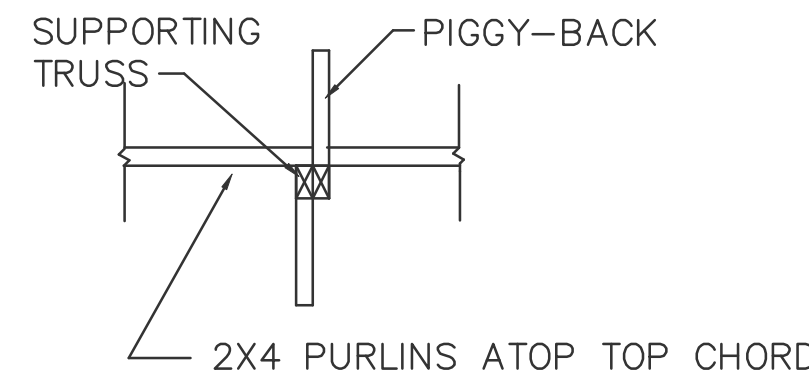
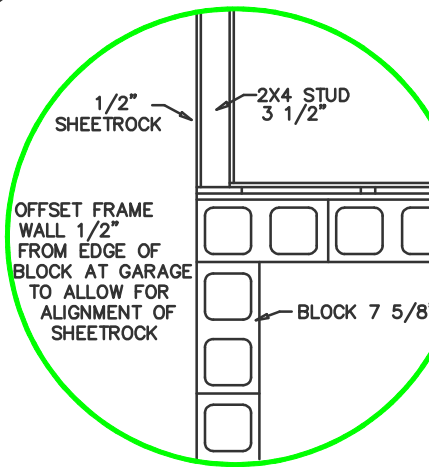
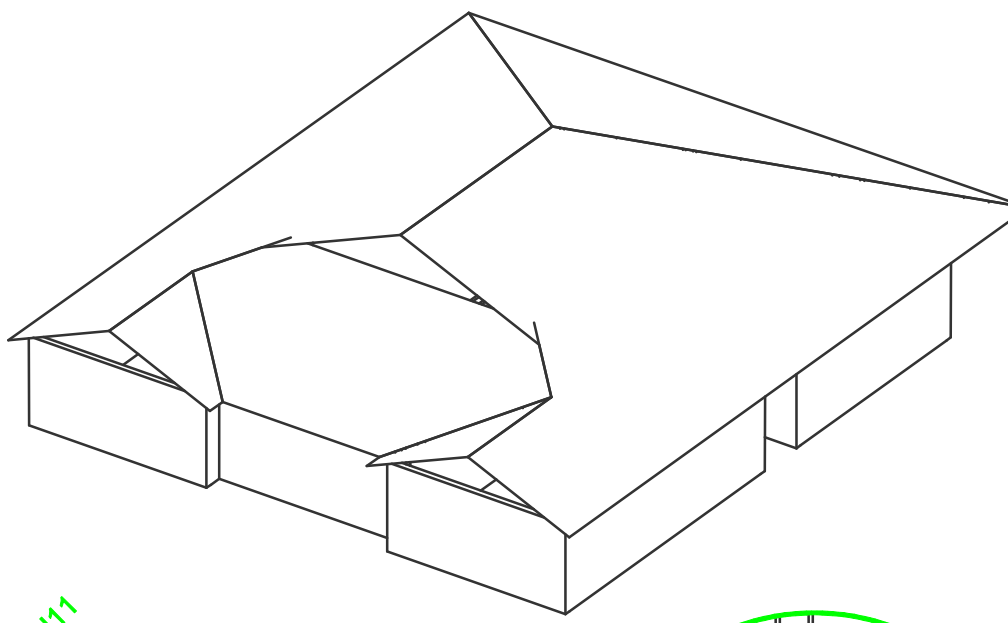
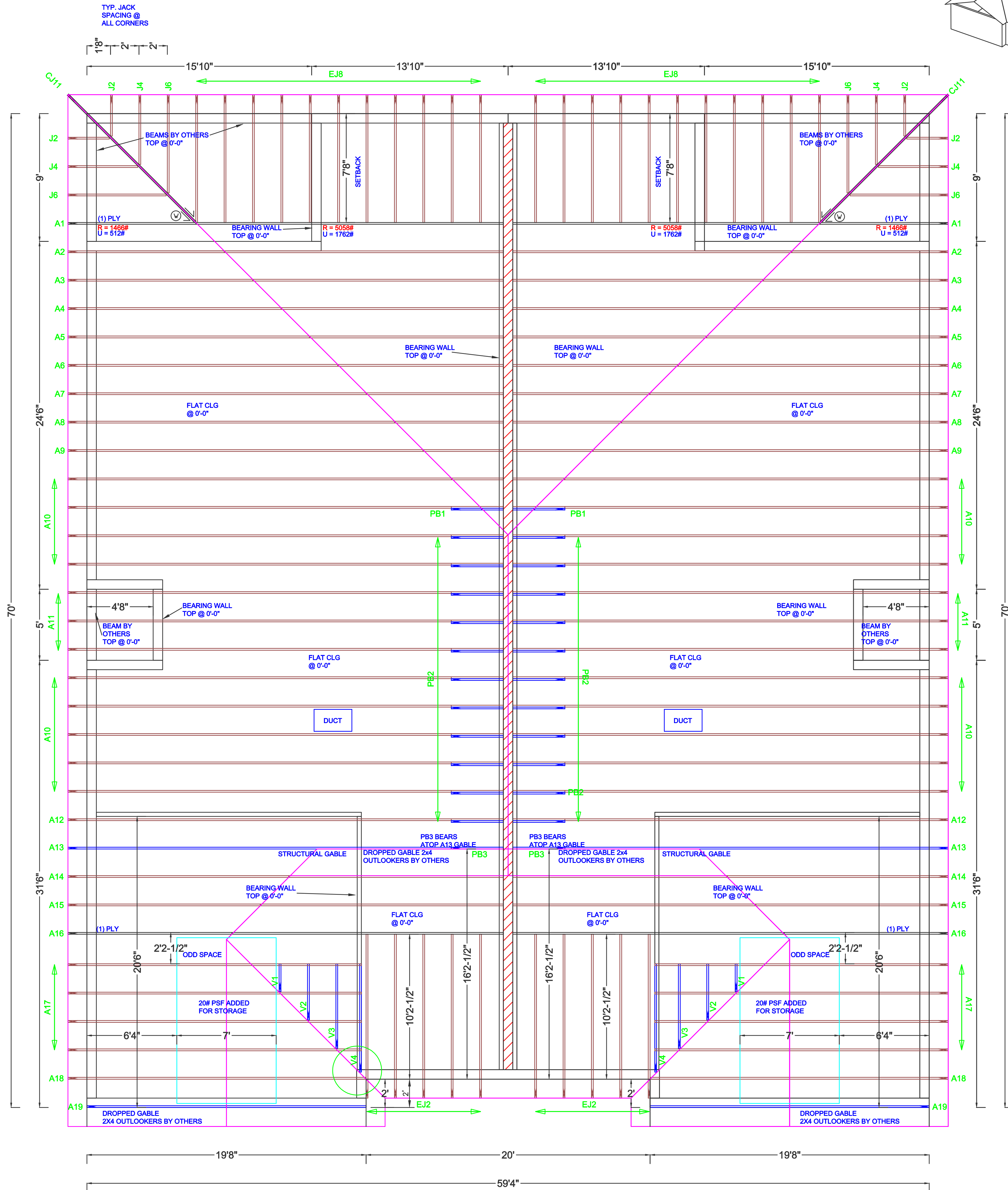
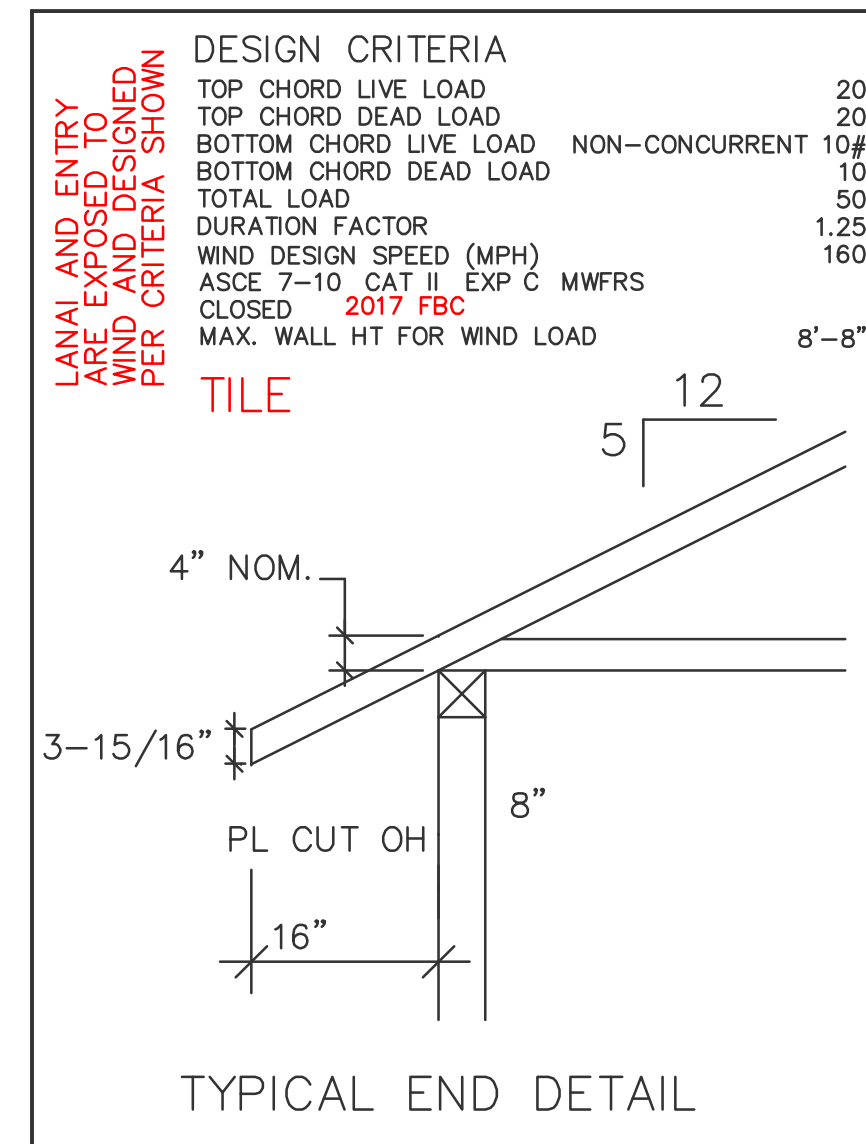
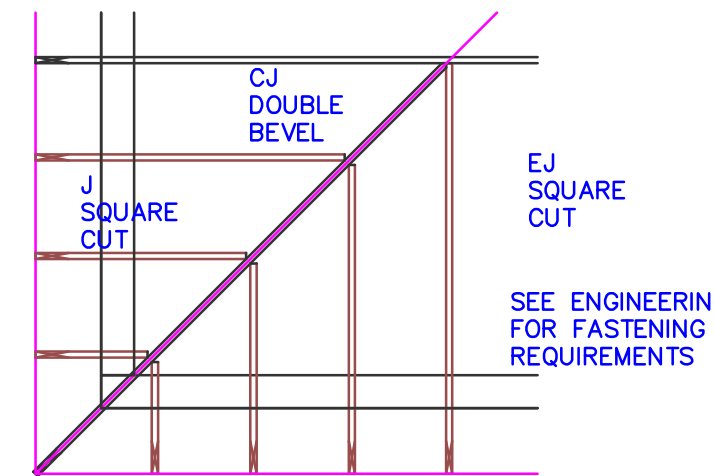




SEE SUPPORTING TRUSS & PIGGY-BACK
ENGINEERING FOR ADDITIONAL INFORMATION

SCAB PIGGY-BACK DETAIL

TYPICAL JACK CUTS



****UNLESS NOTED****
REACTION VALUES ARE UNDER 5000#
UPLIFT VALUES ARE UNDER 1000#

ALL TRUSSES 24"o.c. UNLESS NOTED OTHERWISE

*****CAUTION*****

DO NOT ATTEMPT TO ERECT TRUSSES WITH-
OUT REFERRING TO THE ENGINEERING DWGS.

IT IS NECESSARY TO REFER TO THE ENGINEERING
DRAWINGS FOR NUMBER OF MEMBERS, BEARING LOCATION,
ORIENTATION AND WEB BRACING

REFER TO WTCA/TPI BSCI-B1 SUMMARY
SHEET FOR HANDLING METHODS & TEMPORARY
BRACING, WHICH IS ALWAYS REQUIRED

BEARING HEIGHTS BASED ON PLANS PROVIDED TO SCOSTA
CORP. "+/-" BEARING DIFFERENCES SHOWN ARE CRITICAL.
IF ANY HEIGHTS DEViate - INFORM SCOSTA CORP.

BEARING WALL & BEAM HEIGHTS

8'-8" A.F.F.	0'-0"	ELEV.
RAKED BEAM		ELEV.
		ELEV.
		ELEV.
		ELEV.
		ELEV.
		ELEV.

DR HORTON HANGER SCHEDULE

(C) USP HUS 26	(M) USP THDH 28-3
(F) USP HUS 28	(N) USP THD 48
(H) USP THDH 28	(P) USP JUS 24
(I) USP THDH 28-2	(B) USP MSH 422
(W) USP HJC 26	(X)

HANGER VALUES HAVE BEEN BASED ON 16D
COMMON NAILS EXCEPT THE FOLLOWING
LUS24 - 10D COMMON THJA26 - 10D x 1-1/2

*****ATTENTION*****

APPROVAL OF THIS TRUSS LAYOUT IS NECESSARY
BEFORE FABRICATION CAN BEGIN. VERIFY DIMENSIONS,
PITCHES, OVERHANGS, ELEVATIONS, CEILING &
BEARING CONDITIONS. SCOSTA CORPORATION IS
RESPONSIBLE FOR ACCURACY IN ACCORDANCE WITH
PLANS AND/OR INFORMATION PROVIDED BY
CUSTOMER, WITH ANY DEVIATIONS NOTED HEREIN.
CUSTOMER IS RESPONSIBLE TO VERIFY ACCURACY OF
INFORMATION AND PLANS PROVIDED TO SCOSTA
CORPORATION, AND TO VERIFY CONFORMANCE TO
FIELD CONDITIONS, AND/OR OWNER CHANGES.
TRUSSES WILL BE BUILT IN ACCORDANCE WITH THE
APPROVED LAYOUT.

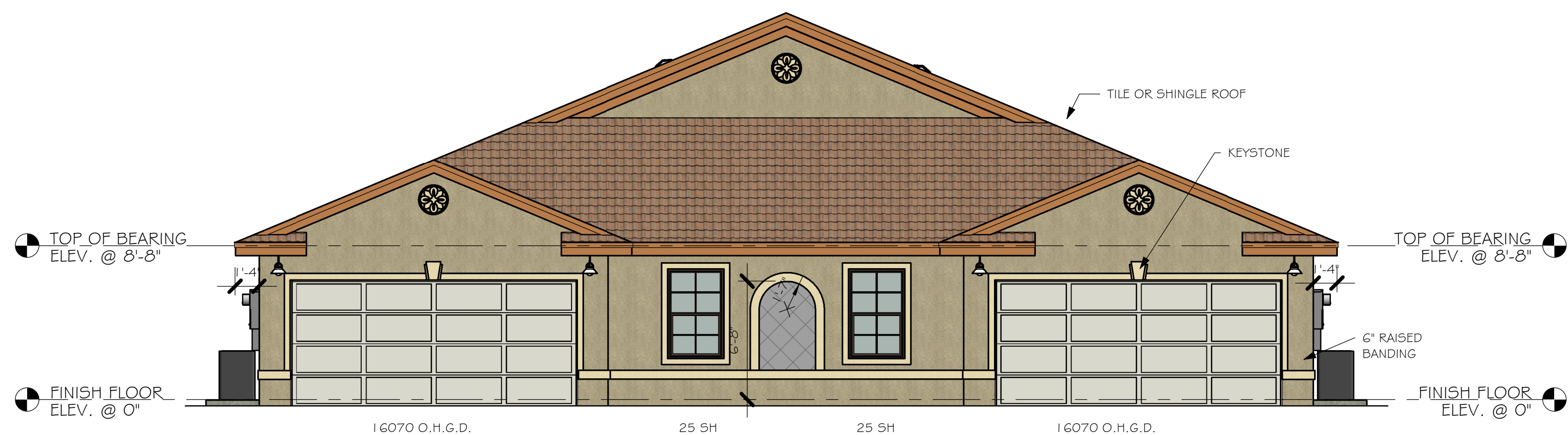
APPROVED BY: _____
DATE: _____ REQUESTED DELIVERY DATE: _____
JOBSITE CONTACT NAME: _____
PHONE #: _____
E-MAIL: _____

SCOSTA CORP.

WOOD, STEEL OR TIMBER
ROOF & FLOOR TRUSSES

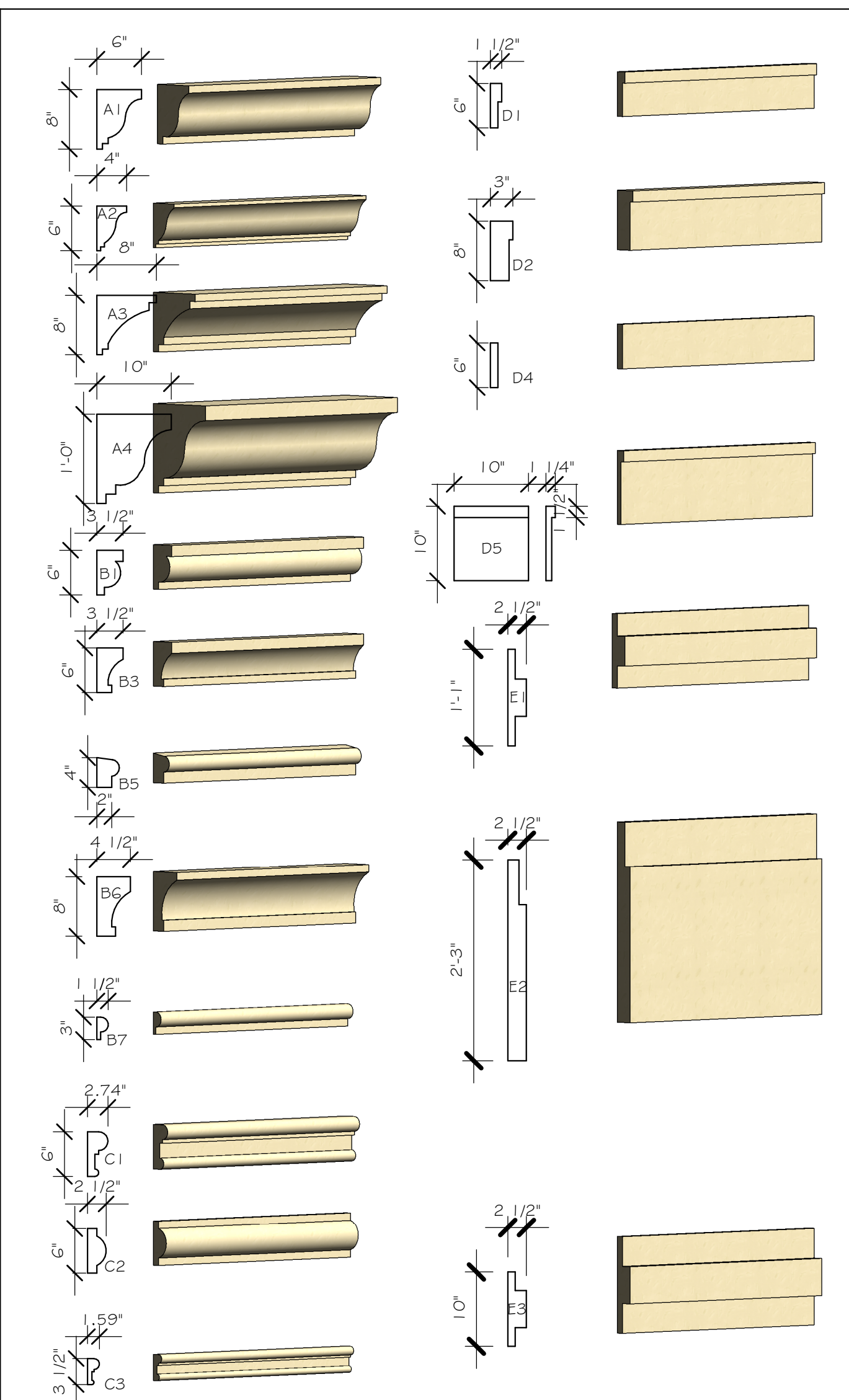
3670 COMMERCE CENTER DRIVE
SEBRING, FL 33870
(863) 385-8242

SCALE: 1/4"=1'-0"	DATE: 08/22/17	REVISED BY: KD 02/08/18	DRAWN BY: CD
JOB ADDRESS: 1498 TWIN VILLA			1 OF 1
CUSTOMER: EMERALD HOMES			JOB # 44060



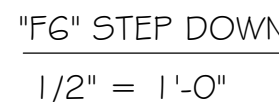
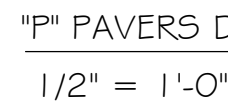
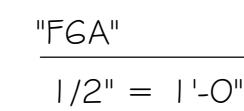
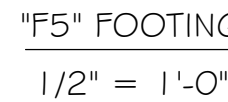
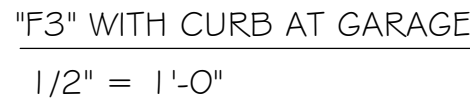
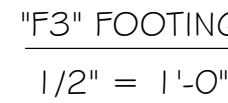
FRONT ELEVATION

3/16" = 1'-0"



BANDING DETAILS

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL
FLORIDA BUILDING CODE 2017 - 6TH EDITION



PAD FOOTING SCHEDULE

WALL FOOTING SCHEDULE

ADD CURB TO
GARAGE, SEE
DETAIL

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

PLAN NOTES:

1. TOP OF GROUND FLOOR SLAB DATUM ELEVATION 0'-0".
2. "FF" DENOTES CONTINUOUS WALL FOOTING TYPE PER SCHEDULE THIS SHEET.
3. "DES" PACE FOOTING AT CONCENTRATED LOADS PER SCHEDULE THIS SHEET.
4. PROVIDE #5 VERTICAL REINFORCING AT DOT LOCATIONS SHOWN ON PLAN FROM FOOTING TO BOND BEAM.
5. ALL DIMENSIONS ARE TO OUTSIDE FACE OF MASONRY WALLS. SOME SLAB EDGES MAY EXTEND BEYOND FACE OF WALL.
6. FOR DIMENSIONS OF ROUGH OPENINGS IN MASONRY WALLS, COORDINATE WITH WINDOW/DOOR SUPPLIER.
7. PROVIDE PRESSURE TREATED BUCKS AT WINDOWS/ DOORS PER DETAIL 7/S-1.



A/C COMPRESSOR SHALL
BE INSTALLED AT OR
ABOVE FLOOD ELEV.

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL
FLORIDA BUILDING CODE 2017 - 6TH EDITION

Z:\MASTER\2018 BUILDERS\2018 DR HORTON\SUBDIVISIONS\WATERFORD II TV\5\10145
LOT 248-249 1498 EREV\10145 1498 EREV

DOOR SCHEDULE							
TYPE MARK	DESCRIPTION	MANUFACTURER	HEIGHT	WIDTH	ZONE 4	ZONE 5	QTY

1	16070 OHGD	GARAGE DOOR	7'-0"	16'-0"	+28.2/-31.5	+28.2/-31.5	2
2	2-4080 SL. GL. DR.	DISTINCTION	8'-0"	8'-0"	+29.4/-33.3	+29.4/-33.3	2
3	3068 ENTRY	DISTINCTION	6'-8"	3'-0"	+33.5/-36.3	+33.5/-44.8	2

WIND PRESSURES PER ASCE7-10 160 MPH, EXPOSURE C AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. Vasd= 124 MPH
GARAGE DOOR ASSUMES 2' IN ZONE 5.

WINDOW SCHEDULE							
MARK	DESCRIPTION	MANUFACTURER	HEIGHT	WIDTH	ZONE 4	ZONE 5	QTY

A	25 SH	M.I.	5'-3"	3'-2"	+33.5/-36.3	+33.5/-44.8	4
B	2-25 SH	M.I.	5'-3"	6'-4"	+33.5/-36.3	+33.5/-44.8	4
C	36" X 12" TRANSOM	MI	1'-0"	3'-0"	+33.5/-36.3	+33.5/-44.8	2

WIND PRESSURES PER ASCE7-10 160 MPH, EXPOSURE C AND CONVERTED TO ALLOWABLE STRESS DESIGN PRESSURES USING 0.6W LOAD FACTOR. Vasd= 124 MPH

DOOR HEADERS		
6'-8" BI-FOLD	HEADER HEIGHT	82" A.F.F.
6'-8" SWING	HEADER HEIGHT	82 1/2" A.F.F.
8'-0" SWING	HEADER HEIGHT	98 1/2" A.F.F.

- PLAN NOTES
- VERIFY ALL ROUGH OPENING DIMENSIONS FOR ALL WINDOWS AND DOORS
 - PROVIDE SAFETY GLAZING WITHIN 24" FROM EXIT PER FLORIDA BUILDING CODE R 308.4.2.
 - PROVIDE SAFETY GLAZING AT BATH SHOWER PER FLORIDA BUILDING CODE R 308.4.5.
 - NON BEARING INTERIOR FRAME WALLS SHALL BE FRAMED W/ WOOD OR METAL STUDS. SPACING SHALL NOT EXCEED 24" O.C. (NON BEARING WALLS ONLY)
 - PROVIDE DEAD WOOD IN ATTIC FOR OVERHEAD GARAGE DOOR HARDWARE
 - KITCHEN KNEE WALL TO BE FRAMED W/ TOP @ 34 1/2" A.F.F.
 - INSTALL SMOOTH WALLS IN KITCHEN AND ALL BATHROOM AREAS
 - WHERE DRYWALL CEILING IS APPLIED TO TRUSSES @ 24" O.C. USE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5
 - THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THEN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR - CEILING ASSEMBLY, THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSOM BOARD OR EQUIVALENT
 - INSTALL 1 3/8" THICK SOLID WOOD DOOR BETWEEN LIVING AND GARAGE PER FLORIDA BUILDING CODE R302.1.5.
 - ALL WINDOWS INSTALLED 72" ABOVE GRADE MUST COMPLY WITH R6 I 2.2 MIN 24" SILL HEIGHT OR PROVIDED WITH AN APPROVED WINDOW FALL PREVENTION DEVICE
 - ALL CLOSET SHELVES TO BE 12". ALL PANTRY & LINEN TO BE (4)-16" SHELVES 18" O.F.F. W/ 15" INCREMENT.

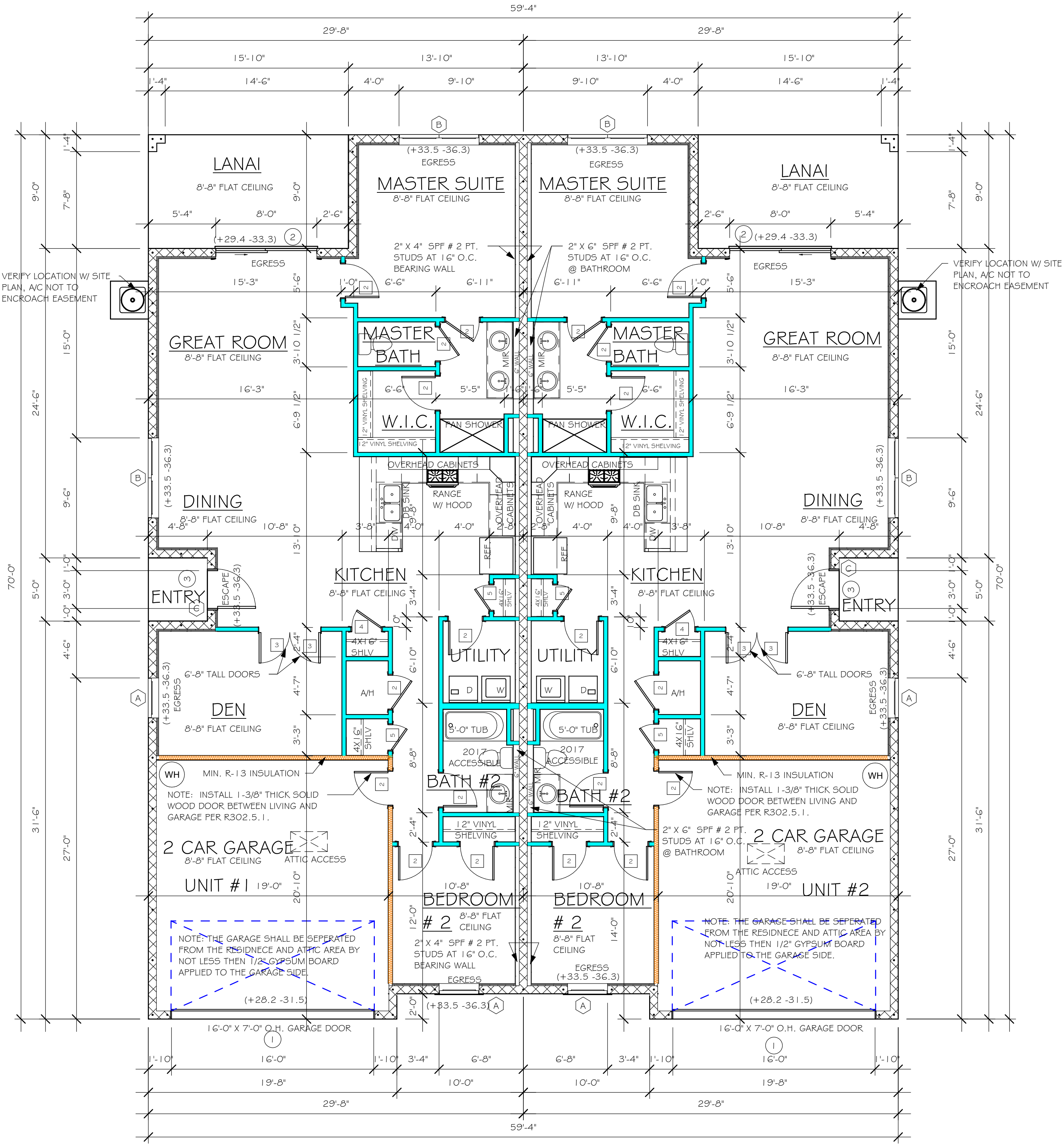
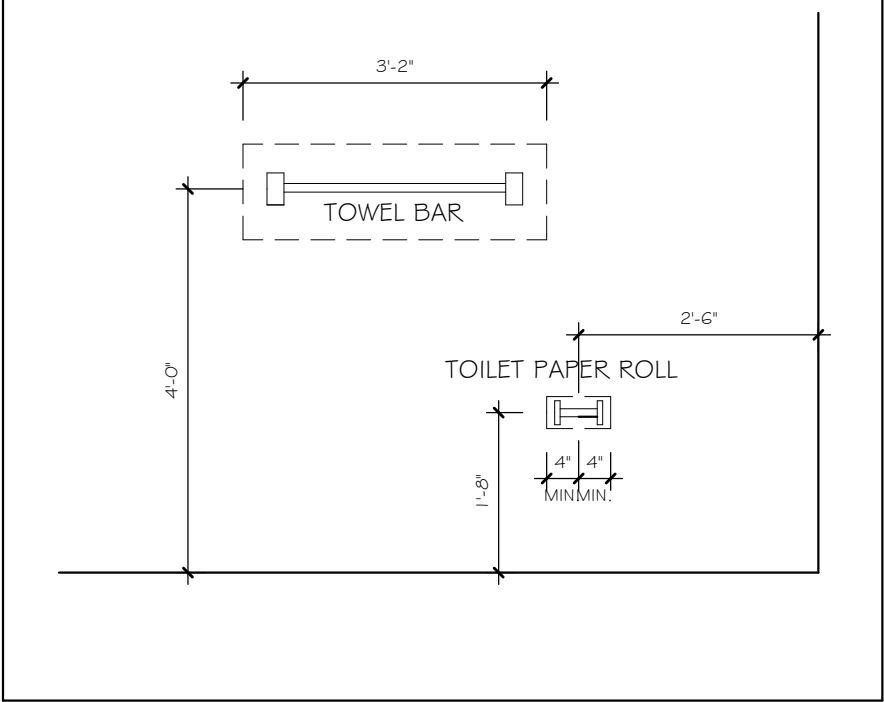
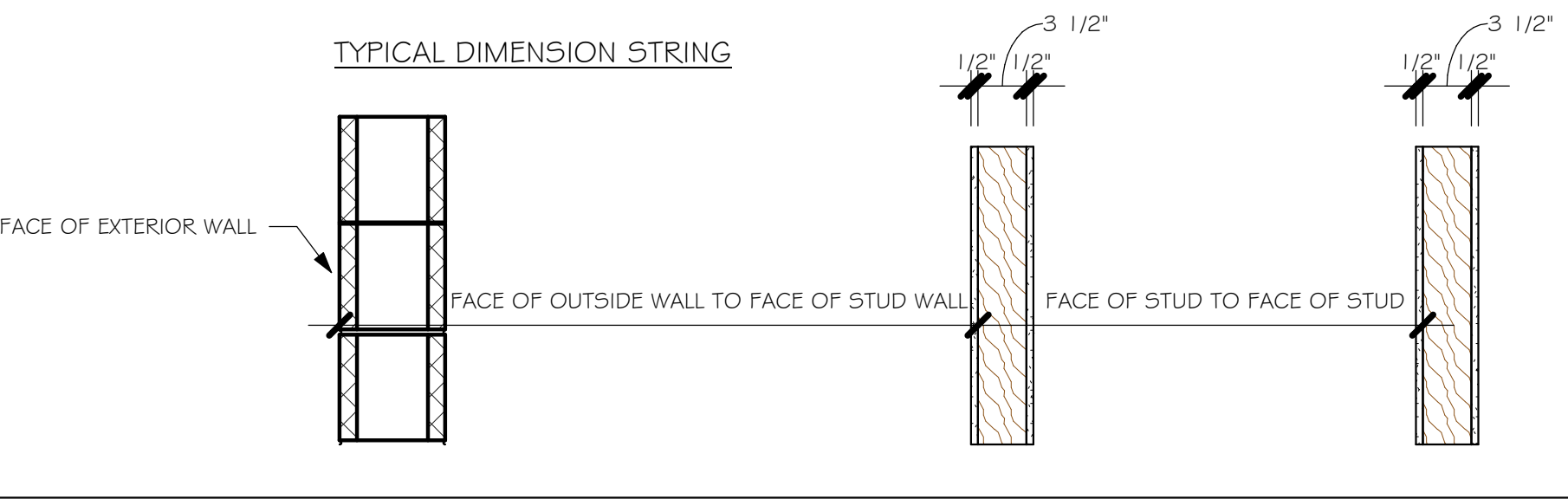
CABINET BACKING		
KITCHEN	UPPER TOP @ 84"	BASE TOP @ 35"
MASTER BATH	UPPER	BASE TOP @ 35"
GUEST BATH	UPPER	BASE TOP @ 31"
LAUNDRY ROOM	UPPER TOP @ 84"	BASE

INTERIOR DOOR SCHEDULE		
MARK	DOOR WIDTH	NOTES
1	3'-0"	P.K. = POCKET DOOR
2	2'-8"	B.F. = BI-FOLD DOOR
3	2'-6"	
4	2'-4"	B.P. = BI-PASS DOOR
5	2'-0"	L.V. = LOUVERED DOOR
6	1'-8"	
7	1'-6"	
8	2'-1 1/4"	

SQUARE FOOTAGE UNIT #1	
LIVING AREA	1,500
GARAGE AREA	391
LANAI AREA	143
FRONT PORCH/ ENTRY AREA	23
TOTAL SQUARE FOOTAGE	2,057

SQUARE FOOTAGE UNIT #2	
LIVING AREA	1,500
GARAGE AREA	391
LANAI AREA	143
FRONT PORCH/ ENTRY AREA	23
TOTAL SQUARE FOOTAGE	2,057

BATHROOM NOTES	
TB TOWEL BAR	ALL TUB DECKS @ 21" A.F.F
TP TOILET PAPER	ALL BLOCKING TO BE PT IN SHOWERS



FLOOR PLAN
3/16" = 1'-0"

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL FLORIDA BUILDING CODE 2017 - 6TH EDITION

NOTES:

1. PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE AND SUITABLE FOR THE GEOMETRY. EMBED STRAP ON -G/L OF WALL.
2. CONNECTORS ARE USP STRUCTURAL CONNECTORS. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ENGINEER OF RECORD.
3. WHERE EMBEDDED STRAPS ARE MISSING, OR MIS-LOCATED, INSTALL RETROFIT STRAP PER 1.05-1.
4. 'ATR' = ALTHREND. DRILL AND EPOXY WITH USP EPOXY PER MFR. INSTRUCTIONS.

REV2

1. ROOF TRUSS BEARING ELEVATION VARIES, SEE LEGEND.
2. ROOF FRAMING SHALL BE WOOD TRUSSES DESIGNED BY A DELEGATED TRUSS ENGINEER PER DESIGN CRITERIA ON SHEET 5-1.
3. PROVIDE STRAPPING AT TRUSSES PER NOTES ON THIS SHEET.
4. FOR NAILING OF ROOF DECK, SEE 1 AND 2 ON 5-1.
5. 8F8-1B ETC., DENOTES PRECAST UNTEL ABOVE DOOR OPENING PER SCHEDULE THIS SHEET.

AT TRUSS BEARING, PROVIDE 6x8 MASONRY BOND BEAM W/ 1 #5 CONTINUOUS, SEE DETAIL 11/5-1.

F.B.C. TABLE 722.3.2					
MINIMUM EQUIVALENT THICKNESS ¹ (IN) BEARING OR NON-BEARING CONCRETE MASONRY WALLS					
TYPE OF AGGREGATE	FIRE - RESISTANCE RATING (HOURS)				
	1	2	3	4	5
PUMICE OR EXPANDED SLAG		3.2			
EXPANDED SHALE, CLAY OR SLATE		3.6			
LIMESTONE, CINDERS, OR EXPANDED SLAG		4.0			

1. STANDARD 8" HOLLOW MASONRY HAS 4.0" EQUIVALENT SOLID THICKNESS. THEREFORE ANY OF THE LISTED AGGREGATES IS ALLOWED.

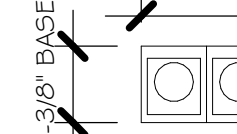
2. NOTE: CALCAREOUS OR SILICEOUS GRAVEL IS A 4TH TYPE WHICH IS NOT ALLOWED

TRUSS STRAPPING TO STUD WALL/ WOOD BEAM			
INSTALL AT ALL TRUSSES TO 1005 lb UPLIFT. FOR HIGHER UPLIFTS, SEE NOTES ON PLAN.	MAX TRUSSES UPLIFT @ 24" OC (LBS)	CONNECTOR	FASTENER
	1005	(1) MTW16	12-10dX1-1/2"
	2010	(2) MTW16	12-10dX1-1/2"
	3015	(3) MTW16	12-10dX1-1/2"
	1285	(1) HTW20	24-10dX1-1/2"
	2570	(2) HTW20	24-10dX1-1/2"
	3855	(3) HTW20	24-10dX1-1/2"
	5140	(4) HTW20	24-10dX1-1/2"

 = BEARING @ 8'-8"

TRUSS BEARING CONDITIONS AND STRAPPING
BASED ON TRUSS LAYOUT PREPARED BY
SCOSTA JOB# 44060 DATED: 08/22/17
REVISED: 02/08/18

COORDINATE VENTING REQUIREMENTS WITH ENERGY CALCULATIONS

AREAS (SQ. FT.)		SOFFIT ONLY (1/150) (NO ROOF VENTS)		WITH ROOF VENTS (1/300) (R.V.)	
		ATTIC VENTILATION REQUIRED (ATTIC AREA/150=14.55 SQ. FT.)		ATTIC VENTILATION REQUIRED (ATTIC AREA/300=7.28 SQ. FT.)	
MARK	ATTIC	SOFFIT	REQD AIR FLOW OF SOFFIT	QUAD 4 SOFFIT HAS	QUANTITY OF ROOF VENTS
(1)	2163.0 SQ. FT.	146.0 SQ. FT.	9.63%	6.15%	4
"SOFFIT ONLY" DOES NOT QUALIFY				ROOF VENTS ARE REQUIRED	
		SOFFIT MODEL		ROOF VENT MODEL	
		ACM QUAD 4, FULL VENT, NARROW PATTERN, 8.15% FREE AIR FLOW		 32" BASE 22.3/8" BASE LOMANGO 770-D 0.97 SQ. FT. FREE AIR	

Design No. U30

1. Nailheads - Exposed or covered with joint finisher.

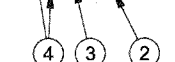
2. Joints - Exposed or covered with fiber tape and joint finisher. As an alternate, normal 302-in. thick gypsum venter plaster may be applied to the entire surface of the ceiling.

3. Nails - 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam, 1/4 in. diam heads, and 8d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam heads.

4. Gypsum Board - 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with the 1-7/8 in. nails spaced 6" o.c. Outer layer attached to studs with the 1-7/8 in. nails spaced 6" o.c. and 1/4 in. joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.

Steel used in ceiling construction shall be installed horizontally.

When Steel Framing Members (Item 6) are used, base joists shall be attached to furring channels with 1 in. long Type 3 S-ugle-head steel screws spaced max. 24 in. o.c.; face layer attached with 1-5/8 in. long Type 3 S-ugle-head steel screws spaced max. 12 in. o.c.



The diagram illustrates a cross-section of a wall assembly with a firestop. The wall consists of two vertical sections separated by a horizontal joint. The firestop is installed in the joint, with a 16" O.C. (On-Center) spacing indicated for the firestop components. The firestop is labeled "2x4s's FIRESTOPPED". The wall sections are labeled with circled numbers 1, 2, 3, and 4, indicating the sequence of components from the exterior to the interior. The top of the wall is labeled "Bearing Wall Rating 2 HR." and the bottom is labeled "Finish Rating 66 Min.".

AMERICAN GYPSUM CO. – Types AG-C, AGX-11, AGX-C,
BEILING NEW BUILDING MATERIALS CO. – Type DBX-1.
CEMENT GYPSUM BOARD – Types 1, PFCB, EGFB, ProSpec Type C or
 ProSpec Type X
CERTAINTED GYPSUM CANADA, INC. – ProSpec Type C, ProSpec Type X,
 ProSpec Type X-IB, ProSpec Type X-IB-1
CANADIAN GYPSUM COMPANY – Types A-C, I-P, AR, I-P-X, I-P-X2, I-P-C, AR-
 C, I-P-C, I-P-C2, I-P-C2X
G-P GYPSUM CORP., SUB OF
GORGEE-PACIFIC CORP. – Types 5, 9, C, DAP, DD, DA, DGG, DS, DPFSS,
LAFARGE NORTH AMERICA INC. – Types 5, 9, GFCO, L-GPCC2, L-GPCC3, L-GPCC4,
 L-GPCC4, L-GFCO-CA
NATIONAL GYPSUM CO. – Types FSK-FCB, FSK-G, FSK-F, FSW, FSW3, F-
 SW, F-SC
PABCO GYPSUM, DIV OF
PACIFIC BUILDING PRODUCTS INC. – Types C, PG-2, PG-3, PG-3W,
 PG-4, PG-5, PG-5W, PG-5Q, PG-6 or PG-C
TEMPLE-INLAND GROUP INC. – Types C, C-2
THE GYPSUM INDUSTRIES COMPANY – Types T-1, T-2, T-3, T-4, T-5, T-6, T-7, T-8,
STANDARD GYPSUM L. L. C. – Types SGC, SG-F or SGC-G
UNITED STATES GYPSUM CO. – Types C, C-2, C-3, I-P, AR, I-P-X, I-P-X2,
 I-P-C, SCX, IVC, IVC-2, IVC-3, IVC-4, IVC-5, IVC-6, IVC-7, IVC-8, IVC-9, IVC-10,
 USG MEXICO S A DE CV – Types 4R, C-1, C-2, I-P, I-P-X1, I-P-X2, I-P-C, SCX, SH,
 SHK, SHK-2, SHK-3, SHK-4, SHK-5, SHK-6, SHK-7, SHK-8, SHK-9, SHK-10, SHK-11, SHK-12, SHK-13, SHK-14, SHK-15, SHK-16, SHK-17, SHK-18, SHK-19, SHK-20, SHK-21, SHK-22, SHK-23, SHK-24, SHK-25, SHK-26, SHK-27, SHK-28, SHK-29, SHK-30, SHK-31, SHK-32, SHK-33, SHK-34, SHK-35, SHK-36, SHK-37, SHK-38, SHK-39, SHK-40, SHK-41, SHK-42, SHK-43, SHK-44, SHK-45, SHK-46, SHK-47, SHK-48, SHK-49, SHK-50, SHK-51, SHK-52, SHK-53, SHK-54, SHK-55, SHK-56, SHK-57, SHK-58, SHK-59, SHK-60, SHK-61, SHK-62, SHK-63, SHK-64, SHK-65, SHK-66, SHK-67, SHK-68, SHK-69, SHK-70, SHK-71, SHK-72, SHK-73, SHK-74, SHK-75, SHK-76, SHK-77, SHK-78, SHK-79, SHK-80, SHK-81, SHK-82, SHK-83, SHK-84, SHK-85, SHK-86, SHK-87, SHK-88, SHK-89, SHK-90, SHK-91, SHK-92, SHK-93, SHK-94, SHK-95, SHK-96, SHK-97, SHK-98, SHK-99, SHK-100, SHK-101, SHK-102, SHK-103, SHK-104, SHK-105, SHK-106, SHK-107, SHK-108, SHK-109, SHK-110, SHK-111, SHK-112, SHK-113, SHK-114, SHK-115, SHK-116, SHK-117, SHK-118, SHK-119, SHK-120, SHK-121, SHK-122, SHK-123, SHK-124, SHK-125, SHK-126, SHK-127, SHK-128, SHK-129, SHK-130, SHK-131, SHK-132, SHK-133, SHK-134, SHK-135, SHK-136, SHK-137, SHK-138, SHK-139, SHK-140, SHK-141, SHK-142, SHK-143, SHK-144, SHK-145, SHK-146, SHK-147, SHK-148, SHK-149, SHK-150, SHK-151, SHK-152, SHK-153, SHK-154, SHK-155, SHK-156, SHK-157, SHK-158, SHK-159, SHK-160, SHK-161, SHK-162, SHK-163, SHK-164, SHK-165, SHK-166, SHK-167, SHK-168, SHK-169, SHK-170, SHK-171, SHK-172, SHK-173, SHK-174, SHK-175, SHK-176, SHK-177, SHK-178, SHK-179, SHK-180, SHK-181, SHK-182, SHK-183, SHK-184, SHK-185, SHK-186, SHK-187, SHK-188, SHK-189, SHK-190, SHK-191, SHK-192, SHK-193, SHK-194, SHK-195, SHK-196, SHK-197, SHK-198, SHK-199, SHK-200, SHK-201, SHK-202, SHK-203, SHK-204, SHK-205, SHK-206, SHK-207, SHK-208, SHK-209, SHK-210, SHK-211, SHK-212, SHK-213, SHK-214, SHK-215, SHK-216, SHK-217, SHK-218, SHK-219, SHK-220, SHK-221, SHK-222, SHK-223, SHK-224, SHK-225, SHK-226, SHK-227, SHK-228, SHK-229, SHK-230, SHK-231, SHK-232, SHK-233, SHK-234, SHK-235, SHK-236, SHK-237, SHK-238, SHK-239, SHK-240, SHK-241, SHK-242, SHK-243, SHK-244, SHK-245, SHK-246, SHK-247, SHK-248, SHK-249, SHK-250, SHK-251, SHK-252, SHK-253, SHK-254, SHK-255, SHK-256, SHK-257, SHK-258, SHK-259, SHK-260, SHK-261, SHK-262, SHK-263, SHK-264, SHK-265, SHK-266, SHK-267, SHK-268, SHK-269, SHK-270, SHK-271, SHK-272, SHK-273, SHK-274, SHK-275, SHK-276, SHK-277, SHK-278, SHK-279, SHK-280, SHK-281, SHK-282, SHK-283, SHK-284, SHK-285, SHK-286, SHK-287, SHK-288, SHK-289, SHK-290, SHK-291, SHK-292, SHK-293, SHK-294, SHK-295, SHK-296, SHK-297, SHK-298, SHK-299, SHK-300, SHK-301, SHK-302, SHK-303, SHK-304, SHK-305, SHK-306, SHK-307, SHK-308, SHK-309, SHK-310, SHK-311, SHK-312, SHK-313, SHK-314, SHK-315, SHK-316, SHK-317, SHK-318, SHK-319, SHK-320, SHK-321, SHK-322, SHK-323, SHK-324, SHK-325, SHK-326, SHK-327, SHK-328, SHK-329, SHK-330, SHK-331, SHK-332, SHK-333, SHK-334, SHK-335, SHK-336, SHK-337, SHK-338, SHK-339, SHK-340, SHK-341, SHK-342, SHK-343, SHK-344, SHK-345, SHK-346, SHK-347, SHK-348, SHK-349, SHK-350, SHK-351, SHK-352, SHK-353, SHK-354, SHK-355, SHK-356, SHK-357, SHK-358, SHK-359, SHK-360, SHK-361, SHK-362, SHK-363, SHK-364, SHK-365, SHK-366, SHK-367, SHK-368, SHK-369, SHK-370, SHK-371, SHK-372, SHK-373, SHK-374, SHK-375, SHK-376, SHK-377, SHK-378, SHK-379, SHK-380, SHK-381, SHK-382, SHK-383, SHK-384, SHK-385, SHK-386, SHK-387, SHK-388, SHK-389, SHK-390, SHK-391, SHK-392, SHK-393, SHK-394, SHK-395, SHK-396, SHK-397, SHK-398, SHK-399, SHK-400, SHK-401, SHK-402, SHK-403, SHK-404, SHK-405, SHK-406, SHK-407, SHK-408, SHK-409, SHK-410, SHK-411, SHK-412, SHK-413, SHK-414, SHK-415, SHK-416, SHK-417, SHK-418, SHK-419, SHK-420, SHK-421, SHK-422, SHK-423, SHK-424, SHK-425, SHK-426, SHK-427, SHK-428, SHK-429, SHK-430, SHK-431, SHK-432, SHK-433, SHK-434, SHK-435, SHK-436, SHK-437, SHK-438, SHK-439, SHK-440, SHK-441, SHK-442, SHK-443, SHK-444, SHK-445, SHK-446, SHK-447, SHK-448, SHK-449, SHK-450, SHK-451, SHK-452, SHK-453, SHK-454, SHK-455, SHK-456, SHK-457, SHK-458, SHK-459, SHK-460, SHK-461, SHK-462, SHK-463, SHK-464, SHK-465, SHK-466, SHK-467, SHK-468, SHK-469, SHK-470, SHK-471, SHK-472, SHK-473, SHK-474, SHK-475, SHK-476, SHK-477, SHK-478, SHK-479, SHK-480, SHK-481, SHK-482, SHK-483, SHK-484, SHK-485, SHK-486, SHK-487, SHK-488, SHK-489, SHK-490, SHK-491, SHK-492, SHK-493, SHK-494, SHK-495, SHK-496, SHK-497, SHK-498, SHK-499, SHK-500, SH

ASSOCIATED MATERIALS INC.
ALBANY, DIV OF
GENTEX BUILDING PRODUCTS LTD
HEARTLAND BUILDING PRODUCTS INC
VYTEC CORP.
NEBRASKA PLASTICS INC.

6. Steel Framing Members - (Optional, Not shown) - Furring channels and resilient sound isolation clips are described below:

A. Furring Channels - Formed of 10.25 MSWG galv. steel, 3-8 inch wide by 7/8 inch deep, spaced 24 in. on center perpendicular to studs. Channels are overlapped 6 in. as described in Item 8. Ends of adjoining channels are separated 5 in. and tied together with double strand of no. 10 MSWG galv. steel wire near each end of overlap. The alternate overlapping channels may be overlapped 8 in. and tied together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Wire is attached to the underside of the channel flange.

B. Steel Framing Members - Resilient sound isolation clip used to attach furring channels (Item 6A) to studs. Clips spaced 49 in. on c. and secured to studs with 1/2 in. dia. coarse thread screws. Screws follow the center groove. Furring channels are fitted into clips.

PAC INTERNATIONAL INC - Type RSIC-1

*Bearing the UL Classification Mark

WHERE ROOF SHEATHING CONTACTS ONLY THE EDGE OF ROOF TRUSSES, INSTALL BEVELLED BLOCKING PER DETAIL THIS SHEET (DR HORTON COMPANY REQUIREMENT)

SEE DETAIL 9/5-1 WHEN
AT LANAI/ENTRY INTERSE
MAIN WALL, TYPICAL

1-HTA16-18 —
TYPICAL

8" X 8" CONTINUOUS
MASONRY BOND
BEAM AT TOP OF
WALL WITH 1 #5 BARS

SEE DETAIL 9/5-1 WHERE
LINTEL AT LANA/ENTRY
INTERSECTS MAIN WALL,
TYPICAL

STUD BEARING WALLS, 2X4 SPF @
16" O.C., BLOCKING AT MID HEIGHT. SPH4 TOP & BOTTOM @
16" O.C. PT SILL PLATE W/ 1/2" X 6"
EXPANSION BOLTS @ 32" O.C. W/
2" WASHER

CORNER BARS IN _____
BOND BEAM PER 8/5-1

HTA 16-18 @ 32" O.C.
@ INSIDE FACE OF
GABLE

THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ATTIC BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED WITH NOT LESS THAN 5/8" TYPE "X" GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPERATION IS A FLOOR-CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPERATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT

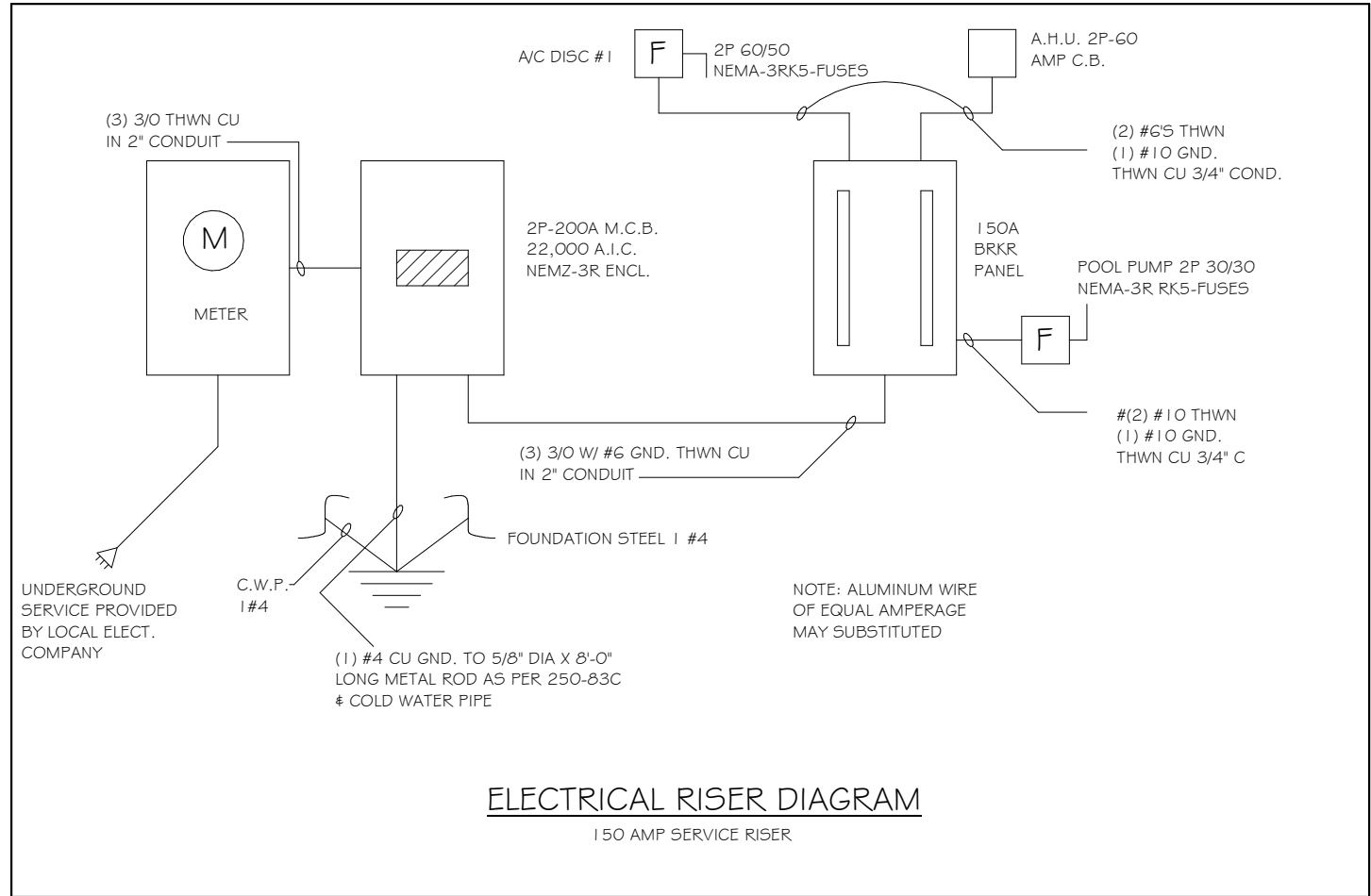
F PLAN

$$3/16'' = 1'-0''$$

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL
FLORIDA BUILDING CODE 2017 - 6TH EDITION

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LOT 248-249 1498 ELEV\10145 1498 ELEV

ELECTRICAL LEGEND	
	ELECTRICAL METER
	ELECTRICAL PANEL
	120 V JUNCTION BOX
	SINGLE RECEPTACLE OUTLET
	220 V RECEPTACLE OUTLET
	4-PLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	1/2 SWITCHED DUPLEX OUTLET
	DUPLEX RECEPTACLE AT ELEV. A.F.F.
	DUPLEX RECEPTACLE - ABOVE COUNTER
	SINGLE POLE SWITCH
	3 WAY SWITCH
	DIMMER SWITCH
	MOTION SENSOR SWITCH
	AC/DC SMOKE DETECTOR TO BE INTERCONNECTED ANY RESIDENT HAVING A FOSSIL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PERPOSES, PER RULE 9B-3.04.72 SD (SMOKE DETECTOR) SCD (CARBON MONOXIDE/ SMOKE DETECTOR)
	TELEPHONE OUTLET
	TELEVISION RECEPTION OUTLET
	SURFACE MOUNTED CEILING LIGHT
	RECESSED LIGHT
	WALL MTD. BRACKET LIGHT
	DUPLEX FLOOD LIGHT
	EXHAUST FAN
	TRACK MTD. LIGHTS
	A/C DISCONNECT
	PUSH BUTTON (PB) / DOOR BELL (DB)
	INTERCOM
	KEYPAD
	4' FLUORESCENT LIGHT
	2' UNDER COUNTER LIGHT
NOTE: NOT ALL SYMBOLS ARE USED FOR THIS PROJECT.	
ELECTRICAL NOTES: ARC-FAULT CIRCUIT-INTERRUPTERS AND TAMPER RESISTANT RECEPTACLES SHALL BE INSTALLED IN DWELLING UNITS PER N.E.C 210.12 AND 406.11	
ALL ELECTRICAL EQUIPMENT TO BE SET AT OR ABOVE BASE FLOOD ELEVATION.	
ALL OUTLETS IN WET AREAS AND ALL EXTERIOR OUTLETS TO BE GFI'S.	
INSTALL PHONE AND T.V. PER CONTRACT.	
INSTALL ALL ELECTRICAL PER NEC 2014	



AIR CONDITIONING COORDINATION REQUIRED.
PRIOR TO ORDERING ROOF TRUSSES, THE CONTRACTOR SHALL WORK WITH THE AIR CONDITIONING SUB CONTRACTOR TO DESIGN/PLAN AND LAYOUT THE LOCATION OF AIR HANDLING EQUIPMENT, AIR DUCT SIZE AND LOCATION AND COORDINATE THAT DESIGN WITH THE TRUSSES FOR SPACE, CONNECTIVITY, AND POSITION REQUIREMENTS. THE CONTRACTOR MUST ADVISE THE TRUSS COMPANY PRIOR TO ANY CONSTRUCTION OF TRUSSES OF THE AIR CONDITIONING/HANDLING EQUIPMENT'S SIZES AND WEIGHT AND DUCT LAYOUT CONCERNS OR REQUIREMENTS THAT MAY HAVE THE POTENTIAL TO CHANGE OR MODIFY THE TRUSSES TO ACCOMMODATE THE SAME. THE CONTRACTOR SHALL COORDINATE CONDENSATION DISCHARGE LINE LOCATION, AND ELECTRICAL SERVICE TO AIR EQUIPMENT, AND PROVIDE ANY LOCAL DISCONNECTS, LIGHTS AND SERVICE PLATFORMS THAT MAY BE REQUIRED.

ELECTRICAL NOTES FOR FIRE RATED WALLS

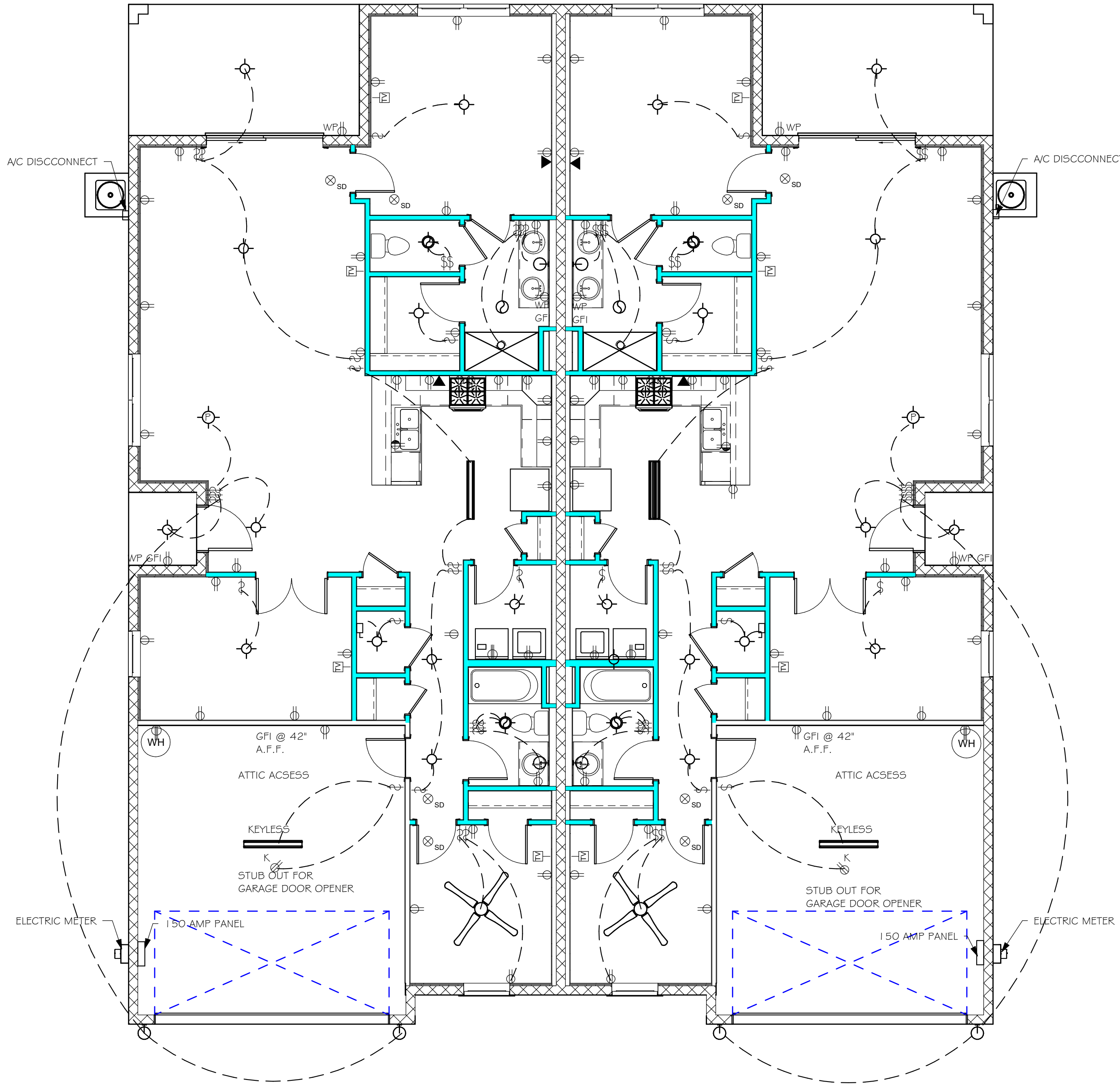
ELECTRICAL OUTLETS PLACED IN FIRE RATED WALLS SHALL BE IN CONFORMANCE WITH THE UNDERWRITERS LABORATORIES, INC., FIRE RESISTANCE DIRECTORY, CURRENT EDITION, THESE REQUIREMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING SPECIFIC ITEMS:

A) INDIVIDUAL OUTLET/SWITCH BOXES SHALL NOT EXCEED (16) SQUARE INCHES IN AREA.

B) AGGREGATE AREA OF OUTLET/SWITCH BOXES SHALL NOT EXCEED (100) SQUARE INCHES WITHIN (100) SQUARE FEET OF WALL AREA.

C) OUTLET/SWITCH BOXES LOCATED ON OPPOSITE SIDE OF THE SAME WALL SHALL BE SEPERATED BY A MINIMUM OF (24) INCHES.

D) ALL OUTLET/SWITCH BOXES SHALL BE SECURELY ATTACHED TO THE STUDS AND THE OPENING IN THE WALL BOARD FACING SHALL BE CUT SO THAT THE CLEARANCE BETWEEN THE BOX AND THE WALLBOARD DOES NOT EXCEED 1/8 INCH.



ELECTRICAL PLAN

3/16" = 1'-0"

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL
FLORIDA BUILDING CODE 2017 - 6TH EDITION

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LOT 248-249 1498 EREV\10145 1498 E.rvt

1

GENERAL SPECIFICATIONS

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL SUPPLY, LOCATE AND BUILD INTO THE WORK ALL INSERTS, ANCHORS, ANGLES, PLATES, OPENINGS, SLEEVES, HANGERS, SLAB DEPRESSIONS AND FITCHES AS MAY BE REQUIRED TO ATTACH AND ACCOMMODATE OTHER WORK.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
- SUBSURFACE SOIL CONDITION INFORMATION IS NOT AVAILABLE. FOUNDATIONS ARE DESIGNED FOR A SOIL BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATION AND HOUSE PLANS, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- ALL SPECIFIED FASTENERS MAY ONLY BE SUBSTITUTED IF APPROVED BY THE ENGINEER IN WRITING. THE INSTALLATION OF THE FASTENERS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. USP FASTENERS SPECIFIED MAY BE SUBSTITUTED WITH THE SAME QUANTITY AND EQUIVALENT STRENGTH PRODUCT.
- TREATED WOOD REQUIREMENTS:-
ALL WOOD EXPOSED TO WEATHER SHALL BE PROTECTED, PRESSURE TREATED, OR NATURALLY RESISTANT TO DECAY.
ALL WOOD TOUCHING MASONRY OR CONCRETE SHALL BE ISOLATED, OR PRESSURE TREATED.
- THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, OR TIE DOWNS.
- CEILING DRYWALL INSTALLED WITHIN THE HOUSE TO TRUSSES SPACED 24" O.C. SHALL BE 5/8" DRYWALL OR 1/2" SAG RESISTANT PER SEC. 702.3.5
- LANAI CEILINGS & COVERED ENTRY CEILINGS
1X4 STRIPPING @ 16" O.C. FASTENED WITH 2-8d NAILS TO EACH TRUSS. 5/8" EXTERIOR GYP. BOARD CEILING FASTENED WITH 8d NAILS OR 1-5/8" DRYWALL SCREWS @ 6" O.C. EDGE AND FIELD.

2

GENERAL ROOF ASSEMBLY

ROOF SHEATHING
SHALL BE APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. INSTALL PANELS WITH LONG DIMENSION PLACED PERPENDICULAR TO TRUSSES. A 1/8" SPACE BETWEEN ADJACENT SHEETS SHALL BE MAINTAINED. INSTALL "H" CLIPS AT UNSUPPORTED PANEL EDGES. THE ROOF SHEATHING SHALL BE NAILED WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND 6" O.C. FIELD. ENSURE THAT ALL NAILS PENETRATE THE TOP CHORD OF THE TRUSSES WITHOUT SPLITTING. RING SHANK NAILS PER R803.2.3.1 - 0.113" NOMINAL SHANK DIAMETER, RING DIAMETER OF 0.012" OVER SHANK DIAMETER, 16 TO 20 RINGS PER INCH, 0.280" DIAMETER FULL ROUND HEAD, 2" NAIL LENGTH.

FLASHING
FLASHING SHALL BE ALUMINUM, ALUMINUM ZINC COATED STEEL 0.0179" THICK, 26 GAUGE, A750 ALUM ZINC, OR GALVANIZED STEEL 0.0179" THICK, 26 GAUGE, ZINC COATED G90. FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE ZIP SYSTEM ROOF SHEATHING MANUFACTURER'S PUBLISHED REQUIREMENTS. ALL FLASHING AND INSTALLATION SHALL CONFORM TO SECTION R905.2.8 (1 TO 5).

DRIP EDGE
DRIP EDGE SHALL BE PROVIDED AT ALL EAVES AND GABLES OF SHINGLES ROOFS, LAPPED A MINIMUM OF 3" @ JOINTS. THE OUTSIDE EDGE SHALL EXTEND A MINIMUM OF 1/2" BELOW SHEATHING AND THE INSIDE EDGE SHALL EXTEND BACK A MINIMUM OF 2". DRIP EDGE SHALL BE FASTENED AT NO MORE THAN 4" CENTERS. THERE SHALL BE A MINIMUM OF 4" WIDTH OF ROOF CEMENT INSTALLED OVER THE DRIP EDGE FLANGE.

3

ASPHALT SHINGLE ROOF SPEC'S

SHINGLES
15# FELT SHALL BE INSTALLED UNDER ASPHALT SHINGLES. ALL ASPHALT SHINGLES SHALL HAVE SLD-SEALING STRIPS OR BE INTERLOCKING AND COMPLY WITH ASTM D 225 OR D 3462, AND SHALL BE SECURED TO THE ROOF WITH NO LESS THAN 6 FASTENERS PER SHINGLE STRIP, OR A MINIMUM OF 2 FASTENERS PER SHINGLE TAB, AND SHALL IN NO CASE BE FASTENED WITH LESS FASTENERS THAN THAT REQUIRED BY THE MANUFACTURE. INSTALLATION SHALL COMPLY WITH MANUFACTURER'S REQUIREMENTS FOR INSTALLATION IN THE GIVEN FLORIDA WIND ZONE, AS DETERMINED BY ASTM D 3161.

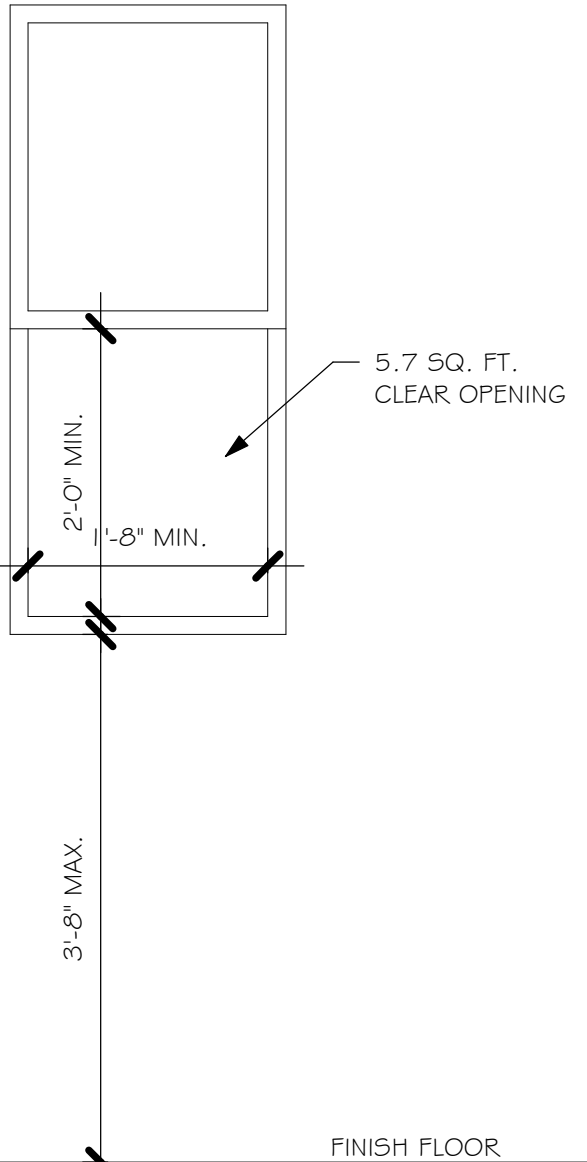
FASTENERS
FASTENERS FOR ASPHALT SHINGLES SHALL COMPLY WITH ASTM F 1667, AND SHALL BE MADE WITH GALVANIZED STEEL, STAINLESS STEEL OR ALUMINUM WITH A MINIMUM SHANK SIZE OF 12 GAUGE (0.105") WITH A MINIMUM 3/8" DIAMETER HEAD SHANK AND SHALL BE A LENGTH TO PENETRATE THE SHEATHING

THE NAIL COMPONENT OF PLASTIC CAP NAILS SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM A 641, CLASS 1, OR EQUAL, AND SHALL BE CORROSION RESISTANT BY ELECTRO GALVANIZATION, MECHANICAL GALVANIZATION, HOT DIPPED GALVANIZATION OR SHALL BE MADE OF STAINLESS STEEL, NON-FERROUS METAL

4

CLAY AND CONCRETE ROOF TILE SPEC'S

INSTALL PEEL AND STICK UNDERLAYMENT APPROVED FOR SINGLE LAYER APPLICATION UNDER TILE ROOF.
THE INSTALLATION OF CLAY AND CONCRETE TILE SHALL COMPLY WITH THE PROVISIONS OF R905.3 F.B.C.
MARKING: EACH ROOF TILE SHALL HAVE A PERMANENT MANUFACTURER'S IDENTIFICATION MARK.
APPLICATION SPECIFICATIONS: THE TILE MANUFACTURER'S WRITTEN APPLICATION SPECIFICATIONS SHALL BE AVAILABLE AND SHALL INCLUDED BUT NOT BE LIMITED TO THE FOLLOWING:
1. TILE PLACEMENT AND SPACING,
2. ATTACHMENT SYSTEM NECESSARY TO COMPLY WITH CURRENT WIND CODE,
A. AMOUNT AND PLACEMENT OF MORTAR
B. AMOUNT AND PLACEMENT OF ADHESIVE
C. TYPE, NUMBER, SIZE AND LENGTH OF FASTENERS AND CLIPS.
3. UNDERLAYMENT
4. SLOPE REQUIREMENT.



5.7 SQ. FT. CLEAR OPENING

2'-0" MIN.

1'-8" MIN.

3'-8" MAX.

FINISH FLOOR

R310.2.1 MINIMUM OPENING AREA: ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET (0.530 m²).

EXCEPTION: GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5 SQUARE FEET (0.465 m²).

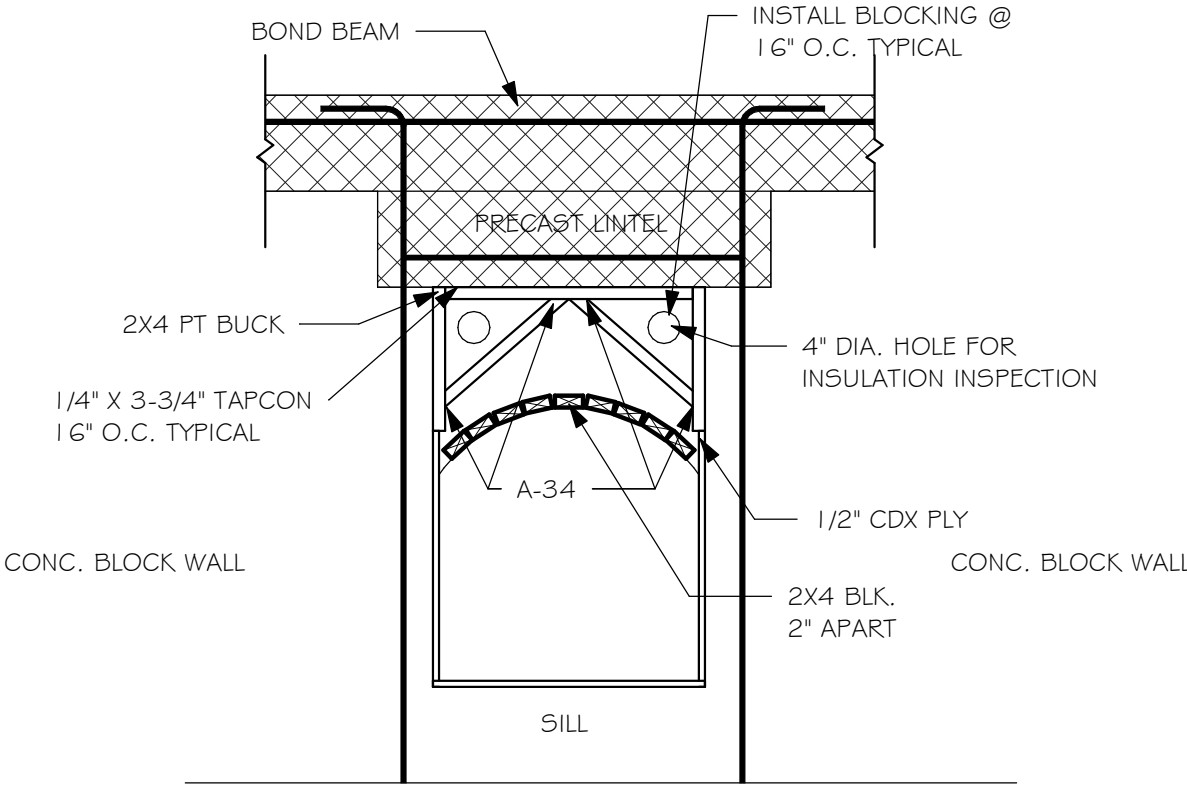
R310.2.1 MINIMUM OPENING HEIGHT: THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES (610mm).

R310.2.1 MINIMUM OPENING WIDTH: THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES (508mm).

R310.1.1 OPERATIONAL CONSTRAINTS: EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

R310.2.3 WINDOW WELLS: THE MINIMUM HORIZONTAL AREA OF THE WINDOW WELL SHALL BE 9 SQUARE FEET (0.84 m²), WITH A MINIMUM HORIZONTAL PROJECTION AND WIDTH OF 36 INCHES (914mm). THE AREA OF THE WINDOW WELL SHALL ALLOW THE EMERGENCY ESCAPE AND RESCUE OPENING TO BE FULLY OPENED.

MINIMUM EGRESS WINDOW DETAIL



BOND BEAM

INSTALL BLOCKING @ 16" O.C. TYPICAL

PRECAST LINTEL

2X4 PT BUCK

1/4" X 3-3/4" TAPCON 16" O.C. TYPICAL

4" DIA. HOLE FOR INSULATION INSPECTION

1/2" CDX PLY

2X4 BLK. 2" APART

CONC. BLOCK WALL

SILL

WINDOW OR DOOR ARCH SPACE FRAMING ABOVE

SPECIAL NOTE:
FRAMING OF DECORATIVE ARCHES AT WINDOW AND DOOR OPENINGS SHALL COMPLY WITH THE FOLLOWING:



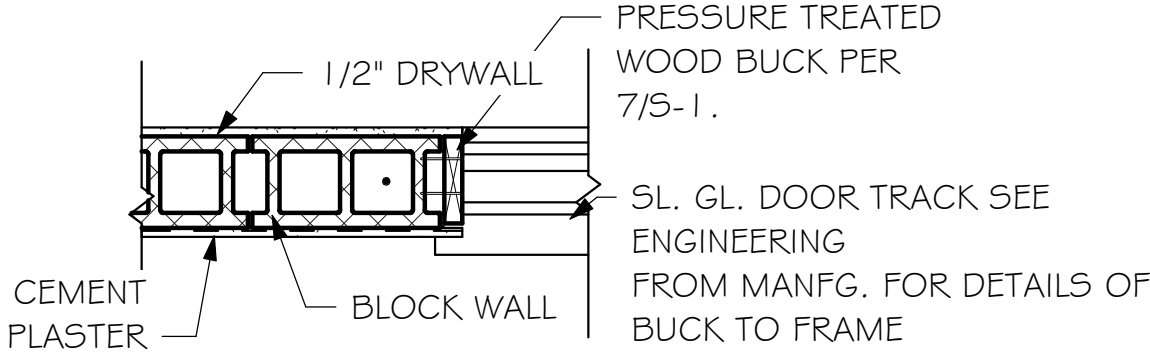
1' X 4 MIN. BLOCKING ATTACH W/ (2) 8d NAILS TYPICAL EACH END

4" DIA. HOLE FOR INSULATION INSPECTION

ATTACH 1X4 OR 1X8 PT W/ (2) 8d NAILS STAGGERED 8" O.C. FOR FRAME APPLICATIONS OR 1-1/2" O.113" CASE HARDENED PNEUMATIC DRIVEN NAILS STAGGERED @ 8" O.C.

1 5/32" C-D PLYWOOD, BOTH SIDES. ATTACH W/ 8d NAILS 6" O.C. EDGE.

FILL IN FRAMING



1/2" DRYWALL

CEMENT PLASTER

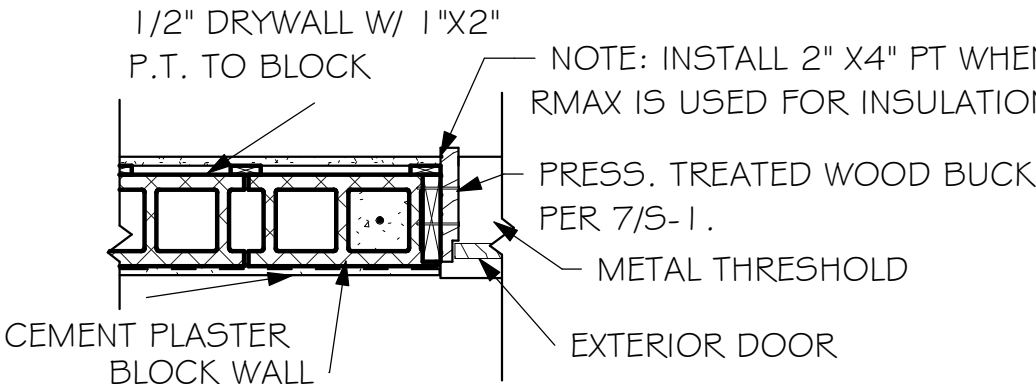
BLOCK WALL

PRESSURE TREATED WOOD BUCK PER 7/5-1.

SL. GL. DOOR TRACK SEE ENGINEERING FROM MANFG. FOR DETAILS OF BUCK TO FRAME

METAL THRESHOLD

SL. GL. DR. JAM TO BLOCK DETAIL



1/2" DRYWALL W/ 1"X2" P.T. TO BLOCK

CEMENT PLASTER

BLOCK WALL

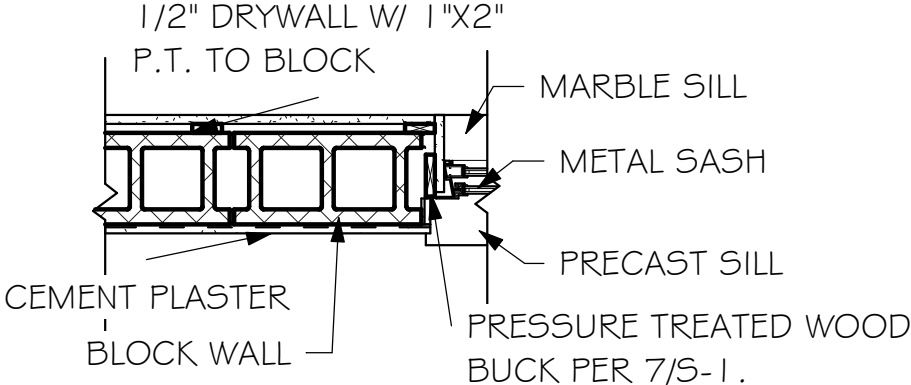
PRESS. TREATED WOOD BUCK PER 7/5-1.

METAL SASH

PRECAST SILL

EXTERIOR DOOR

DOOR JAM TO BLOCK DETAIL



1/2" DRYWALL W/ 1"X2" P.T. TO BLOCK

CEMENT PLASTER

BLOCK WALL

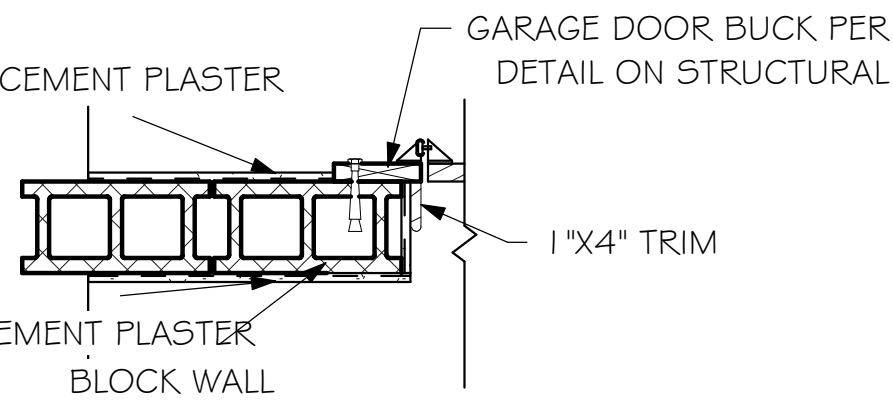
MARBLE SILL

METAL SASH

PRECAST SILL

PRESSURE TREATED WOOD BUCK PER 7/5-1.

WINDOW JAM TO BLOCK DETAIL



CEMENT PLASTER

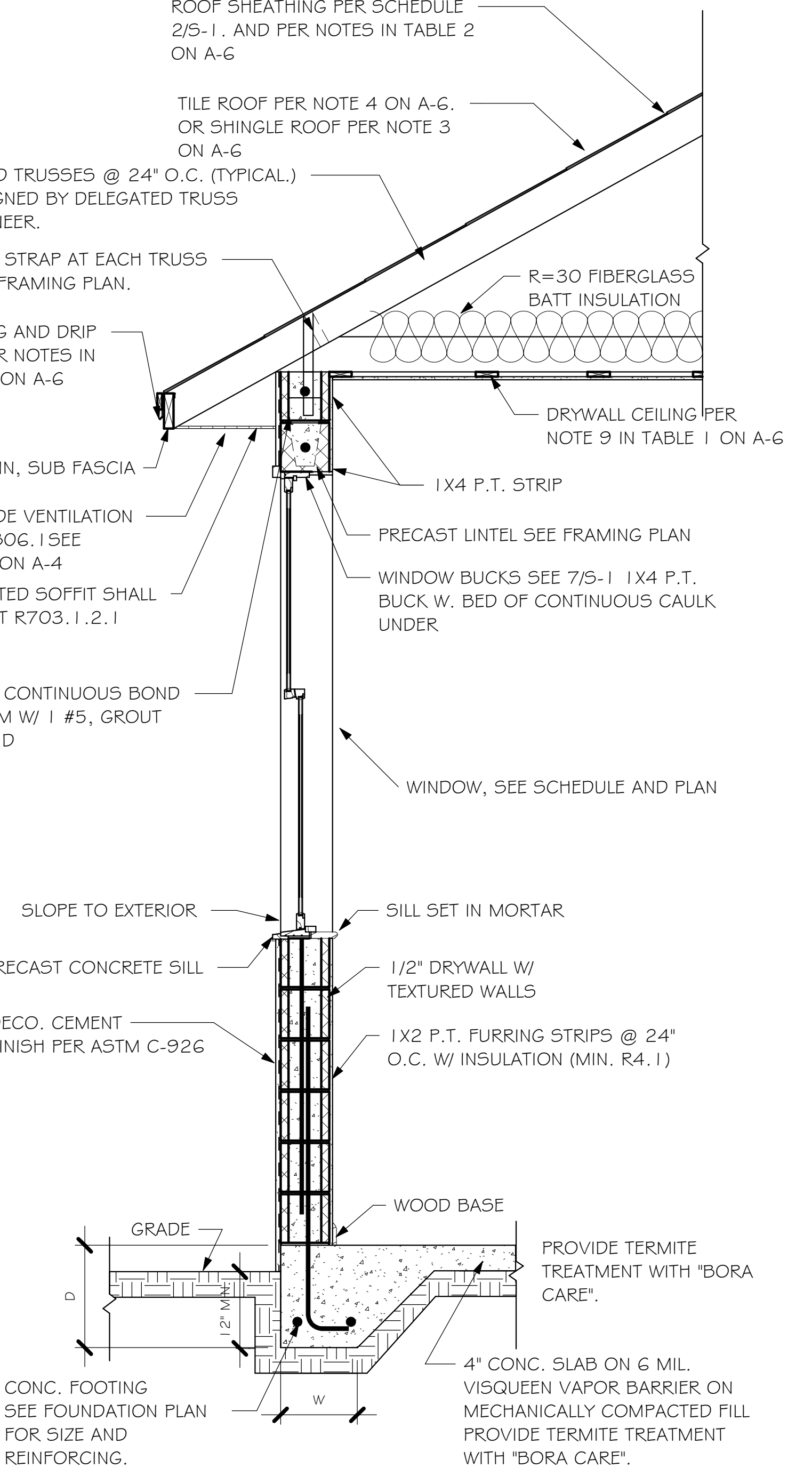
CEMENT PLASTER

BLOCK WALL

1"X4" TRIM

GARAGE DOOR BUCK PER DETAIL ON STRUCTURAL

GARAGE DOOR JAM DETAIL



ROOF SHEATHING PER SCHEDULE 2/5-1. AND PER NOTES IN TABLE 2 ON A-6

TILE ROOF PER NOTE 4 ON A-6. OR SHINGLE ROOF PER NOTE 3 ON A-6

WOOD TRUSSES @ 24" O.C. (TYPICAL.) DESIGNED BY DELEGATED TRUSS ENGINEER.

EMBEDDED STRAP AT EACH TRUSS PER ROOF FRAMING PLAN.

FLASHING AND DRIP EDGE PER NOTES IN TABLE 2 ON A-6

2X6 MIN. SUB FASCIA

PROVIDE VENTILATION PER R806.1 SEE TABLE ON A-4

VENTED SOFFIT SHALL MEET R703.1.2.1

8X8 CONTINUOUS BOND BEAM W/ 1 #5, GROUT SOLID

WINDOW, SEE SCHEDULE AND PLAN

PRECAST CONCRETE SILL

DECO. CEMENT FINISH PER ASTM C-926

1/2" DRYWALL W/ TEXTURED WALLS

1X2 P.T. FURRING STRIPS @ 24" O.C. W/ INSULATION (MIN. R4.1)

WOOD BASE

PROVIDE TERMITE TREATMENT WITH "BORA CARE".

4" CONC. SLAB ON 6 MIL. VISQUEEN VAPOR BARRIER ON MECHANICALLY COMPACTED FILL PROVIDE TERMITE TREATMENT WITH "BORA CARE".

CONC. FOOTING SEE FOUNDATION PLAN FOR SIZE AND REINFORCING.

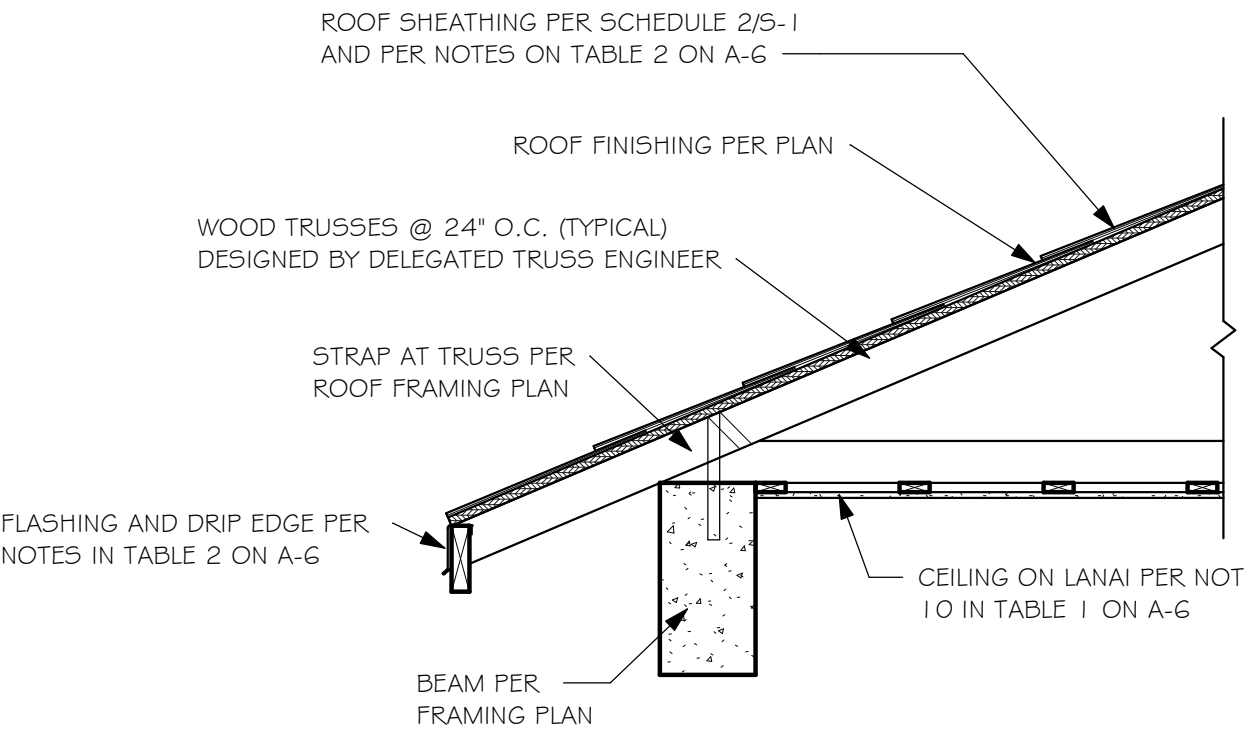
SLOPE TO EXTERIOR

SILL SET IN MORTAR

1/2" DRYWALL W/ TEXTURED WALLS

1X2 P.T. FURRING STRIPS @ 24" O.C. W/ INSULATION (MIN. R4.1)

TYPICAL WALL SECTION



ROOF SHEATHING PER SCHEDULE 2/5-1 AND PER NOTES ON TABLE 2 ON A-6

ROOF FINISHING PER PLAN

WOOD TRUSSES @ 24" O.C. (TYPICAL) DESIGNED BY DELEGATED TRUSS ENGINEER

STRAP AT TRUSS PER ROOF FRAMING PLAN

FLASHING AND DRIP EDGE PER NOTES IN TABLE 2 ON A-6

BEAM PER FRAMING PLAN

CEILING ON LANAI PER NOTE 10 IN TABLE 1 ON A-6

LANAI/ ENTRY ROOF ASSEMBLY

DESIGN IN ACCORDANCE WITH THE RESIDENTIAL FLORIDA BUILDING CODE 2017 - 6TH EDITION



D-R HORTON
America's Builder



Gulf Coast
Drafting & Design, Inc.

EMAIL: PLANS@GULFCOASTDRAFTING.COM
PHONE: 239-540-8622
1515 SE 47th ST. CAPE CORAL, FL 33904

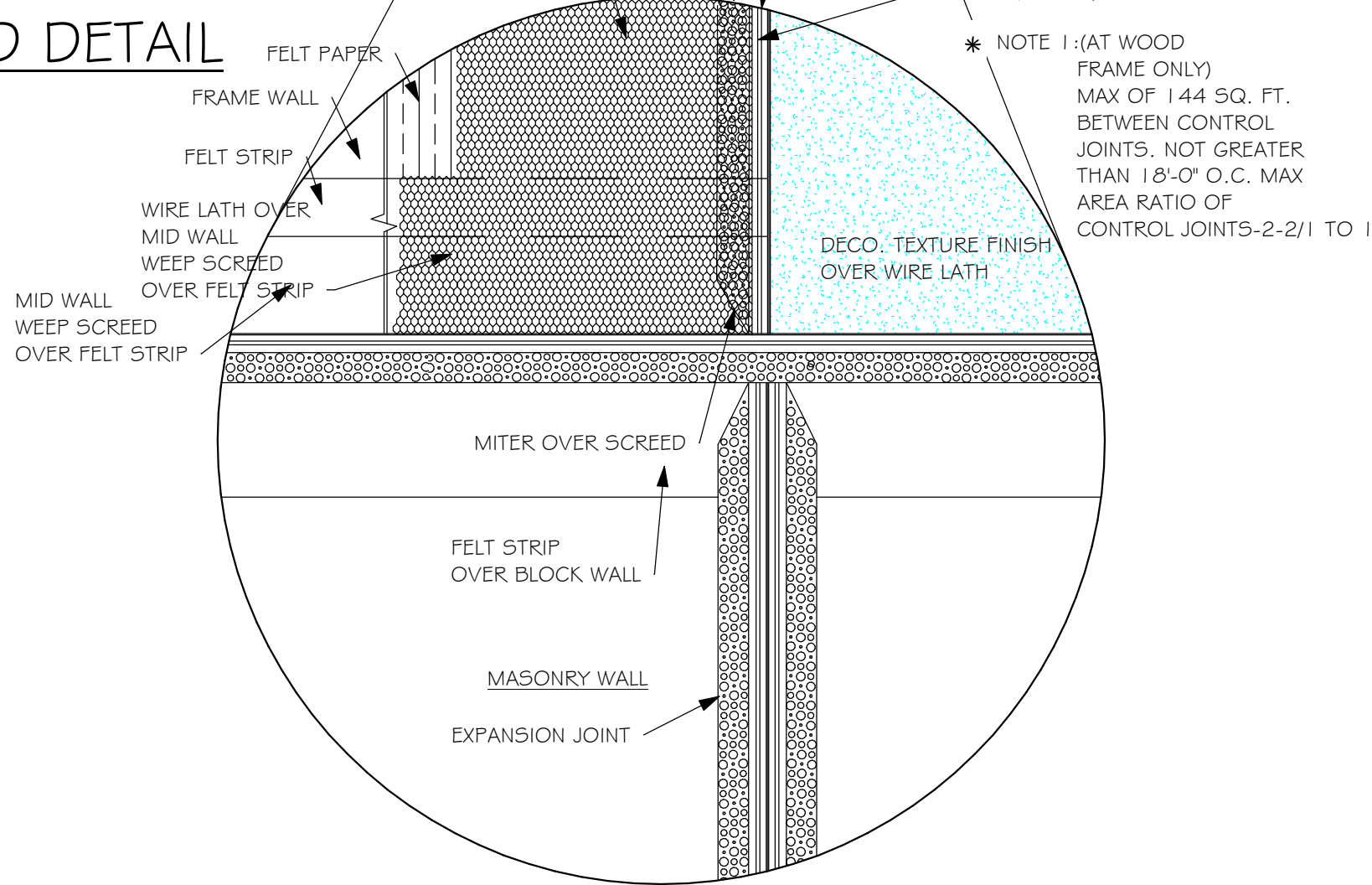
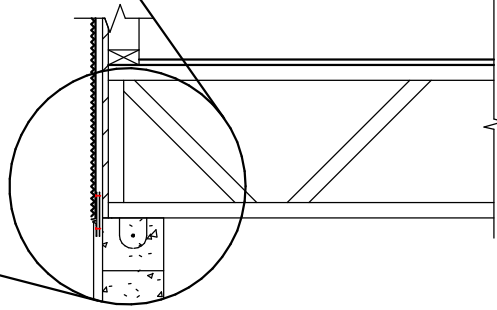
STRUCTURAL ENGINEERING
STRUCTURAL SYSTEMS OF NORTH FLORIDA
1000 E. 10th Ave., Suite 100
Fort Lauderdale, FL 33316
(954) 579-1454
(954) 579-1454
FAX: (954) 579-1454

LOT: 248 & 249
SUBDIVISION: WATERFORD II TV's
ADDRESS: 7521-17513 WEST LENOX CIR
D.R.H. #: 579170037-038

MODEL
1498 VILLA

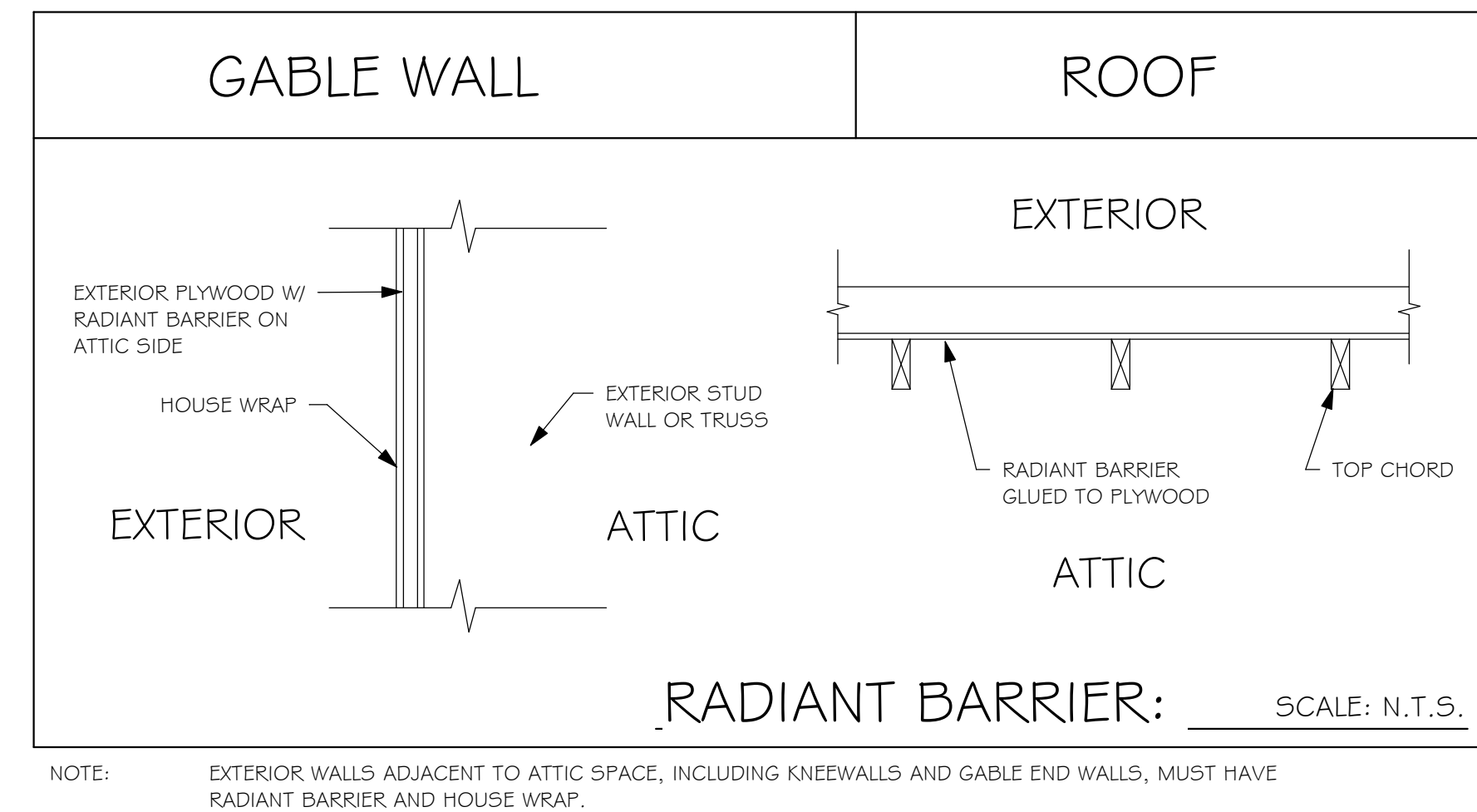
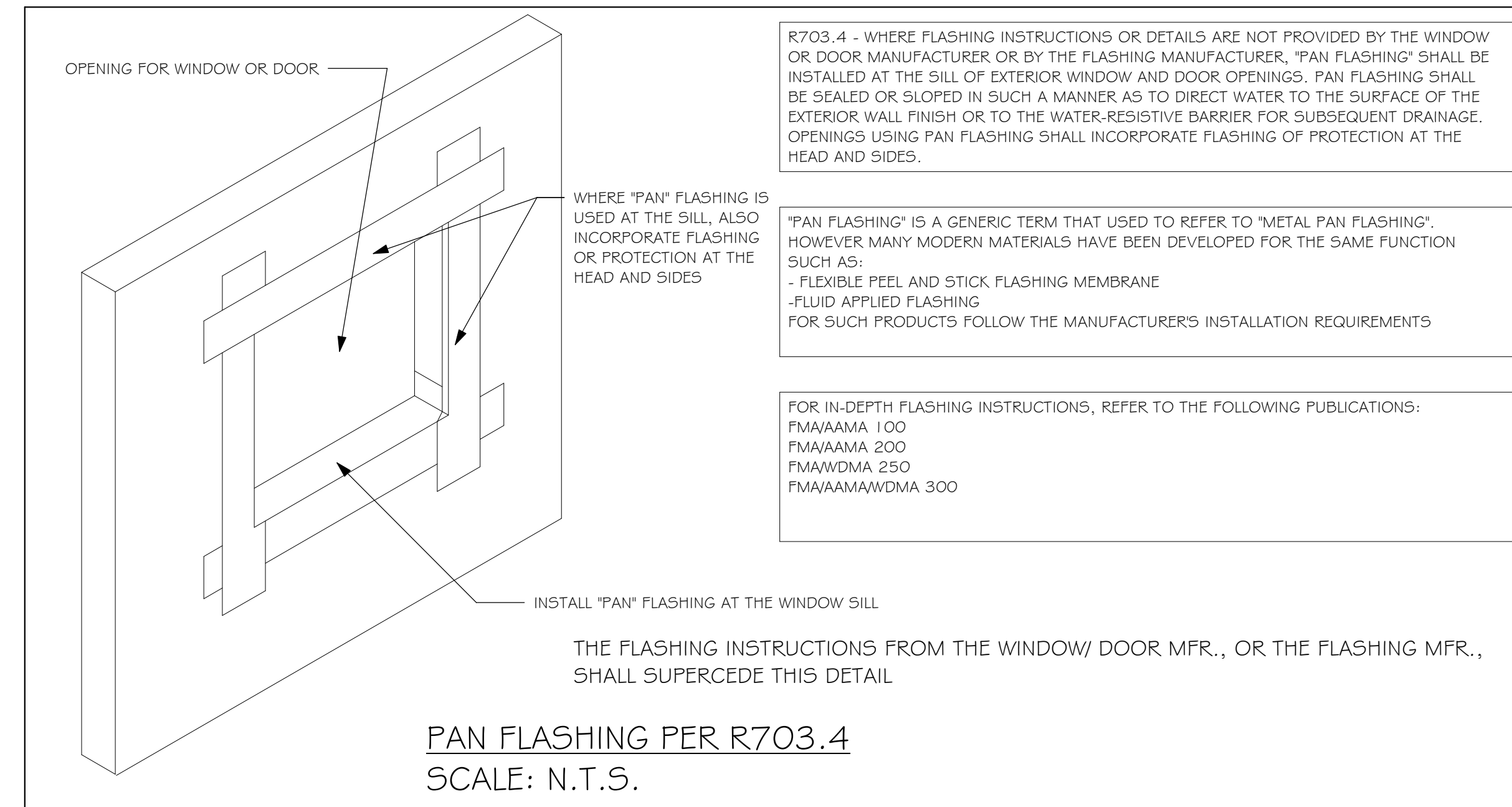
DATE: 5-1-18
DRAWN BY: JSL
CHECKED BY: JWC
REVISED:
PLAN: SECTIONS
SCALE: As indicated

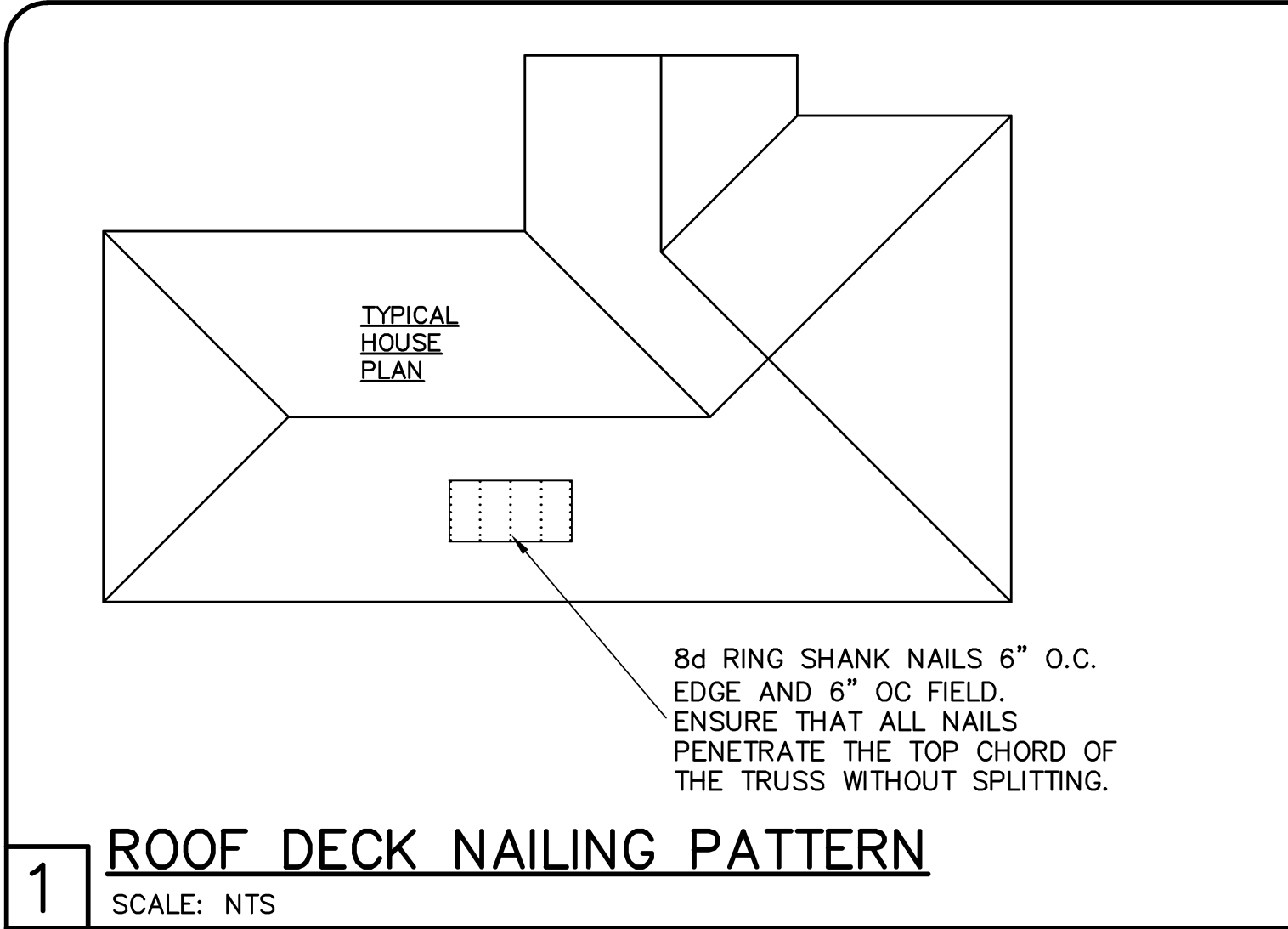
A-6



WEEP SCREED DETAIL

INSTALL AT ALL EXTERIOR WALL LOCATIONS WHERE
WOOD STUD FRAMING IS ABOVE MASONRY WALLS

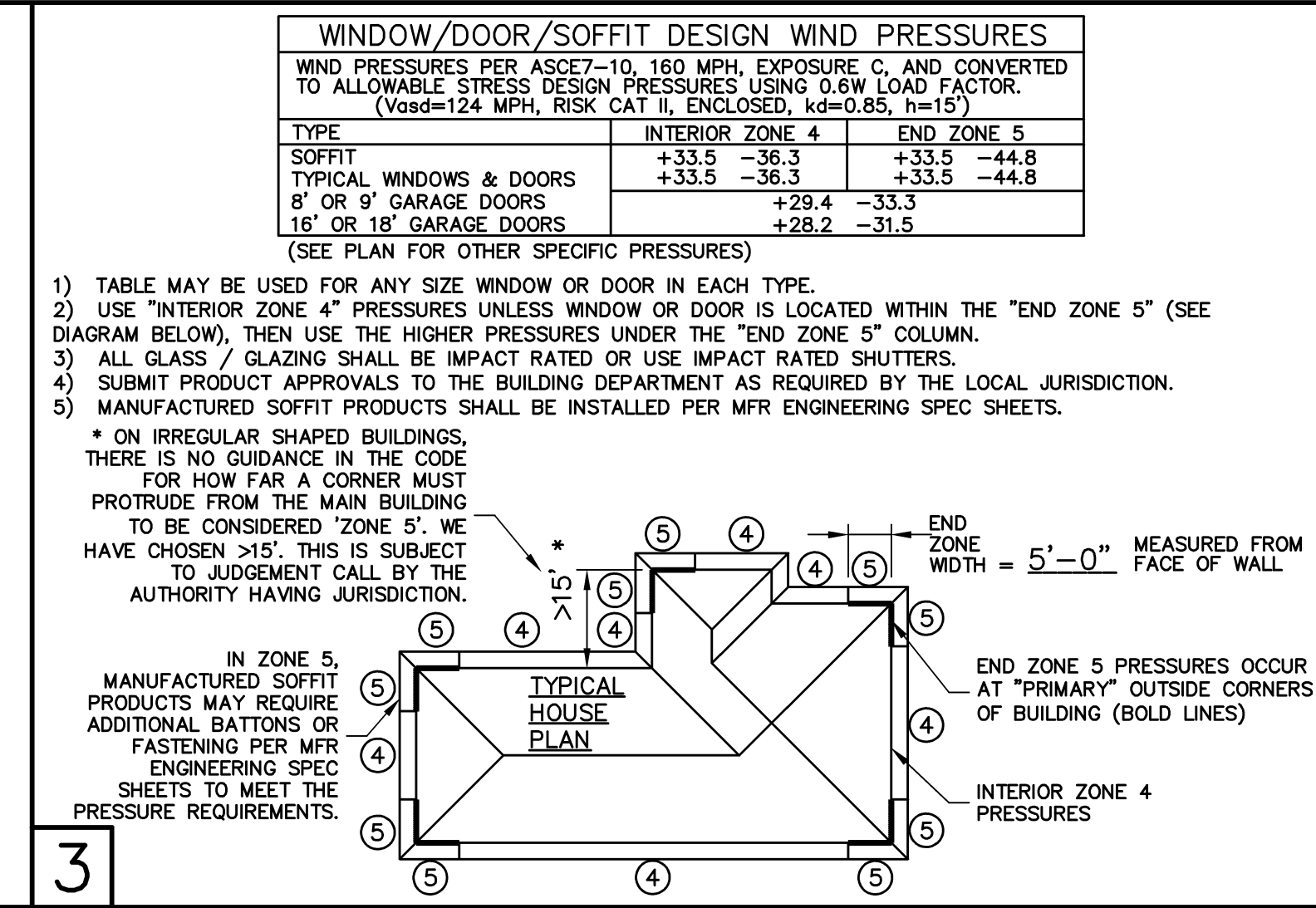




2

SHEATHING SCHEDULE

EXTERIOR STUD WALL	FLOOR
7/16" ZIP SYSTEM WALL SHEATHING BY HUBER ENGINEERED WOODS LLC, NAILED W/ 8d COMMON WIRE @ 6" O.C. EDGE AND 6" O.C. FIELD. PROVIDE 2x4 BLOCKING AT ALL JOINTS. INSTALL SHEATHING AND SEAM TAPE IN STRICT ACCORDANCE WITH MFR. WRITTEN INSTRUCTIONS.	N/A
ROOF	EXTERIOR CEILING AND SOFFIT
A.P.A. RATED SHEATHING, EXPOSURE 1, SPAN RATING 24/16 OR BETTER. FASTEN WITH 8d RING SHANK NAILS @ 6" O.C. EDGE AND 6" O.C. FIELD. (WHEN 1/2" ZIP BRAND ROOF SHEATHING IS USED, H-CLIPS ARE NOT REQUIRED) (RING SHANK NAILS PER R603.2.3.1: 0.113" NOMINAL SHANK DIAMETER, RING DIA. OF 0.012" OVER SHANK DIAMETER, 16 TO 20 RINGS PER INCH, 0.280" DIAMETER FULL ROUND HEAD, 2" NAIL LENGTH)	OPTIONS: 1) 1x4 STRIPPING @ 16"OC w/ 2-8d NAILS TO EACH TRUSS, 5/8" EXTERIOR GYPBOARD CEILING, FASTEN w/8d NAILS OR 15/8" DRYWALL SCREWS @ 6"OC EDGE & FIELD. 2) 3/8" BC PLYWOOD NAILED w/ 6d COMMON @ 6" OC EDGE & FIELD. 3) VINYL OR ALUMINUM PERFORATED SOFFIT INSTALLED PER MANUFACTURER INSTRUCTIONS TO MEET WIND PRESSURES PER R703.1.2.1.



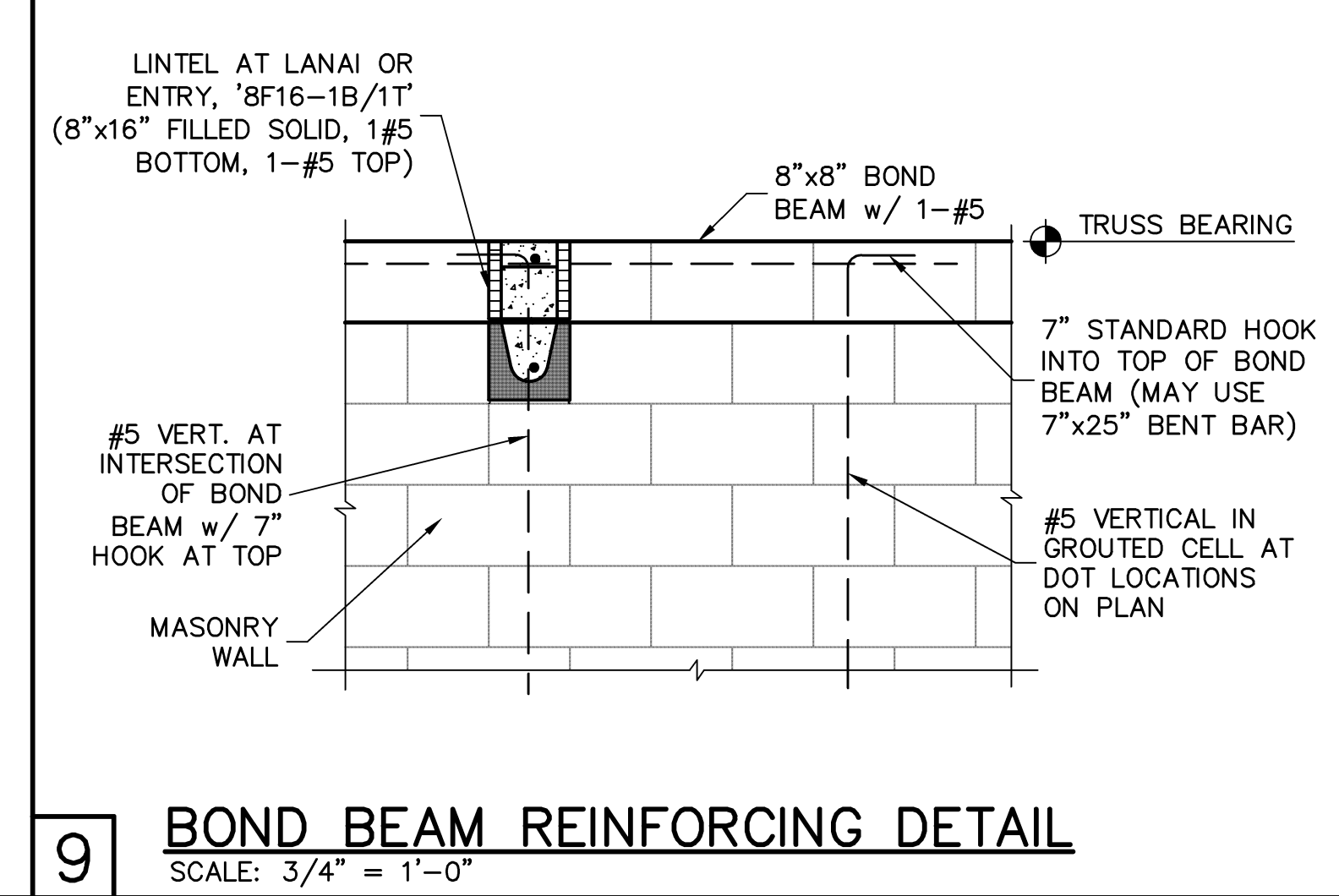
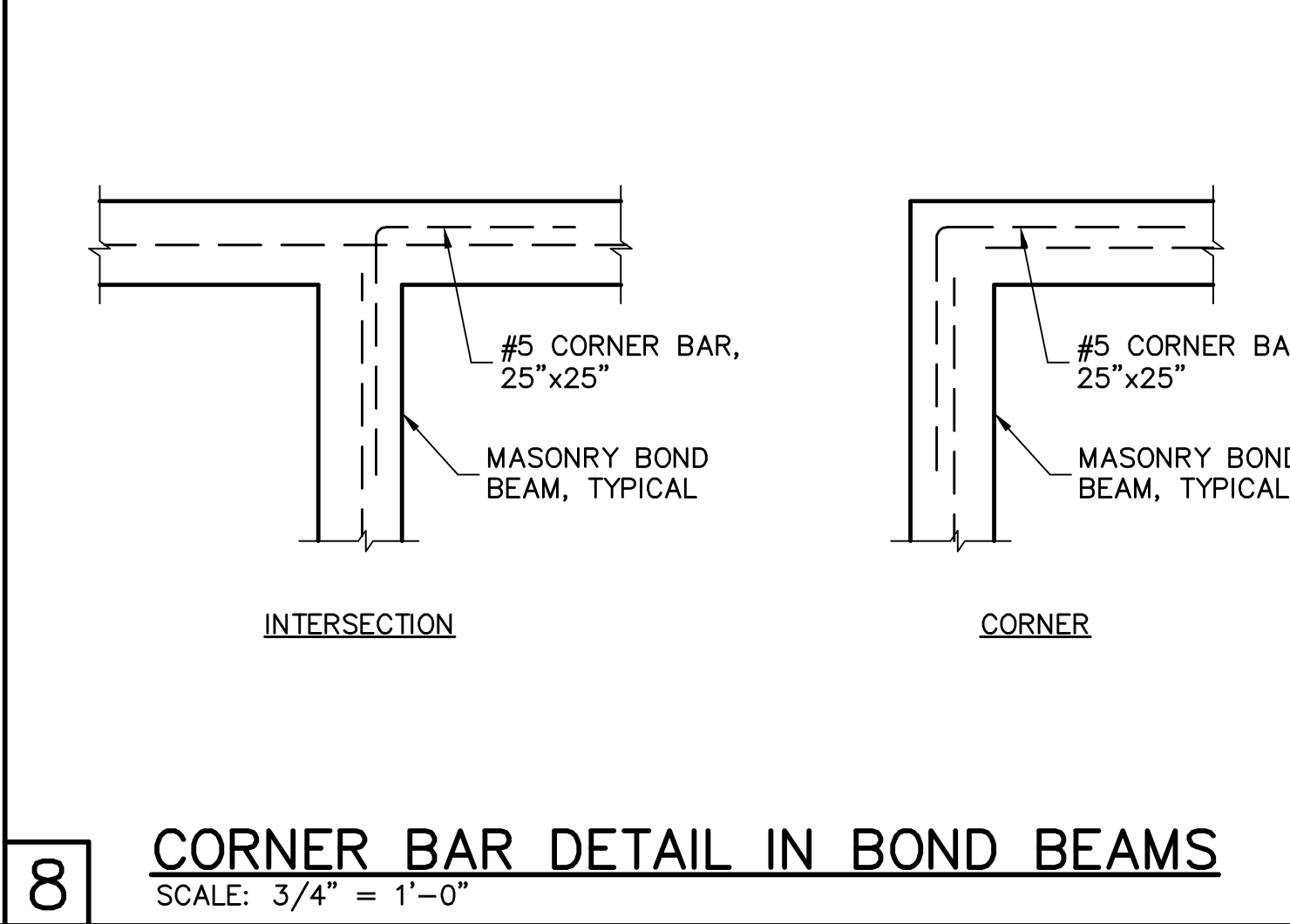
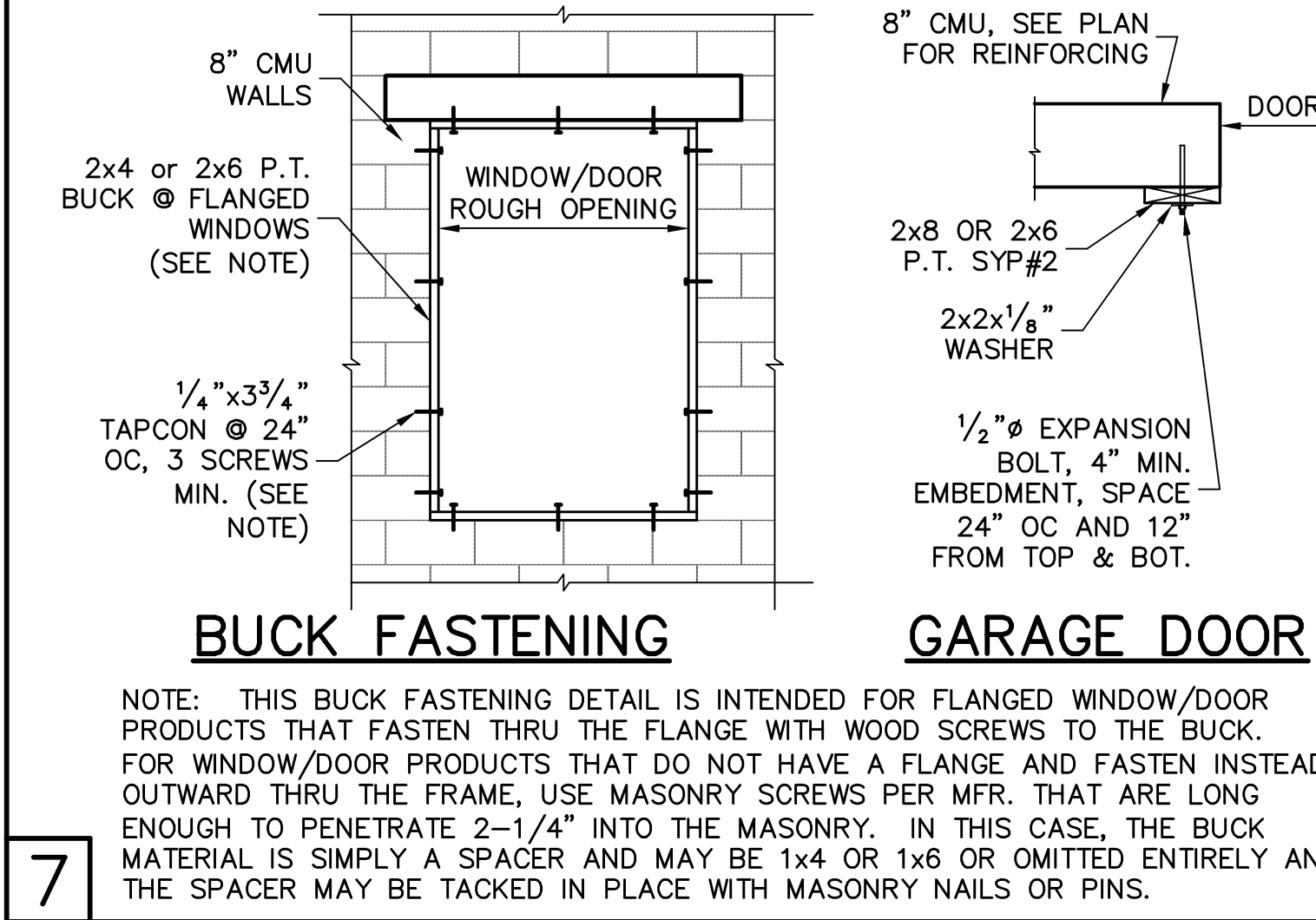
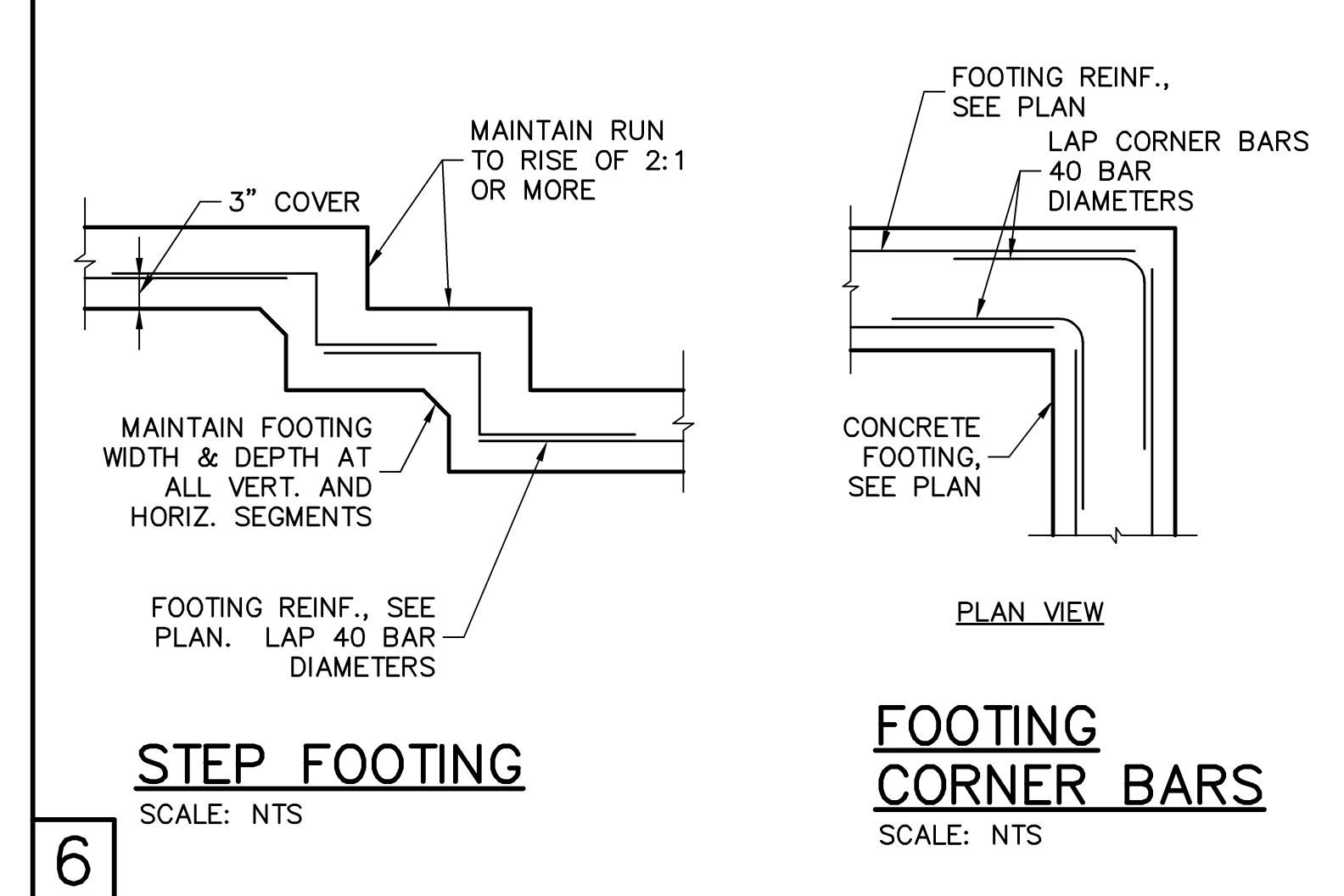
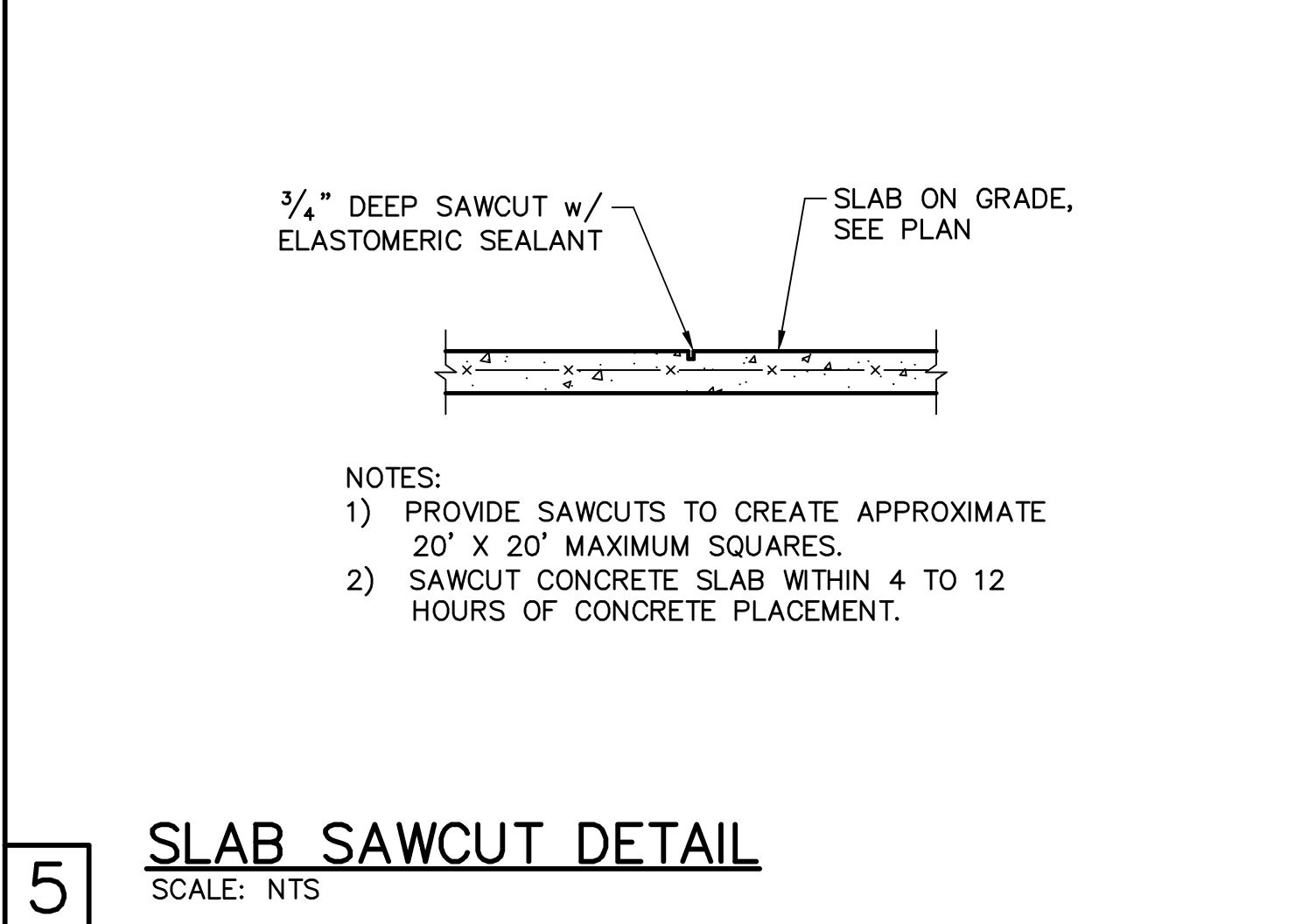
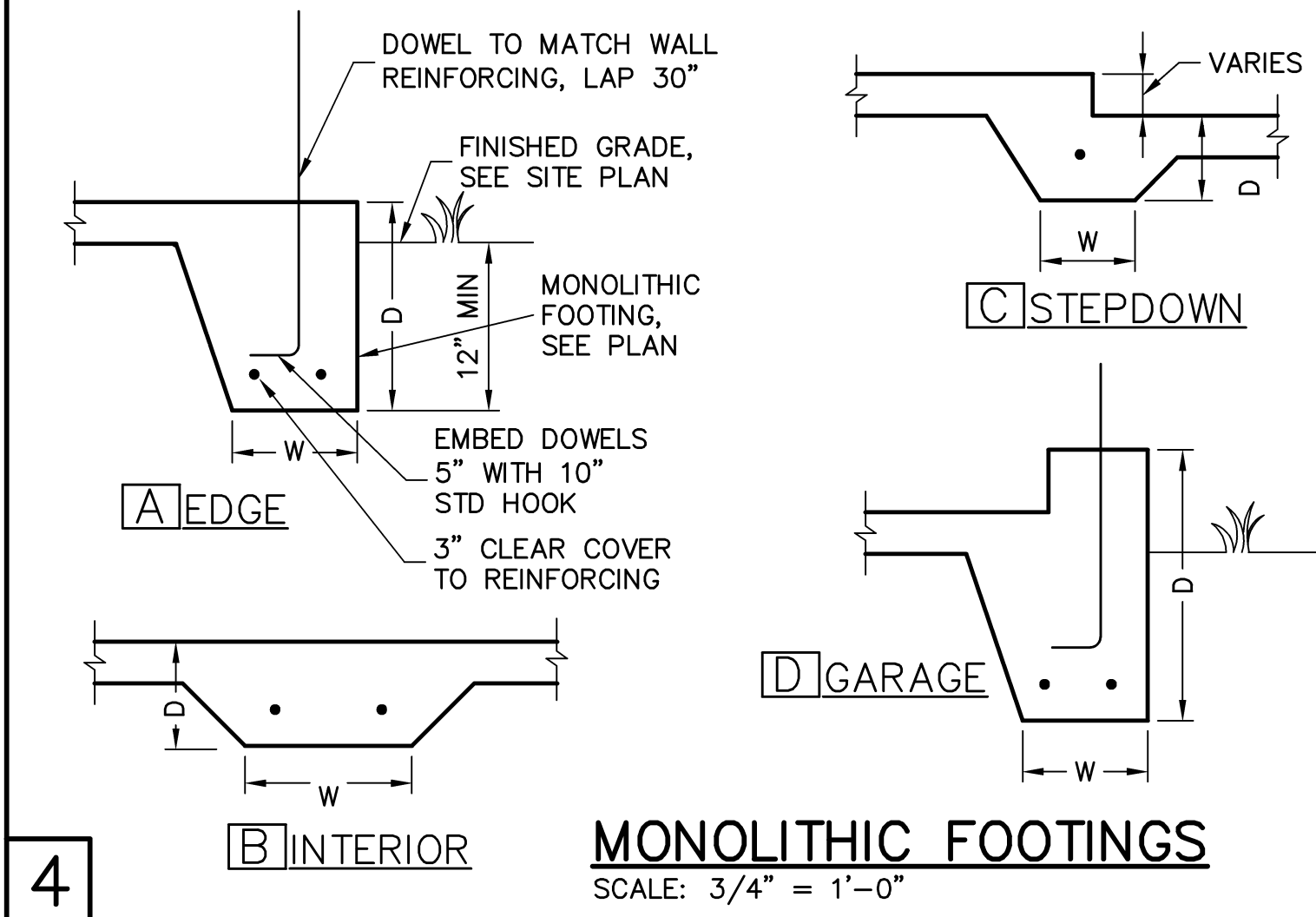
- DESIGN CRITERIA:
- DESIGN IN ACCORDANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 6th EDITION (2017) RESIDENTIAL
- FLOOR & ROOF UNIFORM LOADS:
ELEVATED FLOORS: LIVE LOAD 40 PSF, DEAD LOAD 20 PSF
ROOF: LIVE TOP CHORD 20 PSF
LIVE BOTTOM CHORD 10 PSF (NON-CONCURRENT w/ TOLL)
CEMENT ROOF TILE DEAD LOAD 25 PSF TOTAL
SHINGLE/METAL ROOFING DEAD LOAD 15 PSF TOTAL
MINIMUM DEAD LOAD FOR WIND: TC 5 PSF, BC 5 PSF
DEFLECTION CRITERIA:
FLOOR L/480 LIVE, L/360 TOTAL
ROOF L/240 LIVE, L/180 TOTAL
 - WIND LOADS:
WIND DESIGN PER ASCE7-10
BASIC WIND SPEED (ASCE7-10) 160 MPH
NOMINAL WIND SPEED (V_{wd} TABLE R301.2.1.3) 124 MPH
BUILDING CATEGORY II
IMPORTANCE FACTOR 1.00
EXPOSURE C
MEAN ROOF HEIGHT = 15 FT
ROOF PITCH 5/12
ENCLOSURE CLASS 1
INTERNAL PRES. COEFF. +/- 0.18
WINDOW/DOOR DESIGN WIND PRESSURE, SEE TABLE IN DETAIL 3.
SOFFITS - PER R703.1.3, ALL SOFFITS SHALL BE CAPABLE OF RESISTING THE DESIGN PRESSURES SPECIFIED IN TABLE R301.2(2) FOR WALLS. PER R616.4, SOFFIT TESTING SHALL USE ASCE7 DESIGN PRESSURES USING 0.6W LOAD FACTOR.
 - REINFORCED CONCRETE:
DESIGN AS PER ACI 318-14
REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS:
SLAB ON GRADE f_c = 2500 PSI
3/4" MINIMUM THICKNESS REINFORCED WITH 6x6 w/4xw1.4 WWF OR FIBERMESH.
CONVENTIONAL SHALLOW FOOTINGS f_c = 2500 PSI
BEAMS AND COLUMNS f_c = 3000 PSI
ALL OTHER CONCRETE (U.N.O.) f_c = 3000 PSI
UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:
FOOTINGS SLAB ON GRADE 3"
BEAMS 1 1/2"
COLUMNS 1 1/2"
ALL REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAMS AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. ALL REINFORCING STEEL SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF CONCRETE.
REINFORCING STEEL - ASTM A615 GRADE 40 FOR #3
GRADE 60 FOR #4 TO #11

WELDED WIRE FABRIC - ASTM A185

SPICES IN REINFORCING, SHALL BE 40 BAR DIAMETERS. NON-CONTACT LAP SPICES MAY BE USED PROVIDED REINFORCING IS NOT SPACED MORE THAN 5" APART FOR #5 BARS.

FORMWORK AND SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED AT LEAST 2/3 OF THE REQUIRED 28 DAY STRENGTH.
 - REINFORCED MASONRY:
DESIGN PER ACI 530-13
REQUIRED COMPRESSIVE STRENGTHS:
MASONRY WALLS f_m = 1500 PSI

REINFORCING STEEL - ASTM A615 GRADE 60.
SPICES IN REINFORCING, SHALL BE 48 BAR DIAMETERS.
ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90, GRADE N-1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE "S" MORTAR. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI PEA RACK CONCRETE GROUT. ALL CELLS BELOW FINISHED GRADE SHALL BE GROUTED SOLID. ALL EXTERIOR WALLS SHALL BE REINFORCED FULL HEIGHT AT DOT LOCATIONS ON PLAN. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN WALLS AT 16" OC VERTICALLY, UNLESS NOTED OTHERWISE. IN ADDITION, INSTALL JOINT REINFORCING IN THE FIRST TWO MORTAR JOINTS ABOVE AND BELOW OPENINGS, EXTENDING AT LEAST 24" BEYOND THE OPENING. LAP JOINT REINFORCING 6" MINIMUM.
 - DELEGATED-ENGINEERED WOOD ROOF & FLOOR TRUSSES:
ALL WOOD ROOF AND FLOOR TRUSSES SHALL BE DESIGNED BY A DELEGATED TRUSS ENGINEER PER RULE 61015-31.003 OF THE FLORIDA ADMINISTRATIVE CODE. ALL TRUSSES SHALL HAVE TEMPORARY BRACING PER "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, HB-91" FOR OTHER BRACING REQUIREMENTS, NOTIFY ENGINEER. PROVIDE PERMANENT BRACING PER TRUSS MFR. SHOP DRAWINGS. IF PERMANENT BRACING IS NOT SPECIFIED, CONTACT ENGINEER.
 - FOUNDATION:
CONVENTIONAL SHALLOW CONCRETE FOOTINGS 2000 PSF
SOIL BEARING CAPACITY
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL CONDITIONS FOR THE INTENDED STRUCTURE AND ASSUMED SOIL BEARING CAPACITY.
IT IS RECOMMENDED THAT A GEOTECHNICAL FIRM BE HIRED TO PERFORM A SITE EVALUATION.
 - DIMENSIONS: VERIFY ALL DIMENSIONS WITH HOUSE PLANS. SEE HOUSE PLANS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
 - MEANS AND METHODS: THE STRUCTURAL ENGINEER SHALL NOT HAVE CONTROL OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SEQUENCES TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO SUPPORT STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, OR ANY OTHER PERSONS PERFORMING THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CONSTRUCT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - SHOP DRAWINGS: SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ENGINEER FOR REVIEW FOR ALL STRUCTURAL ELEMENTS UTILIZING PREFABRICATED COMPONENTS. ONE SET OF SIGNED & SEALED TRUSS ENGINEERING SHALL BE DELIVERED TO THE ENGINEER OF RECORD FOR THE STRUCTURE PER FLORIDA ADMINISTRATIVE CODE 61G15-30.005 AND 61G15-31.003.

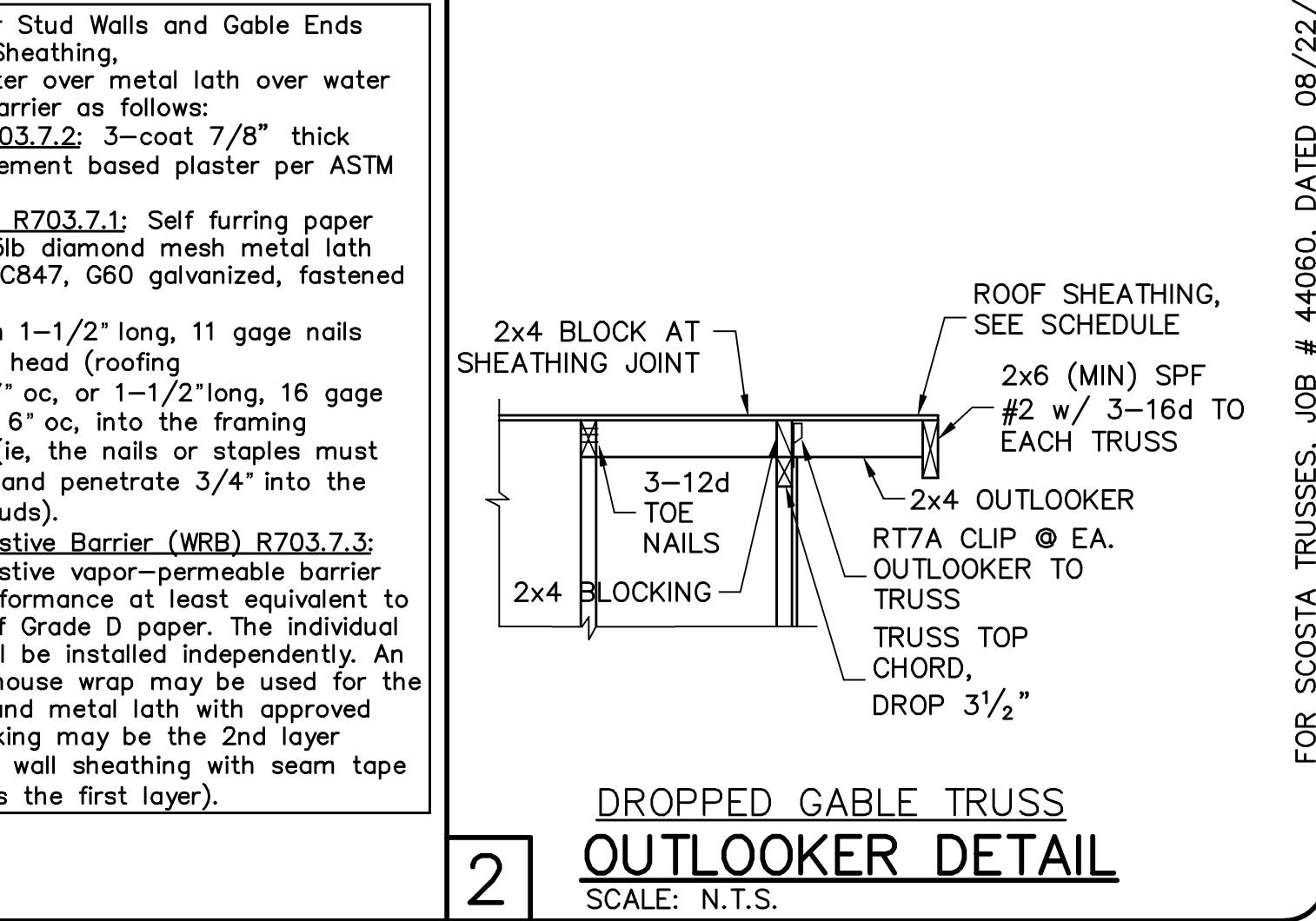
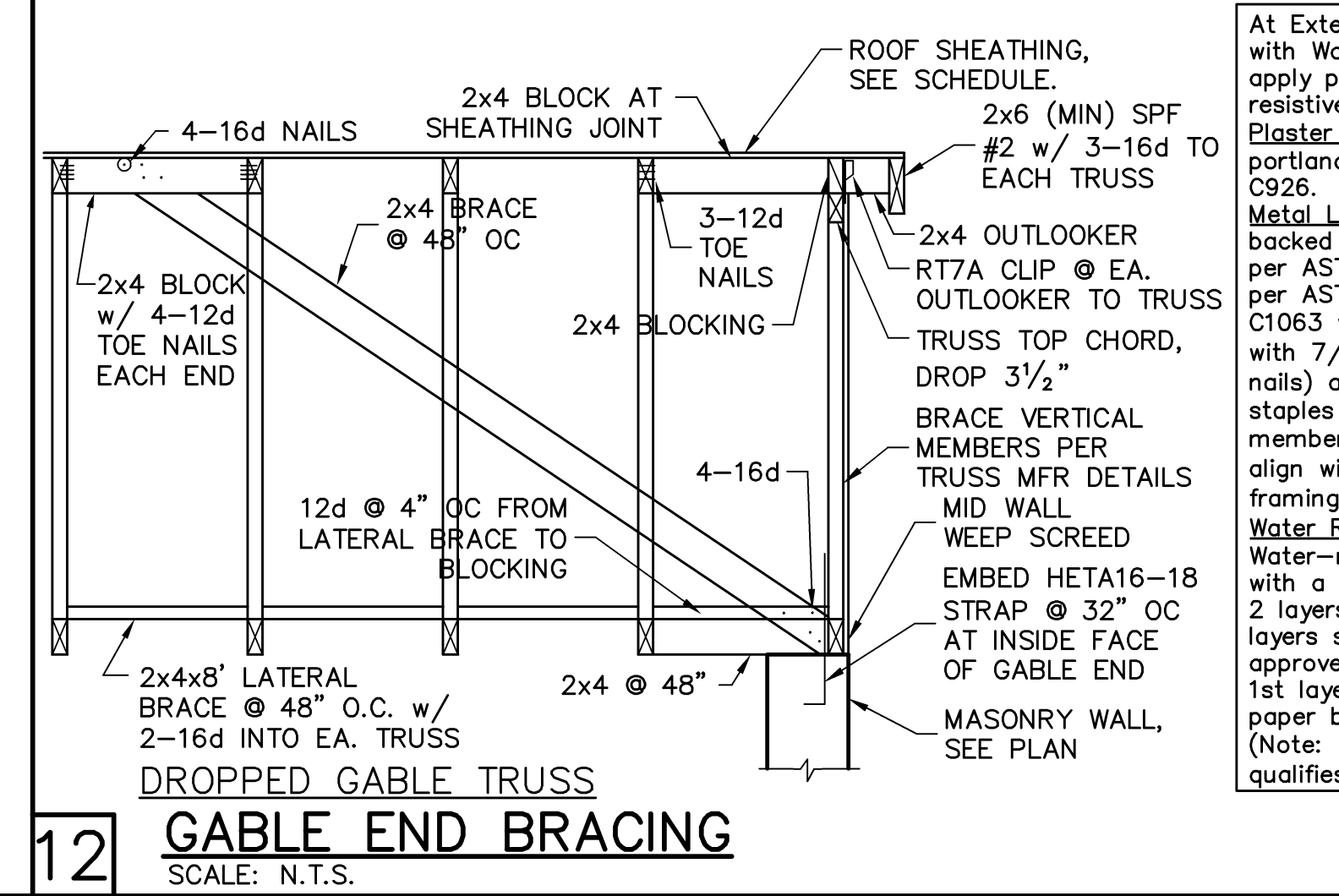
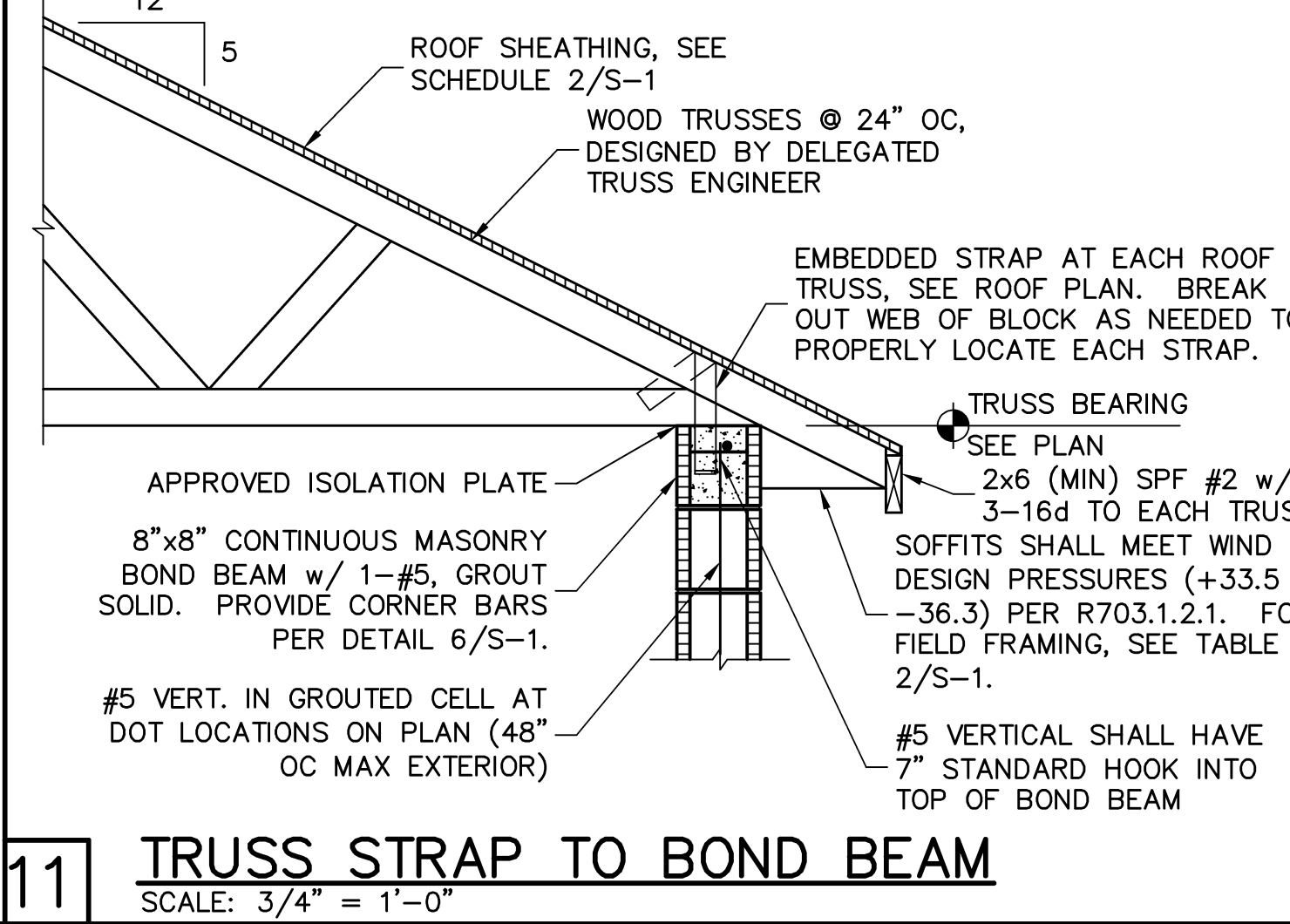


10

RETROFIT STRAPS TO CONCRETE/MASONRY

TRUSS UPLIFT (LBS) @ 24" OC	CONNECTOR
TO 1145	1-HTWM16 or 20
TO 1145	1-HTWM16 or 20
TO 2290	2-HTWM16 or 20
TO 4520	2-LUGT2
TO 3610	HTT16
TO 9790	HGT-2/3

NOTES:
1) WHERE EMBEDDED STRAP IS MISSING OR MIS-LOCATED, PROVIDE A STRAP FROM THE ABOVE LIST AT EACH ROOF TRUSS BEARING POINT, BASED ON THE TRUSS UPLIFT VALUES IN THE SIGNED AND SEALED TRUSS DESIGN PACKAGE.
2) CONNECTORS ARE USP. ALL CONNECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH USP PRINTED INSTRUCTIONS.
3) CONCRETE SCREW SHALL BE WEDGE-BOLT+, TITEN, TAPCON OR EQUIVALENT.



REVISIONS

BY

STRUCTURAL ENGINEERING:

STRUCTURAL SYSTEMS OF NORTH FLORIDA

1634 S.E. 47th STREET, SUITE #3
CAPE CORAL, FL 33904
(239) 549-4554
CA # 8829

DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 6th EDITION (2017) RESIDENTIAL

BUILDER:

D.R. HOHON

America's Builder

STRUCTURAL DETAILS FOR 1498 SIGNATURE VILLA

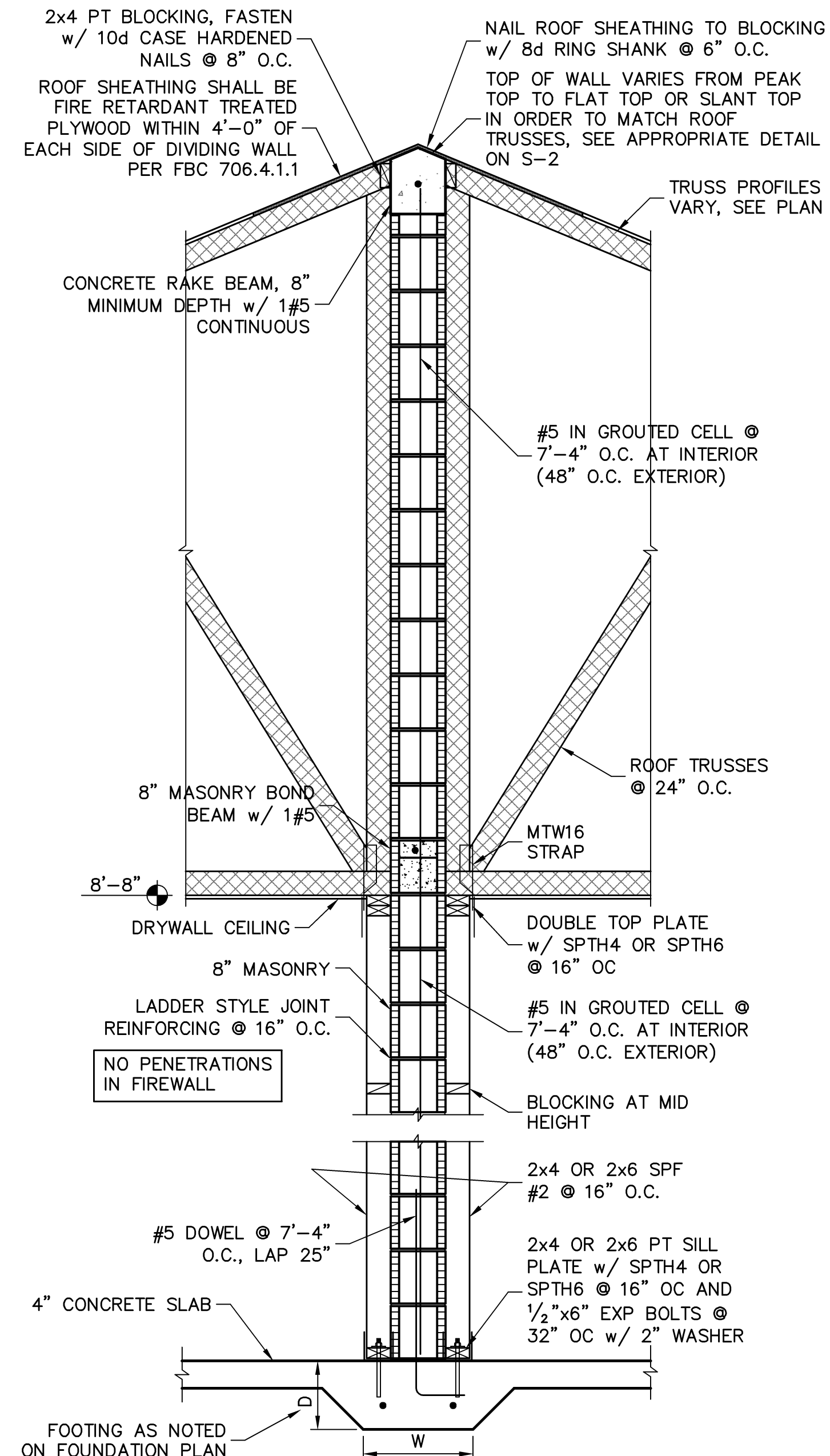
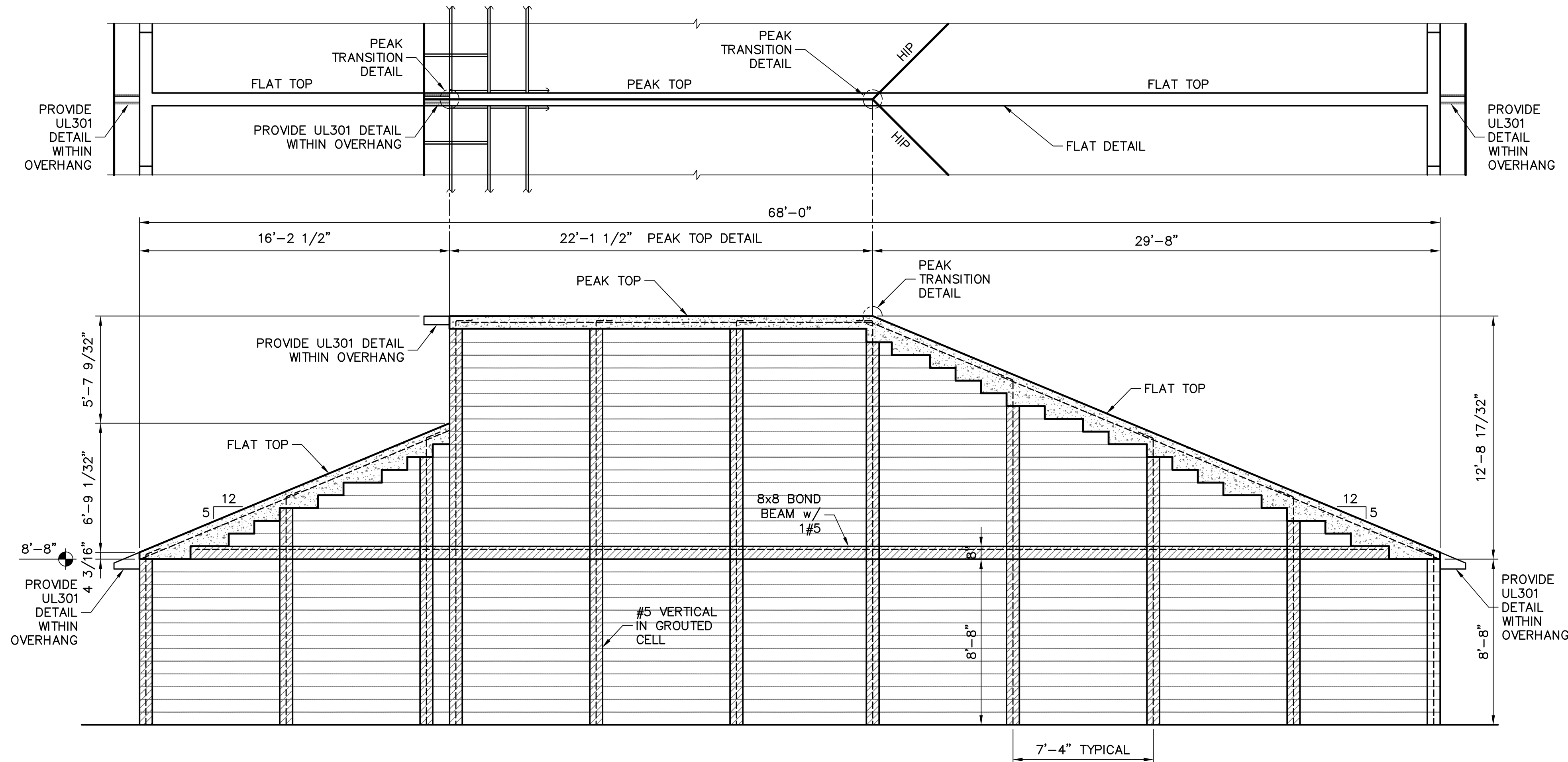
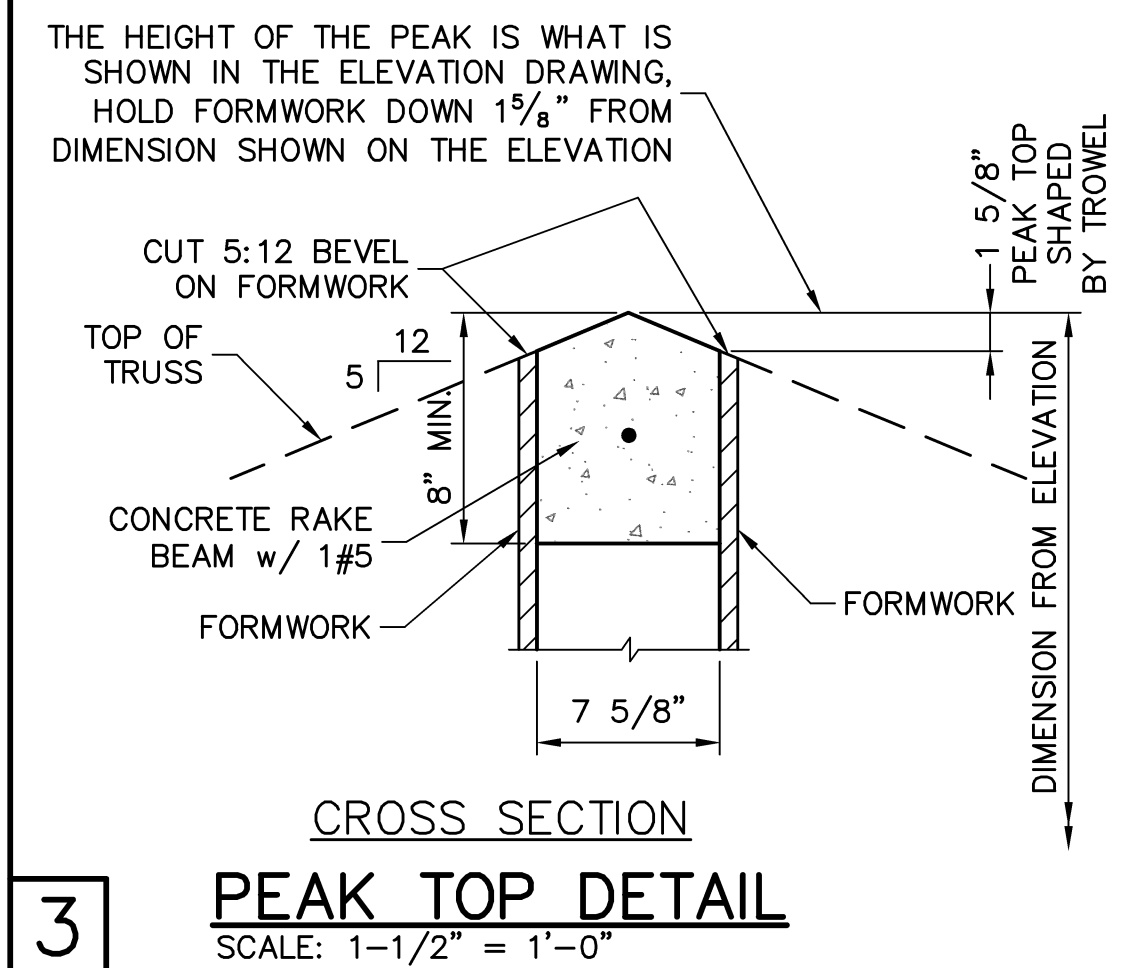
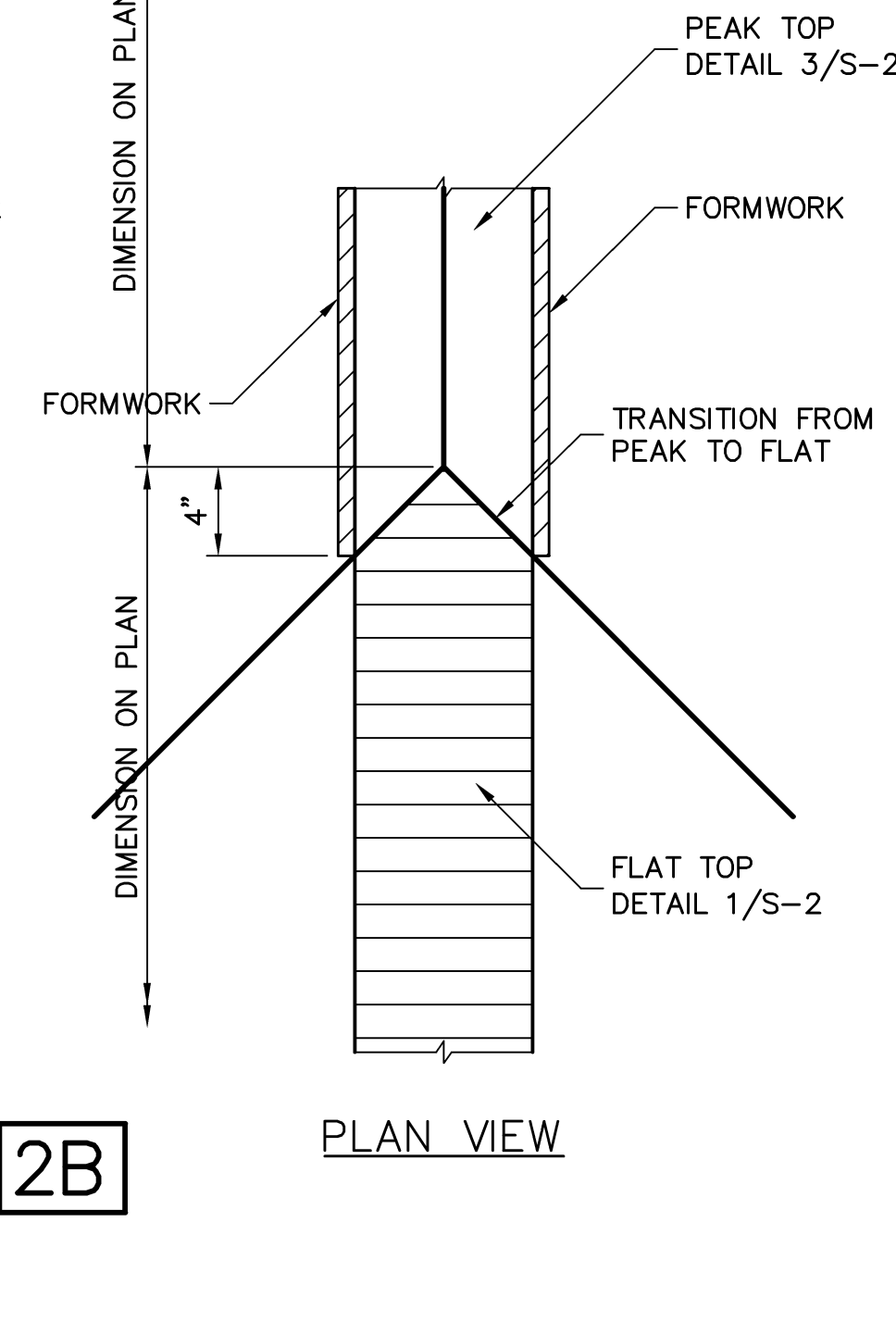
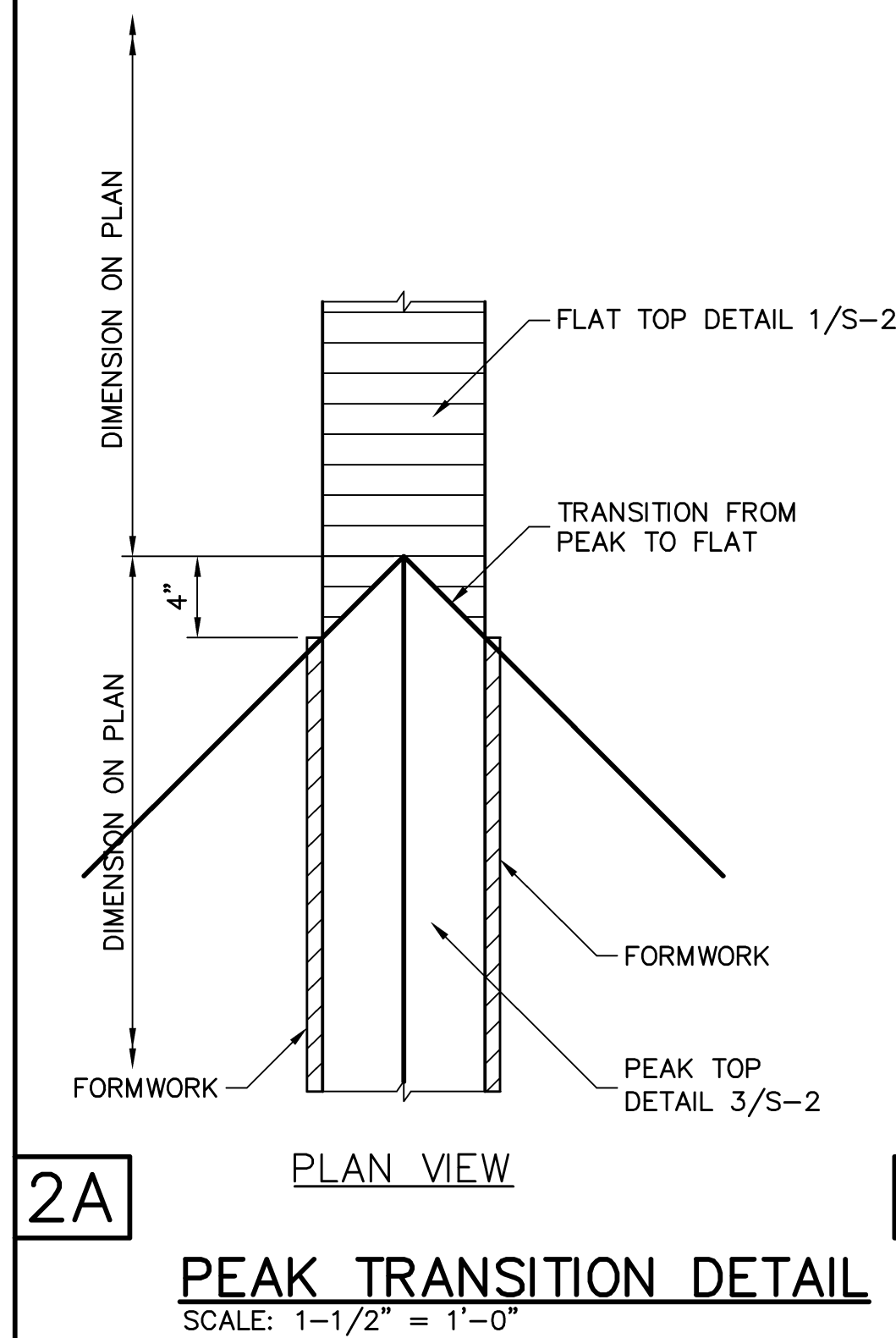
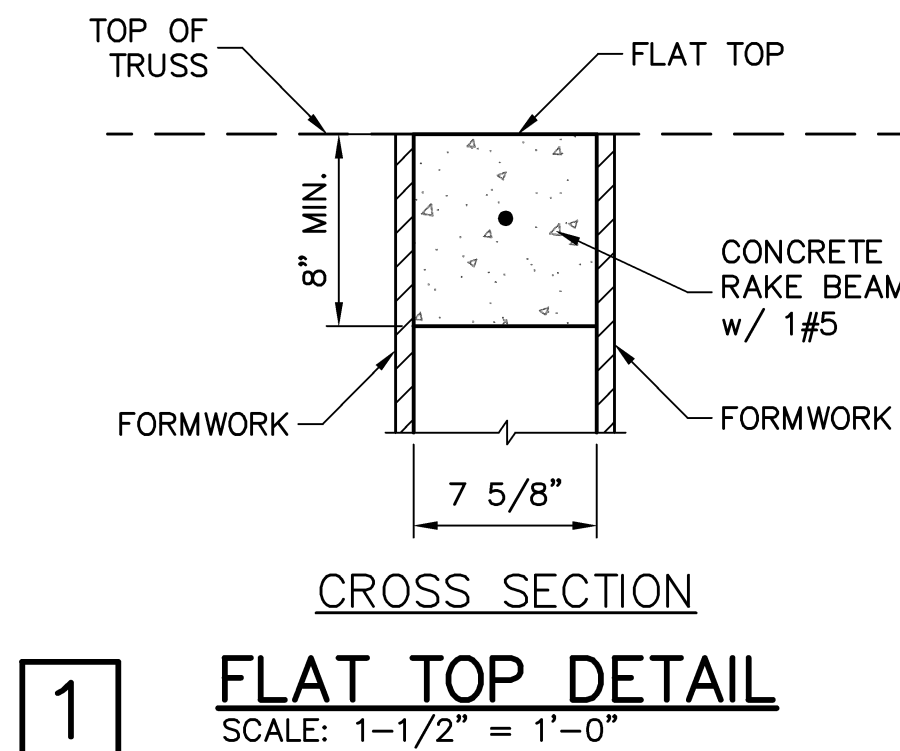
7513, 7521 WEST LENOX CIRCLE
PORT CHARLOTTE, FLORIDA
LOTS: 248-249 SUBDIVISION: WATERFORD

DESIGN/DRAWN DWB/DWB
CHECKED DWB
DATE 03/01/18
SCALE AS NOTED
JOB NO. DR10145
SHEET

S-1

SHEET 1 OF 2

FOR SCOSTA TRUSSES, JOB # 44060, DATED 08/22/11, REVISED: 02/08/18



REVISIONS	BY

STRUCTURAL ENGINEERING:
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BUILDER:

D.R. HOHON
America's Builder

**STRUCTURAL DETAILS FOR
1498 SIGNATURE VILLA**
7513, 7521 WEST LENOX CIRCLE
PORT CHARLOTTE, FLORIDA
LOTS: 248-249 SUBDIVISION: WATERFORD

DESIGN/DRAWN
DWB/DWB
CHECKED
DWB
DATE
03/01/18
SCALE
AS NOTED
JOB NO.
DR10145
SHEET

S-2
SHEET 2 OF 2

FOR SCOSTA TRUSSES, JOB # 44060, DATED 08/22/17, REVISED: 02/08/18