

PROJECT SUMMARY

THE SCOPE OF WORK PROPOSED UNDER THIS PERMIT INCLUDES ALL CONSTRUCTION NECESSARY FOR THE SHELL CONSTRUCTION OF A BUILDING (4,000 SQ.FT.) FOR BUSINESS OCCUPANCY. PLANS FOR CONSTRUCTION INCLUDE ALL STRUCTURAL COMPONENTS AND FINISHES THAT COMPRISE THE BUILDING ENVELOPE. PLANS ALSO INCLUDE THE NECESSARY UTILITY SUB-INS FOR SANITARY SEWER AND DOMESTIC WATER AND ELECTRICAL POWER. IT IS ANTICIPATED THAT THE TENANT INTERIOR FINISH-OUT WILL BE CONSTRUCTED SIMULTANEOUSLY, UNDER SEPARATE PERMIT. SAID PLANS AND CONSTRUCTION WILL INCLUDE PERMANENT POWER, EXIT/EMERGENCY LIGHTING, ETC.

UNDER THE TERMS OF THE LEASE WITH THE TENANT, THE LANDLORD WILL BE RESPONSIBLE FOR ADDITIONAL WORK INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF ROOFTOP HVAC UNITS. IN ORDER TO FULLY AND ACCURATELY DOCUMENT SUCH WORK, PLANS FOR THE TENANT INTERIOR FINISH-OUT MUST BE COMPLETED (CURRENTLY IN PRODUCTION BY OTHERS). UPON RECEIPT OF TENANT PLANS, REVISIONS WILL BE MADE TO THESE SHELL DOCUMENTS WHICH WILL FULLY DOCUMENT ALL LANDLORD RESPONSIBILITIES. ACCORDINGLY, REVISIONS WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. IT IS THE LANDLORD'S INTENT TO BEGIN THE PROCESS FOR REVIEW AND PERMIT OF THE SHELL DOCUMENTS PROVIDED HEREIN IN ORDER TO MEET OBLIGATIONS FOR DELIVERY OF THE BUILDING.

THE ABOVE-MENTIONED CONSTRUCTION DRAWINGS FOR STARBUCKS INTERIOR FINISH-OUT SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL AND PERMIT PRIOR TO CONSTRUCTION (BY OTHERS).

UNDER THE TERMS OF THE LEASE WITH THE TENANT, THE LANDLORD WILL BE RESPONSIBLE FOR ADDITIONAL WORK INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF ROOFTOP HVAC UNITS. IN ORDER TO FULLY AND ACCURATELY DOCUMENT SUCH WORK, PLANS FOR THE TENANT INTERIOR FINISH-OUT MUST BE COMPLETED (CURRENTLY IN PRODUCTION BY OTHERS). UPON RECEIPT OF TENANT PLANS, REVISIONS WILL BE MADE TO THESE SHELL DOCUMENTS WHICH WILL FULLY DOCUMENT ALL LANDLORD RESPONSIBILITIES. ACCORDINGLY, REVISIONS WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. IT IS THE LANDLORD'S INTENT TO BEGIN THE PROCESS FOR REVIEW AND PERMIT OF THE SHELL DOCUMENTS PROVIDED HEREIN IN ORDER TO MEET OBLIGATIONS FOR DELIVERY OF THE BUILDING.

PROJECT CODE DATA

FLORIDA PRODUCT DATA INDEX				
PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	FL. APPROVAL NO.	DATE APPROVED
PANEL WALLS	ALUM STOREFRONT	YKK AP AMERICA	FL-128662	04/19/22
PANEL WALLS	EXTERIOR INSULATION AND FINISH SYSTEM	DRYMT SYSTEMS INC.	FL-380841	02/21/22
PANEL WALLS	SIDING	NOBHA CORPORATION	FL-128751	12/19/21
EXTERIOR DOORS	ALUM ENTRANCES	YKK AP AMERICA	FL-128623	10/12/21
EXTERIOR DOORS	COMMERCIAL STEEL DOORS	CECO DOOR PRODUCTS	FL-4553-R13	12/10/20
ROOFING	SINGLE-PLY ROOFING SYSTEMS (R10)	HOLCOM SOLUTIONS & PRODUCTS	FL-10264-R17	06/05/23
STRUCTURAL COMPONENT	PRODUCT INTRODUCED AS A RESULT OF NEW TECH	CASIT-CRETE USA, INC.	FL-156814	08/12/21

THE PRODUCTS LISTED ABOVE ARE THE BASIS OF DESIGN

THE CONTRACTOR SHALL MAKE AVAILABLE TO THE BUILDING INSPECTOR DOCUMENTATION NECESSARY TO VERIFY THAT ALL COMPONENTS REQUIRING PRODUCT APPROVAL PER FS 563.842 ARE IN COMPLIANCE WITH PRODUCT APPROVAL INSTALLATION REQUIREMENTS

GENERAL NOTES

PERMIT NOTES

FINISH NOTES

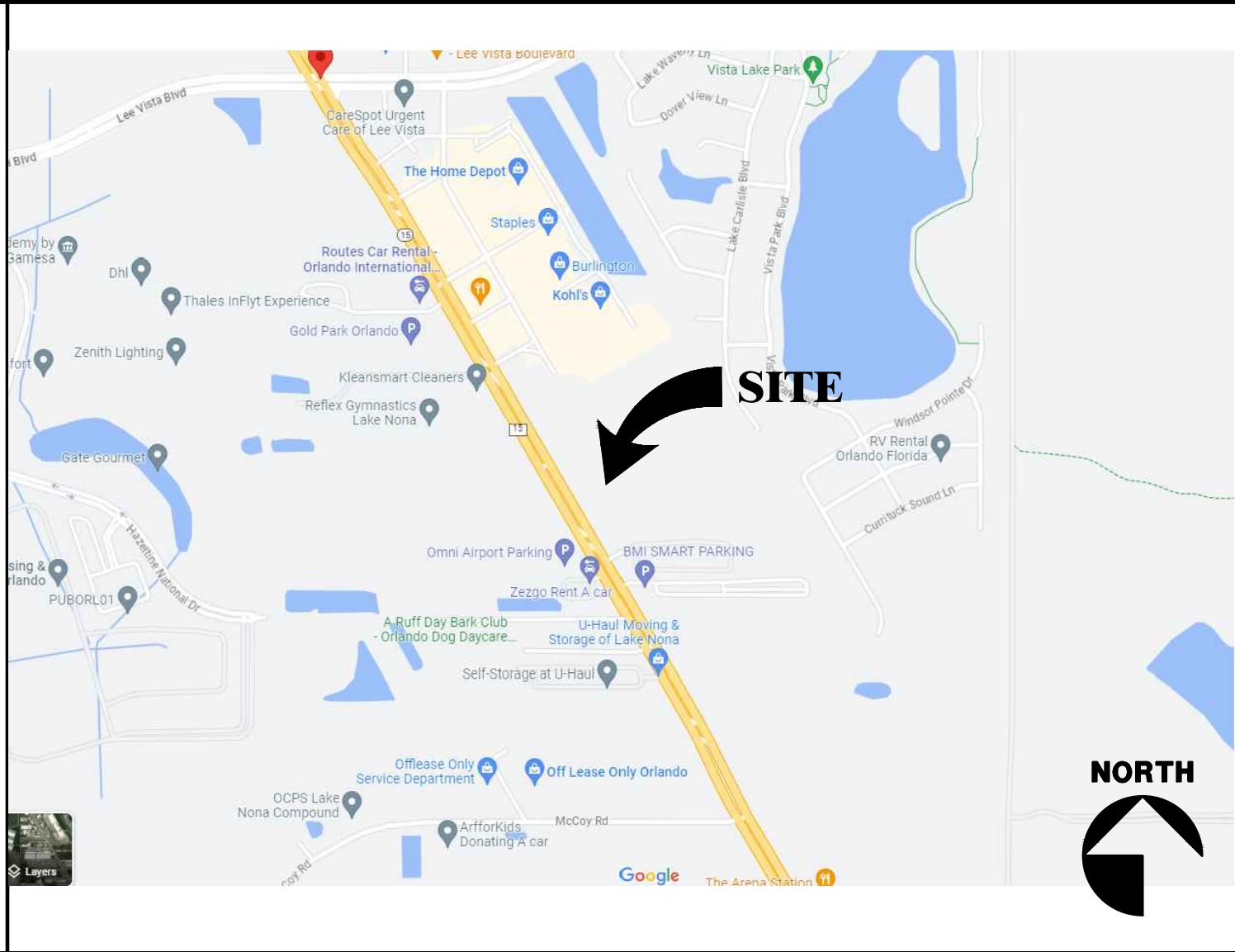
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PROJECT TEAM

WIND DESIGN CRITERIA

1. ULTIMATE WIND SPEED = 139 MPH (FBC FIGURE 1604.3(1))
2. WIND EXPOSURE "C"
3. BUILDING RISK CATEGORY II (PER FBC TABLE 1604.5)
4. INTERNAL PRESSURE COEFFICIENT
(G_{CPI}) = +/- 0.18, TOTALLY ENCLOSED
(PER ASCE 7-16)
5. COMPONENTS AND CLADDING - REFER TO STRUCTURAL DRAWINGS FOR WIND DESIGN CRITERIA

VICINITY MAP



DRAWING INDEX

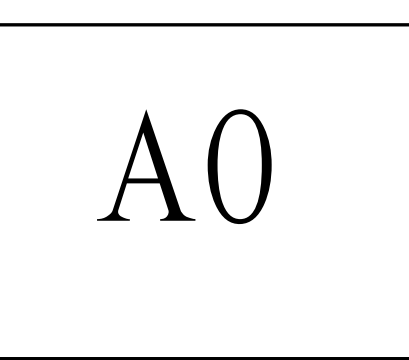
CIVIL
CIVIL AND LANDSCAPE DRAWINGS SUBMITTED UNDER SEPARATE PERMIT BY OTHERS

STRUCTURAL					
S0.1	STRUCTURAL NOTES				
S1.1	FOUNDATION PLAN				

MECHANICAL					
M1.0	MECHANICAL SPECIFICATIONS				
M2.0	MECHANICAL ROOF PLAN				

PLUMBING				
P1.0	PLUMBING NOTES AND SPECIFICATIONS			
P2.0	PLUMBING FLOOR PLAN			
P3.0	PLUMBING EQUIVALENCES, RISERS AND DETAILS			

EO.1	ELECTRICAL NOTES AND LEGEND				
EI.0	ELECTRICAL SITE PLAN				
EI.1	PHOTOMETRIC SITE PLAN				

[illegible][illegible]

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

KEYNOTE SCHEDULE		NOTES: A. NOTES PROVIDED ON THIS SHEET ARE ASSOCIATED WITH THE KEYNOTE SYMBOLS PROVIDED THROUGHOUT ALL SHEETS IN THE CONSTRUCTION DOCUMENTS B. NOTES PROVIDED ON THIS SHEET ARE A MASTER LIST. ALL NOTES MAY NOT APPLY TO THE CONSTRUCTION DOCUMENTS FOR THIS SPECIFIC PROJECT	
DIVISION 1 - GENERAL 1.10 ROOF PARAPET, SEE WALL SECTIONS AND ROOF DETAILS 1.20 BUILDING ELEMENT/CONSTRUCTION BEYOND 1.21 DASHED LINE INDICATES OUTLINE OF ROOF BEYOND OR ABOVE 1.22 RTU BEYOND, SEE ROOF PLAN 1.30 PARAPET BREAK FOR ROOF ACCESS, REFER TO ROOF PLAN 1.32 PARAPET RETURN ON ROOF, SEE ROOF PLAN AND EXTERIOR ELEVATIONS 1.40 BULKHEAD OR SOFFIT ABOVE, SEE REFLECTED CEILING PLAN AND/OR WALL SECTIONS 1.41 DASHED LINE INDICATES CANOPY OR AWNING ABOVE (OR BELOW AS APPLICABLE). REFER TO WALL SECTIONS AND EXTERIOR ELEVATIONS 1.42 OUTLINE OF RTU CURB ABOVE 1.50 LINE OF WALL BELOW 1.51 DASHED LINE INDICATES LOCATION OF ROOF JOIST FRAMING BELOW. REFER TO WALL SECTIONS AND STRUCTURAL DRAWINGS	DIVISION 2 - SITE CONSTRUCTION 2.01 PROPERTY OR LOT LINE, REFER TO CIVIL DRAWINGS 2.10 REFER TO CIVIL DRAWINGS FOR ALL PAVEMENT/SURFACING BEYOND BUILDING AND SIDEWALK INCLUDING ALL PAVEMENT MARKINGS, PARKING STRIPPING, HC GRAPHICS, CROSSWALKS AND DIRECTIONAL ARROWS 2.20 CONCRETE SIDEWALK, 4" THICK 3,000 PSI W/ 6 X 6, W1.4 X W1.4 W/M. PROVIDE 12" DEEP X 8" WIDE TURNED DOWN EDGE WITH (1) #5 REBAR CONTINUOUS AT PERIMETER. REFER TO ARCHITECTURAL SITE PLAN ON SHEET A5.1 FOR REQUIREMENTS 2.21 CONCRETE SIDEWALK, REFER TO SEE CIVIL DRAWINGS FOR EXTENTS 2.23 CONCRETE CURB, REFER TO CIVIL DRAWINGS FOR REQUIREMENTS 2.30 LANDSCAPE AREA, REFER TO CIVIL AND LANDSCAPE DRAWINGS 2.40 HANDICAP RAMP WITH 1:12 MAXIMUM SLOPE, REFER TO CIVIL DRAWINGS 2.42 EXPOSED AGGREGATE DETECTABLE WARNING SURFACE, LARGE AGGREGATE GRAVEL AASHTO #3 OR #57 2.50 HANDICAPPED PARKING SIGN, REFER TO CIVIL DRAWINGS 2.60 BIKE RACK, REFER TO CIVIL DRAWINGS 2.62 STEEL PIPE BOLLARD, 6" DIA. SCHEDULE 40 WITH GROUT FILL. PAINT TRAFFIC YELLOW UNLESS OTHERWISE NOTED. REFER TO DETAIL ON SHEET A5.2 2.80 TRANSFORMER ON CONCRETE PAD, REFER TO CIVIL AND ELECTRICAL DRAWINGS	DIVISION 3 - CONCRETE 3.03 PROVIDE SOLID CONCRETE FILL AT CMU CELLS BELOW FINISHED FLOOR (OR AS SHOWN) 3.10 CONTINUOUS CONCRETE FOOTING, REFER TO FOUNDATION PLAN AND DETAILS FOR REQUIREMENTS 3.20 CONCRETE FLOOR SLAB OVER 10 MIL VAPOR BARRIER AND CLEAN, COMPACT, TERMITES TREATED FILL. REFER TO STRUCTURAL FOUNDATION PLAN AND DETAILS FOR SLAB DEPTH, COMPRESSIVE CONCRETE STRENGTH AND REINFORCEMENT REQUIREMENTS 3.30 CAST-IN-PLACE CONCRETE BEAM, REFER TO STRUCTURAL DRAWINGS 3.31 CAST-IN-PLACE CONCRETE COLUMN, REFER TO STRUCTURAL DRAWINGS	DIVISION 4 - MASONRY 4.02 MASONRY CONTROL JOINT WITH BACKER ROD AND SEALANT. SEALANT TO MATCH ADJACENT MATERIAL. REFER TO EXTERIOR ELEVATIONS AND STRUCTURAL DRAWINGS 4.10 CONCRETE MASONRY UNIT (CMU), WIDTH AS INDICATED, REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT AND FILLED CELL LOCATIONS 4.12 PRECAST CONCRETE LINTEL, GROUT FILLED WITH GROUT FILLED KNOCK-OUT BLOCK ABOVE (AS APPLICABLE), REFER TO STRUCTURAL DRAWINGS EXACT CONFIGURATION AND REINFORCEMENT REQUIREMENTS 4.13 CMU KNOCK-OUT BLOCK BOND BEAM, GROUT FILLED. REFER TO STRUCTURAL DRAWINGS EXACT CONFIGURATION AND REINFORCEMENT REQUIREMENTS
DIVISION 5 - METALS 5.10 STEEL COLUMN, REFER TO STRUCTURAL DRAWINGS 5.12 STEEL ANGLE, REFER TO STRUCTURAL DRAWINGS 5.20 STEEL JOIST, REFER TO STRUCTURAL DRAWINGS 5.30 METAL ROOF OR FLOOR DECK, REFER TO STRUCTURAL DRAWINGS 5.40 METAL STUD FRAMING (WIDTH AS INDICATED), REFER TO STRUCTURAL DRAWINGS FOR GAUGE, SPACING AND CONNECTION DETAILS 5.42 METAL CLIP ANGLE, REFER TO STRUCTURAL DRAWINGS FOR SIZE, GAUGE AND FASTENING REQUIREMENTS 5.45 7/8" METAL HAT CHANNEL FURRING AT 16" O.C. (VERTICAL) 5.50 ROOF ACCESS LADDER WITH LOCKABLE SECURITY ENCLOSURE. REFER TO EXTERIOR ELEVATIONS AND DETAIL ON SHEET A5.2 5.70 18 GAUGE FLAT STOCK METAL FABRICATED TO WRAP OUTSIDE CORNER 5.80 VERTICAL WALL REINFORCEMENT IN GROUT FILLED CELL, TYP. REFER TO STRUCTURAL DRAWINGS	DIVISION 6 - WOOD AND PLASTICS 6.10 PT 2 X WOOD BLOCKING, BUCK OR DRAFT STOP 6.11 PT 1 X WOOD BLOCKING OR BUCK 6.12 PT WOOD SHIM AS REQUIRED 6.15 PT 2 X WOOD PLATE WITH 1/2" DIAMETER ANCHOR BOLTS (6" MINIMUM EMBEDMENT) AT 4'-0" O.C. MAXIMUM. IN LIEU OF SPECIFIED ANCHOR BOLT, 1/4" DIA. X 4" LONG TAPCONS STAGGERED AT 24" O.C. MAY BE PROVIDED FOR PLATE ATTACHMENT. FASTENERS SHALL BE PLACED MINIMUM 2 1/2" FROM EDGE OF WOOD PLATE 6.21 5/8" CDX PLYWOOD, REFER TO STRUCTURAL DRAWINGS AS REQUIRED	DIVISION 7 - THERMAL AND MOISTURE PROTECTION 7.03 PRE-FORMED JOINT FILLER (3/4" MAX.) CUT BACK EXCESS BELOW SLAB AND PROVIDE SEALANT BEAD, CONTINUOUS. DO NOT PLUG KEEP HOLES 7.04 PROVIDE ROOFTOP WALKWAY PADS AS SHOWN AND AROUND ALL ROOFTOP EQUIPMENT 7.08 SEALANT AND BACKER ROD, CONTINUOUS. SEALANT COLOR TO MATCH ADJACENT MATERIAL AS APPLICABLE 7.09 SEALANT BEAD, CONTINUOUS. SEALANT COLOR TO MATCH ADJACENT MATERIAL AS APPLICABLE 7.10 INSTALL CONTINUOUS SILL FLASHING TO SLAB EDGE AND TURN DOWN. PROVIDE FLASHING END CAPS AT JAMB TERMINATION. SET IN SEALANT 7.12 SINGLE-PLY ROOF MEMBRANE OVER (R-23) RIGID INSULATION, REFER TO SPECIFICATIONS 7.13 SINGLE-PLY ROOF MEMBRANE FULLY ADHERED TO REAR FACE OF PARAPET (OR CURB). EXTEND FROM TOP OF COUNTERFLASHING (OR ROOF AS APPLICABLE), OVER PARAPET AND TERMINATE BEHIND HOLD DOWN CLEAT 7.14 ROOFING MEMBRANE EDGE REINFORCEMENT 7.15 ROOFING MEMBRANE FLASHING STRIP OVER TPO COATED ROOF EDGE METAL 7.16 MANUFACTURER APPROVED PLATES FASTENED WITH MANUFACTURER APPROVED FASTENERS 7.18 HEAT WELDED SEAM AT SINGLE-PLY MEMBRANE 7.19 ROOFING SYSTEM TERMINATION BAR BETWEEN ROOF MEMBRANE AND WALL FINISH 7.30 PREFINISHED ALUMINUM DOWNSPOUT (SIZE AS INDICATED ON ROOF PLAN) WITH STRAPS AT 6'-0" O.C. MAXIMUM, REFER TO EXTERIOR ELEVATIONS, EXTERIOR FINISH SCHEDULE AND ROOF PLAN. WHERE APPLICABLE, EXTEND BELOW GRADE TO STORM SEWER PER CIVIL DRAWINGS AND PROVIDE CAST TRANSITION BOOT WITH CLEANOUT. J.R. HOE AND SONS A-STYLE. SEE DETAIL ON SHEET A5.1 7.32 PREFINISHED ALUMINUM CONDUCTOR HEAD, 16" WIDE X 12" HIGH X 10" DEEP. REFER TO ROOF PLAN AND DETAILS 7.33 PREFINISHED ALUMINUM SCUPPER / EMERGENCY OVERFLOW SCUPPER, 1'-4" W X 8" HIGH. REFER TO ROOF PLAN AND DETAILS 7.55 TAPERED INSULATION, WITH 1/2" PER FOOT MINIMUM SLOPE. PROVIDE AT LOCATIONS INDICATED INCLUDING ALL ROOF MOUNTED EQUIPMENT CURBS 7.59 PROVIDE CUSTOM, PREFINISHED ALUMINUM TRIM AT CMPS TERMINATION. COORDINATE WITH CMPS SUBCONTRACTOR 7.60 PROVIDE TYVEK COMMERCIAL WRAP AT FRAMED SUBSTRATES AND FLUID APPLIED TYVEK AT CMU BEHIND COMPOSITE WALL PANELS. LAP SHEETS AND FLASH OPENINGS PER MANUFACTURER'S INSTRUCTIONS 7.61 COMPOSITE WALL PANEL SYSTEM (CMPS), REFER TO EXTERIOR FINISH SCHEDULE AND SPECIFICATIONS 7.62 CMPS CORNER KEY TRIM, PAINTED. (PRE-FORMED CMPS CORNERS NOT ACCEPTABLE) 7.63 CMPS STARTER TRACK 7.64 CMPS CLIP 7.65 CMPS SPACER 7.69 PROVIDE CUSTOM ALUMINUM H MOLD TRIM, PAINTED. COORDINATE WITH CMPS SUBCONTRACTOR 7.70 PROVIDE CUSTOM ALUMINUM TRIM AT CMPS TERMINATION, PAINTED. COORDINATE WITH CMPS SUBCONTRACTOR 7.80 PREFINISHED 24 GA. ALUMINUM COPING, SLOPED TO FACILITATE DRAINAGE. SEE TYP. ROOF DETAILS. REFER TO EXTERIOR FINISH SCHEDULE FOR COLOR 7.81 PREFINISHED 24 GA. METAL DRIP EDGE / GRAVEL STOP (4" OR AS INDICATED). SET IN BED OF COMPATIBLE ROOF CEMENT AND AFFIX WITH CONTINUOUS HOLD DOWN CLEAT. PRIME COAT TOP PRIOR TO APPLICATION OF SINGLE-PLY FLASHING STRIP. REFER TO EXTERIOR FINISH SCHEDULE FOR COLOR 7.87 MECHANICAL FASTENER WITH NEOPRENE WASHER 7.88 FLASHING AT ROOF SIDE OF SCUPPER OPENING 7.98 PROVIDE (3) ONE INCH DIAMETER OVERFLOW HOLES	DIVISION 8 - DOORS AND WINDOWS 8.01 IN FLORIDA LOCATIONS, ALUMINUM STOREFRONT ENTRANCE SYSTEMS SHALL PER INSTALLED WITH ANCHORS AS STIPULATED IN THE MANUFACTURER'S FLORIDA PRODUCT APPROVAL DATA. REFER TO THE FLORIDA PRODUCT APPROVAL INDEX ON SHEET A0 FOR THE APPROPRIATE FLORIDA PRODUCT NUMBER 8.10 ALUMINUM STOREFRONT SYSTEM, REFER TO FRAME OPENING SCHEDULE AND EXTERIOR FINISH SCHEDULE 8.11 ALUMINUM STOREFRONT ENTRANCE SYSTEM, REFER TO FRAME OPENING SCHEDULE AND EXTERIOR FINISH SCHEDULE 8.20 HOLLOW METAL DOOR AND FRAME, REFER TO FRAME OPENING SCHEDULE. PROVIDE (3) JAMB ANCHORS PER SIDE 8.50 ADA COMPLIANT ALUMINUM THRESHOLD, 1/4" HIGH X 4" WIDE X FULL LENGTH OF OPENING. THRESHOLD SHALL HAVE BEVELED EDGES AND SHALL BE RIBBED. SET IN BED OF SEALANT 8.57 RAIN DRIP, REFER TO HARDWARE SCHEDULE
DIVISION 9 - FINISHES 9.08 CONTRACTOR SHALL PROVIDE AND INSTALL PARTITION WITH 6" 20 GA. METAL STUDS AT 16" O.C. AND 5/8" GMB EACH SIDE. EXTEND GMB TO 6" ABOVE HIGHEST ADJACENT CEILING. COORDINATE WITH TENANT BUILD OUT PLANS 9.14 PROVIDE 5/8" GMB OVER 1 1/2" *2" FURRING AT 16" O.C. (VERTICAL) W/ 1 1/2" RIGID INSULATION FROM FINISHED FLOOR TO ROOF DECK AT ALL PERIMETER CMU WALLS, U.O.N. 9.20 5/8" GYPSUM WALLBOARD (GWB), MOISTURE RESISTANT IS REQUIRED AT ALL PLUMBING WALLS 9.40 ACRYLIC (EIFS) FINISH COAT OVER 3/4" PORTLAND CEMENT BASE OVER CMU. REFER TO EXTERIOR ELEVATIONS AND EXTERIOR FINISH SCHEDULE FOR TEXTURE AND COLOR REQUIREMENTS 9.41 ACRYLIC (EIFS) FINISH COAT OVER 3/4" PORTLAND CEMENT BASE OVER PAPER BACKED GALVANIZED WIRE LATH OVER 'TYVEK' BUILDING WRAP ALL OVER 5/8" CDX PLYWOOD SHEATHING. REFER TO EXTERIOR ELEVATIONS AND EXTERIOR FINISH SCHEDULE FOR TEXTURE AND COLOR REQUIREMENTS 9.42 ACRYLIC DIRECT APPLIED EXTERIOR FINISH SYSTEM (DEFS) OVER 5/8" DENS GLASS SHEATHING OR CMU 9.44 CONTROL JOINT IN CEMENT PLASTER, "W" SHAPE. 'CLARK DIETRICH BUILDING SYSTEMS' #15 ZINC DOUBLE-V CONTROL JOINT WITH EXPANDED WIRE MESH FLANGES 9.46 GMB OR CEMENT PLASTER CORNER BEAD, CONTINUOUS 9.47 GMB OR CEMENT PLASTER "J" MOLD, CONTINUOUS. PROVIDE FINISH TO MATCH WALL OR CEILING SURFACE 9.49 CEMENT PLASTER FOUNDATION WEEP SCREED, CONTINUOUS. 9.52 EXPOSED STRUCTURE, NO CEILING REQUIRED	DIVISION 10 - SPECIALITIES 10.05 TENANT ADDRESS/SPACE NUMBER. PROVIDE MIN. 6" HIGH NUMBERS (IN CONTRASTING COLOR TO BACKGROUND) SO THAT NUMBERS ARE PLAINLY VISIBLE FROM THE STREET. REFER TO NOTES ON SHEET A5.0 10.10 WALL SIGN LOCATION. SIGN TO BE PERMITTED AND INSTALLED BY TENANT'S SIGN VENDOR. SHELL G.C. SHALL REFER TO ELECTRICAL FOR POWER REQUIREMENTS. PROVIDE 5/8" CDX PLYWOOD SHEATHING IN LIEU OF DENSGLASS SHEATHING WHERE APPLICABLE AT SIGN LOCATIONS. RUN ALL CONDUIT TIGHT TO ROOF STRUCTURE. SEAL ALL WALL PENETRATIONS 10.50 KNOX BOX, RECESS MOUNTED. COORDINATE EXACT MODEL AND MOUNTING LOCATION WITH FIRE MARSHAL 10.60 FIRE EXTINGUISHER, 5LB 2A-10B:C WITH SURFACE MOUNTED WALL BRACKET	DIVISION 11 - EQUIPMENT 11.01 DUMPSTER ENCLOSURE, SEE CIVIL DRAWINGS AND DETAILS ON SHEET A5.2	DIVISION 12 - SPECIAL CONSTRUCTION 13.20 ALUMINUM FRAMED AWNING WITH FABRIC COVERING. SEE DETAILS ON SHEET A1.3 AND EXTERIOR FINISH SCHEDULE 13.22 PRE-ENGINEERED SUSPENDED ALUMINUM CANOPY. PREFINISHED. SEE DETAILS ON SHEET A1.3 13.30 ALUMINUM TUBE AWNING FRAME, 1 1/2" X 1 1/2". REFER TO DETAIL ON SHEET A1.3 AND EXTERIOR FINISH SCHEDULE 13.31 PROVIDE WELDED ALUMINUM CAP PLATE AT ENDS OF ALL ALUMINUM TUBE COMPONENTS 13.32 AWNING ATTACHMENT TO WALL (INCLUDING FASTENERS AND INTERNAL WALL BLOCKING SHALL BE SPECIFIED IN THE AWNING FABRICATOR'S ENGINEERED SHOP DRAWINGS. SEE NOTES AND DETAILS ON SHEET A1.3 13.33 NEOPRENE COMPRESSIBLE GASKET BETWEEN AWNING FRAME AND WALL PROVIDED AND INSTALLED BY AWNING INSTALLER
DIVISION 13 - MECHANICAL 15.10 ROOFTOP HVAC UNIT AND CURB. SEE ROOF PLAN, MECHANICAL AND STRUCTURAL DRAWINGS. REFER TO CURB DETAIL ON SHEET A1.2A. ALL RTU'S TO BE LOCATED 10'-0" MINIMUM FROM PARAPET WALLS. COORDINATE RTU LOCATIONS WITH ROOF FRAMING PLAN (EXACT LOCATIONS MAY BE SHIFTED TO ALIGN WITH STEEL JOIST LAYOUT) 15.50 VENT THRU ROOF (VTR), REFER TO PLUMBING DRAWINGS AND DETAIL ON SHEET A1.2A. LOCATE VTR SO 15'-0" MINIMUM FROM RTU FRESH AIR INTAKES. COORDINATE IN FIELD 15.64 PROVIDE RECESSED, FROST-FREE HOSE BIBB IN KEYED BOX. REFER TO PLUMBING DRAWINGS. VERIFY LOCATION WITH STARBUCKS REPRESENTATIVE PRIOR TO ROUGH-IN	DIVISION 14 - ELECTRICAL 16.10 LOCATION OF ELECTRIC SERVICE, HOUSE PANEL, AND TELEPHONE/CABLE CABINETS. REFER TO ELECTRICAL DRAWINGS. WHERE APPLICABLE, PROVIDE 5/8" CDX PLYWOOD SHEATHING IN LIEU OF DENSGLASS SHEATHING. PAINT ALL EQUIPMENT AND CONDUIT TO MATCH ADJACENT WALL COLOR 16.20 ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS. WHERE APPLICABLE, CONFIRM PLACEMENT WITH TENANT REPRESENTATIVE 16.30 WALL PACK LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.31 DECORATIVE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.32 RECESS MOUNTED EXTERIOR DOWN LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.33 EMERGENCY LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.34 EXIT SIGN / EMERGENCY LIGHT COMBINATION FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.39 TEMPORARY STRIP LIGHTING, REFER TO ELECTRICAL DRAWINGS 16.41 RECESSED CAN LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.50 POLE MOUNTED SITE LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS. COORDINATE INSTALLATION WITH CIVIL DRAWINGS	DIVISION 15 - ELECTRICAL 16.10 LOCATION OF ELECTRIC SERVICE, HOUSE PANEL, AND TELEPHONE/CABLE CABINETS. REFER TO ELECTRICAL DRAWINGS. WHERE APPLICABLE, PROVIDE 5/8" CDX PLYWOOD SHEATHING IN LIEU OF DENSGLASS SHEATHING. PAINT ALL EQUIPMENT AND CONDUIT TO MATCH ADJACENT WALL COLOR 16.20 ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS. WHERE APPLICABLE, CONFIRM PLACEMENT WITH TENANT REPRESENTATIVE 16.30 WALL PACK LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.31 DECORATIVE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.32 RECESS MOUNTED EXTERIOR DOWN LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.33 EMERGENCY LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.34 EXIT SIGN / EMERGENCY LIGHT COMBINATION FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.39 TEMPORARY STRIP LIGHTING, REFER TO ELECTRICAL DRAWINGS 16.41 RECESSED CAN LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.50 POLE MOUNTED SITE LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS. COORDINATE INSTALLATION WITH CIVIL DRAWINGS	DIVISION 16 - ELECTRICAL 16.10 LOCATION OF ELECTRIC SERVICE, HOUSE PANEL, AND TELEPHONE/CABLE CABINETS. REFER TO ELECTRICAL DRAWINGS. WHERE APPLICABLE, PROVIDE 5/8" CDX PLYWOOD SHEATHING IN LIEU OF DENSGLASS SHEATHING. PAINT ALL EQUIPMENT AND CONDUIT TO MATCH ADJACENT WALL COLOR 16.20 ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS. WHERE APPLICABLE, CONFIRM PLACEMENT WITH TENANT REPRESENTATIVE 16.30 WALL PACK LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.31 DECORATIVE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.32 RECESS MOUNTED EXTERIOR DOWN LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.33 EMERGENCY LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.34 EXIT SIGN / EMERGENCY LIGHT COMBINATION FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.39 TEMPORARY STRIP LIGHTING, REFER TO ELECTRICAL DRAWINGS 16.41 RECESSED CAN LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS 16.50 POLE MOUNTED SITE LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS. COORDINATE INSTALLATION WITH CIVIL DRAWINGS



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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323

					revision descriptions
					date
					no.

DENTAL OFFICE
SHELL CONSTRUCTION

7606 MARCOOSSEE ROAD
ORLANDO, FL

08.25.2023
date
23033
comm. no.

KEYNOTE
SCHEDULE

A0.4

SHOP DRAWING SUBMITTAL REQUIREMENTS

●	DIVISION 02 – SITE WORK	●	DIVISION 5 – METALS	●	ROOFING	●	DIVISION 9 – FINISHES
●	TERMITE TREATMENT	●	REBAR (SEE CONCRETE AND MASONRY)	●	ROOFING SYSTEM AS SPECIFIED		EXTERIOR INSULATED FINISH SYSTEM
	PRODUCT DATA OF REGISTERED TERMICIDES	●	STRUCTURAL STEEL		FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION		FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION (EXTERIOR APPLICATION)
	CERTIFICATE OF COMPLIANCE		SHOP DRAWINGS		APPROVED FOR USE OUTSIDE HVHZ		APPROVED FOR USE OUTSIDE HVHZ
	SUBMIT TO BUILDING DEPARTMENT UPON COMPLETION		ANCHOR BOLTS LAYOUT		APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)		APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
	CONTAINS REQUIRED STATEMENT PER FBC 1016.1		STEEL ERECTION AND FABRICATION DRAWINGS		PRODUCT DATA / CUT SHEETS WITH REQUIRED ACCESSORIES		PRODUCT DATA / CUT SHEETS WITH ALL REQUIRED ACCESSORIES
	PATIO RAILING		TEST REPORT AND CERTIFICATES		ASPHALT SHINGLES		SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS
	PRODUCT DATA AND CUT SHEETS		WELDER QUALIFICATIONS		ROOF TILES		COLOR SELECTION CHART (IF NOT AS SPECIFIED)
	DETAILS	●	MILL ANALYSIS AND TEST REPORTS		ARCHITECTURAL STANDING SEAM		SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)
	SAMPLES (ONLY WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)		METAL JOISTS		STRUCTURAL SEAMED METAL	●	STUCCO
	PATIO PAVERS		ERECTION PLANS AND DETAILS		MEMBRANE ROOFING		PRODUCT DATA / CUT SHEETS WITH ALL REQUIRED ACCESSORIES
	PRODUCT DATA AND CUT SHEETS		METAL DECK		BUILT – UP		DIRECT APPLIED TO CONCRETE BLOCK
	DETAILS		PRODUCT DATA / CUT SHEETS		SINGLE – PLY MEMBRANE		STUCCO CEMENT
	SAMPLES (ONLY WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)		LAYOUT / ERECTION SHOP DRAWINGS		SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS		FIBER REINFORCEMENT
●	BIKE RACK (COORDINATE WITH CIVIL)	●	COLD FORMED / LIGHT GAGE STEEL FRAMING		KEY PLAN		BONDING AGENT
	PRODUCT DATA AND CUT SHEETS		PRODUCT DATA / CUT SHEETS		TERMINATION / TIE – IN DETAILS TO ADJACENT CONSTRUCTION		VINYL ACCESSORIES AND WEEP SCREED
	DETAILS		ENGINEERED SHOP DRAWINGS		TAPER INSULATION PLAN WITH DETAILS INDICATING SLOPE		ACRYLIC DPR FINISH
●	DOWNSPOUT TRANSITION BOOT		SIGNED AND SEALED ERECTION PLANS W / DETAILS		LAYOUT FOR WALKWAY PADS		COLOR SELECTION CHART (IF NOT AS SPECIFIED)
	PRODUCT DATA AND CUT SHEETS		SIGNED AND SEALED CALCULATIONS		COLOR SELECTION CHART		OVER LATH (FRAMED CONSTRUCTION)
			MISCELLANEOUS METAL FABRICATIONS		SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)		STUCCO CEMENT
	DIVISION 03 – CONCRETE		STEEL STAIRS AND RAILINGS		SAMPLE WARRANTY		FIBER REINFORCEMENT
	REINFORCING SHOP DRAWINGS		ENGINEERED SHOP DRAWINGS		15 YEAR NDL		PAPER BACKED METAL LATH
	SHORING PLAN (IF APPLICABLE)		SIGNED AND SEALED ERECTION PLANS W / DETAILS		20 YEAR NDL		VINYL ACCESSORIES AND WEEP SCREED
●	MIX DESIGN		GROUTING PLANS (IF ANCHORING TO CMU)	●	FLASHING AND SHEET METAL		ACRYLIC DPR FINISH
	INDEX WITH MIX CODE AND DESCRIPTION		SIGNED AND SEALED CALCULATIONS		FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION		COLOR SELECTION CHART (IF NOT AS SPECIFIED)
	ACI STATISTICAL ANALYSIS AND TEST REPORTS		LADDERS		APPROVED FOR USE OUTSIDE HVHZ	●	EXTERIOR PAINTING
	AGENTS AND ADMIXTURES PRODUCT DATA		SHOP DRAWINGS W / DETAILS		APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)		SCHEDULE
	FIBER REINFORCEMENT PRODUCT DATA		ELEVATOR ACCESS		APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)		SAMPLES (ONLY WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
●	CONCRETE ACCESSORIES		ELEVATOR PIT		PRODUCT DATA / CUT SHEET – MANUFACTURED PRODUCTS		EXTERIOR SHEATHING
	VAPOR BARRIER		ELEVATOR SUMP PIT COVERS		SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS TO INCLUDE BUT NOT LIMITED TO:		PRODUCT DATA AND CUT SHEETS
	WATER STOP		SHOP DRAWINGS W / DETAILS		FLASHING AND COUNTERFLASHING		INTERIOR FLOOR AND WALL FINISHES
	FIBER EXPANSION JOINT		GATES FOR DUMPSTER ENCLOSURE		COPING CAP AND EDGE METAL / GRAVEL STOPS FASCIA		PRODUCT DATA AND CUT SHEETS
	BOND BREAKER		SHOP DRAWINGS W / DETAILS		SCUPPER, EMERGENCY OVERFLOW AND DOWNSPOUTS		SAMPLES (ONLY WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
	EVAPORATION RETARDER		STEEL PIPE BOLLARDS		GUTTER AND DOWNSPOUTS		
	CURING COMPOUND		SHOP DRAWINGS W / DETAILS		ROOF SPECIALTIES		DIVISION 10 – SPECIALTIES
	NON-SHRINK GROUT				FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION	●	CANOPIES AND AWNINGS
	PATCHING MATERIAL		DIVISION 06 – WOOD AND PLASTIC		APPROVED FOR USE OUTSIDE HVHZ		PRODUCT DATA AND CUT SHEETS
	BONDING AGENT		WOOD TRUSSES		APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)		PROJECT SPECIFIC DETAILS
	EPOXY ADHESIVE		SIGNED AND SEALED ENGINEERED SHOP DRAWINGS		PRODUCT DATA / CUT SHEET – MANUFACTURED PRODUCTS		ENGINEERING CERTIFICATION
	DOWELS		SIGNED AND SEALED CALCULATIONS		ROOF ACCESS HATCH		SAMPLES (ONLY WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
	WIRE MESH		PLYWOOD AND WOOD BLOCKING		ROOF ACCESS EXTENSION POLE		GREEN SCREEN
	REINFORCING SUPPORTS		PRODUCT DATA / CUT SHEETS		ROOF EXPANSION ASSEMBLIES		PRODUCT DATA AND CUT SHEETS
	PRODUCT DATA AND CUT SHEETS		EXTERIOR PRESSURE TREATED		SOFFIT PANELS		CONFIRMATION OF COLORS OR MATERIALS
●	PRECAST CONCRETE LINTELS		EXTERIOR FIRE TREATED		MANUFACTURED SOFFIT PANELS AS SPECIFIED		TOILET ACCESSORIES
	PRODUCT DATA AND CUT SHEETS		INTERIOR FIRE TREATED	●	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION		PRODUCT DATA AND CUT SHEETS
	ARCHITECTURAL PRECAST CONCRETE		MILLWORK / CABINETRY		APPROVED FOR USE OUTSIDE HVHZ		
	PROJECT SPECIFIC DETAILS		FABRICATION SHOP DRAWINGS		APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)		DIVISIONS 11 – 13 – NOT USED
	PRODUCT DATA AND CUT SHEETS		FINISH AND COLOR SELECTION CHARTS		PRODUCT DATA / CUT SHEETS WITH ALL REQUIRED ACCESSORIES		DIVISION 14 – CONVEYING SYSTEMS
			SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)		SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS		ELEVATORS
					COLOR SELECTION CHART		PRODUCT DATA AND CUT SHEETS
					SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)		PROJECT SPECIFIC DETAILS
●	DIVISION 4 – MASONRY		DIVISION 7 – THERMAL AND MOISTURE PROTECTION	●	JOINT SEALANTS		DIVISION 15 – MECHANICAL / PLUMBING
	CONCRETE MASONRY UNITS	●	TYPE OF AIR AND WATER – RESISTIVE BARRIER AS SPECIFIED		TYPE AND LOCATIONS AS SPECIFIED		PACKAGED ROOFTOP UNITS
	REINFORCING SHOP DRAWINGS		PRODUCT DATA / CUT SHEETS TO INCLUDE ALL REQUIRED ACCESSORY PRODUCTS		PRODUCT DATA / CUT SHEETS		PRODUCT DATA AND CUT SHEETS
	GROUT MIX DESIGN		VAPOR IMPERMEABLE AWB		COLOR SELECTION CHART	●	WARRANTY INFORMATION
	ANALYSIS AND TEST REPORTS		HOT, HUMID CLIMATE (ZONE 1 AND 2)				PRODUCT DATA AND CUT SHEETS
	AGENTS AND ADMIXTURES		FRAMED CONSTRUCTION – SHEET OR FLUID APPLIED		DIVISION 8 – DOORS AND WINDOWS	●	EQUIPMENT CURBS
	SPLIT FACE CERTIFICATION AND TEST REPORTS		CONCRETE OR CMU BACKUP – FLUID APPLIED		DOORS, FRAMES AND FINISH HARDWARE		PRODUCT DATA AND CUT SHEETS
	STANDARD LOAD BEARING UNITS CERTIFICATION AND TEST REPORTS		VAPOR PERMEABLE AWB	●	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION		EXHAUST FANS
	CMU ACCESSORIES PRODUCT DATA		HOT, HUMID CLIMATE (ZONE 1 AND 2; INTERIOR SURFACES MUST NOT ACT AS VAPOR RETARDER)		APPROVED FOR USE OUTSIDE HVHZ		PRODUCT DATA AND CUT SHEETS
	TRUSS/LADDER REINFORCING		FRAMED CONST. (AS LONG AS INT. SURFACES DO NOT ACT AS VAP. RET. – SHT OR FLUID APP.		APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)	●	DUCTWORK
	WITH ADJUSTABLE BRICK TIE (WHEN REQUIRED)		CONCRETE OR CMU BACKUP – FLUID APPLIED		SCHEDULE		PRODUCT DATA AND CUT SHEETS
	MORTAR MIX		MIXED CLIMATE (ZONE 3 AND 4)		OPENINGS SCHEDULE		AIR DEVICES
	MORTAR COLOR CHART (IF NOT SPECIFIED WHEN USED WITH INTEGRAL COLOR CMU)		FRAMED (NO VAPOR RETARDER INSIDE) – SHEET OR FLUID APPLIED		FINISH HARDWARE SCHEDULE		PRODUCT DATA AND CUT SHEETS
	PRECAST LINTEL		CONCRETE OR CMU (NO VAPOR RETARDER INSIDE) – FLUID APPLIED	●	PRODUCT DATA / CUT SHEETS		PLUMBING FIXTURES
	ADJUSTABLE DOVETAIL ANCHORS (MASONRY TO CONCRETE)		COLD NORTHERN CLIMATE (ZONE 5+ OR HIGH MOISTURE LOADED BUILDINGS)		ACCESS DOORS AND PANELS	●	PRODUCT DATA AND ACCESSORIES
	STANDARD BRICK VENEER		FRAMED (VAPOR RETARDER INSIDE) – SHEET OR FLUID APPLIED		FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION (EXTERIOR APPLICATION)	●	PIPING MATERIAL AND ACCESSORIES
	PRODUCT DATA		CONCRETE OR CMU (VAPOR RETARDER INSIDE) – FLUID APPLIED		APPROVED FOR USE OUTSIDE HVHZ		PRODUCT DATA AND CUT SHEETS
	SAMPLES (WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)		JOB SPECIFIC DETAILS AND MANUFACTURERS STANDARD DETAILS		APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)	●	BOOSTER PUMP
	ACCESSORIES PRODUCT DATA		SAMPLE WARRANTY		PRODUCT DATA / CUT SHEETS		PRODUCT DATA AND CUT SHEETS
	BRICK TIE (STANDARD BRICK VENEER)		DAMPPOOFING AND WATERPROOFING	●	ENTRANCES AND STOREFRONTS		ROOF DRAINS
	NON-INSULATED CAVITY		BELOW OR ABOVE GRADE PRODUCTS AS SPECIFIED (ABOVE GRADE IF AIR BARRIER NOT REQUIRED)		FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION (EXTERIOR APPLICATION)		PRODUCT DATA AND CUT SHEETS
	DW-10 ADJUSTABLE – CMU, METAL OR WOOD STUD BACKUP		PRODUCT DATA/ CUT SHEETS TO INCLUDE ALL REQUIRED ACCESSORY PRODUCTS		APPROVED FOR USE OUTSIDE HVHZ		DIVISION 16 – ELECTRICAL
	150 TRUSS BOX – MESH (NON-ADJUSTABLE) – CMU BACKUP		DAMPPOOFING		APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)	●	SITE LIGHTING
	305 DOVETAIL SLOT W / FLEXIBLE DOVETAIL TIE – CONCRETE		FLUID – APPLIED		PRODUCT DATA / CUT SHEETS		PRODUCT DATA AND CUT SHEETS
	INSULATED CAVITY		WATERPROOFING (NON-HYDROSTATIC CONDITION)		SYSTEM PRODUCT DATA	●	LIGHT POLE CUT SHEET AND ENGINEERING
	HB 213 ADJUSTABLE – METAL AND WOOD STUD BACKUP		FLUID – APPLIED WATERPROOFING		GLAZING PRODUCT DATA / PERFORMANCE CUT SHEET	●	BUILDING LIGHTING
	170 ADJUSTABLE TRUSS – CMU BACKUP		CEMENTITIOUS WATERPROOFING		SEALANT PRODUCT DATA		PRODUCT DATA AND CUT SHEETS
	305 DOVETAIL SLOT W / FLEXIBLE DOVETAIL TIE – CONCRETE		BENTONITE WATERPROOFING		ALUMINUM TO ALUMINUM	●	LIGHTING CONTROLS
	MORTAR MIX		SHEET WATERPROOFING		GLAZING TO ALUMINUM		PRODUCT DATA AND CUT SHEETS
	MORTAR COLOR CHART (IF NOT SPECIFIED)		WATERPROOFING (HYDROSTATIC CONDITION W / HEAD PRESSURE)		ALUMINUM TO SUBSTRATE	●	ELECTRICAL DEVICES SENSORS
	THROUGH WALL FLASHING & ACCESSORIES		SHEET WATERPROOFING		SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS TO INCLUDE GLAZING SCHEDULE		PRODUCT DATA AND CUT SHEETS
	FLEXIBLE MEMBRANE FLASHING		JOB SPECIFIC DETAILS AND MANUFACTURER STANDARD DETAILS		FINISH HARDWARE SCHEDULE	●	ELECTRICAL GEAR
	METAL DRIP EDGE		SAMPLE WARRANTY		COLOR SELECTION CHART		PRODUCT DATA AND CUT SHEETS
	TERMINATION BAR		THERMAL PROTECTION		SAMPLES FOR VERIFICATION	●	ELECTRICAL SYSTEMS
	MORTAR NET		THERMAL INSULATION TYPE AS SCHEDULED		WINDOWS		PRODUCT DATA AND CUT SHEETS
	WEEP VENT		PRODUCT DATA/ CUT SHEETS TO INCLUDE ALL REQUIRED ACCESSORIES		FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION (EXTERIOR APPLICATION)		
	THIN BRICK		FIBERGLASS		APPROVED FOR USE OUTSIDE HVHZ		
	PRODUCT DATA		MINERAL WOOL		APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)		
	SAMPLES (WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)		CELLULOSE		PRODUCT DATA / CUT SHEETS		
	THIN BRICK ACCESSORIES		POLYURETHANE FOAM (XPS)		SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS		
	THIN SET MORTAR		POLYSTYRENE (EPS)		COLOR SELECTION CHART		
	MORTAR COLOR CHART (IF NOT SPECIFIED)		SPRAY POLYURETHANE FOAM		SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)		
	WEEP SCREED	●	COMPOSITE WALL PANEL SYSTEM / SIDING				
	MANUFACTURED STONE		FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION				
	PRODUCT DATA		APPROVED FOR USE OUTSIDE HVHZ				
	SAMPLES (WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)		APPROVED FOR IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)				
	CULTURED STONE ACCESSORIES		PRODUCT DATA / CUT SHEET WITH ALL REQUIRED ACCESSORIES				
	MORTAR MIX		NICHHA				
	MORTAR COLOR CHART (IF NOT SPECIFIED)		HARDIE SIDING				
	LATH		ACM				
	GALVANIZED METAL LATH – CMU BACKUP		SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS				
	PAPER BACKED METAL LATH – STEEL OR WOOD STUD BACKUP		COLOR SELECTION CHART				
			SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)				
			SAMPLE WARRANTY				



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7606 NARCOOSSEE ROAD
ORLANDO, FL

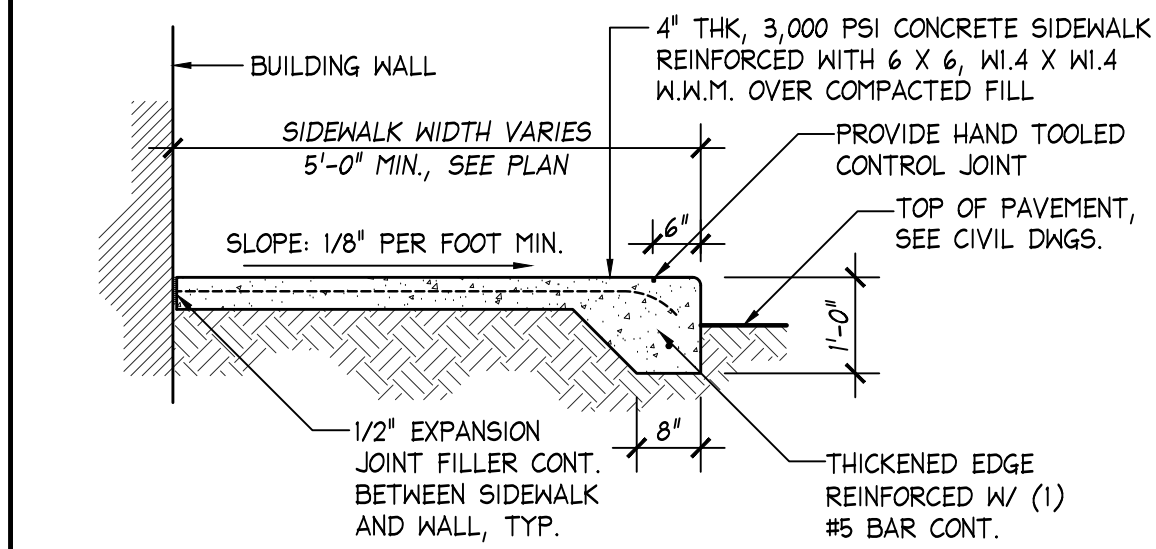
08.25.2023
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REQUIRED SUBMITTALS

A0.5

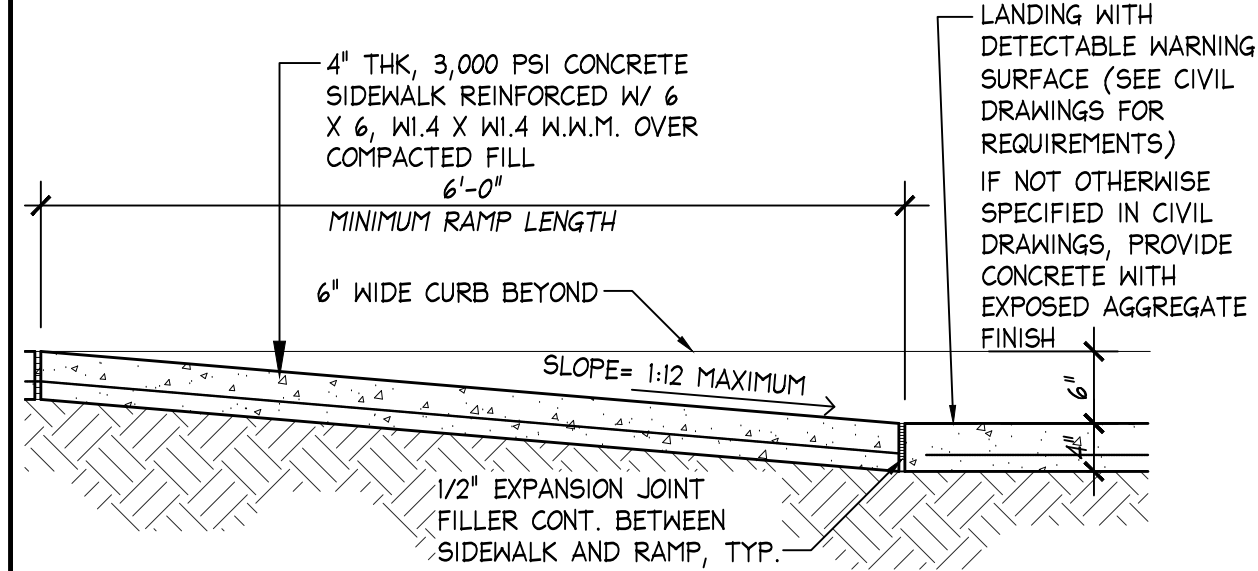


AS.1



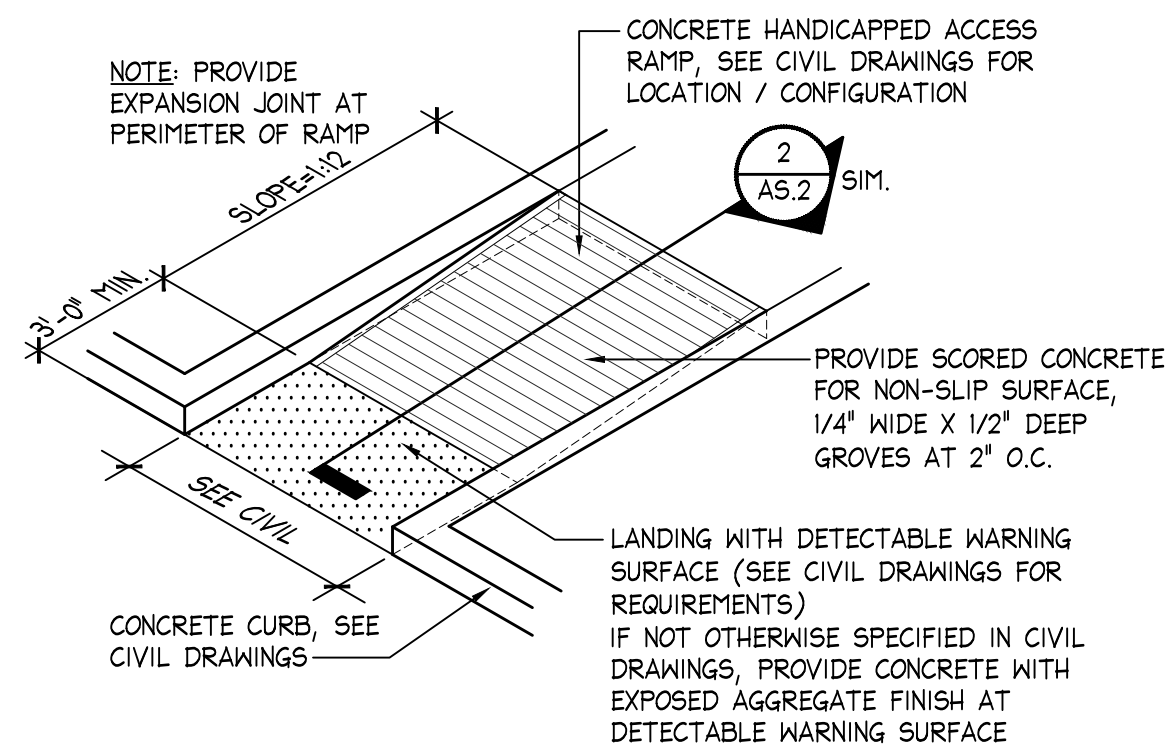
1 CONCRETE SIDEWALK SECTION

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



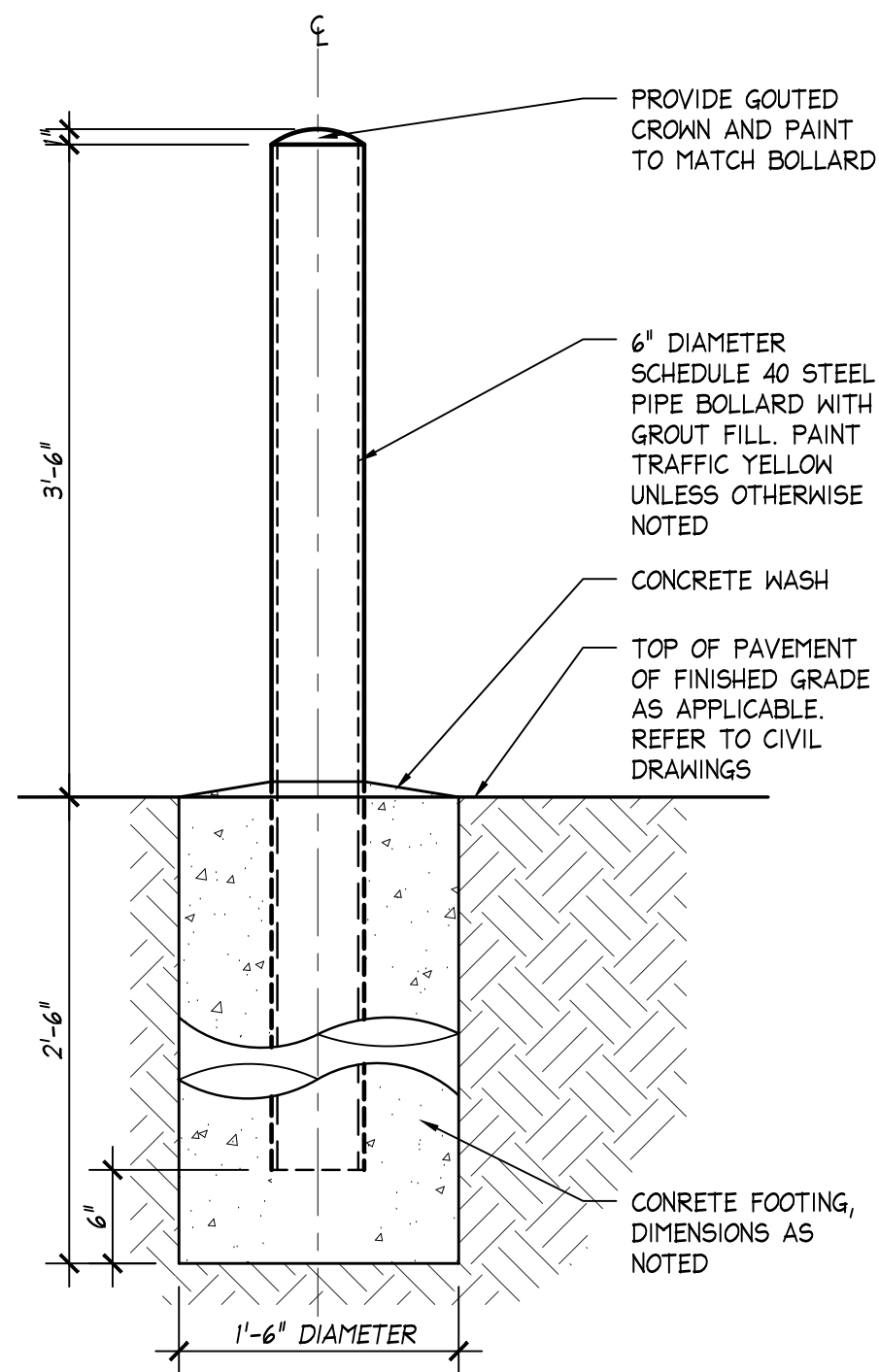
2 HANDICAP RAMP SECTION

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



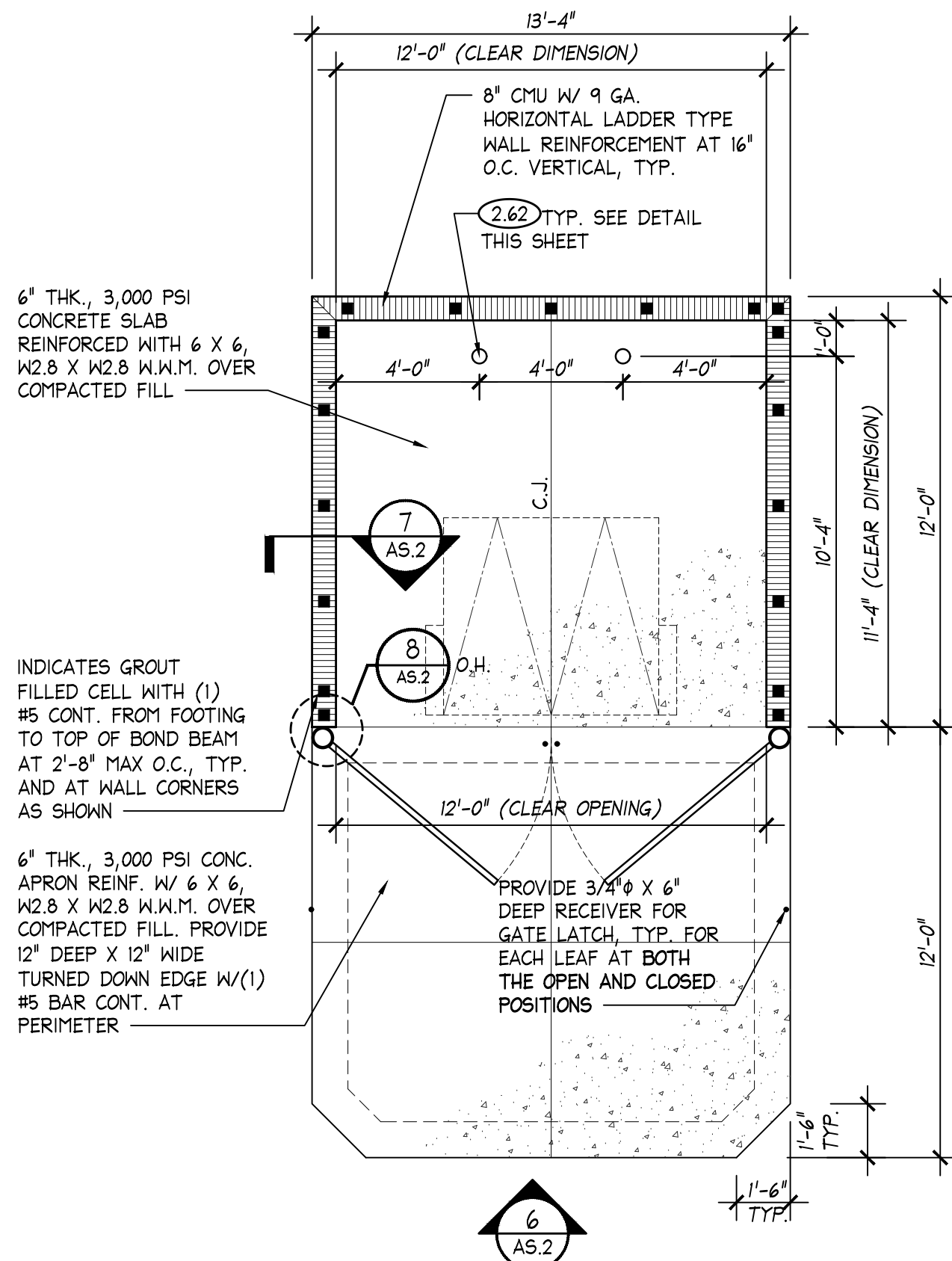
3 HANDICAP RAMP SECTION

NOT TO SCALE



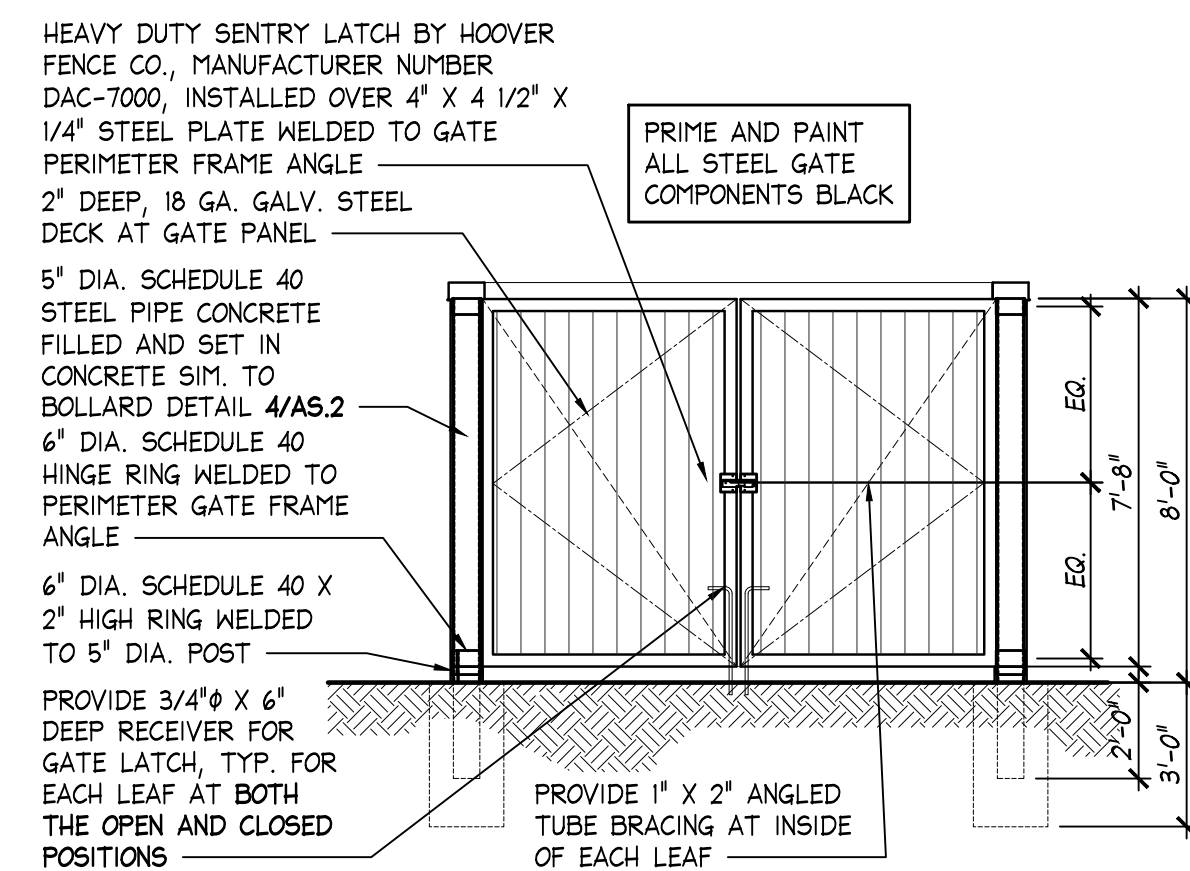
4 BOLLARD DETAIL

SCALE: 1" = 1'-0"



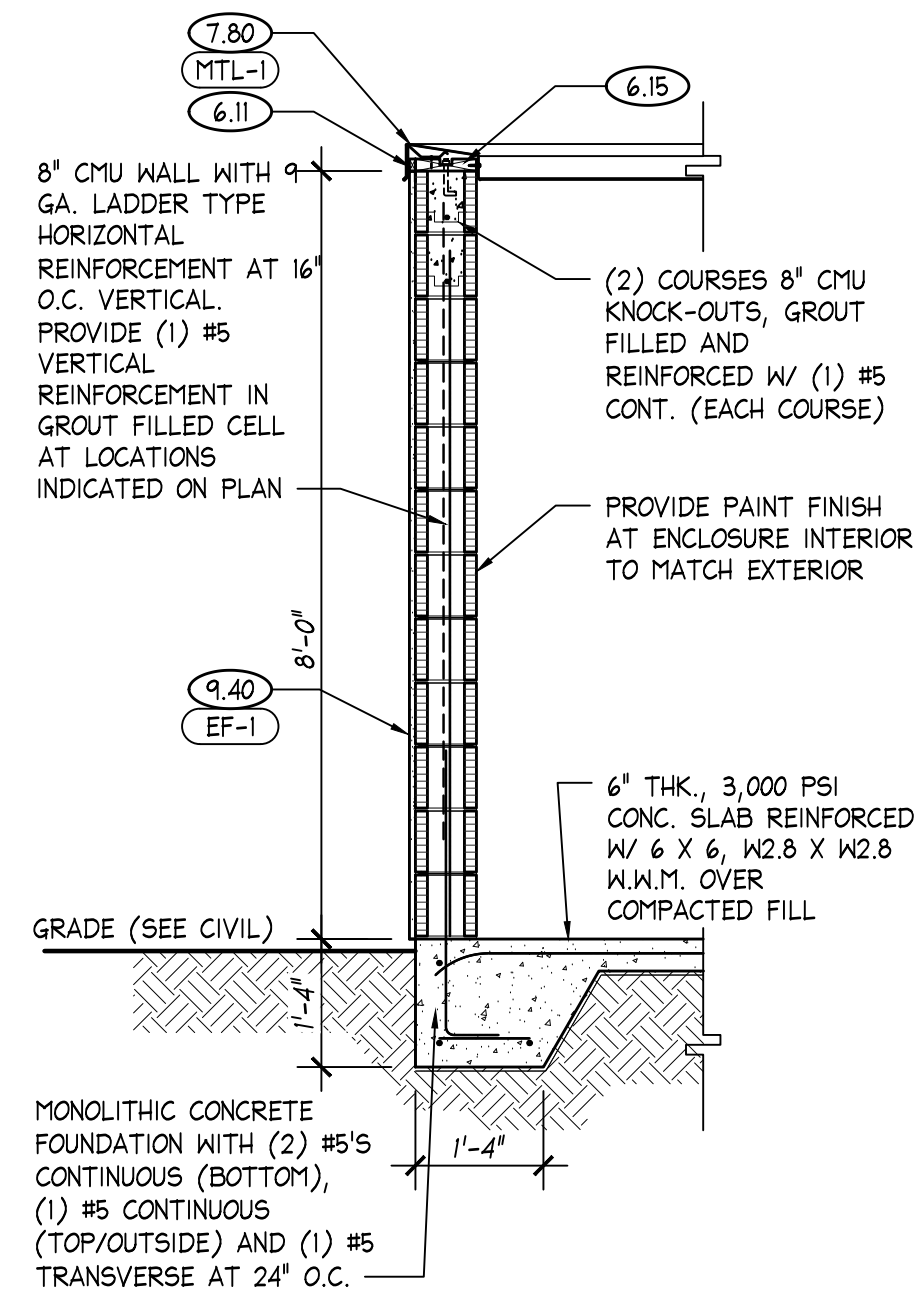
5 DUMPSTER ENCLOSURE PLAN

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



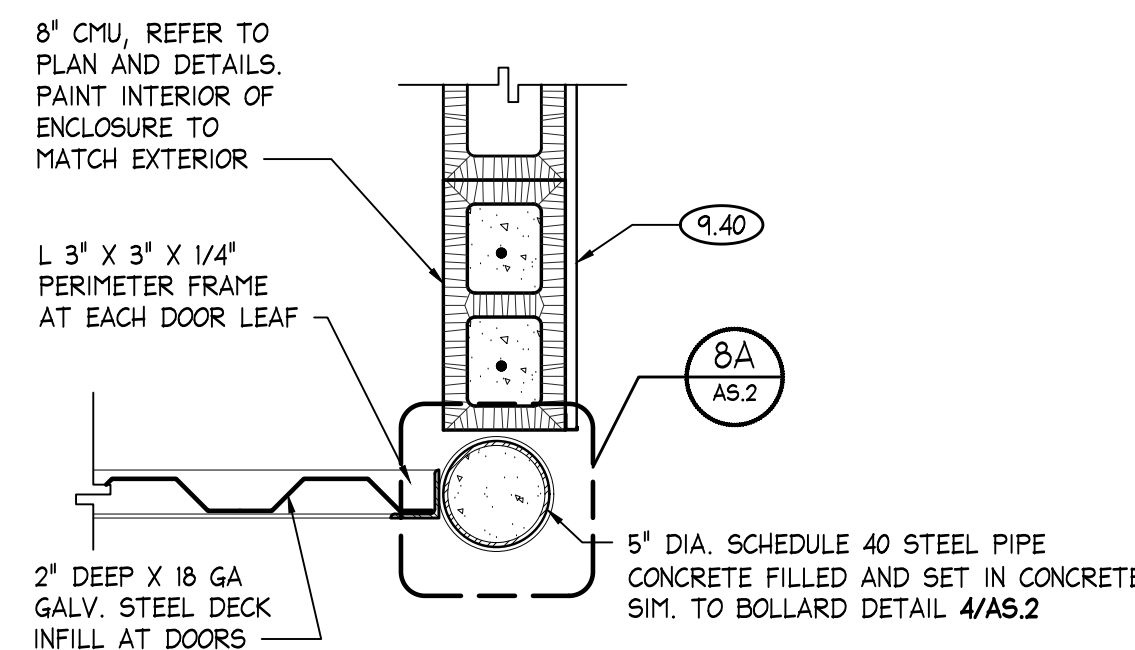
6 DUMPSTER ELEVATION

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



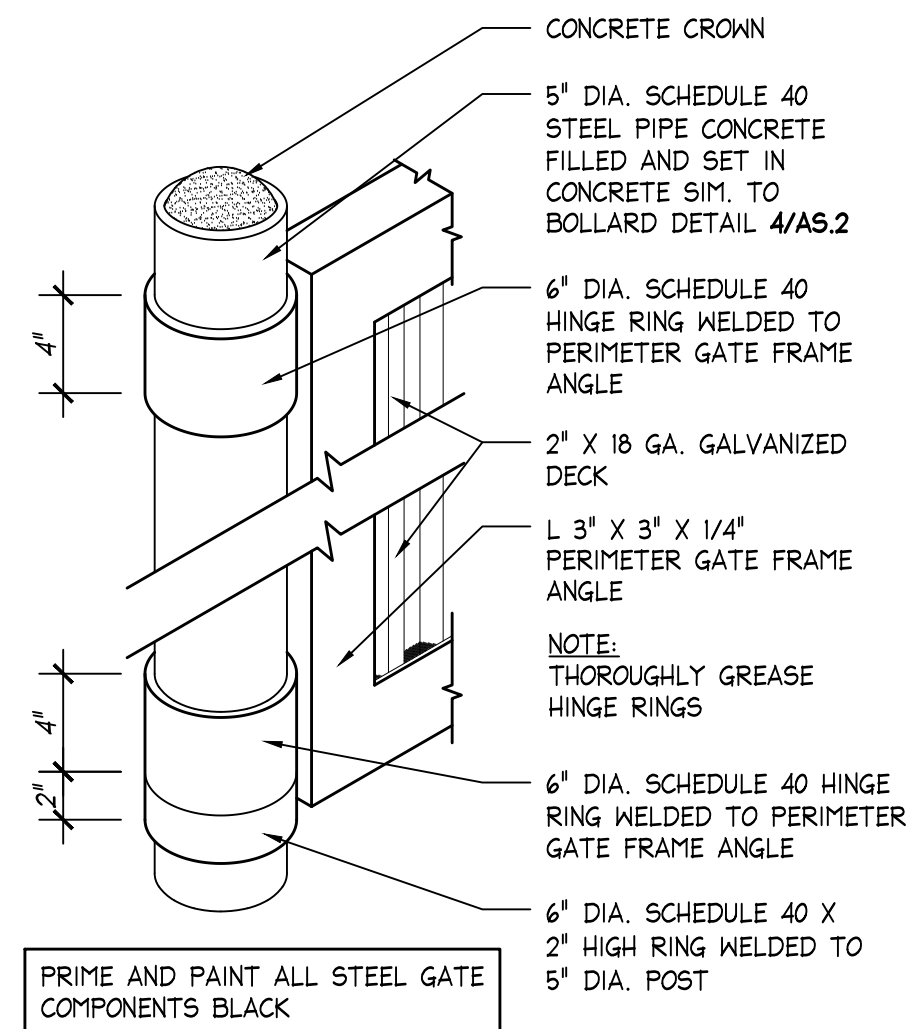
7 DUMPSTER SECTION

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



8 GATE POST DETAIL

SCALE: 1" = 1'-0"



GATE POST ISOMETRIC DETAIL

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

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REFER TO ARCHITECTURAL SITE PLAN AND CIVIL DRAWINGS FOR ALL REQUIREMENTS OUTSIDE BUILDING LINE

REFER TO SHEET A0.4 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

REFER TO THE FINISH SCHEDULE ON SHEET A3.0 FOR EXTERIOR FINISH DESCRIPTIONS



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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
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SHELL CONSTRUCTION
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MISCELLANEOUS
SITE DETAILS

AS.2



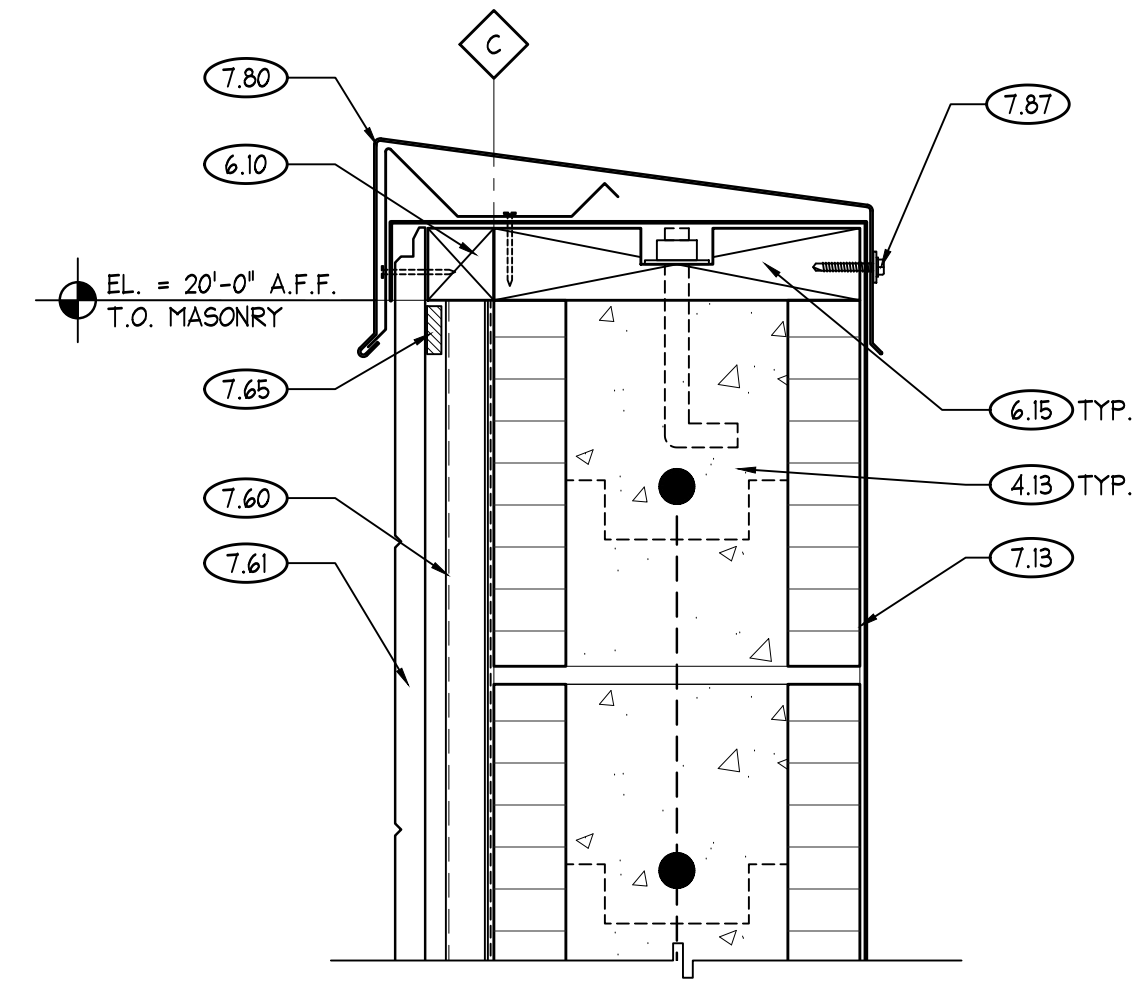
REFER TO EXTERIOR ELEVATIONS AND WALL SECTIONS FOR EXTERIOR WALL FINISHES



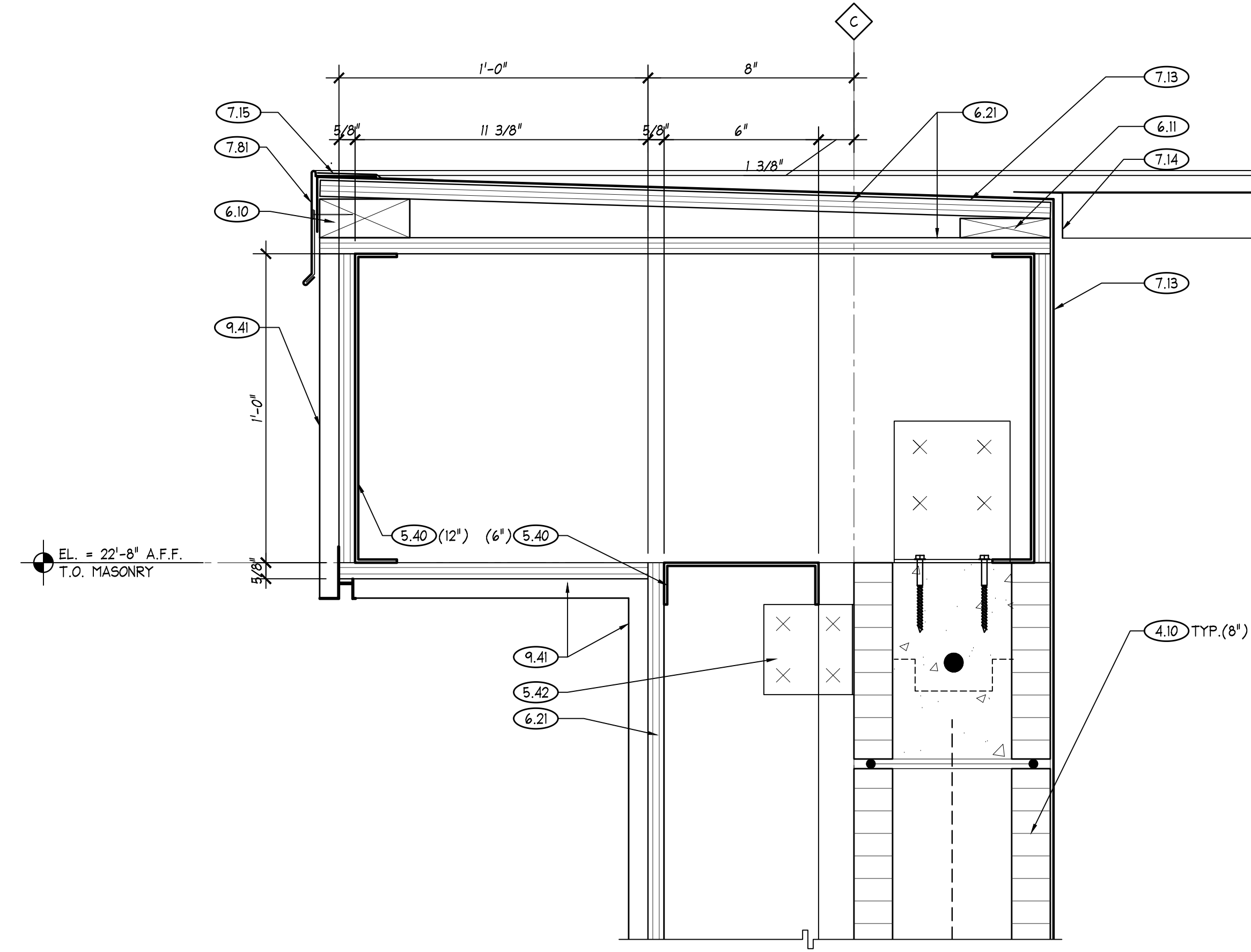
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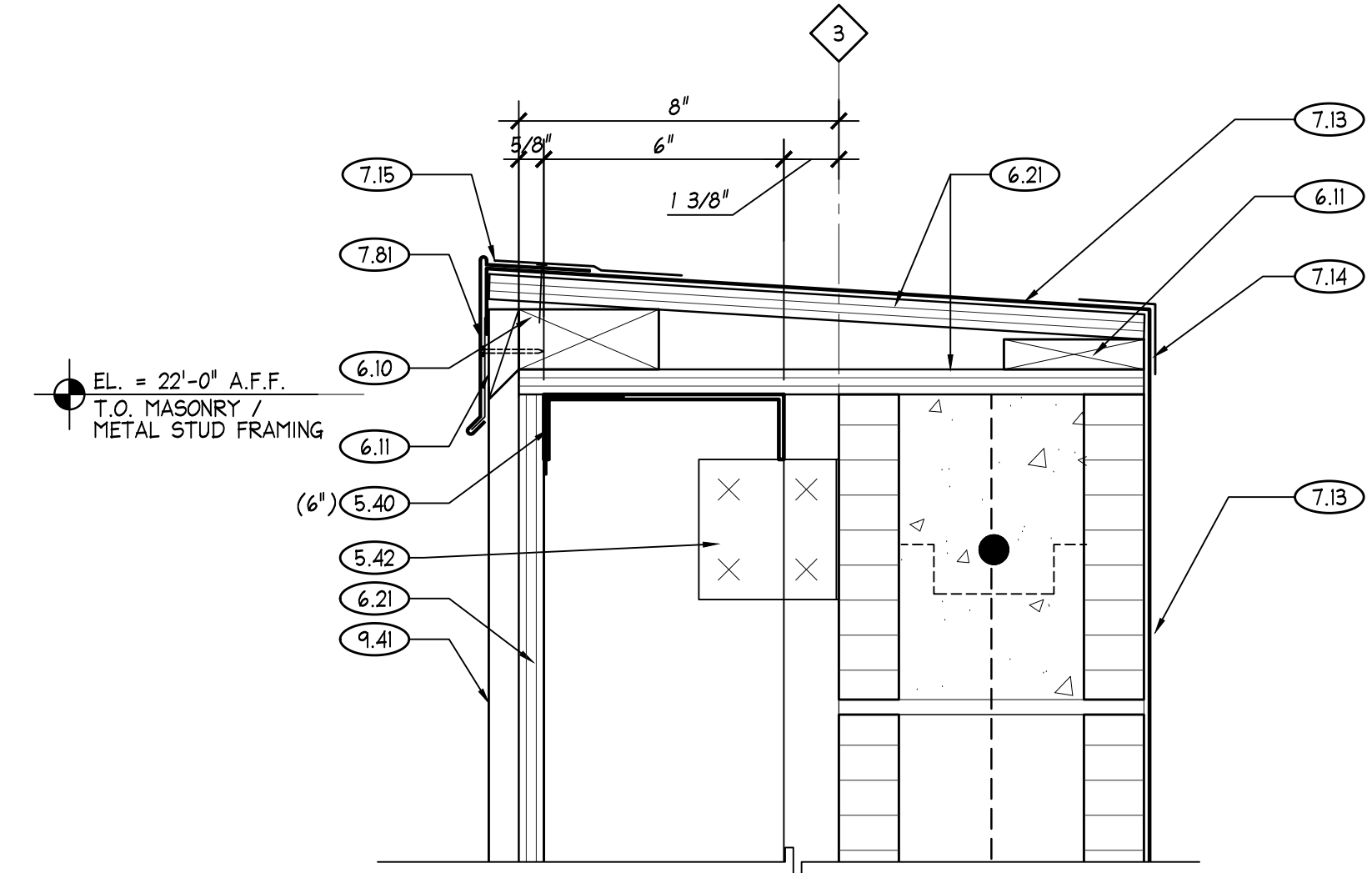
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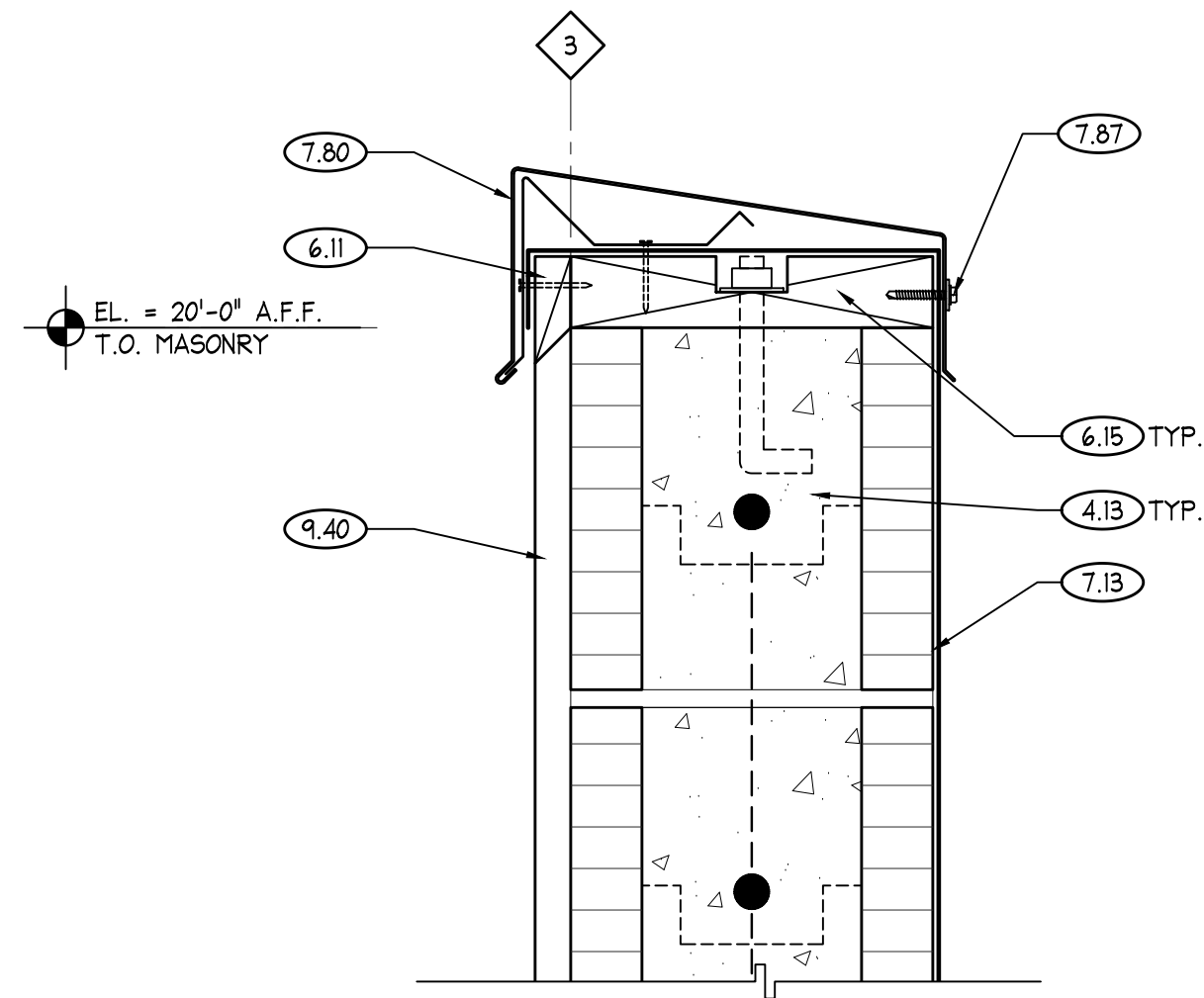
1 PARAPET DETAIL
SCALE: 3" = 1'-0"



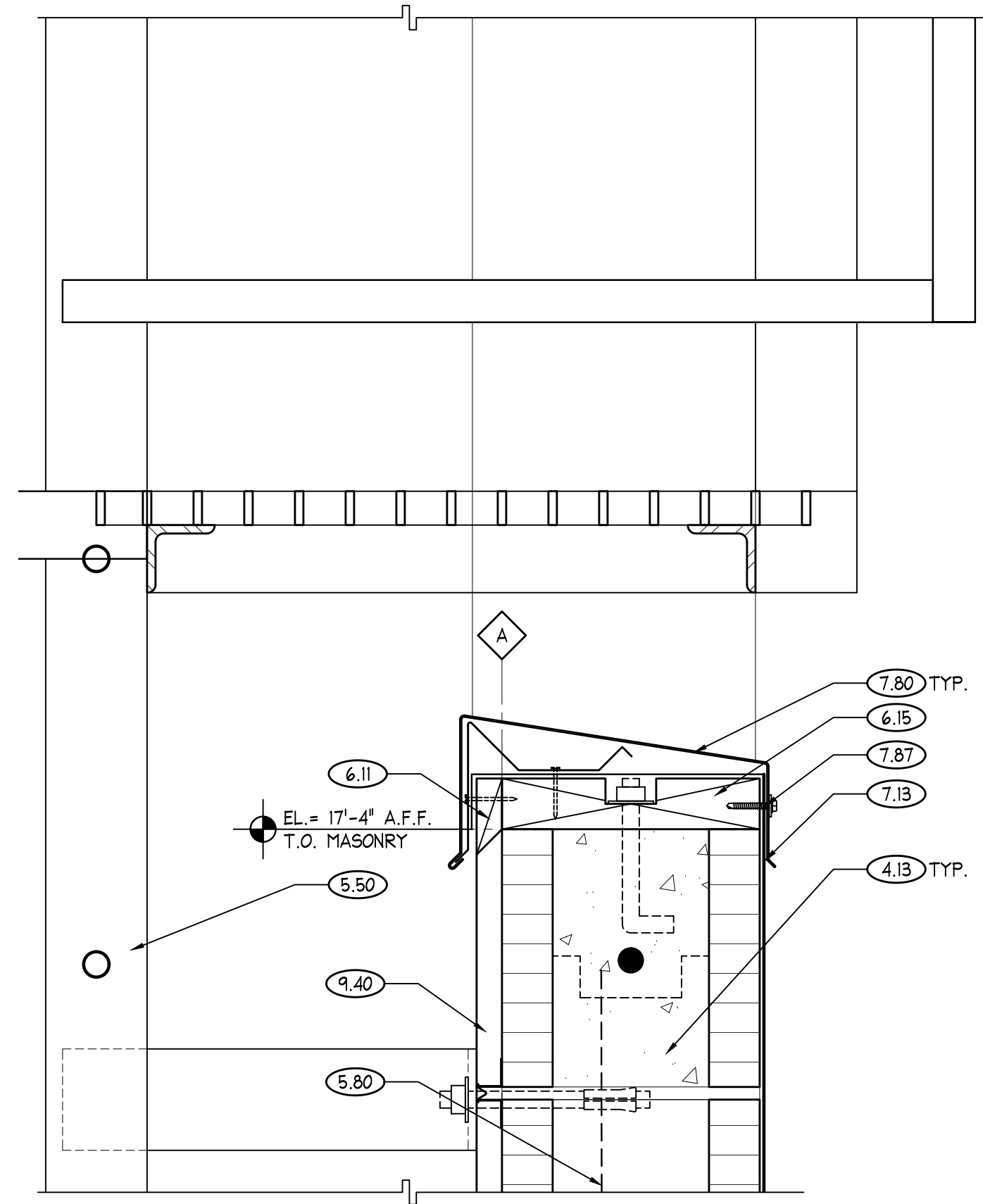
2 PARAPET DETAIL
SCALE: 3" = 1'-0"



3 PARAPET DETAIL
SCALE: 3" = 1'-0"



4 PARAPET DETAIL
SCALE: 3" = 1'-0"



5 PARAPET DETAIL
SCALE: 3" = 1'-0"

REFER TO SHEET A0.4 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.), WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID



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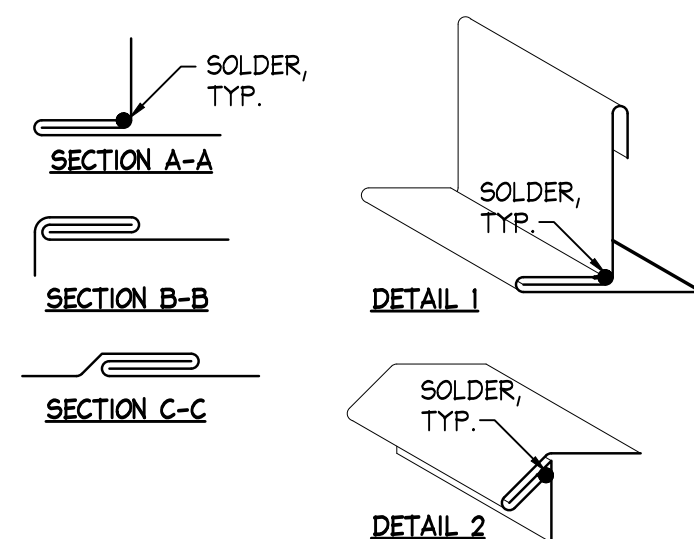
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date
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ROOF
DETAILS

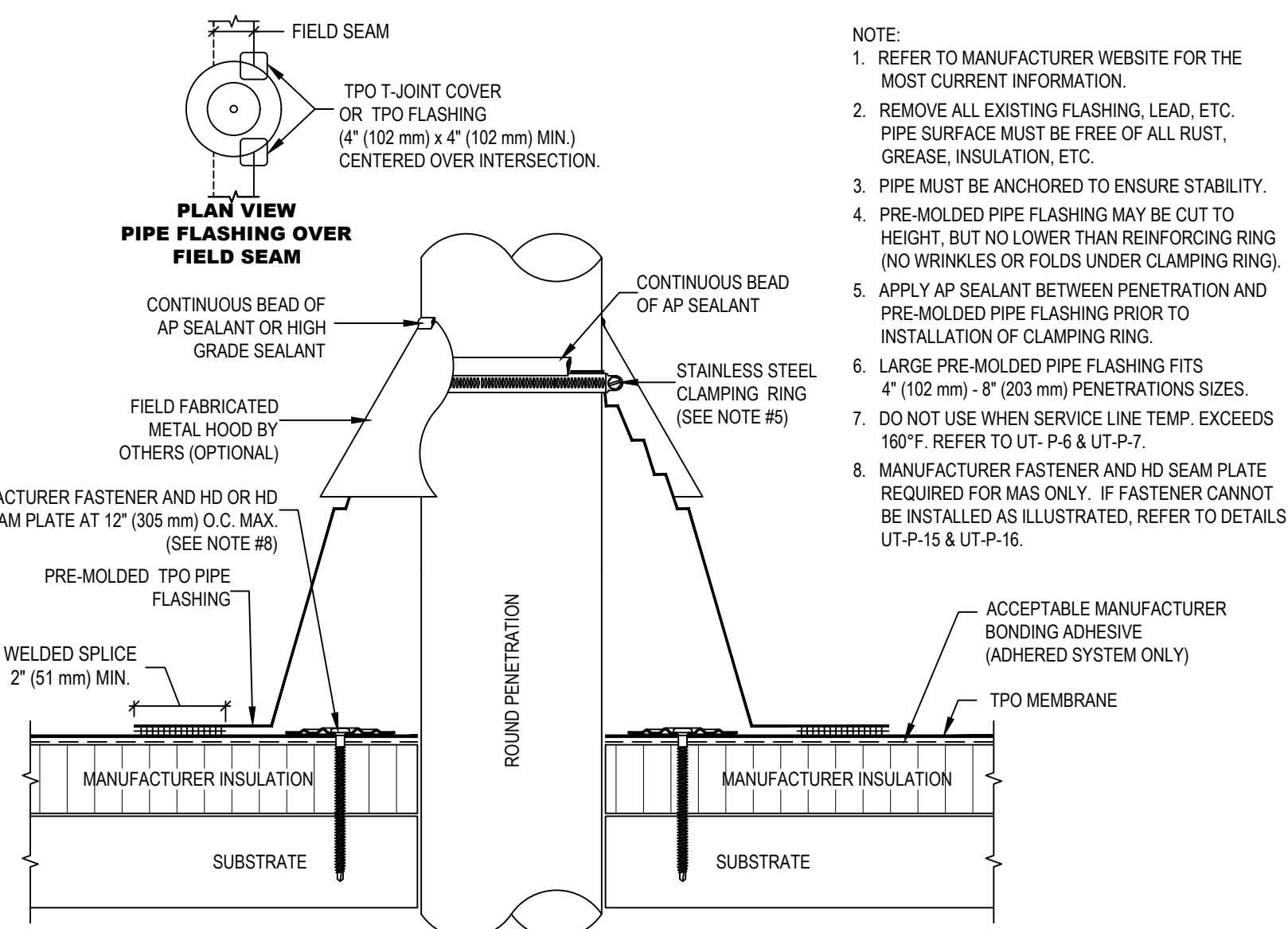
A1.2



FLASHING DETAILS

NOT TO SCALE

NOT TO SCALE

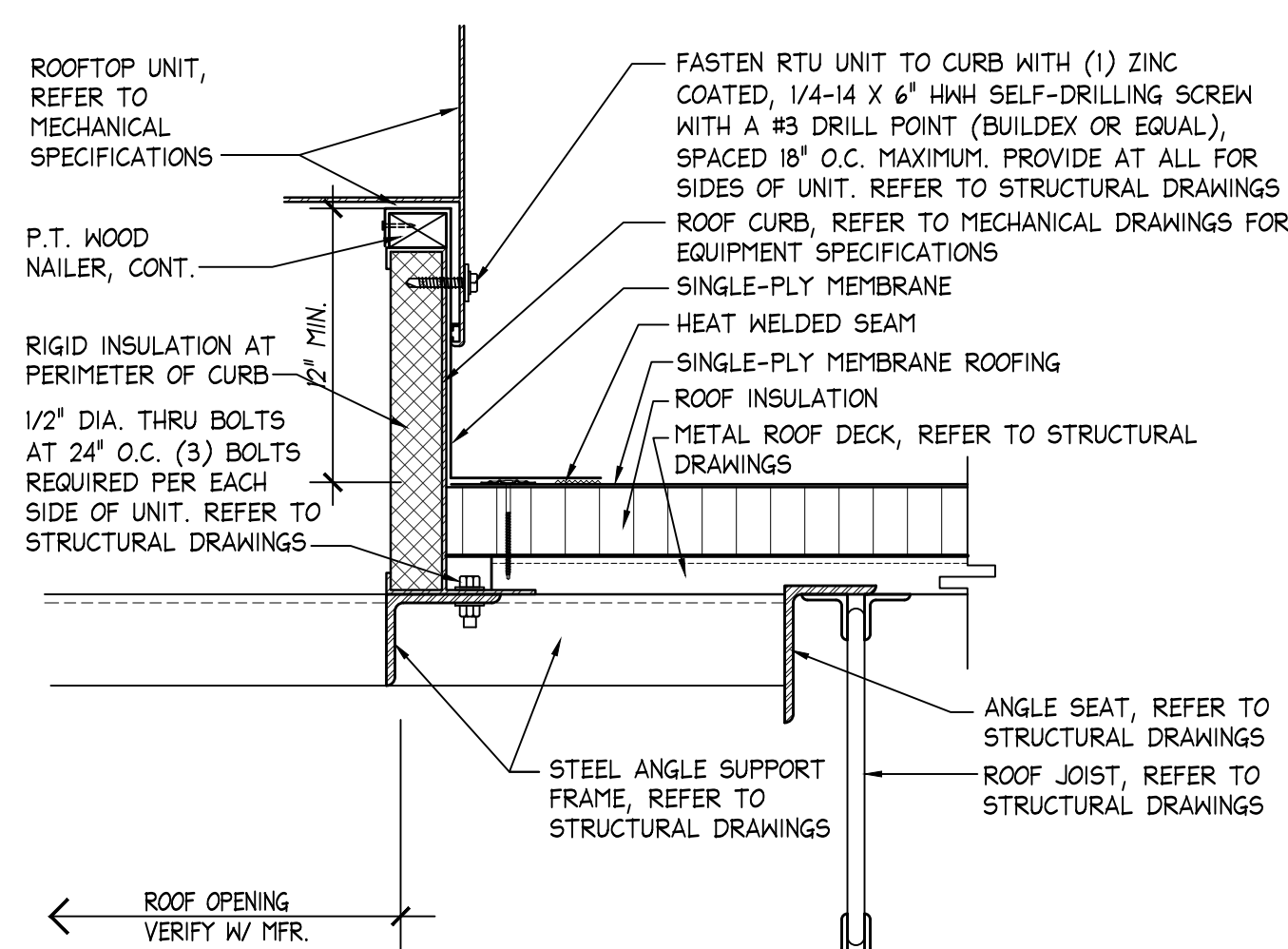


SECTION

2 PLUMBING VENT DETAIL

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

SCALE: ----



TYPICAL ROOFTOP UNIT CURB DETAIL

SCALE: 3" = 1'-0"

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

REFER TO SHEET A0.4 FOR THE KEYNOTES REFERENCED THROUGHOUT THE
CONSTRUCTION DRAWINGS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID



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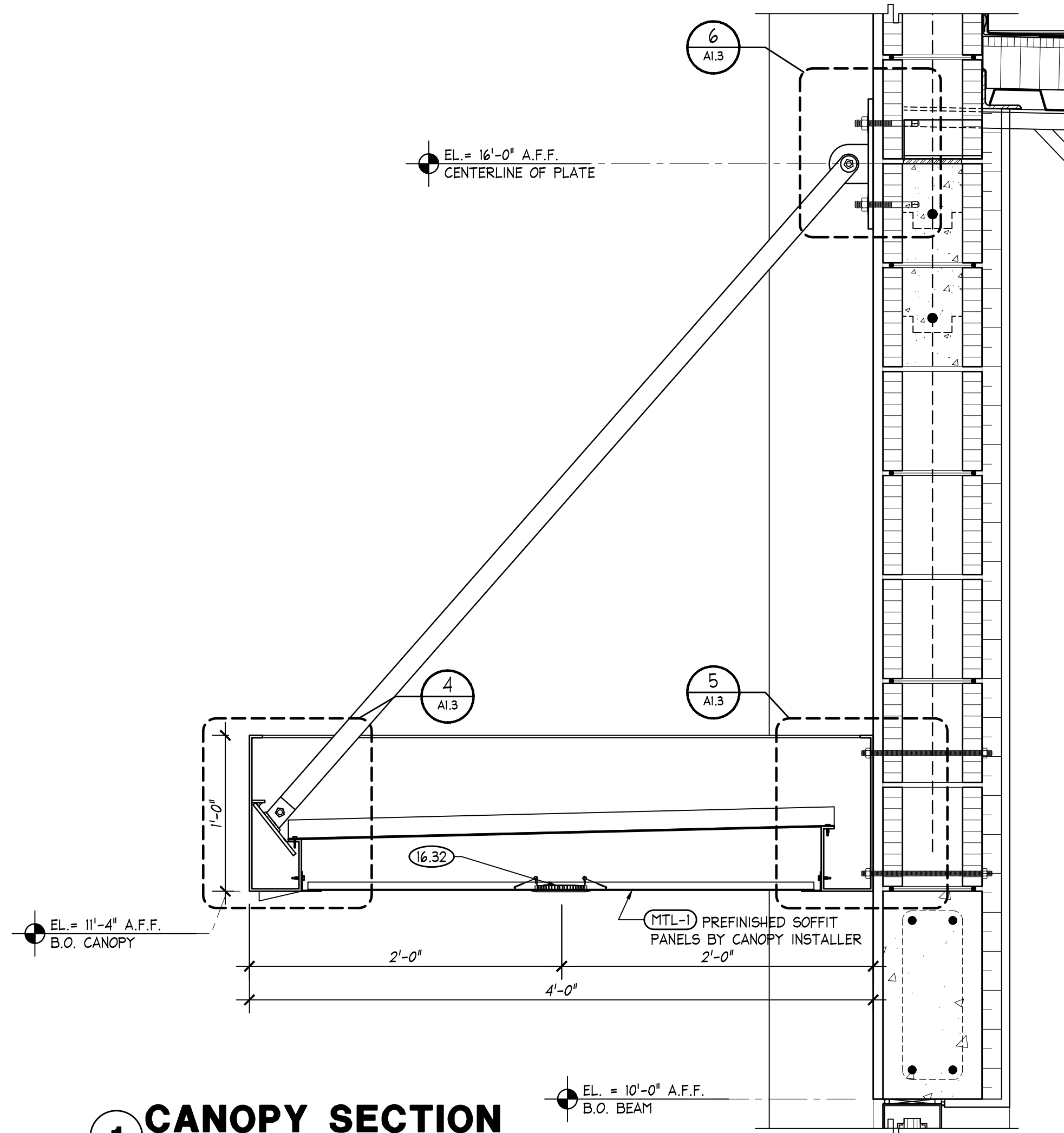
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ORLANDO, FL 32807

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date

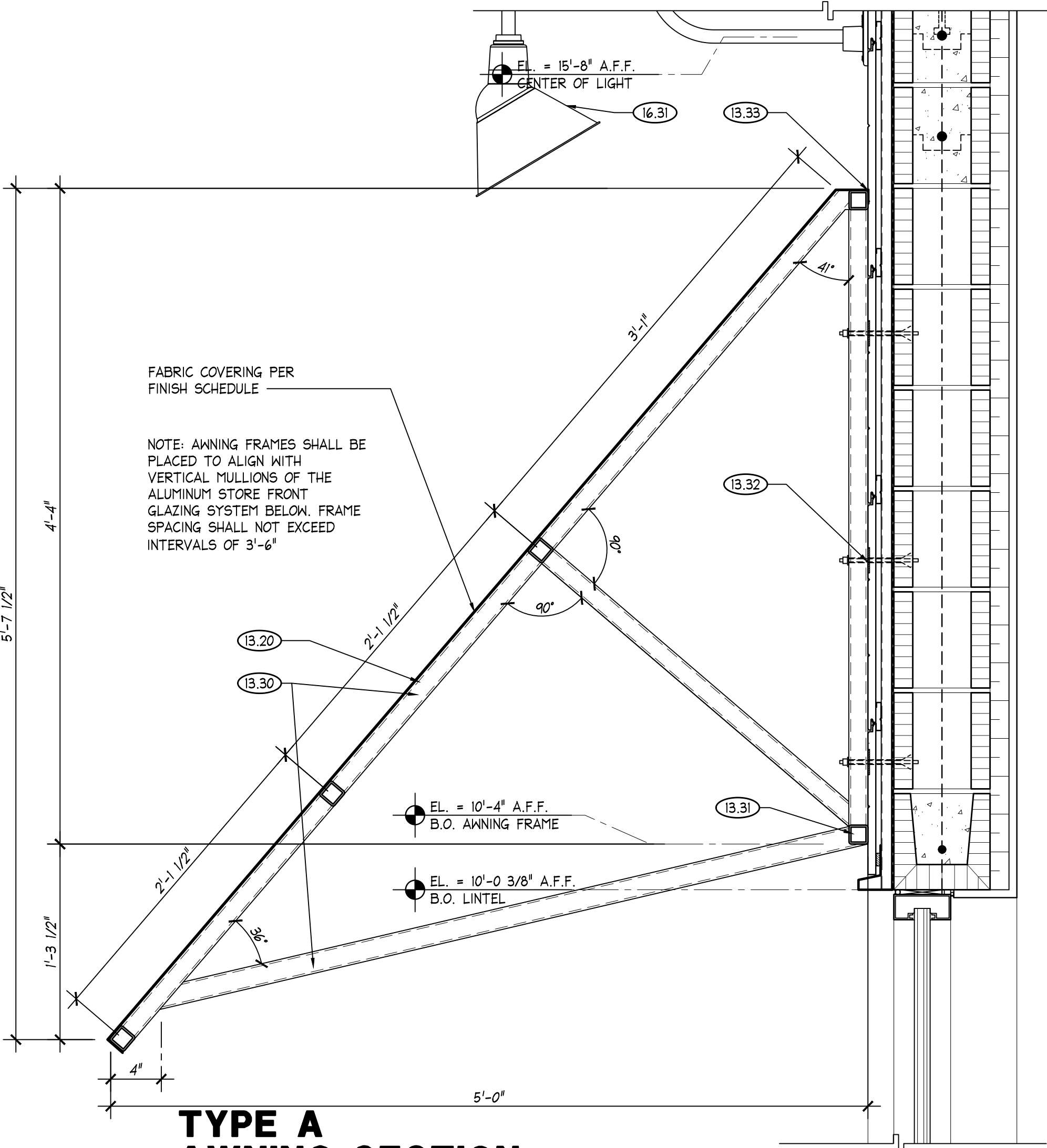
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ROOF DETAILS

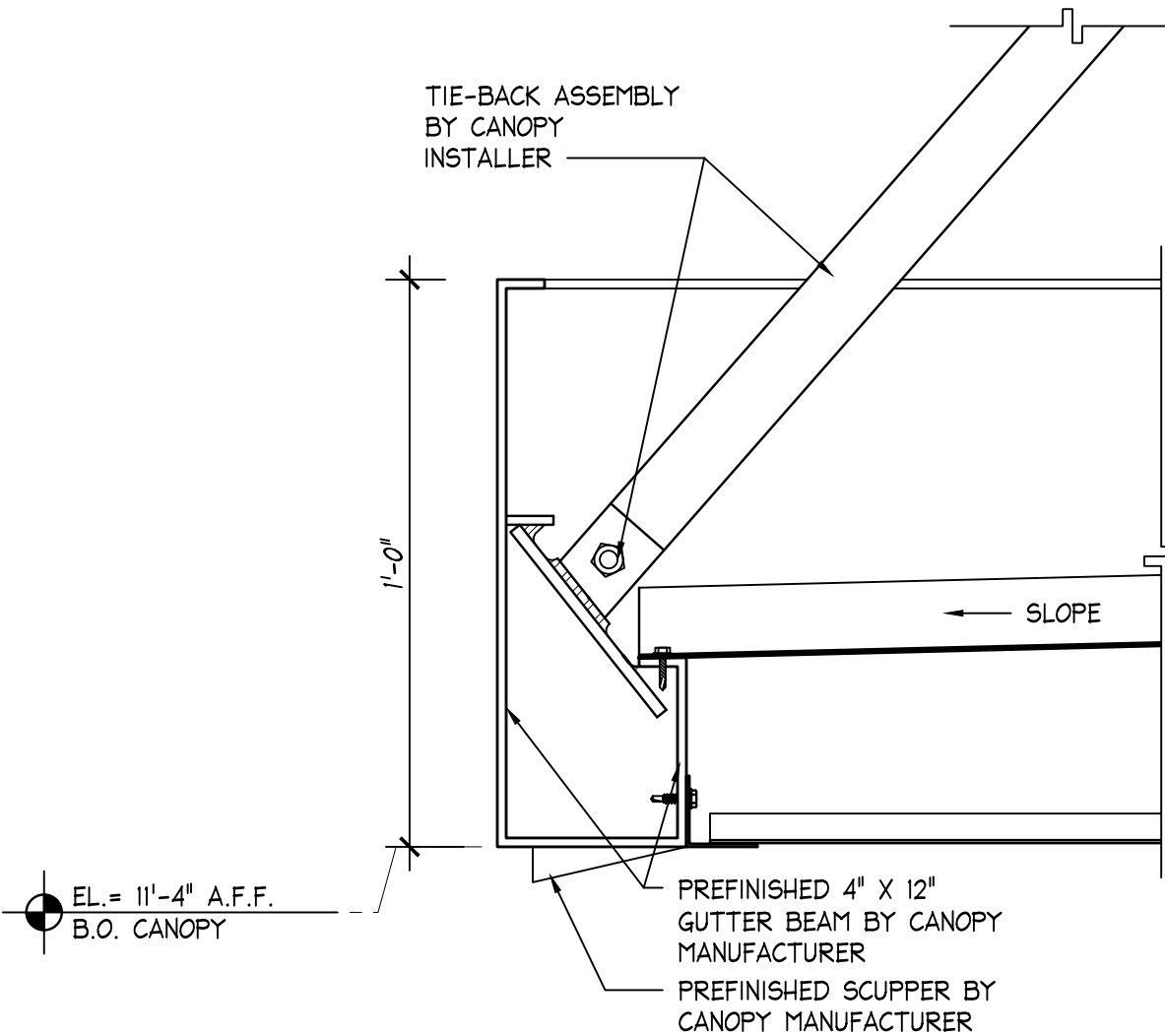
A1.2A



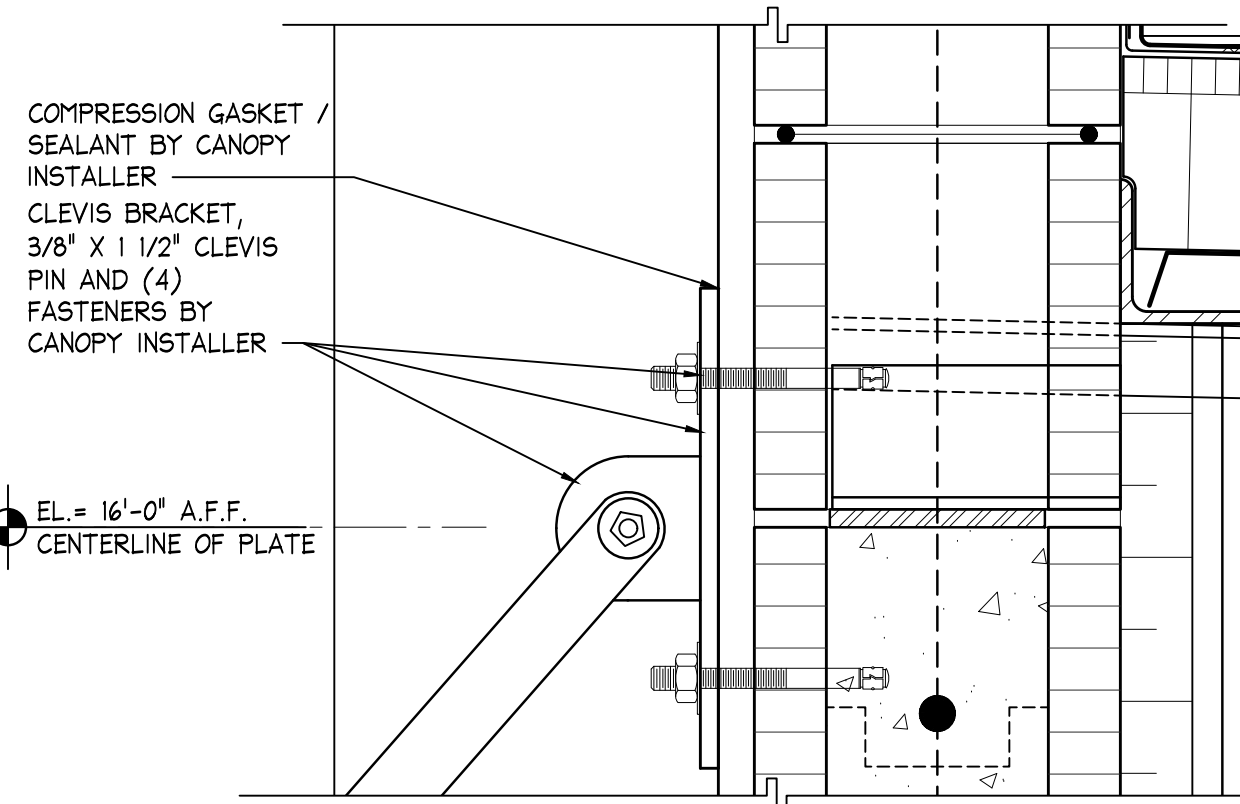
1 CANOPY SECTION
SCALE: 1-1/2" = 1'-0"



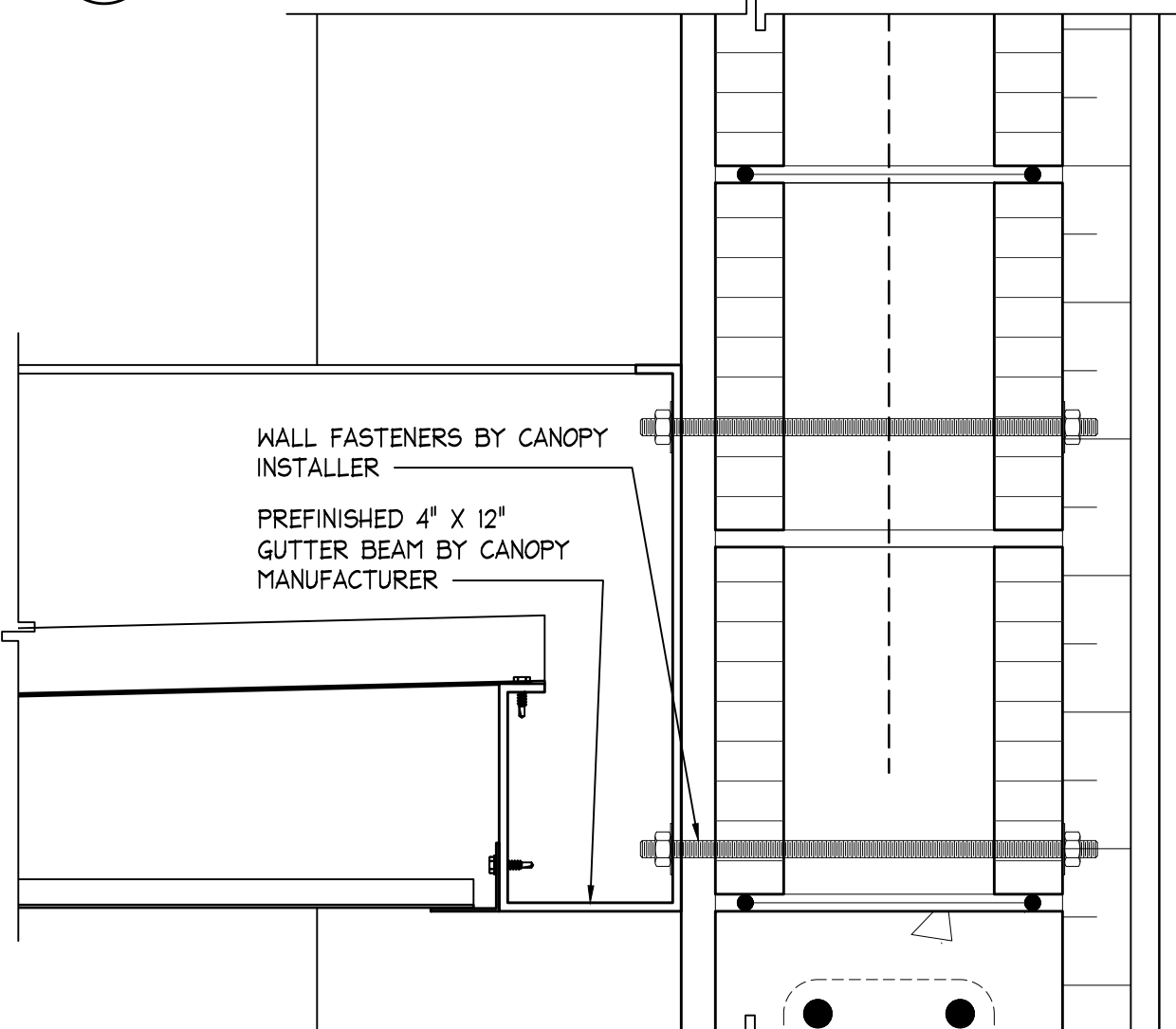
2 TYPE A AWNING SECTION
SCALE: 1-1/2" = 1'-0"



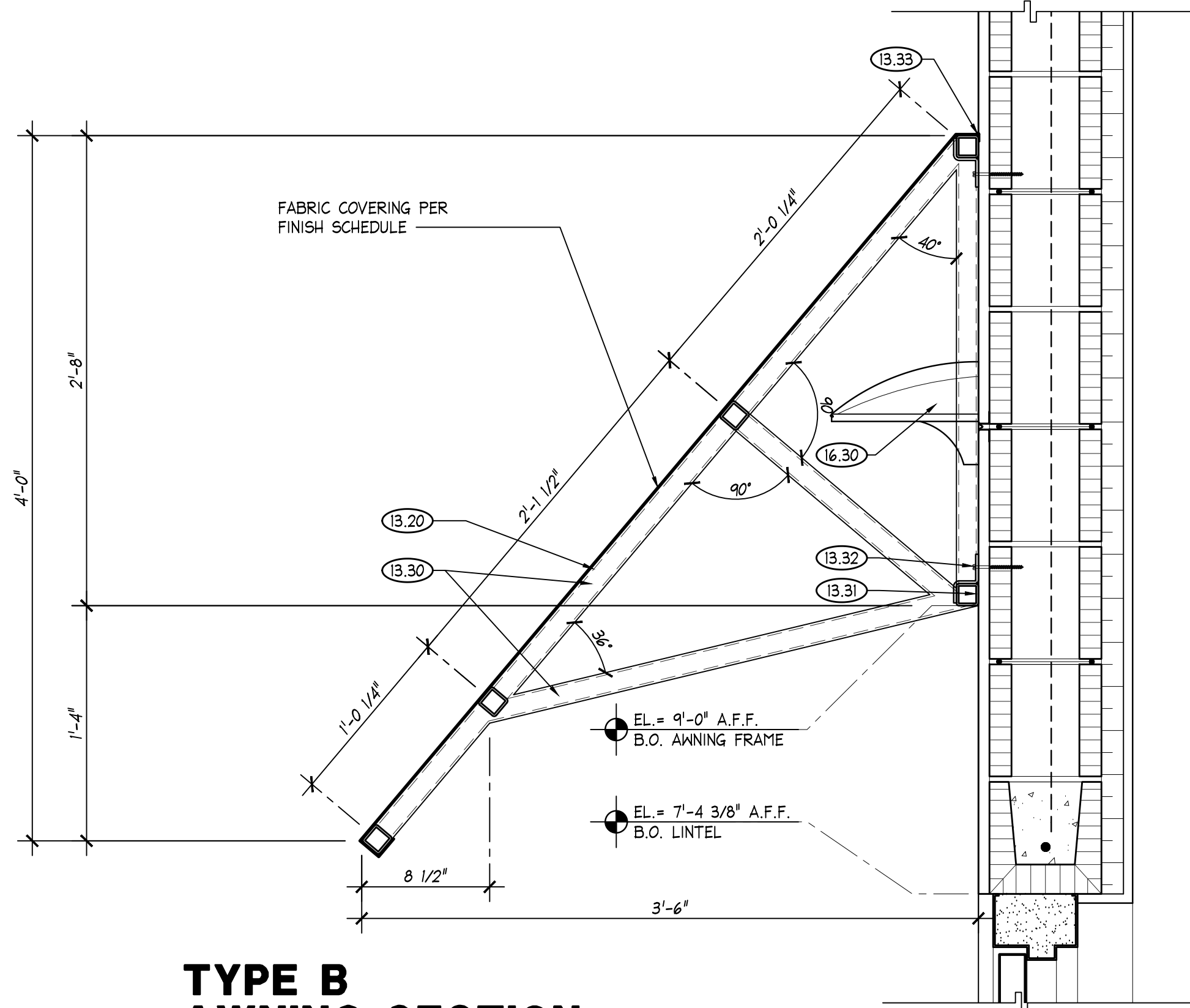
4 CANOPY DETAIL
SCALE: 3" = 1'-0"



6 CANOPY DETAIL
SCALE: 3" = 1'-0"



5 CANOPY DETAIL
SCALE: 3" = 1'-0"



3 TYPE B AWNING SECTION
SCALE: 1-1/2" = 1'-0"

GENERAL NOTES

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.) WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.

REFER TO SHEET A0.4 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

ALUMINUM AWNING NOTES:

AWNING DETAILS PROVIDED SHOW DESIGN INTENT INCLUDING DIMENSIONS, COMPONENTS AND MOUNTING HEIGHTS. THE AWNING FABRICATOR SHALL PROVIDE SEPARATE SHOP DRAWINGS SHOWING ALL COMPONENTS AND METHOD OF ATTACHMENT. SAID DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION. THE AWNING FABRICATOR SHALL SUBMIT DRAWINGS TO THE BUILDING DEPARTMENT FOR REVIEW, APPROVAL AND PERMIT.

PROVIDE WELDED PLATE CAPS AT ALL EXPOSED TUBE TERMINATIONS. ALL WELDED CONNECTIONS SHALL BE GROUND SMOOTH PRIOR TO FINISH APPLICATION

ALUMINUM COMPONENTS TO BE FINISHED WITH STANDARD, OVEN CURED POWDER COAT AND SHALL MEET AAMA 2604 REQUIREMENTS

ALL DIMENSIONS TO BE FIELD VERIFIED

STEEL AND ALUMINUM COMPONENTS AND CLADDING SHALL BE PROPERLY ISOLATED TO PREVENT GALVANIC ACTION. PROVIDE BITUMINOUS COATING OR ARCHITECT APPROVED METHOD

PRE-ENGINEERED CANOPY NOTES

THE GENERAL CONTRACTOR SHALL ENGAGE A CANOPY MANUFACTURER TO PROVIDE FULLY ENGINEERED CANOPIES IN COMPLIANCE WITH THE DESIGN INTENT PROVIDED IN THE CONSTRUCTION DOCUMENTS

THE CANOPY MANUFACTURER SHALL PROVIDE CANOPY ASSEMBLIES THAT ARE DESIGNED TO MEET THE WIND LOADS AT THE SUBJECT PROPERTY AND, ADDITIONALLY, THAT ARE TESTED AND APPROVED BY MIAMI-DADE NOA OR FLORIDA PRODUCT APPROVAL

THE CANOPY MANUFACTURER SHALL PROVIDE FULLY ENGINEERED SHOP DRAWINGS WHICH SPECIFY ALL CANOPY COMPONENTS INCLUDING CONNECTIONS TO PRIMARY STRUCTURE. THE CONNECTION TO PRIMARY STRUCTURE INCLUDES ANY AND ALL NECESSARY SUPPORT BLOCKING REQUIREMENTS AND METHOD OF ATTACHMENT TO PRIMARY STRUCTURE. SHOP DRAWINGS SHALL BE SUBMITTED TO THE GENERAL CONTRACTOR FOR REVIEW AND APPROVAL

UPON RECEIPT OF SHOP DRAWING APPROVAL, THE CANOPY MANUFACTURER SHALL BE RESPONSIBLE FOR SUBMISSION OF SIGNED AND SEALED PLANS OR PERMIT TO THE AUTHORITY HAVING JURISDICTION

UPON APPROVAL BY THE JURISDICTION, THE CANOPY MANUFACTURER SHALL BE RESPONSIBLE FOR THE FABRICATION AND COMPLETE INSTALLATION OF THE CANOPIES

ALL SUPPORT BLOCKING AND ATTACHMENT TO THE BUILDING SHALL BE FULLY COORDINATED WITH THE GENERAL CONTRACTOR

REFER TO ENLARGED DETAILS ON THIS SHEET FOR DESIGN INTENT AND PHYSICAL CANOPY PARAMETERS. A WRITTEN DESCRIPTION IS AS FOLLOWS:

- 1) THE CANOPIES SHALL BE PRE-ENGINEERED, PRE-FINISHED ALUMINUM
- 2) CANOPIES SHALL HAVE INTEGRAL GUTTERS ON ALL FOUR SIDES WITH SCUPPERS THAT SPILL OUTWARD, AWAY FROM THE BUILDING AND ENTRANCES
- 3) THE CANOPY SOFFIT MATERIAL SHALL BE PRE-FINISHED ALUMINUM ONLY, COLOR AS INDICATED ON THIS SHEET
- 4) CANOPIES SHALL INCLUDE RECESSED DOWN LIGHTING AS INDICATED ON THE REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS
- 5) WIRING FOR RECESS MOUNTED LIGHTING, EMERGENCY LIGHTING, ETC. AT THE UNDERSIDE OF CANOPIES SHALL BE FULLY CONCEALED WITHIN SOFFIT. THE ELECTRICIAN SHALL PROVIDE DETAILS SHOWING ROUTING OF WIRING FOR APPROVAL PRIOR TO INSTALLATION
- 6) ALUMINUM COMPONENTS TO BE FINISHED WITH STANDARD, OVEN CURED POWDER COAT AND SHALL MEET AAMA 2604 REQUIREMENTS
- 7) ANY GALVANIZED STEEL COMPONENTS SHALL BE PRIMED AND PAINTED
- 8) ALUMINUM AND GALVANIZED STEEL COMPONENTS SHALL BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION

REFER TO THE FINISH SCHEDULE ON SHEET A3.0 FOR CANOPY FINISH COLOR

FWH
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GUY F. FABER
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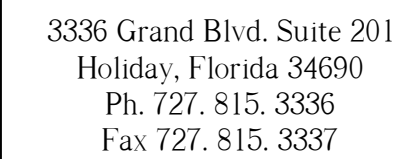
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CANOPY AND
AWNING DETAILS

A1.3



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SAFETY STANDARDS

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ORLANDO, FL

08.25.2023
date

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EXTERIOR ELEV.
AND EXTERIOR
FINISH SCHEDULE

A3.0



TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

SIGNAGE NOTES:

FACILITY ADDRESS REQUIREMENTS:

WHERE ADDRESS IDENTIFICATION IS REQUIRED BY THE FIRE OFFICIAL ON OTHER ELEVATIONS OF BUILDINGS, SUCH NUMERALS SHALL NOT BE LESS THAN SIX INCHES IN HEIGHT

WALL FINISHES AT PARAPET RETURNS:
THE DESIGN INTENT FOR PARAPET WALLS THAT RETURN ONTO THE ROOF SURFACE IS THAT THEY, WHERE EXPOSED TO VIEW, ARE TO BE PROVIDED WITH WALL FINISHES THAT ARE CONSISTENT WITH THE ADJACENT BUILDING ELEVATIONS. FOR EXAMPLE, IF CEMENT PLASTER IS PROVIDED ALONG THE MAIN BUILDING ELEVATION THE PARAPET RETURNS ARE TO BE PROVIDED WITH EQUAL FINISHES

WALL COUNTERFLASHING DETAILS:

UNDER NO CIRCUMSTANCES WILL EXPOSED SINGLE-PLY MEMBRANE BE AN
ACCEPTABLE MEANS OF FLASHING AT THE CONDITIONS NOTED

EXTERIOR INSULATION FINISH SYSTEM (EIFS) REQUIREMENTS:

5. ALL GENERAL CONTRACTOR BIDS SHALL INCLUDE THE ABOVE STATED SYSTEMS / PRODUCTS IN THEIR BASE BIDS. SUBSTITUTIONS WILL BE CONSIDERED FOR APPROVAL BUT ONLY IF FULLY QUALIFIED IN BIDS INCLUDING COMPLETE SYSTEM / PRODUCT SPECIFICATIONS AND ASSOCIATED COSTS

ALUMINUM COPING, DRIP EDGES, SCUPPERS AND DOWNSPOUT REQUIREMENTS:

GENERAL:

THE CONTRACTOR SHALL REQUEST A COLORIZED COPY OF THE ELEVATIONS FROM THE ARCHITECT PRIOR TO ORDERING OR APPLYING EIFS, PAINT AND OTHER EXTERIOR FINISHES. THE COLORIZED ELEVATIONS WILL HELP CONFIRM COLORS AND ASSIST THE PAINTER WHERE COLOR CHANGES OCCUR

CEMENT PLASTER / EIFS FINISHES
(ACRYLIC EIFS FINISH WITH INTEGRAL COLOR AND TEXTURE)

TAG	MANUFACTURER	COLOR	DESCRIPTION
EF-1	DRYVIT	MATCH SHERWIN WILLIAMS #SW6147 "PANDA WHITE"	CUSTOM DRYVIT STRATOTONE COLOR
EF-2	DRYVIT	MATCH SHERWIN WILLIAMS #SW7547 "SANDBAR"	CUSTOM DRYVIT STRATOTONE COLOR

METAL SOFFIT PANELS, TRIM, COPING, DOWNSPOUTS AND SCUPPERS

MTL-1	PAC-CLAD	"MATTE BLACK"	KYNAR 500
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PAINT FINISHES

PT-1	SHERWIN WILLIAMS	SW#6147 "PANDA WHITE"
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SIDING

SD-1	NICHIHA	VINTAGE WOOD "CEDAR"	CEMENTITIOUS SIDING
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AWNING FABRIC

FB-1	SUNBRELLA	"BLACK"	FIRE RETARDANT FIRESIST
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ALUMINUM STOREFRONT

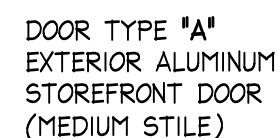
SF-1	YKK	"BLACK"	
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SCALE: 3/16" = 1'-0"



SCALE: 3/16" = 1'-0"



SCALE: $3/16" = 1'-0"$

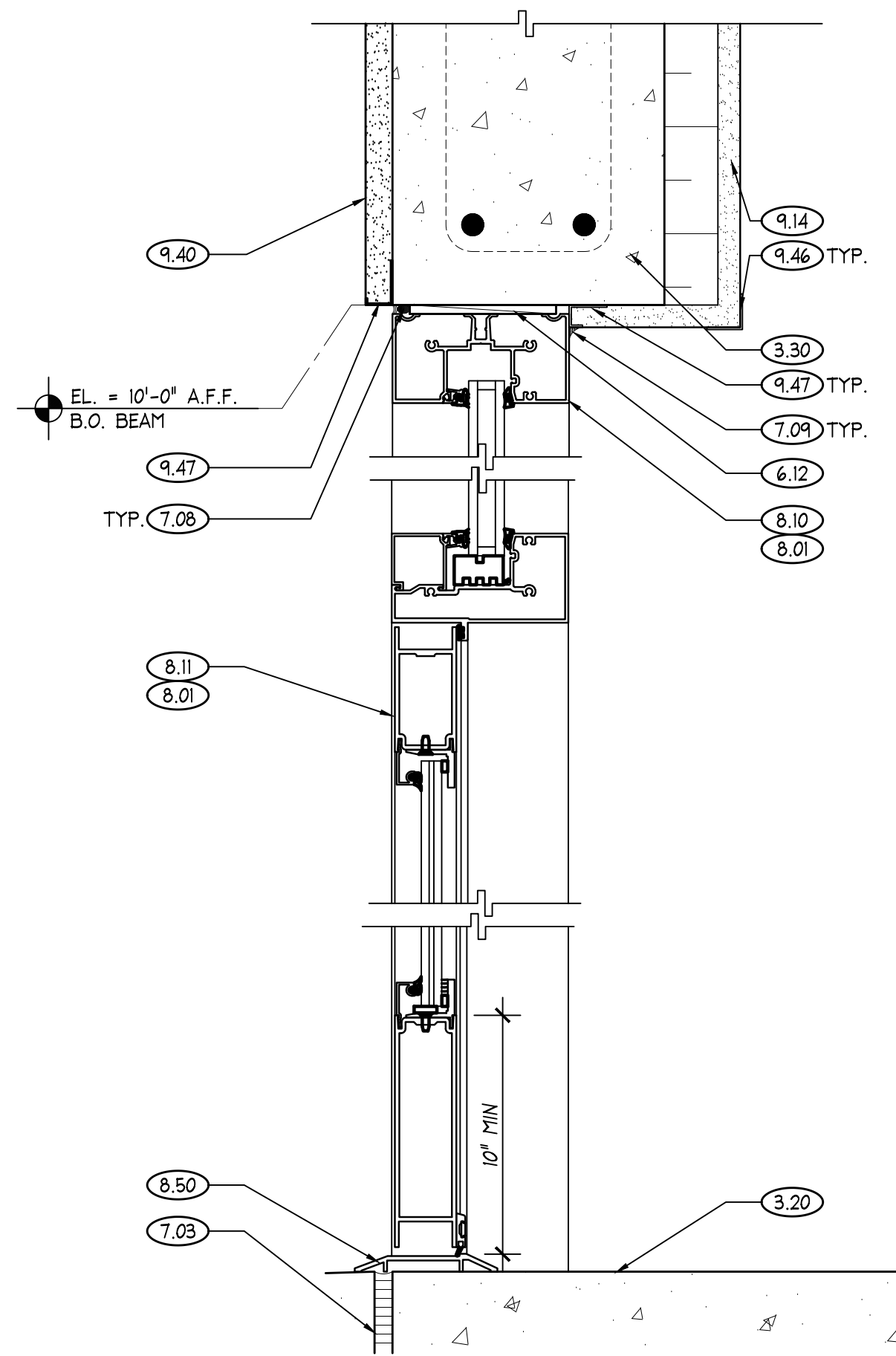
1. PAINT DOOR AND FRAME, SEMI-GLOSS PAINT. REFER TO EXTERIOR ELEVATIONS FOR COLOR
2. PROVIDE INSULATED HOLLOW METAL DOOR
3. ALUMINUM STOREFRONT FRAME AND DOOR COMPONENTS SHALL BE "BLACK"
4. ALUMINUM STOREFRONT BASED ON TYPICAL SYSTEM WITH 1" INSULATED GLASS, CLEAR, LOW-E. DOORS SHOULD BE MEDIUM STYLE, HEAVY DUTY, BASED ON TYPICAL MODEL 35D WITH 1" INSULATED GLASS
5. THE CONTRACTOR SHALL COORDINATE SUBMITTAL OF MANUFACTURER'S FLORIDA PRODUCT APPROVAL DATA AND INSTALLATION REQUIREMENTS WITH THE BUILDING DEPARTMENT, IF REQUIRED
6. PROVIDE SILL AND JAMB FLASHING TO THE BOTTOM PORTION OF ALL SILL MEMBERS. AT TERMINATION OF SILL FLASHING, PROVIDE END CAP OF EQUAL MATERIAL. SET ALL IN BED OF CONTINUOUS SEALANT

HARDWARE SET NO. 1 - EXTERIOR STOREFRONT ENTRANCE - SINGLE				HARDWARE SET NO. 2 - EXTERIOR HOLLOW METAL EXIT - SINGLE			
(2) OFFSET PIVOTS	BY MFR.			(3) HINGE	TA42314 X NRP 4 1/2" x 4 1/2"	U532D	MCKINNEY
(1) CYLINDER	72 74 101	US20D	SARGENT	(1) EXIT DEVICE	HC 43 72 8806(ETL)	U532D	SARGENT
(1) THUMBTURN CYLINDER	4066-01		ADAMS RITE	(1) DOOR CLOSER	351 CP5H	EN	SARGENT
(1) EXIT INDICATOR	4089	I21	ADAMS RITE	(1) KICK PLATE	K1050 8" X LAR 4BE CSK	U532D	ROCKWOOD
(1) PUSH BAR	BY MFR.			(1) THRESHOLD	2010AV X OPN'G WIDTH		PEMCO
(1) OFFSET PULLS	BY MFR.				SET IN NON-SHRINK GROUT BED		
(2) DOOR CLOSER	351 0 (TOP JAMB)	EB	SARGENT	(1) RAIN DRIP	346C TKSP8 X OPEN'G WIDTH + 4"		PEMCO
(1) TOP JAMB MOUNTING PLATE	351A OR 351B (AS REQ'D)	EB	SARGENT	(1) WEATHER STRIPPING	303AV TKSP8 HEAD AND JAMBS		PEMCO
(1) THRESHOLD	170D M5E5255S X OPEN'G WIDTH		PEMCO	(1) SWEEP	315CN TKSP8 X DOOR WIDTH		PEMCO
	SET IN NON-SHRINK GROUT BED			(3) SILENCER	608		ROCKWOOD
(1) WEATHERSTRIPPING	BY MFR.			(1) DOOR VIEWER	622	DCRM	ROCKWOOD
(1) SWEEP	315DN TKSP8 X DOOR WIDTH		PEMCO	(1) LATCH PROTECTOR	321	U532D	ROCKWOOD

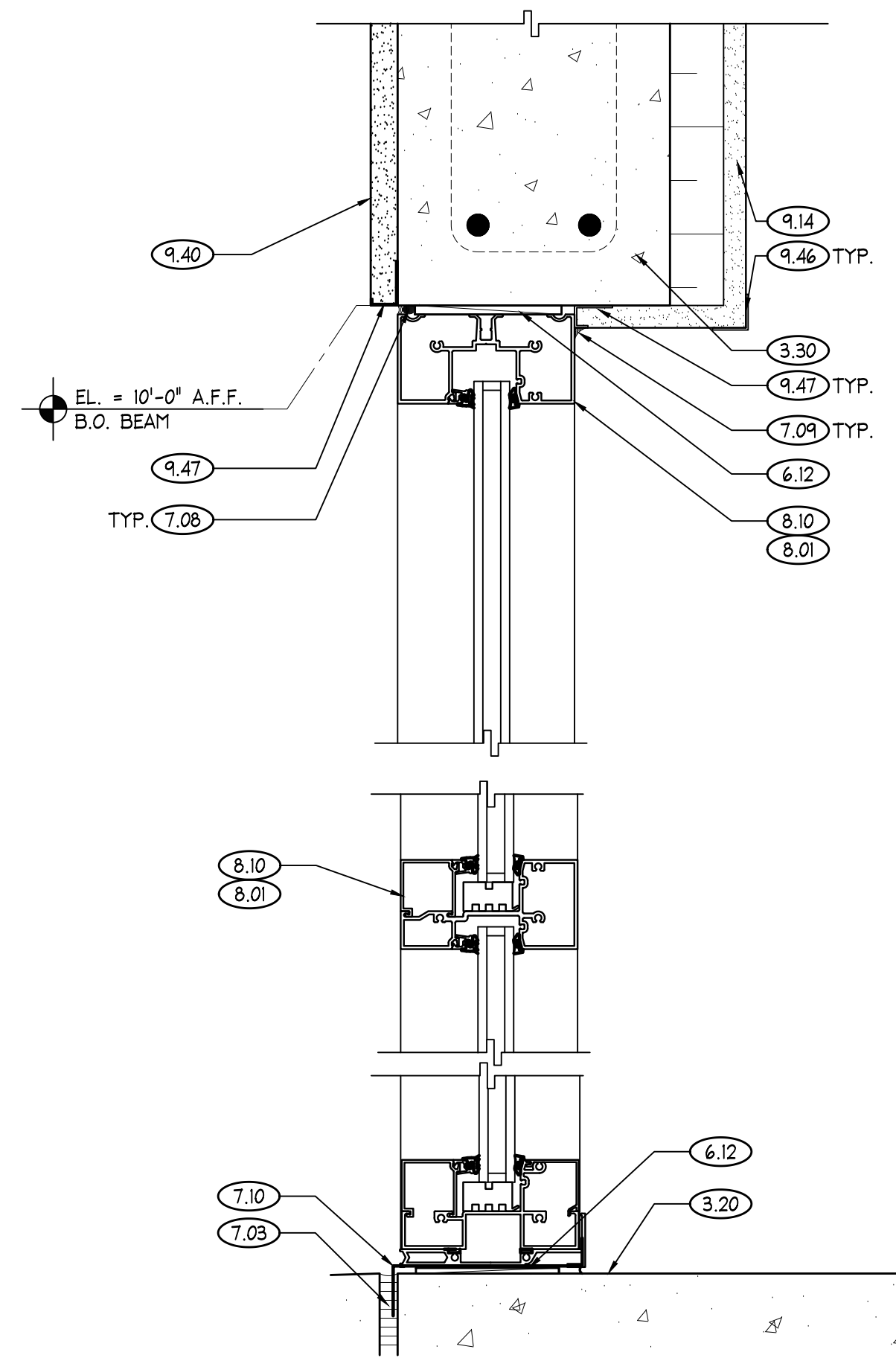
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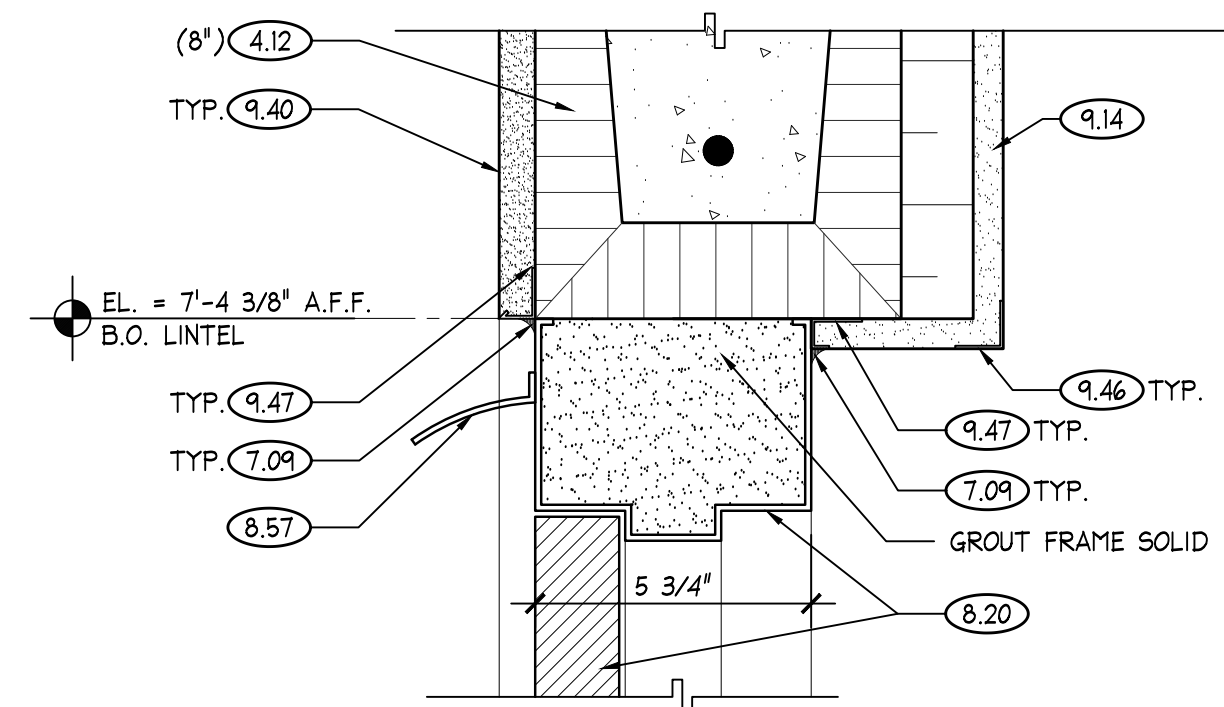
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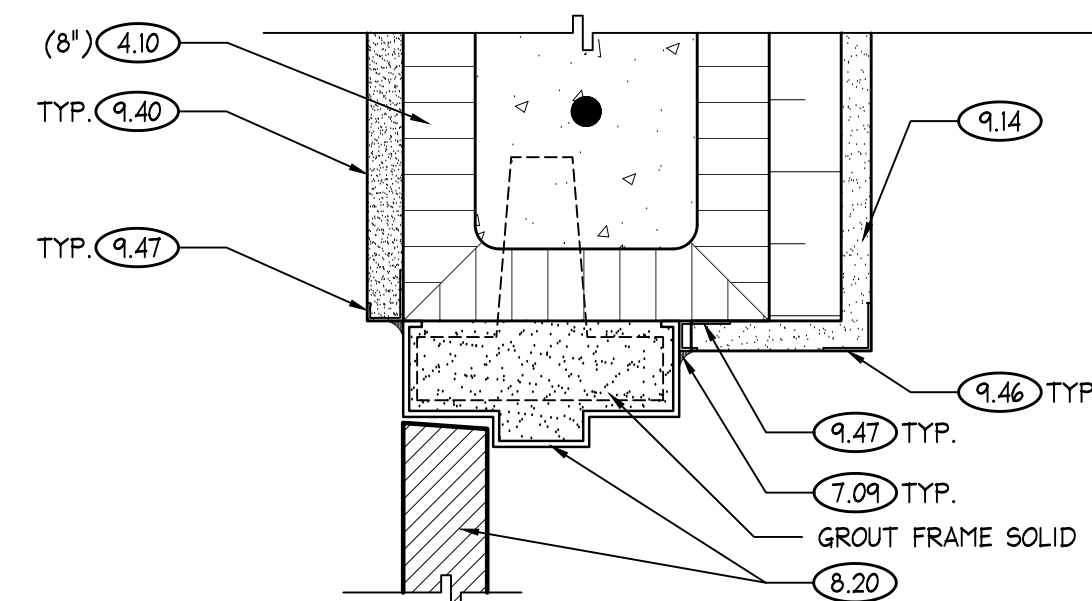
**1 STOREFRONT HEAD/
THRESHOLD DETAIL**
SCALE: 3" = 1'-0"



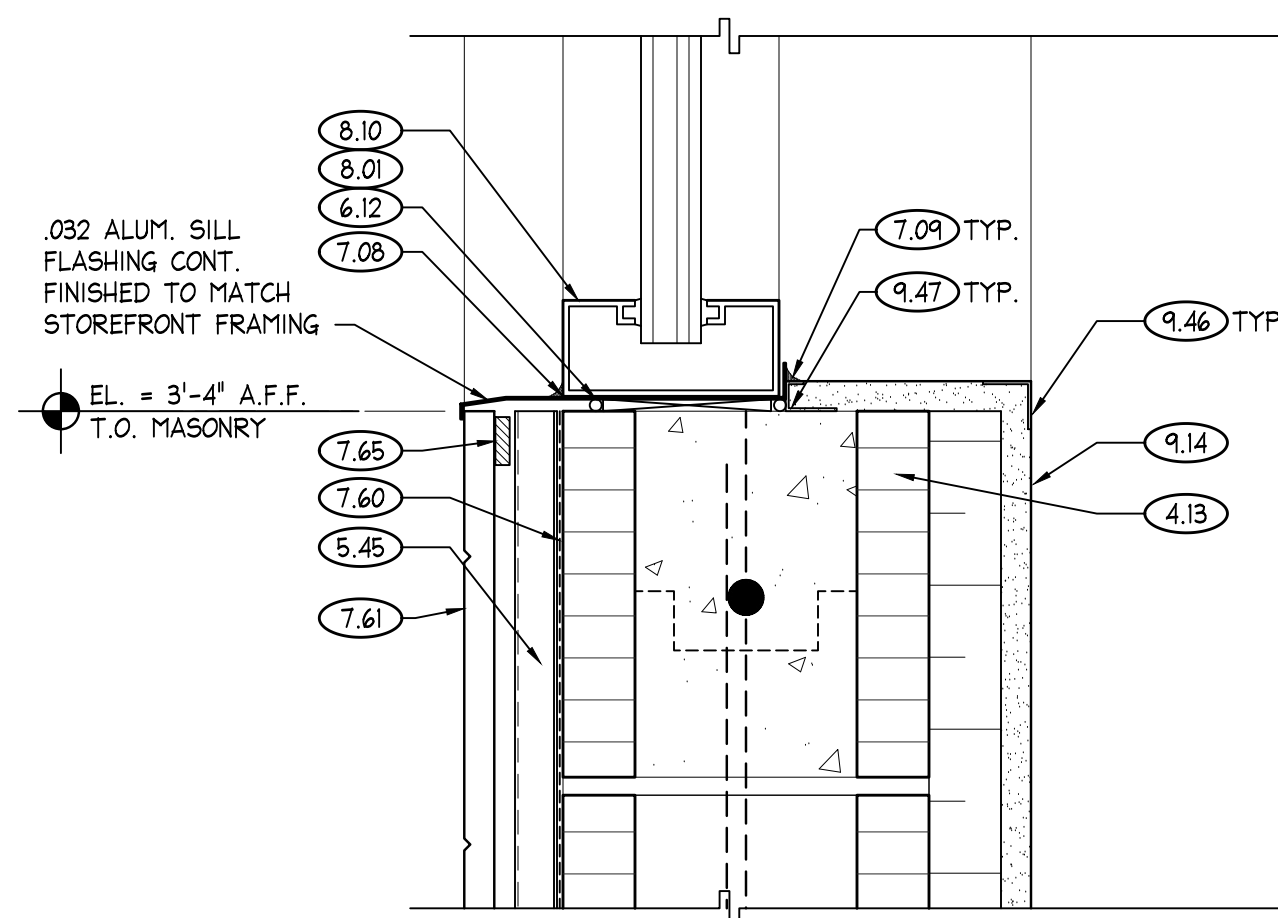
**2 STOREFRONT HEAD/
THRESHOLD DETAIL**
SCALE: 3" = 1'-0"



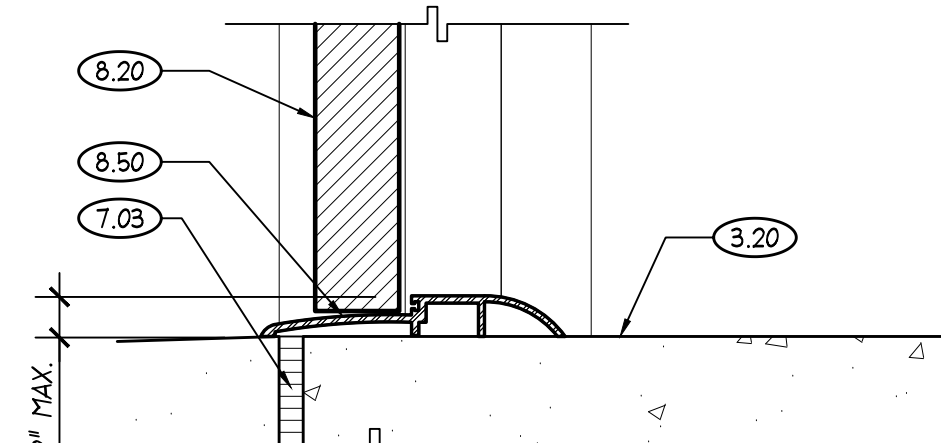
4 DOOR HEAD DETAIL
SCALE: 3" = 1'-0"



5 DOOR JAMB DETAIL
SCALE: 3" = 1'-0"



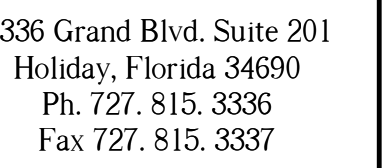
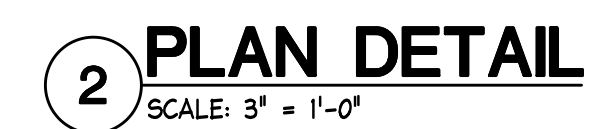
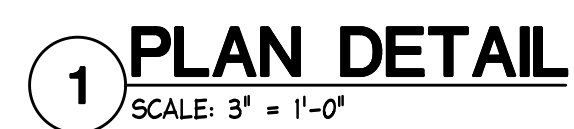
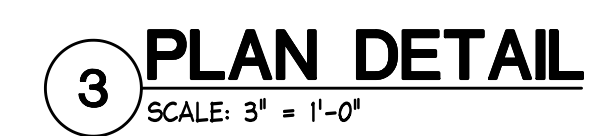
3 SILL DETAIL
SCALE: 3" = 1'-0"



**6 ALUMINUM
THRESHOLD DETAIL**
SCALE: 3" = 1'-0"

no.	date	revision descriptions

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID



GUY F. FABER
L License No. AR0015323

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ORLANDO, FL

23033
omm. no.

A4.2

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

REFER TO SHEET A0.4 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS



3336 Grand Blvd, Suite 201
Holiday, Florida 34690
Ph. 727. 815. 3336
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

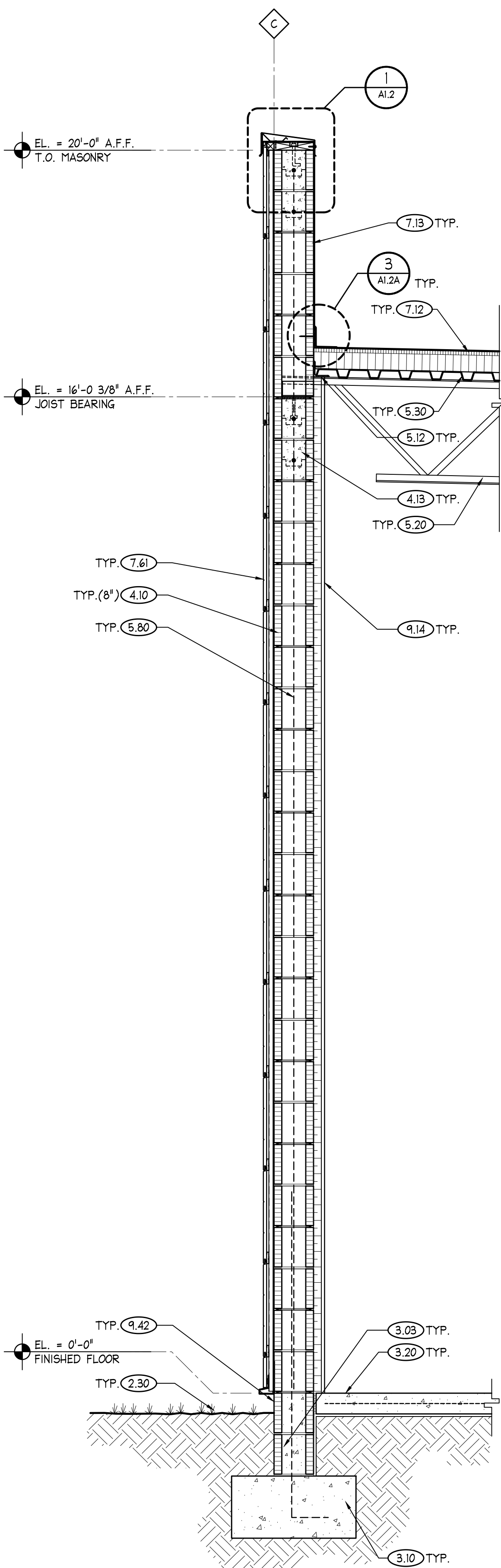
GUY F. FABER
FL License No. AR0015323

revision descriptions				date	no.

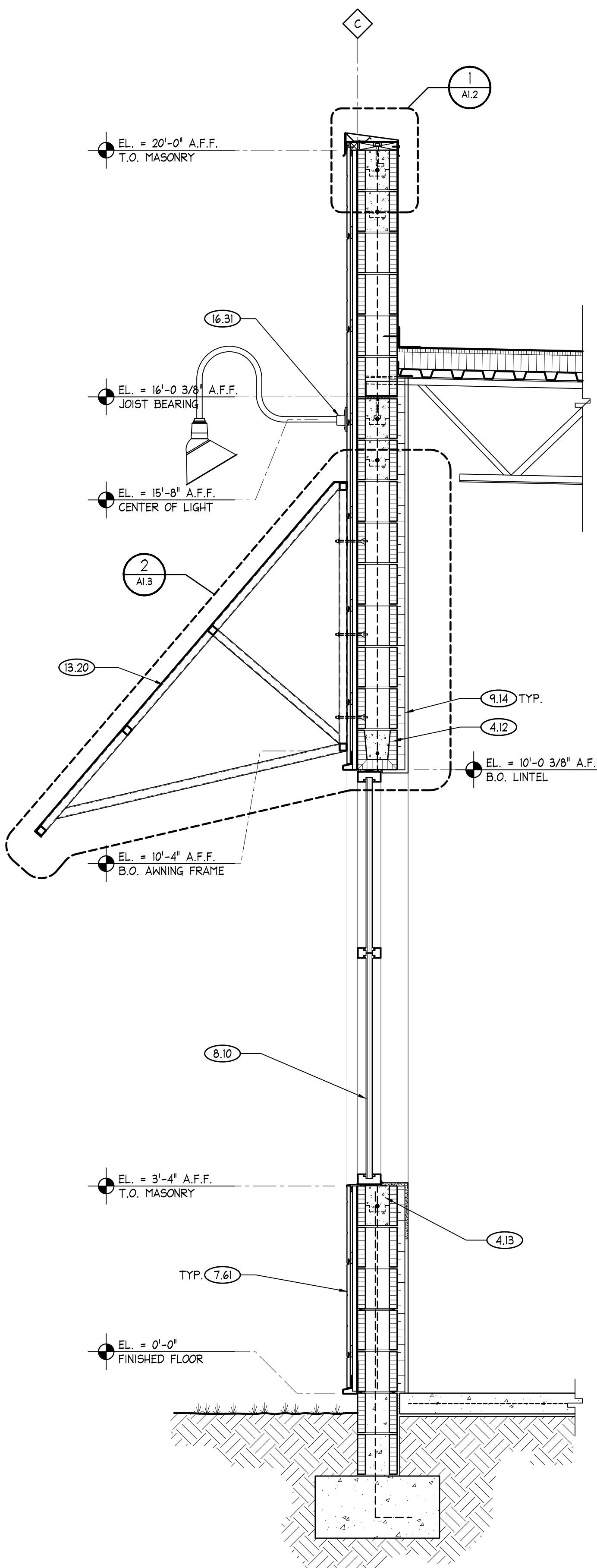
**DENTAL OFFICE
SHELL CONSTRUCTION**
7606 MARCOOSSEE ROAD
ORLANDO, FL

08.25.2023
date
23033
comm. no.
WALL SECTIONS

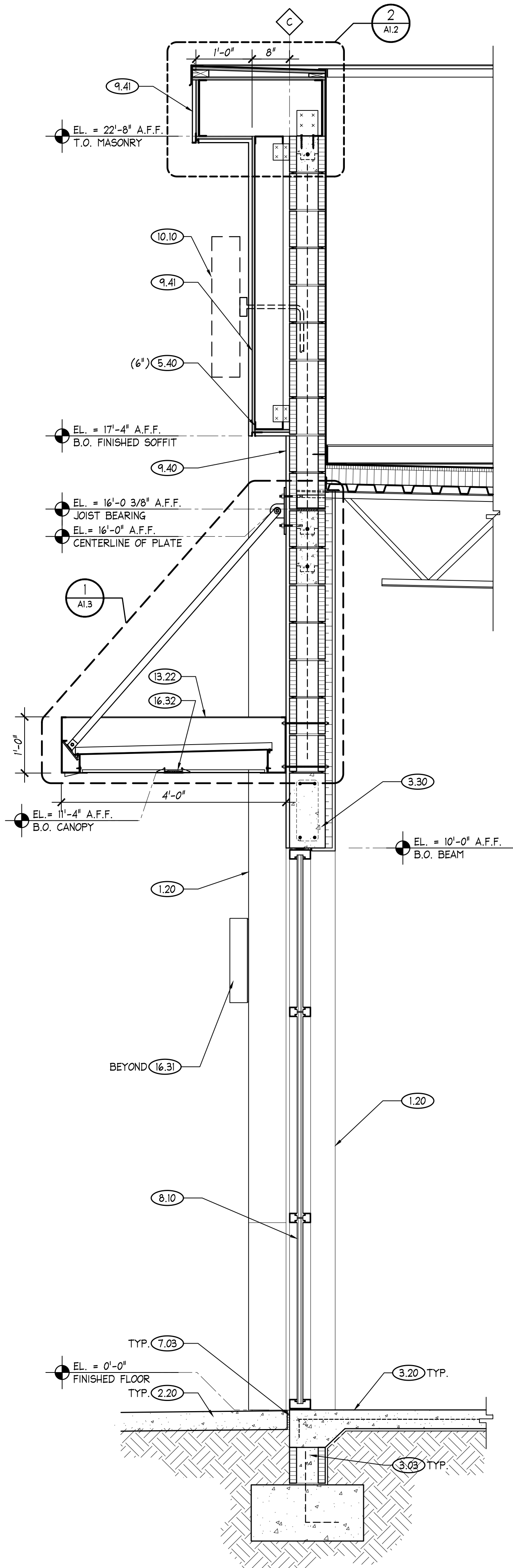
A5.0



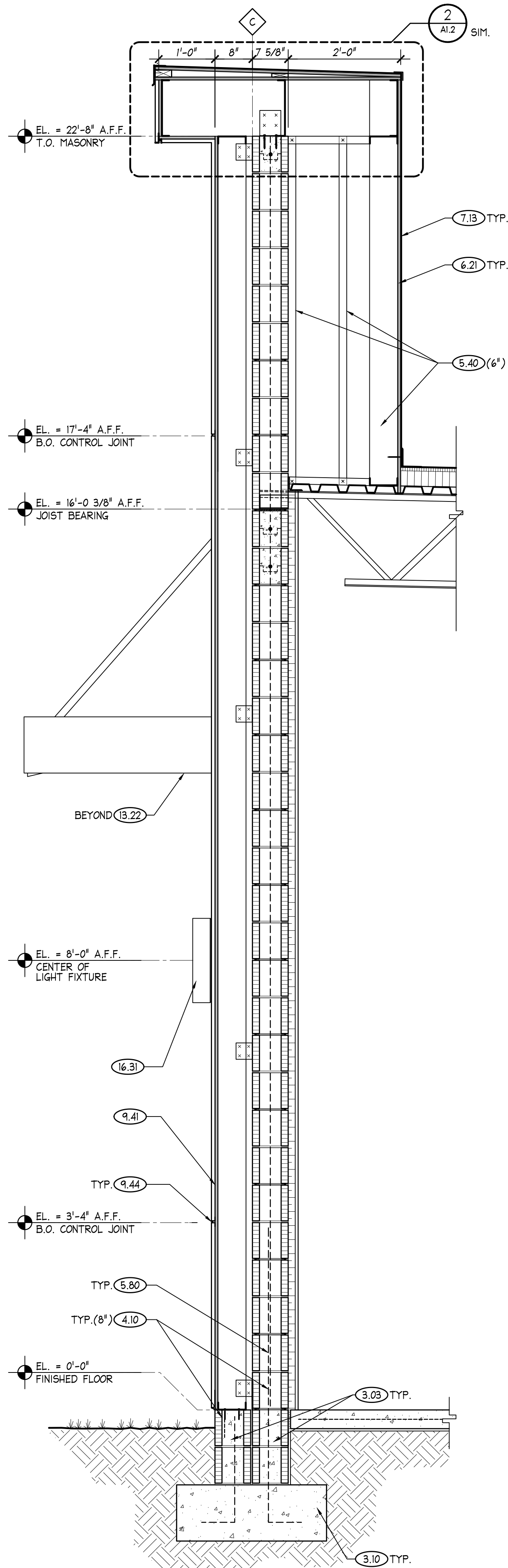
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2 WALL SECTION
SCALE: 3/4" = 1'-0"

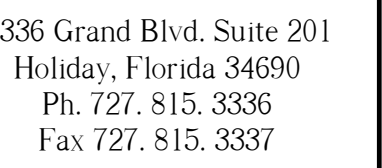


3 WALL SECTION
SCALE: 3/4" = 1'-0"



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

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID



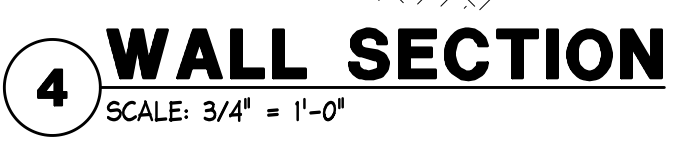
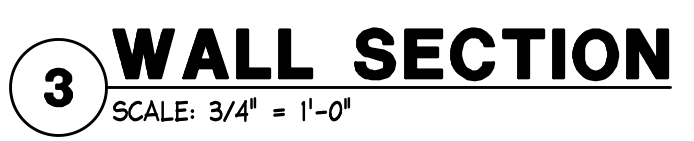
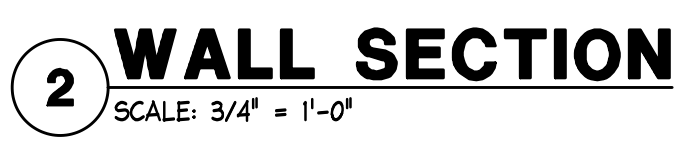
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ORLANDO, FL

WALL SECTIONS

A5.1



TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

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Holiday, Florida 34690
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GUY F. FABER
L License No. AR0015323

ALL STEEL LADDER COMPONENTS SHALL BE SHOP PRIMED AND PAINTED. PROVIDE SLIP RESISTANT PAINT ON LADDER RUNGS. PROVIDE TOUCH UP IN THE FIELD AS REQUIRED

SECURITY GATE PLAN DETAIL

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

4A **PLAN D**
SCALE: 3/4" = 1'-0"

[illegible]

LADDER SAFETY CAGE DETAIL

DENTAL OFFICE
SHELL CONSTRUCTION

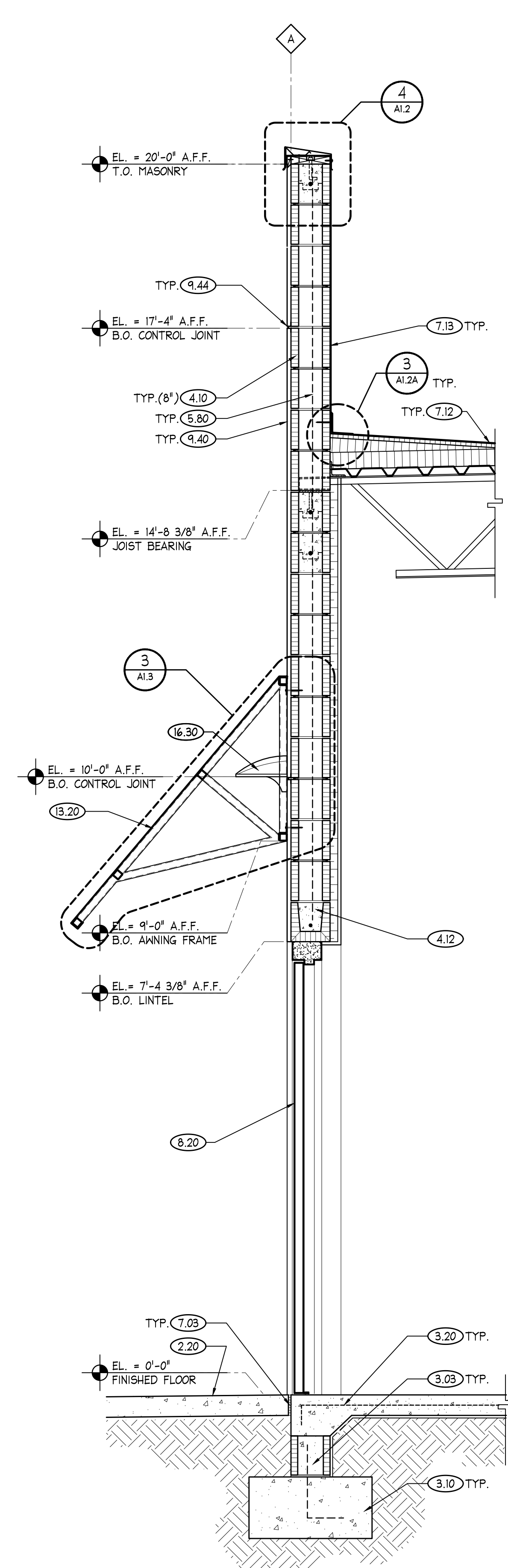
7606 NARCOOSSEE ROAD
ORLANDO, FL

3.25.2023
date

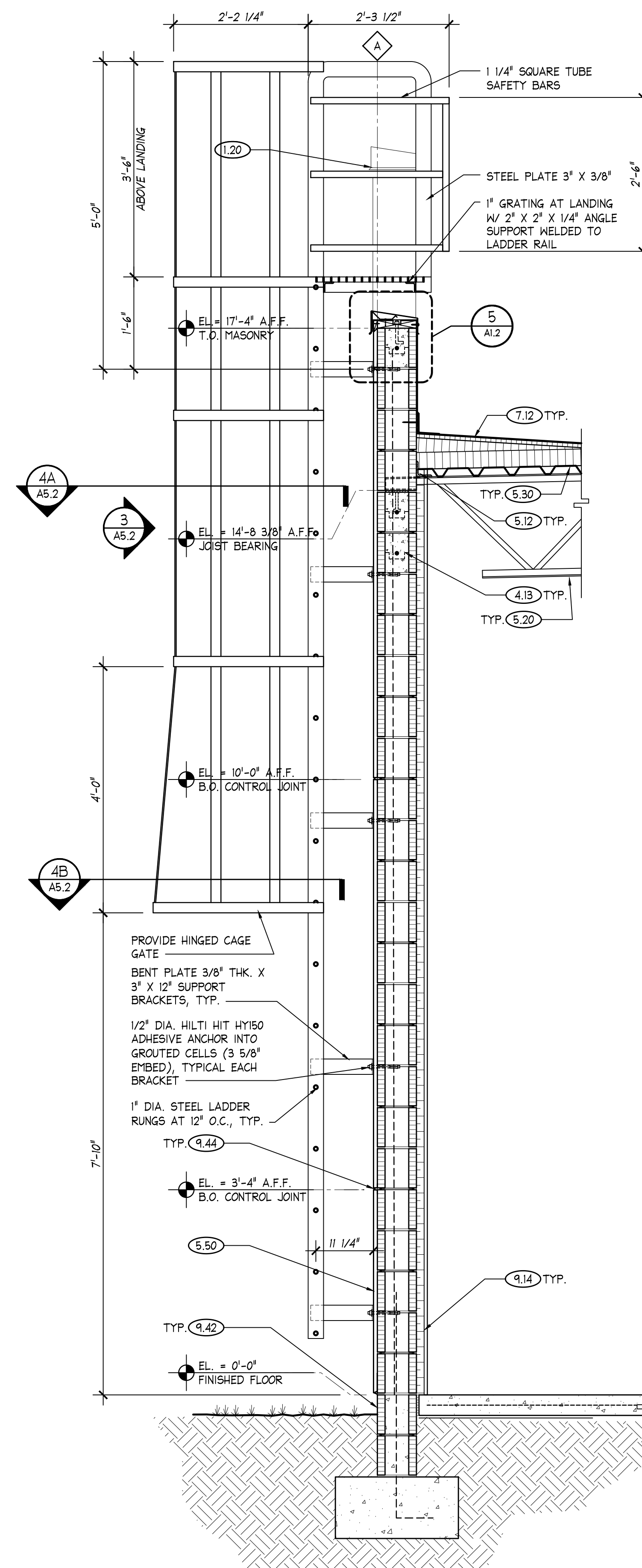
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comm. no.

WALL SECTIONS

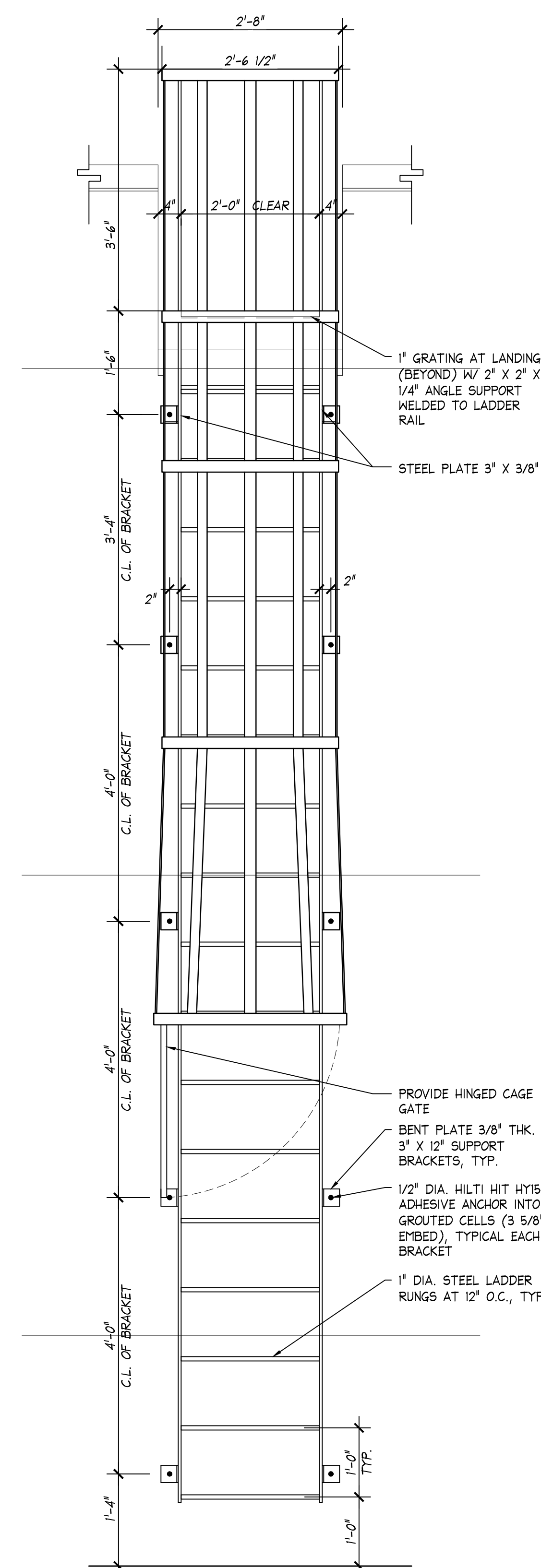
A5.2



1 WALL SECTION



2 WALL SECTION



3 LADDER DETAIL

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FOUNDATION PLAN NOTES:

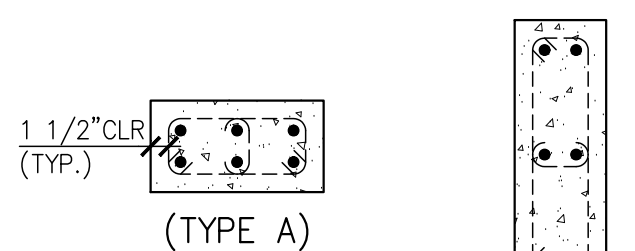
- INTERIOR SLAB-ON-GRADE TO BE 4" THICK ($f'_c = 3,000$ PSI) w/ 6x6 - W1.4xW1.4 W.W.F. ON 10 MIL VAPOR RETARDER OVER COMPACTED GRANULAR BASE AND TERMITE TREATED SOIL, U.N.O. REFER TO ARCHITECTURAL DRAWINGS FOR SLAB FINISH AND FLATNESS REQUIREMENTS. REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL SOIL PREPARATION REQUIREMENTS.
- TOP OF SLAB ELEVATION = 0'-0" U.N.O.
TOP OF EXTERIOR FOOTING ELEVATION = (-) 1'-4" U.N.O.
< > INDICATES TOP OF FOOTING ELEVATION.
- CENTER ALL FOOTINGS BELOW WALL OR COLUMN U.N.O.
- ALL FOOTING REINFORCING TO BE BOTTOM BARS U.N.O.
- PROVIDE 10" MIN. SOIL COVER OVER ALL EXTERIOR FOOTINGS. NOTIFY ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
- REFER TO ARCHITECTURAL/CIVIL FOR EXTERIOR SLAB AND SIDEWALK INFORMATION.
- REFER TO ARCHITECT DRAWINGS FOR ADDITIONAL DIMENSIONS NOT SHOWN.
- REFER TO ARCHITECTURAL/PLUMBING DRAWINGS FOR FIXTURE/DRAIN LOCATIONS AND REQUIREMENTS.
- SEE PLAN FOR MASONRY CONTROL JOINT (M.C.J.) LOCATIONS. COORDINATE WITH ARCHITECTURAL ELEVATIONS. REFER TO 3/S4.1 FOR MASONRY CONTROL JOINT DETAIL.
- ALL WALL FOOTINGS TO BE TYPE "WF2" U.N.O.
- PROVIDE CORNER BARS AT ALL CORNERS AND INTERSECTIONS OF CONTINUOUS FOOTINGS. REFER TO DETAIL 2/S4.1 FOR MORE INFO.
- REFER TO 7/S4.1 FOR PIPE PENETRATION DETAIL.
- REFER TO CIVIL DRAWINGS FOR BUILDING LOCATION AND BUILDING ORIENTATION ON THE SITE.
- REFER TO 1/S0.1 FOR DESIGN WIND CRITERIA.

FOOTING SCHEDULE

MARK	SIZE	DEPTH	REINFORCING	COMMENTS
WF2	2'-0" WIDE X CONT.	1'-0"	(3) #5 CONT. W/ #5 TRANSV. AT 48" O.C. BOTTOM	WALL FOOTING
F4	4'-0" X 4'-0"	1'-0"	(4) #5 EACH WAY, BOTTOM	COLUMN FOOTING
F5	5'-0" X 5'-0"	1'-0"	(5) #5 EACH WAY, BOTTOM	COLUMN FOOTING
F7	7'-0" X 7'-0"	1'-6"	(8) #6 EACH WAY, TOP AND BOTTOM	COLUMN FOOTING

CONCRETE COLUMN SCHEDULE

MARK	SIZE	VERTICAL REINFORCING	HORIZONTAL TIES	COMMENTS
C1	8" X 16"	(6) #6	#3 AT 8"	TYPE A
C2	8" X 24"	(6) #6	#3 AT 8"	TYPE B

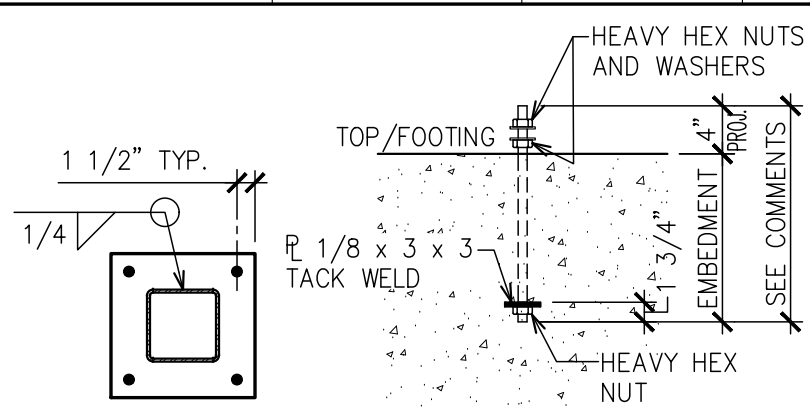


(TYPE B)

- TIE CONCRETE COLUMNS INTO ADJACENT LOAD-BEARING MASONRY USING ONE OF THE FOLLOWING METHODS:
 - INSTALL DOVETAIL ANCHORS AT 16" O.C. VERTICAL
 - TURN 1/2 BLOCK ON ITS SIDE EVERY OTHER COURSE TO ALLOW CONCRETE POUR TO BE KEED INTO MASONRY.
- REBAR DETAILER TO COORDINATE w/ DETAIL 3/S4.2
- EXTEND HORIZONTAL JOINT REINFORCING 2" INTO TIE COLUMNS, TYP.
- ALL CONCRETE COLUMNS SHALL BE CONTINUOUS FROM FOUNDATION TO MASONRY ROOF TIE BEAM. HOOK VERTICAL BARS WITH TIE BEAM BARS.

STEEL COLUMN SCHEDULE

MARK	COLUMN SIZE	BASE PLATE	BASE PLATE TYPE	COMMENTS
HSS-6	HSS 6 X 6 X 5/16	3/4 X 12 X 12	TYPE A	(4) 3/4" X 18" F1554-GR36 ANCHOR BOLTS

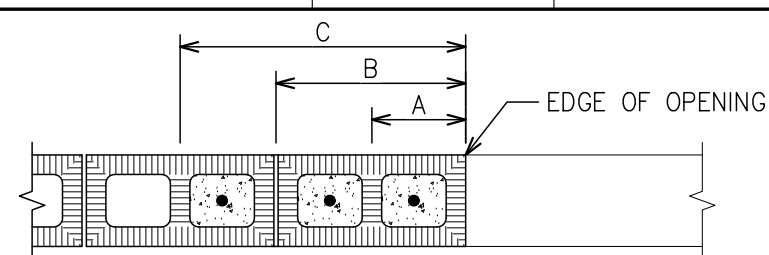


(TYPE A)

(TYP. ANCHOR BOLT)

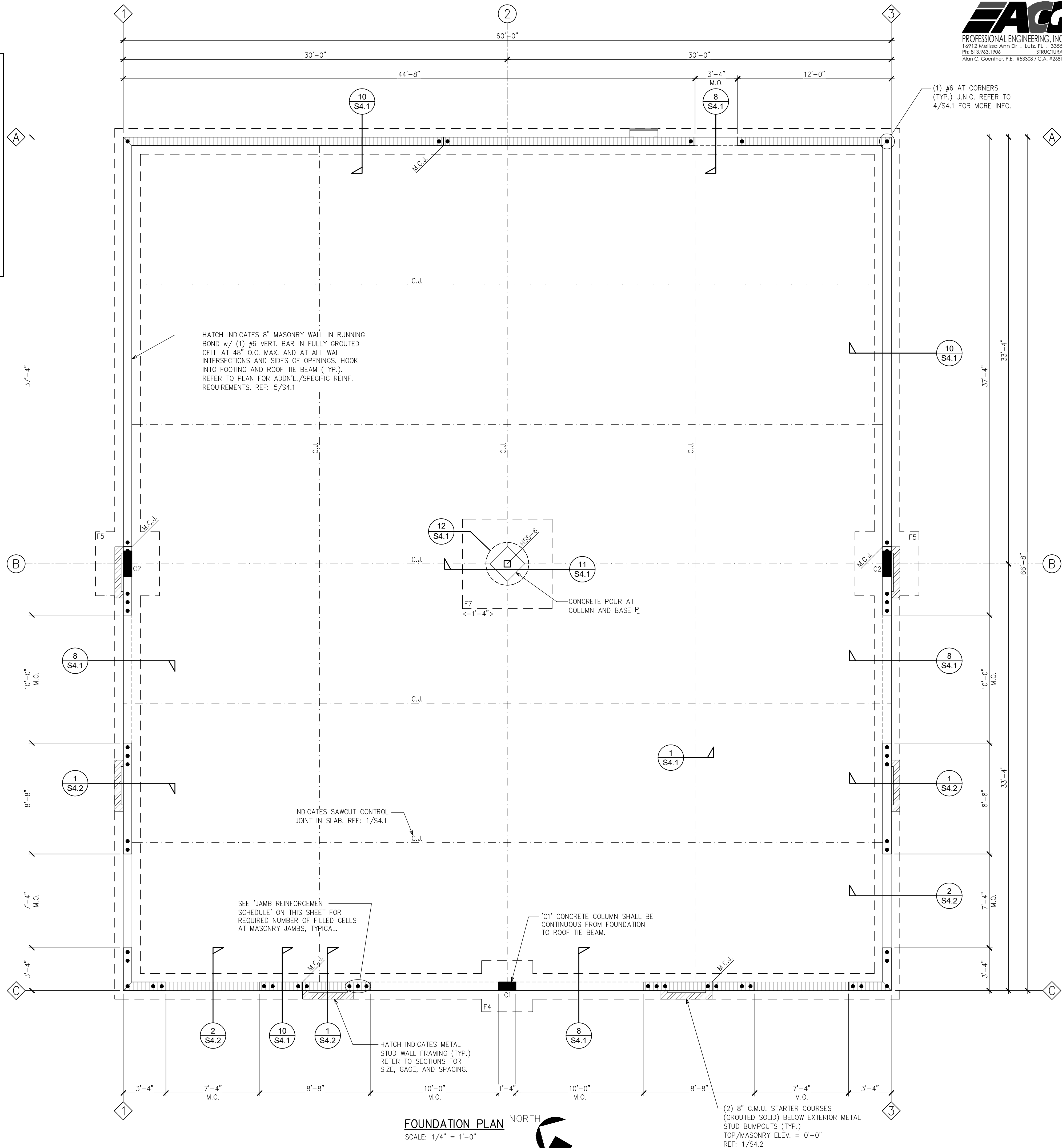
JAMB REINFORCEMENT SCHEDULE

MARK	OPENING WIDTH	GROUTED CELL(S)	REINFORCEMENT PER CELL
A	LESS THAN 4'-8"	1	(1) #6 BAR
B	4'-8" TO LESS THAN 8'-0"	2	(1) #6 BAR
C	8'-0" TO LESS THAN 13'-0"	3	(1) #6 BAR



(PLAN VIEW)

- REFER TO FOUNDATION PLAN FOR ADDITIONAL GROUTED CELL REQUIREMENTS.
- ALL GROUTED CELL BARS AT JAMB TO HOOK INTO FOUNDATION AND TIE BEAM.



FOUNDATION PLAN

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

NORTH

(2) 8" C.M.U. STARTER COURSES (GROUTED SOLID) BELOW EXTERIOR METAL STUD BUMP-OUTS (TYP.) TOP/MASONRY ELEV. = 0'-0" REF: 1/S4.2

no.	date	revision descriptions

DENTAL OFFICE
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08.25.2023

date

23033

comm. no.

FOUNDATION
PLAN

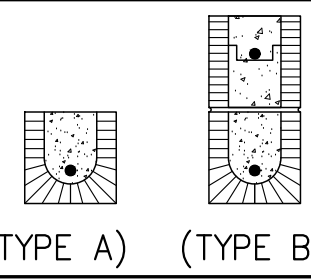
S1.1

ROOF FRAMING PLAN NOTES:

- METAL ROOF DECK TO BE 1 1/2" DEEP, 22 GA., GALVANIZED (G60), TYPE "B". FASTEN ROOF DECK W/ (5) 5/8" DIAMETER PUDDLE WELDS AT EACH SUPPORT AND (4) #10 TEK SCREW SIDELAP FASTENERS EQUALLY SPACED BETWEEN SUPPORTS. REFER TO 8/S4.2
- JOIST SPACING = SEE PLAN.
- ROOF SLOPE = 1/4" PER FOOT (MIN.) U.N.O.
- CONTRACTOR TO COORDINATE SIZE, WEIGHT, AND LOCATION OF MECHANICAL EQUIPMENT AND PENETRATIONS WITH MECHANICAL EQUIPMENT SHOP DRAWINGS PRIOR TO JOIST FABRICATION. REFER TO DETAILS 1/S4.3 AND 2/S4.3
- MECHANICAL CONTRACTOR SHALL VERIFY THAT WEIGHT OF ACTUAL EQUIPMENT INSTALLED DOES NOT EXCEED MAXIMUM OPERATING WEIGHT OF EQUIPMENT SHOWN ON PLAN.
- INSTALL ROOF TOP EQUIPMENT ON DESIGNATED "SP" JOISTS. DO NOT PLACE ANY ROOF TOP EQUIPMENT ON STANDARD "K" SERIES JOISTS.
- J.B. < > = JOIST BEARING ELEVATION. REFER TO PLAN.
- () = TOP OF STEEL ELEVATION.
- REFER TO 10/S4.2 FOR DECK ANGLE SPLICE.
- S.M. = INDICATES STEP TOP/MASONRY PARAPET.
- REFER TO 1/S0.1 FOR DESIGN WIND CRITERIA.

CONCRETE LINTEL SCHEDULE

MARK	SIZE	REINFORCING BARS	COMMENTS
L-1	8" X 8"	(1) #5 CONT.	TYPE A
L-2	8" X 16"	(2) #5 CONT.	TYPE B (10'-0 3/8")

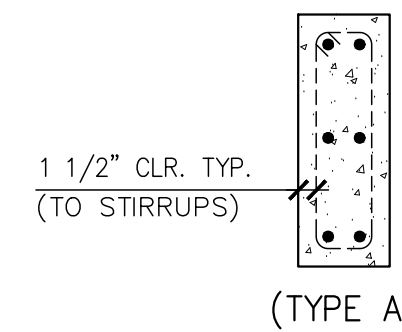


(TYPE A) (TYPE B)

- REFER TO 6/S4.1 FOR ADDITIONAL PRECAST LINTEL REQUIREMENTS.
- ALL LINTELS AND KNOCK-OUT BLOCKS TO BE GROUTED SOLID.
- (X'-X") INDICATES BOTTOM OF PRECAST LINTEL ELEVATION.

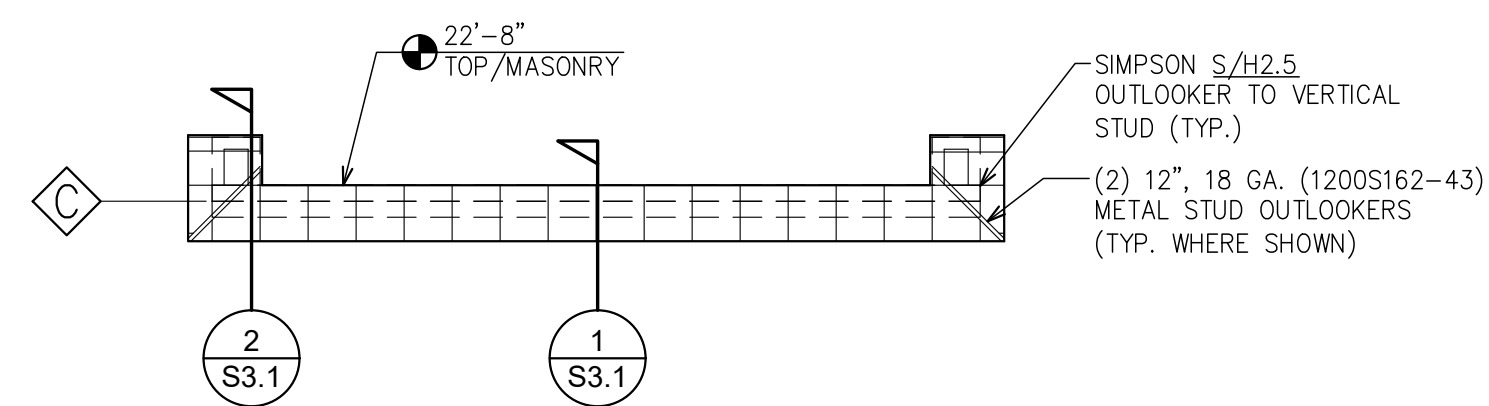
CONCRETE BEAM SCHEDULE

MARK	SIZE	REINFORCING		COMMENTS
		CONT. BARS	STIRRUPS	
CB-1	8" X 24"	(2) #6 TOP, MID. AND BOTTOM	#3 AT 10" O.C.	TYPE A (BOTT./BM. = 10'-0 3/8")



(TYPE A)

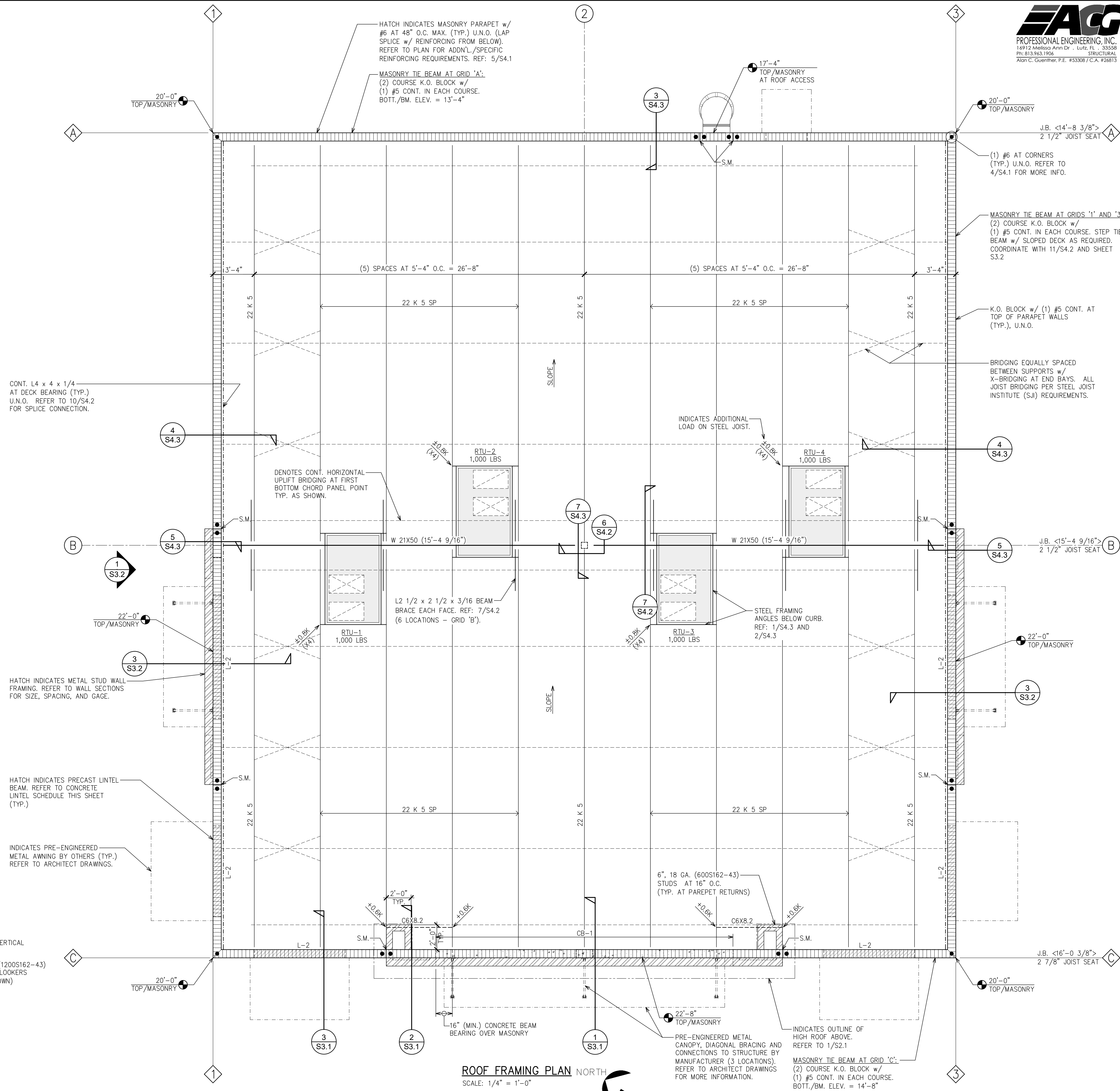
- NOTES:
- REFER TO 4/S4.2 FOR TYPICAL CONCRETE BEAM REINFORCING DETAIL.
 - BEAM DEPTHS MAY BE INCREASED AS REQUIRED FOR MASONRY COURSING. COORDINATE WITH ARCHITECTURAL REQUIREMENTS.



1 TOWER ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

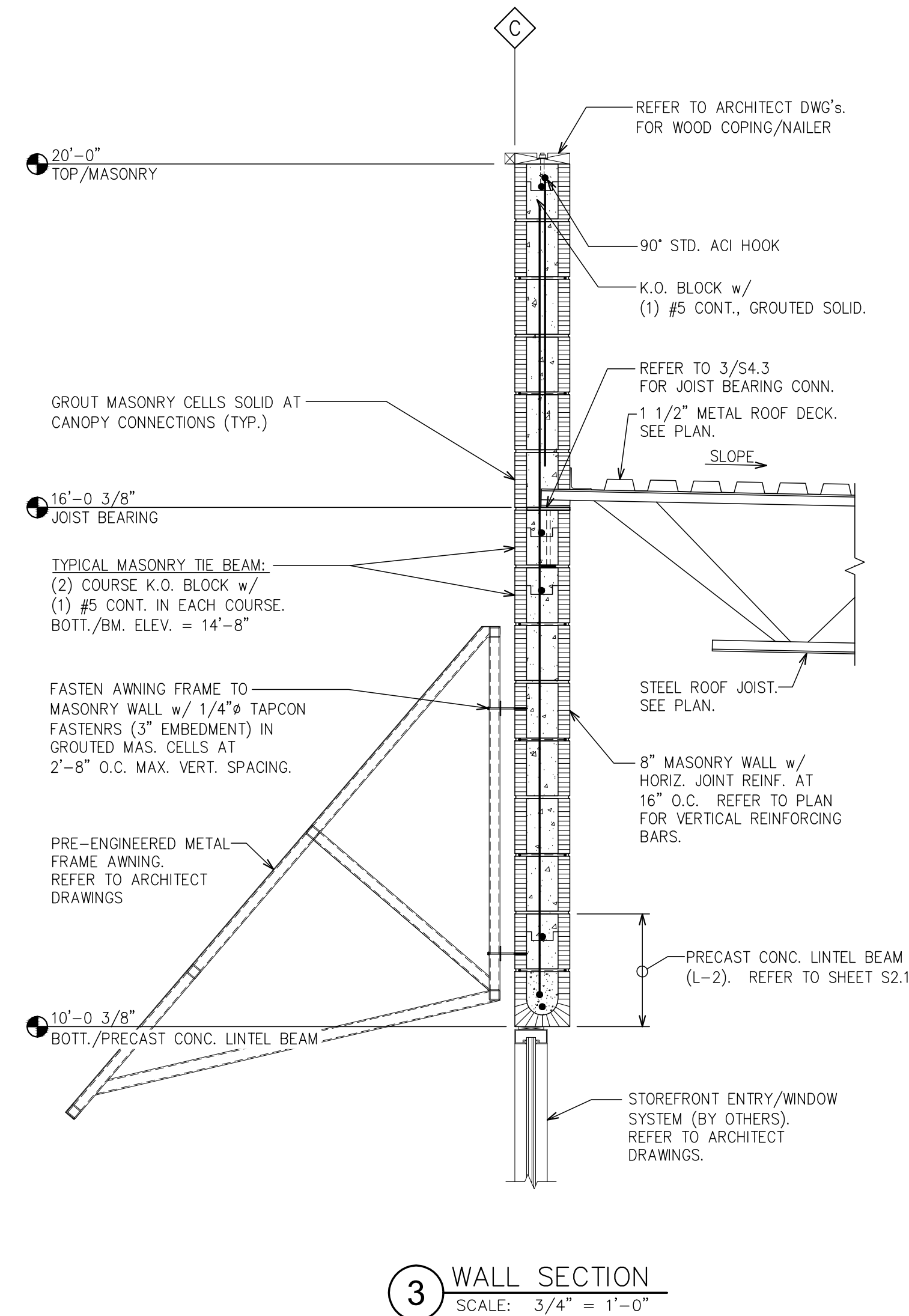
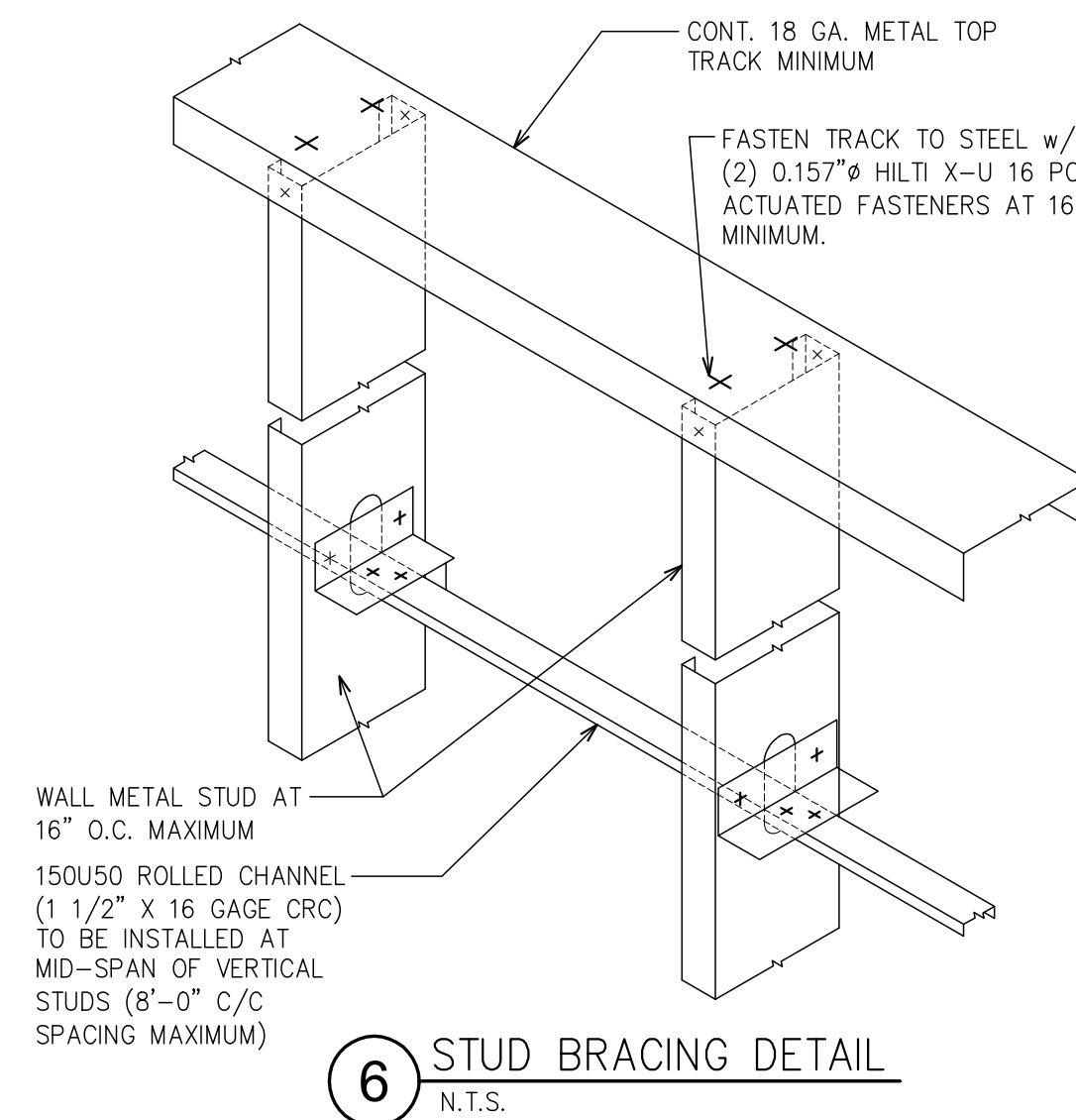
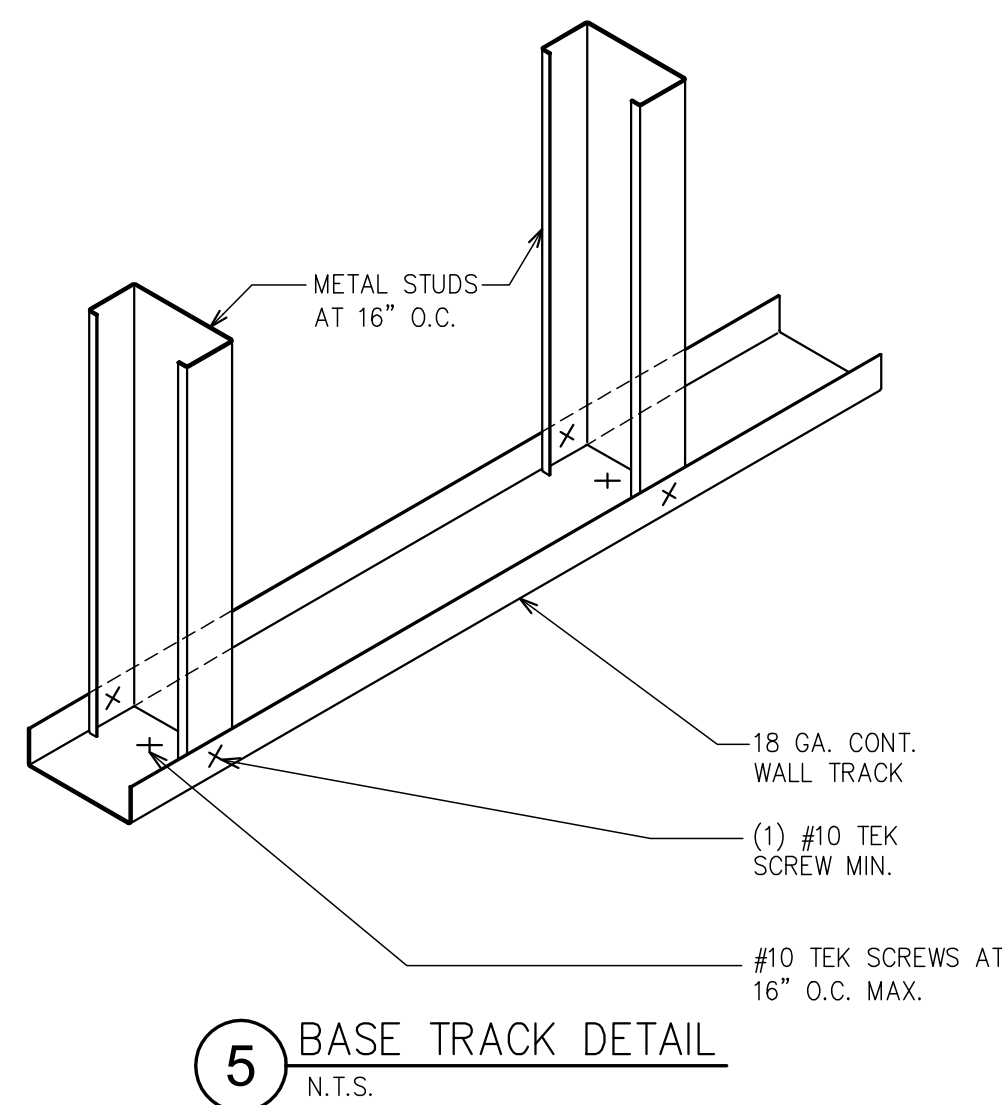
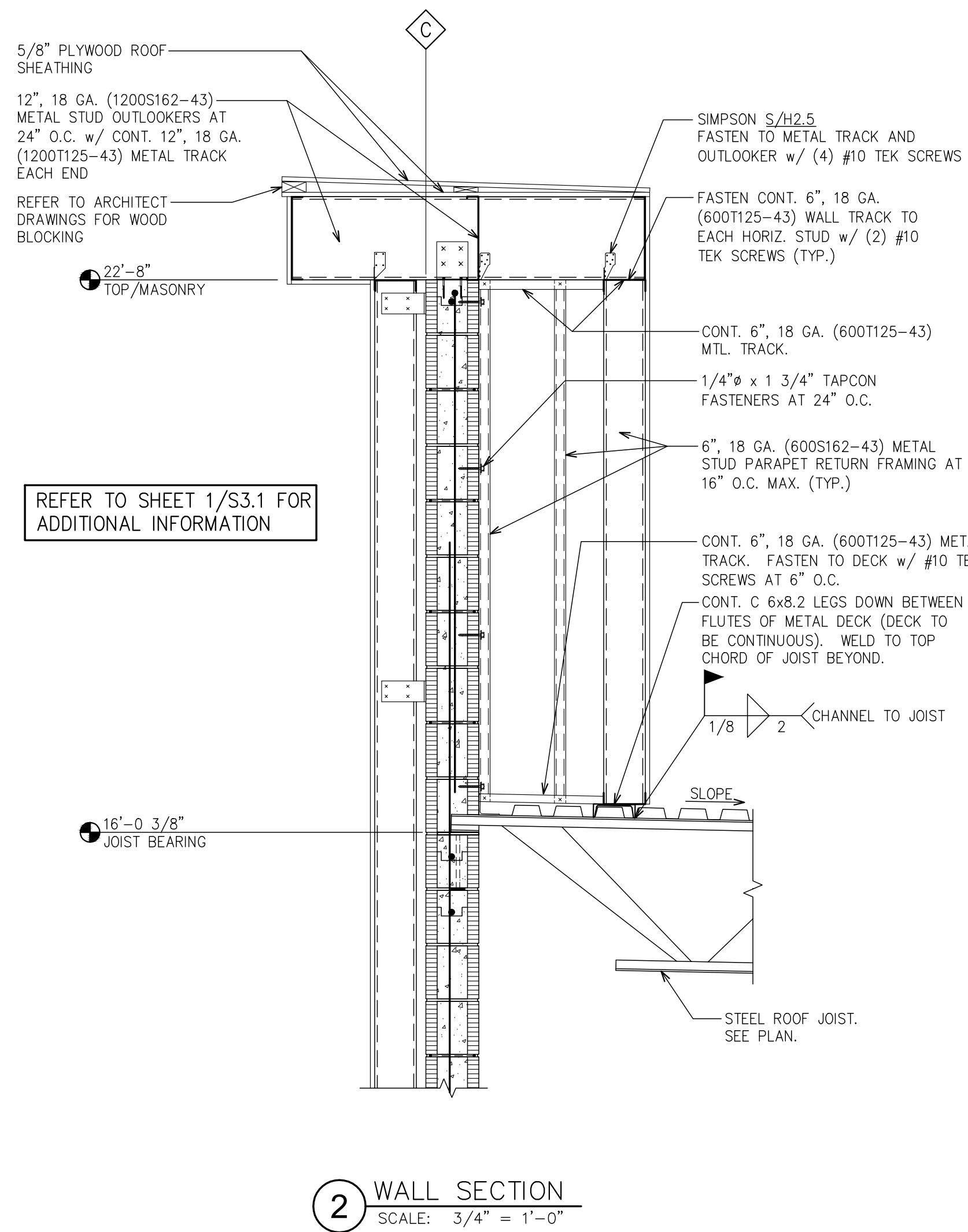
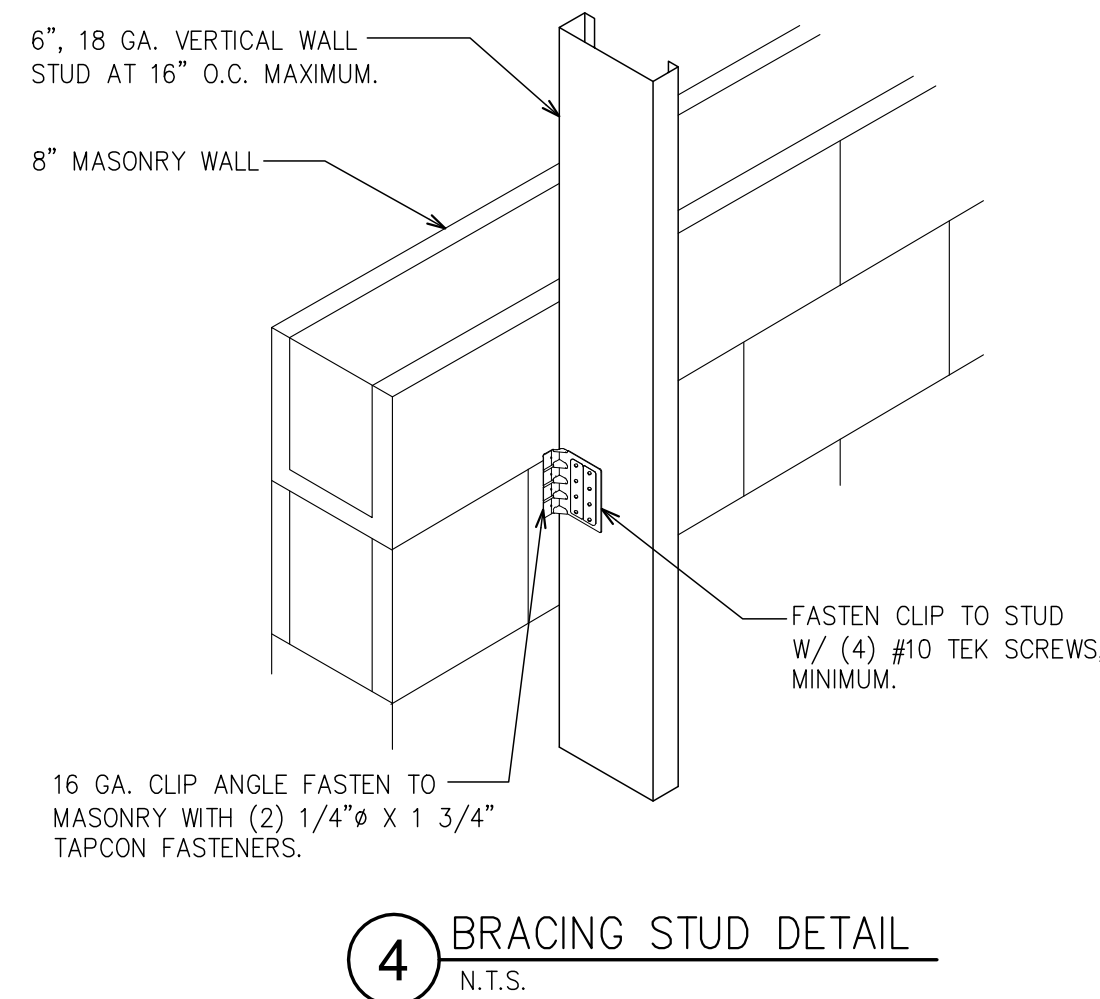
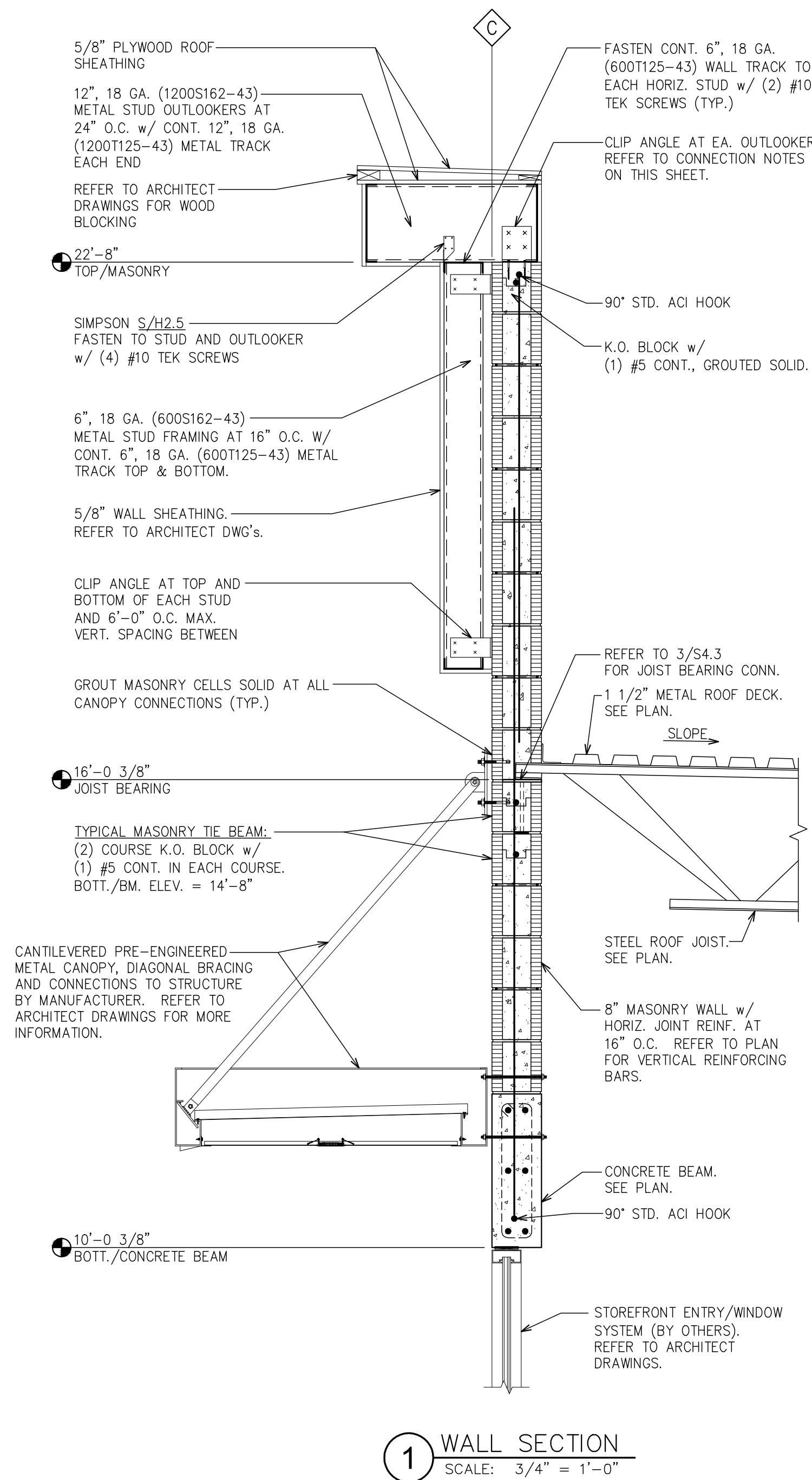
HIGH ROOF FRAMING PLAN NOTES:

- ROOF FRAMING TO BE 12", 18 GA. (1200S162-43) METAL STUD OUTLOOKERS AT 24" O.C.
- REFER TO SHEET S3.1 FOR LIGHT GAUGE FRAMING CONNECTIONS (ROOF PLYWOOD) FOR ADDITIONAL INFORMATION.



ROOF FRAMING PLAN NORTH
SCALE: 1/4" = 1'-0"

no.	date	revision descriptions



LIGHT GAUGE FRAMING CONNECTIONS:

- CLIP ANGLE (MINIMUM): 16 GA. L 3 x 2 x 0-4
- METAL STUDS AND/OR CLIP ANGLES SHALL BE CONNECTED TO STRUCTURAL STEEL (3/16" MIN. THICKNESS) WITH (4) 0.157" HILTI X-U 16 POWDER ACTUATED FASTENERS (PAF).
- METAL STUDS AND/OR CLIP ANGLES SHALL BE CONNECTED TO METAL STUDS WITH MINIMUM (4) #10 TEK SCREWS.
- METAL TRACK/RUNNER SHALL BE CONNECTED TO METAL STUD WITH (1) #10 TEK SCREW AT EACH FLANGE (2 SCREWS TOTAL PER STUD).
- CONTINUOUS METAL STUD TRACKS SHALL BE CONNECTED TO STRUCTURAL STEEL WITH (2) 0.157" HILTI X-U 16 POWDER ACTUATED FASTENERS AT 12" O.C. MINIMUM.
- CONTINUOUS TRACKS SHALL BE FASTENED TO CONCRETE AND/OR MASONRY WITH (1) 1/4" x 1 3/4" TAPCON FASTENERS AT 16" O.C.
- CLIP ANGLES SHALL BE FASTENED TO CONCRETE/MASONRY WITH (3) 1/4" x 1 3/4" TAPCON FASTENERS.
- CONNECT PLYWOOD SHEATHING TO METAL STUDS WITH #10 TEK FLATHEAD SCREWS AT 6" O.C. AT PANEL EDGES AND AT 8" O.C. AT INTERIOR SUPPORTS.
- CONNECT 5/8" THICK DENSGLASS SHEATHING TO METAL STUDS WITH #6 1-1/4" BUGLE HEAD (FINE THREAD) SCREWS AT 6" O.C. AT PANEL EDGES AND AT 6" O.C. AT INTERIOR SUPPORTS (MINIMUM).
- AS REQUIRED, THE CONTRACTOR SHALL PROVIDE CLIP ANGLES FOR ALL METAL STUDS SO PROPER ALIGNMENT CAN BE ATTAINED. SEE FASTENING REQUIREMENTS ABOVE.

LIGHT GAUGE FRAMING NOTES:

- A. THE LIGHT GAUGE MEMBER SIZES INDICATED ON THE DRAWINGS ARE A MINIMUM DEPTH AND GAUGE REQUIRED TO MEET THE DESIGN INTENT AND ARE BASED ON THE PROPERTIES AND MATERIALS OF THE STEEL STUD MANUFACTURERS' ASSOCIATION (SSMA) STANDARDS. ANY MANUFACTURER WHOSE PRODUCT GEOMETRIES MEETS OR EXCEED THE SSMA STANDARDS ARE ACCEPTABLE.

revision descriptions			
no.	date		

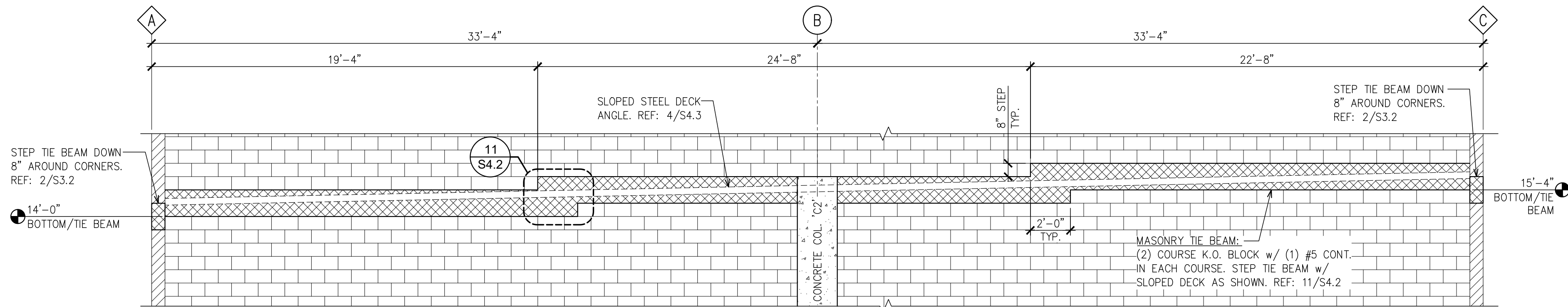
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ORLANDO, FL

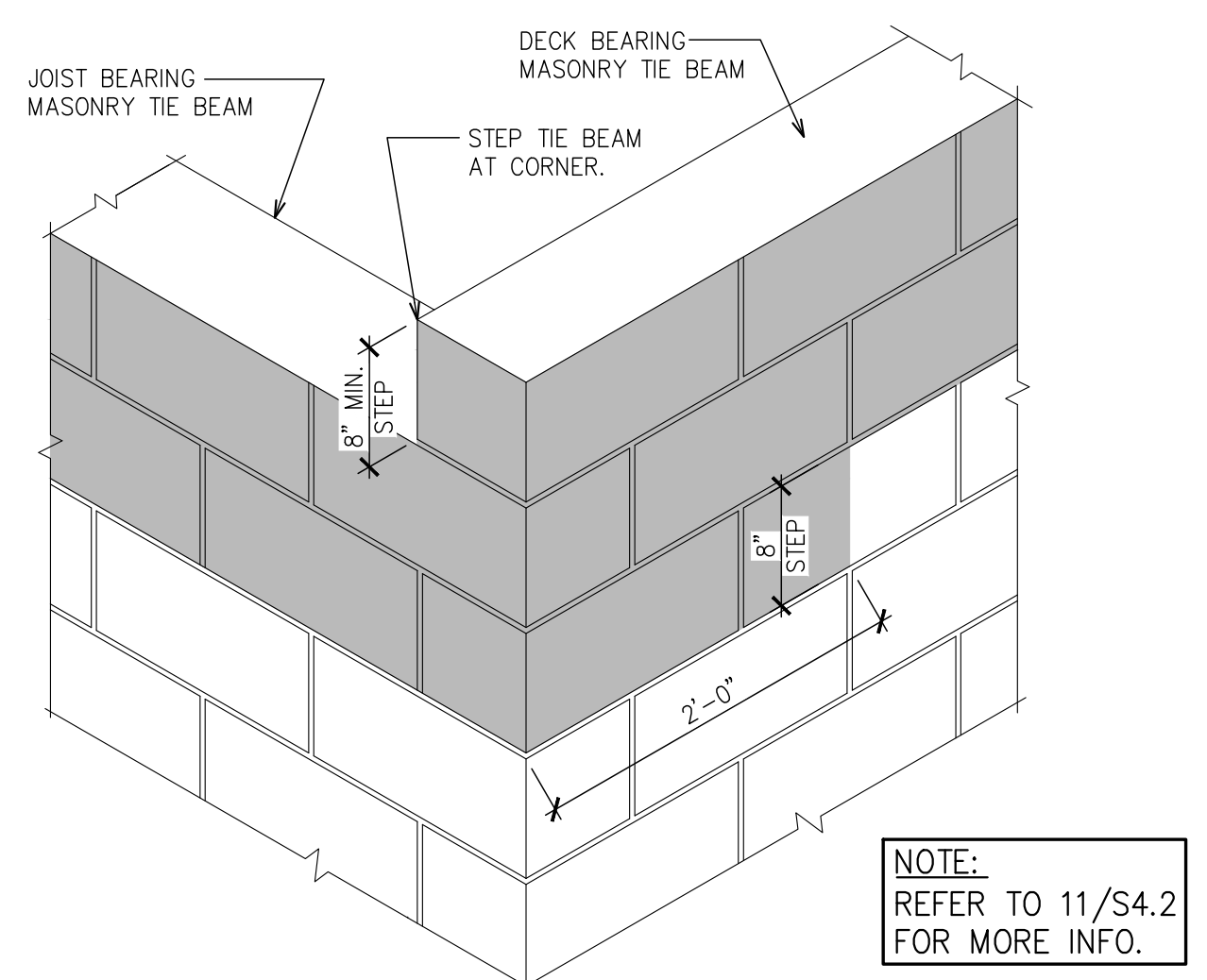
08.25.2023
date
23033
comm. no.

WALL SECTIONS
AND ELEVATIONS

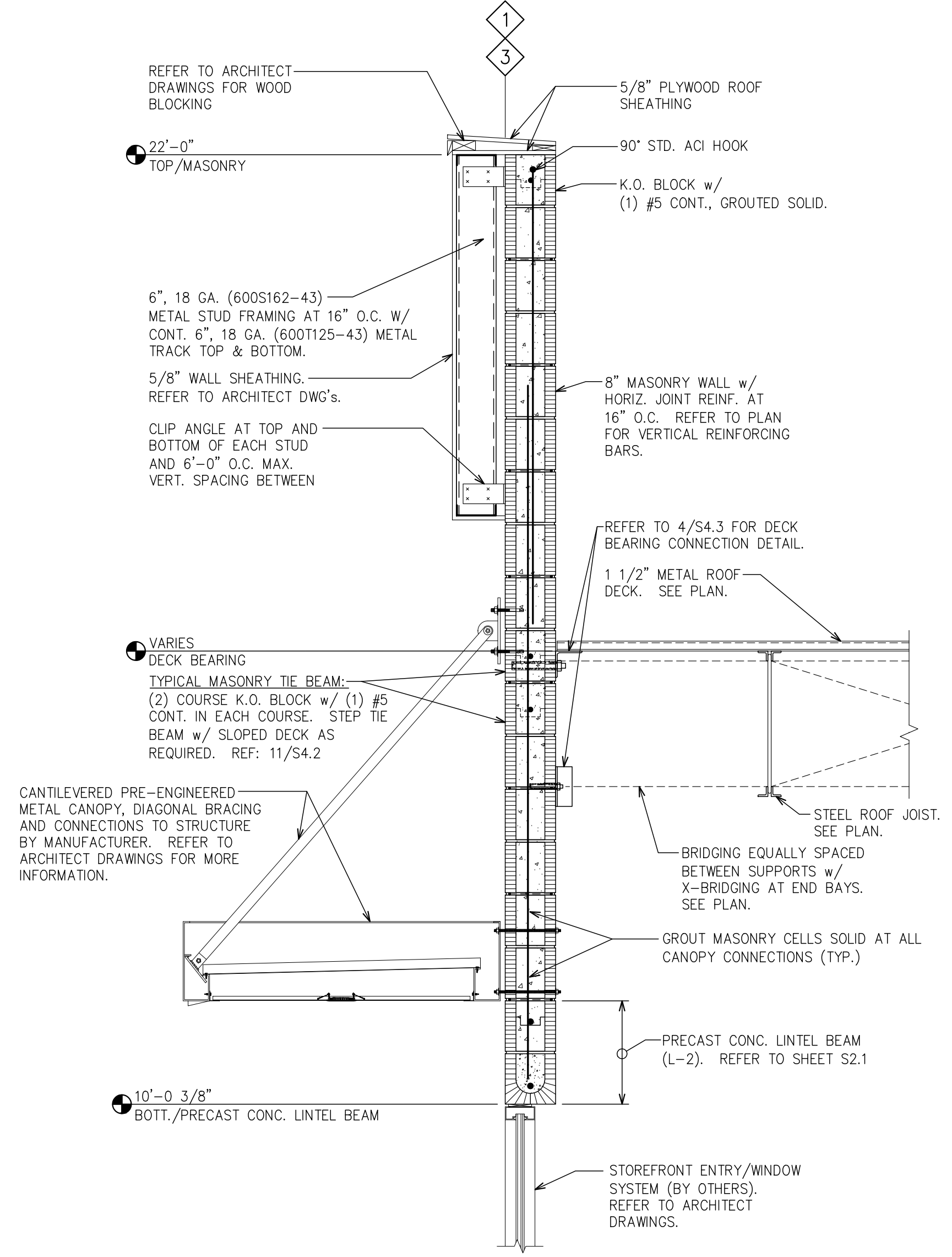
S3.2



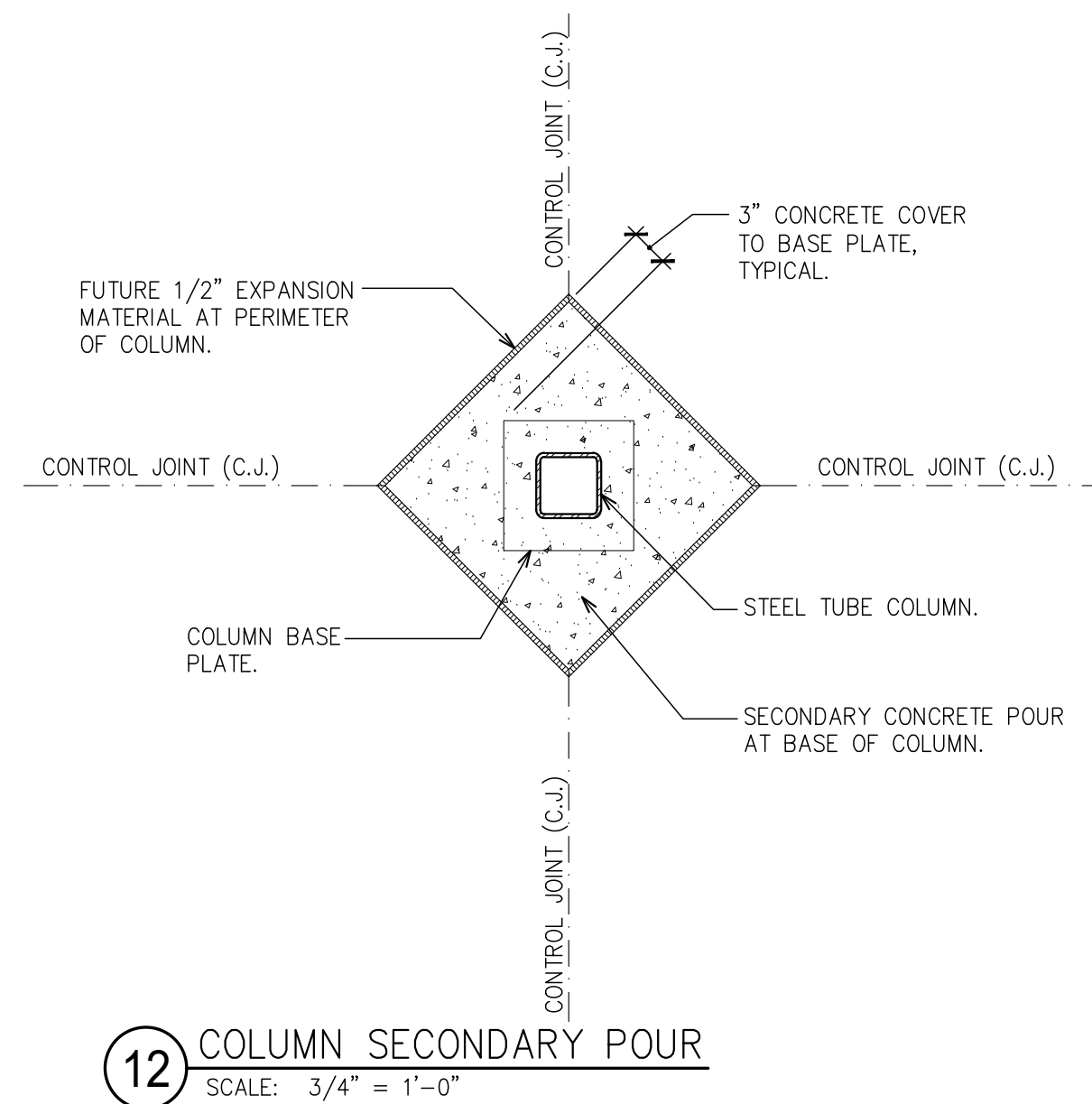
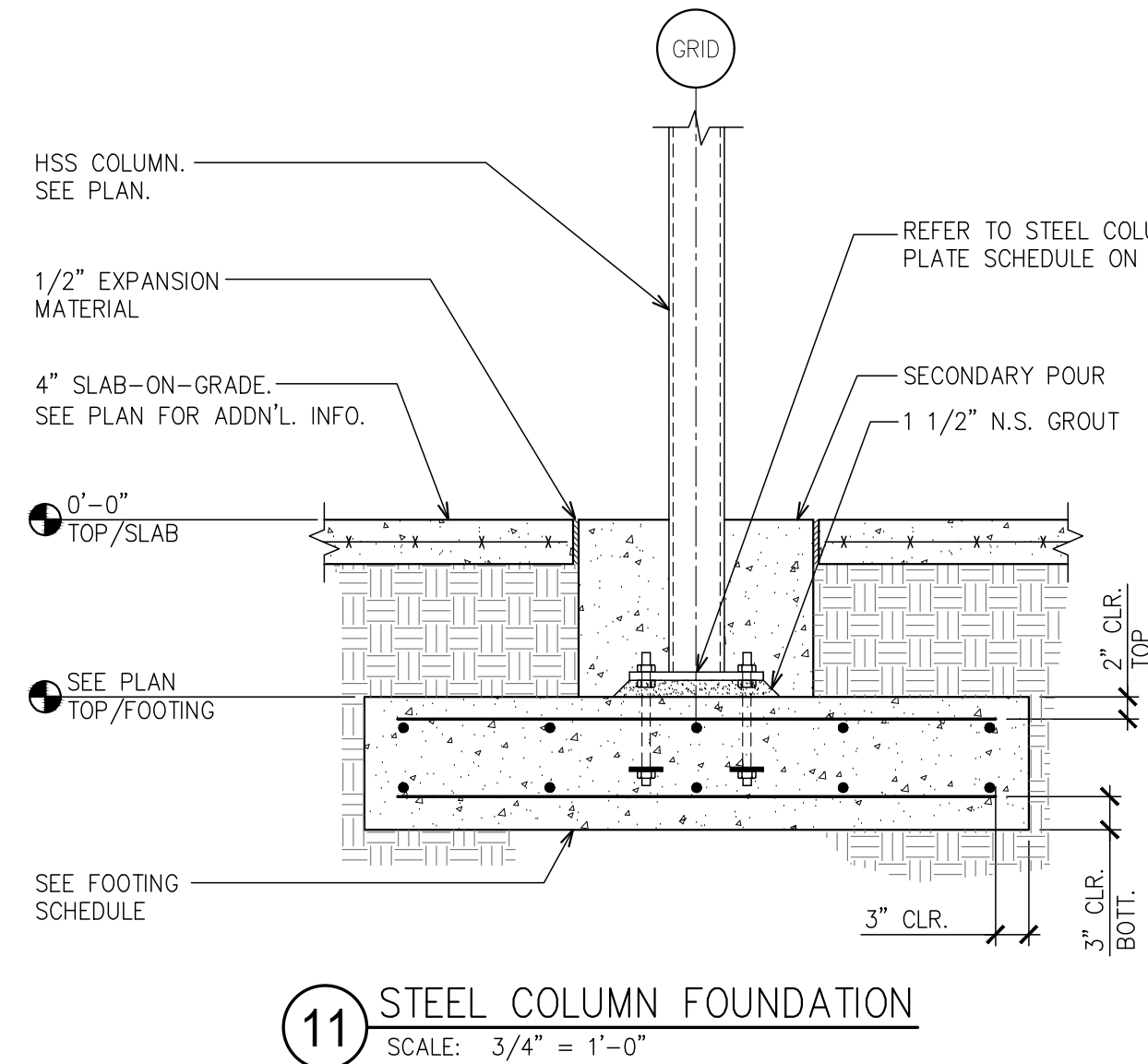
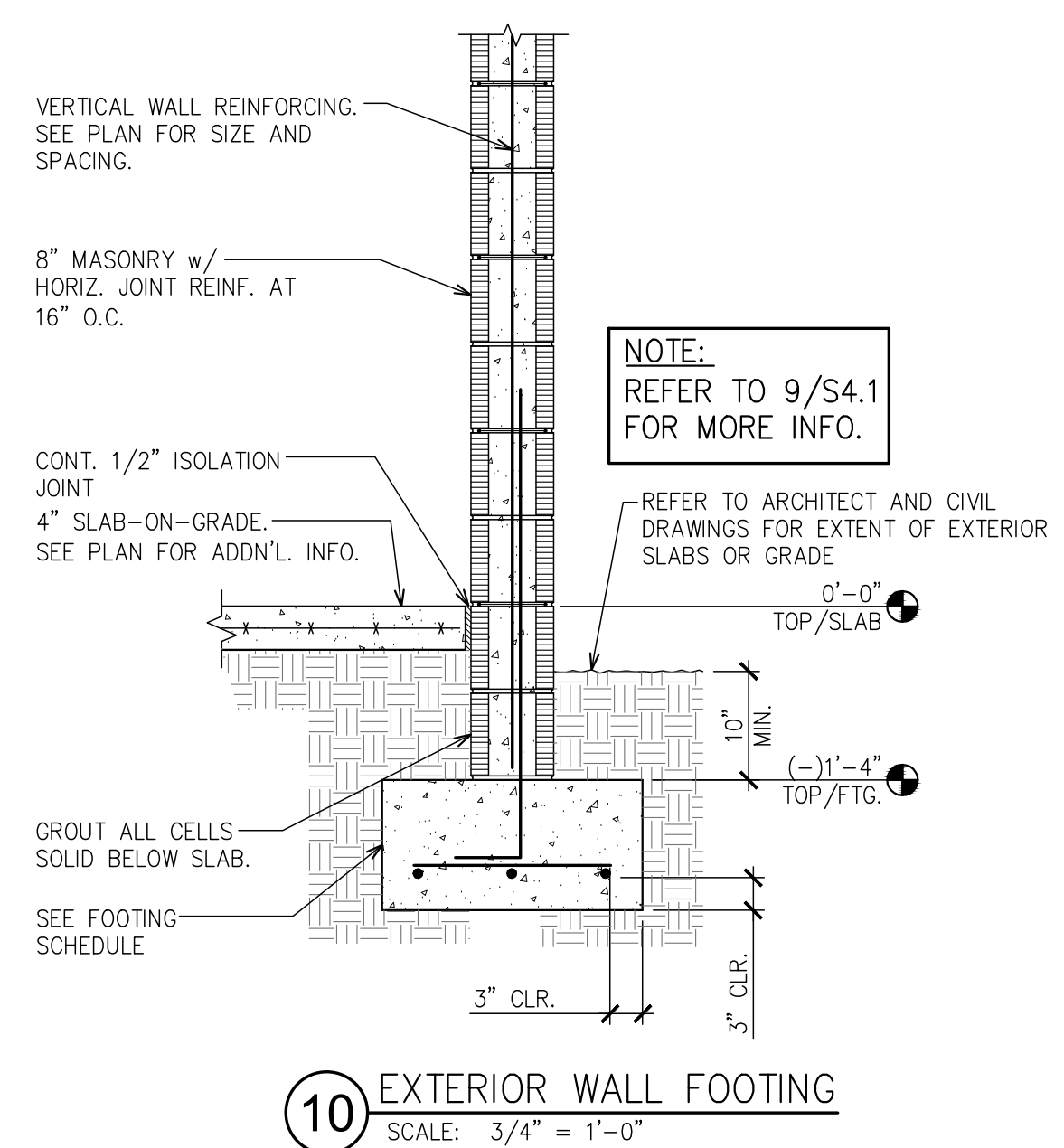
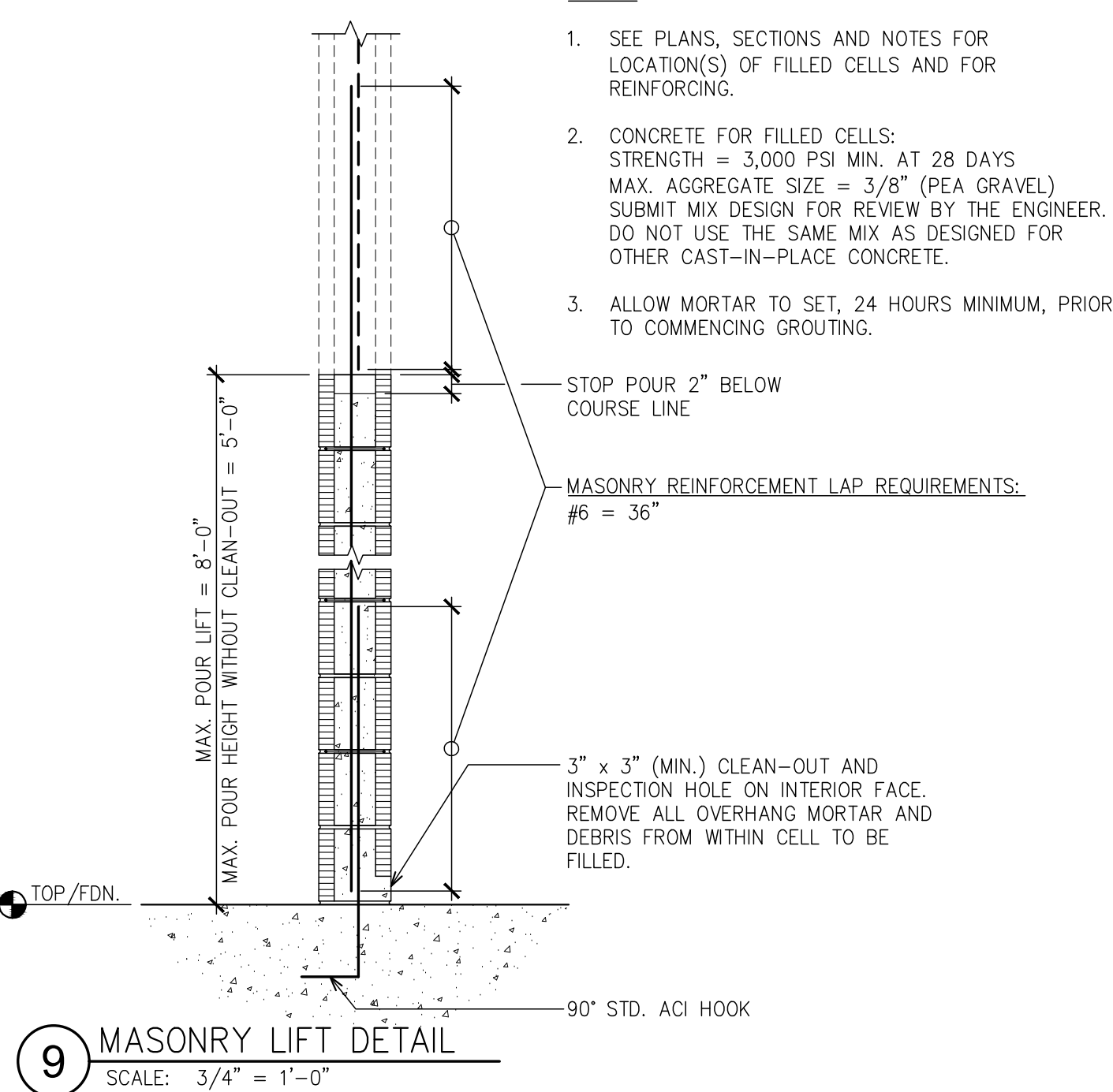
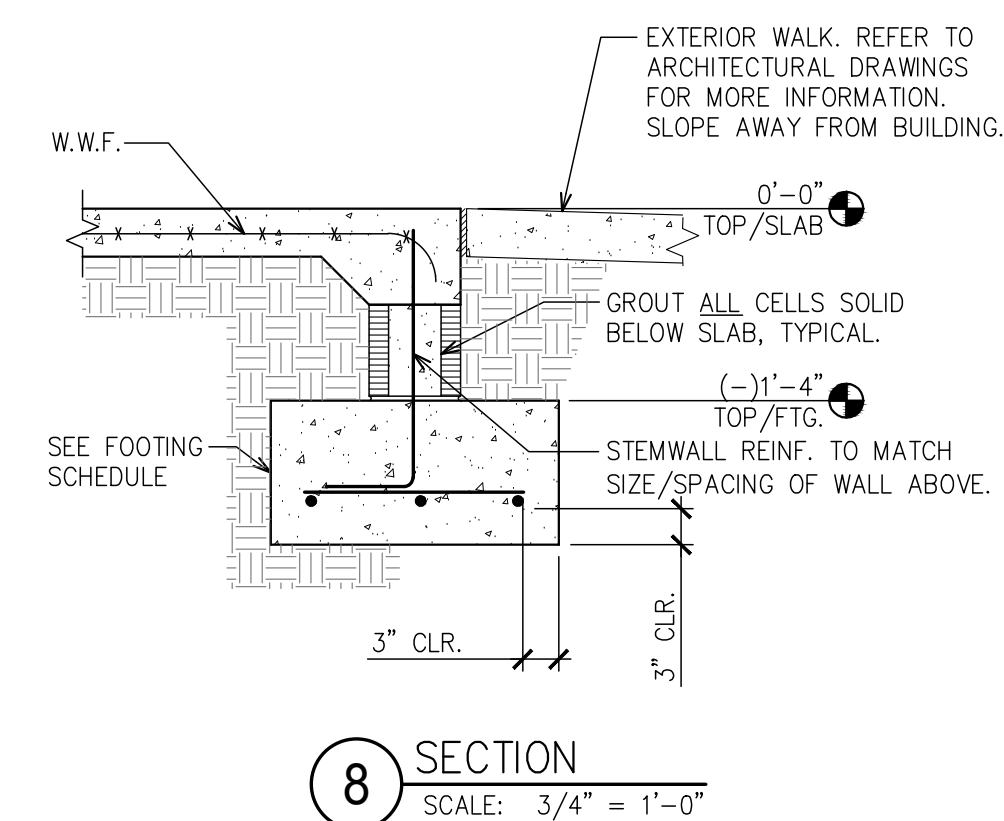
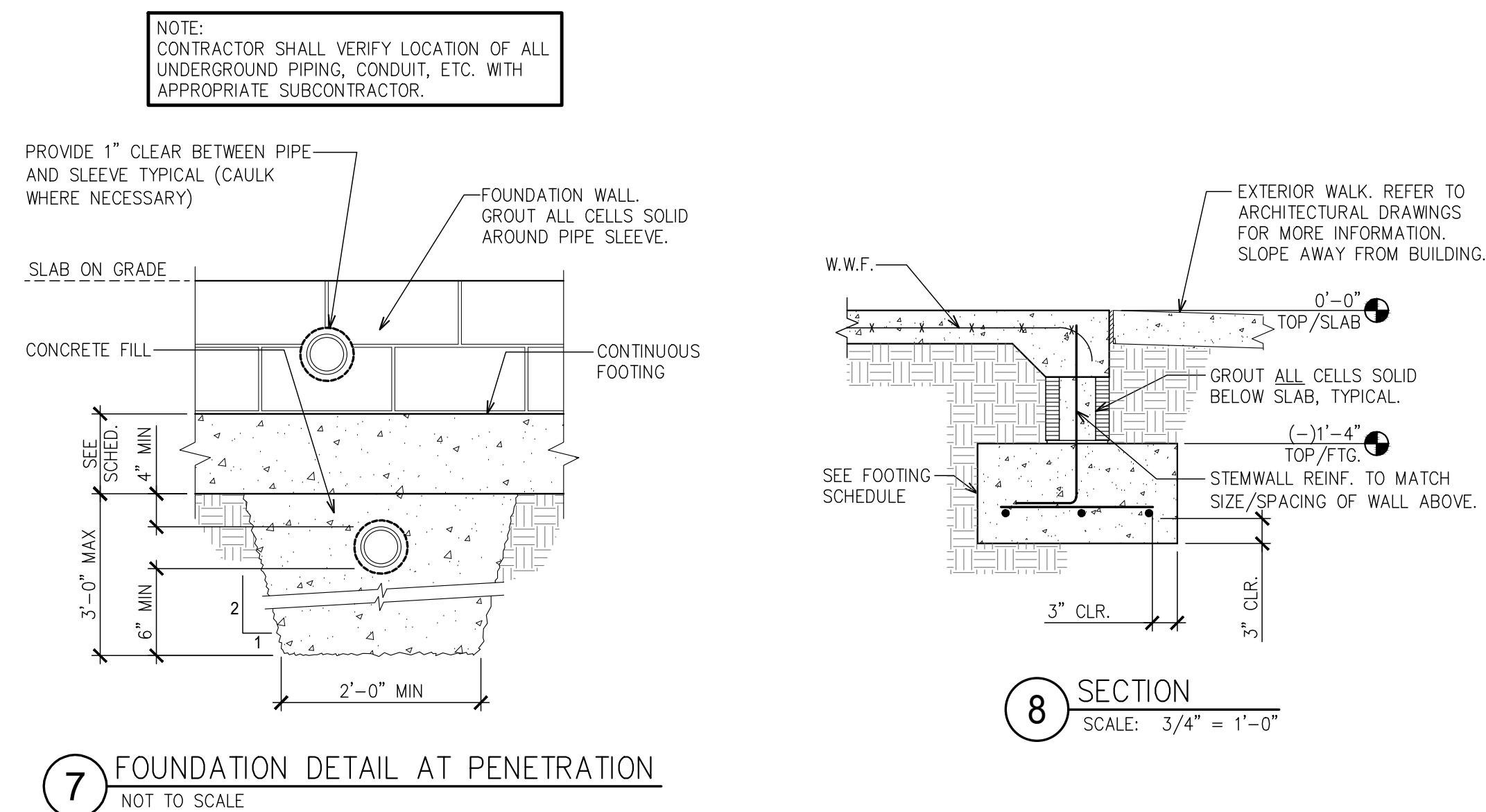
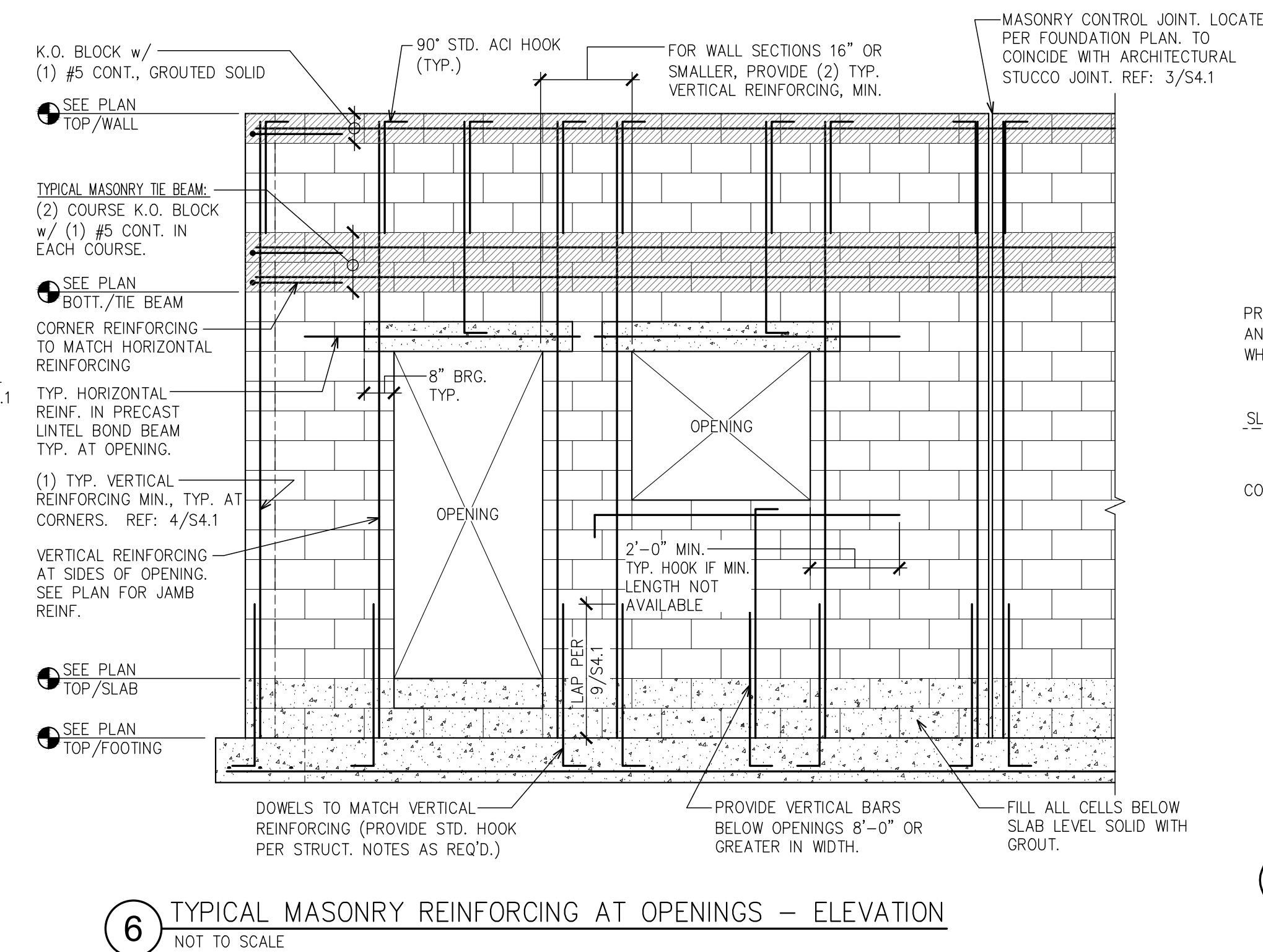
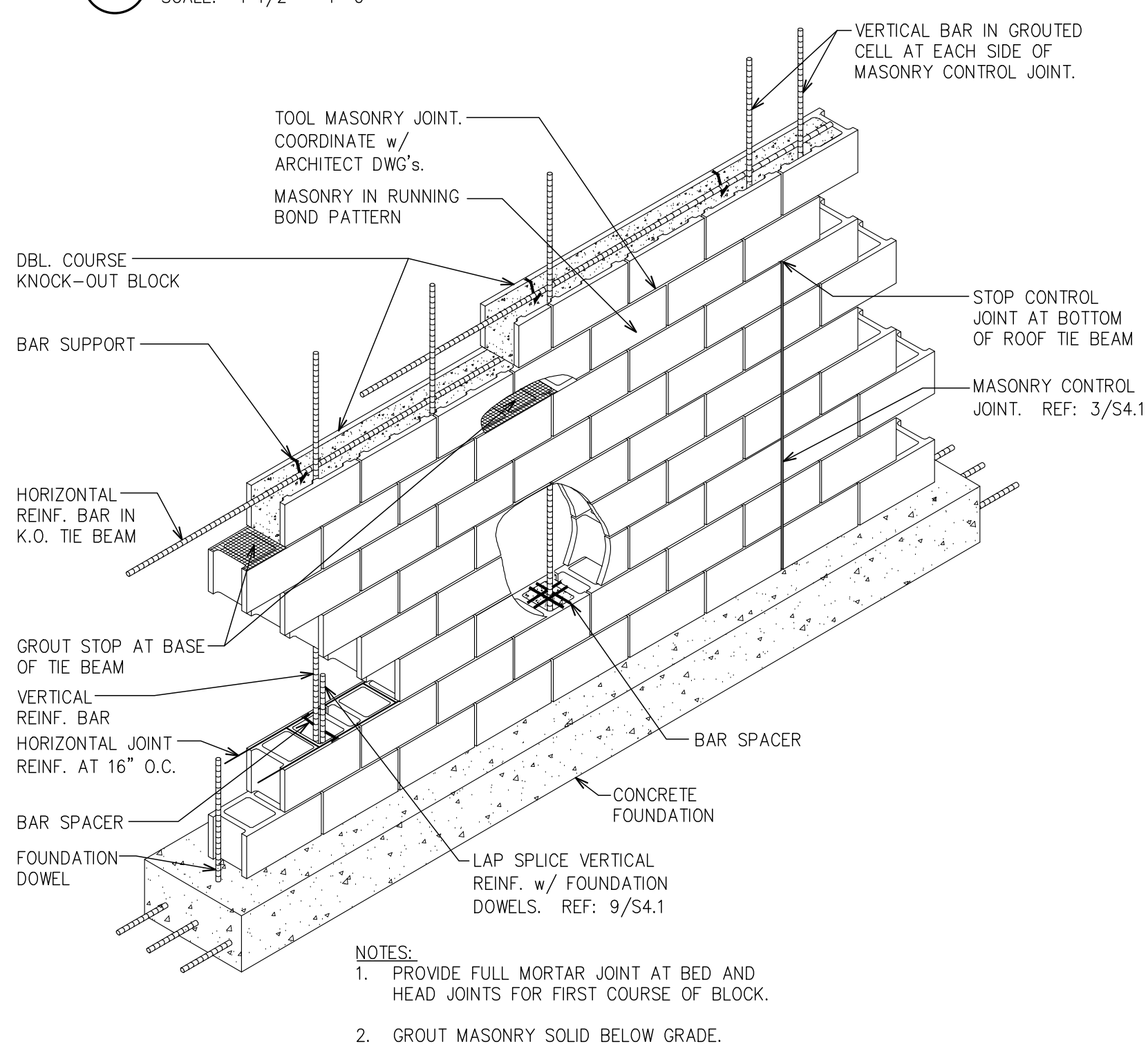
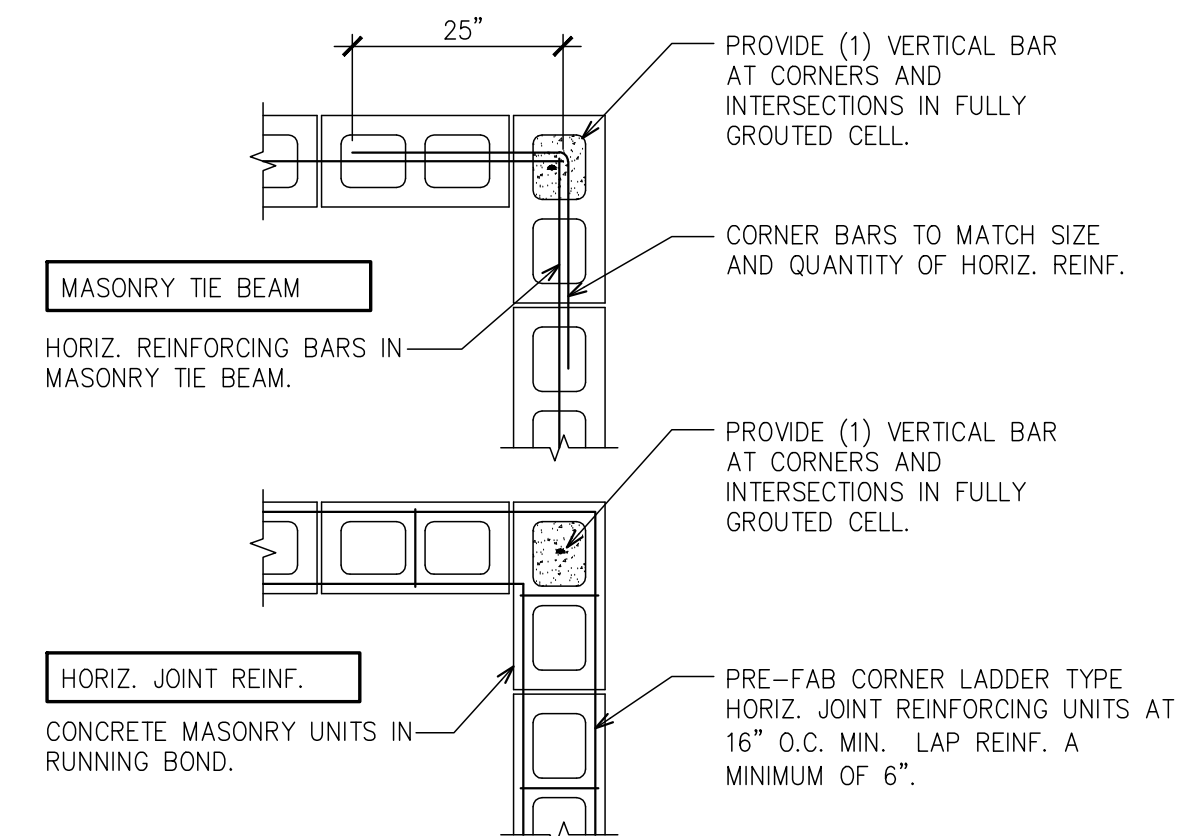
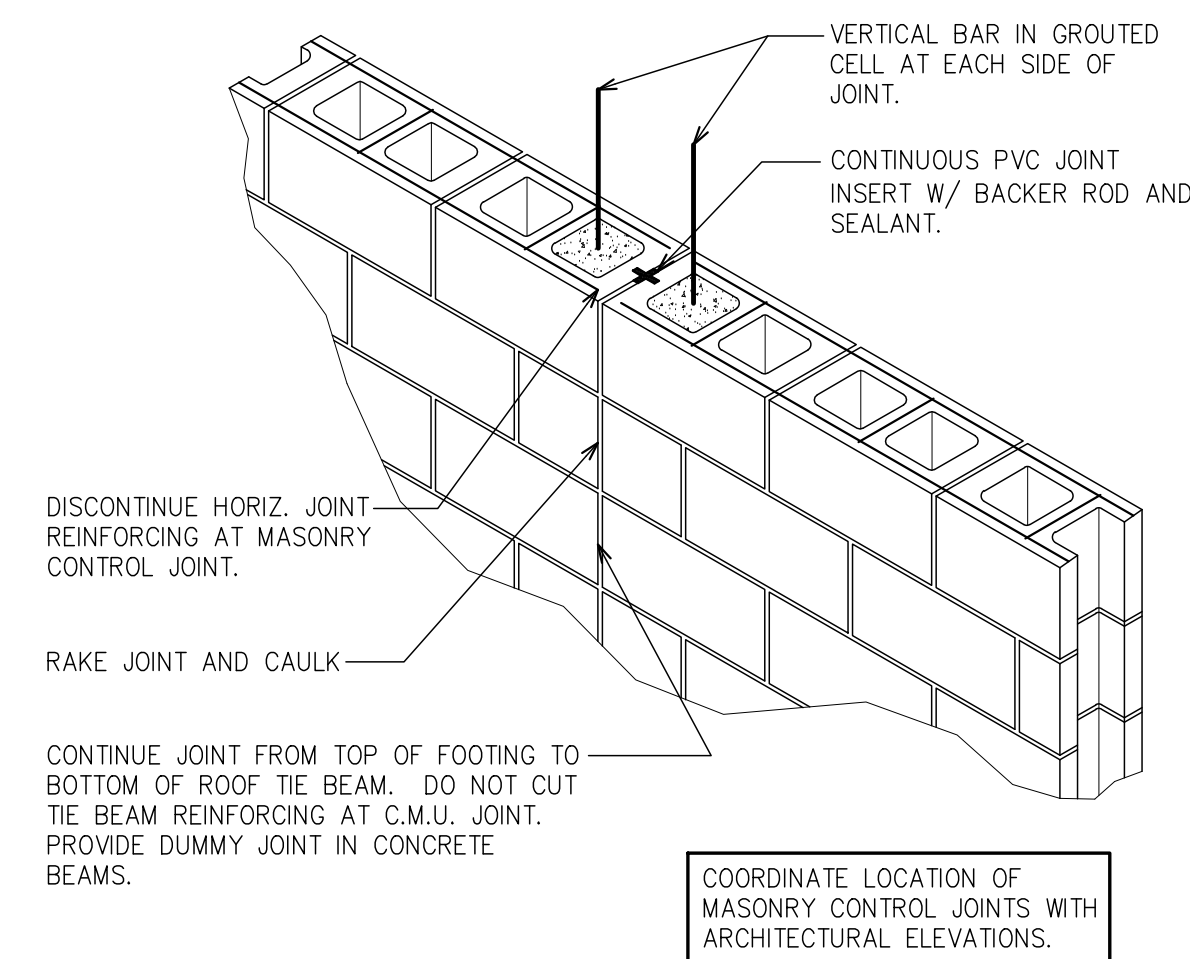
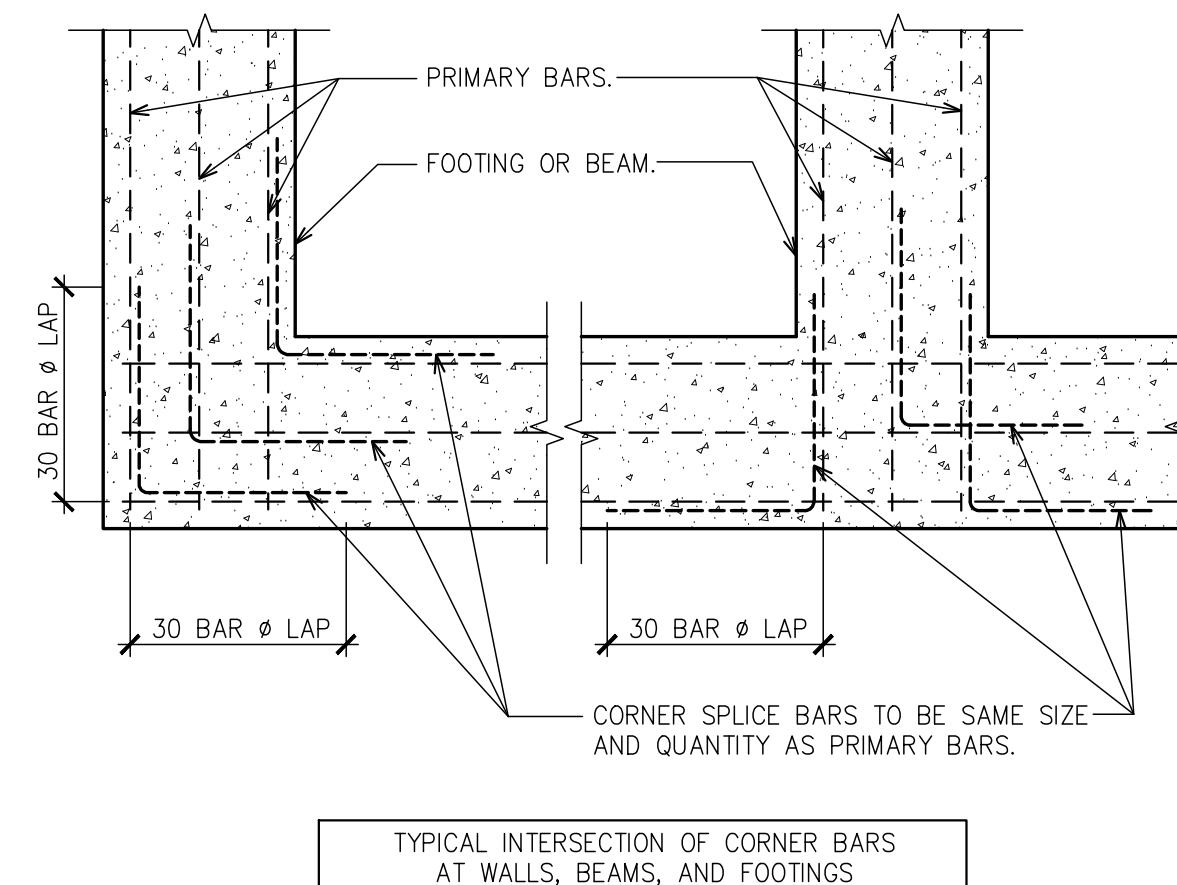
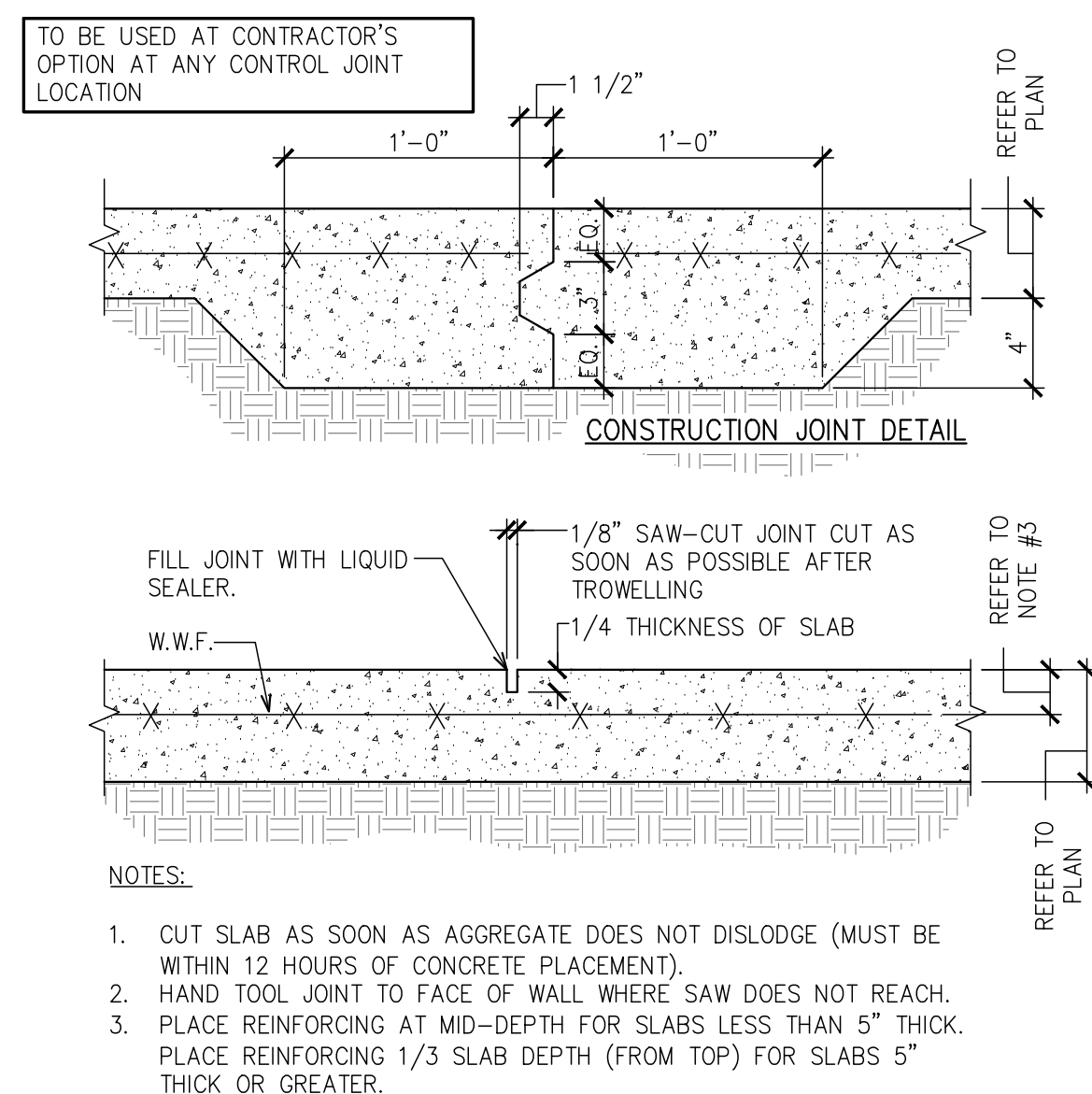
1 MASONRY TIE BEAM – EXTERIOR ELEVATION (AT GRID 1')
SCALE: 1/4" = 1'-0"



2 MASONRY TIE BEAM – CORNER CONDITION
NOT TO SCALE



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



revision descriptions		
no.	date	

08.25.2023

date

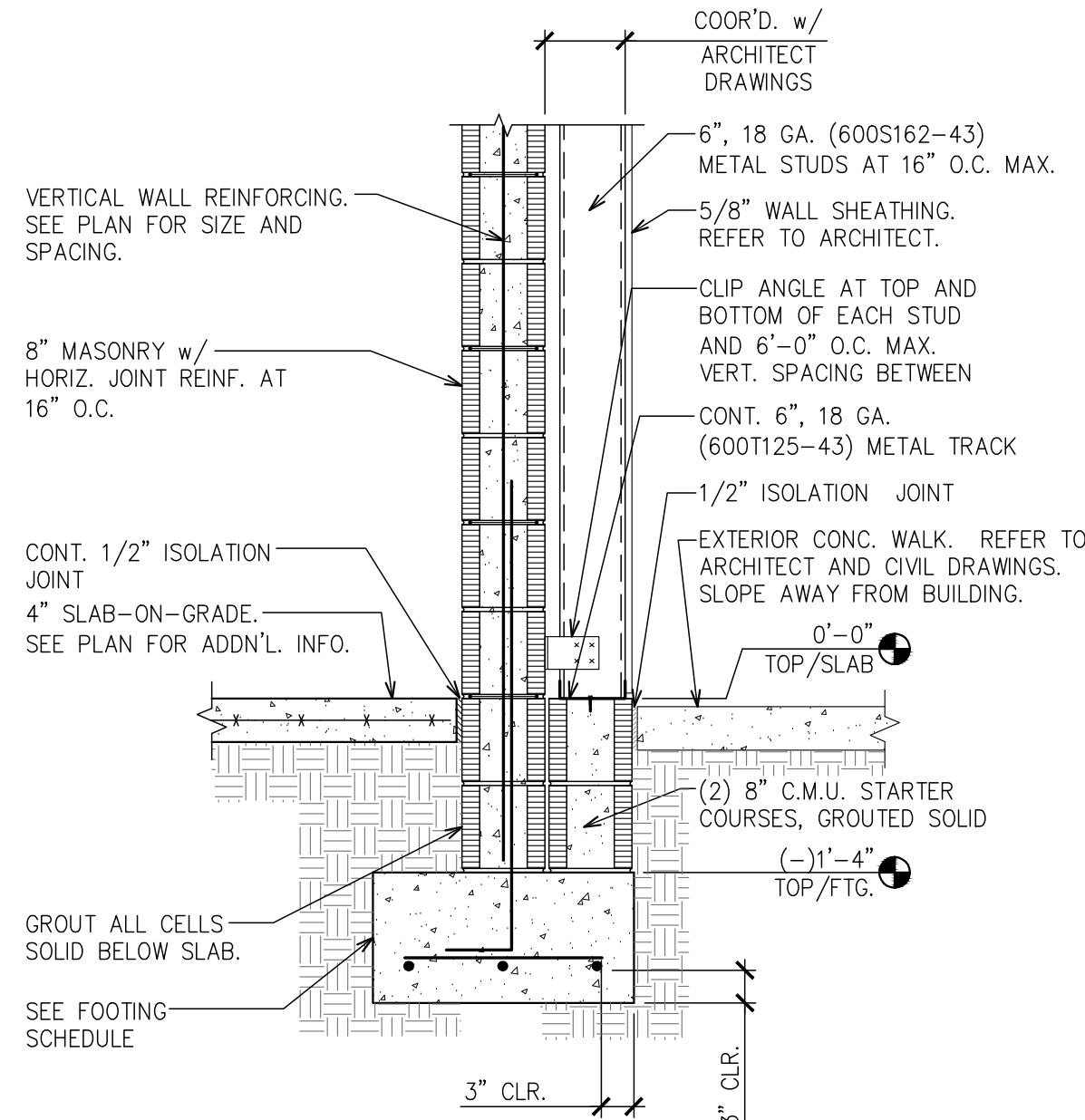
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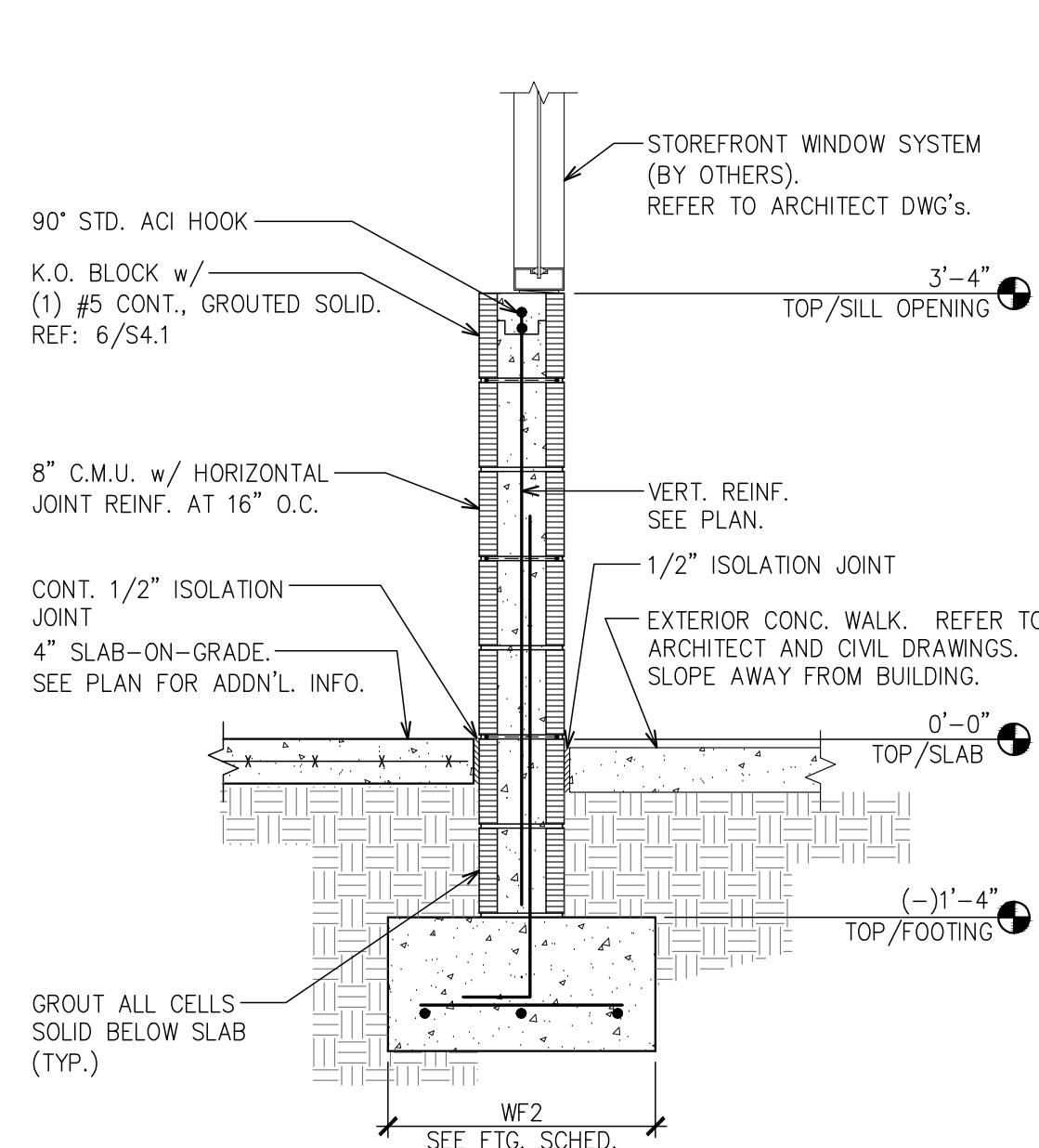
SECTIONS
AND DETAILS

S4.2

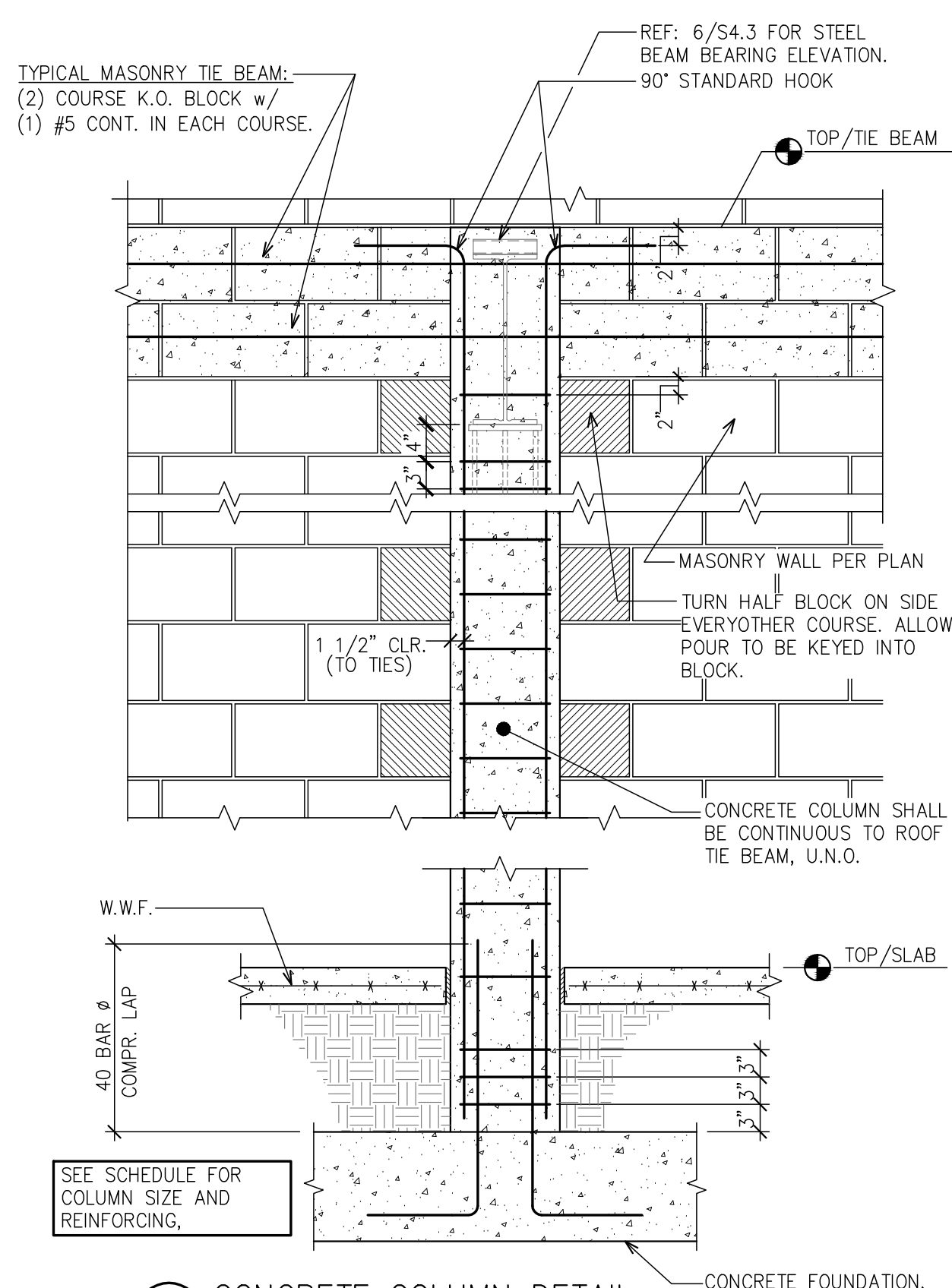
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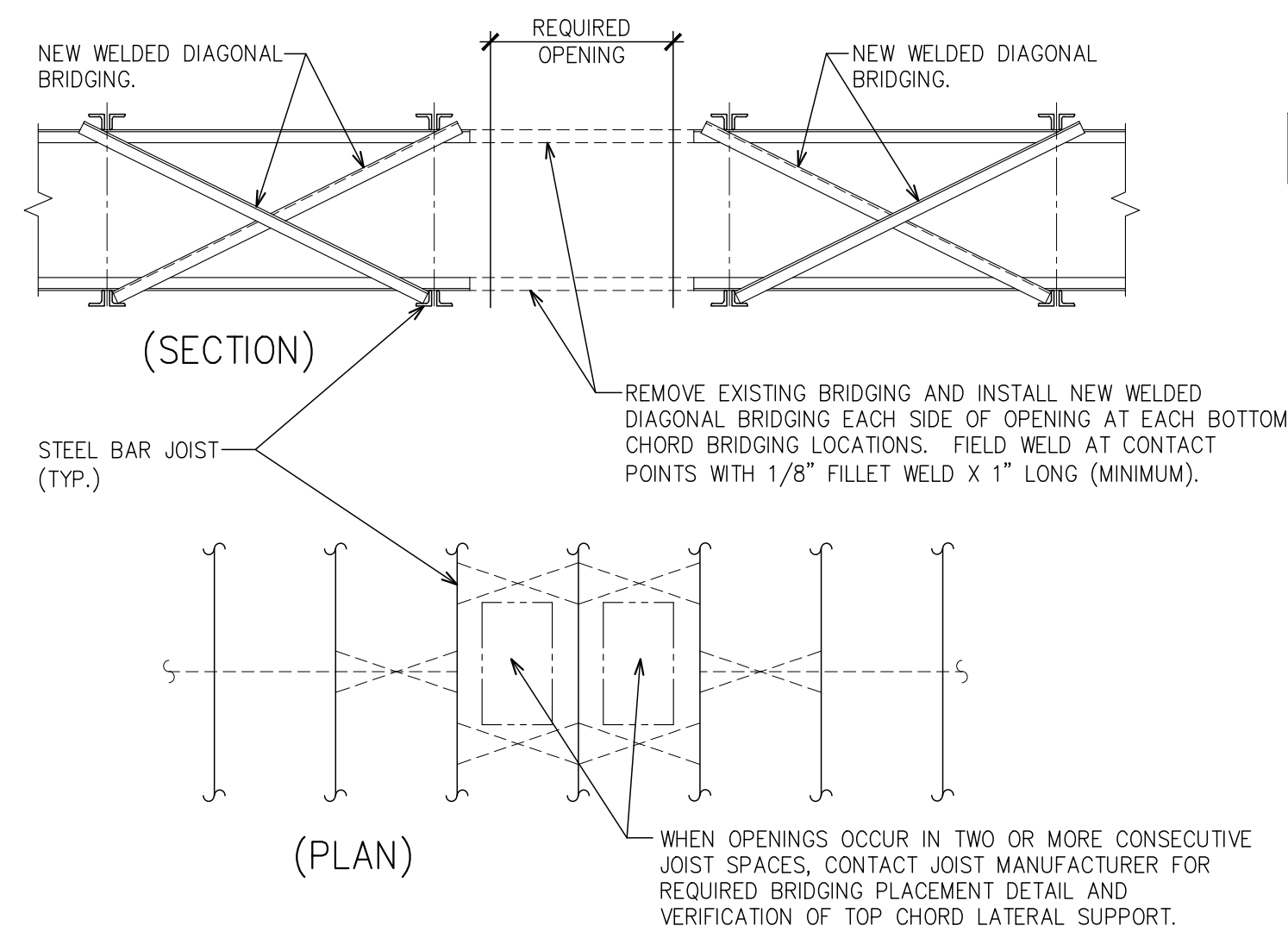
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SCALE: 3/4" = 1'-0"



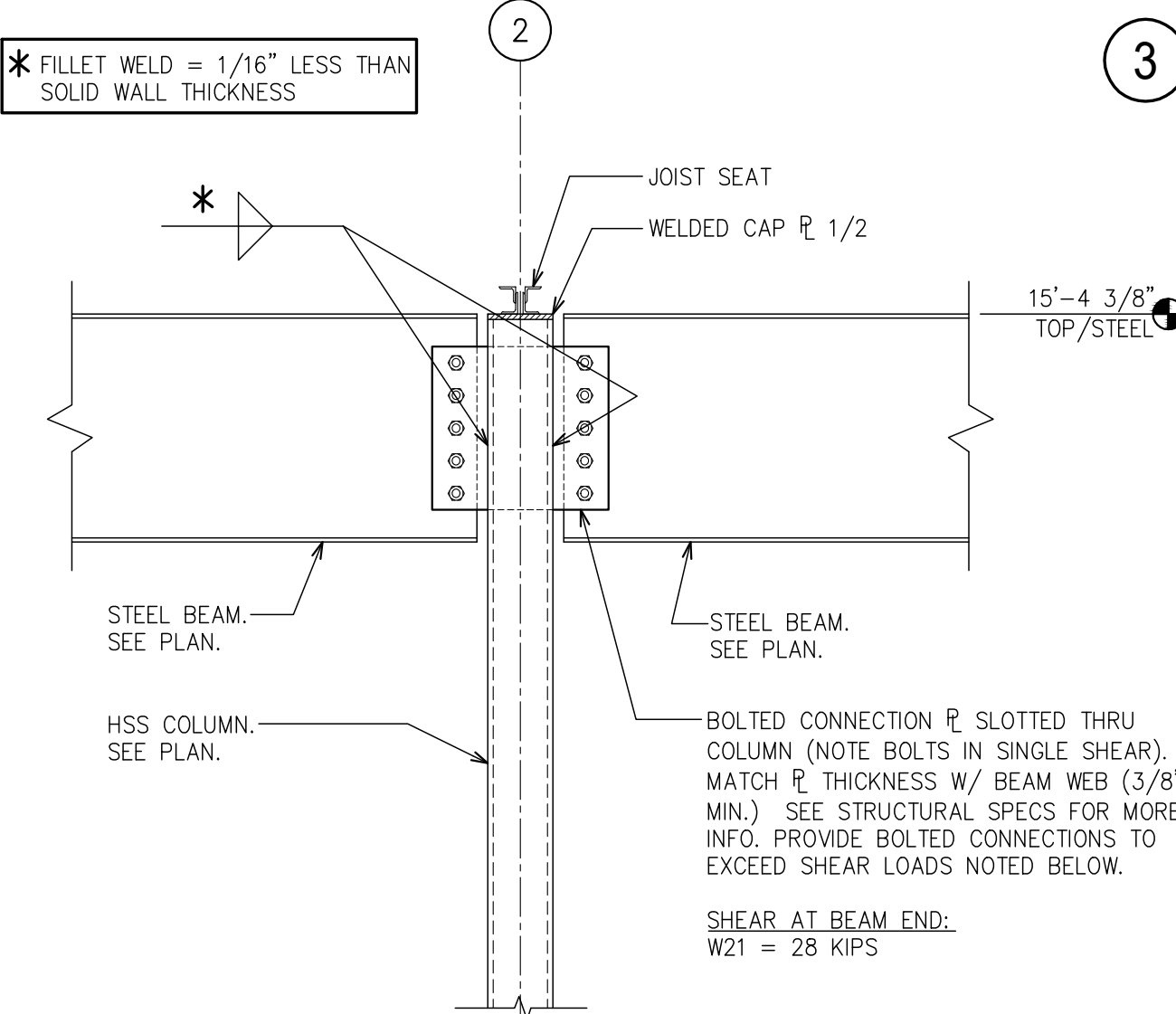
2 SECTION
SCALE: 3/4" = 1'-0"



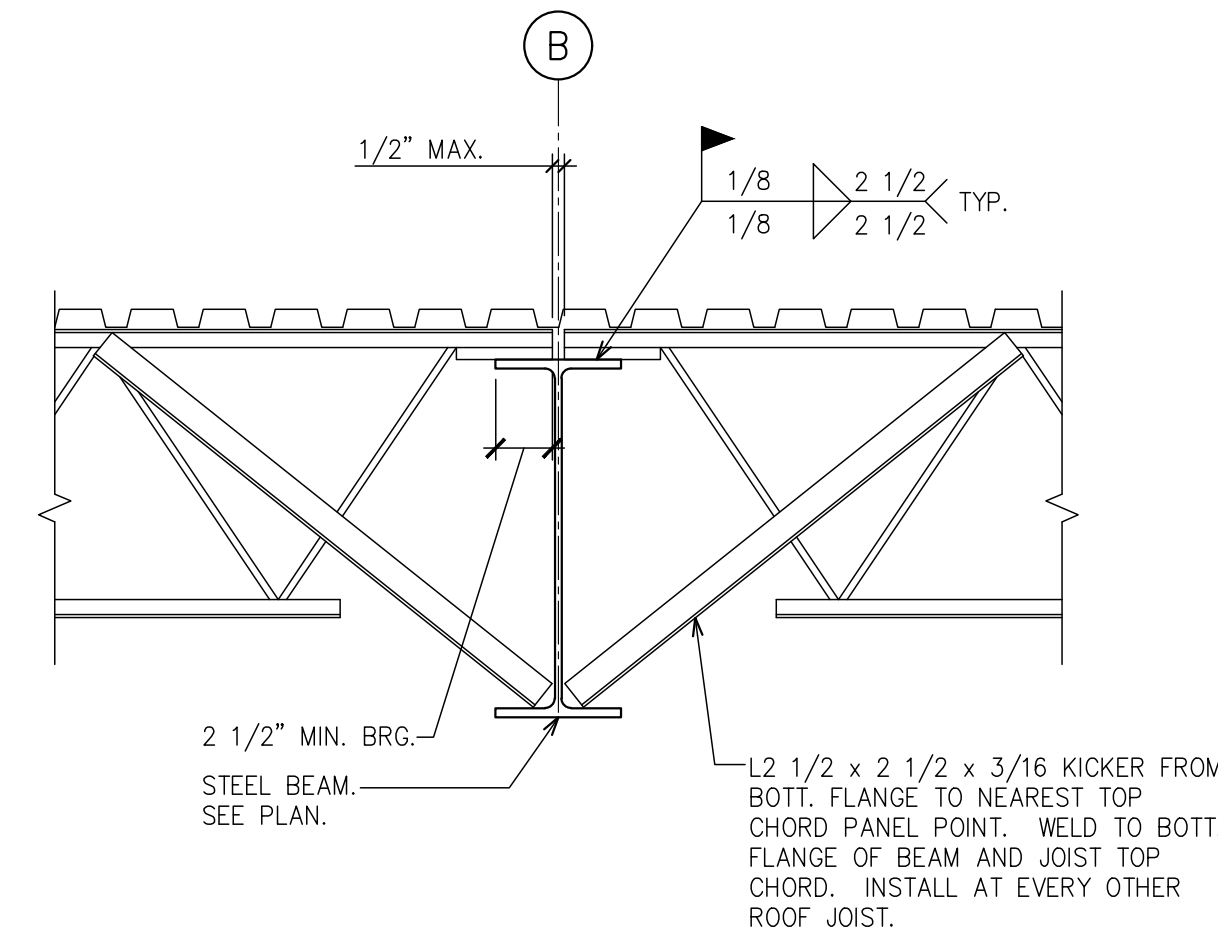
3 CONCRETE COLUMN DETAIL
NOT TO SCALE



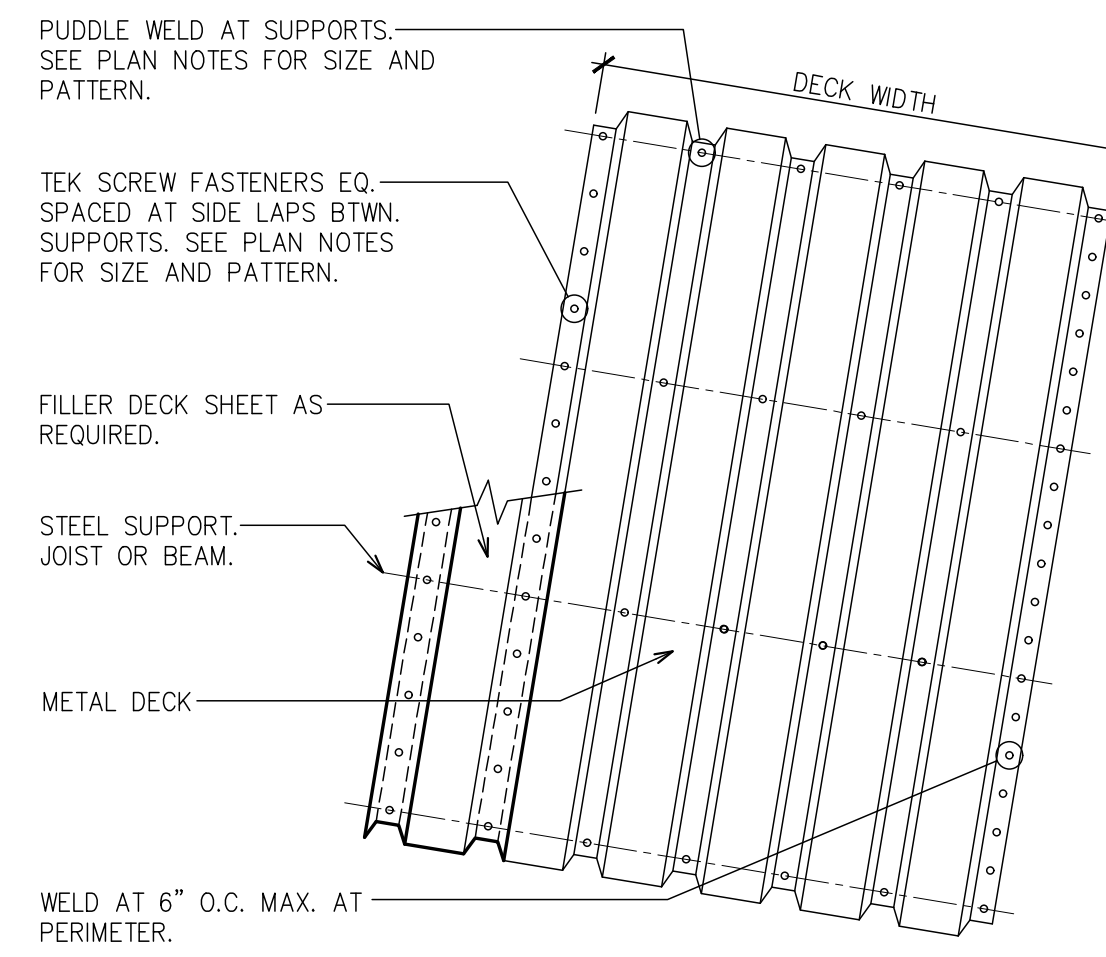
5 DISCONTINUOUS BRIDGING PLACEMENT
NOT TO SCALE



6 BEAM-COLUMN CONNECTION
SCALE: 3/4" = 1'-0"

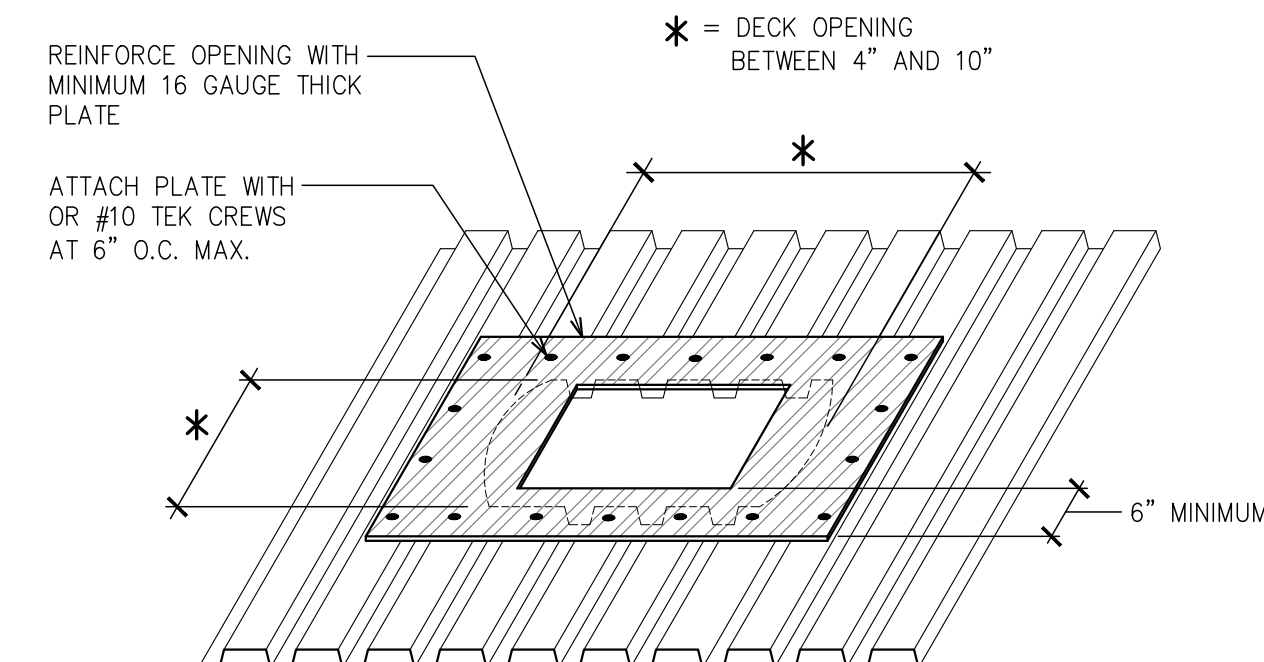


7 SECTION
SCALE: 3/4" = 1'-0"

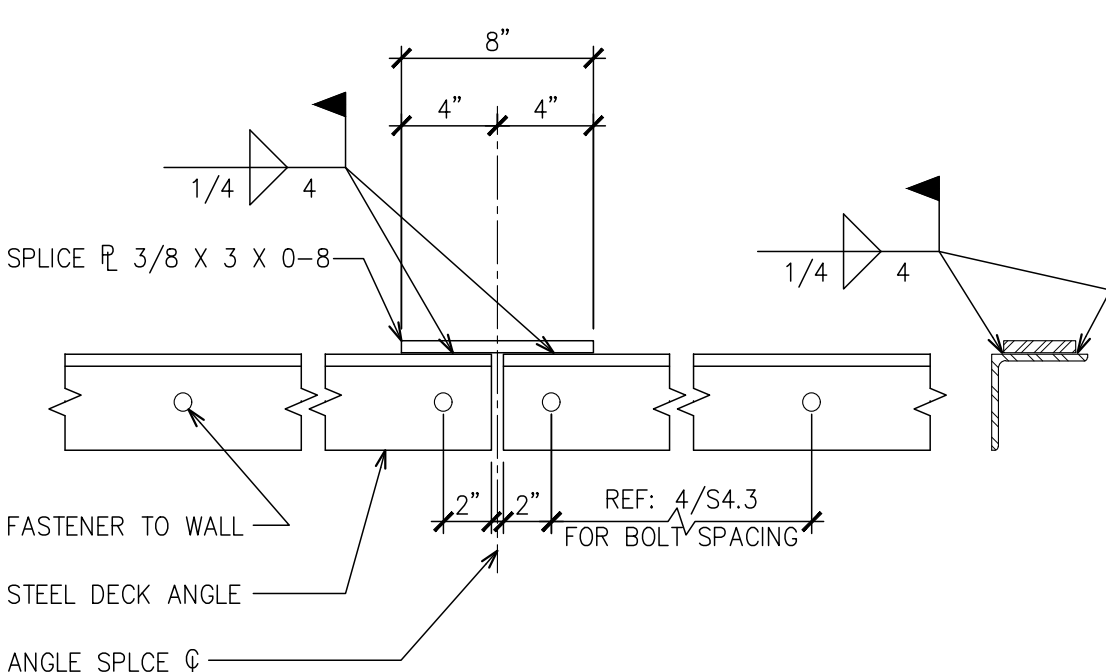


- NOTES:
1. MINIMUM DECK BEARING AT END SUPPORTS = 2 1/2"
 2. MINIMUM DECK LAP OVER SUPPORTS = 2"

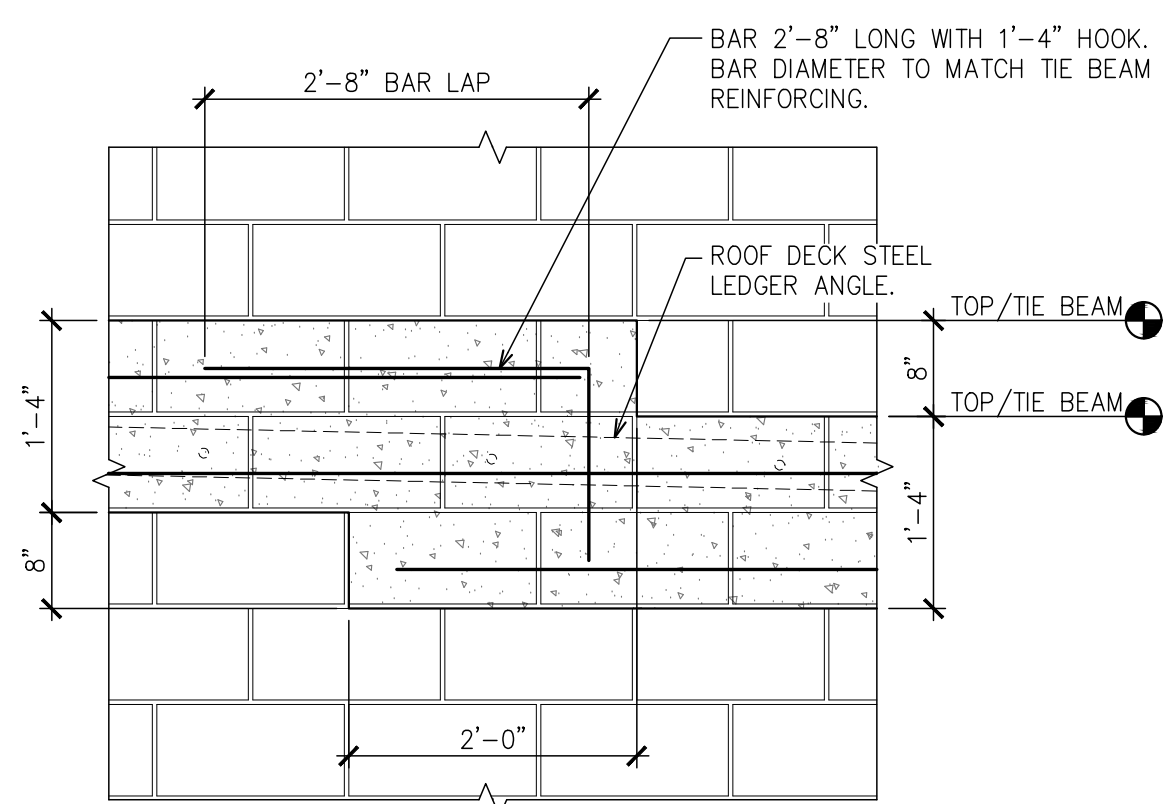
8 METAL DECK ATTACHMENT
NOT TO SCALE



9 DECK REINFORCEMENT AT UNFRAMED ROOF OPENING
NOT TO SCALE

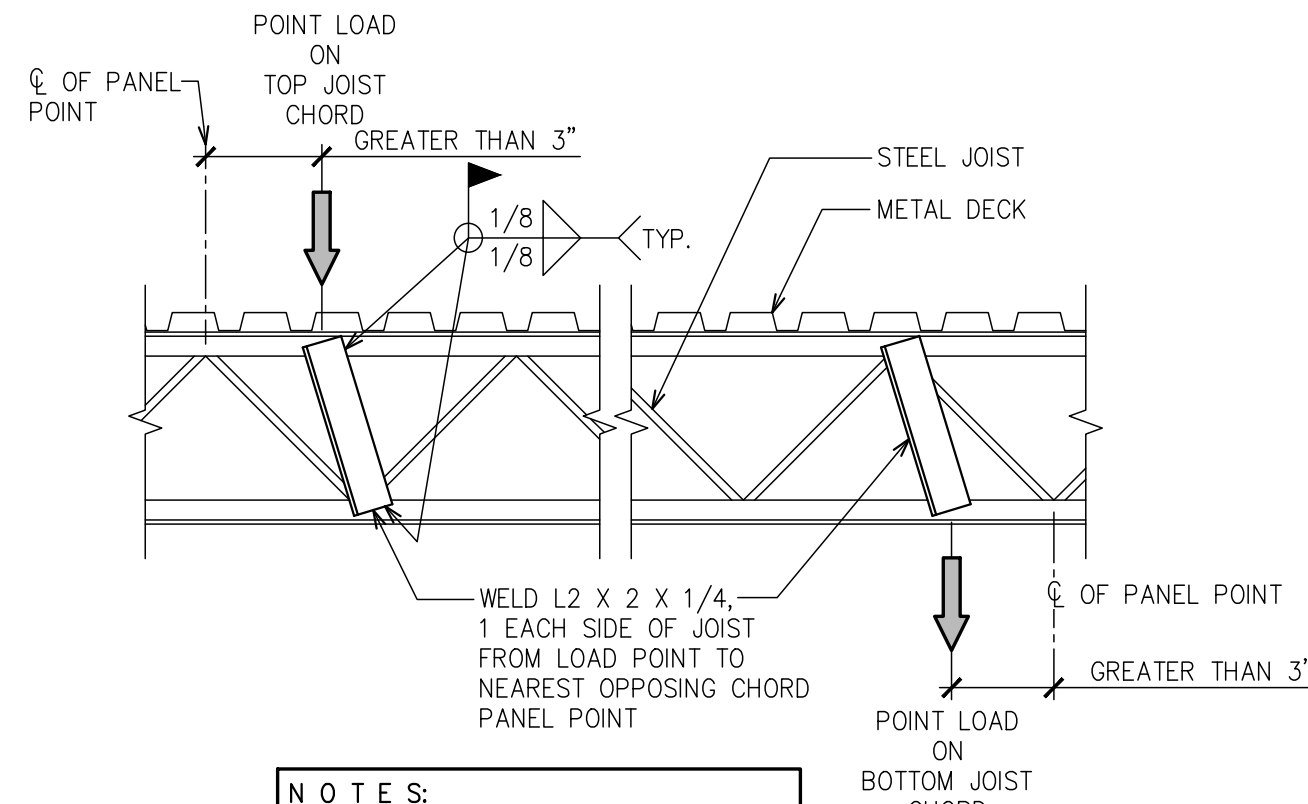


10 DECK ANGLE SPLICE
SCALE: 1 1/2" = 1'-0"



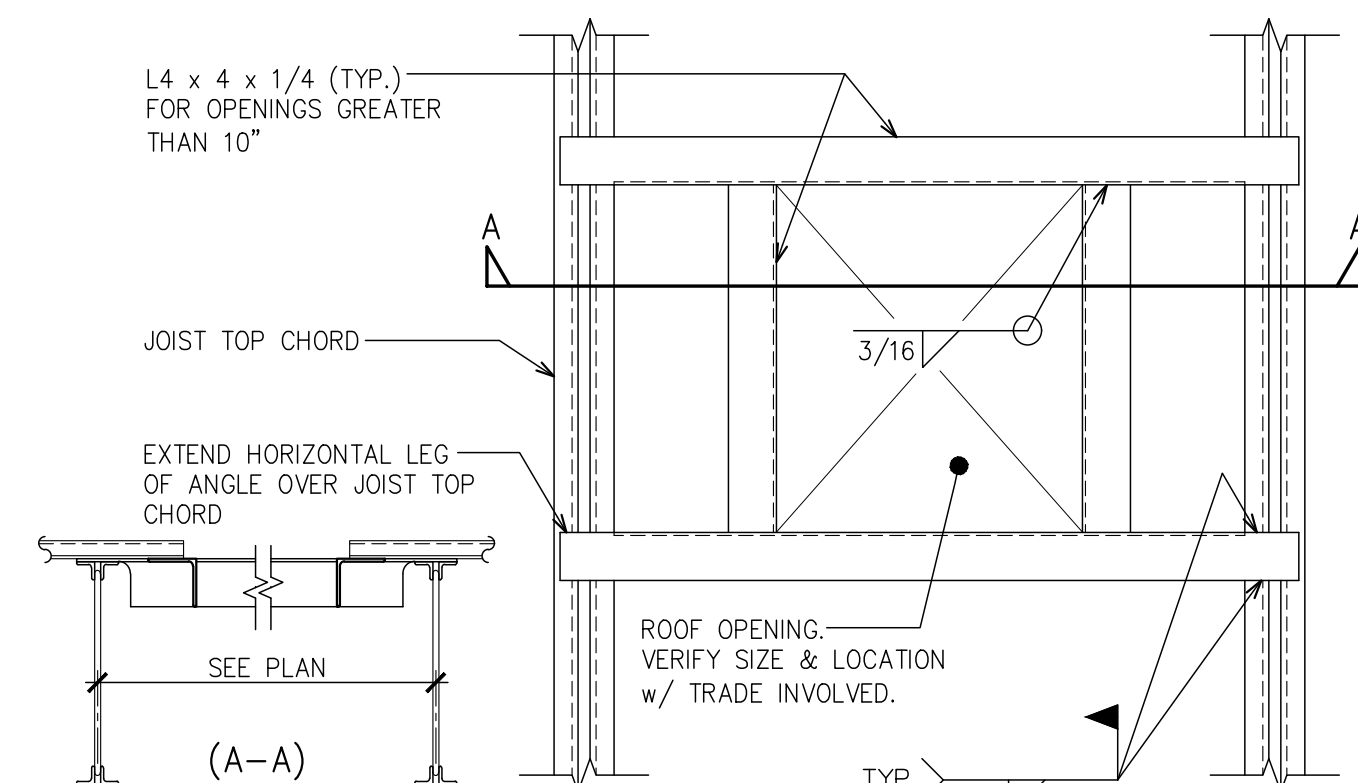
- NOTES:
1. TYPICAL MASONRY TIE BEAM SHALL BE (2) COURSE KNOCK-OUT BLOCK WITH (1) #5 CONTINUOUS IN EACH COURSE AND GROUTED SOLID.
 2. STEP TIE BEAM A MAXIMUM OF 8", LOCATE TIE BEAM STEPS AS REQUIRED WITH SLOPED DECK LEDGER ANGLE.

11 MASONRY TIE BEAM - STEP
NOT TO SCALE



- NOTES:
1. STIFFENER REQUIRED WHERE POINT LOADS OCCUR BETWEEN JOIST PANEL POINTS.
 2. JOIST STIFFENERS NOT REQUIRED FOR POINT LOADS:
 - ≤ 100 LBS AT TOP CHORD
 - ≤ 100 LBS AT BOTTOM CHORD

12 JOIST REINFORCEMENT DETAIL (TYPICAL)
NOT TO SCALE

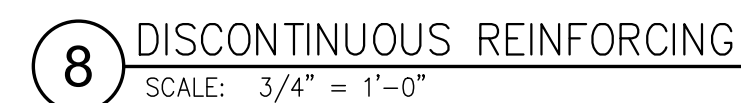
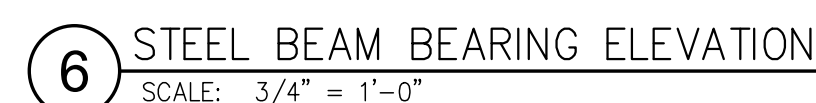
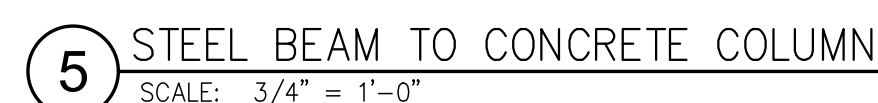


- NOTES:
1. LOCATE L4 x 4 x 1/4 FRAMES AROUND ALL ROOF OPENINGS GREATER THAN 10".
 2. CONTRACTOR SHALL VERIFY LOCATION AND SIZE OF OPENINGS PRIOR TO STEEL FABRICATION.
 3. REFER TO JOIST STIFFENER DETAIL 12/S4.2 FOR JOIST STIFFENERS AS REQUIRED.
 4. REFER TO 9/S4.2 FOR DECK OPENINGS BETWEEN 4" AND 10".
 5. NOT INTENDED FOR ROOF TOP MECHANICAL EQUIPMENT SUPPORT. REFER TO 1/S4.3 AND 2/S4.3 FOR ANGLES SUPPORTING MECHANICAL UNITS.

13 ROOF OPENING
NOT TO SCALE



- KEY NOTES:
1. PRE-FAB UNIT CURB. REFER TO MECHANICAL DOCUMENTS FOR REQUIREMENTS.
2. P.T. 2X4 X 0-6 LONG WOOD SUPPORT BLOCKING AT 24" O.C. (S.Y.P.) FASTEN TO DECK AS REQUIRED.
3. 3/4" DIA. BOLTS AT 24" O.C. MAXIMUM, (3) BOLTS REQUIRED PER UNIT MINIMUM, STARTING 12" FROM END/CORNER. PROVIDE NUTS AND LOCK WASHERS.
4. MECHANICAL UNIT SUPPORT ANGLE FRAME. REFER TO THE SCHEDULE FOR ANGLE SIZE. LONG LEG OF ANGLE IS VERTICAL.
5. ANGLE FRAME SEAT: L 6 X 4 X 5/16 X 0-5 (LLV).
6. METAL ROOF DECK. FASTEN TO SUPPORT ANGLE WITH 1/2" DIA. BOLTS AT 12" O.C.
7. FASTENING UNIT TO CURB (MINIMUM): 3/4-14 X 6" WHW SELF-DRILLING SCREW (BULDEX OR EQUIV) WITH A #3 DRILL POINT AND ZINC COATED SPACED AT 12" O.C. MAXIMUM (ALL 4 SIDES), TYPICAL.
8. STEEL ROOF JOIST.
9. JOIST WEB STIFFENER, EACH SIDE. REF: 12/54.2
10. P.T. WOOD NAILED PER CURB MANUFACTURER.
11. 1/2" DIA. SEALING MATERIAL AS REQUIRED PER UNIT MANUFACTURER.
12. L 4 X 4 X 1/4 METAL ROOF DECK SUPPORT ANGLE AT PERIMETER OF DECK OPENINGS.



MECHANICAL SPECIFICATIONS

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REQUIRED COORDINATION: ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS AND PIPING (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

CONSTRUCTION PLANS: IN GENERAL, PLANS AND DIAGRAMS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.

REQUIRED ACCESS: CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT AND DEVICES THAT REQUIRE REPLACEMENT, SERVICING, ADJUSTING OR MAINTENANCE SHALL BE LOCATED TO ALLOW EASY ACCESS AND SPACE FOR REMOVAL OF INTERNAL ASSEMBLIES, IF REQUIRED. CONTRACTOR SHALL PROVIDE ACCESS PANELS WHERE REQUIRED TO ALLOW ACCESS, EVEN IF NOT INDICATED ON THE DRAWINGS AT NO ADDITIONAL COST TO OWNER.

WIND RESISTANCE: ALL EQUIPMENT, APPLIANCE AND SUPPORTS LOCATED EXTERIOR OF THE FACILITY SHALL BE INSTALLED TO RESIST WIND LOADS AS DETAILED IN THE BUILDING CODE.

CUTTING AND PATCHING: ALL OPENINGS AROUND DUCT OR PIPE PENETRATIONS THROUGH SMOKE OR FIRE RATED FLOORS, CEILINGS OR WALLS SHALL BE SEALED AIRTIGHT WITH MATERIALS HAVING A RATING EQUAL TO THE MATERIAL OF THE WALL, CEILING OR FLOOR PENETRATED.

EQUIPMENT TAGS: ALL EQUIPMENT WILL HAVE A PERMANENTLY FIXED ENGRAVE PHENOLIC LABEL CORRESPONDING TO THE EQUIPMENT TAG ON THE ENGINEER'S DRAWINGS.

FIRESTOPPING: UL APPROVED MATERIALS AND METHODS SHALL PROTECT THE PENETRATIONS OF FIRE AND/OR SMOKE RATED WALLS, CEILINGS OR FLOORS. THE RATING OF THE FIRESTOPPING SHALL EQUAL THE RATING OF THE RATED ASSEMBLY. ALL INSULATION SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS AS TESTED BY PROCEDURE ASTM E-84, NFPA-225, UL-723 NOT EXCEEDING:

FLAME SPREAD	25
SMOKE DEVELOPED	50
FUEL DISTRIBUTED	50

ACCESSORIES SUCH AS ADHESIVE, MASTIC, CEMENTS AND TAPES SHALL HAVE THE SAME COMPONENT RATING AS LISTED ABOVE

START-UP: CONTRACTOR SHALL STARTUP ALL EQUIPMENT AND FOLLOW THE MANUFACTURER'S START-UP PROCEDURES.

OPERATING AND MAINTENANCE DATA: SUBMIT THREE COPIES OF MANUFACTURER'S OPERATING AND MAINTENANCE INSTRUCTIONS AND SPARE PARTS LIST FOR EACH PIECE OF EQUIPMENT.

CONDENSATE DRAIN PIPING: CONDENSATE DRAIN PIPING SHALL BE PVC TYPE DWV. DRAINS SHALL BE PITCHED NOT LESS THAN 1" IN 10'. RUNS SHALL BE AS SHORT AS POSSIBLE WITHOUT ANY DIPS TO TRAP WATER AND INTERFERE WITH PROPER DRAINAGE. PROVIDE TRAPS AND CLEANOUTS AT DRAIN PAN CONNECTIONS. RUN CONDENSATE DRAIN PER PLANS.

DIMENSIONAL DATA: ALL DUCTWORK DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.

SUPPLEMENTARY SUPPORTS: CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL REQUIRED TO SUSPEND MECHANICAL EQUIPMENT AND MATERIALS, IN ORDER TO PROVIDE A "VIBRATION-FREE" RIGID INSTALLATION.

DUCTWORK - GENERAL: FABRICATE AND INSTALL ALL DUCTWORK AND DUCT ACCESSORIES IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE, THE LATEST NFPA STANDARDS, AND THIS SPECIFICATION. THE MOST STRINGENT OF THESE SHALL BE THE MINIMUM STANDARD. MINIMUM OF 1" PRESSURE CLASS RATING FOR ALL FIBERGLASS DUCTWORK AND 2" FOR ALL SHEET METAL.

ALL NEW RIGID DUCTWORK SHALL BE R-6 RIGID FIBERGLASS DUCTBOARD, WITH MASTIC AND TAPE AT ALL JOINTS. ANTI-MICROBIAL INJECTED INTO THE MATTED AND CLEANABLE AIR-SIDE SURFACE INSIDE.

DUCTWORK INSTALLATION: ALL INTERIOR DUCTWORK SHALL BE SEALED TO SMACNA CLASS (C) REQUIREMENTS. PROVIDE DOUBLE THICKNESS TURNING VANES IN ALL NINETY (90) DEGREE SQUARE ELBOWS. CONTRACTOR SHALL FURNISH AND INSTALL ALL DUCT OFFSETS AS REQUIRED TO CLEAR INTERFERENCES WITH EXISTING BUILDING STRUCTURE, PIPES AND ELECTRICAL CONDUITS. FURNISH AND INSTALL ALL MISCELLANEOUS STEEL SUPPORT REQUIRED FOR HANGING AND SUPPORTING DUCTWORK UNLESS OTHERWISE NOTED.

SMOKE DETECTORS: INSTALL SMOKE DETECTORS AS RECOMMENDED BY MANUFACTURER TO ACQUIRE PROPER READINGS. LOCATION OF DUCT MOUNTED SMOKE DETECTORS ARE FOR REFERENCE LOCATION ONLY. FINAL PLACEMENT SHALL MEET ALL REQUIREMENTS IN THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE 12"x12" ACCESS DOOR FOR INSPECTION AND SERVICE. SMOKE DETECTORS SHALL BE FURNISHED & WIRED BY ELECTRICIAN AND INSTALLED BY MECHANICAL CONTRACTOR. WIRE SMOKE DETECTORS TO SHUTOFF UNIT WITH THE DETECTION OF SMOKE.

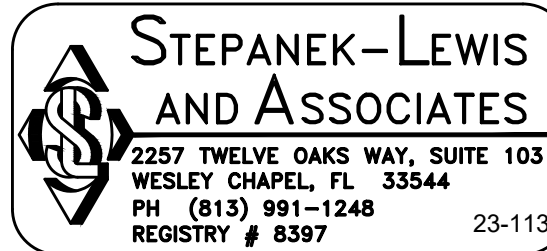
CONTROLS: PROVIDE CONTROLS COMPLETE TO SUIT THE EQUIPMENT PROVIDED AND TO ACCOMPLISH THE SEQUENCE OF OPERATION AS REQUIRED BY PLANS AND SYSTEMS. LOCATE THERMOSTATS 48" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. THERMOSTATIC CONTROLS SHALL BE PROGRAMMABLE TO INCLUDE ALL ITEMS REQUIRED BY 2020 FBC-ENERGY CODE.

TESTING AND BALANCING: THE CONTRACTOR SHALL ENSURE THAT ALL DEVICES AND SYSTEMS ARE COMPLETE, TESTED AND BALANCED, AND READY FOR OPERATION WHEN THE FACILITY IS HANDED OVER TO THE OWNER. THE AIR CONDITIONING SYSTEM SHALL BE TESTED IN ACCORDANCE WITH AABC OR NEBB PROCEDURES. CONTRACTOR'S WRITTEN REPORT SHALL BE SUBMITTED TO MECHANICAL ENGINEER FOR APPROVAL, INCLUDING STARTUP OF UNITS.

SUBMITTALS REQUIRED:
SUBMIT SHOP DRAWINGS FOR ALL MATERIALS, EQUIPMENT, AND SYSTEMS REQUIRED BY THESE DOCUMENTS (SEE ARCH. PLANS/SPECS FOR SPECIFIC FORMATTING), INCLUDING:
ROOFTOP UNITS
DUCTWORK & ACCESSORIES (CONNECTIONS, MASTICS, ETC.)
THERMOSTATS

SUBSTITUTIONS: CONTRACTOR SHALL PAY FOR ANY AND ALL ADDED COSTS ASSOCIATED WITH ANY SUBSTITUTION, INCLUDING SUBSTITUTIONS THAT REQUIRE CHANGES TO THE OTHER BUILDING COMPONENTS, SUCH AS ELECTRICAL, STRUCTURAL REINFORCING, CEILINGS, WALLS, ROOFS, ETC. THIS WILL INCLUDE ANY ENGINEERING/ARCHITECTURAL RE-DESIGN COSTS AS A RESULT OF SAID SUBSTITUTION. THESE COSTS SHALL NOT BE BORNE BY THE OWNER, ARCHITECT, NOR ENGINEER, REGARDLESS OF ACCEPTABILITY OF SUBSTITUTION. ENGINEER RESERVES THE RIGHT TO ACCEPT OR DENY ANY SUBSTITUTION THAT HE DOES NOT DEEM TO BE EQUIVALENT, AND CONTRACTOR SHALL PROVIDE SPECIFIED OR EQUIVALENT MATERIALS/EQUIPMENT AT NO ADDITION COST TO OWNER, SHOULD A SUBSTITUTION BE DENIED.

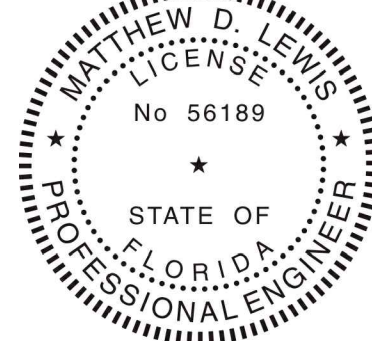
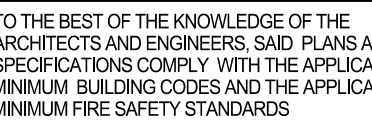
GUARANTEE: THE ONE-YEAR GUARANTEE PERIOD SHALL NOT START UNTIL THE PROJECT IS FULLY COMPLETED AND THE CONTRACTOR HAS RECEIVED THE FINAL PAYMENT. ALL NEW EQUIPMENT AND ALL WORK SHALL BE FULLY GUARANTEED, PARTS AND LABOR, FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR ONE YEAR FROM THE DATE OF THE FINAL PAYMENT, AT NO ADDITIONAL COST TO OWNER. REPAIRS MADE DURING THIS PERIOD MUST BE FULLY GUARANTEED FROM DEFECTS IN MATERIAL AND WORKMANSHIP, AT NO EXPENSE TO THE OWNER. FOR EACH ADDITIONAL ONE YEAR PERIOD BEYOND THE PERIOD OF REPAIRS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE REPAIRS AND FOR ANY ADDITIONAL DAMAGE TO THE BUILDING, AND ITS CONTENTS OR OTHER EQUIPMENT, CAUSED BY DEFECTS OR IMPROPER INSTALLATION OF EQUIPMENT OR MATERIAL INSTALLED. ALL NEW HVAC UNITS SHALL INCLUDE 5-YEAR WARRANTY ON COMPRESSORS AND 1-YEAR WARRANTY ON ALL OTHER PARTS AND LABOR FOR LABOR.



MATTHEW D. LEWIS, P.E. FL LIC#56189



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Fax 727. 815. 3337

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DENTAL OFFICE SHELL CONSTRUCTION

7606 NARCOOSSEE ROAD
ORLANDO, FL

08.25.2023
date

23033

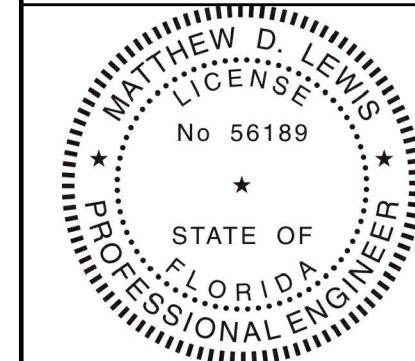
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MECHANICAL SPECIFICATIONS

M1.0



TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS.



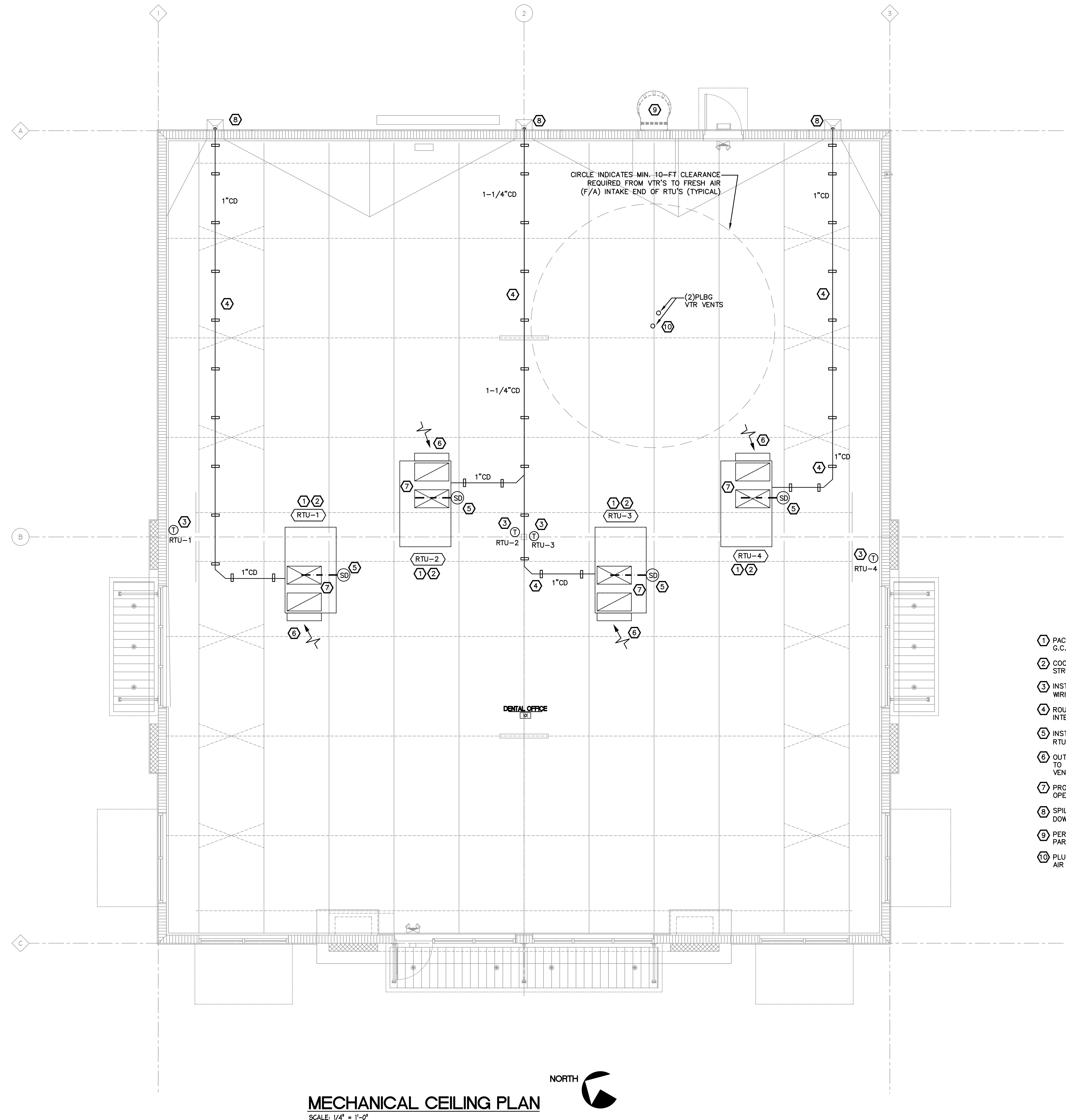
**DENTAL OFFICE
SHELL CONSTRUCTION**

7606 NARCOSSEE ROAD
ORLANDO, FL

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23033
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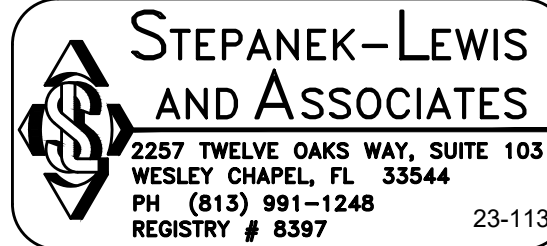
MECHANICAL
CEILING PLAN

M2.0



MECHANICAL CEILING PLAN



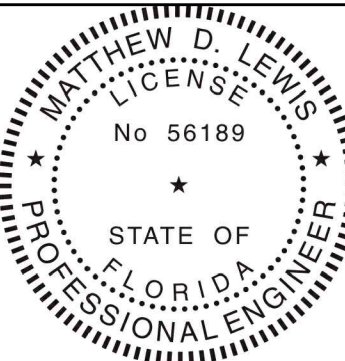


MATTHEW D. LEWIS, P.E. FL LIC#5618



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DENTAL OFFICE
SHELL CONSTRUCTION

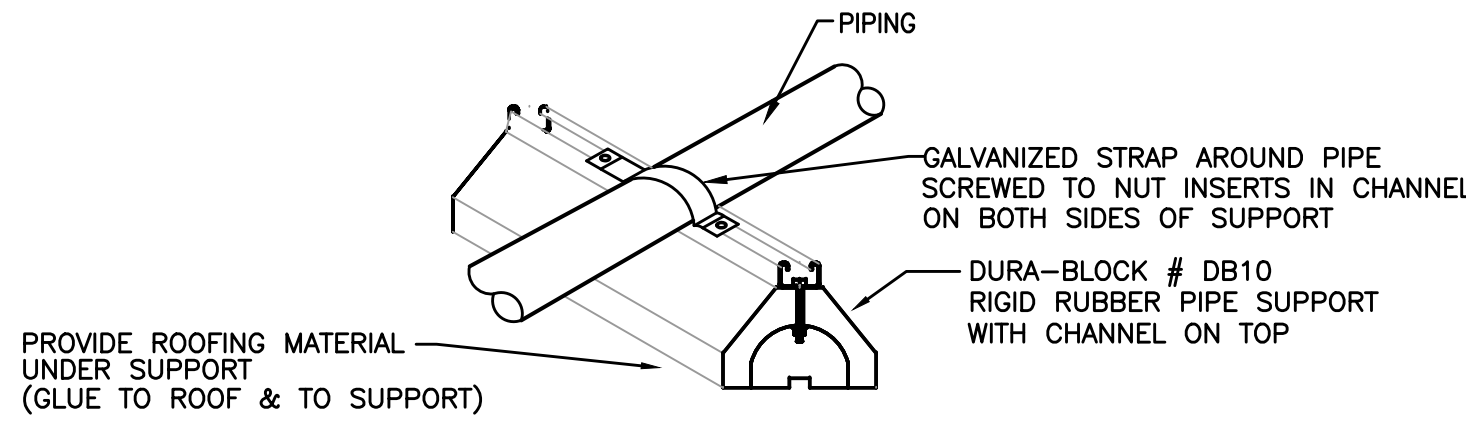
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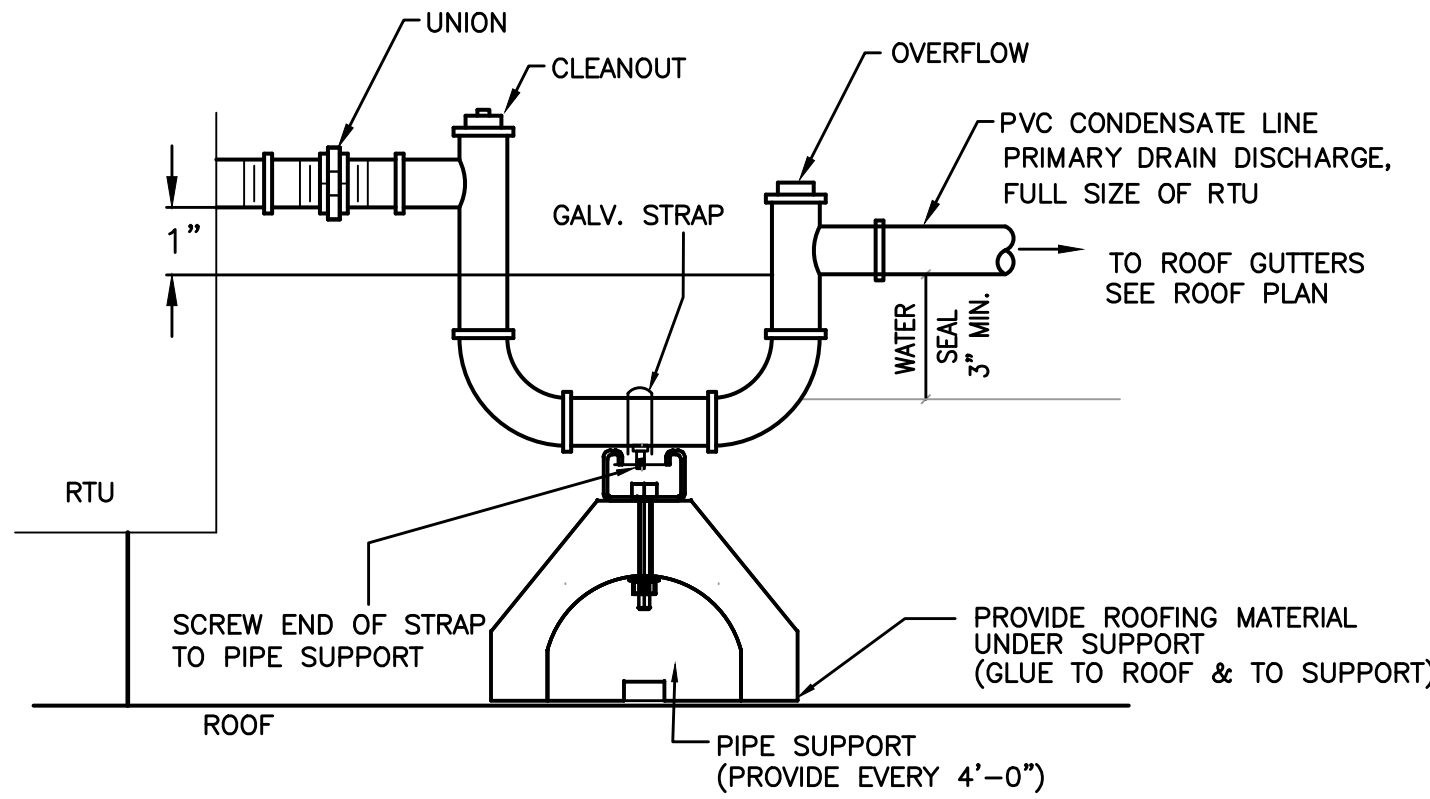
MECHANICAL DETAILS & SCHEDULES

M3.0



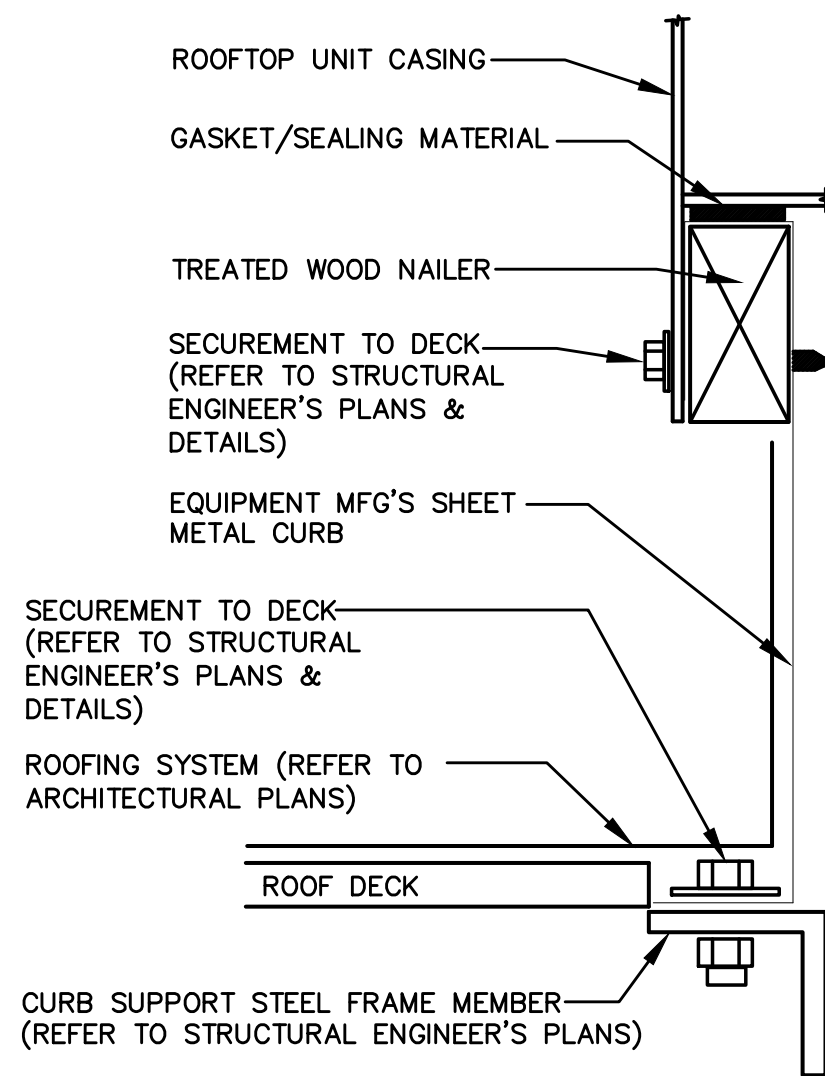
ROOF CONDENSATE PIPE SUPPORT DETAIL

SCALE: NONE



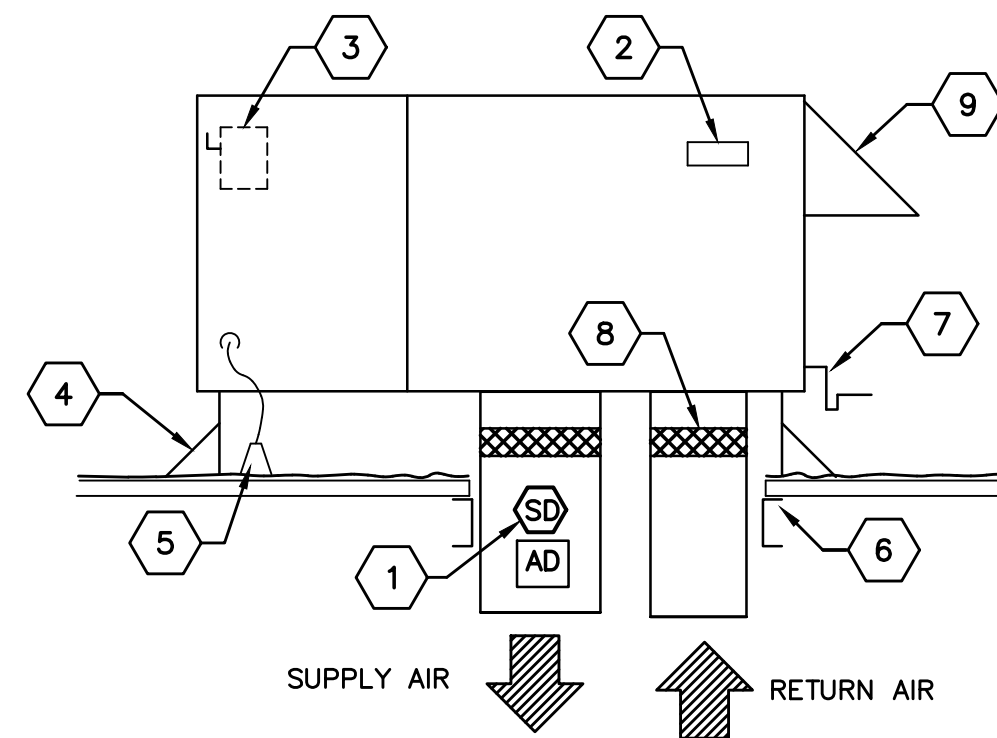
RTU CONDENSATE P-TRAP DETAIL

SCALE: NONE



ATTACHMENT OF RTU AND ROOF CAP ROOFTOP CURBS

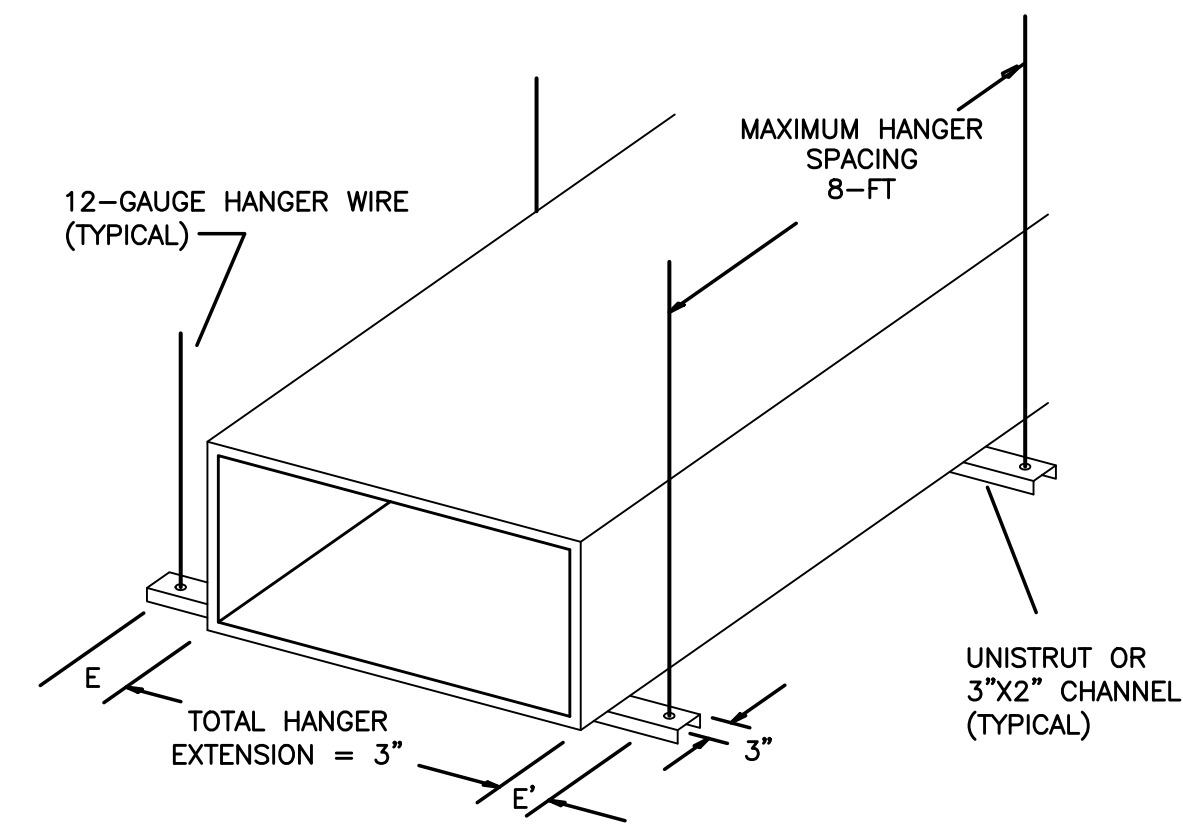
SCALE: NONE



- 1 CONTRACTOR SHALL PROVIDE AND INSTALL AN APPROVED DUCT MOUNTED SMOKE DETECTOR FOR ALL RTU'S DELIVERING 2000 CFM OR MORE PROVIDE 12"x12" ACCESS DOOR.
- 2 UNIT IDENTIFICATION PLATE SCREWED TO UNIT.
- 3 DISCONNECT SWITCH. DO NOT MOUNT HIGHER THAN UNIT.
- 4 PREFAB CURB.
- 5 PATE PIPING PLUG FOR CONTROL, DO NOT RUN IN POWER CONDUIT. DO NOT USE "PATE" PIPING PLUGS AS NOTED WHERE UNIT MANUFACTURER HAS PROVIDED OPENINGS INSIDE PERIMETER CURB.
- 6 CUT HOLE IN ROOF ONLY LARGE ENOUGH FOR DUCT & PROVIDE STRUCTURAL SUPPORT FOR DECKING.
- 7 CONDENSATE TRAP (REFER TO DETAIL). ROUTE CONDENSATE AS INDICATED ON DRAWINGS.
- 8 FLEXIBLE CONNECTION.
- 9 OUTDOOR AIR INTAKE.

ROOFTOP UNIT DETAIL

SCALE: NONE



HANGER AND SUPPORT FOR RECTANGULAR DUCTS

NO SCALE

SEQUENCE OF OPERATIONS FOR HVAC EQUIPMENT

SUPPLY FANS: THE EVAPORATOR FAN WILL RUN CONTINUOUSLY DURING OCCUPIED HOURS, AND CYCLE ON/OFF WITH COOLING/HEATING WHEN IN UN-OCCUPIED MODE, ACCORDING TO THERMOSTAT PROGRAMMING, AND SUBJECT TO FIRE ALARM SHUTDOWN (DUCT SMOKE DETECTOR).

OUTSIDE AIR DAMPER: THE DAMPER CLOSES WHEN THE UNIT IS OFF. DAMPER SHALL OPEN TO MINIMUM POSITION WHEN SUPPLY FAN STARTS TO RUN AND STAY OPEN DURING OCCUPIED MODE.

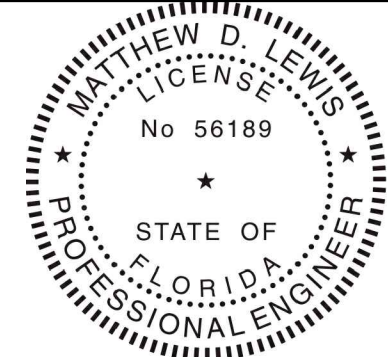
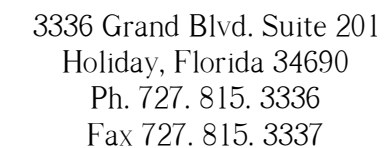
COOLING COIL: THE COOLING COIL AND COMPRESSORS SHALL ENERGIZE TO MAINTAIN SPACE COOLING SETPOINT. (75°F OCCUPIED/ 80°F UNOCC.)

HEATING COIL: THE ELECTRIC HEAT COIL WILL ENERGIZE IN CONTROL STAGES TO MAINTAIN SPACE HEATING SETPOINT. (68°F OCC/60°F UNOCC.).

PACKAGED ROOF TOP UNIT SCHEDULE																						
							BLOWER		COOLING		COOLING CAP		HEATING CAP (ELEC.HEAT)		POWER							
MARK	CFM	O/A CFM	ESP IN. WG.	POWER V/phase	NOMINAL TONS	ARI EFFICIENCY SEER/SEER2	MOTOR HP	DRIVE	ENT AIR		TOTAL kBtu/h	SENS. kBtu/h	KW AT RATED POWER	HEAT CAP. kBtu/h	MCA AMPS	MOCP AMPS	AMBIENT TEMP.	FILTER TYPE	BASE WEIGHT LBS	MFG.	MODEL	NOTES
									DB	WB												
RTU-1 TO 4	2,000	250	0.8	208/3	5	15.0/14.1	1.0	MED	77.4	64.3	55.8	44.1	9.0	30.7	42	45	95°F	2"/30%	743	TRANE	THC060	①②③④⑤⑥⑦⑧⑨⑩

NOTES:

- ① PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT
- ② PROVIDE WITH A MANUFACTURER'S STANDARD INSULATED 14" ROOF CURB. _MUST INCLUDE SHIM KIT TO INSTALL UNIT LEVEL
- ③ PROVIDE WITH A 25% OUTDOOR AIR HOOD WITH 2-POSITION MOTORIZED BALANCING DAMPER, MESH FILTER AND BIRDSCREEN.
- ④ ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SERVICE DISCONNECTS & FUSING.
- ⑤ ELECTRIC HEAT TO BE SINGLE POINT CONNECTION.
- ⑥ PROVIDE LOW AMBIENT ACCESSORY KIT.
- ⑦ PROVIDE MANUFACTURER'S OVERFLOW PAN DRAIN SWITCH.
- ⑧ PROVIDE WITH PHASE MONITOR.
- ⑨ PROVIDE WITH MANUFACTURER'S HAIL GUARD
- ⑩ INSTALL DUCT SMOKE DETECTOR IN SUPPLY DROP (FURNISHED & WIRED BY ELECTRICIAN)

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DENTAL OFFICE
SHELL CONSTRUCTION

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ORLANDO, FL

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PLUMBING NOTES & SPECIFICATIONS

P1.0

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REQUIRED COORDINATION: ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS AND PIPING (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

CONSTRUCTION PLANS: IN GENERAL, PLANS AND DIAGRAMS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.

REQUIRED ACCESS: CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT AND DEVICES THAT REQUIRE REPLACEMENT, SERVICING, ADJUSTING OR MAINTENANCE SHALL BE LOCATED TO ALLOW EASY ACCESS AND SPACE FOR REMOVAL OF INTERNAL ASSEMBLIES, IF REQUIRED. CONTRACTOR SHALL PROVIDE ACCESS PANELS WHERE REQUIRED TO ALLOW ACCESS, EVEN IF NOT INDICATED ON THE DRAWINGS AT NO ADDITIONAL COST TO OWNER.

WIND RESISTANCE: ALL EQUIPMENT, APPLIANCE AND SUPPORTS LOCATED EXTERIOR OF THE FACILITY SHALL BE INSTALLED TO RESIST WIND LOADS AS DETAILED IN THE BUILDING CODE.

CUTTING AND PATCHING: ALL OPENINGS AROUND DUCT OR PIPE PENETRATIONS THROUGH SMOKE OR FIRE RATED FLOORS, CEILINGS OR WALLS SHALL BE SEALED AIRTIGHT WITH MATERIALS HAVING A RATING EQUAL TO THE MATERIAL OF THE WALL, CEILING OR FLOOR PENETRATED.

EQUIPMENT TAGS: ALL EQUIPMENT WILL HAVE A PERMANENTLY FIXED TAG CORRESPONDING TO THE EQUIPMENT TAG ON THE ENGINEER'S DRAWINGS.

FIRESTOPPING: UL APPROVED MATERIALS AND METHODS SHALL PROTECT THE PENETRATIONS OF FIRE AND/OR SMOKE RATED WALLS, CEILINGS OR FLOORS. THE RATING OF THE FIRESTOPPING SHALL EQUAL THE RATING OF THE RATED ASSEMBLY. ALL INSULATION SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS AS TESTED BY PROCEDURE ASTM E-84, NFPA-225, UL-723 NOT EXCEEDING:

FLAME SPREAD	25	SMOKE DEVELOPED	50	FUEL DISTRIBUTED	50
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ACCESSORIES SUCH AS ADHESIVE, MASTIC, CEMENTS AND TAPES SHALL HAVE THE SAME COMPONENT RATING AS LISTED ABOVE.

SERVICE AND PERMITS: CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND SHALL PAY FOR PERMITS.

SHOP DRAWINGS: EACH TRADE SHALL PREPARE AND SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH PROCEDURES OUTLINED IN DIVISION 1. RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SUBMITTALS SHALL NOT BE RELIEVED BY THE ARCHITECT'S OR ENGINEER'S REVIEW. ENGINEER'S PROCESSING WILL NOT CONSTITUTE A COMPLETE CHECK BUT WILL INDICATE ONLY THAT A GENERAL METHOD OF CONSTRUCTION AND DETAILING IS SATISFACTORY. AT A MINIMUM SUBMITTALS SHALL INCLUDE FIXTURES, VALVES, PIPING, INSULATION AND ACCESSORIES.

START-UP: CONTRACTOR SHALL STARTUP ALL EQUIPMENT AND FOLLOW THE MANUFACTURER'S START-UP PROCEDURES.

OPERATING AND MAINTENANCE DATA: SUBMIT THREE COPIES OF MANUFACTURER'S OPERATING AND MAINTENANCE INSTRUCTIONS AND SPARE PARTS LIST FOR EACH PIECE OF EQUIPMENT.

SUPPLEMENTARY SUPPORTS: CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL REQUIRED TO SUSPEND MECHANICAL EQUIPMENT AND MATERIALS IN ORDER TO PROVIDE A "VIBRATION-FREE" RIGID INSTALLATION.

DIELECTRIC UNIONS: PROVIDE DIELECTRIC UNIONS OR FLANGES AT CONNECTIONS OR CONTACT BETWEEN PIPES OF DISSIMILAR METALS.

WATER PIPING: INSIDE WATER LINES SHALL BE HARD-DRAWN COPPER TUBING, TYPE "L" ABOVE-GROUND, TYPE "K" BELOW-GROUND. PROVIDE DIELECTRIC UNIONS WHERE DISSIMILAR METAL ARE IN CONTACT. ALL BURIED PIPING SHALL BE PROTECTED FROM CORROSION WITH 3/8" THICK FLOW RUBBER INSULATION WITH SEAMS SEALED WATERTIGHT. WATER PIPING SHALL BE TYPE-L COPPER TUBING, WITH WROUGHT COPPER FITTINGS (ASTM-B88). CONTRACTOR SHALL PROVIDE FOR EXPANSION AND CONTRACTION OF TUBING. TUBING SHALL BE SLEEVED AT PENETRATION OF CONCRETE SLABS OR WALLS.

BID OPTION: CPVC FLOW-GUARD GOLD, OR EQUAL.

EXPOSED PIPING: EXPOSED PIPING SHALL BE POLISHED CHROMIUM ON EITHER BRASS OR BRONZE. PROVIDE ADA INSULATED WATER AND WASTE LINE COVERINGS FOR WALL HUNG SINKS AND LAVATORIES.

VALVES: ALL VALVES SHALL HAVE A MINIMUM OF 125 PSIG WORKING PRESSURE. VALVES AND COCKS MAY NOT BE INDICATED IN EVERY INSTANCE ON THE DRAWINGS, BUT WHETHER OR NOT SHOWN, ALL VALVES, COCKS AND CHECK VALVES NECESSARY FOR THE PROPER OPERATION OF THE SYSTEM SHALL BE FURNISHED AND INSTALLED. INSTALL ISOLATION/SHUT-OFF VALVES AT ALL MAIN RISERS, AND MAIN BRANCH TAKEOFFS. INSTALL ISOLATION/SHUT-OFF VALVES ON EACH INLET AND OUTLET OF EACH PIECE OF EQUIPMENT. PROVIDE A FLANGE OR UNION BETWEEN THE VALVE AND THE EQUIPMENT TO PERMIT DISCONNECTION, REMOVAL AND SERVICE.

STERILIZATION OF DOMESTIC WATER SYSTEM: THE ENTIRE DOMESTIC WATER DISTRIBUTION SYSTEM SHALL BE THOROUGHLY STERILIZED AS REQUIRED BY THE HEALTH AUTHORITY OR WATER PURVEYOR HAVING JURISDICTION, OR IN THE ABSENCE OF A PRESCRIBED METHOD, THE PROCEDURE DESCRIBED IN EITHER AWWA C651 OR AWWA C652, OR AS DESCRIBED IN SECTION 610 FBC-P (2020).

VENTING: THE STACKS SHALL BE EXTENDED THROUGH ROOF OF BUILDING TO POINTS NOT LESS THAN 12" ABOVE ROOF. VENTS SHALL BE OFFSET AS REQUIRED TO PENETRATE ROOFS AT LEAST 3 FEET FROM THE RIDGE OR EDGE OF BUILDING AND 10 FEET FROM ANY FRESH AIR INTAKE OR OPERABLE WINDOW OR DOOR.

SANITARY WASTE, STORM AND VENT PIPING: ALL BELOW AND ABOVE GROUND PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC-DWV. (SOLID CORE) SLOPE OF SANITARY OR DRAINAGE PIPING 2-1/2" AND SMALLER SHALL BE A MINIMUM OF 1/4" PER FOOT; PIPING 3" AND LARGER SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT. CLEANOUTS WILL BE LOCATED NOT MORE THAN 100 FEET APART AND AT EACH CHANGE OF DIRECTION GREATER THAN 45° ALONG THE HORIZONTAL DRAIN. CLEANOUTS SHALL BE INSTALLED AT BASE OF EACH STACK. CONCEALED CLEANOUTS SHALL HAVE CAST BRASS CHROMIUM PLATED FLAT ACCESS COVER PLATE.

PLUMBING FIXTURES AND TRIM: PLUMBING FIXTURES SHALL BE FURNISHED AND INSTALLED IN A NEAT AND WORKMANLIKE MANNER WITH PROPER CONNECTIONS TO SUPPLY AND DRAINAGE PIPING. ALL FIXTURES SHALL BE FREE OF FLAWS AND DEFECTS OF ANY SORT IN MATERIAL AND WORKSMANSHIP AND SHALL OPERATE PERFECTLY WHEN INSTALLED IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. CONTRACTOR SHALL PROVIDE ROUGH-IN, AND SHALL CONNECT ALL FIXTURES TO THE PLUMBING SYSTEMS. ALL FIXTURES TO BE PROVIDED WITH CHROME-PLATED SUPPLIES AND STOPS. PROVIDE 17 GAUGE CHROME-PLATED BRASS TRAPS FOR ALL FIXTURES WITHOUT INTEGRAL TRAPS. PROVIDE CONCEALED ARM CARRIERS AND SUPPORTS FOR ALL FIXTURES REQUIRING SAME.

TESTING: TEST ALL WASTE AND VENT PIPING FOR A PERIOD OF NOT LESS THAN 8 HOURS BY CAPPING OR PLUGGING. ALL JOINTS TO A LEVEL OF THE HIGHEST FIXTURE OR FITTINGS. FILLING THE SYSTEM WITH WATER, AND OBSERVING FOR LEAKS. TEST WATER PIPING AT 100 PSIG FOR A PERIOD OF 8 HOURS, OBSERVING FOR ANY VISIBLE LEAKS. TEST PIPING AGAIN WITH FIXTURES INSTALLED. REPAIR ANY LEAKS FOUND BY REMAKING JOINT. DO NOT USE CAULKING OR SIMILAR METHODS TO CORRECT LEAKS. UPON REPAIRING ANY LEAKS FOUND. AGAIN TEST THAT PORTION OF THE SYSTEM AS DESCRIBED ABOVE.

EQUIPMENT FURNISHED BY OTHERS: WHERE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL MAKE ALL PIPING CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS. THIS WORK SHALL INCLUDE FURNISHING AND INSTALLATION OF ALL WATER AND DRAIN PIPING. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH RECOMMENDATIONS OF EQUIPMENT MANUFACTURER.

GUARANTEE. THE ONE-YEAR GUARANTEE PERIOD SHALL NOT START UNTIL THE PROJECT IS FULLY COMPLETED AND THE CONTRACTOR HAS RECEIVED THE FINAL PAYMENT AND CERTIFICATION OF COMPLETION. ALL EQUIPMENT AND ALL WORK SHALL BE FULLY GUARANTEED, PARTS AND LABOR, FOR ONE YEAR FROM THE DATE OF THE CERTIFICATE OF COMPLETION. REPAIRS MADE DURING THIS PERIOD MUST BE FULLY GUARANTEED FOR AN ADDITIONAL ONE YEAR PERIOD FROM THE DATE OF REPAIRS. IN ADDITION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO THE BUILDING, AND ITS CONTENTS OR OTHER EQUIPMENT, CAUSED BY DEFECTS OR IMPROPER INSTALLATION OF EQUIPMENT OR MATERIAL INSTALLED.

SUBSTITUTIONS: CONTRACTOR SHALL PAY FOR ANY AND ALL ADDED COSTS ASSOCIATED WITH ANY SUBSTITUTION, INCLUDING SUBSTITUTIONS THAT REQUIRE CHANGES TO THE OTHER BUILDING COMPONENTS, SUCH AS ELECTRICAL, STRUCTURAL REINFORCING, CEILINGS, WALLS, ROOFS, ETC. THIS WILL INCLUDE ANY ENGINEERING/ARCHITECTURAL RE-DESIGN COSTS AS A RESULT OF SAID SUBSTITUTION. THESE COSTS SHALL NOT BE BORNE BY THE OWNER, ARCHITECT, NOR ENGINEER, REGARDLESS OF ACCEPTABILITY OF SUBSTITUTION. ENGINEER RESERVES THE RIGHT TO ACCEPT OR DENY ANY SUBSTITUTION THAT HE DOES NOT DEEM TO BE EQUIVALENT, AND CONTRACTOR SHALL PROVIDE SPECIFIED OR EQUIVALENT MATERIALS/EQUIPMENT AT NO ADDITIONAL COST TO OWNER. SHOULD A SUBSTITUTION BE DENIED.

DESCRIPTION	ABBREV.	SYMBOL
SANITARY PIPING	SAN	_____
GREASE PIPING	GR	_____GR_____
VENT PIPING	V	_____
DOMESTIC COLD WATER	CW	_____
DOMESTIC HOT WATER	HW	_____
BALL-ISOLATION VALVE	BV	_____BV_____
DUAL-CHECK BACKFLOW PREVENTER		N
GRADE CLEAN OUT	COTG	COTG ⊙ _____
FLOOR CLEAN OUT	FCO	FCO ⊙ _____
PIPE TURNING UP		⊙ — — — —
PIPE TURNING DOWN		⊙ — — — —
CAPPED PIPING		E — — — —
BELOW FINISHED FLOOR	BFF	
TYPICAL ITEM	TYP	

ALL ROOF DRAINAGE DESIGNED BY ARCHITECT. REFER TO ARCHITECTURAL PLANS FOR SIZES, QUANTITIES AND LOCATIONS OF GUTTERS, ROOF DRAINS, SCUPPERS, DOWNSPOUTS, ETC.

CONTRACTOR SHALL FIELD VERIFY LOCATIONS & INVERTS OF ALL UTILITY MAINS (I.E. SEWER, DOMESTIC WATER, ETC.) PRIOR TO ANY INSTALLATION OR CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING ANY FURTHER.

NOTE: PLEASE REFER TO CIVIL ENGINEER'S UTILITY PLANS FOR FURTHER REFERENCE AND CONTINUATIONS BEYOND 5-FT FROM BUILDING. FIELD COORDINATE WITH SITE CONTRACTOR PRIOR TO ANY INSTALLATION OF UNDERGROUND PIPING.

THE DOMESTIC WATER SERVICE SHALL BE MIN OF 60 PSI AND 30-GPM AT THE POINT OF BUILDING ENTRY. IF THE SERVICE STATIC IS OVER 80 PSI, A PRESSURE REDUCING VALVE SHALL BE PROVIDED BY THE SHELL CONTRACTOR. IF THE PRESSURE IS UNDER 60 PSI OR FLOW 30-GPM AT THE POINT OF ENTRY, A PACKAGED BOOSTER PUMP SHALL BE PROVIDED AND INSTALLED. (SEPARATE LINE ITEM PRICES REQUIRED WITH BID FOR BOOSTER PUMP & PRV)

IMMEDIATELY UPON INSTALLATION OF THE WATER SERVICE TO THE BUILDING, THE PLUMBING CONTRACTOR SHALL PERFORM A PRESSURE TEST. SHOULD THE PRESSURE NOT MEET THE ABOVE STATED CRITERIA, THE GENERAL CONTRACTOR SHALL PROVIDE RESULTS TO THE ARCHITECT AT THE EARLIEST POSSIBLE DATE. THE ARCHITECT WILL THEN PROVIDE THE NECESSARY DESIGN REMEDIES TO THE CONTRACTOR FOR PRICING, PERMIT AND CONSTRUCTION, IF LINE ITEM BOOSTER PUMP PACKAGE SPECIFIED IS NOT SUFFICIENT.

NOTE:
BOOSTER PUMP SHALL ONLY BE INSTALLED
WHERE REQUIRED DUE TO INADEQUATE WATER
PRESSURE. REFER TO SPECIFIC TENANT
REQUIREMENTS.



FWH
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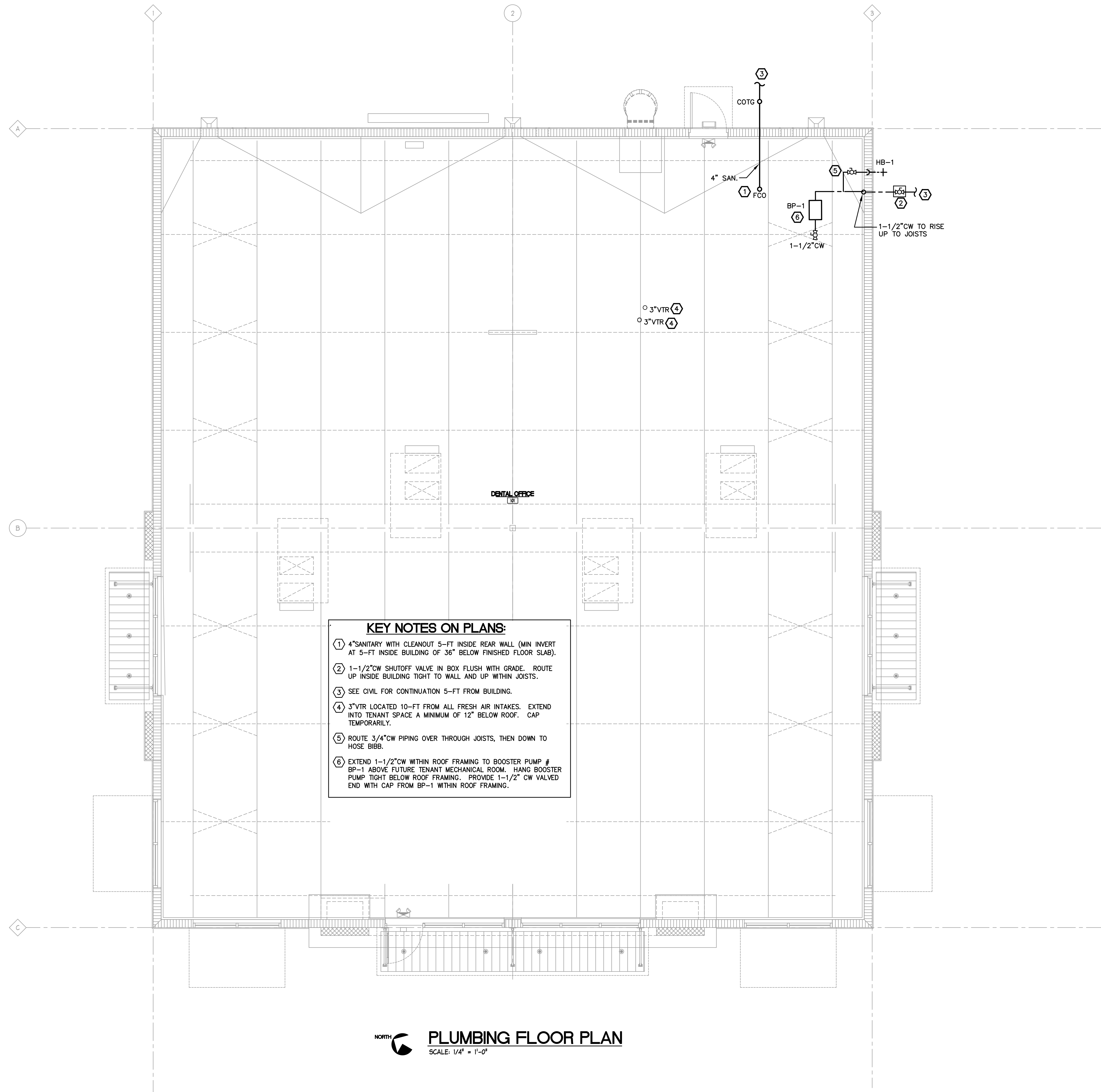
A circular professional engineer seal for the State of Florida. The outer ring contains the text "MATTHEW D. LEWIS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top, "No 56189" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. The seal has a serrated outer edge.

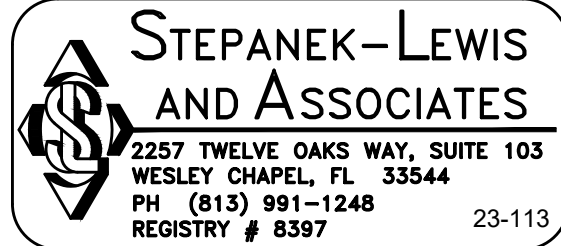
no.	date		revision descriptions

DENTAL OFFICE
SHELL CONSTRUCTION

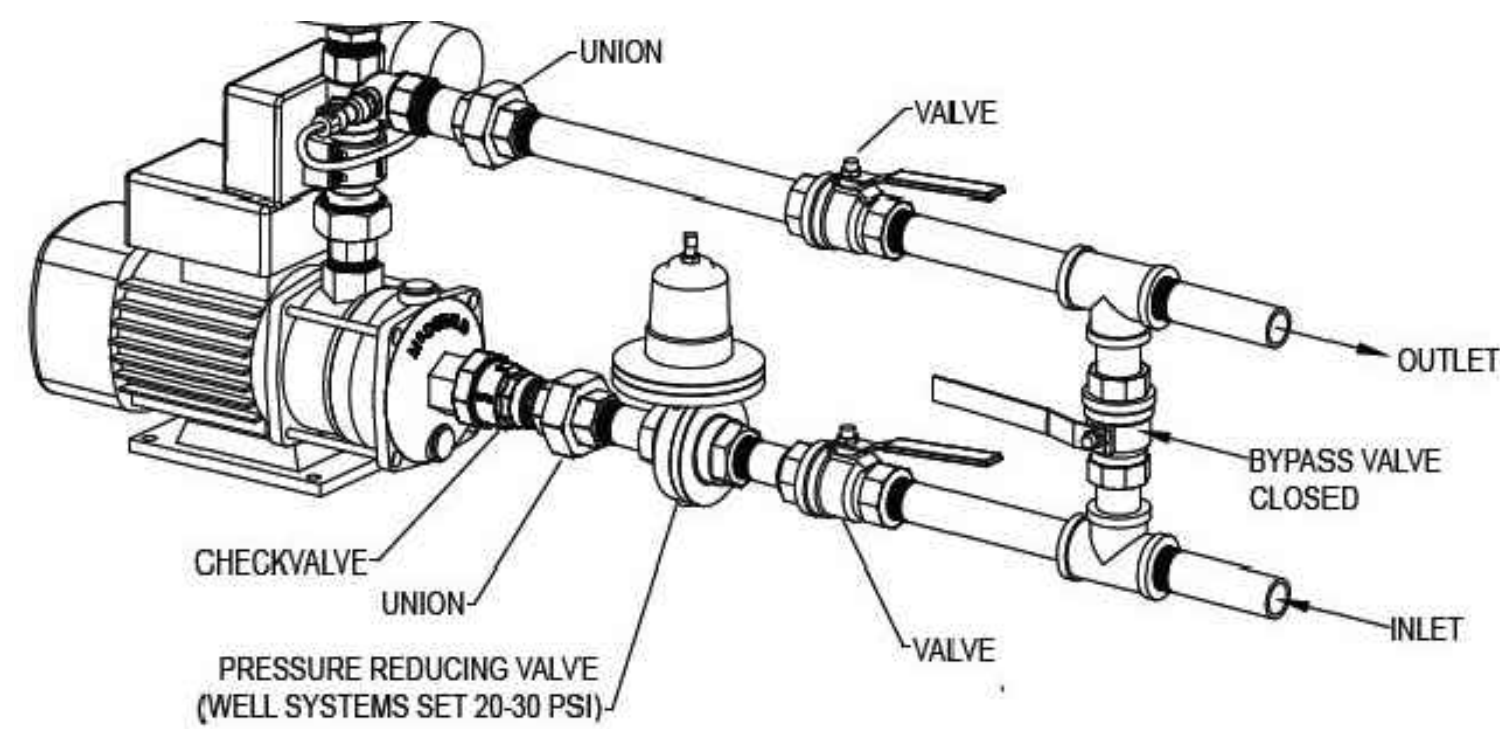
08.25.2023 date
23033 comm. no.
PLUMBING FLOOR PLAN

P2.0





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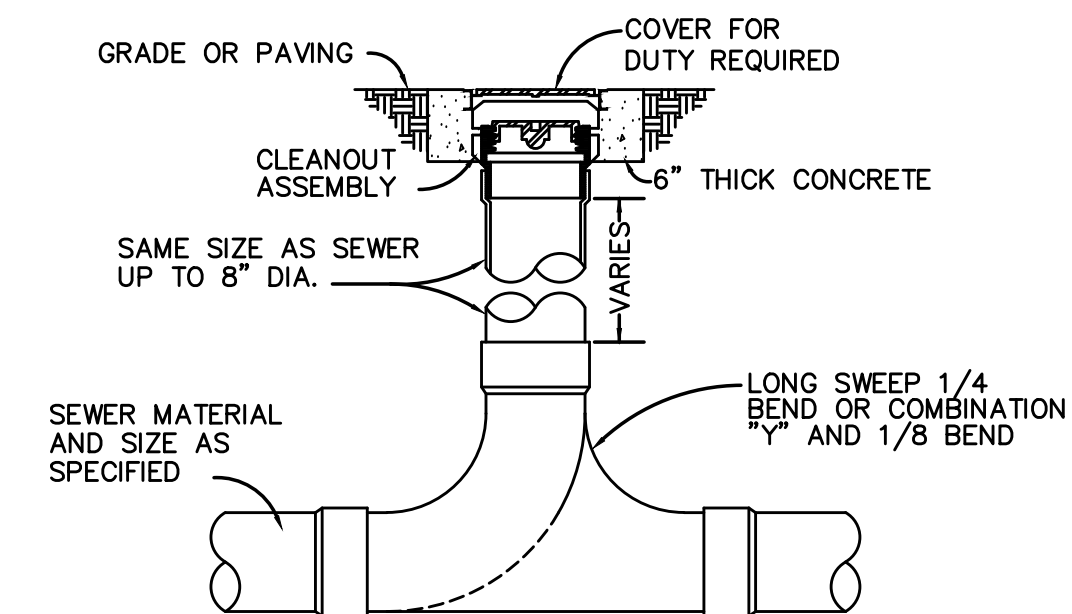
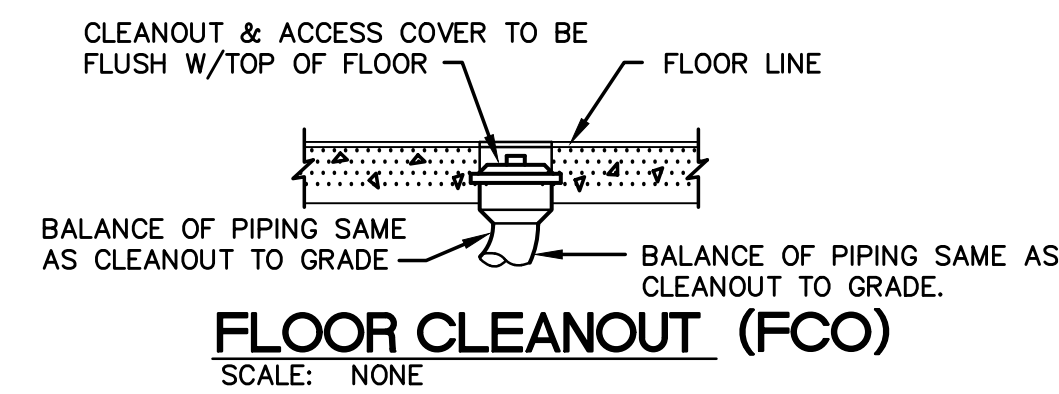
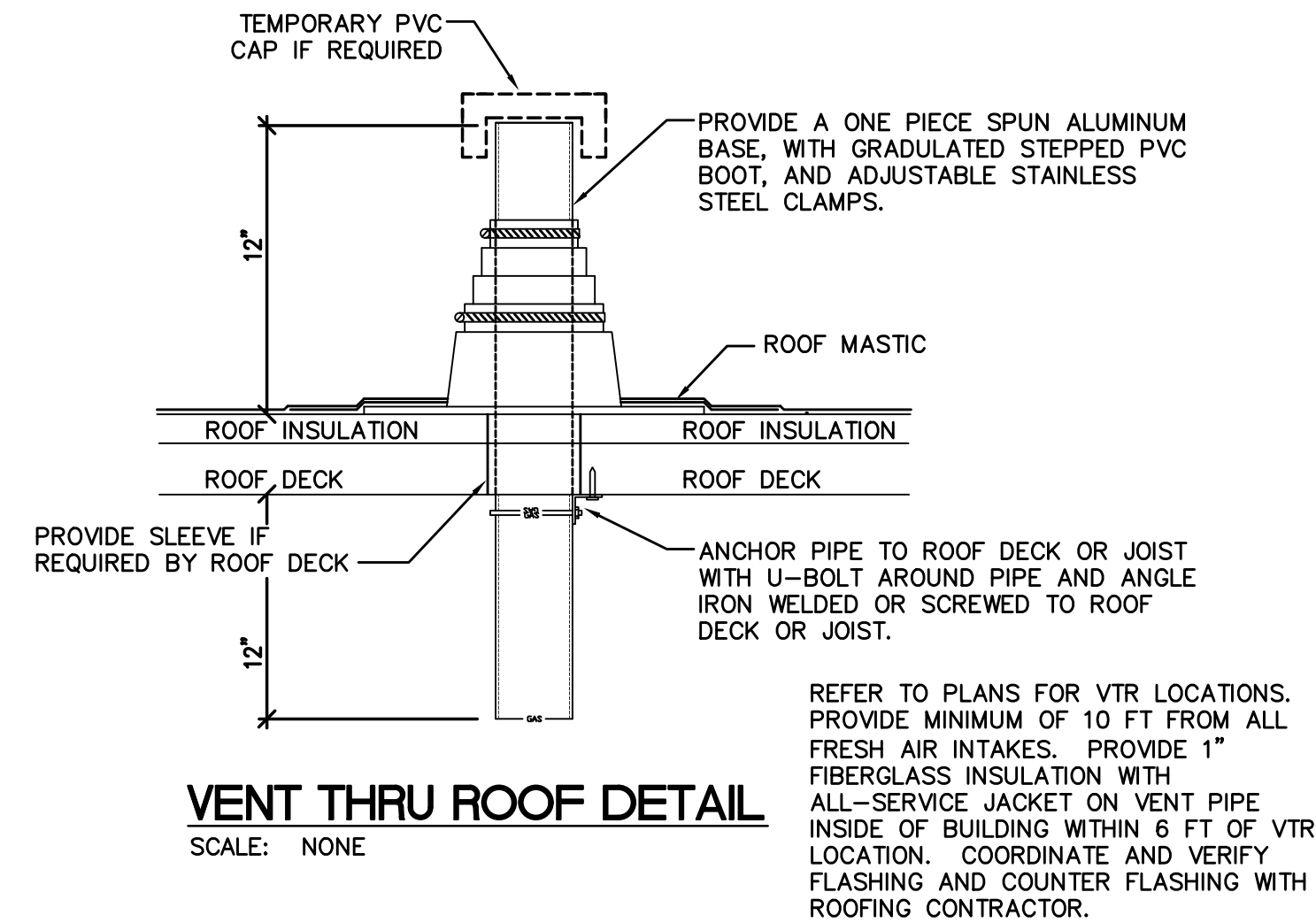


NOTE: MOUNT FROM BEAMS WITH (2) UNISTRUT,
1/2" RODS, AND BEAM CLAMPS

PACKAGED BOOSTER SYSTEM SCHEMATIC

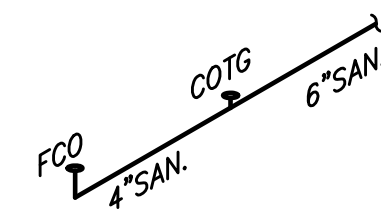
SCALE: NONE

FIXTURE & CONNECTION SCHEDULE							
FIXTURE	TAG	BRANCH SIZE				MANUFACTURER/MODEL	REMARKS
		DRAINAGE		WATER			
		WASTE	VENT	COLD	HOT		
FLOOR CLEANOUT	FCO	--	--	--	--	ZURN # Z1400-ZB	"LEVEL-TROL" ADJUSTABLE FLOOR CLEANOUT, DURA-COATED CAST-IRON, POLISHED BRONZE TOP, ADJUSTABLE TO FLOOR FINISH.
HOSE BIBB	HB-1	--	--	3/4"	--	WOODFORD # B24	HOSE BIBB: WALL HYDRANT, FLUSH WALL BOX, POLISHED BRASS FACE PLATE, BRONZE CASING, HOSE CONNECTION WITH INTEGRAL VACUUM BREAKER, WHEEL HANDLE. T-KEY FOR BOX.
BOOSTER PUMP PROVIDE SEPARATE LINE ITEM PRICE	BP-1	--	--	1-1/2"	--	PERFECT PRESSURE PUMP # P3-3HP NOTE : ONLY REQUIRED IF SITE PRESSURE CANNOT MEET TENANT MINIMUM PRESSURE IN LEASE.	SEPARATE LINE ITEM - PACKAGED DOMESTIC WATER PRESSURE BOOSTER SYSTEM. SYSTEM TO INCLUDE 3-HP MOTOR AT 208-VOLTS/1-PHASE, PROVIDING 46-PSI BOOST, 50-GPM. PROVIDE ALL COMPONENTS NECESSARY FOR COMPLETE INSTALLATION INCLUDING, BUT NOT LIMITED TO: UNIONS, BALL VALVES, DIGITAL PRESSURE/SPEED CONTROLLER, AND PRESSURE REDUCING VALVES.



2-WAY GRADE CLEANOUT DETAIL (COTG)

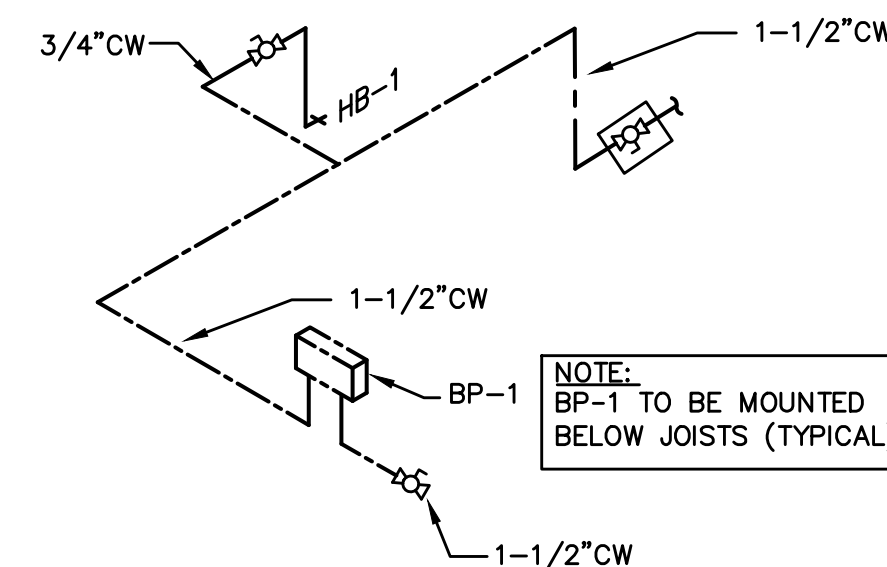
SCALE: NONE



TOTAL DRAINAGE FIXTURE UNITS
ALLOWABLE PER FBC-P TABLE 710.1(1)
= 180 DFU AT 1/8" PER FOOT SLOPE.

SANITARY ISOMETRIC RISER

SCALE: NONE



TOTAL WATER FIXTURE UNITS
ALLOWABLE PER FBC-P TABLE E201.1
= 238 WFU NOT MORE THAN 300-FT

DOMESTIC WATER ISOMETRIC RISER

SCALE: NONE

[illegible]

DENTAL OFFICE SHELL CONSTRUCTION

7606 NARCOOSSEE ROAD
ORLANDO, FL

08.25.2023
date

23033
comm. no.

PLUMBING SCHEDULES, RISERS & DETAILS

P3.0

E0.1

NOTES

- CONDUIT RUN BELOW GRADE SHALL BE PVC SCHEDULE 40. 90° ELBOWS, 2" AND LARGER SHALL BE GALVANIZED RIGID CONDUIT(S). RISERS SHALL BE RIGID STEEL CONDUIT(S) WHERE EXPOSED TO OUTSIDE ELEMENTS, AND SUBJECT TO PHYSICAL DAMAGE, REFER TO SPECIFICATIONS.
- ALL UNDERGROUND SITE CONDUIT SHALL BE BURIED A MINIMUM OF 36 INCHES DEEP BELOW FINISHED GRADE TO TOP OF CONDUIT UNLESS OTHERWISE NOTED.
- PROVIDE COLOR TAPE FOR IDENTIFICATION AT 18 INCHES DEEP (ABOVE SERVICE CONDUIT RUNS) PER N.E.C. 300-5 (D) (3).
- ALL TURNS SHALL BE MADE WITH LONG SWEET ELLS.
- CONTRACTOR SHALL PROVIDE ALL EXCAVATING AND BACK FILLING REQUIRED FOR ALL NEW WORK INCLUDING FILL, COMPACTION, SURFACE, ETC. TO MEET ALL REQUIREMENTS AS APPLICABLE FOR THE AREA.
- PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR SHALL DETERMINE THE PRESENCE AND LOCATION OF ANY UNDERGROUND RACEWAYS SUCH AS TELEPHONE, ELECTRIC POWER, WATER, GAS, SEWAGE LINES, ETC. WHETHER PREVIOUSLY EXISTING OR AS INSTALLED BY OTHER TRADES, TO AVOID INTERFERENCE WITH ANY SUCH SYSTEM.
- ALL SPARE, EMPTY CONDUITS SHALL BE LABELED AS TO THEIR FUNCTION.
- CONTRACTOR SHALL MAINTAIN AN AS-BUILT DIMENSIONAL DRAWING ON SITE SHOWING ALL UNDERGROUND SERVICE ROUTING AND TERMINATION POINTS.
- CONTRACTOR SHALL MEET ON SITE WITH REPRESENTATIVES OF THE UTILITY COMPANIES INCLUDING POWER, TELEPHONE, AND CABLE TO DETERMINE THE FOLLOWING: (PRIOR TO BID AND PRIOR TO ROUGH IN).

POWER COMPANY:

- A - VERIFY EXACT TRANSFORMER(S) LOCATION PRIOR TO BID.
- B - VERIFY PRIMARY CONDUIT WORK REQUIRED AND RESPONSIBILITY PRIOR TO BID.
- C - VERIFY METERING METHOD AND REQUIREMENTS, IF DIFFERENT FROM WHAT IS SHOWN ON THE DRAWINGS, NOTIFY ENGINEER IMMEDIATELY.

TELEPHONE COMPANY:

- A - ORIGIN AND TERMINATION OF THE SERVICE CONDUITS.
- B - INSTALLATION SPECIFICATIONS, SIZE AND QUANTITY REQUIRED. HOWEVER, MAINTAIN QUANTITY AND SIZES SHOWN ON PLANS, IF IN EXCESS OF UTILITY REQUIREMENTS.

NOTE:

CONTRACTOR'S FAILURE TO COMPLY WITH THESE COORDINATION PROCEDURES WILL CONSTITUTE THE CONTRACTOR ASSUMING ALL COSTS ASSOCIATED WITH REPLACING ANY AND ALL WORK ALREADY IN PLACE TO MEET UTILITY COMPANIES' RULES AND REQUIREMENTS.

NBS

KEY NOTES

- PROPOSED ELECTRICAL PANEL LOCATION.
- ELECTRICAL SERVICE LOCATION. SEE POWER RISER DIAGRAM ON SHEET E4.0.
- SECONDARY POWER CONDUITS, FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SEE POWER RISER DIAGRAM ON SHEET E4.0.
- TWO 2" CONDUITS WITH PULL WIRE BY ELECTRICAL CONTRACTOR FOR TELEPHONE SERVICE. CONDUIT TO BE STUBBED UP IN SPACE AT A LOCATION IDENTIFIED BY TENANT.
- ONE 2" CONDUIT WITH PULL WIRE BY ELECTRICAL CONTRACTOR FOR CABLE T.V. SERVICE. CONDUIT TO BE STUBBED UP IN SPACE AT A LOCATION IDENTIFIED BY TENANT.
- NEW 120/208V, 3-PHASE, PAD MOUNTED TRANSFORMER. REFER TO POWER RISER DIAGRAM ON SHEET E4.0 FOR ADDITIONAL DETAILS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH UTILITY COMPANY, SEE CONTACT INFORMATION THIS SHEET.
- TERMINATE TELEPHONE CONDUITS AT PROPERTY LINE. COORDINATE WITH PHONE COMPANY REPRESENTATIVE.
- TERMINATE CABLE CONDUITS AT PROPERTY LINE. COORDINATE WITH UTILITY COMPANY REPRESENTATIVE.
- TELE/DATA STUB-UP PROPOSED LOCATION. SEE SHEET E3.0 FOR LOCATION.
- IRRIGATION TIMER OUTLET. FIELD VERIFY EXACT LOCATION AT THE DUMPSTER ENCLOSURE PRIOR TO ROUGH-IN. PROVIDE GFI WEATHER RESISTANCE RECEPTACLE WITH "WET WHILE IN USE" COVER.
- 4 - #8, 1 - #8 E.G. IN 1" CONDUIT.
- OPTICS ORIENTATION FOR THE SITE LIGHT FIXTURE.
- SITE POLE AND FIXTURE. SEE LIGHTING FIXTURE SCHEDULE ON THIS SHEET AND SHEET E1.1 FOR POLE DETAIL.
- 2 - #8, 1 - #8 E.G. IN 1" CONDUIT.
- SEE "SITE SIGN NOTE" ON THIS SHEET. FIELD COORDINATE EXACT SIGN LOCATION WITH CIVIL DRAWINGS PRIOR TO ROUGH-IN.
- 4 - #8, 1 - #8 E.G. IN 1-1/4" CONDUIT.
- 2 - #10, 1 - #10 E.G. IN 1" CONDUIT.
- (1) 1" CONDUIT WITH PULL WIRE FROM THE DUMPSTER TO 12" A.F.F. AT PANEL 'A' LOCATION. CAP AND LABEL ON BOTH ENDS.
- PROVIDE (1) 3" CONDUIT WITH PULL WIRE FOR FUTURE EV CHARGERS (3 TOTAL).

UTILITY COORDINATION:

TO THE BEST OF OUR ABILITY THE SERVICE HAS BEEN COORDINATED WITH THE UTILITY COMPANY REPRESENTATIVE(S) FOR:

- TRANSFORMER(S) LOCATION.
- CUSTOMER RESPONSIBILITY.
- REQUESTED VOLTAGE & AVAILABILITY.

IT IS THE CONTRACTOR RESPONSIBILITY TO REVISIT THESE ITEMS WITH UTILITY PROJECT ENGINEER TO VERIFY THAT THE CURRENT DESIGN SHOWN ON THE CONSTRUCTION DOCUMENT(S) ARE STILL IN COMPLIANCE WITH THE UTILITY PLANS TO SERVICE THIS SITE.

ANY COST ASSOCIATED WITH UTILITY FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS WITH THE DEVELOPER.

THIS COORDINATION SHALL BE A PART OF SITE MEETING TO BE SCHEDULED BY THE CONTRACTOR WITH THE UTILITY PERSONNEL PRIOR TO THE START OF THE PROJECT.

COORDINATION SHALL ALSO BE MADE WITH TELEPHONE AND CABLE SERVICE REPRESENTATIVE(S) FOR VERIFICATION OF THEIR REQUIREMENTS INCLUDING POINT OF CONNECTION AND TERMINATION POINTS.

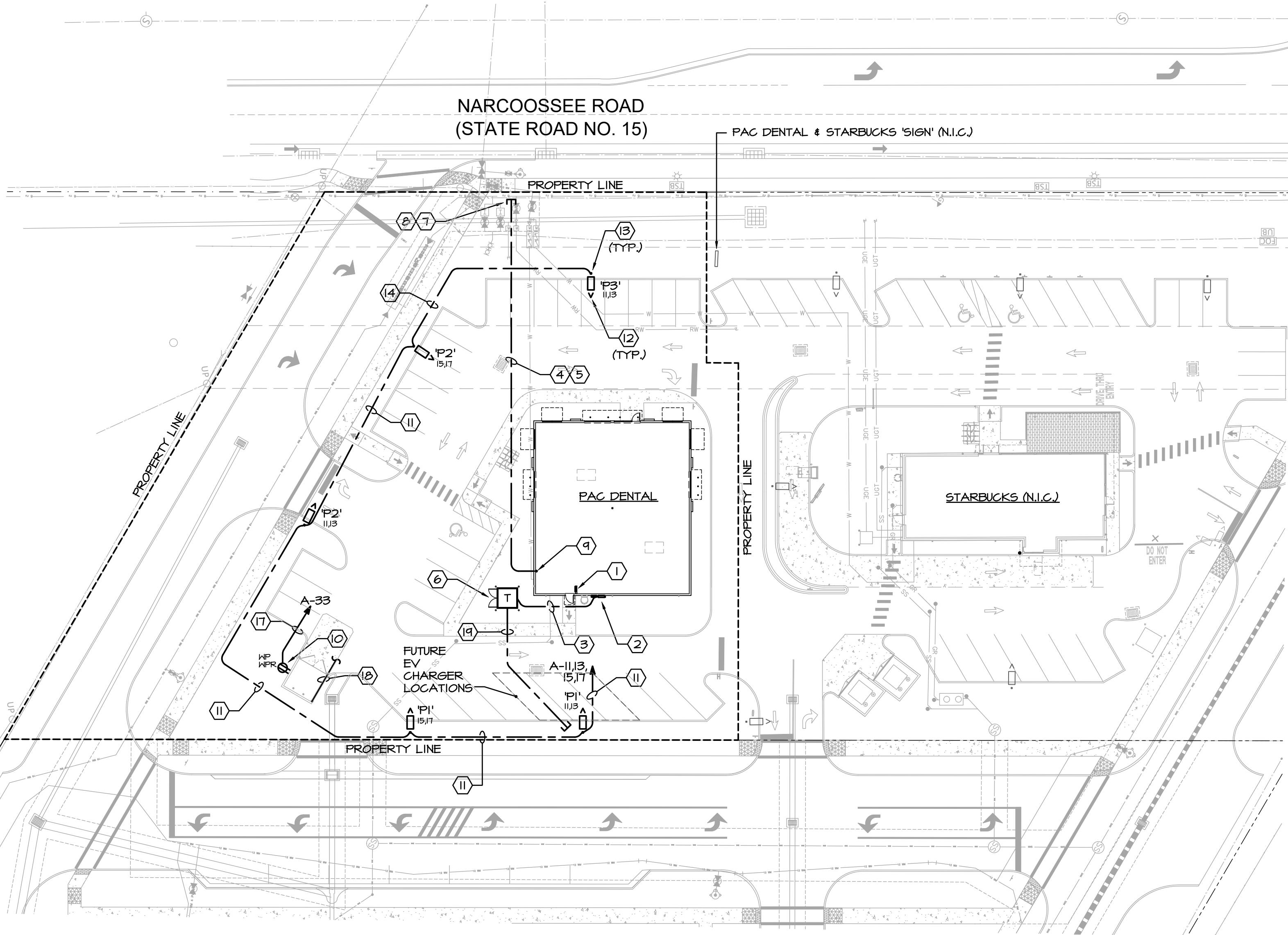
NBS

SITE SIGN NOTE

RUN CONDUCTORS FROM (2) 20 AMP, 1 POLE CIRCUIT BREAKERS IN PANEL INDICATED TO WEATHERPROOF JUNCTION BOX TO BE MOUNTED AT THE BASE OF THE SIGN. ONE FOR SIGN LIGHTING AND ONE FOR A MAINTENANCE OUTLET AT THE SIGN.

THE ELECTRICAL CONTRACTOR SHALL VERIFY WITH THE SIGN SUPPLIER FOR MAINTENANCE DISCONNECT, EXACT TERMINATION REQUIREMENTS AND POINT OF CONNECTION AT THE SIGN.

CONTACT THE ARCHITECT/ENGINEER FOR DIRECTIVES IF THERE IS ANY VARIATION IN REQUIREMENTS FROM THE INFORMATION DESCRIBED IN THIS NOTE.



ELECTRICAL
SITE PLAN
SCALE: 1" = 30'-0"

SITE LIGHTING CONTROLS

SITE LIGHTING IS PROVIDED WITH 50/50 CONTROLS WHERE 50% OF THE LIGHTS REMAIN ON ALL NIGHT PHOTOCELL ON/OFF, AND THE OTHER 50% WILL BE CONTROLLED VIA PHOTOCELL ON AND TIME CLOCK OFF ONE HOUR AFTER CLOSING.

UTILITY CONTACTS

POWER COMPANY: ORLANDO UTILITIES COMMISSION (OUC)
CONTACT: MIKE GALLOWAY
TELEPHONE NO. (407) 434-4148
EMAIL: mgalloway@ouc.com

PHONE COMPANY: ATT
CONTACT: NICK FARIS
TELEPHONE NO. (407) 321-1981
EMAIL: nf0456@att.com

CONTRACTOR SHALL NOTIFY EACH UTILITY COMPANY REPRESENTATIVE LISTED ABOVE OF THE PRE-CONSTRUCTION MEETING SCHEDULE.

2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION (7TH EDITION)

SECTION C405.5 ELECTRIC POWER

C405.5.3 VOLTAGE DROP
THE CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS COMBINED ARE DESIGNED AND SIZED FOR A MAXIMUM OF 5% VOLTAGE DROP TOTAL.

C405.5.4.1 DRAWINGS
CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING:

- A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND
- FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.

C405.5.4.2 MANUALS

CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT AN OPERATING MANUAL AND MAINTENANCE MANUAL BE PROVIDED TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:

- SUBMITTAL DATA STATING EQUIPMENT RATINGS AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
- OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
- NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.

SECTION C408 SYSTEM COMMISSIONING

C408.3.1 FUNCTIONAL TESTING:

- PRIOR TO PASSING FINAL INSPECTION, THE REGISTERED DESIGN PROFESSIONAL SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH SECTIONS C408.3.1.1 THROUGH C408.3.1.3 FOR THE APPLICABLE CONTROL TYPE.

C408.3.2 DOCUMENTATION REQUIREMENTS:

- THE CONSTRUCTION DOCUMENTS SHALL SPECIFY THAT DOCUMENTS DESCRIBED IN THIS SECTION BE PROVIDED TO THE BUILDING OWNER'S AUTHORIZED AGENT WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

N40A

CHEHAYEB & ASSOCIATES, INC.
CONSULTING PROFESSIONAL ENGINEERS

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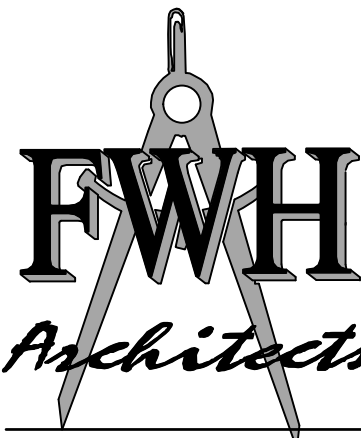
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SOUHEIL CHEHAYEB

CERT. #7340

23-97



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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

SOUHEIL CHEHAYEB, P.E.
FL License No. 49521

no.	date	revision descriptions

DENTAL OFFICE
SHELL CONSTRUCTION

7606 NARCOOSSEE ROAD
ORLANDO, FL

08.25.2023

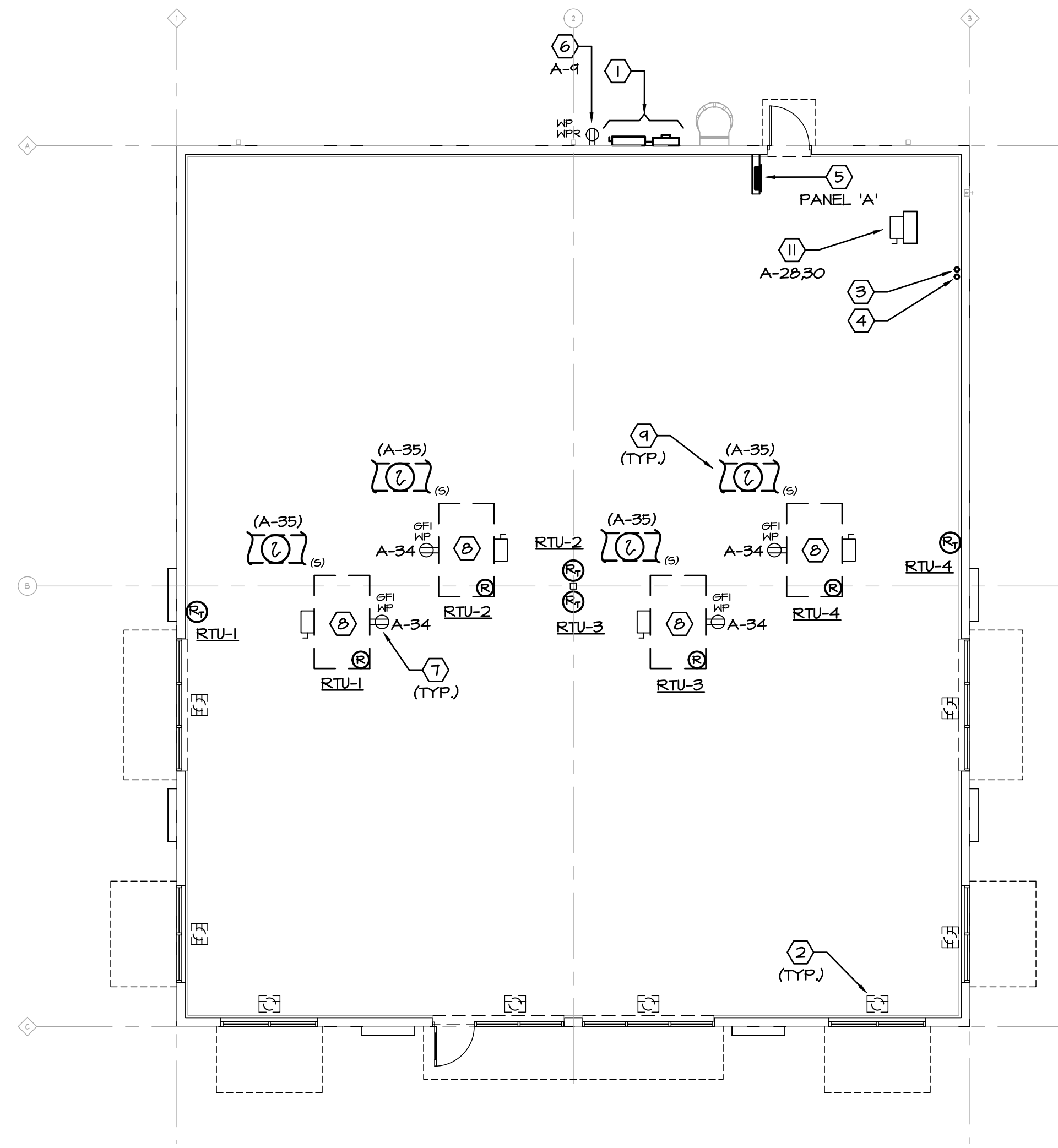
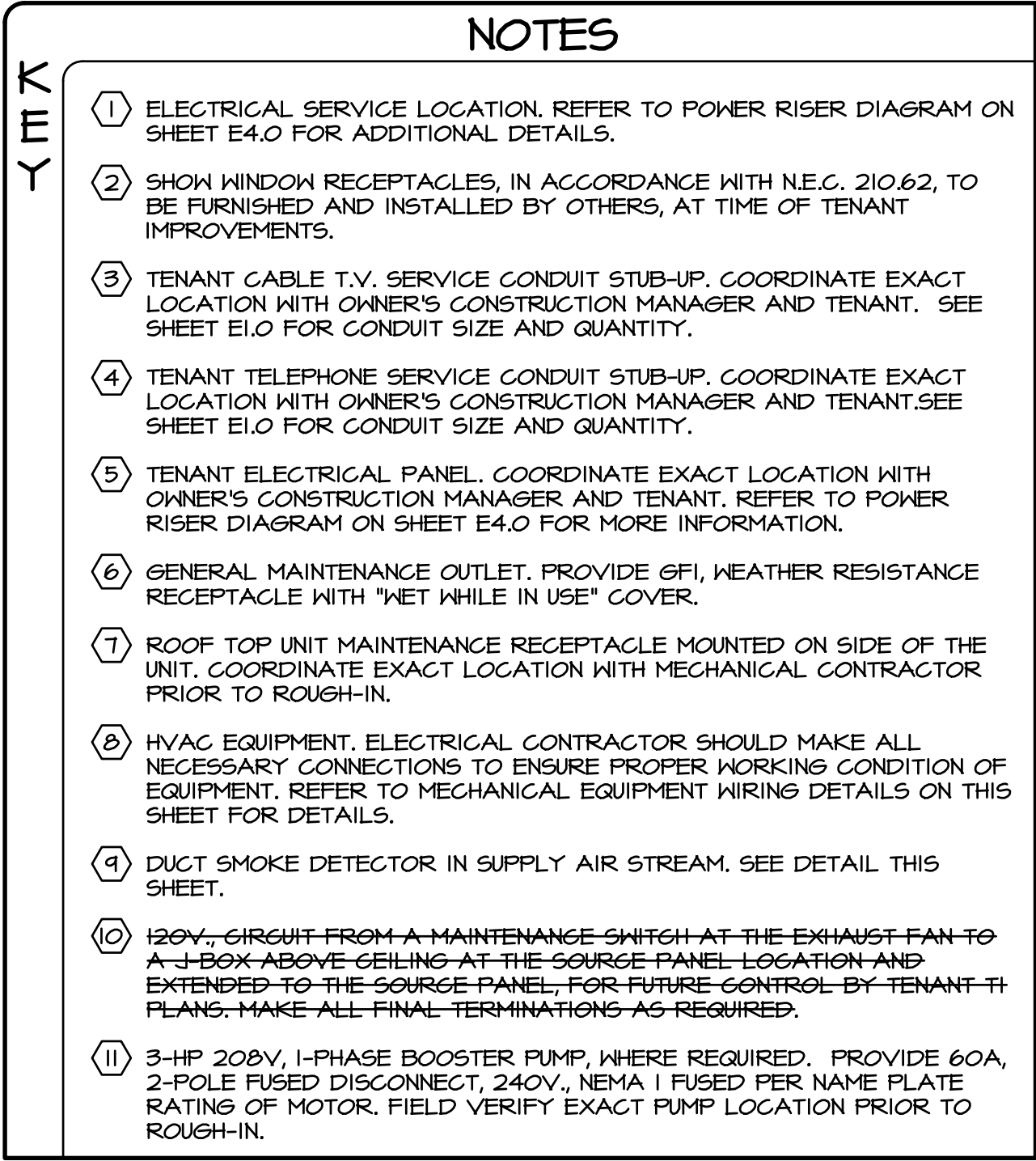
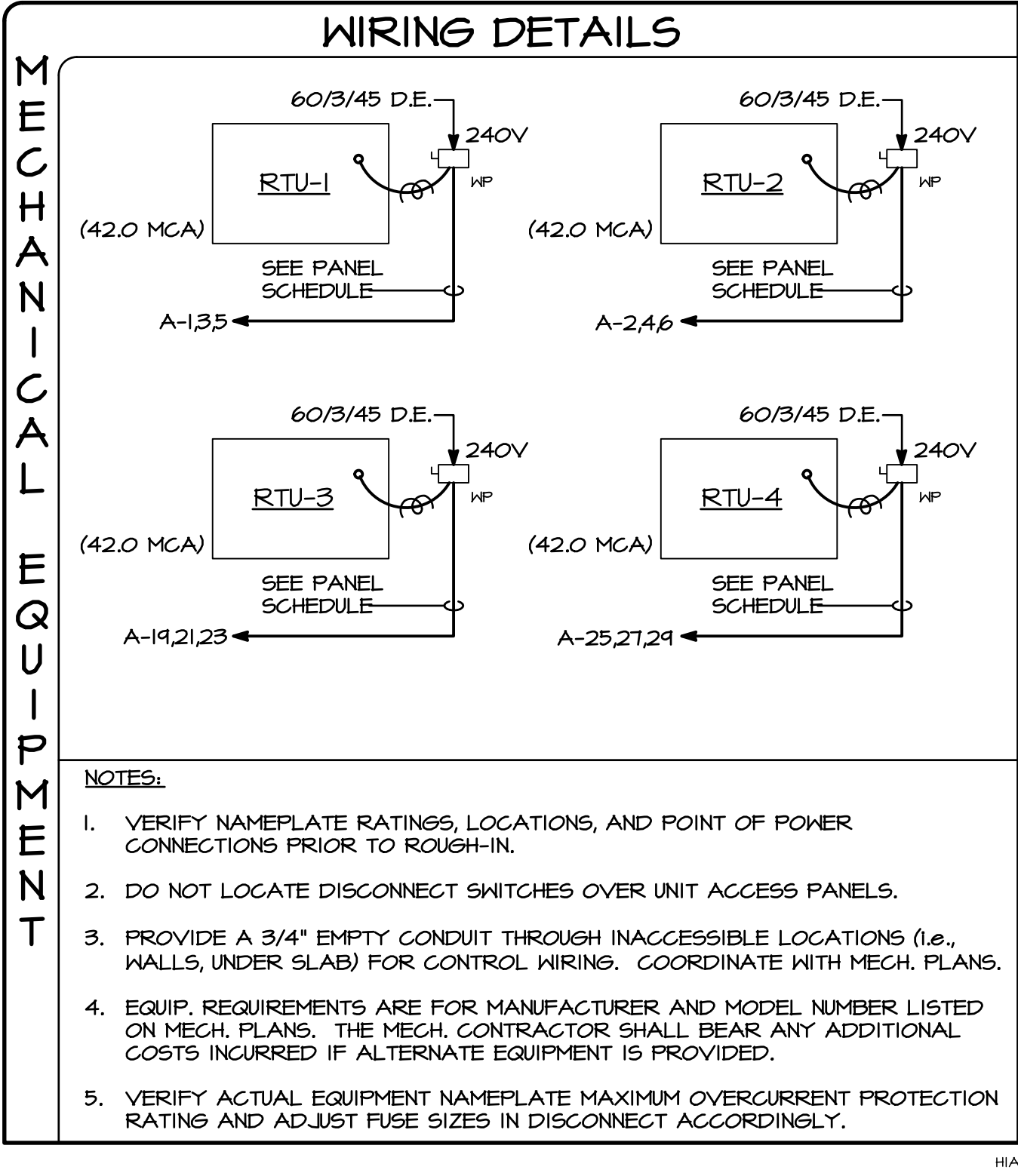
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23033

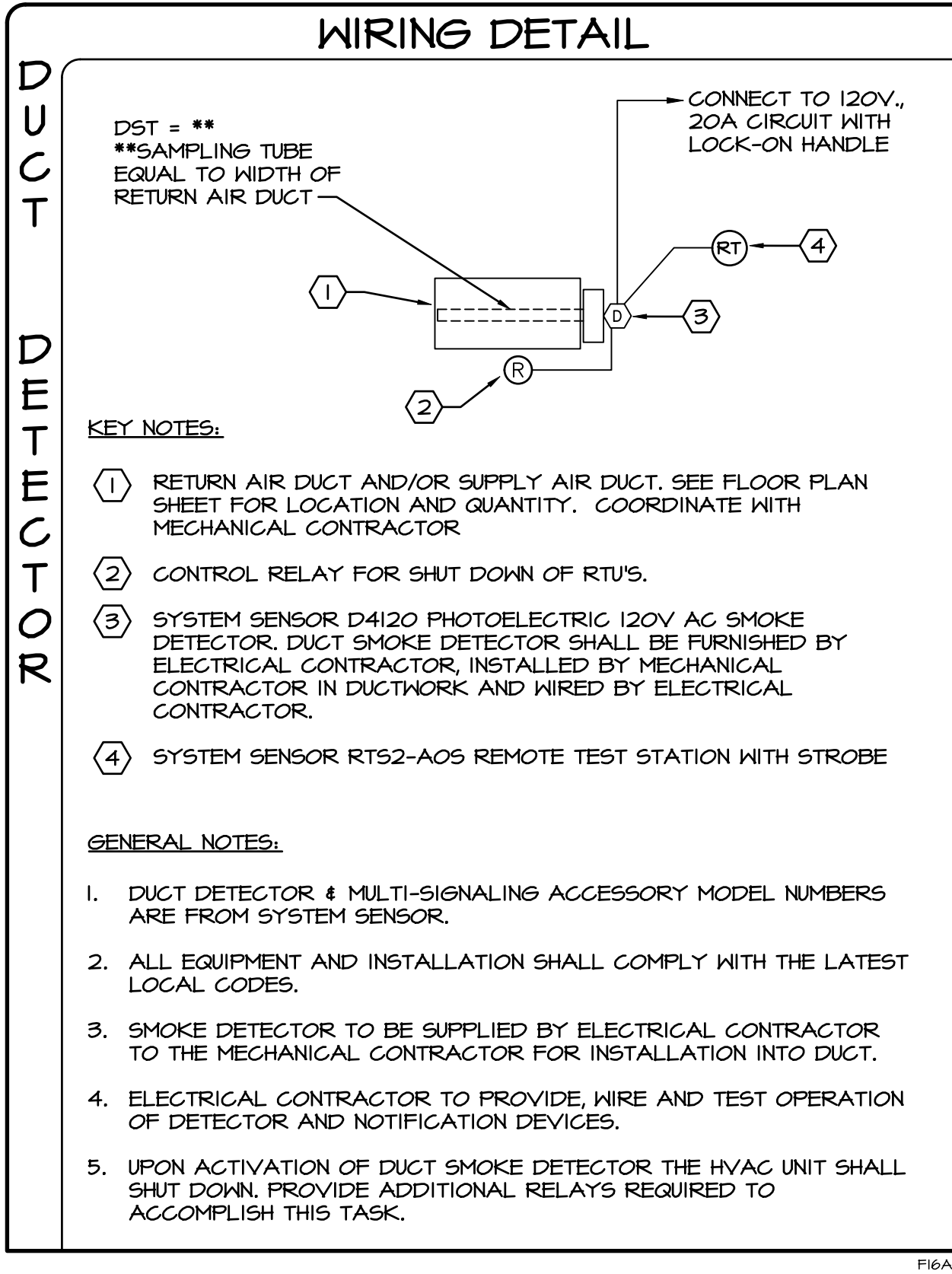
comm. no.

ELECTRICAL
SITE PLAN

E1.0



POWER PLAN
SCALE: 1/8" = 1'-0"



DURING PREPARATION OF THESE SHELL CONSTRUCTION DOCUMENTS, TO THE FULLEST EXTENT POSSIBLE, UTILITY SIZES AND STUB-INS HAVE BEEN PROVIDED TO SATISFY TENANT REQUIREMENTS AND HAVE BEEN COORDINATED WITH CIVIL PLANS.

REFER TO ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING UTILITY STUB-IN SIZES AND LOCATIONS INCLUDING, BUT NOT LIMITED TO, ELECTRICAL POWER, SANITARY WASTE, DOMESTIC WATER, GREASE WASTE, TELEPHONE AND CATV.

TO THE FULLEST EXTENT POSSIBLE, THE SHELL GENERAL CONTRACTOR SHALL OBTAIN TENANT FINISH-OUT PLANS TO VERIFY IF SPECIFIC LOCATIONS FOR ANY UTILITY STUB-INS ARE REQUIRED AND SHALL PLACE THEM ACCORDINGLY.

WIRE SIZING NOTE:

WHERE WIRE SIZES ARE SHOWN ON DRAWING OR PANEL SCHEDULE, THE SAME WIRE SIZE, AS A MINIMUM, SHALL BE CARRIED THROUGHOUT THE CIRCUIT. TYPICAL FOR ALL DRAWINGS.

N3A

GROUND CONDUCTOR NOTE:

PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN EVERY CONDUIT AND RACEWAY. GROUNDING CONDUCTOR SIZE SHALL BE PER N.E.C. ARTICLE 250 TABLE 250.122 (MIN)

CONDUIT STUB-UP NOTE:

COORDINATE ALL STUB-UP LOCATIONS AND REQUIREMENTS WITH TENANT PLANS PRIOR TO ROUGH-IN. PROVIDE PULLWIRE FOR ALL EMPTY CONDUITS. CAP AND LABEL EACH CONDUIT STUB-UP.

no.	date	revision descriptions

NILA

PI4A

N44

MANUFACTURER:

SIMENS

- PANEL -

A

LOCATION:

SEE PLANS

SPECIAL:

WITH FEED THRU LUGS

PANEL TYPE: PANEL BOARD

FED FROM: DISCONNECT

120/ 208

VOLTS

3 PHASE

5

WIRES/SOLID NEUTRAL

AMPERE BUS

400

AMPERE MAIN

400

42K INTERRUPTING CAPACITY (AIC)

RATED: SERIES:

- FULL: X

MOUNTING:

FLUSH

- SURFACE

X

MAIN TYPE

LUGS

No.	KVA	NOTE	WIRE	GND	COND	Description	LD	BRK	A	B	C	BRK	LD	Description	WIRE	GND	COND	NOTE	KVA	No.	
1	5.1	-				RTU-1	A3		10.2				A3						5.1	2	
3	5.1	-	3#6	1#10	1*		A3	60		10.2			A3					1*	-	5.1	4
5	5.1	-					A3				10.2		A3						-	5.1	6
7	0.0	-	-	-	-	SPARE	-	20	0.4				20	L	INTERIOR LIGHTING	2#12	1#12	1/2"	-	0.4	8
9	0.4	-	2#12	1#12	1/2"	EXTERIOR RECEPT	M	20		1.2			20	L	EXTERIOR LIGHTING	2#12	1#12	1/2"	C1	0.8	10
11	0.4	C1				SITE LIGHTING	L				1.0		20	L	EXTERIOR WALL PACKS	2#12	1#12	1/2"	-	0.6	12
13	0.4	C2	SEE ELECTRICAL SITE PLAN SHEET E1.0				L	20	0.8				20	L	EXTERIOR CANOPY LTS	2#12	1#12	1/2"	C2	0.4	14
15	0.4	C1				SITE LIGHTING	L			1.6			20	L	TENANT SIGN	2#10	1#10	1/2"	C1	1.2	16
17	0.4	C2					L	20			1.6		20	L	TENANT SIGN	2#10	1#10	1/2"	C1	1.2	18
19	5.1	-					A3		6.3				20	L	TENANT SIGN	2#10	1#10	1/2"	C1	1.2	20
21	5.1	-	3#6	1#6	1*	RTU-3	A3	60		5.1			20	-	SPARE	-	-	-	-	0.0	22
23	5.1	-					A3				5.1		20	-	SPARE	-	-	-	-	0.0	24
25	5.1	-					A3	60	5.1				20	-	SPARE	-	-	-	-	0.0	26
27	5.1	-	3#6	1#6	1*	RTU-4	A3			6.9			40	M	BP-1	2#8	1#8	1*	-	1.8	28
29	5.1	-					A3				6.9		40	M					-	1.8	30
31	0.0	-	-	-	-		-	-	0.4				20(L) M	M	TIME CLOCK POWER	2#12	1#12	1/2"	-	0.4	32
33	0.4	-	SEE SHEET E1.0			IRRIGATION CONTROLLER	M	20		0.8			20	M	MAINTENANCE RECEIPT	2#12	1#12	1/2"	-	0.4	34
35	0.4	-	2#12	1#12	1/2"	DUCT SMOKE DETECTOR	M	20(L)			0.4		20	-	SPARE	-	-	-	-	0.0	36
37	0.0	-					-	-	0.0				20	-	SPARE	-	-	-	-	0.0	38
39	0.0	-	4#10	1#10	3/4"	SURGE SUPPRESSION	-	30(L)		0.0			20	-	SPARE	-	-	-	-	0.0	40
41	0.0	-					-	-			0.0		20	-	SPARE	-	-	-	-	0.0	42

LEGEND/NOTES:

20(L) = PROVIDE HANDLE LOCKING DEVICE FOR THIS BREAKER

KVA SUB TOTALS: 23.2 25.8 25.2

CONNECTED LOAD KVA: 74.2

STD. DEMAND FACTOR (1.0): 66.8

+ LTG DEMAND (1.25 LTG): 9.3

+ KITCHEN DEMAND: 0.0

TOTAL DEMAND KVA: 76.1

DEMAND AMPERES: 211.1

GRAND TOTAL: 23.2 25.8 25.2

KITCHEN MULTIPLIER PER NEC 2017 TABLE 220.56

MARK	POLES	TYPE/CONTROL	FUNCTION	COIL VOLT.	SQUARE 1" CAT. NO.	P.NL
C1	12	ELECT-HELD PC-ON / PC-OFF	50% SITE LIGHTING/EXT. LTS	120	LF-1200-V02	A
C2	Ø	ELECT-HELD PC-ON / TC-OFF	50% SITE LIGHTING	120	LF-80-V02	A

N4A

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THE ARCHITECTS AND ENGINEERS, PLANS
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APPLICABLE MINIMUM BUILDING CODES
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SAFETY STANDARDS

SOUHEIL CHEHAYEB, P.E.
FL License No. 49521

[illegible]

DENTAL OFFICE SHELL CONSTRUCTION

7606 NARCOOSSEE ROAD
ORLANDO, FL

08.25.2023
date

23033
comm. no.

POWER RISER DIAGRAM AND PANEL SCHEDULE

E4.0

