

IBL Roof - Insulated Concealed Fastener or RWP II Wall
Rake Zee Installation

Page: IBL03001
Date: Sep '12
Rev: 00

At the rake, remove the temporary fasteners used to hold first and last panels in place. Pop a chalk line from eave to ridge centered over holes left by temporary fasteners. Apply Tri-Bead Sealant centered on chalk line.

Install Rake Zee starting at the ridge panel, even with the end, and working toward the Eave. Rake Zee is attached with through-panel fasteners at 12" on center.

Lower Rake Zee is lapped on top of upper Rake Zee. Rake Zees are lapped 2" with Tri-Bead Tape Sealant HW504 continuous across Rake Zee. A 2" long piece of Tri-Bead Tape Sealant is to be placed on top leg of upper Rake Zee before installing lower Rake Zee.

IBL Roof - Insulated Concealed Fastener Wall
Rake Trim

Page: IBL03002
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Roof Panel Thickness	Through Panel Fastener
2"	Fastener #202
2 1/2"	Fastener #90
3"	Fastener #90
4"	Fastener #292
5"	Fastener #309
6"	Fastener #294

Wall Panel Thickness	Roof Panel Thickness	Rake Trim
2", 2 1/2", 3"	2", 2 1/2", 3"	F3430
2", 2 1/2", 3"	4", 5"	F3431
2", 2 1/2", 3"	6"	F3432
4", 5"	2", 2 1/2", 3"	F3433
4", 5"	4", 5"	F3434
4", 5"	6"	F3435
6"	2", 2 1/2", 3"	F3436
6"	4", 5"	F3437
6"	6"	F3438
Parametric		F3439

IBL Roof
Rake End Lap

Page: IBL03004
Date: Sep '12
Rev: 00

Panel Thickness	Through Panel Fastener
2"	Fastener #202
2 1/2"	Fastener #90
3"	Fastener #90
4"	Fastener #292
5"	Fastener #309
6"	Fastener #294

Wall Panel Thickness	Roof Panel Thickness	Rake Trim
2", 2 1/2", 3"	2", 2 1/2", 3"	F3430
2", 2 1/2", 3"	4", 5"	F3431
2", 2 1/2", 3"	6"	F3432
4", 5"	2", 2 1/2", 3"	F3433
4", 5"	4", 5"	F3434
4", 5"	6"	F3435
6"	2", 2 1/2", 3"	F3436
6"	4", 5"	F3437
6"	6"	F3438
Parametric		F3439

Insulated Concealed Fastener Wall Panel
Base Without Recess

Page: ICW01002
Date: Sep '12
Rev: 00

Panel Thickness	Piece Mark
2"	F3260-__
2 1/2"	F3261-__
3"	F3262-__
4"	F3263-__
5"	F3265-__
6"	F3266-__
Parametric	F3268-__

Insulated Concealed Fastener Wall Panel - Three Side F.O. - Jamb Trim
Preparation and Installation

Page: ICW05004
Date: Sep '12
Rev: 00

Panel Thickness	Piece Mark
2"	F3256-__
2 1/2"	F3257-__
3"	F3258-__
4"	F3259-__
5"	F3253-__
6"	F3254-__
Parametric	F3237-__

Insulated Concealed Fastener Wall - Per-Assembled Walk Door
Jamb Trim Preparation and Installation

Page: ICW06004
Date: Sep '12
Rev: 00

Panel Thickness	Piece Mark
2"	F3256-__
2 1/2"	F3257-__
3"	F3258-__
4"	F3259-__
5"	F3253-__
6"	F3254-__
Parametric	F3237-__

Scale: NOT TO SCALE

Drawn by:

Checked by:

Project Engineer:

Job Number: 22-B-61638-1

Sheet Number: R11 of 11

The engineer whose seal appears hereon is an employee for the manufacturer for the materials described herein. Said seal or certification is limited to the products designed and manufactured by manufacturer only. The undersigned engineer is not the overall engineer of record for this project.

Customer: SIMQUE CONSTRUCTION 518 SW LITTLE ROAD LAKE CITY, FL 32024

Project Name & Location: FABRIC SHOP BARBIE & ROB SWANSON HWY 90-W. OF INTERSTATE LAKE CITY FL 32055

Drawing Status: Preliminary (Not for Construction) [] Approved (Not for Construction) [] For Erector Installation [X]

Mesco Building Solutions 5244 Bear Creek Court, Irving, Texas 75061 Voice 214-687-9999 Fax 214-687-9737

ORME3A ENME3A



New Retail Building for:

Fabric Art Shop / B. Swanson

Lake City, Florida

Drawing Index

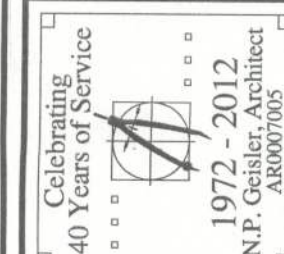
CS.1	COVER SHEET, DRAWING INDEX	S.1	STRUCTURAL NOTES
G.1	GENERAL INFORMATION, CONSTRUCTION SIGNAGE	S.2	FOUNDATION PLAN, RETROPLATE POLISHED CONCRETE FLOOR
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REVISION:
12 DEC 2012

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DRAWN:
178

NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
COVER SHEET



NICHOLAS GIESLER ARCHITECT
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Lake City, FL 33603
352-505-4305
N.C.A.R.C. CERTIFIED

DATE:

07 DEC 2012

COMB:

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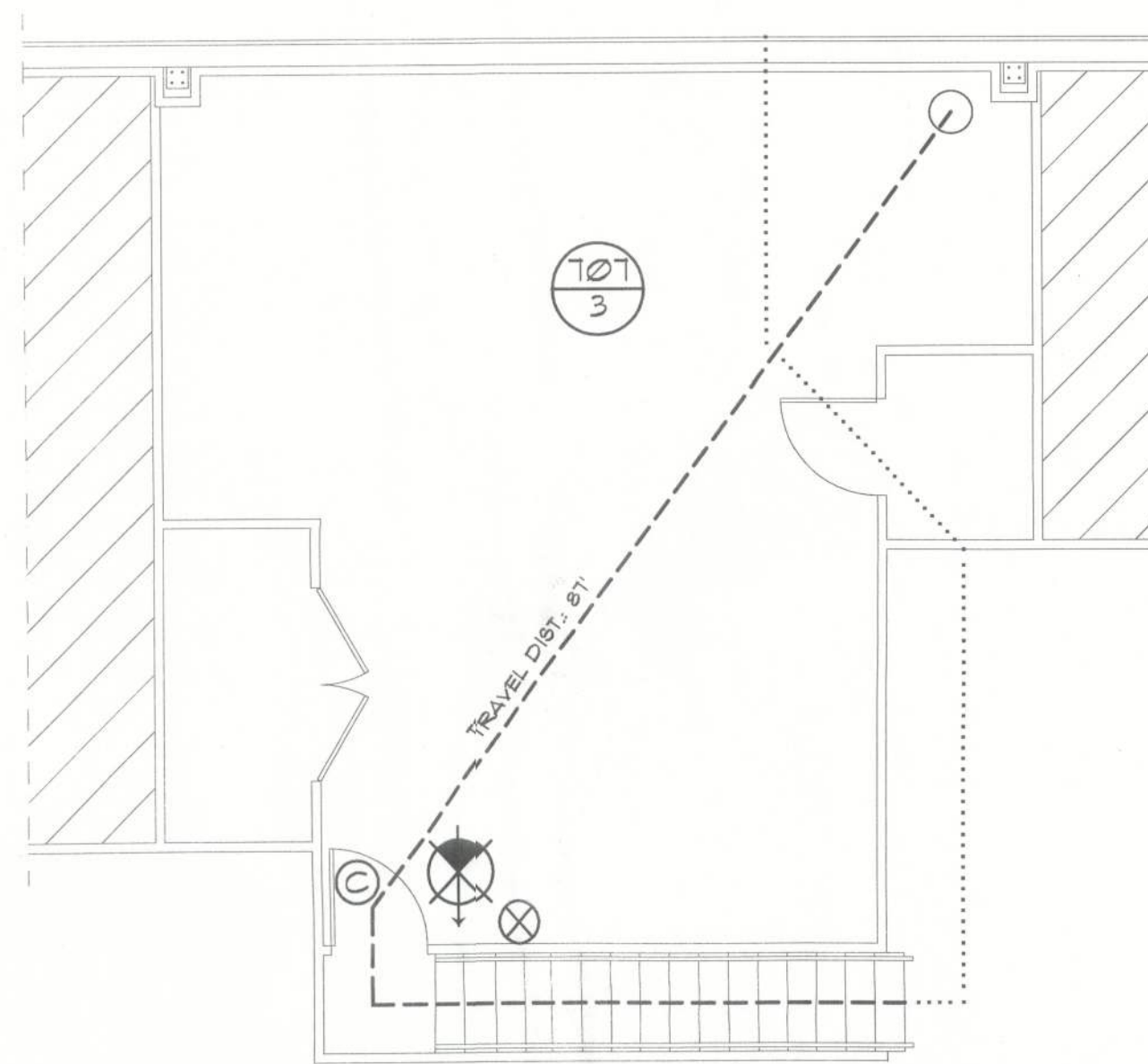
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APPROVED
(Subject to Revisions)
Inspector
State License # 12837
Date 12/14/12

Mr. B. Swanson
13 Dec 2012
AR0007005



Attic Loft LSP

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

LEGEND

- EXIT LIGHT - ARROW REPRESENTS DIRECTION OF EXIT
- WALL HUNG "ABC" FIRE EXTINGUISHER
- DOOR /CLOSER FOR EXITING OR RATING REASONS
- PANIC DEVICE
- ROOM SQUARE FOOTAGE
- ROOM OCCUPANCY LOAD
- PRIMARY EGRESS W/EXIT CAPACITY
- SECONDARY EGRESS

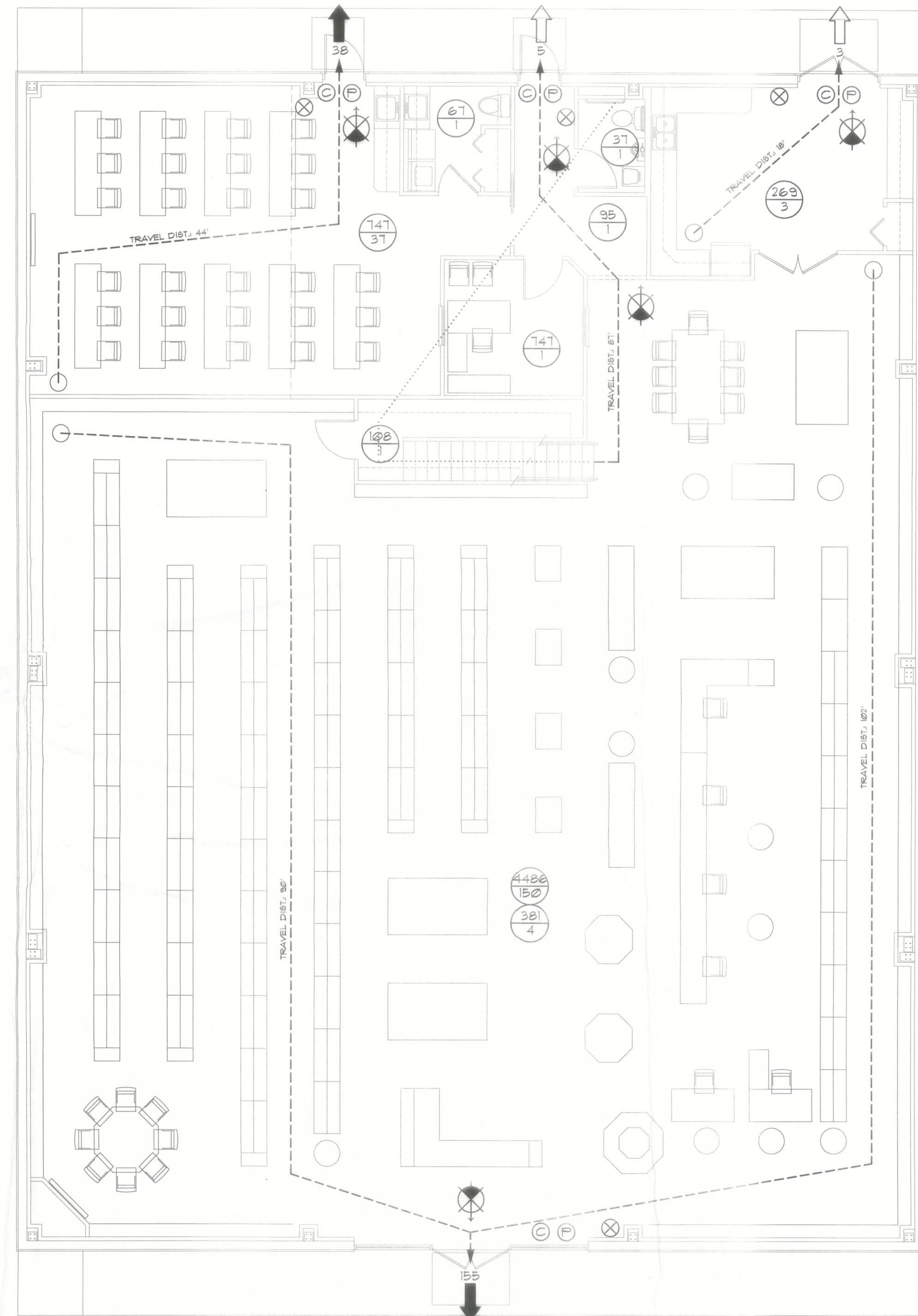
NOTE!
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WURED PER NEC 100-12F.

NOTE!
SMOKE DETECTORS SHALL BE MOUNTED NOT LESS THAN 30" ABOVE FINISHED FLOOR AND SHALL BE THE IONIZATION TYPE, INTERLOCKED TOGETHER, POWERED FROM EACH STORE PANEL W/BATTERY BACKUP

OCCUPANCY LOAD - MERCHANTILE

AREA	TOTAL SF.	ALLOWABLE	TOTAL OCCUP.
SHOWROOM:	4486.2	1/30	150
OFFICE:	110.1	1/100	1
SEWING CENTER:	141.0	1/20	31
BREAK/RECEIVING:	269.1	1/100	3
REST ROOMS:	104.0	1/50	2
PASSAGEWAY:	94.6	1/100	1
STOCK:	101.6	1/300	1
ATTIC MEZZANINE:	101.3	1/300	3
BUILDING:	380.3	1/100	4
BLDG. TOTAL	10013		202

EXIT ACCESS TRAVEL DISTANCE PER FBC 105, TABLE 105.1
OCCUPANCY - MERCHANTILE:
150 FT. (W/O SPRINKLER SYSTEM)
250 FT. (W/SPRINKLER SYSTEM)



LIFT SAFETY PLAN

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

NOTE!
PLACE FIRE DEPARTMENT APPROVED SIGNAGE NEAR ENTRY INDICATING "LIGHT WEIGHT TRUSS ATTIC FRAMING" REFER TO FIRE MARSHAL FOR APPROVAL

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24 DEC 2012

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NEW RETAIL BUILDING FOR:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
LIFE SAFETY PLAN

Celebrating
40 Years of Service
1972-2012
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
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01 DEC 2012

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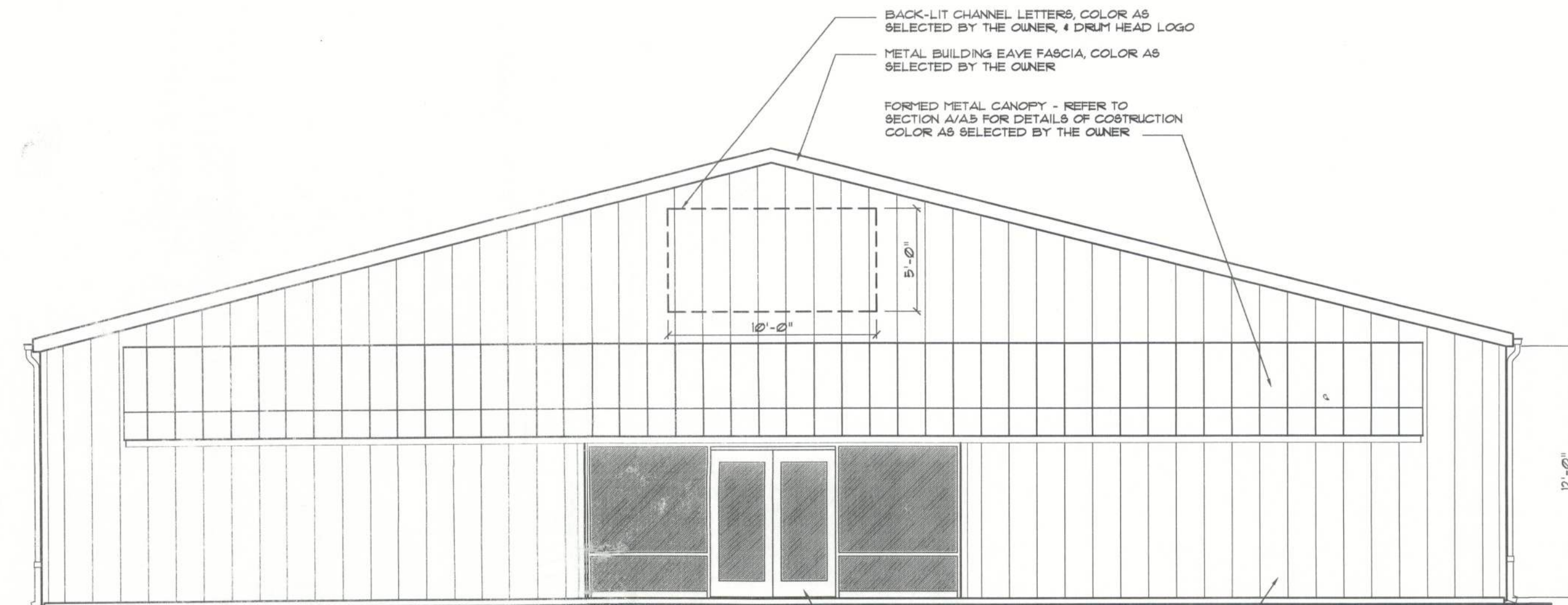
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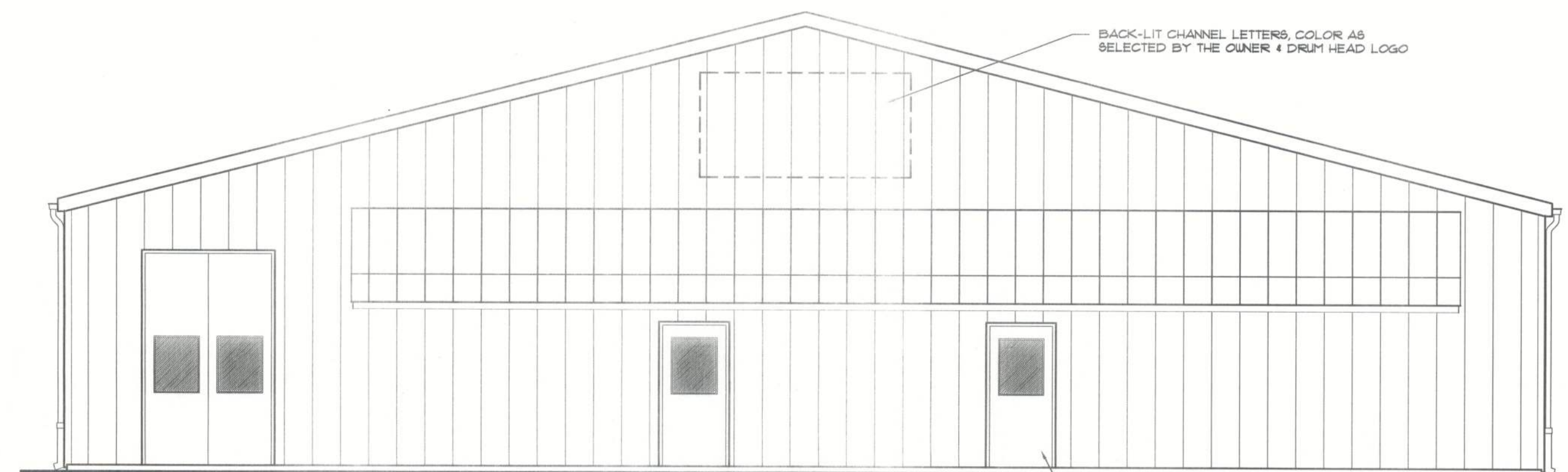
North ELEVATION

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



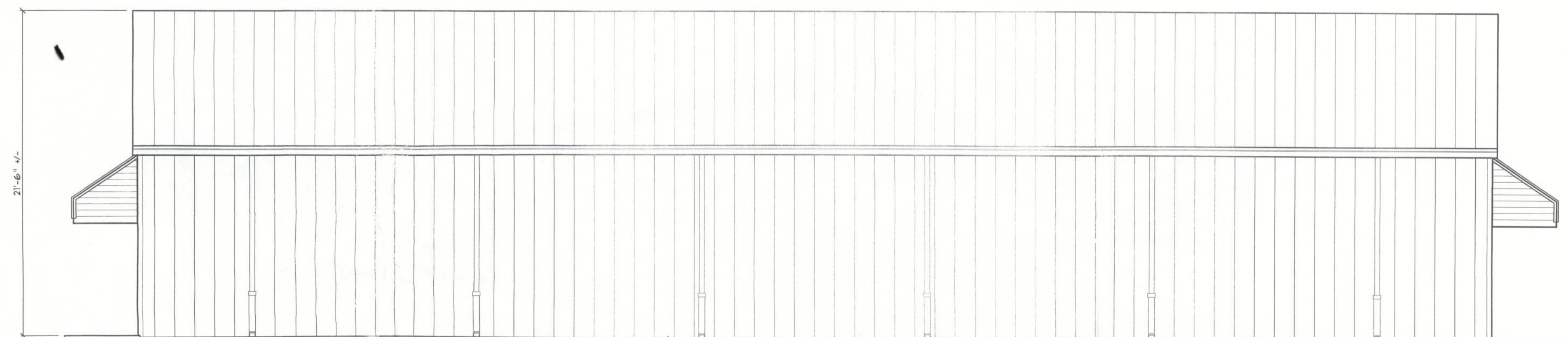
Logo Signage DETAIL

SCALE: NONE



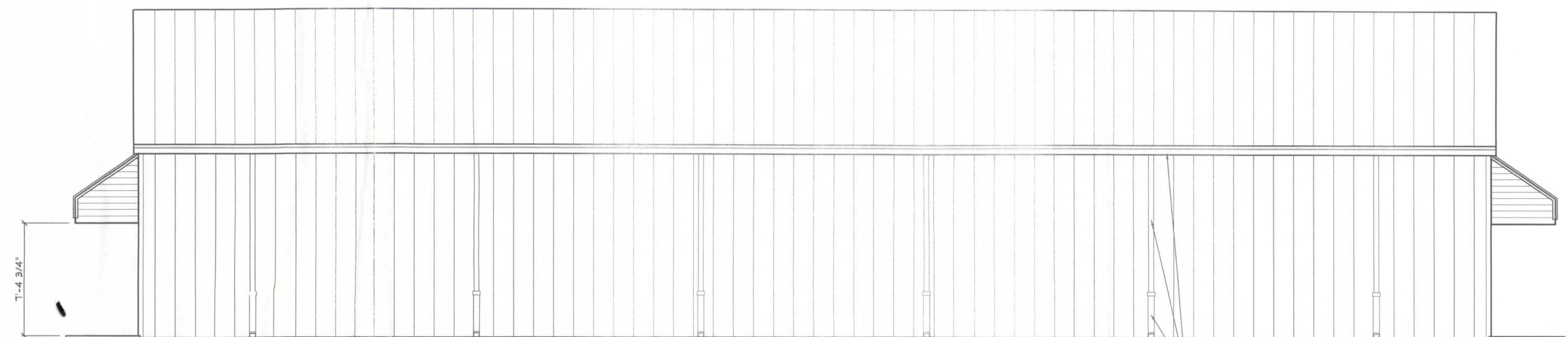
South ELEVATION

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



East ELEVATION

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



West ELEVATION

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

CONT. 5" X 6" GUTTER W/ 3" X 4" DOWNSPOUTS @ MAX.
15' O.C. W/ CAST IRON TRAFFIC BOOT TERMINAL
PAINTED TO MATCH BUILDING COLOR

REVISION:

12 DEC 2012

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NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
ELEVATIONS

Celebrating
40 Years of Service
1972 - 2012
N.P. Geisler, Architect
AR0007005

**NICHOLAS
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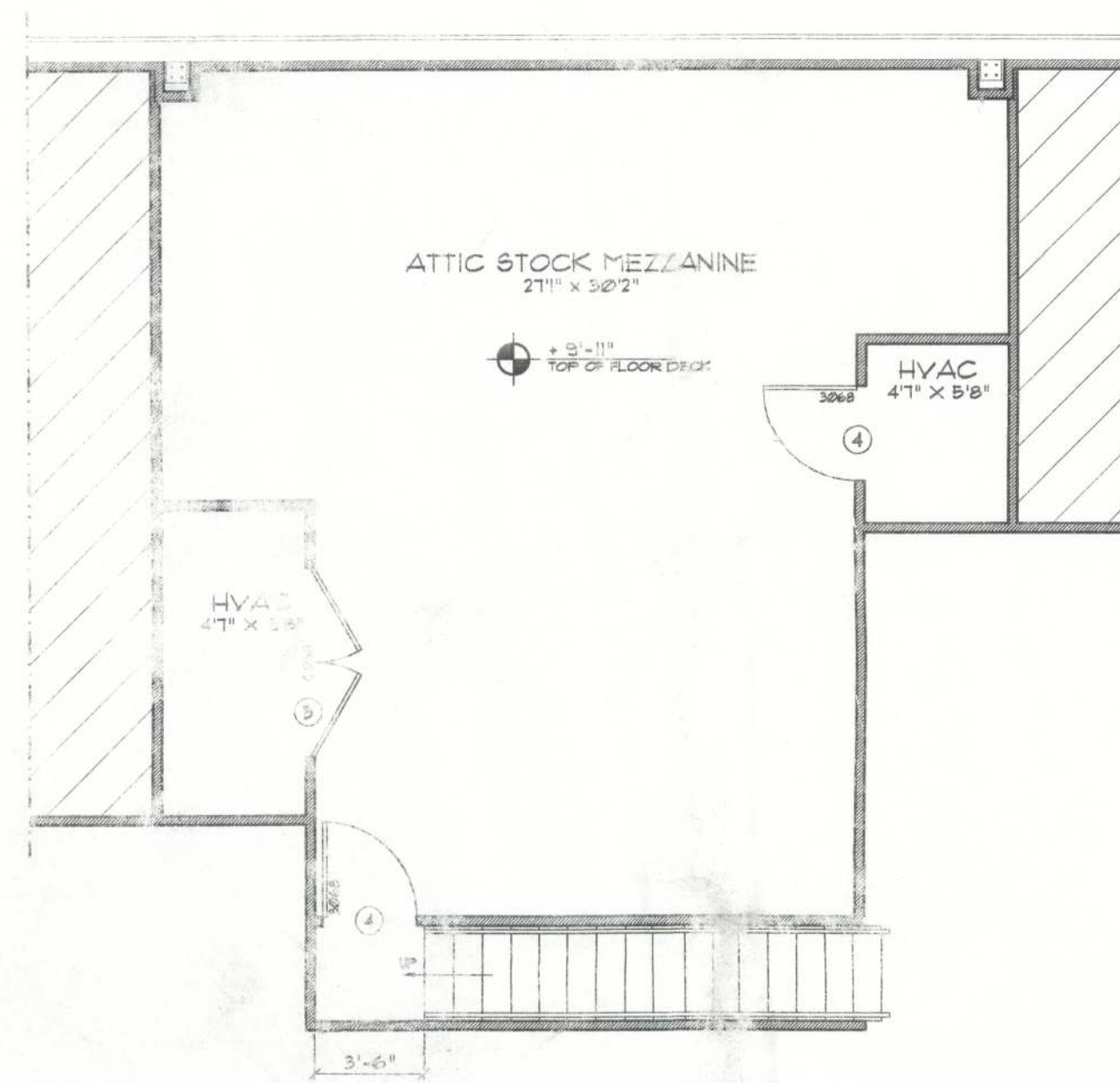
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Attic Loft Floor PLAN

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

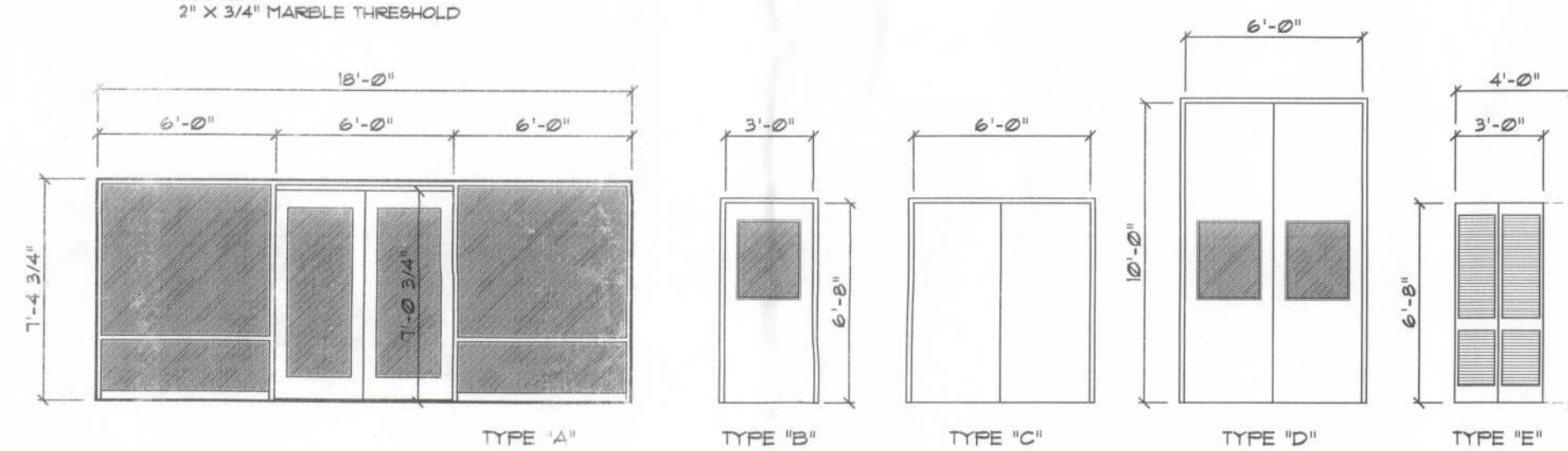
DOOR HARDWARE SCHEDULE

GROUP	COMPONENTS
GROUP 1	RIM LOCKSET OFF-SET PIVOTS CLOSER SLIDE BOLTS HOLDER FLOOR BUMPER STOP ALUMINUM THRESHOLD
GROUP 2	ENTRY LOCKSET 1/4 PAIR 4" SQ. BUTT HINGES CLOSER SLIDE BOLTS HOLDER WALL BUMPER STOP ALUMINUM THRESHOLD
GROUP 3	ENTRY LOCKSET 1/4 PAIR 4" SQ. BUTT HINGES CLOSER HOLDER WALL BUMPER STOP ALUMINUM THRESHOLD
GROUP 4	OFFICE LOCKSET 1/4 PAIR 4" SQ. BUTT HINGES CLOSER HOLDER WALL BUMPER STOP
GROUP 5	STOREROOM LOCKSET 1/4 PAIR 4" SQ. BUTT HINGES CLOSER SLIDE BOLTS HOLDER WALL BUMPER STOP ALUMINUM THRESHOLD
GROUP 6	STOREROOM LOCKSET 1/4 PAIR 4" SQ. BUTT HINGES CLOSER HOLDER WALL BUMPER STOP ALUMINUM THRESHOLD
GROUP 7	KEY OPERATED DEADBOLT 1/4 PAIR 4" SQ. BUTT HINGES HOLDER WALL BUMPER STOP FISHBULL PLATES KICK PLATES CLOSER 2" X 3/4" MARBLE THRESHOLD

MARK	SIZE	DESCRIPTION	TYPE	GROUP	QUAN.
1	2'-0" X 3'-0" X 1/4"	ALUM. BASH STONEFRONT, BRONZE ANOD.	A	1	1
2	36" X 80" X 1/4"	FLUSH PAINT GRADE HT. DOOR & FRAME	B	3	2
3	2'-0" X 80" X 1/4"	FLUSH PAINT GRADE HT. DOOR & FRAME	C	2	1
4	36" X 80" X 1/4"	FLUSH FT. GD. LD. DOOR & HT. FRAME, "C" LABEL	B	6	3
5	2'-0" X 80" X 1/4"	FLUSH FT. GD. LD. DOOR & HT. FRAME, "C" LABEL	B	5	1
6	2'-0" X 80" X 1/4"	FLUSH FT. GD. LD. DOOR & HT. FRAME, "C" LABEL	D	5	1
7	48" X 80" X 1"	LOWEDED BIFOLD	E	-	1
8	36" X 80" X 1"	LOWEDED BIFOLD	E	-	1
9	36" X 80" X 1/4"	FLUSH PAINT GRADE LD. DOOR & HT. FRAME	B	1	2
10	36" X 80" X 1/4"	FLUSH STAIN GRADE LD. DOOR & HT. FRAME	B	4	1
11	36" X 80" X 1/4"	PNT. FLUSH STAIN GRADE LD. DOOR & FRAME	B	-	1

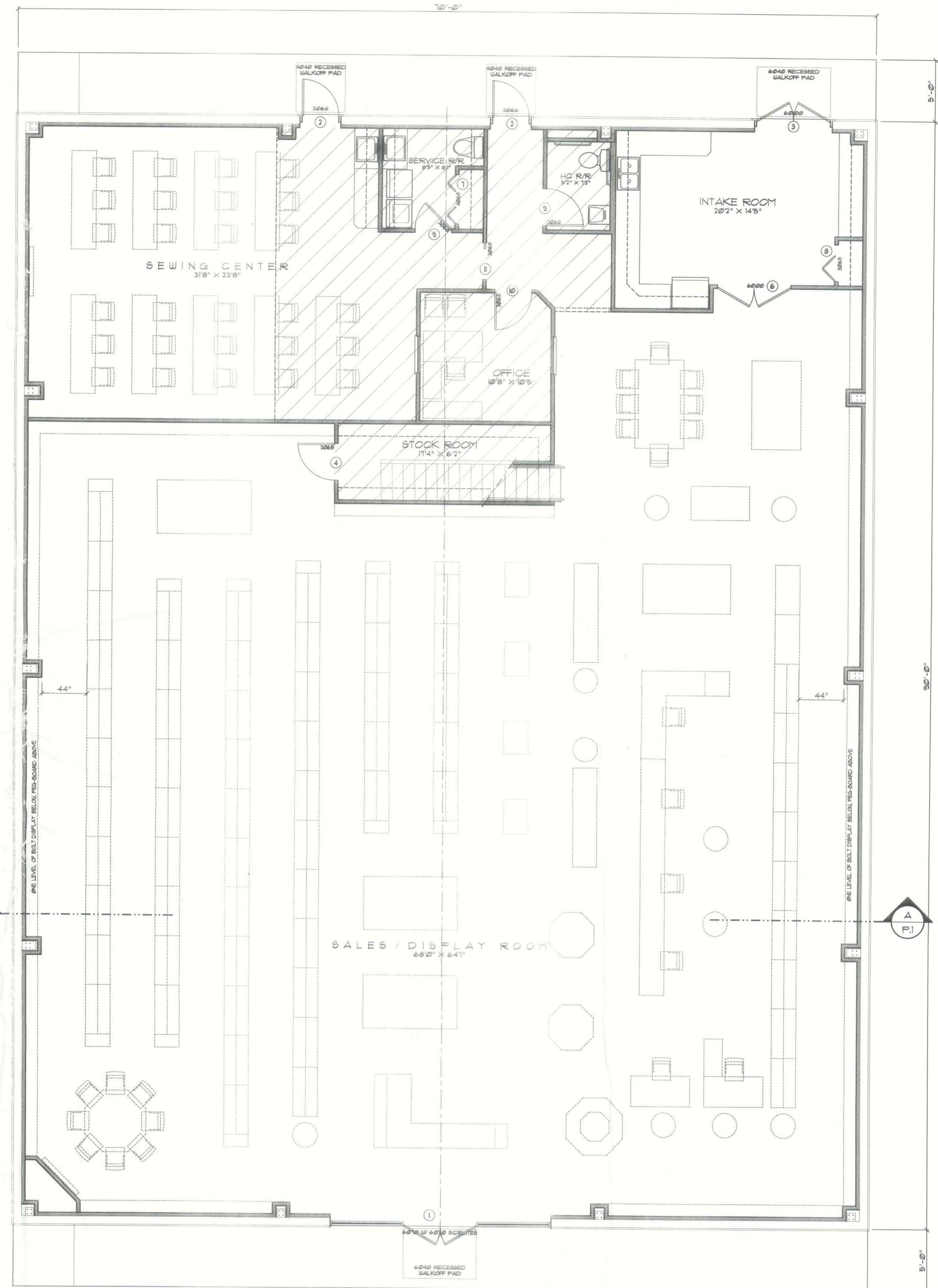
NOTE: PROVIDE A 1000000 ALLOWANCE FOR DOOR HARDWARE

NOTE: ALL INTERIOR DOORS TO BE 60 BIRCH PAINT GRADE W/ HT. FRAMES, PRIMED & PAINTED 2 COATS - COLOR AS SELECTED BY THE OWNER, UNLESS NOTED OTHERWISE



NOTE: CABINETS, COUNTERS, SHELVES AND THE LIKE, SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF QUALITY AS OUTLINED IN THE NOTES TITLED "GENERAL MILLWORK NOTES", AND SHALL INCLUDE SUCH FEATURES, HARDWARE AND FINISHES AS DIRECTED BY THE OWNER. THE PLAN VIEWS INDICATED ARE FOR GENERAL LOCATION AND EXTENT OF THE WORK - UNLESS DETAILED CABINET PLANS ARE INCLUDED WITH THIS PLANS PACKAGE ALL OTHER PHYSICAL CHARACTERISTICS SHALL BE AS DIRECTED BY THE OWNER.

NOTE: PROVIDE 2X6 BACKING AT ALL OVERHEAD CABINET LOCATIONS, FLUSH WITH FACE OF FRAMING - TOP OF BACKING TO BE 1'-0" AFF.



Floor PLAN

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

REVISION:
12 DEC 2012

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DRAWN:
mg

NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
FURNISHINGS FLOOR PLAN

Celebrating
40 Years of Service
1972 - 2012
N.P. Geisler, Architect
AR000005

NICHOLAS PAUL GEISLER ARCHITECT
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1758 NW Brown Rd.
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DATE:
07 DEC 2012

COMM:
2K1283

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A.2
2 OF 6

mg
3 Dec 2012
AR0007005

Design No. LB26
Unrestrained Assembly Rating-1 Hr.
Finish Rating-22 Min.

1. Floor System - Finish Floor - 1 ft by 8 ft by 22/32 in. thick interior placed with exterior glue and T & G edge detail along 8 ft side. Plywood installed perpendicular to trusses with end joints staggered 4 ft. Plywood secured to trusses with construction adhesive and No. 6d ringed shank nails. Adhesive applied as 3/8 in. bead to top chord of trusses and groove edges of plywood. Nails spaced 12 in. O.C. along each truss. As an option, lightweight insulating concrete with Perlite or Vermiculite Aggregate or gypsum concrete may be placed on the topping. The min thickness of insulating concrete shall be 3/4 in. The max thickness shall be determined by job site conditions. A thin plastic or paper vapor retarder may be placed on plywood prior to pouring the concrete. See Perlite Aggregate (IPX) and Vermiculite Aggregate (GZZ).

2. Trusses - Parallel chord trusses spaced a max 24 in. O.C. fabricated from non 2 by 4 in. lumber with further oriented either vertically or horizontally. Truss members secured together with No. 26 MSG galv steel truss plates. Plates include 5/8 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other inside from the same punch creating a split tooth type plate. Each tooth has a chisel point on its outside edge, with these points being diagonally opposite from each other for each pair. The top half of each tooth has a lock for stiffness. The pairs are repeated on approx 1/8 in. centers with four rows of teeth per in. of plate width.

3. Furring Channels - Formed of No. 26 MSG galv steel spaced 24 in. O.C. perpendicular to trusses. Channels secured to trusses with double strand of No. 16 MSG galv steel wire spaced 48 in. O.C. Channels spliced with adjacent pieces overlapped 6 in. and used with double strand of No. 16 MSG galv steel wire at each end of overlap.

3A. Rastelli Channel - (Not shown) - As an alternative to item 3 - Formed from No. 26 MSG galv steel, spaced 16 in. O.C. perpendicular to trusses. Channels secured to trusses with Type 8, 1/4 in. long steel screws spaced 24 in. O.C. Channels overlapped at splice 4 in.

4. Wallboard, Gypsum - 5/8 in. thick, 4 ft wide, sheets of wallboard installed with long dimension perpendicular to furring or meeting channels with 1 1/2 in. long wallboard screws spaced 12 in. O.C. and located a min 1/2 in. from side and end joints. As an alternative, non 5/8 in. thick, vermiculite or perlite filled wallboard may be used which extends a min of 6 in. beyond end of joint.

Canadian Gypsum Co., Ltd.-Type C
Gypsum Corp.-Type FFF
Dorner Gypsum-Type 5
Georgia-Pacific Corp., Gypsum Div.-Type GFFB-C
Gond Bond Building Products-Type FBW-A
United States Gypsum Co.-Types C, FCC, or IF-XG.

5. Screws, Wallboard - 1 in. long, Type 8, 3/16 in. diam. self-drilling and self-tapping. Bugle head.

6. Finishing System - (Not shown) - Paper tape embedded in cementitious compound over joints with edges of compound feathered out and exposed areas needs covered with compound. As an alternative, non 5/32 in. thick, vermiculite or perlite filled wallboard may be used which extends a min of 6 in. beyond end of joint.

*Bearing the UL Classification Marking

Design No. U333
Bearing Wall Rating-1 Hr.
Finish Rating-23 Min.

1. Wood Studs-Non 2 by 4 in., spaced 16 in. O.C. effectively cross-braced.

2. Gypsum Wallboard-5/8 in. thick, 4 ft wide, applied either vertically or horizontally, screws attached to studs and plates with 1 1/4 in. long Type 8 steel screws, spaced 12 in. O.C.

Canadian Gypsum Co., Ltd.-Type C
Georgia-Pacific Corp., Gypsum Div.-Type GFFB-C
United States Gypsum Co.-Types C or IF-XG.

3. Batts and Blankets-Optional-Mineral wool insulation, partially or completely filling stud cavity.

USG Interiors Inc.
United States Gypsum Co.

4. Joints and Nailheads-Wallboard joints covered with paper tape and joint compound. Screwheads covered with joint compound.

*Bearing the UL Classification Marking

Attic Loft Floor PLAN
SCALE: 3/16" = 1'-0"

UL SYSTEM NO. UL-1071
1-HOUR WALL PENETRATION

3M FIRE PROTECTION PRODUCTS THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 1971 EDITION OF THE UL FIRE RESISTANCE DIRECTORY.
346 METALLIC PIPE 1000 SERIES

UL SYSTEM NO. UL-1071 (FORMERLY SYSTEM NO. 328) F RATINGS-1 AND 2 HR. (SEE ITEM 3) T RATINGS-0 HR. L RATING AT AMBIENT-LESS THAN 1 CRY50 FT L RATING AT 400 F-LESS THAN 1 CRY50 FT L

1. WALL ASSEMBLY - THE 1 HR FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL UL800 OR UL400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING - STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. O.C.

B. WALLBOARD, GYPSUM - NOT 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN DIAM OF CIRCULAR THROUGH OPENING CUT THROUGH GYPSUM WALLBOARD ON EACH SIDE OF WALL ASSEMBLY TO BE MIN 6 IN. (FRONT CONTACT) TO MAX 1 IN. LARGER THAN OUTSIDE DIAM OF FLEXIBLE METAL CONDUIT (ITEM 2) INSTALLED IN THROUGH OPENING, SIDE EDGE OF CIRCULAR OPENING TO BE MIN 3 IN. FROM NEAREST STUD IN WALL CAVITY.

C. FASTENERS - WHEN STEEL CHANNEL STUD FRAMING IS EMPLOYED, GYPSUM WALLBOARD ATTACHED TO STUDS WITH TYPE 8 SELF-DRILLING, SELF-TAPPING BUGLE-HEAD STEEL SCREWS AS SPECIFIED IN THE INDIVIDUAL WALL OR PARTITION DESIGN.

2. THROUGH PENETRATING PRODUCT - FLEXIBLE METAL CONDUIT-NOT 4 IN. DIAM (OR SMALLER) ALUMINUM OR STEEL FLEXIBLE METAL CONDUIT, MAX ONE FLEXIBLE METAL CONDUIT TO BE INSTALLED NEAR CENTER OF CIRCULAR OPENING. IN GYPSUM WALLBOARD, FLEXIBLE METAL CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY, APC CABLE SYSTEMS, INC.

3. FILL, VOID OR CAVITY MATERIAL - CALK-CALK FILL MATERIAL FORCED INTO ANNULAR SPACE AROUND ENTIRE CIRCUMFERENCE OF THROUGH PENETRATING PRODUCT TO COMPLETELY FILL OPENING IN GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL ASSEMBLY. A MIN 5/8 IN. THICKNESS OF CALK IS REQUIRED FOR THE 1 HR FIRE RATING. A MIN 1/4 IN.

MINNESOTA MINING & MFG. CO. - CP 288B
*BEARING THE UL CLASSIFICATION MARKING

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

1 HOUR FIRE RATED WALL

REVISIONS

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N.P. Geisler, Architect

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**NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON**
LAKE CITY, FLORIDA
DIMENSIONAL FLOOR PLAN

Celebrating
40 Years of Service
1972-2012
N.P. Geisler, Architect
AR0007005

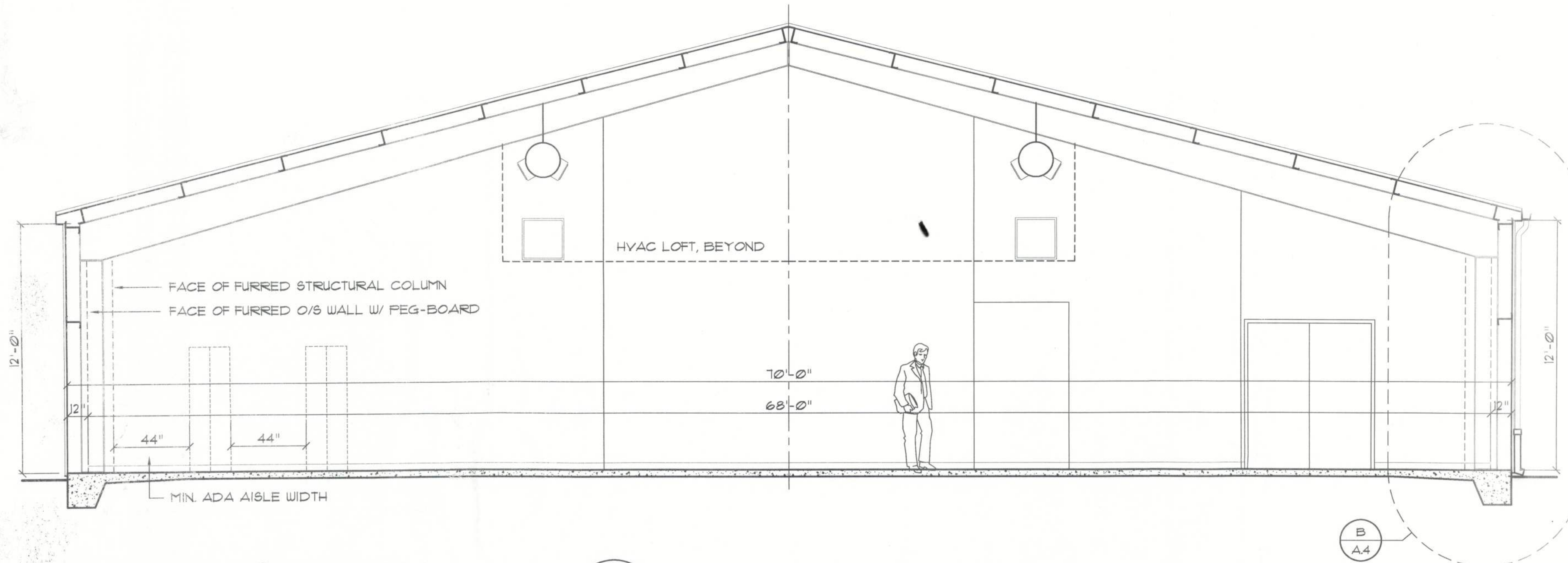
**NICHOLAS
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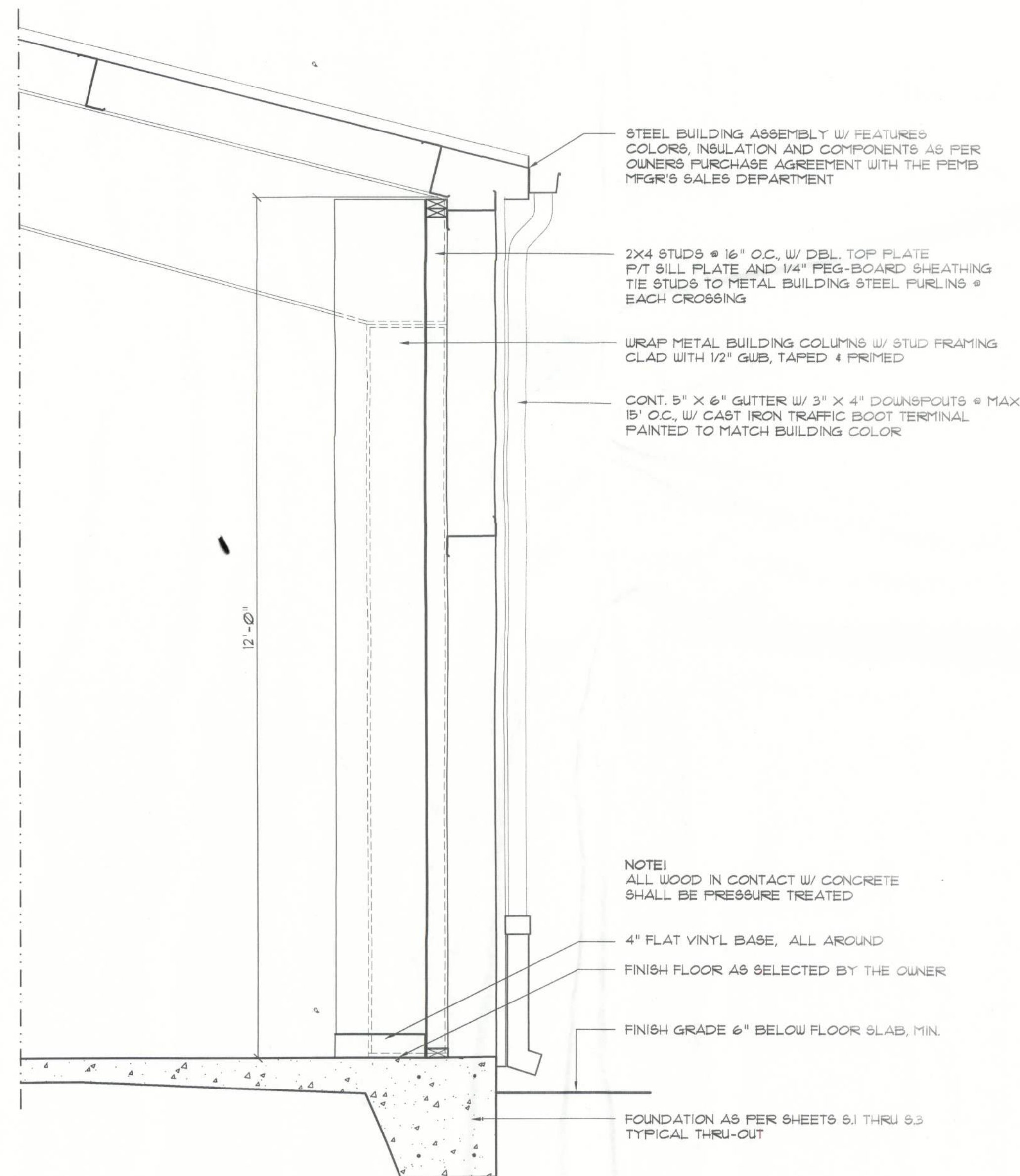
Building SECTION

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

A

GENERAL INTERIOR FINISH SCHEDULE:

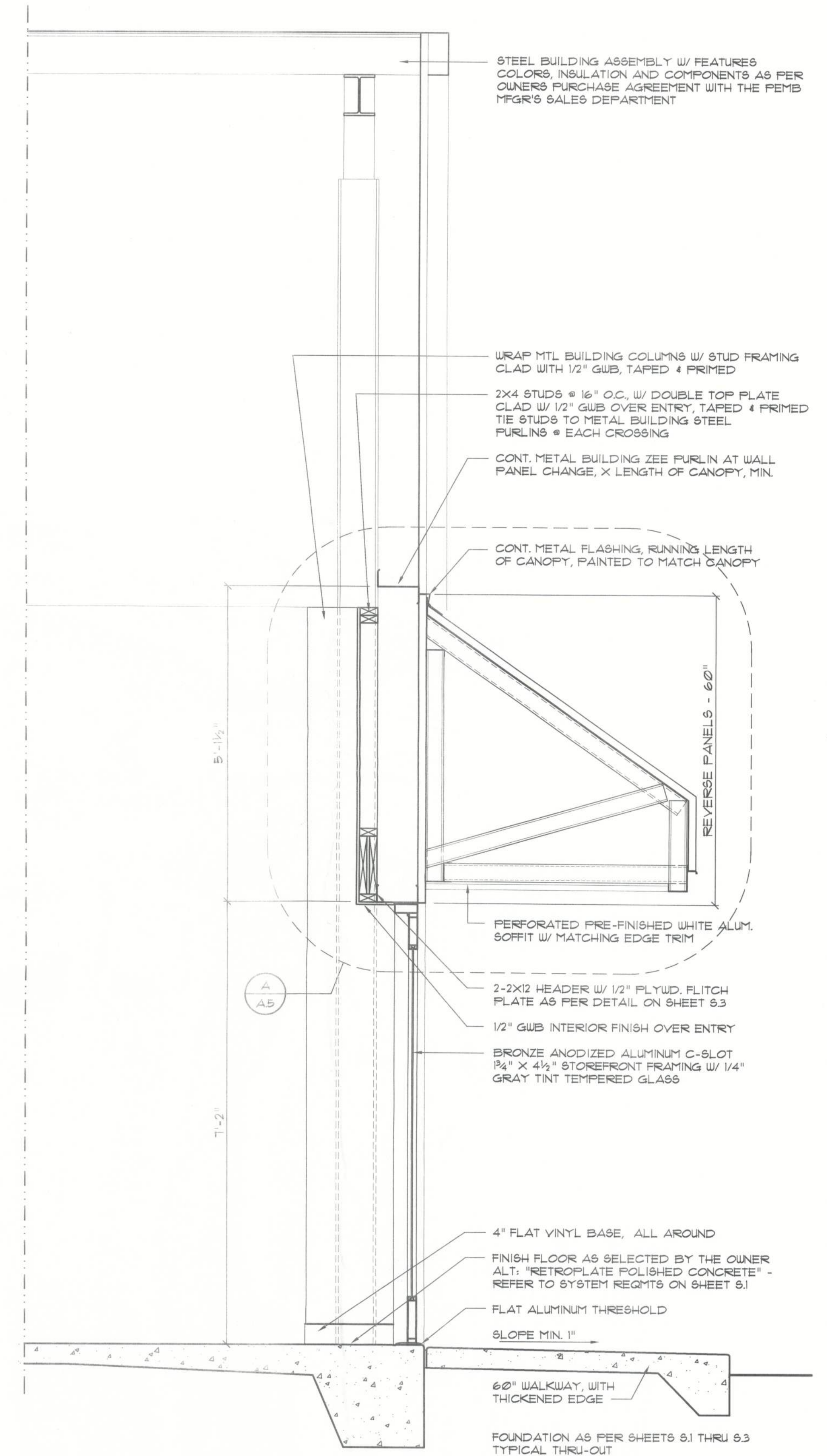
FLOOR AREA:	LAM STRIP WOOD, PATTERN & COLOR AS PER THE OWNER OR VINYL COMP TILE - SEE OWNER FOR CHANGES
R/R FLOOR AREA:	THINSET CERAMIC TILE OR NATURAL STONE, PAT. & COLOR AS SELECTED BY THE OWNER
BASE:	4" FLAT VINYL, COLOR AS SELECTED BY THE OWNER OR CERAMIC TILE OR STONE - MATCH WITH FLOORING
WALLS, GENERAL:	1/2" GWB, PRIMED AND PAINTED 2 COATS LATEX WALL PAINT, COLOR & GLOSS AS SELECTED BY THE OWNER
WALLS, SALES ROOM:	1/4" PEG BOARD, PRIMED AND PAINTED 2 COATS LATEX WALL PAINT, COLOR & GLOSS AS SELECTED BY THE OWNER
MAIN CEILING:	EXPOSED METAL BUILDING ROOF FRAMING, PRIMED & PAINTED 2 COATS, COLOR & GLOSS AS SELECTED BY THE OWNER
GWB CEILING:	5/8" GWB, DIRECT HUNG, TAPED & PRIMED, W/ 2 COATS LATEX CEILING PAINT, COLOR & GLOSS AS SELECTED BY THE OWNER
APPLIED FINISHES:	APPLIED FINISHED TO GWB, (e.g. SPRAY, KNOCK-DOWN, SKIP-TROWEL AND SIMILAR TREATMENTS AS DIRECTED BY THE OWNER
CABINETS:	AS SELECTED BY THE OWNER, MINIMUM API GRADE: "CUSTOM" - ALL COUNTERTOPS SHALL BE AS SELECTED BY THE OWNER



Wall SECTION

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

B



Wall SECTION

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

C

REVISION:
12 DEC 2012

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NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
BUILDING SECTION / WALL SECTIONS

Celebrating
40 Years of Service
1972-2012
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified

DATE:
01 DEC 2012

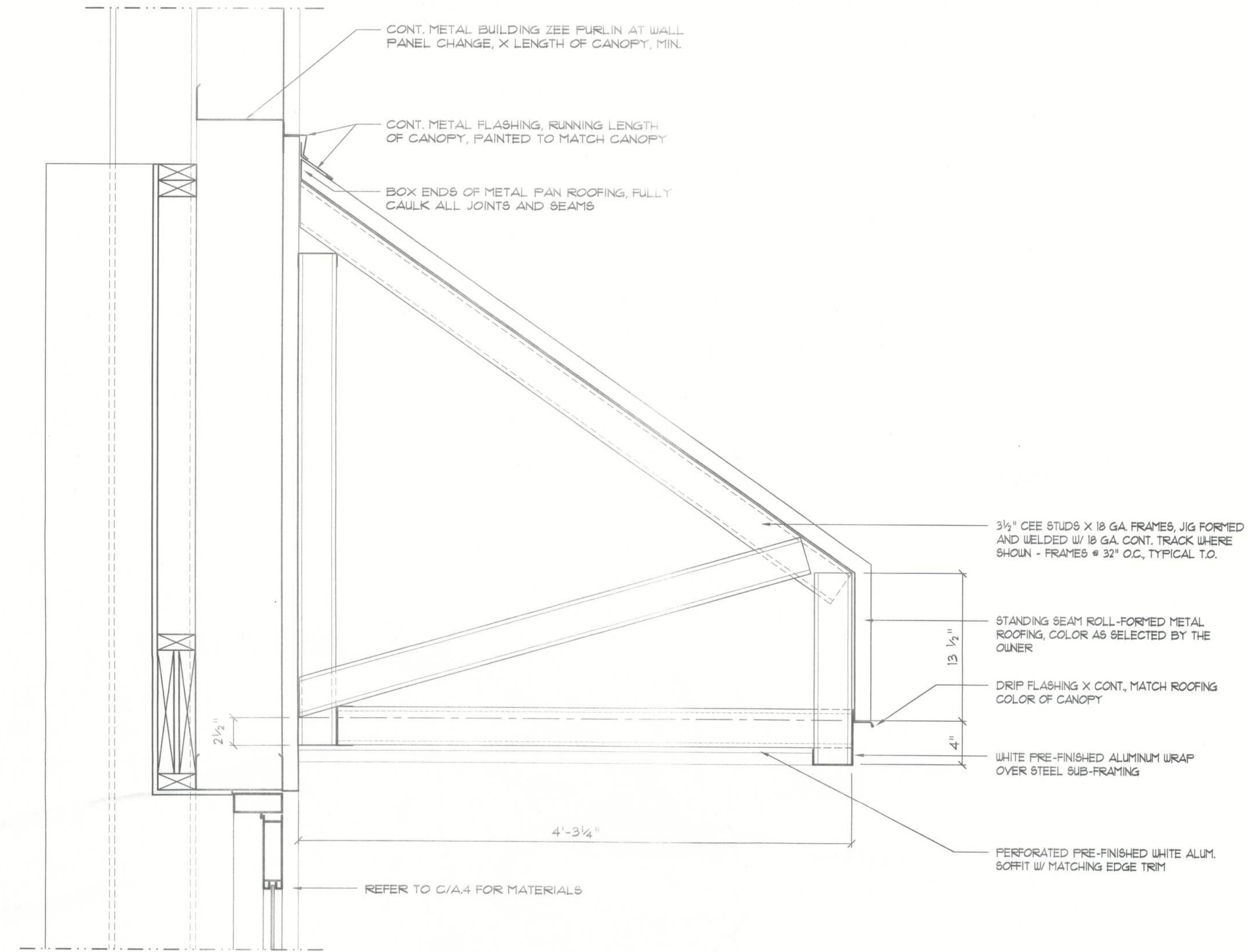
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4 OF 6

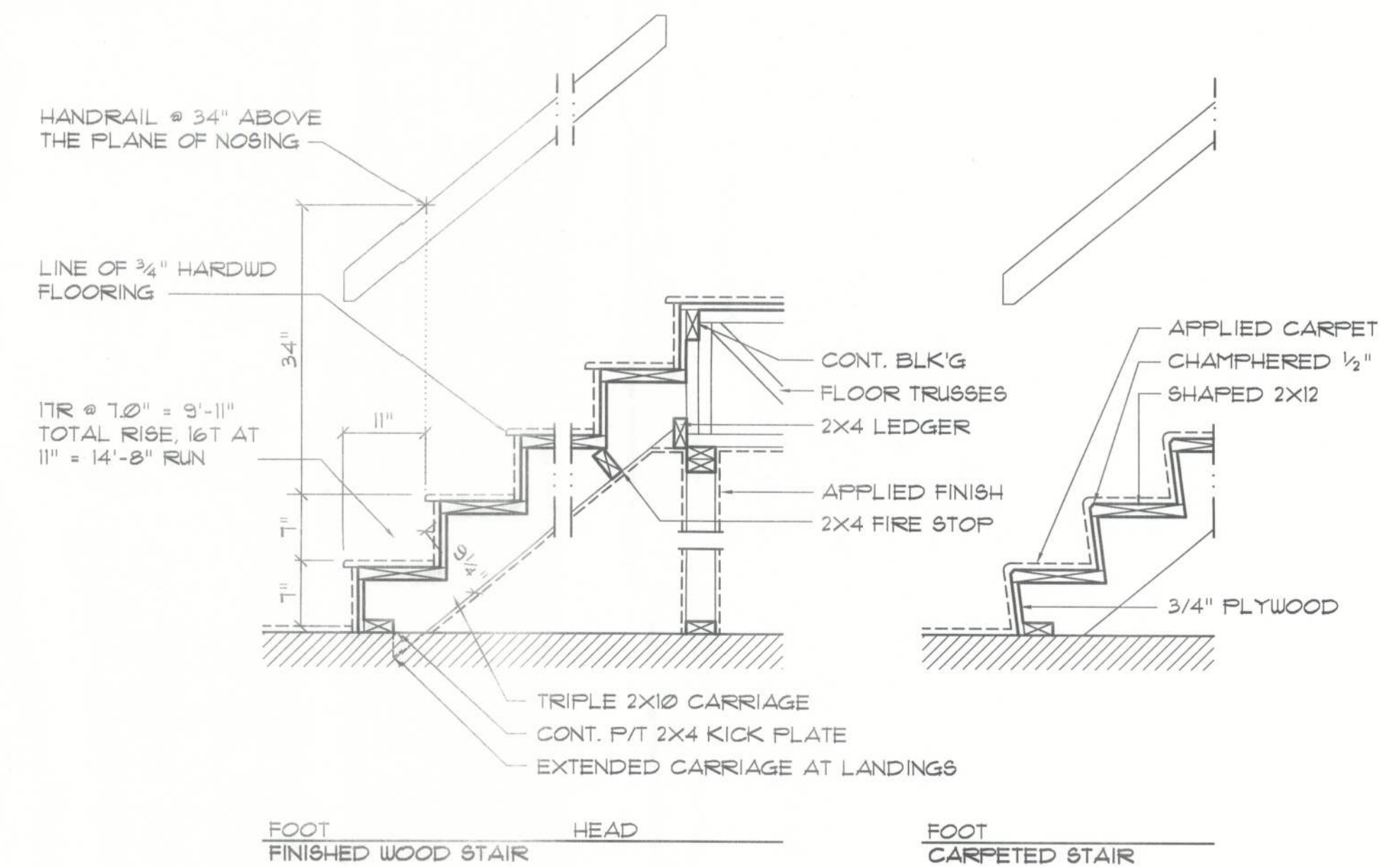
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Canopy DETAIL

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



REVISION:
12 DEC 2012

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DRAWN:
mg

NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
ARCHITECTURAL DETAILS

Celebrating
40 Years of Service
1972-2012
N.P. Geisler, Architect
AR0007005

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A.5
5 OF 6

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12/12/2012
AR0007005

STOREFRONT GLASS & GLAZING:

1. REFER TO PLANS, AND DETAILS AND FOR SIZE, AND TYPE.

2. MATERIALS: ALL GLASS AND GLAZING SHALL BE IN CONFORMANCE WITH THE STANDARDS AND RECOMMENDATIONS OF THE CURRENT EDITION OF THE GLAZING MANUAL OF THE FLAT GLASS JOBBERS ASSOCIATION.

3. EACH PIECE OF GLASS SHALL BE LABELED, NOTING THE NAME OF THE MANUFACTURER, GRADE, QUALITY AND TYPE. LABELS SHALL BE INTACT BEFORE AND AFTER INSTALLATION.

4. EXTERIOR GLASS SHALL BE 3/16" GRAY TINT, TEMP'D (ALT.) WITH BUTT GLAZED JOINTS, JOINT NOT TO EXCEED 1/8" GAP NOR LESS THAN 1/4". SEAL JOINTS WITH COMMERCIAL GRADE NEUTRAL CURE, CLEAR SILICONE. ACID CURE SILICONE WILL NOT BE ACCEPTED. APPLICATION SHALL BE TAPE AND TOOL.

5. MIRRORS SHALL BE "A" QUALITY 1/4" THICK POLISHED PLATE WITH FULL STAINLESS OR ALUMINUM FRAME AND CONCEALED FASTENERS.

6. STOREFRONT SHALL BE EQUAL TO YKK AP AMERICA, INC. 1600 CURRENCY DR. ORLANDO, FL 32801, OTHER APPROVED MFGS ARE KAWNEER CO. AND VISTAWALL ARCHITECTURAL.

7. ALL ALUMINUM STOREFRONT FRAMING AND DETAILS INDICATED ON THE DRAWINGS AND/OR DETAILS, SHALL BE EQUAL TO VISTAWALL SERIES 2000. THE FRAMING SHALL BE ACCURATELY ASSEMBLED WITH UNEXPOSED FASTENERS UTILIZING EXTRUDED SPILNERS, CLIPS AND/OR SWAP-IN FEATURES. ALL GLAZING SHALL BE HELD IN PLACE BY EPDM GLAZING GASKETS. NO APPLIED STOPS SHALL BE PERMITTED. ALL EXPOSED SURFACES SHALL BE FREE OF UNSIGHTLY SCRATCHES AND ELEMENTS. THE FINISH SHALL BE ANODIZED ALUMINUM. COLOR: DK. BRONZE IN ACCORDANCE W/ AA-M1C22A42/A44.

8. FINISH OF ALL SILL FLASHING SHALL BE .040" ALUMINUM TO MATCH STOREFRONT MATERIAL.

9. DOOR FRAMES FOR ENTRANCE DOORS SHALL BE ALUMINUM STOREFRONT FRAME WITH CUT OUTS AND BACKING PLATES FOR (3) BUTT HINGES FOR EACH DOOR LEAF. LOCATION OF HINGES TO BE COORDINATED BY GENERAL CONTRACTOR WITH STOREFRONT SUBCONTRACTOR.

10. ALL DOOR AND FRAMING SECTIONS SHALL BE EXTRUDED ALUMINUM ALLOY AND TEMPERED TO MEET OR EXCEED FINISHING AND STRUCTURAL CRITERIA. DOOR STILES AND RAILS, EXCLUDING GLASS STOPS, SHALL BE TUBULAR AND HAVE .025" WALL THICKNESS. ALL WEATHERING SHALL BE HARDBACKED SILICONE TREATED POLYPROPYLENE. ANY EXPOSED FASTENERS SHALL BE ALUMINUM, STAINLESS STEEL OR OTHER NON-CORROSIVE MATERIAL. DOOR VERTICAL STILES SHALL BE NOMINAL 4-1/4", BE A MINIMUM OF 8-1/2". ALL DIMENSIONS NOTED ABOVE ARE WITH GLASS STOPS ON.

11. ALL EXPOSED SURFACES SHALL BE FREE OF UNSIGHTLY SCRATCHES AND BLEMISHES. THE FINISH SHALL BE ANODIZED, AS PER VISTAWALL ARCHITECTURAL PRODUCTS STANDARD.

12. DOOR STILES AND RAILS SHALL BE ACCURATELY JOINED AT CORNERS WITH CONCEALED REINFORCEMENT BRACKETS SECURED WITH BOLTS AND SCREWS, AND SHALL BE MIG WELDED. DOORS SHALL HAVE SNAP-IN STOPS WITH BULB GLAZING VINYL ON BOTH SIDES OF GLASS. NO EXPOSED SCREWS SHALL BE PERMITTED. EACH DOOR LEAF SHALL BE EQUIPPED WITH AN ADJUSTING MECHANISM LOCATED IN THE TOP RAIL NEAR THE LOCK STILE WHICH PROVIDES FOR MINOR CLEARANCE ADJUSTMENTS AFTER INSTALLATION. WEATHERING SHALL BE INSTALLED IN THE HINGE STILE OF PAIR OF DOORS. DOOR FRAME AND SIDELIGHT FRAMING SHALL BE ACCURATELY JOINED AT CORNERS WITH CONCEALED SCREWS.

13. DESIGN CRITERIA FOR WIND LOADS SHALL BE IN ACCORDANCE WITH ASCE-7-10 DESIGN WITH WIND VELOCITY OF 130 MPH, BUILDING IMPORTANCE FACTOR OF 1.0.

14. ALL HARDWARE FOR ENTRANCE DOORS, WITH THE EXCEPTION OF THE CYLINDERS, SHALL BE FURNISHED AND INSTALLED BY ALUMINUM STOREFRONT CONTRACTOR AS FOLLOWS:

- 1-1/2" PAIR OF 4-1/2" BUTTS
- ADAMS-RITE 6000 SERIES MORTISE EXIT DEVICE
- CON SUPER SMOOTH MOUNTED PARALLEL ARM WITH DROP PLATE
- BUG SWEEP WITH SLIDE ON COVER
- MANUFACTURER'S STANDARD WEATHERSTRIPPING
- PH - 11 FULL HANDLE ON EXTERIOR

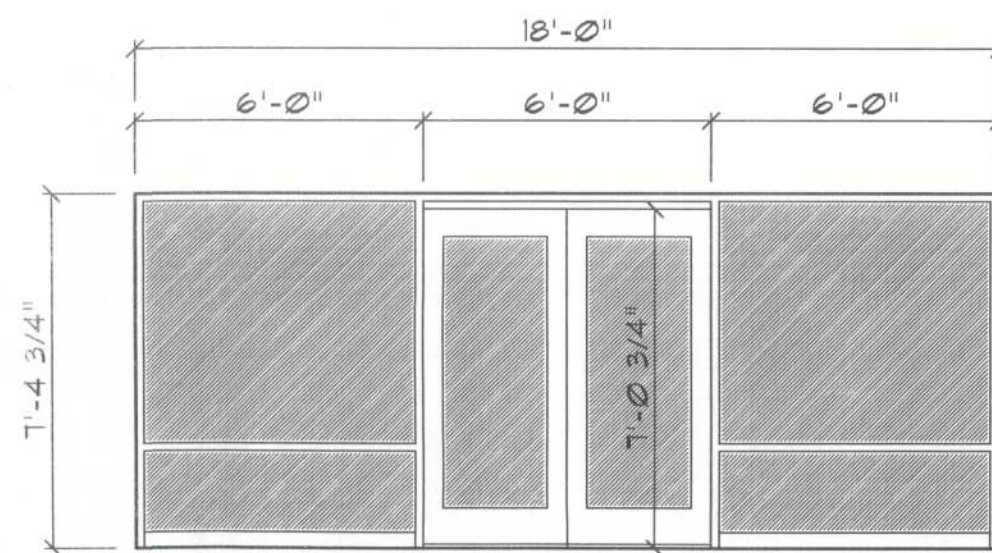
15. ALL HARDWARE SHALL BE FINISHED AS SELECTED BY THE OWNER.

16. ALL ITEMS SHALL BE SET IN THEIR CORRECT LOCATIONS AS SHOWN ON THE DRAWINGS AND SHALL BE LEVEL, SQUARE, PLUMB AND AT PROPER ELEVATION AND IN ALIGNMENT WITH OTHER WORK. THIS CONTRACTOR SHALL DO ALL CAULKING AND SEALING ASSOCIATED WITH THIS WORK.

17. SEAL ALL JOINTS. FRAMING MEMBERS SHALL BE SCREWED IN PLACE USING BACKING, ANCHOR PLUGS, OR STRAPS AS REQUIRED. WHERE HOLDINGS ARE JOINED, THEY SHALL BE ACCURATELY CUT AND FITTED TO RESULT IN A TIGHTLY CLOSED HAIRLINE JOINT. NO UNFINISHED ALUMINUM SHALL BE VISIBLE.

18. DOORS SHALL OPERATE FREELY AND SHALL NOT RATTLE WHEN CLOSED. SWING TYPE DOORS SHALL HAVE HEAD AND JAMB CLEARANCE OF 3/32" PLUS OR MINUS 1/32".

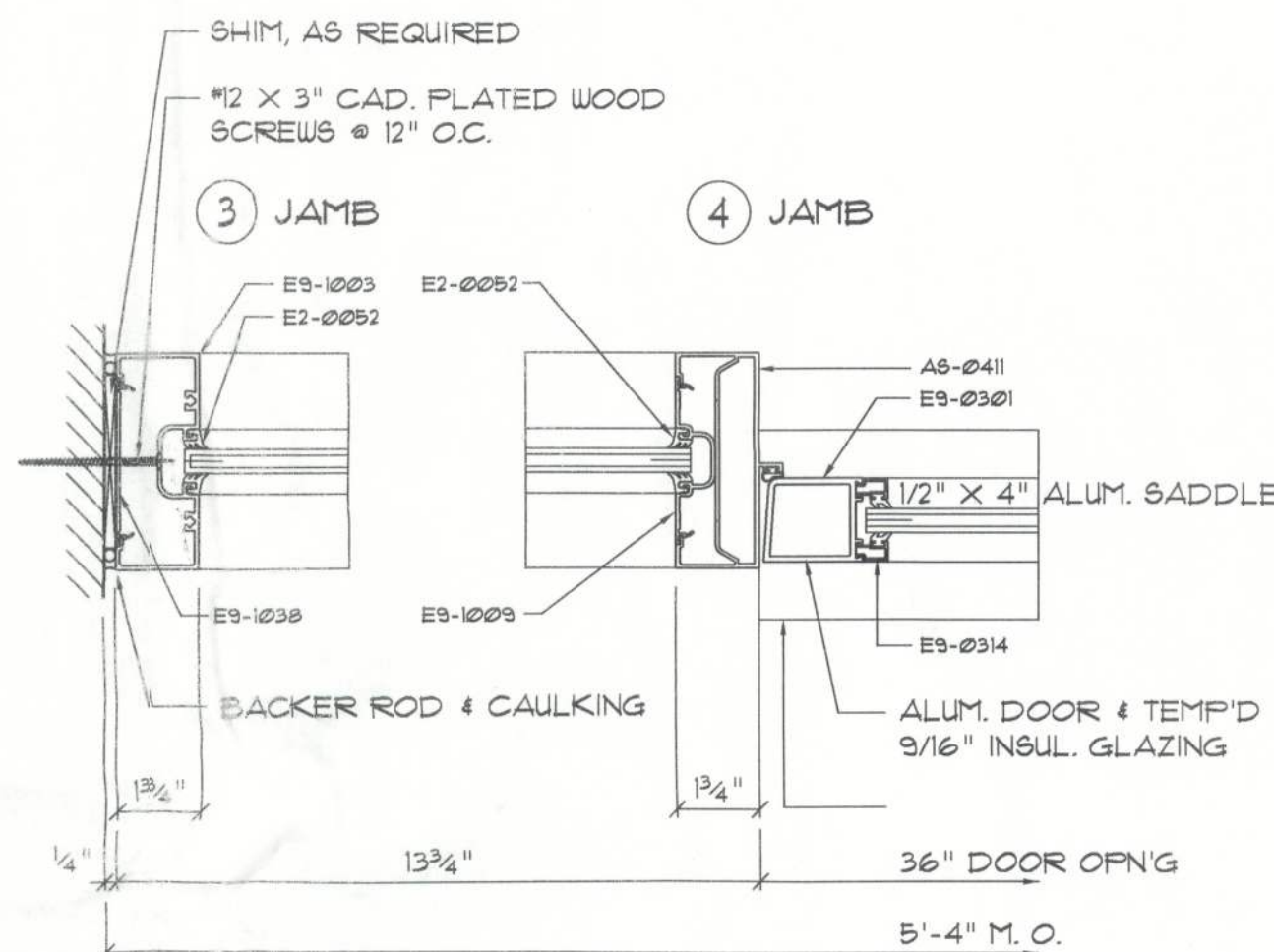
19. AFTER ERECTION, THE CONTRACTOR SHALL PROTECT EXPOSED PORTIONS FROM DAMAGE BY MACHINES, PLASTER LINE, PAINT, ACID, CEMENT, OR OTHER HARMFUL COMPOUNDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF PROTECTIVE MATERIALS AND CLEANING PER STOREFRONT FRAMING MANUFACTURER'S PRINTED INSTRUCTIONS.



Frame ELEVATIONS

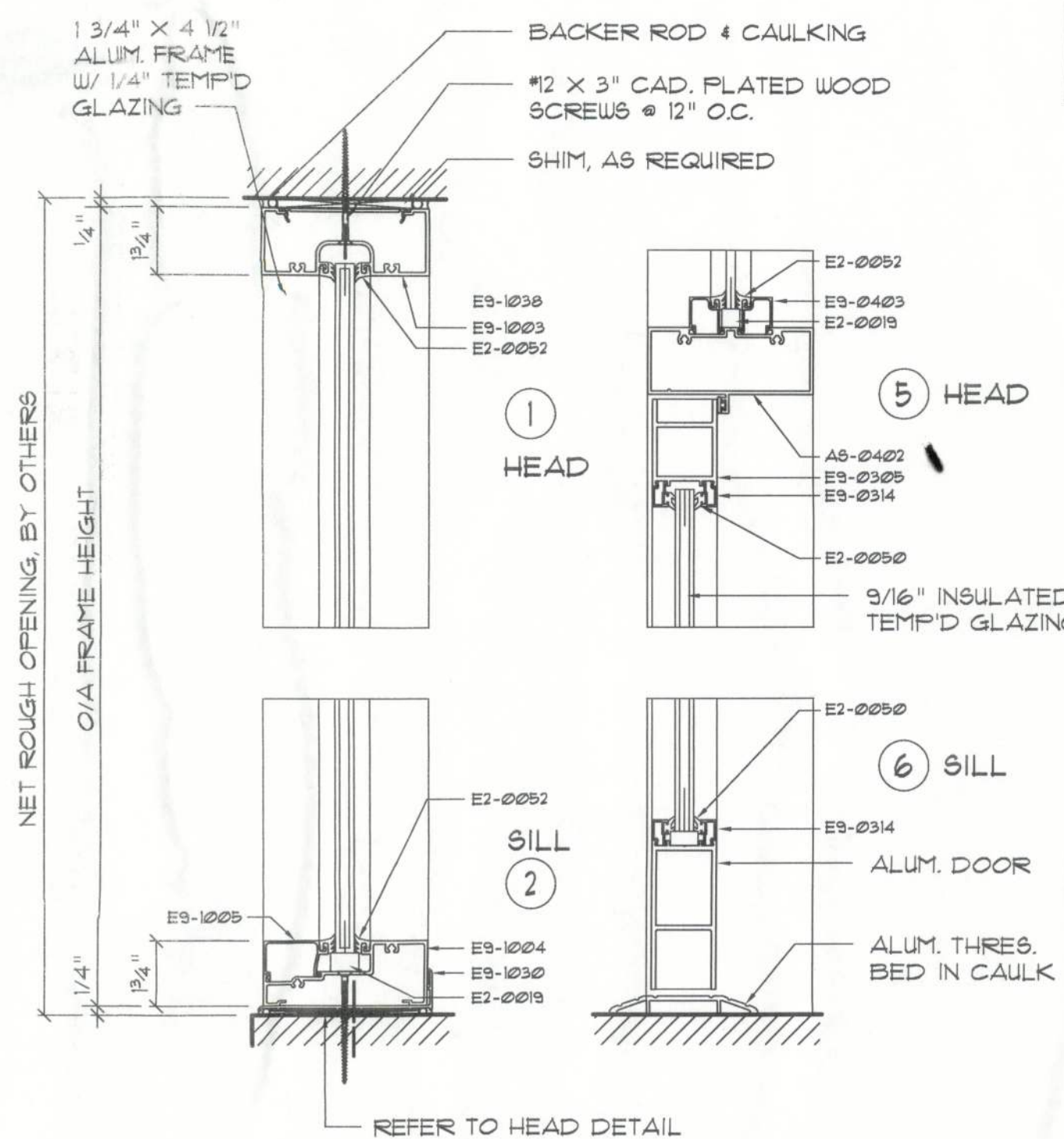
SCALE: 1/4" = 1'-0"

FIELD MEASUREMENTS:
FIELD VERIFY ALL OVERALL FRAME
SIZES PRIOR TO METALS FABRICATION



Horizontal SECTION

SCALE: 3" = 1'-0"



Vertical SECTION

SCALE: 3" = 1'-0"

Storefront Door DETAILS

SCALE: VARIOUS

GENERAL MILLWORK NOTES:

- MILLWORK SUB-CONTRACTOR PROVIDING CASEWORK, MILLWORK OR THE LIKE FOR THIS PROJECT SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6 OF THE GENERAL NOTES, THIS SHEET.
- SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: FABRICATION AND DELIVERY OF MILLWORK, SHOWN ON THE DRAWINGS, TO THE JOB SITE, INSTALLATION OF CABINET HINGES, CATCHES, DRAWER & TRAY GUIDES, ADJUSTABLE SHELF STANDARDS & SURFACE BOLTS.
- ALL APPLICABLE STANDARDS OF "AWI" QUALITY STANDARDS & GUIDE SPECIFICATIONS APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE.
- AWI "CUSTOM" GRADE EXCEPT AS OTHERWISE NOTED OR DIRECTED BY THE OWNER, SHALL BE THE BASE STANDARD OF QUALITY REQ'D FOR THIS WORK.
- MILLWORK SUB-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE FOLLOWING ITEMS, PRIOR TO FABRICATING ANY MAT'L'S OR MILLWORK: COMPLETE SET OF SHOP DRAWINGS, SAMPLES OF W.D. SPECIES RECEIVING TRANSPARENT FINISH, MFR'S LITERATURE FOR ALL SPECIALTY ITEMS NOT MFD. BY THE ARCHITECTURAL WOODWORK FIRM AND HARDWARE SCHEDULE, SHOWING HARDWARE USED AT EA. LOCATION & CONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIVES ISSUED BY THE OWNER.
- PRODUCTS SHALL INCLUDE THE FOLLOWING:
SOFTWOOD - SOLID STOCK PINE, C OR BETTER
HARDWOOD - SPECIES AS SELECTED BY OWNER
PLYWOOD, OPAQUE FINISH - FIR, GRADE A/B
PLYWOOD, TRANSPARENT FINISH - SPECIES AS SELECTED BY OWNER
PARTICLE BOARD - HIGH DENSITY, W/ RESIN BINDER
LAM. PLASTIC - MFG. COLORS, PATTERNS & TEXTURES AS SELECTED BY OWNER
LAMINATING ADHESIVES - POLYVINYL ACETATE, UREA-FORMALDEHYDE, CABIN
- ASSEMBLE WORK AT MILL & DELIVER TO JOB SITE READY TO INSTALL INsofar AS POSSIBLE.
- PROTECT MILLWORK FROM MOISTURE & DAMAGE WHILE IN TRANSIT TO THE JOB SITE. UNLOAD AND STORE IN A PLACE WHERE IT WILL BE PROTECTED FROM MOISTURE AND DAMAGE AND BE CONVENIENT FOR INSTALLATION.
- FABRICATE WORK IN ACCORDANCE WITH MEASUREMENTS TAKEN AT THE JOB SITE.
- INSTALL HARDWARE IN ACCORDANCE WITH MANUF'S DIRECTIONS. LEAVE OPERATING HARDWARE OPERATING SMOOTHLY & QUIETLY.
- DAMAGED SURFACES SHALL BE REPAIRED TO MATCH UNDAMAGED ADJACENT PORTION OF THE WORK.

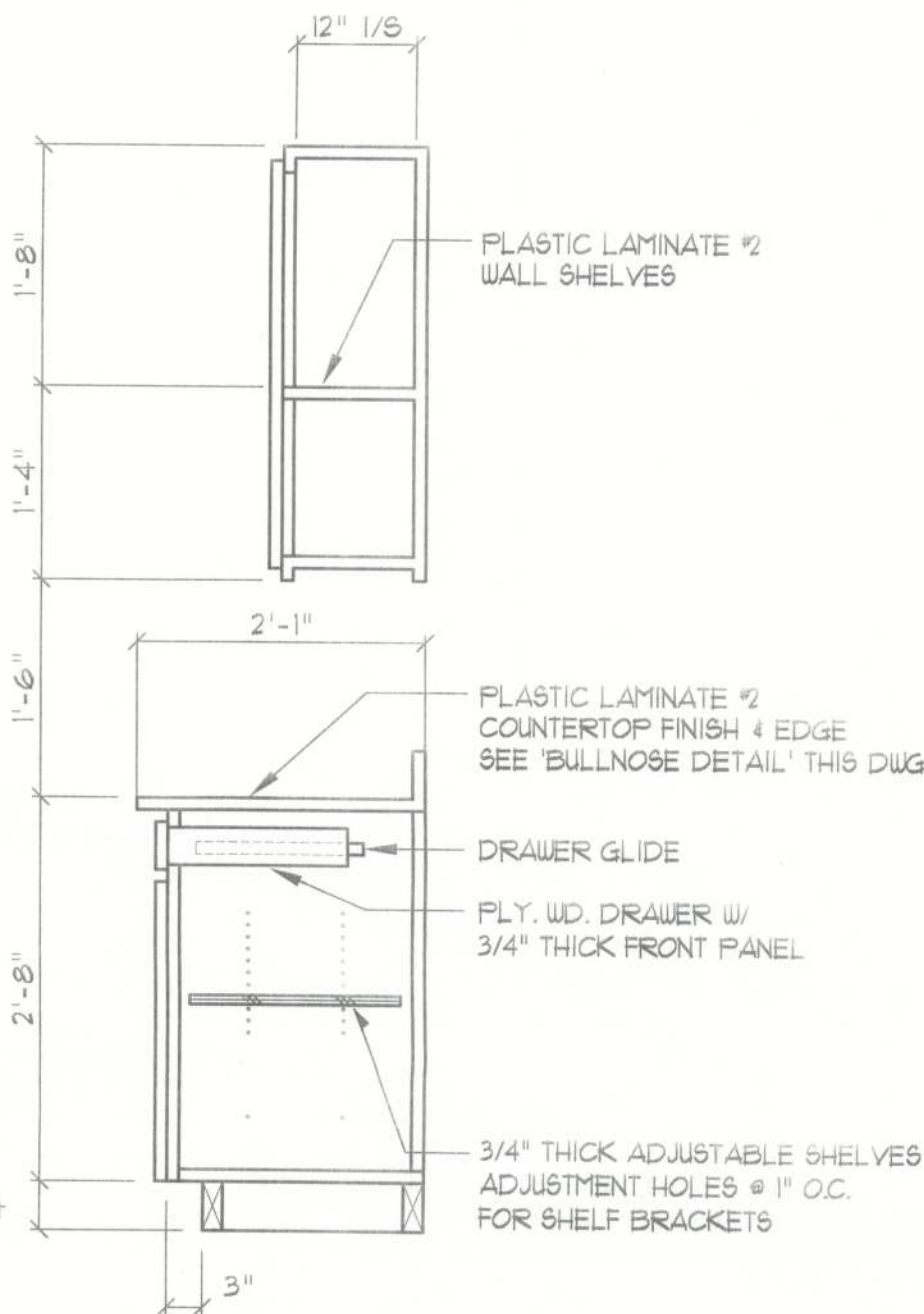
TEMPERED GLASS NOTES:

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

- GLAZING IN SWINGING DOORS AND FIXED AND SLIDING PANELS OF SLIDING (PATIO) DOOR ASSEMBLIES.
- GLAZING IN DOORS AND WALLS OF ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND OTHER SUCH FACILITIES WHERE SUCH GLAZING IS LOCATED 36 INCHES (914 MM) OR LESS, MEASURED HORIZONTALLY, FROM A STANDING OR WALKING SURFACE WITHIN THE ENCLOSURE AND WHERE THE BOTTOM EDGE OF THE EXPOSED GLAZING IS LESS THAN 60 INCHES (1524 MM), MEASURED VERTICALLY, ABOVE SUCH STANDING OR WALKING SURFACES.
- GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH (610 MM) RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE.
EXCEPTION: GLAZING IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION IN GROUP R3 OR WITHIN DWELLING UNITS IN GROUP R2 SHALL BE SUBJECT TO 2004 FBC 2405.2(1)(4).
- GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 2 AND 3 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
41. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (824 M²).
42. BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.
43. TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.
44. ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.

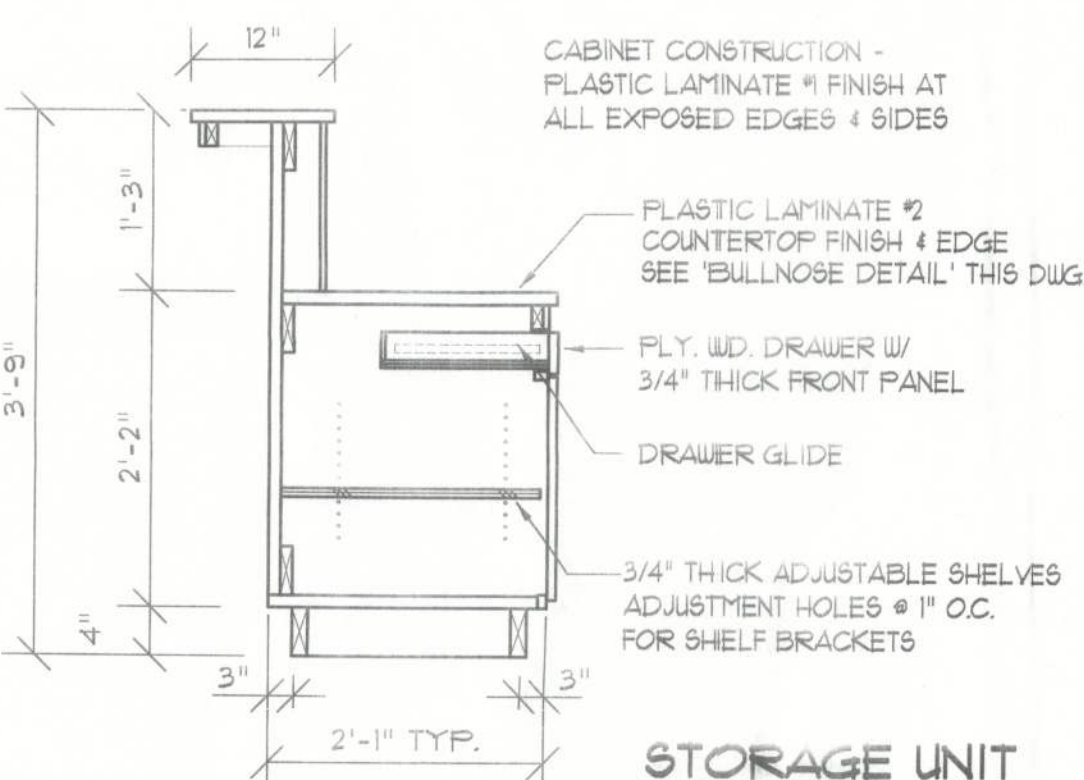


NOTE!
PROVIDE 2X6 BACKING AT ALL OVERHEAD CABINET LOCATIONS, FLUSH WITH FACE OF FRAMING - TOP OF BACKING TO BE 1'-0" AFF.



Base & O/H Cab.

SCALE 3/4" = 1'-0"



Desk W/ Walk-up Counter

SCALE 3/4" = 1'-0"

NOTE!

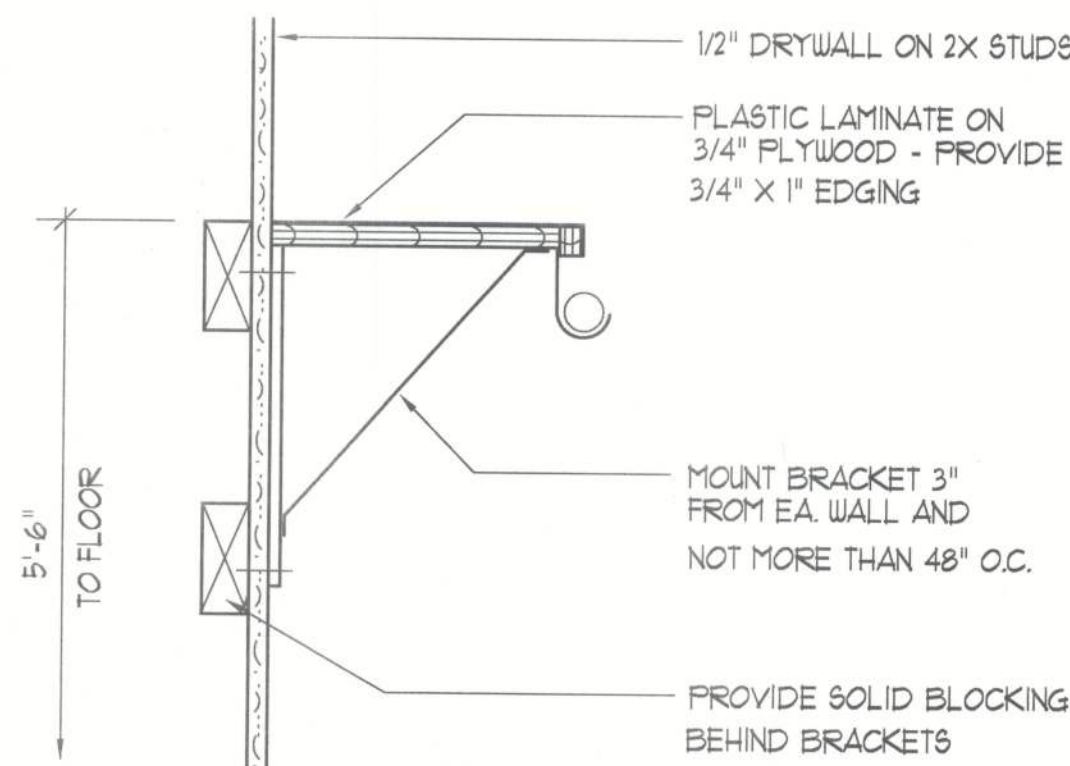
CABINETS, COUNTERS, SHELVES AND THE LIKE, SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF QUALITY AS OUTLINED IN THE NOTES TITLED "GENERAL MILLWORK NOTES", AND SHALL INCLUDE SUCH FEATURES, HARDWARE AND FINISHES AS DIRECTED BY THE OWNER. THE PLAN VIEWS INDICATED ARE FOR GENERAL LOCATION AND EXTENT OF THE WORK - UNLESS DETAILED CABINET PLANS ARE INCLUDED WITH THIS PLAN PACKAGE ALL OTHER PHYSICAL CHARACTERISTICS SHALL BE AS DIRECTED BY THE OWNER.

NOTE!

THESE COUNTER DETAILS ARE GENERAL IN NATURE AND PROVIDE A BASIS FOR ACTUAL CABINET CONSTRUCTION.

Typical Cabinet DET'S

SCALE 3/4" = 1'-0"



Closet Rod & Shelf DET.

SCALE: NONE

REVISION:
12 DEC 2012

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NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
ARCHITECTURAL DETAILS

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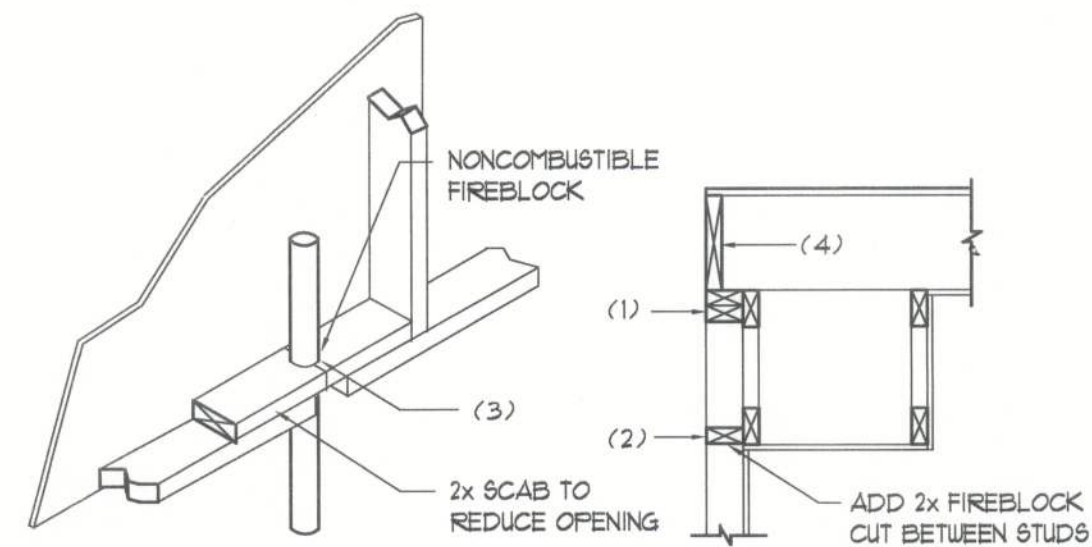
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FIELD "AS-BUILT" NOTES



PENETRATIONS

SOFFIT/DROPPED CLG.

FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROFANEL MULTIFLEX SEALANT"
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS; FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE

GENERAL NOTES:

- THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
- THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
- AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
- THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.
- THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING OF THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNERS" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
- ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE "MINIMUM ENERGY REQUIREMENTS" OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
- ALL INSULATION SHALL BE LEFT EXPOSED AND ALL CABLES LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
- ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESURE TREATED.
- INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333"; BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.
- INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-11 BATT INSULATION.
- CEILINGS OVER ATTACHED GARAGES OR GARAGES WITH LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GWS ON 1x3 WOOD FURRING AT 16" O.C. ATTACHED WITH 1 1/4" BUGLEHEAD SCREWS @ 6" O.C. ALONG EACH POINT OF BEARING.

STANDARD ABBREVIATIONS

AT	GALV.	GALVANIZED
NUMBER OF FOUNDS	HORZ.	HORIZONTAL
EQUALS	INS.	INSULATION
DIAMETER	INT.	INTERIOR
WITH	LAV.	LAVATORY
WITHOUT	LVL.	LAMINATED VENEER LUMBER
CENTERLINE	MAX.	MAXIMUM
AND	MIN.	MINIMUM
PLUS OR MINUS	MISC.	MISCELLANEOUS
ONE FOOT	M.O.	MASONRY OPENING
ONE INCH	No. or N.	NUMBER
ONE QUARTER INCH	O.C.	ON CENTER
8 PENNY	O/H	OVERHEAD
BEAM	OHD	OVERHEAD DOOR
BY OTHERS	PLYWD.	PLYWOOD
BOTTOM	P/T	PRESSURE TREATED
CEILING	REINF.	REINFORCING (ED)
CLEANOUT	REQ'D	REQUIRED
CONC.	RM.	ROOM
CLEANOUT TO GRADE	R.O.	ROUGH OPENING
DOUBLE	SF	SQUARE FEET
DIM.	SGD	SLIDING GLASS DOOR
DOWN	SHT.	SHEET
ELEVATION	SRUH	SWANNEE RIVER LOG HOMES
EXT.	TYP.	TYPICAL
FRENCH (DOORS)	VERT.	VERTICAL
FOUNDATION	WC	WATERCLOSET (TOILET)

PROJECT INFORMATION / NOTES:

DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 110 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:

FOOTING DESIGN IS BASED UPON 1000PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND GRAVEL OR STONE. OTHER SOIL CONDITIONS: 1a. CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL REQUIRE FOUNDATION MODIFICATIONS.

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 40PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2001 FLORIDA BUILDING CODE

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST
LIFE SAFETY: NFPA-101 - LATEST

CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRICATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

CHANGES TO FINAL PLAN SETS

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.

SYMBOLS

THESE SYMBOLS ARE MOST OFTEN ENCOUNTERED IN THE FOLLOWING DRAWINGS: ELEVATIONS, DIMENSION PLANS, SECTIONS & STRUCTURAL PLANS

1/4" @ 1'-0"	TYPE OF ELEVATION MARK USED TO INDICATE A PREFERRED TARGET ELEVATION - TRUE MEASUREMENT.
TOP OF 18th LOG COURSE NOMINAL = 8'-8 1/2"	TYPE OF ELEVATION MARK USED TO INDICATE THE TOP OF A LOG WALL STACK - NOMINAL ONLY.
A A5	TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW
A A5	TYPE OF DETAIL MARK USED TO INDICATE A SECTION (e.g. SECTION "A" ON SHEET "A5") TAIL INDICATES DIRECTION OF VIEW
A A5	TYPE OF SECTION MARK USED TO INDICATE A VIEW TAKEN IN THE DIRECTION OF THE ARROW (e.g. SECTION "A" FOUND ON "D66" OF THE PROJECT MANUAL)
(A)	INDICATES FOOTING TYPE "A" DESCRIBED IN THE FOOTING SCHEDULE
(1)	INDICATES POST/COLUMN TYPE "1", DESCRIBED IN THE COLUMN SCHEDULE
(1)	INDICATES POST/COLUMN TYPE "1", LOCATED BELOW CURRENT LEVEL
(2)	INDICATES POST/COLUMN TYPE "2", LOCATED ABOVE CURRENT LEVEL
(2) (1)	INDICATES POST/COLUMN TYPE "2" LOCATED OVER TYPE "1" POST/COLUMN

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1042.6
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1003.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1003.4.4
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.16
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1016.11
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1016.12
- BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1016.13
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1016.14
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1016.15
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR OR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1016.16
- AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1016.16
- ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1016.17
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1016.17
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 1303.13
- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 1303.14

GENERAL NAILING SCHEDULE:

CONNECTION	COMMON NAILS	Nr. / SPACING
BRIDGING TO JOIST, TOE NAIL	16d	2 EA. END
2" SUBFLOOR TO JOIST		
BLIND & FACE NAILING	16d	2
SOLE PLATE TO JOIST OR BLOCKING		
FACE NAILED	16d	16" O.C.
TOP OR SOLE PLATE TO STUD		
END NAILED	16d	2
STUD TO SOLE PLATE, TOE NAILED	8d	3 OR 2 16d
DOUBLE STUDS, FACE NAILED	16d	24" O.C.
DOUBLE TOP PLATES, FACE NAILED	16d	16" O.C.
TOP PLATES - LAPS & INTERSECTIONS		
FACE NAILED	16d	2
1 X 6 SHEATHING TO EACH POINT OF BEARING, FACE NAILED		
BUILT-UP CORNER STUDS, FACE NAILED	8d	2
FACE NAILED	16d	
BUILT-UP GIRDERS & BEAMS	20d	32" O.C. 32" O.C. @ TOP & BOTTOM 4 STAGGERED - 2 @ EA. END 4 @ SPLICES
3/4" PLYWOOD SUBFLOORING	8d	6" O.C. @ EDGES 12" O.C. @ INTERMEDIATE
OSB SHEATHING, 1/16" THICK	8d	6" O.C. @ EDGES 10" O.C. @ INTERMEDIATE
1/8" FIBERBOARD SHEATHING	6d	3" O.C. @ EDGES 6" O.C. @ INTERMEDIATE

- NAILS, BOLTS AND OTHER METAL CONNECTORS WHICH ARE USED IN LOCATIONS EXPOSED TO THE WEATHER SHALL BE GALVANIZED OR OTHERWISE CORROSION RESISTANT.
- IN GENERAL, NAILS SHALL PENETRATE THE SECOND MEMBER A DISTANCE EQUAL TO THE THICKNESS OF THE MEMBER BEING NAILED THERETO, OR GREATER.
- THERE SHALL BE NOT LESS THAN 2 NAILS PER CONNECTION.
- GLUING SHALL NOT BE CONSIDERED AN ACCEPTABLE CONNECTOR IN LIEU OF THOSE SPECIFIED HEREIN.
- FORMED METAL CONNECTORS, AS PER THE SCHEDULE HEREIN, SHALL HAVE THE NUMBER OF NAILS INSTALLED AS REQUIRED BY THE MANUFACTURER, OR AS DIRECTED BY THE PLANS.
- NAILS PROJECTING BEYOND THE LAST WOOD MEMBER SHALL BE CLINCHED, WHEREVER POSSIBLE.
- NOTES IN THE "PLANS" PACKAGE OF THE CONSTRUCTION DOCUMENTS SUPERSEDE SIZES & SPACINGS OF NAILS CONTAINED HEREIN.

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NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
STRUCTURAL NOTES & INFORMATION

Celebrating
40 Years of Service
1972 - 2012
N.P. Gesler, Architect
AR0007005

**NICHOLAS
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DATE:

071 DEC 2012

COMM:

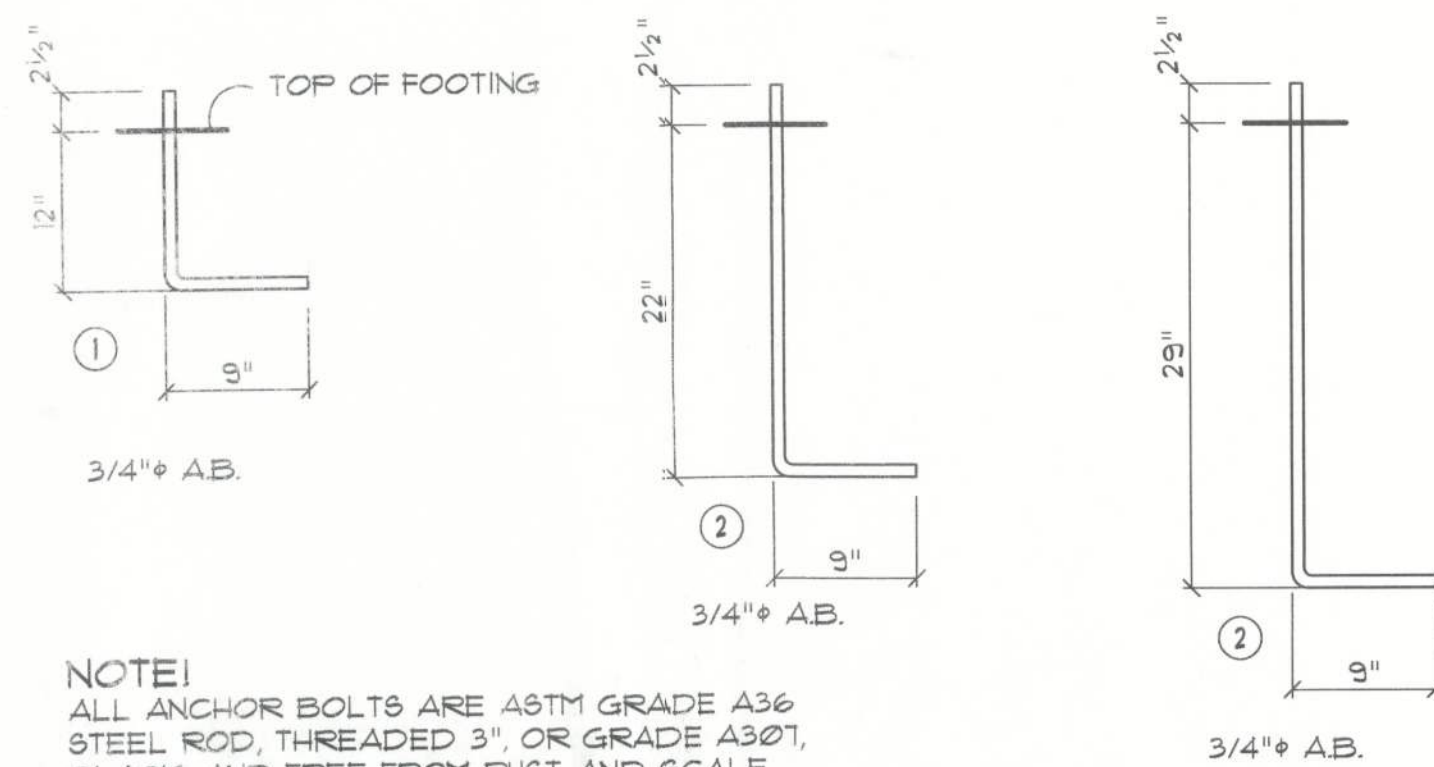
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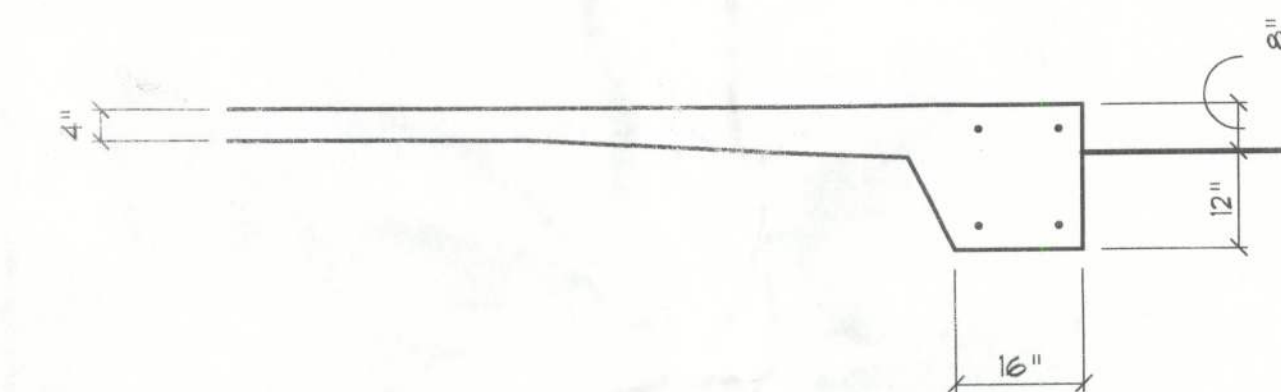
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Anchor Bolt DETAILS

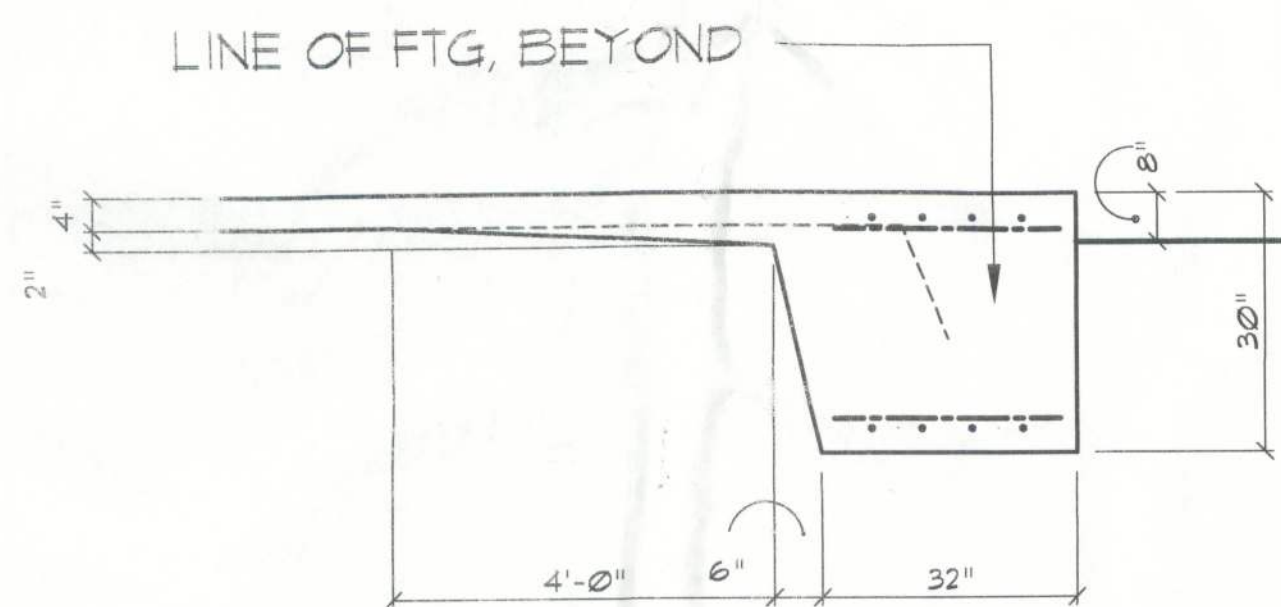
SCALE: 1" = 1'-0"

NOTE:
ALL DOOR/ENTRY OPENINGS INDICATED ARE NET SIZE, AND
REQUIRE 2" ANCHOR BOLTS AT EACH SIDE OF THE OPENING
REFER TO METAL BUILDING SHOP DRAWINGS FOR DETAIL



FOOTING @ SLAB EDGE

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

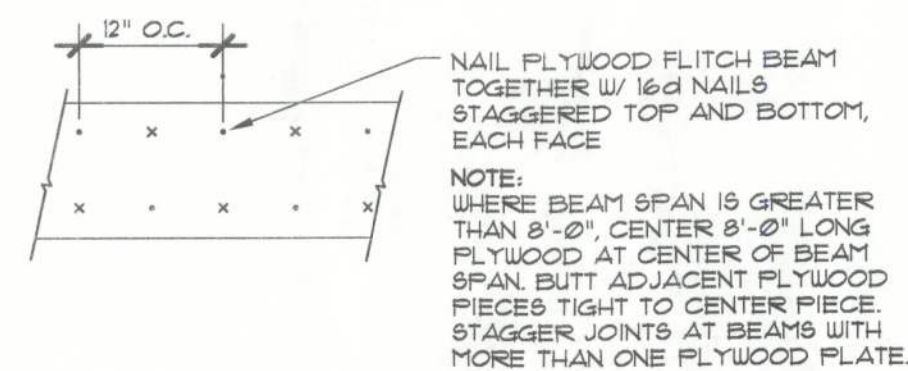


FOOTING @ MAIN FRAMES

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

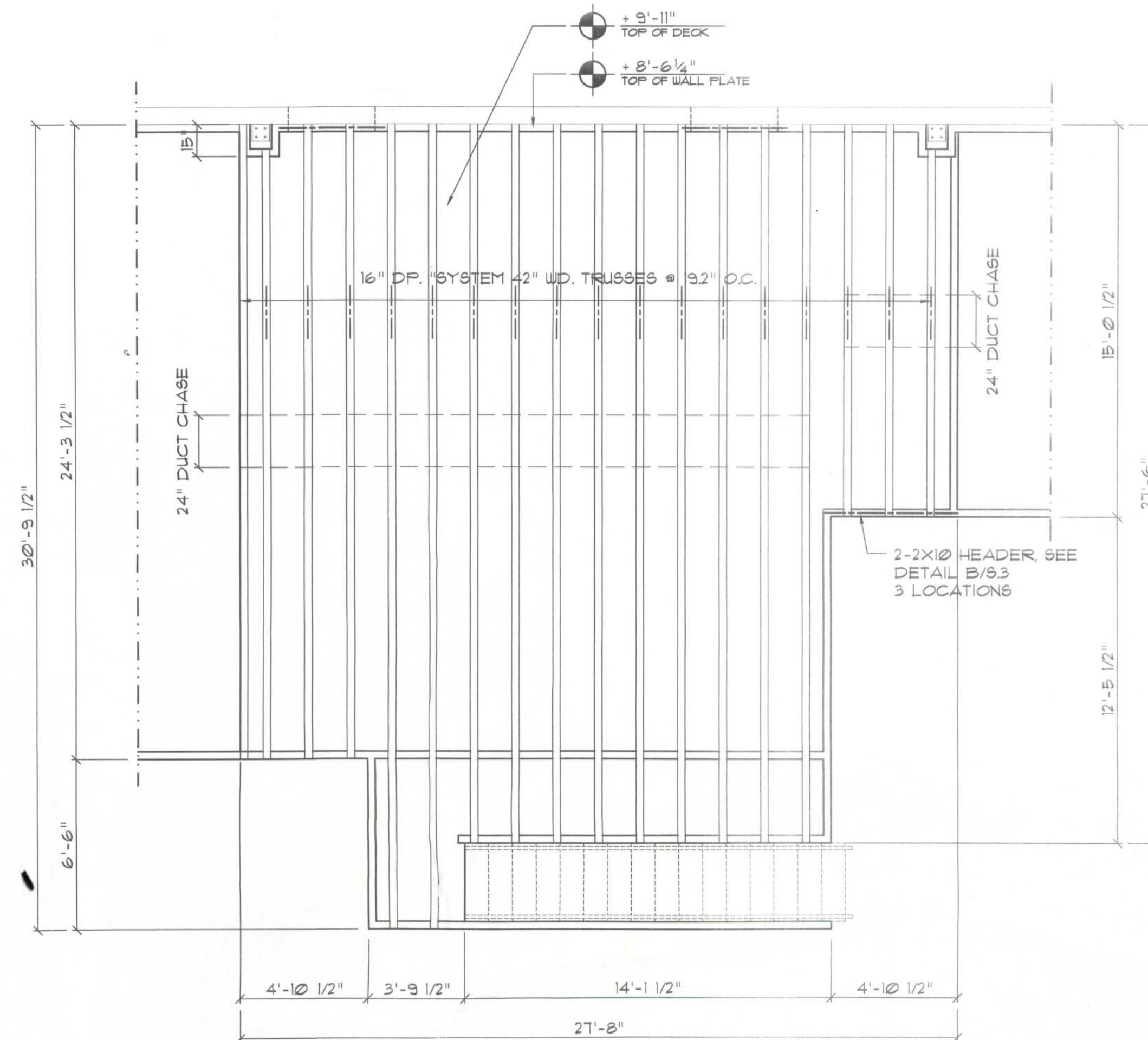
Slab Edge DETAILS

SCALE: AS NOTED



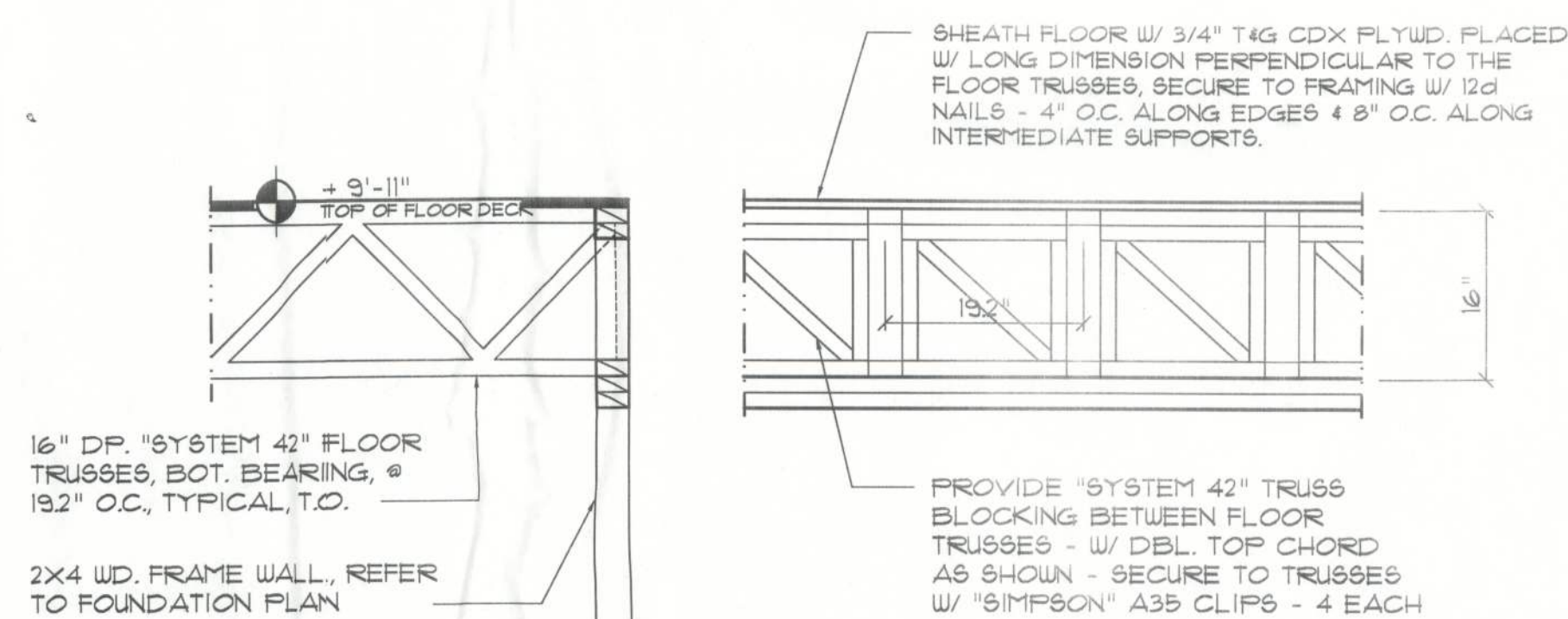
B/U Beam DETAILS

SCALE: NONE



Attic Mezz. Framing PLAN

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



Floor Truss Blocking DET.

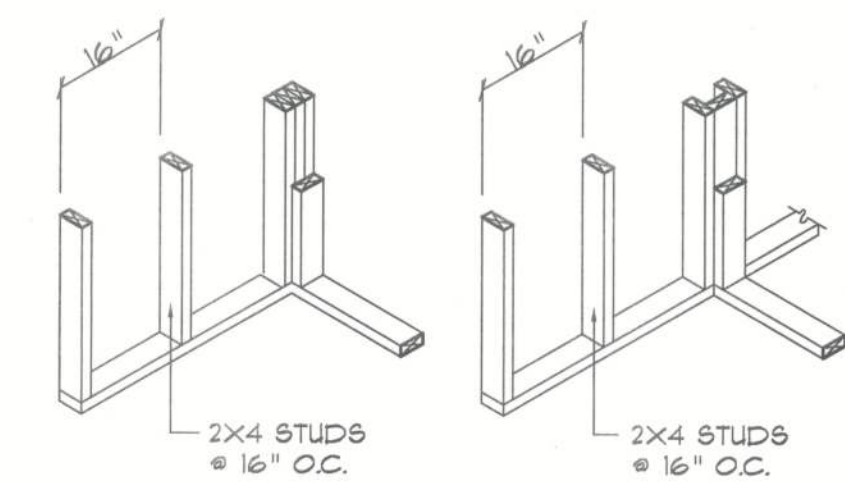
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GENERAL TRUSS NOTES:

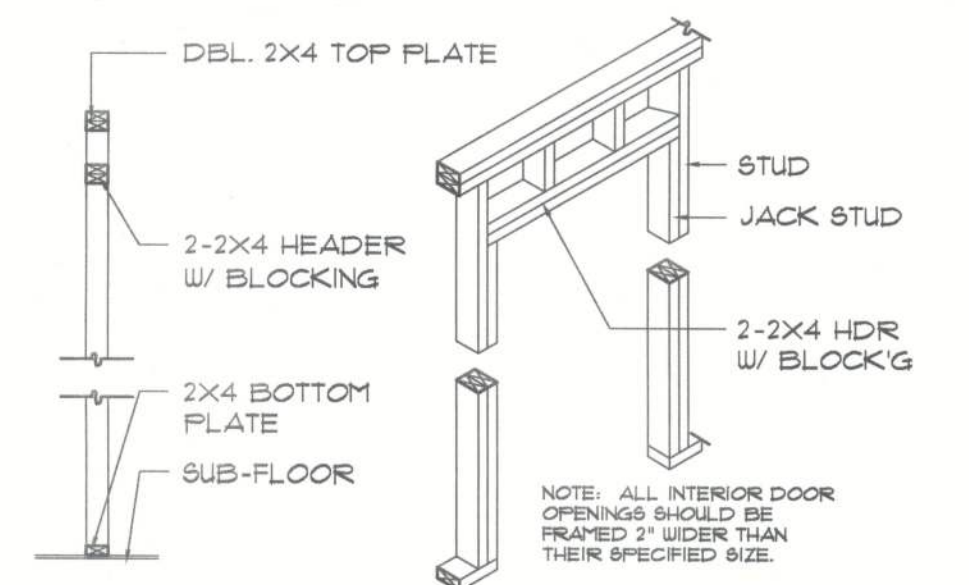
- TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE 'NATIONAL FOREST PRODUCTS ASSOCIATION' MANUAL FOR 'STRESS RATED LUMBER AND ITS CONNECTIONS', LATEST Ed. ALONG W/ THE 'TRUSS PLATE INSTITUTE' SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
- TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

CONSTRUCTION NOTES:

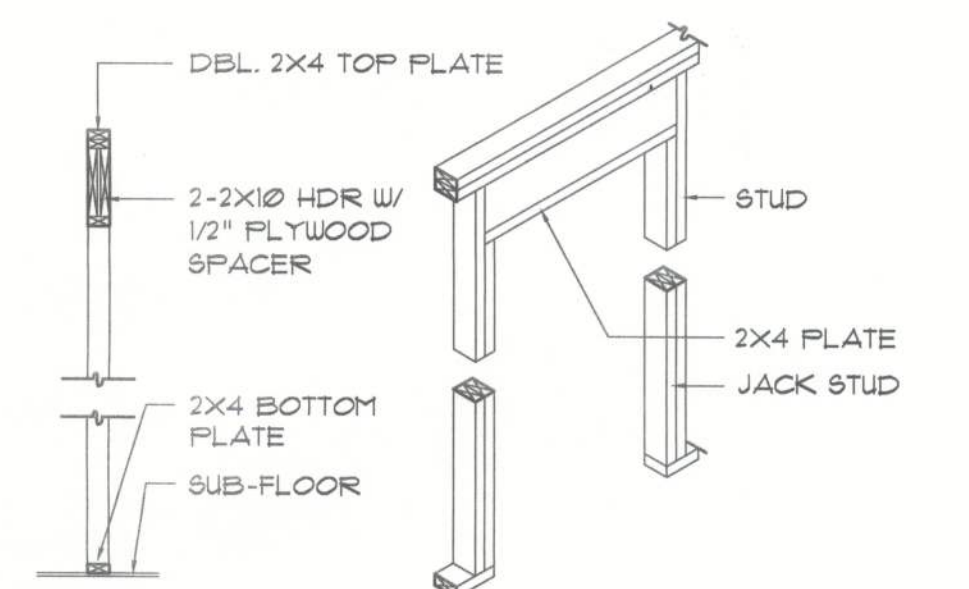
- ALL WORK TO CONFORM TO ALL LAWS, REGULATIONS AND ORDINANCES OF THE CITY, STATE, AND FEDERAL BODIES.
- ALL MATERIALS AND EQUIPMENT SHALL BE HANDLED, STORED AND INSTALLED ACCORDING TO THE MANUFACTURERS' REQUIREMENTS.
- THE SUBCONTRACTORS ARE TO PROVIDE THE OWNER WITH A WRITTEN GUARANTEE AND STATUTORY AFFIDAVIT IN THE EXACT WORDING AS PROVIDED BY THE OWNER.
- THE CONTRACTOR AGREES AND WARRANTS THAT HE HAS EXAMINED THE DRAWINGS AND SPECIFICATIONS AND FOUND THAT THEY ARE ADEQUATE FOR PROPER COMPLETION OF THE PROJECT. NO CONSIDERATION WILL BE GIVEN ANY CLAIMS BASED ON LACK OF KNOWLEDGE.



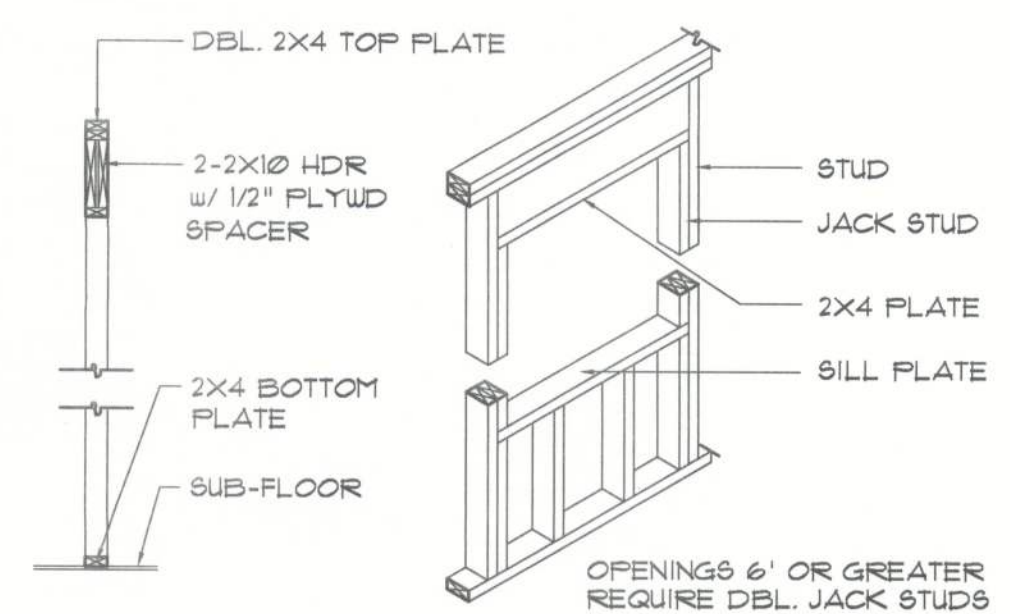
WALL CORNER WALL INTERSECTION



NON-BEARING WALL HEADER



BEARING WALL HEADER



TYPICAL WINDOW HEADER

Framing DETAILS

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

WOOD STRUCTURAL NOTES

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE 'TRUSS PLATE INSTITUTE'.
- ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE 'TRUSS PLATE INSTITUTE'.
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN #2 HEM-FIR OR BETTER.
- CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

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NEW RETAIL BUILDING for
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
ATTIC MEZZANINE PLAN & STRUCTURAL DETAILS

Celebrating
40 Years of Service
1972-2012
N.P. Geisler, Architect
AIA 0007005

**NICHOLAS
N. P. GEISLER
ARCHITECT**
N.C.A.R.B. Certificate
1758 NW Brown Rd.
Lake City, FL 33605
386-395-4325

DATE:

01 DEC 2012

COMM:

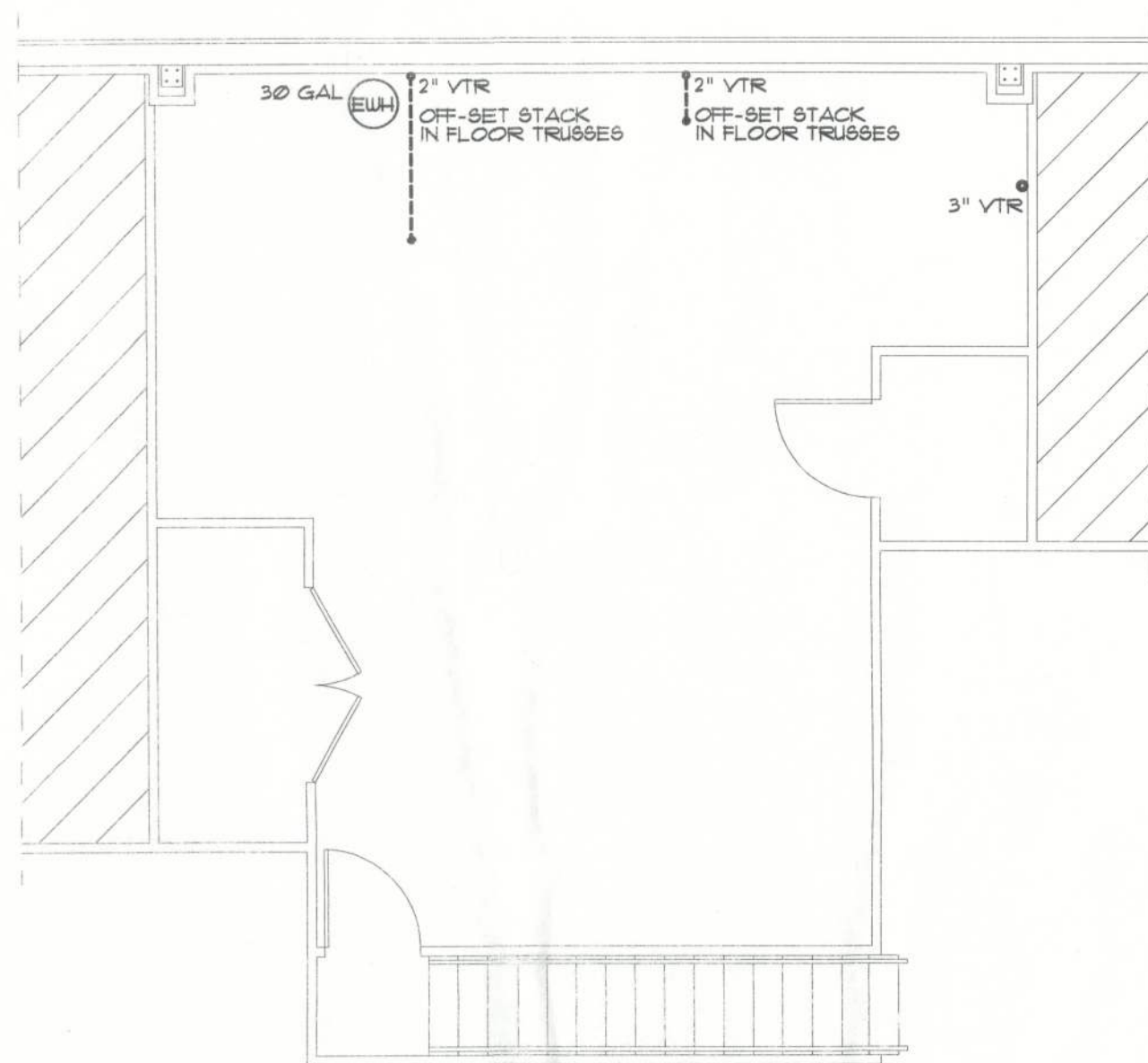
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Attic Mezzanine Plumb'g PLAN

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

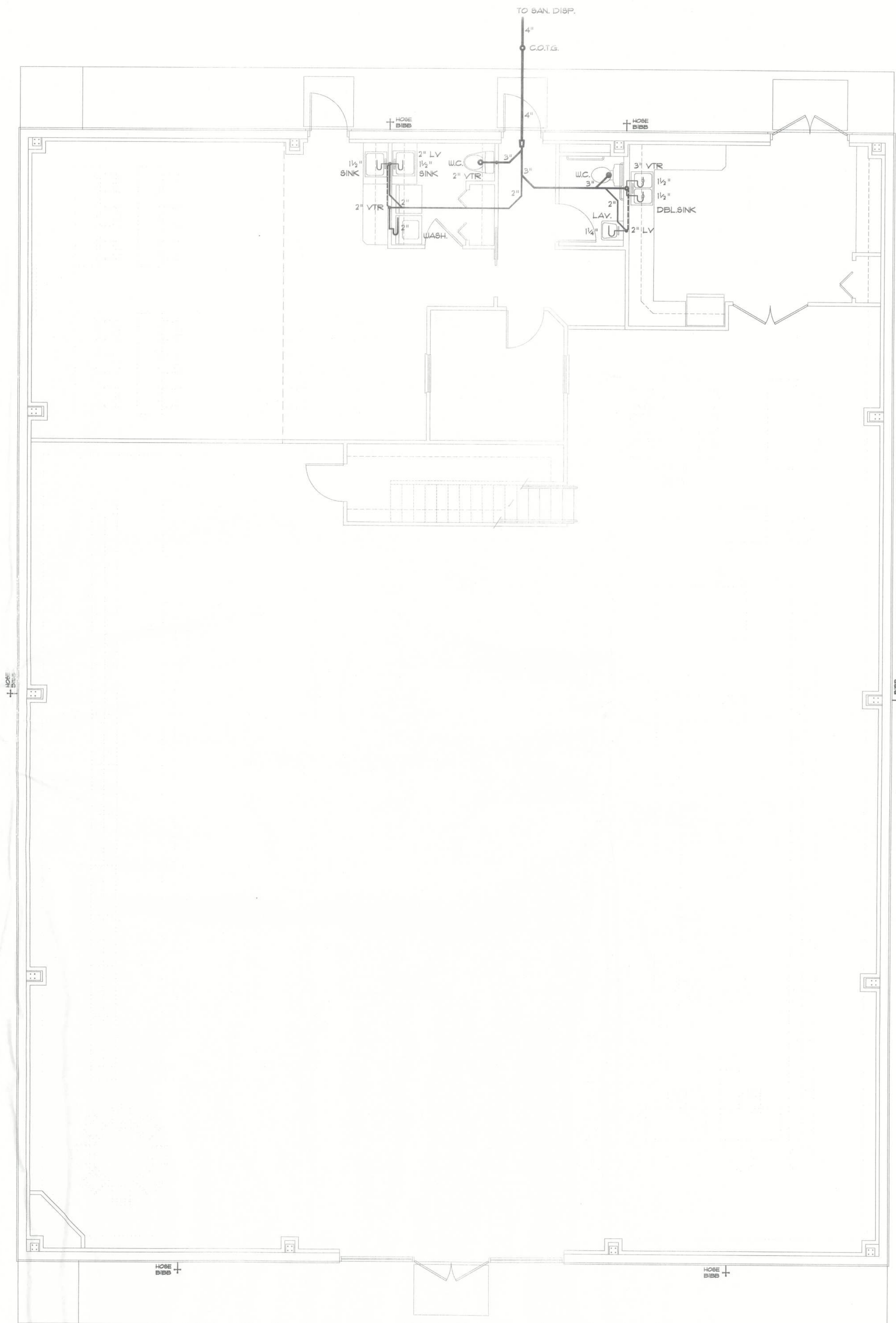
GENERAL PLUMBING NOTES:

- SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
- ALL MATERIALS SHALL BE NEW.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
- ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES.
- PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
- WATER PIPING SHALL BE TYPE L COPPER UP TO 1", & TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER. AT THE OWNER'S OPTION SUPPLY PIPING MAY BE C.P.V.C. SCHEDULE 40 OR SCHEDULE 80.
- DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
- SOIL, WASTE, VENT & RAINWATER PIPING SHALL BE CAST IRON NO-HUB 30"-12" ABOVE GRADE WITH NEOPRENE GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM JOINTS OR AT THE OWNER'S OPTION, P.V.C. SCHEDULE 40, SEE NOTE 12.
- AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.V.C. SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
- P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & ORIGINALS. P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS.
- ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS.
- FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
- DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
- ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
- PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAREST PLUMBING FIXTURE, DO NOT MANIFOLD.
- PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
- PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THE OWNER.
- FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

PLUMBING NOMENCLATURE

1/4"	PIPING SIZE
1/2"	PIPING SIZE
2"	PIPING SIZE
3"	PIPING SIZE
4"	PIPING SIZE
1 1/2" LV	1 1/2" LOOP VENT
2" LV	2" LOOP VENT
2" VTR	2" VENT THRU ROOF
3" VTR	3" VENT THRU ROOF
C.O.T.G.	CLEAN-OUT TO GRADE
C.O.	CLEAN-OUT
W.C.O.	WALL CLEAN-OUT
F.C.O.	FLOOR CLEAN-OUT
LAV.	LAVATORY
W.C.	WATER CLOSET (TOILET)
BID.	BIDET
URIN.	URINAL
TUB	BATH TUB
SHOW.	SHOWER
SINK	SINGLE BASIN SINK
DBL.SINK	DOUBLE BASIN SINK
TRI.SINK	TRIPLE BASIN SINK
BAR	BAR SINK
DWASH.	DISHWASHER
2" F.D.	2" FLOOR DRAIN
3" F.D.	3" FLOOR DRAIN
3" F.S.	3" FLOOR SINK
EWC	ELECTRIC WATER COOLER
EWL	ELECTRIC WATER HEATER
GLH	GAS WATER HEATER
TRAY	LAUNDRY TRAY (SINK)
WASH.	WASHING MACHINE
H.B.	HOSE BIBB
TO SAN. DISP.	TO SANITARY DISPOSAL

NOTE:
PROVIDE PLUMBING CLEAN-OUTS AT THE BASE OF ALL STACKS, A MAXIMUM OF 15' O.C. ALONG ALL MAIN DRAIN RUNS AND THE UP-STREAM ENDS OF MAIN DRAIN RUNS WHERE THE MAIN BUILDING DRAIN EXITS THE BUILDING AND AT 15' INTERVALS TO THE DISPOSAL SITE.



Plumbing PLAN

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

REVISION:
12 DEC 2012

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NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
PLUMBING PLAN & NOTES

Calculating
40 Years of Service
1972 - 2012
N.P. Geisler, Architect
AR0007005

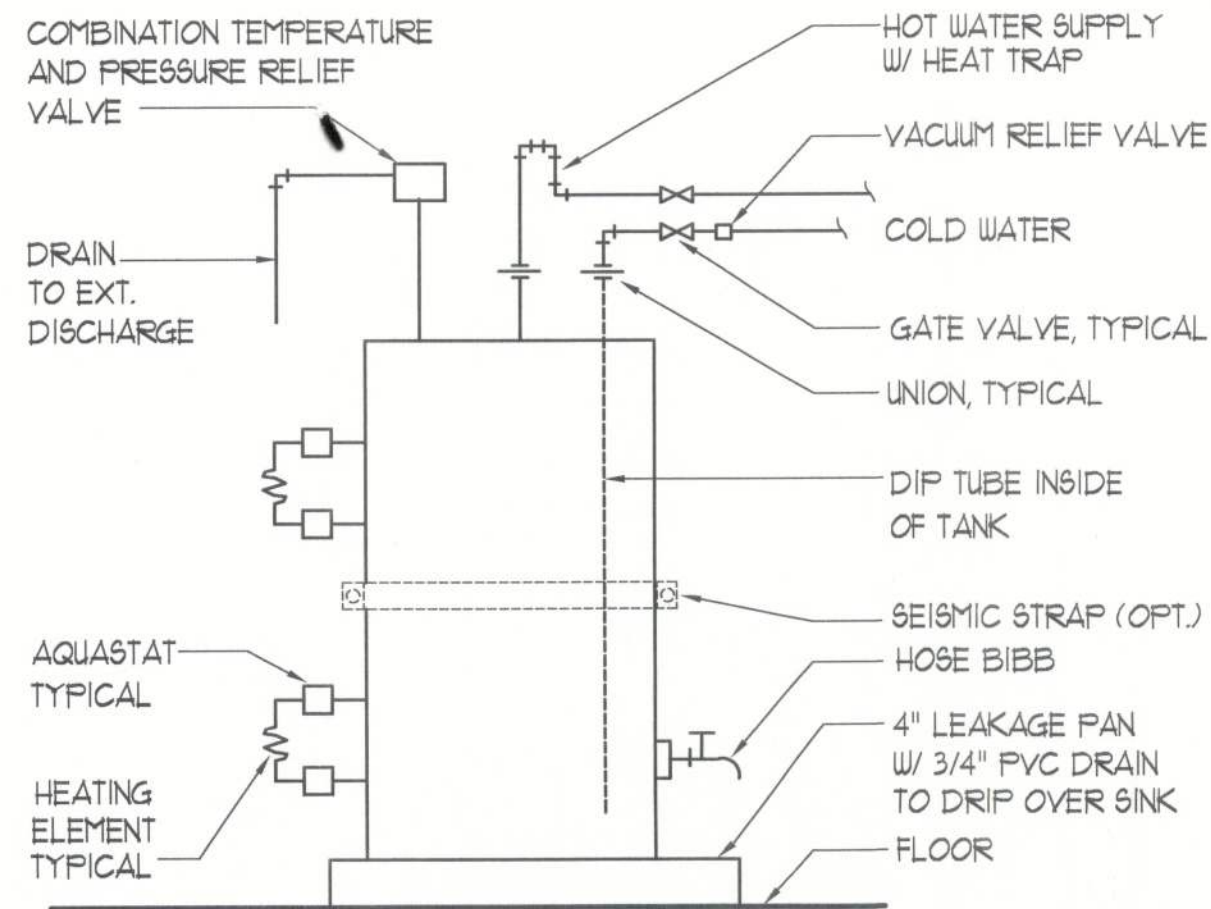
**NICHOLAS
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386-365-4355

DATE:
01 DEC 2012

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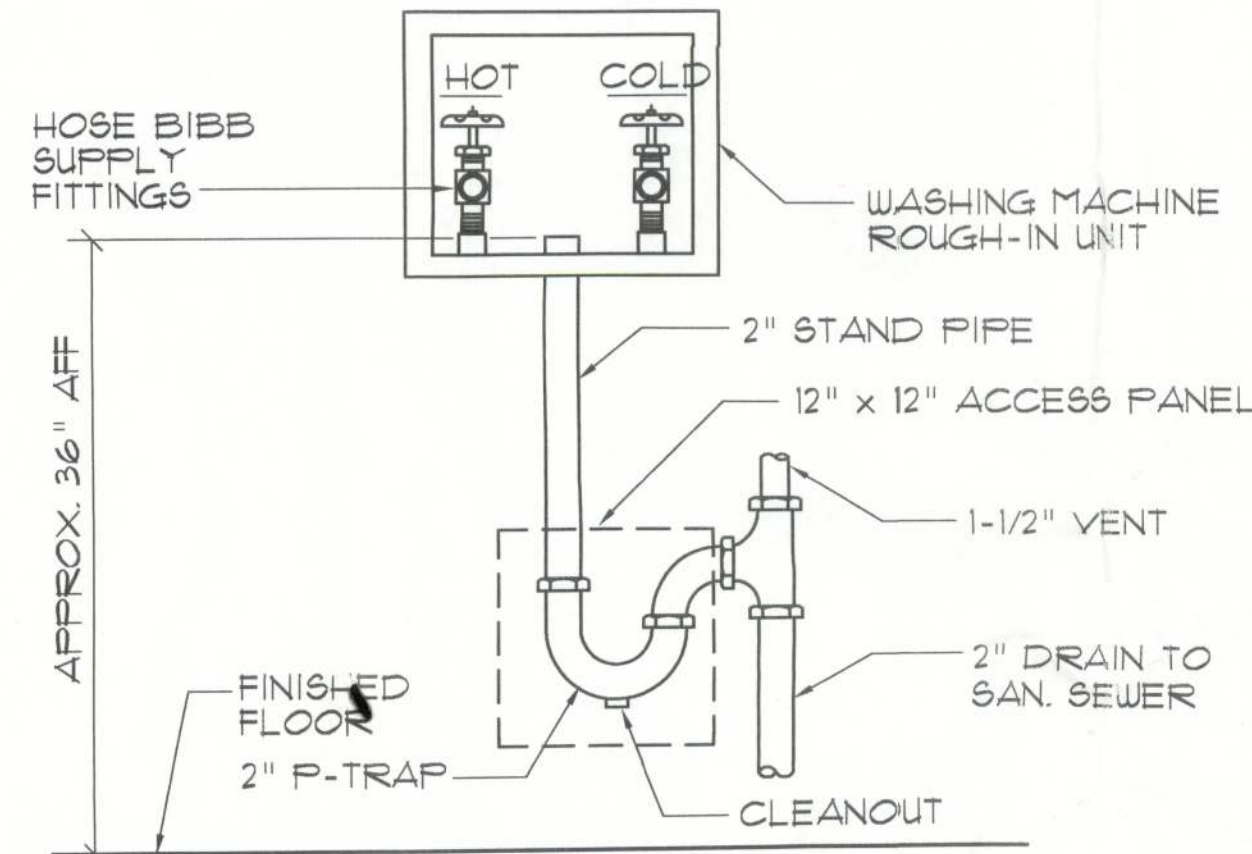
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B. Swanson
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Electric Water Heater DETAIL

SCALE: NONE

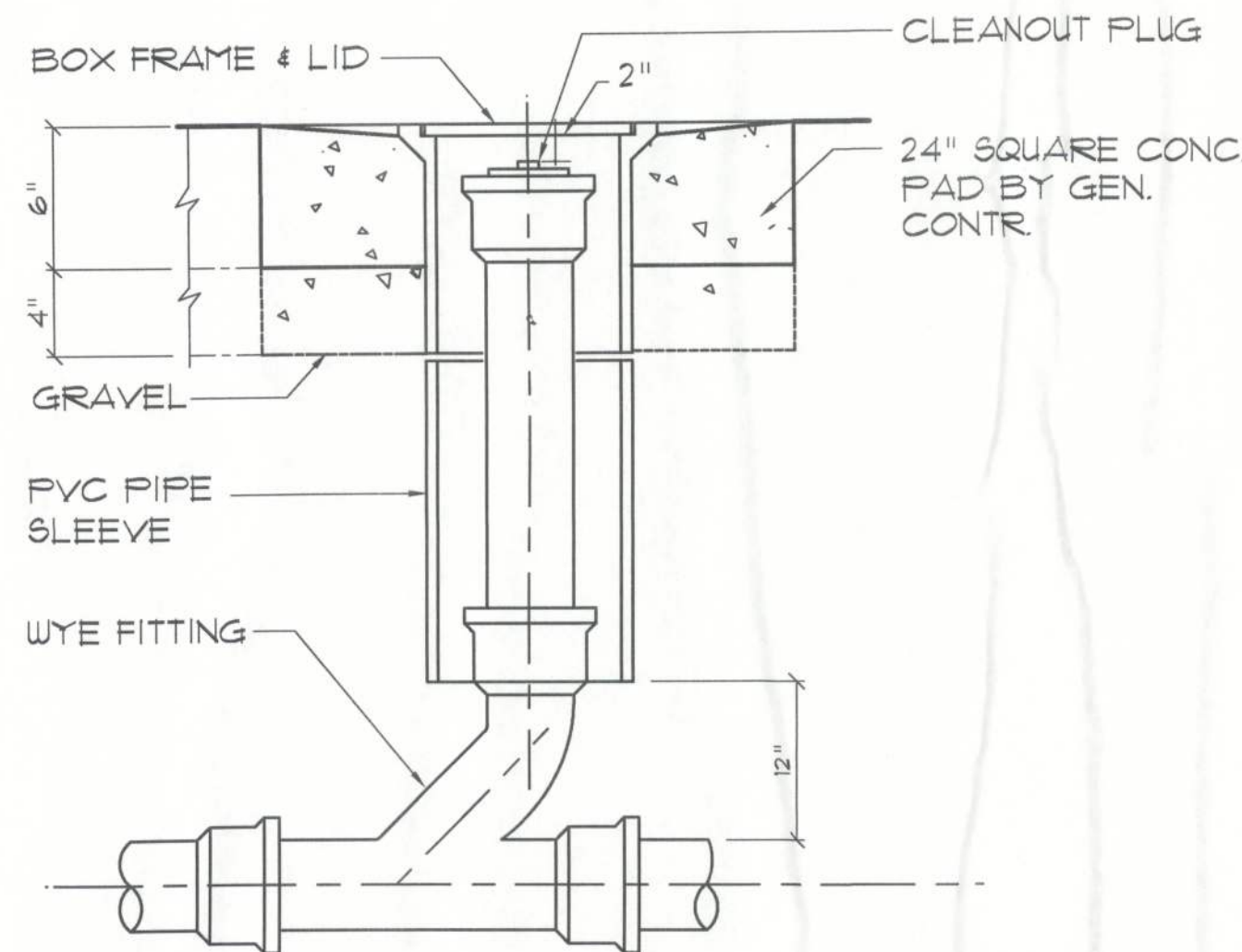
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Washing Machine Hook-up DET.

N.T.S.

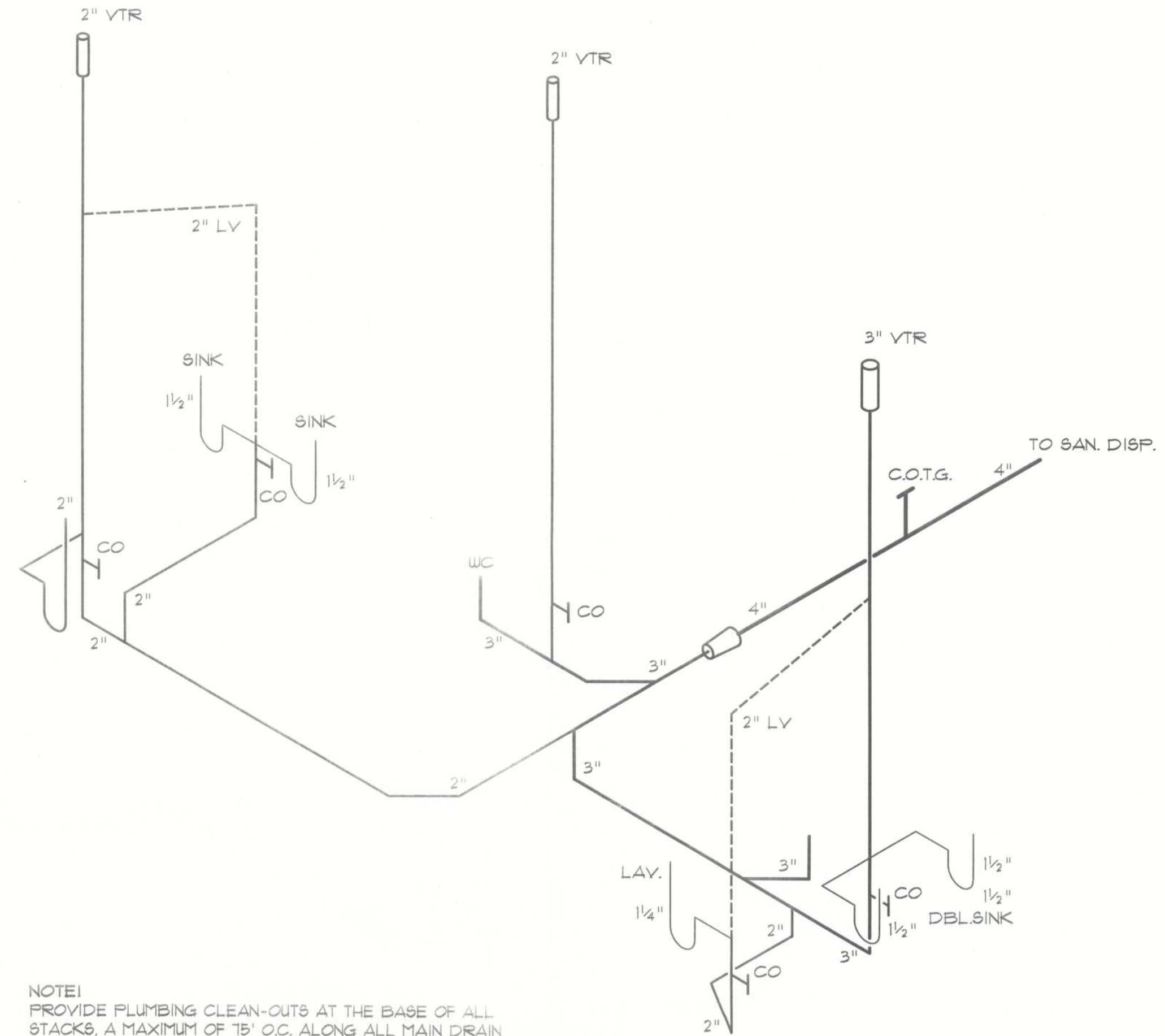
B



Outdoor Cleanout DETAIL

N.T.S.

C



NOTE:
PROVIDE PLUMBING CLEAN-OUTS AT THE BASE OF ALL STACKS, A MAXIMUM OF 15' O.C. ALONG ALL MAIN DRAIN RUNS AND THE UP-STREAM ENDS OF MAIN DRAIN RUNS WHERE THE MAIN BUILDING DRAIN EXITS THE BUILDING AND AT 15' INTERVALS TO THE DISPOSAL SITE.

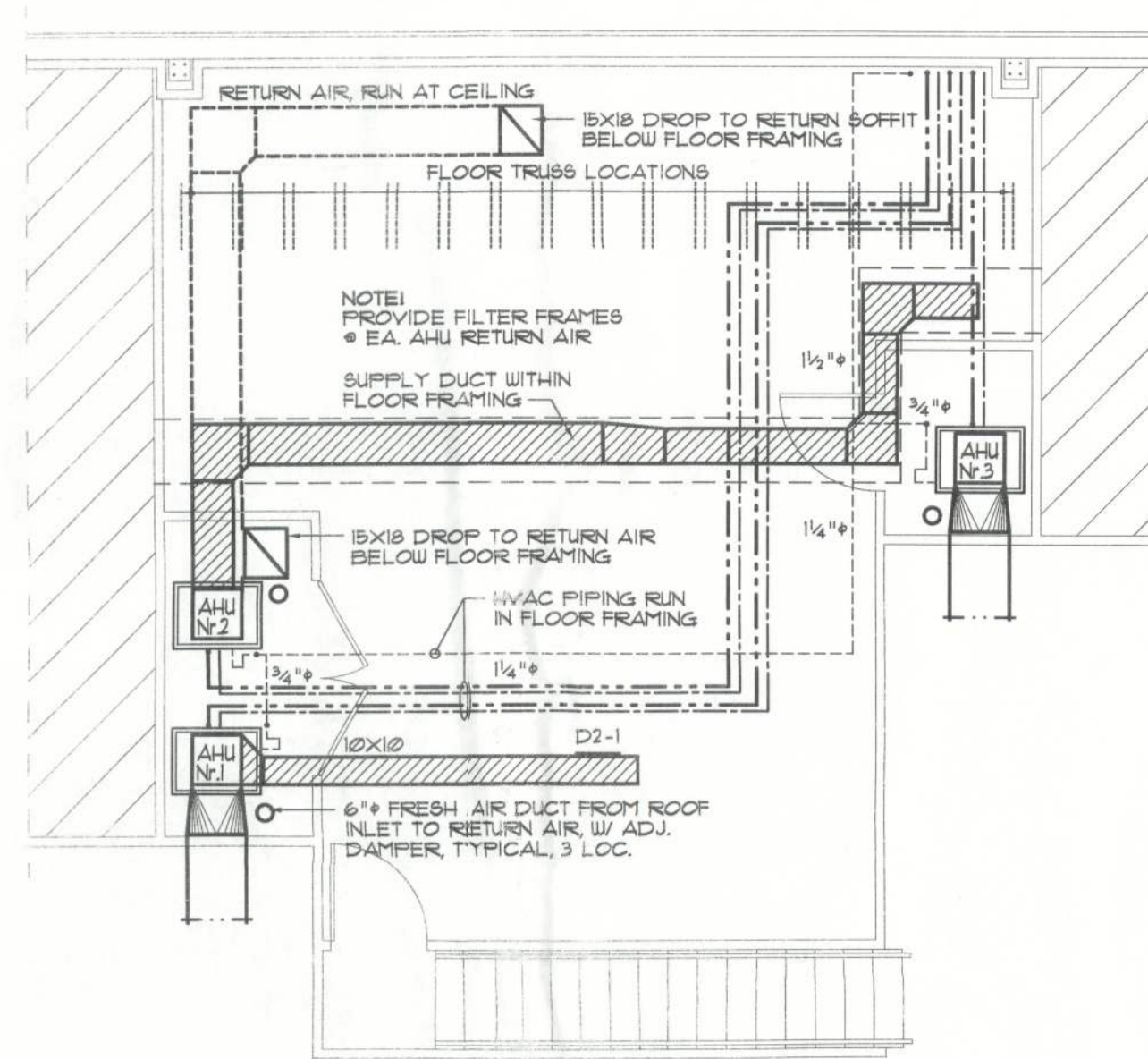
Plumbing RISER

SCALE: NONE

TOILET ROOM ACCESSORIES			
MANUF'R	ITEM	MODEL No.	COMMENTS
BRADLEY	PAPER TOWEL DISP.	2494	SURFACE MOUNTED, 48" AFF., BATTERY OPERATION
BOBRICK	HANDICAP RAILING	B-5006.93-36	PEENED GRIP SURFACES
BOBRICK	TOILET TISSUE DISP'R	B-2092	JUMBO DUAL ROLL - 30" AFF. TO TOP
BOBRICK	SOAP DISP'R	B-2111	50 1/8" AFF. TO TOP
-	MIRROR	-	WALL ABV. VANITY TO RECEIVE FULL MIRROR

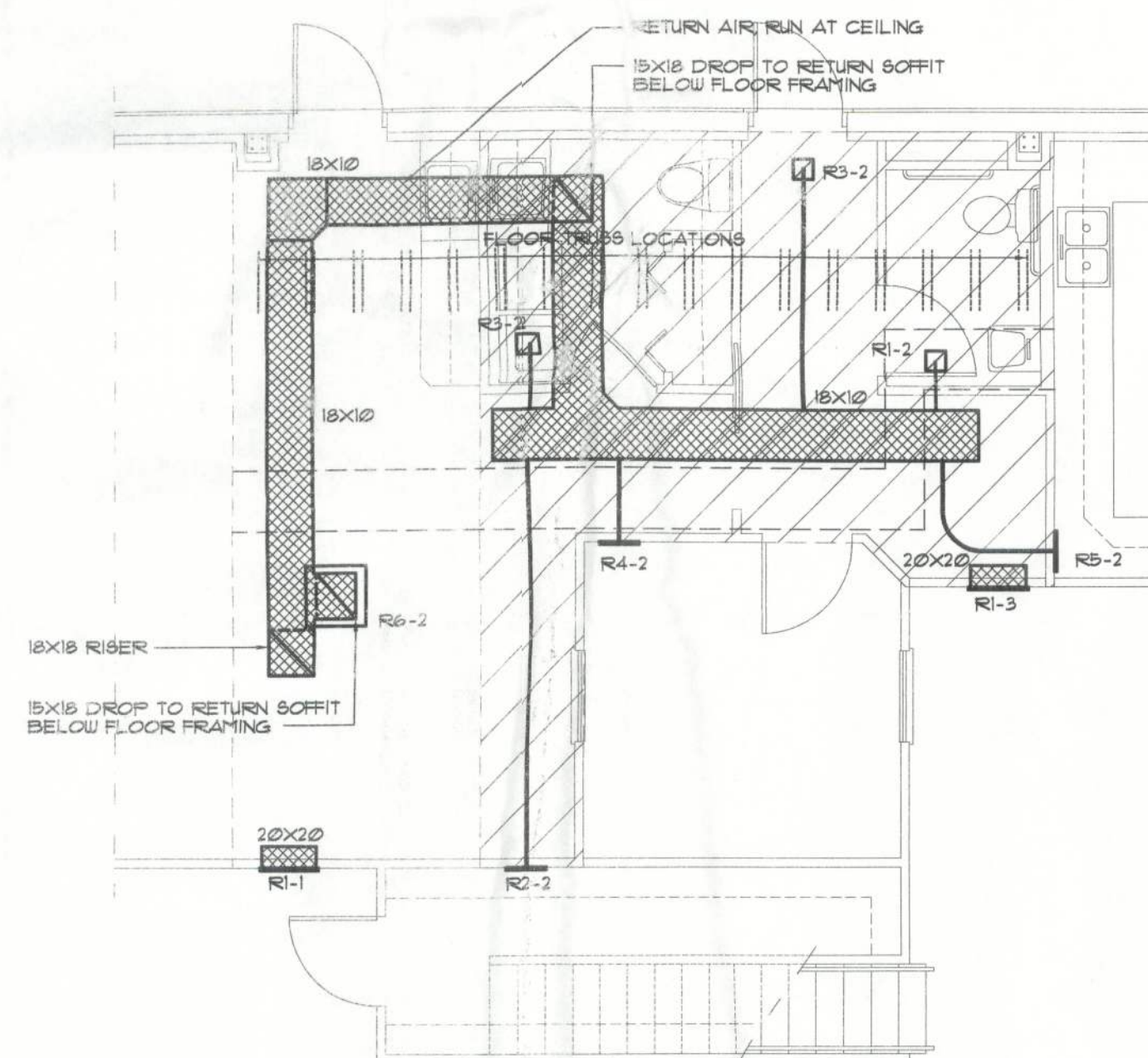
NOTE III: MANUFACTURERS LISTED ARE FOR BASIS OF COMPARISON FOR "AS EQUAL" PRODUCTS. OTHER MANUFACTURER'S PRODUCTS MAY BE SUBSTITUTED WITH ARCHITECT'S APPROVAL FOR PRODUCTS MEETING OR EXCEEDING THE SPECIFICATIONS FOR THOSE LISTED IN THE SCHEDULE, ABOVE.

BOBRICK WASHROOM ACCESSORIES
2000 COMMERCE DRIVE
CLIFFTON PARK, NY 12065-1350
518-871-7444
www.bobrick.com



Attic Mezzanine H.V.A.C. PLAN

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



Return Air H.V.A.C. PLAN

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

NOTE:
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP
DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL
DUCTWORK, LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING
REPORT - CONTR. SHALL PROVIDE 1 COPY OF AS-BUILT DWGS
TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE:
MOUNT CU & AHU ON 4" THK CONC. PAD, SIZED
TO EXTEND 4" BEYOND EQUIPMENT, ALL AROUND.
SECURE EQUIPMENT W/ 6TL. STRAPS & TEC SCREWS
* EACH CORNER
REINFC. SLAB W/ 6x6 12/12 WJM.

NOTE:
PROVIDE TURNING VANES * DUCT TURNS &
ADJ. EXTRACTORS * ALL BRANCH DUCT TAPS

NOTE:
PROVIDE A 20 GA. GALV. MTL. DRAIN PAN SIZED 4" LONGER
AND WIDER THAN AHU X 2" DP, W/ 3/4" PVC DRAIN TO DRIP
OVER THE RESTROOM LAVATORY.

SUPPLY AIR DIFFUSER SCH. SYS. 1

NO.	SIZE	CFM	DUCT	TYPE	LOCATION
D1-1	8X12	180	-	CBOS 2W	FACE OF DUCT
D2-1	8X12	200	-	CBOS 2W	FACE OF DUCT

RETURN AIR GRILLE SCH. SYS. 1

NO.	SIZE	CFM	DUCT	TYPE	LOCATION
RE-1	24X24	2000	18X18	LOUVER	WALL

SUPPLY AIR DIFFUSER SCH. SYS. 2

NO.	SIZE	CFM	DUCT	TYPE	LOCATION
D1-2	8X16	300	10"ø	CBOS 2W	WALL
D2-2	12X12	50	6"ø	CBOS 4W	CEILING
D3-2	6X8	100	6"ø	CBOS 2W	CEILING
D4-2	6X8	15	5"ø	CBOS 1W	CEILING

RETURN AIR GRILLE SCH. SYS. 2

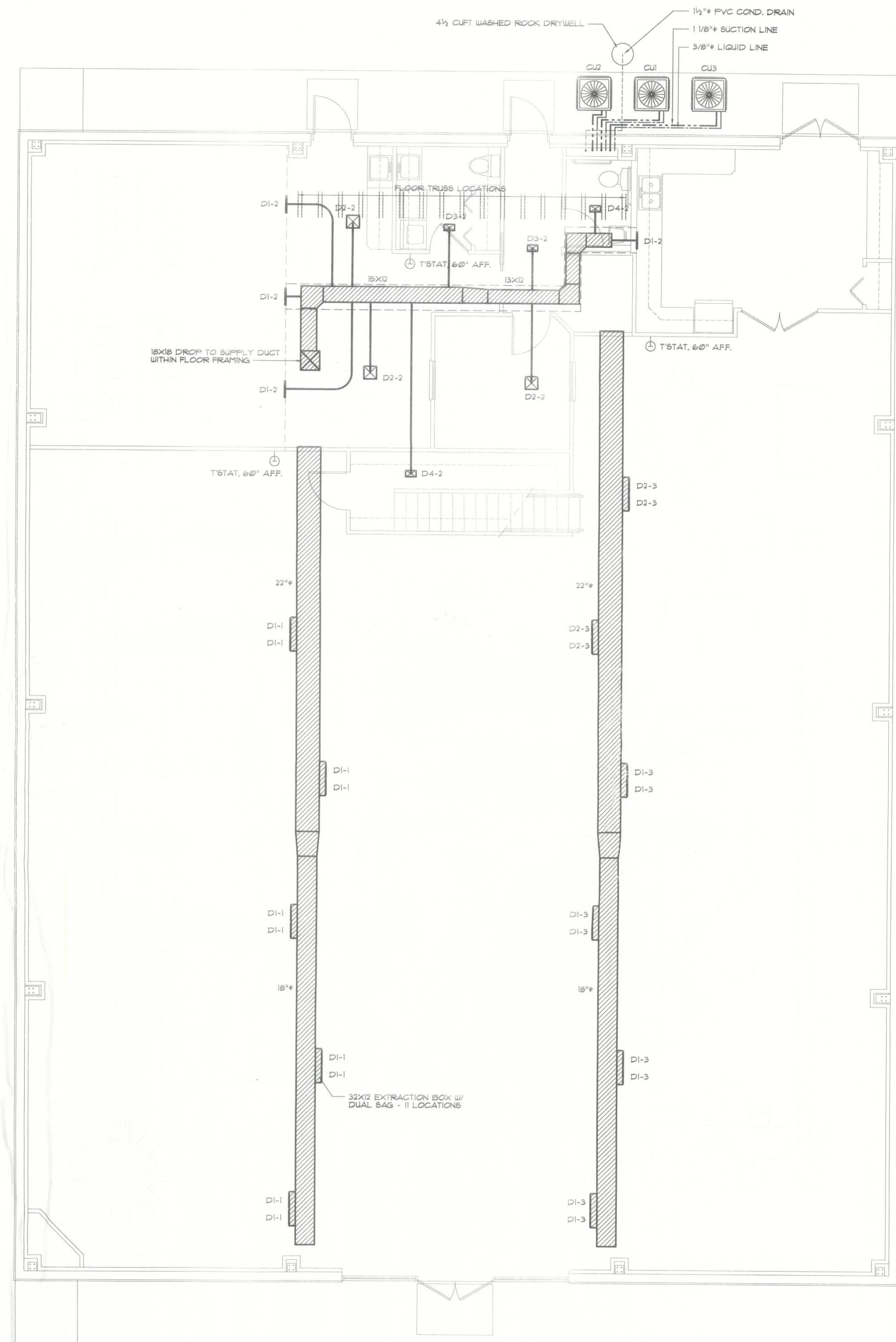
NO.	SIZE	CFM	DUCT	TYPE	LOCATION
RE-2	8X8	15	6"ø	1/2" GRID	CEILING
RE-3	6X12	15	6"ø	LOUVER	WALL
RE-4	8X8	100	7"ø	1/2" GRID	CEILING
RE-5	8X14	150	8"ø	LOUVER	WALL
RE-6	12X16	300	10"ø	LOUVER	WALL
RE-7	24X24	1200	18X18	1/2" GRID	CEILING

SUPPLY AIR DIFFUSER SCH. SYS. 3

NO.	SIZE	CFM	DUCT	TYPE	LOCATION
D1-3	8X12	180	-	CBOS 2W	FACE OF DUCT
D2-3	8X12	140	-	CBOS 2W	FACE OF DUCT

RETURN AIR GRILLE SCH. SYS. 3

NO.	SIZE	CFM	DUCT	TYPE	LOCATION
RE-1	24X24	2000	18X18	LOUVER	WALL



H.V.A.C. PLAN

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

REVISION:
12 DEC 2012

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mg

NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
HVAC PLANS & SCHEDULES

Celebrating
40 Years of Service
1972 - 2012
N.P. Geisler, Architect
ARCHITECT

**NICHOLAS
PAUL
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ARCHITECT
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1758 NW Brown Rd.
Lake City, FL 32055
386-385-4355

DATE:
07 DEC 2012

COMM:
2K1283

SHEET:

M.I.
1 OF 2

AR0007005

EQUIPMENT SPECIFICATION:											
SYS.	TOTAL COOL	SENSIBLE	HEATING	SEER	HSPF	EER	KW	CFM	VOLTAGE	LIQUID	SUCTION
1-3	60000 BTU	45100 BTU	41°F DB = 60000 BTU 17°F DB = 32000 BTU	15.00	8.00	3.0"	5.37	1080	240V - 1φ	3/8"φ	1 1/8"φ

EQUIPMENT BY LISTED MFG'RS MEETING OR EXCEEDING THESE PERFORMANCE RATINGS ARE APPROVED, AS EQUAL

A. RHEEM / RUUD
B. CARRIER
C. TRANE
D. YORK
E. LENNOX
F. BRYANT

H.V.A.C. Equipment SCHEDULE

SCALE: NONE

EQUIPMENT REQUIREMENTS

SYSTEM DISCRPTION:

HVAC SYSTEM SHALL BE A SPLIT SYSTEM, WITH AN O/S CONDENSING UNIT AND I/S AIR HANDLERS. THE SYSTEM SHALL BE A HEAT PUMP CONFIGURATION. CONDENSING UNITS AND AIR HANDLERS SHALL BE 2 SPEED TYPE W/ THERMOSTAT AND HUMIDISTAT CONTROL W/ MIN. 4 MODES OF OPERATION, IE: LOW/LOW, LOW/HIGH, HIGH/HIGH & HIGH/LOW FOR BOTH COOLING & HEATING

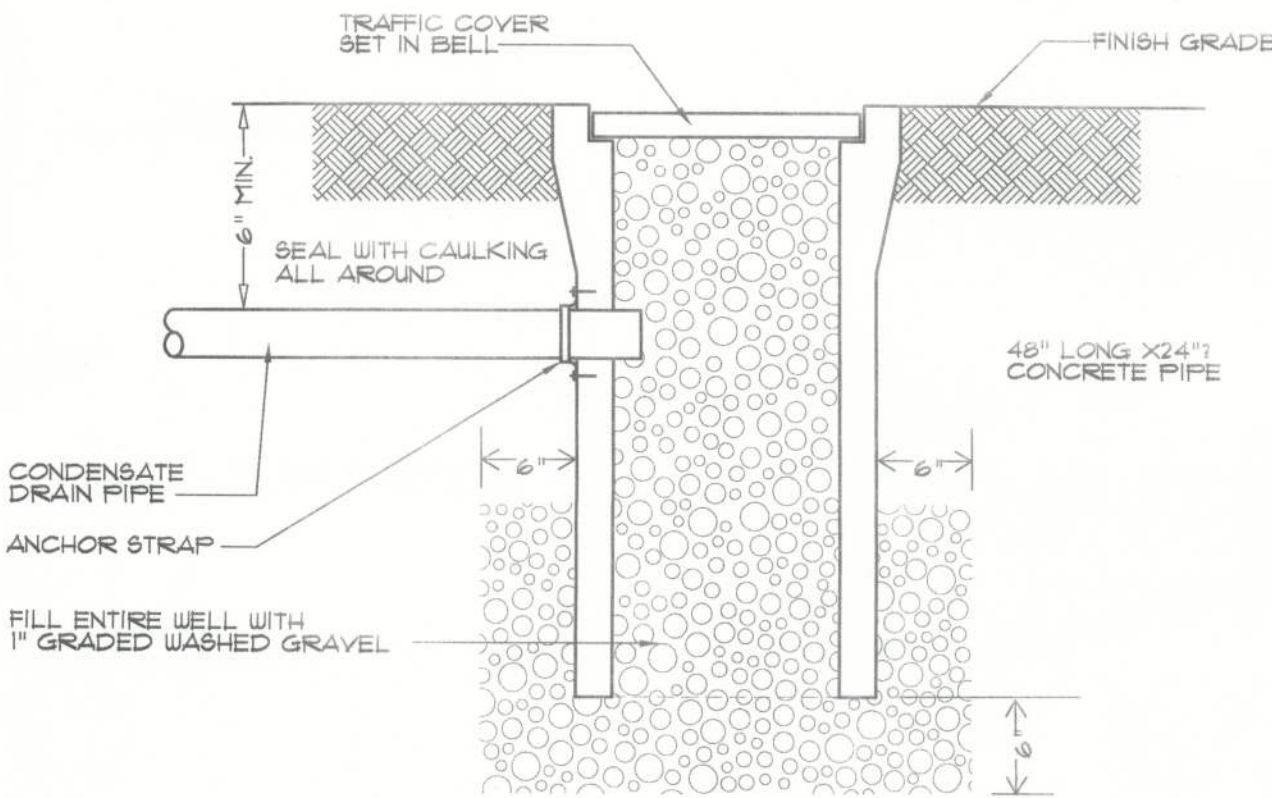
NOTE: ELECTRICAL REQUIREMENTS, WIRING, RIGES, STARTERS AND CONTROLS SHALL BE AS REQUIRED BY THE MANUFACTURER FOR A COMPLETE & OPERATING SYSTEM. ACCESSORY ITEMS, IE: DRIERS, RECEIVERS, MOUNTING EQUIPMENT AND THE LIKE SHALL BE PART OF THE SYSTEM AS REQUIRED.

SUPPLY DIFFUSERS / RETURN GRILLES

- AIR DEVICES SHALL BE CONSTRUCTED OF ANODIZED ALUM. FOR ALL WALL AND CEILING LOCATIONS.
- DIFUSERS SHALL HAVE OFFERABLE DAMPERS W/ CURVED BLADE ADJUSTABLE VANES IN ALL WALL & CEILING APPLICATIONS, AND OPPOSED BLADE DAMPERS IN FLOOR LOCATIONS.
- RETURN AIR GRILLES SHALL BE CONSTRUCTED OF ANODIZED ALUM. FOR ALL WALL & CLG. LOCATIONS.
- RETURN AIR GRILLES SHALL HAVE AN OFFERABLE FACE W/ A FILTER HOLDER INCLUDED.

DUCTWORK

- DUCTWORK SHALL BE R42 FOIL FACED RIGID FIBERGLASS OR R6.0 FOIL FACED RIGID FIBERGLASS IN ATTIC AREAS, FOR ALL MAIN TRUNK LINES W/ FOIL FACED FLEX DUCT FOR ALL BRANCH DROPS.
- ALL TURNING VANES, EXTRACTORS AND DAMPERS SHALL BE INCLUDED AND SHALL BE FABRICATED FROM GALV. SHEET METAL.
- ALL JOINTS IN DUCTWORK SHALL BE LAP SPliced IN THE DIRECTION OF FLOW AND SEALED W/ FOIL FACED DUCT TAPE.

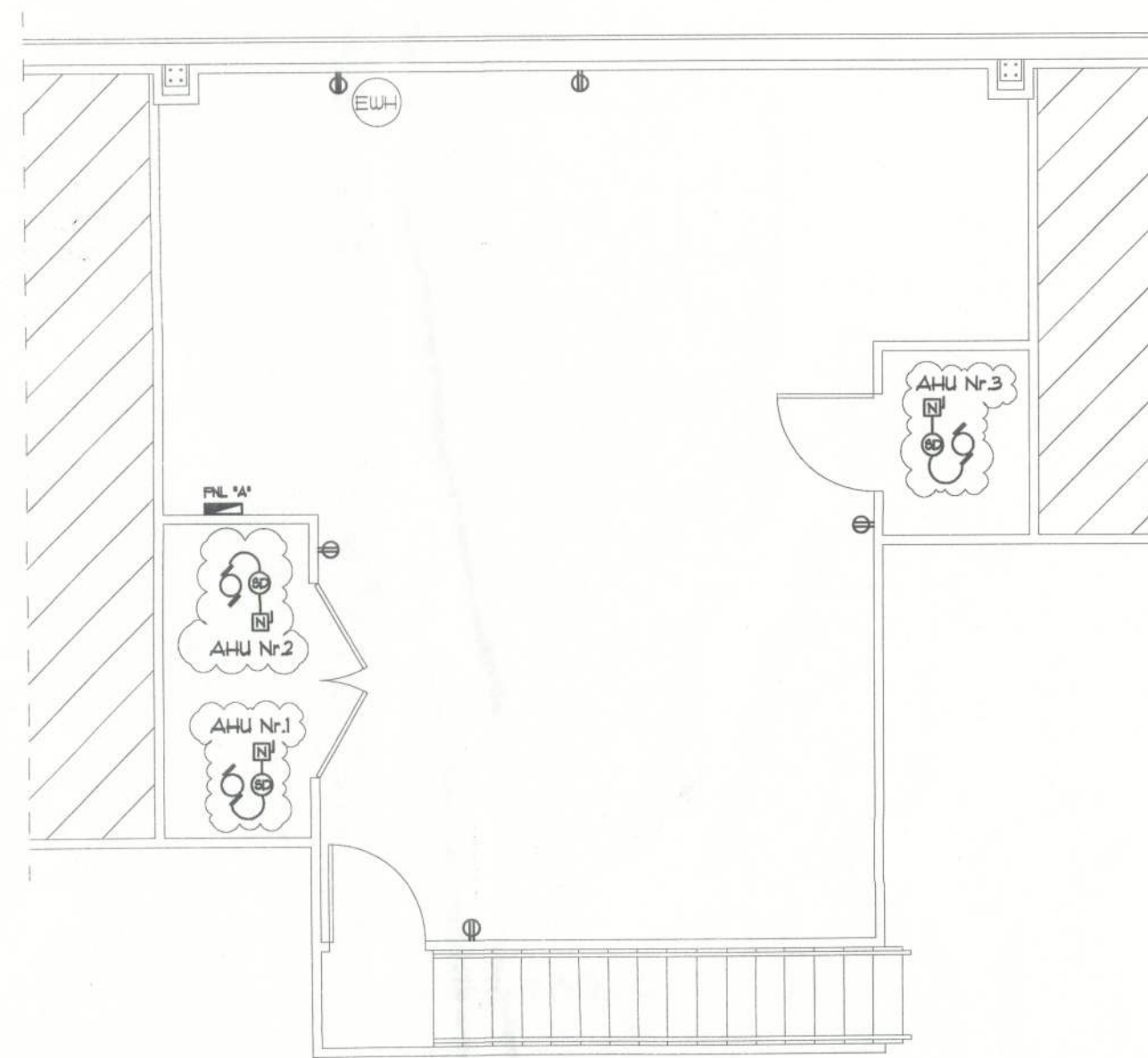


Drywell DETAIL

SCALE: NONE

GENERAL H.V.A.C. NOTES:

- SUB-CONTRACTORS PROVIDING HVAC INSTALLATION SHALL BE SUB-JECT TO THE PROVISIONS OF NOTES 1 THRU 6, GENERAL NOTES/D.1a.
- HVAC SUB-CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE & OPERATING HVAC SYSTEM.
- HVAC SYSTEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OR SHALL BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HVAC SUB-CONTRACTOR.
- HVAC SUB-CONTRACTOR SHALL FURNISH SHOP DWGS FOR DUCTWORK, CONDENSING UNIT & AIR HANDLER, EXHAUST FANS AND AIR DEVICES.
- IT IS THE HVAC SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
- FLEXIBLE DUCT SHALL BE FULLY ANNEALED, CORRUGATED ALUM- INUM W/ 1 3/4 LB. DENSITY FIBERGLASS INSULATION AND SHALL BE U.L. LISTED. SHEET METAL DUCT SHALL BE LINED W/ 1" MATFACED DUCT LINER & WRAPPED W/ 1 3/4 LB. FOILFACED FIBERGLASS INSULATION. ALL FIBERGLASS DUCT SHALL BE FOILFACED, R42/R6.0 DUCTBOARD.
- ALL EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA AND SMACNA STANDARDS.
- ALL AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL AND CEILING APPLICATIONS AND STEEL CONSTRUCTION IN FLOOR APPLICATIONS. ACCEPTABLE MANUFACTURERS SHALL BE TITUS, METALAIR, NAILORHART, HART & COOLIE OR AS DIRECTED BY THE OWNER.
- IF REQUIRED BY THE OWNER, THE HVAC SUB-CONTRACTOR SHALL SUPPLY A TEST AND BALANCE REPORT IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS, SIGN AND SEALED BY A REGISTERED ENGINEER.
- HVAC SUB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PRO-VIDE ALL SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL BE APPROVED BY THE EQUIPMENT MFG'R.
- ALL DUCT SIZES INDICATED IN THE PLANS (IF INCLUDED) ARE NET INSIDE DIMENSIONS.
- ALL EQUIPMENT SHALL BE FULLY WARRANTED FOR 1 YEAR AND THE COMPRESSOR(S) SHALL BE WARRANTED 5 YEARS FROM DATE OF FINAL ACCEPTANCE, BY THE OWNER.
- ALL WORK IN THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES SO AS TO AVOID CONFLICTS OR HINDERANCE TO COMPLETION OF THE JOB.
- CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INSULATION.
- FILTERS SHALL BE DISPOSABLE TYPE AND HAVE INITIAL SHARE WEIGHT ARRESTANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.15. PROVIDE 2 SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AT FINAL ACCEPTANCE.
- HVAC SUB-CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY OFFSETS, TRANSITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- IT IS THE RESPONSIBILITY OF THE HVAC SUB-CONTRACTOR TO CO-ORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
- COORDINATE W/ THE ELECTRICIAN, PARTICULARLY ELECTRICAL NOTE N. 29, TO ASSURE SUITABLE SIZES OF BREAKERS, SWITCHES AND WIRING.



Attic Mezzanine Power PLAN

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

Electrical SYMBOLS

POWER

- ⊕ DUPLEX WALL RECEPTACLE
- ⊕ 240V OUTLET
- ⊕ GND FAULT INTERRUPTER DUPLEX RECEPT.
- ⊕ WEATHER PROOF GFI DUPLEX RECEPT.
- ⊕ QUAD. WALL RECEPT. W/ BURGE PROTECTION
- ⊕ DUPLEX FLOOR RECEPTACLE
- ⊕ JUNCTION BOX (SIGNAGE)
- ⊕ MOTOR (CU AND/OR AHU)
- ⊕ ELECTRICAL PANEL
- ⊕ ELECTRICAL SERVICE ENTRANCE
- ⊕ EXHAUST FAN
- ⊕ NON-FUSED DISC. SWITCH
- ⊕ W/F NON-FUSED DISC. SWITCH

NOTE:
ALL WALL O/S RECEPTABLES SHALL BE ENCLOSED
IN LOCKABLE WEATHERPROOF BOXES

NOTE:
ALL AHU SHALL BE EQUIPPED W/ R/A DUCT SMOKE
DETECTORS, ACTIVATION OF SAME SHALL CAUSE THE
AHU TO SHUT-DOWN

PNL "P": 200A - MLO - 120/240V - 1φ - 4W 10K A.I.C. - FLUSH - 40 SLOT											
CIR. N°	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	L1 KW	L2 KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR. N°
1	WALL RECP. SALES	20A/1P	12TW	126	2.16		0.30	12TW	20A/1P	FL RECP. SALES	2
9	"	"	"	126		2.34	1.00	"	"	"	4
9	WALL RECP. SEWING	"	"	144	2.52		1.00	"	"	"	6
11	WALL RECP. OFFICE	"	"	0.12		1.62	0.30	"	"	"	8
11	SHOW WIN. RECP.	"	"	144	2.34		0.30	"	"	FL RECP. SEWING	10
13	SPARE	"	"	126		2.16	1.00	"	"	"	12
13	INT. GFI RECP.	"	"	108	1.44		0.36	"	"	FL RECP. RECEIVING	14
15	EXT. GFI RECP.	"	"	0.30		1.62	0.12	"	"	FL RECP. CASH REG.	16
15	MEZZANINE RECP.	"	"	0.12	2.22		1.50	"	"	WASHER	18
15	DRYER	30A/2P	10TW	230		3.58	1.00	"	"	SPARE	20
21	W/ CIR. N° 18	"	"	230	3.58		1.00	"	"	"	22
23	EWH. 30 G. LO-BY	30A/2P	"	150	2.58	2.58	1.00	"	"	"	24
23	W/ CIR. N° 23	"	"	150	2.58		1.00	"	"	"	26
23	SPARE	"	"	108		2.16	1.00	"	"	"	28
31	"	"	"	0.00	0.00		0.00	"	"	SPACE	30
31	"	"	"	0.00	0.00	0.00	0.00	"	"	"	32
33	"	"	"	0.00	0.00		0.00	"	"	"	34
35	"	"	"	0.00	0.00	0.00	0.00	"	"	"	36
37	"	"	"	0.00	0.00		0.00	"	"	"	38
39	"	"	"	0.00	0.00		0.00	"	"	"	40
L1 16.84 KW / 120 V = 140.3 AMPERS					16.84	16.26					
L2 16.26 KW / 120 V = 133.8 AMPERS											
FEEDER SIZE: 2 * 1/0 - THW - Cu, 1 * 1 - THW - Cu - Neut. 1 * 6 - Cu - GND, 1/2" C.											

PNL "A": 200A - MLO - 120/240V - 1φ - 4W 10K A.I.C. - FLUSH - 40 SLOT																
CIR N°	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	L1 KW	L2 KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR N°					
1	CUI	50A/2P	6TW	(2.88)	5.40		5.40	4TW	60A/2P	AHU1	2					
3	W/ CIR N°1	"	"	(2.88)	5.40	5.40	5.40	"	"	W/ CIR N°2	4					
5	CUI	50A/2P	"	(2.88)	5.40		5.40	"	60A/2P	AHU2	6					
7	W/ CIR N°5	"	"	(2.88)	5.40	5.40	5.40	"	"	W/ CIR N°6	8					
9	CUI	50A/2P	"	(2.88)	5.40		5.40	"	60A/2P	AHU3	10					
11	W/ CIR N°9	"	"	(2.88)	5.40	5.40	5.40	"	"	W/ CIR N°10	12					
13	SPACE	"	"	2.16	4.32		2.16	"	"	SPACE	14					
15	"	"	"	2.16	4.32	2.16	2.16	"	"	"	16					
17	SPACE	"	"	0.00	0.00		0.00	"	"	SPACE	18					
19	"	"	"	0.00	0.00	0.00	0.00	"	"	"	20					
21	"	"	"	0.00	0.00	0.00	0.00	"	"	"	22					
23	"	"	"	0.00	0.00	0.00	0.00	"	"	"	24					
25	"	"	"	0.00	0.00	0.00	0.00	"	"	"	26					
27	"	"	"	0.00	0.00	0.00	0.00	"	"	"	28					
29	"	"	"	0.00	0.00	0.00	0.00	"	"	"	30					
31	"	"	"	0.00	0.00	0.00	0.00	"	"	"	32					
33	"	"	"	0.00	0.00	0.00	0.00	"	"	"	34					
35	"	"	"	0.00	0.00	0.00	0.00	"	"	"	36					
37	"	"	"	0.00	0.00	0.00	0.00	"	"	"	38					
39	"	"	"	0.00	0.00	0.00	0.00	"	"	"	40					
L1 20.52 KW / 120 V = 171.0 AMPERS					20.52	20.52										
L2 20.52 KW / 120 V = 171.0 AMPERS																
FEEDER SIZE: 3 * 3/0 - THW - Cu, 1 * 2/0 - THW - Cu - Neut. 1 * 4 - Cu - GND, 2" C.																

Power PLAN

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

NOTE:
TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE
DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S
DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE
SECTIONS OF NEC-LATEST EDITION.

REVISION:

12 DEC 2012
17 DEC 2012
24 DEC 2012

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NEW RETAIL BUILDING for:
FABRIC ART SHOP / B. SWANSON
LAKE CITY, FLORIDA
ELECTRICAL POWER PLAN & PANELS

Celebrating
40 Years of Service
1972 - 2012
N.P. Geisler, Architect
ARCHITECTS

NICHOLAS PAUL GEISLER ARCHITECT
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Lake City, FL 32055
386-385-0355

DATE:

07 DEC 2012

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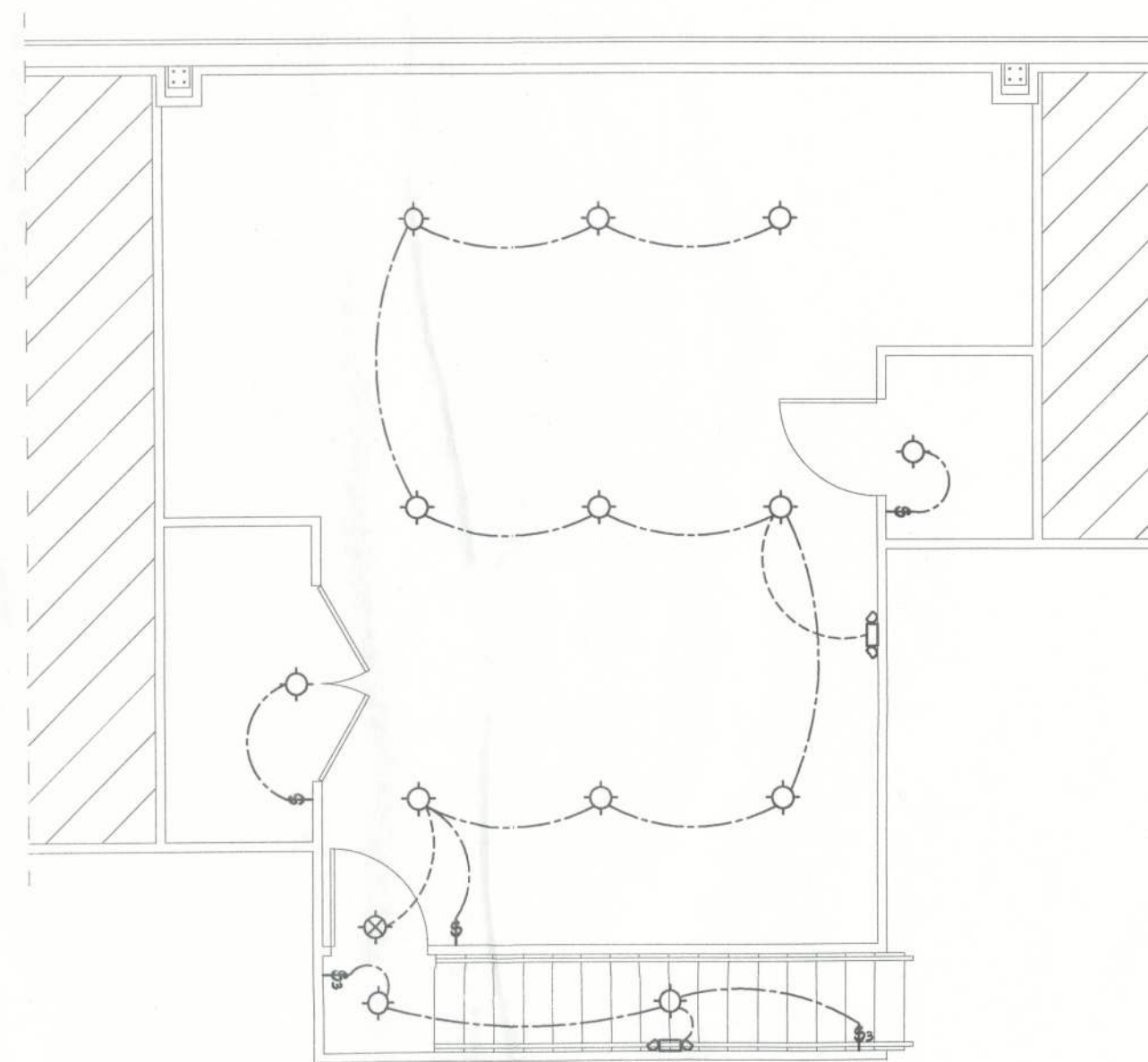
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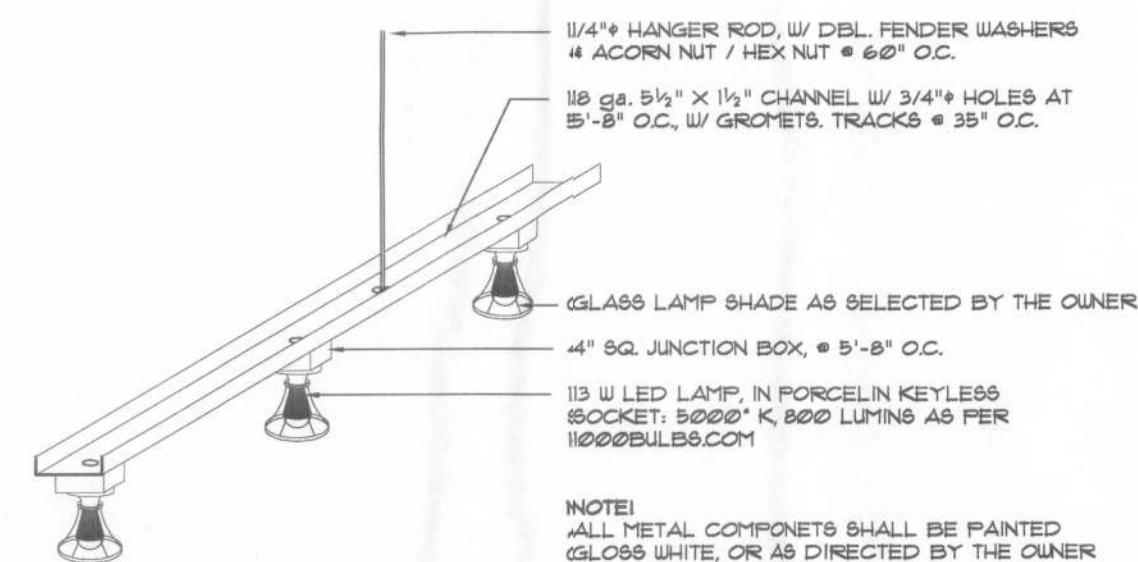
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Attic Mezzanine Lighting PLAN

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

FNL "L": 100A - MLO - 120/240V - 10 - 4W 10K ALC - FLUSH - 40 BLOT											
CIR. N°	LOCATION	TRIP/ POLES	WIRE SIZE	LOAD	L1 KW	L2 KW	LOAD	WIRE SIZE	TRIP/ POLES	LOCATION	CIR. N°
1	LED LTG, SALES	20A/1P	12TW	0.61	1.08	0.55	0.23	12TW	20A/1P	LED LTG, SEWING	2
3	"	"	"	0.62	0.87	0.25	0.23	"	"	LED, OFF, R/R, HALL	4
5	"	"	"	0.62	0.75	0.15	0.13	"	"	LED STOCK RECV/G	6
9	"	"	"	0.62	0.21	0.14	0.14	"	"	LED MEZZ STAIR	8
11	"	"	"	0.41	0.61	0.12	0.12	"	"	LED FRONT CANOPY	10
13	"	"	"	0.36	0.12	0.12	0.12	"	"	LED REAR CANOPY	12
15	LPS WALL PAK	20A/2P	"	0.54	2.04	1.50	1.50	20A/2P	"	BLDG. SIGNAGE	14
16	W/ CIR N°13	"	"	0.54	2.04	1.50	1.50	20A/2P	"	W/ CIR N°14	16
17	LPS WALL PAK	20A/2P	"	0.54	2.04	1.50	1.50	20A/2P	"	SITE SIGNAGE	18
21	W/ CIR N°17	"	"	0.54	2.04	1.50	1.50	"	"	W/ CIR N°18	20
23	"	"	"	0.54	1.08	-	-	0.54	"	SPACE	22
25	"	"	"	0.54	1.08	-	-	0.54	"	"	24
27	"	"	"	0.54	1.08	-	-	0.54	"	"	26
29	"	"	"	0.54	1.08	-	-	0.54	"	"	28
31	SPACE	"	"	0.0	0.0	0.0	0.0	0.0	"	SPACE	30
33	"	"	"	0.0	0.0	0.0	0.0	0.0	"	"	32
35	"	"	"	0.0	0.0	0.0	0.0	0.0	"	"	34
37	"	"	"	0.0	0.0	0.0	0.0	0.0	"	"	36
39	"	"	"	0.0	0.0	0.0	0.0	0.0	"	"	38
L1 8.80 KW / 120 V = 73.3 AMPERS					8.80	8.32					
L2 8.32 KW / 120 V = 69.33 AMPERS											
FEEDER SIZE: 2 * 3 - THW - Cu, 1 * 4 - THW - Cu - Neut. 1 * 8 - Cu - GND, 1/4" C.											



Lighting DET.

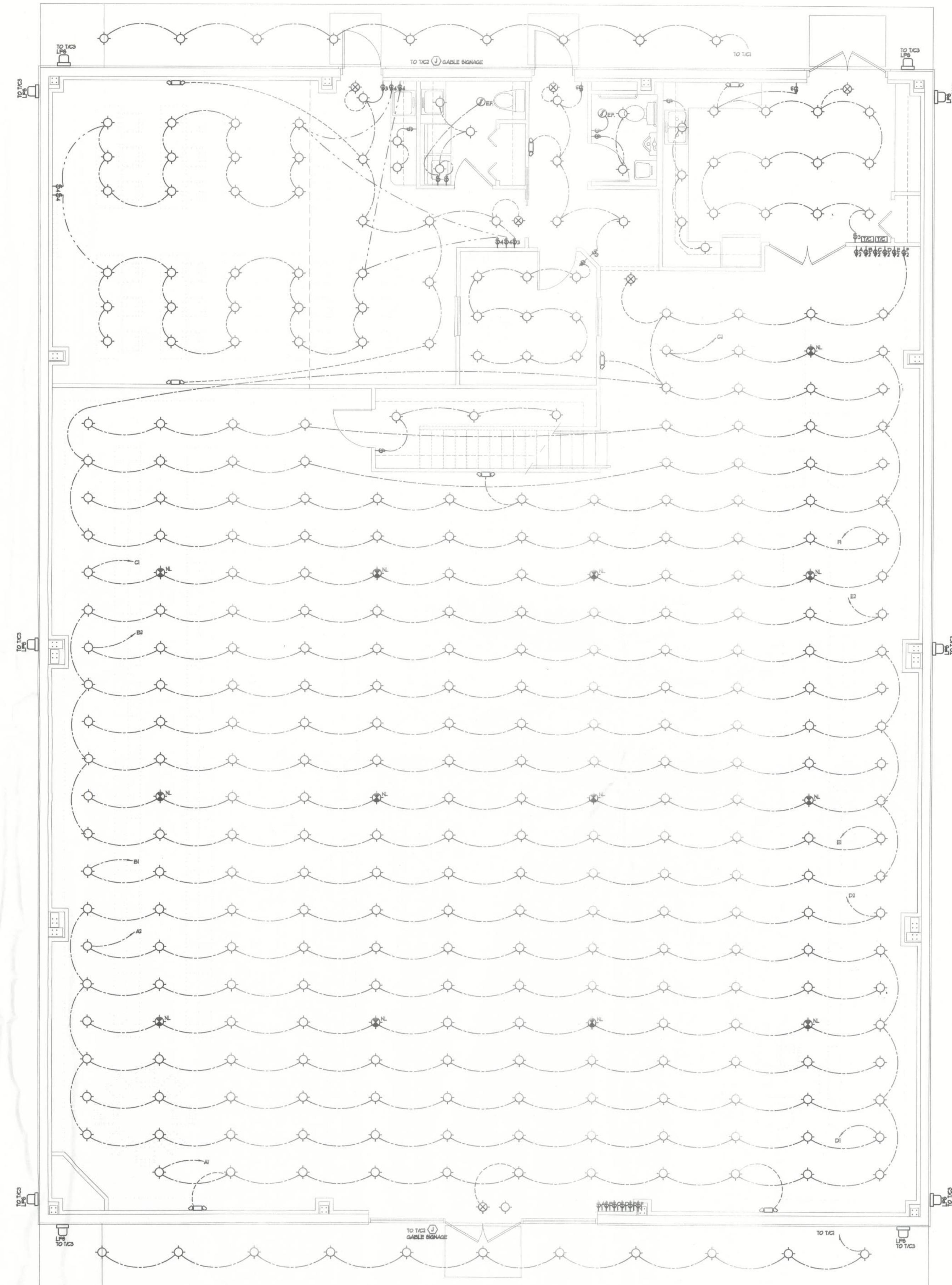
SCALE: 3/4" = 1'-0"

Electrical SYMBOLS

LIGHTING

- SPST WALL SWITCH
 - DPDT WALL SWITCH (3-WAY)
 - DPDT WALL SWITCH (3-WAY) TO MATCHING AT SW
 - 4 WAY SWITCH
- NOTE: FOR ALL OWNER DESIGNATED LOCATIONS:
WALL SWITCHES FOR INTERIOR LED LIGHTING
SHALL BE DIMMER TYPE, WITH LOAD CAPACITY
MATCHED TO THE CIRCUIT LOADS, MIN. 600W
- 15W LED LTG (SURFACE, RECESSED, PENDANT)
 - 15W LED NIGHT LIGHT, WIRED AHEAD OF SWITCH
ALWAYS ON WHEN FNL IS ENERGIZED
 - 175W LOW PRESSURE SODIUM WALL FIXTURE
 - SWITCH/FIXTURE WIRING
 - CONTROL WIRE / LOW VOLTAGE
 - NON-SWITCHED EM/EXIT LIGHTING
 - TIME CLOCK

NOTE: FOR ALL OWNER DESIGNATED LOCATIONS:
WALL SWITCHES FOR INTERIOR LED LIGHTING
SHALL BE DIMMER TYPE, WITH LOAD CAPACITY
MATCHED TO THE CIRCUIT LOADS, MIN. 600W



Lighting PLAN

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

NOTE:
EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE PROVIDED
AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED
PER NEC 100-12F.

REVISION:

12 DEC 2012
17 DEC 2012
24 DEC 2012

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NEW RETAIL BUILDING for:
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ELECTRICAL LIGHTING PLAN & PANEL

Celebrating
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N.P. Geisler, Architect
AR0007005

**NICHOLAS
GEISLER**
ARCHITECT
N.C.A.R.B. Certified

DATE:

07 DEC 2012

CONTRACT:

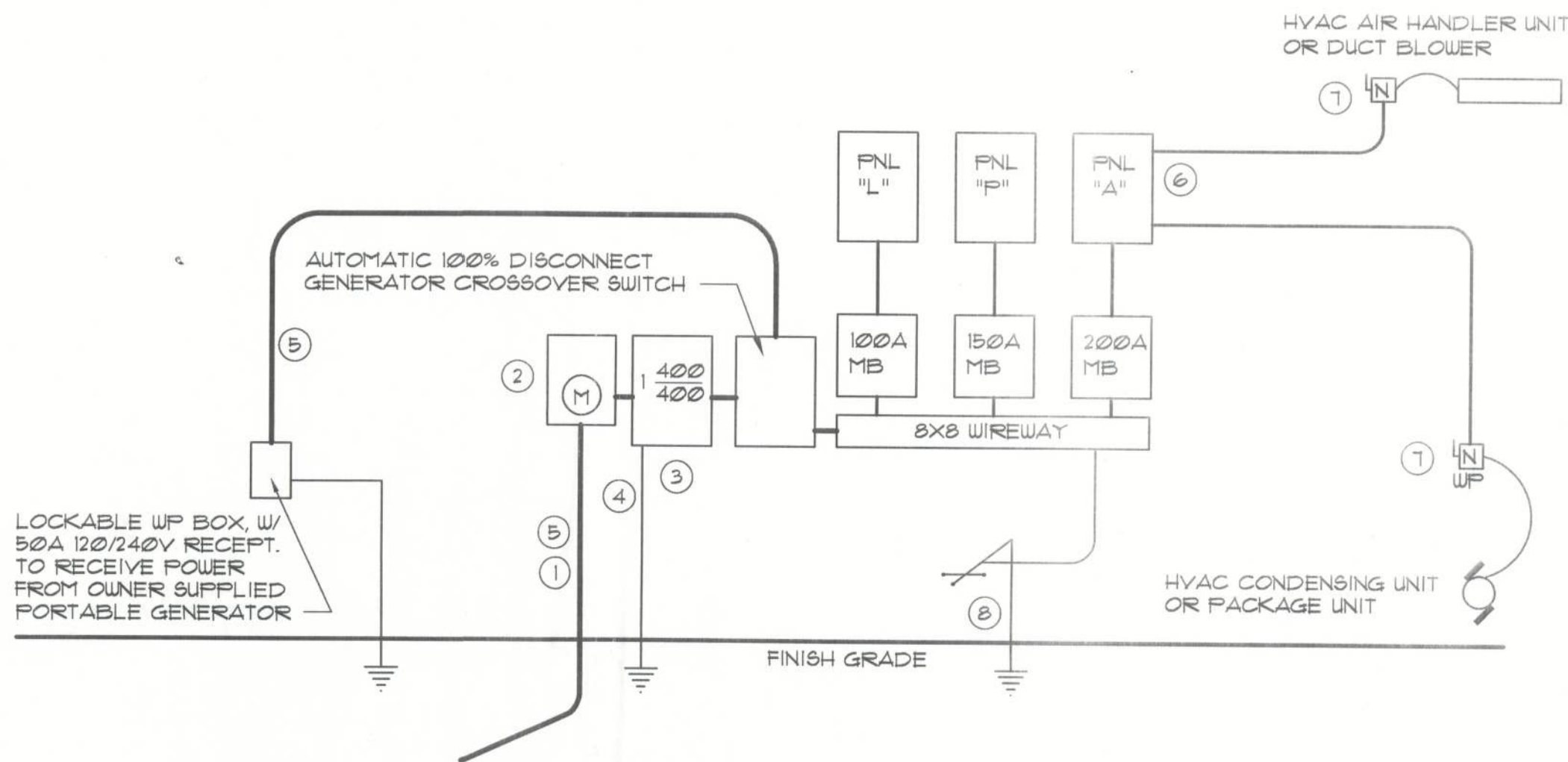
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ELECTRICAL RISER DIAGRAM: 400A

SCALE: NONE

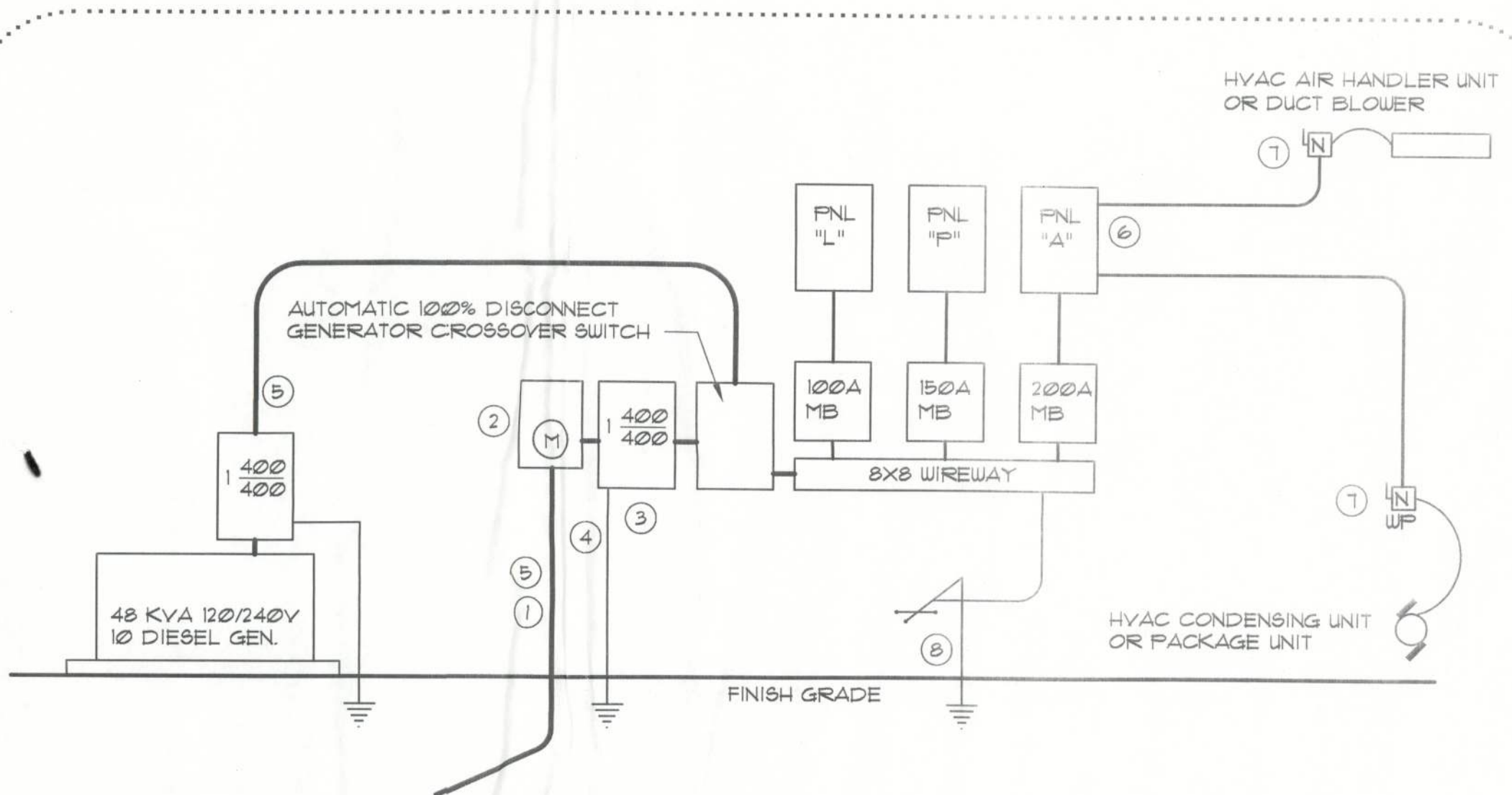
LOAD COMPUTATION - SERVICE SIZE

LOAD	L1 KW	L2 KW
FNL "L"	8.80	8.32
FNL "P"	16.24	16.06
FNL "A"	20.52	20.52
LOAD - KW:	46.16	44.90
25% L.M.:	0.72	0.72
TOTAL LOAD - KW:	46.88 KW	45.62 KW
TOTAL LOAD - AMP:	390.61 A	380.17 A

SERVICE SIZE:
120/240V 1φ - 4W - 400 AMPERE SERVICE
1 - 3 1/2" CONDUIT, WITH: 2 - 600 MCM THW - Cu,
1 - 400 MCM THW - Cu - NEUT & 1 - 1/0 - Cu - GND

- Service/Feeder Entrance Conductors: 2 1/2" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor. Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
- Meter Enclosure, weatherproof, UL Listed.
- Main Disconnect Switch: fused or Main BRKR, weatherproof, UL Listed.
- Service Entrance Ground: 3/8" x iron/steel rod x 8'-0" long and/or concrete encased Foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item 5, below.
- 400 AMPERE SERVICE: 2 600MCM-Cu, 1-400MCM-Neut, 1-1/0-Cu-GND, 3 1/2" Conduit.
- House Panel (FNL) UL Listed, sized per schedule.
- Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
- Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

NOTE:
THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 10,000 AIC. VERIFY MAXIMUM FAULT CURRENT FROM UTILITY CO., AND MATCH EQUIPMENT RATING AS NEEDED



ALTERNATE RISER DIAGRAM: 400A

SCALE: NONE
WITH PERMANENT DEDICATED DIESEL GENERATOR BACK-UP

ELECTRICAL NOTES: General

- DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
- INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 1991 EDITION, AND ITS AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
- GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF NEC-1994.
- INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THHN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE.
- PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
- COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.
- INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
- INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, RESTROOM, KITCHEN, GARAGE, AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
- INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
- INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT: SIZE IN ACCORD WITH THE LOAD. ALL DISCONNECT SWITCHES SHALL BE HP, RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
- MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVER-LOAD RELAYS IN EACH HOT LEG.
- ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER, AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED.
- FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRES FOR A COMPLETE, OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS).
- OUTLET BOXES SHALL BE PRESSURE STEEL OR PLASTIC OR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
- HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
- COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. COORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER.
- EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 100-12F.
- ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN EA CIRCUIT SHALL BE CLEARLY IDENTIFIED A TO WHAT IS INCLUDED ON SAID CIRCUIT.
- IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION.
- THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY.
- FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HVAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
- ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4".
- ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP. NO TIE HANDLES OR TANDEMS SHALL BE ACCEPTABLE.
- ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (CL) RATED 200,000 AIC.
- ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK.
- CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
- CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS.
- PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE. VERIFY NUMBER AND SIZES OF CIRCUITS.
- WHEN CONDUIT RUNS EXCEED 200 FEET, FULL BOXES SHALL BE INSTALLED SO THAT NO FULL EXCEEDS THIS DISTANCE.
- ELECTRICAL EQUIPMENT AIC RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX. AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY.

REVISION:
12 DEC 2012

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