NEW ANIMAL SHELTER 225 MAPLE AVENUE MONTVILLE, CT 06353 BID #2025-03

S/P+A PROJECT #22.130

DATE: October 31, 2024

The following changes to the Drawings and Project Specifications shall become a part of the Drawings and Project Specifications; superseding previously issued Drawings and Project Specifications to the extent modified by Addendum #1.

General Information:

• The deadline for RFIs was Tuesday, November 28, 2023, 10:00am.

Changes to the Specifications:

- SUPPLEMENTARY INSTRUCTIONS TO BIDDERS, Page 1:
 - Article 3.2.2, add to the end "and revise [by the Architect at least seven days prior to the date for receipt of Bids] to read [as indicated on the Invitation for Proposals]".
 - Article 3.4.3, revise "24 hours prior to date and time for receipt" to read "time frame indicated on the Invitation for Proposals". (*Per Internal Review*)

New Drawings:

- The following STRUCTURAL drawings have been added and are attached as part of this addendum* (8):
 - S000 ISOMETRIC VIEWS
 - S001-S002 STRUCTURAL NOTES
 - S100 FOUNDATION PLAN
 - S101 ROOF FRAMING PLAN
 - o S200 STRUCTURAL SECTIONS
 - o S300-S301 STRUCTURAL DETAILS (Per Internal Review)

The bid date remains unchanged by this addendum.

The addendum consists of one (1) page of 8½" x 11" text and eight (8) 30" x 42" drawings*. End of Addendum #1





silverpetrucelli.com

GENE	RAL STRUCTURAL NOTES		REINFORCED CONCRETE		
1.	ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 202 CODE AND ITS APPLICABLE REFERENCED STANDARDS.	22 CONNECTICUT STATE BUILDING	1. ALL CONCRETE W PROPORTIONING (CURING PROCEDL	ORK SHALL CONI DF CONCRETE M IRES.	FORM TO IX, CONC
2.	THE CONTRACTOR SHALL COORDINATE ALL DIMENSIONS AND EL ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. ANY DIS TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND ENGINE	2. ALL COLD WEATH SHALL BE RESPON	ER CONCRETING	SHALL C MITTING A	
3.	THE CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF ALL SLEEVES, OPENINGS AND ANCHORAGES (INCLUDING ANCHOR BOLTS) AS REQUIRED BY ALL TRADES. OPENINGS NOT SPECIFICALLY SHOWN SHALL BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.		3. ALL HOT WEATHEI SHALL BE RESPON	R CONCRETING S	SHALL CO MITTING A
4.	IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PI METHOD OF SHORING AND / OR BRACING THE STRUCTURE DURI	ROVIDE FOR A SAFE AND EFFICIENT NG CONSTRUCTION. SHOULD	4. ALL CONCRETE CL	JRING SHALL CO	I. NFORM T
	CONSTRUCTION LOADS (MANPOWER, EQUIPMENT OR OTHERWIS CONSTRUCTION LIVE LOAD, THE CONTRACTOR SHALL BE RESPO	SE) EXCEED THE 20 PSF INSIBLE FOR SUBMITTING	5. CONCRETE SHALL	HAVE 28-DAY CO	
	THE STATE OF CONNECTICUT. THE CONTRACTOR SHALL CARRY TEMPORARY LOADS DURING CONSTRUCTION.	ALL COSTS ASSOCIATED WITH	6. ALL REINFORCING WELDED AS SHOW	BARS SHALL CO	NFORM T
5.	ALL WORK SHALL BE CONTINUOUSLY MONITORED AND INSPECT AGENCY REFER TO SPECIAL INSPECTION NOTES ON THIS SHEET INSPECTION REPORTS TO THE ARCHITECT & ENGINEER FOR REV	ED BY AN INDEPENDENT TESTING . SUBMIT ALL TEST AND /IEW.	CONFORM TO AST 7. WELDED WIRE FAI	M A706, GRADE 6 BRIC SHALL CON	60. FORM TO
6.	STRUCTURAL MEMBERS SHALL NOT BE MODIFIED IN THE FIELD W FROM THE STRUCTURAL ENGINEER. IN THE EVENT OF A CONSTR THE CONTRACTOR SHALL PREPARE A SKETCH WITH A PROPOSE ARCHITECT AND ENGINEER OF RECORD FOR APPROVAL PRIOR T	VITHOUT WRITTEN APPROVAL RUCTION OR FABRICATION ERROR, ED REPAIR, AND SUBMIT IT TO THE FO PERFORMING ANY CORRECTIVE	8. ALL REINFORCEMI REQUIRED, ADDITI FURNISH SUPPOR	NCRETE PLACEM ENT SHALL BE SE ONAL BARS OR S T FOR ALL BARS.	CURELY
7.	WORK. SUBMIT SHOP DRAWINGS AND RFIS FOR REVIEW, APPROVAL, AN INDICATED HEREIN) PRIOR TO PROCEEDING WITH FABRICATION CONTRACTOR SHALL ALLOW FOR A 2 WEEK REVIEW PERIOD BY	D RESPONSE (FOR ALL TRADES AND / OR CONSTRUCTION. THE DESIGN TEAM.	9. ALL REINFORCING NOT SPECIFICALL SPLICES SHALL BE	BARS SHALL BE (INDICATED ON IN ACCORDANC	LAPPED THE DRA E W/ ACI
8.	IN ANY CASE OF CONFLICT BETWEEN THE NOTES, DETAILS AND REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL MAKE NO DOCUMENTS WITHOUT WRITTEN APPROVAL OF THE ENGINEER.	SPECIFICATIONS, THE MOST RIGID DEVIATION FROM CONTRACT	10. PROVIDE THE FOL ELEMENTS (UNLES A. SURFACES B. SURFACES C. SLABS AN	LOWING CLEAR F SS OTHERWISE N CAST AGAINST I EXPOSED TO EA D JOISTS	PROTECT IOTED): EARTH: ARTH / WI
9. 10.	JOB SAFETY AND CONSTRUCTION PROCEDURES ARE THE RESPO	ONSIBILITY OF THE CONTRACTOR.	D. SLABS ON E. BEAMS, CO	GRADE DLUMNS, ETC	
-	STRUCTURAL ELEMENTS OR OTHER LACK OF CONFORMANCE W SHALL BE AT THE CONTRACTOR'S EXPENSE.	ITH THE PROJECT DOCUMENTS,	11. PROVIDE CONSTR	UCTION JOINTS I	
11.	THESE DRAWINGS REPRESENT THE COMPLETED PROJECT WHIC WEIGHTS OF THE MATERIALS INDICATED ON THE DRAWINGS AND INDICATED IN THE DESIGN DATA IT IS THE CONTRACTOR'S RESP	CH HAS BEEN DESIGNED FOR THE D FOR THE SUPERIMPOSED LOADS	AMPLITUDE FOR T AND APPLY A BON	HE ENTIRE INTER DING AGENT AS I	RSECTING
	ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER I FALSEWORK, FORMWORK, STAGINGS, BRACING, SHEETING AND	DESIGN AND CONSTRUCTION OF SHORING, ETC.	13. CONTRACTOR SHA CURBS, ETC., AS F	ALL FIELD VERIFY EQUIRED BY OTI	/ DIMENS HER TRAI
12.	TYPICAL DETAILS APPLY REPETITIVELY ON THE PROJECT. CONTR GENERAL REQUIREMENTS OF TYPICAL DETAILS WITH PROJECT (SPECIFICATIONS, AND SECTIONS.	RACTOR SHALL COORDINATE THE CONDITIONS, PLANS,	14. CONTRACTOR SHA BE EMBEDDED IN (ALL COORDINATE CONCRETE WITH	E LOCATIO I ARCHITE
13.	THE PLAN AND DETAILS HEREIN ARE BASED ON LIMITED SITE OBSERVATIONS AND EXISTING		15. CONTRACTOR SH/ INSTALL ANCHOR	ALL USE RIGID ST RODS.	FEEL TEM
	SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENG	GINEER.	16. PROVIDE CORNER REINFORCEMENT.	BARS AT ALL WA	ALL CORN LAPPED
			17. COORDINATE ALL ARCHITECT / ENGI	PENETRATIONS I NEER FOR REVIE	PRIOR TO EW.
DEOU			18. SUBMIT REINFORC THE ARCHITECT / I FRECTOR WITH A	CING STEEL SHOP ENGINEER, THE C	P DRAWIN CONTRAC
<u>DESI</u> 1.	SUPERIMPOSED DEAD LOAD:		19. NO HORIZONTAL C	ONSTRUCTION J	IOINTS W
	A. ROOF B. FLOOR	. 12 PSF . 15 PSF	UNLESS SPECIFIC CONSTRUCTION B	ALLY SHOWN ON Y THE ENGINEER	THE DRA R.
2.	FLOOR LIVE LOAD: A. OFFICES (UNIFORM)	50 PSF	20. NO CONCRETE TE TEST IS PERFORM	ST WILL BE ACCE ED. REPEAT TES	T IF WATE
_	C. PARTITION LOADS	15 PSF	21. CONTRACTOR SHA FLOOR DEPRESSIO	ALL COORDINATE DNS, ETC., WITH	E LOCATIO
3.	A. MINIMUM ROOF LIVE LOAD (UNIFORM)	20 PSF	22. HORIZONTAL PIPE THE DIAMETER OF	S OR CONDUITS THE PIPE OR CO	PLACED I DNDUIT, C
4.	ROOF SNOW LOAD DATA: A. GROUND SNOW LOAD, Pg	30 PSF	23. ALL SLABS SHALL	BE FLAT AND LE\	VEL PER 1
	 FLAT ROOF SNOW LOAD, Pf SNOW EXPOSURE FACTOR, Ce SNOW LOAD IMPORTANCE FACTOR, Is THERMAL FACTOR, Ce 	1.0 1.0 1.0	24. ALL CONCRETE W INDEPENDENT TES TESTING REQUIRE	ORK, REINFORCI STING AGENCY R D ITEMS.	NG, PLAC ETAINED
5.	WIND DESIGN DATA: A. BASIC WINDSPEED, Vult	125 MPH (3-SEC. GUST)	25. FOUNDATIONS SH ACCORDANCE WIT NOMINAL RESISTIV	ALL BE PROTECT TH ASCE 32-01 WI	TED FROM
	B. NOMINAL WINDSPEED, Vasd C. RISK CATEGORY D. WIND EXPOSURE CATEGORY E. INTERNAL PRESSURE COEFFICIENT, GCpi	97 МРН (3-SEC. GUST) . II . C . +/- 0.18	26. LIMITATIONS: IT MU TOTALLY FREE OF	JST BE NOTED TI CRACKS AND MI	HAT NO S INOR SIGI
6	 F. BASE PRESSURE, qh G. NET UPLIFT ON ROOF (SERVICE) H. COMPONENTS AND CLADDING LOADS 	29 PSF 10 PSF PER CH. 30 OF ASCE7-16	CRACKING OR RIG	ADDITION, PRO HE ABOVE CAN IN ID SURFACES.	DUCTS CONDUCE ST
б.	<u>EAR I HQUAKE DESIGN DA I A:</u> A. RISK CATEGORY B. SEISMIC IMPORTANCE FACTOR, I _e C. S ₅ D S1	II 1.0 0.198 0.054	COI	NCRETE	ΜΙΧ (
	E. SITE CLASS F. S _{ds} G. S _{d1}	D 0.211 0.086	ІТЕМ	CONCRETE	EXPOS
	H. SEISMIC DESIGN CATEGORY I. ANALYSIS PROCEDURE	B EQUIVALENT LATERAL FORCE	SLAB ON GRADE (EXTERIO	DR) NW	F3
	J. ANALYSIS PARAMETERS:		SLAB ON GRADE (INTERIC	R) NW	F0
	BOTH DIRECTIONS SEISMIC RESISTING SYSTEM(S)	ORDINARY REINFORCED MASONRY SHEAR WALLS	FOUNDATION WALLS & PI	ERS NW	F2

2.0

2.5

2000 PSF (ASSUMED)

GC DETERMINE

FOOTINGS

(INTERIOR)

CONCRETE ON METAL DECK

NW

LW

Project Title: Montville Animal Shelter

RESPONSE MODIFICATION FACTOR, R ...

OVERSTRENGTH, Ω

GEOTECHNICAL INFORMATION: A. DESIGN BEARING CAPACITY ...

B. BEARING STRATA

Montville, CT 06370

1.	CTURAL LUMBER / ROUGH CARPENTRY:		
	ALL WORK SHALL BE IN CONFORMANCE WITH THE AMERICAN FOREST AND PAPER ASSOCIATION STANDARDS AND SPECIFICATIONS.		
2.	ALL DIMENSIONAL LUMBER SHALL BE DOUGLAS FIR-LARCH NORTH NO. 2 OR BETTER (19% MOISTURE CONTENT OR LESS.)		
3.	ALL SILL PLATES IN CONTACT WITH CONCRETE AND EXPOSED LUMBER SHALL BE PRESERVATIV PRESSURE TREATED SOUTHERN PINE NO. 2 OR BETTER.		
4.	ALL INTERIOR AND EXTERIOR BEARING WALLS SHALL BE 2x6 AT 16" ON-CENTER DOUGLAS FIR- LARCH NORTH NO. 2 OR BETTER, UNLESS NOTED OTHERWISE. SEE BELOW FOR MINIMUM DESI- VALUES		
5.	PROVIDE METAL HANGERS AT ALL FLUSH FRAMED CONNECTIONS, INCLUDING RAFTERS / HIPS / VALLEYS TO THE STRUCTURAL RIDGE BEAM / BOARD.		
6.	ALL STRUCTURAL BUILT-UP MEMBERS SHALL BE COMPRISED OF FULL LENGTH PLIES FASTENED PER THE IBC. NO SPLICING OF PLIES IS PERMITTED UNLESS NOTED ON THE DRAWINGS		
7.	ALL FASTENERS SHALL BE IN CONFORMANCE WITH THE FASTENING SCHEDULE IN THE INTERNATIONAL BUILDING CODE, UNLESS NOTED OTHERWISE, FASTENERS EXPOSED TO THE		
8.	WEATHER SHALL BE HOT-DIP GALVANIZED OR STAINLESS STEEL.		
9.	ALL ROOF DECK SHALL BE 5/8" GRADE CDX PLYWOOD AND SHALL BE SUPPORTED BY METAL CL		
10. 11.	ALL FLOOR DECK SHALL BE 3/4" ADVANTECH TONGUE AND GROOVE PLYWOOD. ALL FLOOR AND ROOF DECKING SHALL BE INSTALLED WITH ANNULAR RING SHANK NAILS (STA SHALL NOT BE PERMITTED) WITH INSTALLATION PROCEDURES CONFORMING TO THE GOVER! AGENCY STAMPED ON THE SHEETS.		
12.	ALL ROOF AREAS THAT ARE OVER-FRAMED SHALL CONTAIN ROOF DECKING ON THE UNDER- FRAMED MATERIAL, UNLESS NOTED OTHERWISE.		
13.	WHERE INDICATED, ALL LUMBER NOTED AS "LVL" SHALL BE VERSA-LAM LAMINATED VENEER LUMBER, AS MANUFACTURED BY BOISE CASCADE OR WEYERHAUSER.		
14.	WHERE INDICATED, ALL MEMBERS NOTED AS "TJI" SHALL BE ENGINEERED WOOD I JOISTS, AS MANUFACTURED BY WEYERHAEUSER. FLOOR BRIDGING AND / OR BLOCKING SHALL BE INSTA		
1 15.	PER JOIST MANUFACTURER'S RECOMMENDATIONS. ALL PLYWOOD AND STRUCTURAL USE PANELS SHALL CONFORM TO THE REQUIREMENTS OF TH APA - THE ENGINEERED WOOD ASSOCIATION.		
) 16. 17.	ALL WALL STUDS CUT FOR OTHER TRADES OVER 1/4 OF THE STUD DEPTH SHALL BE DOUBLED. SHOP DRAWINGS / SUBMITTALS ARE REQUIRED FOR THE FOLLOWING: JOISTS, HANGERS, BEAM AND STEEL. PHOTOCOPYING OF CONTRACT DOCUMENTATION FOR SUBMITTAL PURPOSES SHA NOT BE PERMITTED AND WILL BE REJECTED WITHOUT REVIEW.		
18.	WHERE STUD WALLS ARE GREATER THAN 8'-0", PROVIDE A ROW OF 2X SOLID HORIZONTAL BLOCKING.		
19.	ALL OPENINGS SHALL BE FRAMED BY DOUBLE MEMBERS UNLESS NOTED OTHERWISE.		
20.	PROVIDE 1"x4" CROSS-BRIDGING FOR ALL SOLID SAWN WOOD JOISTS AT 8'-0" ON-CENTER MAXIMUM SPACING AND 2x SOLID BLOCKING BETWEEN JOISTS AT ALL SUPPORTS AND PARTITIC		
21.	MINIMUM LUMBER ALLOWABLE DESIGN STRESSES SHALL BE IN ACCORDANCE WITH THE NATION DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) SUPPLEMENT AND AS FOLLOWS:		
	MEMBERMODULUS OF ELASTICITY, EFLEX. STRESS F_b COMP. PERP. TO GRAIN $F_{c_{\perp}}$ COMP. PARALLEL TO GRAIN $F_{c_{\parallel}}$ HORIZ. SHEAR F_v DFL1.0 u 100 mai050 mai025 mai1400 mai1400 mai		
	NORTH #2 1.0 x 10 ⁶ psi 850 psi 625 psi 1400 psi 180 psi PSL POST 1.8 x 10 ⁶ psi 2400 psi 545 psi 2500 psi 190 psi		
	PSL BEAM 2.0 x 10 ⁶ psi 2900 psi 625 psi 2900 psi 290 psi		
	LVL 2.0 x 10 ⁶ psi 2600 psi 750 psi 2510 psi 285 psi		
CONS	THE STRUCTURE HAS BEEN DESIGNED TO RESIST THE MINIMUM CODE RRESCRIPED CRAVITY A		
ι.	LATERAL LOADS. DESIGN IS BASED ON ALL FACETS OF CONSTRUCTION ADHERING TO THE PLAN AND DETAILS AS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD (S.E.R.) STRONGLY		
	GENERAL CONTRACTOR (G.C.) IS FOLLOWING THE PLANS AND DETAILS SPECIFIED BY THE S.E.R. SHOULD THE S.E.R. NOT BE REQUESTED TO INSPECT CONSTRUCTION PROGRESS / CONFORMANCE, THE S.E.R. HEREBY INDEMNIFIES THE S.E.R. AND ALL EMPLOYEES HERETO OF CLAIMS RELATED TO LACK OF CONFORMANCE OF THE DESIGN SPECIFIED BY THE G.C. USE OF PLANS, EITHER BY SUBMISSION FOR PERMIT AND / OR USE AS CONSTRUCTION DOCUMENTS		
CONT	HEREBY CONSTITUTES ACCEPTANCE OF THIS PROVISION SET FORTH BY THE S.E.R. AND EMPLOYEES OF THE S.E.R.		
1.	THE LISTED PROJECT ITEMS BELOW, ASSOCIATED WITH FABRICATION AND ERECTION, SHALL HA SHOP DRAWINGS SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.		
	SUBMISSION OF THE SHOP DRAWINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SHOP DRAWING SUBMISSIONS SHALL BE COORDINATED AND SUBMITTED TO ALLOW FOR SUFFICIENT TIME FOR REVIEW (10 WORKING DAYS) AND COMMENT WITHOUT ADVERSLY AFFECTING THE		
	PROJECT SCHEDULE. A. CONCRETE REINFORCEMENT. B. CONCRETE DESIGN MIX.		
	 C. MISCELLANEOUS METALS AND METAL PAN STAIRS. (*) D. COLD-FORMED METAL FRAMING (C.F.M.F.) (EXTERIOR WALLS ONLY). (*) E. STOREFRONT OR CURTAIN WALL (EXTERIOR WALLS ONLY). (*) F. MASONRY PRODUCTS & REBAR. 		
2.	THE LISTED ITEMS ABOVE, MARKED WITH (*), REQUIRE STRUCTURAL DESIGN AND ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL STRUCTURAL ENGINEER, REGISTERED IN THE STATE OF CONNECTICUT, TO		
	PERFORM THE DESIGN OF THE MARKED ITEMS. CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW, OTHERWISE THE ITEMS SHALL BE SUBMITTED FOR THE OWNER'S RECORD.		
3.	THE LISTED PROJECT ITEMS BELOW, ASSOCIATED WITH MEANS AND METHODS OF CONSTRUCT ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER OF RECORD WILL NOT REVIEV THE ITEMS LISTED BELOW AND ANY SUBMITTALS CONTAINING THIS INFORMATION SHALL BE RETURNED UNREVIEWED.		
	A. UNDERSLAB COORDINATION. B. CONCRETE CONSTRUCTION JOINT LAYOUT. C. CONCRETE POUR SEQUENCE.		
	 D. TEMPORARY SHORING. (+) E. TEMPORARY LOADS ABOVE 20 PSF. (+) F. RAILINGS. (+) 		
	G. MECHANICAL UNIT CURBS. H. MECHANICAL UNIT AND / OR CURB ATTACHMENT. (+)		
4.	THE LISTED ITEMS ABOVE, MARKED WITH (+), REQUIRE STRUCTURAL DESIGN AND ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL STRUCTURAL ENGINEER, REGISTERED IN THE STATE OF CONNECTICUT, TO PERFORM THE DESIGN OF THE MARKED ITEMS. CALCULATIONS SHALL BE SUBMITTED FOR THE		
	WILL BE RETURNED UNREVIEWED.		
	IAL INSPECTIONS:		
SPECI	THE OWNER WILL EMPLOY AND PAY FOR THE SERVICES OF AN INDEPENDENT TESTING AGENCY PROVIDE QUALITY ASSURANCE TESTING AND INSPECTIONS FOR WORK SPECIFIED IN CHAPTER		
<u>SPECI</u> 1.	OF THE CONNECTICUT STATE BUILDING CODE. THE TESTING AGENCY SHALL BE LICENSED IN TH STATE OF CONNECTICUT AND ALL TESTING AND INSPECTIONS SHALL BE PERFORMED UNDER T SUPERVISION OF AN ENGINEER REGISTERED IN THE STATE OF CONNECTICUT		
<u>SPECI</u> 1. 2.	OF THE CONNECTICUT STATE BUILDING CODE. THE TESTING AGENCY SHALL BE LICENSED IN THE STATE OF CONNECTICUT AND ALL TESTING AND INSPECTIONS SHALL BE PERFORMED UNDER 1 SUPERVISION OF AN ENGINEER REGISTERED IN THE STATE OF CONNECTICUT. SPECIAL INSPECTIONS ARE REQUIRED, PER CHAPTER 17 OF THE STATE OF CONNECTICUT BUILDING CODE, FOR THE FOLLOWING ITEMS: A. CONCRETE CONSTRUCTION B. MASONRY CONSTRUCTION C. WOOD CONSTRUCTION		
SPECI 1. 2. 3.	OF THE CONNECTICUT STATE BUILDING CODE. THE TESTING AGENCY SHALL BE LICENSED IN TH STATE OF CONNECTICUT AND ALL TESTING AND INSPECTIONS SHALL BE PERFORMED UNDER T SUPERVISION OF AN ENGINEER REGISTERED IN THE STATE OF CONNECTICUT. SPECIAL INSPECTIONS ARE REQUIRED, PER CHAPTER 17 OF THE STATE OF CONNECTICUT BUILDING CODE, FOR THE FOLLOWING ITEMS: A. CONCRETE CONSTRUCTION B. MASONRY CONSTRUCTION C. WOOD CONSTRUCTION D. SOILS ADDITIONAL SPECIAL INSPECTIONS SHALL BE REQUIRED FOR THE FOLLOWING ITEMS A. ARCHITECTURAL COMPONENTS B. COLD FORMED STEFL FRAMING		
SPECI 1. 2. 3.	OF THE CONNECTICUT STATE BUILDING CODE. THE TESTING AGENCY SHALL BE LICENSED IN TH STATE OF CONNECTICUT AND ALL TESTING AND INSPECTIONS SHALL BE PERFORMED UNDER T SUPERVISION OF AN ENGINEER REGISTERED IN THE STATE OF CONNECTICUT. SPECIAL INSPECTIONS ARE REQUIRED, PER CHAPTER 17 OF THE STATE OF CONNECTICUT BUILDING CODE, FOR THE FOLLOWING ITEMS: A. CONCRETE CONSTRUCTION B. MASONRY CONSTRUCTION C. WOOD CONSTRUCTION D. SOILS ADDITIONAL SPECIAL INSPECTIONS SHALL BE REQUIRED FOR THE FOLLOWING ITEMS A. ARCHITECTURAL COMPONENTS B. COLD FORMED STEEL FRAMING C. STEEL STAIRS, HANDRAILS, AND GUARDRAIL ASSEMBLIES REFER TO THE STATEMENT OF SPECIAL INSPECTIONS FOR INFORMATION ON THE TESTING		
	. 20. 21. . 21. 		

Description:

VALUE ENGINEERING SET

6

SILVER / PETRUCELLI + ASSOCIATES Architects / Engineers / Interior Designers

> 3190 Whitney Avenue, Hamden, CT 06518-2340 Tel. 203 230 9007 Fax. 203 230 8247

silverpetrucelli.com

STRUCTURAL LUMBER / ROUGH CARPENTRY:

DESIGN

L CLIPS.

STALLED

ITY AND PLANS S.E.R. O OF ANY OF

RUCTION, EVIEW

ENCY TO PTER 17 IN THE DER THE

CONTRACTOR OR BE A PARTY TO SCHEDULING OF WORK.

FAILURE OF QUALITY ASSURANCE TESTING AND INSPECTIONS TO DETECT ANY DEFECTIVE WORK OR MATERIAL SHALL NOT IN ANY WAY PREVENT LATER REJECTION WHEN SUCH DEFECT IS NOTED, NOR SHALL IT OBLIGATE THE OWNER'S REPRESENTATIVE FOR FINAL ACCEPTANCE.

THE TESTING AGENCY AND ITS REPRESENTATIVES ARE NOT AUTHORIZED TO REVOKE, ALTER, RELAX, ENLARGE OR RELEASE ANY PORTION OF THE WORK, PERFORM ANY DUTIES OF THE

RECORDS OF INSPECTIONS SHALL BE KEPT AVAILABLE TO THE BUILDING OFFICIAL DURING PROGRESS OF THE WORK AND FOR TWO YEARS AFTER COMPLETION OF THE PROJECT. RECORDS SHALL BE PRESERVED BY THE INDEPENDENT TESTING AGENCY.

Date: Revised By: 9/27/24 ΤZ

SPECIALTY STRUCTURAL ENGINEER NOTES:

- 1. SPECIALTY STRUCTURAL ENGINEERS (SSE'S) ARE THE SPECIALTY ENGINEERS OF RECORD (SEOR) FOR THEIR SPECIFIC BUILDING SYSTEM, HOWEVER, E2 ENGINEERS IS THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE / ENGINEER OF RECORD (EOR) FOR THE ENTIRE PROJECT AND RESPONSIBLE FOR REVIEWING AND VERIFYING THAT ALL COMPONENTS (INCLUDING THOSE GRANTED DEFERRED APPROVAL) OF THE PROJECT ARE PROPERLY DESIGNED BY APPROPRIATELY LICENSED DESIGN PROFESSIONÁLS.
- THE FOLLOWING ITEMS ARE TO BE INCLUDED AS SSE DESIGNS: 2. A. COLD FORMED METAL FRAMING B. METAL PAN STAIRS
- ALL SSE'S REQUIRED FOR THE PROJECT SHALL BE REGISTERED PROFESSIONAL ENGINEERS, IN 3. GOOD STANDING, WITH THE STATE OF CONNECTICUT AND SHALL BE ABLE TO DEMONSTRATE PROFICIENCY IN THE FIELD OF STRUCTURAL ENGINEERING AND WITH THE SPECIFIC MATERIALS AND SYSTEMS UNDER THEIR DESIGN PURVIEW.
- THE SSE SHALL SUBMIT SIGNED AND SEALED DESIGN CALCULATIONS AND SHOP DRAWINGS FOR 4. THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE TO REVIEW. ALL CALCULATIONS SHALL HAVE A BASIS OF DESIGN IN THE FRONT OF THE CALCULATIONS STATING ALL DESIGN ASSUMPTIONS MADE FOR THE ANALYSIS OF THE SYSTEM(S).
- THE SSE SHALL HAVE ERRORS AND OMISSIONS (E&O) COVERAGE COMMENSURATE WITH THE 5. LEVEL OF E&O COVERAGE REQUIRED BY ALL DESIGN PROFESSIONALS ON THE PROJECT. A CERTIFICATE OF PROOF OF INSURANCE SHALL BE SUBMITTED WITH THE DESIGN CALCULATIONS. FAILURE TO PROVIDE THE CERTIFICATE OF PROOF OF INSURANCE MAY RESULT IN A REJECTED SUBMITTAL.

STRUCTURAL NOTES

Drawing Title:

Date: 09.29.2023 _____ Scale: As indicated Drawn By: GKS Project Number: 23078







WALL SCHEDULE				
GRAPHIC WALL				
2x(4 OR 6) AT 16"o.c. STUD BEARING WA				
CMU BEARING WALL				
- XXXX	CMU PARTITION WALL. REFER TO ARCH.			
INTERIOR NON-BEARING PARTITION				
BEARING WALL ABOVE				

WALL THICKNESS		LENGTH OF WALL	HEIGHT OF WALL*	MINIMUM HORIZONTAL REINFORCING	MINIMUM VERTICAL REINFORCING	REMA
EXTERIOR WALLS	6" CMU 8" CMU 10" CMU	NOT LIMITED	UP TO 26'	2 - W 1.7 WIRE @16" o.c.	#5 @ 24" o.c. AND WITHIN 8" OF ENDS OF WALLS	GROUT VOIDS SOLID @ REI PROVIDE CONTINUOUS BON REINFORCED WITH 1 - #5.
LOAD BEARING SHEAR AND GRAVITY INTERIOR WALLS 8" CMU 10" CMU		NOT LIMITED	UP TO 26'	2 - W 1.7 WIRE @16" o.c.	#5 @ 24" o.c. AND WITHIN 8" OF ENDS OF WALLS	GROUT VOIDS SOLID @ REI PROVIDE CONTINUOUS BOI REINFORCED WITH 1 - #5.
NON-BEARING	6" CMU	NOT LIMITED	UP TO 16'	2 - W 1.7 WIRE @16" o.c. & WITHIN 16" OF TOP & BOTTOM OF WALL	#4 @ 48" o.c. AND WITHIN 16" OF ENDS OF WALLS	GROUT VOIDS SOLID @ REI PROVIDE CONTINUOUS BOI REINFORCED WITH 1 - #5.
WALLS	8" CMU 10" CMU	NOT LIMITED	UP TO 16'	2 - W 1.7 WIRE @16" o.c. & WITHIN 16" OF TOP & BOTTOM OF WALL	#4 @ 48" o.c. AND WITHIN 16" OF ENDS OF WALLS	GROUT VOIDS SOLID @ REI PROVIDE CONTINUOUS BOI REINFORCED WITH 1 - #5.
*INDICATES MAXIMUM D	ISTANCE FI	ROM FLOO	R TO POI	NT OF SUPPORT ABC	VE FLOOR	
NOTES: 1. GROUT SHALL BE USED FOR FILLING VOIDS IN MASONRY AT REINFORCING LOCATIONS AND BOND BEAMS. SEE SPECI GROUT PROPORTIONS. LOW LIFT GROUTING PROCEDURES TO BE USED ONLY.						
2. PLACE BOND BE ADDITIONALLY, FLOOR / ROOF A	PLACE BOND BEAMS IN ALL MASONRY WALLS @ 8'-0" O.C. VERTICAL MAXIMUM. SEE SCHEDULE FOR BOND BEAM REIN ADDITIONALLY, PROVIDE BOND BEAMS CONNECTED TO EACH FLOOR AND ROOF, AS WELL AS, AT THE TOP OF ALL MA FLOOR / ROOF AND TOP OF WALL BOND BEAMS SHALL HAVE A MINIMUM OF TWO #5 REBAR UNLESS OTHERWISE INDI					
3. ALL REINFORCE	ALL REINFORCEMENT TO BE PROPERLY LAPPED (SEE GENERAL NOTES) UNLESS NOTED OTHERWISE ON PLANS AND					
4. PROVIDE HORIZ MORE, PAST OP	PROVIDE HORIZONTAL BARS AT TOP OR BOTTOM OF MASONRY WALL OPENINGS. EXTEND BARS 24" OR 42 BAR DIAME MORE, PAST OPENING. PROVIDE VERTICAL BARS AT EACH SIDE OF MASONRY WALL OPENING. BARS TO EXTEND THE					
5. PROVIDE ADDIT	PROVIDE ADDITIONAL VERTICAL BARS AT CORNERS, WITHIN 8" OF EACH SIDE OF MOVEMENT JOINTS, AND WITHIN 8"					
6. EXTERIOR WALL	EXTERIOR WALLS ARE ANY WALL WITH WIND EXPOSURE AT ANY POINT ALONG THE HEIGHT OF THE WALL.					

structural engineers NEW LONDON, CT CONCORD, MA 978 294 8806



SILVER / PETRUCELLI + ASSOCIATES $\frac{\text{Revision:}}{}$ Architects / Engineers / Interior Designers

Description: VALUE ENGINEERING SET

3190 Whitney Avenue, Hamden, CT 06518-2340 Tel. 203 230 9007 Fax. 203 230 8247 silverpetrucelli.com

<u>SYMBOLS</u>

SJ

XX'-XX" INDICATES TOP OF FLOOR ELEVATION.

✓ D1 → INDICATES SPAN DIRECTION OF 3/4" TONGUE + GROOVE ADVANTECH FLOOR DECKING. DECKING SHALL BE GLUED AND NAILED @ 6" o.c.

INDICATES SPAN DIRECTION OF 5/8" CDX PLYWOOD ROOF DECKING. 🖵 D2 📥 DECKING SHALL BE NAILED PER TYPICAL DETAILS. HDR INDICATES BUILT-UP WOOD HEADER PER HEADER SCHEDULE. INDICATES FOOTING TO BE STEPPED PER TYPICAL DETAILS. SF

> INDICATES CONCRETE SAWCUT CONTRACTION JOINT. SEE TYPICAL DETAILS.

_ _ _ BEAM INDICATED IS DROPPED RELATIVE TO THE FRAMING. REFER TO TYPICAL SECTIONS.

(MSW) INDICATES MASONRY SHEAR WALL PER TYPICAL

INDICATES TEMP. SHORE FOUNDATION WALL UN FRAMING & DECKING IS INSTALLED

INDICATES STEP DOWN IN DECK FLOOR ELEVAT

G FOR MASONRY WALLS

REMARKS

GROUT VOIDS SOLID @ REINFORCING. PROVIDE CONTINUOUS BOND BEAM REINFORCED WITH 1 - #5.

GROUT VOIDS SOLID @ REINFORCING. PROVIDE CONTINUOUS BOND BEAM

GROUT VOIDS SOLID @ REINFORCING.

PROVIDE CONTINUOUS BOND BEAM REINFORCED WITH 1 - #5.

GROUT VOIDS SOLID @ REINFORCING. PROVIDE CONTINUOUS BOND BEAM REINFORCED WITH 1 - #5.

ID BOND BEAMS. SEE SPECIFICATIONS FOR

DULE FOR BOND BEAM REINFORCING. AS, AT THE TOP OF ALL MASONRY WALLS. THE R UNLESS OTHERWISE INDICATED.

OTHERWISE ON PLANS AND SECTIONS. BARS 24" OR 42 BAR DIAMETERS, WHICHEVER IS NING. BARS TO EXTEND THE FULL FLOOR HEIGHT.

ENT JOINTS, AND WITHIN 8" OF ENDS OF WALLS. IT OF THE WALL.



 \searrow

FOUNDATION LEGEND

BOND BEAM LINTEL SCHEDULE						
OPENING SIZE	CMU LINTEL SIZE	DEPTH	REINFORCEMENT			
UP TO 4'-0"	8"	8"	(2) #5 BOTTOM UP TO 8" THICK	GROUT & R		
4' 1" TO 8'-0"	8"	16"	(2) #5 T&B UP TO 8" THICK	GROUT & R		
8'-1" UP TO 12'-0"	8"	24"	(2) #5 T&B UP TO 8" THICK	GROUT & R		

NOTES: 1. FOR OPENING WIDTHS GREATER THAN SHOWN, CONSULT STRUCTURAL ENGINEER.

2. SEE ARCH. DRAWINGS FOR FLASHING DETAILS @ WINDOW & DOOR OPENINGS. 3. ** INDICATES CONCRETE BEAM W/ f'c = 4000 PSI.

4. END BEARING APPLIES TO EXTERIOR WALL SUBJECT TO EXTERIOR WIND PRESSURES.

WOOD HEADER SCHEDULE				
SPAN CONDITION	HEADER SIZE	JACK STUDS		
UP TO 4'-0"	(2) 2X8	1	1	
4'-0" UP TO 6'-0"	(2) 2X12	1	1	
6'-0" UP TO 8'-0"	(2) 1 3/4"X9 1/4" LVL	2	1	

<u>NOTES:</u> 1. WOOD HEADER SCHEDULE IS FOR WHEN DOOR / WINDOW HEADER SIZES ARE NOT SHOWN ON THE PLANS.

2. USE PLYWOOD SHIMS BETWEEN HEADERS TO MATCH WALL WIDTH.

3. CONSULT STRUCTURAL ENGINEER IF HEADER SIZE IS NOT SHOWN ON PLANS AND THE SPAN IS LARGER THAN INDICATED HERE.

- WHEN POST HDR BEARIN JACK POSTS THE REQ'S O HEADERS

JACK STUDS

TYPICAL HEADER

Drawing Title:

Date: Revised By: ΤZ 9/27/24

IVE TO THE SURROUNDING	
ONS.	
ER TYPICAL DETAILS	
ON WALL UNTIL 1ST FLOOR	
OR ELEVATION.	
NDATION WALL DESIGNATION.	
L FOOTING DESIGNATION & TOM OF FOOTING ELEVATION	
OF FOUNDATION WALL ELEVATION	
· · · · · · · · · · · · · · · · · · ·	
UMN FOOTING DESIGNATION BOTTOM ELEVATION	
END BEARING	
GROUT (1) ADJACENT CELL MIN	
GROUT (1) ADJACENT CELL MIN	
& REINF W/ (2) #4 VERT	
& REINF W/ (4) #4 VERT	
HEN POST SIZES ARE SHOWN ON PLA	N @
ACK POSTS. KING POSTS INDICATED A ACK POSTS. KING POSTS SHALL FOLLC HE REQ'S OF THE HDR SCHEDULE.	IKE IW
(SEE SCHED.) OR HDR SIZE	
HEADERS ON PLAN	
HEADER (SEE PLAN)	
AL HEADER BEARING DETAIL	
Date: Drawing	2 Number:
Date: Drawing 09.29.2023	g Number:

S002









structural engineers NEW LONDON, CT CONCORD, MA 860 437 3259 978 294 8806



SILVER / PETRUCELLI + ASSOCIATES Architects / Engineers / Interior Designers

Description: VALUE ENGINEERING SET

3190 Whitney Avenue, Hamden, CT 06518-2340 Tel. 203 230 9007 Fax. 203 230 8247 silverpetrucelli.com

Drawing Title:

STRIP FOOTING SCHEDULE WF# WIDTH THICKNESS REINFORCEMENT WF2.0 2' - 0" 12" 2-#5 CONT. BTM. THICKENED SLAB SCHEDULE

N/A N/A

FOUNDATION WALL SCHEDULE W# WIDTH EXT SHELF WIDTH INT SHELF WIDTH REINFORCEMENT #5 @ 16" OC VERT. & HORIZ.

SLAB ON GRADE PRIOR TO FLOORING PLACEMENT. COORDINATE MOISTURE LEVEL WITH FLOORING

COORDINATE WITH ARCH. & MEP DRAWINGS FOR ALL SLAB PENETRATION SIZES AND LOCATIONS, HOUSEKEEPING PAD SIZES AND LOCATIONS, AND LOCATIONS OF UNDERSLAB

COORDINATE ALL WALL PENETRATIONS / SLEEVES, UNDERSLAB UTILITIES, AND MECHANICAL CHASES W/ APPLICABLE TRADES. COORDINATE LOCATION OF WALL FOOTING BREAKS / STEPS FOR ALL UTILITIES WITH SITE /

SEE GENERAL NOTE SHEET FOR ADDITIONAL INFORMATION. COORDINATE ALL DIMENSIONS, ELEVATIONS, DOOR & WINDOW LOCATIONS W/ ARCH. DRAWINGS AND / OR

BOTTOM OF FOOTING SHALL BE A MINIMUM OF 3'-6" BELOW FINISHED GRADE FOR FROST PROTECTION.

SEE THE FOUNDATION LEGEND. ON TYPICAL DETAIL SHEET. FOR INFORMATION TO UNDERSTAND THE INTENDED FOUNDATION SIZES, BOTTOM OF FOOTING ELEVATIONS, AND TOP OF WALL / SHELF / PIER ELEVATIONS.

XX.XX' INDICATES TOP OF CONCRETE SLAB ELEVATION. THE TYPICAL TOP OF CONCRETE SLAB ELEVATION SHALL BE XX.XX', UNLESS NOTED

WEIGHT CONCRETE, REINFORCED WITH 6x6-W2.1xW2.1 W.W.F., UNLESS NOTED OTHERWISE. SEE TYPICAL DETAILS AND SPECIFICATIONS FOR SLAB CONSTRUCTION, INCLUDING PROPERLY PREPARED SOILS. REFER TO ARCHITECTURAL DRAWINGS REGARDING ADDITIONAL BELOW SLAB MATERIALS SUCH AS VAPOR BARRIERS AND / RIGID INSULATION.









SILVER / PETRUCELLI + ASSOCIATES Architects / Engineers / Interior Designers

> 3190 Whitney Avenue, Hamden, CT 06518-2340 Tel. 203 230 9007 Fax. 203 230 8247 silverpetrucelli.com

structural engineers NEW LONDON, CT CONCORD, MA 860 437 3259 978 294 8806



Description: VALUE ENGINEERING SET Drawing Title:

POST TYPE









Montville Animal Shelter 255 Maple Ave. Montville, CT

structural engineers NEW LONDON, CT CONCORD, MA New London: 860 437 3259 978 294 8806

Concord:



3190 Whitney Avenue, Hamden, CT 06518-2340 Tel. 203 230 9007 Fax. 203 230 8247 silverpetrucelli.com

09.29.2023 1/2" = 1'-0" Drawn By: GKS Project Number: 23078

Drawing Number:

S200





 Drawing Number:
 \$300

HORIZONTAL JOINT REINFORCING SHALL NOT CROSS OVER CONTROL JOINT. VERTICAL REINFORCING BARS TO BE PLACED IN INDIVIDUAL CELLS AS SHOWN.

DRAWING SUBMITTAL. BOND BEAM HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL JOINT.

CONTROL JOINTS TO EXTEND THROUGH ENTIRE WALL THICKNESS & FOR FULL WALL HEIGHT. SUBMIT CONTROL JOINT LOCATIONS AS A SHOP

CONTROL JOINTS MAY BE BEST LOCATED AT THE ENDS OF LINTELS OVER DOOR OPENINGS AND EXTEND UP FOR THE REMAINDER OF THE WALL HEIGHT.

AT ONE SIDE OF WALL OPENINGS LESS THAN 6' - 0". AT BOTH SIDES OF OPENINGS OVER 6' - 0" WIDE.

AT RETURN ANGLES OF "L", "I", "U" SHAPED CONSTRUCTION. AT CHASES & RECESSES FOR PIPING OR FIXTURES.

THICKNESS, AT JUNCTIONS OF WALLS WITH COLUMNS & PIERS, AND INTERSECTING WALLS.

COORDINATE WITH ARCHITECTURAL. DRAWINGS. AT JUNCTIONS OF BEARING & NON-BEARING WALLS, CHANGES IN HEIGHT OR

PROVIDE VERTICAL CONTROL JOINTS IN THE CONCRTE MASORY UNIT PORTION OF ALL WALLS AND PARTITIONS AS FOLLOWS: WHEN WALL LENGTH EXCEEDS 20 FEET.





BLOCKING BETWEEN RAFTERS AT WALL FRAMING		
4'-0" PERIMETER EDGE AREA		
PROVIDE BLOCKING AT SHEATHING EDGE IN PERIMETER EDGE AREA		CMU WALL, ROOF FRAMING & DECKING PER PLAN
8d NAILS AT 12" O.C. PANEL FIELD TYPICAL		
8d NAILS AT 6" O.C. EDGE NAILING TYPICAL		WOOD BEAM & ROOF DECKING PER PLAN TOE-NAIL WOOD BM. TO SILL PL. W/ 2-10d NAILS @ 12" OC
		ANCHOR 2x8 P.T. SILL PL. TO CMU GROUTED CELLS W/ 5/8" Ø F1554 GR. 36 CAST-IN-PLACE ANCHOR BOLT @ 32" OC, 9" EMBED.
	2 T.O. EXT. CMU DETAIL S301 1/2" = 1'-0"	



SILVER / PETRUCELLI + ASSOCIATES $\frac{\text{Revision:}}{}$ Architects / Engineers / Interior Designers

> 3190 Whitney Avenue, Hamden, CT 06518-2340 Tel. 203 230 9007 Fax. 203 230 8247 silverpetrucelli.com

Description: VALUE ENGINEERING SET



Drawing Title: STRUCTURAL DETAILS





