MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMER S4S COLUMNS USED IN MORTON BUILDINGS ARE PRESSURE TREATED BELOW GRADE TO A RETENTION OF .8 OUNDS PER CUBIC FOOT WITH CHROMATED COPPER ARSENATE TYPE III, OXIDE IN CONFORMANCE WITHUSEPA GUIDELINES AND AWPA STANDARD C28. THE TREATED PORTION OF THE COLUMN EMBEDDE IN GROUND SHALL BE LAMINATED WITH STAINLESS STEEL NAILS.

FOOTINGS AND ANCHORAGE - COLUMN HOLES ARE DUG A MINIMUM DEPTH OF 4'-8" BELO/ GRADE (SEE PLANS FOR DIAMETER AND DEPTH). COLUMNS WITH GALVANIZED SUPPORT STILTS ARE FACED IN THE HOLE. CONCRETE (MINIMUM COMPRESSIVE STRENGTH 2500 PSI) IS POURED IN PLACE TO THEPECIFIED THICKNESS (SEE PLANS FOR REQUIRED THICKNESS ABOVE AND BELOW THE COLUMN). THE CLUMN IS THEN BACKFILLED WITH SOIL AND COMPACTED AT 8" INTERVALS OR BACKFILLED WITH CONCRETESEE PLANS).

TREATED LUMBER - PRESSURE PRESERVATIVE TREATED LUMBER OTHER THAN LAMINATED COLMNS ARE NO. 1 OR BETTER SOUTHERN YELLOW PINE AND CENTER MATCHED OR NOTCHED AND GROOVED,RESSURE TREATED TO A NET RETENTION OF .4 POUNDS PER CUBIC FOOT WITH A CODE AND INDUSTRYAPPROVED PRESERVATIVE TREATMENT IN ACCORDANCE WITH AWPA USE CATEGORY UC4A.

FRAMING LUMBER - SIDING NAILERS ARE 2x4 S4S OR 2x6 SPF NO. 2 OR BETTER SPACED APPROXIMATELY 36" O.C. WITH ALL JOINTS STAGGERED AT ATTACHMENT TO COLUMNS. ROOF PURLINS ARE 2x4 S NO. 2 OR BETTER ON EDGE SPACED APPROXIMATELY 24" O.C. ALL OTHER FRAMING LUMBER IS NO. 2 C BETTER.

ROOF TRUSSES - FACTORY ASSEMBLED WITH 18 OR 20 GAUGE GALVANIZED STEEL TRUSS PLAS AS REQUIRED AND KILN DRIED LUMBER AS SPECIFIED, IN-PLANT QUALITY CONTROL INSPECTION IS CONDUCED UNDER THE AUSPICES OF THE TPI INSPECTION BUREAU. TRUSSES ARE DESIGNED IN ACCORDANCE WITH URRENT STANDARDS AND SPECIFICATIONS FOR THE STATED LOADING.

SIDING & ROOFING PANELS (KYNAR 500 / HYLAR 5000) - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME, WITH AN ADDITIONAL BAKED-ON KYNAR 500 / HYLAR 5000 FINISH WITH A NOMINAL 1 MIL. PAT THICKNESS ON EXTERIOR.

TRIM - DIE-FORMED TRIM OF 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS

GUTTERS - 5" K-STYLE, .030 HIGH TENSILE ALUMINUM GUTTER, KYNAR 500 / HYLAR 5000 FINISH O MATCH TRIM, ON BOTH SIDES OF THE BUILDING.

ADDITIONAL NOTES

1.) ALL PLOT PLANS AND RELATED DETAILS SHALL BE PROVIDED BY OWNER UNLESS INCORPRATED AS PART OF THESE DRAWINGS.
2.) ALL INTERIOR PARTITIONS AND ROOM FINISHES IF NOT INCLUDED WITH THESE DRAWINGSHALL BE PROVIDED BY OWNER, STANDARD FINISHES SHALL HAVE LESS THAN 200 FLAME SPREAD ATING AS REQUIRED BY ASTM E84 FOR ORDINARY CONDITIONS AND 25 OR LESS FOR EXITS, PASSAEWAYS, AND CORRIDORS.
3.) FLOOR COVERINGS JUDGED TO REPRESENT AN UNUSUAL HAZARD SHALL MEET THE SAN TESTING PROCEDURES AS REQUIRED FOR WALL AND CEILING FINISHES.
4.) MORTON BUILDINGS GENERAL SPECIFICATIONS APPLY UNLESS INDICATED DIFFERENTLY IN SPECIFIC JOB DRAWINGS OR SUPPLEMENTAL INFORMATION.
5.) KYNAR 500 IS A REGISTERED TRADEMARK OF ATOFINA CHEMICAL, INC., HYLAR 5000 IS TRADEMARK OF SOLVAY SOLEXIS.

2x4KK 11/05

SHEET INDEX	
SHEET#	DESCRIPTION
G1 OF G1	SPECIFICATIONS & SHEET INDEX
S1 OF S10	COLUMN PLAN
S2 OF S10	TRUSS PLAN & DETAILS
S3 OF S10	TRUSS DRAWINGS
S4 OF S10	DETAILS & PURLIN LAYOUTS
S5 OF S10	ELEVATIONS & DETAIL
S6 OF S10	FASTENING SCHEDULES, SECTION, & DETAILS
S7 OF S10	SECTIONS
S8 OF S10	SECTIONS
S9 OF S10	DETAILS
S10 OF S10	DETAILS

ALLIED DESIGN

BUILDING DESIGN CRITERIA		
BUILDING CODE	2004 FBC	
USE GROUP	U	
CONSTRUCTION TYPE	VB	
FLOOR AREA	2100 SQ FT	
FLOOR LOAD	125 PSF	
MEAN ROOF HEIGHT	15.10 FT	
BUILDING CATEGORY	II	
MINIMUM LIVE ROOF LOAD DESIGN	SEE BELOW	
WIND SPEED (Vss)	110 MPH	
WIND IMPORTANCE FACTOR	1.0	
EXPOSURE CATEGORY	B	
INTERNAL PRESSURE COEFFICIENT	±0.18	
BUILDING DESIGN CONDITION	ENCLOSED	
WIND LOAD DESIGN	ASCE 7 METHOD 2	
MAIN WINDFORCE RESISTING SYSTEM (ALL FORCES ACT NORMAL TO THE SURFACE) (FOR ZONES SEE MWFRS ON ELEVATIONS PAGE) (MAXIMUM VALUE SHOWN)	ZONE 1E	17.71 PSF
	ZONE 2E	-23.06 PSF
	ZONE 3E	-15.74 PSF
	ZONE 4E	-14.72 PSF
	ZONE 5E	17.71 PSF
	ZONE 6E	-14.72 PSF
	ZONE 1	12.85 PSF
	ZONE 2	-16.05 PSF
	ZONE 3	-11.96 PSF
	ZONE 4	-10.98 PSF
	ZONE 5	12.85 PSF
	ZONE 6	-10.98 PSF
COMPONENT & CLADDING WIND LOADS (ALL FORCES ACT NORMAL TO THE SURFACE) (FOR ZONES SEE ELEVATIONS)	ZONE 1	12.54, -19.92 PSF
	ZONE 2	12.54, -34.68 PSF
	ZONE 3	12.54, -51.28 PSF
	ZONE 4	21.77, -23.61 PSF
	ZONE 5	21.77, -29.15 PSF

MINIMUM LIVE ROOF LOAD DESIGNS FOR CONSTRUCTION, MAINTENANCE, REPAIR, AND OTHER TEMPORARY LOADS PER SECTION 1607.11.2

1. ROOF PURLINS AND OTHER SECONDARY STRUCTURAL MEMBERS = **20 PSF**
2. ROOF TRUSSES, HEADERS, COLUMNS AND OTHER PRIMARY STRUCTURAL MEMBERS = **19 PSF**
3. FOOTINGS = **12 PSF** (DESIGNED FOR ROOF SNOW LOAD AND OTHER NON-TEMPORARY LOADS WITH APPROVAL FROM BUILDING OFFICIAL)

TYPICAL LUMBER SPECIFICATIONS - 2001 NDS		
SIZE	DESCRIPTION	BENDING VALUE Fb
2x4	NO. 1 & 2 SPF	1313 PSI
2x4	2100f MSR SPF	2100 PSI
2x6	NO. 1 & 2 SPF	1138 PSI
2x6	NO. 1 SYP	1650 PSI
2x8	NO. 1 SYP	1500 PSI
2x10	NO. 1 SYP	1300 PSI
2x12	NO. 1 SYP	1250 PSI
ALL	1950f MSR SYP	1950 PSI
1 1/2"x16"	LAMINATED VENEER LUMBER	2800 PSI
3 1/2"x15"	GLU-LAM	1650 PSI
5 1/4"x16 1/2"	GLU-LAM	2400 PSI
5 1/4"x19 1/2"	GLU-LAM	2400 PSI
NOTE: HIGHER GRADE MATERIAL REQUIRED AS NOTED ON PLANS.		

I HEREBY CERTIFY THAT THE STRUCTURAL DESIGN FOR THIS BUILDING WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED/REGISTERED PROFESSIONAL ENGINEER.

RONALD L. SUTTON, P.E.
MICHAEL L. MCCORMICK, P.E.
DATE: 02.23.07 REG.#_____

NOTE:
NO ONE MAY ALTER ANY ARCHITECTURAL OR ENGINEERING ITEM UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT OR LICENSED ENGINEER .

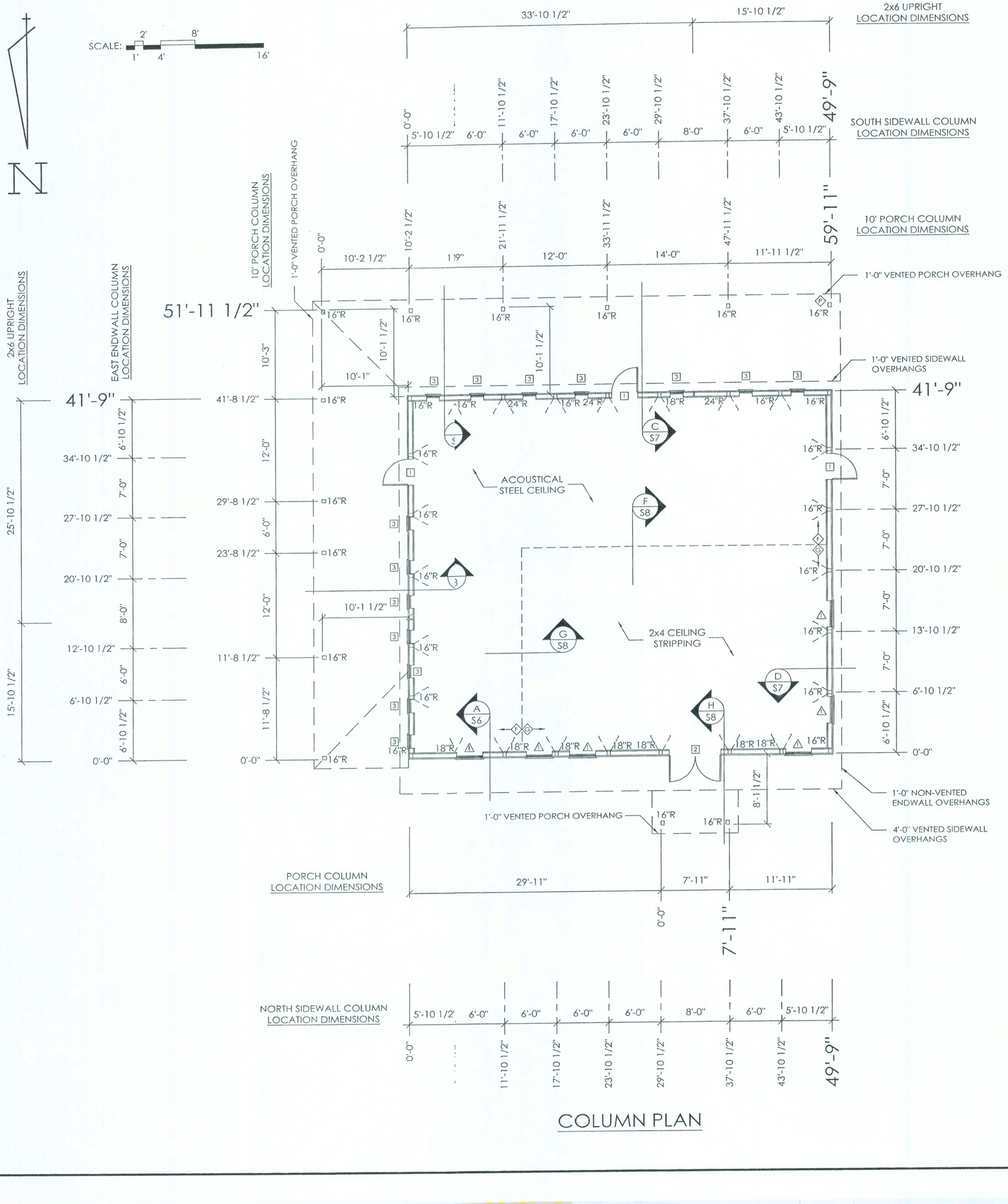
OFFICE: GAINESVILLE, FL
JOB NO. 131-0642

MARI LU GRANT/ MICHEAL DESJARDINS
HIGH SPRINGS, FL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PHONE NUMBER: 309-263-4105

DRAWN BY:	RAMEY
DATE:	02/05/07
CHECKED BY:	J WALLS
DATE:	02/22/07
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----

SCALE: AS NOTED
SHEET NO. G1 OF G1



COLUMN PLAN

COLUMN PLAN LEGEND

- ▫ - 3-2x6 LAMINATED COLUMN LOCATION
- ▮ - 2x6 STUDWALL
- [1] - (3) 3068 9-LITE FIBERSTEEL WALKDOORS W/ CROSSBUCKS, SINGLE CYLINDER DEADBOLT, CLOSER, & LOCKSET
- [2] - 6068 9-LITE FIBERSTEEL WALKDOOR W/ CROSSBUCK, SINGLE CYLINDER DEADBOLT, CLOSER, & LOCKSET
- [3] - (14) MASON DOG DOORS◆
- △ - (6) PCD 3759 PELLA DOUBLE HUNG WINDOWS
- ◇G - 60 LF 2x4 STRIPPING @ 16" O.C.
- ◇F - 124 LF 6' FRP LINER W/4' INTERIOR HI-RIB (ABOVE)
- ◇E - THE PORCH CORNER COLUMN IS SET OUT AN ADDITIONAL 1" ALONG THE LENGTH OF THE PORCH WHEN A PORCH CORNER COLUMN AND A MAIN BUILDING CORNER COLUMN "APPEAR" TO LINE UP.
- ⟩ - 81M BASE TRIM
- - 3'-6"x3'-6" FUNCTIONAL CUPOLA W/HORSE WEATHERVANE
- - 30"x30" ATTIC ACCESS (VERIFY LOCATION)
- - 2'-0" CATWALK
- - (2) #3 DEKTITE
- - ALL STEEL FASTENED W/STAINLESS STEEL SCREWS

16"R - 16" DIAMETER FOOTING W/ 8" THICK MINIMUM READI-MIX CONCRETE BELOW BOTTOM OF LOWER COLUMN WITH ADDITIONAL READI-MIX TO TOP OF 218M STILT (9"±). PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.

18"R - 18" DIAMETER FOOTING W/ 8" THICK MINIMUM READI-MIX CONCRETE BELOW BOTTOM OF LOWER COLUMN WITH ADDITIONAL READI-MIX TO TOP OF 218M STILT (9"±). PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.

24"R - 24" DIAMETER FOOTING W/ 10" THICK MINIMUM READI-MIX CONCRETE BELOW BOTTOM OF LOWER COLUMN WITH ADDITIONAL READI-MIX TO TOP OF 224M STILT (9"±). PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.

NOTE:
USE (12) NAILS IN STILT PER ENDWALL COLUMN AND USE (16) NAILS IN STILT PER SIDEWALL COLUMN.

NOTE:
◆ IDENTIFIES ITEMS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.

ROUGH OPENING SCHEDULE

UNIT SYMBOL FROM LEGEND	WIDTH	HEIGHT
[1]	38 1/4"	81"
[2]	74 3/4"	81"
[3]	VERIFY	VERIFY
△	37 1/4"	59 1/4"

OFFICE: GAINESVILLE, FL

JOB NO. 131-0642

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HIGH SPRINGS, FL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
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DRAWN BY:	RAMEY
DATE:	02/05/07
CHECKED BY:	J WALLS
DATE:	02/22/07
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----

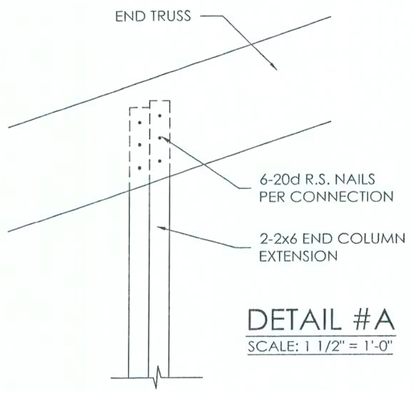
Ronald Hutton
02.23.07

SCALE: AS NOTED

SHEET NO. S1 OF S10

N

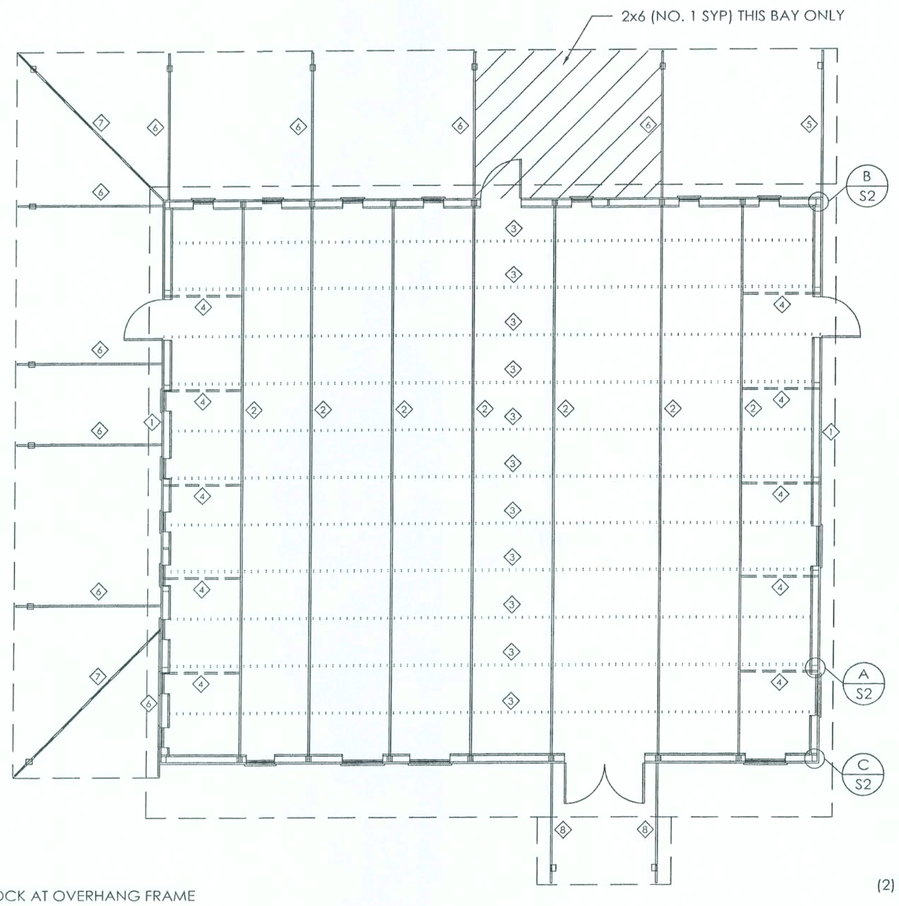
SCALE: 2' 8' / 1' 4' 16'



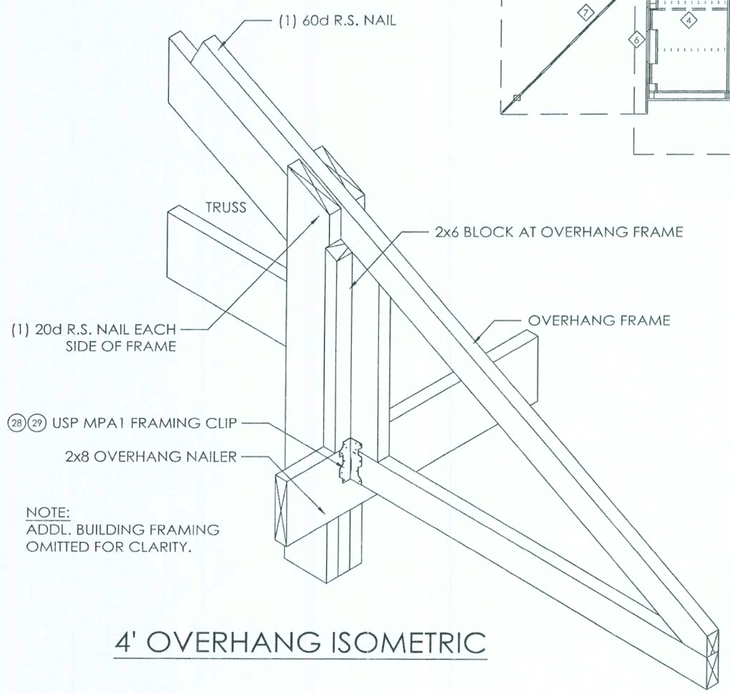
DETAIL #A
SCALE: 1 1/2" = 1'-0"

TRUSS / BRACING PLAN LEGEND

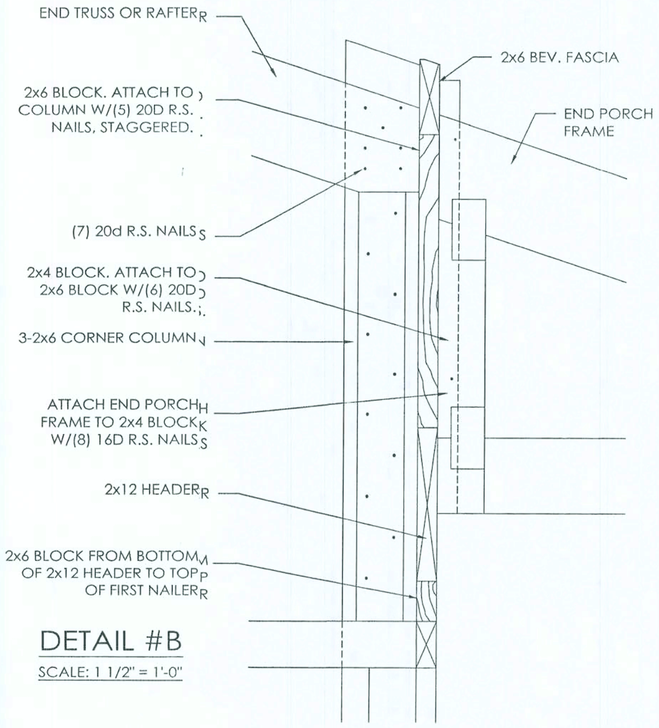
1. - 42' END TRUSSES
2. - 42' 2090 R.C. TRUSSES @ 6'-0" & 8'-0" O.C. TYPICAL
3. - CONTINUOUS 2x4 LOWER CHORD TRUSS TIES APPROXIMATELY 3'-6" O.C. TYPICAL
4. - 2x6 DIAGONAL END BRACES APPROXIMATELY 7'-0" O.C. TYPICAL
5. - 10' PORCH END FRAME
6. - CUSTOM 10' PORCH INTERMEDIATE FRAMES
7. - 10' PORCH HIPPED FRAMES
8. - 8' PORCH END FRAMES



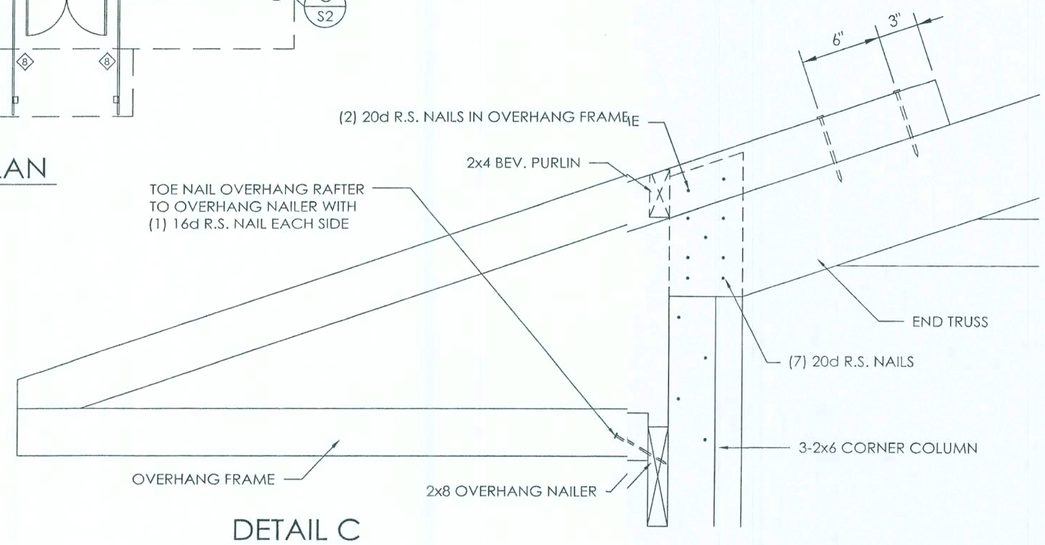
RUSS / BRACING PLAN



4' OVERHANG ISOMETRIC



DETAIL #B
SCALE: 1 1/2" = 1'-0"



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

OFFICE: GAINESVILLE, FL

JOB NO. 131-0642

MARI LU GRANT/ MICHEAL DESJARDINS

HIGH SPRINGS, FL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.

100 S. PERSHING P.O. BOX 110 MORTON, IL 61550 PHONE NUMBER: 309-263-4105

DRAWN BY:	RAMEY
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REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----

Ronald L Sutton
02.23.07

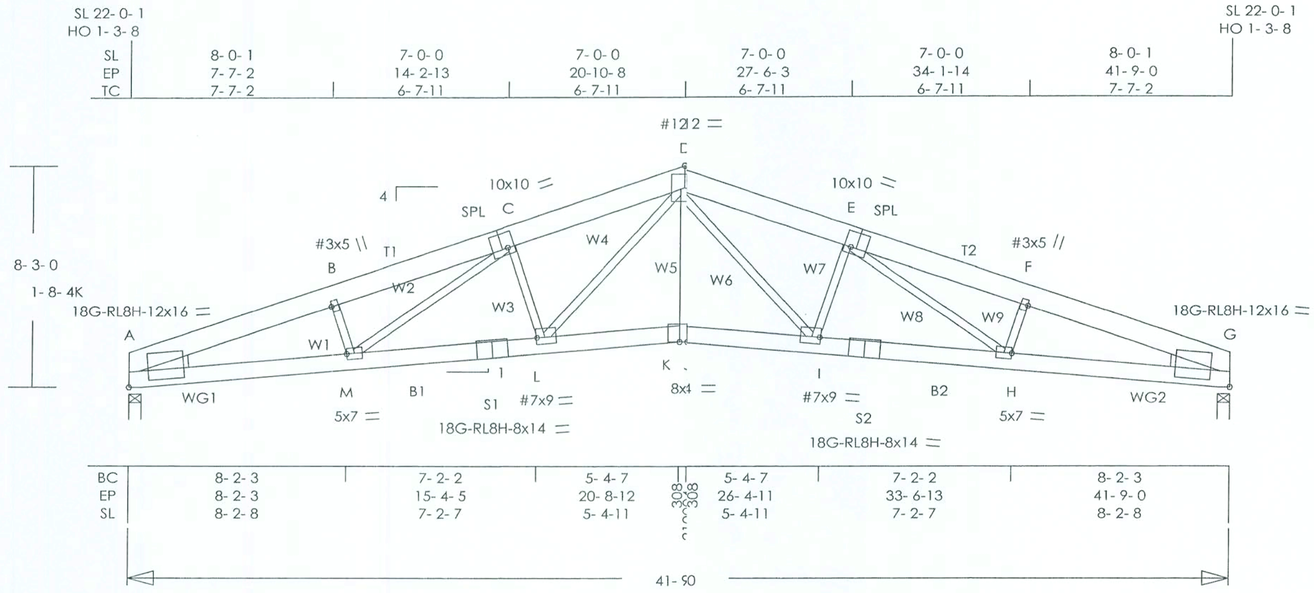
SCALE: AS NOTED

SHEET NO. S2 OF S10

TRUSS DESIGN LOAD = 279 PLF

REQUIRED TRUSS LOAD = 27 PSF AT 7'-0" O.C. = 189 PLF

LIVE LOAD	19 PSF
DEAD LOAD	4 PSF
CEILING LOAD	4 PSF
TOTAL LOAD	27 PSF



42' R.C. 2090 TRUSS

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

Robbins Engineering, Inc. c./Online Plus™ APPROX. TRUSS WEIGHT: 464.7 LBS

2090-42-RC

Online Plus -- Version 19.0.018
RUN DATE: 24-MAY-06

	CSI	-Size-	----Lumber----
TC	0.84	2x10	SP-2401
EX C	-D	2x10	SP-#1
EX D	-E	2x10	SP-#1
BC	0.90	2x 8	SP-2401
WB	0.54	2x 4	SP-#1
WG	---	2x 6	SP-#1

Brace truss as follows:

	O.C.	From	To
TC	2- 0- 0	0- 0- 0	41- 9- 0
BC	7- 6- 0	0- 0- 0	41- 9- 0

Loading	Live	Dead	(psf)
TC	25.0	4.0	
BC	0.0	2.0	
Total	25.0	6.0	31.0
Spacing			108.0"

Lumber Duration Factor 1.15
Plate Duration Factor 1.15
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	5824	0	5- 8	4-13
G	5824	0	5- 8	4-13

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.80	14041	C 0.28 0.52
B -C	0.84	13556	C 0.26 0.58
C -D	0.98	13132	C 0.42 0.56
D -E	0.98	13132	C 0.42 0.56
E -F	0.84	13557	C 0.26 0.58
F -G	0.80	14041	C 0.28 0.52
--------Bottom Chords---------			
A -M	0.90	13094	T 0.54 0.36
M -S1	0.90	13014	T 0.54 0.36
S1-L	0.64	13019	T 0.54 0.10
L -J	0.45	10119	T 0.42 0.03
J -I	0.45	10119	T 0.42 0.03
I -S2	0.64	13019	T 0.54 0.10
S2-H	0.90	13014	T 0.54 0.36
H -G	0.90	13094	T 0.54 0.36
----------Webs----------			
B -M	0.04	435	C
M -C	0.00	7	T
C -L	0.39	2058	C
L -D	0.54	3433	T
J -D	0.27	1748	T
D -I	0.54	3433	T
I -E	0.39	2058	C
E -H	0.00	7	T
H -F	0.04	435	C

TL Defl (L) -1.05" in J -I L/466
LL Defl (L) -0.84" in J -I L/579
Hz Disp LL DL TL
Jt G : 0.37" 0.09" 0.46"
Shear // Grain in A -B 0.71

Plates : for each ply each face.
PLATING G CONFORMS TO TPI.
PLATE V VALUES PER ROBBINS ENG.
ICC-ES ; NER-691
GRIP VA LUES BASED ON SP
USING G GROSS AREA TEST.
Plate - - LOCK 20 Ga, Gross Area
Plate - - RMS 20 Ga, Gross Area
Plate - - RL8H 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JST
A RL8H	12.0x16.0	16.5	2.9	1.00
B H LOCK	3.0x 5.0	Ctr	Ctr	0.49
C LOCK	10.0x10.0	-0.2	2.2	0.98
D H LOCK	12.0x12.0	Ctr	Ctr	0.82
E LOCK	10.0x10.0	0.2	2.2	0.98
F H LOCK	3.0x 5.0	Ctr	Ctr	0.49
G RL8H	12.0x16.0	-7.7	2.9	1.00

M LOCK 5.0x 7.0 Ctr Ctr 0.46
S1 RL8H 8.0x14.0 Ctr 0.4 0.80
L H LOCK 7.0x 9.0 0.5 0.5 0.78
J LOCK 8.0x14.0 Ctr 0.4 0.94
I H LOCK 7.0x 9.0-0.5 0.5 0.78
S2 RL8H 8.0x14.0 Ctr 0.4 0.80
H LOCK 5.0x 7.0 Ctr Ctr 0.46

H = Plate Monitor used

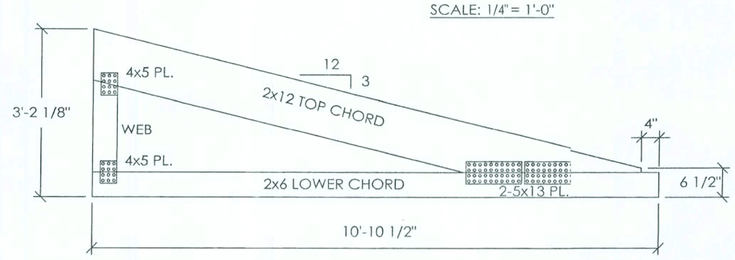
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Morton Buildings, Inc.
Analysis Conforms To:
ANSI/TPI 95 & 02
Run vertical thru bottom chord Joint J
Prevent truss rotation at all bearing locations.
Truss is designed for no ceiling load.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Max comp. force 14041 Lbs
Quality Control Factor 1.00

Robbins Engineering, Inc./Online Plot ™© 1996-2006 Version 19.0.018 Engineering - Pl Portal 6/24/2006 9:13:58 PM Page 1 of 2

42' R.C. 2090 TRUSS

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



CUSTOM 10' PORCH INTERMEDIATE FRAME

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

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION (2001 NDS for Wood Construction):
Lower Chord -- No. 1 K.D. - 19 Southern Pine
Top Chord --- 2250f MSR - 1.9E Southern Pine
Web Members -- No. 1 K.D. - 19 Southern Pine

TRUSS PLATE SPECIFICATION (ICBO Evaluation report No. 2929):
ASTM A-653, Grade A 20 Ga. and 18 Ga. where noted, galvanized steel Morton truss plates identified by a hexagon stamped every 1/4" along the center of the plate.

TRUSS SPACING	12'-0" O.C.
LIVE LOAD	20 PSF
DEAD LOAD	5 PSF
CEILING LOAD	2 PSF
TOTAL LOAD	27 PSF

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION (2001 NDS for Wood Construction):
Lower Chord -- No. 1 K.D. - 19 Southern Pine
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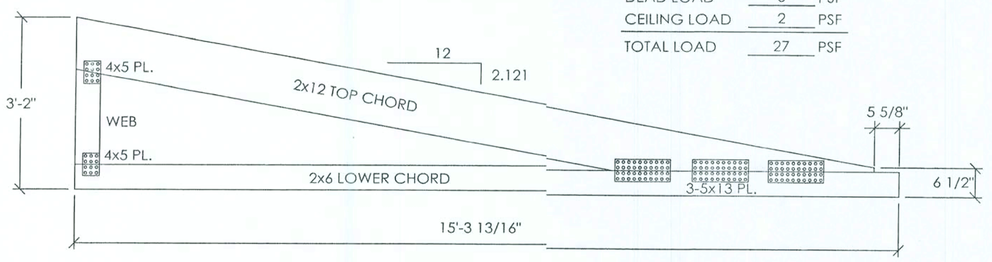
ASTM A-653, Grade A 20 Ga. and 18 Ga. where noted, galvanized steel Morton truss plates identified by a hexagon stamped every 1 1/4" along the center of the plate.

LIVE LOAD	20 PSF
DEAD LOAD	5 PSF
CEILING LOAD	2 PSF
TOTAL LOAD	27 PSF



10' PORCH HIP FRAME

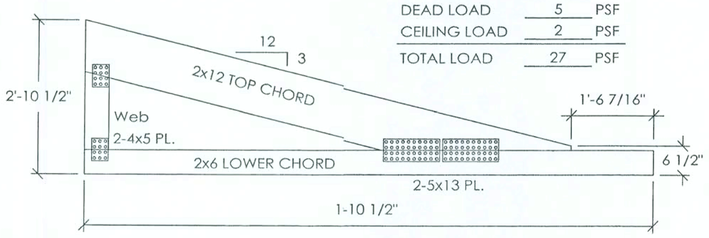
SCALE: 1/2" = 1'-0"

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current standards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION
(2001 NDS for Wood Construction):
Lower Chord -- No. 1 K.D. - 19 Southern Pine
Top Chord --- No. 1 K.D. - 19 Southern Pine
Web Members -- No. 1 K.D. - 19 Southern Pine

TRUSS PLATE SPECIFICATION
(ICBO Evaluation report No. 2929):
ASTM A-653, Grade A 20 Ga. and 18 Ga. where noted, galvanized steel Morton truss plates identified by a hexagon stamped every 1 1/4" along the center of the plate.

LIVE LOAD	20 PSF
DEAD LOAD	5 PSF
CEILING LOAD	2 PSF
TOTAL LOAD	27 PSF



10' PORCH END FRAME

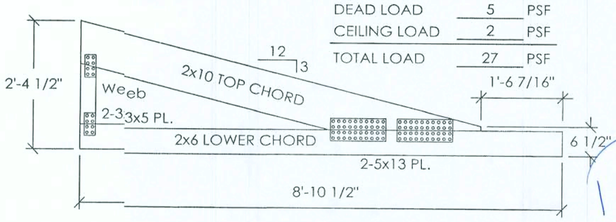
SCALE: 1/2" = 1'-0"

TRUSS DESIGN SPECIFICATION:
Truss has been designed by computer using the Purdue Plane Structure Analyzer IAW current tandards and specifications of recognized engineering principles. Trusses are manufactured by Morton Buildings, Inc.

LUMBER SPECIFICATION
2001 NDS for Wood Construction):
Lower Chord -- No. 1 K.D. - 19 Southern Pine
Top Chord --- No. 1 K.D. - 19 Southern Pine
Web Members -- No. 1 K.D. - 19 Southern Pine

TRUSS PLATE SPECIFICATION
ICBO Evaluation report No. 2929):
ASTM A-653, Grade A 20 Ga. and 18 Ga. where noted, galvanized steel Morton truss plates identified by a hexagon stamped every 1 1/4" along the center of the plate.

LIVE LOAD	20 PSF
DEAD LOAD	5 PSF
CEILING LOAD	2 PSF
TOTAL LOAD	27 PSF



8' PORCH END FRAME

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

Ronald Hatton
02.23.07

OFFICE: GAINESVILLE, FL

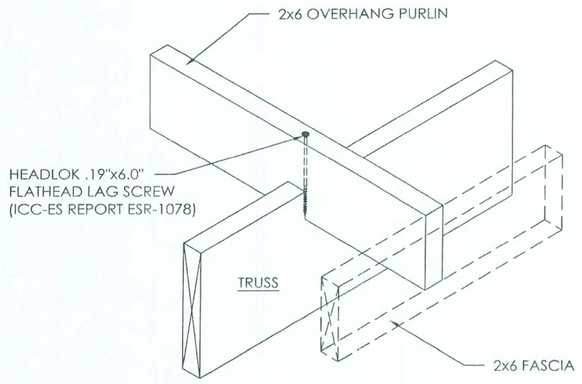
JOB NO. 131-0642

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PHONE NUMBER: 309-263-4105
MARI LU GRANT/ MICHEAL DESJARDINS
HIGH SPRINGS, FL

DRAWN BY:	RAMEY
DATE:	02/05/07
CHECKED BY:	J WALLS
DATE:	02/22/07
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----

SCALE: AS NOTED

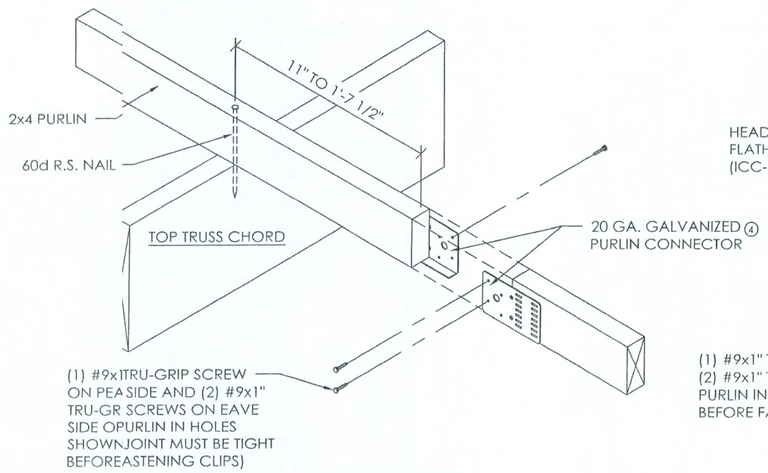
SHEET NO. S3 OF S10



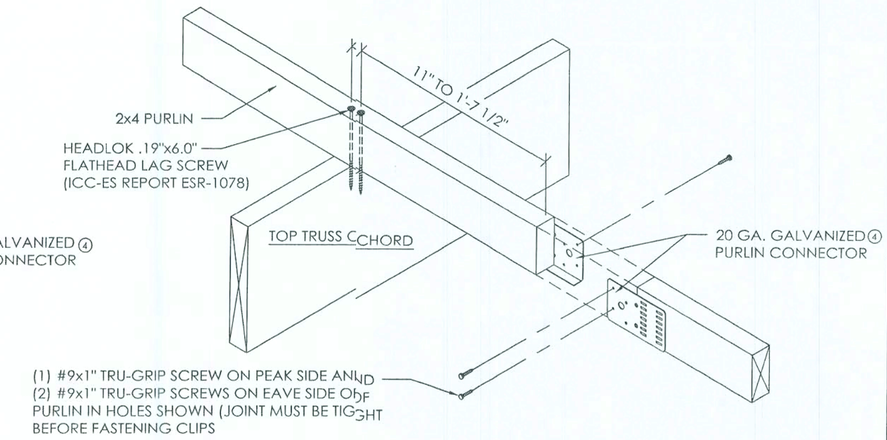
NOTE:
1'-0" END OVERHANG SHOWN

2x6 END OVERHANG DETAIL

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

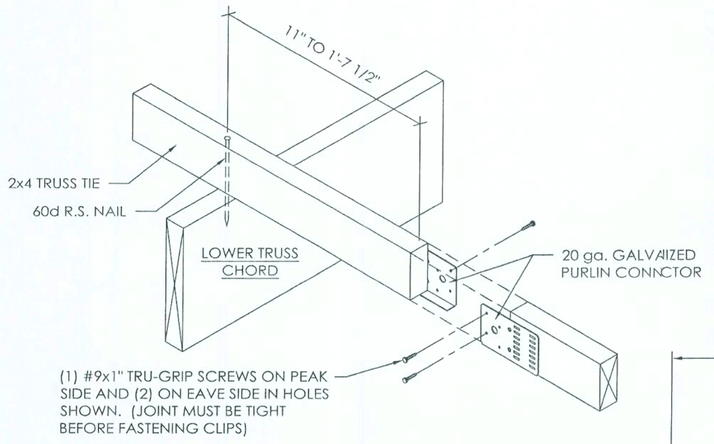


2x4 BUTTED PURLIN DETAIL

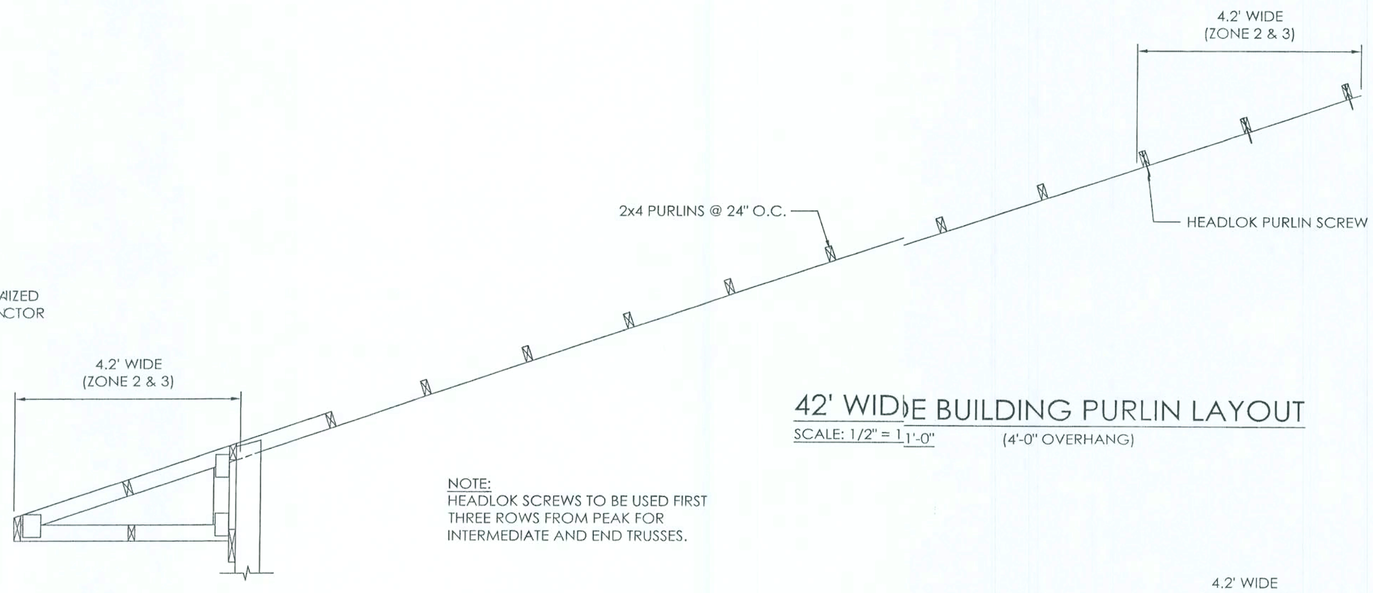


2x4 BUTTED PURLIN DETAIL

(WITH HEADLOK PURLIN SCREW)



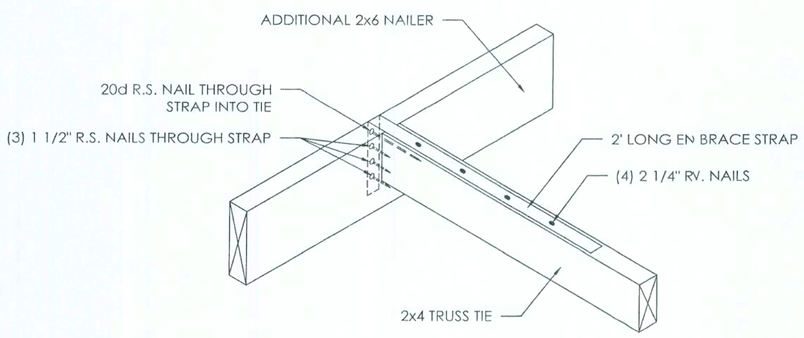
2x4 TRUSS TIE DETAIL



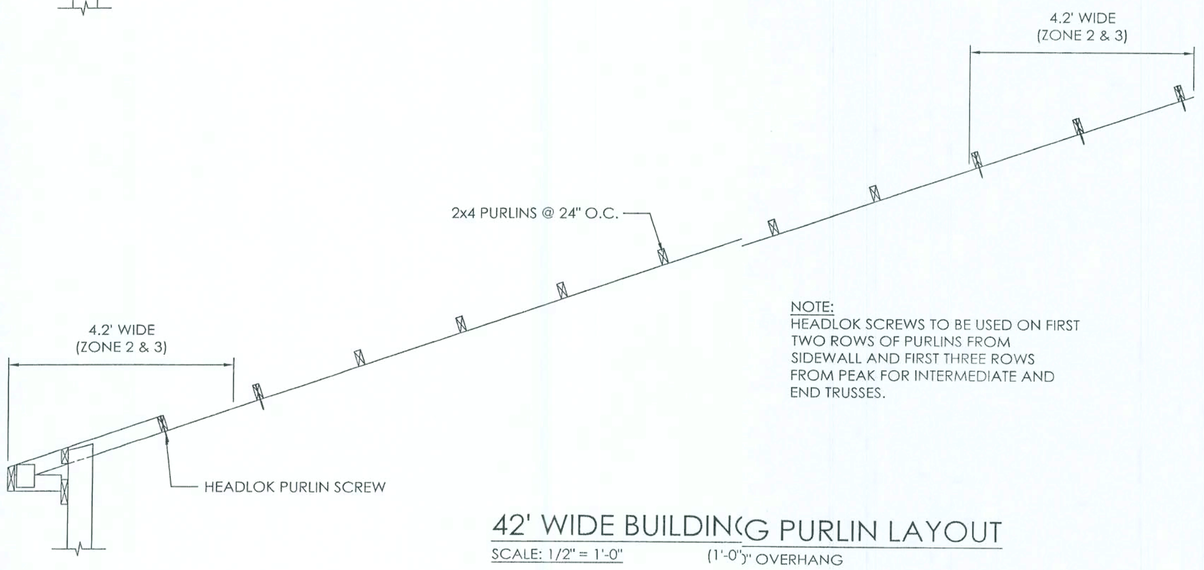
42' WIDE BUILDING PURLIN LAYOUT

SCALE: 1/2" = 1'-0" (4'-0" OVERHANG)

NOTE:
HEADLOK SCREWS TO BE USED FIRST
THREE ROWS FROM PEAK FOR
INTERMEDIATE AND END TRUSSES.



2x4 TRUSS TIE TO ENDWALL DETAIL



NOTE:
HEADLOK SCREWS TO BE USED ON FIRST
TWO ROWS OF PURLINS FROM
SIDEWALL AND FIRST THREE ROWS
FROM PEAK FOR INTERMEDIATE AND
END TRUSSES.

42' WIDE BUILDING PURLIN LAYOUT

SCALE: 1/2" = 1'-0" (1'-0" OVERHANG)

OFFICE: GAINESVILLE, FL

JOB NO. 131-0642

MARI LU GRANT/ MICHEAL DESJARDINS

HIGH SPRINGS, FL

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PHONE NUMBER: 309-263-4105

DRAWN BY:	RAMEY
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DATE:	02/22/07
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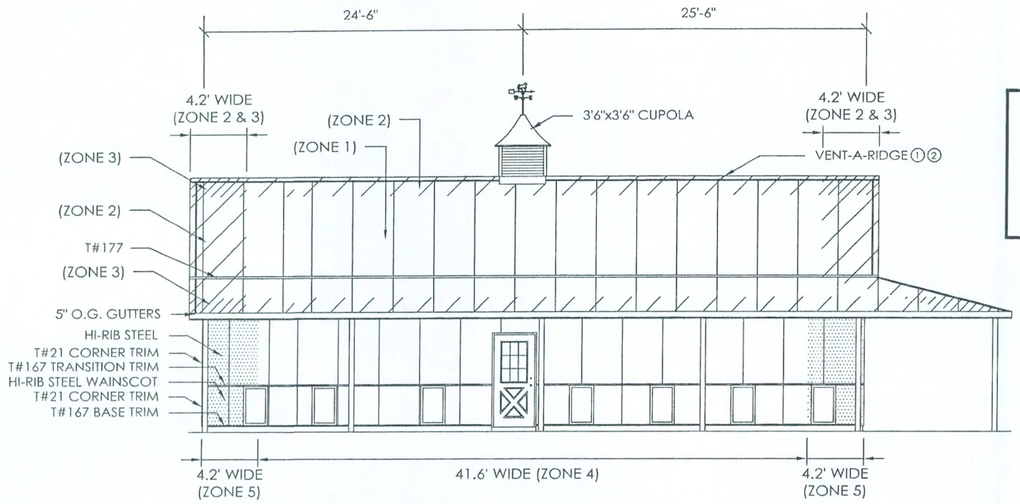
REVISED DATE:	----
REVISED DATE:	----

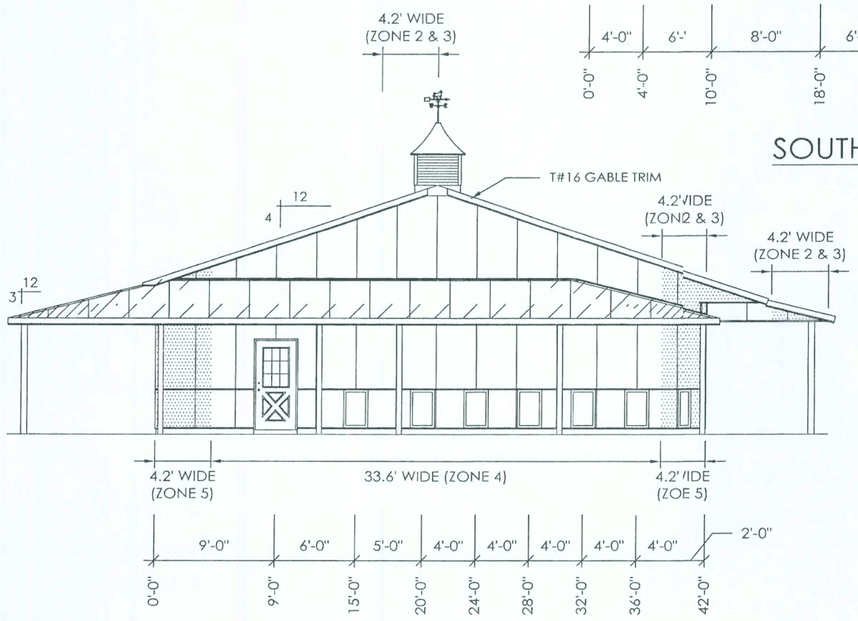
Ronald Hutton
02.23.07

SCALE: AS NOTED

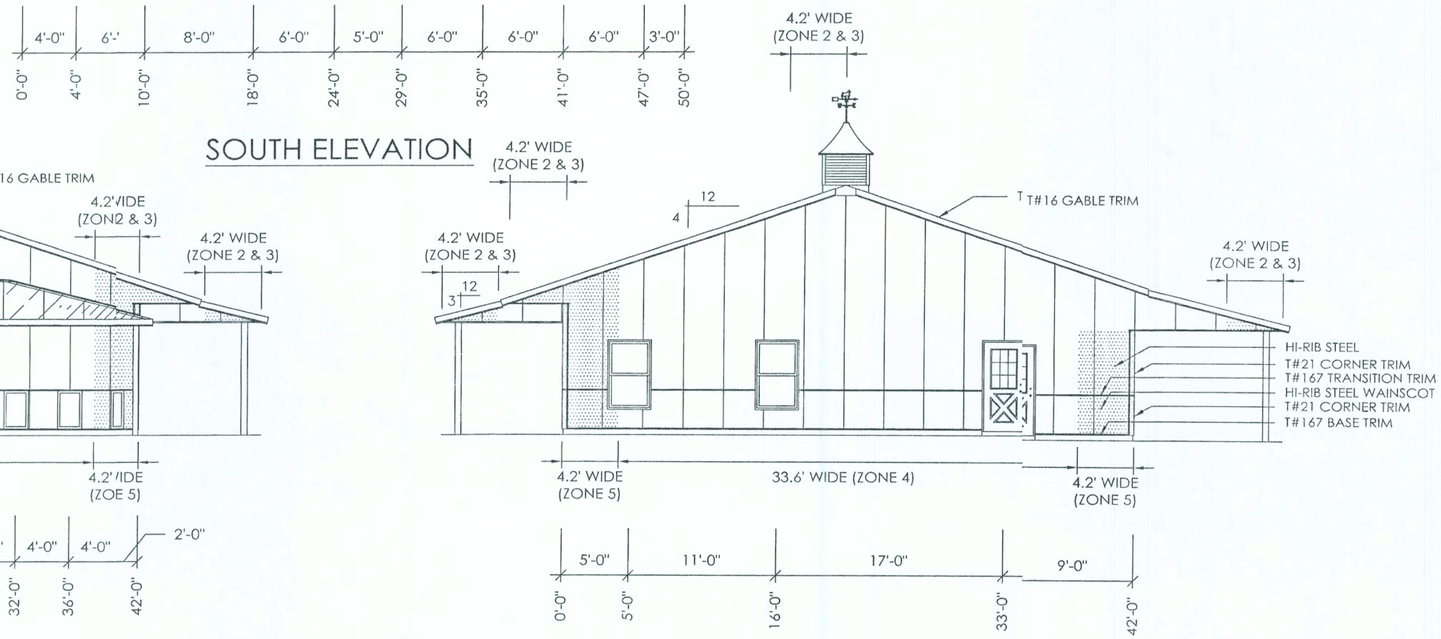
SHEET NO. S4 OF S10



NOTE:
DOOR AND WINDOW LOCATIONS ARE TAKEN FROM THE EXTERIOR FACE OF THE NAILERS AND ARE TO THE CENTER OF THE DOOR AND WINDOW UNITS. VERIFY ALL LOCATIONS WITH THE OWNER.

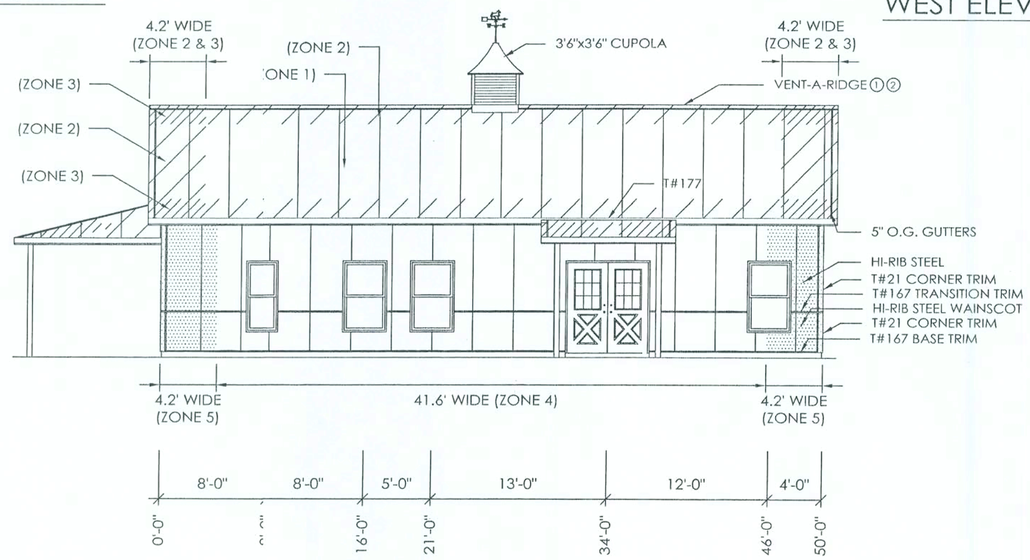


EAST ELEVATION

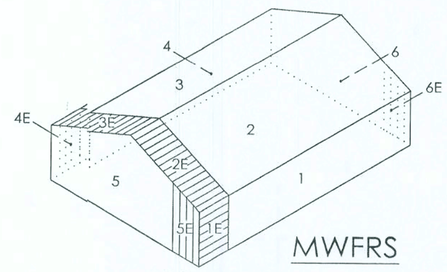


SOUTH ELEVATION

WEST ELEVATION



NORTH ELEVATION



MWFRS

SCALE: 2' 8' / 1' 4' 16'

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02.23.07

SCALE: AS NOTED

SHEET NO. S5 OF S10

ROOF STRUCTURE FASTENING SCHEDULE

①	VENT-A-RIDGE TO BASE TRIM	#9 x 1" STAINLESS STEEL RUBBER WASHER PANHEAD INTERNAL DRIVE SCREWS @ 8" o.c.
②	RIDGE BASE TRIM TO 2x4 PURLINS	#9 x 2" STAINLESS STEEL RUBBER WASHER PANHEAD INTERNAL DRIVE SCREWS AT EVERY HI-RIB (1'-0" o.c.)
③	HI-RIB STEEL TO 2X4 PURLINS	#9 x 2" STAINLESS STEEL RUBBER WASHER PANHEAD INTERNAL DRIVE SCREWS AT EVERY HI-RIB (1'-0" o.c.)
④	20 ga. GALVANIZED PURLIN CONNECTORS	#9 x 1" TRU-GRIP SCREWS
⑤	2x4 PURLINS TO TRUSS (ZONE 1)	0.200" x 6" (60d) RING SHANK NAIL IN PRE-DRILLED HOLE
⑥	2x4 PURLINS TO TRUSS (ZONE 2)	HEADLOK .19"x6.0" FLATHEAD LAGSCREW
⑦	42' RAISED CHORD TRUSS TO COLUMN	(2) 1/2" x 5 1/2" M.BOLTS & (8) 0.177" x 4" (20d) RING SHANK NAILS

WALL FRAMING FASTENING SCHEDULE

⑧	COLUMN STILT (14 GA.) TO COLUMN	(12) IN ENDWALL COLUMNS & (16) IN SIDEWALL COLUMNS 0.148" x 2" (6d) STAINLESS STEEL RING SHANK NAILS
⑨	81M BASE ANCHOR TO COLUMN	0.177" x 2-1/2" STAINLESS STEEL NAS (4) PER ANCHOR
⑩	2x8 SPLASHBOARD TO COLUMN	(4) 0.177" x 4" (20d) STAINLESS STEEL RING SHANK NAILS @ SPLICE/ (3) 0.177" x 4" (20d) RING SHANK NAILS @ STANDARD CONNECTION
⑪	2x6 NOTCHED NAILER TO COLUMN	(4) 0.177"x4" (20d) NAILS @ SPLICE(3) 0.177"x4" (20d) NAILS @ STANDARD CONNECTION
⑫	7/16" OSB TO SPLASHBOARD & NOTCHED NAILER	0.099" x 1-1/4" ASBESTOS SIDING NILS
⑬	2x4 NAILER TO COLUMN	(4) 0.177"x4" (20d) RING SHANK NAILS @ SPLICE/ (3) 0.177"x4" (20d) RING SHANK NAILS @ STANDARD CONNECTION
⑭	END TRUSS TO 2-2x6 END COLUMN EXTENSIONS	(6) 0.177" x 4" (20d) RING SHANK NILS
⑮	2x4 PURLIN TO END TRUSS (ZONE 2)	0.200" x 6" (60d) RING SHANK NAILIN PRE-DRILLED HOLE
⑯	2x4 PURLIN TO END TRUSS (ZONE 3)	HEADLOK .19"x6.0" FLATHEAD LAGCREW
⑰	HI-RIB STEEL TO NAILERS	#9 x 2" STAINLESS STEEL RUBBER WASHER PANHEAD INTERNAL DRIVE SCREWS AT EVERY HI-RIB (1'-0" o.c.)
⑱	SOFFIT TO WALL	INSERTED IN PRE-FORMED SLOT IN SOFFIT/HI-RIB CAP
⑲	SOFFIT TO FASCIA	T-50 MONEL STAPLES (2) PER PIECE

PORCH FASTENING SCHEDULE

⑳	CUSTOM 10' PORCH FRAME TO PORCH COLUMN	(1) 1/2"x5 1/2" MACHINE BOLT & (60.177" x 4" (20d) RING SHANK NAILS
㉑	2x6 PURLIN CLIPS TO PORCH FRAME	(1) 0.140" x 1 1/2" RING SHANK NAILIN EACH TOP TAB OF CLIPS & (1) 0.140" x 1 1/2" RING SHANK NAIL IN EACH SIDE TAB OF CLIPS
㉒	USP JH20 ADJUSTABLE JOIST HANGER TO HEADER	(12) #9 x 1 1/2" TRU-GRIPS SCREWS
㉓	USP JH20 ADJUSTABLE JOIST HANGER TO PORCH FRAME	(6) 0.148" x 2-7/8" (10d) GALVANIZD POLE NAIL
㉔	USP MPA1 FRAMING CLIP TO 2x10 NAILER	(6) #9 x 1 1/2" TRU-GRIP SCREWS
㉕	USP MPA1 FRAMING CLIP TO PORCH FRAME	(6) #9 x 1 1/2" TRU-GRIP SCREWS
㉖	2x4/2x6 PURLINS TO END FRAME	HEADLOK .19"x6.0" FLATHEAD LAGCREW
㉗	HI-RIB STEEL TO 2x4/2x6 PORCH PURLINS	#9x3" SCREWS
㉘	USP MPA1 FRAMING CLIP TO 2x8 OVERHANG NAILER	(4) #9x1 1/2" TRU-GRIP SCREWS
㉙	USP MPA1 FRAMING CLIP TO OVERHANG FRAME	(4) #9x1 1/2" TRU-GRIP SCREWS

(SCREWED ROOF STEEL CUPOLA FASENING)

㉚	CUPOLA CAP TO CUPOLA ROOF	(4) 1/4" x 1" PLATED MACHINE BOLTAND LOCK WASHERS
㉛	CUPOLA ROOF TO CUPOLA SIDES	PRE-FORMED CRIMPED METAL CONECTIONS AND (8) #9 x 1" STAINLESS STEEL RUBBER WASHER PANHEAD INERNAL DRIVE SCREWS
㉜	CUPOLA SIDES TO CUPOLA BASE FRAME	#9 x 1" STAINLESS STEEL RUBBER WASHER PANHEAD INTERNAL DRIVE SCREWS (4) PER SIDE (16) TOTAL
㉝	CUPOLA BASE FRAME TO OSB CUPOLA SUPPORT	0.131"x2 7/8" 10d R.S. NAILS @ 6" o.c
㉞	OSB CUPOLA SUPPORT TO TREATED BEVELED BLOCK	0.148" x 3-1/2" (16d) RING SHANK NILS @ 8" o.c.
㉟	TREATED BEVELED BLOCK TO 2x4 CUPOLA BLOCKS	1/4" x 4-1/2" LAG SCREW W/ 1/4" FLAT WASHER AT EVERY HI-RIB (1'-0" o.c.)
㊱	2x4 CUPOLA BLOCKS TO FRAMING CLIPS	(2) 0.135" x 1-1/2" RING SHANK NAIL
㊲	FRAMING CLIPS TO PURLINS	(2) 0.135" x 1-1/2" RING SHANK NAILIN SIDE OF PURLIN AND (2) 0.135" x 1-1/2" RING SHANK NAILS IN TOP OFURLIN

NOTE:
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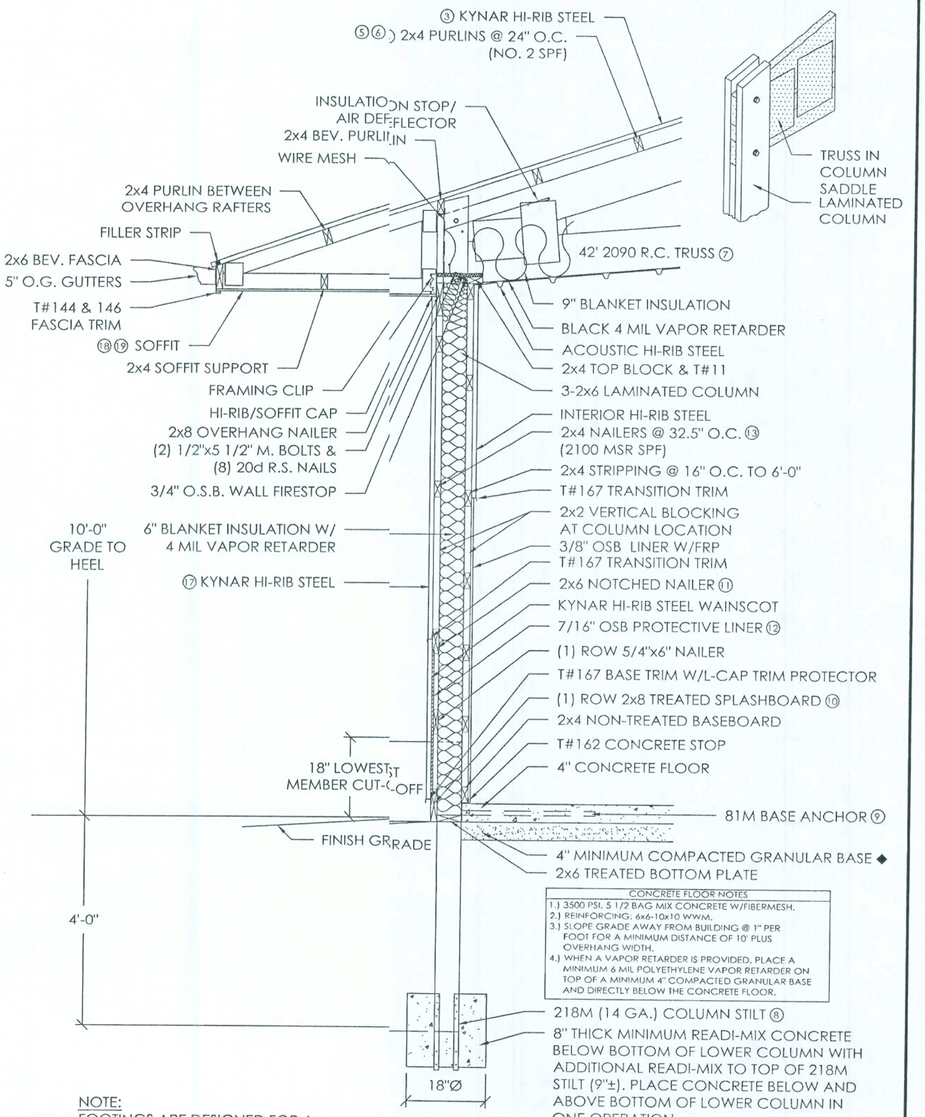
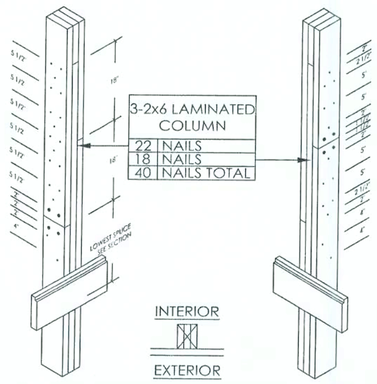


NOTE:
FOOTINGS ARE DESIGNED FOR A 2000 PSF SOIL BEARING CAPACITY. LOCAL CONDITIONS MAY REQUIRE MODIFICATIONS.

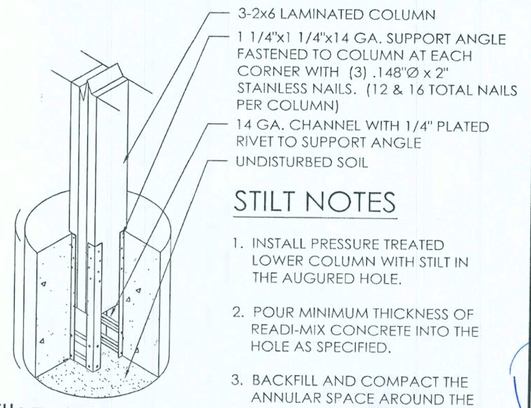
SIDEWALL SECTION A

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



3-2x6 COLUMN SPLICE FASTENING DETAIL

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



STILT ISOMETRIC

STILT NOTES

1. INSTALL PRESSURE TREATED LOWER COLUMN WITH STILT IN THE AUGURED HOLE.
2. POUR MINIMUM THICKNESS OF READI-MIX CONCRETE INTO THE HOLE AS SPECIFIED.
3. BACKFILL AND COMPACT THE ANNULAR SPACE AROUND THE COLUMN TO GRADE WITH SOIL AUGURED FROM THE SITE.

Ronald Hutton
02.23.07

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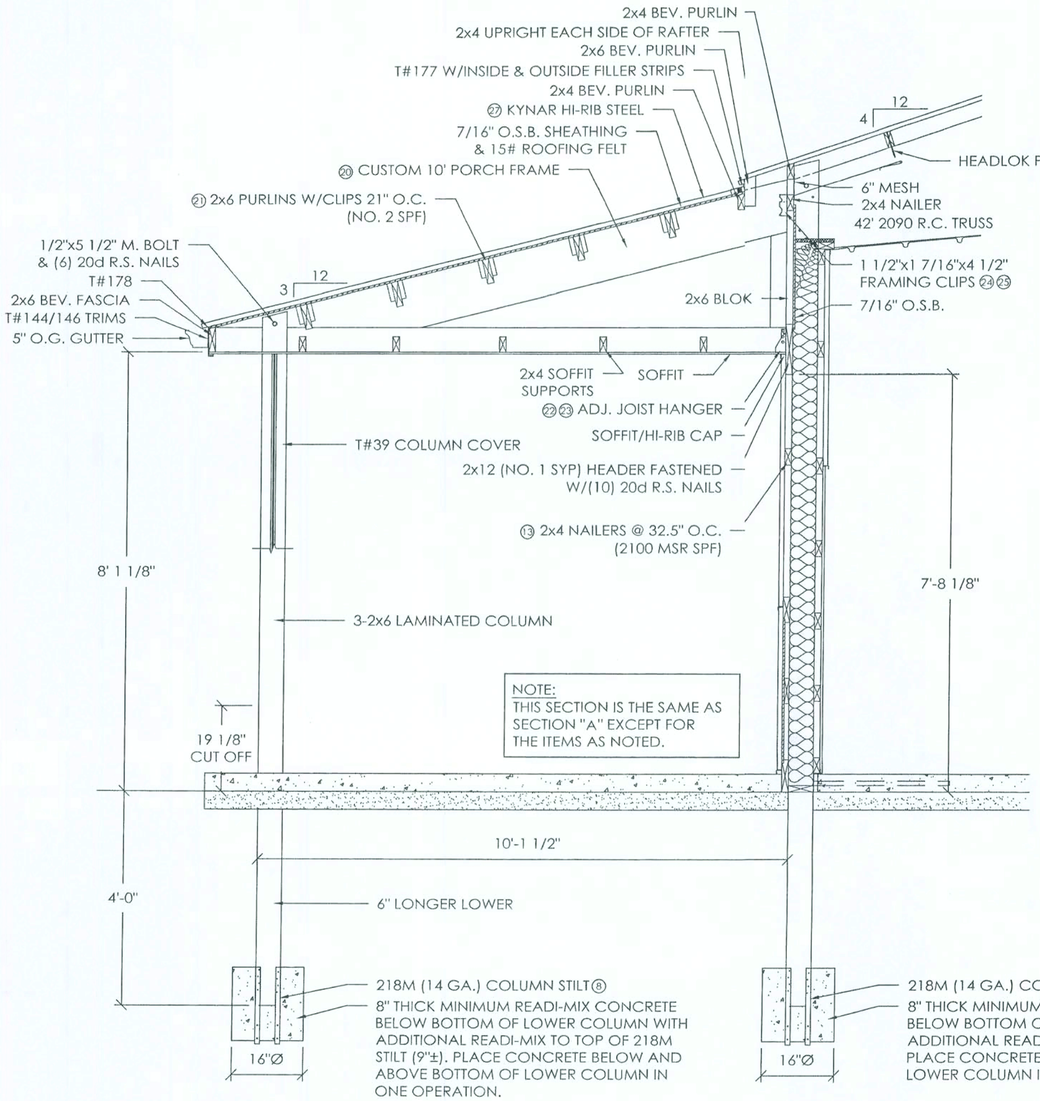
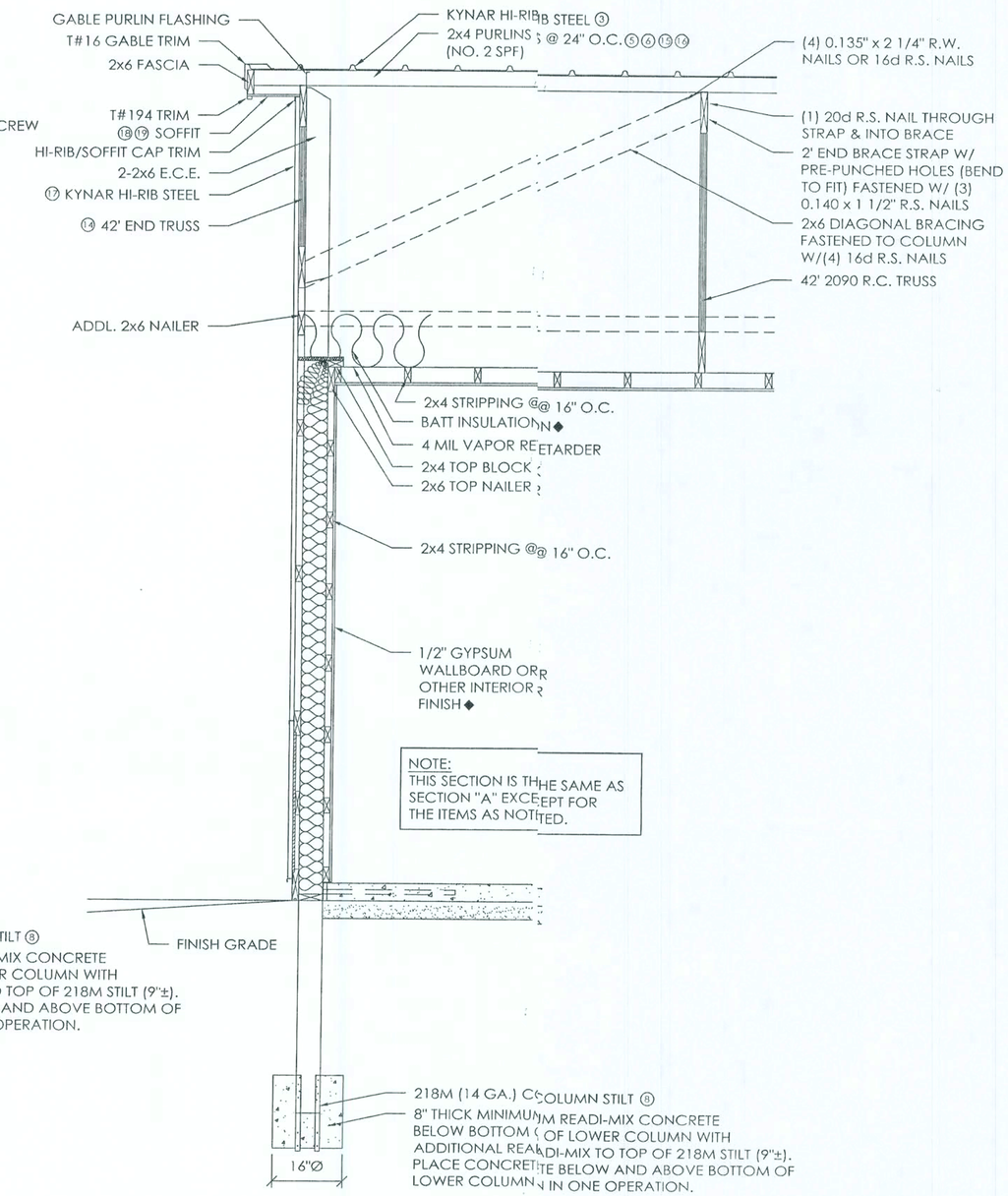
SCALE: AS NOTED
SHEET NO. S6 OF S10



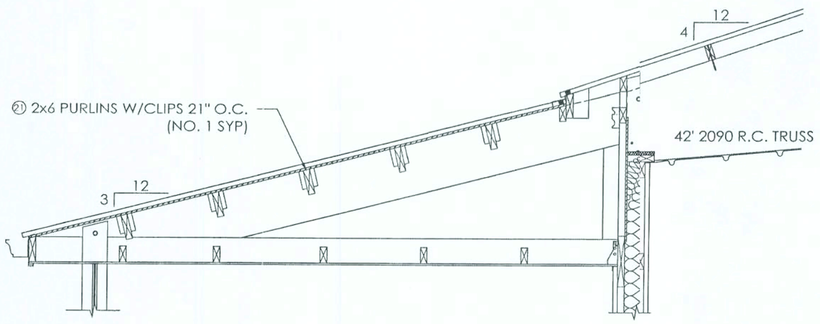
10' PORCH SECTION B

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



ENDWALL SECTION D

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



10' PORCH SECTION C

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

NOTE:
THIS SECTION ITHE SAME AS SECTION "B" ECEPT FOR THE ITEMS AS NOTED.

NOTE:
◆ IDENTIFIES ITEMS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.

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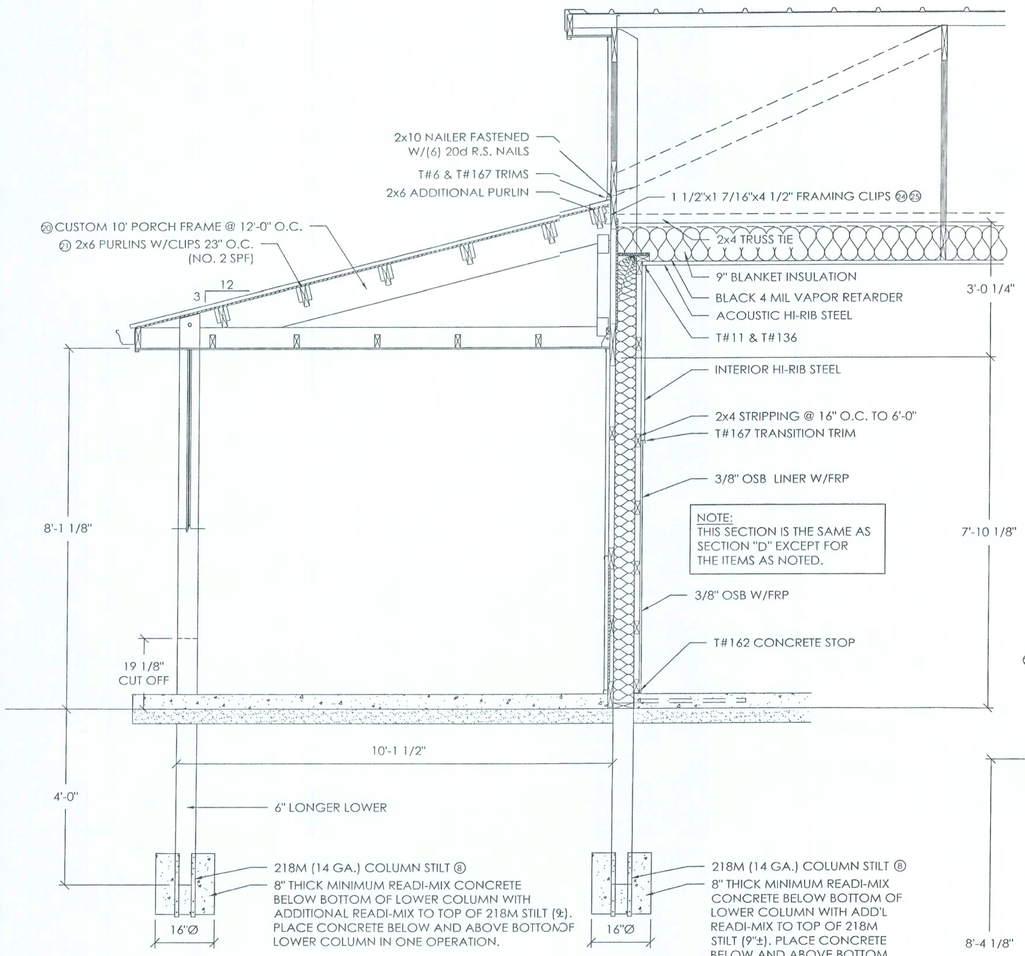
REVISED DATE:	----

Ronald L Hutto
02.23.07

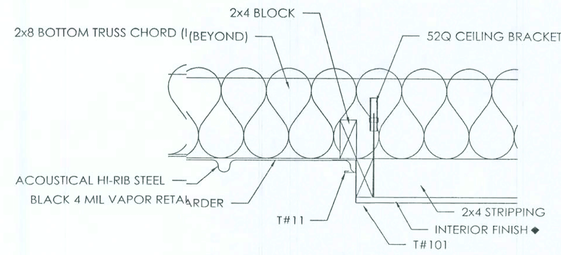
SCALE: AS NOTED

SHEET NO. S7 OF S10



10' PORCH SECTION E

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



CEILING TRANSITION SECTION F

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

NOTE:
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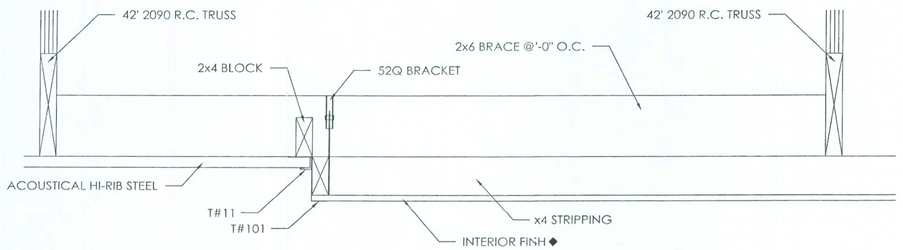
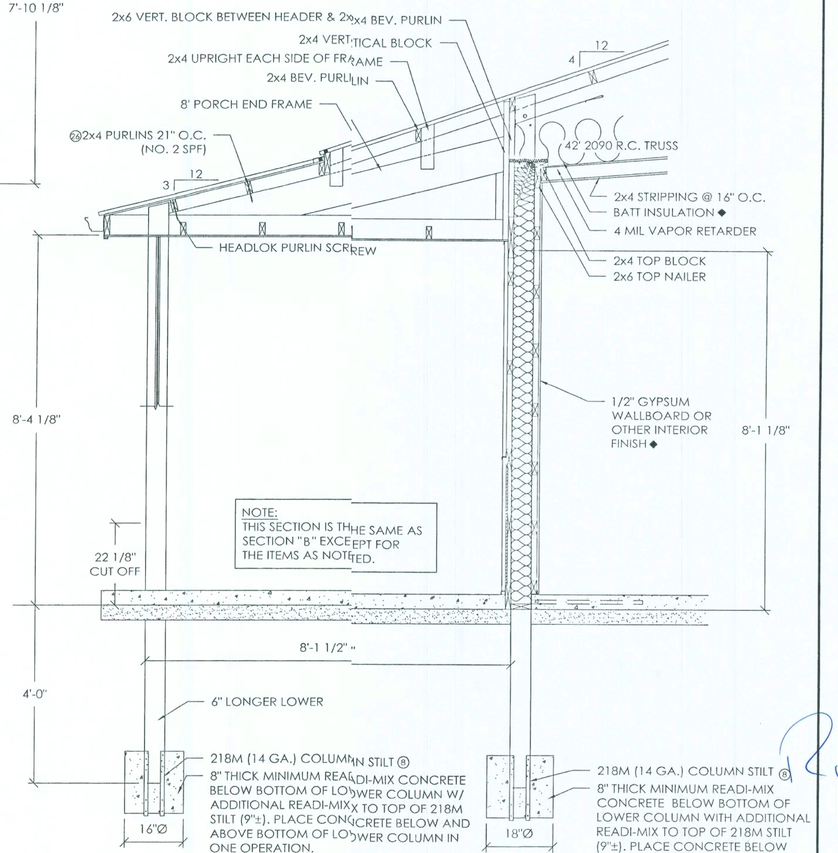


CEILING TRANSITION SECTDN G

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



8' PORCH SECTION H

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

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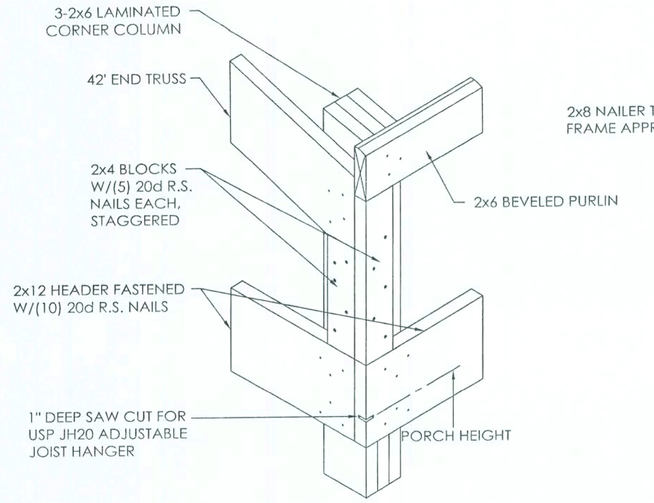
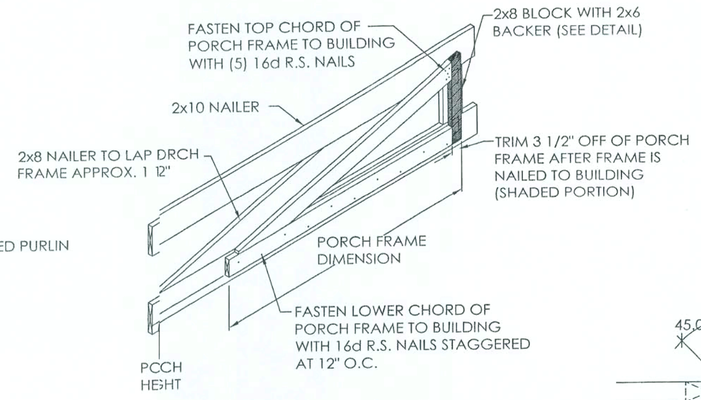
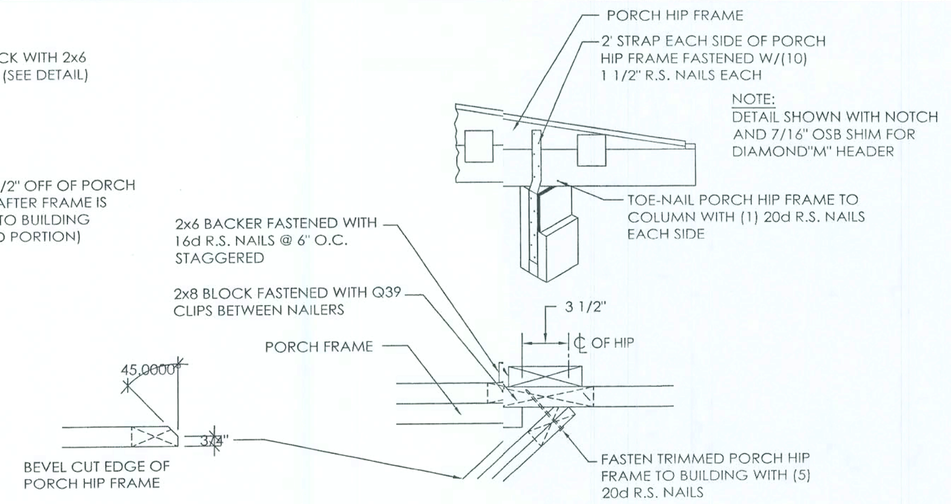
02.23.07

SCALE: AS NOTED

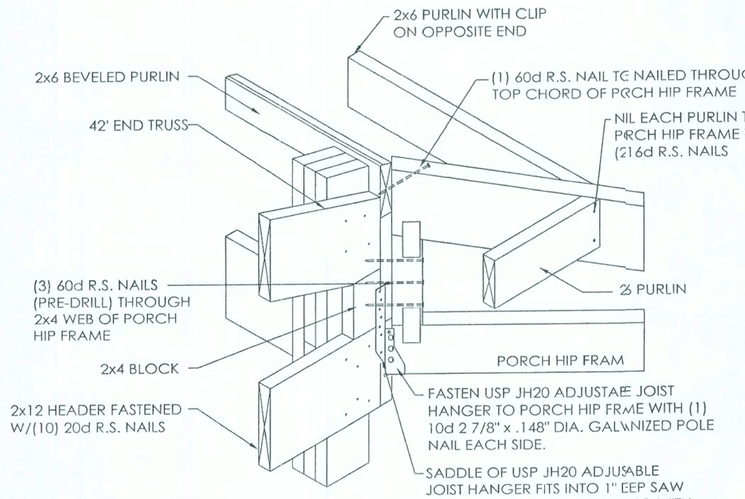
SHEET NO. S8 OF S10

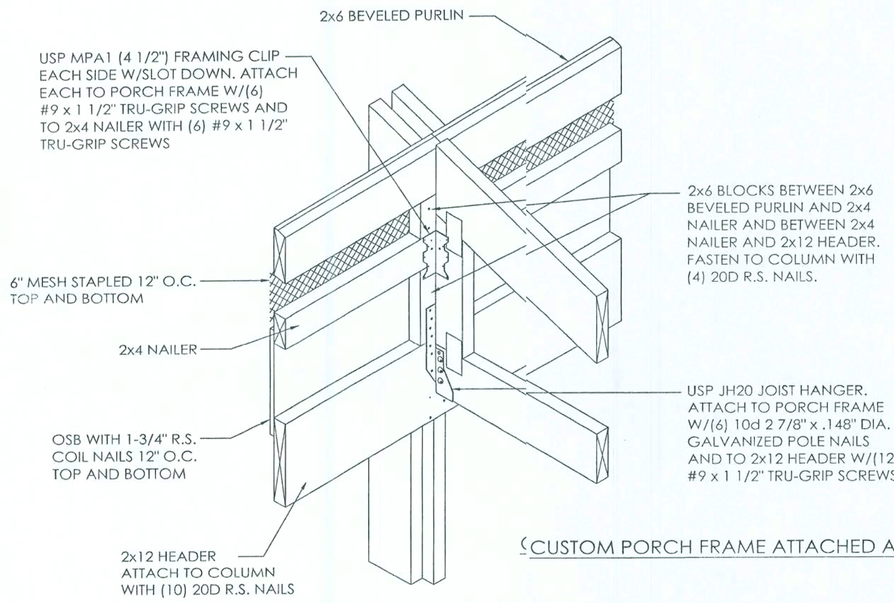




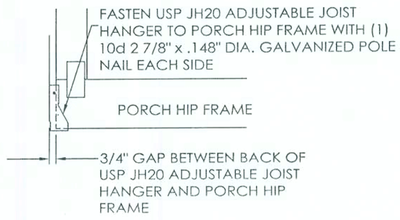


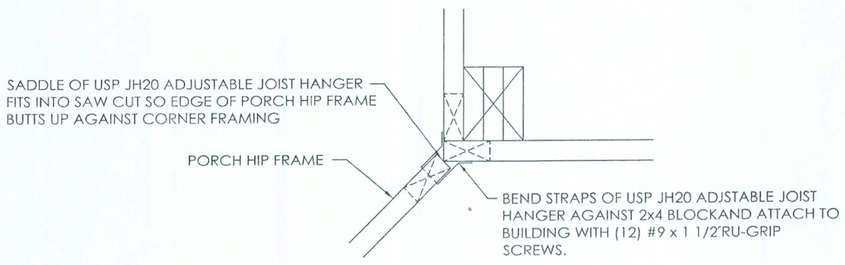
PORCH HIP FRAME ATTACHMENT TO BUILDING

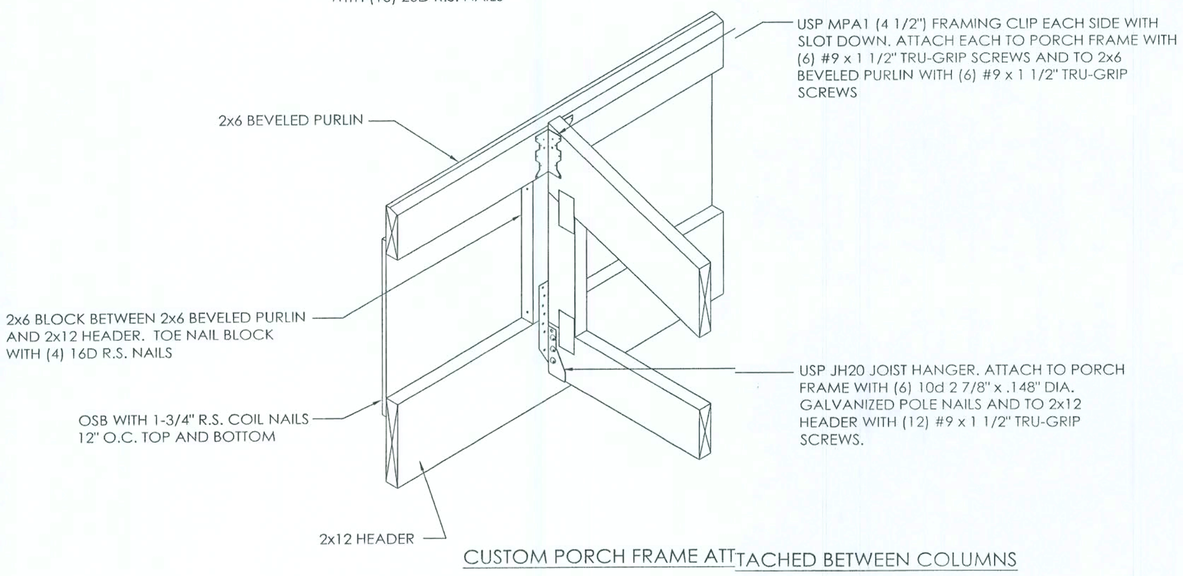




CUSTOM PORCH FRAME ATTACHED AT A COLUMN







CUSTOM PORCH FRAME ATTTACHED BETWEEN COLUMNS

ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
PHONE NUMBER: 309-263-4105
MARI LU GRANT/ MICHEAL DESJARDINS
HIGH SPRINGS, FL

OFFICE: GAINESVILLE, FL

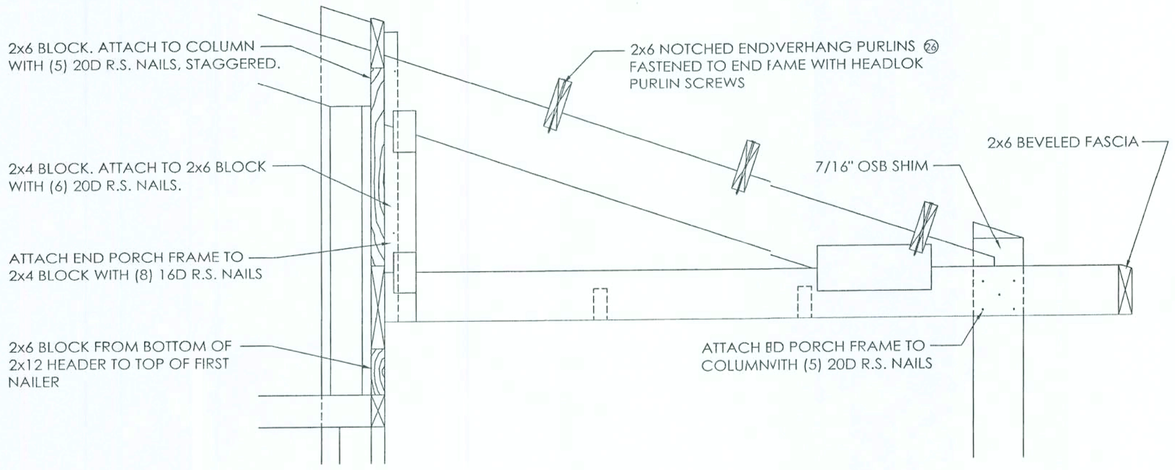
JOB NO. 131-0642

DRAWN BY:	RAMEY
DATE:	02/05/07
CHECKED BY:	J WALLS
DATE:	02/22/07
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----

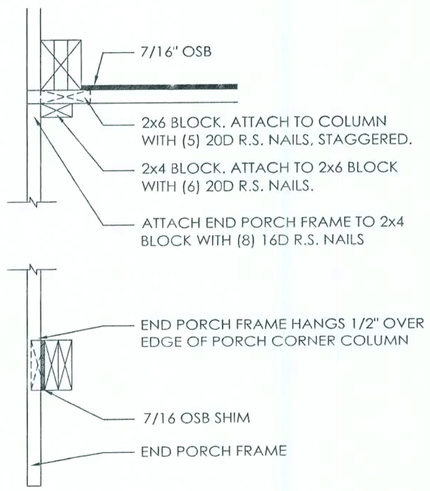
02.23.07

SCALE: AS NOTED

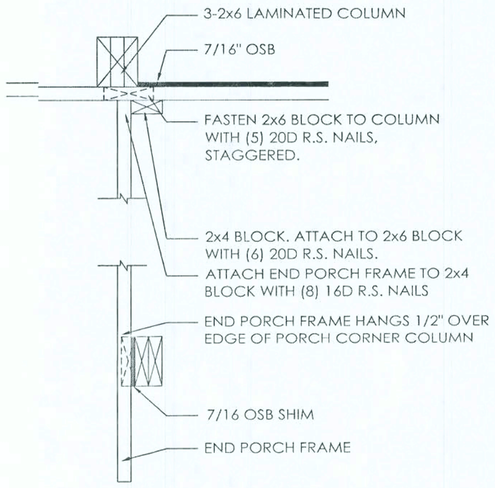
SHEET NO. S9 OF S10



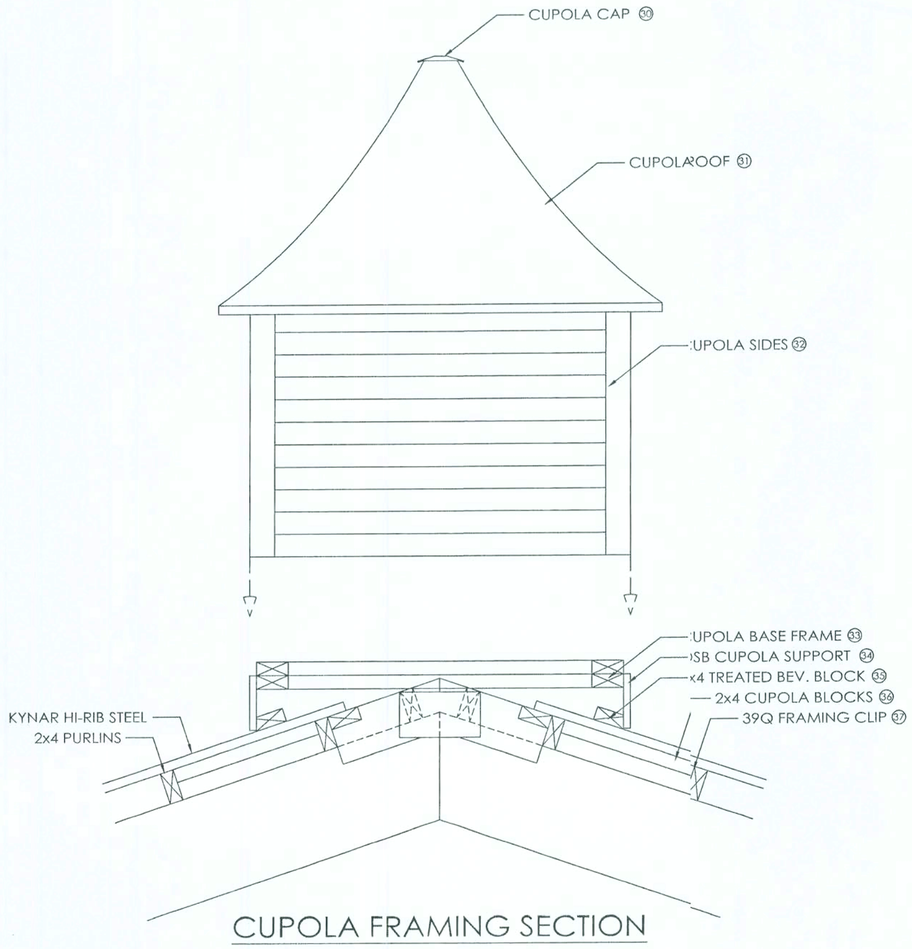
END VIEW OF END PORCH FRAME (SHOWN WITH END OVERHANG)



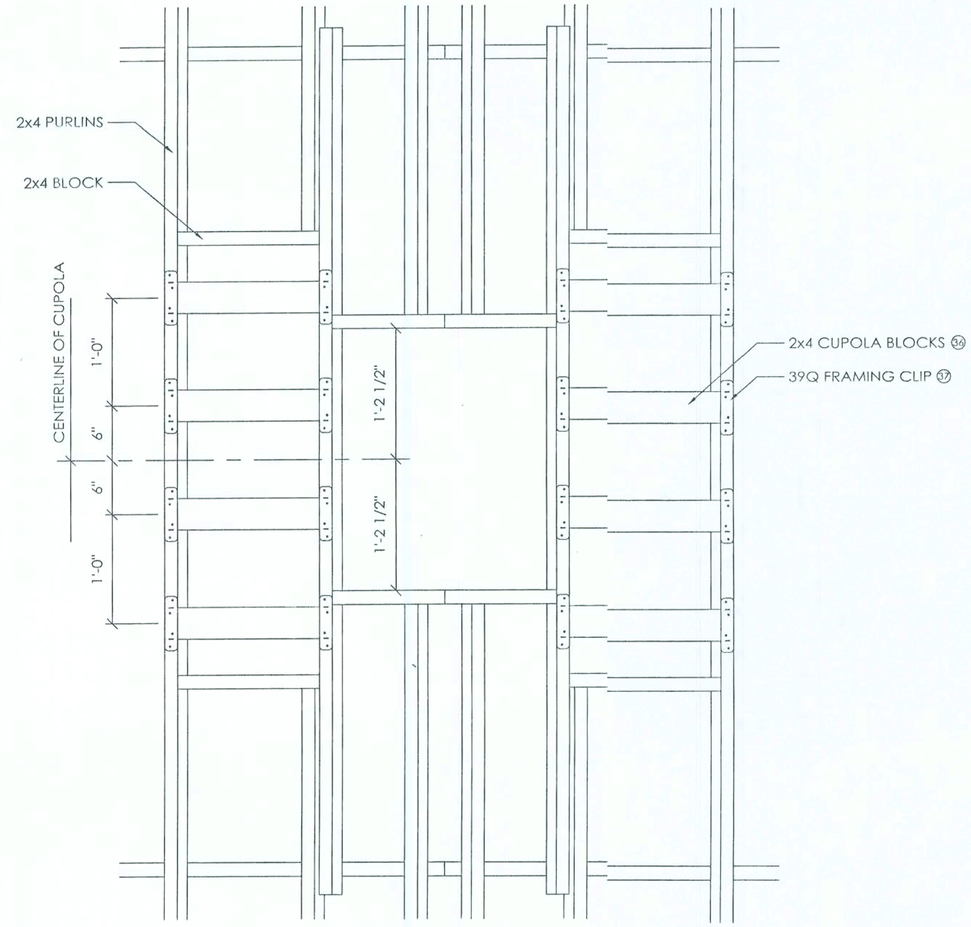
PORCH ENDS AT CORNER COLUMN



PORCH ENDS ALONG BUILDING



CUPOLA FRAMING SECTION



CUPOLA FRAMING DETAIL

OFFICE: GAINESVILLE, FL

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ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
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MARI LU GRANT/ MICHEAL DESJARDINS

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DRAWN BY:	RAMEY
DATE:	02/05/07
CHECKED BY:	J WALLS
DATE:	02/22/07
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----
REVISED DATE:	----

Roger Hutton
02.23.07

SCALE: AS NOTED

SHEET NO. S10 OF S10