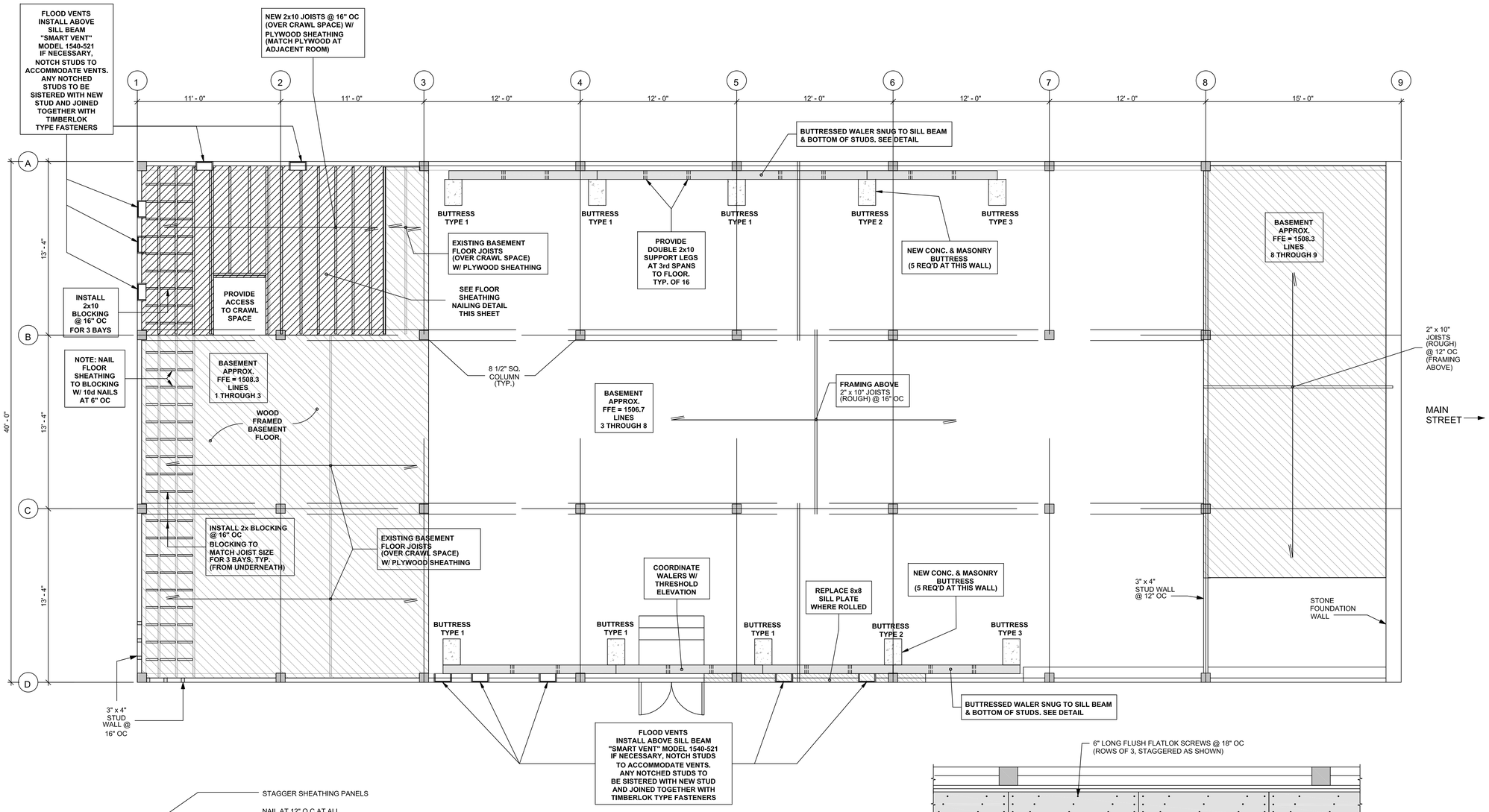
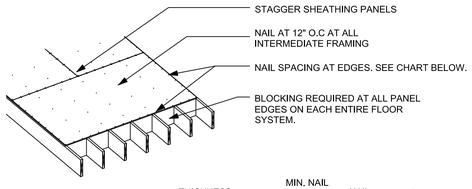


BASEMENT PLAN

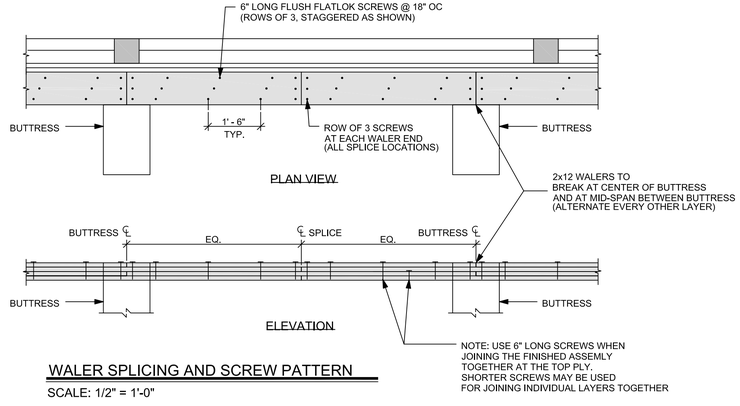
SCALE: 1/4" = 1'-0"



LOCATION	THICKNESS AND GRADE	MIN. NAIL PENETRATION INTO FRAMING	NAIL SIZE	EDGE SPACING
FLOOR	MATCH ADJACENT EXISTING FLOOR SHEATHING	1 5/8"	10d	6" O.C.

NAILING FOR FLOOR SHEATHING

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



WALER SPLICING AND SCREW PATTERN

SCALE: 1/2" = 1'-0"

HODGMAN ENGINEERING & PERMITTING, PLLC
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802-579-5644

STATE OF VERMONT
HAMILTON R. HODGMAN
No. 107113
CIVIL
PROFESSIONAL ENGINEER

PROJECT:
MEMORIAL HALL FLOODPROOFING

WILMINGTON, VT

PREPARED FOR:
TOWN OF WILMINGTON

WILMINGTON
VERMONT

PURPOSE OF DRAWING:
BID DOCUMENTS NOT FOR CONSTRUCTION
4/20/25

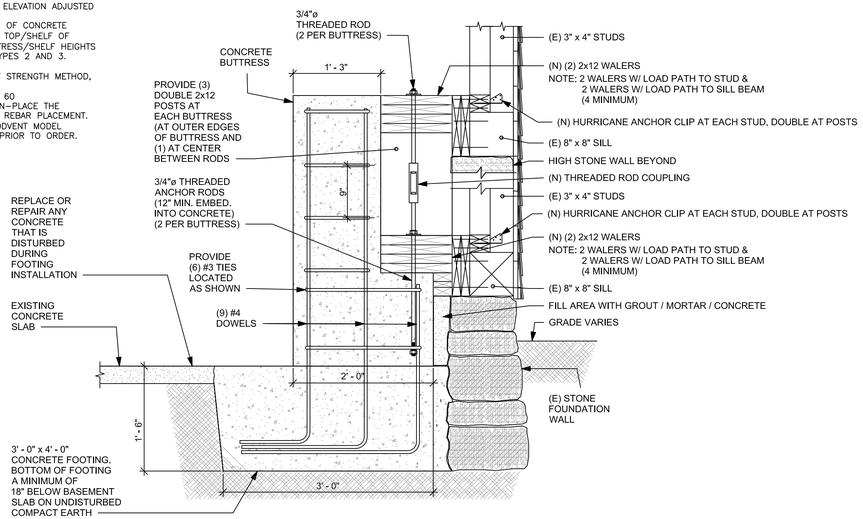
DATE: REVISION:

WET FLOODPROOFING PLAN

DES/DWN/CHK	HRH
SCALE	AS SHOWN
DATE	4/20/25
PROJECT NUM:	25-01
DWG. NO.	S-1

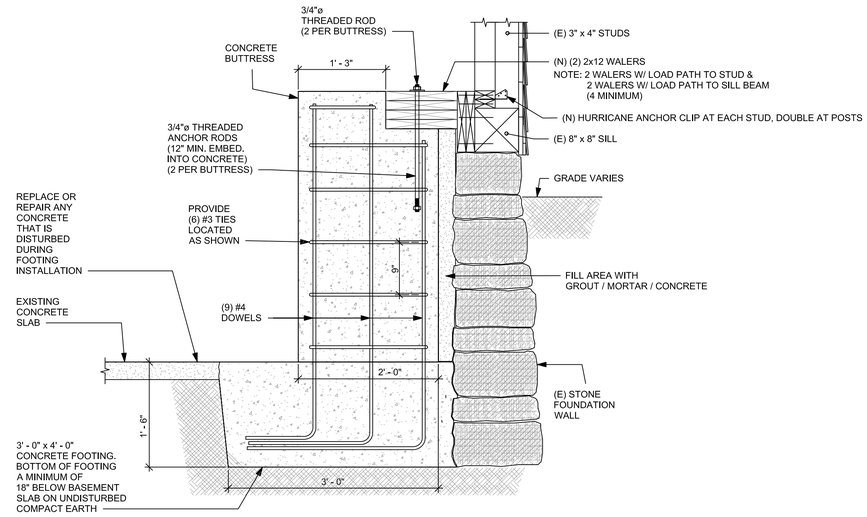
NOTES

1. THE PRELIMINARY DESIGN (BY OTHERS) USED FOR THE FEMA GRANT APPLICATION HAS BEEN REVIEWED BY HODGMAN ENGINEERING INCLUDING AN ENGINEERING REVIEW OF DESIGN CALCULATIONS. WE ISSUE THESE PLANS FOR BIDDING/CONSTRUCTION UNDER OUR BUSINESS LOGO. THE ORIGINAL PRESENTATION OF THE PRIOR DESIGN IS KEPT FOR CONTINUITY PURPOSES WITH FUNDING SOURCE. THE NUMBER AND SIZE OF FLOOD VENTS HAS INCREASED FROM THE PRELIMINARY DESIGN AND FLOOR ELEVATION ADJUSTED TO MEET 2025 ELEVATION CERTIFICATE SURVEY DATA.
2. REINFORCED MASONRY BUTTRESS CAN BE USED IN LIEU OF CONCRETE BUTTRESS FOR ALL DETAIL TYPES. EXTEND VERTS AND TOP/SHELF OF BUTTRESS OF CMU TYPE-1 DETAIL TO MATCH THE BUTTRESS/SHELF HEIGHTS NEEDED TO BUILD CONCRETE DETAILS FOR BUTTRESS TYPES 2 AND 3.
3. CONCRETE SHALL BE 4000 PSI WITH AIR ENTRAINMENT.
4. BLOCK MASONRY SHALL HAVE A F'M=1500 PSI BY UNIT STRENGTH METHOD, MORTAR TYPE "S"
5. REINFORCING STEEL SHALL BE DEFORMED BARS, GRADE 60
6. EXCAVATE FOUNDATIONS TO FIRM SUB-SOIL. COMPACT IN-PLACE THE BOTTOM OF FOOTING SOILS FOR BUTTRESSES PRIOR TO REBAR PLACEMENT.
7. INSTALL TEN (10) SMARTVENT INSULATED STACKED FLOODVENT MODEL 1540-521. PROVIDE SUBMITTAL FOR VENT AND COLOR PRIOR TO ORDER.



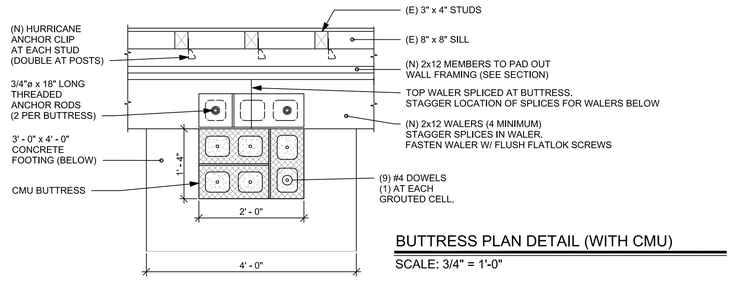
BUTTRESS AT FOUNDATION WALL TYPE 2 (CONCRETE)

SCALE: 1" = 1'-0"



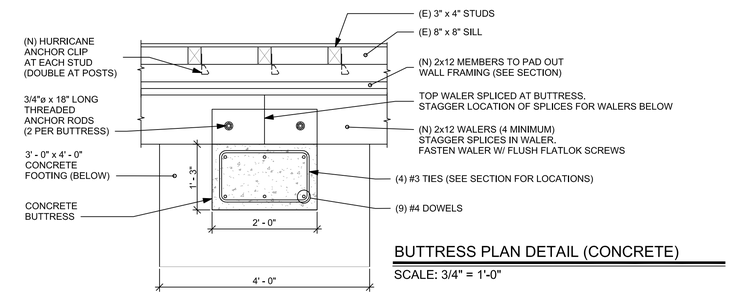
BUTTRESS AT FOUNDATION WALL TYPE 3 (CONCRETE)

SCALE: 1" = 1'-0"



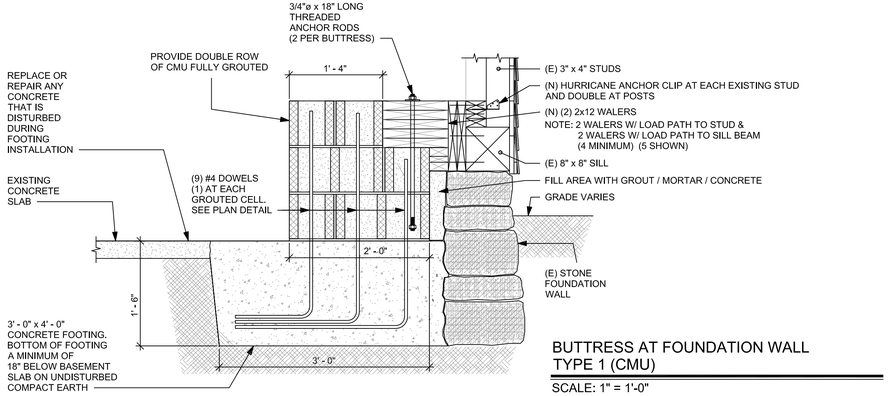
BUTTRESS PLAN DETAIL (WITH CMU)

SCALE: 3/4" = 1'-0"



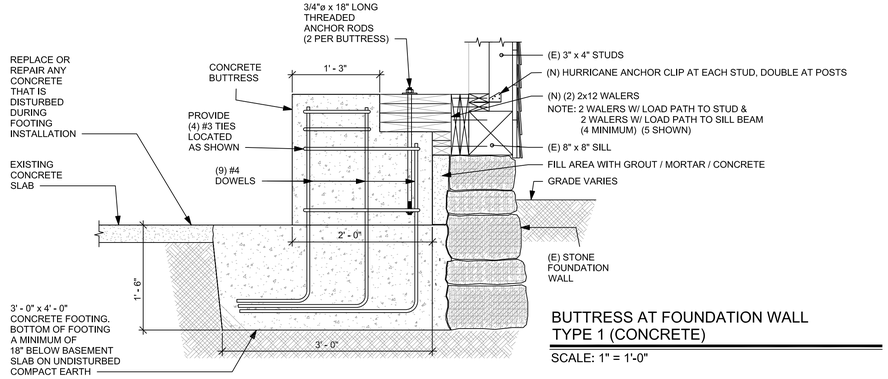
BUTTRESS PLAN DETAIL (CONCRETE)

SCALE: 3/4" = 1'-0"



BUTTRESS AT FOUNDATION WALL TYPE 1 (CMU)

SCALE: 1" = 1'-0"



BUTTRESS AT FOUNDATION WALL TYPE 1 (CONCRETE)

SCALE: 1" = 1'-0"

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NOTES & DETAILS

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DWG. NO.
S-2

SHEET 2 OF 2