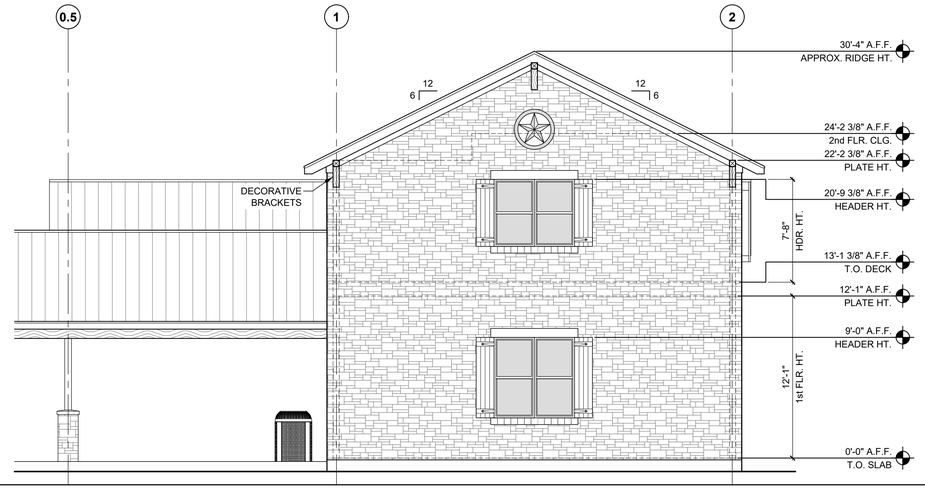
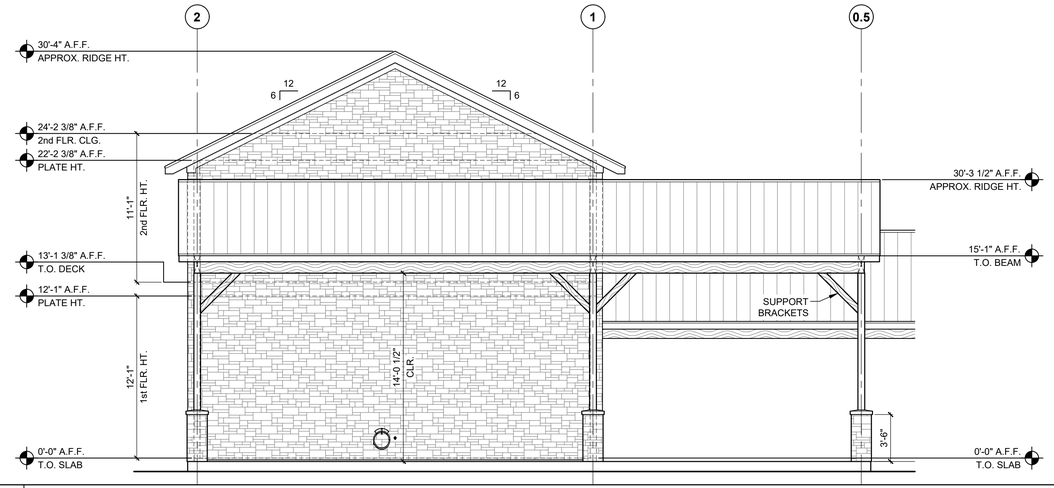


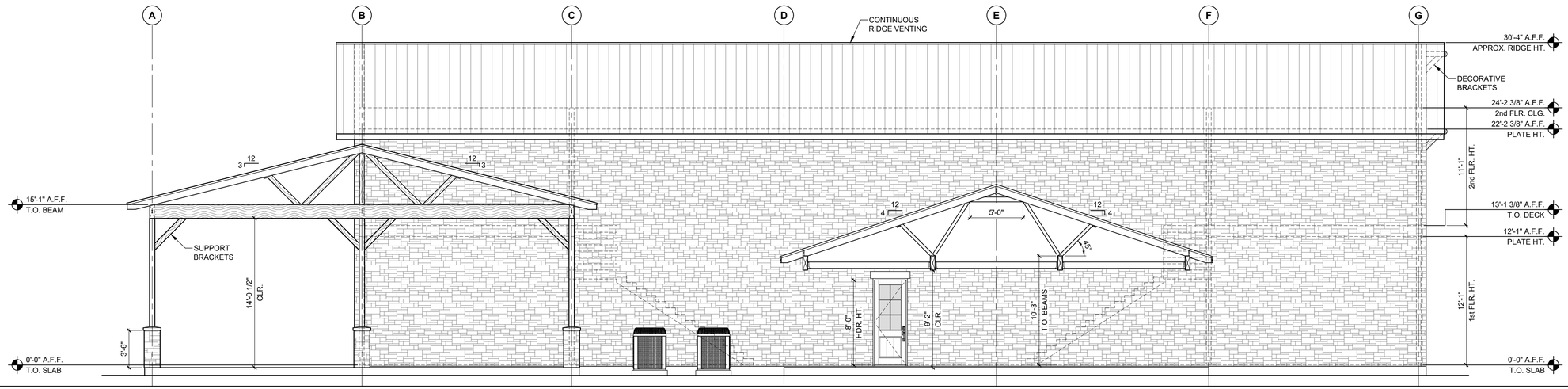
1 GARAGE ELEVATION - FRONT

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



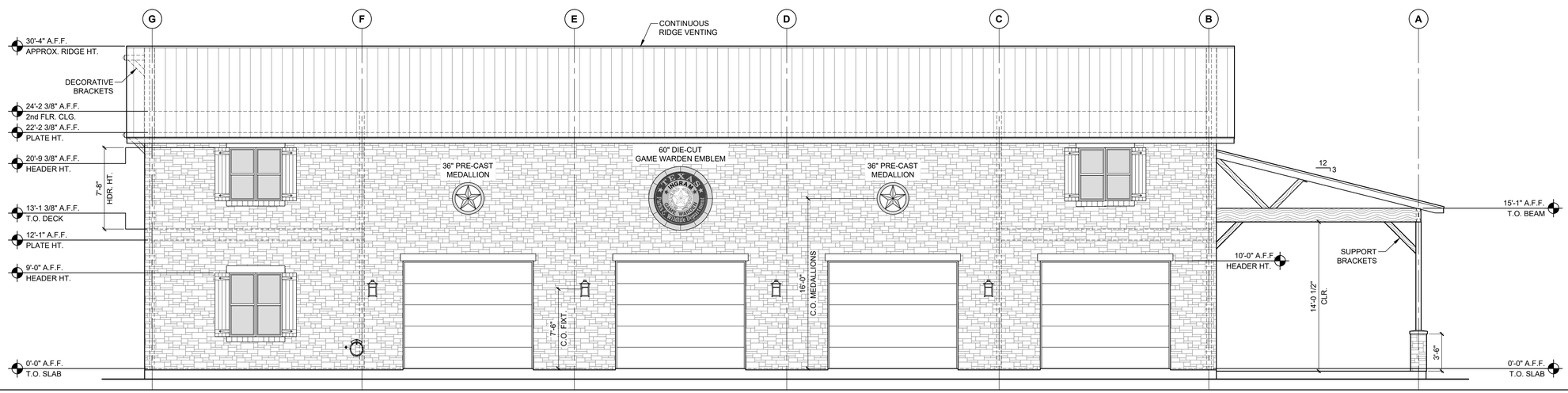
2 GARAGE ELEVATION - BACK

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



3 GARAGE ELEVATION - LEFT

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



4 GARAGE ELEVATION - RIGHT

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

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

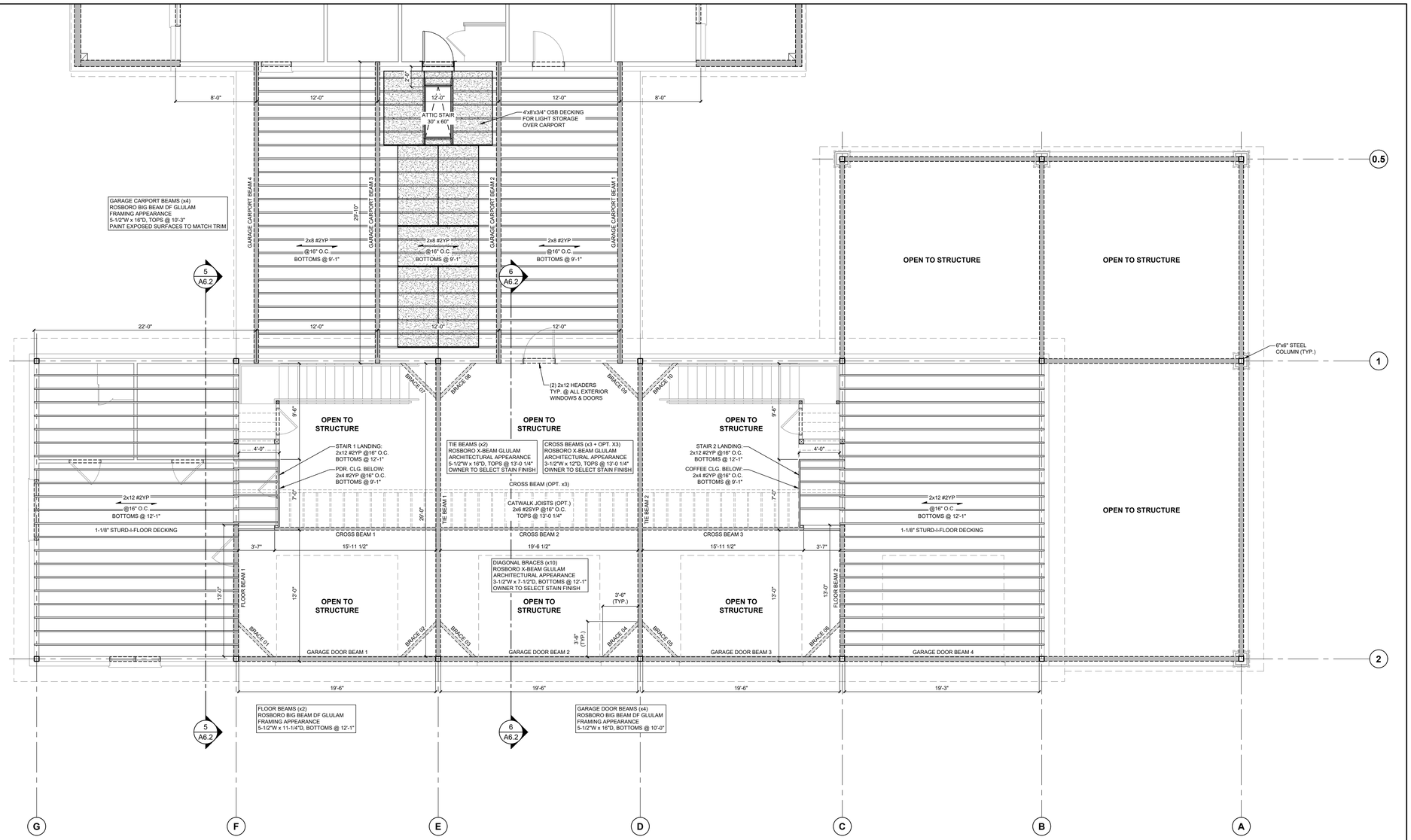
DATE: 08/26/2018	DRAWN BY: SJ
SCALE: 3/16" = 1'-0"	CHECKED: DM

REVISIONS:

03/01/2019	PERMIT SET

EXTERIOR ELEVATIONS
GARAGE

AC2.1



GENERAL FRAMING NOTES:

1. THIS PLAN IS FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL QUANTITIES.
2. ALL METAL AND WOOD FRAMING SHALL BE ASSEMBLED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES.
3. ALL STRAPPING, SECURING, BRACING, AND REINFORCING SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.
4. ALL CONNECTIONS AT PLATES, JOISTS, AND RAFTERS TO BE TIED WITH SIMPSON STRONG TIE OR EQUAL.
5. COORDINATE FRAMING WITH ALL HVAC DUCTS, ELECTRICAL AND PLUMBING REQUIREMENTS.
6. ALL MATERIALS SHALL BE NEW AND FREE OF EXCESSIVE MOISTURE.
7. ALL LUMBER USED FOR FRAMING OF WALLS, CEILINGS AND STRAIGHT PLANES SHALL BE OF GRADE #2 YELLOW PINE MINIMUM.
8. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED.
9. ALL SUBSTITUTIONS SHALL COMPLY WITH CURRENT IBC REGULATIONS REGARDING RESIDENTIAL CONSTRUCTION. ALL SUBSTITIONS SHALL MEET OR EXCEED THESE STANDARDS.
10. CONTRACTOR SHALL CULL ALL UNDESIRABLE LUMBER AS NEEDED AND REPLACE AS REQUIRED.
11. WALL PLATES SHALL HAVE PLATE SEAL FABRIC TO PREVENT DIRECT CONTACT WITH SLAB.
12. ANCHOR EXTERIOR WALL PLATES WITH 1/2"x12" GALVANIZED ANCHOR BOLTS PLACED 8" FROM EACH CORNER AND OPENING, THEN AT 32" OC ALONG ALL EXTERIOR WALLS.
13. INTERIOR PLATES SHALL BE FASTENED USING HILTI ZF 62 P8 2-1/2" CONCRETE NAILS PLACED AT 32" OC FOR ALL LOAD BEARING AND NON-LOAD BEARING WALLS.
14. ALL EXTERIOR WALL HEADERS SHALL BE 2x12 MINIMUM AS REQUIRED.
15. ALL INTERIOR WALL HEADERS IN LOAD BEARING WALLS AND BENEATH SECOND FLOORS SHALL BE 2x12 MINIMUM AS REQUIRED.
16. ALL INTERIOR WALL HEADERS FOR SINGLE FLOOR CONSTRUCTION SHALL BE 2x6 MINIMUM WITH CRIPPLES SPACED IN ACCORDANCE WITH WALLS.
17. EXTERIOR WALLS SHALL RECIEVE 3/4" OSB ON CORNERS FOR WIND BRACING.
18. TURN ALL CROWNS UP AND PROVIDE STIFFBACKS OVER FLAT CEILING AREAS.
19. ALL SPANS FOR ROOF MEMBERS SHALL BE SUPPORTED WITH PURLINS SPACED A MAXIMUM OF 12 FEET FROM CENTER TO CENTER.
20. ALL UNDERLAYMENT AND FLASHING TO BE INSTALLED PER ROOFING MANUFACTURER'S INSTRUCTIONS.

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

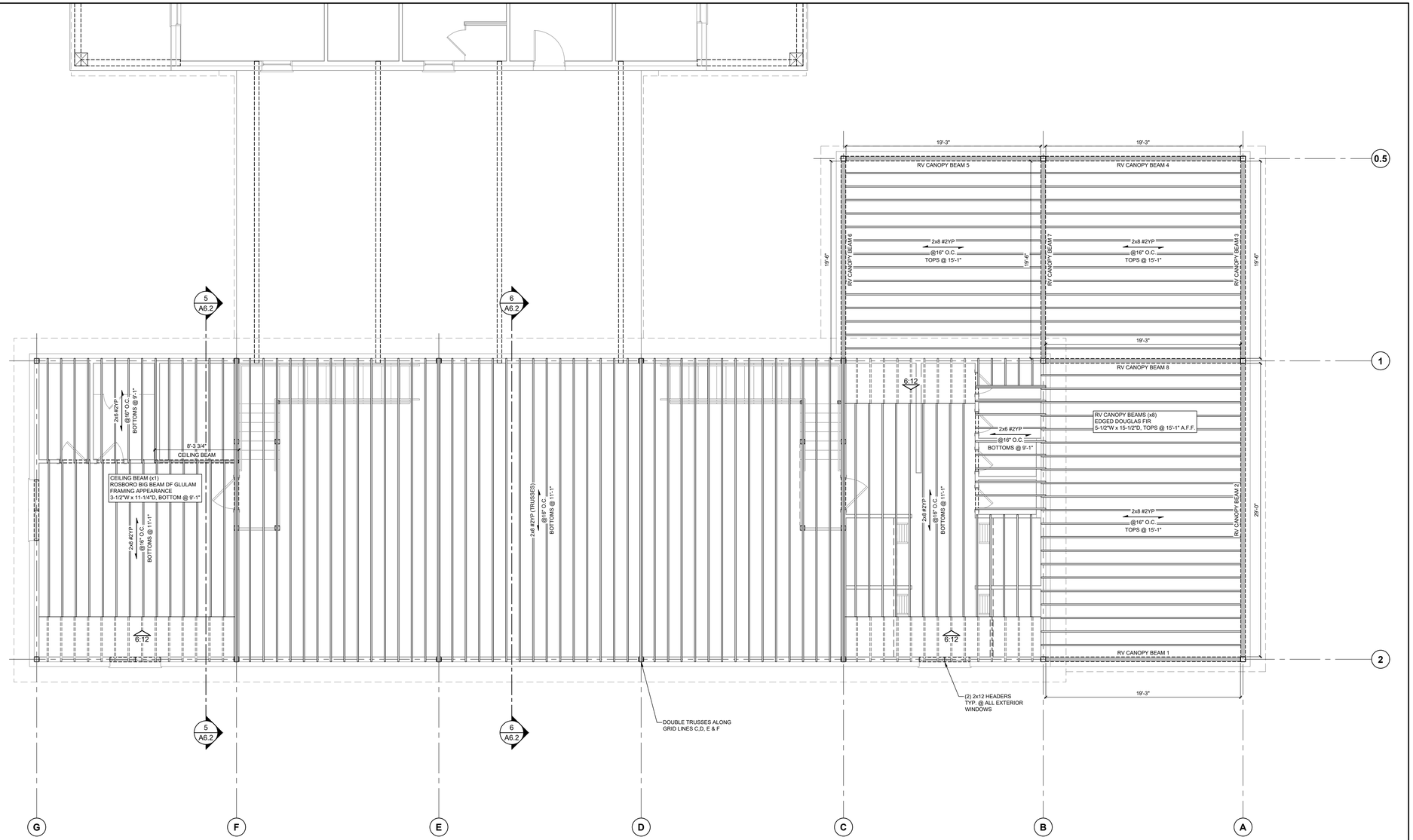
DATE: 08/26/2018	DRAWN BY: SJ
SCALE: 1/8" = 1'-0"	CHECKED: DM

REVISIONS:

03/01/2019	PERMIT SET

GARAGE - 1st FLOOR
CEILING FRAMING PLAN

AC3.1



GENERAL FRAMING NOTES:

1. THIS PLAN IS FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL QUANTITIES.
2. ALL METAL AND WOOD FRAMING SHALL BE ASSEMBLED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES.
3. ALL STRAPPING, SECURING, BRACING, AND REINFORCING SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.
4. ALL CONNECTIONS AT PLATES, JOISTS, AND RAFTERS TO BE TIED WITH SIMPSON STRONG TIE OR EQUAL.
5. COORDINATE FRAMING WITH ALL HVAC DUCTS, ELECTRICAL AND PLUMBING REQUIREMENTS.
6. ALL MATERIALS SHALL BE NEW AND FREE OF EXCESSIVE MOISTURE.
7. ALL LUMBER USED FOR FRAMING OF WALLS, CEILINGS AND STRAIGHT PLANES SHALL BE OF GRADE #2 YELLOW PINE MINIMUM.
8. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED.
9. ALL SUBSTITUTIONS SHALL COMPLY WITH CURRENT IBC REGULATIONS REGARDING RESIDENTIAL CONSTRUCTION. ALL SUBSTITIONS SHALL MEET OR EXCEED THESE STANDARDS.
10. CONTRACTOR SHALL CULL ALL UNDESIRABLE LUMBER AS NEEDED AND REPLACE AS REQUIRED.
11. WALL PLATES SHALL HAVE PLATE SEAL FABRIC TO PREVENT DIRECT CONTACT WITH SLAB.
12. ANCHOR EXTERIOR WALL PLATES WITH 1/2"x12" GALVANIZED ANCHOR BOLTS PLACED 8" FROM EACH CORNER AND OPENING, THEN AT 32" OC ALONG ALL EXTERIOR WALLS.
13. INTERIOR PLATES SHALL BE FASTENED USING HILTI ZF 62 P8 2-1/2" CONCRETE NAILS PLACED AT 32" OC FOR ALL LOAD BEARING AND NON-LOAD BEARING WALLS.
14. ALL EXTERIOR WALL HEADERS SHALL BE 2x12 MINIMUM AS REQUIRED.
15. ALL INTERIOR WALL HEADERS IN LOAD BEARING WALLS AND BENEATH SECOND FLOORS SHALL BE 2x12 MINIMUM AS REQUIRED.
16. ALL INTERIOR WALL HEADERS FOR SINGLE FLOOR CONSTRUCTION SHALL BE 2x6 MINIMUM WITH CRIPPLES SPACED IN ACCORDANCE WITH WALLS.
17. EXTERIOR WALLS SHALL RECIEVE 3/4" OSB ON CORNERS FOR WIND BRACING.
18. TURN ALL CROWNS UP AND PROVIDE STIFFBACKS OVER FLAT CEILING AREAS.
19. ALL SPANS FOR ROOF MEMBERS SHALL BE SUPPORTED WITH PURLINS SPACED A MAXIMUM OF 12 FEET FROM CENTER TO CENTER.
20. ALL UNDERLAYMENT AND FLASHING TO BE INSTALLED PER ROOFING MANUFACTURER'S INSTRUCTIONS.

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

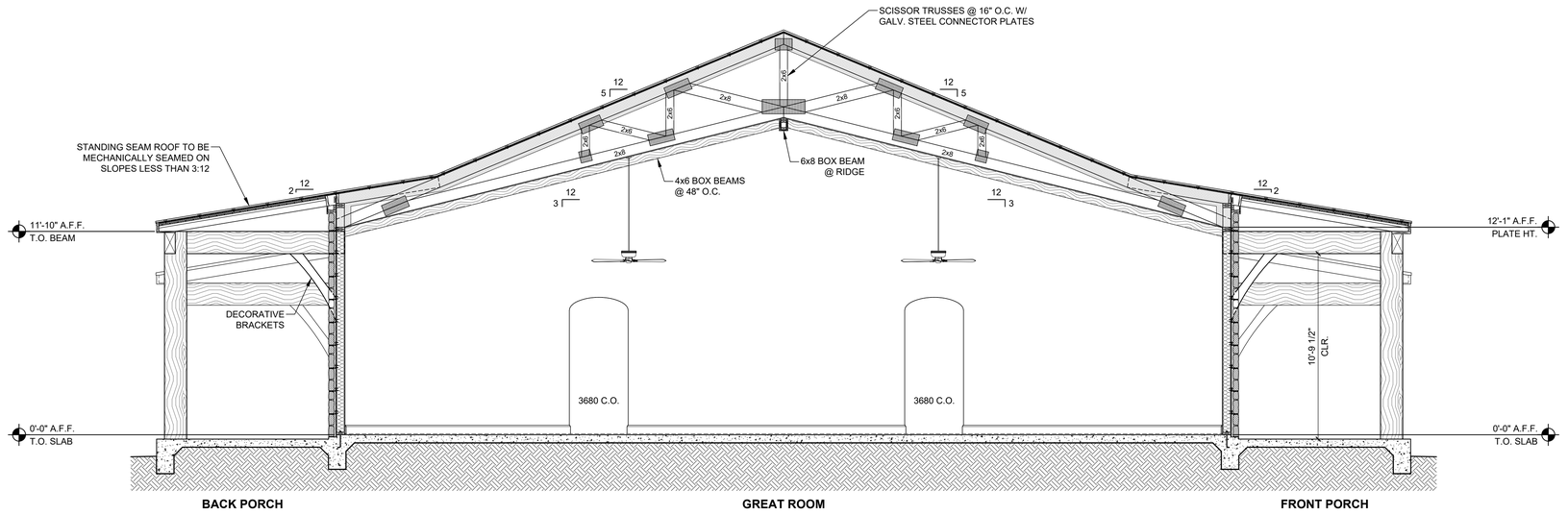
DATE: 08/26/2018	DRAWN BY: SJ
SCALE: 1/8" = 1'-0"	CHECKED: DM

REVISIONS:

03/01/2019	PERMIT SET

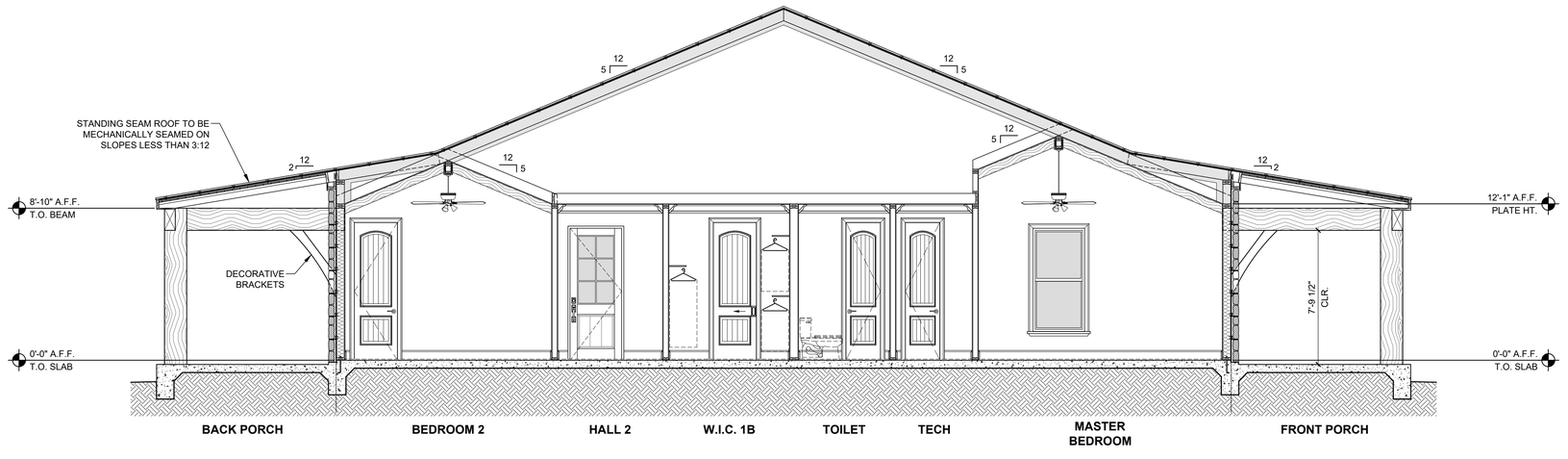
GARAGE - 2nd FLOOR
CEILING FRAMING PLAN

AC3.2



1 CROSS SECTION - MAIN HOUSE

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



2 CROSS SECTION - MAIN HOUSE

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

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

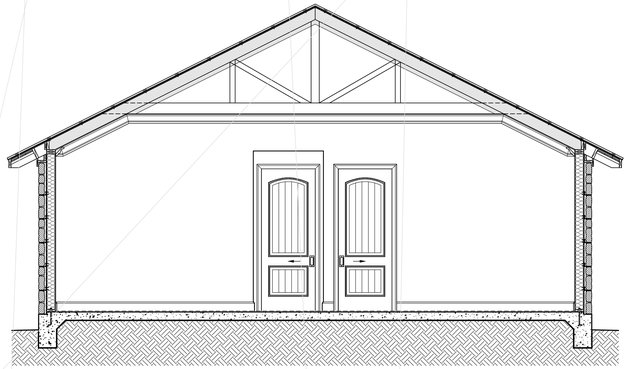
DATE: 08/26/2018	DRAWN BY: SJ
SCALE: AS NOTED	CHECKED: DM

REVISIONS:

03/01/2019	PERMIT SET

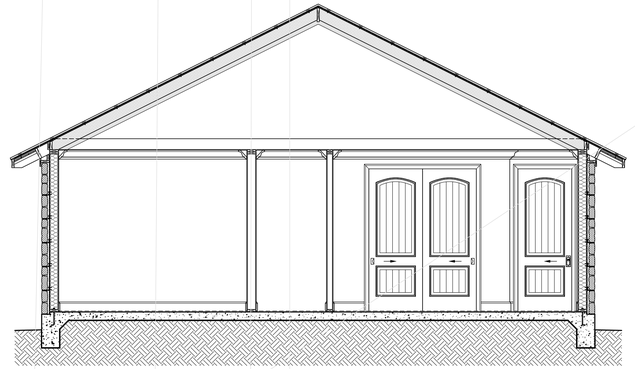
CROSS SECTIONS
MAIN HOUSE

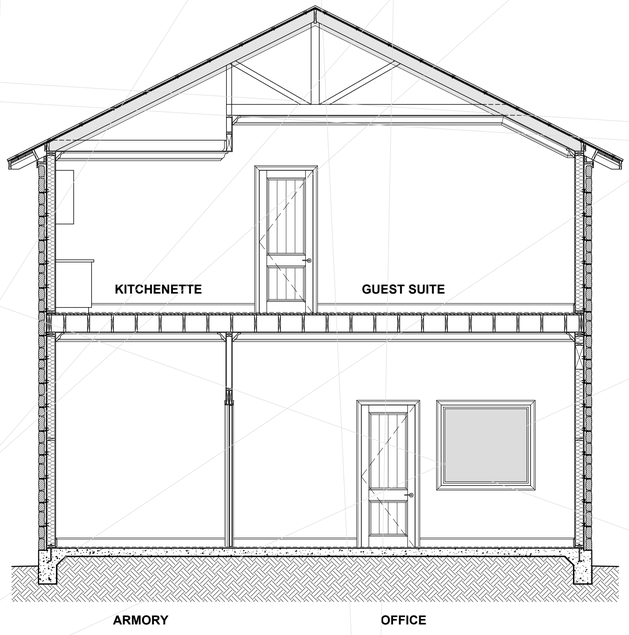
A6.1



3 CROSS SECTION - CASITA

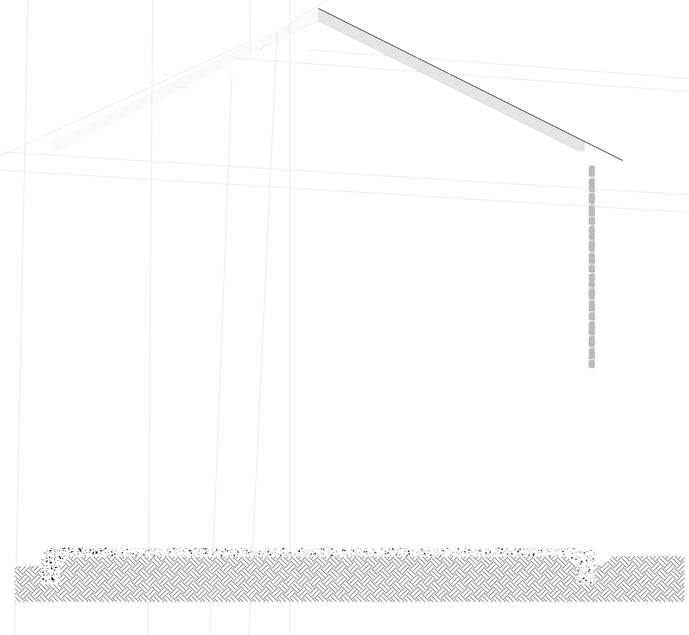
SCALE: 1/4" = 1'-0"

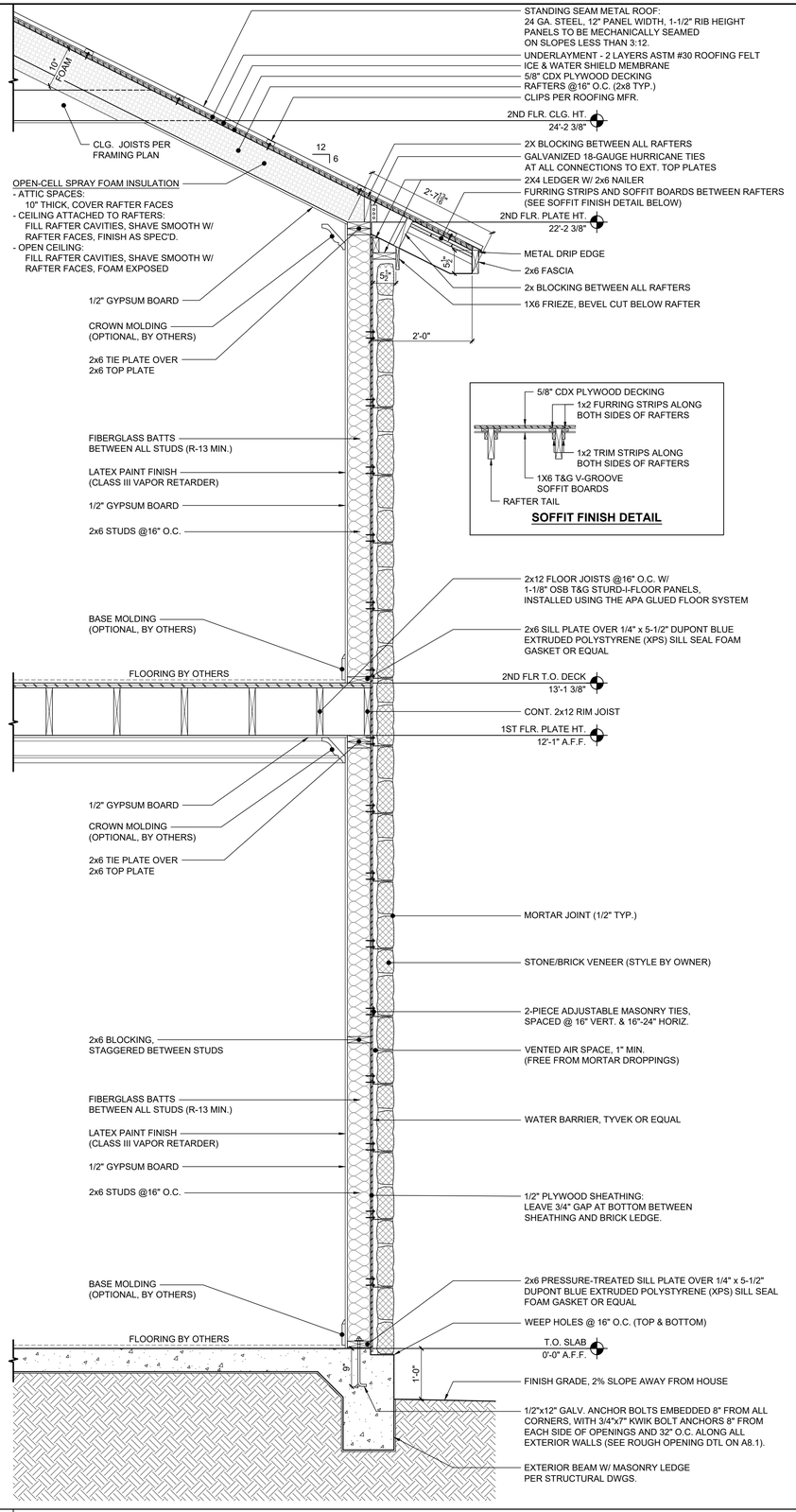


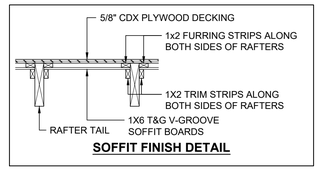


5 CROSS SECTION - GARAGE

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



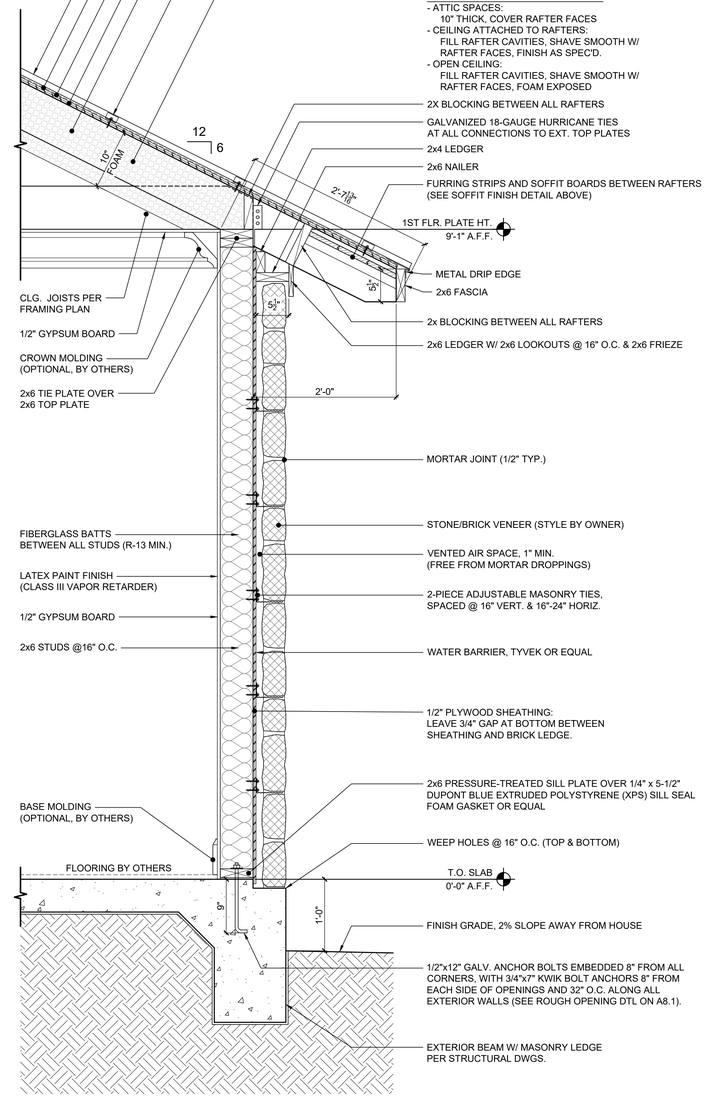




SOFFIT FINISH DETAIL

2 TYPICAL 2-STORY EXTERIOR WALL SECTION

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



1 TYPICAL 1-STORY EXTERIOR WALL SECTION

SCALE: 1" = 1'-0"

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

DATE: 08/26/2018	DRAWN BY: SJ
SCALE: AS NOTED	CHECKED: DM

REVISIONS:

03/01/2019	PERMIT SET

WALL SECTIONS

A7.1

2015 INTERNATIONAL RESIDENTIAL CODE®
TABLE R502.3.1(2)
FLOOR JOIST SPANS FOR COMMON LUMBER SPECIES
(Residential Living Areas, Live Load = 40 psf, L/Δ = 360)[b]

JOIST SPACING (inches)	SPECIES AND GRADE		DEAD LOAD = 10 psf 2x6	2x8	2x10	2x12	DEAD LOAD = 20 psf 2x6	2x8	2x10	2x12
			Maximum floor joist spans							
			(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)
12	Douglas fir-larch	SS	11-4	15-0	19-1	23-3	11-4	15-0	19-1	23-3
	Douglas fir-larch	#1	10-11	14-5	18-5	22-0	10-11	14-2	17-4	20-1
	Douglas fir-larch	#2	10-9	14-2	18-0	20-11	10-8	13-6	16-5	19-1
	Douglas fir-larch	#3	8-11	11-3	13-9	16-0	8-1	10-3	12-7	14-7
	Hem-fir	SS	10-9	14-2	18-0	21-11	10-9	14-2	18-0	21-11
	Hem-fir	#1	10-6	13-10	17-8	21-6	10-6	13-10	17-1	19-10
	Hem-fir	#2	10-0	13-2	16-10	20-4	10-0	13-1	16-0	18-6
	Hem-fir	#3	8-8	11-0	13-5	15-7	7-11	10-0	12-3	14-3
	Southern pine	SS	11-2	14-8	18-9	22-10	11-2	14-8	18-9	22-10
	Southern pine	#1	10-9	14-2	18-0	21-11	10-9	14-2	16-11	20-1
	Southern pine	#2	10-3	13-6	16-2	19-1	9-10	12-6	14-9	17-5
	Southern pine	#3	8-2	10-3	12-6	14-9	7-5	9-5	11-5	13-6
	Spruce-pine-fir	SS	10-6	13-10	17-8	21-6	10-6	13-10	17-8	21-6
	Spruce-pine-fir	#1	10-3	13-6	17-3	20-7	10-3	13-3	16-3	18-10
	Spruce-pine-fir	#2	10-3	13-6	17-3	20-7	10-3	13-3	16-3	18-10
	Spruce-pine-fir	#3	8-8	11-0	13-5	15-7	7-11	10-0	12-3	14-3
16	Douglas fir-larch	SS	10-4	13-7	17-4	21-1	10-4	13-7	17-4	21-1
	Douglas fir-larch	#1	9-11	13-1	16-5	19-1	9-8	12-4	15-0	17-5
	Douglas fir-larch	#2	9-9	12-9	15-7	18-1	9-3	11-8	14-3	16-6
	Douglas fir-larch	#3	7-8	9-9	11-11	13-10	7-0	8-11	10-11	12-7
	Hem-fir	SS	9-9	12-10	16-5	19-11	9-9	12-10	16-5	19-11
	Hem-fir	#1	9-6	12-7	16-0	18-10	9-6	12-2	14-10	17-2
	Hem-fir	#2	9-1	12-0	15-2	17-7	8-11	11-4	13-10	16-1
	Hem-fir	#3	7-6	9-6	11-8	13-6	6-10	8-8	10-7	12-4
	Southern pine	SS	10-2	13-4	17-0	20-9	10-2	13-4	17-0	20-9
	Southern pine	#1	9-9	12-10	16-1	19-1	9-9	12-7	14-8	17-5
	Southern pine	#2	9-4	11-10	14-0	16-6	8-6	10-10	12-10	15-1
	Southern pine	#3	7-1	8-11	10-10	12-10	6-5	8-2	9-10	11-8
	Spruce-pine-fir	SS	9-6	12-7	16-0	19-6	9-6	12-7	16-0	19-6
	Spruce-pine-fir	#1	9-4	12-3	15-5	17-10	9-1	11-6	14-1	16-3
	Spruce-pine-fir	#2	9-4	12-3	15-5	17-10	9-1	11-6	14-1	16-3
	Spruce-pine-fir	#3	7-6	9-6	11-8	13-6	6-10	8-8	10-7	12-4
19.2	Douglas fir-larch	SS	9-8	12-10	16-4	19-10	9-8	12-10	16-4	19-6
	Douglas fir-larch	#1	9-4	12-4	15-0	17-5	8-10	11-3	13-8	15-11
	Douglas fir-larch	#2	9-2	11-8	14-3	16-6	8-5	10-8	13-0	15-1
	Douglas fir-larch	#3	7-0	8-11	10-11	12-7	6-5	8-2	9-11	11-6
	Hem-fir	SS	9-2	12-1	15-5	18-9	9-2	12-1	15-5	18-9
	Hem-fir	#1	9-0	11-10	14-10	17-2	8-9	11-1	13-6	15-8
	Hem-fir	#2	8-7	11-3	13-10	16-1	8-2	10-4	12-8	14-8
	Hem-fir	#3	6-10	8-8	10-7	12-4	6-3	7-11	9-8	11-3
	Southern pine	SS	9-6	12-7	16-0	19-6	9-6	12-7	16-0	19-6
	Southern pine	#1	9-2	12-1	14-8	17-5	9-0	11-5	13-5	15-11
	Southern pine	#2	8-6	10-10	12-10	15-1	7-9	9-10	11-8	13-9
	Southern pine	#3	6-5	8-2	9-10	11-8	5-11	7-5	9-0	10-8
	Spruce-pine-fir	SS	9-0	11-10	15-1	18-4	9-0	11-10	15-1	17-9
	Spruce-pine-fir	#1	8-9	11-6	14-1	16-3	8-3	10-6	12-10	14-10
	Spruce-pine-fir	#2	8-9	11-6	14-1	16-3	8-3	10-6	12-10	14-10
	Spruce-pine-fir	#3	6-10	8-8	10-7	12-4	6-3	7-11	9-8	11-3
24	Douglas fir-larch	SS	9-0	11-11	15-2	18-5	9-0	11-11	15-0	17-5
	Douglas fir-larch	#1	8-8	11-0	13-5	15-7	7-11	10-0	12-3	14-3
	Douglas fir-larch	#2	8-3	10-5	12-9	14-9	7-6	9-6	11-8	13-6
	Douglas fir-larch	#3	6-3	8-0	9-9	11-3	5-9	7-3	8-11	10-4
	Hem-fir	SS	8-6	11-3	14-4	17-5	8-6	11-3	14-4	16-10[a]
	Hem-fir	#1	8-4	10-10	13-3	15-5	7-10	9-11	12-1	14-0
	Hem-fir	#2	7-11	10-2	12-5	14-4	7-4	9-3	11-4	13-1
	Hem-fir	#3	6-2	7-9	9-6	11-0	5-7	7-1	8-8	10-1
	Southern pine	SS	8-10	11-8	14-11	18-1	8-10	11-8	14-11	18-0
	Southern pine	#1	8-6	11-3	13-1	15-7	8-1	10-3	12-0	14-3
	Southern pine	#2	7-7	9-8	11-5	13-6	7-0	8-10	10-5	12-4
	Southern pine	#3	5-9	7-3	8-10	10-5	5-3	6-8	8-1	9-6
	Spruce-pine-fir	SS	8-4	11-0	14-0	17-0	8-4	11-0	13-8	15-11
	Spruce-pine-fir	#1	8-1	10-3	12-7	14-7	7-5	9-5	11-6	13-4
	Spruce-pine-fir	#2	8-1	10-3	12-7	14-7	7-5	9-5	11-6	13-4
	Spruce-pine-fir	#3	6-2	7-9	9-6	11-0	5-7	7-1	8-8	10-1

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa.
NOTE: Check sources for availability of lumber in lengths greater than 20 feet.
a. End bearing length shall be increased to 2 inches.
b. Dead load limits for townhouses in Seismic Design Category C and all structures in Seismic Design Categories D_0, D_1 and D_2 shall be determined in accordance with Section R301.2.2.2.1.

2015 INTERNATIONAL RESIDENTIAL CODE®
TABLE R802.4(2)
CEILING JOIST SPANS FOR COMMON LUMBER SPECIES
(Uninhabitable Attics With Limited Storage, Live Load = 20 psf, L/Δ = 240)

CEILING JOIST SPACING (inches)	SPECIES AND GRADE		DEAD LOAD = 10 psf 2x4	2x6	2x8	2x10
			Maximum ceiling joist spans			
			(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)
12	Douglas fir-larch	SS	10-5	16-4	21-7	Note a
	Douglas fir-larch	#1	10-0	15-9	20-1	24-6
	Douglas fir-larch	#2	9-10	15-0	19-1	23-3
	Douglas fir-larch	#3	7-10	11-6	14-7	17-9
	Hem-fir	SS	9-10	15-6	20-5	Note a
	Hem-fir	#1	9-8	15-2	19-10	24-3
	Hem-fir	#2	9-2	14-5	18-6	22-7
	Hem-fir	#3	7-8	11-2	14-2	17-4
	Southern pine	SS	10-3	16-1	21-2	Note a
	Southern pine	#1	9-10	15-6	20-5	24-0
	Southern pine	#2	9-3	13-11	17-7	20-11
	Southern pine	#3	7-2	10-6	13-3	16-1
	Spruce-pine-fir	SS	9-8	15-2	19-11	25-5
	Spruce-pine-fir	#1	9-5	14-9	18-9	22-11
	Spruce-pine-fir	#2	9-5	14-9	18-9	22-11
	Spruce-pine-fir	#3	7-8	11-2	14-2	17-4
16	Douglas fir-larch	SS	9-6	14-11	19-7	25-0
	Douglas fir-larch	#1	9-1	13-9	17-5	21-3
	Douglas fir-larch	#2	8-11	13-0	16-6	20-2
	Douglas fir-larch	#3	6-10	9-11	12-7	15-5
	Hem-fir	SS	8-11	14-1	18-6	23-8
	Hem-fir	#1	8-9	13-7	17-2	21-0
	Hem-fir	#2	8-4	12-8	16-0	19-7
	Hem-fir	#3	6-8	9-8	12-4	15-0
	Southern pine	SS	9-4	14-7	19-3	24-7
	Southern pine	#1	8-11	14-0	17-9	20-9
	Southern pine	#2	8-0	12-0	15-3	18-1
	Southern pine	#3	6-2	9-2	11-6	14-0
	Spruce-pine-fir	SS	8-9	13-9	18-1	23-1
	Spruce-pine-fir	#1	8-7	12-10	16-3	19-10
	Spruce-pine-fir	#2	8-7	12-10	16-3	19-10
	Spruce-pine-fir	#3	6-8	9-8	12-4	15-0
19.2	Douglas fir-larch	SS	8-11	14-0	18-5	23-7
	Douglas fir-larch	#1	8-7	12-6	15-10	19-5
	Douglas fir-larch	#2	8-2	11-11	15-1	18-5
	Douglas fir-larch	#3	6-2	9-1	11-6	14-1
	Hem-fir	SS	8-5	13-3	17-5	22-3
	Hem-fir	#1	8-3	12-4	15-8	19-2
	Hem-fir	#2	7-10	11-7	14-8	17-10
	Hem-fir	#3	6-1	8-10	11-3	13-8
	Southern pine	SS	8-9	13-9	18-2	23-1
	Southern pine	#1	8-5	12-9	16-2	18-11
	Southern pine	#2	7-4	11-0	13-11	16-6
	Southern pine	#3	5-8	8-4	10-6	12-9
	Spruce-pine-fir	SS	8-3	12-11	17-1	21-8
	Spruce-pine-fir	#1	8-0	11-9	14-10	18-2
	Spruce-pine-fir	#2	8-0	11-9	14-10	18-2
	Spruce-pine-fir	#3	6-1	8-10	11-3	13-8
24	Douglas fir-larch	SS	8-3	13-0	17-2	21-3
	Douglas fir-larch	#1	7-8	11-2	14-2	17-4
	Douglas fir-larch	#2	7-3	10-8	13-6	16-5
	Douglas fir-larch	#3	5-7	8-1	10-3	12-7
	Hem-fir	SS	7-10	12-3	16-2	20-6
	Hem-fir	#1	7-7	11-1	14-0	17-1
	Hem-fir	#2	7-1	10-4	13-1	16-0
	Hem-fir	#3	5-5	7-11	10-0	12-3
	Southern pine	SS	8-1	12-9	16-10	21-6
	Southern pine	#1	7-8	11-5	14-6	16-11
	Southern pine	#2	6-7	9-10	12-6	14-9
	Southern pine	#3	5-1	7-5	9-5	11-5
	Spruce-pine-fir	SS	7-8	12-0	15-10	19-5
	Spruce-pine-fir	#1	7-2	10-6	13-3	16-3
	Spruce-pine-fir	#2	7-2	10-6	13-3	16-3
	Spruce-pine-fir	#3	5-5	7-11	10-0	12-3

Check sources for availability of lumber in lengths greater than 20 feet.
For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa.
a. Span exceeds 26 feet in length.

2015 INTERNATIONAL RESIDENTIAL CODE®
TABLE R802.5.1(2)
RAFTER SPANS FOR COMMON LUMBER SPECIES
(Roof Live Load = 20 psf, Ceiling Attached to Rafters, L/Δ = 240)

RAFTER SPACING (inches)	SPECIES AND GRADE		DEAD LOAD = 10 psf 2x4	2x6	2x8	2x10	2x12	DEAD LOAD = 20 psf 2x4	2x6	2x8	2x10	2x12
			Maximum rafter spans[a]									
			(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)
12	Douglas fir-larch	SS	10-5	16-4	21-7	Note b	Note b	10-5	16-4	21-7	Note b	Note b
	Douglas fir-larch	#1	10-0	15-9	20-10	Note b	Note b	10-0	15-4	19-5	23-9	Note b
	Douglas fir-larch	#2	9-10	15-6	20-5	26-0	Note b	9-10	14-7	18-5	22-6	26-0
	Douglas fir-larch	#3	8-9	12-10	16-3	19-10	23-0	7-7	11-1	14-1	17-2	19-11
	Hem-fir	SS	9-10	15-6	20-5	Note b	Note b	9-10	15-6	20-5	Note b	Note b
	Hem-fir	#1	9-8	15-2	19-11	25-5	Note b	9-8	15-2	19-2	23-5	Note b
	Hem-fir	#2	9-2	14-5	19-0	24-3	Note b	9-2	14-2	17-11	21-11	25-5
	Hem-fir	#3	8-7	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6
	Southern pine	SS	10-3	16-1	21-2	Note b	Note b	10-3	16-1	21-2	Note b	Note b
	Southern pine	#1	9-10	15-6	20-5	Note b	Note b	9-10	15-6	19-10	23-2	Note b
	Southern pine	#2	9-5	14-9	19-6	23-5	Note b	9-0	13-6	17-1	20-3	23-10
	Southern pine	#3	8-0	11-9	14-10	18-0	21-4	6-11	10-2	12-10	15-7	18-6
	Spruce-pine-fir	SS	9-8	15-2	19-11	25-5	Note b	9-8	15-2	19-11	25-5	Note b
	Spruce-pine-fir	#1	9-5	14-9	19-6	24-10	Note b	9-5	14-4	18-2	22-3	25-9
	Spruce-pine-fir	#2	9-5	14-9	19-6	24-10	Note b	9-5	14-4	18-2	22-3	25-9
	Spruce-pine-fir	#3	8-7	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6
16	Douglas fir-larch	SS	9-6	14-11	19-7	25-0	Note b	9-6	14-11	19-7	25-0	Note b
	Douglas fir-larch	#1	9-1	14-4	18-11	23-9	Note b	9-1	13-3	16-10	20-7	23-10
	Douglas fir-larch	#2	8-11	14-1	18-2	22-3	25-9	8-6	12-5	15-9	19-3	22-4
	Douglas fir-larch	#3	7-7	11-1	14-1	17-2	19-11	6-7	9-8	12-2	14-11	17-3
	Hem-fir	SS	8-11	14-1	18-6	23-8	Note b	8-11	14-1	18-6	23-8	Note b
	Hem-fir	#1	8-9	13-9	18-1	23-1	Note b	8-9	13-1	16-7	20-4	23-7
	Hem-fir	#2	8-4	13-1	17-3	21-11	25-5	8-4	12-3	15-6	18-11	22-0
	Hem-fir	#3	7-5	10-10	13-9	16-9	19-6	6-5	9-5	11-11	14-6	16-10
	Southern pine	SS	9-4	14-7	19-3	24-7	Note b	9-4	14-7	19-3	24-7	Note b
	Southern pine	#1	8-11	14-1	18-6	23-2	Note b	8-11	13-7	17-2	20-1	23-10
	Southern pine	#2	8-7	13-5	17-1	20-3	23-10	7-9	11-8	14-9	17-6	20-8
	Southern pine	#3	6-11	10-2	12-10	15-7	18-6	6-0	8-10	11-2	13-6	16-0
	Spruce-pine-fir	SS	8-9	13-9	18-1	23-1	Note b	8-9	13-9	18-1	23-0	Note b
	Spruce-pine-fir	#1	8-7	13-5	17-9	22-3	25-9	8-6	12-5	15-9	19-3	22-4
	Spruce-pine-fir	#2	8-7	13-5	17-9	22-3	25-9	8-6	12-5	15-9	19-3	22-4
	Spruce-pine-fir	#3	7-5	10-10	13-9	16-9	19-6	6-5	9-5	11-11	14-6	16-10
19.2	Douglas fir-larch	SS	8-11	14-0	18-5	23-7	Note b	8-11	14-0	18-5	23-0	Note b
	Douglas fir-larch	#1	8-7	13-6	17-9	21-8	25-2	8-4	12-2	15-4	18-9	21-9
	Douglas fir-larch	#2	8-5	13-3	16-10	20-7	23-10	7-10	11-6	14-7	17-10	20-8
	Douglas fir-larch	#3	6-11	10-2	12-10	15-8	18-3	6-0	8-9	11-2	13-7	15-9
	Hem-fir	SS	8-5	13-3	17-5	22-3	Note b	8-5	13-3	17-5	22-3	25-9
	Hem-fir	#1	8-3	12-11	17-1	21-5	24-10	8-2	12-0	15-2	18-6	21-6
	Hem-fir	#2	7-10	12-4	16-3	20-0	23-2	7-8	11-2	14-2	17-4	20-1
	Hem-fir	#3	6-9	9-11	12-7	15-4	17-9	5-10	8-7	10-10	13-3	15-5
	Southern pine	SS	8-9	13-9	18-2	23-1	Note b	8-9	13-9	18-2	23-1	Note b
	Southern pine	#1	8-5	13-3	17-5	21-2	25-2	8-4	12-4	15-8	18-4	21-9
	Southern pine	#2	8-1	12-3	15-7	18-6	21-9	7-1	10-8	13-6	16-0	18-10
	Southern pine	#3	6-4	9-4	11-9	14-3	16-10	5-6	8-1	10-2	12-4	14-7
	Spruce-pine-fir	SS	8-3	12-11	17-1	21-9	Note b	8-3	12-11	17-1	21-0	24-4
	Spruce-pine-fir	#1	8-1	12-8	16-7	20-3	23-6	7-9	11-4	14-4	17-7	20-4
	Spruce-pine-fir	#2	8-1	12-8	16-7	20-3	23-6	7-9	11-4	14-4	17-7	20-4
	Spruce-pine-fir	#3	6-9	9-11	12-7	15-4	17-9	5-10	8-7	10-10	13-3	15-5
24	Douglas fir-larch	SS	8-3	13-0	17-2	21-10	Note b	8-3	13-0	16-10	20-7	23-10
	Douglas fir-larch	#1	8-0	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6
	Douglas fir-larch	#2	7-10	11-11	15-1	18-5	21-4	7-0	10-4	13-0	15-11	18-6
	Douglas fir-larch	#3	6-2	9-1	11-6	14-1	16-3	5-4	7-10	10-0	12-2	14-1
	Hem-fir	SS	7-10	12-3	16-2	20-8	25-1	7-10	12-3	16-2	19-10	23-0
	Hem-fir	#1	7-8	12-0	15-8	19-2	22-2	7-4	10-9	13-7	16-7	19-3
	Hem-fir	#2	7-3	11-5	14-8	17-10	20-9	6-10	10-0	12-8	15-6	17-11
	Hem-fir	#3	6-1	8-10	11-3	13-8	15-11	5-3	7-8	9-9	11-10	13-9
	Southern pine	SS	8-1	12-9	16-10	21-6	Note b	8-1	12-9	16-10	20-10	24-8
	Southern pine	#1	7-10	12-3	16-2	18-11	22-6	7-5	11-1	14-0	16-5	19-6
	Southern pine	#2	7-4	11-0	13-11	16-6	19-6	6-4	9-6	12-1	14-4	16-10
	Southern pine	#3	5-8	8-4	10-6	12-9	15-1	4-11	7-3	9-1	11-0	13-1
	Spruce-pine-fir	SS	7-8	12-0	15-10	20-2	24-7	7-8	12-0	15-4	18-9	21-9
	Spruce-pine-fir	#1	7-6	11-9	14-10	18-2	21-0	6-11	10-2	12-10	15-8	18-3
	Spruce-pine-fir	#2	7-6	11-9	14-10	18-2	21-0	6-11	10-2	12-10	15-8	18-3
	Spruce-pine-fir	#3	6-1	8-10	11-3	13-8	15-11	5-3	7-8	9-9	11-10	13-9

Check sources for availability of lumber in lengths greater than 20 feet.
For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa.
a. The tabulated rafter spans assume that ceiling joists are located at the bottom of the attic space or that some other method of resisting the outward push of the rafters on the bearing walls, such as rafter ties, is provided at that location. When ceiling joists or rafter ties are located higher in the attic space, the rafter spans shall be multiplied by the factors given below:

H_C/H_R	Rafter Span Adjustment Factor
1/3	0.67
1/4	0.76
1/5	0.83
1/6	0.90
1/7.5 or less	1.00

where:
H_C= Height of ceiling joists or rafter ties measured vertically above the top of the rafter support walls.
H_R= Height of roof ridge measured vertically above the top of the rafter support walls.
b. Span exceeds 26 feet in length.

2015 INTERNATIONAL RESIDENTIAL CODE

R402.4 AIR LEAKAGE (MANDATORY).
THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS R402.4.1 THROUGH R402.4.4.

R402.4.1 BUILDING THERMAL ENVELOPE.
THE BUILDING THERMAL ENVELOPE SHALL COMPLY WITH SECTIONS R402.4.1.1 AND R402.4.1.2. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION.

R402.4.1.1 INSTALLATION.
THE COMPONENTS OF THE BUILDING THERMAL ENVELOPE AS LISTED IN TABLE R402.4.1.1 SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND THE CRITERIA LISTED IN TABLE R402.4.1.1, AS APPLICABLE TO THE METHOD OF ONSTRUCTION. WHERE REQUIRED BY THE CODE OFFICIAL, AN APPROVED THIRD PARTY SHALL INSPECT ALL COMPONENTS AND VERIFY COMPLIANCE.

R402.4.1.2 TESTING.
THE BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE NOT EXCEEDING FIVE AIR CHANGES PER HOUR IN CLIMATE ZONES 1 AND 2, AND THREE AIR CHANGES PER HOUR IN CLIMATE ZONES 3 THROUGH 8. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E 779 OR ASTM E 1827 AND REPORTED AT A PRESSURE OF 0.2 INCH W.G. (50 PASCALS). WHERE REQUIRED BY THE CODE OFFICIAL, TESTING SHALL BE CONDUCTED BY AN APPROVED THIRD PARTY. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL. TESTING SHALL BE PERFORMED AT ANY TIME AFTER CREATION OF ALL PENETRATIONS OF THE BUILDING THERMAL ENVELOPE.

DURING TESTING:
1. EXTERIOR WINDOWS AND DOORS, FIREPLACE AND STOVE DOORS SHALL BE CLOSED, BUT NOT SEALED, BEYOND THE INTENDED WEATHERSTRIPPING OR OTHER INFILTRATION CONTROL MEASURES.
2. DAMPERS INCLUDING EXHAUST, INTAKE, MAKEUP AIR, BACKDRAFT AND FLUE DAMPERS SHALL BE CLOSED, BUT NOT SEALED BEYOND INTENDED INFILTRATION CONTROL MEASURES.
3. INTERIOR DOORS, IF INSTALLED AT THE TIME OF THE TEST, SHALL BE OPEN EXTERIOR DOORS FOR CONTINUOUS VENTILATION SYSTEMS AND HEAT RECOVERY VENTILATORS SHALL BE CLOSED AND SEALED.
4. HEATING AND COOLING SYSTEMS, IF INSTALLED AT THE TIME OF THE TEST, SHALL BE TURNED OFF.
5. SUPPLY AND RETURN REGISTERS, IF INSTALLED AT THE TIME OF THE TEST, SHALL BE FULLY OPEN.

R402.4.2 FIREPLACES.
NEW WOOD-BURNING FIREPLACES SHALL HAVE TIGHT-FITTING FLUE DAMPERS OR DOORS, AND OUTDOOR COMBUSTION AIR. WHERE USING TIGHT-FITTING DOORS ON FACTORY-BUILT FIREPLACES LISTED AND LABELED IN ACCORDANCE WITH UL 127, THE DOORS SHALL BE TESTED AND LISTED FOR THE FIREPLACE. WHERE USING TIGHT-FITTING DOORS ON MASONRY FIREPLACES, THE DOORS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 907.

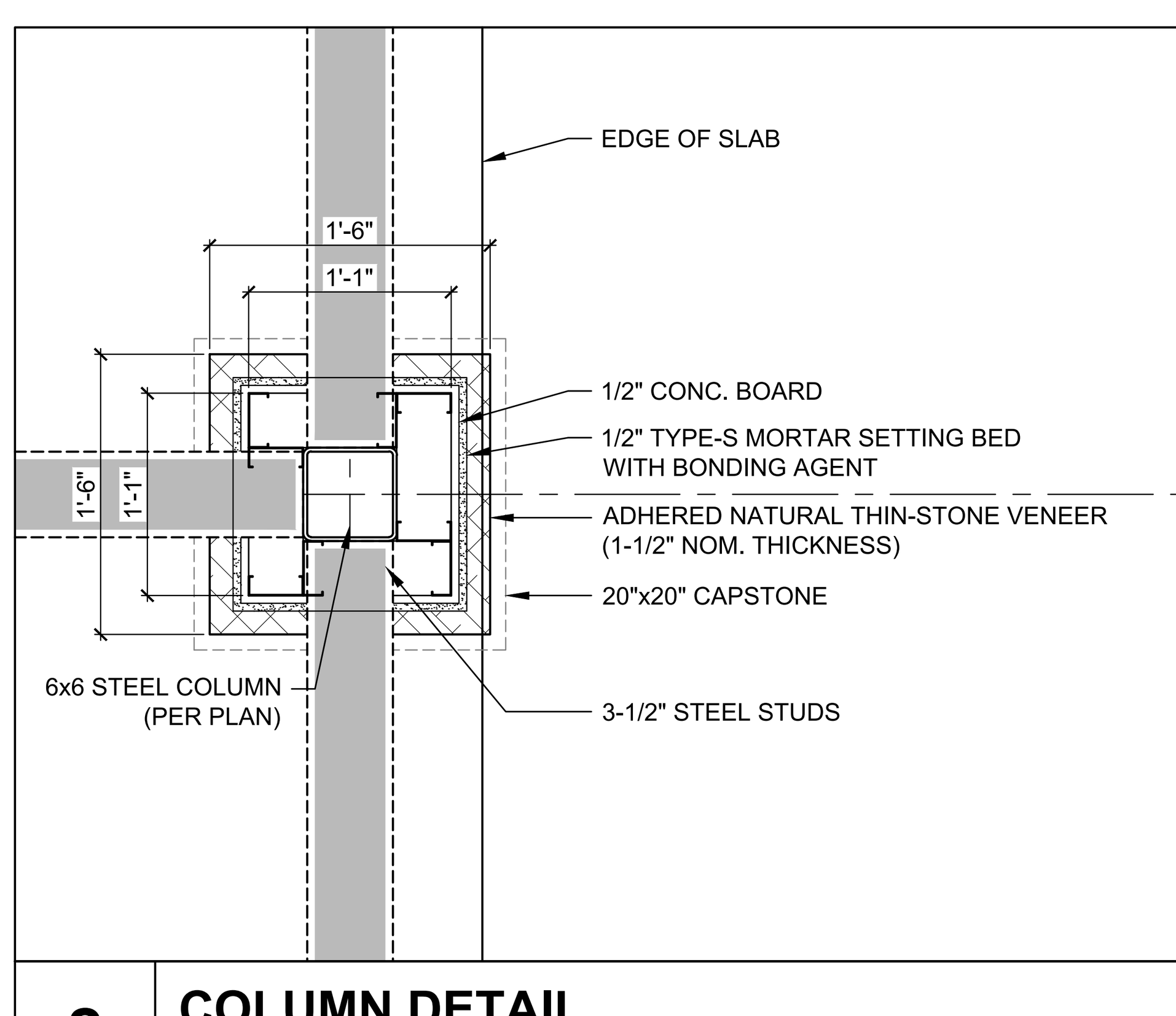
R402.4.3 FENESTRATION AIR LEAKAGE.
WINDOWS, SKYLIGHTS AND SLIDING GLASS DOORS SHALL HAVE AN AIR INFILTRATION RATE OF NO MORE THAN 0.3 CFM PER SQUARE FOOT (1.5 L/S/M2), AND SWINGING DOORS NO MORE THAN 0.5 CFM PER SQUARE FOOT (2.6 L/S/M2), WHEN TESTED ACCORDING TO NFRC 400 OR AAMA/ WDMA/CSA 101/I.S.2/A440 BY AN ACCREDITED, INDEPENDENT LABORATORY AND LISTED AND LABELED BY THE MANUFACTURER.

EXCEPTION: SITE-BUILT WINDOWS, SKYLIGHTS AND DOORS.

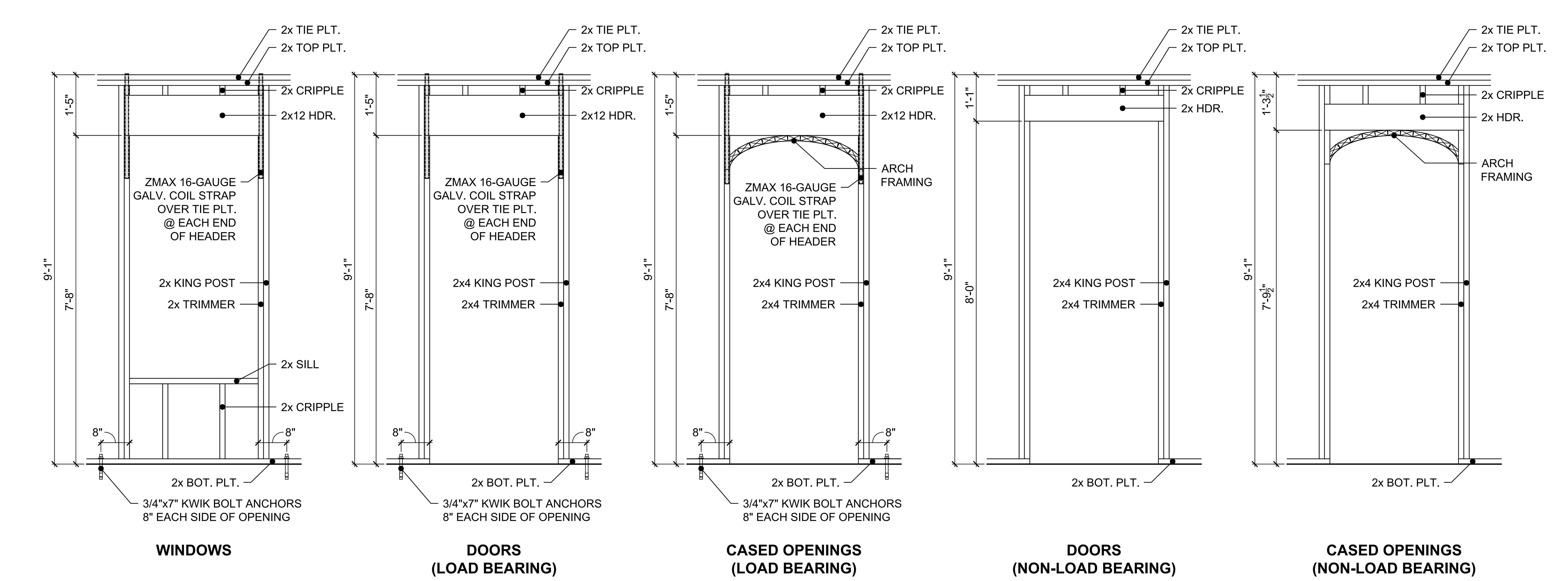
R402.4.4 ROOMS CONTAINING FUEL-BURNING APPLIANCES.
IN CLIMATE ZONES 3 THROUGH 8, WHERE OPEN COMBUSTION AIR DUCTS PROVIDE COMBUSTION AIR TO OPEN COMBUSTION FUEL BURNING APPLIANCES, THE APPLIANCES AND COMBUSTION AIR OPENING SHALL BE LOCATED OUTSIDE THE BUILDING THERMAL ENVELOPE OR ENCLOSED IN A ROOM, ISOLATED FROM INSIDE THE THERMAL ENVELOPE. SUCH ROOMS SHALL BE SEALED AND INSULATED IN ACCORDANCE WITH THE ENVELOPE REQUIREMENTS OF TABLE R402.1.2, WHERE THE WALLS, FLOORS AND CEILINGS SHALL MEET NOT LESS THAN THE EASEMENT WALL R-VALUE REQUIREMENT. THE DOOR INTO THE ROOM SHALL BE FULLY GASKETED AND ANY WATER LINES AND DUCTS IN THE ROOM INSULATED IN ACCORDANCE WITH SECTION R403. THE COMBUSTION AIR DUCT SHALL BE INSULATED WHERE IT PASSES THROUGH CONDITIONED SPACE TO A MINIMUM OF R-8.

EXCEPTIONS:
1. DIRECT VENT APPLIANCES WITH BOTH INTAKE AND EXHAUST PIPES INSTALLED CONTINUOUS TO THE OUTSIDE.
2. FIREPLACES AND STOVES COMPLYING WITH SECTION R402.4.2 AND SECTION R1006 OF THE INTERNATIONAL RESIDENTIAL CODE.

R402.4.5 RECESSED LIGHTING.
RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINAIRES SHALL BE IC-RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE NOT MORE THAN 2.0 CFM (0.944 L/S) WHEN TESTED IN ACCORDANCE WITH ASTM E 283 AT A 1.57 PSF (75 PA) PRESSURE DIFFERENTIAL. ALL RECESSED LUMINAIRES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING.



2 COLUMN DETAIL
SCALE: 1" = 1'-0"



1 TYPICAL ROUGH OPENINGS
SCALE: 1/2" = 1'-0"

DON MARTINEZ & ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

DATE: 08/26/2018	DRAWN BY: SJ
SCALE: AS NOTED	CHECKED: DM
REVISIONS:	
03/01/2019	PERMIT SET

SPAN CHARTS, NOTES & DETAILS
A8.1

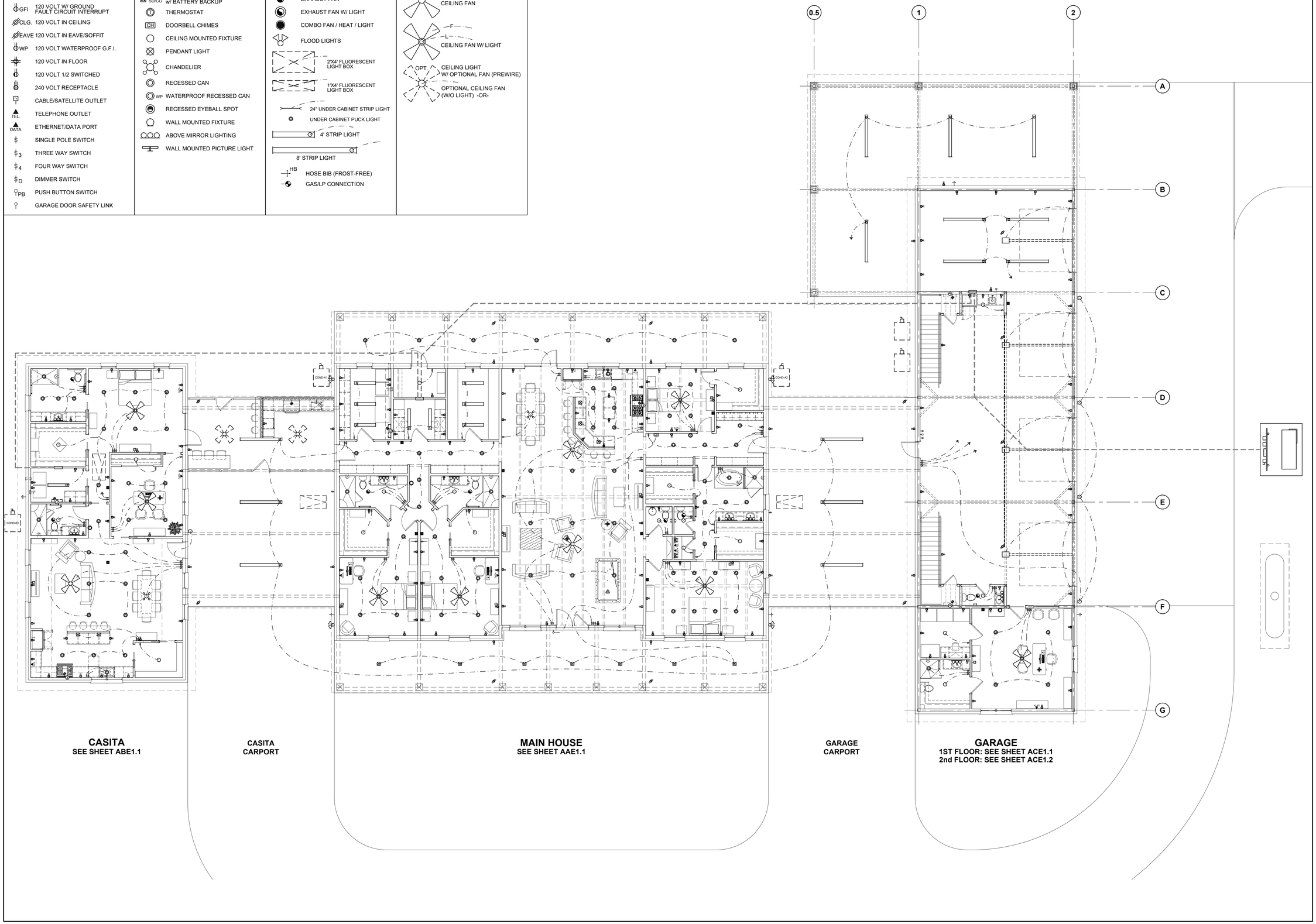
ELECTRICAL LEGEND

- JUNCTION BOX
- 120 VOLT RECEPTACLE
- GFI 120 VOLT W/ GROUND FAULT CIRCUIT INTERRUPT
- CLG. 120 VOLT IN CEILING
- EAVE 120 VOLT IN EAVE/SOFFIT
- WP 120 VOLT WATERPROOF G.F.I.
- 120 VOLT IN FLOOR
- 120 VOLT 1/2 SWITCHED
- 240 VOLT RECEPTACLE
- CABLE/SATELLITE OUTLET
- TEL TELEPHONE OUTLET
- DATA ETHERNET/DATA PORT
- $ SINGLE POLE SWITCH
- $3 THREE WAY SWITCH
- $4 FOUR WAY SWITCH
- $D DIMMER SWITCH
- PB PUSH BUTTON SWITCH
- GARAGE DOOR SAFETY LINK

- 120V SD SMOKE DETECTOR w/ BATTERY BACKUP
- 120V SD/CO SMOKE & CO DETECTOR w/ BATTERY BACKUP
- T THERMOSTAT
- CH DOORBELL CHIMES
- CEILING MOUNTED FIXTURE
- PENDANT LIGHT
- CHANDELIER
- RECESSED CAN
- WP WATERPROOF RECESSED CAN
- RECESSED EYEBALL SPOT
- WALL MOUNTED FIXTURE
- ABOVE MIRROR LIGHTING
- WALL MOUNTED PICTURE LIGHT

- PC PORCELAIN FIXTURE w/ PULL CORD
- EXHAUST FAN
- EXHAUST FAN W/ LIGHT
- COMBO FAN / HEAT / LIGHT
- FLOOD LIGHTS
- 2'X4' FLUORESCENT LIGHT BOX
- 1'X4' FLUORESCENT LIGHT BOX
- 24" UNDER CABINET STRIP LIGHT
- UNDER CABINET PUCK LIGHT
- 4' STRIP LIGHT
- 8' STRIP LIGHT
- HB HOSE BIB (FROST-FREE)
- GAS/LP CONNECTION

- F CEILING FAN
- F L CEILING FAN W/ LIGHT
- OPT. CEILING LIGHT W/ OPTIONAL FAN (PREWIRE)
- OPTIONAL CEILING FAN (W/O LIGHT) -OR-



CASITA
SEE SHEET ABE1.1

CASITA CARPORT

MAIN HOUSE
SEE SHEET AAE1.1

GARAGE CARPORT

GARAGE
1ST FLOOR: SEE SHEET ACE1.1
2nd FLOOR: SEE SHEET ACE1.2

DON MARTINEZ & ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

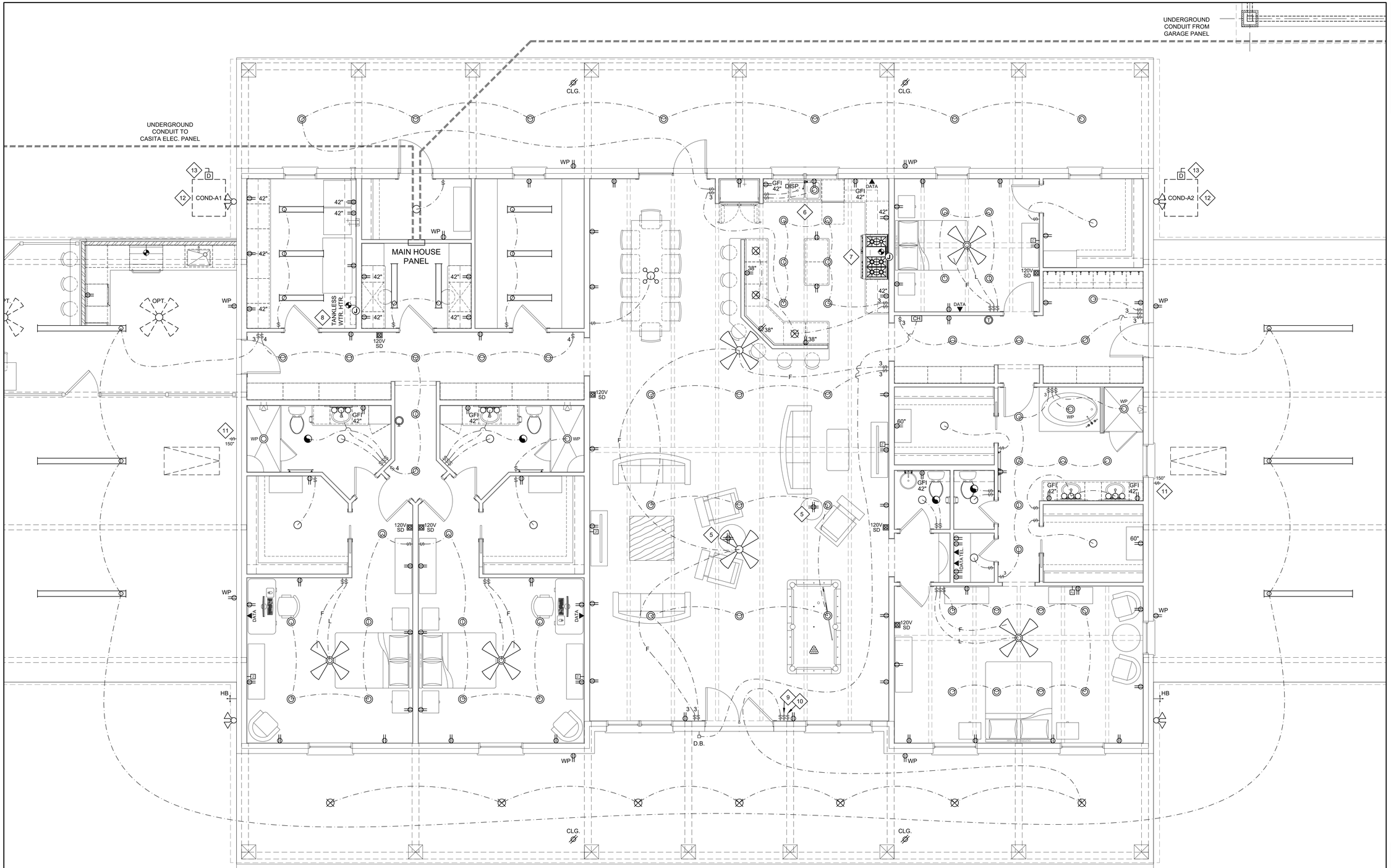
DATE: 08/26/2018	DRAWN BY: SJ
SCALE: 1/8" = 1'-0"	CHECKED: DM

REVISIONS:

	03/01/2019	PERMIT SET

MAIN HOUSE
ELECTRICAL PLAN

AAE1.1



ELECTRICAL NOTES:

1. PROVIDE AND INSTALL ALL ELECTRICAL WIRING AND DEVICES ACCORDING TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
2. ALL ELECTRICAL, PHONE, AND T.V. OUTLETS SHALL BE MOUNTED AT 16" A.F.F. UNLESS NOTED OTHERWISE. THIS HEIGHT AND OTHER HEIGHTS NOTED SHALL BE MEASURED TO THE CENTER OF THE OUTLET. OUTLETS BENEATH WINDOWS SHALL BE INSTALLED AT HEIGHT ELECTRICIAN DEEMS NECESSARY TO FIT.
3. ALL ELECTRICAL SWITCHES SHALL BE MOUNTED AT 48" A.F.F. UNLESS NOTED OTHERWISE. THIS HEIGHT AND OTHER HEIGHTS NOTED SHALL BE MEASURED TO THE CENTER OF THE SWITCH.
4. VERIFY POWER AND INSTALLATION REQUIREMENTS OF ALL APLLIANCES AND FIXTURES WITH OWNER PRIOR TO INSTALLATION.

5. VERIFY LOCATIONS OF RECESSED FLOOR PLUGS WITH OWNER PRIOR TO INSTALLATION. FLOOR PLUGS SHOULD NOT EXCEED (4) PLUGS PER CIRCUIT.
6. PROVIDE 120V POWER BENEATH SINK FOR GARBAGE DISPOSAL AND DISHWASHER.
7. PROVIDE 120V JUNCTION BOX FOR RANGE AND VENT HOOD.
8. PROVIDE JUNCTION BOX AND/OR POWER OUTLET FOR WATER HEATER.
9. ALL FLOOD LIGHTS ON HOUSE TO BE CONTROLLED FROM THIS SWITCH, ON A SINGLE CIRCUIT, OPERATED BY MOTION SENSOR. VERIFY LOCATIONS OF ALL FLOOD LIGHTS WITH OWNER PRIOR TO INSTALLATION.

10. ALL EAVE PLUGS TO BE CONTROLLED FROM THIS SWITCH, ON A SINGLE CIRCUIT, OPERATED BY PHOTOCELL. VERIFY LOCATIONS OF ALL EAVE PLUGS WITH OWNER PRIOR TO INSTALLATION.
11. VERIFY LOCATION AND TYPES OF POWER AND LIGHTING IN ATTIC WITH OWNER PRIOR TO INSTALLATION.
12. VERIFY POWER REQUIREMENTS FOR ALL HVAC EQUIPMENT PRIOR TO INSTALLATION.
13. PROVIDE DISCONNECT AT EACH UNIT FOR EXTERNAL HVAC EQUIPMENT.

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

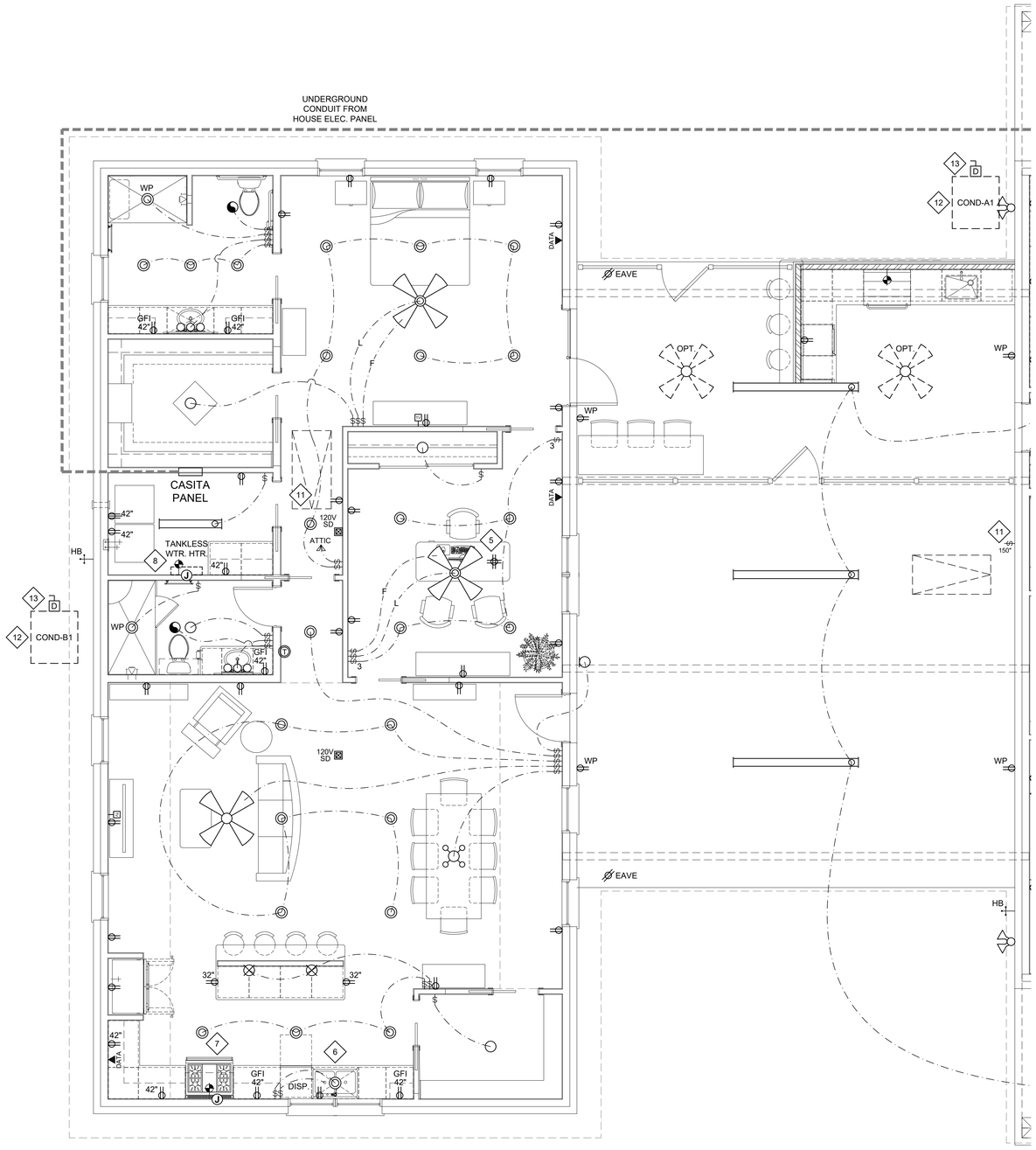
DATE: 08/26/2018	DRAWN BY: SJ
SCALE: 1/4" = 1'-0"	CHECKED: DM

REVISIONS:

	03/01/2019	PERMIT SET

MAIN HOUSE
ELECTRICAL PLAN

AAE1.1



ELECTRICAL LEGEND

- JUNCTION BOX
- 120 VOLT RECEPTACLE
- GFI — 120 VOLT W/ GROUND FAULT CIRCUIT INTERRUPT
- CLG. — 120 VOLT IN CEILING
- WP — 120 VOLT WATERPROOF G.F.I.
- 120 VOLT IN FLOOR
- 120 VOLT 1/2 SWITCHED
- 240 VOLT RECEPTACLE
- CABLE/SATELLITE OUTLET
- TEL. — TELEPHONE OUTLET
- SINGLE POLE SWITCH
- $_3$ — THREE WAY SWITCH
- $_4$ — FOUR WAY SWITCH
- $_D$ — DIMMER SWITCH
- $_{PB}$ — PUSH BUTTON SWITCH
- GARAGE DOOR SAFETY LINK
- 120V SD — SMOKE DETECTOR w/ BATTERY BACKUP
- 120V SD/CO — SMOKE & CO DETECTOR w/ BATTERY BACKUP
- T — THERMOSTAT
- CH — DOORBELL CHIMES
- CEILING MOUNTED FIXTURE
- PENDANT LIGHT
- CHANDELIER
- RECESSED CAN
- WP — WATERPROOF RECESSED CAN
- RECESSED EYEBALL SPOT
- WALL MOUNTED FIXTURE
- ABOVE MIRROR LIGHTING
- WALL MOUNTED PICTURE LIGHT
- PC — PORCELAIN FIXTURE w/ PULL CORD
- EXHAUST FAN
- EXHAUST FAN W/ LIGHT
- COMBO FAN / HEAT / LIGHT
- FLOOD LIGHTS
- 2'X4' FLUORESCENT LIGHT BOX
- 1'X4' FLUORESCENT LIGHT BOX
- 24" UNDER CABINET LED OR 2' FLUORESCENT LIGHT
- 4' FLUORESCENT LIGHT
- HB — HOSE BIB (FROST-FREE)
- GAS/LP CONNECTION
- F — CEILING FAN
- F / L — CEILING FAN w/ LIGHT
- OPT — OPTIONAL CEILING FAN (w/o LIGHT) -or- CEILING LIGHT w/ OPTIONAL FAN (PREWIRE)

2015 INTERNATIONAL RESIDENTIAL CODE
SECTION R314 SMOKE ALARMS

R314.1 GENERAL:
SMOKE ALARMS SHALL COMPLY WITH NFPA 72 AND SECTION R314.

R314.1.1 LISTINGS:
SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 217. COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 217 AND UL 2034.

R314.2 WHERE REQUIRED.
SMOKE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH THIS SECTION.

R314.2.1 NEW CONSTRUCTION.
SMOKE ALARMS SHALL BE PROVIDED IN DWELLING UNITS.

R314.2.2 ALTERATIONS, REPAIRS AND ADDITIONS.
WHERE ALTERATIONS, REPAIRS OR ADDITIONS REQUIRING A PERMIT OCCUR, OR WHERE ONE OR MORE SLEEPING ROOMS ARE ADDED OR CREATED IN EXISTING DWELLINGS, THE INDIVIDUAL DWELLING UNIT SHALL BE EQUIPPED WITH SMOKE ALARMS LOCATED AS REQUIRED FOR NEW DWELLINGS.

EXCEPTIONS:

1. WORK INVOLVING THE EXTERIOR SURFACES OF DWELLINGS, SUCH AS THE REPLACEMENT OF ROOFING OR SIDING, THE ADDITION OR REPLACEMENT OF WINDOWS OR DOORS, OR THE ADDITION OF A PORCH OR DECK, ARE EXEMPT FROM THE REQUIREMENTS OF THIS SECTION.
2. INSTALLATION, ALTERATION OR REPAIRS OF PLUMBING OR MECHANICAL SYSTEMS ARE EXEMPT FROM THE REQUIREMENTS OF THIS SECTION.

R314.3 LOCATION.
SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:

1. IN EACH SLEEPING ROOM.
2. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.
3. ON EACH ADDITIONAL STORY OF THE DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS AND NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS. IN DWELLINGS OR DWELLING UNITS WITH SPLIT LEVELS AND WITHOUT AN INTERVENING DOOR BETWEEN THE ADJACENT LEVELS, A SMOKE ALARM INSTALLED ON THE UPPER LEVEL SHALL SUFFICE FOR THE ADJACENT LOWER LEVEL PROVIDED THAT THE LOWER LEVEL IS LESS THAN ONE FULL STORY BELOW THE UPPER LEVEL.
4. SMOKE ALARMS SHALL BE INSTALLED NOT LESS THAN 3 FEET (914 MM) HORIZONTALLY FROM THE DOOR OR OPENING OF A BATHROOM THAT CONTAINS A BATHTUB OR SHOWER UNLESS THIS WOULD PREVENT PLACEMENT OF A SMOKE ALARM REQUIRED BY SECTION R314.3.

R314.3.1 INSTALLATION NEAR COOKING APPLIANCES.
SMOKE ALARMS SHALL NOT BE INSTALLED IN THE FOLLOWING LOCATIONS UNLESS THIS WOULD PREVENT PLACEMENT OF A SMOKE ALARM IN A LOCATION REQUIRED BY SECTION R314.3.

1. IONIZATION SMOKE ALARMS SHALL NOT BE INSTALLED LESS THAN 20 FEET (6096 MM) HORIZONTALLY FROM A PERMANENTLY INSTALLED COOKING APPLIANCE.
2. IONIZATION SMOKE ALARMS WITH AN ALARM-SILENCING SWITCH SHALL NOT BE INSTALLED LESS THAN 10 FEET (3048 MM) HORIZONTALLY FROM A PERMANENTLY INSTALLED COOKING APPLIANCE.
3. PHOTOELECTRIC SMOKE ALARMS SHALL NOT BE INSTALLED LESS THAN 6 FEET (1828 MM) HORIZONTALLY FROM A PERMANENTLY INSTALLED COOKING APPLIANCE.

R314.4 INTERCONNECTION.
WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING UNIT IN ACCORDANCE WITH SECTION R314.3, THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL DWELLING PHYSICAL INTERCONNECTION OF SMOKE ALARMS SHALL NOT BE REQUIRED WHERE LISTED WIRELESS ALARMS ARE INSTALLED AND ALL ALARMS SOUND UPON ACTIVATION OF ONE ALARM.

EXCEPTION:

INTERCONNECTION OF SMOKE ALARMS IN EXISTING AREAS SHALL NOT BE REQUIRED WHERE ALTERATIONS OR REPAIRS DO NOT RESULT IN REMOVAL OF INTERIOR WALL OR CEILING FINISHES EXPOSING THE STRUCTURE, UNLESS THERE IS AN ATTIC, CRAWL SPACE OR BASEMENT AVAILABLE THAT COULD PROVIDE ACCESS FOR INTERCONNECTION WITHOUT THE REMOVAL OF INTERIOR FINISHES.

R314.5 COMBINATION ALARMS.
COMBINATION SMOKE AND CARBON MONOXIDE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS.

R314.6 POWER SOURCE.
SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND, WHERE PRIMARY POWER IS INTERRUPTED, SHALL RECEIVE POWER FROM A BATTERY. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN THOSE REQUIRED FOR OVERCURRENT PROTECTION.

EXCEPTIONS:

1. SMOKE ALARMS SHALL BE PERMITTED TO BE BATTERY OPERATED WHERE INSTALLED IN BUILDINGS WITHOUT COMMERCIAL POWER.
2. SMOKE ALARMS INSTALLED IN ACCORDANCE WITH SECTION R314.2.2 SHALL BE PERMITTED TO BE BATTERY POWERED.

R314.7 FIRE ALARM SYSTEMS.
FIRE ALARM SYSTEMS SHALL BE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS AND SHALL COMPLY WITH SECTIONS R314.7.1 THROUGH R314.7.4.

R314.7.1 GENERAL.
FIRE ALARM SYSTEMS SHALL COMPLY WITH THE PROVISIONS OF THIS CODE AND THE HOUSEHOLD FIRE WARNING EQUIPMENT PROVISIONS OF NFPA 72. SMOKE DETECTORS SHALL BE LISTED IN ACCORDANCE WITH UL 268.

R314.7.2 LOCATION.
SMOKE DETECTORS SHALL BE INSTALLED IN THE LOCATIONS SPECIFIED IN SECTION R314.3.

R314.7.3 PERMANENT FIXTURE.
WHERE A HOUSEHOLD FIRE ALARM SYSTEM IS INSTALLED, IT SHALL BECOME A PERMANENT FIXTURE OF THE OCCUPANCY, OWNED BY THE HOMEOWNER.

R314.7.4 COMBINATION DETECTORS.
COMBINATION SMOKE AND CARBON MONOXIDE DETECTORS SHALL BE PERMITTED TO BE INSTALLED IN FIRE ALARM SYSTEMS IN LIEU OF SMOKE DETECTORS, PROVIDED THAT THEY ARE LISTED IN ACCORDANCE WITH UL 268 AND UL 2075.

ELECTRICAL NOTES:

1. PROVIDE AND INSTALL ALL ELECTRICAL WIRING AND DEVICES ACCORDING TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
2. ALL ELECTRICAL, PHONE, AND T.V. OUTLETS SHALL BE MOUNTED AT 16" A.F.F. UNLESS NOTED OTHERWISE. THIS HEIGHT AND OTHER HEIGHTS NOTED SHALL BE MEASURED TO THE CENTER OF THE OUTLET. OUTLETS BENEATH WINDOWS SHALL BE INSTALLED AT HEIGHT ELECTRICIAN DEEMS NECESSARY TO FIT.
3. ALL ELECTRICAL SWITCHES SHALL BE MOUNTED AT 48" A.F.F. UNLESS NOTED OTHERWISE. THIS HEIGHT AND OTHER HEIGHTS NOTED SHALL BE MEASURED TO THE CENTER OF THE SWITCH.
4. VERIFY POWER AND INSTALLATION REQUIREMENTS OF ALL APLLIANCES AND FIXTURES WITH OWNER PRIOR TO INSTALLATION.
5. VERIFY LOCATIONS OF RECESSED FLOOR PLUGS WITH OWNER PRIOR TO INSTALLATION. FLOOR PLUGS SHOULD NOT EXCEED (4) PLUGS PER CIRCUIT.
6. PROVIDE 120V POWER BENEATH SINK FOR GARBAGE DISPOSAL AND DISHWASHER.
7. PROVIDE 120V JUNCTION BOX FOR RANGE AND VENT HOOD.
8. PROVIDE JUNCTION BOX AND/OR POWER OUTLET FOR WATER HEATER.
9. ALL FLOOD LIGHTS ON HOUSE TO BE CONTROLLED FROM THIS SWITCH, ON A SINGLE CIRCUIT, OPERATED BY MOTION SENSOR. VERIFY LOCATIONS OF ALL FLOOD LIGHTS WITH OWNER PRIOR TO INSTALLATION.
10. ALL EAVE PLUGS TO BE CONTROLLED FROM THIS SWITCH, ON A SINGLE CIRCUIT, OPERATED BY PHOTOCELL. VERIFY LOCATIONS OF ALL EAVE PLUGS WITH OWNER PRIOR TO INSTALLATION.
11. VERIFY LOCATION AND TYPES OF POWER AND LIGHTING IN ATTIC WITH OWNER PRIOR TO INSTALLATION.
12. VERIFY POWER REQUIREMENTS FOR ALL HVAC EQUIPMENT PRIOR TO INSTALLATION.
13. PROVIDE DISCONNECT AT EACH UNIT FOR EXTERNAL HVAC EQUIPMENT.

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

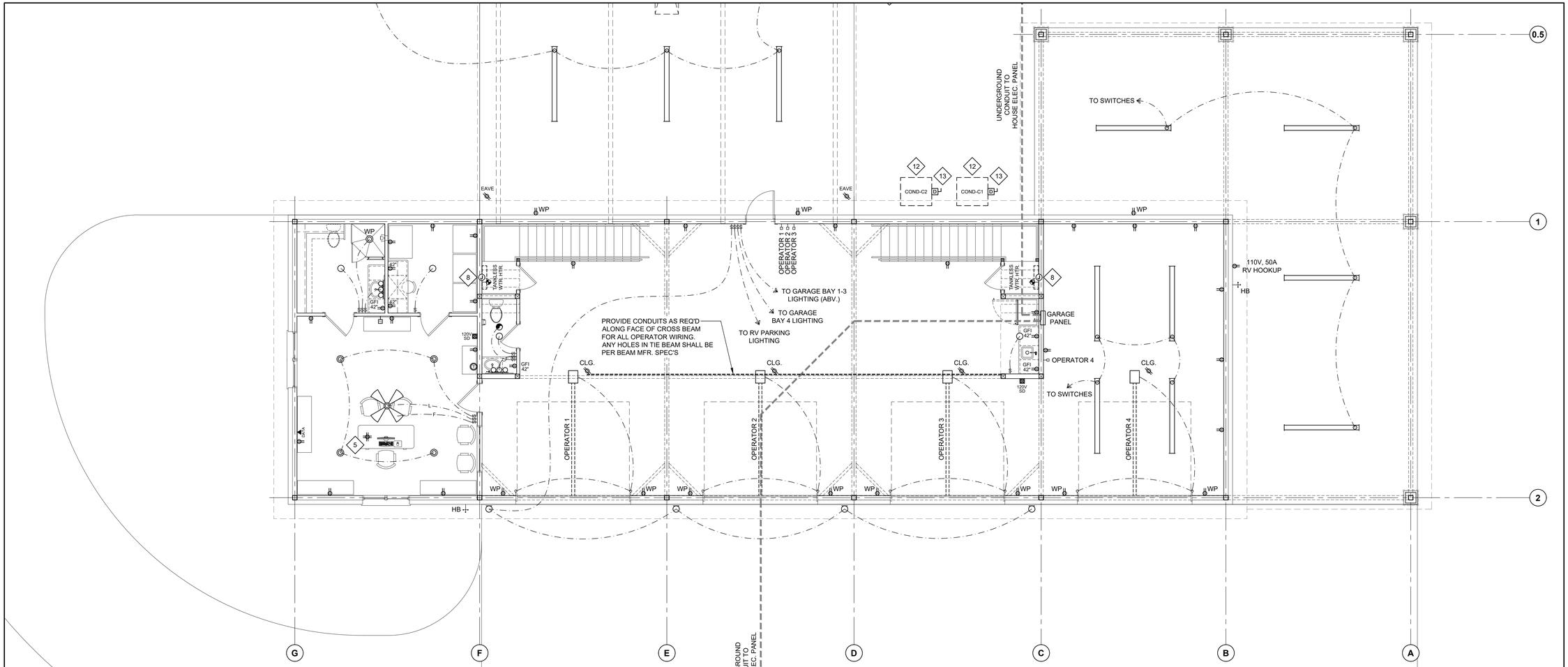
DATE: 08/26/2018	DRAWN BY: SJ
SCALE: 1/4" = 1'-0"	CHECKED: DM

REVISIONS:

03/01/2019	PERMIT SET

CASITA
ELECTRICAL PLAN

ABE1.1



ELECTRICAL NOTES:

1. PROVIDE AND INSTALL ALL ELECTRICAL WIRING AND DEVICES ACCORDING TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
2. ALL ELECTRICAL, PHONE, AND T.V. OUTLETS SHALL BE MOUNTED AT 16" A.F.F. UNLESS NOTED OTHERWISE. THIS HEIGHT AND OTHER HEIGHTS NOTED SHALL BE MEASURED TO THE CENTER OF THE OUTLET. OUTLETS BENEATH WINDOWS SHALL BE INSTALLED AT HEIGHT ELECTRICIAN DEEMS NECESSARY TO FIT.
3. ALL ELECTRICAL SWITCHES SHALL BE MOUNTED AT 48" A.F.F. UNLESS NOTED OTHERWISE. THIS HEIGHT AND OTHER HEIGHTS NOTED SHALL BE MEASURED TO THE CENTER OF THE SWITCH.
4. VERIFY POWER AND INSTALLATION REQUIREMENTS OF ALL APLLIANCES AND FIXTURES WITH OWNER PRIOR TO INSTALLATION.

5. VERIFY LOCATIONS OF RECESSED FLOOR PLUGS WITH OWNER PRIOR TO INSTALLATION. FLOOR PLUGS SHOULD NOT EXCEED (4) PLUGS PER CIRCUIT.
6. PROVIDE 120V POWER BENEATH SINK FOR GARBAGE DISPOSAL AND DISHWASHER.
7. PROVIDE 120V JUNCTION BOX FOR RANGE AND VENT HOOD.
8. PROVIDE JUNCTION BOX AND/OR POWER OUTLET FOR WATER HEATER.
9. ALL FLOOD LIGHTS ON HOUSE TO BE CONTROLLED FROM THIS SWITCH, ON A SINGLE CIRCUIT, OPERATED BY MOTION SENSOR. VERIFY LOCATIONS OF ALL FLOOD LIGHTS WITH OWNER PRIOR TO INSTALLATION.

10. ALL EAVE PLUGS TO BE CONTROLLED FROM THIS SWITCH, ON A SINGLE CIRCUIT, OPERATED BY PHOTOCELL. VERIFY LOCATIONS OF ALL EAVE PLUGS WITH OWNER PRIOR TO INSTALLATION.
11. VERIFY LOCATION AND TYPES OF POWER AND LIGHTING IN ATTIC WITH OWNER PRIOR TO INSTALLATION.
12. VERIFY POWER REQUIREMENTS FOR ALL HVAC EQUIPMENT PRIOR TO INSTALLATION.
13. PROVIDE DISCONNECT AT EACH UNIT FOR EXTERNAL HVAC EQUIPMENT.

ELECTRICAL LEGEND

- JUNCTION BOX
- 120 VOLT RECEPTACLE
- GFI 120 VOLT W/ GROUND FAULT CIRCUIT INTERRUPT
- CLG. 120 VOLT IN CEILING
- EAVE 120 VOLT IN EAVE/SOFFIT
- WP 120 VOLT WATERPROOF G.F.I.
- 120 VOLT IN FLOOR
- 120 VOLT 1/2 SWITCHED
- 240 VOLT RECEPTACLE
- CABLE/SATELLITE OUTLET
- TEL. TELEPHONE OUTLET
- DATA ETHERNET/DATA PORT
- $ SINGLE POLE SWITCH
- $3 THREE WAY SWITCH
- $4 FOUR WAY SWITCH
- $D DIMMER SWITCH
- PB PUSH BUTTON SWITCH
- GARAGE DOOR SAFETY LINK

- 120V SD SMOKE DETECTOR W/ BATTERY BACKUP
- 120V SD/CO SMOKE & CO DETECTOR W/ BATTERY BACKUP
- T THERMOSTAT
- CH DOORBELL CHIMES
- CEILING MOUNTED FIXTURE
- PENDANT LIGHT
- CHANDELIER
- RECESSED CAN
- WP WATERPROOF RECESSED CAN
- RECESSED EYEBALL SPOT
- WALL MOUNTED FIXTURE
- ABOVE MIRROR LIGHTING
- WALL MOUNTED PICTURE LIGHT

- PC PORCELAIN FIXTURE W/ FULL CORD
- EXHAUST FAN
- EXHAUST FAN W/ LIGHT
- COMBO FAN / HEAT / LIGHT
- FLOOD LIGHTS
- 2'X4' FLUORESCENT LIGHT BOX
- 1'X4' FLUORESCENT LIGHT BOX
- 24" UNDER CABINET STRIP LIGHT
- UNDER CABINET PUCK LIGHT
- 4' STRIP LIGHT
- 8' STRIP LIGHT
- HB HOSE BIB (FROST-FREE)
- GAS/LP CONNECTION

- F CEILING FAN
- F L CEILING FAN W/ LIGHT
- OPT. CEILING LIGHT W/ OPTIONAL FAN (PREWIRE)
- OPTIONAL CEILING FAN (W/O LIGHT) -OR-

DON MARTINEZ & ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

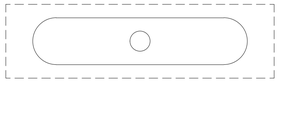
DATE:	08/26/2018	DRAWN BY:	SJ
SCALE:	1/8" = 1'-0"	CHECKED:	DM

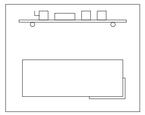
REVISIONS:

	03/01/2019	PERMIT SET

GARAGE - 1st FLOOR
ELECTRICAL PLAN

ACE1.1





ELECTRICAL LEGEND

- JUNCTION BOX
- 120 VOLT RECEPTACLE
- GFI — 120 VOLT W/ GROUND FAULT CIRCUIT INTERRUPT
- CLG. — 120 VOLT IN CEILING
- EAVE — 120 VOLT IN EAVE/SOFFIT
- WP — 120 VOLT WATERPROOF G.F.I.
- 120 VOLT IN FLOOR
- 120 VOLT 1/2 SWITCHED
- 240 VOLT RECEPTACLE
- CABLE/SATELLITE OUTLET
- TEL — TELEPHONE OUTLET
- DATA — ETHERNET/DATA PORT
- $ — SINGLE POLE SWITCH
- $3 — THREE WAY SWITCH
- $4 — FOUR WAY SWITCH
- $D — DIMMER SWITCH
- PB — PUSH BUTTON SWITCH
- GARAGE DOOR SAFETY LINK

- 120V SD — SMOKE DETECTOR w/ BATTERY BACKUP
- 120V SD/CO — SMOKE & CO DETECTOR w/ BATTERY BACKUP
- T — THERMOSTAT
- CH — DOORBELL CHIMES
- CEILING MOUNTED FIXTURE
- PENDANT LIGHT
- CHANDELIER
- RECESSED CAN
- WP — WATERPROOF RECESSED CAN
- RECESSED EYEBALL SPOT
- WALL MOUNTED FIXTURE
- ABOVE MIRROR LIGHTING
- WALL MOUNTED PICTURE LIGHT

- PC — PORCELAIN FIXTURE w/ PULL CORD
- EXHAUST FAN
- EXHAUST FAN W/ LIGHT
- COMBO FAN / HEAT / LIGHT
- FLOOD LIGHTS
- 2'X4' FLUORESCENT LIGHT BOX
- 1'X4' FLUORESCENT LIGHT BOX
- 24" UNDER CABINET STRIP LIGHT
- UNDER CABINET PUCK LIGHT
- 4' STRIP LIGHT
- 8' STRIP LIGHT
- HB — HOSE BIB (FROST-FREE)
- GAS/LP CONNECTION

- F — CEILING FAN
- F / L — CEILING FAN W/ LIGHT
- OPT. — CEILING LIGHT W/ OPTIONAL FAN (PREWIRE)
- OPTIONAL CEILING FAN (W/O LIGHT) -OR-

ELECTRICAL NOTES:

1. PROVIDE AND INSTALL ALL ELECTRICAL WIRING AND DEVICES ACCORDING TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
2. ALL ELECTRICAL, PHONE, AND T.V. OUTLETS SHALL BE MOUNTED AT 16" A.F.F. UNLESS NOTED OTHERWISE. THIS HEIGHT AND OTHER HEIGHTS NOTED SHALL BE MEASURED TO THE CENTER OF THE OUTLET. OUTLETS BENEATH WINDOWS SHALL BE INSTALLED AT HEIGHT ELECTRICIAN DEEMS NECESSARY TO FIT.
3. ALL ELECTRICAL SWITCHES SHALL BE MOUNTED AT 48" A.F.F. UNLESS NOTED OTHERWISE. THIS HEIGHT AND OTHER HEIGHTS NOTED SHALL BE MEASURED TO THE CENTER OF THE SWITCH.
4. VERIFY POWER AND INSTALLATION REQUIREMENTS OF ALL APLLIANCES AND FIXTURES WITH OWNER PRIOR TO INSTALLATION.
5. VERIFY LOCATIONS OF RECESSED FLOOR PLUGS WITH OWNER PRIOR TO INSTALLATION. FLOOR PLUGS SHOULD NOT EXCEED (4) PLUGS PER CIRCUIT.
6. PROVIDE 120V POWER BENEATH SINK FOR GARBAGE DISPOSAL AND DISHWASHER.
7. PROVIDE 120V JUNCTION BOX FOR RANGE AND VENT HOOD.
8. PROVIDE JUNCTION BOX AND/OR POWER OUTLET FOR WATER HEATER.
9. ALL FLOOD LIGHTS ON HOUSE TO BE CONTROLLED FROM THIS SWITCH, ON A SINGLE CIRCUIT, OPERATED BY MOTION SENSOR. VERIFY LOCATIONS OF ALL FLOOD LIGHTS WITH OWNER PRIOR TO INSTALLATION.
10. ALL EAVE PLUGS TO BE CONTROLLED FROM THIS SWITCH, ON A SINGLE CIRCUIT, OPERATED BY PHOTOCELL. VERIFY LOCATIONS OF ALL EAVE PLUGS WITH OWNER PRIOR TO INSTALLATION.
11. VERIFY LOCATION AND TYPES OF POWER AND LIGHTING IN ATTIC WITH OWNER PRIOR TO INSTALLATION.
12. VERIFY POWER REQUIREMENTS FOR ALL HVAC EQUIPMENT PRIOR TO INSTALLATION.
13. PROVIDE DISCONNECT AT EACH UNIT FOR EXTERNAL HVAC EQUIPMENT.

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

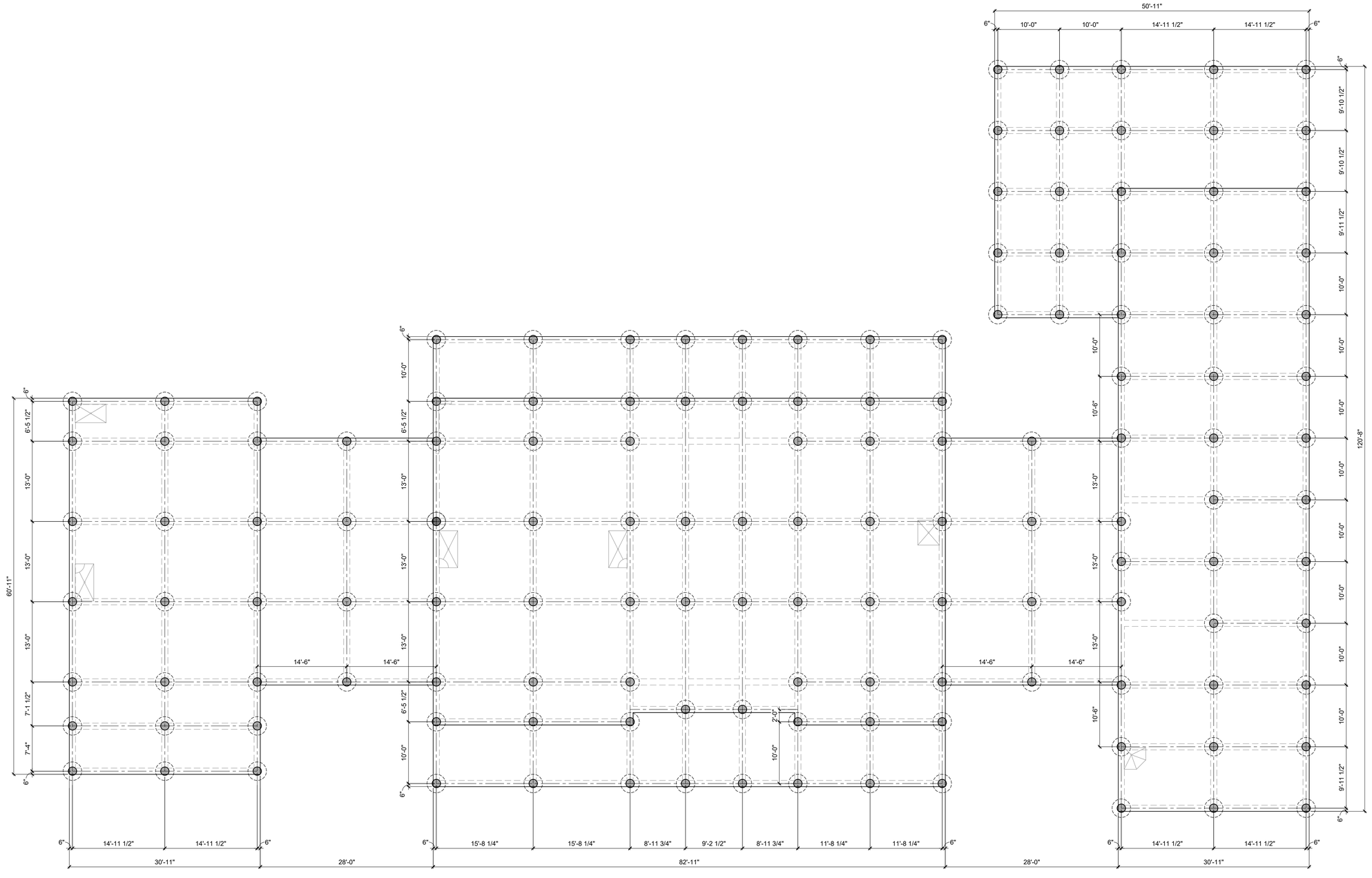
DATE:	08/26/2018	DRAWN BY:	SJ
SCALE:	1/8" = 1'-0"	CHECKED:	DM

REVISIONS:

	03/01/2019	PERMIT SET

GARAGE - 2nd FLOOR
ELECTRICAL PLAN

ACE1.2



TOTAL PIERS = 139

REFER TO SHEET S3.1 FOR PIER DETAIL.

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

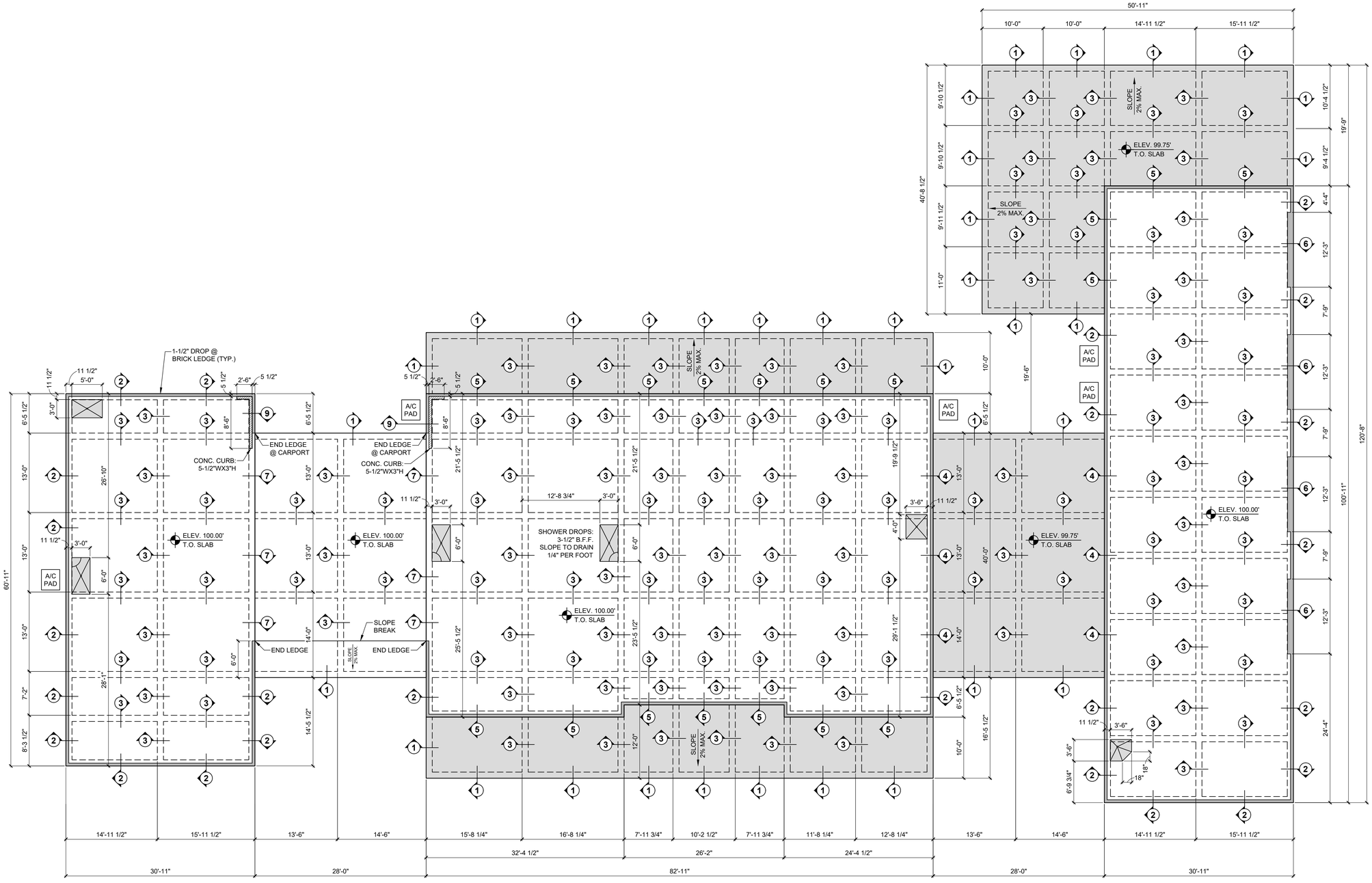
DATE: 08/26/2018	DRAWN BY: SJ
SCALE: 1/8" = 1'-0"	CHECKED: DM

REVISIONS:

03/01/2019	PERMIT SET

FOUNDATION
PIER PLAN

S2.1



REFER TO SHEET S3.1 FOR BEAM & SLAB DETAILS.

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

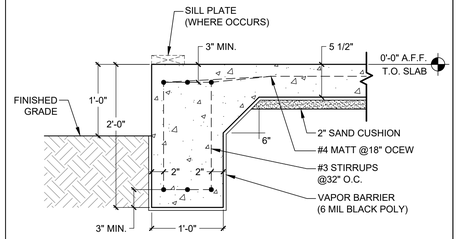
DATE: 08/26/2018	DRAWN BY: SJ
SCALE: 1/8" = 1'-0"	CHECKED: DM

REVISIONS:

03/01/2019	PERMIT SET

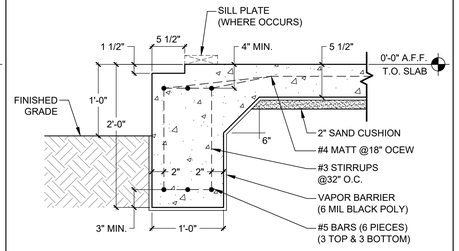
FOUNDATION
BEAM & SLAB PLAN

S2.1



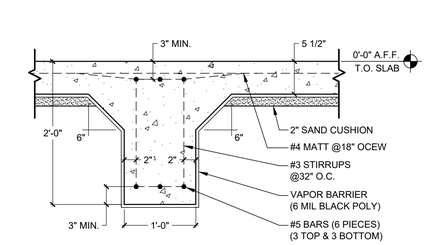
1 TYP. EXTERIOR BEAM

SCALE: 1" = 1'-0"



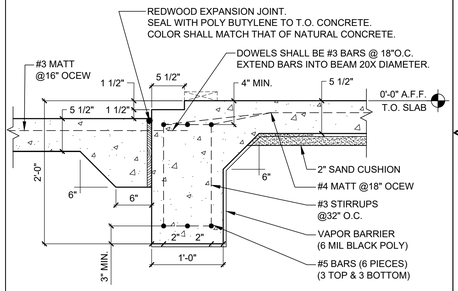
2 EXT. BEAM W/ MASONRY LEDGE

SCALE: 1" = 1'-0"



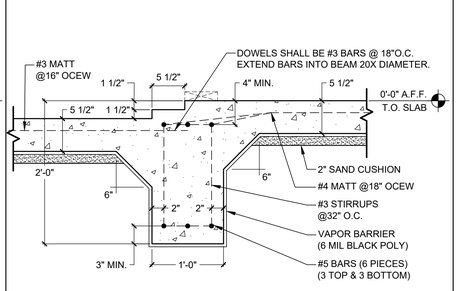
3 TYP. INTERIOR BEAM

SCALE: 1" = 1'-0"



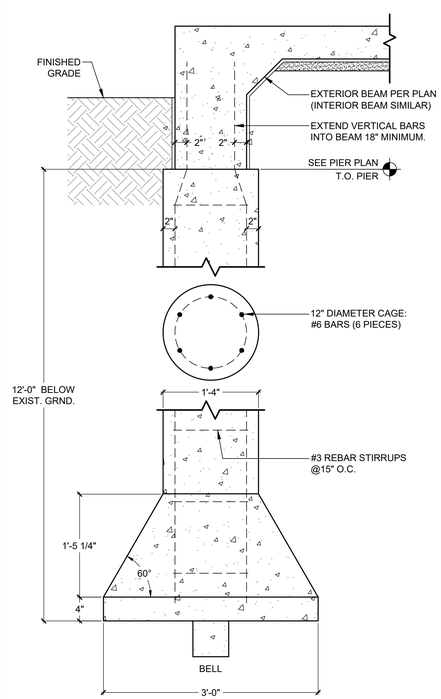
4 EXT. BEAM W/ MASONRY LEDGE & DROP

SCALE: 1" = 1'-0"



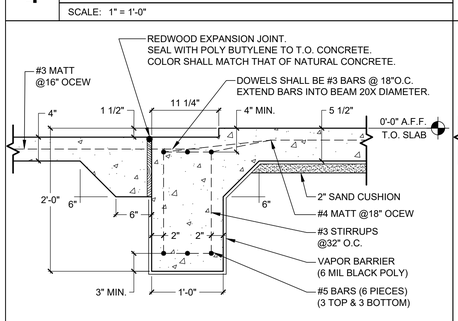
5 INT. BEAM W/ MASONRY LEDGE & DROP

SCALE: 1" = 1'-0"



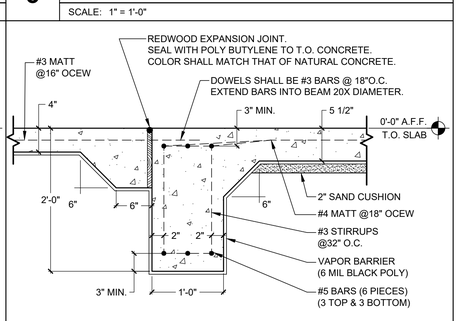
8 TYP. FOUNDATION PIER

SCALE: 1" = 1'-0"



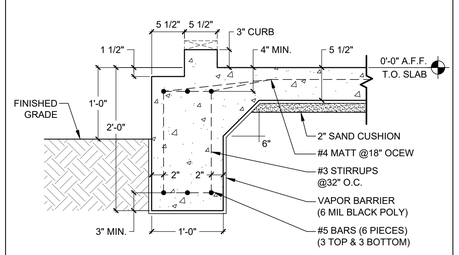
6 EXT. BEAM AT GARAGE DOOR

SCALE: 1" = 1'-0"



7 EXT. BEAM AT CASITA CARPORT

SCALE: 1" = 1'-0"



9 EXT. BEAM W/ MASONRY LEDGE & CURB

SCALE: 1" = 1'-0"

DISCLAIMER:
THIS FOUNDATION HAS BEEN DESIGNED FOR BID PURPOSES ONLY.
MARTINEZ & ASSOCIATES ASSUMES NO RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OF ANY FOUNDATION.
A GEOTECHNICAL INVESTIGATION HAS BEEN PERFORMED ON THIS PROPERTY BY THE MURILLO COMPANY OF HOUSTON, TX (REPORT #GEO37718).
THIS FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED WITHIN THE GEOTECHNICAL REPORT.
THESE PLANS MUST BE APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. MODIFICATIONS TO THIS DESIGN MAY BE REQUIRED.

FOUNDATION NOTES:

1. DIMENSIONS SHOWN ARE FOR LAYOUT PURPOSES ONLY, BUT A TOLERANCE OF [+] OR [-] 1/2" ON ALL INTERIOR BEAMS SHALL BE ACCEPTED.
2. FOUNDATION SHALL BE LOCATED ON THE LOT BY A LICENSED SURVEYOR AT THE ELEVATION INDICATED ON THE PROPOSED SITE PLAN. THE SURVEYOR SHALL BE RESPONSIBLE FOR COMPLETING THE FIELD FORM SURVEY AND FURNISHING COPIES TO ALL REQUIRED PARTIES. THE SURVEYOR SHALL ALSO PROVIDE A CERTIFICATION STATING THE STRUCTURE IS NOT WITHIN THE 500-YEAR FLOOD PLAIN.
3. CONTRACTOR TO SCARIFY AND REMOVE ALL REDDISH-BROWN CLAY TOPSOILS TO EXISTING SANDY-CLAY LAYER (2'-3' DEPTH PER GEO. REPORT). REMOVE SOILS IN THE AREA OF THE BUILDING FOOTPRINT PLUS A MINIMUM OF 5'-0" BEYOND THE PERIMETER. BUILDING PAD TO BE 24" MIN. THICKNESS. PAD MATERIAL SHOULD CONSIST OF A NON-ACTIVE SANDY CLAY OR CLAYEY SANDS HAVING A P.I. BETWEEN 8% AND 25%. THE FILL SHOULD BE PLACED UNDER LABORATORY CONTROL, IN NO GREATER THAN 10" LOOSE LAYERS, AND COMPACTED TO A MIN. 95% OF STANDARD PROCTOR DENSITY. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
4. EXTERIOR GRADE BEAMS SHOULD EXTEND A MIN. OF 12" INTO THE REGRADED SURFACE OR COMPACTED BUILDING PAD. ALL MATERIAL EXCAVATED FROM FOUNDATION BEAMS TO BE PLACED IN ISLAND AREAS AND UNIFORMLY COMPACTED TO REMOVE VOIDS. ALLOW FOR 2" SAND PAD OVER ENTIRE PAD FOR FINAL GRADING.
5. REINFORCING STEEL SHALL BE HELD IN PLACE WITH A SUFFICIENT NUMBER OF PLASTIC CHAIRS OR CONCRETE BLOCKS TO SUPPORT WORKERS DURING CONCRETE PLACEMENT. MAX. SPACING OF 48" BOTH DIRECTIONS.
6. ALL REINFORCING STEEL OVERLAPS SHALL BE 30 TIMES THE BAR DIAMETER.
7. ALL REINFORCING STEEL IN BEAMS SHALL RUN CONTINUOUSLY THROUGH THE BEAM INTERSECTIONS.
8. EXTERIOR BEAM STEEL SHALL BE BENT CONTINUOUS AROUND CORNERS AND SHALL BE OVERLAPPED AND SPLICED AT 30 TIMES THE DIAMETER.
9. INTERIOR BEAM STEEL SHALL BE CONNECTED TO EXTERIOR BEAM STEEL AND SHALL BE OVERLAPPED AND SPLICED AT 30 TIMES DIAMETER.
10. ALL STEEL AT PORCH AREAS SHALL EXTEND THROUGH AND BE TIED TO EXTERIOR OR INTERIOR BEAMS.
11. CONCRETE SHALL BE (5) SACK MIXTURE WITH NO MORE THAN A 6" SLUMP.
12. ALL CONCRETE SHALL TEST 3000p.s.i. IN 28 DAYS.
13. VIBRATE EXTERIOR BEAMS TO PREVENT HONEYCOMB EFFECT.
14. SLOPES AT PORCH ENTRIES SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING WITH A MAXIMUM 2% SLOPE.
15. INTERIOR SLAB SHALL HAVE A TROWEL FINISH. ALL EXTERIOR CONCRETE SURFACES SHALL HAVE A LIGHT BROOM FINISH.

DON MARTINEZ
& ASSOCIATES
OFFICE: (936) 439-5168
CELL: (936) 577-6761

PROJECT:
INGRAM RESIDENCE
STEPHEN & TAMARA INGRAM
3702 S.H. 75 N.
HUNTSVILLE, TX 77340
WALKER COUNTY

DATE:	08/26/2018	DRAWN BY:	SJ
SCALE:	AS NOTED	CHECKED:	DM

REVISIONS:

1	03/01/2019	PERMIT SET

FOUNDATION DETAILS

S3.1