

GENERAL NOTES

1. GENERAL NOTES:

- ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- ALL DETAILS DEPICTED ON THESE PLANS RELATIVE TO THE EXISTING STRUCTURE ARE BASED UPON ORIGINAL STRUCTURAL PLANS PREPARED BY D.E. BRIT AND ASSOCIATES, INC. ENTITLED "BERMUDA HIGH WEST", DATED 08-15-78. THE CONTRACTOR SHALL REFER TO THOSE DRAWINGS TO VERIFY THAT THE EXISTING BUILDING/STRUCTURE WAS CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THOSE PLANS PRIOR TO STARTING ANY WORK. REPORT ANY DISCREPANCIES FOUND TO THE ARCHITECT PRIOR TO PROCEEDING.

2. DESIGN LOADS:

- THE PRESSURES FOR THE WINDOW SYSTEMS DEPICTED ON THESE PLANS AND THE RETROFIT DETAILS SHOWN HEREIN ARE BASED UPON FLORIDA BUILDING CODE 2014 (5TH EDITION).
WIND PER ASCE 7-10:
MEAN ROOF HEIGHTS: 44'-0" FOR 4 STORY AND 64'-0" FOR 6 STORY
3 SECOND GUST WIND SPEED = 170 MPH (ULT); 132 MPH (ASD)
EXPOSURE C, ENCLOSED BUILDING
RISK CATEGORY = II

3. CONCRETE:

- SHALL BE PER AN APPROVED MIX DESIGN PROPORTIONED TO ACHIEVE A 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS WITH A PLASTIC AND WORKABLE MIX.
- FLY ASH MAY BE USED IN CONCRETE MIX DESIGN, ALTHOUGH IT SHALL BE LIMITED TO 15% MAXIMUM REPLACEMENT OF CEMENT (BY WEIGHT).
- PROPOSED MIX DESIGNS SHALL BE BASED UPON RECENT FIELD CYLINDER OR LAB TESTS. MIX SHALL BE UNIQUELY IDENTIFIED BY MIX NUMBER OR OTHER POSITIVE IDENTIFICATION. MIX SHALL MEET THE REQUIREMENTS OF ASTM C33 FOR COARSE AGGREGATE. CONCRETE SHALL COMPLY WITH ALL THE REQUIREMENTS OF ASTM STANDARD C94 FOR MEASURING, MIXING, TRANSPORTING, ETC. CONCRETE TICKETS SHALL BE TIME STAMPED WHEN CONCRETE IS BATCHED. THE MAXIMUM TIME ALLOWED FROM THE TIME THE MIXING WATER IS INITIALLY ADDED UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED ONE AND ONE HALF (1-1/2) HOURS. IF FOR ANY REASON THERE IS A LONGER DELAY THAN THAT STATED ABOVE, THE CONCRETE SHALL NOT BE PLACED. IT SHALL BE THE RESPONSIBILITY OF THE TESTING LAB TO NOTIFY THE OWNER'S REPRESENTATIVE AND THE CONTRACTOR OF ANY NONCOMPLIANCE WITH THE ABOVE.
- ALL CONCRETE DESIGN MIX SUBMITTALS SHALL INCLUDE TESTED, STATISTICAL BACK-UP DATA.
- CONCRETE SHALL BE PLACED AND CURED ACCORDING TO ACI STANDARDS AND SPECIFICATIONS.

4. CONCRETE TESTING:

- AN INDEPENDENT TESTING LABORATORY SHALL PERFORM THE FOLLOWING TESTS ON CAST IN PLACE CONCRETE:
 - ASTM C143 - "STANDARD TEST METHOD FOR SLUMP OF PORTLAND CEMENT CONCRETE." MAXIMUM SLUMP SHALL BE 6 INCHES.
 - ASTM C39 - "STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS." A SEPARATE TEST SHALL BE CONDUCTED FOR EACH CLASS, FOR EVERY 50 CUBIC YARDS (OR FRACTION THEREOF), PLACED PER DAY. REQUIRED CYLINDER(S) QUANTITIES AND TEST AGE AS FOLLOWS:

1	AT 7 DAYS	1	AT 3 DAYS
2	AT 28 DAYS		
- ADDITIONAL RESERVE CYLINDER TO BE TESTED UNDER THE DIRECTION OF THE ENGINEER, IF REQUIRED. IF 28 DAY STRENGTH IS ACHIEVED, THE ADDITIONAL CYLINDER(S) MAY BE DISCARDED. ALL CONCRETE OVER 90 MINUTES OLD (FROM BATCH TO PLACEMENT) SHALL BE DISCARDED.

5. FORMWORK AND SHORING:

- NO STRUCTURAL CONCRETE SHALL BE STRIPPED UNTIL IT HAS REACHED AT LEAST TWO-THIRDS OF THE 28 DAY DESIGN STRENGTH. DESIGN, ERECTION AND REMOVAL OF ALL FORMWORK, SHORES AND RESHORES SHALL MEET THE REQUIREMENTS SET FORTH IN ACI STANDARDS 347 AND 301, AND DESIGNED BY A FL REGISTERED PE.

6. REINFORCING STEEL:

- SHALL BE ASTM A615 GRADE 60 DEFORMED BARS, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAM AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. IF DESIRED, APPROVAL OF SHOP DRAWINGS PRIOR TO FABRICATION MAY BE PERFORMED BY S.E.O.R. CONTACT S.E.O.R. TO CONTRACT FOR THOSE SERVICES. ALL BARS TO BE WELDED SHALL BE THOSE SPECIFICALLY MANUFACTURED FOR WELDING PURPOSES. CERTIFIED WELDERS W/CERTIFICATES ONLY SHALL WELD THESE BARS. INSPECTOR SHALL VERIFY WELDABILITY AND COLLECT CERTIFICATES.

7. MASONRY WALLS:

- FILLING OF MASONRY CELLS WITH CONCRETE SHALL BE PROHIBITED. ONLY MIX DESIGNS PROPORTIONED FOR GROUTING MASONRY SHALL BE APPROVED.

8. WINDOWS AND DOOR SYSTEMS:

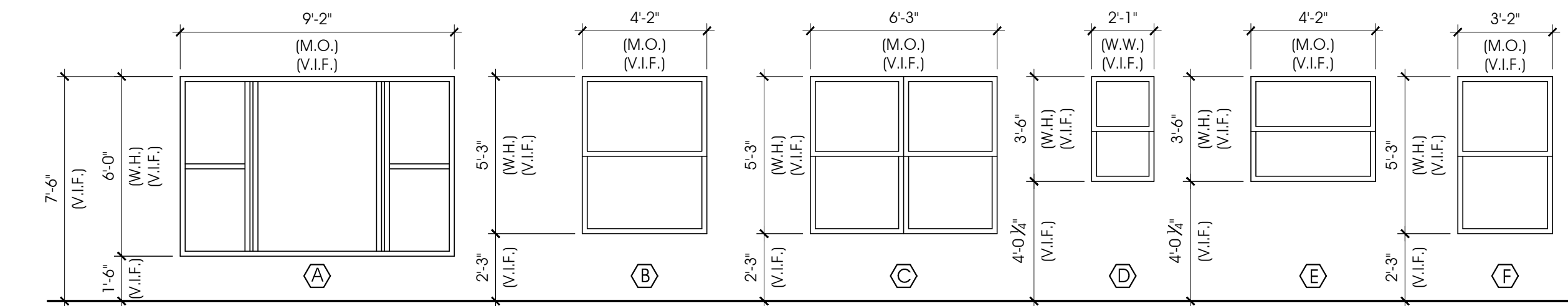
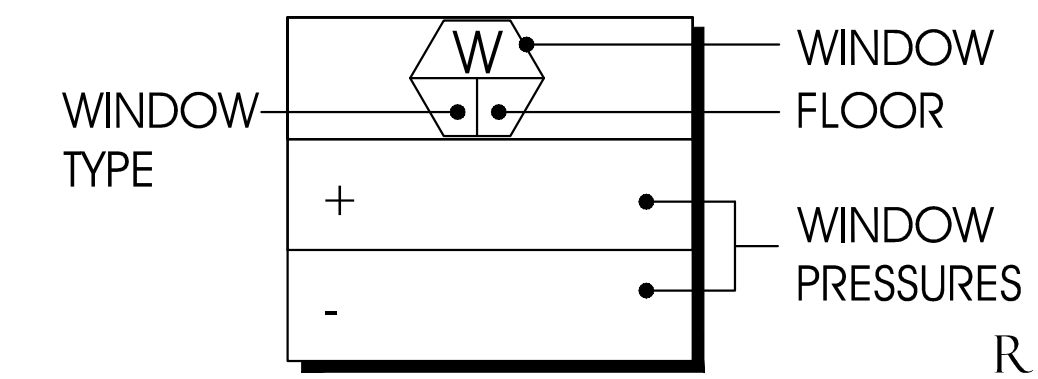
- ALL DOOR AND WINDOW SYSTEMS SHALL BE DESIGNATED AS "SPECIALTY ENGINEERED ITEMS AND THE DESIGN OF THESE SYSTEMS" AND THEIR CONNECTIONS TO THE STRUCTURE DEPICTED ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE SUPPLIER/SPECIALTY ENGINEER. SUBMIT PRODUCT APPROVAL INFORMATION (OR SIGNED AND SEALED CALC'S) FOR APPROVAL PRIOR TO FABRICATION.
- ALL DOOR AND WINDOW SYSTEMS SHALL BE DESIGNED TO SAFELY RESIST THE MIN. WIND PRESSURES SHOWN ON THIS SHEET. SUBMIT SHOP DRAWINGS AND/OR PRODUCT APPROVAL VERIFYING CONFORMANCE.

9. INSPECTIONS:

- THE FOLLOWING WORK SHALL BE INSPECTED BY A SPECIAL INSPECTOR, OR THE BUILDING OFFICIAL:
 - INSTALLATION OF DOORS AND WINDOWS
 - REINFORCED MASONRY RETROFIT DETAILS

MARK	SIZE	TYPE	GLASS		FRAME		TOP AFF	NOA req'd
			TINT	IMPACT	COLOR	MATERIAL		
(A)	9'-2"	Fixed Glass	GREY	YES	WHITE	Aluminum	Match exist. Opening	YES
(B)	4'-2"	Single Hung	GREY	YES	WHITE	Aluminum	*	YES
(C)	6'-3"	Single Hung	GREY	YES	WHITE	Aluminum	*	YES
(D)	2'-1"	Single Hung	GREY	YES	WHITE	Aluminum	*	YES
(E)	4'-2"	Single Hung	GREY	YES	WHITE	Aluminum	*	YES
(F)	3'-2"	Single Hung	GREY	YES	WHITE	Aluminum	*	YES

NOTE: ALL WINDOWS BASED ON PGT



Window Elevations

RETROFIT TYPE 1

SIDES OF NEW WINDOW SYSTEM REQUIRE (2) #6 VERTICAL IN 2 GROUT-FILLED CELLS DIRECTLY ADJACENT TO WINDOW OPENING, PLUS A NEW 8"x8" MIN. CONCRETE CAP WITH (2) #5 HORIZONTAL AT BOTTOM (SILL) OF NEW WINDOW SYSTEM. SEE DETAILS "X" AND "Y" FOR REQUIREMENTS.

RETROFIT TYPE 2

SIDES OF NEW WINDOW SYSTEM REQUIRE (1) #6 VERTICAL IN 1 GROUT-FILLED CELL DIRECTLY ADJACENT TO WINDOW OPENING. SEE DETAIL "X" FOR REQUIREMENTS. EXISTING CONCRETE SILL TO REMAIN.

RETROFIT TYPE 3

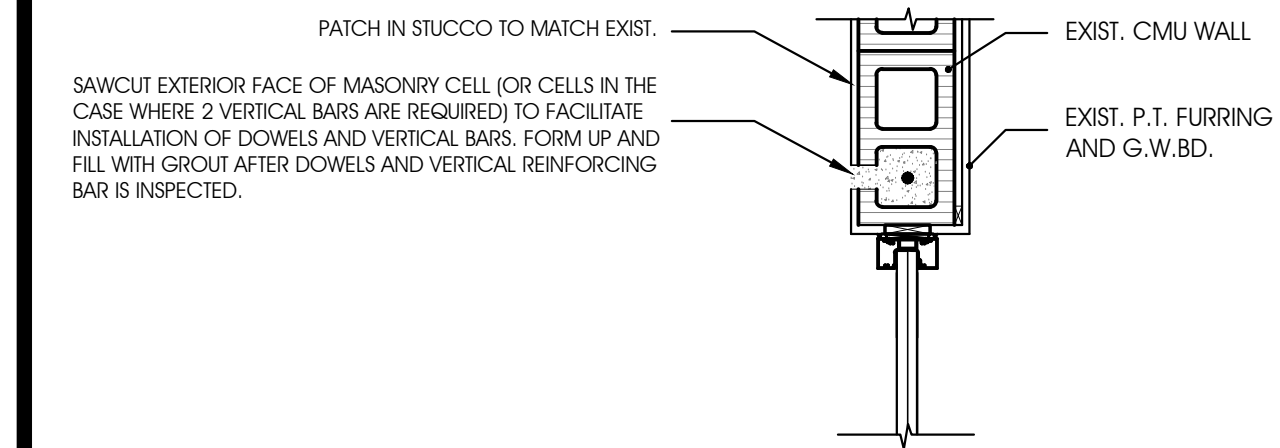
SIDES OF NEW WINDOW SYSTEM REQUIRE (2) #5 VERTICAL IN 2 GROUT-FILLED CELLS DIRECTLY ADJACENT TO WINDOW OPENING, PLUS A NEW 8"x8" MIN. CONCRETE CAP WITH (2) #5 HORIZONTAL AT BOTTOM (SILL) OF NEW WINDOW SYSTEM. SEE DETAILS "X" AND "Y" FOR REQUIREMENTS.

RETROFIT TYPE 4

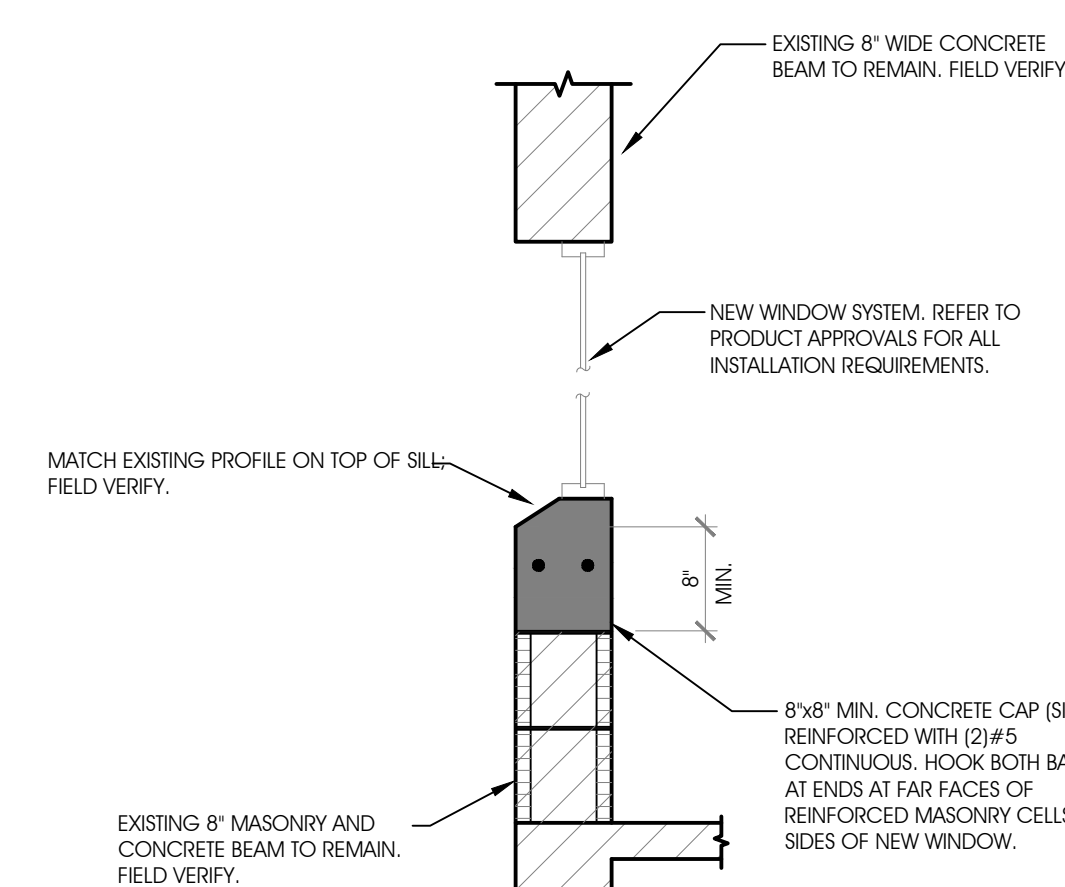
SIDES OF NEW WINDOW SYSTEM REQUIRE (1) #6 VERTICAL IN 1 GROUT-FILLED CELL DIRECTLY ADJACENT TO WINDOW OPENING. SEE DETAIL "X" FOR REQUIREMENTS. EXISTING CONCRETE SILL TO REMAIN.

RETROFIT TYPE 5

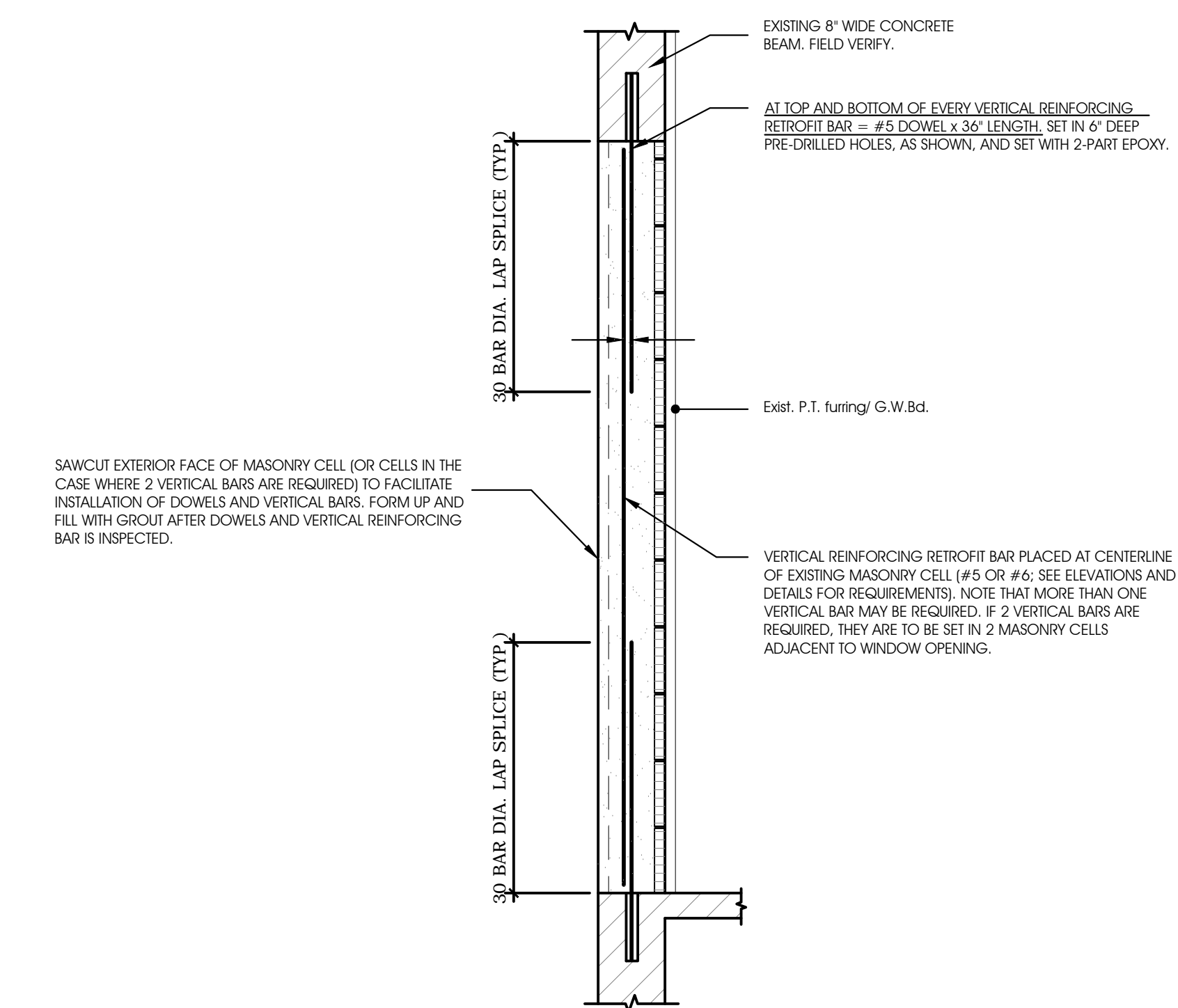
SIDES OF NEW WINDOW SYSTEM REQUIRE A (NEWLY) GROUT-FILLED CELL DIRECTLY ADJACENT TO WINDOW OPENING (NO VERTICAL REINFORCING IS REQUIRED). EXISTING CONCRETE SILL TO REMAIN.



3/11 Filled Cell Jamb Detail 3/4" SC



2/11 New Concrete Cap (Sill) Detail 3/4" SC



1/11 Masonry Reinforcing Detail At Sides of New Windows 3/4" SC

Structural Notes & Details

1/8" SC

PROGRESS SET/NFC 09/15/2016

Issued

- ⊙ : Permit Set
- ⊙ : G.C. Bid Set
- ⊙ : Owner Review
- 9-15-16: Structural Review

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