

SECTION VIEW
RATED ASSY.

ADJACENT BOXES SHALL BE ISOLATED BY A GAP NOT TO EXCEED THE WALL THICKNESS OR BY PUTTY PADS AND OR FIREBLOCKING
AGGREGATE AREA OF ALL OPENINGS NOT TO EXCEED 100 SQ INCHES WITHIN 100 SQ FT OF VERT. WALL SPACE

TYP. RATED WALL SEAL

DESIGN CRITERIA

D1 ALL WORK SHALL CONFORM TO AT LEAST THE MINIMUM STANDARDS OF THE FLORIDA BUILDING CODE, BUILDING 2020, 7TH ED.

GENERAL

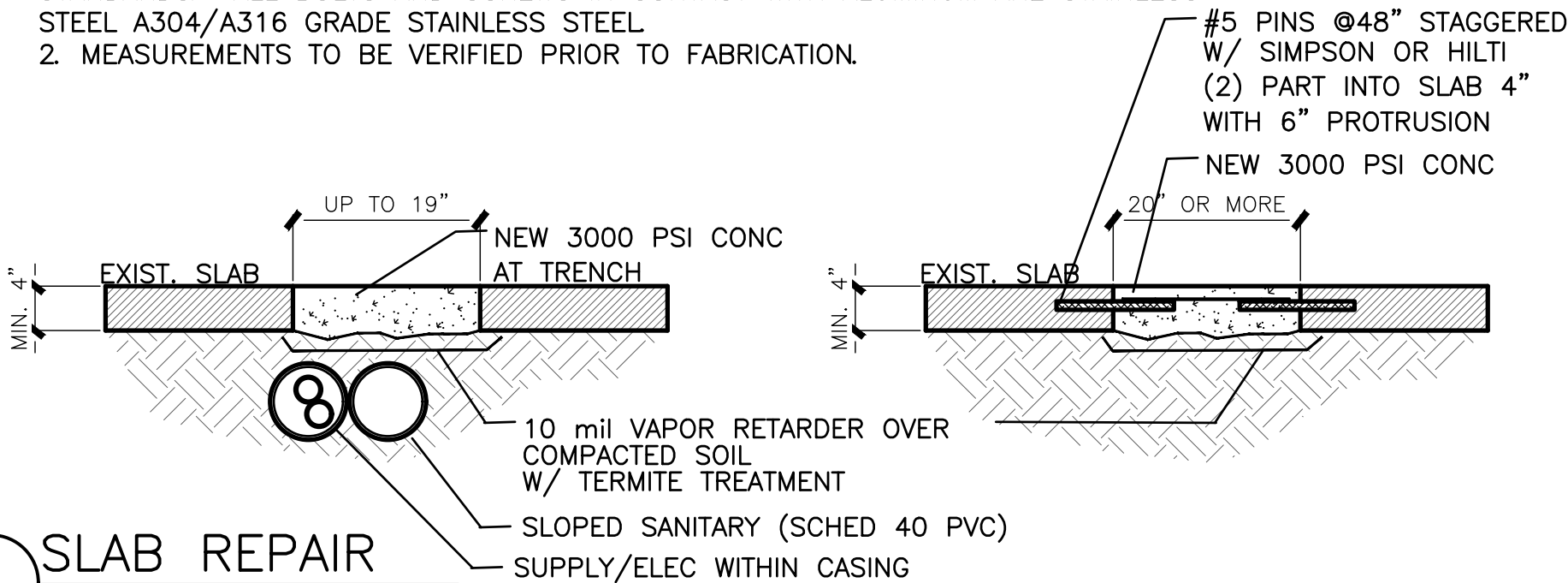
- G1 THE GENERAL CONTRACTOR SHALL REVIEW AND DETERMINE THAT DIMENSIONS ARE COORDINATED BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION OR START OF CONSTRUCTION.
- G2 THE GENERAL CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, THE WORK PERSONS AND OTHER PEOPLE DURING CONSTRUCTION. HE SHALL SUPERVISE AND DIRECT THE WORK AND BE RESPONSIBLE FOR ALL CONSTRUCTION.
- G3 NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE REDUCED IN STRENGTH.
- G4 THE GENERAL CONTRACTOR SHALL COORDINATE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ANCHORED, EMBEDDED AND SUPPORTED ITEMS WHICH AFFECT THE STRUCTURAL DRAWINGS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- G6 ANY SUBMITTALS RECEIVED BY ARCH/ENG THAT HAVE NOT BEEN CHECKED BY THE GC AND HIS SUBCONTRACTOR SHALL BE RETURNED WITHOUT REVIEW.
- G7 ALL SECTIONS AND DETAILS SHALL BE CONSTRUED TO BE TYPICAL OR SIMILAR UNLESS ANOTHER SECTION OR DETAIL IS NOTED.
- G8 ANY CONFLICTS BETWEEN THE SPECIFICATIONS AND DESIGN DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. THE MORE STRINGENT REQUIREMENTS SHALL GOVERN UNLESS DETERMINED OTHERWISE BY THE ARCHITECT.

METAL

1. STRUCTURAL STEEL:
ALL ROLLED STEEL ASTM A36
ALL SHAPES ASTM A992
ALL PLATES & CONNECTION MAT. ASTM A36
ALL TUBULAR SECTIONS ASTM A500, GRADE B
ALL ANCHOR RODS ASTM F1554
2. BOLTED CONNECTIONS: ASTM A325 U.O.N.
3. ALL MATERIAL TO BE SHOP PRIMED U.O.N.

STAINLESS STEEL
1. ALL MATERIAL 316 / 316LL
ASTM A312 ASME SA 312

ALUMINUM:
1. ALUMINUM MATERIAL: SHEET METAL IS 5052-H32 UNDER ASTM B209, STRUCTURAL IS 6061-T6 UNDER ASTM B211 WITH FTY=35KSI AND FTU=38KSI, UNLESS OTHERWISE STATED. ALUMINUM WELDS WILL USE 4043 ALLOY WITH MINIMUM SHEAR STRENGTH OF 17KSI. ALL WELDING TO CONFORM TO AWS D1.2 STANDARDS. ALL BOLTS AND SCREWS IN CONTACT WITH ALUMINUM ARE STAINLESS STEEL A304/A316 GRADE STAINLESS STEEL.
2. MEASUREMENTS TO BE VERIFIED PRIOR TO FABRICATION.



1 SLAB REPAIR

INTERIOR GYPSUM BOARD

- A. Install interior gypsum board in the following locations:
1. Type X: As indicated on Drawings.
2. Ceiling Type: Ceiling surfaces].
3. Moisture- and Mold-Resistant Type: As indicated on Drawings.
B. Single-Layer Application:
1. On ceilings, apply gypsum panels before wall/partition board application to greatest extent possible and at right angles to framing, unless otherwise indicated.
2. On partitions/walls, apply gypsum panels, unless otherwise indicated or required by fire-resistance-rated assembly, and minimize end joints.
3. On furring members, apply gypsum panels vertically (parallel to framing) with no end joints. Locate edge joints over furring members.
4. Fastening Methods: Apply gypsum panels to supports with steel drill screws.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
A. General: Complying with ASTM C 36/C 36M or ASTM C 1396/C 1396M, as applicable to type of gypsum board indicated and whichever is more
a. G-P Gypsum
b. National Gypsum Company.
c. USG Corporation.
B. Type X:
1. Thickness: 5/8 inch (15.9 mm).
2. Long Edges: Tapered.
C. Ceiling Type: Manufactured to have more sag resistance than regular-type gypsum board.
1. Thickness: 5/8 inch (15.9 mm).
2. Long Edges: Tapered.
D. Moisture- and Mold-Resistant Type: With moisture- and mold-resistant core and surfaces.
1. Core: 5/8 inch (15.9 mm), Type X.
2. Long Edges: Tapered.

MATERIALS- GENERAL

A. The Hardware Supplier shall furnish all necessary screws, bolts, shields and other devices required for the proper fastening and operation of the hardware, whether or not specifically mentioned herein and these items shall harmonize with the hardware as to material and finish. It is intended that the following list of hardware will cover all finish hardware to complete the project. Omissions and/or discrepancies shall be brought to the Architect's attention during the bidding period.
B. Provide butts, locksets, cylinders and keying, closers, fire exit devices, trim, weatherstripping and related hardware items to comply with Project / Owner's requirements.

CONCRETE AND REINFORCING

- C1 A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD TESTING INCLUDING SLUMP TESTS AND CYLINDER BREAKS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER.
- C2 CONCRETE WORK SHALL CONFORM TO ACI 318-08 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- C3 ALL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:

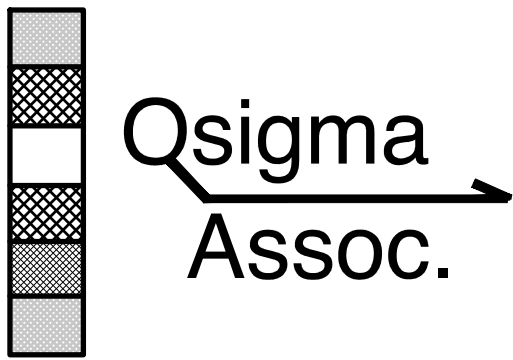
LOCATION	28 DAY STRENGTH	SLUMP	COARSE AGGREGATE(S)
FOUNDATIONS	3000 PSI	4" +/- 1"	1"
SLAB-ON-GRADE: FOOT TRAFFIC	3000 PSI	4" +/- 1"	1"
TIE BEAMS AND TIE COLUMNS (MAX 50' BETWEEN COLD JOINTS)	3000 PSI	4" +/- 1"	3/8"
BEAMS AND COLUMNS	4000 PSI	4" +/- 1"	1"
FILLED CELL, PRECAST LINTELS & BOND BEAM GROUT (ASTM C476) - SEE NOTE 2	2500 PSI	8" TO 11"	COARSE GROUT: 3/8" FINE GROUT: NONE
NOTES: 1. SLUMP FOR RAMPS AND SLOPING SURFACES SHALL NOT EXCEED 4". 2. SEE MASONRY NOTES FOR TESTING REQUIREMENTS OF GROUT TO BE USED TO FILL CORES OF CMU.			

- C4 CONCRETE MIX DESIGN SUBMITTALS:
1. EACH MIX DESIGN SHALL BE LABELED TO INDICATE THE AREA IN WHICH THE CONCRETE IS TO BE PLACED (I.E. FOUNDATIONS, SLAB-ON-GRADE, COLUMNS, ETC.). FAILURE TO DO SO WILL CAUSE DELAY AND/OR REJECTION OF SUBMITTALS.
2. PROPOSED MIX DESIGN SHALL BE IN ACCORDANCE WITH METHOD 1 OR METHOD 2 OF ACI 301. PROVIDE SUPPORTING DATA IN TABULAR FORM FOR EACH SEPARATE PROPOSED MIX.
3. SUBMIT CONCRETE MIX DESIGN FOR EACH PROPOSED CLASS OF CONCRETE.

MECHANICAL FASTENERS

- MF1 EXPANSION ANCHORS SHALL BE "POWER-STUD" BY RAWL OR "TRUBOLT" BY ITW RAMSET/REDHEAD OR ENGINEER-APPROVED EQUAL.
- MF2 ADHESIVE ANCHORS SHALL BE "POWER-FAST" BY RAWL OR "EPCON" BY ITW RAMSET/REDHEAD OR ENGINEER-APPROVED EQUAL.
- MF3 MASONRY SCREWS SHALL BE "TAPPERS" BY RAWL OR "TAPCON" BY ITW RAMSET/REDHEAD OR ENGINEER-APPROVED EQUAL.
- MF4 POWDER-ACTUATED FASTENERS (PAF) SHALL BE BY ITW RAMSET/REDHEAD, HILTI, OR ENGINEER-APPROVED EQUAL.
- MF5 REFER TO LIGHT-GAGE FRAMING NOTES (IF APPLICABLE) FOR ADDITIONAL INFORMATION.
- MF6 CARBON-STEEL EXPANSION ANCHORS SHALL HAVE A ONE-PIECE ANCHOR BODY WITH A LENGTH IDENTIFICATION CODE. THE ANCHORS SHALL HAVE AN EXPANSION MECHANISM WHICH CONSISTS OF A PAIR OF INTERLOCKING INDEPENDENT WEDGES. CARBON STEEL COMPONENTS SHALL BE PLATED ACCORDING TO ASTM SPECIFICATION B 6.33. EXPANSION ANCHORS MUST MEET THE DESCRIPTION IN FEDERAL SPECIFICATION FF-8-325 FOR CONCRETE EXPANSION ANCHORS.
- MF7 ALL FASTENERS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO LIGHT GAGE METAL FRAMING NOTES (IF APPLICABLE) FOR ADDITIONAL INFORMATION.

Engineer of Record:



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Revisions/Comments:

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Drawing Information

Drawn by: RSIMON
Date: 6/13/22

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SPECIFICATIONS
STRUCT. NOTES