

ANALYSIS OF ALTERNATIVES FOR RECREATION SHED

February 20, 2023

REQUIRED REPOSTING WORK	Straight Reposting Without a Rear Deck	Relocation with Base Roof	Relocation with Extended Roof
	Estimate	Bid Price	Bid Price
MOBILIZATION, BONDS, INSURANCE	\$33,500.00	\$33,500.00	\$33,500.00
RELOCATION/ REPOSTING	\$120,000.00	\$145,000.00	\$145,000.00
DECKS, STAIRS, RAILING	\$160,000.00	\$182,600.00	\$182,600.00
ACCESSIBLE LIFT	\$34,000.00	\$34,000.00	\$34,000.00
ELECTRIC/PLUMBING RECONNECTION	\$20,000.00	\$20,000.00	\$20,000.00
REPOSTING SUBTOTAL	\$367,500.00	\$415,100.00	\$415,100.00

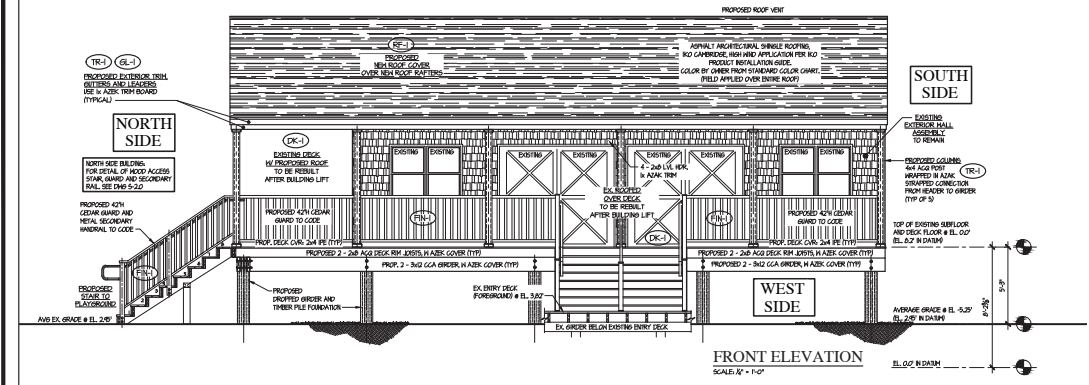
ROOF WORK/EXTENSION			
ROOF WORK/EXTENSION	\$0.00	\$177,800.00	\$230,000.00
REPOSTING/ROOFING TOTALS	\$367,500.00	\$592,900.00	\$645,100.00

EXTERIOR/INTERIOR UPGRADES	\$142,500.00	\$142,500.00	\$142,500.00
TOTAL PROJECT COST WITH ALL BUILDING IMPROVEMENTS	\$510,000.00	\$735,400.00	\$787,600.00

PROJECT DIFFERENTIAL	\$0.00	\$225,400.00	\$277,600.00
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SOURCES OF FUNDING			
Grants	\$250,000.00	\$250,000.00	\$250,000.00
BONDING OR RESERVES	\$260,000.00	\$485,400.00	\$537,600.00

Annual Debt Service (at \$70k/Million)	\$18,200.00	\$33,978.00	\$37,632.00
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FRONT ELEVATION
SCALE 1/2" = 1'-0"

FOR SLT 1 1/2" x 2 1/2" NA.
HOOD SYSTEM OF THICKNESSES LESS THAN 0.5" SHALL BE PLACED OVER WEATHER THAT CONFORMS TO SECTION 204.6.
EXCLUSIVE OF TEXTURE.
AS SHOWN AT THE BOTTOM OF DECORATIVE BARRIER, OR LEAD-CONTAINED COPPER, 12 OUNCES PER SQUARE FOOT FOR GGG-POLLED COPPER AND LEAD-CONTAINED COPPER, 12 OUNCES PER SQUARE FOOT FOR COPPER SHIMLES, HIGH-TIELD COPPER AND LEAD-CONTAINED HIGH-TIELD COPPER.

WALLS & JOINTS
FLASHING SHALL BE INSTALLED IN SUCH A MANNER SO AS TO PREVENT MOISTURE FROM ENTERING THE WALL OR TO REPERMIT IT TO THE EXTERIOR. FLASHING SHALL BE INSTALLED AT THE INTERSECTIONS OF EXTERIOR DOOR AND WINDOW ASSEMBLIES, PENETRATIONS AND TERMINATIONS OF EXTERIOR WALL ASSEMBLIES. EXTERIOR WALL INTERSECTIONS WITH CORNERS, PORCHES, DECKS, BALCONIES AND WALKWAYS SHALL BE DETAIL AS SHOWN AND AT BUILD IN DETAIL AS SHOWN. THESE ANCHORED VENEERS HERE MOISTURE COULD ENTER THE WALL. FLASHING WITH PROTECTIVE FINISHES SHALL BE INSTALLED ON BOTH SIDES AND THE ENDS OF CORNERS, UNDER SELLS AND CONTINUALLY ABOVE PROTECTIVE TRIM.

MOHS 4 EXTERIOR WALL POCKETS
IN EXTERIOR WALLS OF BALCONIES OR STRUCTURES, WALL POCKETS OR CREVICES IN HIGH MOISTURE AREAS ACCUMULATE SHALL BE AVOIDED OR PROTECTED WITH CAPS OR DRAIPS, OR OTHER APPROVED MEANS SHALL BE PROVIDED TO PREVENT WATER DAMAGE.

MOSAIC MASONRY
FLASHING AND WEATHERS SHALL BE LOCATED IN THE FIRST COURSE OF MASONRY ABOVE FINISHED GROUND LEVEL ABOVE THE FOUNDATION WALL OR SILL AND OTHER POINTS OF SERVICE, INCLUDING STRUCTURAL FLOORS, WALKWAYS, ANGLES AND LINELS WHERE ANCHORED VENEERS ARE DESIGNED IN ACCORDANCE WITH SECTION 1405.5.

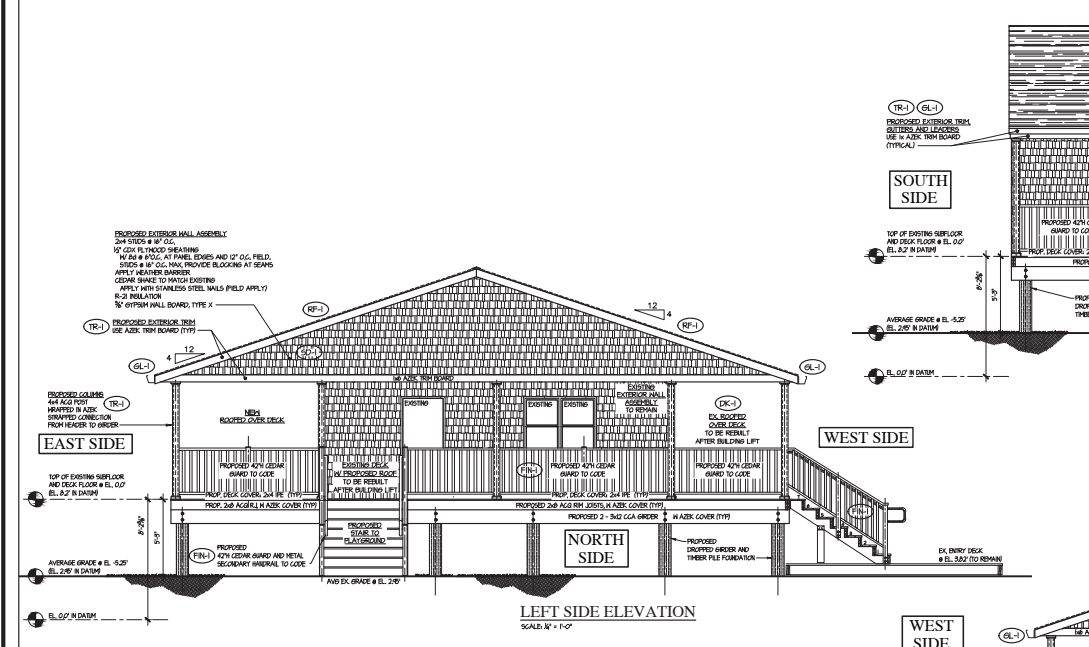
MOHS 4 VENEERS
MOHS 4 VENEERS ON EXTERIOR WALLS OF BUILDINGS OF TYPE I, II AND IV CONSTRUCTION SHALL BE NOT LESS THAN 1 1/4" MINIMUM THICKNESS. MOHS 4 VENEER EXTERIOR HARDWARE SPRING OR COTTER PINS WITH EXTERIOR TYPE HOOD STRUCTURAL PANELS OR FACEWORKING AND SHALL CONFORM TO THE FOLLOWING:
THE VENEER SHALL NOT EXCEED FOUR SQUARE FEET IN AREA, MEASURED FROM THE GRADE PLANE. WHERE PRE-FORMATTED VENEER IS USED, THE HEIGHT SHALL NOT EXCEED FOUR SQUARE FEET.
THE VENEER IS ATTACHED TO OR HUNG FROM A NONCORROSIble BACKING THAT IS FIRE-RESISTANT RATED AS REQUIRED BY OTHER PROVISIONS OF THIS CODE.
WHERE OPEN OR SPACED HOOD VENEERS SHOWN CONCEALED SPACERS ARE USED, THEY SHALL NOT PROJECT MORE THAN 1/8" BEHIND THE BUILDING WALL.

MOHS 4 ANCHORED MASONRY VENEER
ANCHORED MASONRY VENEER SHALL COMPLY WITH THE PROVISIONS OF SECTIONS 1405.5, 1405.6, 1405.7 AND 1405.8 AND SECTION 61 AND 62 OF ACI 308.1 / ACI 308.2.

MOHS 4 WEATHERING
ANCHORED MASONRY VENEERS IN ACCORDANCE WITH CHAPTER 14 ARE NOT REQUIRED TO MEET THE TOLERANCES IN ARTICLE 318 OF ACI 308.1 / ACI 308.2.

MOHS 4 BRICKS REQUIREMENTS
ANCHORED MASONRY VENEER LOCATED IN DESIGN DESIGN CATEGORY C, D OR F SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1405.5 OF ACI 308.1 / ACI 308.2. THE ANCHORED MASONRY VENEER LOCATED IN DESIGN DESIGN CATEGORY D SHALL CONFORM TO THE REQUIREMENTS FOR DESIGN DESIGN CATEGORY E OF IT.

MOHS 4 STONE VENEER
STONE VENEER WITH NOT EXCEEDING 12 INCHES (304.8 MM) IN THICKNESS SHALL BE ANCHORED DIRECTLY TO MASONRY CONCRETE OR TO STEEL CONSTRUCTION BY ONE OF THE FOLLOWING METHODS:
1. WITH CONCRETE OR MASONRY BACKING. ANCHOR TIES SHALL BE NOT LESS THAN 0.0200 INCH (0.51 MM) CONCRETE-RESISTANT WIRE OR APPROVED EQUAL. BEHIND THE FACE OF THE BACKING, THE LEGS OF THE LOOPS SHALL BE NOT LESS THAN 4 TIMES (102 MM) IN LENGTH. BEND AT RIGHT ANGLES AND BE AT THE VERTICAL JOINT AND SPACED TO 24 INCHES (609.6 MM) HORIZONTALLY AND 12 INCHES (304.8 MM) MAXIMUM ON CENTER (O.C.). IN BOTH DIRECTIONS, THERE SHALL BE PROVIDED NOT LESS THAN A 100% INCH (254 MM) CONCRETE-RESISTANT WIRE OR APPROVED EQUAL THROUGH THE REINFORCED LOOPS FOR EVERY 2 SQUARE FEET (0.21 H2) OF STONE VENEER. THIS SHALL BE A LOOP HAVING LEGS NOT LESS THAN 6 INCHES (152.4 MM) IN LENGTH. ONE END OF THE LOOP SHALL BE IN THE STONE VENEER JOINT. THE LAST 2 INCHES (51 MM) OF EACH WIRE LEG SHALL HAVE A RIGHT-ANGLE BEND, ONE INCH (25.4 MM) MINIMUM PROGRESS OF CONCRETE GREAT SHALL BE PLACED BETWEEN THE BACKING AND THE STONE VENEER.
WITH STEEL BACKING, A 2-INCH BY 2-INCH BY 1/8-INCH (51 MM CONCRETE-RESISTANT WIRE SHALL BE USED WITH TWO LAYERS OF WATER-RESISTIVE BARRIER IN ACCORDANCE WITH SECTION 1405.5 SHALL BE APPLIED DIRECTLY TO HOOD SIDE SPACE. A MAXIMUM OF 8 INCHES (203.2 MM) O.C. ON STUDS, THE WIRE SHALL BE ATTACHED WITH HIGH-LOW IN 50% CONCRETE-RESISTANT STEEL WIRE. BARS SHALL BE 4 INCHES (101.6 MM) O.C. PROVIDING A MINIMUM LOOP EACH END AND BOTTOM PLATE OR WITH EQUALS. WIRE TIES SHALL BE NOT LESS THAN A 0.0200 INCH (0.51 MM) CONCRETE-RESISTANT WIRE OR APPROVED EQUAL. LOOPS THROUGH THE WIRE FOR EVERY 2 SQUARE FEET (0.21 H2) OF STONE VENEER, THIS SHALL BE A LOOP HAVING LEGS NOT LESS THAN 6 INCHES (152.4 MM) IN LENGTH TO BEND THAT IT HANGS IN THE STONE VENEER JOINT. THE LAST 2 INCHES (51 MM) OF EACH WIRE LEG SHALL HAVE A RIGHT-ANGLE BEND, ONE INCH (25.4 MM) MINIMUM PROGRESS OF CONCRETE GREAT SHALL BE PLACED BETWEEN THE BACKING AND THE STONE VENEER.



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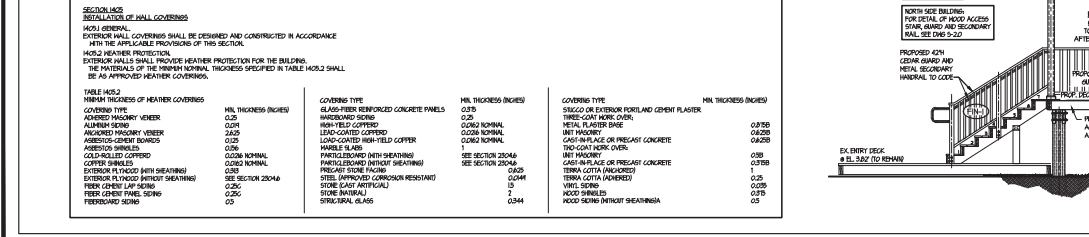
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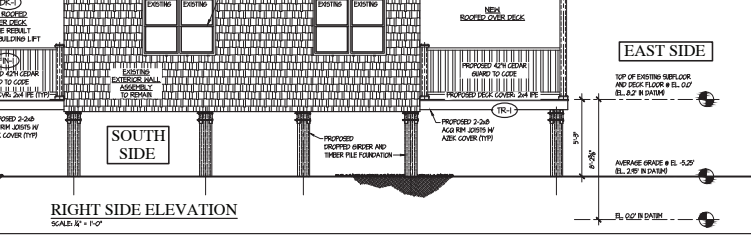
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LEFT SIDE ELEVATION
SCALE 1/2" = 1'-0"



RIGHT SIDE ELEVATION
SCALE 1/2" = 1'-0"

SECTION 1405.5 MINIMUM PROGRESS OF WEATHER COVERINGS

COVERING TYPE	MIN. THICKNESS (INCHES)	COVERING TYPE	MIN. THICKNESS (INCHES)	COVERING TYPE	MIN. THICKNESS (INCHES)
ANCHORED MASONRY VENEER	0.25	GLASS REINFORCED CONCRETE PANELS	0.375	SIENGLER EXTERIOR PORTLAND CEMENT FLASHER	0.038
ANCHORED MASONRY VENEER	0.25	WATERPROOFING	0.038	TRIPLE-COAT RUBER OVER	0.038
ANCHORED MASONRY VENEER	0.25	LEAD-CONTAINED COPPER	0.020	METAL FLASHER BITE	0.038
ANCHORED MASONRY VENEER	0.25	LEAD-CONTAINED HIGH-TIELD COPPER	0.020	LEAD-CONTAINED COPPER	0.020
ANCHORED MASONRY VENEER	0.25	MOSAIC MASONRY	0.038	LEAD-CONTAINED HIGH-TIELD COPPER	0.020
ANCHORED MASONRY VENEER	0.25	NON-MOSAIC MASONRY	0.038	LEAD-CONTAINED COPPER	0.020
ANCHORED MASONRY VENEER	0.25	STAIR WEATHERING (WITH WEATHERING)	0.038	LEAD-CONTAINED COPPER	0.020
ANCHORED MASONRY VENEER	0.25	STAIR WEATHERING (WITHOUT WEATHERING)	0.038	LEAD-CONTAINED COPPER	0.020
ANCHORED MASONRY VENEER	0.25	STAIR WEATHERING (WITH WEATHERING)	0.038	LEAD-CONTAINED COPPER	0.020
ANCHORED MASONRY VENEER	0.25	STAIR WEATHERING (WITHOUT WEATHERING)	0.038	LEAD-CONTAINED COPPER	0.020
ANCHORED MASONRY VENEER	0.25	STAIR WEATHERING (WITH WEATHERING)	0.038	LEAD-CONTAINED COPPER	0.020
ANCHORED MASONRY VENEER	0.25	STAIR WEATHERING (WITHOUT WEATHERING)	0.038	LEAD-CONTAINED COPPER	0.020
ANCHORED MASONRY VENEER	0.25	STAIR WEATHERING (WITH WEATHERING)	0.038	LEAD-CONTAINED COPPER	0.020
ANCHORED MASONRY VENEER	0.25	STAIR WEATHERING (WITHOUT WEATHERING)	0.038	LEAD-CONTAINED COPPER	0.020

THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF THE ARCHITECT AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. REDUCE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM THE ARCHITECT. TITLE TO THESE PLANS SHALL REMAIN WITH THE ARCHITECT UNLESS CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

JEFFREY T. BUTLER, P.E., P.C.
P.O. BOX 634
SUSSEX, NJ 08081
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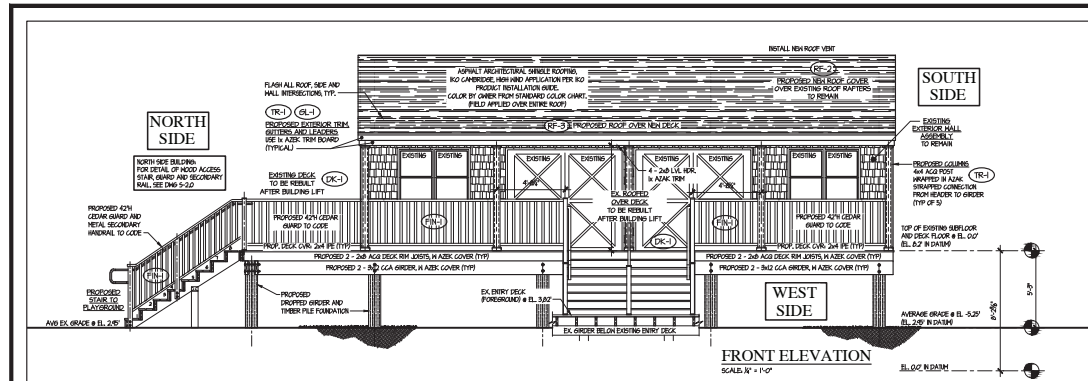
ENGINEER:

EXTERIOR ELEVATIONS FOR:
SALTIRE RECREATION BUILDING
100 WESTERN BLK
SALTIRE, NJ
COUNTY OF SUFFOLK
VILLAGE OF SALTIRE

DATE: AUGUST 16, 2018
DRAWN BY: RAC
APPROVED BY: JTB
JOB NO. 180208

PAGE
A-1.0
6 OF 7

ALTERNATE BID



FOR SLT 1" HIGH x 2" x 4" H.H. HOOD SCAVENGERS OF THICKNESSES LESS THAN 0.5" HIGH SHALL BE PLACED OVER SHEATHING THAT CONFORMS TO SECTION 2504.6. EXCLUSIVE OF TYPING.

AS WEATHERED AT THE BOTTOM OF RESISTANT COVERING AND LEAD-COATED COPPER, 12 OUNCES PER SQUARE FOOT FOR GALVA-ROLLED COPPER AND LEAD-COATED COPPER, 12 OUNCES PER SQUARE FOOT FOR COPPER SHIMULES, HIGH-YIELD COPPER AND LEAD-COATED HIGH-YIELD COPPER.

HALLS & CORRIDORS:
 CEILING SHALL BE INSTALLED IN SUCH A MANNER SO AS TO PREVENT HUMIDITY FROM ENTERING THE HALL OR TO RESTRICT IT TO THE EXTERIOR. FINISHING SHALL BE INSTALLED AT THE PERIMETERS OF EXTERIOR DOOR AND WINDOW ASSEMBLIES, PENETRATIONS AND TERMINATIONS OF EXTERIOR HALL ASSEMBLIES. EXTERIOR WALL INTERSECTIONS WITH CORNERS, PORTALS, DECKS, BALCONIES AND WINDOWS AND OTHER PENETRATIONS AND AT FIELD IN ENTIRE AND SIMILAR LOCATIONS WHERE HUMIDITY WOULD ENTER THE HALL, FINISHING WITH PROTECTIVE FINISHES SHALL BE INSTALLED ON BOTH SIDES AND THE ENDS OF CORNERS, UNDER SILLIS AND CONTINUOUSLY ABOVE PROJECTING TRIM.

EXTERIOR HALL POCKETS:
 IN EXTERIOR WALLS OF BALCONIES OR STRUCTURES, HALL POCKETS OR OVERHANGS IN HIGH HUMIDITY CAN ACCUMULATE SHALL BE AVOIDED OR PROTECTED WITH CAPS OR DROPS, OR OTHER APPROVED MEANS SHALL BE PROVIDED TO PREVENT WATER DAMAGE.

WALLS & MASONRY:
 FINISHING AND WEATHERS SHALL BE LOCATED IN THE PROTECTIVE COVERING ABOVE FINISHED GROUND LEVEL ABOVE THE FOUNDATION WALL OR SILL, AND OTHER POINTS OF SUPPORT, INCLUDING STRUCTURAL JOISTS, TRIM, ANGLES AND LINELS WHERE ANCHORED VENEERS ARE DESIGNED IN ACCORDANCE WITH SECTION 1402.5.

WALLS & MASONRY:
 HOOD VENEERS ON EXTERIOR WALLS OF BUILDINGS OF TYPE I, II, III AND IV CONSTRUCTION SHALL NOT BE LESS THAN 3/4" THICK NORMAL THICKNESS CLASS B OR CLASS III HOOD VENEERS. HOOD VENEERS SHALL BE ATTACHED TO THE EXTERIOR WALL OR SILL, AND OTHER POINTS OF SUPPORT, INCLUDING STRUCTURAL JOISTS, TRIM, ANGLES AND LINELS WHERE ANCHORED VENEERS ARE DESIGNED IN ACCORDANCE WITH SECTION 1402.5.

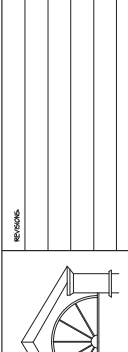
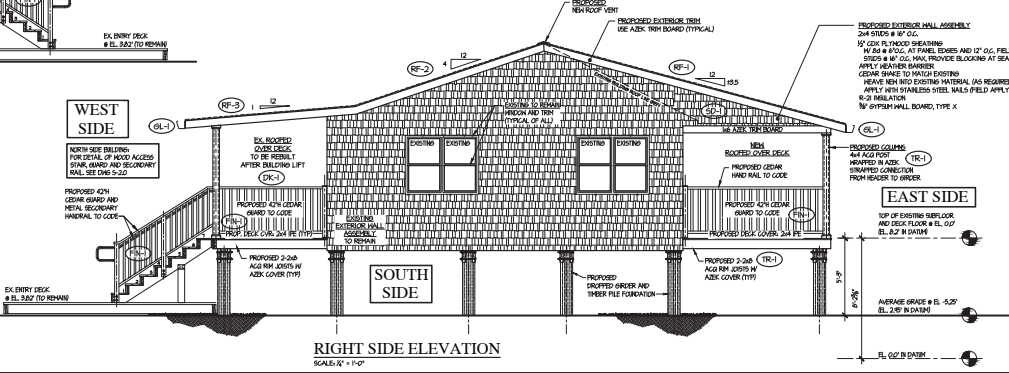
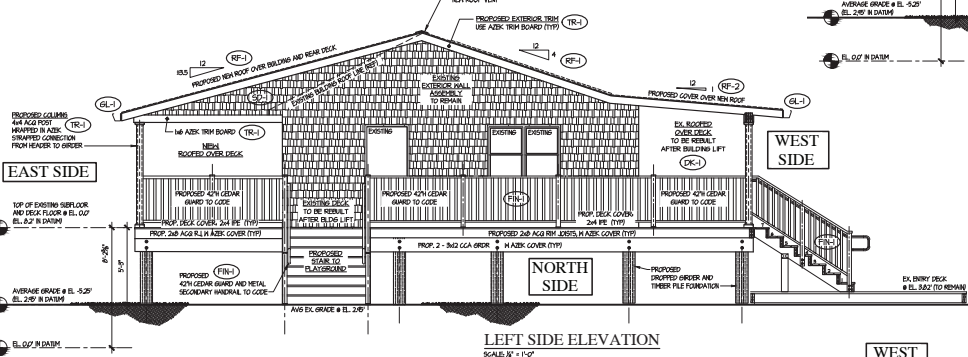
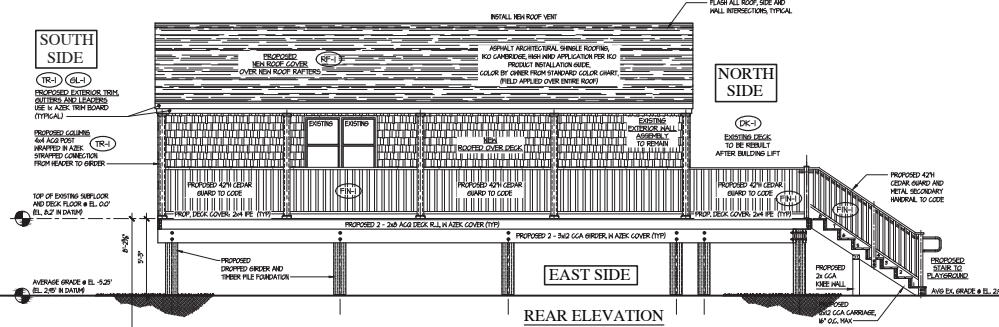
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SECTION 1402.5 WEATHER PROTECTION:
 WEATHER PROTECTION SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THIS SECTION.

SECTION 1402.6 WEATHER PROTECTION:
 WEATHER PROTECTION SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THIS SECTION.

WEATHER TYPE	MINIMUM THICKNESS (INCHES)	COVERING TYPE	MINIMUM THICKNESS (INCHES)
PRECAST CONCRETE	0.600	PRECAST CONCRETE	0.600
ALUMINUM SIDING	0.018	ASBESTOS-CEMENT BOARD	0.125
EXTERIOR MASONRY	3.500	CONCRETE BLOCK	0.125
ASBESTOS-CEMENT BOARDS	0.125	CONCRETE BLOCK	0.125
ASBESTOS SHIMULES	0.125	CONCRETE BLOCK	0.125
COLD-ROLLED COPPER	0.030	CONCRETE BLOCK	0.125
COPPER SHIMULES	0.030	CONCRETE BLOCK	0.125
EXTERIOR PLASTER (4TH SHEATHING)	0.500	CONCRETE BLOCK	0.125
EXTERIOR PLASTER (5TH SHEATHING)	0.500	CONCRETE BLOCK	0.125
FIBER CEMENT PANEL SIDING	0.125	CONCRETE BLOCK	0.125
FIBERGLASS SIDING	0.125	CONCRETE BLOCK	0.125
GLASS-FIBER REINFORCED CONCRETE PANELS	0.125	CONCRETE BLOCK	0.125
HARDBOARD SIDING	0.125	CONCRETE BLOCK	0.125
HEAVY-TYPED COPPER	0.030	CONCRETE BLOCK	0.125
LEAD-COATED COPPER	0.030	CONCRETE BLOCK	0.125
LEAD-COATED HIGH-YIELD COPPER	0.030	CONCRETE BLOCK	0.125
WARRANTY SIDING	0.125	CONCRETE BLOCK	0.125
WARRANTY SIDING (4TH SHEATHING)	0.125	CONCRETE BLOCK	0.125
WARRANTY SIDING (5TH SHEATHING)	0.125	CONCRETE BLOCK	0.125



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 P.O. BOX 634
 SUSQUEHANNA, PA 15781
 TEL: 610.208.8850 FAX: 610.271.8038

EXTERIOR ELEVATIONS FOR:
 SALTIRE RECREATION BUILDING
 1045 WESTMOUNTAIN BLVD.
 SALTIRE, NY

SCALE AS NOTED
 DATE: AUGUST 16, 2018
 DRAWN BY: RAC APPROVED BY: JTB
 COUNTY OF SUFFOLK VILLAGE OF SALTIRE
 JOB NO. 1802069

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