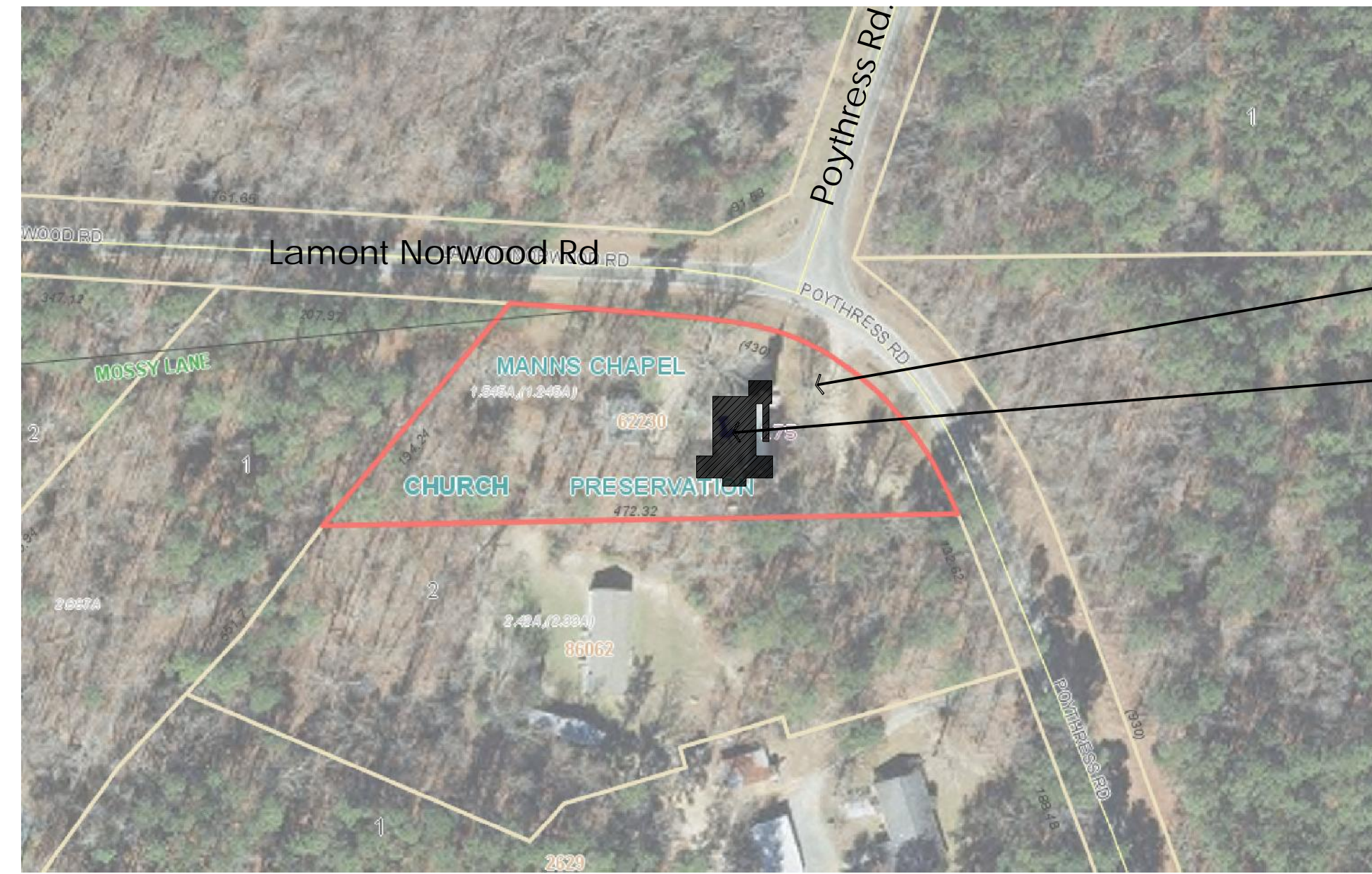


Manns Chapel Building Renovation



EXISTING BUILDING SITE -
Chatham County Gis Pin #9766-22-4900.000

RENOVATED BUILDING - (shown cross hatched)
175 Poythress Rd. Chapel Hill, NC

North
1 Location/Key Plan
A0.1 Scale : N.T.S.

DRAWING INDEX

ARCHITECTURAL

- A0.1 Cover Sheet, Location / Site Plan, Drawing Index
- A0.2 Code Summary - Appendix "B"
- A0.3 Life Safety Plan
- A1.0 Existing/ Demo Plan
- A2.0 First Floor Plan
- A2.1 Reflected Ceiling Plan
- A3.0 Exterior Elevations
- A4.0 Interior Elevations & Section

STRUCTURAL

- S1.0 Foundation Plan
- S1.1 Structural Details

MECHANICAL/ELECTRICAL/PLUMBING

- P1 Supply Plan, Schedule
- P2 DWV Plan, Riser
- M1 HVAC Notes & Schedules
- M2 HVAC Plan
- E1 Power Plan, Riser - Panel Schedule
- E2 Lighting Plan & Schedule

TENANT/OWNER: Manns Chapel

CONTRACTOR: T.B.D.

ARCHITECT: John L. Harvey Architecture + Design, Inc.

Hillsborough, NC 27278

STRUCTURAL: Raymond Engineering, Pittsboro, NC

MEP ENGINEERING: Webb Engineering, Mebane NC

Harvey a+d
John I. Harvey
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2128 Old Forest Drive
Hillsborough, NC 27278
office: (919) 883-1966
cell: (919) 323-1473
email:
info@harveyarchitecture.com
www.harveyarchitecture.com



LIST OF ABBREVIATIONS

#	AND	DBL.	DOUBLE	GND.	GROUND	O.C.	ON CENTER	ST.	STAINED
L	ANGLE	D.F.	DRINKING FOUNTAIN	GR.	GRADE	O.D.	OUTSIDE DIAMETER	STA.	STATION
@	AT	DET.	DETAIL	GWB	GYPSUM WALLBOARD	OPNG.	OPENING	STD.	STANDARD
CL	CENTERLINE	DIA.	DIAMETER	GYP	GYPSUM	OPP.	OPPOSITE	STL.	STEEL
Ø	DIAMETER OR ROUND	DIM.	DIMENSION	H.	HIGH HEIGHT	P.	PAINT	STOR.	STORAGE
#	FOUND OR NUMBER	DISP.	DISPENSER	H.B.	HOLLOW CORE	P.C.	PRE-CAST	STRUCT.	STRUCTURAL
ACOUS.	ACOUSTICAL	DMB	DRY MARKER BOARD	H.C.	HOLLOW CORE	PL.	PLATE	SUSP.	SUSPENDED
ACB	ACOUSTICAL CEILING BOARD	DN.	DOWN	HDCP	HANDICAP	P.LAM.	PLASTIC LAMINATE	SV.	SHEET VINYL
A.D.	AREA DRAIN	DR.	DOOR	HDWD	HARDWOOD	PLAST.	PLASTER	SYM.	SYMMETRICAL
ADJ.	ADJUSTABLE	D.S.	DOWNSPOUT	H.M.	HOLLOW METAL	PLYWD.	PLYWOOD	S.Y.P.	SOUTHERN YELLOW PINE
AFF	ABOVE FINISH FLOOR	DW.	DISHWASHER	HT.	HEIGHT	FR.	PAIR	SYS.	SYSTEM
ALUM.	ALUMINUM	DWG.	DRAWING	H.R.	HORIZONTAL HAND RAIL	PROJ.	PROJECT	S4S.	SURFACE FOUR SIDES
APPROX.	APPROXIMATE	E.	EAST	I.D.	INSIDE DIAMETER	P.T.	PAPER TOWEL DISP.	T.	TREAD, THICKNESS
ARCH.	ARCHITECTURAL	EA.	EACH	IHM	INSULATED HOLLOW METAL	P.T.	PAPER TOWEL RECP.T.	T.B.	TONE BAR
ASB.	ASBESTOS	E.C.	ELECTRICAL CONTRACTOR	INSUL.	INSULATION	P.T.D.	PAPER TOWEL DISP. & RECP.T.	T.C.	TOP OF CURB
ASP	ASPHALT	ELEV.	ELEVATION ELEVATOR	INT.	INTERIOR	P.T.D./R.	PAPER TOWEL DISP. & RECP.T.	TEL.	TELEPHONE
AVG.	AVERAGE	ELEC.	ELECTRICAL	INVT.	INVERT	P.T.R.	PAPER TOWEL RECP.T.	TER.	TERRAZZO
B.G.	BOTTOM OF CURB	EMER.	EMERGENCY	ITPG	INSULATED TEMP. PL. GLASS	Q.T.	QUARRY TILE	T.F.	TOP OF FOOTING
BD	BOARD	E.M.R.	ELEVATOR MACHINE ROOM	JAN.	JANITOR	R.	RISER, ROD	T&G	TONGUE & GROOVE
B.F.	BOTTOM OF FOOTING	ENCL.	ENCLOSURE	JT.	JOINT	R & SH	ROD & SHELF	THK.	THICK
BITUM.	BITUMINOUS	EQ.	EQUAL	KIT.	KITCHEN	RAD.	RADIUS	T.O.	TOP OF
BLDG.	BUILDING	EQUIP.	EQUIPMENT	LAM.	LAMINATE	R.B.	RUBBER BASE (STRAIGHT)	T.O.W.	TOP OF WALL
BLK.	BLOCK	E.S.	EXPOSED STRUCTURE	LAV.	LAVATORY	R.CB	RUBBER COVE BASE	T.P.	TOP OF PAVEMENT
BM.	BEAM	EXP.	EXPANSION	LKR.	LOCKER	R.D.	ROOF DRAIN	T.P.D.	TOILET PAPER DISP.
B.M.	BENCH MARK	EXT.	EXTERIOR	LT.	LIGHT	RECP.T.	RECEPTACLE	TPG.	TEMPERED PLATE GLASS
BOT	BOTTOM	ENG	ELECTRIC WATER COOLER	MAX.	MAXIMUM	REF.	REFERENCE	TV	TELEVISION
BRG	BEARING	F.D.	FLOOR DRAIN	M.C.	MECHANICAL CONTRACTOR	REFRIG.	REFRIGERATOR	T.W.F.	THRU WALL FLASHING W/WEEPS @24"O.C.
BRK	BRICK	FDN.	FOUNDATION	MED. CAB.	MEDICINE CABINET	REINF.	REINFORCED	TY.P.	TYPICAL
B/W	BETWEEN	F.E.	FIRE EXTINGUISHER	MECH.	MECHANICAL	REQ.	REQUIRED	UC	UNDERCUT
CAB.	CABINET	F.E.C.	FIRE EXTINGUISHER CABINET	MEMB.	MEMBRANE	RESIL.	RESILIENT	U.D.	UNIT DIMENSION
C.B.	CATCH BASIN	F.H.C.	FIRE HOSE CABINET	MFR.	MANUFACTURER	REV.	REVISION, REVISED	UNFIN.	UNFINISHED
C.C.T.	CUBICLE CURTAIN TRACK	FIN.	FINISH	M.H.	MANHOLE	R.M.	ROOM	U.O.N.	UNLESS OTHERWISE NOTED
CEN.	CEMENT	FL.	FLOOR	MIN.	MINIMUM	R.O.	ROUGH OPENING	UR.	URINAL
CER.	CERAMIC	FLASH.	FLASHING	MIR.	MIRROR	S.	SOUTH	VB	VINYL BASE (STRAIGHT)
CER.	CERAMIC	FLUOR.	FLUORESCENT	MISC.	MISCELLANEOUS	S.C.	SOLID CORE	V.C.B.	VINYL COVE BASE
CFM	CUBIC FEET PER MINUTE	F.O.	FACE OF	M.O.	MASONRY OPENING	S.CHD.	SCHEDULE	VCT	VINYL COMPOSITION TILE
C.I.	CAST IRON	FR.	FIRE RATING	MR.	MOISTURE RESISTANT	S.D.	SOAP DISPENSER	VENT.	VENTILATED
C.J.	CONTROL JOINT	FRGS	FIRE RATED GLAZING SYSTEM	MTD.	MOUNTED	SECT.	SECTION	VERT.	VERTICAL
CL	CENTER LINE	F.R.T.	FIRE RETARDANT TREATED	MTL.	METAL	S.F.	SQUARE FEET	VEST.	VESTIBULE
CLG.	CEILING	FT.	FOOT OR FEET	MULL.	MULLION	SH.	SHelf	VGWB	VINYL COATED GWB
CLKG.	CAULKING	FURR.	FURRING	N.	NORTH	SHR.	SHOWER	W.	WEST, WIDTH
CLO.	CLOSET	FUT.	FUTURE	N.A.	NOT APPLICABLE	SHT.	SHEET	W/	WITH
CLR.	CLEAR	GA.	GAUGE	N.I.G.	NOT IN CONTRACT	SIM.	SIMILAR	W.C.	WATER CLOSET
CMU	CONCRETE MASONRY UNIT	GALV.	GALVANIZED	NO.	NUMBER	S.N.D.	SANITARY NAPKIN DISP.	WD	WOOD
CNTR.	COUNTER	G.B.	GRAB BAR	NOM.	NOMINAL	S.N.R.	SANITARY NAPKIN RECEPT.	WG	WIRED GLASS
COL.	COLUMN	G.C.	GENERAL CONTRACTOR	N.T.S.	NOT TO SCALE	SPEC.	SPECIFICATION	W/O	WITHOUT
CONC.	CONCRETE	GL.	GLASS			S.P.F.	SPRUCE PINE FIR	WP	WATERPROOF
COND.	CONDITIONED					SO.	SQUARE	WSC.T.	WAINSCOAT
CONN.	CONNECTION					SR.	SHEET RUBBER	WT.	WEIGHT
CONSTR.	CONSTRUCTION					S.S.	STAINLESS STEEL	WWF	WELDED WIRE FABRIC
CONT.	CONTINUOUS								
CORR.	CORRIDOR								
CPT.	CARPET								
C.T.	CERAMIC TILE								
C.Y.	CUBIC YARD								

SYMBOLS KEY

100	ROOM NUMBER
100	DOOR MARK
◇	PARTITION TYPE
1	DETAIL KEY
1	BUILDING SECTION KEY OR WALL SECTION KEY
1	INTERIOR ELEVATION KEY
1	EXTERIOR ELEVATION KEY
●	CONTROL OR WORK POINT OR ELEVATION POINT
△	REVISION
1	TOILET ACCESSORY OR SPECIALTY ITEM
1	NOTE - SEE KEYED NUMBER

GENERAL NOTES
1. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF STUDS, FACE OF CONCRETE BLOCK OR BRICK, UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO VERIFY ALL EXIST'G & PROPOSED DIMENSIONS & CONDITIONS PRIOR TO THE BEGINNING OF CONSTRUCTION.
3. DO NOT SCALE THE DRAWINGS.
4. ALL WORK TO BE PERFORMED WITHIN ALL LOCAL, STATE & NATIONAL CODES CURRENTLY ADOPTED.
5. CONTRACTOR(S) OR OWNER TO PROVIDE & INCLUDE ALL NECESSARY BUILDING PERMITS, BONDS & IMPACT FEES

MATERIALS KEY

[Pattern]	EARTH
[Pattern]	STONE OR GRAVEL
[Pattern]	CONCRETE - LARGE SCALE
[Pattern]	GROUT, MORTAR, CEMENT, GYPSUM
[Pattern]	CONCRETE BLOCK
[Pattern]	FACE BRICK
[Pattern]	MARBLE
[Pattern]	STEEL, METAL
[Pattern]	ROUGH WOOD OR BLOCKING
[Pattern]	FINISHED WOOD
[Pattern]	STUD WALL
[Pattern]	BATT INSULATION
[Pattern]	ACOUSTICAL TILE
[Pattern]	RIGID INSULATION
[Pattern]	PLYWOOD

EXISTING WALL KEY

[Pattern]	EXISTING WALL OR CONSTRUCTION TO REMAIN
[Pattern]	EXISTING WALL OR CONSTRUCTION TO BE REMOVED
[Pattern]	PORTION OF EXISTING BUILDING TO REMAIN UNALTERED
[Pattern]	NEW STUD WALL

Manns Chapel Remodeling
 175 Poythress Road
 Chapel Hill, North Carolina 27516

Revisions
No. / Description / Date

This sheet is formatted for a 24" x 36" print. If this print does not measure that - refer to the graphic scale.

Sheet Title:
Cover Sheet, Key Plan, Drawing Index

Date: July 1, 2014
Project: 14010
Sheet Number: A 0.1

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**2012 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)**

Name of Project: Mann's Chapel
 Address: 175 Polythress Rd. Chapel Hill, NC Zip Code: 27516
 Proposed Use: Banquet Hall
 Owner/Authorized Agent: Aimee Flynn Phone # (919) XXX-XXXX E-Mail flynnaimce@gmail.com
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City County Chatham State

LEAD DESIGN PROFESSIONAL: John Harvey
 DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL
 Architectural JLH Architecture + Design, Inc. John Harvey 2918 (919) 883-1966 john@harveyarchitecture.com
 Civil N/A
 Electrical Webb Engineering, PC David Webb 15492 (336) 263-8486 webbengineering@triad.rr.com
 Fire Alarm N/A
 Plumbing Webb Engineering, PC David Webb 15492 (336) 263-8486 webbengineering@triad.rr.com
 Mechanical Webb Engineering, PC David Webb 15492 (336) 263-8486 webbengineering@triad.rr.com
 Sprinkler-Standpipe N/A
 Structural Ravmond Engineering, Inc. Bruce Ravmond 30017 (919) 942-7000 ravmondengineering@triad.rr.com
 Retaining Walls >5' High N/A
 Other N/A

2012 EDITION OF NC CODE FOR: New Construction Addition Upfit
EXISTING: Reconstruction Alteration Repair Renovation
CONSTRUCTED: (date) 1887 **ORIGINAL USE(S)** (Ch. 3): A-3-Place of Worship
RENOVATED: (date) _____ **CURRENT USE(S)** (Ch. 3): A-3-Place of Worship
PROPOSED USE(S) (Ch. 3): A-2- Banquet Hall

BASIC BUILDING DATA
 Construction Type: I-A II-A III-A IV V-A
 I-B II-B III-B V-B
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Standpipes: No Yes Class I II III Wet Dry
 Fire District: No Yes (Primary) **Flood Hazard Area:** No Yes
 Building Height: (feet) 30
Gross Building Area:

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
4 th Floor			
3 rd Floor			
2 nd Floor			
Mezzanine			
1 st Floor	2,692		2,692
Basement			
TOTAL	2,692		2,692

Based upon field measurements – and information available on Chatham County GIS website

ALLOWABLE AREA

Occupancy:
 Assembly A-1 A-2 A-3 A-4 A-5
 Business
 Educational
 Factory F-1 Moderate F-2 Low
 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional I-1 I-2 I-3 I-4
 I-3 Condition 1 2 3 4 5
 Mercantile
 Residential R-1 R-2 R-3 R-4
 Storage S-1 Moderate S-2 Low High-piled
 Parking Garage Open Enclosed Repair Garage
 Utility and Miscellaneous

Accessory Occupancies:
 Assembly A-1 A-2 A-3 A-4 A-5
 Business
 Educational
 Factory F-1 Moderate F-2 Low
 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional I-1 I-2 I-3 I-4
 I-3 Condition 1 2 3 4 5
 Mercantile
 Residential R-1 R-2 R-3 R-4
 Storage S-1 Moderate S-2 Low High-piled
 Parking Garage Open Enclosed Repair Garage
 Utility and Miscellaneous

Incidental Uses (Table 508.2.5):
 Furnace room where any piece of equipment is over 400,000 Btu per hour input
 Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
 Refrigerant machine room
 Hydrogen cutoff rooms, not classified as Group H
 Incinerator rooms
 Paint shops, not classified as Group H, located in occupancies other than Group F
 Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy
 Laundry rooms over 100 square feet
 Group I-3 cells equipped with padded surfaces
 Group I-2 waste and linen collection rooms
 Waste and linen collection rooms over 100 square feet
 Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
 Rooms containing fire pumps
 Group I-2 storage rooms over 100 square feet
 Group I-2 commercial kitchens
 Group I-2 laundries equal to or less than 100 square feet
 Group I-2 rooms or spaces that contain fuel-fired heating equipment

Special Uses: 402 403 404 405 406 407 408 409 410 411 412
 413 414 415 416 417 418 419 420 421 422 423 424
 425 426 427

Special Provisions: 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.9

This separation is not exempt as a Non-Separated Use (see exceptions).
 Non-Separated Use (508.3)
 The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
 Separated Use (508.4) - See below for area calculations
 For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} < 1$$

$$+ \dots = \dots \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503.5 AREA	(C) AREA FOR FRONTAGE INCREASE ¹	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ³	(F) MAXIMUM BUILDING AREA ⁴
First Floor	A-2 Banquet Hall	2,692	6,000	-	-	6,000	6,000
Based upon field measurements							

- ¹ Frontage area increases from Section 506.2 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = N/A (F)
 b. Total Building Perimeter = N/A (P)
 c. Ratio (F/P) = N/A (F/P)
 d. W = Minimum width of public way = 30' (W)
 e. Percent of frontage increase $I_f = 100 [(F/P - 0.25)] \times W/30 = \underline{\hspace{2cm}}$ (%)
- ² The sprinkler increase per Section 506.3 is as follows:
 a. Multi-story building $I_s = 200$ percent
 b. Single story building $I_s = 300$ percent
- ³ Unlimited area applicable under conditions of Section 507.
⁴ Maximum Building Area = total number of stories in the building x E (506.4).
⁵ The maximum area of open parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.1.2.

ALLOWABLE HEIGHT

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type <u>V-B</u>		Type <u>V-B</u>	Table 601
Building Height in Feet	Existing	Feet = H + 20' = <u> </u>	Existing	Table 503
Building Height in Stories	1	Stories + 1 = <u>1</u>	1	Table 503

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	RATING PROVIDED (w/REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	-	-	-				
Bearing Walls							
Exterior	-	N/C					
North	-	N/C					
East	-	N/C					
West	-	N/C					
South	-	N/C					
Interior	>30'	N/C					
Nonbearing Walls and Partitions							
Exterior walls							
North	>30'	N/C					
East	>30'	N/C					
West	>30'	N/C					
South	>30'	N/C					
Interior walls and partitions	-	N/C					
Floor Construction							
Including supporting beams and joists	-	N/C					
Roof Construction							
Including supporting beams and joists	-	N/C					
Shaft Enclosures - Exit	-	N/A					
Shaft Enclosures - Other	-	N/A					
Corridor Separation	-	N/A					
Occupancy Separation	-	N/A					
Party/Fire Wall Separation	-	N/A					
Smoke Barrier Separation	-	N/A					
Tenant Separation	-	N/A					
Incidental Use Separation	-	-					

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: No Yes
 Exit Signs: No Yes
 Fire Alarm: No Yes
 Smoke Detection Systems: No Yes Partial
 Panic Hardware: No Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: A03

Fire and/or smoke rated wall locations (Chapter 7)
 Automatic and manual fire alarm

- Exterior wall opening area with respect to distance to assumed property lines (705.8)
- Existing structures within 30' of the proposed building
- Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)
- Occupant loads for each area
- Exit access travel distances (1016)
- Common path of travel distances (1014.3 & 1028.8)
- Dead end lengths (1018.4)
- Clear exit widths for each exit door
- Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)
- Actual occupant load for each exit door
- A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- Location of doors with panic hardware (1008.1.10)
- Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)
- Location of doors with electromagnetic egress locks (1008.1.9.8)
- Location of doors equipped with hold-open devices
- Location of emergency escape windows (1029)
- The square footage of each fire area (902)
- The square footage of each smoke compartment (407.4)
- Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR	SPACES WITH 8' ACCESS AISLE	
Parking Lot					
TOTAL					

DESIGN LOADS:

Importance Factors: Wind (I_w) _____
 Snow (I_s) _____
 Seismic (I_e) _____

Live Loads: Roof _____ psf
 Mezzanine _____ psf
 Floor _____ psf

Wind Load: Basic Wind Speed _____ mph (ASCE-7)
 Exposure Category _____
 Wind Base Shears (for MWFRS) V_x = _____ V_y = _____

SEISMIC DESIGN CATEGORY: A B C D

Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5) I II III IV
Spectral Response Acceleration S_s _____ %g S₁ _____ %g
Site Classification (Table 1613.5.2) A B C D E F
 Data Source: Field Test Presumptive Historical Data

Basic structural system (check one)
 Bearing Wall Dual w/Special Moment Frame
 Building Frame Dual w/Intermediate R/C or Special Steel
 Moment Frame Inverted Pendulum

Seismic base shear: V_x = _____ V_y = _____
 Simplified Equivalent Lateral Force Dynamic

Architectural, Mechanical, Components anchored? Yes No

LATERAL DESIGN CONTROL: Earthquake Wind

SOIL BEARING CAPACITIES:
 Field Test (provide copy of test report) _____ psf
 Presumptive Bearing capacity _____ psf
 Pile size, type, and capacity _____

SPECIAL INSPECTIONS REQUIRED: Yes No

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE	WATER CLOSETS		URINALS	LAVATORIES		SHOWERS/TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
A-2 Use	EXISTING							
102 OCCUPANTS	NEW	1	1	-	1	-	-	1
	REQUIRED	1	1	-	1	-	-	1

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)

ENERGY SUMMARY

ENERGY REQUIREMENTS:
 The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Climate Zone: 3 4 5

Method of Compliance:
 Prescriptive (Energy Code)
 Performance (Energy Code)
 Prescriptive (ASHRAE 90.1)
 Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/ceiling Assembly (each assembly)
 Description of assembly: Existing – Wood Rafters, Sheathing, Metal Roof
 U-Value of total assembly: 0.021 Required
 R-Value of insulation: R-42 Required
 Skylights in each assembly: N/A
 U-Value of skylight: N/A
 total square footage of skylights in each assembly: N/A

Exterior Walls (each assembly)
 Description of assembly: Existing—Wood Siding, Sheathing, Wood Framing, Painted Wood Panel Interior
 U-Value of total assembly: 0.051
 R-Value of insulation: R-13+R-7.5 Continuous Insulation (Filled Cavity) Required
 Openings (windows or doors with glazing)
 U-Value of assembly: R5 Required (Existing – Non Metal Single Pane)
 Solar heat gain coefficient: .7 Required (Existing – Opaque Single Pane)
 projection factor: _____
 Door R-Values: _____

Walls below grade (each assembly)
 Description of assembly: Existing – CMU
 U-Value of total assembly: .119 Required
 R-Value of insulation: R-7.5 Continuous Insulation Required

Floors over unconditioned space (each assembly)
 Description of assembly: Existing – Wood Joists, Wood Panel Floor
 U-Value of total assembly: 0.026 Required
 R-Value of insulation: R-38 Required

Floors slab on grade
 Description of assembly: N/A
 U-Value of total assembly: N/A
 R-Value of insulation: N/A
 Horizontal/vertical requirement: N/A
 slab heated: N/A

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
 winter dry bulb: _____
 summer dry bulb: _____

Interior design conditions
 winter dry bulb: _____
 summer dry bulb: _____
 relative humidity: _____

Building heating load: _____
Building cooling load: _____

Mechanical Spacing Conditioning System
 Unitary
 description of unit: _____
 heating efficiency: _____
 cooling efficiency: _____
 size category of unit: _____
 Boiler
 Size category. If oversized, state reason: _____
 Chiller
 Size category. If oversized, state reason: _____

List equipment efficiencies: _____

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
 Energy Code: Prescriptive Performance
 ASHRAE 90.1: Prescriptive Performance

Lighting schedule (each fixture type)
 lamp type required in fixture _____
 number of lamps in fixture _____
 ballast type used in the fixture _____
 number of ballasts in fixture _____
 total wattage per fixture _____
 total interior wattage specified vs. allowed (whole building or space by space) _____
 total exterior wattage specified vs. allowed _____

Additional Prescriptive Compliance
 506.2.1 More Efficient Mechanical Equipment
 506.2.2 Reduced Lighting Power Density
 506.2.3 Energy Recovery Ventilation Systems
 506.2.4 Higher Efficiency Service Water Heating
 506.2.5 On-Site Supply of Renewable Energy
 506.2.6 Automatic Daylighting Control Systems

ELECTRICAL SYSTEM AND EQUIPMENT

See Electrical Plans for more information



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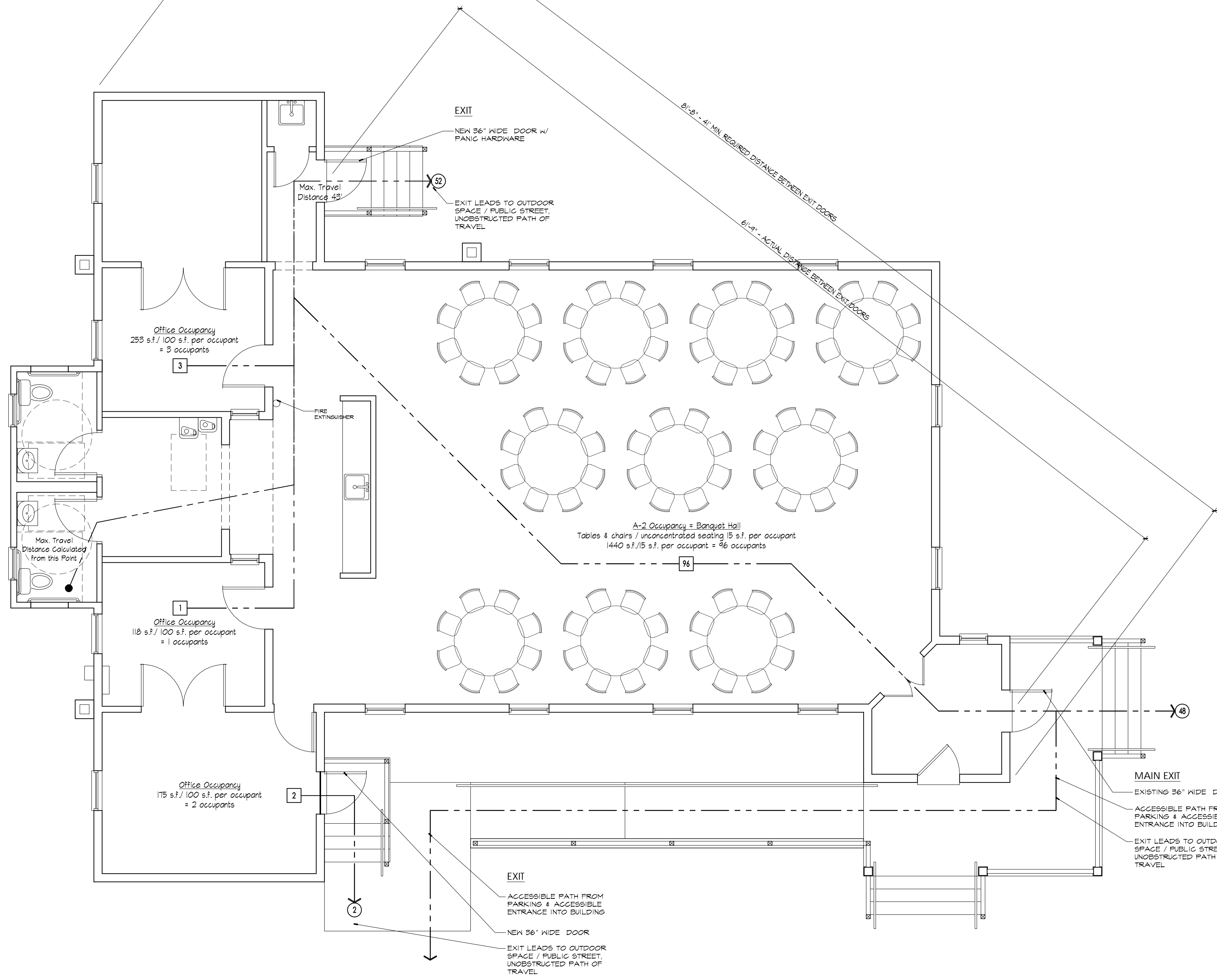
Revisions
 No. / Description / Date

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Sheet Title:
 Appendix B

Date: July 1, 2014
 Project: 14010
 Sheet Number:
 A 0.2

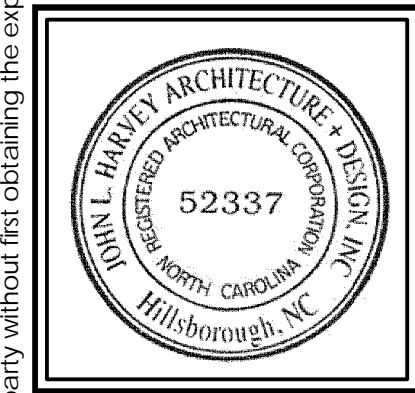
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LIFE SAFETY NOTES

1. BUILDINGS ARE INTERPRETED THROUGH 2012 NORTH CAROLINA BUILDING CODE.

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LIFE SAFETY LEGEND

- 8 OCCUPANCY OF ROOM/EGRESS PATH
- ← EGRESS PATH - DIRECTION OF TRAVEL
- 92 TOTAL OCCUPANTS THRU EXIT
- 2A/B/C FIRE EXTINGUISHER (RECESSED CABINET OR SURFACE MOUNTED)
- - - 1 HOUR FIRE RATED WALL

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Sheet Title:
 Life Safety Plan

Date: July 1, 2014
 Project: 14010

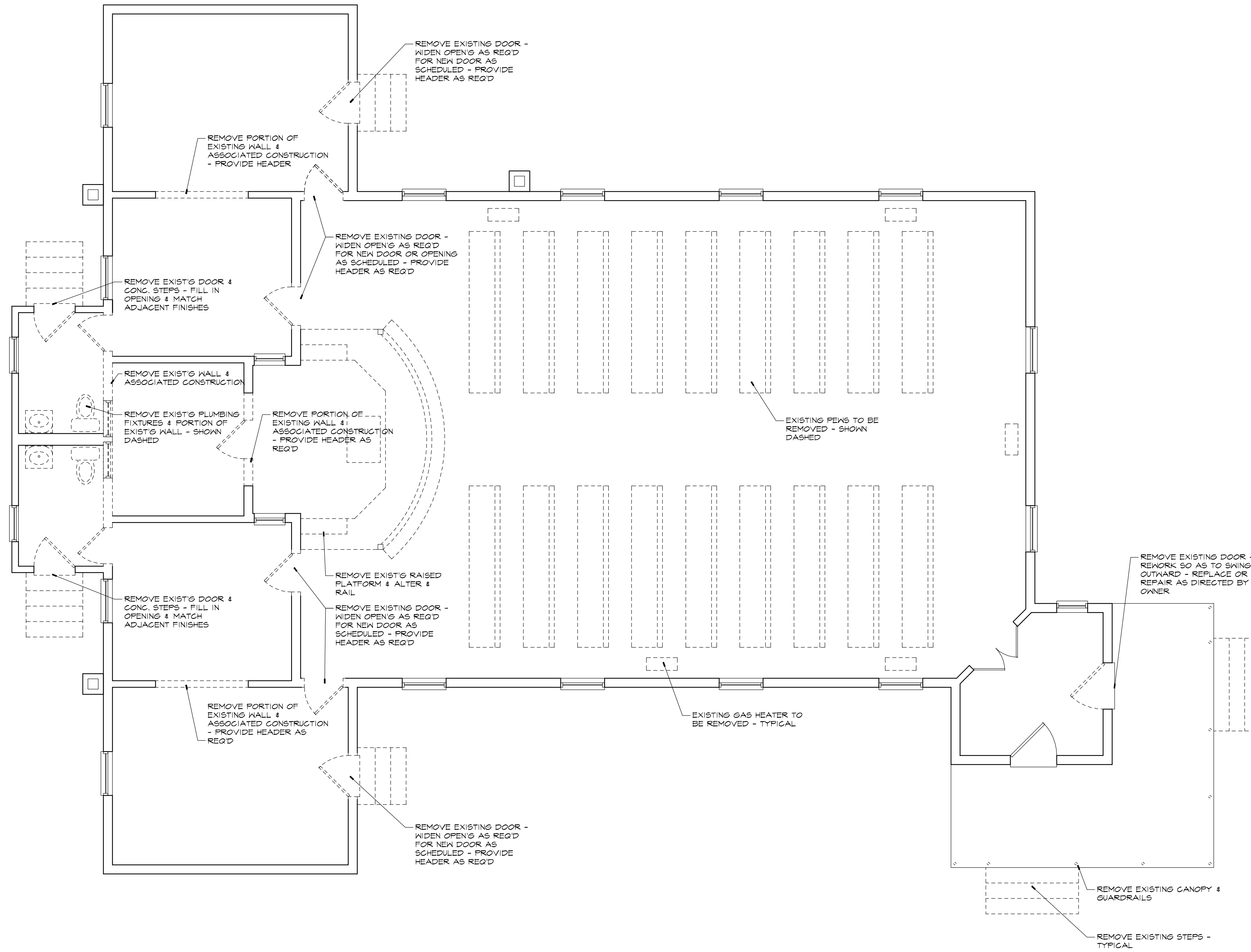
Sheet Number:



LIFE SAFETY PLAN

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

Permit Set



EXISTING PLAN NOTES

1. THE EXISTING BUILDING INFORMATION SHOWN WAS GATHERED BY THE ARCHITECT AND/OR PROVIDED BY THE OWNER - IT IS THE CONTRACTORS AND/OR THE OWNERS RESPONSIBILITY TO VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN THE INFORMATION PROVIDED IMMEDIATELY.
2. IF ANY ADVERSE CONDITIONS ARE ENCOUNTERED DURING CONSTRUCTION IT IS THE OWNER'S AND/OR CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT IMMEDIATELY.
3. ALL INTERIOR WALLS SHOWN ARE ASSUMED TO BE NON-LOAD BEARING - THERE ARE NO STRUCTURAL CHANGES INCLUDED IN THESE PLANS.
4. THE REQUIRED FIRE RATINGS OF ANY EXISTING WALL, DOOR, CEILING, ROOF OR ANY OTHER EXISTING CONSTRUCTION OR COMPONENT SHALL NOT BE ALTERED, COMPROMISED OR REDUCED IN ANY WAY.
5. REPAIR AND REPLACE ANY ROTTEN OR DAMAGED CONSTRUCTION.
6. ANY REPAIRED AREAS SHALL MATCH ADJACENT MATERIALS AND FINISHES.

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No.	Description	Date

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Sheet Title:
 Existing First Floor Plan

Date: July 1, 2014
 Project: 14010
 Sheet Number:

EXISTING FLOOR PLAN

1

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

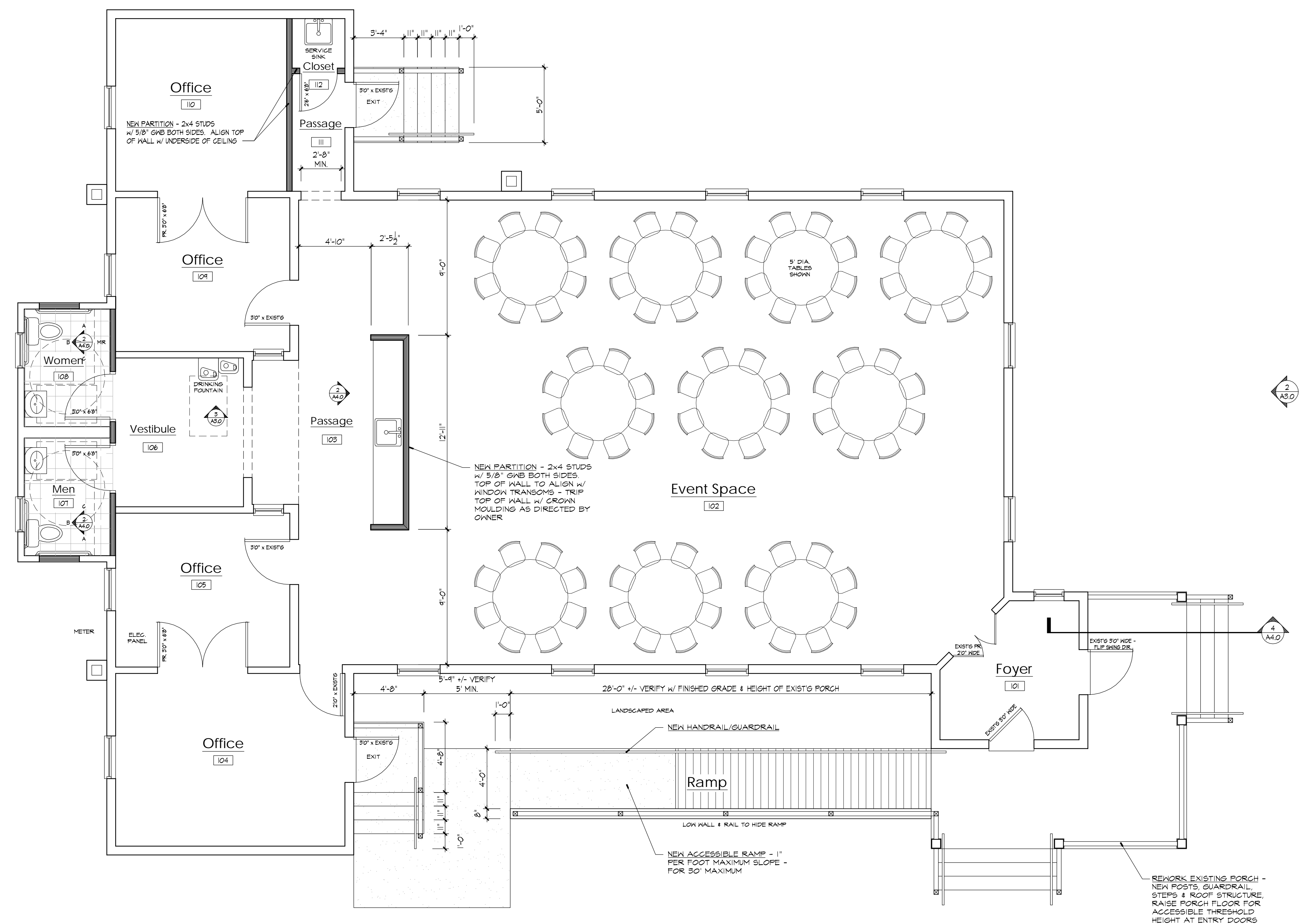


A 1.0



PLAN NOTES

1. THE GENERAL CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND DIMENSIONS AND FULLY ACQUAINT HIMSELF WITH THE SPECIFICS OF THE CONSTRUCTION DOCUMENTS PRIOR TO CONSTRUCTION. IT IS THE OWNER/CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
2. ALL WORK PERFORMED BY THE CONTRACTOR/SUB-CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF MUNICIPAL, LOCAL OR FEDERAL AND STATE LAWS AS WELL AS ANY OTHER GOVERNING REQUIREMENTS, WHETHER OR NOT SPECIFIED WITH THE CONSTRUCTION DOCUMENTS.
3. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF THE CONSTRUCTION SHOWN ON THESE PLANS.
5. ALL ANGLED WALLS IN PLAN, ARE AT 45 DEGREES UNLESS OTHERWISE NOTED OR DIMENSIONED.
6. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF STUDS, FACE OF BRICK, FACE OF CONG., FACE OF EXISTING WALL - UNLESS OTHERWISE NOTED.
7. VERIFY MECHANICAL, ELECTRICAL, AND PLUMBING REQUIREMENTS PRIOR TO CONSTRUCTION COORDINATE WITH BUILDING PLANS.
8. VERIFY FINAL LOCATION OF AIR HANDLER, HVAC EQUIPMENT, WATER HEATER, ELECTRICAL PANEL, METER AND ANY OTHER MECHANICAL EQUIPMENT WITH OWNER PRIOR TO INSTALLATION. COORDINATE LAYOUT WITH ARCHITECTURAL PLANS.
9. VERIFY MANUFACTURER'S ROUGH-IN REQUIREMENTS AND DIMENSIONS PRIOR TO FRAMING AROUND PLUMBING FIXTURES.
10. ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE OR THE GROUND TO BE 40 P.T. NO. 2 SOUTHERN YELLOW PINE.
11. PROVIDE FINISH FLOOR MATERIAL UNDER ALL MILLWORK AND APPLIANCES.
12. MATCH ADJACENT MATERIALS AND FINISHES - TYPICAL FOR AREAS OF RENOVATION UNLESS OTHERWISE NOTED.
13. ANY REPAIRS OR NEW PENETRATIONS OF EXISTING DEMISING WALL SHALL BE THOROUGHLY SEALED & CALLED TO PREVENT ODORS FROM MIGRATING TO ADJACENT TENANT SPACES.
14. ANY NEW INTERIOR FINISHES TO BE SELECTED BY OWNER.
15. FURNITURE LAYOUT SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY - FURNITURE TO BE SELECTED BY OWNER, & MAY VARY SLIGHTLY IN SIZE & LAYOUT.
16. IT MAY BE NECESSARY TO ADJUST WALL LAYOUT & HEIGHTS SLIGHTLY TO COORDINATE WITH EXISTING CEILING GRID, SPRINKLER HEADS, LIGHTING FIXTURES AND OTHER EXISTING FIXTURES AND/OR CONDITIONS.
17. PROVIDE SOLID BLOCKING FOR GRAB BARS, RESTROOM ACCESSORIES, KITCHEN EQUIPMENT & ETC.
18. INVESTIGATE AND REPAIR ANY EXISTING ROOF LEAKS.
19. NEW WALL CONSTRUCTION TO BE 2X4 WOOD STUDS W/ (1) ONE LAYER 5/8" GWB BOTH SIDES.
20. INSULATE EXTERIOR WALLS, CRAWL SPACE AND ATTIC SPACE TO ACHIEVE REQUIRED "R" VALUE.
21. PROVIDE MOPABLE FLOOR SURFACE IN TOILET ROOMS.



EXISTING WALL LEGEND

	EXISTING WALL OR CONSTRUCTION TO REMAIN
	EXISTING WALL OR CONSTRUCTION TO REMOVE
	PORTION OF EXISTING BUILDING TO REMAIN UNALTERED
	NEW STUD WALL

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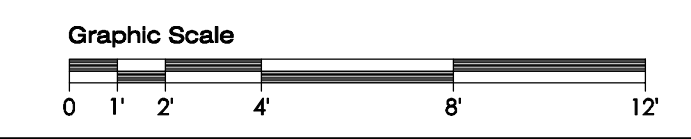
Revisions
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Sheet Title:
First Floor Plan

Date: July 1, 2014
 Project: 14010

Sheet Number:



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

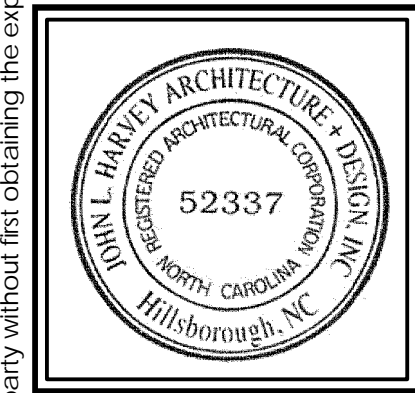
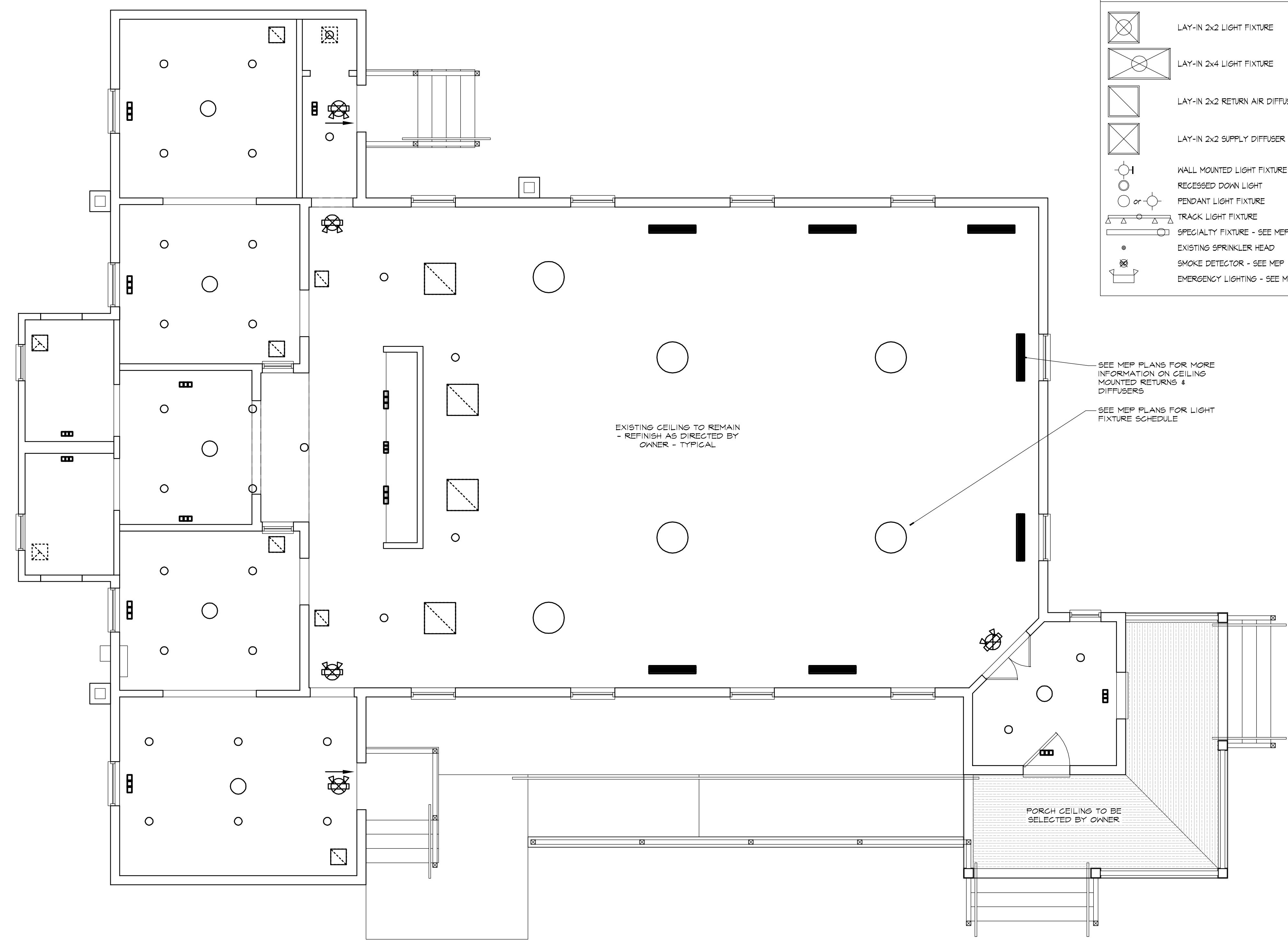


CEILING PLAN NOTES

- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL PREVAIL.
- CEILING HEIGHTS MAY VARY. SEE DRAWINGS FOR CHANGES IN CEILING PLANE. HEIGHTS ARE MEASURED FROM FINISH FLOOR ELEVATION OF ROOM/SPACE.
- WHERE APPLICABLE, CENTER FIXTURE(S) ON WIDTH OF ROOM/AREA.
- PROVIDE GAS CONTROL JOINTS - "GJ" - AS INDICATED. MAINTAIN REQUIRED RATING.
- THE REFLECTED CEILING PLAN IS FOR GENERAL REFERENCE OF ARCHITECTURAL PLANS TO MEP DRAWINGS. REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC FIXTURE TYPES AND MORE INFORMATION ON MECHANICAL SYSTEMS.
- REFER TO ELECTRICAL DRAWINGS FOR EXIT AND EMERGENCY LIGHTING LOCATIONS. COORDINATE MOUNTING LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- SEE CIVIL DRAWINGS FOR LOCATIONS OF SITE LIGHTING.
- REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF AIR DEVICES. UNLESS NOTED OTHERWISE, DEVICES TO BE CENTERED WITHIN WIDTH OF CEILING AND/OR CENTERED ON LIGHT FIXTURES. VERIFY LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE ACCESS PANELS - "AP" - WHERE REQUIRED. COORDINATE LOCATIONS WITH FINE DRAWINGS. WHERE POSSIBLE ACCESS PANELS TO BE LOCATED IN UTILITY SPACES OR CLOSETS, AND NOT IN CEILING OF PUBLIC SPACES. "AP'S" TO BE RATED WHERE REQUIRED BY CODE.
- ELECTRICAL FIXTURE LOCATIONS AND QUANTITY ARE FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

CEILING / FIXTURE LEGEND

	LAY-IN 2x2 LIGHT FIXTURE
	LAY-IN 2x4 LIGHT FIXTURE
	LAY-IN 2x2 RETURN AIR DIFFUSER
	LAY-IN 2x2 SUPPLY DIFFUSER
	WALL MOUNTED LIGHT FIXTURE
	RECESSED DOWN LIGHT
	PENDANT LIGHT FIXTURE
	TRACK LIGHT FIXTURE
	SPECIALTY FIXTURE - SEE MEP
	EXISTING SPRINKLER HEAD
	SMOKE DETECTOR - SEE MEP
	EMERGENCY LIGHTING - SEE MEP



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Sheet Title:
Reflected Ceiling Plan

Date: July 1, 2014
 Project: 14010

Sheet Number:

REFLECTED CEILING PLAN

1

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

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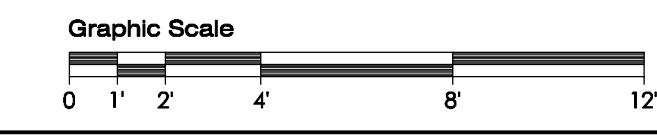
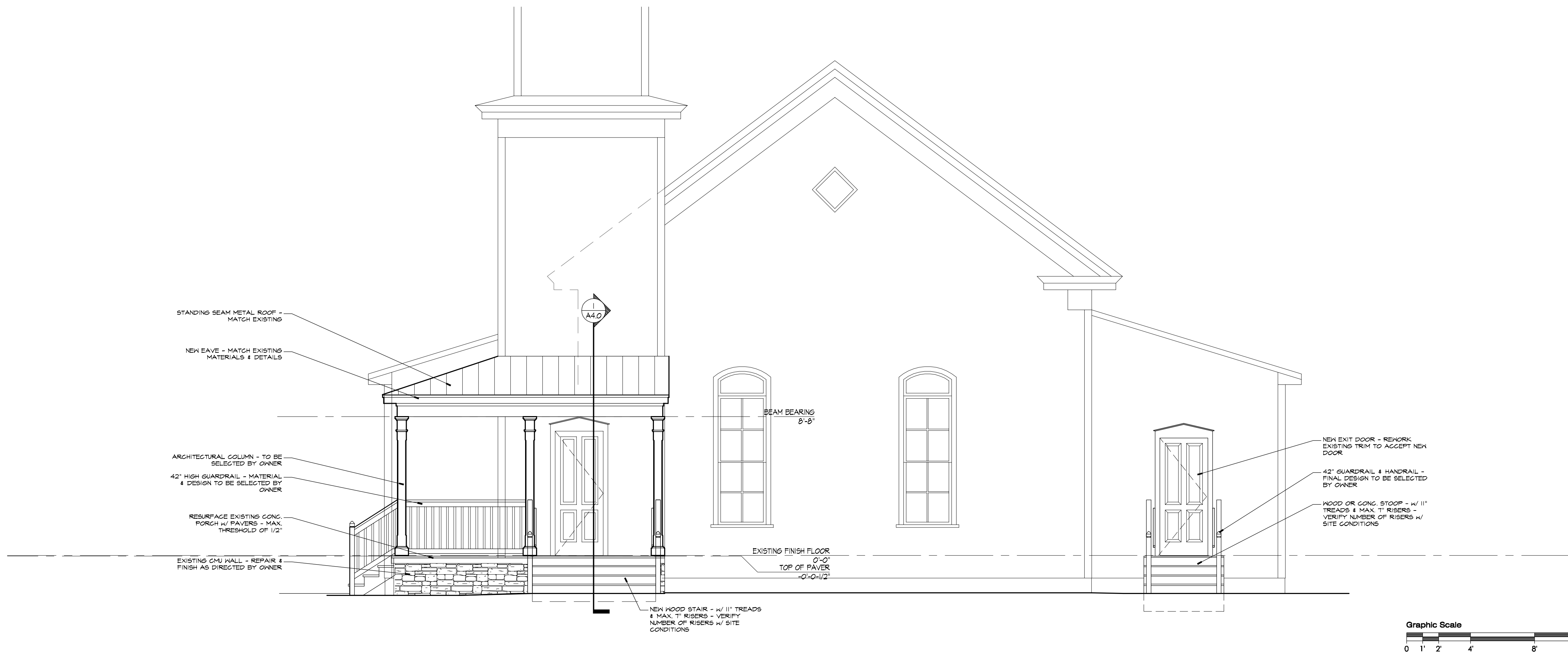
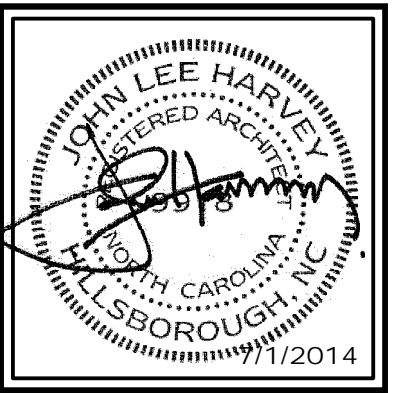
ELEVATION NOTES

1. ALL PROPOSED GRADE TO SLOPE AWAY FROM BUILDING SEE CIVIL DRAWINGS.
2. COORDINATE LOCATION OF DOWNSPOUTS WITH OWNER.
3. ALL EXTERIOR FINISH COLORS TO BE SELECTED BY THE OWNER.
4. ALL HANDRAILS TO BE 36" ABOVE NOSING OF STAIR OR TOP OF RAMP.
5. ALL STAIRS TO HAVE MIN. 11" TREAD DEPTH AND MAXIMUM 1" RISER HEIGHT - VERIFY NUMBER OF RISER WITH SPECIFIC SITE CONDITIONS.

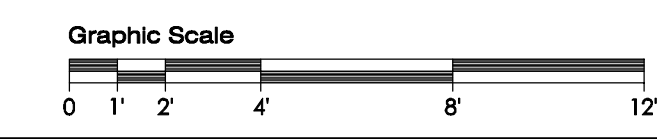


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EXTERIOR ELEVATION -- FRONT 2
SCALE: 1/4" = 1'-0"



EXTERIOR ELEVATION -- LEFT SIDE 1
SCALE: 1/4" = 1'-0"

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Sheet Title:
Exterior Elevations

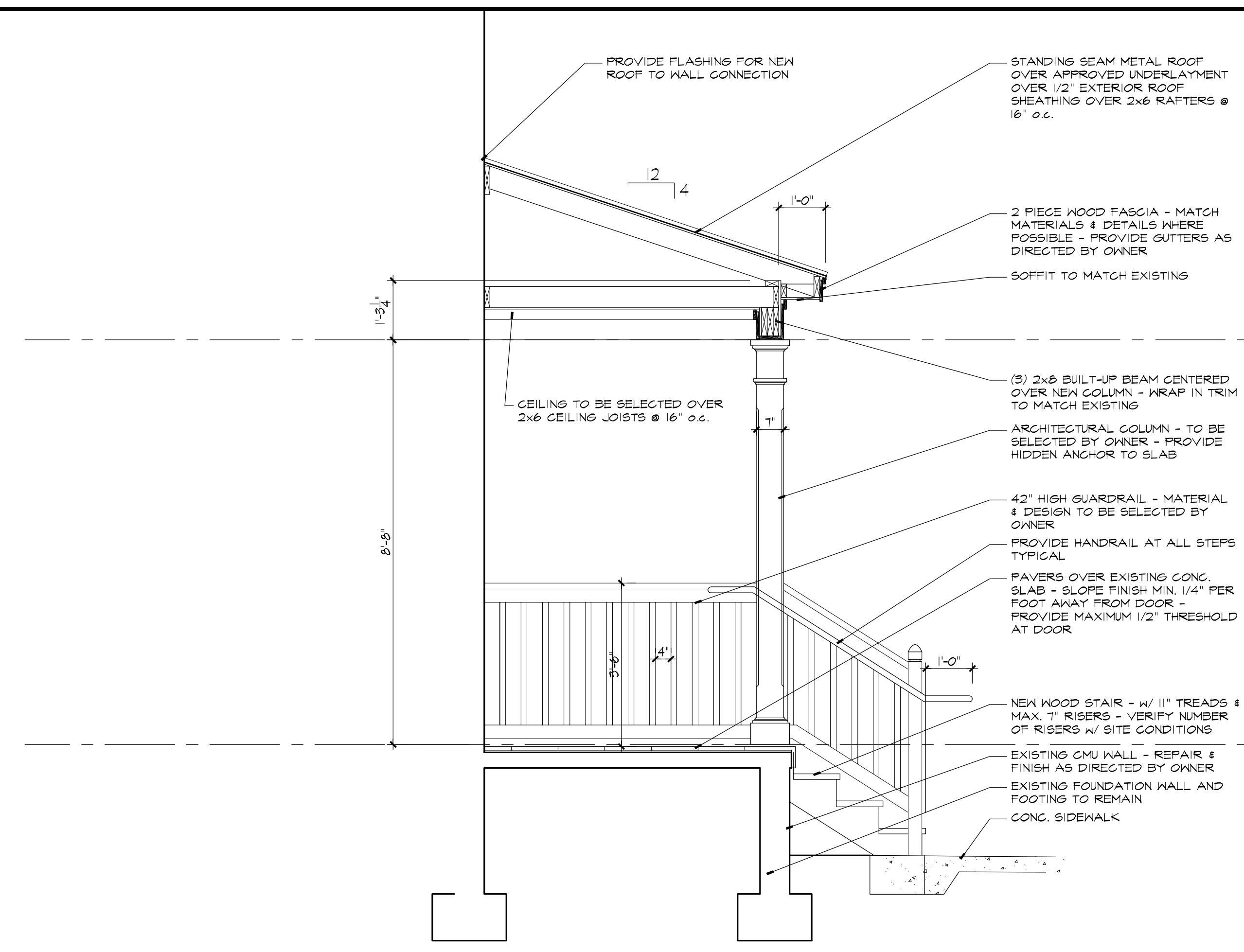
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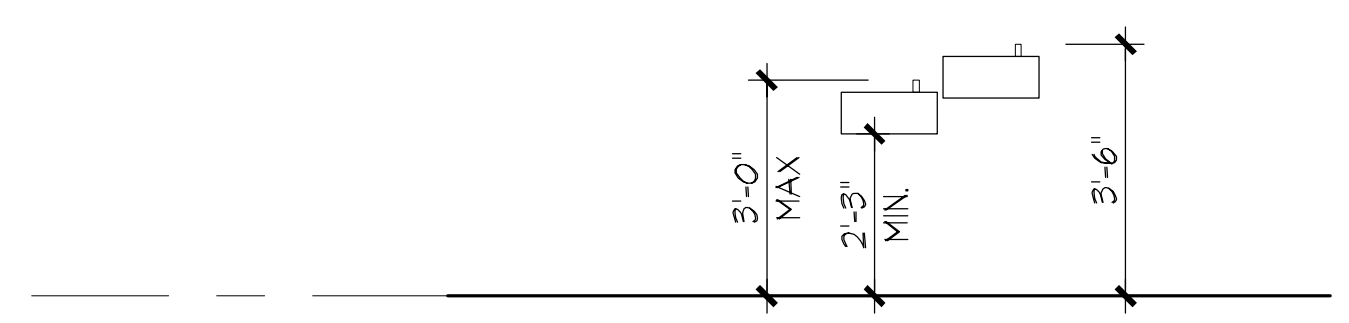


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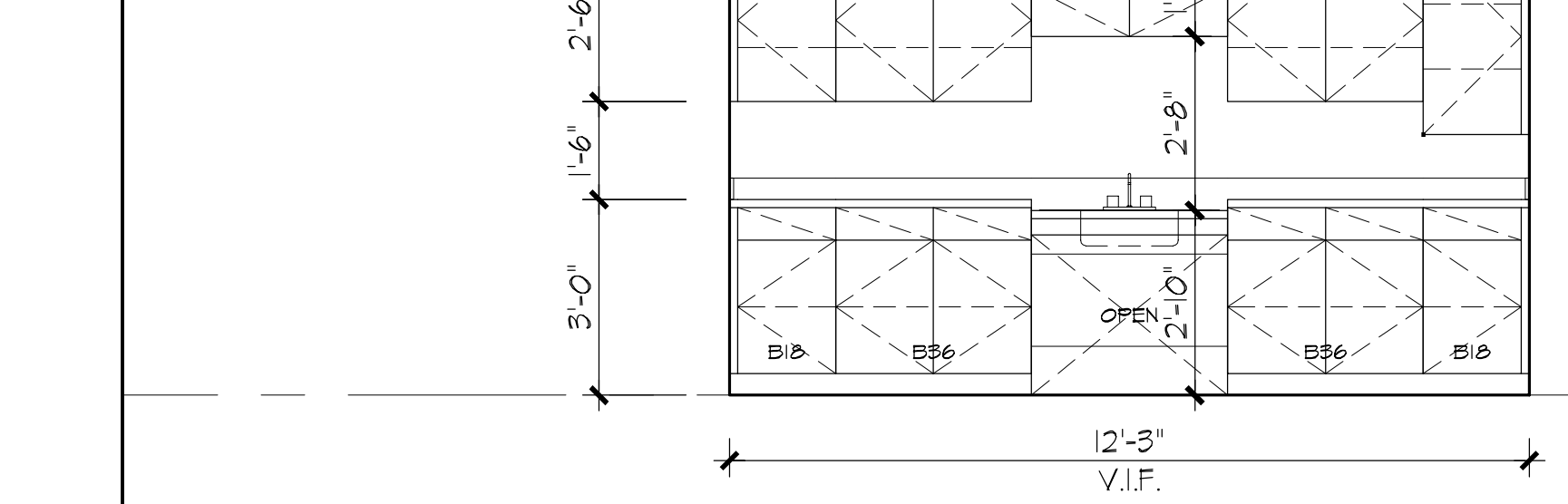


TYPICAL PORCH SECTION
 SCALE: 1/2" = 1'-0"

4

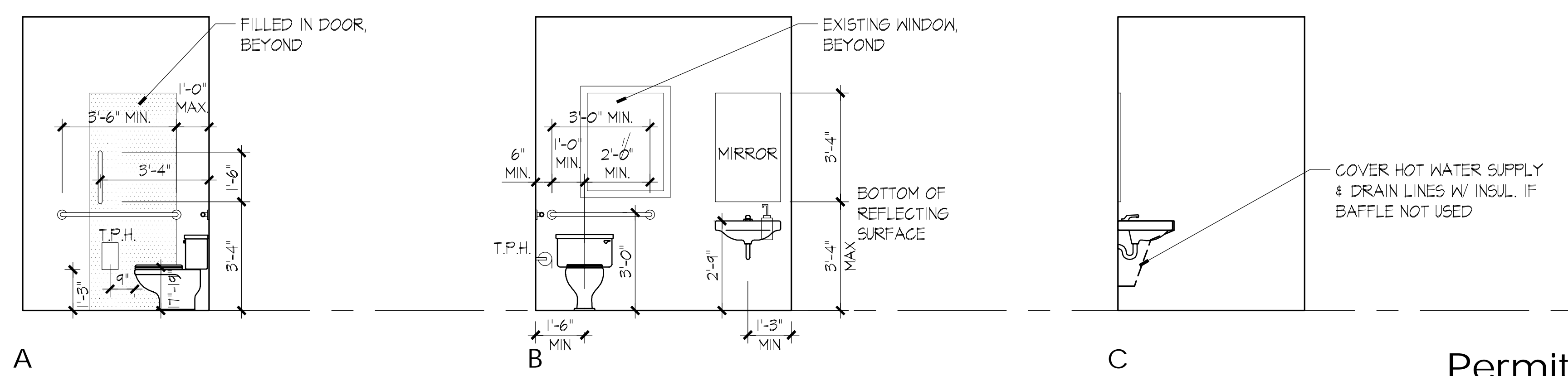


INTERIOR ELEVATION -- DRINKING FOUNTAINS
 SCALE: 3/8" = 1'-0"



CASE WORK ELEVATION
 SCALE: 3/8" = 1'-0"

2



INTERIOR ELEVATIONS -- TOILET
 SCALE: 1/4" = 1'-0"

1

Revisions		
No.	Description	Date

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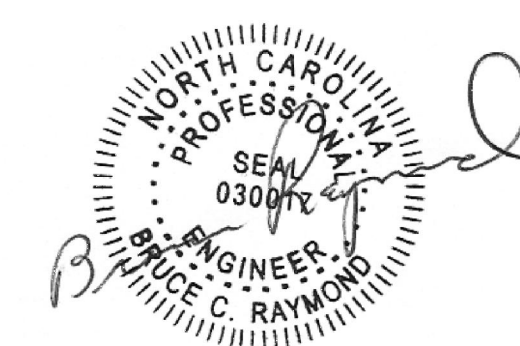
Sheet Title:
 Interior Elevations, Section

Date: July 1, 2014
 Project: 14010
 Sheet Number:

A4.0

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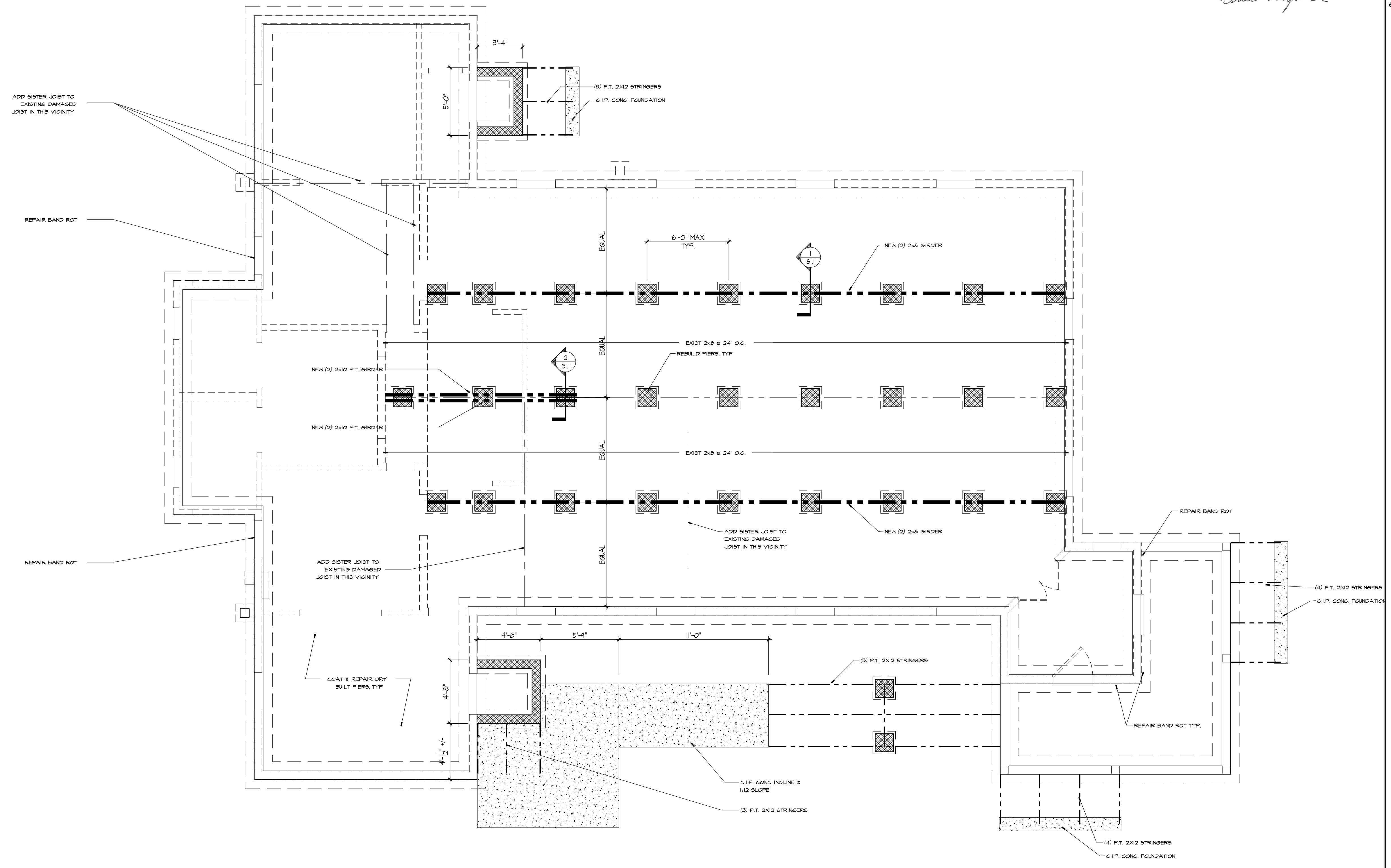


Bruce Raymond

FOUNDATION PLAN NOTES

- SEE CIVIL/SITE DRAWINGS FOR EXTERIOR CONCRETE SIDEWALKS OR PAVING.
- CONCRETE AT FOOTINGS TO BE 2500 PSI MIN. COMPRESSIVE STRENGTH OR BETTER. SOIL BEARING CAPACITY TO BE 2000 PSF, MINIMUM.
- EXISTING DRY BUILT PIER TO BE COVER COATED W/ 1/2" MIN SURFACE BONDING CEMENT IN ACCORDANCE WITH ASTM 887 -- PACKAGED DRY, COMBINED MATERIALS FOR SURFACE BONDING MORTAR. REFERENCE -- SURE-BOND SURFACE BONDING CEMENT MANUFACTURED BY BONSAL OR APPROVED EQUAL.)
- DIMENSIONAL LUMBER TO BE CONSTRUCTION GRADE 2 OR BETTER, CLASS II, PRESSURE TREATED LUMBER IS ACCEPTABLE.
- SHIM EACH PIER & JOIST AS NECESSARY AFTER MORTAR CURES.
- BAND ROT TO BE REPAIRED WITH PRESSURE TREATED, CLASS II LUMBER OF THE SAME SIZE AS EXISTING.

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Sheet Title:
Foundation Plan

Date: July 1, 2014
 Project: 14010
 Sheet Number:

FOUNDATION PLAN

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

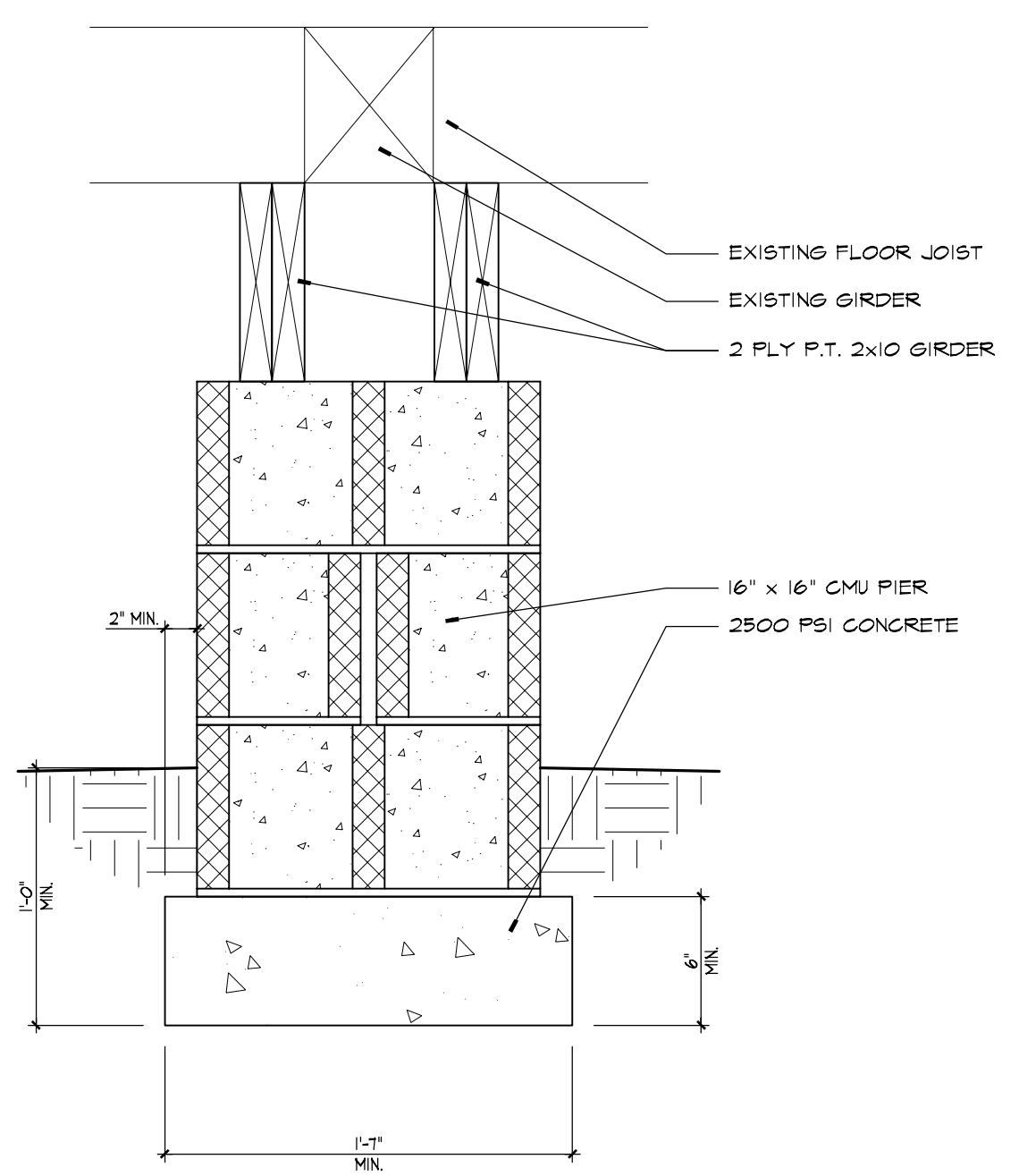
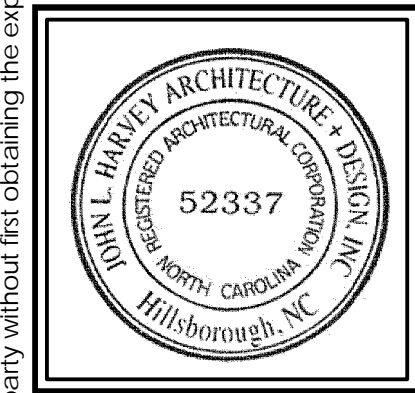
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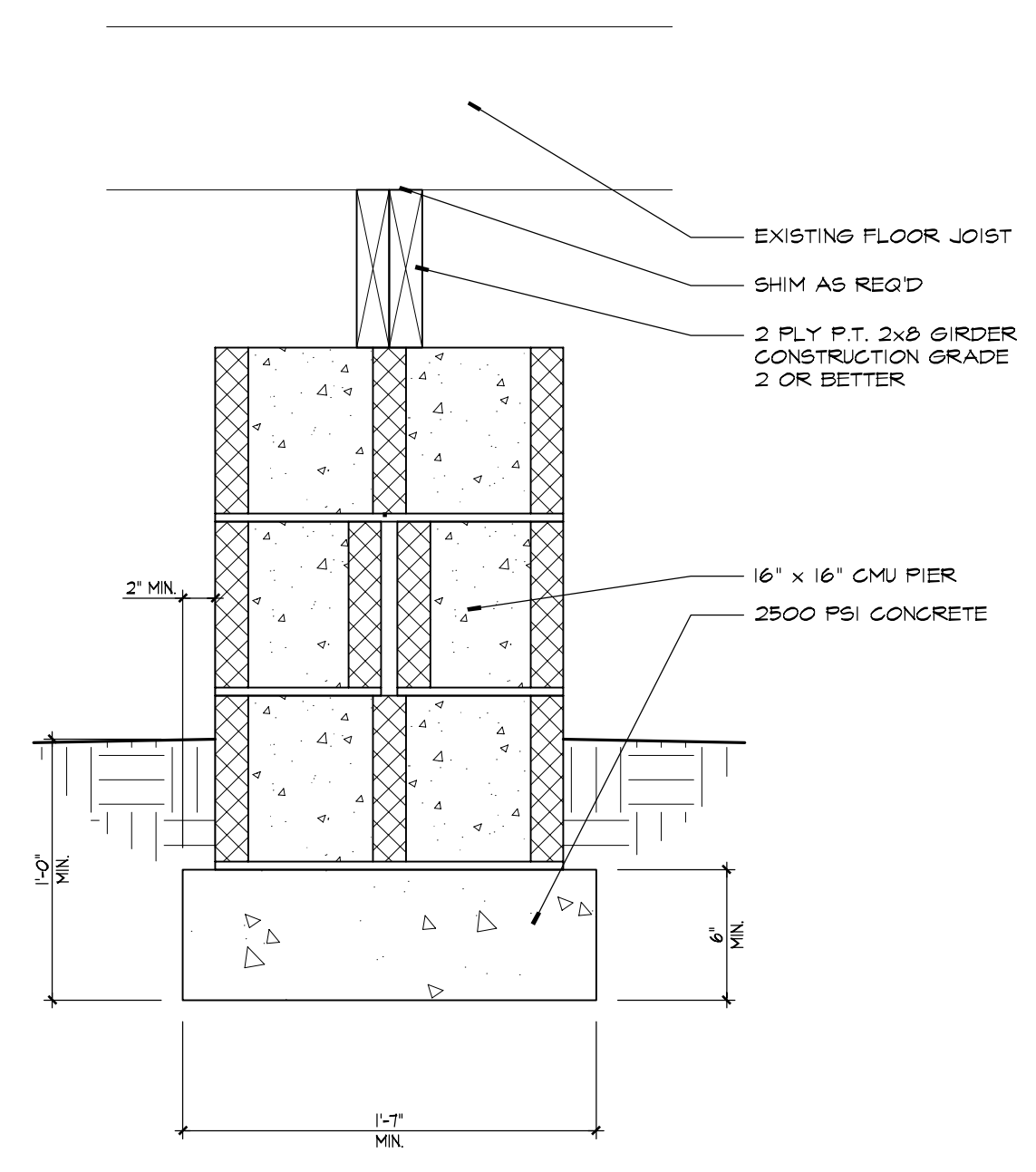
Bruce Raymond

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

2



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

1

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Sheet Title:
Structural Details

Date: July 1, 2014
Project: 14010

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