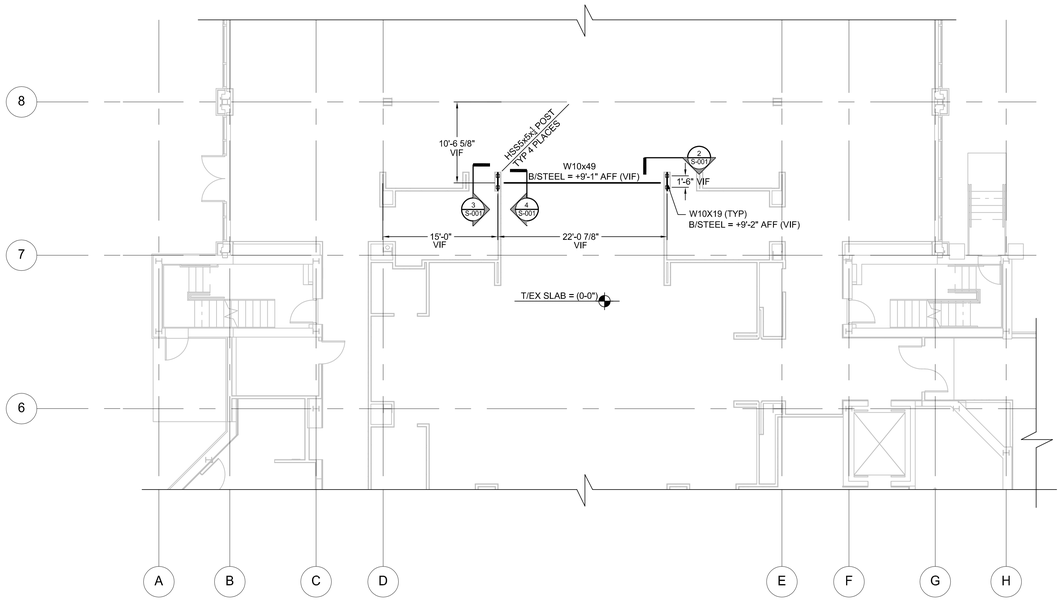
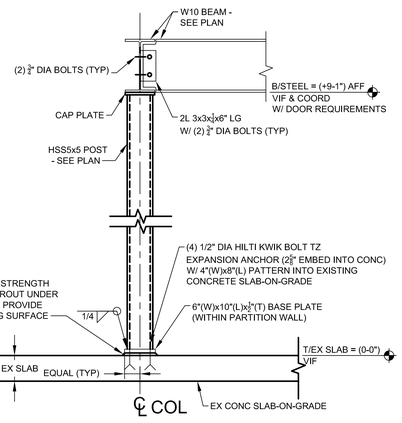
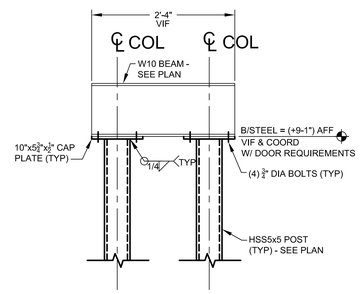


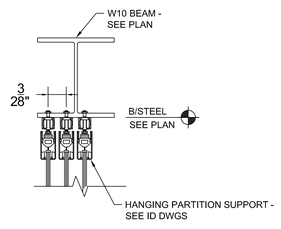
1 SLIDING DOOR SUPPORT FRAMING PLAN
S-001 SCALE: 1/8" = 1'-0"



2 SECTION
S-001 SCALE: 1" = 1'-0"



3 SECTION
S-001 SCALE: 1" = 1'-0"



4 SECTION
S-001 SCALE: 1-1/2" = 1'-0"

SPECIAL INSPECTION SCHEDULE
ESTABLISHED PER 2010 IBC CHAPTER 17

ITEM	CONTINUOUS INSPECTION	PERIODIC INSPECTION	COMMENTS
SOILS			
BEARING CAPACITY VERIFICATION		X	
EXCAVATION DEPTH VERIFICATION		X	
CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS		X	
VERIFICATION OF USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT	X		
VERIFICATION OF PROPER SITE PREPARATION PRIOR TO PLACEMENT OF CONTROLLED FILL		X	
PREFAB. CONSTRUCTION			REF. NOTE 6
CONCRETE			
REINFORCING STEEL & PLACEMENT		X	
MIX		X	
FORMWORK		X	
PREPARATION OF TEST SPECIMEN	X		
CONCRETE PLACEMENT	X		
POST-INSTALLED ANCHOR PLACEMENT	X		REF. NOTE 7
CURING		X	
STRUCTURAL STEEL WELDS			REF. NOTE 10 & 11
FABRICATION & ERECTION		X	
SINGLE PASS FILLET WELDS <= 5/16"		X	
FILLET WELDS >= 5/16"	X		
STRUCTURAL STEEL BOLTS			REF. NOTE 10
BEARING-TYPE CONNECTIONS		X	
SLIP-CRITICAL CONNECTIONS	X		

CODES AND STANDARDS

1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATIONS REFERENCED WITHIN, APPLY TO THE DESIGN AND CONSTRUCTION OF THIS PROJECT:
   a. PENNSYLVANIA UNIFORM CONSTRUCTION CODE (UCC)
   b. ICC, INTERNATIONAL BUILDING CODE - 2009
   c. ASCE 7-05, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
   d. AISC 360-05, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
   e. ACI 318-08, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

DESIGN LOADS AND CRITERIA

1. BUILDING OCCUPANCY CATEGORY:

2. INTERNAL LATERAL/HORIZONTAL PRESSURE = 5 PSF (IBC 1607.13)

3. SEISMIC CRITERIA:

a. IMPORTANCE FACTOR, Ie	1.0
b. SOIL SITE CLASS	C
c. SHORT PERIOD ACCELERATION, Ss	0.207
d. 1-SECOND PERIOD ACCELERATION, S1	0.061
e. LONG-PERIOD TRANSITION PERIOD, T1	6 sec
f. SEISMIC DESIGN CATEGORY	B
g. RESPONSE MODIFICATION COEF, R	3.0

4. LIVE LOADS
   a. LOBBIES AND FIRST FLOOR CORRIDORS 100 psf

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE BUILDING CODE.
2. ALL DETAILS, SECTIONS, AND NOTES SHOWN ON DRAWINGS SHALL BE TYPICAL AND APPLY TO SIMILAR SITUATIONS, UNLESS NOTED OTHERWISE.
3. THE EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS IS PROVIDED FOR REFERENCE ONLY. EXISTING CONSTRUCTION SHALL BE CHECKED AGAINST THE ORIGINAL BUILDING DOCUMENTS AND ALL AVAILABLE DATA AND VERIFIED IN THE FIELD THROUGH ACTUAL MEASUREMENT PRIOR TO FABRICATION AND ERECTION OF ALL NEW CONSTRUCTION.
4. ANY CHANGE IN SIZE, DIMENSION OR POSITION OF STRUCTURAL ELEMENTS REQUIRES APPROVAL FROM THE DESIGN PROFESSIONAL.
5. THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL IN WRITING OF FIELD CONDITIONS THAT ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS PRIOR TO PROCEEDING.
6. EXISTING STRUCTURAL MEMBERS SHALL NOT BE CUT OR MODIFIED UNLESS SPECIFICALLY SHOWN HEREIN, OR UNLESS APPROVED BY THE DESIGN PROFESSIONAL.
7. SUBMIT DIMENSIONED, COORDINATED SHOP DRAWINGS INCLUDING ERECTION PLANS, PIECE DRAWINGS AND ERECTION DETAILS. SHOP DRAWINGS ARE TO BE APPROVED PRIOR TO START OF FABRICATION. CONTRACTOR SHALL COORDINATE WITH ALL RELATED TRADES FOR DETAILING, FABRICATION AND ERECTION PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL.
8. DO NOT REPRODUCE ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS. SHOP DRAWINGS IN SUCH MANNER WILL BE REJECTED AND RETURNED.
9. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC., REQUIREMENTS. DISCREPANCIES AND/OR INTERFERENCES SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.
10. PROTECT EXISTING AND NEW UTILITIES AND BUILDINGS, AS NECESSARY, AND ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE DURING CONSTRUCTION. RESTORATION OF DAMAGED AREAS SHALL BE TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
11. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING STRUCTURE FROM DAMAGE DURING CONSTRUCTION OF THE WORK SHOWN HEREIN.
12. CONTRACTOR SHALL NOT OVERLOAD THE EXISTING STRUCTURE DURING CONSTRUCTION.
13. DEMOLITION OF THE EXISTING STRUCTURE SHALL BE AS INDICATED IN THE DEMOLITION PLANS. STRUCTURE SHALL BE REMOVED IN REVERSE ORDER OF CONSTRUCTION. DO NOT UNDERMINE OR KNOCK DOWN STRUCTURE CASUING WORK TO FALL. WHERE DEMOLITION WORK ABUTS WORK TO REMAIN CONTRACTOR SHALL SAW CUT TO NOT COMPROMISE INTEGRITY OF ELEMENTS TO REMAIN.
14. MEANS AND METHODS ENGINEERING; CONTRACTOR SHALL RETAIN ON STAFF, OR SHALL SEPARATELY ENGAGE THE SERVICES OF A PROFESSIONAL ENGINEER, TO DESIGN, INSPECT, AND APPROVE MEANS AND METHODS OF PERFORMING DEMOLITION AND NEW STRUCTURAL WORK.

EXPANSION ANCHOR NOTES

1. ANCHORING TO CONCRETE SHALL BE IN CONFORMANCE WITH ACI 318, APPENDIX D. POST-INSTALLED ANCHORS ARE TO BE PRE-QUALIFIED PER ACI 355.2 TESTS.
2. POST-INSTALLED ANCHORS SHALL MEET ALL MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS INCLUDING ANCHOR INSTALLATION PROCEDURES, HOLE DIAMETERS AND EDGE DISTANCE. EMBEDMENT AND SPACING TO BE AS INDICATED.
3. SUBMIT ENGINEERING DESIGN CALCULATIONS AND PRODUCT DATA FOR CONNECTIONS WHICH DIFFER FROM THE DESIGN SHOWN ON THE DRAWINGS. CALCULATIONS SUBMITTED SHALL SUBSTANTIATE THAT THE SUBSTITUTED ANCHORS ARE CAPABLE OF RESISTING THE SAME LOAD AS THOSE INITIALLY SPECIFIED.
4. DRILLING INTO IN-PLACE WORK SHALL BE PERFORMED IN A MANNER WHICH AVOIDS DAMAGE TO ALL EXISTING REINFORCEMENT UNLESS OTHERWISE ACCEPTED BY THE DESIGN PROFESSIONAL. USE A NON-DESTRUCTIVE BAR DETECTION METHOD TO LOCATE EXISTING REINFORCEMENT PRIOR TO DRILLING.

STRUCTURAL STEEL

1. STRUCTURAL STEEL AND CONNECTIONS HAVE BEEN DESIGNED AND ARE TO BE BUILT IN CONFORMANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING DESIGNATIONS, U.N.O.

ANGLES, PLATES & BAR	ASTM A36
HSS SHAPES	ASTM A500, GRADE B
WF SHAPES	ASTM A992, GRADE 50

3. BOLTS SHALL BE MINIMUM $\frac{3}{4}$" DIAMETER AND CONFORM TO REQUIREMENTS OF ASTM A325 OR A490, U.N.O.
4. WELDING SHALL BE IN COMPLIANCE WITH THE AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE - STEEL. ELECTRODES SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI.
5. FILLET WELDS SHALL HAVE A MINIMUM SIZE OF $\frac{1}{4}$ IN., U.N.O.
6. IF PARTS JOINED BY FILLET WELDS ARE SEPARATED BY MORE THAN $\frac{1}{16}$" INCREASE THE LEG OF THE FILLET WELD BY THE AMOUNT OF THE ROOT OPENING. ROOT OPENING SHALL NOT EXCEED $\frac{3}{16}$ IN.
7. INDEPENDENT INSPECTION AND TESTING AGENCY SHALL VERIFY STEEL WORK IS COMPLETED IN COMPLIANCE WITH THE IBC 2009, CHAPTER 17 AND THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO INSPECTION OF ERECTION IN ACCORDANCE WITH APPROVED SHOP DWGS AND TESTING OF WELDS PER AWS STANDARDS.
8. DO NOT FIELD CUT STRUCTURAL STEEL MEMBERS WITHOUT THE APPROVAL OF THE DESIGN PROFESSIONAL.
9. ALIGN, LEVEL AND ADJUST MEMBERS ACCURATELY PRIOR TO FINAL FASTENING.
10. HIGH STRENGTH GROUT SHALL BE NON-METALLIC, NON-SHRINK GROUT CONFORMING TO ASTM C1107 WITH 28-DAY COMPRESSIVE STRENGTH OF AT LEAST 7600 PSI.
11. STEEL SHALL BE PRIMED. SHOP PRIMER SHALL CONFORM TO APPLICABLE PROVISION'S REGARDING VOC'S AND SHALL WITHSTAND THE FOLLOWING TESTS WITHOUT ANY CHANGE IN ADHESION, FILM INTEGRITY, HARDNESS, COLOR, BLISTERING OR CRACKING:
    a. SALT SPRAY RESISTANCE: ASTM C117, 500 HOURS
    b. LIGHT AND WATER RESISTANCE: ASTM C4585, 500 HOURS

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

1. PROVIDE STRUCTURAL TESTS AND INSPECTIONS IN COMPLIANCE WITH THE REQUIREMENTS OF THE IBC 2009, CHAPTER 17, AND THE PROJECT SPECIFICATIONS.
2. THE ITEMS CHECKED WITH AN "X" IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC 2009, CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO PROJECT SPECIFICATIONS, AND THE STRUCTURAL NOTES. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE REGISTERED DESIGN PROFESSIONAL AND THE BUILDING OFFICIAL. ANY MATERIALS WHICH FAIL TO MEET THE PROJECT SPECIFICATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL AND THE BUILDING OFFICIAL.
3. INSPECTION OF FABRICATED ITEMS IS REQUIRED FOR WORK PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP TO REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK. SPECIAL INSPECTION IS NOT REQUIRED FOR WORK PERFORMED BY AN APPROVED FABRICATOR PER IBC CHAPTER 17.
4. CONTINUOUS SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON THE SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION (IBC). PERIODIC SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON SITE AT TIME INTERVALS NECESSARY TO CONFIRM THAT ALL WORK REQUIRING SPECIAL INSPECTION IS IN COMPLIANCE.
5. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. CONTINUOUS INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE.
6. INSPECTION OF DRILLED CONCRETE ANCHORS, INCLUDING EXPANSION AND ADHESIVE GROUTED ANCHORS, SHALL INCLUDE VISUAL OF DRILLED HOLE DEPTH, SPACING, EDGE DISTANCES AND HOLE CLEANING. FOR GROUTED ANCHORS, GROUT INSTALLATION SHALL BE OBSERVED AND GROUT PRODUCT SPECIFICATION AND PREPARATION SHALL BE VERIFIED.
7. SPECIAL INSPECTION NOT REQUIRED FOR SLABS-ON-GRADE.
8. SPECIAL INSPECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH IBC CHAPTER 17. THE STEEL FRAME SHALL BE INSPECTED FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS INCLUDING BRACING, STIFFENING, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
9. ALL STRUCTURAL STEEL, HIGH STRENGTH BOLTS, NUTS AND WASHERS, AND WELD MATERIAL SHALL MEET APPLICABLE MATERIAL STANDARDS PER IBC.
10. ALL WELDS SHALL BE VISUALLY INSPECTED. ALL COMPLETE PENETRATION WELDS SHALL BE TESTED ULTRASONICALLY OR BY USING ANOTHER APPROVED METHOD.

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General Notes:

Project Client:
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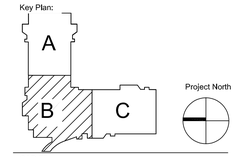
INTERIOR FIT-OUT

Number	Description	Date
	ISSUE FOR PERMIT	09/25/14
1	ISSUE FOR CONSTRUCTION	10/27/14

Key Plan:



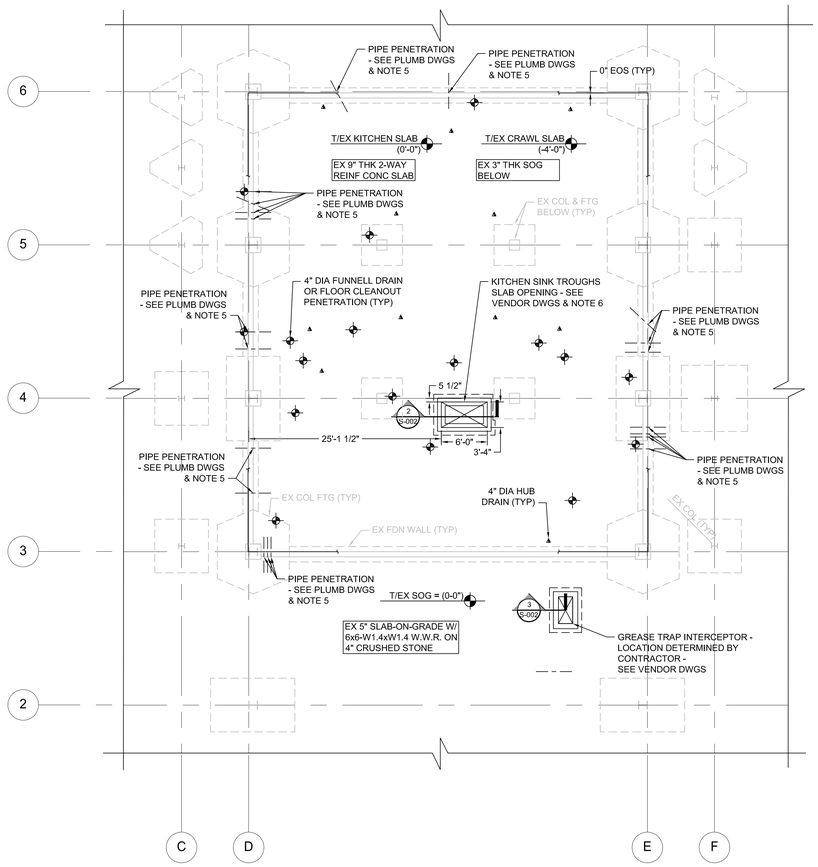
CAD File:

Project No.: K2017800

Drawing Sheet Title:
SLIDING DOOR SUPPORT FRAMING AND DETAILS

Drawing Sheet Number:
S-001

Owner's Drawing Sheet No.:

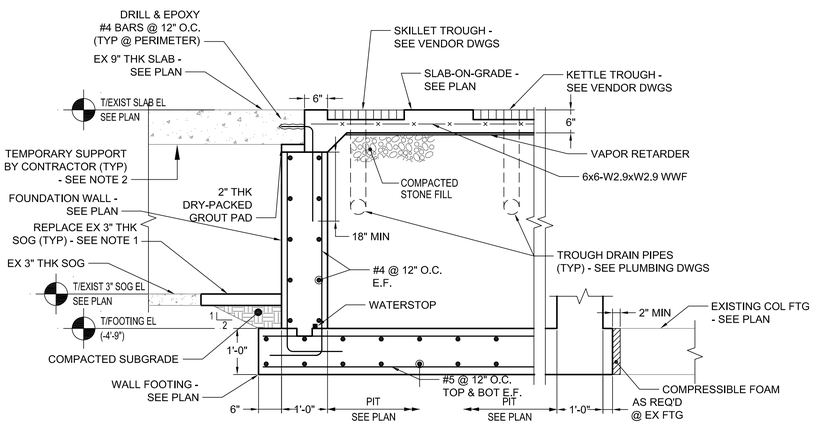


1 FOUNDATION & SLAB-ON-GRADE PLAN

S-002 SCALE: 1/8" = 1'-0"

NOTES:

1. SEE DRAWING S-001 FOR GENERAL NOTES.
2. TOP OF SLAB ELEVATION 0'-0" ABOVE REFERENCE ELEVATION 301'-0".
3. COORDINATE ALL EMBEDS, PIPE/CONDUIT SLEEVE SIZE AND ELEVATIONS, ETC. WITH INTERIOR, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS AND CONTRACTORS.
4. UNLESS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS, NO PENETRATIONS OF ANY SIZE SHALL BE MADE THROUGH EXISTING STRUCTURAL MEMBERS WITHOUT APPROVAL OF THE DESIGN PROFESSIONAL. NOTE THAT PENETRATIONS FOR PIPES AND/OR CONDUITS LESS THAN 3" NOT SHOWN FOR CLARITY, REFER TO PLUMBING AND ELECTRICAL DRAWINGS AND EXISTING SLAB PENETRATION NOTES.
5. PENETRATIONS FOR NEW PIPES THROUGH FDN WALL SUPPORTING 9" THK SLAB SHALL BE LOCATED AT LEAST 1'-0" BELOW T/SLAB. ADJACENT PIPE PENETRATIONS SHALL BE LOCATED AT LEAST 1'-0" MIN AWAY. NOTIFY THE DESIGN PROFESSIONAL IF EITHER REQUIREMENT CAN'T BE MET.
6. PROVIDE TEMPORARY SLAB SUPPORTS, SHORING AND/OR BRACING AROUND THE SLAB OPENING PERIMETER, AS NECESSARY, PRIOR TO SAW CUTTING THE KITCHEN SINK OPENINGS SHOWN IN 2/S-002.



2 SECTION

S-002 SCALE: 3/4" = 1'-0"

NOTES:

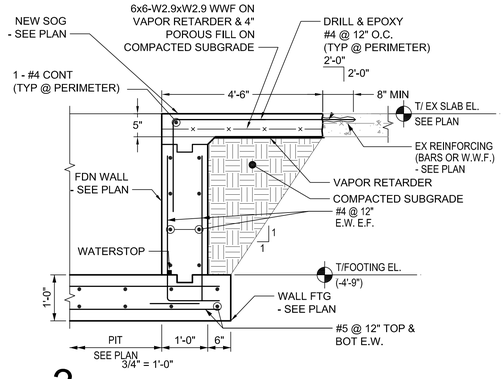
1. REPLACE EX 3" CRAWL SPACE SOG BEYOND PIT WALL AROUND ENTIRE PIT PERIMETER.
2. INSTALL TEMPORARY SUPPORTS AROUND OPENING PERIMETER PRIOR TO SAW CUTTING EX 9" THK SLAB.

FOUNDATIONS AND EARTHWORK

1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH IBC 2009 CHAPTER 18. NO NEW GEOTECHNICAL REPORT HAS BEEN PROVIDED BY THE OWNER FOR THIS PROJECT.
2. FOUNDATIONS HAVE BEEN DESIGNED FOR THE FOLLOWING NET ALLOWABLE BEARING PRESSURE: 2.0 KSF USING TABLE 1804.2.
3. AFTER THE EXCAVATED AREAS ARE CLEANED OF LOOSE MATERIAL AND PRIOR TO PLACING CONCRETE, THE SUBGRADE FOR ALL FOUNDATIONS AND SLABS SHALL BE INSPECTED AND APPROVED BY THE OWNER'S GEOTECHNICAL ENGINEER.
4. THE CONCRETE FOUNDATION, OR A 3 INCH CONCRETE MUD MAT MUST BE PLACED THE SAME DAY THE SUBGRADE IS INSPECTED. IF THE SURFACE IS DISTURBED BEFORE CONCRETE IS PLACED, THE SUBGRADE SHALL BE RE-INSPECTED BY THE OWNER'S GEOTECHNICAL ENGINEER AT THE CONTRACTOR'S EXPENSE.
5. WHEN FILLING AGAINST OPPOSITE SIDES OF A WALL OR STRUCTURE, BACKFILL IN LIFTS SUCH THAT THE DIFFERENCE IN FILL ELEVATION ON OPPOSITE SIDES DOES NOT EXCEED 12 INCHES.
6. WHERE EXCAVATION SLOPE IS GREATER THAN 1.0 H TO 1.0 V PROVIDE ALL SHEETING, SHORING, AND BRACING NECESSARY, AND TAKE CARE NOT TO UNDERMINE THE EXISTING CONSTRUCTION.
7. UTILITIES SHALL NOT BE LOCATED BENEATH FOUNDATIONS UNLESS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS.
8. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND PERFORMANCE OF ALL DEWATERING AND EARTH RETENTION SYSTEMS, INCLUDING SYSTEMS SUCH AS UNDERPINNING AND BRACING NECESSARY TO PROTECT EXISTING STRUCTURES AND UTILITIES.
9. EXISTING FOUNDATION INFORMATION SHOWN IS TAKEN FROM EXISTING STRUCTURAL DRAWINGS DATED 02/17/1969 AND MUST BE FIELD VERIFIED. REPORT DISCREPANCIES TO THE DESIGN PROFESSIONAL BEFORE PROCEEDING WITH WORK.
10. UNDERPINNING IS NOT ANTICIPATED, HOWEVER IF OVER EXCAVATION OCCURS FOR ANY REASON, UNDERPINNING IS REQUIRED WHERE THE DEPTH OF EXCAVATION IS BELOW EXISTING FOUNDATIONS. CONTRACTOR SHALL PROTECT EXISTING FOUNDATION SUBGRADE. UNDERPINNING IS CONSIDERED CONSTRUCTION MEANS AND METHODS.

EXISTING SLAB/FDN WALL PENETRATION NOTES

1. REFER TO PLUMBING AND KITCHEN DRAWINGS FOR EXACT PENETRATION LOCATIONS.
2. PENETRATIONS LESS THAN 3" ARE NOT SHOWN FOR CLARITY, REFER TO PLUMBING AND KITCHEN DRAWINGS.
3. DRILLING & SAW CUTTING INTO THE EXISTING STRUCTURE SHALL BE PERFORMED IN A MANNER WHICH AVOIDS DAMAGE TO ALL EXISTING REINFORCEMENT UNLESS OTHERWISE APPROVED BY THE DESIGN PROFESSIONAL. PRIOR TO DRILLING OR SAW CUTTING, LOCATE EXISTING REINFORCEMENT BY USE OF A BAR DETECTION METHOD TO AVOID DAMAGE.
4. ALL PENETRATIONS LESS THAN EXISTING REINFORCEMENT SPACING SHALL BE LOCATED TO AVOID DAMAGE TO EXISTING REINFORCEMENT. REFER TO EXISTING VINCENT G. KLING AND ASSOCIATES ARCHITECTS DRAWING S3, DATED 02/17/1969 FOR SLAB REINFORCEMENT DETAILS AND SPACING. THE AVERAGE REINFORCEMENT SPACING THROUGHOUT THE SLAB IS 12" O.C., EXCEPT AT SPECIFIC LOCATIONS DOCUMENTED WHERE IT IS REDUCED TO AS LOW AS 8" O.C.
5. ALL PENETRATIONS GREATER THAN EXISTING REINFORCEMENT SPACING SHALL BE LOCATED TO MINIMIZE DAMAGE TO EXISTING REINFORCEMENT. CONTRACTOR TO PROVIDE PENETRATION SIZE, LOCATION AND APPROXIMATE NUMBER OF INTERFERING STEEL REINFORCEMENT BARS PRIOR TO SAW CUTTING THE CONCRETE FOR APPROVAL BY THE DESIGN PROFESSIONAL .
6. REFER TO TYPICAL SLAB-ON-GRADE INFILL DETAILS FOR TRENCHING OF EXISTING SLAB-ON-GRADE.



3 SECTION

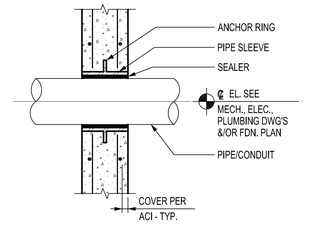
S-002 SCALE:

CAST-IN-PLACE CONCRETE NOTES

1. PROVIDE CAST-IN-PLACE CONCRETE FOR EACH CLASS OF CONCRETE SHOWN IN THE CONCRETE MATERIAL SCHEDULE AND AS REQUIRED BY CONSTRUCTION METHODS & SCHEDULES.
2. REINFORCING SHALL BE AS FOLLOWS:
   A. CONVENTIONAL DEFORMED REINFORCING BARS - ASTM A615, GRADE 60.
   B. WELDED WIRE REINFORCEMENT - ASTM A185, SUPPLIED IN FLAT SHEETS.
3. CONCRETE COVER OVER REINFORCING SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
   A. CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH OR WEATHER - 3 IN.
   B. REINFORCING IN SLABS & WALLS NOT EXPOSED TO EARTH OR WEATHER - 3/4 IN.
   C. REINFORCING EXPOSED TO EARTH OR WEATHER -
      #5 & SMALLER - 1 1/2 IN
      #6 & LARGER - 2 IN
   D. COVER TO STIRRUPS & TIES IN BEAMS & COLUMNS - 1 1/2 IN
4. SPLICE REINFORCING BARS PER ACI 318 WITH CLASS B TENSION LAP SPLICES, UNLESS NOTED OTHERWISE. REINFORCING BAR DEVELOPMENT LENGTHS SHALL BE PER THE TABLE SHOWN BELOW, WHICH COMPLIES WITH ACI 318.
5. WWR SHALL BE LAP SPLICED PER ACI 318 AND TIED SECURELY.
6. DOWELS SHALL MATCH AND BE CLASS B TENSION LAP SPLICED WITH THE MAIN REINFORCEMENT, UNLESS NOTED OTHERWISE.
7. ALL HOOKS IN REINFORCING STEEL SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE.
8. FIELD BENDING OF REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE IS NOT PERMITTED UNLESS INDICATED ON THE DRAWINGS OR APPROVED IN WRITING BY THE DESIGN PROFESSIONAL. REBAR SHALL NOT BE HEATED WITH A TORCH IN THE FIELD.
9. DO NOT WELD REINFORCING UNLESS INDICATED ON THE DRAWINGS OR APPROVED IN WRITING BY THE DESIGN PROFESSIONAL.
10. ALL CONSTRUCTION JOINTS SHALL BE WIRE BRUSHED, CLEANED, AND COATED WITH A BONDING AGENT OR MOISTENED WITH A CEMENT SLURRY SCRUBBED INTO THE JOINT IMMEDIATELY PRIOR TO PLACING NEW CONCRETE.
11. PROVIDE A WATERSTOP IN ALL SLAB CONSTRUCTION JOINTS EXPOSED TO EARTH OR WEATHER, COVERED WITH A WATERPROOF MEMBRANE AND WHERE INDICATED.
12. CHAMFER ALL EXPOSED CORNERS 3/4 INCH, UNLESS NOTED OTHERWISE.
13. PRIOR TO PLACEMENT OF NEW CONCRETE AGAINST EXISTING CONCRETE SURFACES, CLEAN AND ROUGHEN TO 1/4" AMPLITUDE AND APPLY BONDING AGENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

REINFORCING BARS DEVELOPMENT LENGTH (IN)				
BAR SIZE	4000 (psi)			
	TOP BARS		OTHER BARS	
	CASE 1	CASE 2	CASE 1	CASE 2
#3	19	28	14	21
#4	25	37	19	28
#5	31	46	24	36
#6	37	56	28	43
#7	54	81	42	62
#8	62	93	47	71
#9	69	104	53	80
#10	77	116	59	89
#11	85	127	65	98

1. TOP BARS AS DEFINED BY ACI 318-05.
2. CASE 1: CLEAR SPACING OF BARS DEVELOPED OR SPLICED NOT LESS THAN db, CLEAR COVER NOT LESS THAN db, AND STIRRUPS OR TIES THROUGH Ld NOT LESS THAN THE CODE MINIMUM OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db.
   CASE 2: BARS DEVELOPED OR SPLICED WITH CLEAR COVER AND/OR SPACING NOT MEETING THE REQUIREMENTS OF CASE 1.
3. SPLICE LENGTHS:
   A. CLASS A TENSION SPLICE = 1.0Ld, 12 IN. MIN.
   B. CLASS BE TENSION SPLICE = 1.3 Ld, 12 IN. MIN.
   C. COMPRESSION SPLICE = 30db, 12 IN. MIN.



4 PIPE SLEEVE THROUGH WALL

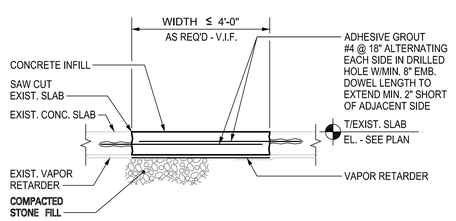
S-002 SCALE:3/4" = 1'-0"

NOTES:

1. SEE ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS FOR SLEEVE DETAILS, SIZE & LOCATIONS.

CONCRETE MATERIAL SCHEDULE								
ELEMENT	F'c (psi)	MAXIMUM W/C RATIO	DRY UNIT WEIGHT (lb/ft³)	MAX AGGREGATE SIZE (in)	AGGREGATE CLASS DESIGNATION (ASTM C33)	ENTRAINED AIR CONTENT (%)	SLUMP* ± 1 (in)	MAXIMUM CHLORIDE CONTENT (%)
SLAB-ON GRADE	4,000	0.48	145	3/4	2S	N/A	4/8	0.30
FOOTINGS & GRADE BEAMS	4,000	0.48	145	3/4	1S	5 1/2% ± 1/2%	4/8	0.30

*VALUES SHOWN ARE MAX SLUMP OF THE CONCRETE AS PLACED WITHOUT SUPERPLASTICIZERS OVER MAX SLUMP IF SUPERPLASTICIZERS ARE USED.

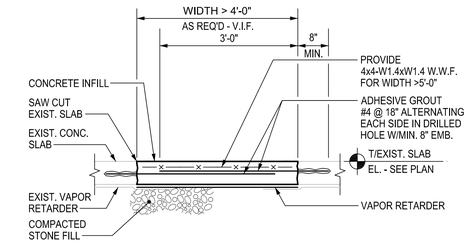


5 TYPICAL SLAB-ON-GRADE INFILL DETAIL (WIDTH ≤ 4'-0")

S-002 SCALE:3/4" = 1'-0"

NOTES:

1. REPLACE, PATCH AND REPAIR VAOPR RETARDER.
2. ROUGHEN SLAB EDGE AND APPLY BONDING MATERIAL.



6 TYPICAL SLAB-ON-GRADE INFILL DETAIL (WIDTH < 4'-0")

S-002 SCALE:3/4" = 1'-0"

NOTES:

1. REPLACE, PATCH AND REPAIR VAOPR RETARDER.
2. ROUGHEN SLAB EDGE AND APPLY BONDING MATERIAL.

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General Notes:

Project Client:

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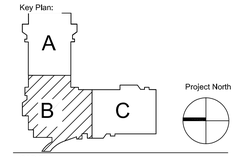
INTERIOR FIT-OUT

Number	Description	Date
	ISSUE FOR PERMIT	9/25/14
1	ISSUE FOR CONSTRUCTION	10/27/14

Key Plan:



CAD File:

Project No.: K2017800

Drawing Sheet Title:

SLAB REINFORCEMENT AND INFILL DETAILS

Drawing Sheet Number:

S-002

Owner's Drawing Sheet No.: