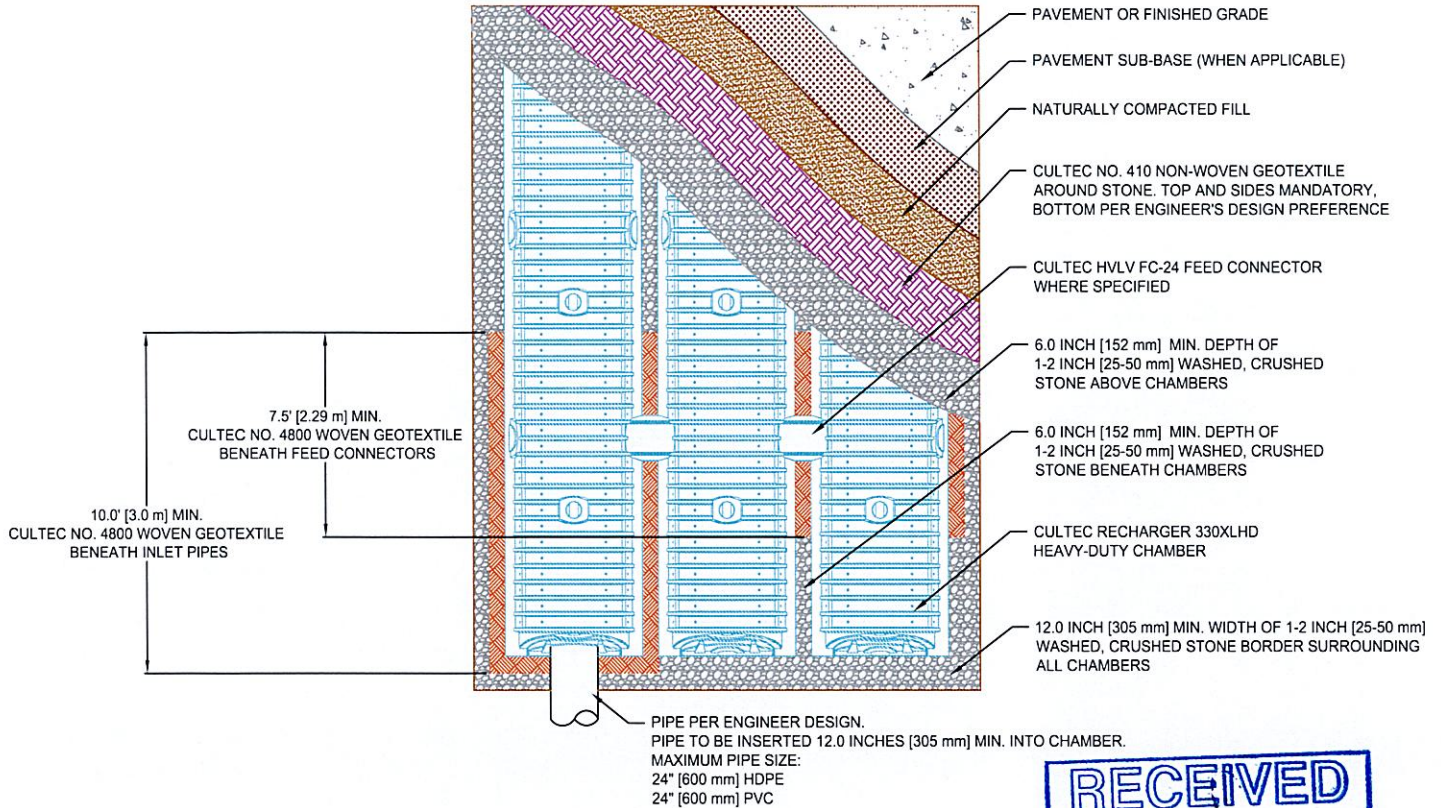
Typical Interlock Installation



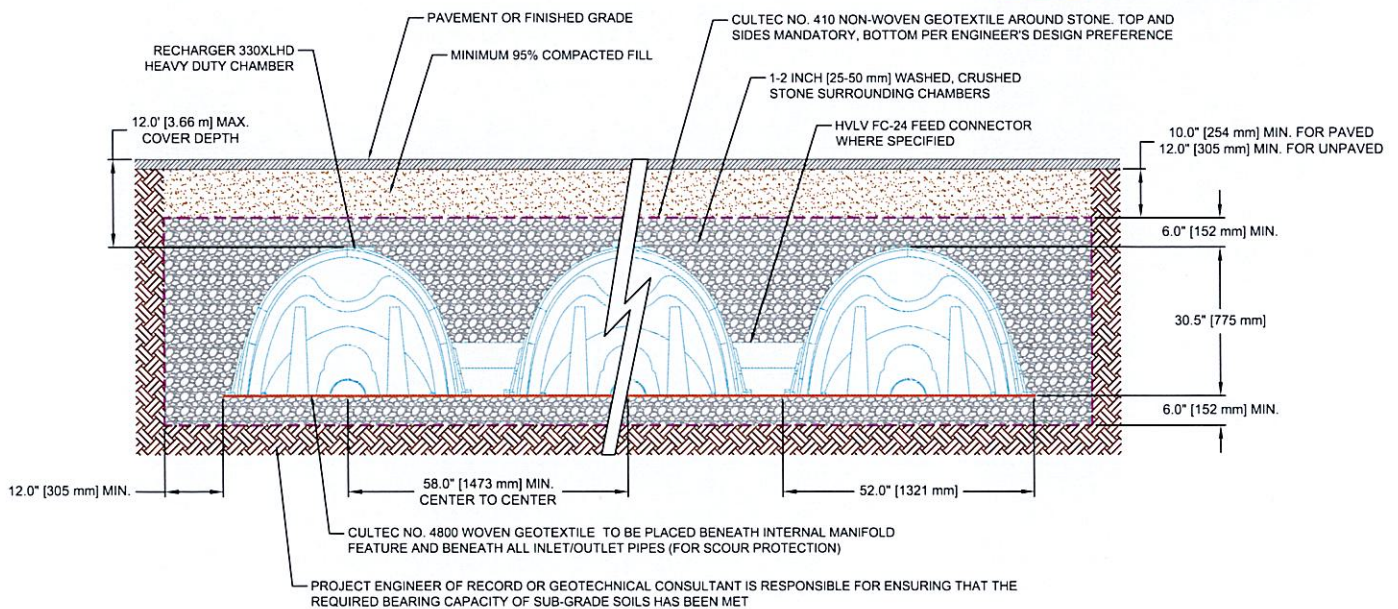


CULTEC Recharger® 330XLHD Stormwater Chamber

Plan View Drawing



Typical Cross Section for Traffic Application



For more information, contact CULTEC at (203) 775-4416 or visit www.cultec.com.



CULTEC Recharger® 330XLHD Specifications

GENERAL

CULTEC Recharger® 330XLHD chambers are designed for underground stormwater management. The chambers may be used for retention, recharging, detention or controlling the flow of on-site stormwater runoff.

CHAMBER PARAMETERS

1. The chambers shall be manufactured in the U.S.A. by CULTEC, Inc. of Brookfield, CT (cultec.com, 203-775-4416).
2. The chamber shall be vacuum thermoformed of polyethylene with a black interior and blue exterior.
3. The chamber shall be arched in shape.
4. The chamber shall be open-bottomed.
5. The chamber shall be joined using an interlocking overlapping rib method. Connections must be fully shouldered overlapping ribs, having no separate couplings or separate end walls.
6. The nominal chamber dimensions of the CULTEC Recharger® 330XLHD shall be 30.5 inches (775 mm) tall, 52 inches (1321 mm) wide and 8.5 feet (2.59 m) long. The installed length of a joined Recharger® 330XLHD shall be 7 feet (2.13 m).
7. Maximum inlet opening on the chamber end wall is 24 inches (600 mm) HDPE, PVC.
8. The chamber shall have two side portals to accept CULTEC HVLV® FC-24 Feed Connectors to create an internal manifold. Maximum allowable O.D. in the side portal is 10 inches (250 mm) HDPE and 12 inches (300 mm) PVC.
9. The nominal chamber dimensions of the CULTEC HVLV® FC-24 Feed Connector shall be 12 inches (305 mm) tall, 16 inches (406 mm) wide and 24.2 inches (614 mm) long.
10. The nominal storage volume of the Recharger® 330XLHD chamber shall be 7.459 ft³ / ft (0.693 m³ / m) - without stone. The nominal storage volume of a single Recharger® 330XLHD Stand Alone unit shall be 63.40 ft³ (1.80 m³) - without stone. The nominal storage volume of a joined Recharger® 330XLHD Intermediate unit shall be 52.213 ft³ (1.478 m³) - without stone. The nominal storage volume of the length adjustment amount per run shall be 11.19 ft³ (1.04 m³) - without stone.
11. The nominal storage volume of the HVLV® FC-24 Feed Connector shall be 0.913 ft³ / ft (0.026 m³ / m) - without stone.
12. The Recharger® 330XLHD chamber shall have fifty-six discharge holes bored into the sidewalls of the unit's core to promote lateral conveyance of water.
13. The Recharger® 330XLHD chamber shall have 16 corrugations.
14. The end wall of the chamber, when present, shall be an integral part of the continuously formed unit. Separate end plates cannot be used with this unit.
15. The Recharger® 330XLHD Stand Alone unit must be formed as a whole chamber having two fully formed integral end walls and having no separate end plates or separate end walls.
16. The Recharger® 330XLHD Starter unit must be formed as a whole chamber having one fully formed integral end wall and one partially formed integral end wall with a lower transfer opening of 14 inches (356 mm) high x 34.5 inches (876 mm) wide.
17. The Recharger® 330XLHD Intermediate unit must be formed as a whole chamber having one fully open end wall and one partially formed integral end wall with a lower transfer opening of 14 inches (356 mm) high x 34.5 inches (876 mm) wide.
18. The Recharger® 330XLHD End unit must be formed as a whole chamber having one fully formed integral end wall and one fully open end wall and having no separate end plates or end walls.
19. The HVLV® FC-24 Feed Connector must be formed as a whole chamber having two open end walls and having no separate end plates or separate end walls. The unit shall fit into the side portals of the Recharger® 330XLHD and act as cross feed connections.
20. Chambers must have horizontal stiffening flex reduction steps between the ribs.
21. The chamber shall have a raised integral cap at the top of the arch in the center of each unit to be used as an optional inspection port or clean-out.
22. The units may be trimmed to custom lengths by cutting back to any corrugation on the large rib end.
23. The chamber shall be manufactured in an ISO 9001:2015 certified facility.
24. The chamber shall be designed and manufactured to meet the material and structural requirements of IAPMO PS 63-2019, including resistance to AASHTO H-10 and H-20 highway live loads, when installed in accordance with CULTEC's installation instructions.
25. The chamber shall be designed and manufactured in accordance with the specifications of NSAI Irish Agreement Board Certificate for Cultec Attenuation and Infiltration.
26. Maximum allowable cover over the top of the chamber shall be 12' (3.66 m).
27. The chamber shall be designed to withstand traffic loads when installed according to CULTEC's recommended installation instructions.

PF_Depth_English_PDS

Point precipitation frequency estimates (inches)

NOAA Atlas 14 Volume 10 Version 3

Data type: Precipitation depth

Time series type: Partial duration

Project area: Northeastern States

Location name (ESRI Maps): Pearl River New York USA

Station Name: -

Latitude: 41.0625 Degree

Longitude: -74.0029 Degree

Elevation (USGS): 256 ft

PRECIPITATION FREQUENCY ESTIMATES

by duration for ARI (years):

	1	2	5	10	25	50	100	200
5-min:	0.367	0.432	0.539	0.628	0.751	0.845	0.94	1.04
10-min:	0.519	0.612	0.764	0.89	1.06	1.2	1.33	1.48
15-min:	0.611	0.72	0.899	1.05	1.25	1.41	1.57	1.74
30-min:	0.844	0.992	1.24	1.44	1.72	1.93	2.14	2.37
60-min:	1.08	1.26	1.57	1.83	2.18	2.45	2.72	3.01
2-hr:	1.44	1.67	2.05	2.37	2.8	3.13	3.47	3.83
3-hr:	1.67	1.94	2.39	2.76	3.26	3.65	4.04	4.47
6-hr:	2.08	2.45	3.07	3.58	4.28	4.82	5.37	5.98
12-hr:	2.47	3	3.87	4.6	5.59	6.33	7.12	8.02
24-hr:	2.86	3.54	4.64	5.56	6.83	7.77	8.77	9.93
2-day:	3.29	4.05	5.29	6.32	7.74	8.8	9.93	11.2
3-day:	3.61	4.41	5.72	6.8	8.29	9.4	10.6	12
4-day:	3.88	4.71	6.07	7.19	8.74	9.9	11.1	12.6
7-day:	4.61	5.51	6.98	8.2	9.88	11.1	12.5	14
10-day:	5.3	6.25	7.82	9.11	10.9	12.2	13.6	15.3
20-day:	7.42	8.51	10.3	11.8	13.8	15.3	16.9	18.6
30-day:	9.21	10.4	12.3	13.9	16.1	17.8	19.5	21.2
45-day:	11.4	12.7	14.8	16.5	18.9	20.8	22.6	24.4
60-day:	13.3	14.7	16.9	18.7	21.2	23.2	25.1	26.9

Date/time (GMT): Thu Jun 20 01:29:16 2024

pyRunTime: 0.010561704635620117

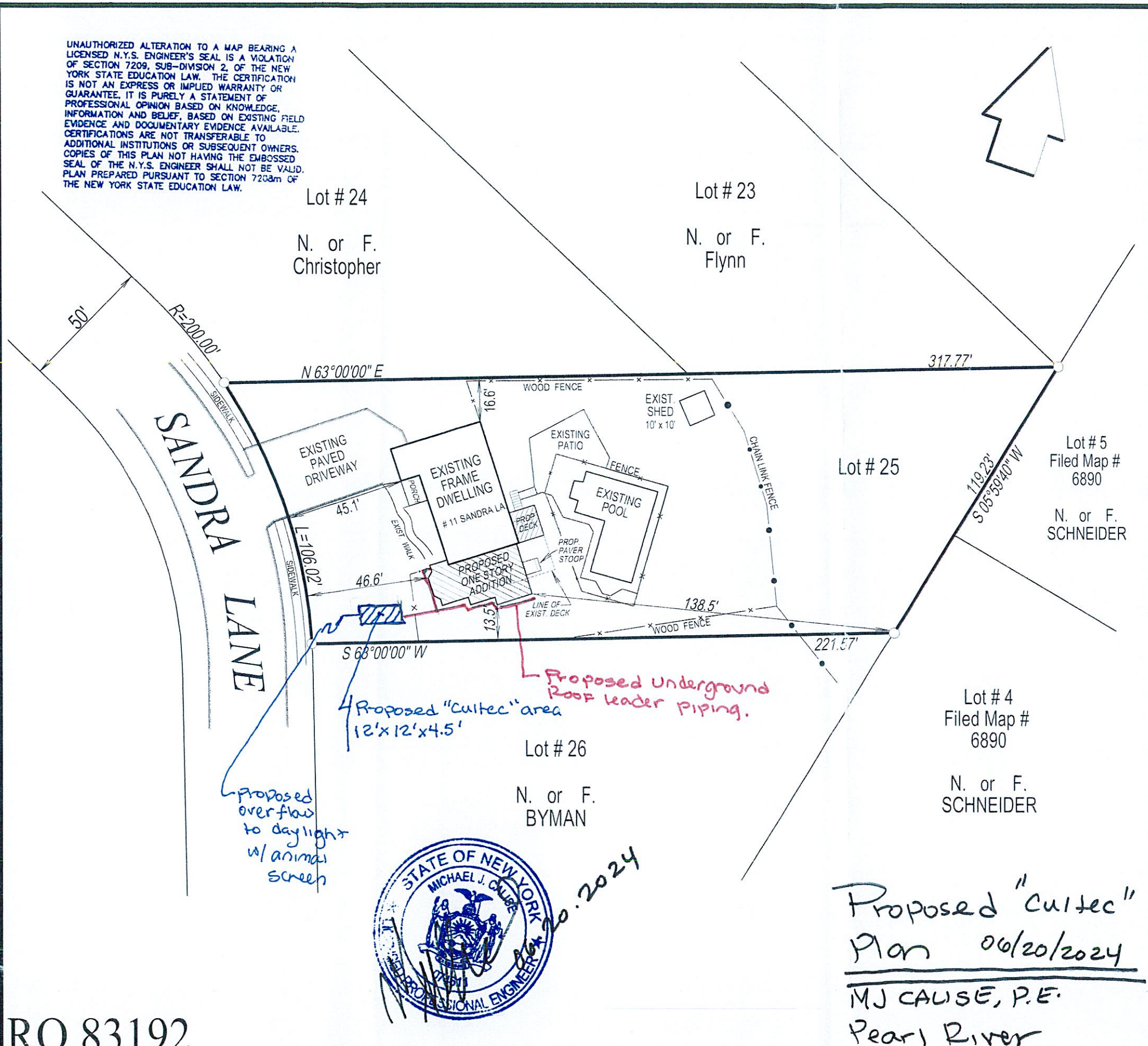


PF_Depth_English_PDS

500	1000
1.18	1.29
1.67	1.82
1.96	2.14
2.68	2.92
3.4	3.7
4.32	4.7
5.06	5.53
6.86	7.57
9.32	10.4
11.6	13.1
13.2	14.8
14.1	15.8
14.8	16.6
16.4	18.3
17.7	19.7
21	22.9
23.6	25.4
26.6	28.3
29.1	30.7



UNAUTHORIZED ALTERATION TO A MAP BEARING A LICENSED N.Y.S. ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. THE CERTIFICATION IS NOT AN EXPRESS OR IMPLIED WARRANTY OR GUARANTEE. IT IS PURELY A STATEMENT OF PROFESSIONAL OPINION BASED ON KNOWLEDGE, INFORMATION AND BELIEF, BASED ON EXISTING FIELD EVIDENCE AND DOCUMENTARY EVIDENCE AVAILABLE. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS. COPIES OF THIS PLAN NOT HAVING THE EMBOSSED SEAL OF THE N.Y.S. ENGINEER SHALL NOT BE VALID. PLAN PREPARED PURSUANT TO SECTION 7203m OF THE NEW YORK STATE EDUCATION LAW.



PROPOSED ADDITION

Land Survey
For
"OLIVA"

Pearl River

Town of Orangetown Rockland County, NY
Scale: 1" = 40' Area = 0.61 Ac.

MaY 16, 2024

Tax Lot Desig.: Section 69.14 Block 3 Lot 59

Reference: map entitled "NAURAUSHAUN HILLS",
Filed in the Rockland County Clerks Office June 23,
1958 in book 58 page 9 as map # 2574.

Zone R-15 Bulk Regulations Group M

Item	Required	Existing	Proposed
Lot Area	15,000 sf	26,477 sf	No Change
Lot Width	100 ft.	100 ft.	No Change
Street Frontage	75 ft.	106.02 ft.	No Change
Front Yard	30 ft.	45.1 ft.	No Change
Side Yard	20 ft.	** 16.6 ft.	* 13.5 ft.
Total Side Yard	50 ft.	** 45.6 ft.	* 30.1 ft.
Rear Yard	35 ft.	146.7 ft.	138.5 ft.
Max.F.A.R.	0.20	0.139	0.11
Max Bldg. Height	1 ft. per ft. from lot line	5.2' per ft. from lot line	No Change

* DENOTES VARIANCE REQUIRED
** DENOTES PRE-EXISTING NON-CONFORMING

Town of Orangetown
MEETING OF:

SEP 4 2024

ZONING BOARD OF APPEALS

RECEIVED

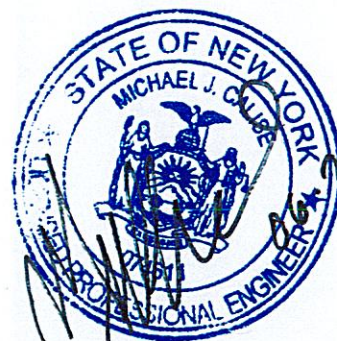
JUL 19 2024

TOWN OF ORANGETOWN
LAND USE BOARDS



Robert E. Sorace, PLS
New City, NY 10956
845-638-1498

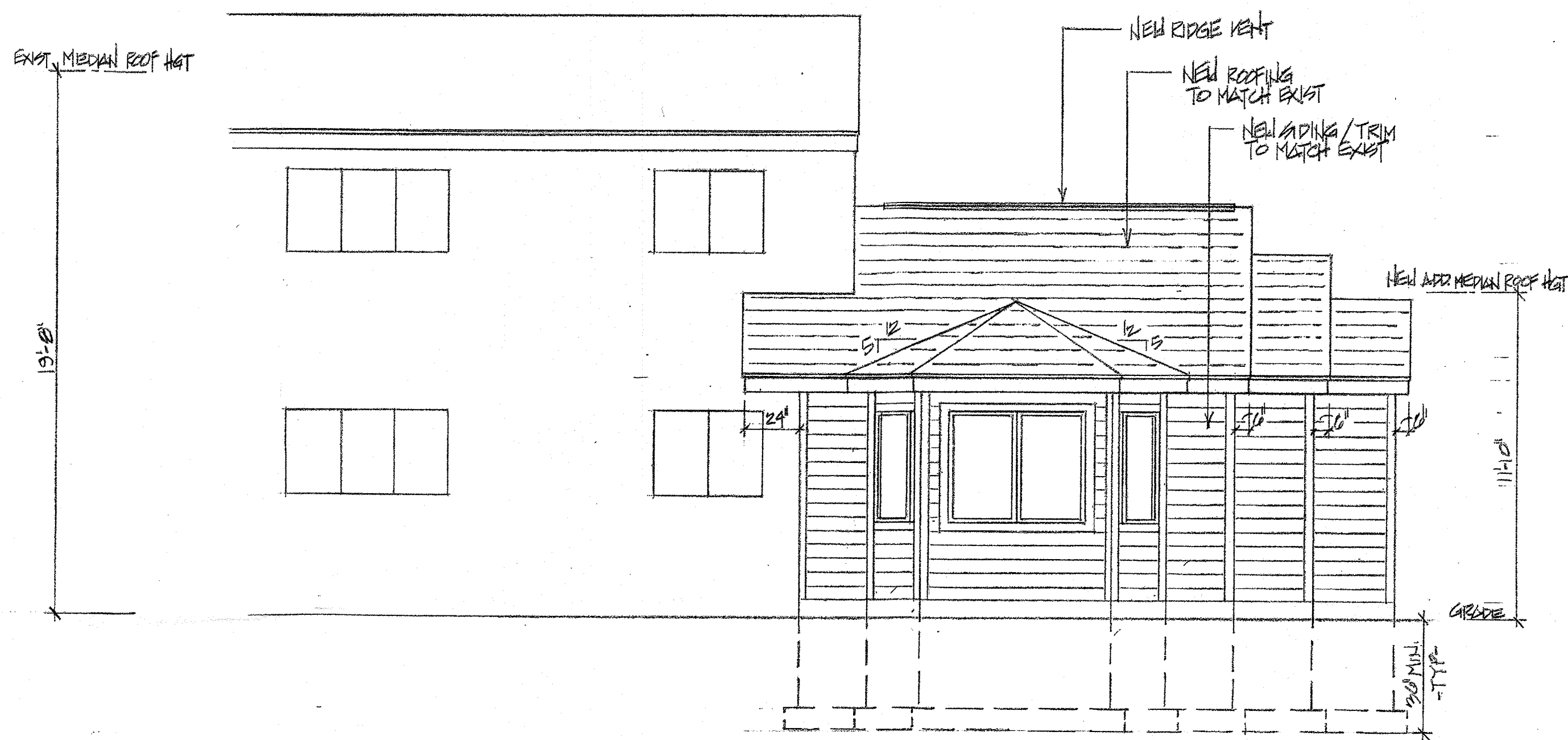
Lic. 49162



06/20/2024

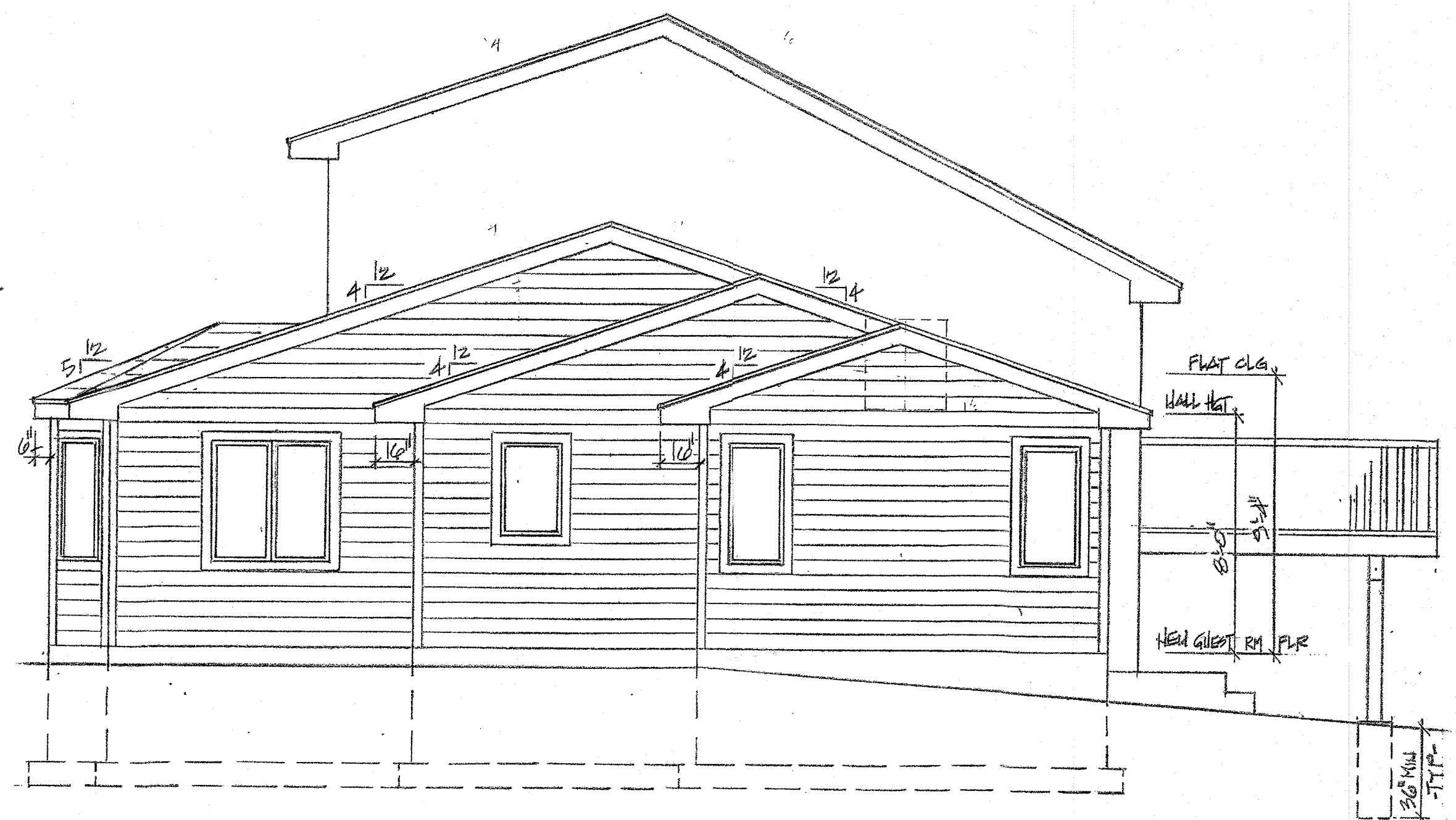
Proposed "cuitec"
Plan 06/20/2024
MJ CAUSE, P.E.
Pearl River

RO 83192

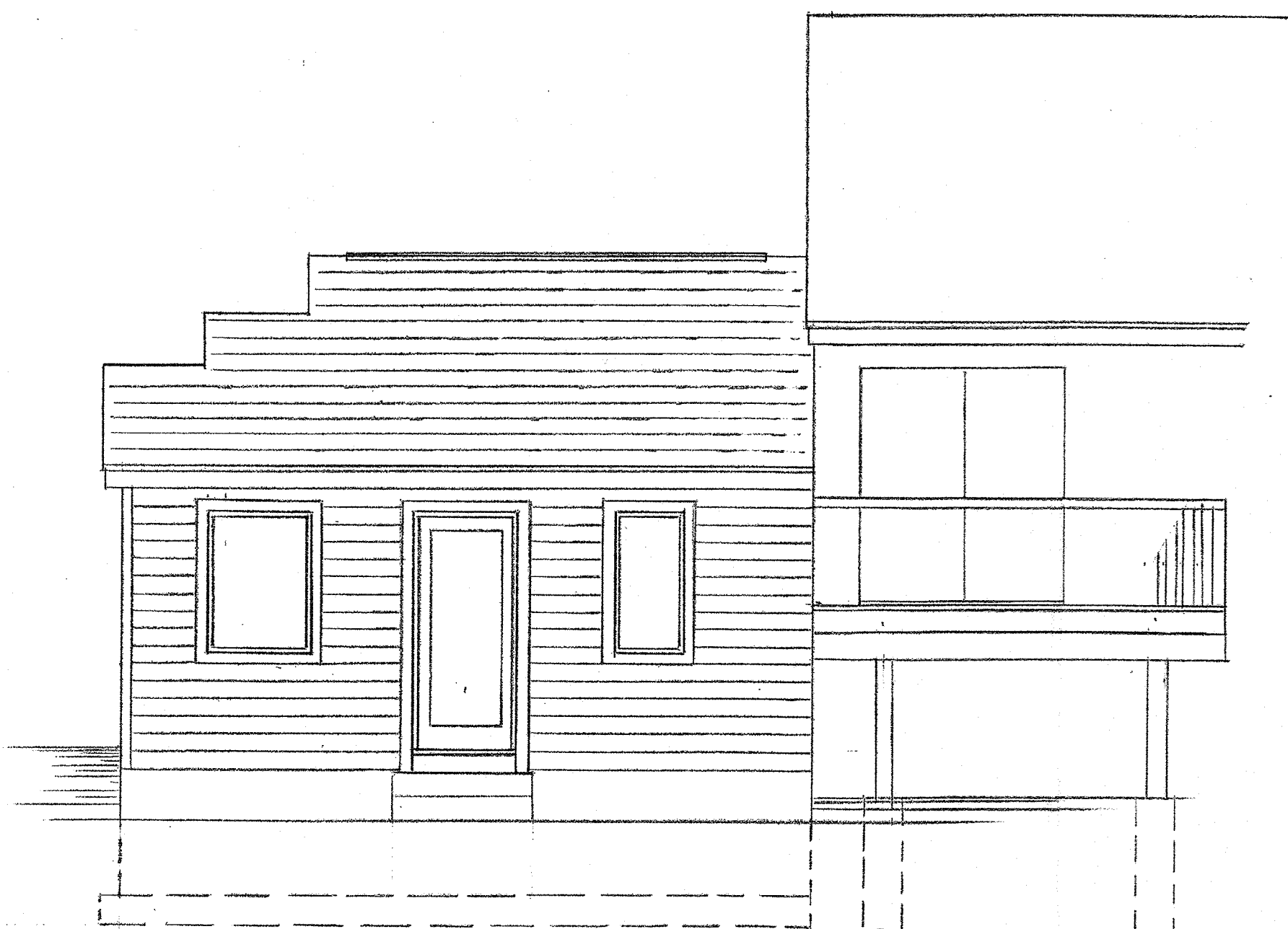


FRONT ELEVATION

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



RIGHT SIDE ELEVATION



REAR ELEVATION

Town of Orangetown
MEETING OF:
SEP 4 2024
ZONING BOARD OF APPEALS

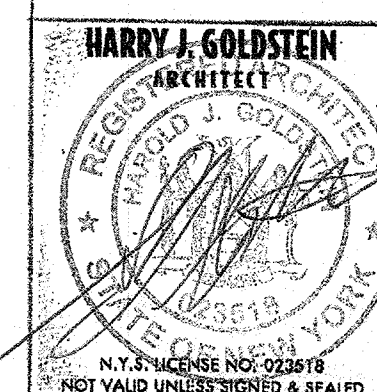
STATE OF NEW YORK ADOPTED CODES AND STANDARDS

- INTERNATIONAL RESIDENTIAL CODE-NY ED, 2020
- NATIONAL ELECTRICAL CODE, 2020
- NATIONAL STANDARD PLUMBING CODE, 2020
- INTERNATIONAL ENERGY CONSERVATION CODE, 2020 (RESIDENTIAL) STRETCH
- INTERNATIONAL MECHANICAL CODE, 2020
- INTERNATIONAL FUEL GAS CODE, 2020
- 2020 RESIDENTIAL PRESCRIPTIVE PACKAGE

NOTE: TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF, PLANS ARE IN COMPLIANCE WITH THE 2020 IECC & NYS ENERGY CODE

OLIVA RESIDENCE
ONE-STORY ADDITION

11 SANDRA LANE
PEARL RIVER, N.Y.



HARRY J. GOLDSTEIN
ARCHITECT
DESIGN & DEVELOPMENT

2 REGINA ROAD
MONTELEONE, NEW YORK 10952
(845) 336-7942 (914) 393-5787

PROJECT 230420
MAY 21, 2023

1
O
F
2

ENERGY CODE

TABLE R501.1.1 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENTS - MOISTLAND/CHANGING CLIMATE ZONES

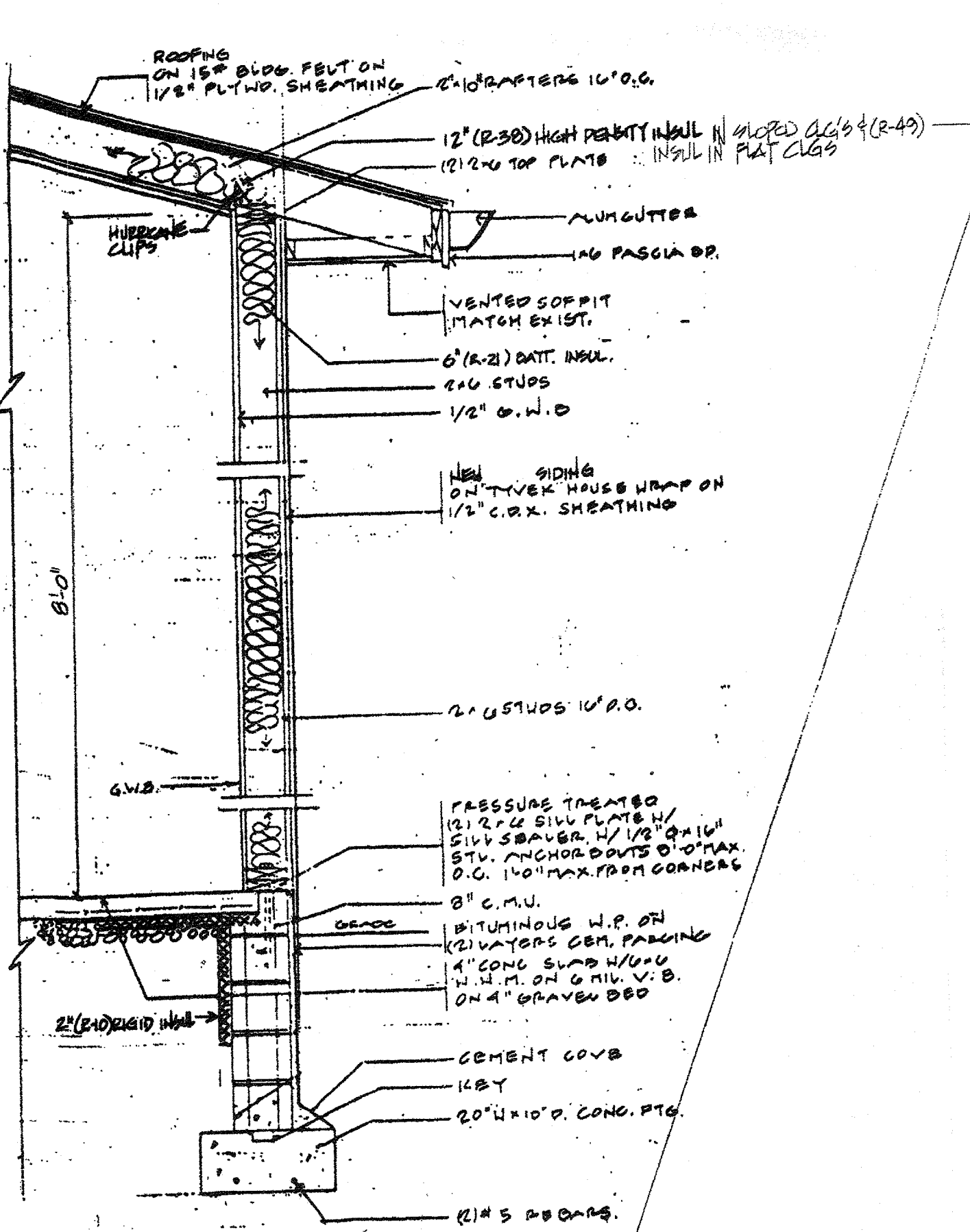
CLIMATE ZONE	FENESTRATION U-FACTOR	GLAZED FENESTRATION U-FACTOR	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	ROOF R-VALUE	SLAB R-VALUE	OPPOSITE WALL R-VALUE
4 - except North	0.35	0.55	0.40	49	20" 13 + 5"	8/13	19	10/13	10.2 ft
5 and North 4	0.27	0.55	NR	49	20" 13 + 5"	13/17	39 g	15/19	10.2 ft

TABLE R501.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENTS - MOISTLAND/CHANGING CLIMATE ZONES

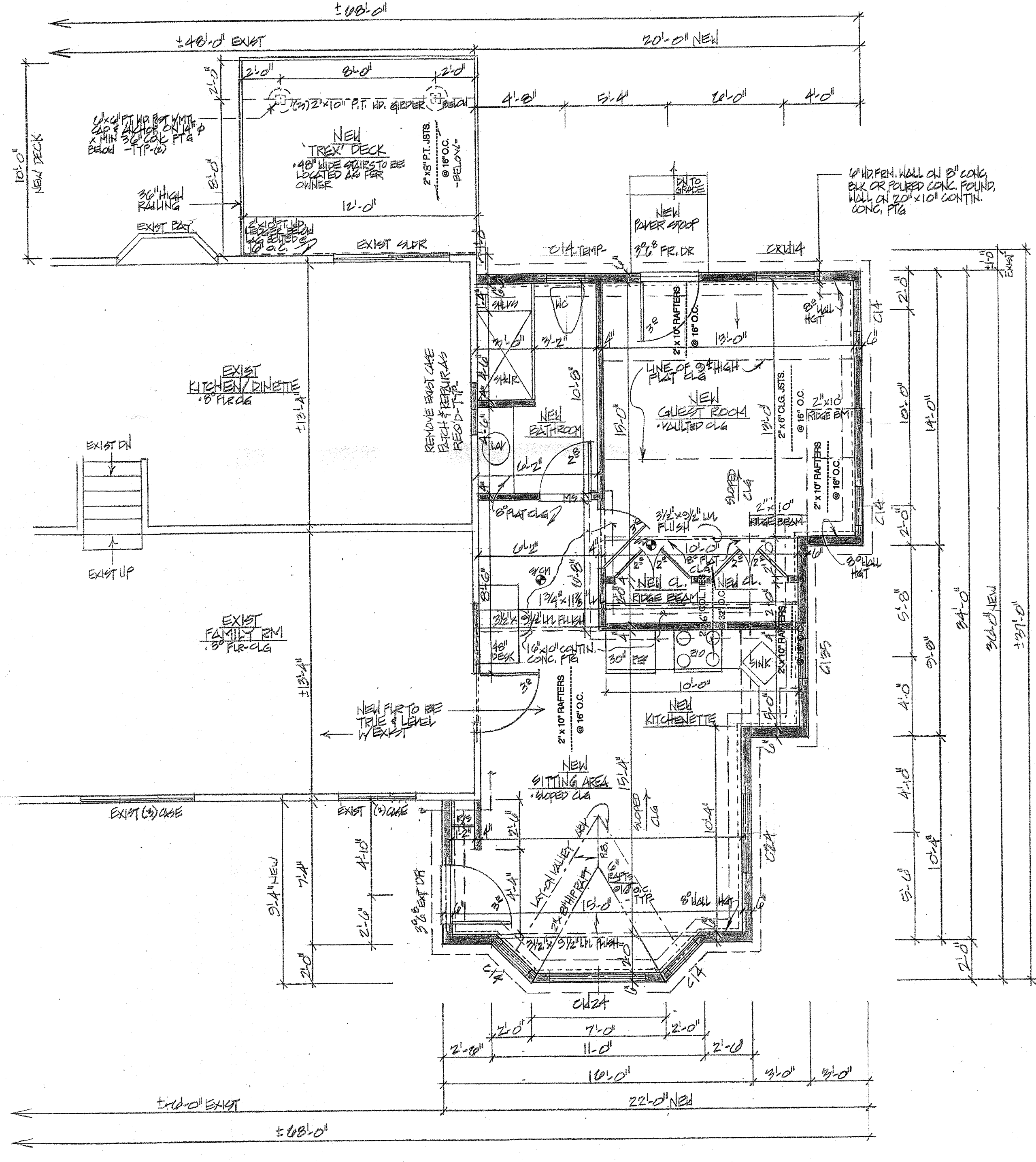
CLIMATE ZONE	FENESTRATION U-FACTOR	GLAZED FENESTRATION U-FACTOR	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	ROOF R-VALUE	SLAB R-VALUE	OPPOSITE WALL R-VALUE
4 - except North	0.35	0.55	0.40	49	20" 13 + 5"	8/13	19	10/13	10.2 ft
5 and North 4	0.32	0.55	NR	49	13 + 5"	13/17	39 g	15/19	10.2 ft

GENERAL SPECIFICATIONS

- GENERAL NOTES**
1. ALL WORK PERFORMED SHALL COMPLY WITH THE BUILDING AND ZONING ORDINANCES OF THE TOWN OF SANDRA, NEW YORK, AND THE N.Y.S. BUILDING AND ENERGY CODES.
 2. THESE PLANS ARE TO BE USED FOR PERMIT'S CONSTRUCTION GUIDE ONLY. IT IS NOT INTENDED TO BE USED AS A CONTRACT DOCUMENT, UNLESS OTHERWISE INDICATED BY ARCHITECT.
 3. CONTRACTOR OR ANY SUBCONTRACTOR DOING ANY WORK UNDER THIS CONTRACT SHALL CARRY LIABILITY AND PROPERTY DAMAGE INSURANCE AGAINST ACCIDENTS OF ALL KINDS AND SHALL FURNISH OWNER WITH CERTIFICATE OF INSURANCE.
 4. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL DIMENSIONS ON THESE PLANS AGAINST FIELD CONDITIONS PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
 5. ALL DIMENSIONS AND LOCATIONS AS INDICATED ON THE DRAWINGS SHALL BE CONSIDERED AS REASONABLY CORRECT, BUT IT SHALL BE UNDERSTOOD THAT THEY ARE SUBJECT TO MODIFICATION AS MAY BE NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION TO MEET ANY UNFORESEEN OR OTHER CONDITION.
 6. ARCHITECT AND RELATED CONSULTANTS HAVE NOT BEEN RETAINED FOR CONSTRUCTION INSPECTION SERVICES OR FOR APPROVAL OF SHOP DRAWINGS. ARCHITECT IS ONLY RESPONSIBLE FOR THESE WORKING DRAWINGS AND THEIR RELATED SPECIFICATIONS. IT REMAINS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE BUILDING DEPARTMENT OR THE ARCHITECT OF ANY DISCREPANCY OR CHANGE ON APPROVED PLANS AND OF ANY UNFORESEEN DEVELOPMENT THAT MAY OCCUR DURING THE COURSE OF CONSTRUCTION.
 7. ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY EXISTING STRUCTURE OR ANY UNFORESEEN PROBLEMS PRIOR TO NEW CONSTRUCTION. ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY NEW CONSTRUCTION AND/OR DEMOLITIONS OPERATIONS AND METHODS.
 8. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS. ALL DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED. ARCHITECT SHALL BE INFORMED OF ANY DISCREPANCIES, MATCH ALL EXISTING MATERIALS, DIMENSIONS, AND CONDITIONS AS THEY APPLY.
 9. ALL DIMENSIONS ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED PRIOR TO START OF WORK. DO NOT SCALE DIMENSIONS FROM DRAWINGS. WRITTEN DIMENSIONS ARE TO BE FOLLOWED FOR CONSTRUCTION PURPOSES.
 10. ALL CONSTRUCTION MATERIALS SHALL BE NEW - UNLESS OTHERWISE NOTED. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR, UNLESS OTHERWISE NOTED.
 11. ALL WORK OF THE VARIOUS TRADES INVOLVED WITH THE CONSTRUCTION OF THIS PROJECT, IS TO BE PERFORMED BY QUALIFIED AND REPUTABLE CONTRACTORS, LICENSED IN THE STATE OF NEW YORK AND AS REQUIRED BY THE LOCAL GOVERNING AGENCY.
 12. NO WORK SHALL BE STARTED UNTIL A BUILDING PERMIT HAS BEEN SECURED AS REQUIRED BY THE LOCAL GOVERNING AGENCY OR AGENCIES.
- CONCRETE AND MASONRY**
24. NEW POLYMER CONCRETE TO BE MINIMUM 3000 P.S.I. COMPRESSIVE STRENGTH BY 28 DAYS. 40% RATIO OF CEMENT BY WEIGHT TO SAND AND MAXIMUM 7 1/2 GALLONS OF WATER PER CUBIC YARD OF CONCRETE. 14 GALLONS OF WATER PER CUBIC YARD OF CONCRETE FOR AIR ENTRAINMENT CONCRETE. SUBMIT TESTING REPORTS PERFORMED BY APPROVED TEST LABORATORY, AS REQUIRED BY LOCAL CODES.
 25. CONCRETE DESIGN, MATERIALS AND METHODS OF CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE STANDARD 28 RATIO OF THE AMERICAN CONCRETE INSTITUTE. ALL MASONRY OR CONCRETE ANCHORS AND FASTENERS OF ANY KIND, TO BE GALVANIZED OR ZINC COATED.
 26. BLOCK FOUNDATION WALLS TO BE REINFORCED HORIZONTALLY WITH DUREX-WALL EVERY SECOND COURSE AND VERTICALLY WITH #4 1/2 REBAR EVERY FOUR FEET. BLOCK SHALL BE FILLED SOLID WITH CONCRETE AROUND REINFORCING BARS. TOP COURSE OF BLOCK SHALL BE FILLED SOLID WITH CONCRETE AND 3/4" DIAMETER ANCHOR BOLTS SHALL BE PLACED 4" TO 7" O.C.
- FRAMING**
27. ALL LUMBER MATERIALS USED IN THE BUILDING SHALL BE GOOD, SOUND, DRY MATERIAL, FREE FROM ROT, LARGE AND LOCAL KNOTS, SHAKES, AND OTHER IMPROPERITIES WHEREBY THE STRENGTH MAY BE IMPAIRED AND OF SIZES INDICATED ON DRAWINGS. STUDS, SILLS, POSTS, LINTELS AND PARTERS SHALL BE HEAR-FIT. 10% MAXIMUM GRADE EXCEPT IF NOTED OTHERWISE HEREINAFTER IN THIS SPECIFICATION OR ON THE DRAWINGS. THE MIN. UNIT STRESS FOR H&H SHALL BE:
 - FIBER STRESS (F_b) = 1500 PSI
 - HORIZONTAL SILESS (F_v) = 95 PSI
 - MODULUS OF ELASTICITY (E) = 1,800,000 PSI
 28. WHERE INDICATED ON THE DRAWINGS WITH THE NOTATION FB-1000 ONLY DOUGLAS FIR-LARCH-NORTHS (10% MAX. MOISTURE) NO. 1 GRADE SHALL BE USED WITH THE FOLLOWING MIN. UNIT STRESSES:
 - FIBER STRESS (F_b) = 1500 PSI
 - HORIZONTAL SILESS (F_v) = 95 PSI
 - MODULUS OF ELASTICITY (E) = 1,800,000 PSI
 29. CALCULATED DESIGN LOADS (L₀) IS THE DEAD LOAD (S_D) SHALL BE:
 - ROOF: 30 PSF LIVE LOAD (L₀)
 - FLOORS: 40 PSF LIVE LOAD (L₀)
 - ATTIC: 30 PSF LIVE LOAD (L₀)
 - DECKS: 80 PSF LIVE LOAD (L₀)



TYPICAL WALL SECTION
NOTE: FUR-DOWN ALL CATHEDRAL CEILINGS AS REQUIRED TO ALLOW FOR PROPER INSULATION & VENTILATION



MAIN FLOOR/FOUNDATION PLAN
NOTE: ALL HEADERS ARE TO BE (2) 2"x10" UNLESS OTHERWISE INDICATED
SCALE: 1/4" = 1'-0"
EXIST. S.F.: 1163; NEW S.F.: 622 TOTAL MAIN FLR. S.F.: 1785
EXIST. ONE-CAR GARAGE S.F.: 252
EXIST. 2ND. FLOOR LIVING S.F.: 775

13. ALL CONDITIONS AND DIMENSIONS SHALL BE VERIFIED BEFORE START OF ANY WORK AND DISCREPANCIES OR VARIATIONS TO APPROVED PLAN ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE PROCEEDING.
 14. PRIOR TO COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE JOB SITE ALL TOOLS, SURPLUS MATERIALS, EQUIPMENT, DEBRIS, AND WASTE EXCEPT AS OTHERWISE NOTED BY THE OWNER.
 15. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES AND VERIFYING LOCATION OF SAME UTILITY COMPANIES LINES, SERVICES AND OTHER POSSIBLE EQUIPMENT OF UTILITY COMPANY.
 16. ALL EXISTING CONDITIONS INDICATED ON THE PLANS TO BE REMOVED OR RELOCATED ARE TO BE SO EXECUTED IN A MANNER THAT WILL NOT DISTURB ADJACENT AREAS OR CONDITIONS WHICH ARE TO REMAIN.
 17. EXTREME CAUTION IS TO BE TAKEN DURING EXCAVATION AND/OR DEMOLITION. CONTRACTOR TO OBSERVE ANY VARIATIONS OR UNFORESEEN DISCREPANCIES IN THE PLANS AND REPORT IMMEDIATELY TO THE OWNER.
 18. ALL FOOTINGS TO REST ON VIRGIN SOIL HAVING A MINIMUM BEARING CAPACITY OF 3000 P.S.I. AT 2' MINIMUM BELOW THE FINISHED GRADE.
 19. EARTH UNDER CONCRETE SLAB BE THOROUGHLY COMPACTED AND CLEANED OF DEBRIS, WATER AND OTHER MATTER. THE SUB-GRADE SHALL DROUGHT TO A TRUE PLANE & COMPACTED TO SOLID BEARING. ALL FILL MATERIAL SHALL BE 50% OR SOIL-ROCK MIXTURE FREE FROM ORGANIC MATTER AND OTHER OBJECTIONABLE MATERIAL. IT SHALL CONTAIN NO ROCKS OR LUMPS OVER SIX INCHES IN GREATEST DIMENSION AND NOT MORE THAN 1% OF THE ROCKS OR LUMPS SHALL BE LARGER THAN 2" IN GREATEST DIMENSION.
 20. DO NOT BACKFILL UNTIL MAIN FLOOR SYSTEMS, INCLUDING SLABS AND FLOOR DECK, ARE INSTALLED.
 21. BACKFILL AGAINST 4" POLYMER CONCRETE WALLS SHALL BE A MAXIMUM OF 7" OF AID CONCRETE BLOCK WALLS MAXIMUM 6" ABOVE SLAB TO ADJACENT GRADE.
 22. TOP 4" OF NEWLY GRADED AREAS IS TO BE TOP SOIL, RAKED FREE FROM DEBRIS, STONES, STUMPS OVER 1/2" IN SIZE AND OBJECTIONABLE MATERIAL.
 23. GENERAL CONTRACTOR OR OWNER SHALL FIELD VERIFY ALL INVERT ELEVATIONS AND SEWER CONDITIONS INDICATED PRIOR TO CONSTRUCTION. ARCHITECT ASSUMES NO RESPONSIBILITY FOR INFORMATION CONTAINED IN SURVEYS OR SURVEY DEPT. RECORDS.
 24. FOOTING DRAINS TO BE PROVIDED WHERE REQUIRED AND APPROPRIATE THEY SHALL BE LAID IN GRAVEL BED AND PROTECTED AT TOP WITH FILTER FABRIC AND PROVIDE POSITIVE OUTFLOW TO STORM DRAIN OR DRY WELL.
 25. FINISHED GRADE AND DRIVEWAY SHALL PITCH AWAY FROM THE BUILDING, SO THAT ALL SURFACE WATER FLOWS AWAY FROM IT.
 26. INSTALLATION OF GAS METERS SHALL BE IN STRICT ACCORDANCE WITH LOCAL UTILITY COMPANY SPECIFICATIONS.
 27. INSTALLATION OF ELECTRIC METERS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH LOCAL UTILITY COMPANY SPECIFICATIONS.
 28. FINISHED GRADE HEIGHT SHALL BE MINIMUM 4" BELOW ADJACENT FRAMING AND MAXIMUM (IF ANY) AS PER LOCAL CODES.
- CONCRETE AND MASONRY**
24. NEW POLYMER CONCRETE TO BE MINIMUM 3000 P.S.I. COMPRESSIVE STRENGTH BY 28 DAYS. 40% RATIO OF CEMENT BY WEIGHT TO SAND AND MAXIMUM 7 1/2 GALLONS OF WATER PER CUBIC YARD OF CONCRETE. 14 GALLONS OF WATER PER CUBIC YARD OF CONCRETE FOR AIR ENTRAINMENT CONCRETE. SUBMIT TESTING REPORTS PERFORMED BY APPROVED TEST LABORATORY, AS REQUIRED BY LOCAL CODES.
 25. CONCRETE DESIGN, MATERIALS AND METHODS OF CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE STANDARD 28 RATIO OF THE AMERICAN CONCRETE INSTITUTE. ALL MASONRY OR CONCRETE ANCHORS AND FASTENERS OF ANY KIND, TO BE GALVANIZED OR ZINC COATED.
 26. BLOCK FOUNDATION WALLS TO BE REINFORCED HORIZONTALLY WITH DUREX-WALL EVERY SECOND COURSE AND VERTICALLY WITH #4 1/2 REBAR EVERY FOUR FEET. BLOCK SHALL BE FILLED SOLID WITH CONCRETE AROUND REINFORCING BARS. TOP COURSE OF BLOCK SHALL BE FILLED SOLID WITH CONCRETE AND 3/4" DIAMETER ANCHOR BOLTS SHALL BE PLACED 4" TO 7" O.C.
- FRAMING**
27. ALL LUMBER MATERIALS USED IN THE BUILDING SHALL BE GOOD, SOUND, DRY MATERIAL, FREE FROM ROT, LARGE AND LOCAL KNOTS, SHAKES, AND OTHER IMPROPERITIES WHEREBY THE STRENGTH MAY BE IMPAIRED AND OF SIZES INDICATED ON DRAWINGS. STUDS, SILLS, POSTS, LINTELS AND PARTERS SHALL BE HEAR-FIT. 10% MAXIMUM GRADE EXCEPT IF NOTED OTHERWISE HEREINAFTER IN THIS SPECIFICATION OR ON THE DRAWINGS. THE MIN. UNIT STRESS FOR H&H SHALL BE:
 - FIBER STRESS (F_b) = 1500 PSI
 - HORIZONTAL SILESS (F_v) = 95 PSI
 - MODULUS OF ELASTICITY (E) = 1,800,000 PSI
 28. WHERE INDICATED ON THE DRAWINGS WITH THE NOTATION FB-1000 ONLY DOUGLAS FIR-LARCH-NORTHS (10% MAX. MOISTURE) NO. 1 GRADE SHALL BE USED WITH THE FOLLOWING MIN. UNIT STRESSES:
 - FIBER STRESS (F_b) = 1500 PSI
 - HORIZONTAL SILESS (F_v) = 95 PSI
 - MODULUS OF ELASTICITY (E) = 1,800,000 PSI
 29. CALCULATED DESIGN LOADS (L₀) IS THE DEAD LOAD (S_D) SHALL BE:
 - ROOF: 30 PSF LIVE LOAD (L₀)
 - FLOORS: 40 PSF LIVE LOAD (L₀)
 - ATTIC: 30 PSF LIVE LOAD (L₀)
 - DECKS: 80 PSF LIVE LOAD (L₀)

OLIVA RESIDENCE ONE-STORY ADDITION
11 SANDRA LANE PEARL RIVER, N.Y.

HARRY J. GOLDSTEIN ARCHITECT
DESIGN & DEVELOPMENT

4809A ROAD
MONROE, NEW YORK 10952
N.Y.S. LICENSE NO. 05318
NOT VALID UNLESS SIGNED & SEALED

PROJECT 202402
MAY 21, 2024

2 OF 2