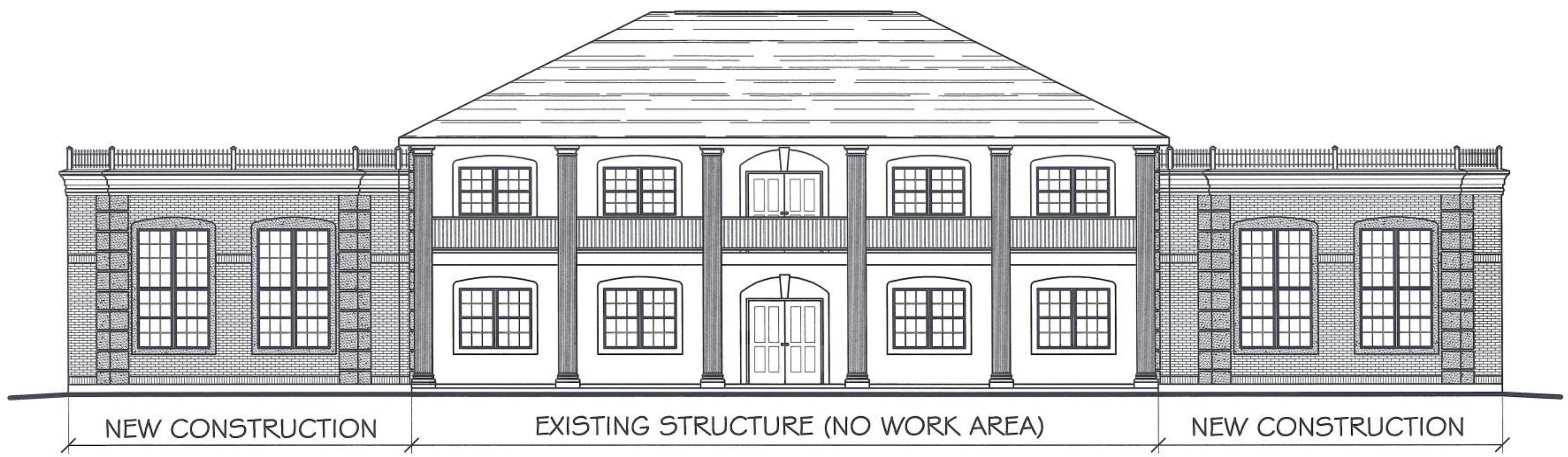
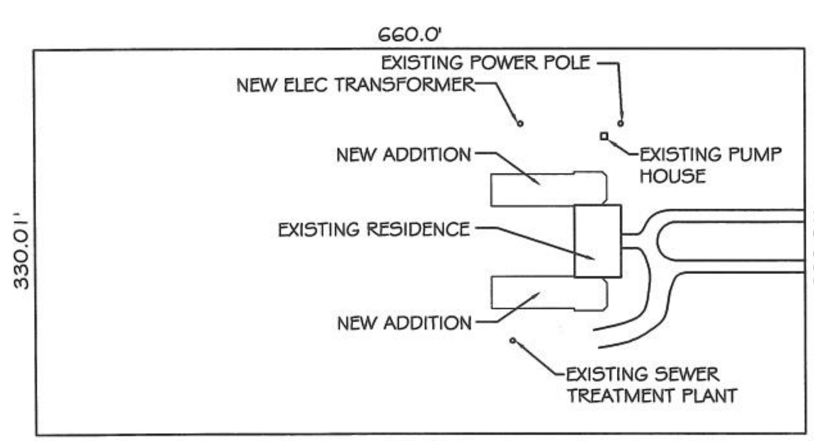
PAUL WRIGHT
ADDITION TO EXISTING RESIDENCE
67111 LOUISIANA HWY. 434
LACOMBE, LA 70135

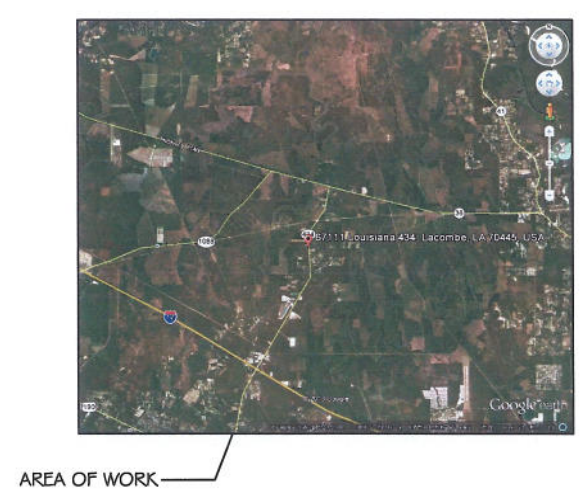


DESIGN CRITERIA:

THE CONSTRUCTION FOR SAID RESIDENCE, WHERE BASIC WIND SPEED IS 130 MILES PER HOUR, WIND EXPOSURE ZONE C, IS DESIGNED IN ACCORDANCE WITH:
AMERICAN FOREST AND PAPER ASSOCIATION (AF&PA)
WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (WFCM) 2001 EDITION
AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2009 EDITION



SITE PLAN
N.T.S.



VICINITY MAP
N.T.S.

TOTAL GROUND FLOOR AREA: 8,200 SQ.FT.

EXISTING STRUCTURE (GROUND FLOOR ONLY): 2,450 S.F.
NEW SOUTH WING: 3,000 S.F.
NEW NORTH WING: 2,750 S.F.

INDEX OF DRAWINGS

SHT#	DWG#	DRAWING NAME	REVISED
1		COVERSHEET	
2	S-1	FOUNDATION PLAN	
3	A-1	FLOOR PLAN	
4	A-2	FRONT ELEVATION	
5	A-3	SIDE ELEVATION	
6	A-4	COURTYARD ELEVATIONS	
7	A-5	SECTIONS	
8	A-6	SECTIONS	
9	M-1	MECHANICAL PLAN	
10	E-1	POWER PLAN	
11	E-2	LIGHTING PLAN	
12	P-1	PLUMBING PLAN	

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DATE: 06-06-2013	CHECKED BY: BSN
JOB No: 2147	DRAWN BY: BSN

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EMMETT G. DAMMON, JR.
License No. 8796
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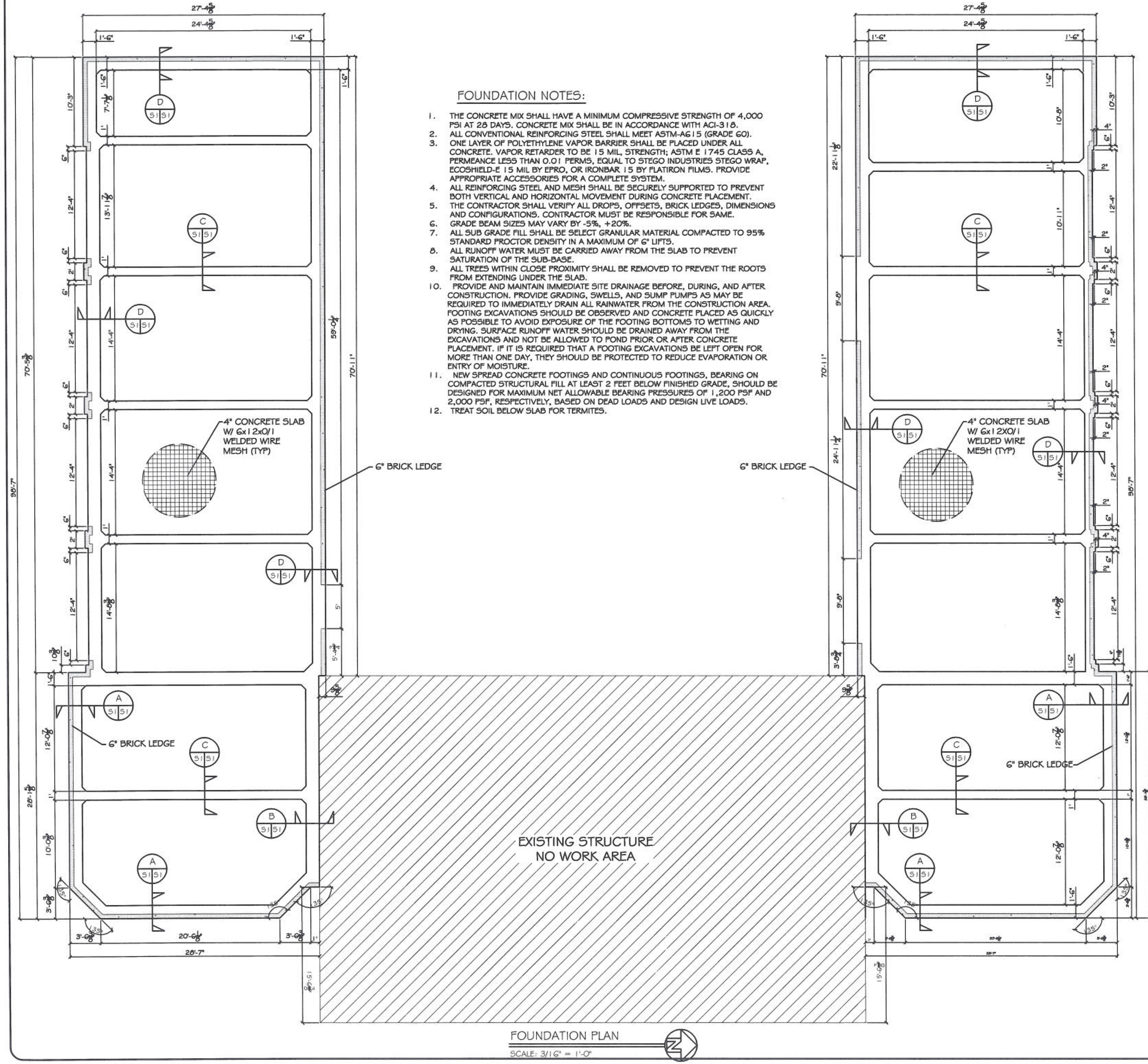
[illegible]

SHEET No: 1 OF 12

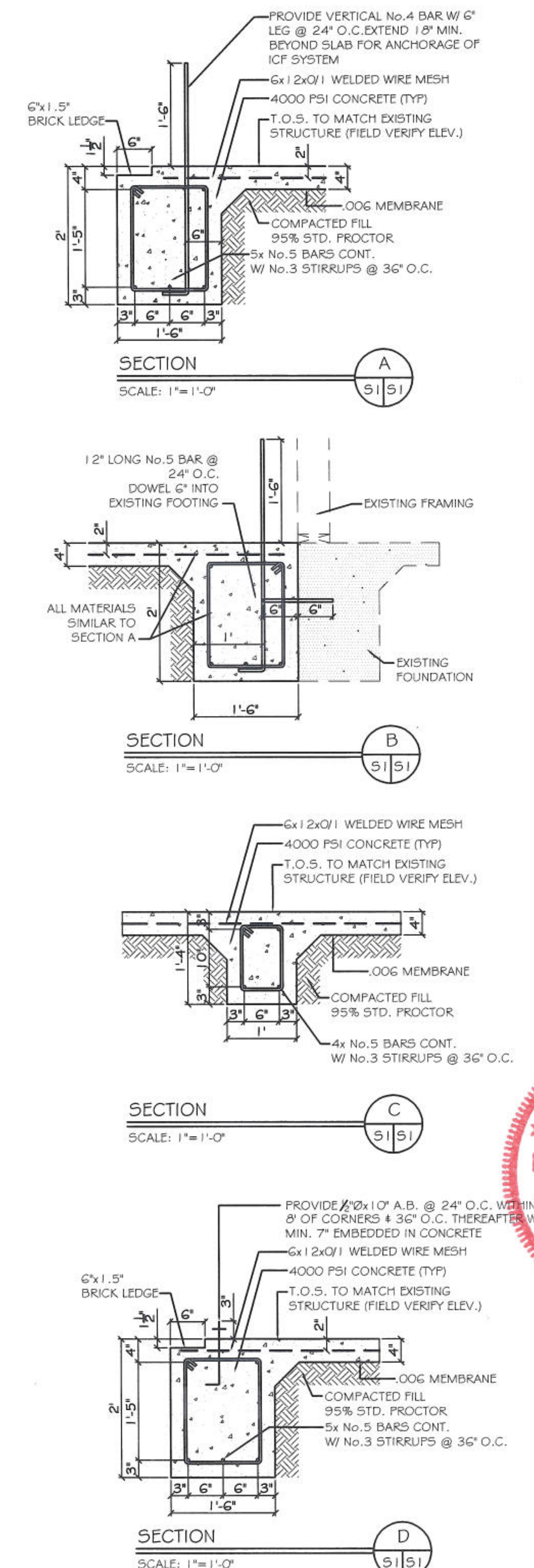


FOUNDATION PLAN

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

FOUNDATION NOTES:

1. THE CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
2. ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
3. ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE 15 MIL, STRENGTH; ASTM E 1745 CLASS A, PERMEANCE LESS THAN 0.01 PERMS, EQUAL TO STEGO INDUSTRIES STEGO WRAP, ECOSHIELD-E 15 MIL BY EPRO, OR IRONBAR 15 BY FLATIRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
4. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
5. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK LEDGES, DIMENSIONS AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
6. GRADE BEAM SIZES MAY VARY BY -5%, +20%.
7. ALL SUB GRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6" LIFTS.
8. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
9. ALL TREES WITHIN CLOSE PROXIMITY SHALL BE REMOVED TO PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.
10. PROVIDE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING, AND AFTER CONSTRUCTION. PROVIDE GRADING, SWELLS, AND SUMP PUMPS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAINWATER FROM THE CONSTRUCTION AREA. FOOTING EXCAVATIONS SHOULD BE OBSERVED AND CONCRETE PLACED AS QUICKLY AS POSSIBLE TO AVOID EXPOSURE OF THE FOOTING BOTTOMS TO WETTING AND DRYING. SURFACE RUNOFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND PRIOR OR AFTER CONCRETE PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATIONS BE LEFT OPEN FOR MORE THAN ONE DAY, THEY SHOULD BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF MOISTURE.
11. NEW SPREAD CONCRETE FOOTINGS AND CONTINUOUS FOOTINGS, BEARING ON COMPACTED STRUCTURAL FILL AT LEAST 2 FEET BELOW FINISHED GRADE, SHOULD BE DESIGNED FOR MAXIMUM NET ALLOWABLE BEARING PRESSURES OF 1,200 PSF AND 2,000 PSF, RESPECTIVELY, BASED ON DEAD LOADS AND DESIGN LIVE LOADS.
12. TREAT SOIL BELOW SLAB FOR TERMITES.



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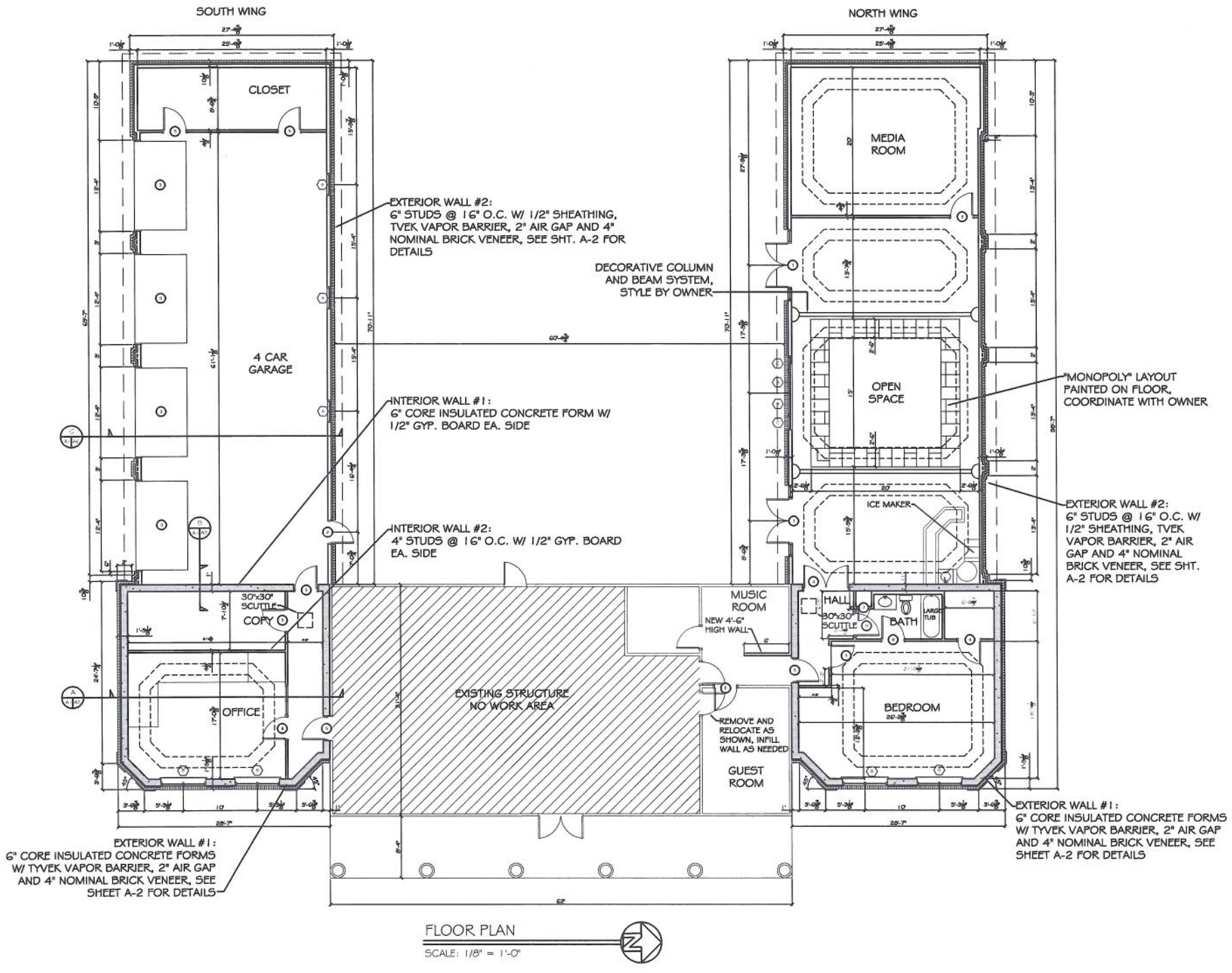
FOUNDATION PLAN

SHEET No: 02 OF 12

S-1



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

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS AT THE JOB SITE AND SHALL NOTIFY DESIGNER OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BEFORE PROCEEDING WITH THE JOB.

2. CONTRACTOR MUST COMPLY WITH RULES AND REGULATIONS OF AGENCIES HAVING JURISDICTION AND SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL CONSTRUCTION, SAFETY AND SANITARY LAWS, CODES, STATUTES AND ORDINANCES. ALL FEES, TAXES, PERMITS, APPLICATIONS AND CERTIFICATES OF INSPECTION, AND THE FILING OF ALL WORK WITH GOVERNMENTAL AGENCIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3. ALL WORK SHALL BE PERFORMED BY SKILLED AND QUALIFIED WORKMEN IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADES INVOLVED, AND IN COMPLIANCE WITH BUILDING REGULATIONS AND/OR GOVERNMENTAL LAWS, STATUTES OR ORDINANCES CONCERNING THE USE OF UNION LABOR.

4. CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF ACCUMULATION OF WASTE MATERIALS OR RUBBISH; PREMISES TO BE SWEPT CLEAN DAILY OF RELATED CONSTRUCTION DEBRIS. AT THE COMPLETION OF THE WORK, LEAVE THE JOB SITE FREE OF ALL MATERIALS AND BROOM CLEAN.

5. DO NOT SCALE DRAWINGS; DIMENSIONS GOVERN. LARGER SCALE DRAWINGS SHALL GOVERN SMALLER SCALE.

6. PATCH ALL AREAS WHERE FLOOR IS NOT LEVEL OR TRUE PRIOR TO THE INSTALLATION OF FLOORING OR CARPETING.

7. CONTRACTORS SHALL BE RESPONSIBLE FOR THE DISTRIBUTION OF DRAWINGS TO ALL TRADES UNDER HIS JURISDICTION.

8. ALL WORK SHALL BE ERECTED AND INSTALLED PLUMB, LEVEL, SQUARE, TRUE AND IN PROPER ALIGNMENT.

9. ALL MATERIAL SHALL BE NEW, UNUSED AND OF THE HIGHEST QUALITY IN EVERY RESPECT, UNLESS OTHERWISE NOTED. MANUFACTURED MATERIALS AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.

10. THERE SHALL BE NO SUBSTITUTION OF MATERIALS, WHERE A MANUFACTURER IS SPECIFIED. WHERE THE TERMS " EQUAL TO" OR " APPROVED EQUAL" ARE USED, THE OWNER SHALL DETERMINE THE QUALITY BASED ON INFORMATION SUBMITTED BY THE CONTRACTOR.

11. ALL WORK AND MATERIALS SHALL BE GUARANTEED AGAINST DEFECTS.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING REQUIRED FOR HIS WORK.

13. TO ENSURE PROPER AND ADEQUATE BLOCKING, ALL BLOCKING FOR CABINET WORK WILL BE THE RESPONSIBILITY OF THE CABINET CONTRACTOR.

14. DIMENSIONS ARE TO CENTERLINE, FACE OF STUDS, CENTER OF COLUMNS, OR FACE OF VENEER.

15. USE 6" STUDS, OR 4" STAGGERED STUDS AT ALL PLUMBING WALLS.

16. WIND BRACING-PROVIDE 4'X8'X1/2" TREATED PLYWOOD ON ALL GROUND FLOOR INTERIOR CORNER WALLS WITHIN 8' OF CORNERS. NAIL PLYWOOD EDGES WITH 8d NAILS @ 24" O.C. AT PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS.

17. EXTERIOR CAULKING SHALL BE DOW CORNING 790 SILICONE, INSTALL IN ACCORDANCE WITH MANUFACTURER RECCOMENDATION WITH ARCH/OWNER TO SELECT COLOR. INTERIOR CAULKING TO BE EQUAL TO DAP PAINTABLE LATEX WITH SILICONE.

18. PAINT GRADE TO SHALL BE SHERWIN WILLIAMS OR EQUIVALENT. ALL WORK TO RECEIVE 3 COATS. COLOR SELECTION BY OWNER.

19. ALL EXTERIOR DOORS ARE TO BE WEATHERSTRIPPED.

20. UPON COMPLETION OF WORK. THE CONTRACTOR SHALL WALK THROUGH WITH OWNER AND COMPILE A PUNCHLIST OF CORRECTIONS AND UNSATISFACTORY AND/OR INCOMPLETE WORK.

DOOR & HARDWARE SCHEDULE

MARK	SIZE W x H x D	DOOR TYPE	FRAME	HDWR. NO.	STC	REMARKS
EXTERIOR DOORS						
1	PR. 3/0 x 6/8 x 1-3/4 W/ 18" TRANSOM & 18" SIDE LITES	WD.	WD.	1	N/A	CUSTOM UNIT SELECTED BY OWNER
2	3/0 x 6/8 x 1-3/4	WD.	WD.	1	N/A	CUSTOM UNIT SELECTED BY OWNER
3	12/0 x 7/0 GARAGE DOOR	INSUL. MTL. DR. PANEL	WD.	1	N/A	
INTERIOR DOORS						
4	PR. 3/0 x 6/8 x 1-3/4	SOLID CORE MASONITE	WD.	2	N/A	
5	3/0 x 6/8 x 1-3/4	SOLID CORE MASONITE	WD.	2	N/A	
6	3/0 x 6/8 x 1-3/4	SOLID CORE MASONITE	WD.	3	N/A	
7	1/6 x 6/8 x 1-3/4	SOLID CORE MASONITE	WD.	2	N/A	
8	3/0 x 6/8 x 1-3/4	FRENCH DOOR WITH SIDE LITES	WD.	3	N/A	CUSTOM UNIT SELECTED BY OWNER

DOOR HARDWARE SCHEDULE:
1. AIR RESISTANT METAL THRESHOLD, WEATHERSTRIP, DOOR STOP, EXTERIOR CYLINDER LOCK, BALL BEARING US32D HINGES.
2. DOOR STOP,BALL BEARING US32D HINGES, PASSAGE LOCK
3. DOOR STOP,BALL BEARING US32D HINGES, PRIVACY LOCK

WINDOW SCHEDULE

MARK	SIZE W x H	TYPE	FRAME	GLASS	LITES	REMARKS
A	3/0 x 6/0	SINGLE HUNG VERTICAL SLIDE	VINYL	INSUL. LOW E	3/2	
B	PAIR 3/0 x 10/0	SINGLE HUNG VERTICAL SLIDE	VINYL	INSUL. LOW E	3/2	
C	2/0 x 6/0	SINGLE HUNG VERTICAL SLIDE	VINYL	INSUL. LOW E	2/2	

ROOM FINISH SCHEDULE

NAME	FLOOR	BASE	WALL	CLG.	NAME	FLOOR	BASE	WALL	CLG.
BEDROOM	CARPET	PTD. WD. 6"	PTD. 1/2" GYP.	13'-6" PTD. 1/2" GYP.	OFFICE	CARPET	PTD. WD. 6"	PTD. 1/2" GYP.	13'-6" PTD. 1/2" GYP.
CLOSET	CARPET	PTD. WD. 6"	PTD. 1/2" GYP.	9'-0" PTD. 1/2" GYP.	COPY	CARPET	PTD. WD. 6"	PTD. 1/2" GYP.	9'-0" PTD. 1/2" GYP.
HALL	CARPET	PTD. WD. 6"	PTD. 1/2" GYP.	9'-0" PTD. 1/2" GYP.	GARAGE	CONCRETE	PTD. WD. 6"	PTD. 1/2" GYP.	9'-10" PTD. 1/2" GYP.
BATH	VINYL TILE	PTD. WD. 6"	PTD. 1/2" GYP.	9'-0" PTD. 1/2" GYP.	GARAGE CLOSET	CONCRETE	PTD. WD. 6"	PTD. 1/2" GYP.	9'-10" PTD. 1/2" GYP.
OPEN SPACE	URETHANE COATED CONCRETE	PTD. WD. 6"	PTD. 1/2" GYP.	9'-10" PTD. 1/2" GYP.					

FINISH GENERAL NOTES
1. INSTALL MOISTURE RESISTANT GYPSUM BOARD (PAINTED) ON WALLS IN BATHROOMS.

TOTAL GROUND FLOOR AREA: 8,200 SQ.FT.
EXISTING STRUCTURE (GROUND FLOOR ONLY): 2,450 S.F.
NEW SOUTH WING: 3,000 S.F.
NEW NORTH WING: 2,750 S.F.

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70135

JOB No: 2147 | DATE: 06-06-2013 | CHECKED BY: BSN | DRAWN BY: BSN

REVISIONS
NO. | DESCRIPTION | DATE

STATE OF LOUISIANA
EMMETT G. DAMMON, JR.
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FLOOR PLAN

SHEET No: 03 OF 12

A-1

EAST EXTERIOR ELEVATION

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

WEST EXTERIOR ELEVATION

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

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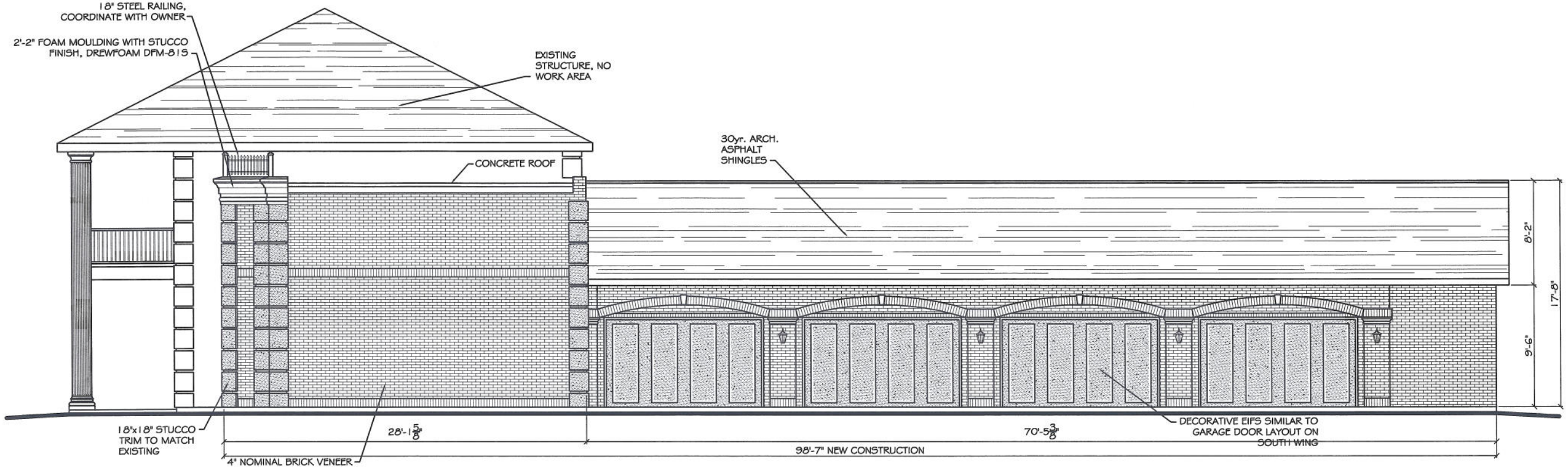
EXTERIOR ELEVATIONS

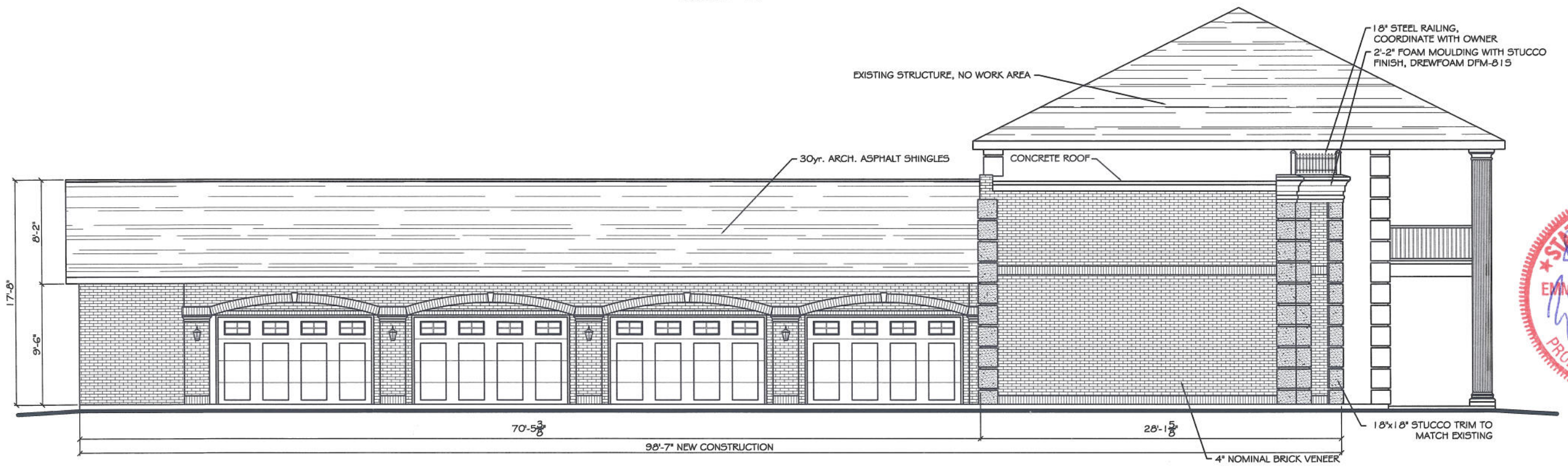
SHEET No: 04 OF 12

A-2



NORTH EXTERIOR ELEVATION

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



SOUTH EXTERIOR ELEVATION

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

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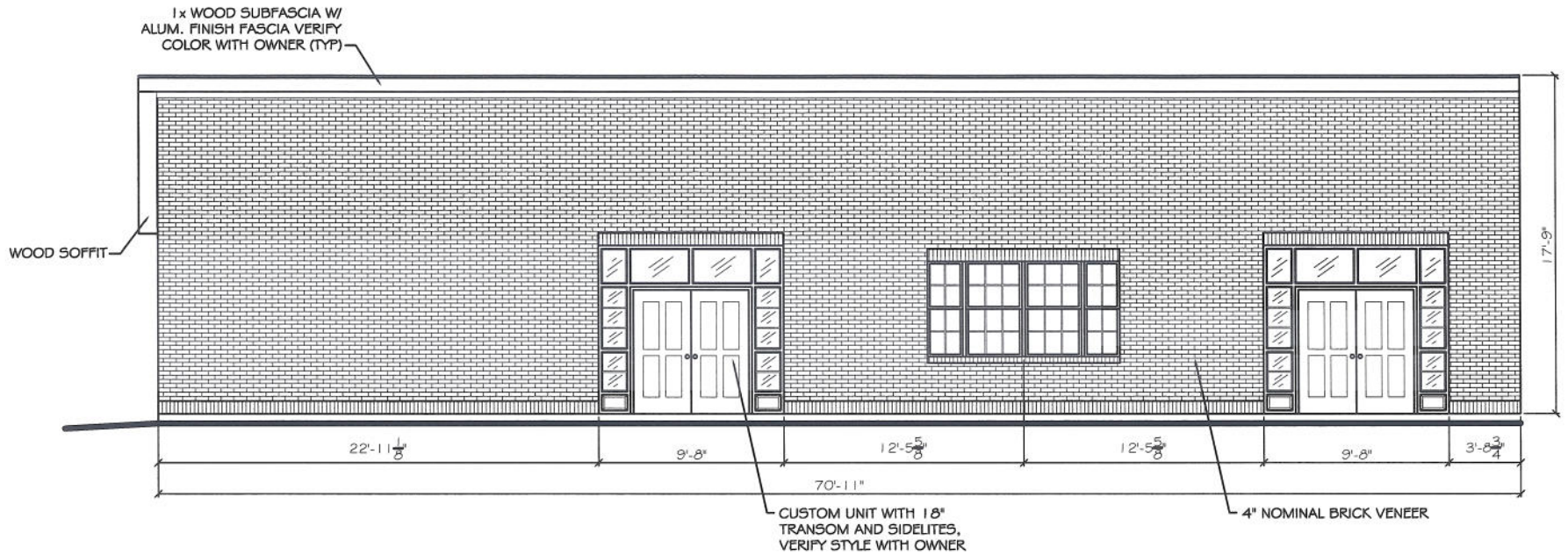
EXTERIOR ELEVATIONS

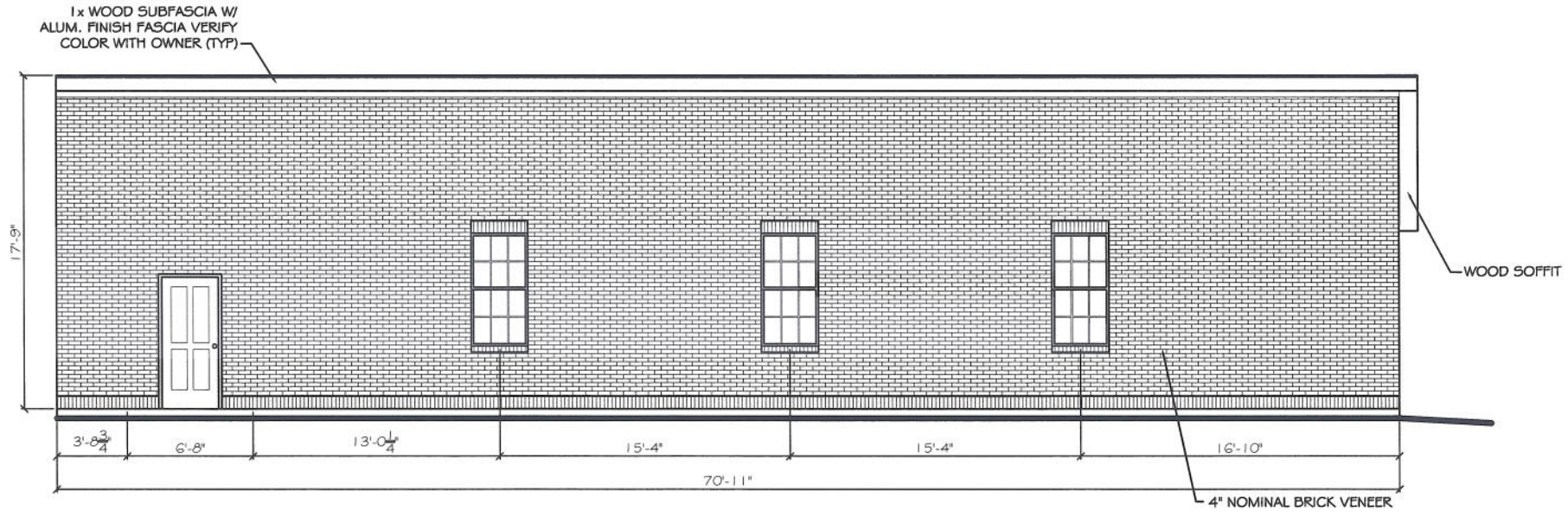
SHEET No: 05 OF 12

A-3



NORTH WING COURTYARD ELEVATION

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



SOUTH WING COURTYARD ELEVATION

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

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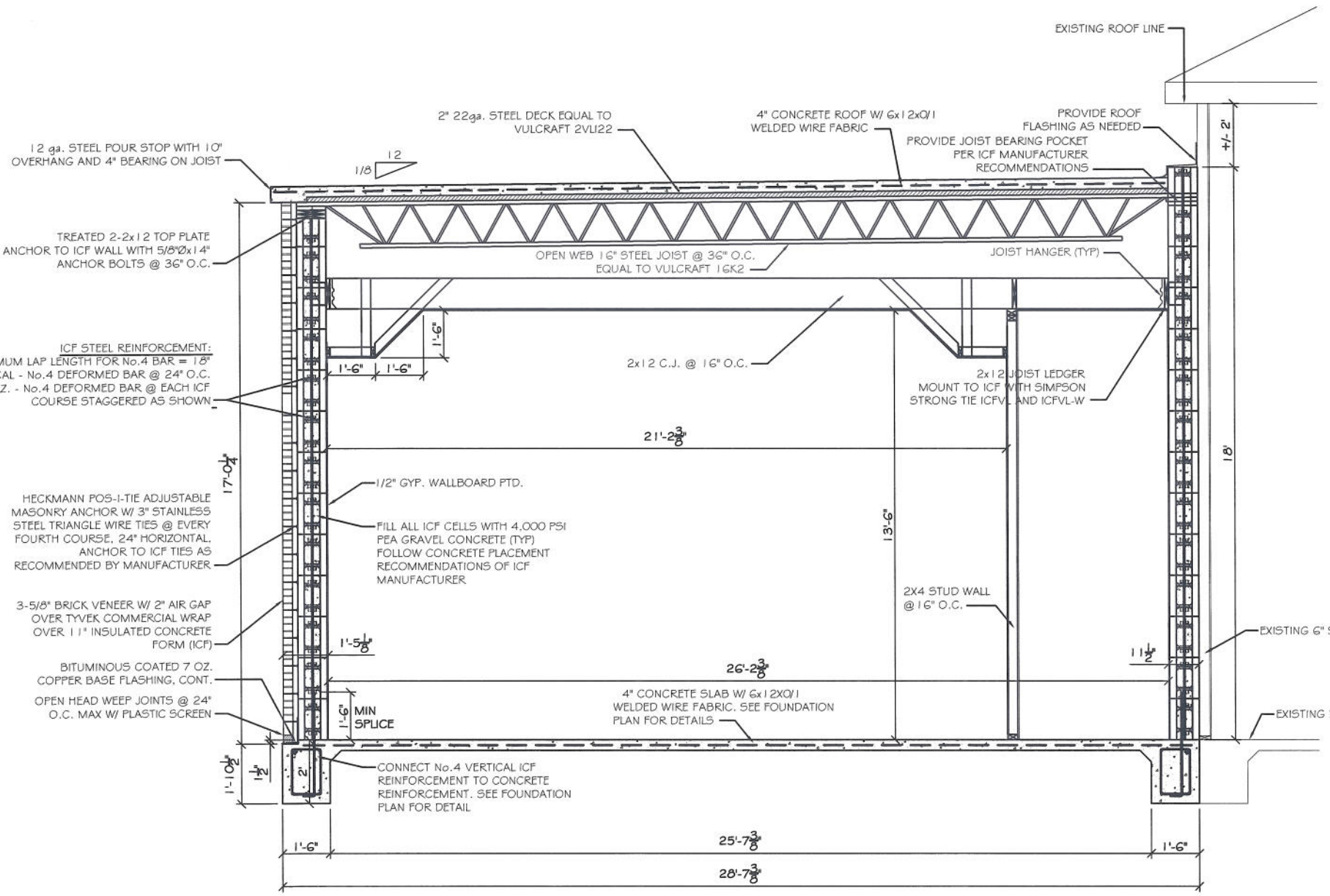
COURTYARD ELEVATION

SHEET No: 06 OF 12

A-4



SECTION A
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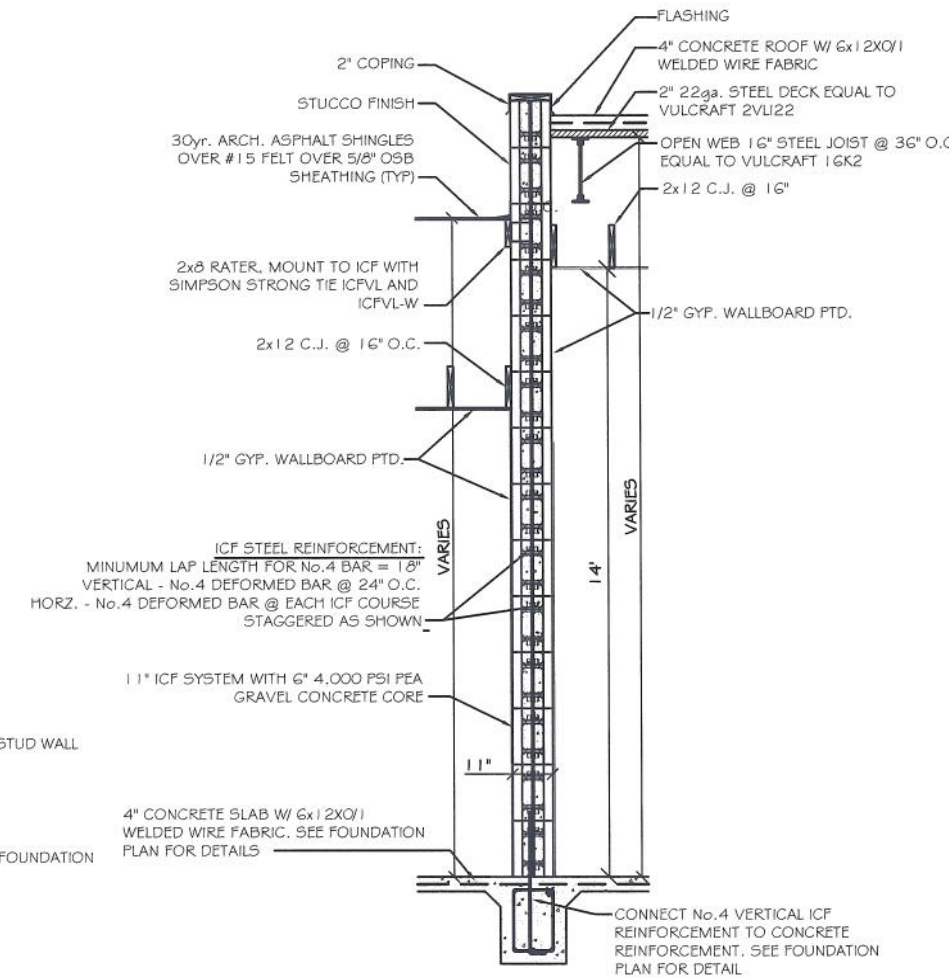

SECTION B
SCALE: 1/2"=1'-0"

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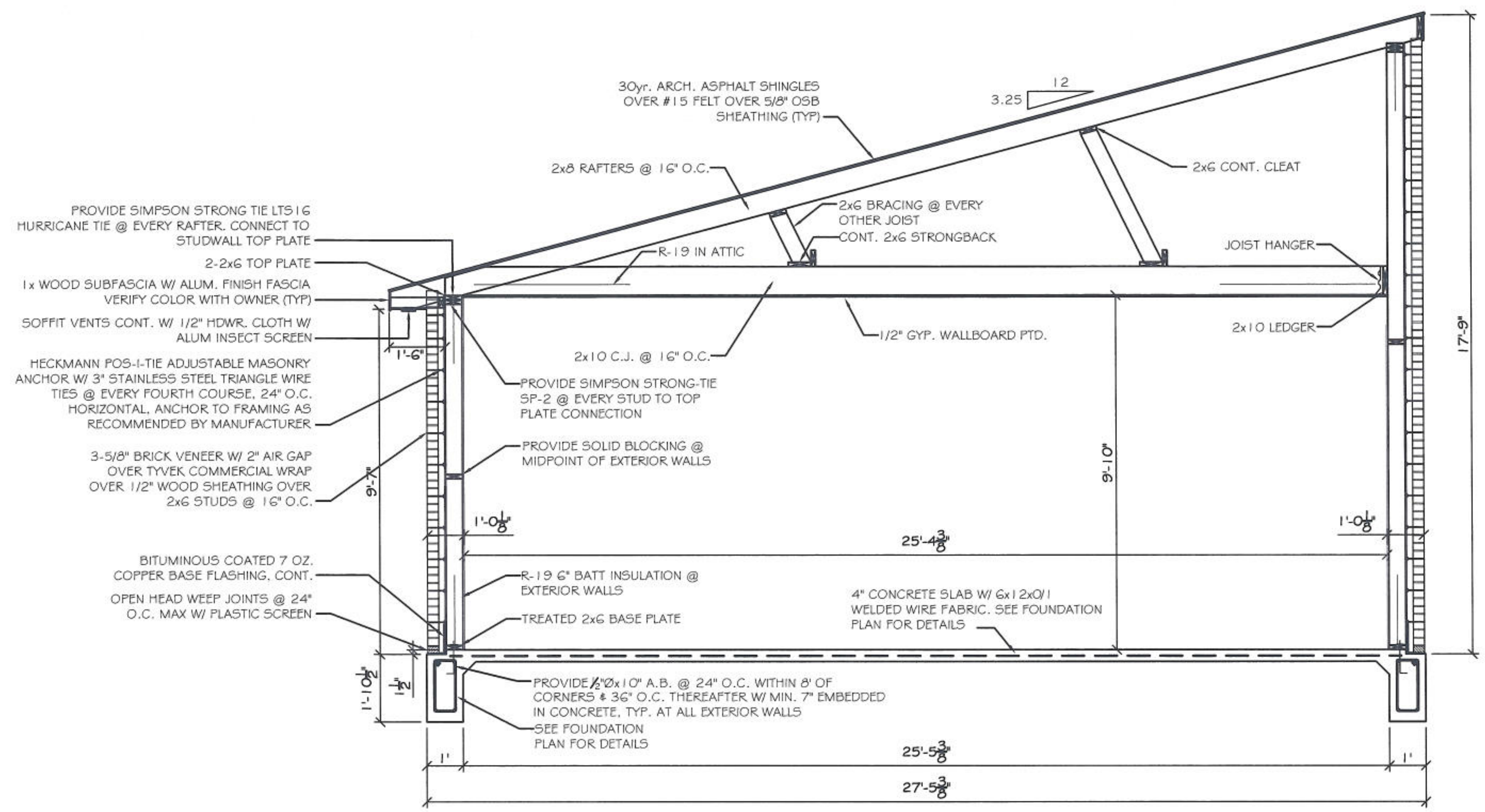
BUILDING SECTION

SHEET No: 07 OF 12

A-5



SECTION
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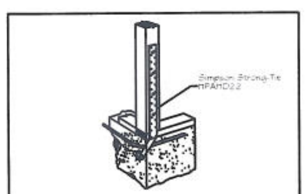
C A2 A6



CORNER HOLDOWN DETAIL
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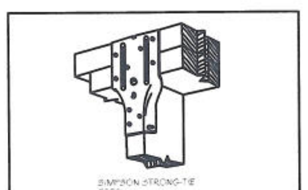

STUD TO TOP PLATE DETAIL
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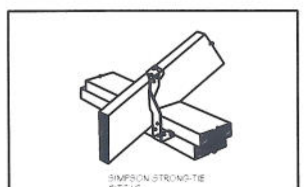

TOP PLATE TO RAFTER DETAIL
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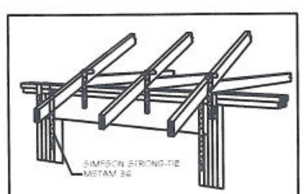

HEADER TO TOP PLATE DETAIL
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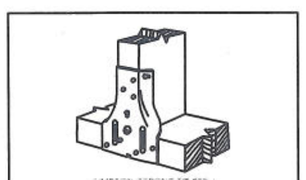

STUD TO SOLE PLATE DETAIL
N.T.S.

ROOF UNDERLAYMENT APPLICATION

FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE), UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZ. (33-PERCENT SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:

APPLY A 19 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36 INCH WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 19 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.

FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:

UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION, PARELLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6 FEET.

SHINGLE APPLICATION/FASTENING

ASPHALT STRIP SHINGLES SHALL HAVE A MINIMUM OF SIX FASTENERS PER SHINGLE WHERE THE ROOF IS IN ONE OF THE FOLLOWING CATEGORIES:

1. THE BASIC WIND SPEED IS 110 MPH OR GREATER AND THE EAVE IS 20 FEET OR HIGHER ABOVE GRADE.
2. THE BASIC WIND SPEED IS 120 MPH OR GREATER.
3. SPECIAL WIND ZONES.

UPLIFT CONNECTIONS

ROOF ASSEMBLY TO WALL ASSEMBLY:

UPLIFT CONNECTIONS SHALL BE FROM RAFTER OR TRUSS TO WALL STUD. WHEN RAFTERS OR TRUSSES ARE NOT LOCATED DIRECTLY ABOVE STUDS, RAFTERS SHALL BE ATTACHED TO THE WALL PLATE AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE.

WALL ASSEMBLY TO WALL ASSEMBLY:

STORY TO STORY UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD. WHEN UPPER STORY WALL STUDS ARE NOT LOCATED DIRECTLY ABOVE LOWER WALL STUDS, THE STUDS SHALL BE ATTACHED TO A COMMON MEMBER IN THE FLOOR ASSEMBLY BY UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE.

WALL ASSEMBLY TO FOUNDATION:

FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION, SILL, PLATE, OR BOTTOM PLATE. A MINIMUM OF A 1-1/4" x 20 GA. ASTM A653 GRADE 33 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 7 INCHES IN CONCRETE FOUNDATIONS AND SLABS-ON-GRADE, 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPPED UNDER THE BOTTOM PLATE. 3 INCH SQUARE WASHERS SHALL BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACINGS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRAPS EMBEDDED IN OR IN CONTACT WITH SLAB-ON-GRADE OR MASONRY BLOCK FOUNDATIONS SHALL BE HOT-DIPPED GALV. AFTER FABRICATION, OR MANUF. FROM G185 OR Z450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE.

HOLDDOWNS

HOLDDOWNS ARE REQUIRED AT THE END OF EACH SEGMENTED SHEARWALL SEGMENT OR AT EACH END OF A PERFORATED SHEARWALL. WHEN FULL HEIGHT SHEARWALL SEGMENTS MEET AT A CORNER, A SINGLE HOLDDOWN SHALL BE PERMITTED TO BE USED TO RESIST THE OVERTURNING FORCES IN BOTH DIRECTIONS WHEN THE CORNER FRAMING IN THE ADJOINING WALLS IS FASTENED TOGETHER TO TRANSFER THE UPLIFT LOAD. SEE CORNER HOLDDOWN DETAIL.

THERMAL COMPONENT CRITERIA (U-FACTOR AND R-VALUE)

MAX. GLAZING U-FACTOR	MINIMUM INSULATION R-VALUE				
	CEILINGS	WALLS	FLOORS	BASEMENT WALLS	CRAWL SPACE WALLS
.75	R-26	R-13	R-11	R-5	R-5

HEADER SPANS-EXPOSURE C FOR EXTERIOR LOADBEARING WALLS

HEADER SIZE	SPAN	NO. FULL HGT. STUDS REQ. AT EA. END
(2)2x4S	4'-7"	2
(2)2x6S	5'-6"	2
(2)2x8S	6'-1"	3
(2)2x10S	6'-8"	3
(2)2x12S	7'-1"	3
(3)2x8S	7'-5"	3
(3)2x10S	8'-3"	3
(3)2x12S	8'-8"	3
(4)2x8S	8'-7"	3
(4)2x10S	9'-6"	3
(4)2x12S	10'-4"	4
130 MPH WINDS-EXPOSURE "C" (TYP.) EACH W/ 1/2" PLYWD. SPACER BETWEEN		

NOTE:
1. BLDG. WIDTH IS MEASURED PERPENDICULAR TO THE RIDGE. FOR WIDTHS BETWEEN THOSE SHOWN, SPANS ARE PERMITTED TO BE INTERPOLATED.
2. ALL HEADERS SHALL HAVE SOLID BLOCKING.

HEADER SPANS-FOR INT. LOADBEARING WALLS

HEADER SUPPORTING	SIZE	BLDG. WIDTH (ft.) 12	24	36
		SPANS (ft-in.)		
ONE FLOOR (CENTER BEARING)	(2)2x4S	4'-4"	3'-1"	2'-6"
	(2)2x6S	6'-5"	4'-6"	3'-8"
	(2)2x8S	8'-1"	5'-9"	4'-8"
	(2)2x10S	9'-11"	7'-0"	5'-9"
	(2)2x12S	11'-6"	8'-1"	6'-7"
	(3)2x8S	10'-2"	7'-2"	5'-10"
	(3)2x10S	12'-5"	8'-9"	7'-2"
	(3)2x12S	14'-4"	10'-2"	8'-3"
	(4)2x8S	11'-6"	8'-3"	6'-9"
	(4)2x10S	14'-4"	10'-1"	8'-3"
	(4)2x12S	*	11'-8"	9'-7"
2 FLOORS ONLY (CENTER BEARING)	(2)2x4S	2'-10"	2'-1"	1'-8"
	(2)2x6S	4'-2"	3'-1"	2'-6"
	(2)2x8S	5'-4"	3'-11"	3'-3"
	(2)2x10S	6'-6"	4'-8"	3'-11"
	(2)2x12S	7'-6"	5'-6"	4'-7"
	(3)2x8S	6'-8"	4'-10"	4'-0"
	(3)2x10S	8'-1"	6'-0"	4'-11"
	(3)2x12S	9'-5"	6'-11"	5'-8"
	(4)2x8S	7'-8"	5'-8"	4'-8"
	(4)2x10S	9'-4"	6'-10"	5'-8"
	(4)2x12S	10'-10"	8'-0"	6'-7"
* MAX. SPAN EXCEEDS 16' (SPANS LIM. TO 16')				

NOTE:
ALL HEADERS SHALL HAVE SOLID BLOCKING

JACK STUD REQ.-EXP. B FOR EXT. LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (ft.)	HEADER WIDTH 3"	4.5"	5"	6.5"
		NO. JACK STUDS REQ.			
ROOF AND CEILING	2	1	1	1	1
	4	1	1	1	1
	6	2	1	2	2
	8	2	2	2	2
	10	3	2	2	2
	12	3	2	2	2
	14	4	3	2	2
	16	4	3	3	2
ROOF, CEILING, AND 1 CENTER BEARING FLR.	2	1	1	1	1
	4	2	1	1	1
	6	2	2	2	1
	8	3	2	2	3
	10	4	3	2	2
	12	4	3	3	2
	14	5	3	3	3
	16	5	4	3	3
HEADER WIDTH-3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH W/ 1/2" PLYWD. SPACER BETWEEN					

WALL SHEATH. OR CLAD. REQ. FOR WIND LOAD-EXP. C

SHEATHING LOCATION	STUD SPAC.	E	F
		MAX. NAIL SPAC. FOR 8d COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)	
INTERIOR ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
PERIMETER EDGE ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
130 MPH WINDS-EXPOSURE "C" (TYP.)			

WINDBORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR WOOD STRUCTURAL PANELS

FASTENER TYPE	FASTENER SPACING PANEL SPAN ≤ 4 FOOT	4 FOOT PANEL SPAN ≤ 6 FOOT	6 FOOT PANEL SPAN ≤ 8 FOOT
2-1/2" #6 WOOD SCREWS	16"	12"	9"
2-1/2" #8 WOOD SCREWS	16"	16"	12"

WINDOWS IN BUILDINGS LOCATED IN WIND BORNE DEBRIS REGIONS SHALL HAVE GLAZED OPENINGS PROTECTED FROM WINDBORNE DEBRIS. WOOD STRUCTURAL PANELS WITH A MIN. THICKNESS OF 7/16" AND A MAX. SPAN OF 8 FEET SHALL BE PERMITTED FOR OPENING PROTECTION IN ONE AND TWO STORY BUILDINGS. PANELS SHALL BE PRECUT TO COVER THE GLAZED OPENINGS WITH ATTACHMENT HARDWARE PROVIDED.

ROOF SHEATH. OR CLAD. REQ. FOR WIND LOAD-EXP. C

SHEATHING LOCATION	RAFTER/ TRUSS SPAC.	E	F
		MAX. NAIL SPAC. FOR 8d COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)	
INTERIOR ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
PERIMETER EDGE ZONE	12" O.C.	6	12
	16" O.C.	6	6
	24" O.C.	6	6
130 MPH WINDS-EXPOSURE "C" (TYP.)			

HEADER NAILING SCHEDULE

DESCRIPTION	NUM. OF COM. NAILS	NUM. OF BOX NAILS	SPACING
HEAD. TO HEAD. (FACE NAILED)	8d	10d	6" O.C. EDGES/ 12" O.C. FIELD

NOTE:
ALL HEADERS SHALL HAVE SOLID BLOCKING

JACK STUD REQUIREMENTS-FOR INTERIOR LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (ft.)	12 FEET 3"	4.5"	5"	6.5"	24 FEET 3"	4.5"	5"	6.5"	36 FEET 3"	4.5"	5"	6.5"
		NO. JACK STUDS REQ.											
ROOF AND CEILING	2	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1
	6	1	1	1	1	1	1	1	1	2	1	1	1
	8	1	1	1	1	2	1	1	1	2	2	2	1
	10	1	1	1	1	2	2	1	1	3	2	2	2
	12	1	1	1	1	2	2	2	1	3	2	2	2
	14	2	1	1	1	3	2	2	2	4	3	3	2
	16	2	1	1	1	3	2	2	2	4	3	3	2
ROOF, CEILING, AND 1 CENTER BEARING FLR.	2	1	1	1	1	1	1	1	1	2	1	1	1
	4	1	1	1	1	2	1	1	1	3	2	2	2
	6	2	1	1	1	3	2	2	2	4	3	3	2
	8	2	2	1	1	3	2	2	2	5	3	3	3
	10	2	2	2	1	4	3	3	2	6	4	4	3
	12	3	2	2	2	5	3	3	3	7	5	4	4
	14	3	2	2	2	5	4	3	3	8	5	5	4
	16	4	3	2	2	6	4	4	3	9	6	5	5
HEADER WIDTH-3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH W/ 1/2" PLYWD. SPACER BETWEEN													

SILL or BOTTOM PLATE TO FND. CONNECTIONS RESISTING UPLIFT LOADS-130MPH WINDS EXP. "C"

BOTTOM PLATE TO FND. ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAX. ANCHOR BOLT SPACING (in.) 8' END ZONES	INTERIOR ZONES
UPLIFT LOADS	1-3 STORIES	28	33

SILL or BOTTOM PLATE TO FND. CONNECTIONS RESISTING SHEAR LOADS-130MPH WINDS EXP. "C"

BOTTOM PLATE TO FND. ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAX. ANCHOR BOLT SPACING (in.) 1/2" ANC. BOLTS	5/8" ANC. BOLTS
SHEAR LOADS	1-3 STORIES	30	45

UPLIFT CONNECTIONS-130MPH WINDS EXP. "C"

CONNECTION	FRAMING SPACING (in.)	ROOF SPAN (ft.)	U	L	S	NUM. OF 8d COM. NAILS OR 10d BOX NAILS IN EA. END OF 1-1/4"x20 GA. STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" O.C.	17	386	246	109R	4
WALL ASSEMBLY TO WALL ASSEMBLY	16" O.C.	17	386	246	109R	4
WALL ASSEMBLY TO FOUNDATION	16" O.C.	17	170	185	436	4

REVISIONS
DESCRIPTION	DATE

STATE OF LOUISIANA
EMMETT G. DAMMON, JR.
License No. 8796
PROFESSIONAL ENGINEER

PAUL WRIGHT ADDITION TO EXISTING RESIDENCE

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LACOMBE, LA
70135

JOB No: 2147
DATE: 06-06-2013
DRAWN BY: BSN
CHECKED BY: BSN

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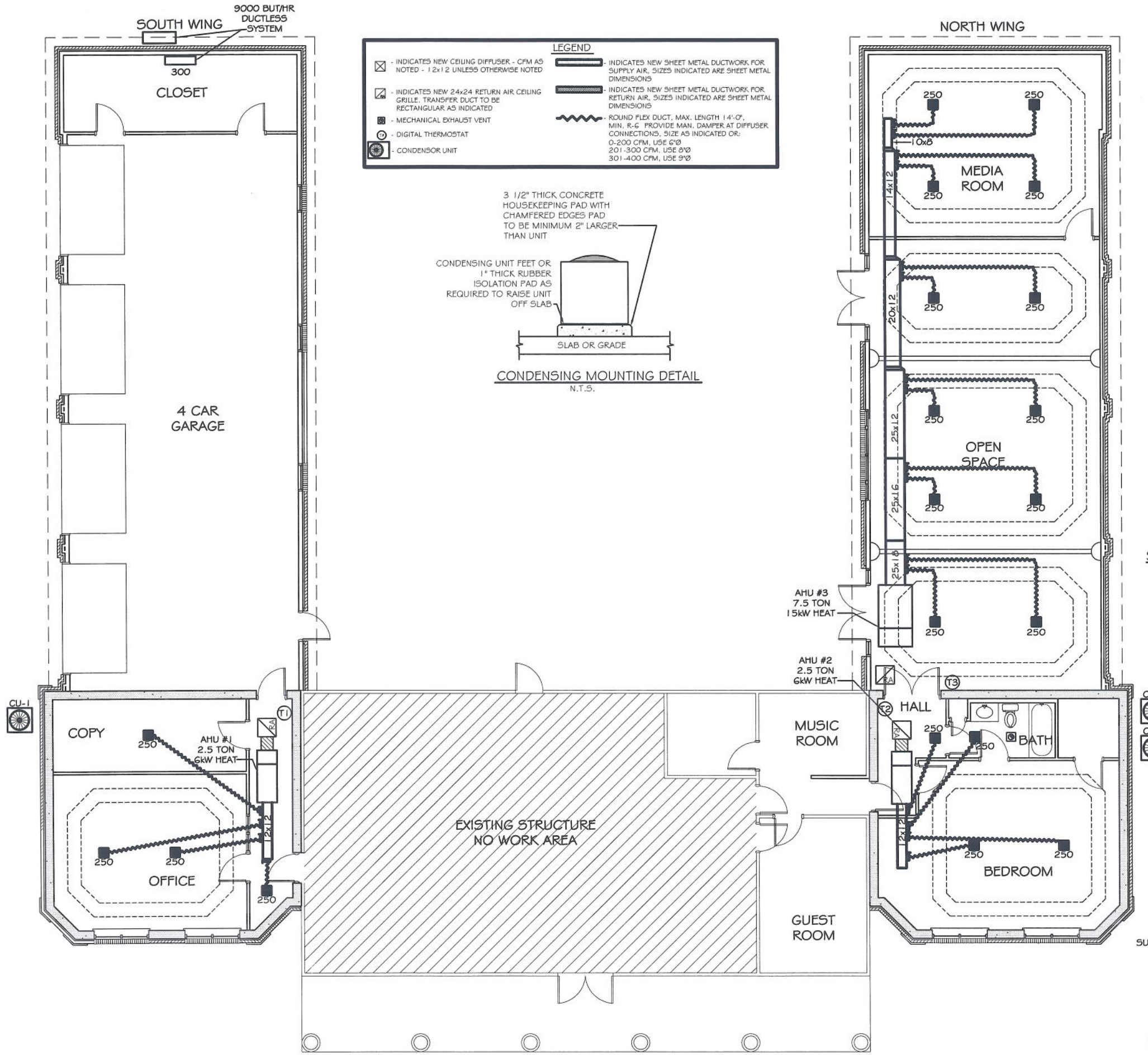
BUILDING SECTION

A-6



MECHANICAL PLAN

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

LEGEND

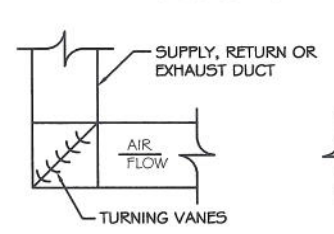
- ⊠ - INDICATES NEW CEILING DIFFUSER - CFM AS NOTED - 12x12 UNLESS OTHERWISE NOTED
- ◪ - INDICATES NEW 24x24 RETURN AIR CEILING GRILLE. TRANSFER DUCT TO BE RECTANGULAR AS INDICATED
- ▣ - MECHANICAL EXHAUST VENT
- Ⓣ - DIGITAL THERMOSTAT
- ▣ - CONDENSOR UNIT
- INDICATES NEW SHEET METAL DUCTWORK FOR SUPPLY AIR. SIZES INDICATED ARE SHEET METAL DIMENSIONS
- INDICATES NEW SHEET METAL DUCTWORK FOR RETURN AIR. SIZES INDICATED ARE SHEET METAL DIMENSIONS
- ROUND FLEX DUCT. MAX. LENGTH 14'-0". MIN. R-6 PROVIDE MAN. DAMPER AT DIFFUSER CONNECTIONS. SIZE AS INDICATED OR:
  0-200 CFM, USE 6"Ø
  201-300 CFM, USE 8"Ø
  301-400 CFM, USE 9"Ø

CONDENSING MOUNTING DETAIL

N.T.S.

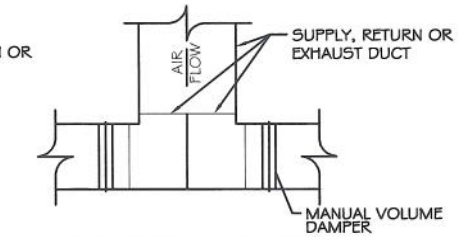
MECHANICAL NOTES

1. SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND REQUIREMENTS OF LOCAL UTILITY OFFICIALS. DESIGN ENGINEER SHALL PREPARE CALCULATIONS FOR EQUIPMENT SIZING, DUCT SIZING, ACCESSORY ARRANGEMENT, ETC., AND SHALL PREPARE FINAL DRAWING ACCORDINGLY.
2. FURNISH ALL DUCT WORK, CONTROL WIRING, PIPING, FITTINGS, ACCESSORIES, ETCL, FOR COMPOETE INSTALLATION.
3. INSULATE ALL HEATING OR CONDENSOR WATERLINES IN UN-INSULATED SPACES W/TUBULAR FOAM INSULATION. INSULATION SHALL BE OF SELF SEALING TYPE OR SHALL BE TAPED CLOSED W/FOIL FACED TYPE.
4. CLOSELY COORDINATE WORK WITH ALL OTHER TRADES. MAINTAIN CEILING HEIGHTS AND DUCT SPACES PROVIDED.
5. ALL VALVES, DAMPERS AND OTHER CONTROL DEVICES SHALL BE ACCESSIBLE FOR OPERATION AND MAINTENANCE THROUGH ACCESSIBLE CEILINGS OR THROUGH ACCESS DOORS OR PANELS MANUFACTURED FOR SUCH PURPOSES.
6. ALL UNITS ABOVE CEILING SHALL HAVE AUXILIARY DRAIN PANS INSTALLED BELOW ENTIRE UNIT.
7. IF GAS IS BEING USED, PROVIDE PRESSURE REGULATORS FOR ALL GAS EQUIPMENT AS REQIRED FOR PROPER OPERATION. VERIFY GAS PRESSURE AT METER TO DETERMINE NECESSITY OR REGULATORS.
8. COORDINATE WITH ELECTRICIAN CONCERNING ITEMS REQUIRING ELECTRICAL SERVICE SUFCH AS CONDENSING UNITS, AIR-HANDLING UNITS, CONDENSATE PUMPS, MOTORIZED DAMPERS, ETC. COORDINATE SERVICE AND AMPACITY REQUIRED.
9. THE BUILDER SHALL TEST PRESSURE-REDUCING VALVES, T&P RELIEF VALVEW AND OTHER SAFETY DEVIDCES PRIOR TO OPERATING SYSTEM. THE BUILDER SHALL TEST AND BALANCE ALL SYSTEMS PRIOR TO COMPLETION OF THE WORK.



SQUARE ELBOW DETAIL

N.T.S.



DUCT SPLITTER DETAIL

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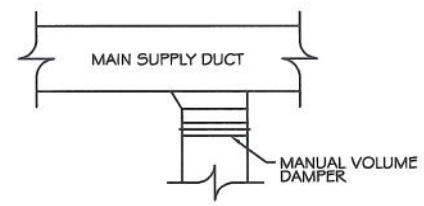

SUPPLY DUCT TAKE-OFF DETAIL

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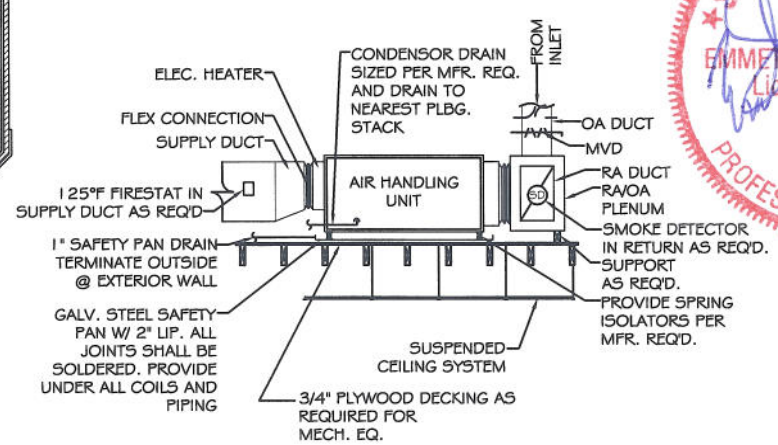

TYPICAL HORIZONTAL AHU DETAIL

SCALE: N.T.S.

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JOB No:	2147	DATE: 06-06-2013	
DRAWN BY:	BSN	CHECKED BY:	BSN

REVISIONS

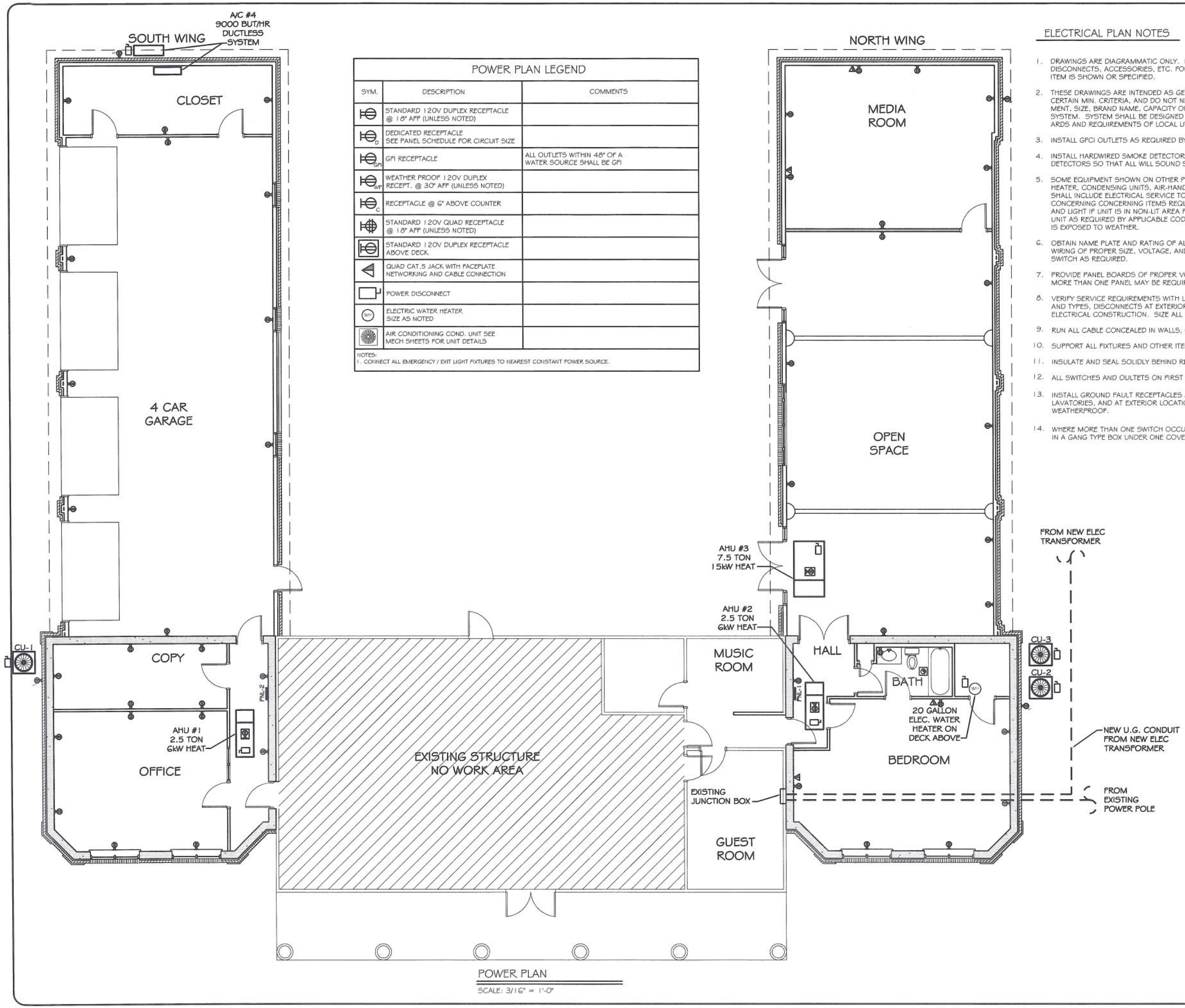
NO.	DESCRIPTION	DATE

STATE OF LOUISIANA
EMMETT G. DAMMON, JR.
License No. 8796
PROFESSIONAL ENGINEER

MECHANICAL PLAN

SHEET No: 09 OF 12

M-1



POWER PLAN

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

POWER PLAN LEGEND

SYM.	DESCRIPTION	COMMENTS
	STANDARD 120V DUPLEX RECEPTACLE @ 18" AFF (UNLESS NOTED)	
D	DEDICATED RECEPTACLE SEE PANEL SCHEDULE FOR CIRCUIT SIZE	
GFI	GFI RECEPTACLE	ALL OUTLETS WITHIN 48" OF A WATER SOURCE SHALL BE GFI
WP	WEATHER PROOF 120V DUPLEX RECEPT. @ 30" AFF (UNLESS NOTED)	
C	RECEPTACLE @ 6" ABOVE COUNTER	
	STANDARD 120V QUAD RECEPTACLE @ 18" AFF (UNLESS NOTED)	
	STANDARD 120V DUPLEX RECEPTACLE ABOVE DECK	
	QUAD CAT.5 JACK WITH FACEPLATE NETWORKING AND CABLE CONNECTION	
	POWER DISCONNECT	
WH	ELECTRIC WATER HEATER SIZE AS NOTED	
	AIR CONDITIONING COND. UNIT SEE MECH SHEETS FOR UNIT DETAILS	

NOTES:
1. CONNECT ALL EMERGENCY / EXIT LIGHT FIXTURES TO NEAREST CONSTANT POWER SOURCE.

ELECTRICAL PLAN NOTES

1. DRAWINGS ARE DIAGRAMMATIC ONLY. FURNISH ALL CONDUIT, WIRING, PANELS, BREAKERS, DISCONNECTS, ACCESSORIES, ETC. FOR COMPLETE INSTALLATION RATHER OR NOT EVERY ITEM IS SHOWN OR SPECIFIED.
2. THESE DRAWINGS ARE INTENDED AS GENERAL GUIDELINES FOR PURPOSES OF ESTABLISHING CERTAIN MIN. CRITERIA, AND DO NOT NECESSARILY REPRESENT THE FINAL LAYOUT, ARRANGEMENT, SIZE, BRAND NAME, CAPACITY OR OTHER CHARACTERISTICS OF THE ENGINEERED SYSTEM. SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND REQUIREMENTS OF LOCAL UTILITY OFFICIALS.
3. INSTALL GFCI OUTLETS AS REQUIRED BY APPLICABLE CODES.
4. INSTALL HARDWIRED SMOKE DETECTORS WITH BATTERY BACKUP ON ALL FLOORS. INTERCONNECT DETECTORS SO THAT ALL WILL SOUND SHOULD ONE DETECTOR ACTIVATE.
5. SOME EQUIPMENT SHOWN ON OTHER PLANS MAY REQUIRE ELECTRICAL SERVICE, AS WATER HEATER, CONDENSING UNITS, AIR-HANDLING UNITS, CONDENSATE PUMPS, ELECTRICAL CONTRACTOR SHALL INCLUDE ELECTRICAL SERVICE TO ALL SUCH EQUIPMENT. COORDINATE WITH OTHER TRADES CONCERNING CONCERNING ITEMS REQUIRING ELECTRICAL SERVICE. PROVIDE ONE DUPLEX OUTLET AND LIGHT IF UNIT IS IN NON-LIT AREA FOR EVERY CONDENSING UNIT AND EVERY AIR-HANDLING UNIT AS REQUIRED BY APPLICABLE CODES. OUTLETS SHALL BE WEATHERPROOF GFCI IF UNIT IS EXPOSED TO WEATHER.
6. OBTAIN NAME PLATE AND RATING OF ALL EQUIPMENT BEFORE ROUGHING IN AND PROVIDE WIRING OF PROPER SIZE, VOLTAGE, AND AMPACITY. PROVIDE FUSED OR NON-FUSED DISCONNECT SWITCH AS REQUIRED.
7. PROVIDE PANEL BOARDS OF PROPER VOLTAGE AND AMPACITY FOR ALL ELECTRICAL CIRCUITS. MORE THAN ONE PANEL MAY BE REQUIRED DUE TO NUMBER OF CIRCUITS REQUIRED.
8. VERIFY SERVICE REQUIREMENTS WITH LOCAL POWER COMPANY INCLUDING TRANSFORMER LOCATIONS AND TYPES, DISCONNECTS AT EXTERIOR OF BLDG., VOLTS AND APACITIES AND OTHER DETAILS OF ELECTRICAL CONSTRUCTION. SIZE ALL FEEDERS ACCORDING TO NEC REQUIREMENTS.
9. RUN ALL CABLE CONCEALED IN WALLS, CEILINGS OR FLOORS UNLESS NOTED OTHERWISE.
10. SUPPORT ALL FIXTURES AND OTHER ITEMS RIGIDLY FROM STRUCTURE.
11. INSULATE AND SEAL SOLIDLY BEHIND RECEPTACLES IN EXTERIOR WALLS.
12. ALL SWITCHES AND OULTETS ON FIRST FLOOR TO BE 1'-0" ABOVE BASE FLOOD ELEVATION.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WEATHERPROOF.
14. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.

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JOB No: 2147 | DATE: 06-06-2013
DRAWN BY: BSN | CHECKED BY: BSN

REVISIONS

#	DESCRIPTION	DATE

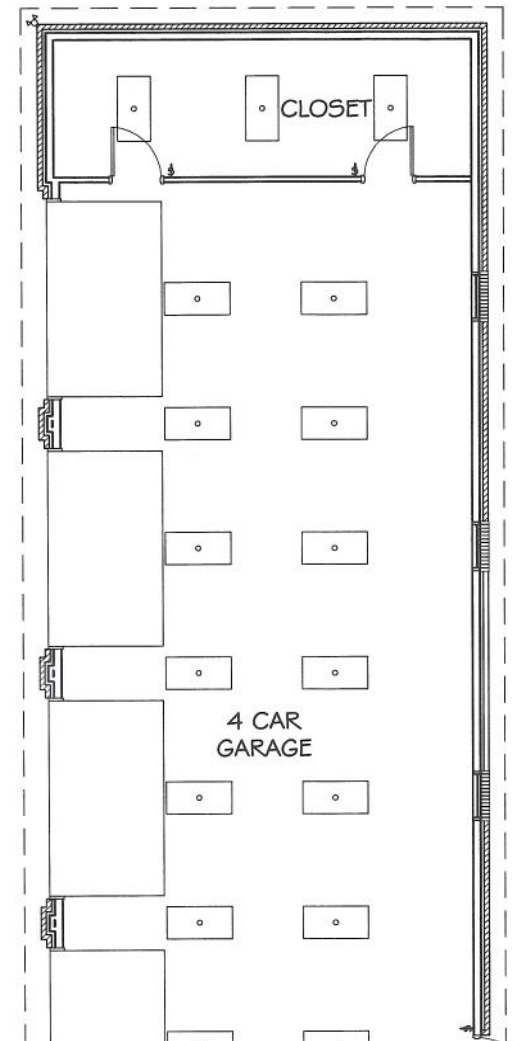
STATE OF LOUISIANA
EMMETT G. DAMMON, JR.
License No. 8796
PROFESSIONAL ENGINEER

POWER PLAN

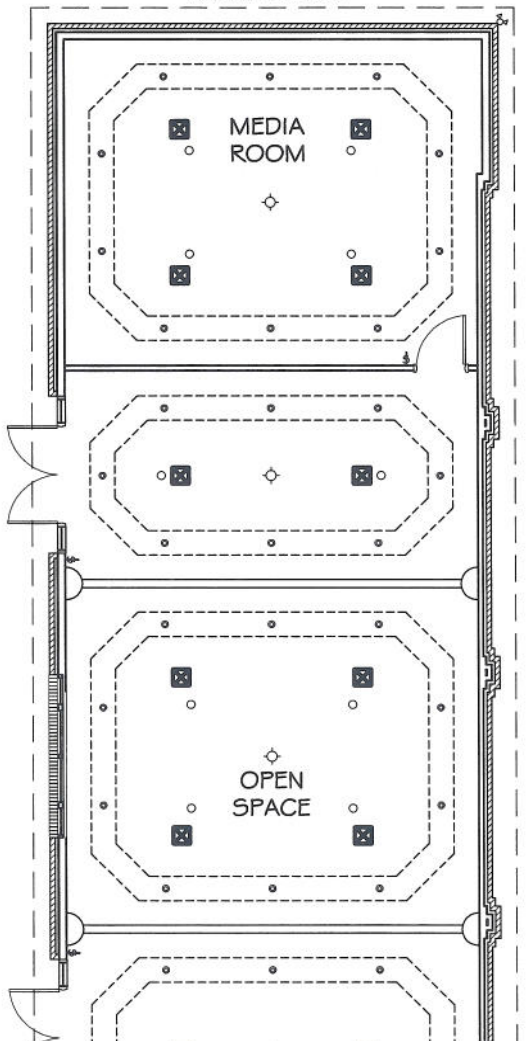
SHEET No: 10 OF 12

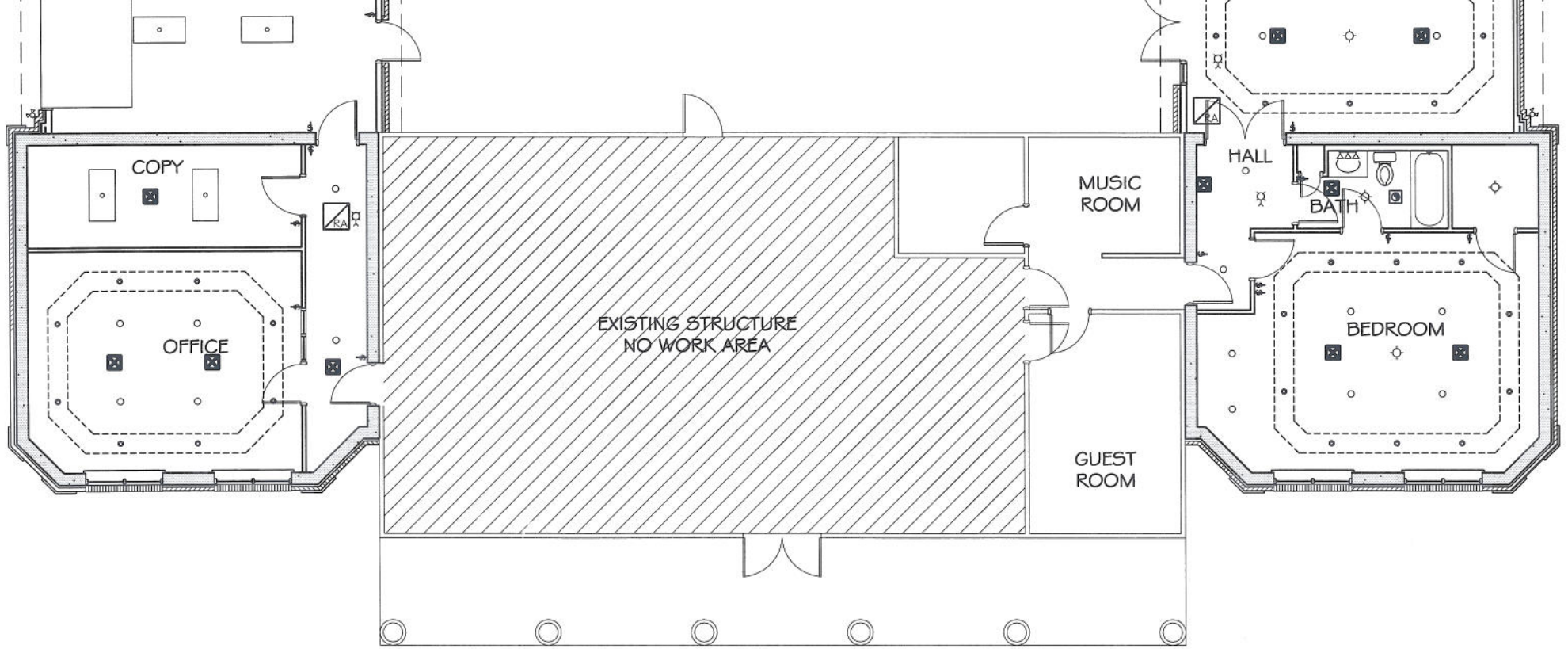
E-1

SOUTH WING



NORTH WING





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

LIGHTING LEGEND

- ○ - 6-3/4" RECESSED DOWNLIGHT, LYTECASTER "SHALLOW ALZAK" COMPACT FLOURESCENT 1x QUAD 13W LAMP, FRAME IN KIT #11104F1, REFLECTOR #1143
- ◎ - 4-1/2" RECESSED DOWNLIGHT, LYTEPOINTS 300X SERIES, ADJUSTABLE AZLAK CONE HALOGEN MR16 50W LAMP, UNIT# 305WHWX, FRAME-IN KIT #302MRIC7X
- ▭ - 2x4 SURFACE MOUNTED FLOURESCENT, 4x 50W LAMPS
- - FLOOD LIGHT, MOTION DETECTOR
- - LIGHT SWITCH
- - SURFACE MOUNTED FIXTURE, SELECT BY OWNER
- - LIGHT FIXTURE IN ATTIC

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PAUL WRIGHT
ADDITION TO EXISTING RESIDENCE
37111 LOUISIANA HWY 343
LACOMBE LA
70135

JOB No: 2147 | DATE: 06-06-2013
DRAWN BY: BSN | CHECKED BY: BSN

REVISIONS | DATE

STATE OF LOUISIANA
EMMETT C. DAMMON, JR.
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LIGHTING PLAN

SHEET No: 11 OF 12

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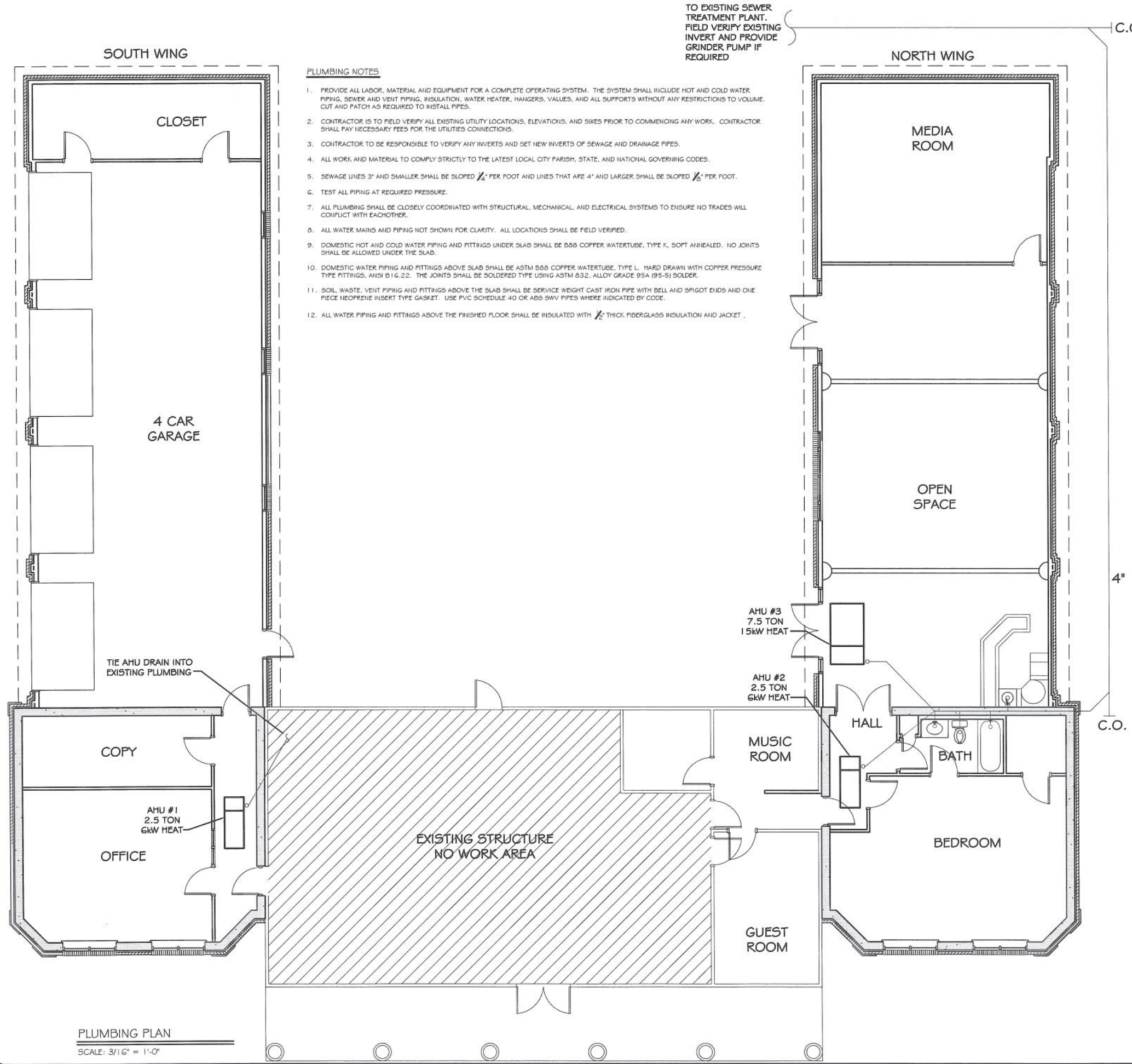
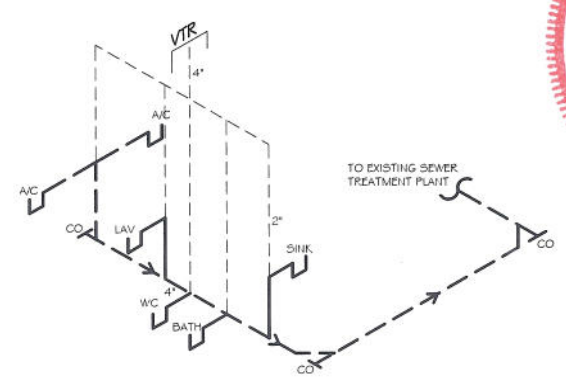


PLUMBING PLAN

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

PLUMBING NOTES

1. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, AND ALL SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME. CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
2. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS, AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
3. CONTRACTOR TO BE RESPONSIBLE TO VERIFY ANY INVERTS AND SET NEW INVERTS OF SEWAGE AND DRAINAGE PIPES.
4. ALL WORK AND MATERIAL TO COMPLY STRICTLY TO THE LATEST LOCAL CITY PARISH, STATE, AND NATIONAL GOVERNING CODES.
5. SEWAGE LINES 3" AND SMALLER SHALL BE SLOPED $\frac{1}{4}$" PER FOOT AND LINES THAT ARE 4" AND LARGER SHALL BE SLOPED $\frac{1}{8}$" PER FOOT.
6. TEST ALL PIPING AT REQUIRED PRESSURE.
7. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS TO ENSURE NO TRADES WILL CONFLICT WITH EACHOTHER.
8. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY. ALL LOCATIONS SHALL BE FIELD VERIFIED.
9. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE B88 COPPER WATERTUBE, TYPE K, SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
10. DOMESTIC WATER PIPING AND FITTINGS ABOVE SLAB SHALL BE ASTM B88 COPPER WATERTUBE, TYPE L, HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM 832, ALLOY GRADE 95A (95-5) SOLDER.
11. SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS SWV PIPES WHERE INDICATED BY CODE.
12. ALL WATER PIPING AND FITTINGS ABOVE THE FINISHED FLOOR SHALL BE INSULATED WITH $\frac{1}{2}$" THICK FIBERGLASS INSULATION AND JACKET .



PLUMBING RISER DIAGRAM

N.T.S.

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PLUMBING PLAN

SHEET No: 12 OF 12

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