



Credit Union

ELIZABETHTOWN (FORT KNOX #2)

INDEX OF DRAWINGS

DEMOLITION PLAN & EXIT EGRESS DIAGRAM

DETAILS

DETAILS DETAILS

DETAILS

DETAILS

FINISH PLAN AND SCHEDULES DOOR SCHEDULE AND DETAILS

DETAILS AND SCHEDULES

PLUMBING FLOOR PLAN

MECHANICAL FLOOR PLAN & SCHEDULES

PLUMBING RISER DIAGRAM & DETAILS

SYMBOLS, LEGENDS, & DETAILS FLOOR PLAN - LIGHTING

FLOOR PLAN - POWER / SYSTEMS SITE PLAN, PANELS, MISC DETAILS

GENERAL

ARCHITECTURAL

MECHANICAL

PLUMBING

ELECTRICAL

4021 N. DIXIE HIGHWAY SUITES 111 ELIZABETHTOWN, KY 42701

ELECTRICAL CONSULTANT

LOUISVILLE, KY 40222 PHONE: (502) 414-4545 CONTACT: STÉVE KIDWELL

KIDWELL ENGINEERING, INC. 333 EAST MAIN STREET, SUITE 501

		DEPARTMENT OF HIGHWAYS DISTRICT 4 ENCROACHMENT PERMIT NUMBER A04-2012-12325 U.S. 31W. ALORD	SITE PLAN		 1 4
ABBREVIATIONS	LEGEND	VICINITY MAP	GENERAL NOTES	RFIS, SUBMITTALS & SUBSTITUTIONS	
AB AMCHOR BOLT AC ACOUSTION A/C AIR COMDITIONING FINE HOSE STATION A/C AIR COMDITIONING FINE HOSE STATION A/C AIR COMDITIONING AD AREA DRAIN FLUOR FLUOR FLUOR FLUOR FOR AD ABACE THE HOSE (NIN) AD ABACE THE HOSE STATION AD ABACENT ADJUSTABLE FLOOR (NIN) ADJUSTABLE FLOOR (NIN) ADJUSTABLE FLOOR FOR FOR FORE FOR FORE OF COLUMN ADJUSTABLE AFF ABOVE FINISHED FLOOR AL ALJUMINUM FOR FACE OF FINISH ALL ALLERNAIE ARCHITECT (URAL) FOR FACE OF FINISH ARCH ARCHITECT (URAL) FOR FACE OF FINISH ARCHITECT (URAL) FOR FACE OF FINISH BO BOARD FOR FINISHED BO BOARD FOR FINISHED BO BOARD FOR FINISHED BO BOARD FOR FINISHED BLOOR SIM BLOOK	ROOM NAME 102 ROOM NAME AND NUMBER 102 REVISIONS, CLOUD AROUND REVISED AREA WORK POINT, CONTROL POINT OR DATUM POINT DETAIL NUMBER SHEET WHERE DETAIL IS DRAWN A COLUMN OR DATUM GRID LINES A COLUMN OR DATUM GRID LINES 1 A COLUMN OR DATUM GRID LINES A COLUMN OR DATUM GRID LINES 1 A COLUMN OR DATUM GRID LINES 1 A COLUMN OR DATUM GRID LINES A COLUMN OR DATUM GRID LINES 1 A COLUMN OR DATUM GRID LINES 1 A COLUMN OR DATUM GRID LINES ELEVATION NUMBER AND SHEET WHERE DRAWN 3 4 AB.01 2 INTERIOR ELEVATION NUMBER AND SHEET WHERE DRAWN ELEVATION REFERENCE MARK	PRODUCT TEST REPORTS THE FOLLOWING PRODUCT TEST REPORTS APPLY TO THIS CONSTRUCTION. CONSTRUCTION MUST CONFORM TO THESE REPORTS (NOT A COMPREHENSIVE LIST; SEE SPECIFICATIONS FOR ALTERNATES WHERE ALLOWED) ACOUSTICAL CEILING GRID: ICC # METAL STUDS: ICC # TEKS SCREWS: ICC # POWER DRIVEN FASTENERS: ICC #	 INITENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND TRANSPORTATION NECESSARY FOR COMPLETE AND PROPER EXECUTION OF THE PROJECT. ALL TRADES SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND PERFORM ALL WORK NECESSARY, INDICATED, REASONABLY INFERRED, OR REQUIRED BY ANY AGENCY HAVING JURISDICTION, FOR A COMPLETE AND PROPER FINISHED JOB. WORK PERFORMED SHALL CONFORM TO THESE CONSTRUCTION DRAWINGS, INCLUDING SEPARATE SPECIFICATION MANUAL, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS CONTRACTOR SHALL SUBMIT TO THE BUILDING DEPARTMENT EVIDENCE OF CURRENT WORKMEN'S COMPENSATION INSURANCE COVERAGE IN COMPLIANCE WITH THE LOCAL AND STATE LABOR CODES. CONTRACTOR SHALL VERIFY CONSTRUCTION DOCUMENTS, ON—SITE EXISTING CONDITIONS, AND THE WORK OF OTHER CONTRACTORS AND SHALL IMMEDIATELY INFORM ARCHITECT OF ANY DISCREPANCIES OR INADEQUACIES PROR TO STATING WORK, FAILURE TO DO SO SHALL BE DEEMED ACCEPTANCE OF CONSTRUCTION DOCUMENTS AND WORK CONDITIONS AND CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY CORRECTIONS IN THE WORK. NOTIFICATION SHALL BE IMMEDIATELY GIVEN TO DESIGNER SHOULD ANY DISCREPANCY, ERROR, OR QUESTIONS ARISE REGARDING THE INTENT OF THESE DOCUMENTS, THE WORK OF THE CONTRACTOR, OR OTHER CONTRACTORS PERFORMING WORK. ALL MATERIALS SHALL BE NEW AND PROVIDED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED AS EXISTING OR TO BE PROVIDED BY OTHERS. UNLESS A NOTE IS INDICATED TO BE LIMITED TO A SPECIFIC ITEM OF WORK, IT SHALL APPLY TO THE ENTIRE AREA. VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE CONTRACTOR SHALL ENSURE THAT ALL SUSPECT HAZARDOUS MATERIALS ARE TESTED PRIOR TO DISTURBANCE OF THE MATERIALS. THE CONTRACTOR SHEAL ENSURE THAT ALL SUSPECT HAZARDOUS MATERIALS ARE TESTED PRIOR TO DISTURBANCE OF THE MATERIALS. THE CONTRACTOR SPECIFIC FROM THE ENTIRE AREA. VISIT THE SITE AND BECOME FAMILIAR WITH	 IN SUBMITING TO THE DESIGNER REQUESTS FOR INFORMATION (RFIS) AND SUBMITTALS (SHOP DRAWINGS, SAMPLES, PRODUCT INFO, ETC), THE CONTRACTOR SHALL ALLOW SUFFICIENT TIME (AT LEAST 10 WORKING DAYS, EXCLUDING WEEKENDS AND HOLIDAYS) FOR THE DESIGNER'S REVIEW. ALL RRIS AND SUBMITTALS FOR THE DESIGNER AND THE DESIGNER'S CONSULTANTS SHALL BE SUBMITTED DIRECTLY TO THE DESIGNER. RFIS AND SUBMITTALS WILL NOT BE ACCEPTED DIRECTLY FROM SUB-CONTRACTORS OR MATERIAL SUPPLIERS. ALL RRIS AND SUBMITTALS MUST COME FROM THE GENERAL CONTRACTOR. THE CONTRACTOR SHALL REVIEW ALL RRIS AND SUBMITTALS PRIOR TO TRANSMITTING TO THE DESIGNER. THE CONTRACTOR SHALL SEQUENTIALLY NUMBER ALL RRIS AND SUBMITTALS PRIOR TO TRANSMITTING TO THE DESIGNER. THE CONTRACTOR SHALL SEQUENTIALLY NUMBER ALL RRIS AND SUBMITTALS PRIOR TO TRANSMITTING TO THE DESIGNER. THE CONTRACTOR SHALL SEQUENTIALLY NUMBERED DUPLICATELY WILL NOT BE ACCEPTED. SUBMITTALS AND SUBSTITUTIONS DESIGNER'S AND DESIGNER'S CONSULTANTS' SUBMITTAL REVIEW IS FOR THE LIMITED PURPOSE OF CHECKING FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT OF THE CONSTRUCTION DRAWINGS. IT IS NOT A THOROUGH ERROR CHECKING, REVIEW OF DIMENSIONS, OR APPROVAL. IT IS NOT AN ACCEPTANCE OF SUBSTITUTIONS WHICH ARE NOT SPECIFICALLY BROUGHT TO THE DESIGN TEAM'S ATTENTION VIA COVER LETTER. CONTRACTOR IS RESPONSIBLE FOR ERRORS, MIS—COORDINATIONS AND NON—CONFORMANCES IN SUBMITTALS WHETHER OR NOT NOTED BY THE DESIGN TEAM'S LIMITED REVIEW. DESIGNER'S AND DESIGNER'S CONSULTANTS' SUBMITTAL REVIEW IS NOT A REVIEW OR ACCEPTANCE OF SUBSTITUTIONS MUST BE BROUGHT SPECIFICALLY TO THE ARCHITECT'S ATTENTION VIA A COVER LETTER TITLED "REQUEST FOR SUBSTITUTION," PROPOSED SUBSTITUTIONS MUST BE PREPARED BY A LICENSED ENGINEER THE APPLICATION AS THE SPECIFIED PRODUCT OR SYSTEM, AND THE CONTRACTOR SHALL PROVIDE A THOROUGH COMPARISION BETWEEN THE SUBSTITUTION AND ORIGINALLY—SPECIFIED PRODUCT OR SYSTEM,	M101 M102 P101 P102 E100 E101 E102 E103
		APPLICABLE CODES	PROJECT INFO	PROJECT DIRECTORY	
		ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES, REGULATIONS AND ORDINANCES, INCLUDING THE FOLLOWING: - 2013 Kentucky Building Code - 2012 International Building Code - 2012 National Electrical Code - 2012 International Plumbing Code (Including appendix F) - 2012 International Mechanical Code (Including appendix A) - 2012 Edition of the N.F.P.A 2002 North Carolina State Building Code Volume I—C (With 2004 amendments) H/C Code	PROJECT DESCRIPTION: TENANT IMPROVEMENT REMODEL OF AN EXISTING RETAIL SPACE. PROJECT LOCATION: 4031 N DIXIE HIGHWAY ELIZABETHTOWN, KY 42701 BUILDING INFO: 0CCUPANCY: CONSTRUCTION: TYPE V-B FIRE SPRINKLERS: NO NUMBER OF STORIES: 1	TENANT NAVY FEDERAL CREDIT UNION 820 FOLLIN LANE SE VIENNA, VA 22180 PHONE: (703) 332–0599 x 23001 CONTACT: KEVIN BURKETT PROJECT DESIGNER JOHN PERUZZI 3048 N THOMPSON LANE MURFREESBORO, TN 37129 PHONE: (615) 907–9955 CONTACT: JOHN PERUZZI CONTACT: STEVE KIDWELL	

ALL RELATED OSHA REQUIREMENTS

TOTAL TENANT AREA



3048 N THOMPSON LANE

MURFREESBORO, TN 37129

TEL 615.907.9955

CONFIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF

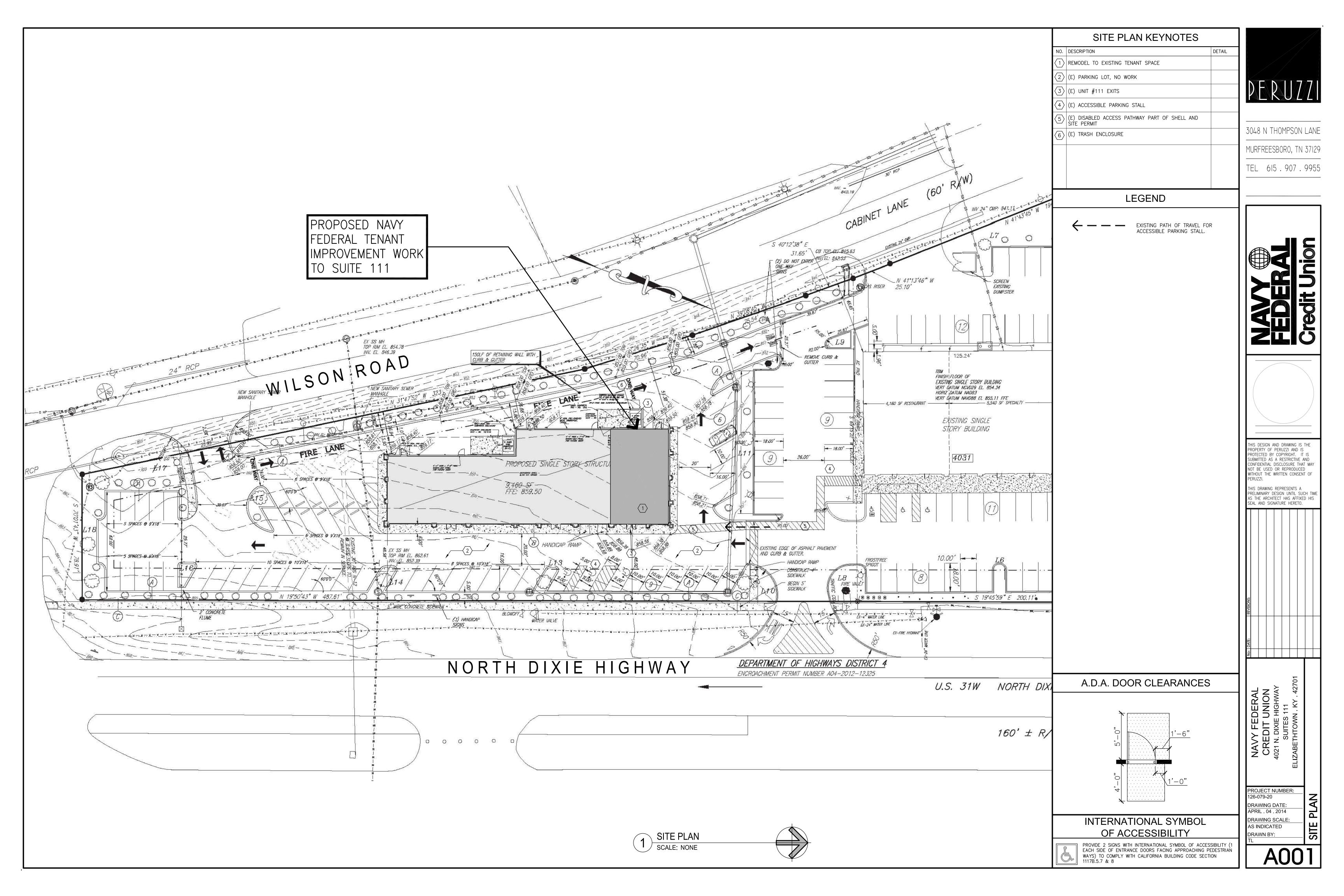
THIS DRAWING REPRESENTS A PRELIMINARY DESIGN UNTIL SUCH TIME AS THE ARCHITECT HAS AFFIXED HIS

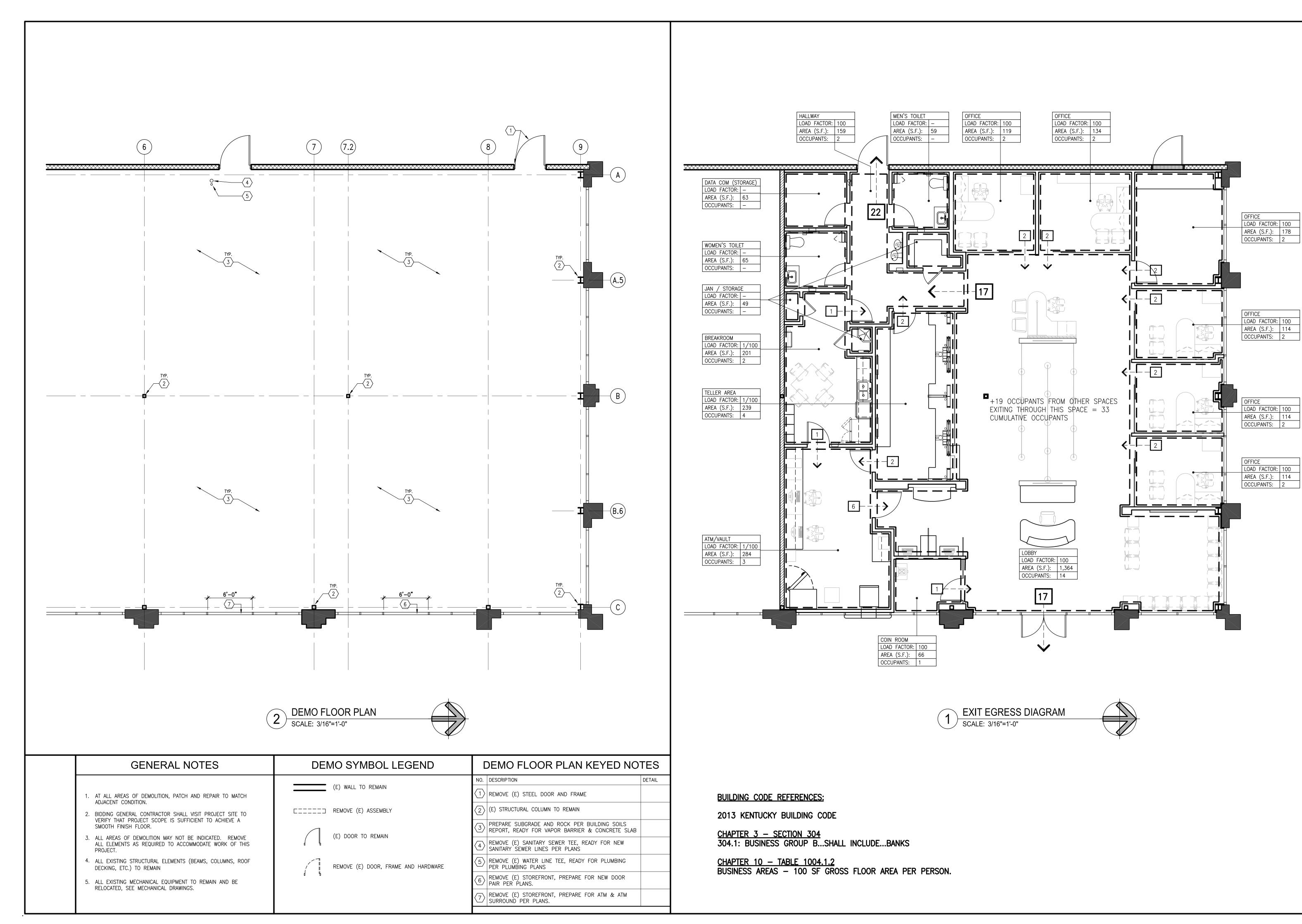
SEAL AND SIGNATURE HERETO.

NAVY FEDERAL
CREDIT UNION
4021 N. DIXIE HIGHWAY
SUITES 111
LIZABETHTOWN . KY . 4270

PROJECT NUMBER: 126-079-20 DRAWING DATE: APRIL . 04 . 2014 DRAWING SCALE:

AS INDICATED DRAWN BY:



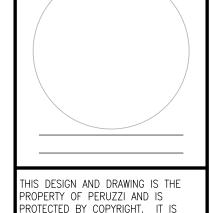


DERUZZI

3048 N THOMPSON LANE
MURFREESBORO, TN 37129

TEL 615.907.9955

FEBERAL FEBERAL Fedit Union



THIS DESIGN AND DRAWING IS THE PROPERTY OF PERUZZI AND IS PROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND CONFIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF PERUZZI.

THIS DRAWING REPRESENTS A
PRELIMINARY DESIGN UNTIL SUCH TIME
AS THE ARCHITECT HAS AFFIXED HIS
SEAL AND SIGNATURE HERETO.

No: DATE: REVISIONS:

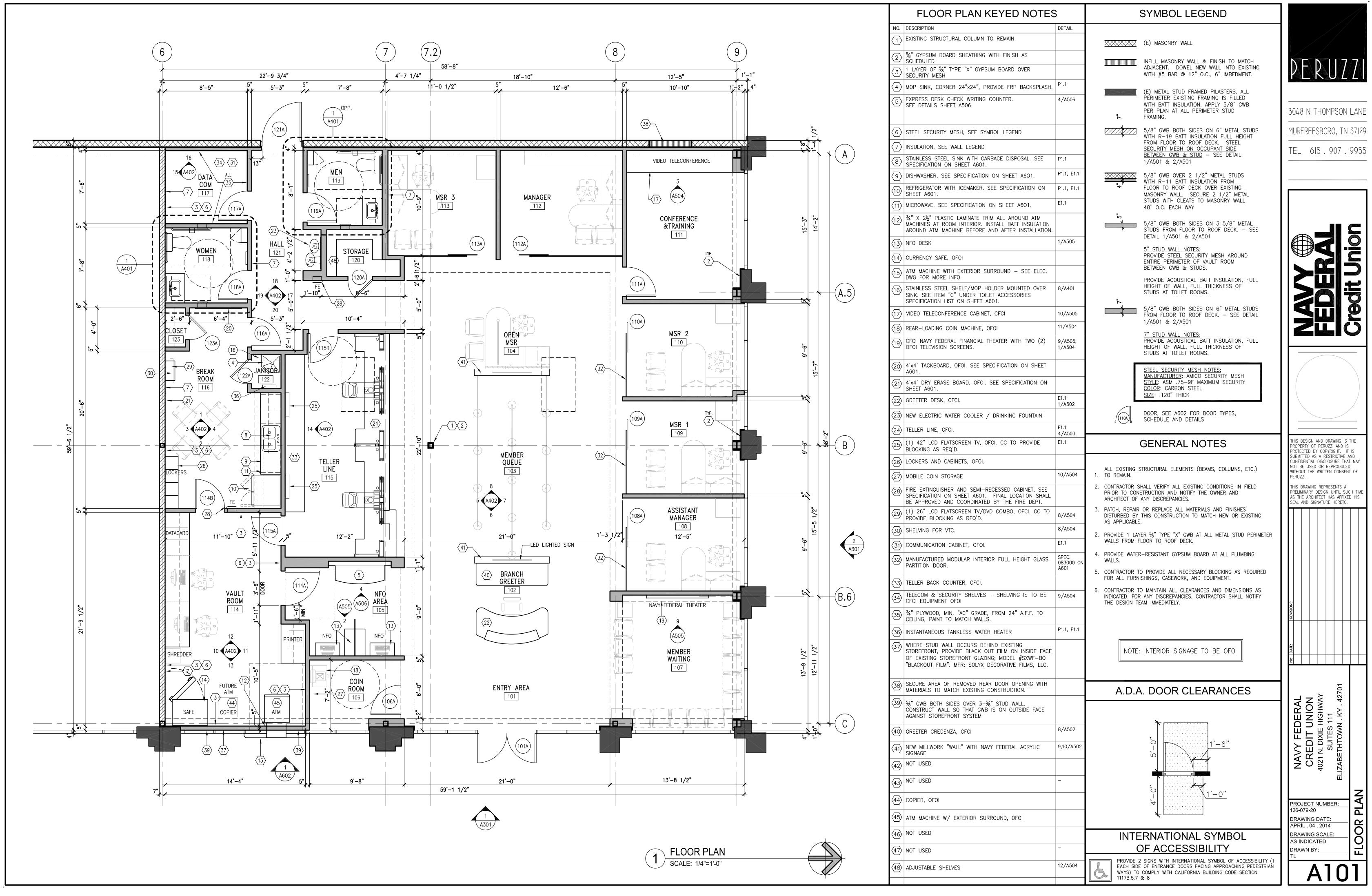
NAVY FEDERAL
CREDIT UNION
4021 N. DIXIE HIGHWAY
SUITES 111

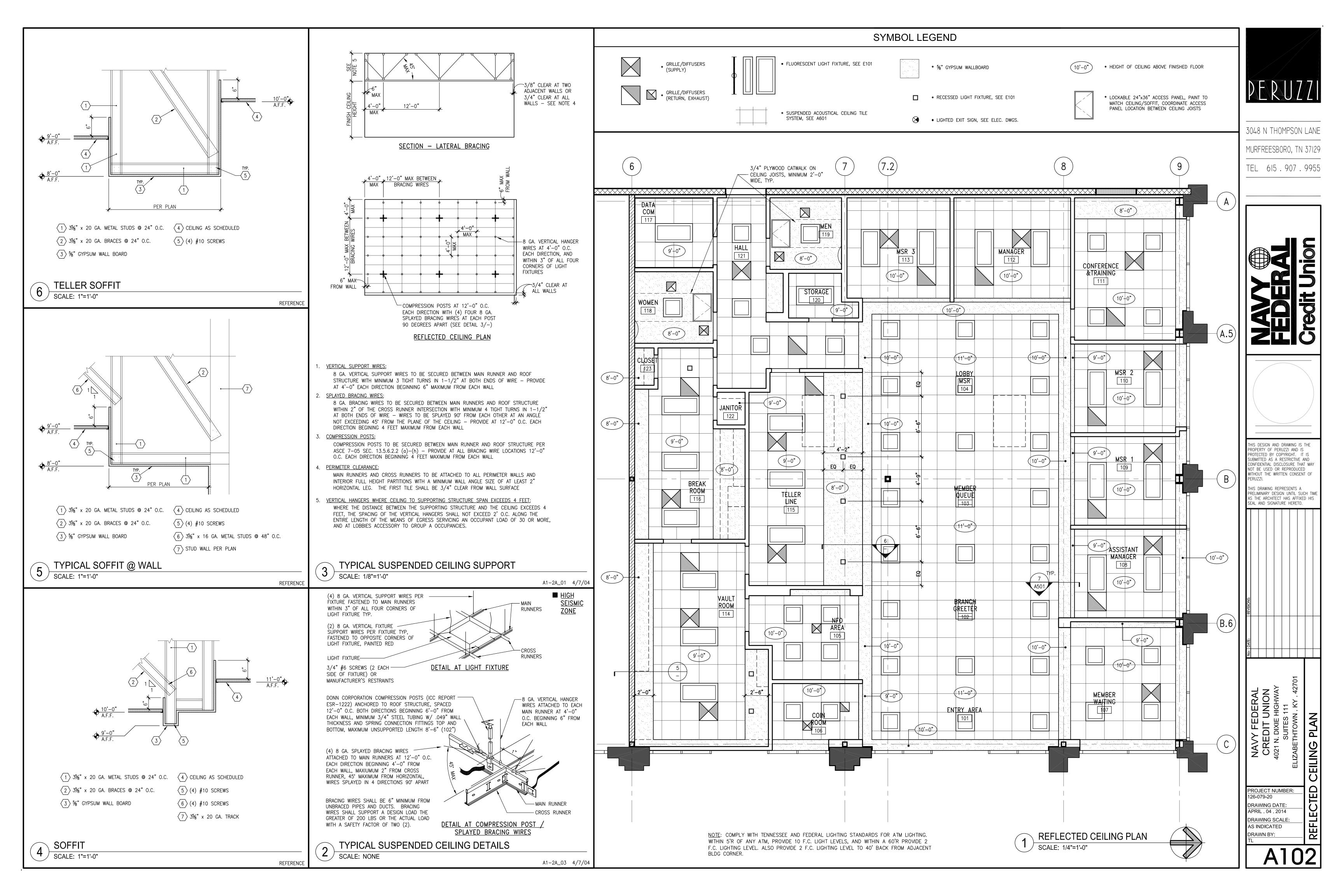
PROJECT NUMBER:
126-079-20
DRAWING DATE:
APRIL . 04 . 2014
DRAWING SCALE:

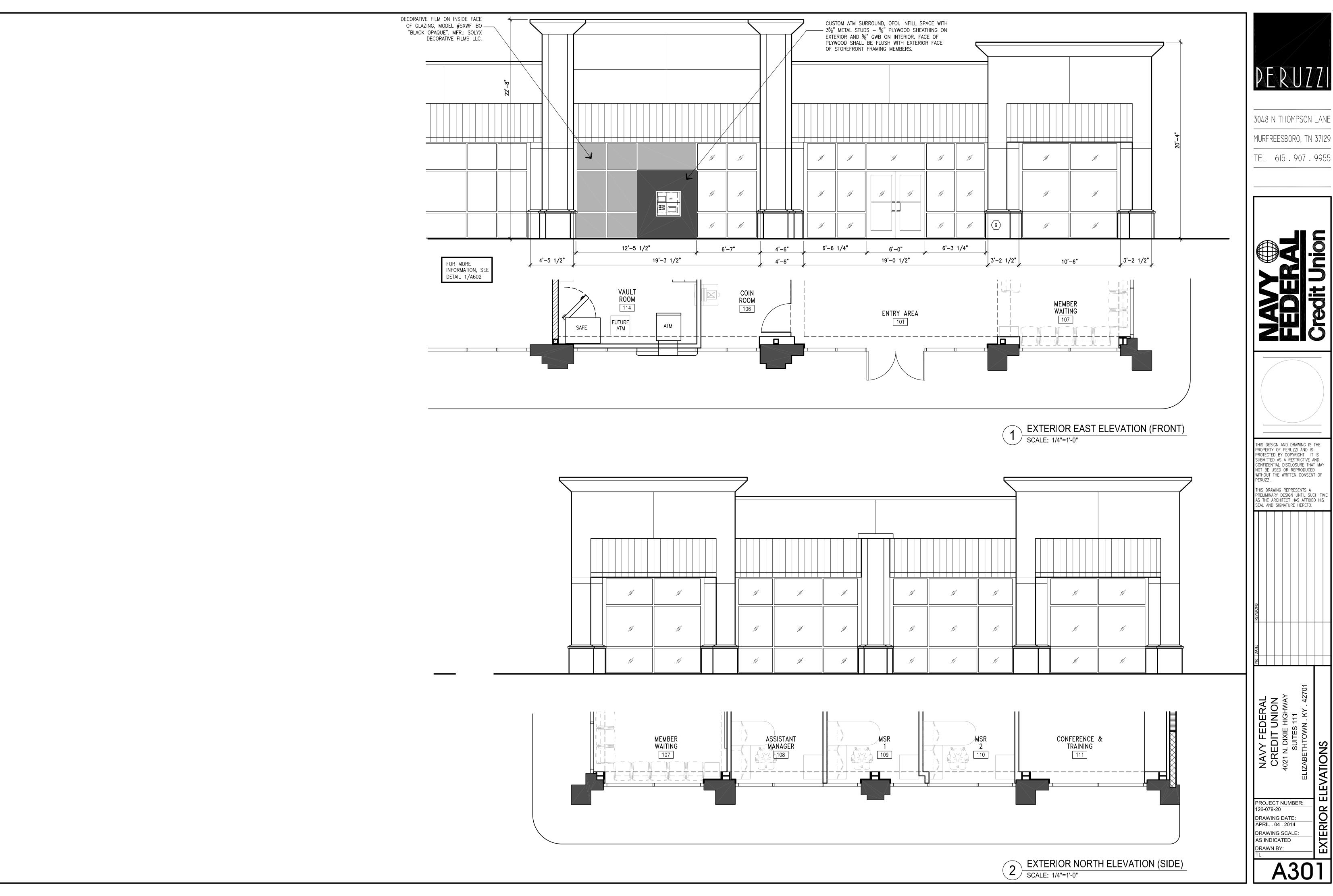
S INDICATED

DRAWN BY:

A100







3048 N THOMPSON LANE

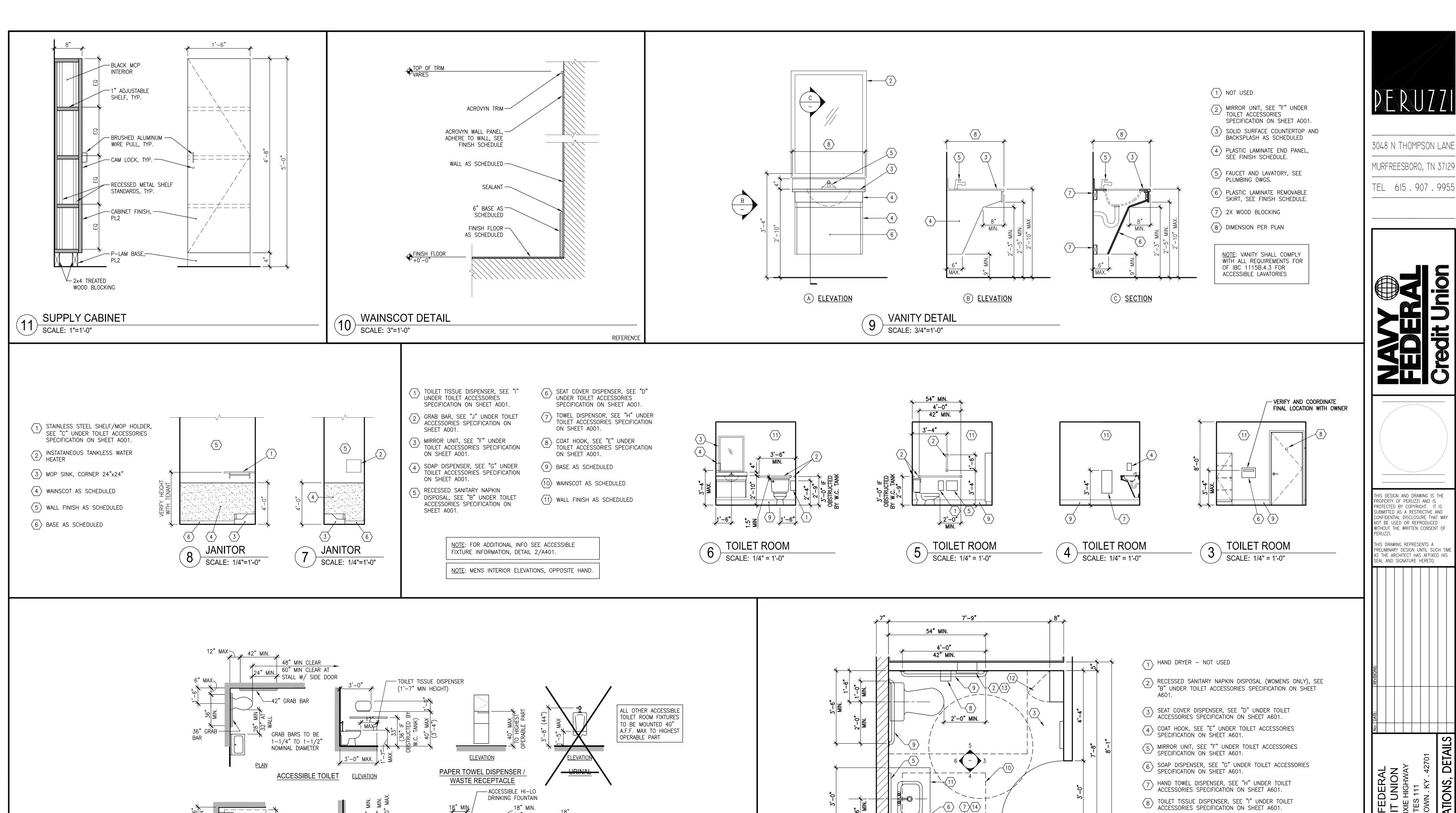
TEL 615.907.9955

THIS DESIGN AND DRAWING IS THE PROPERTY OF PERUZZI AND IS PROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND CONFIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF PERUZZI.

THIS DRAWING REPRESENTS A
PRELIMINARY DESIGN UNTIL SUCH TIME
AS THE ARCHITECT HAS AFFIXED HIS
SEAL AND SIGNATURE HERETO.

NAVY FEDERAL
CREDIT UNION
4021 N. DIXIE HIGHWAY
SUITES 111
ELIZABETHTOWN . KY . 42701

PROJECT NUMBER: 126-079-20 DRAWING DATE: APRIL . 04 . 2014 DRAWING SCALE:



FLOOR SPACE

<u>PLAN</u>

ACCESSIBLE SINK

ACCESSIBLE FIXTURE INFORMATION

32" MIN. CLEAR

SIDE ELEVATION

ACCESSIBLE DRINKING FOUNTAIN

FRONT ELEVATION

6" MAX 8" MIN. PROTECTIVE WRAP AROUND SINK P-TRAP

NAVY FEDERAL CREDIT UNION 4021 N. DIXIE HIGHWAY SUITES 111 ROJECT NUMBER: 26-079-20 DRAWING DATE: APRIL . 04 . 2014 DRAWING SCALE: 1/4" = 1'-0" RAWN BY:

GRAB BAR, SEE "J" UNDER TOILET ACCESSORIES SPECIFICATION ON SHEET A601.

(13) SANITARY NAPKIN BAG HOLDER (WOMENS ONLY), SEE "K" UNDER TOILET ACCESSORIES SPECIFICATION ON SHEET A601.

RECESSED REFUSE BIN & FRAME, SEE "L" UNDER TOILET ACCESSORIES SPECIFICATION ON SHEET A601.

(10) 30"x48" CLEAR FLOOR SPACE

(12) SUPPLY CABINET, SEE 11/-

 $-\sqrt{4}$

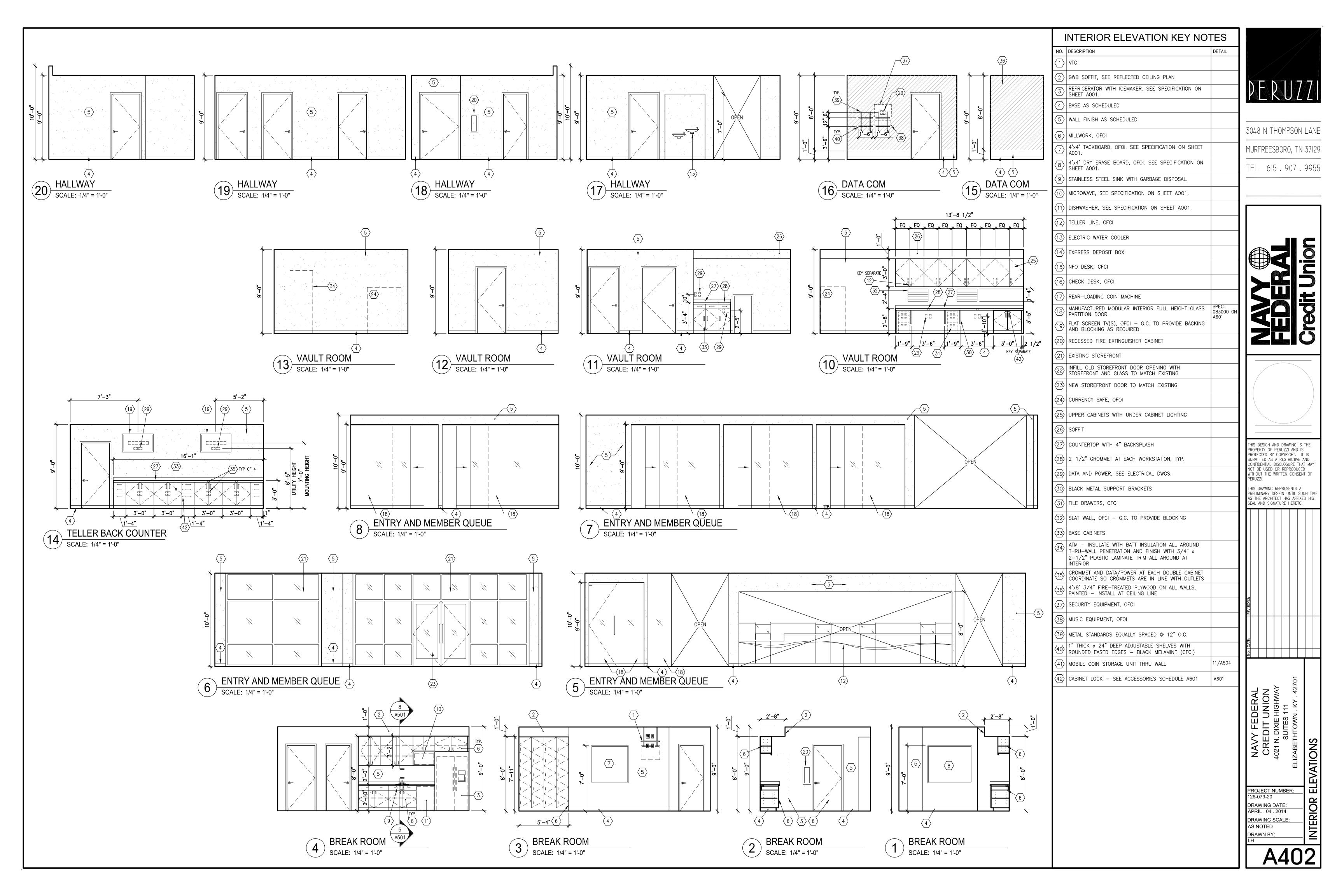
2'-0"

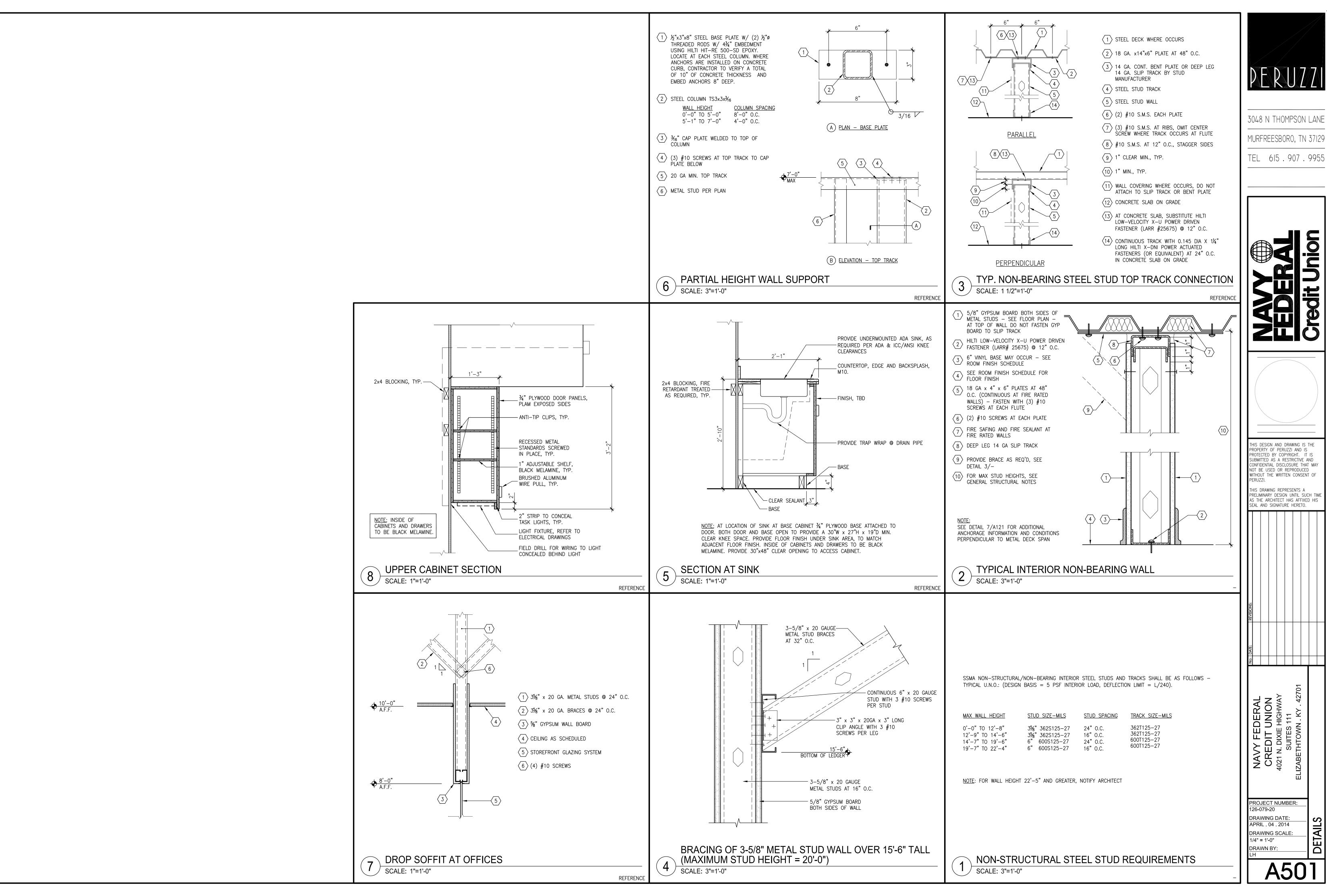
ENLARGED TOILET ROOM PLAN

ROOM 118 & 119 (MIRROR)

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

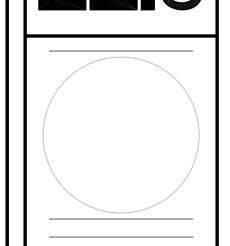
(11) TOILET ROOM VANITY AND LAVATORY





3048 N THOMPSON LANE

TEL 615.907.9955



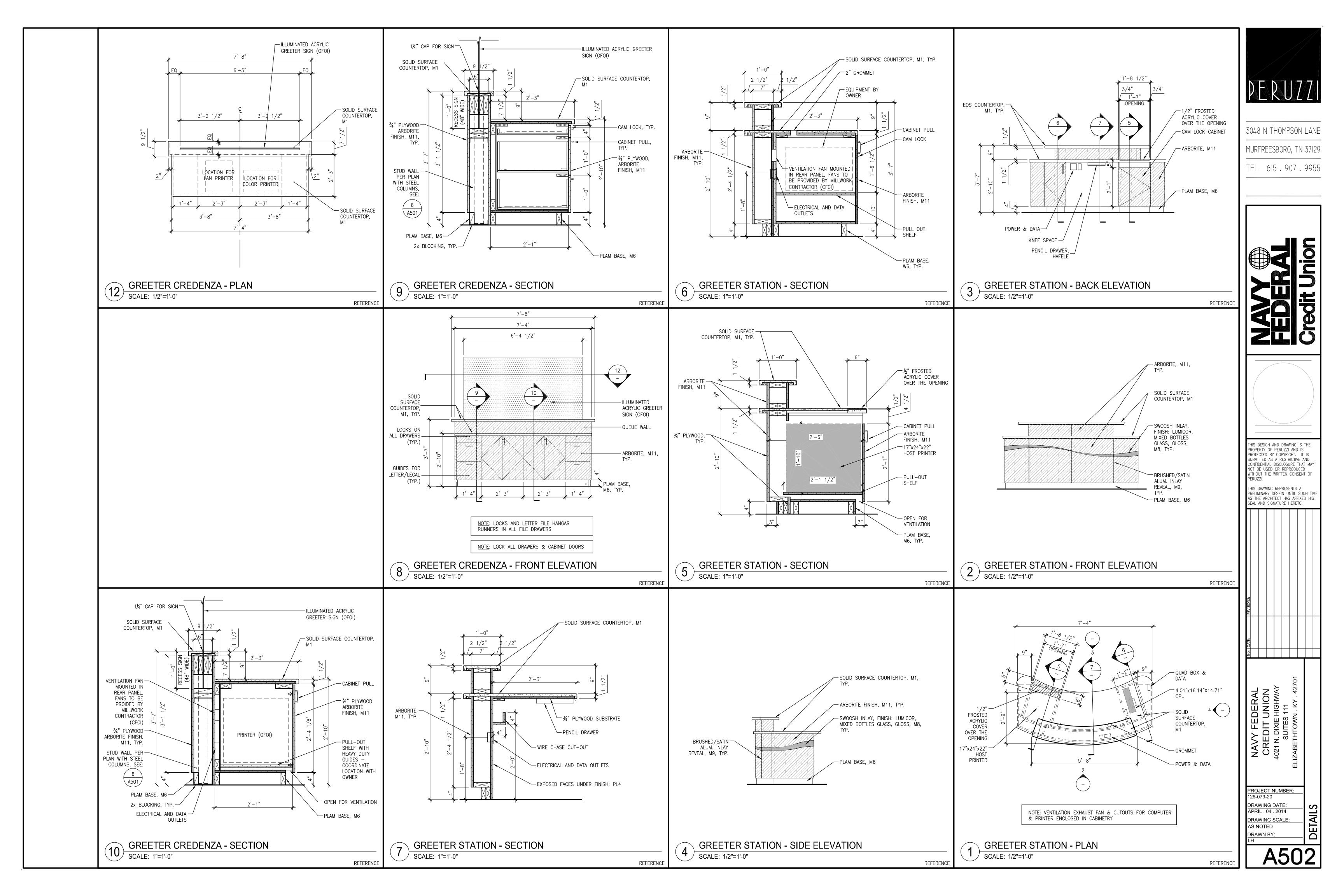
S DESIGN AND DRAWING IS THE ROPERTY OF PERUZZI AND IS ROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND CONFIDENTIAL DISCLOSURE THAT MAY
NOT BE USED OR REPRODUCED
WITHOUT THE WRITTEN CONSENT OF

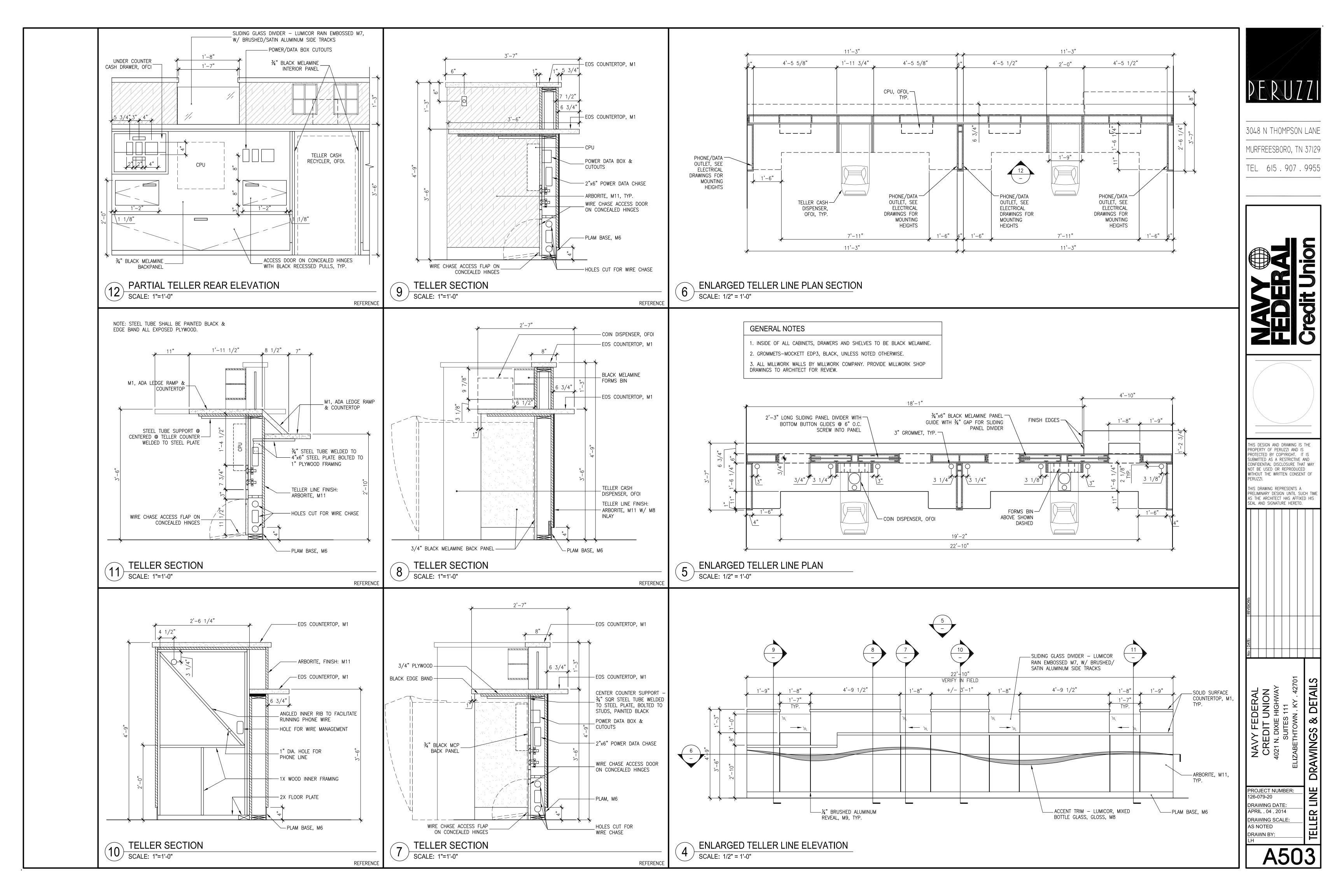
HIS DRAWING REPRESENTS A RELIMINARY DESIGN UNTIL SUCH TIME AS THE ARCHITECT HAS AFFIXED HIS SEAL AND SIGNATURE HERETO.

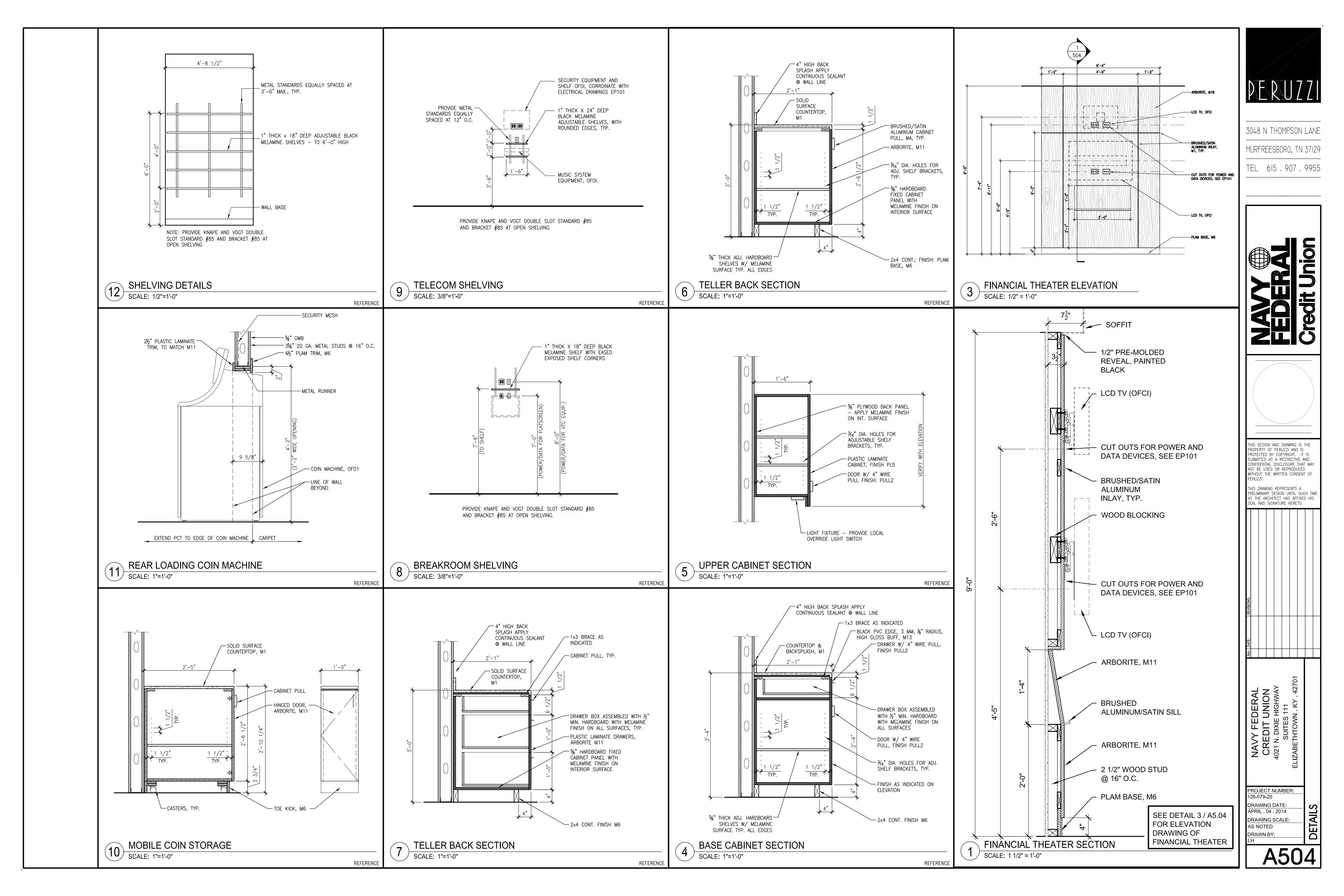
NAVY FEDERAL
CREDIT UNION
4021 N. DIXIE HIGHWAY
SUITES 111
LIZABETHTOWN . KY . 4270

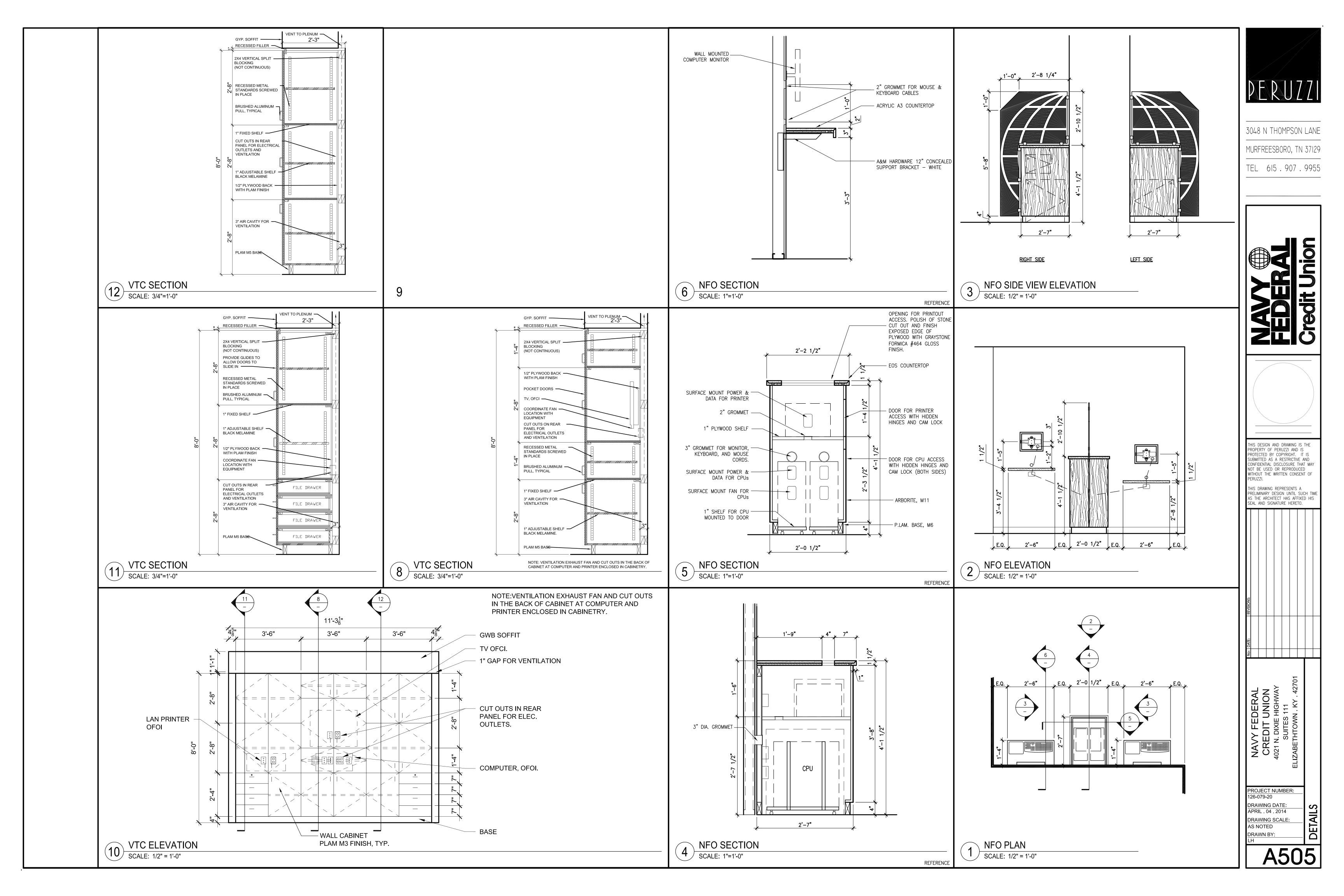
PROJECT NUMBER:

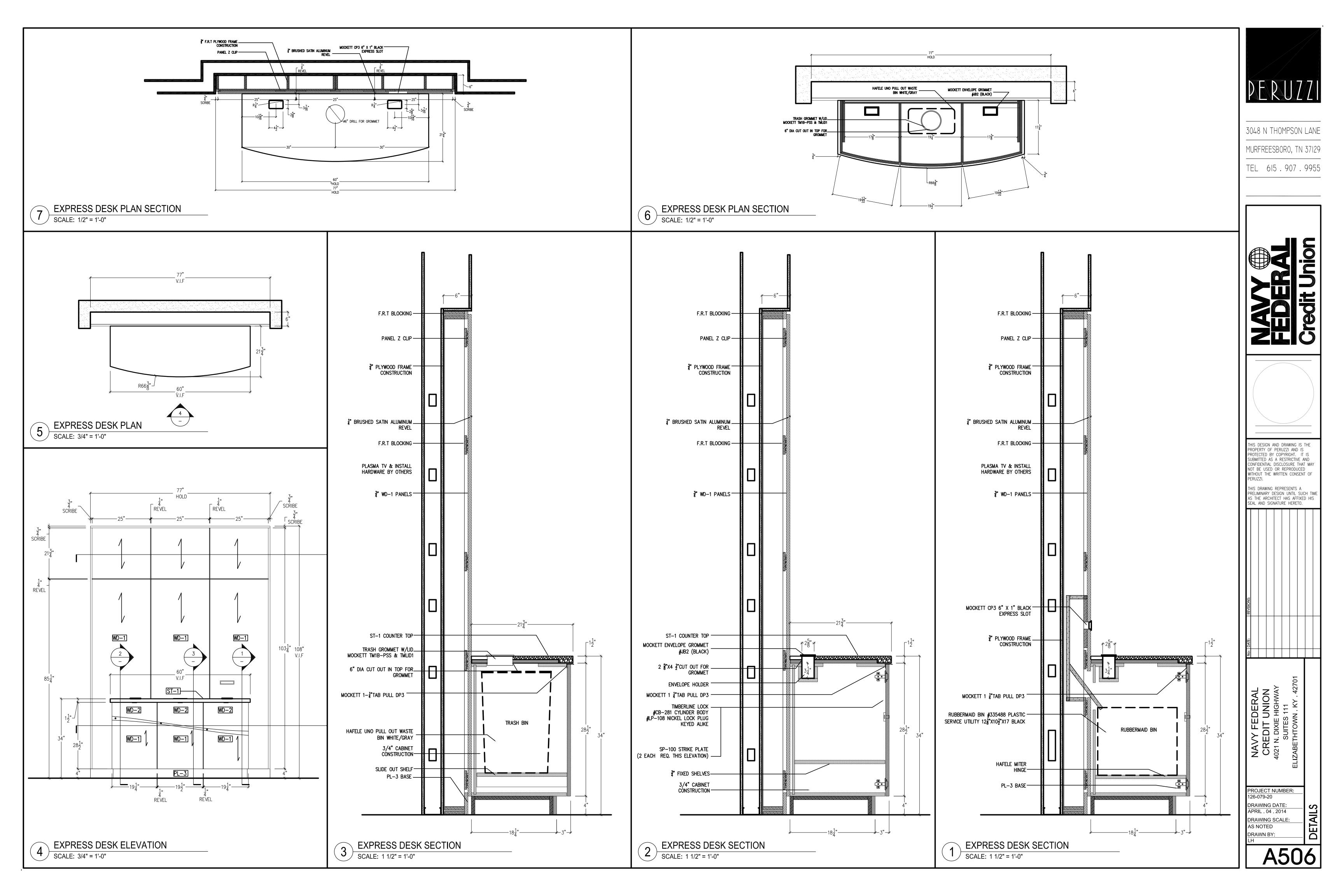
DRAWING DATE: APRIL . 04 . 2014 DRAWING SCALE:

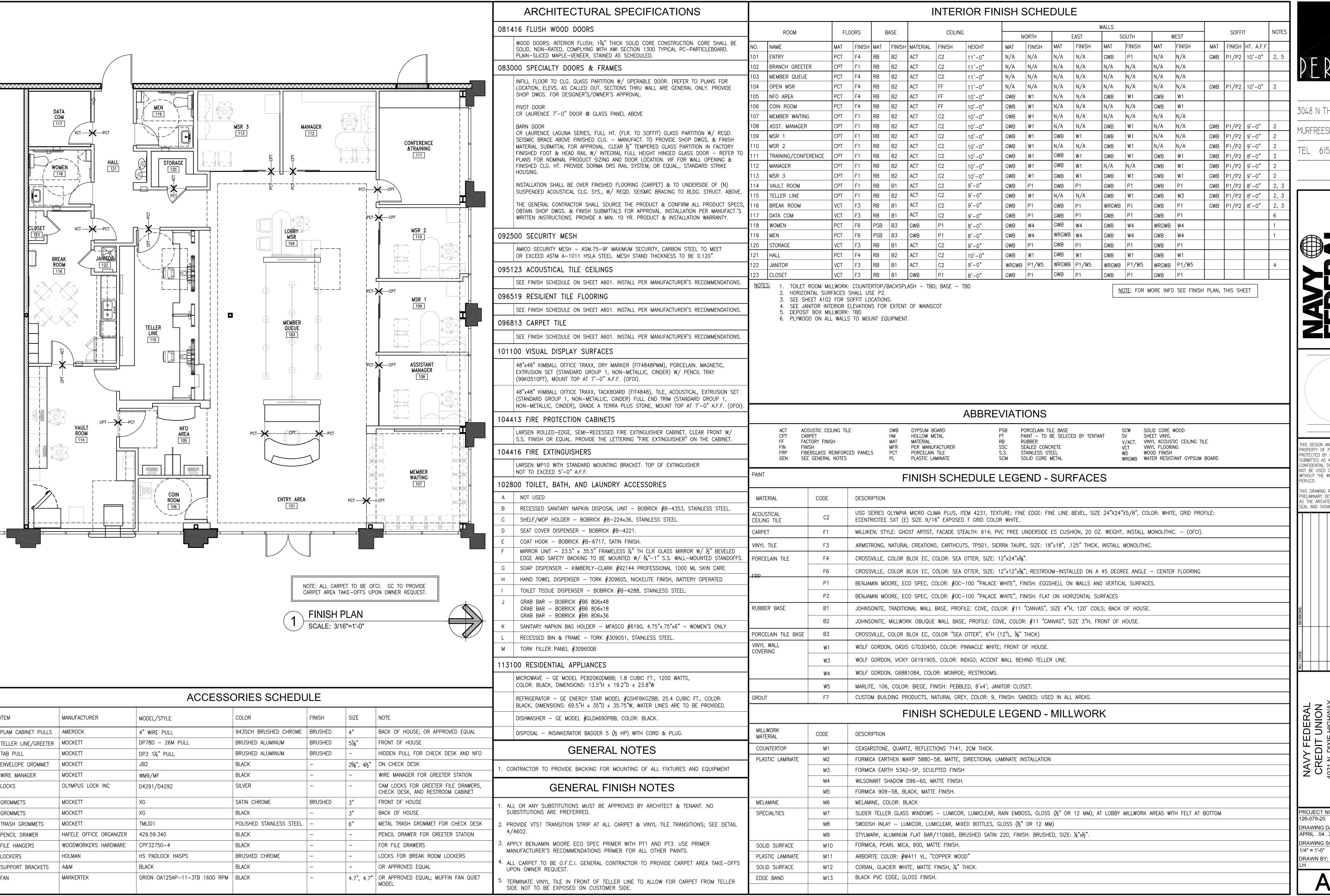












3048 N THOMPSON LANE

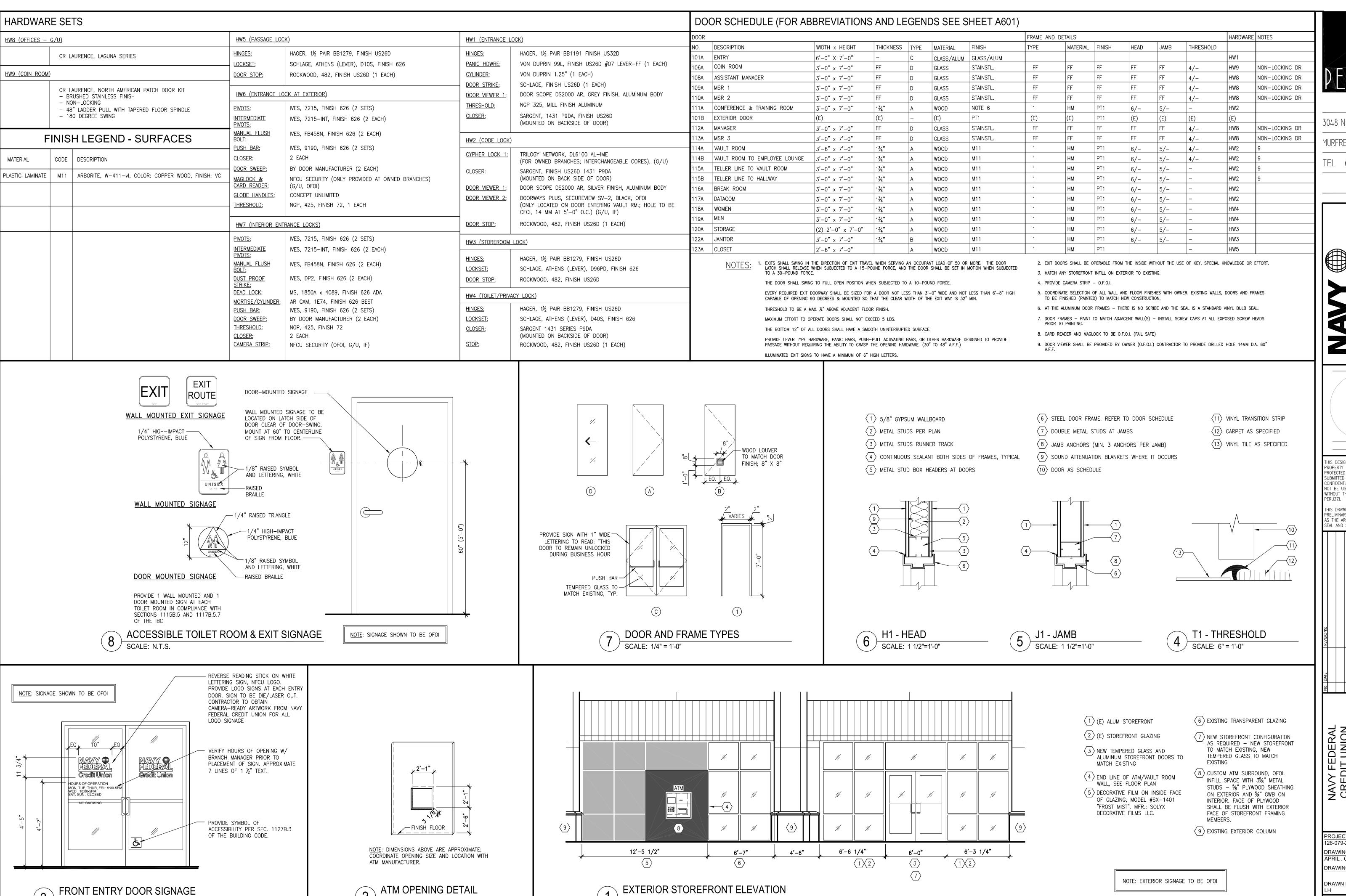
TEL 615.907.9955

IS DESIGN AND DRAWING IS THE ROPERTY OF PERUZZI AND IS ROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND ONFIDENTIAL DISCLOSURE THAT MAY T BE USED OR REPRODUCEI ITHOUT THE WRITTEN CONSENT OF

S DRAWING REPRESENTS A ELIMINARY DESIGN UNTIL SUCH TIN THE ARCHITECT HAS AFFIXED HIS EAL AND SIGNATURE HERETO.

NAVY FEDERAL CREDIT UNION 4021 N. DIXIE HIGHWAY SUITES 111

ROJECT NUMBER: 26-079-20 DRAWING DATE: APRIL . 04 . 2014 RAWING SCALE: /4" = 1'-0"



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

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

3048 N THOMPSON LANE MURFREESBORO, TN 37129

TEL 615.907.9955

S DESIGN AND DRAWING IS THE OPERTY OF PERUZZI AND IS ROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND CONFIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF

IS DRAWING REPRESENTS A ELIMINARY DESIGN UNTIL SUCH TIMI AS THE ARCHITECT HAS AFFIXED HIS SEAL AND SIGNATURE HERETO.

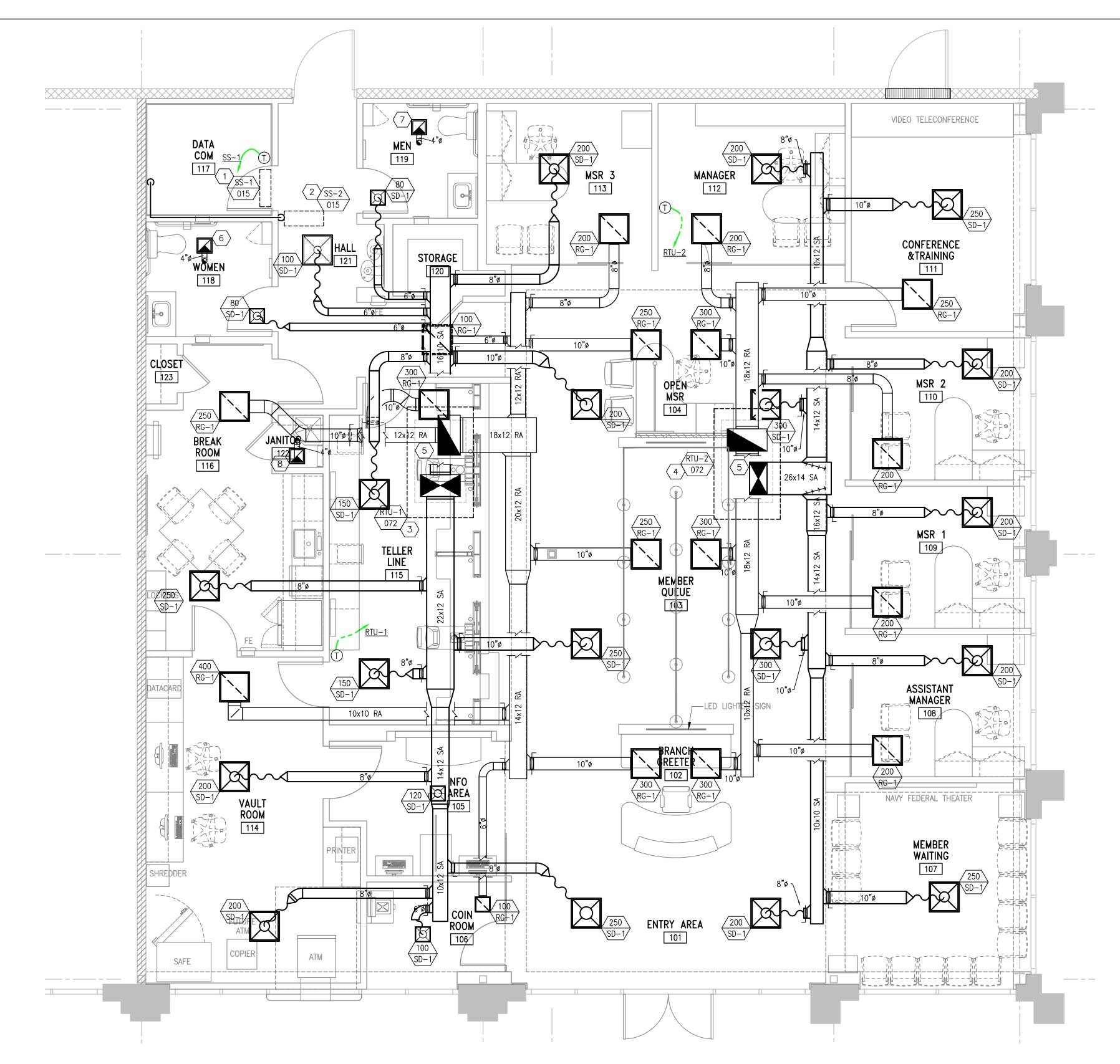
NAVY FEDERAL CREDIT UNION 4021 N. DIXIE HIGHWAY SUITES 111 IZABETHTOWN . KY . 427

ROJECT NUMBER:

26-079-20 DRAWING DATE: APRIL . 04 . 2014 DRAWING SCALE: DRAWN BY:

○ SHEET KEYNOTES

- SPLIT SYSTEM UNIT (SS-1). INSTALL SS-1 SO THE BOTTOM OF UNIT IS OVER THE DOOR TRIM COORDINATE PLACEMENT OF UNIT OVER THE DOOR WITH CEILING AND DOOR FRAME. ENSURE PROPER CLEARANCES OF UNIT WITH REGARDS TO SERVICING, RETURN AIR PATH, AND REFRIGERATION LINE SETS. CONTRACTOR SHALL PROVIDE AND INSTALL CONDENSATE DRAIN (CD) PUMP. EXTEND CD TO MOP SINK. TURN DOWN, SPILL INTO MOP SINK. ROUTE LIQUID AND SUCTION LINES TO CONDENSING UNIT ON ROOF AND CONNECT.
- $\left\langle 2 \right\rangle$ CONDENSING UNIT (SS-2) ON ROOF. LEVEL UNIT. SUPPORT FROM STRUCTURE.
- ROOF TOP UNIT (RTU-1). GAS SUPPLY LINE/CONDENSATE DRAIN BY OTHERS. OUTDOOR AIR AT 150 CFM.
- ROOF TOP UNIT (RTU-2). GAS SUPPLY LINE/CONDENSATE DRAIN BY OTHERS. OUTDOOR AIR AT 150 CFM.
- $\begin{picture}(5)\put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100}} \pu$
- 6 EXHAUST FAN (EF-1). WIRE EXHAUST FAN THROUGH LIGHT CIRCUIT. 4" EXHAUST AIR (EA) UP THROUGH ROOF. TERMINATE USING A CORROSION RESISTANT GALVANIZED ROOF OUTLET. COORDINATE COLOR WITH OWNER/ARCHITECT.
- 7 EXHAUST FAN (EF-2). WIRE EXHAUST FAN THROUGH LIGHT CIRCUIT. 4" EXHAUST AIR (EA) UP THROUGH ROOF. TERMINATE USING A CORROSION RESISTANT GALVANIZED ROOF OUTLET. COORDINATE COLOR WITH OWNER/ARCHITECT.
- 8 EXHAUST FAN (EF-3). WIRE EXHAUST FAN THROUGH LIGHT CIRCUIT. 4" EXHAUST AIR (EA) UP THROUGH ROOF. TERMINATE USING A CORROSION RESISTANT GALVANIZED ROOF OUTLET. COORDINATE COLOR WITH OWNER/ARCHITECT.
- $\left\langle 9 \right\rangle$ ALL SUPPLY/RETURN DUCTS ABOVE CEILING GRID SHALL BE INSULATED.



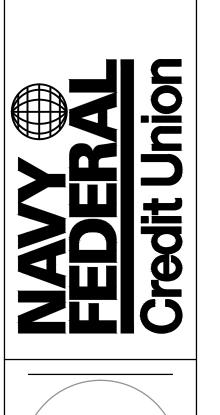
FLOOR PLAN - MECHANICAL - NEW SCALE: 1/4" = 1'-0"

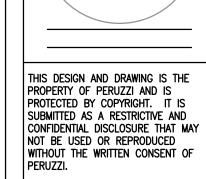
PROGRESS SET FOR REVIEW NOT FOR CONSTRUCTION

PERUZZ

3048 N THOMPSON LANE MURFREESBORO, TN 37129 TEL 615 . 907 . 9955

KIDWELL
ENGINEERING, INC.
333 EAST MAIN STREET, SUITE 501
LOUISVILLE, KY 40202
PHONE:(502) 414-4545
FAX:(502) 414-4560
COPYRIGHT 2012
KIDWELL ENGINEERING INC.





THIS DRAWING REPRESENTS A
PRELIMINARY DESIGN UNTIL SUCH TIME
AS THE ARCHITECT HAS AFFIXED HIS
SEAL AND SIGNATURE HERETO.

No: DATE: REVISIONS:

NAVY FEDERAL
CREDIT UNION
4021 N. DIXIE HIGHWAY
SUITES 111
ELIZABETHTOWN . KY . 42701

PROJECT NUMBER:
2014-0100
DRAWING DATE:
MARCH . 31 . 2013
DRAWING SCALE:

M101

DRAWN BY:

HVAC ABBREVIATIONS

CP CONTROL PANEL
PRV PRESSURE REDUCING VALVE
CW CITY WATER
BFP BACK FLOW PREVENTER
SP STATIC PRESSURE
VD VOLUME DAMPER

STATIC PRESSURE

VOLUME DAMPER

DEGREE FAHRENHEIT

WET BULB

TENTERING AIR TEMPERAURE

VT ENTERING WATER TEMPERATURE

EWT ENTERING WATER TEMPERATURE

LAT LEAVING AIR TEMPERATURE

LWT LEAVING WATER TEMPERATURE

ENT ENTERING

DIFFERENTIAL (DELTA) TEMPERATURE

ΔP DIFFERENTIAL (DELTA) PRESSURE
ASHRAE AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS

L LENGTH
W WIDTH
HP HORSEPOWER
GPM GALLONS PER MINIUT

GPM GALLONS PER MINUTE
WTR WATER
F FILTER

F FILTER DN DOWN D DRAIN

TCP TEMPERATURE CONTROL PANEL
ET EXPANSION TANK
APD AIR PRESSURE DROP
OF OUTER DIAMTER

SG FT SQUARE FEET
TSP TOTAL STATIC PRESSURE
OA OUTSIDE AIR

MIN MINIMUM

TOT TOTAL

V/φ/Hz VOLTS/ELECTRICAL PHASE/HERTZ

kW KILOWATT
PSIG POUNDS PER SQUARE INCH GAGE
G/R/D/L GRILLE/REGISTER/DIFFUSER/LOUVER

DPT DIFFERENTIAL PRESSURE TRANSMITTER
DPS DIFFERENTIAL PRESSURE SWITCH
HWS HOT WATER SUPPLY
HWR HOT WATER RETURN
GLPS GROUND LOOP PUMP SUPPLY
GLPR GROUND LOOP PUMP RETURN
HPLS HEAT PUMP LOOP SUPPLY

HPLR HEAT PUMP LOOP RETURN
WSHP WATER SOURCE HEAT PUMP
UNO UNLESS NOTED OTHERWISE
FD FLOOR DRAIN

AHU AIR HANDLING UNIT

AFF ABOVE FINISHED FLOOR

CFM CUBIC FEET PER MINUTE

DB DRY BULB

Ø/DIA. DIAMETER

ø/DIA. DIAMETER
 EF EXHAUST FAN
 EER ENERGY EFFICIENCY RATIO
 ESP EXTERNAL STATIC PRESSURE

ESP EXTERNAL STATIC PRESSU FPF FINS PER FOOT FT FEET GA GAGE

IN INCH

MBH 1000 BTU/HOUR

NC NOISE CRITERIA

PD PRESSURE DROP

PVC POLYVINYL CHLORIDE

RAG RETURN AIR GRILLE

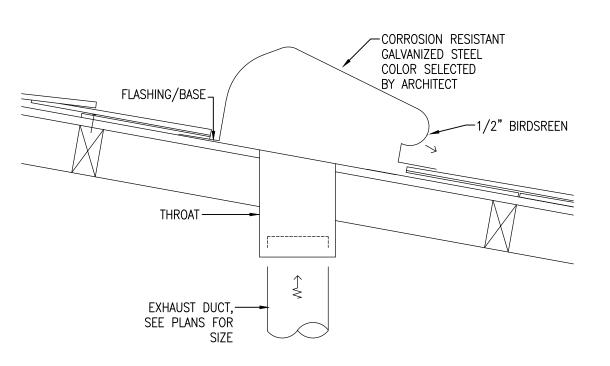
SD SUPPLU DIFFUSER
SEER SEASONAL ENERGY EFFICIENCY RATIO

RETURN AIR REGISTER

SR SUPPLY REGISTER
SS STAINLESS STEEL
AS AIR SEPARATOR
DDC DIRECT DIGITAL CONTROLS
TT TEMPERATURE TRANSMITTER

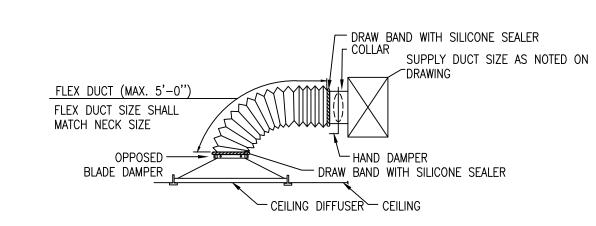
PSI POUNDS PER SQUARE INCH
N.O. NORMALLY OPEN
FLEX FLEXIBLE
ER EXHAUST REGISTER
EG EXHAUST GRILLE

CWS CONDENSER WATER SUPLY
CWR CONDENSER WATER RETURN
CD CONDENSATE DRAIN
CHWS CHILLED WATER SUPPLY
CHWR CHILLED WATER RETURN



ROOF EXHAUST OUTLET





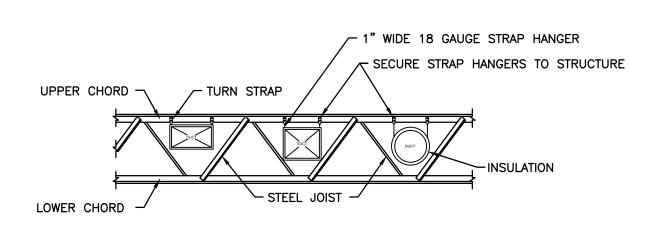


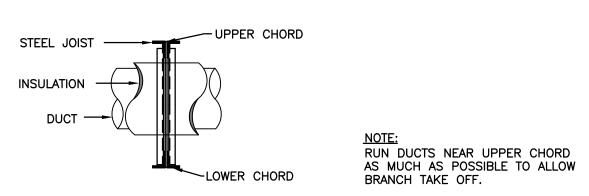
FLEXIBLE DUCT CONNECTION DETAIL

SCALE: NONE

\$PECIFICATION FOR JOINING AND ATTACHING FLEXIBLE DUCT

- A) METALLIC FLEXIBLE DUCT SHALL BE ATTACHED USING A MINIMUM OF THREE (3) #8 SHEET METAL SCREWS EQUALLY SPACED AROUND THE DUCT'S CIRCUMFERENCE. DUCTS LARGER THAN TWELVE (12) INCHES DIAMETER SHALL HAVE A MINIMUM OF FIVE (5) #8 SHEET METAL SCREWS. SCREWS SHALL BE LOCATED AT LEAST EIGHT (8) INCHES FROM THE DUCT END.
- B) NON-METALLIOC FLEXIBLE DUCT SHALL BE SECURED TO THE SLEEVE OR COLLAR USING A DRAW BAND. IF THE COLLAR EXCEEDS 12 INCHES DIAMETER, THE DRAW BAND MUST BE POSITIONED BEHIND A BEAD ON THE METAL COLLAR.
- C) INSULATION AND VAPOR BARRIERS PRESENT ON FACTOREY—FABRICATED DUCTS SHALL BE FITTED OVER THE CORE CONNECTION AND SHALL BE SUPPLEMENTALLY SECURED WITH A DRAW BAND.
- D) FLEXIBLE DUCT SEALING SHALL BE A CLASS "B" FOR LOW PRESSURE DUCT.





SA / RA / EA / OA G/L/D SCHEDULE									
UNIT TAG	SIZE	CFM	REMARKS						
SD-1	REFER TO DRAWING	REFER TO DRAWING	1 THRU 6						
RG-1	REFER TO DRAWING	REFER TO DRAWING	1 THRU 6						
REMARKS 1. ALL GRILLES TO BE ALUMINUM CONSTRUCTION, WHITE BAKED ENAMEL FINISH, WITH 1/2" X 1/2" EGG—CRATE GRID SPACING. 2. ALL TYPES AND SIZES MAY NOT APPLY 3. EXHAUST/RETURN GRILLES SHALL BE FURNISHED WITH OPPOSED BLADE DAMPER. 4. APPROVED MFGRS: ANEMOSTAT, CARNES, TITUS, TUTTLE & BAILEY, PRICE. 5. ALL GRILLES TO BE FURNISHED WITH BORDER/FRAME 6. REF. TO SPEC'S FOR ADDITIONAL REQUIREMENTS.									

EXHAUST FAN SCHEDULE										
ANUFACTURER	MODEL #	LOCATION/SERVICE	CFM	ELECTRICAL DATA	REMARKS					
GREENHECK	SP-B80	RESTROOM	80	54 W @ 120V/1φ/60Hz						
GREENHECK	SP-B50	JANITOR'S CLOSET	50	37.8 W @ 120V/1φ/60Hz						
(ANUFACTURER GREENHECK	ANUFACTURER MODEL # GREENHECK SP-B80	ANUFACTURER MODEL # LOCATION/SERVICE GREENHECK SP-B80 RESTROOM	ANUFACTURER MODEL # LOCATION/SERVICE CFM GREENHECK SP-B80 RESTROOM 80	ANUFACTURER MODEL # LOCATION/SERVICE CFM ELECTRICAL DATA GREENHECK SP-B80 RESTROOM 80 54 W @ 120V/1¢/60Hz					

SPLIT SYSTEM UNIT (INDOOR UNIT)										
				CFM I	RANGE	HEATING / COOI	LING COIL DATA	ELECTRICA	ELECTRICAL DATA	
UNIT TAG	MANUFACTURER	MODEL #	AREA SERVED	MINIMUM	MAXIMUM	HTG. CAP. (Btu/h) CLG. CAP. (Btu/h)		V/φ/Hz	MCA / MOCP	REMARKS
SS-1	MITSUBISHI	MSY-A15NA	DATA COM 117	268	419	15,000		208-230/1/60	14 A	1
REMARKS: MC	DUNT THERMOSTAT AT	48" A.F.F. USIN	G PART NUMBERS PA	AR-21MAA A	ND MAC-397	1F-E.				

SPLIT SYSTEM UNIT (OUTDOOR UNIT)										
					HEATING / COO					
UNIT TAG	MANUFACTURER	MODEL #	TONNAGE	AREA SERVED	NOM. HTG. CAP. (Btu/h)	NOM. CLG. CAP. (Btu/h)	V/ ϕ /Hz	MCA	RECOMMENDED BREAKER SIZE	REMARKS
SS-2	MITSUBISHI	MUY-A15NA		DATA COM 117	-	15,000	208-230/1/60	14 A	15 A	
REMARKS:										

DUCT THROUGH BAR JOIST TYPE JOISTS DETAIL

SCALE: NONE

PROGRESS SET FOR REVIEW NOT FOR CONSTRUCTION

PERUZZI

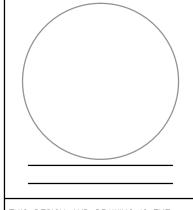
3048 N THOMPSON LANE MURFREESBORO, TN 37129 TEL 615 . 907 . 9955

KIDWELL ENGINEERING, INC. 333 EAST MAIN STREET, SUITE 501 LOUISVILLE, KY 40202 PHONE:(502) 414-4545 FAX:(502) 414-4560

COPYRIGHT 2012

KIDWELL ENGINEERING INC.





THIS DESIGN AND DRAWING IS THE PROPERTY OF PERUZZI AND IS PROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND CONFIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF PERUZZI.

THIS DRAWING REPRESENTS A

PRELIMINARY DESIGN UNTIL SUCH TIME AS THE ARCHITECT HAS AFFIXED HIS SEAL AND SIGNATURE HERETO.

NAVY FEDERAL
CREDIT UNION
4021 N. DIXIE HIGHWAY
SUITES 111
SUITES 111

PROJECT NUMBER:
2014-0100

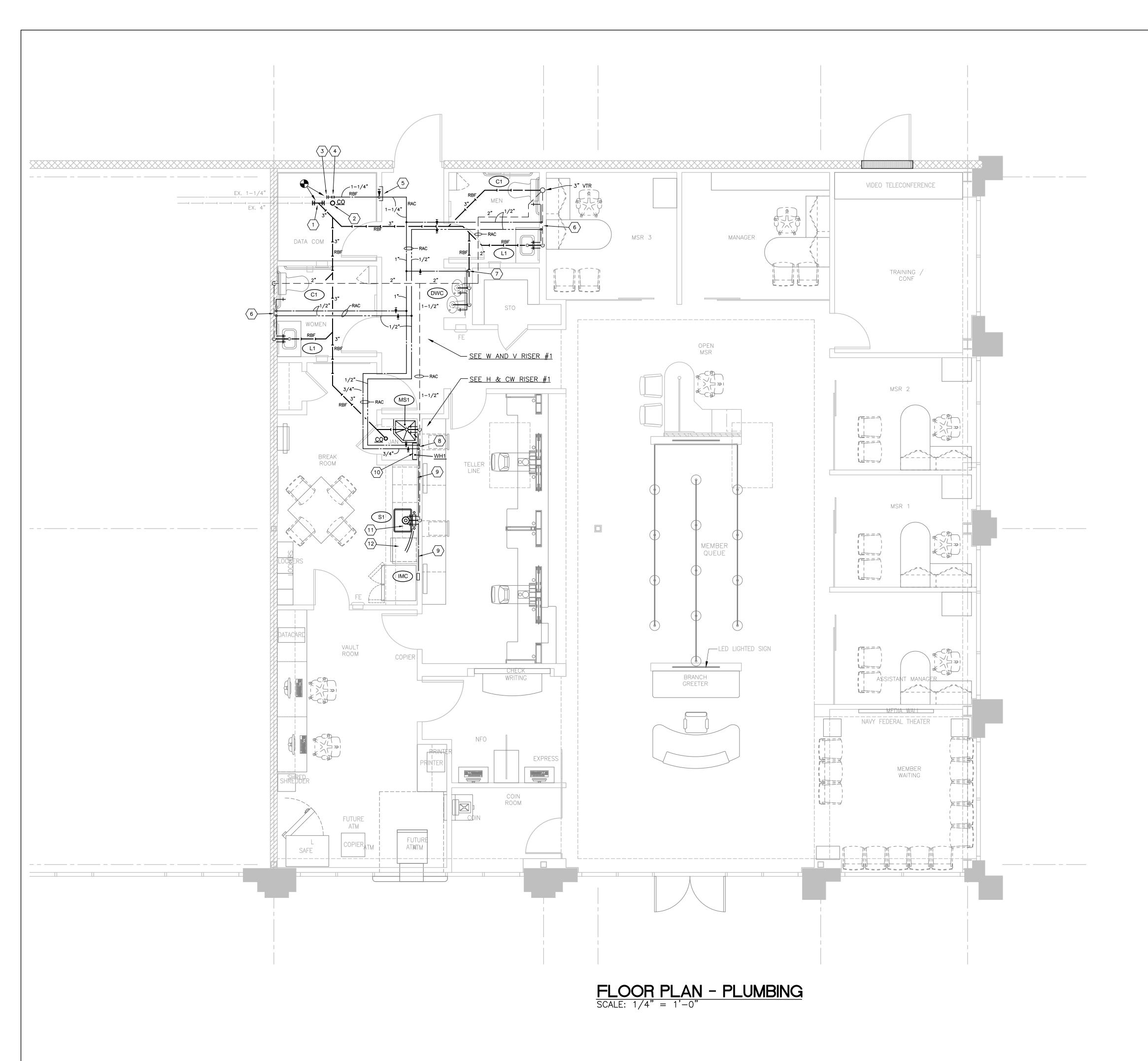
DRAWING DATE:
MARCH . 31 . 2013

DRAWING SCALE:
NONE

M102

DRAWN BY:

TH



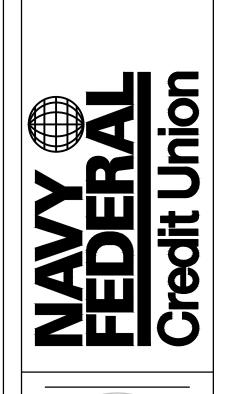
SHEET KEY NOTES:

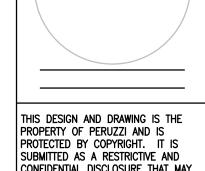
- CONNECT NEW SOIL OR WASTE LINE TO EXISTING LINE BELOW FLOOR AT APPROXIMATELY THIS LOCATION. VERIFY INVERT ELEVATION WILL WORK BEFORE STARTING ANY WORK.
- 2 REWORK EXISTING 4" STUB UP AND PROVIDE A CLEAN OUT AT THIS LOCATION.
- CONNECT NEW 1-1/4" COLD WATER LINE TO EXISTING COLD WATER LINE BELOW FLOOR AT APPROXIMATELY THIS LOCATION.
- 4 REMOVE EXISTING COLD WATER SERVICE STUB UP.
- 5) 1-1/4" COLD WATER LINE UP IN WALL FROM BELOW FLOOR. PROVIDE MAIN SHUT-OFF VALVE WITH TAG AND AN ACCESS PANEL IN WALL. CENTERLINE OF VALVE TO BE APPROXIMATELY 18" A.F.F.
- 6 1/2" HOT AND COLD WATER LINES DOWN ON WALL TO FIXTURES.
- $\langle 7 \rangle$ 1/2" COLD WATER LINE DOWN IN WALL TO DUAL WATER COOLER.
- 8 1/2" HOT AND COLD WATER LINES DOWN IN WALL. EXTEND TO 2 COMP. SINK, WATER HEATER, DISPOSAL, ETC. REFER TO HOT AND COLD WATER RISER DIAGRAM #1 FOR ADDITIONAL INFORMATION.
- 9 ROUTE WATER LINES IN WALL ABOVE FLOOR. AVOID CONFLICT WITH OTHER TRADES.
- 10 INSTANTANEOUS WATER HEATER MOUNTED ON WALL. REFER TO WATER HEATER PIPING DIAGRAM AND HOT AND COLD WATER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- FURNISH AND INSTALL A DISPOSAL UNIT ON SINK. REFER TO PLUMBING FIXTURE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PLUMBING CONTRACTOR TO MAKE A FINAL PLUMBING CONNECTIONS TO DISHWASHER.

PERUZZI

MURFREESBORO, TN 37129 TEL 615.907.9955

KIDWELL
ENGINEERING, INC.
333 EAST MAIN STREET, SUITE 501
LOUISVILLE, KY 40202
PHONE:(502) 414-4545
FAX:(502) 414-4560
COPYRIGHT 2012
KIDWELL ENGINEERING INC.





SUBMITTED AS A RESTRICTIVE AND CONFIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF PERUZZI.

THIS DRAWING REPRESENTS A PRELIMINARY DESIGN UNTIL SUCH TIME AS THE ARCHITECT HAS AFFIXED HIS SEAL AND SIGNATURE HERETO.

AS THE ARCHITECT HAS AFFIXED HIS SEAL AND SIGNATURE HERETO.

AVY FEDERAL
REDIT UNION
11 N. DIXIE HIGHWAY
SUITES 111

PROJECT NUMBER:
2014-0100
DRAWING DATE:
MARCH . 31 . 2013
DRAWING SCALE:

P101

DRAWN BY:

PROGRESS SET FOR REVIEW NOT FOR CONSTRUCTION

PLUMBING SPECIFICATIONS

- (A) APPLICABLE PROVISIONS OF THE GENERAL FOR MECHANICAL AND ELECTRICAL INSTALLATIONS, GENERAL AND SPECIAL CONDITIONS AND INSTRUCTIONS TO BIDDERS AND ALL OTHER CONTRACT DOCUMENTS, GOVERN WORK UNDER THIS SECTION.
- (B) THE CONTRACTOR SHALL PROVIDE ALL ITEMS, ARTICLES, MATERIALS, OPERATIONS OR METHODS LISTED, MENTIONED, OR SCHEDULED ON THE DRAWINGS AND INCIDENTALS NECESSARY AND REQUIRED FOR THEIR COMPLETION.

2. WORK INCLUDED:

1. GENERAL:

- (A) THIS SECTION INCLUDES THE FURNISHING AND INSTALLATION OF ALL NECESSARY LABOR, MATERIALS, FEES, EQUIPMENT INCIDENTAL TO COMPLETE INSTALLATION OF ALL PLUMBING AND DRAINAGE AS SHOWN ON DRAWINGS AND AS HEREIN SPECIFIED.
- (B) ALSO INCLUDED ARE ANY MATERIALS OR DEVICES IN ACCORDANCE WITH THE BEST METHODS FOR FIRST CLASS PRACTICE AND ALL APPLICABLE LAWS OF THE STATE BOARD OF
- (C) ALL WORK TO BE INSPECTED AND APPROVED BY THE LOCAL PLUMBING INSPECTOR AND THE PLUMBING OFFICE OF THE STATE BOARD OF HEALTH. ALL INSTALLATIONS MUST BE IN ACCORDANCE WITH N.F.P.A., U.L., K.E.C., AND N.E.C.

3. SOIL, WASTE, AND VENT PIPING:

- (A) SOIL, WASTE, AND VENT PIPING, 3" AND LARGER INSIDE BUILDING, SHALL BE SCHEDULE 40 PVC WITH SOLVENT CEMENTED FITTINGS, UNLESS OTHERWISE INDICATED ON DRAWINGS.
- (B) ALL SOIL, WASTE, AND VENT PIPING IN EARTH BELOW FLOOR, SHALL BE SCHEDULE 40 PVC WITH SOLVENT CEMENTED FITTINGS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- (C) WASTE AND VENT PIPING 2 1/2" AND SMALLER SIZE, IF ABOVE GROUND, SHALL BE DWV COPPER PIPE WITH WROUGHT FITTINGS OR SCHEDULE 40 PVC PIPE AND FITTINGS WHERE APPROVED BY CODE.
- (D) WHERE COPPER PIPE IS USED FOR WASTE OR VENT PIPING, WASTE FITTINGS BRASS ALLOY DRAINAGE TYPE ASSEMBLED WITH 95-5 SOLDER. WHERE COPPER PIPE IS CONNECTED TO SOIL PIPE, A RED BRASS ALLOY SOIL PIPE ADAPTER SHALL BE USED.
- (E) HORIZONTAL PIPING PITCHED A MINIMUM OF 1/8" PER FOOT. ALL BRANCHES SHALL BE WITH "Y" BRANCH FITTINGS.
- (F) ALL FIXTURES REVENTED ACCORDING TO CODE.
- (G) ALL DRAINAGE AND VENT SYSTEM PIPING RUN IN PIPE SPACES, FURRED SPACES, CHASES, WALLS AND PARTITIONS UNLESS OTHERWISE SHOWN OR PERMITTED.

4. <u>CLEANOUTS:</u>

- (A) CLEANOUTS SHALL BE INSTALLED AT THE BASE OF ALL EXPOSED STACKS, AT NOT LESS THAN 50 FOOT INTERVALS IN ALL SOIL AND WASTE LINES, AT CHANGES IN DIRECTION OF HORIZONTAL LINES, WHERE REQUIRED, TO PERMIT RODDING OF ALL PARTS OF THE SYSTEM, WHERE NOTED ON PLANS AND AS HEREIN SPECIFIED OR REQUIRED BY CODE.
- (B) CLEANOUTS IN WALLS ZURN Z-1445-1 OR APPROVED EQUAL. ACCESS COVER TO BE POLISHED NICKEL BRONZE.
- (C) CLEANOUTS IN COPPER LINES NIBCO NO. 816 OR 817 AS REQUIRED. WHERE CONCEALED, SAME SHALL BE FURNISHED WITH ZURN 1460-9, OR APPROVED EQUAL.
- (D) CLEANOUTS IN CARPETED FLOORS, ZURN Z-1400-14, OR APPROVED EQUAL, WITH POLISHED BRONZE TOP WITH SCREW.

5. INSULATION:

- (A) THE FOLLOWING LINES AND MATERIALS SHALL BE INSULATED AS HEREIN SPECIFIED:
 1) ALL ABOVE GROUND COLD WATER LINES
 2) ALL HOT WATER LINES
- (B) PIPING SPECIFIED ABOVE SHALL BE COVERED WITH 1" MOLDED FIBERGLASS HAVING WHITE FACTORY APPLIED VAPOR BARRIER JACKET. ALL JOINTS TO BE SEALED WITH MASTIC. FITTINGS COVERED WITH FIBERGLASS BLANKET—TYPE INSULATION BUILT UP TO THE ADJACENT PIPE COVERING, TAPED AND COATED WITH MASTIC. FITTINGS SHALL BE FINISHED WITH ONE PIECE PVC FITTING COVER.

6. <u>HANGERS:</u>

- (A) ALL HORIZONTAL AND VERTICAL PIPING ABOVE GROUND SUPPORTED AS HEREIN SPECIFIED OR DETAILED ON DRAWINGS.
- (B) HORIZONTAL PIPING SHALL BE SUPPORTED AS PER THE

FOLLOWING SCHEDULE:

	MINIMUM	MINIMUM
PIPE SIZE	ROD DIAMETER	SPACING
UP TO 3/4"	3/8"	6'-0"
1" TO 1 1/4"	3/8"	8'-0"
1 1/2" & 2"	3/8 "	10'-0"
2 1/2", 3", & 3	1/2" 1/2"	10'-0"
4", 5", & 6"	5/8"	12'-0"

7. <u>WATER VALVES:</u>

(A) FURNISH AND INSTALL VALVES WHERE INDICATED ON DRAWINGS.
 ALSO, INSTALL CUT-OFF VALVES ON EACH PIECE OF
 EQUIPMENT SO THAT SAME MAY BE ISOLATED FROM THE SYSTEM.
 (B) VALVES SHALL BE FULL PORT, (2) PIECE LEAD FREE BALL VALVES.

8. WATER PIPING

- (A) ABOVE GROUND DOMESTIC HOT AND COLD WATER SHALL BE TYPE "L" COPPER WITH WROUGHT COPPER SOLDER FITTINGS.
- (B) EXTEND HOT AND COLD WATER PIPING THROUGH BUILDING AND CONNECT TO ALL FIXTURES REQUIRING SAME.
- (C) EACH FIXTURE SHALL HAVE STOPS ON SUPPLIES.
- (D) ALL COPPER JOINTS TO BE ASSEMBLED WITH LEAD FREE SOLDER.

9. CLEANING AND FINISHING:

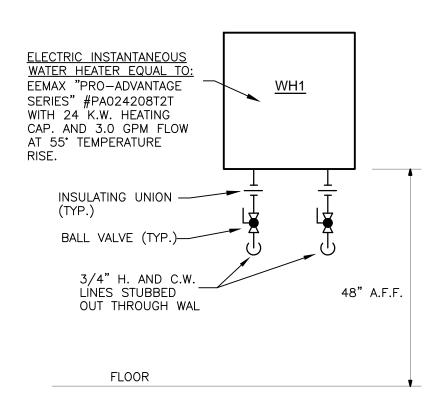
- (A) AFTER ALL FIXTURES ARE INSTALLED AND BEFORE FINAL ACCEPTANCE OF WORK, THE CONTRACTOR SHALL GO OVER ALL FIXTURES, CLEANING UP AND POLISHING ALL METAL PARTS, CHECKING AND ADJUSTING ALL FITTINGS, FAUCETS, VALVES, ETC. CHECK OVER THE ENTIRE SYSTEM TO GUARANTEE THAT ALL VALVES, CONTROLS AND OTHER OPERATING PARTS ARE IN GOOD WORKING CONDITION.
- (B) CLEAN UP RUBBISH CAUSED BY THE PLUMBING WORK AND REMOVE ALL RUBBISH AND SURPLUS MATERIALS, ETC., FROM THE PREMISES.

10. <u>TESTING:</u>

- (A) WATER PIPING SHALL BE TESTED TO 150 POUNDS HYDROSTATIC PRESSURE AND MADE TIGHT. THE PRESSURE SHALL BE HELD FOR A MINIMUM OF THIRTY MINUTES OR AS LONG AS REQUIRED TO PERMIT THE INSPECTION OF ALL JOINTS.
- (B) SOIL, WASTE AND VENT PIPING SHALL BE GIVEN A WATER TEST BEFORE FIXTURES ARE INSTALLED AND A SMOKE TEST AFTER THEY ARE INSTALLED. ALL TESTS SHALL MEET THE REQUIREMENTS OF THE STATE DIVISION OF PLUMBING.

11. PLUMBING FIXTURES — GENERAL REQUIREMENTS:

- (A) FURNISH AND INSTALL FIXTURES IN ACCORDANCE WITH THE DRAWINGS AND SCHEDULE.
- (B) ALL TRAPS SHALL BE APPROVED TYPE WITH CLEANOUTS LOCATED AS CALLED FOR ON DRAWINGS OR AS REQUIRED BY THE STATE OR LOCAL PLUMBING CODE.
- (C) UNLESS OTHERWISE SPECIFIED, ALL EXPOSED FIXTURES, BRASS GOODS AND TRIMMINGS, INCLUDING FAUCETS, SUPPLIES AND STOPS, TRAPS, WASTES, STRAINERS, ESCUTCHEONS, SHALL BE CHROME PLATED BRASS.



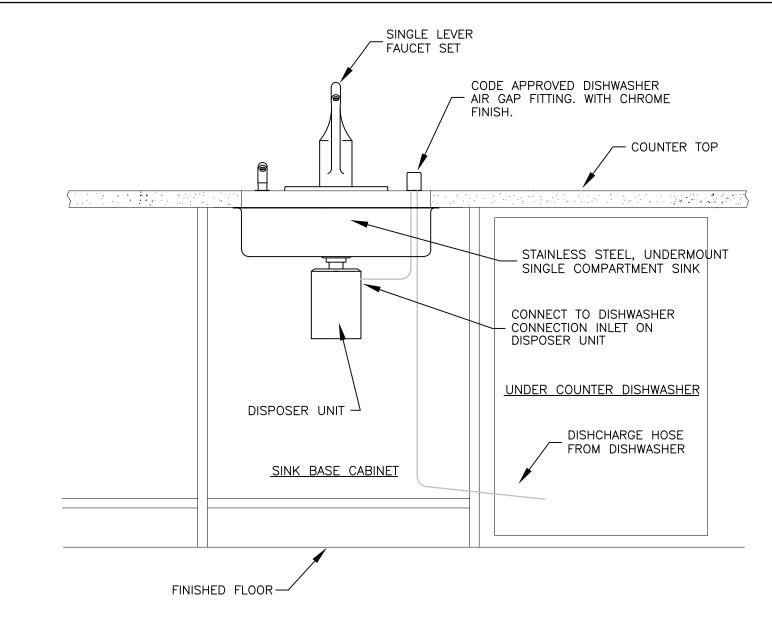
 WATER HEATER TO BE MOUNTED ON WALL AS PER THE MANUFACTURERS REQUIREMENTS.

- 2. SET OUTLET TEMPERATURE TO 105°
- PROVIDE REPLACEABLE CARTRIDGE WATER FILTER
 ON COLD WATER INLET LINE. PROVIDE OWNER WITH
 (1) REPLACEMENT FILTER CARTRIDGE.
- 4. PROVIDE WITH A THERMAL LIMIT SAFETY SWITCH TO SHUT DOWN UNIT IF OUTLET TEMPERATURE REACHES AN UNSAFE TEMPERATURE

WATER HEATER PIPING DIAGRAM

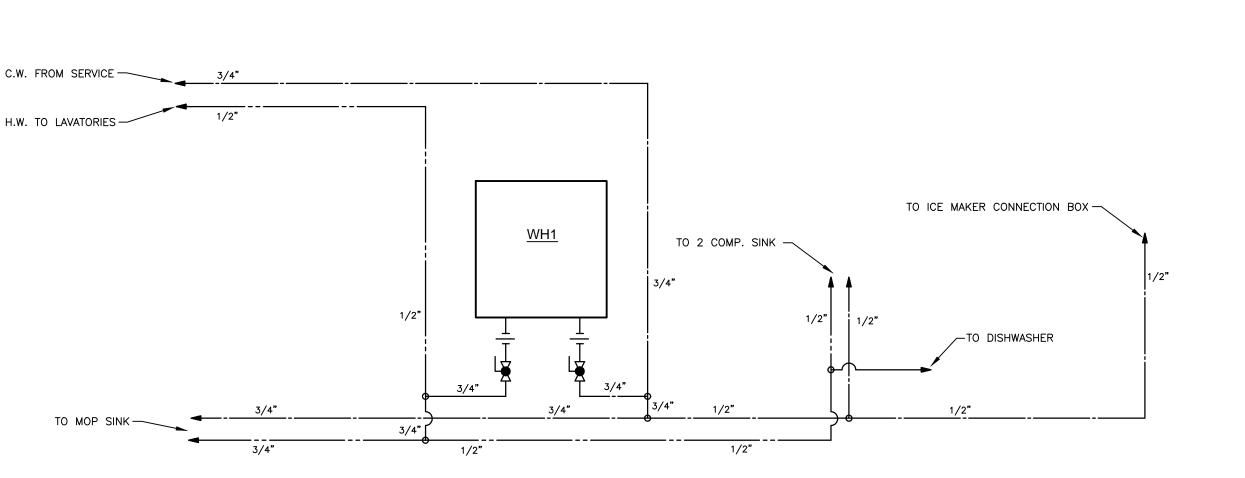
S1

DISPOSAL



KITCHEN SINK/DISPOSER/DISHWASHER DRAIN PIPING DIAGRAM
SCALE: NONE

1-1/4" 1-1/4" 2" 1-1/4" 1-1/4" 2" 1-1/4" 1-



HOT AND COLD WATER RISER DIAGRAM #1

SCALE: NONE

O PLUMBING FIXTURE/EQUIPMENT SCHEDULE

- C1 KOHLER K-3493 PRESSURE ASSISTED, ADA HEIGHT, VITREOUS CHINA, ELONGATED, FLOOR SET, TANK TYPE WATER CLOSET WITH 1.6 GPF. PROVIDE A BENEKE MODEL NO. 523 OPEN FRONT WHITE SEAT LESS COVER, 3/8" CHROME SUPPLY, AND ANGLE STOP.
- L1 CORIAN MODEL NO. 810 UNDERMOUNT LAVATORY WITH FRONT OVERFLOW.
 PROVIDE WITH A KOHLER K-15199 4" CENTER SET FAUCET WITH SINGLE
 LEVER HANDLE, 1.5 GPM AERATORS, LESS POP-UP. ALSO PROVIDE GRID
 STRAINER DRAIN, 1-1/4" CHROME P-TRAP WITH CLEAN OUT, 3/8" CHROME
 SUPPLIES, ANGLE STOPS, AND TRAP AND SUPPLY WRAP KIT.
- S1 ELKAY ELUHAD21-15, UNDER MOUNT, SINGLE COMPARTMENT, STAINLESS STEEL SINK WITH 3-1/2" DRAIN OPENING. PROVIDE A KOHLER K-15072-P, CHROME PLATED, KITCHEN FAUCET WITH SINGLE LEVER CONTROL AND SWING SPOUT, INSINKERATOR "BADGER 5" DISPOSAL UNIT WITH DISHWASHER CONNECTION, 3/8" CHROME SUPPLIES, AND ANGLE STOPS.
- DWC ELKAY MODEL NO. VRCTL8SC TWO STATION WALL MOUNT BARRIER FREE WATER COOLER, NO LEAD WITH FILTER 3/8" CHROME SUPPLIES, ANGLE STOPS, 1-1/4" CHROME P-TRAPS, WALL BLOCKING AND ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION.
- IMC OATLEY MODEL NO. 38680 ICE MAKER CONNECTION BOX WITH 1/4 TURN BALL VALVE.
- MS1 FIAT MODEL TSB3000 TERAZZO, 24"x24" MOP BASIN WITH A 3" DRAIN CONNECTION AND DRAIN ASSEMBLY, #830—AA SERVICE SINK FAUCET, #832—AA HOSE AND HOSE BRACKET, AND (2) DURAGUARD WALL GUARDS ON ADJACENT WALLS. MOP HANGER AND SHELF BY G.C..

NOTE: P.C. SHALL FURNISH AND INSTALL BROCAR PRODUCTS, INC. "TRAP WRAP" KIT NO. 500R ON ALL EXPOSED LAVATORY OR SINK TRAPS AND SUPPLIES. KIT TO INCLUDE TAILPIECE, P—TRAP, WASTE ARM, HOT AND COLD WATER VALVE AND LINE COVERS.

NOTE: PLUMBING FIXTURES AND TRIM SPECIFIED IN THIS SCHEDULE ARE TO ESTABLISH A STANDARD LEVEL OF QUALITY. OTHER MANUFACTURERS MAY BE CONSIDERED EQUAL IN QUALITY AND FUNCTION. SEE LISTINGS BELOW FOR SOME MANUFACTURERS CONSIDERED EQUALS. OTHER MANUFACTURERS NOT LISTED BELOW MAY ALSO BE CONSIDERED WITH WRITTEN APPROVALS OBTAINED FROM ARCHITECT AND/OR ENGINEER PRIOR TO TEN DAYS BEFORE BIDS ARE DUE.

OTHER MANUFACTURERS CONSIDERED EQUALS

<u>PLUMBING FIXTURES:</u> AMERICAN STANDARD, SLOAN, KOHLER, BRADLEY, MUSTEE, FIAT, STERN WILLIAMS.

STAINLESS STEEL SINKS: ELKAY, JUST, ACORN.

SPEAKMAN, POWERS, SYMMONS

FAUCETS, FLUSH VALVES
AMERICAN STANDARD, KOHLER, SLOAN, ELKAY, MOEN, T & S,

WATER COOLERS: ELKAY, OASIS, SUNROC.

PLUMBING FIXTURE COLORS SHALL BE SELECTED BY ARCHITECT/OWNER AT A LATER DATE FROM STANDARD FACTORY COLORS, UNLESS NOTED TO BE DESIGNER COLOR.

PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY TRIM, HANGERS, SUPPORTS, ETC., FOR COMPLETE AND PROPER INSTALLATION OF PLUMBING FIXTURES, EQUIPMENT, ETC., AS REQUIRED.

PLUMBING FIXTURE/EQUIP. CONNECTION SCHEDULE

PLUMBING FIXTURE/EQUIPM	SOIL OR WASTE	CW.	HW.	
WATER CLOSET	С	3"	1/2"	
LAVATORY	L	1 1/4"	1/2"	1/2"
SINK	S	1 1/2"	1/2"	1/2"
MOP SINK	MS	3"	3/4"	3/4"
DUAL WATER COOLER	DWC	1 1/4"	1/2"	
ICE MAKER CONNECTION BOX	IMC		1/2"	

PLUMBING SYMBOLS/ABBREVIATIONS

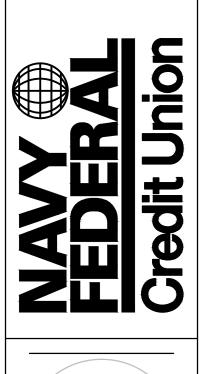
<u></u>	NEW UNDERGROUND SOIL OR WASTE LINE NEW ABOVE GROUND SOIL OR WASTE LINE
	NEW VENT LINE
	NEW COLD WATER LINE
	NEW HOT WATER LINE
	EXISTING UNDERGROUND SOIL OR WASTE LINE
	EXISTING VENT LINE
	EXISTING COLD WATER
	VALVE INSTALLED IN VERTICAL LINE
<u> </u>	VALVE INSTALLED IN HORIZONTAL LINE
>	BALL VALVE
A.F.F.	ABOVE FINISHED FLOOR
PVC	POLYVINYL CHLORIDE
CO	CLEAN OUT
F&I	FURNISH & INSTALL
ΙE	INVERT ELEVATION
PC	PLUMBING CONTRACTOR
ABV	ABOVE
T&P	TEMPERATURE & PRESSURE
WC	WATER CLOSET
L	LAVATORY
S	SINK
MS	MOP SINK
DWC	DUAL WATER COOLER
RBF	ROUTED BELOW FLOOR
RAC	ROUTED ABOVE CEILING
PLBG	PLUMBING
GC VTD	GENERAL CONTRACTOR
VTR WHA	VENT THRU ROOF WATER HAMMER ARRESTOR
CLG	CEILING

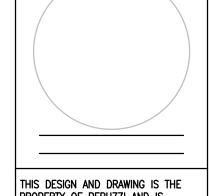
PROGRESS SET FOR REVIEW
NOT FOR CONSTRUCTION



MURFREESBORO, TN 37129 TEL 615 . 907 . 9955

KIDWELL
ENGINEERING, INC.
333 EAST MAIN STREET, SUITE 501
LOUISVILLE, KY 40202
PHONE:(502) 414-4545
FAX:(502) 414-4560
COPYRIGHT 2012
KIDWELL ENGINEERING INC.





THIS DESIGN AND DRAWING IS THE PROPERTY OF PERUZZI AND IS PROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND CONFIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF PERUZZI.

THIS DRAWING REPRESENTS A

PRELIMINARY DESIGN UNTIL SUCH TIME AS THE ARCHITECT HAS AFFIXED HIS SEAL AND SIGNATURE HERETO.

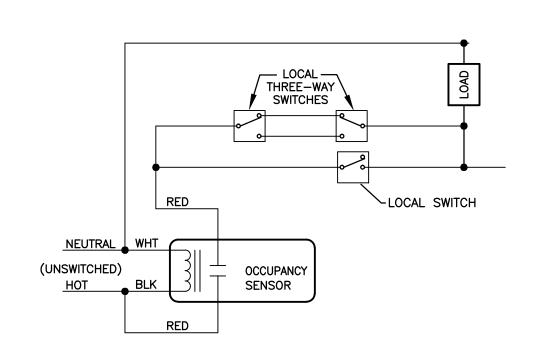
C FEDERAL
DIT UNION
DIXIE HIGHWAY
UITES 111
HTOWN . KY . 42701

CREDIT UI
4021 N. DIXIE HI
SUITES 1.
ELIZABETHTOWN .

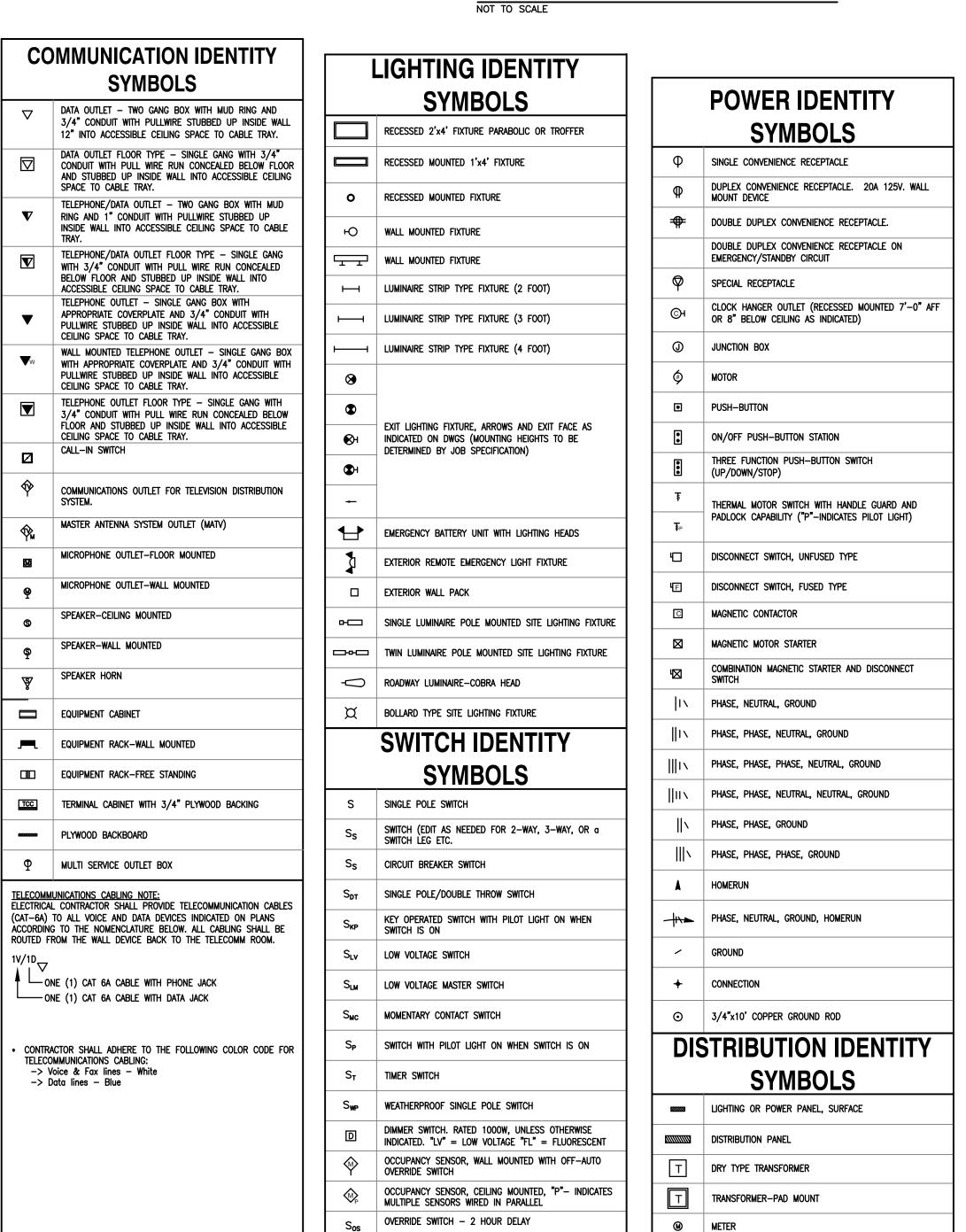
PROJECT NUMBER:
2014-0100
DRAWING DATE:
MARCH . 31 . 2013
DRAWING SCALE:

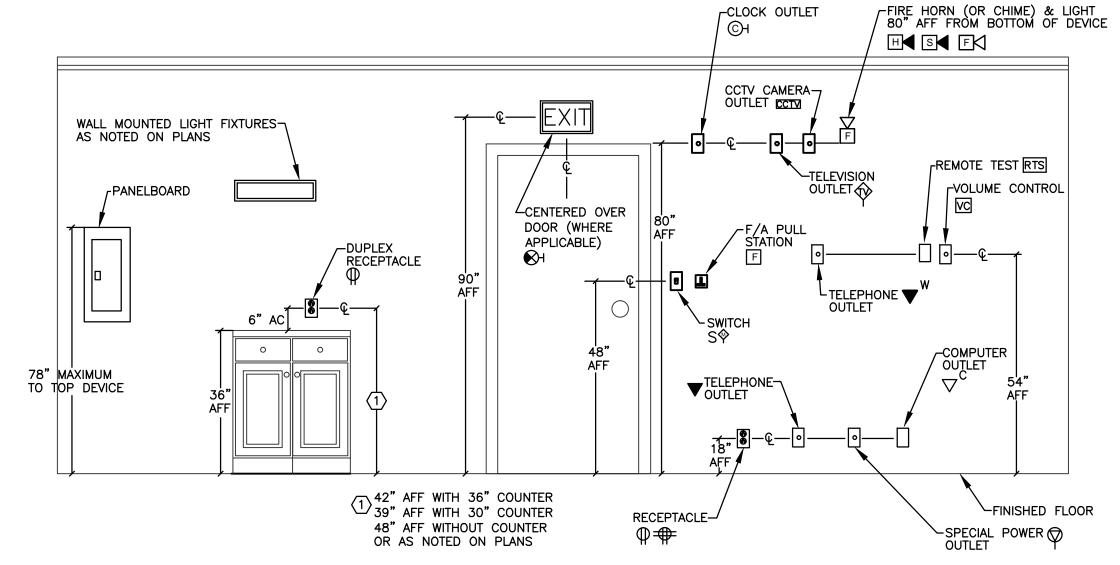
DRAWN BY:

P102



TYPICAL LINE VOLTAGE OCCUPANCY **SENSOR WIRING DIAGRAM**





TYPICAL ELECTRICAL DEVICE MOUNTING HEIGHT DETAIL

GENERAL ELECTRICAL NOTES

- DRAWINGS ARE DIAGRAMMATIC. ALL DIMENSIONS SHOWN ARE APPROXIMATE. ALL LOCATIONS SHALL BE FIELD VERIFIED.
- ALL CONNECTIONS TO EQUIPMENT SUBJECT TO MOVEMENT OR VIBRATION SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, NOT LESS
- THAN 12" IN LENGTH, NOR GREATER THAN 36" IN LENGTH. ALL CONDUIT PENETRATIONS SHALL BE SEALED WITH APPROPRIATE CONDUIT SEALING MATERIAL.
- 4. ALL CONDUCTOR SIZES INDICATED ARE BASED UPON COPPER
- 5. FIELD VERIFY LOCATIONS OF BUILDING EXPANSION JOINTS WHEN
- ROUTING CONDUIT. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE INSTALLED WITH EXPANSION FITTINGS. EXPANSION FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC, AND MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- 6. FEEDERS FROM PANEL BOARDS BACK TO MAIN SERVICE PANELBOARD. ARE NOT INDICATED ON THE FLOOR PLAN DRAWINGS. FEEDERS <u>ARE</u> PART OF THE WORK, AND SHALL BE SIZED AS INDICATED ON THE ONE
- HOME RUNS SHALL NOT BE COMBINED IN A RACEWAY UNLESS SHOWN ON THE CONTRACT DRAWINGS. SINGLE PHASE BRANCH CIRCUIT HOME RUNS MAY BE COMBINED AT THE CONTRACTOR'S DISCRETION NOT GREATER THAN (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, AND A GROUNDING CONDUCTOR.
- EACH SINGLE PHASE BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. DO NOT SHARE NEUTRAL CONDUCTORS.
- CONDUITS 2" AND LARGER THAT PENETRATE EXTERIOR WALLS SHALL USE LINK-SEALS.
- REFER TO TYPICAL ELECTRICAL DEVICE MOUNTING HEIGHT DETAIL FOR ELECTRICAL DEVICE MOUNTING HEIGHTS ON THIS SHEET.
- ALL CONDUIT PENETRATIONS THRU RATED WALLS SHALL BE SEALED WITH APPROPRIATE FIRE STOPPING MATERIAL.
- 12. VERIFY DEVICE/COVERPLATE COLOR WITH SPECIFICATIONS AND OWNER. 13. ALL TELECOMMUNICATIONS AND GROUNDING CONDUCTOR CONDUITS TO

BE PROVIDED WITH GROUND BUSHINGS AT BOTH ENDS.

SHEET INDEX ELECTRICAL SYMBOL LEGEND, DETAILS, LUMINAIRE SCHEDULE FLOOR PLAN - LIGHTING FLOOR PLAN - POWER/SYSTEMS

ONE LINE DIAGRAM, PANEL SCHEDULE

GENERAL SHEET

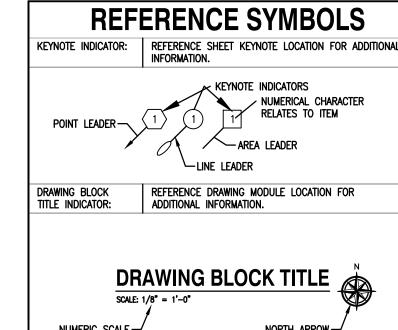
SHEET KEYNOTES:

CODE INFORMATION

2009 INTERNATIONAL ENERGY CONSERVATION CODE

APPLICABLE CODES AND REGULATIONS:

2013 BUILDING CODE (BASED ON THE 2012 INTERNATIONAL BUILDING CODE) 2011 NFPA 70: NATIONAL ELECTRICAL CODE



NUMERIC SCALE -REFERENCE SCHEDULE LOCATION FOR ADDITIONAL "A" = FIXTURE TYPE, REFER TO FIXTURE SCHEDULE, "2" = CIRCUIT NUMBER, "a" = SWITCH IDENTIFICATION

ARREVIATIONS AND TERMS

NOTATION DESIGNATORS

WITHIN THE DRAWING SET.

WHICH THEY APPEAR.

TO IDENTIFY ITEMS.

NOTES THAT APPLY EQUALLY TO ALL DISCIPLINES

NOTES THAT APPLY EQUALLY TO ALL SHEETS WITHIN

NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON

NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON

WHICH THEY APPEAR AND USE A KEYNOTE INDICATOR

	ADDREVIATIONS AND TERIVIS													
*F A/C A A A A A A A A A A A A A A A A A A	Phase Degrees fahrenheit Air Conditioning Amperes Air Cooled Condensing Unit Ampere Fuse Above Finished Counter Above Finished Floor Air Handling Unit Amperes Interrupting Capacity American National Standards Institute Architect Average Bypass Isolation Bottom Elevation Brake Horsepower Building Brakehorsepower Building Brasement British Thermal Unit per Hour Conduit Circuit Breaker Counterclockwise Chiller Chilled Water Pump Ceiling Compressor Condenser Convector Cooling Tower Condenser Condensing Unit Cabinet Unit Heater Classroom Unit Ventilator Clockwise Condenser Water Pump	DCD DS G A C A F A L A A A A A A A A A A A A A A A A	DIRECT CURRENT DEDICATED CIRCUIT DISCONNECT SWITCH DRAWING EACH ELECTRICAL CONTRACTOR EXHAUST FAN EFFICIENCY ELEVATION EMERGENCY EXPLOSION PROOF EXISTING TO REMAIN ELECTRIC WATER COOLER EXISTING EXISTING RELOCATED FAN COIL UNIT FLOOR FAN POWERED VAV UNIT FOOT, FEET FURNACE GROUND GENERAL CONTRACTOR GROUND FAULT INTERRUPTING HEATING HOT WATER PUMP HUB OUTLET HORIZONTAL HORSEPOWER HEAT PUMP UNIT HOUR(S) HEATING ONLY ROOFTOP UNIT HERTZ INSIDE DIAMETER INCH, INCHES INTERIOR	K KW LBS LTG MAX MBH MCC MFR MIN MISC MTD MV NA C NIC NL NOM NTS OF/CI OZ P PH PSIA PSIG PTAC RCPT REV RM	KELVIN KILOWATT POUNDS LIGHTING MAXIMUM THOUSAND Btu PER HOUR MECHANICAL CONTRACTOR MINIMUM CIRCUIT AMPS MOTOR CONTROL CENTER MANUFACTURER MINIMUM MISCELLANEOUS MOUNTED MEDIUM VOLTAGE NOT APPLICABLE NATIONAL ELECTRIC CODE NOT IN CONTRACT NIGHT LIGHT NOMINAL NOT TO SCALE OUTSIDE DIAMETER, OVERFLOW DRAIN OWNER FURNISHED/CONTRACTOR INSTALLED OVERLOAD OUNCE POLE PNEUMATIC ELECTRIC PHASE POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH GAUGE PACKAGED TERMINAL AIR CONDITIONER RECEPTACLE REVOLUTIONS ROOM	RPM RPS RTU SFC SST STW IIBR IE IE IF TRANS TYPH UUV VAV WGTT VFD WVD WSHP WSHP W/O	REVOLUTIONS PER MINUTE REVOLUTIONS PER SECOND ROOF TOP UNIT SQUARE FOOT SPECIFICATION SQUARE SHUNT TRIP STANDARD SWITCH TO BE INSTALLED TO BE REMOVED TO REMAIN TOP ELEVATION TEMPERATURE TRANSFER FAN TRANSITION TYPICAL UNIT HEATER UNLESS OTHERWISE NOTED UNIT VENTILATIOR VOLTS VARIABLE AIR VOLUME VACUUM BREAKER WIRE GUARD VERTICAL VENTILATION FAN VARIABLE FREQUENCY DRIVE WIRE, WATT VOICE/DATA WIRELESS ACCESS POINT WEATHERPROOF WATER SOURCE HEAT PUMP WITH WITHOUT							
		INV	INVERT											

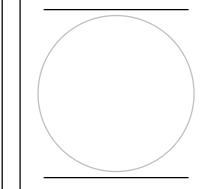
PROGRESS SET FOR REVIEW NOT FOR CONSTRUCTION

MURFREESBORO, TN 3712 TEL 615.907.995

KIDWELL ENGINEERING, I 333 EAST MAIN STREET, SUIT LOUISVILLE, KY 40202 PHONE:(502) 414-4545 FAX:(502) 414-4560 COPYRIGHT 2012

KIDWELL ENGINEERING INC.





PROPERTY OF PERUZZI AND IS PROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND CONFIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF

THIS DRAWING REPRESENTS A

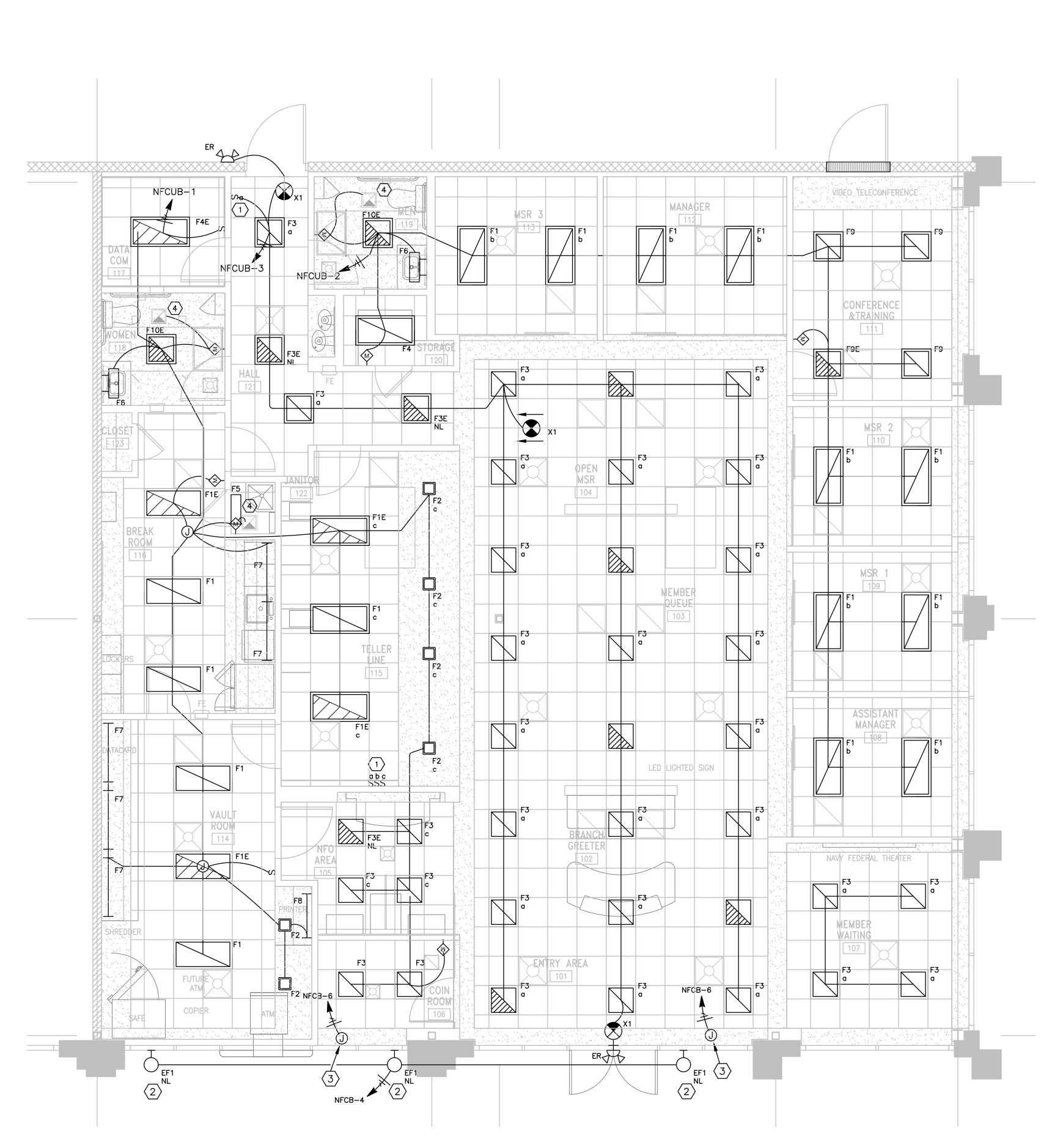
PRELIMINARY DESIGN UNTIL SUCH 1 AS THE ARCHITECT HAS AFFIXED H SEAL AND SIGNATURE HERETO.											
	REVISIONS:										

NAVY FEDERAL
CREDIT UNION
4021 N. DIXIE HIGHWAY
SUITES 111
IZABETHTOWN . KY . 4270

DRAWING DATE: MARCH . 31 . 2013 DRAWING SCALE: DRAWN BY:

PROJECT NUMBER:

E100



 $\frac{1}{\text{E100}} \frac{\text{FLOOR PLAN - LIGHTING}}{\text{SCALE: } 1/4" = 1'-0"}$

			LIGHT	ING FIXTURE	SCHEDULE				
DESIGNATION	DESCRIPTION	MANUEACTURER	CATALOG NO	LAMP INFO	ORMATION	DALLACT	WATTE	VOLTAGE	MOUNTING
DESIGNATION	DESCRIPTION	MANUFACTURER	CATALOG NO.	TYPE	NUMBER	— BALLAST	WATTS	VOLTAGE	MOUNTING
F1	DIRECT/INDIRECT RECESSED FLUORESCENT	LITHONIA	2VT8 2 32 ADP MVOLT GEB10PS	F32T8/41K	2	ELECTRONIC PROGRAM START (<10% THD)	56	120V	RECESSED/CEILIN
F1E	DIRECT/INDIRECT RECESSED FLUORESCENT W/EMERGENCY BATTERY PACK	LITHONIA	2VT8 2 32 ADP MVOLT GEB10PS EL	F32T8/41K	2	ELECTRONIC PROGRAM START (<10% THD)	56	120V	RECESSED/CEILIN
F2	4" COMPACT FLUORESCENT SQUARE DOWNLIGHT	LITHONIA	SQF 1/32TRT 4AR LD MVOLT	32W TRT 41K	1	ELECTRONIC (<10% THD)	34	120V	RECESSED/CEILIN
F2E	4" COMPACT FLUORESCENT SQUARE DOWNLIGHT W/EMERGENCY BATTERY PACK	LITHONIA	SQF 1/32TRT 4AR LD MVOLT ELR	32W TRT, 41K	1	ELECTRONIC (<10% THD)	34	120V	RECESSED/CEILIN
F3	DIRECT/INDIRECT RECESSED FLUORESCENT	LITHONIA	2VT8 2 17T8 MVOLT GEB10PS	F17T8/41K	2	ELECTRONIC (<10% THD)	32	120V	RECESSED/CEILIN
F3E	DIRECT/INDIRECT RECESSED FLUORESCENT W/EMERGENCY BALLAST	LITHONIA	2VT8 2 F17T8 MVOLT GEB10PS EL	F17T8/41K	2	ELECTRONIC (<10% THD)	32	120V	RECESSED/CEILIN
F4	2'X4' 2 LAMP RECESSED ACRLIC LENS TROFFER	LITHONIA	2GT8 232 MV GEB10IS	F32T8/41K	2	ELECTRONIC PROGRAM START (<10% THD)	58	120V	RECESSED/CEILIN
F4E	2'X4' 2 LAMP RECESSED ACRLIC LENS TROFFER W/EMERGENCY BALLAST	LITHONIA	2GT8 232 MV GEB10IS EM	F32T8/41K	2	ELECTRONIC PROGRAM START (<10% THD)	58	120V	RECESSED/CEILIN
F5	WALL MOUNT LIGHT	LITHONIA	WC 2 17 A12 GEB10PS	F17T8/41K	2	ELECTRONIC (<10% THD)	34	120V	SURFACE MOUNT WALL ABOVE DOO
F6	VANITY FIXTURE	ACCESS LIGHTING	C62052CHCKFEH3218Q	SPIRAL 18W GU24 BASE 41K	2	ELECTRONIC	52	120V	SURFACE MOUNT WALL
F7	4' UNDERCABINET LIGHT FIXTURE	LITHONIA	N2S 32	F32T8/41K	1	ELECTRONIC	36	120V	SURFACE MOUNT UNDERCABINET W/ROCKER SWITC
F8	UNDERCABINET LIGHT FIXTURE	LITHONIA	N2S 25	F25T8/41K	1	ELECTRONIC	32	120V	SURFACE MOUNT UNDERCABINET W/ROCKER SWITC
F9	DIRECT/INDIRECT RECESSED FLUORESCENT	LITHONIA	2VT8 3 17T8 MVOLT GEB10PS	F17T8/41K	2	ELECTRONIC PROGRAM START (<10% THD)	44	120V	RECESSED/CEILIN
F9E	DIRECT/INDIRECT RECESSED FLUORESCENT W/EMERGENCY BALLAST	LITHONIA	2VT8 3 F17T8 MVOLT GEB10PS EL	F17T8/41K	2	ELECTRONIC PROGRAM START (<10% THD)	44	120V	RECESSED/CEILIN
F10E	DIRECT/INDIRECT RECESSED FLUORESCENT W/EMERGENCY BALLAST W/DRYWALL FLANGE KIT	LITHONIA	2VT8 2 F17T8 MVOLT GEB10PS EL W/DGA22	F17T8/41K	2	ELECTRONIC PROGRAM START (<10% THD)	32	120V	RECESSED/CEILIN
EF1	EXTERIOR WALL MOUNTED LED FIXTURE, WITH BATTERY BACKUP FOR ONE LAMP.	LITHONIA	WSR LED 2 10A700/40K SR4 MVOLT	LED	2	ELECTRONIC DRIVER	47	120V	SURFACE EXTERIO
X1	RECESSED LED, EDGE LIT EXIT SIGN, NICAD BATTERY, SELF DIAGNOSTICS, CHEVRONS/FACES AS INDICATED ON PLANS.	LITHONIA	#EDG W 1 (OR 2) R EL	LED	-		3	120V	UNIVERSAL

CONTACT DONNA DAVIDSON AT LAFACE-MCGOVERN AT 412-854-3200 FOR INFORMATION REGARDING THE PURCHASE OR ADDITIONAL INFORMATION ON THE LIGHT FIXTURES LISTED ABOVE.

- (A) LENS ON FLUORESCENT FIXTURES SHALL BE A MINIMUM OF 0.125" THICK.
- (B) ALL FLUORESCENT FIXTURES SHALL HAVE T8 LAMPS AND ELECTRONIC BALLASTS.
- (C) LAY-IN TYPE LIGHTING FIXTURES INSTALLED IN SUSPENDED CEILING SYSTEM ARE TO BE SECURELY FASTENED TO THE FRAMING MEMBERS OF THE SUSPENDED CEILING BY MEANS OF CLIPS IDENTIFIED FOR USE WITH TYPE OF CEILING FRAMING MEMBERS AND FIXTURES AS REQUIRED BY NATIONAL ELECTRICAL CODE.
- (D) EXIT LIGHTS TO BE FURNISHED WITH # OF FACE PLATE(S) AND LEFT-HAND, RIGHT-HAND OR DOUBLE ARROWS. EXIT LIGHTS TO BE INSTALLED WITH DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS.
- (E) WHERE RECESSED OR LAY-IN TYPE LIGHTING FIXTURES ARE INSTALLED IN CEILINGS WITH INSULATION INSTALLED ON CEILINGS, THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL SHEET METAL GUARDS ABOVE FIXTURES TO HOLD THE INSULATION APPROX. 4" ABOVE THE TOP OF THE FIXTURE HOUSING.
- (F) FIXTURES WITH "NL" INDICATE FIXTURE ON NIGHT LIGHT CIRCUIT AND ARE TO BE OPERATED 24 HOURS A DAY. CONNECT TO UNSWITCHED SIDE OF CIRCUIT.
- (G) FIXTURES INDICATED AS EMERGENCY ARE TO BE CONNECTED TO UNSWITCHED LEG OF LIGHTING BRANCH CIRCUIT IN RESPECTIVE AREA AND SWITCHED SIDE OF LIGHTING CIRCUIT.

GENERAL NOTES:

- 1. OCCUPANCY SENSORS ARE TO BE DUAL TECHNOLOGY WITH OVERRIDE CAPABILITY. SENSOR SWITCH, WATTSTOPPER OR EQUAL.
- THERE SHALL BE NO EXPOSED CONDUIT IN FINISHED AREAS. ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES REQUIRED FOR THE OPERATION OF SWITCHES, OCCUPANCY SENSORS, LIGHT FIXTURES, SIGNAGE, ETC. SHALL BE ROUTED CONCEALED THROUGHOUT THE BUILDING TENANT SPACE WITH ACCESS TO THE JUNCTION BOXES AS REQUIRED BY THE NEC.

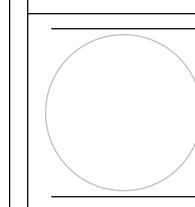
SHEET KEY NOTES:

- THE SWITCH SHOWN IN THIS LOCATION DESIGNATED WITH AN "a" NEXT TO SWITCH SYMBOL IS TO BE A THREE WAY
- EXTERIOR LIGHT FIXTURES LOCATED ABOVE ATM MACHINE AND AT FRONT OF ENTRANCE ARE TO OPERATE 24/7.
- PROVIDE JUNCTION BOX FOR OWNER FURNISHED LIGHTED SIGNS. LIGHT WILL OPERATE 24/7, TYPICAL AT TWO LOCATIONS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNERS PRIOR TO INSTALLATION.
- EXHAUST FAN TO BE CONTROLLED BY OCCUPANCY SENSOR SWITCH. PROVIDE WSX PDT 2P SWITCH TO ENABLE OPERATION OF FAN FOR EXTENDED PERIOD OF TIME AFTER LAST OCCUPANCY. CONSULT WITH OWNER FOR TIME

PROGRESS SET FOR REVIEW NOT FOR CONSTRUCTION

KIDWELL ENGINEERING, 1 333 EAST MAIN STREET, SUIT LOUISVILLE, KY 40202 PHONE:(502) 414-4545 FAX:(502) 414-4560 COPYRIGHT 2012 KIDWELL ENGINEERING INC.





THIS DESIGN AND DRAWING IS THE PROPERTY OF PERUZZI AND IS PROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND CONFIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED
WITHOUT THE WRITTEN CONSENT OF
PERUZZI.

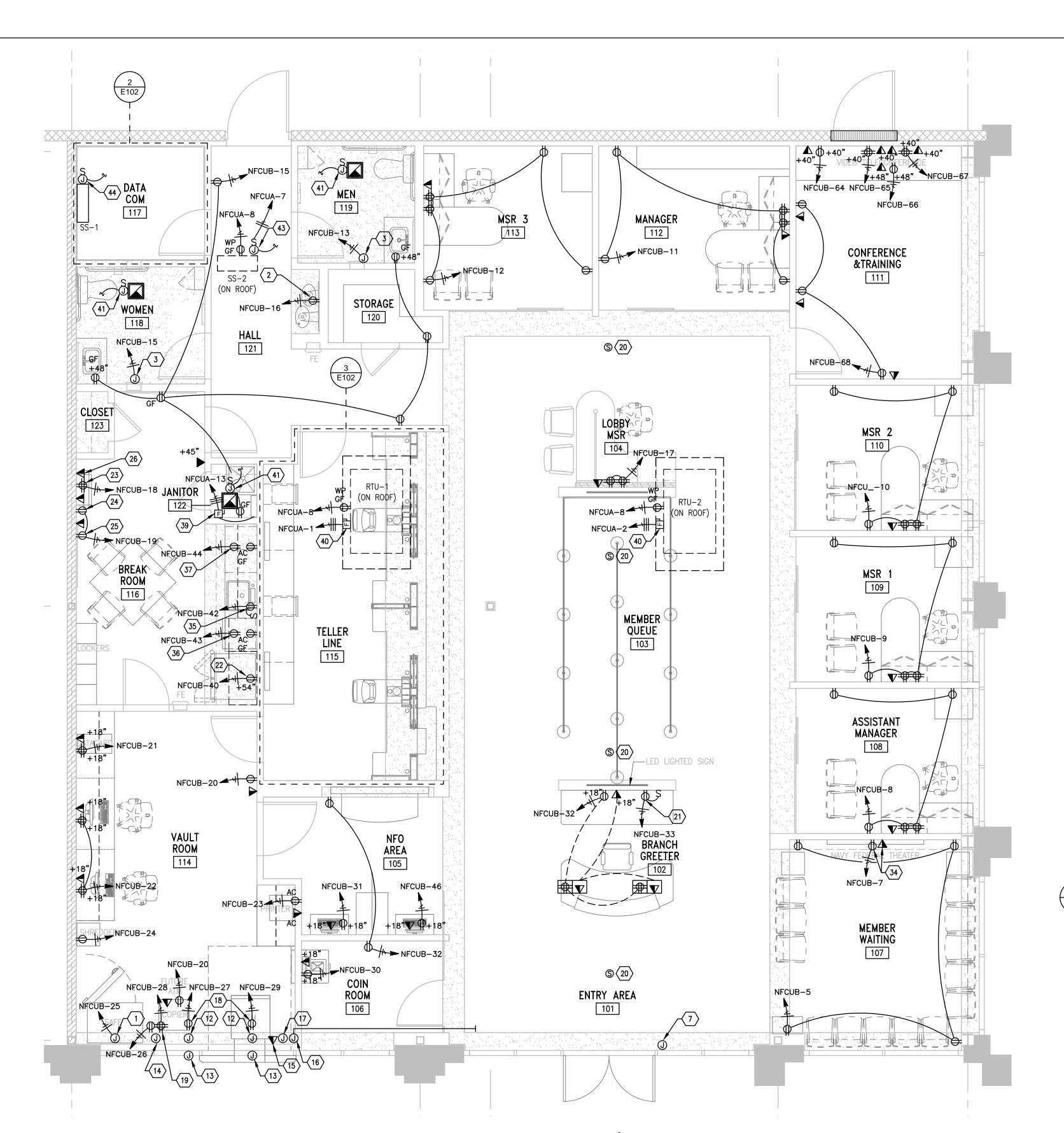
THIS DRAWING REPRESENTS A
PRELIMINARY DESIGN UNTIL SUCH TIM
AS THE ARCHITECT HAS AFFIXED HIS SEAL AND SIGNATURE HERETO.

NAVY FEDERAL
CREDIT UNION
4021 N. DIXIE HIGHWAY
SUITES 111

PROJECT NUMBER: 2014-0100 DRAWING DATE: MARCH . 31 . 2013 DRAWING SCALE

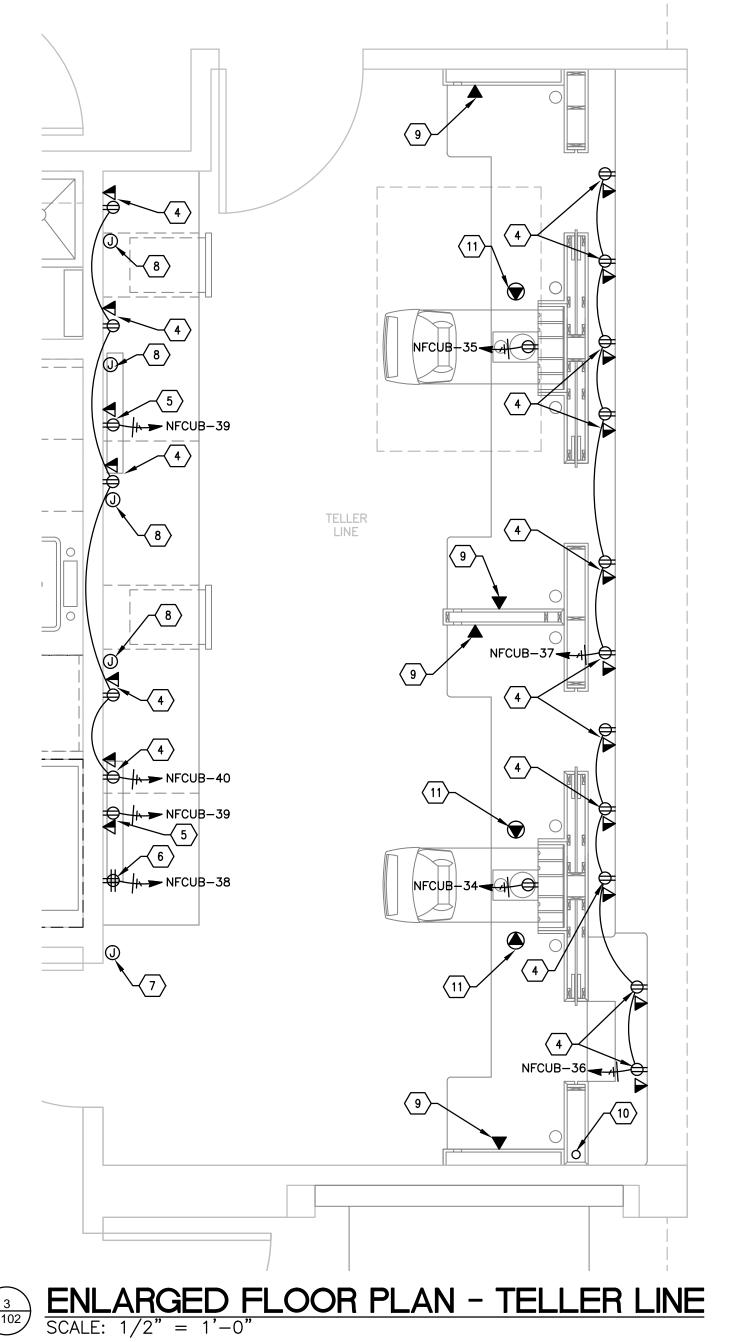
E101

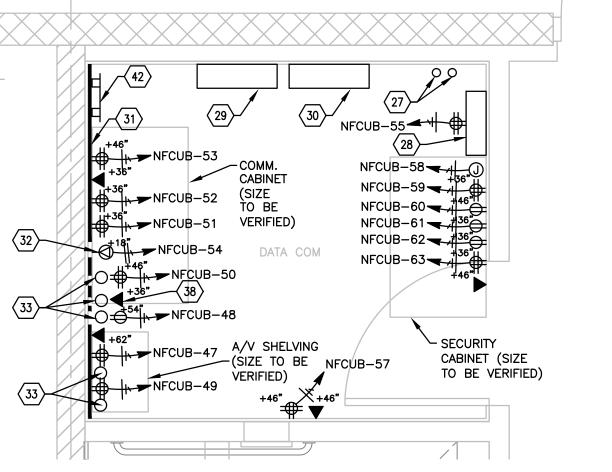
DRAWN BY:



FLOOR PLAN - POWER/SYSTEMS

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





ENLARGED FLOOR PLAN - DATA COM SCALE: 1/2" = 1'-0"

GENERAL NOTES:

- A. PROVIDE AND INSTALL TAMPER PROOF RECEPTACLES FOR ALL RECEPTACLES IN LOBBY AND WAITING
- B. COORDINATE CONNECTION LOCATIONS OF ALL BANKING EQUIPMENT (ATM, COIN MACHINE, NFO, ETC.)
 WITH OWNER AND EQUIPMENT SUPPLIER PRIOR TO ANY ROUGH—IN WORK. SHALL APPLY TO ALL
- C. COORDINATE EXACT MOUNTING HEIGHTS AND ROUGH—IN LOCATIONS WITH OWNER FOR ALL DEVICES IN VIDEO TELEPHONE CONFERENCE WALL.

SHEET KEY NOTES:

- PROVIDE AND INSTALL FLUSH MOUNTED JUNCTION BOX AT 8'-0" A.F.F. BEHIND SAFE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL GROUND FAULT CIRCUIT BREAKER IN PANELBOARD FOR DRINKING FOUNTAIN.
- PROVIDE AND INSTALL JUNCTION BOX FOR 120 VAC CONNECTION TO HAND DRYER. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH—IN.
- PROVIDE AND INSTALL DUPLEX OUTLET AND VOICE/DATA OUTLET AT 27" A.F.F. IN CENTER OF EACH BASE CABINET. COORDINATE EXACT LOCATIONS AND VERIFY EXACT NUMBER OF DEVICES WITH CABINET VENDOR PRIOR TO ROUGH—IN. (TYPICAL FOR ALL DEVICES SHOWN IN TELLER'S
- 5 PROVIDE AND INSTALL DATA AND POWER FOR LCD SCREEN. MOUNT AT 84" A.F.F. AND CENTERED WITH SCREEN. COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL QUAD RECEPTACLE AT 10" AF.F. NEXT TO TELLER LINE FURNITURE.

 COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH—IN.
- PROVIDE AND INSTALL JUNCTION BOX FOR SECURITY IN CEILING WITH 3/4" CONDUIT ROUTED DOWN INTO THE DOOR MULLION WITH PULL STRING. COORDINATE EXACT LOCATION WITH OWNER
- PRIOR TO ROUGH—IN.

 PROVIDE AND INSTALL JUNCTION BOX FOR SECURITY CAMERAS IN CEILING WITH 3/4" CONDUIT STUBBED UP 6" ABOVE CEILING. COORDINATE EXACT LOCATION, AND CONDUIT AND WIRING
- REQUIREMENTS WITH OWNER AND SECURITY VENDOR PRIOR TO ROUGH—IN.

 PROVIDE AND INSTALL VOICE OUTLET AT TELLER DESK. COORDINATE EXACT LOCATION WITH
- OWNER PRIOR TO ROUGH-IN.

 (10) PROVIDE AND INSTALL 2" FLEXIBLE RACEWAY, 6" ABOVE CEILING AND ROUTE DOWN FOR TELLER
- VOICE/DATA CONNECTIONS.

 /11 PROVIDE AND INSTALL TELEPHONE OUTLET AT TELLER DESK IN COUNTER TOP. COORDINATE
- EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL JUNCTION ABOVE CEILING, CENTER MOUNTED TO ATM. PROVIDE WITH 3/4" CONDUIT AND PULL STRING DOWN TO EXTERIOR MOUNTED JUNCTION BOX.
- PROVIDE AND INSTALL EXTERIOR RATED JUNCTION BOX CENTERED ABOVE ATM AT 78" A.F.G. PROVIDE 3/4" CONDUIT ABOVE CEILING IN ATM ROOM.
- PROVIDE AND INSTALL JUNCTION BOX FOR SECURITY IN CEILING WITH 3/4" CONDUIT AND PULL STRING EXTENDED INTO TENANT SPACE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO
- PROVIDE AND INSTALL TELEPHONE OUTLET ADJACENT ATM AT 45" A.F.F. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH—IN.
- PROVIDE AND INSTALL JUNCTION BOX FOR SECURITY, SURFACE MOUNT, 12" ABOVE CEILING WITH PULL STRING. STUBE 3/4" CONDUIT INTO TENANT SPACE ABOVE CEILING IN LOBBY AREA.
- PROVIDE AND INSTALL JUNCTION BOX FOR SECURITY IN CEILING WITH 3/4" CONDUIT AND PULL STRING EXTENDED INTO TENANT SPACE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO
- PROVIDE AND INSTALL DUPLEX OUTLET ON DEDICATED CIRCUIT FOR CONNECTION TO ATM (AND FUTURE ATM). DEVICE AND COVERPLATE SHALL BE ORANGE. COORDINATE EXACT LOCATION AND
- CONNECTION REQUIREMENTS WITH OWNER AND EQUIPMENT SUPPLIER.

 PROVIDE AND INSTALL QUAD RECEPTACLE AT 18" A.F.F. BESIDE ATM FOR ATM ACCESSORIES.
- COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH—IN.

 CEILING MOUNTED SPEAKER. CONNECT SPEAKERS TOGETHER WITH BELDEN #6200UEPLENUM
- SPEAKER CABLE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH—IN.

 PROVIDE AND INSTALL DUPLEX RECEPTACLE ABOVE ACOUSTICAL CEILING FOR CONNECTION TO
- SIGNAGE. PROVIDE AND INSTALL A SWITCH ON WALL FOR CONTROL OF SIGNAGE. COORDINATE EXACT LOCATIONS WITH OWNER PRIOR TO ROUGH—IN.
- PROVIDE AND INSTALL GROUND FAULT CIRCUIT BREAKER IN PANELBOARD FOR REFRIGERATOR.
- PROVIDE AND INSTALL QUAD RECEPTACLE FOR VIDEO TELECONFERENCING. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL DUPLEX RECEPTACLE AND VOICE/DATA OUTLET FOR CONNECTION TO DVD PLAYER. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH—IN.
- PROVIDE AND INSTALL DUPLEX RECEPTACLE AND VOICE/DATA OUTLET FOR CONNECTION TO SATELLITE/CABLE RECEIVER. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER
- PROVIDE AND INSTALL VOICE/DATA OUTLET FOR VIDEO TELECONFERENCING. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH—IN.
- PROVIDE AND INSTALL TWO 4" EMPTY CONDUITS FOR COMMUNICATION/ELECTRICAL ROOM.
- EXTEND TO ABOVE CEILING TO 6" BELOW FINISHED CEILING.

 OUTSIDE SECURITY PANEL, OWNER FURNISHED, CONTRACTOR INSTALLED.
- 29) 200A, 120/208V, 3ø, 4W PANEL "NFCUA".
- 30) 200A, 120/208V, 3ø, 4W PANEL "NFCUB".
- TELEPHONE TERMINAL BOARD. 3/4" FIRE RETARDANT PLYWOOD SECURED TO WALL WITH BOTTOM
- 24" A.F.F., EXTENDED ENTIRE LENGTH OF WALL. PAINT FLAT BLACK.

 12 L5-30R, 30 AMP DEDICATED NEMA 2P, 3W SINGLE LOCK RECEPTACLE.
- 3" CONDUIT SLEEVE FROM 6" BELOW CEILING TO 6" ABOVE CEILING. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH—IN.
- COORDINATE EXACT MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
- RECEPTACLE UNDER COUNTER FOR CONNECTION TO GARBAGE DISPOSAL. LOCATE SWITCH ABOVE COUNTER. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH—IN.
- RECEPTACLE UNDER COUNTER FOR CONNECTION TO DISHWASHER. COORDINATE EXACT LOCATION PRIOR TO ROUGH—IN.
- RECEPTACLE FOR CONNECTION TO MICROWAVE LOCATED ABOVE COUNTER. COORDINATE MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
- (38) PHONE/DATA OUTLET TO BE SURFACE MOUNTED AFTER COMMUNICATION CABINET IS INSTALLED.
- 3 POLE, 100A, 240 VOLT, NEMA 1, FUSED DISCONNECT SWITCH FOR CONNECTION TO WATER HEATER. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. FUSE PER UNIT NAMEPLATE. LOCATE DISCONNECT SWITCH SO THAT ALL REQUIRED CLEARANCES ARE OBTAINED. EXTEND (3) #3 AWG AND (1) #8 AWG GROUND IN 1-1/4" CONDUIT.
- 3 POLE, 60A, 240 VOLT, NEMA 3R, FUSED DISCONNECT SWITCH FOR CONNECTION TO RTU. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH—IN. FUSE PER UNIT NAMEPLATE. PROVIDE INDIVIDUAL MOUNTING SUPPORT FOR DISCONNECT SWITCH. DO NOT MOUNT DIRECTLY TO UNIT. EXTEND (3) #8 AWG AND (1) #10 AWG GROUND IN 3/4" CONDUIT. PROVIDE AND INSTALL WEATHERPROOF, GROUND FAULT RECEPTACLE WITH WHILE—IN—USE COVERPLATE FOR MAINTENANCE PURPOSES AND INSTALL ON MOUNTING SUPPORT.
 - JUNCTION BOX WITH MOTOR RATED TOGGLE SWITCH FOR CONNECTION TO EXHAUST FAN. CONNECT EXHAUST FAN TO BRANCH CIRCUIT SERVING LIGHTIN WITHIN SPACE. EXHAUST FAN
- PROVIDE AND INSTALL GROUNDING BUS BAR, 1/4" X 2" X 2" COPPER BAR WITH INSULATED STAND OFF. EXTEND #2 COPPER GROUNDING CONDUCTOR FROM GROUNDING BUS BAR TO EXISTING GROUNDING BUS BAR.
- NEMA 3R, 208V/1ø, JUNCTION BOX WITH MOTOR RATED TOGGLE SWITCH FOR CONNECTION TO SS-2, OUTDOOR CONDENSING UNIT. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. OUTDOOR UNIT SHALL FEED AND POWER INDOOR UNIT. EXTEND (2) #12 AWG AND (1) #12 AWG GROUND IN 3/4" CONDUIT. PROVIDE AND INSTALL WEATHERPROOF, GROUND FAULT RECEPTACLE WITH WHILE-IN-USE COVERPLATE FOR MAINTENANCE PURPOSES AND INSTALL ON MOUNTING SUPPORT
- JUNCTION BOX WITH MOTOR RATED TOGGLE SWITCH FOR CONNECTION TO INDOOR DUCTLESS SPLIT SYSTEM, SS-1. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. INDOOR UNIT SHALL BE FED FROM OUTDOOR UNIT.

PROGRESS SET FOR REVIEW NOT FOR CONSTRUCTION



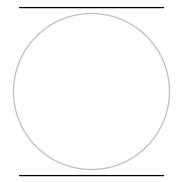
3048 N THOMPSON L MURFREESBORO, TN 3

KIDWELL ENGINEERING, II 333 EAST MAIN STREET, SUIT LOUISVILLE, KY 40202 PHONE:(502) 414-4545 FAX:(502) 414-4560

COPYRIGHT 2012

KIDWELL ENGINEERING INC.





THIS DESIGN AND DRAWING IS THE PROPERTY OF PERUZZI AND IS PROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND CONFIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF

THIS DRAWING REPRESENTS A
PRELIMINARY DESIGN UNTIL SUCH TIM
AS THE ARCHITECT HAS AFFIXED HIS
SEAL AND SIGNATURE HERETO.

	REVISIONS:					
	DATE:					

NAVY FEDERAL
CREDIT UNION
4021 N. DIXIE HIGHWAY
SUITES 111
IZABETHTOWN . KY . 42701

PROJECT NUMBER:
2014-0100

DRAWING DATE:
MARCH 31 2013

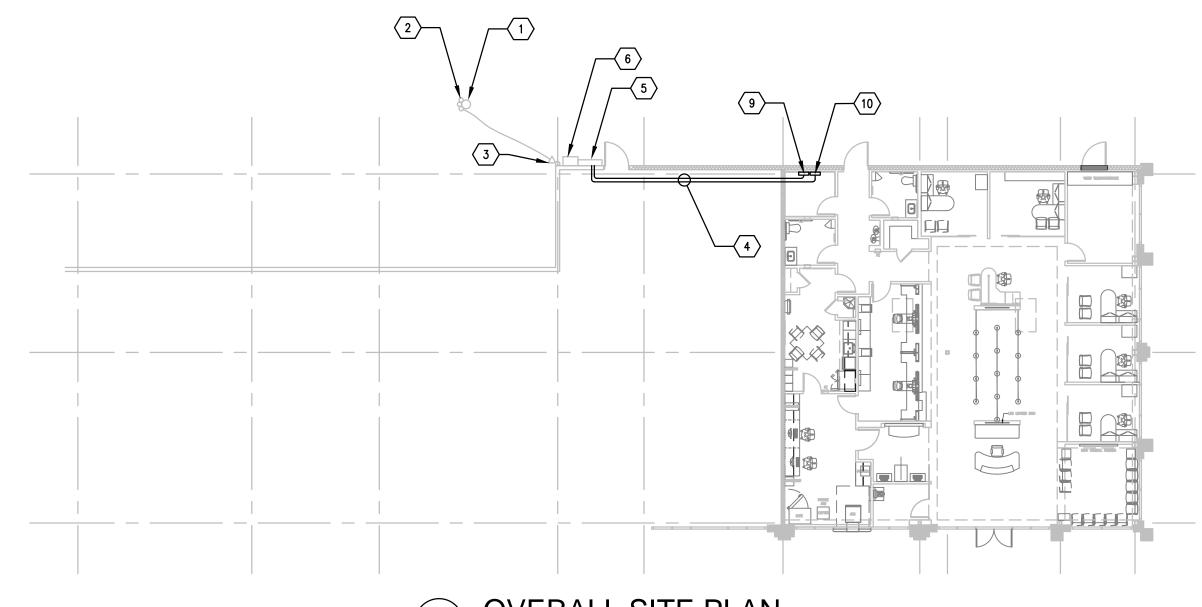
DRAWING DATE:
MARCH . 31 . 2013
DRAWING SCALE:

DRAWN BY:

E102

VOLTAGE: 208/120				-				—			MOUNTING:	SURFACE		
PHASE: 3 WIRE: 4				۲A	NE	∟ N	1FC	UΒ			NEUTRAL: 100%			
MAIN: MLO MCB AMPS:											IG: YES			
BUS AMPS: 225		E	KISTIN	IG ISOLA	TED (GROUNE	PANE	EL		AIC:	10,000			
LOAD DESCF	IPTION	TP	LOAD	СКТ	OCP	PH	OCP	СКТ	LOAD	TP		AD DESCRIPT		
LIGHTING - RMS 105,106,114-118,122,123			1.31	1	20A/1P	Α	20A/1P	2	0.92	L	LIGHT	TING - RMS 10	8-113, 119, 12	
LIGHTING - RMS 101-104	, 107, 121	L	1.08	3	20A/1P	В	20A/1P	4	0.20	L		EXTER	IOR LIGHTING	
RECEPTACLES - MEMBE	R WAITING	R	0.72	5	20A/1P	С	20A/1P	6	0.50	L		٧	VINDOW SIGN	
RECEPTACLES - MEMBER WAITING MEDIA			0.20	7	20A/1P	Α	20A/1P	8	1.26	R	RECEPTAC	LES - ASSISTA	ANT MANAGE	
RECEPTACLES - MSR 1			1.26	9	20A/1P	В	20A/1P	10	1.26	R		RECEPT	ACLES - MSR	
RECEPTACLES - MANAGER			1.26	11	20A/1P	С	20A/1P	12	1.26	R		RECEPT	ACLES - MSR	
HAND DRYER - MEN'S RE	STROOM	0	1.40	13	20A/1P	Α	20A/1P	14	1.40	0	HAND DR	YER - WOMEN	I'S RESTROO	
RECEPTACLES - RESTROOMS AND CORR.			1.08	15	20A/1P	В	20A/1P	16	0.20	R		DRINK	ING FOUNTAI	
RECEPTACLES - OPEN MSR			0.72	17	20A/1P	С	20A/1P	18	0.36	R	REC - VIDE	O TELECONF	BREAK ROOF	
RECEPTACLES - DVD PLAYER/CABLE REC.			0.20	19	20A/1P	Α	20A/1P	20	0.60	R	RECEPTACLE - COPIER VAULT			
RECEPTACLES - WORKS	TATION VAULT	RM R	0.36	21	20A/1P	В	20A/1P	22	0.72	R	ECEPTACLES - WORKSTATION VAULT			
RECEPTACLES - PRINTE	R VAULT RM.	R	0.50	23	20A/1P	С	20A/1P	24	0.50	R	RECEPTAC	RECEPTACLE - SHREDDER VAULT		
RECEPTACLES - SAFE V	AULT RM.	R	0.18	25	20A/1P	Α	20A/1P	26	0.18	R	RECEPTACLE -			
FUTURE ATM		R	1.20	27	20A/1P	В	20A/1P	28	0.36	R	RECEP ⁻	TACLE - ATM	ACCESSORIE	
ATM		R	1.20	29	20A/1P	С	20A/1P	30	1.00	R			COIN SORTE	
NFO		R	1.00	31	20A/1P	Α	20A/1P	32	0.90	R	RECEPT	ACLES - BRA	NCH GREETE	
SIGNAGE		R	1.20	33	20A/1P	В	20A/1P	34	0.18	R		RECEPTACLE	- TELLER LIN	
RECEPTACLE - TELLER I	INE	R	0.18	35	20A/1P	С	20A/1P	36	0.90	R			- TELLER LIN	
RECEPTACLE - TELLER I	INE	R	0.18	37	20A/1P	Α	20A/1P	38	0.36	R	R	ECEPTACLES	- TELLER LIN	
REC - LCD SCREENS - T		R	0.40	39	20A/1P	В	20A/1P	40	1.00	R		REFRIGERAT		
RECEPTACLES - TELLEF		R	0.90	41	20A/1P	С	20A/1P	42	1.50	R	GARBAGE DISPOS			
DISHWASHER			1.00	43	20A/1P	Α	20A/1P	44	1.50	R	MICROWA			
VAULT ROOM RECEPTACLE			0.60	45	20A/1P	В	20A/1P	46	1.00	R	NI			
TELECOM - A/V POWER		R	0.36	47	20A/1P	С	20A/1P	48	0.18	R		TELECOM -	FIBER CIRCUI	
TELECOM - A/V POWER		R	0.36	49	20A/1P	A	20A/1P	50	0.36	R	TELECOM -	- COMM. CAB		
TELECOM - COMM. CAB		R	0.36	51	20A/1P	В	20A/1P	52	0.36	R		COMM. CAB		
TELECOM - COMM. CAB		R	0.36	53	20A/1P	C	30A/2P	54	2.50	R	ELECOM - CO			
TELECOM - SECURITY P.		R	0.36	55	20A/1P	A		56	2.50	R				
TELECOM - RECEPTACL		R	0.36	57	20A/1P	В	20A/1P	58	0.36	0	TELECOM - SEC. CAB. JUNCTION BO			
TELECOM - SEC. CAB. R		R	0.36	59	20A/1P	c	20A/1P	60	0.18	R	TELECOM - SEC. CAB. RECEPTACI			
TELECOM - SEC. CAB. R		R	0.18	61	20A/1P	Α	20A/1P	62	0.18	R	TELECOM - SEC. CAB. RECEPTAC			
TELECOM - SEC. CAB. RECEPTACLE			0.36	63	20A/1P	В	20A/1P	64	0.18	R	VIDEO TELECONFERENCE RECEPTACI			
MDEO TELECONFERENC		R =R	0.36	65	20A/1P	С	20A/1P	66	0.18	R	VIDEO TELECONFERENCE RECEPTACI			
VIDEO TELECONFERENC			0.36	67	20A/1P	Α	20A/1P	68	0.54	R	CONFEREN	ICE AND TRAI	NING RECEP	
SPARE				69	20A/1P	В	20A/1P	70					SPAR	
SPARE				71	20A/1P	С	20A/1P	72					SPAR	
SPARE				73	20A/1P	Α	20A/1P	74					SPAR	
SPARE				75	20A/1P	В	20A/1P	76					SPAR	
SPARE				77	20A/1P	С	20A/1P	78					SPAR	
SPARE				79	20A/1P	Α	20A/1P	80					SPAR	
SPARE				81	20A/1P	В	20A/1P	82					SPAR	
SPARE				83	20A/1P	С	20A/1P	84					SPAR	
PHASE TOTALS	A: 10	0.09			B:	10.50				C:	11.50			
LOAD TYPE (TP)	L ighting	Recep	tacle	Motor		L argest			H eat		K itchen	O ther		
Nonsimultaneous = 0			•				Motor							
TOTAL SECTION 1:			40.31		0,00		0.00		0.00		0.00	3.16		
ALL SECTIONS:														
			alculation		1.00		1.25		1.00		1.00	1.00		
DEMAND: 5.01			25.16		.00		0.00		0.00		0.00	3.16		
	DEMAN	MAND KVA: 33.3 DEMAND AMPS						1PS:	: 93					
NOTE:														

MAIN: MLO MCB AMPS: 225 EXISTING	VOLTAGE: 208/120									MOUNTING: SURFACE				
MAIN: MILO	PHASE: 3	WIRE:	4		PΑ	١NΕΙ	L N	1FC	UΑ			NEUTRAL: 100%		
COAD DESCRIPTION	MAIN: MLO	MCB AMPS:		. /						IG: NO				
M	BUS AMPS: 225						XISTIN							
M 4.46 3 B 4 4.46 LM	LOAD DESC	RIPTION	TP	LOAD	СКТ	OCP	PH	OCP	СКТ	LOAD	TP	LO	AD DESCRIPT	ION
M 4.46 5 C C 6 4.46 LM	RTU-1		М	4.46	1	50A/3P	Α	50/3P	2	4.46	LM			RTU-
M 1.46 7 15A/2P A 20A/1P 8 0.36 R ROOFTOP MAINTENANCE RECEPTA M 1.46 9 B 20A/1P 10 S S S S S S S S S		======	M	4.46	3	\searrow	В	$\geq <$	4	4.46	LM			
M 1.46 9 B 20A/1P 10 SI			M	4.46	5	\searrow	С	><	6	4.46	LM			
SPARE	SS-1 AND SS-2		М	1.46	7	15A/2P	Α	20A/1P	8	0.36	R	ROOFTOP MA	AINTENANCE F	RECEPTACLE
MATER HEATER			M	1.46	9	$\geq <$	В	20A/1P	10					SPAR
H 8.00 15	SPARE				11	20A/1P	С	20A/1P	12					SPAR
H 8,00 17 C 20A/1P 18 S S S S S S S S S	WATER HEATER		Н	8.00	13	90A/3P	Α	20A/1P	14					SPAR
19 20A/1P A 20A/1P 20 SI			Н	8.00	15	><	В	20A/1P	16					SPAR
21 20A/1P B 20A/1P 22			Н	8.00	17	><	С	20A/1P	18					SPAR
23 20A/1P C 20A/1P 24	SPARE				19	20A/1P	Α	20A/1P	20					SPAR
SPARE	SPARE				21	20A/1P	В	20A/1P	22					SPAR
27 20A/1P B 20A/1P 28	SPARE			23	20A/1P	С	20A/1P	24			SF			
29 20A/1P C 20A/1P 30 Si SPARE 31 20A/1P A 20A/1P 32 Si SPARE 33 20A/1P B 20A/1P 34 Si SPARE 35 20A/1P C 20A/1P 36 Si SPARE 37 20A/1P A 20A/1P 38 Si SPARE 39 20A/1P B 20A/1P 40 Si SPARE 39 20A/1P B 20A/1P 40 Si SPARE 41 20A/1P C 20A/1P 42 Si PHASE TOTALS A: 18.74 B: 18.38 C: 16.92 Si PHASE TOTALS A: 18.74 B: 18.38 C: 18.74 Si PHASE TOTALS A: 18.74 B: 18.38 C: 18.74 Si PHASE TOTALS A: 18.74 Si PHASE TOTALS A: 18.74 Si PHASE TOTALS A: 18.74 Si Si Si Si Si Si Si Si	SPARE				25	20A/1P	Α	20A/1P	26					SPAR
SPARE	SPARE				27	20A/1P	В	20A/1P	28					SPAR
33 20A/1P B 20A/1P 34 SI	SPARE				29	20A/1P	С	20A/1P	30					SPAR
SPARE 35 20A/1P C 20A/1P 36 SI	SPARE				31	20A/1P	Α	20A/1P	32					SPAR
SPARE 37 20A/1P A 20A/1P 38 SI	SPARE				33	20A/1P	В	20A/1P	34					SPAR
SPARE 39 20A/1P B 20A/1P 40 SI	SPARE				35	20A/1P	С	20A/1P	36					SPAR
SPARE	SPARE				37	20A/1P	Α	20A/1P	38					SPAR
PHASE TOTALS A: 18.74 B: 18.38 C: 16.92 LOAD TYPE (TP) Nonsimultaneous = 0 Lighting Receptacle Motor Largest Motor Heat Kitchen Other TOTAL SECTION 1: OEMAND FACTOR: 0.00 0.36 16.29 13.38 24.00 0.00 0.00 DEMAND FACTOR: 1.25 Calculation 1.00 1.25 1.00 1.00 1.00 DEMAND: 0.00 0.36 16.29 16.73 24.00 0.00 0.00	SPARE				39	20A/1P	В	20A/1P	40					SPAR
LOAD TYPE (TP) Nonsimultaneous = 0 Lighting Receptacle Motor Largest Motor Heat Kitchen Other TOTAL SECTION 1: 0.00 0.36 16.29 13.38 24.00 0.00 0.00 ALL SECTIONS:	SPARE				41	20A/1P	С	20A/1P	42					SPAR
Nonsimultaneous = 0 Lighting Heceptacle Motor Motor Heat Nitchen Other TOTAL SECTION 1: 0.00 0.00 0.36 16.29 13.38 24.00 0.00 0.00 ALL SECTIONS: DEMAND FACTOR: 1.25 1.25 Calculation 1.00 1.25 1.00 1.00 1.00 DEMAND: 0.00 0.36 16.29 16.73 24.00 0.00 0.00	PHASE TOTALS	A:	18.74			B:	18.38	ı			C:	16.92		
ALL SECTIONS:	, ,	L ighting	Recep	tacle	М	otor	ı	_		Heat		K itchen	O ther	
DEMAND FACTOR: 1.25 Calculation 1.00 1.25 1.00 1.00 1.00 DEMAND: 0.00 0.36 16.29 16.73 24.00 0.00 0.00		0.00	0.3	6	16.29					24.00		0.00	0.00	
DEMAND: 0.00 0.36 16.29 16.73 24.00 0.00 0.00	ALL SECTIONS:													
	DEMAND FACTOR:	1.25	Calcul	ation	1	1.00		1.25		1.00		1.00	1.00	
BELLAND LOVE	DEMAND:	0.00	0.3	6	16	3.29		16.73		24.00		0.00	0.00	
DEMAND KVA: 57.4 DEMAND AMPS: 159			DEMAN	ID KVA: 5	7.4				DEN	AND AN	/IPS:	159		

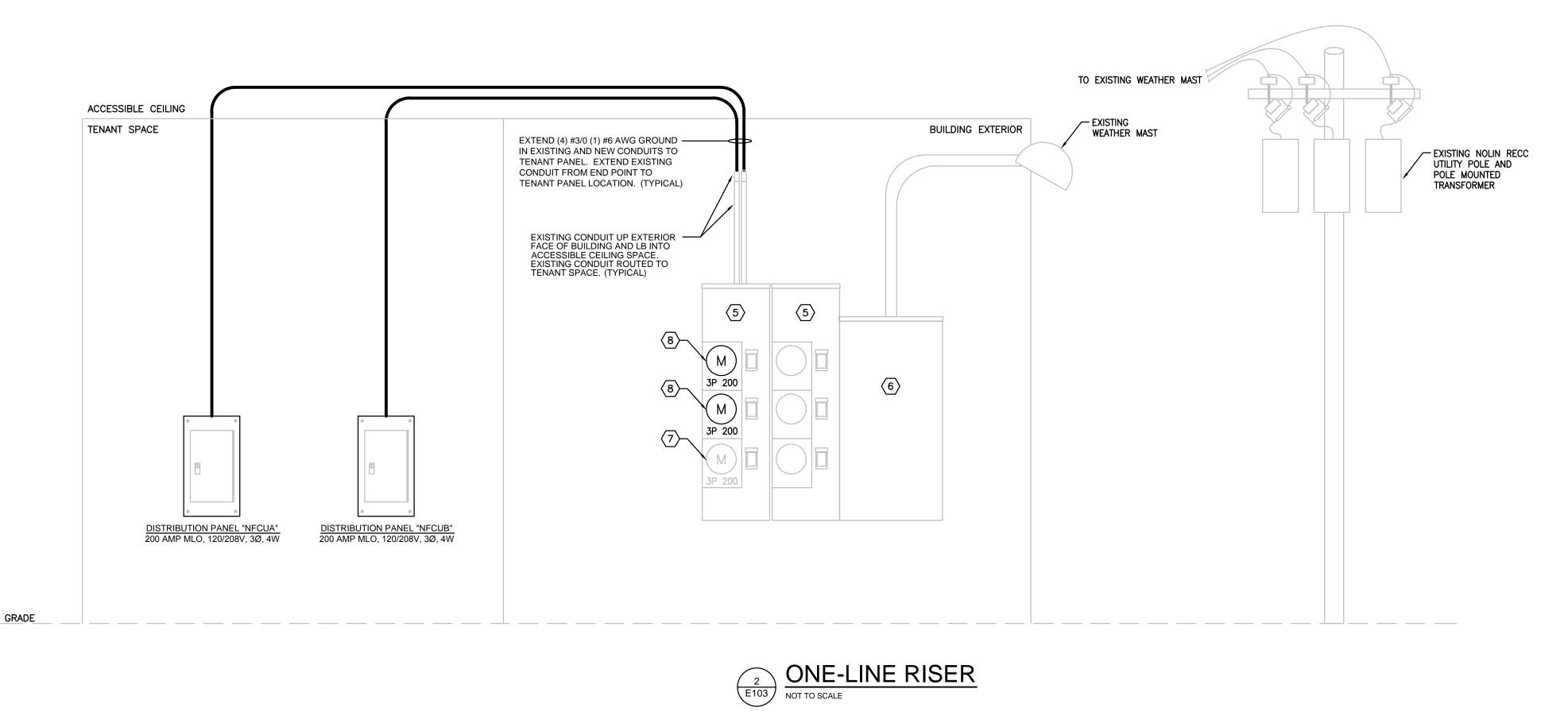


SCALE: 1/16" = 1'-0"

OVERALL SITE PLAN

SHEET KEY NOTES:

- (1) APPROXIMATE LOCATION OF EXISTING UTILITY POLE.
- (2) EXISTING POLE MOUNTED UTILITY TRANSFORMER.
- 3 EXISTING WEATHER MAST.
- EXTEND NEW FEEDER CONDUCTORS IN EXISTING CONDUIT TO TENANT PANEL. PROVIDE AND INSTALL NEW CONDUIT (SIZED TO MATCH EXISTING) AND EXTEND FROM EXISTING TO TENANT PANEL. REFER TO ONE—LINE RISER FOR FEEDER INFORMATION.
- 5 EXISTING NEMA 3R GENERAL ELECTRIC MINI MOD III METERING SECTION, 120/208V, 3ø, 4W.
- EXISTING 1200A GENERAL ELECTRIC MINI MOD III METERING UTILITY PULL SECTION, 120/208V, 3ø, 4W TO EXISTING METER SECTIONS. ALL EXISTING NEMA 3R ENCLOSURES.
- 7 EXISTING HOUSE PANEL TENANT METER.
- 8 200 AMP, 120/208V, 3ø, 4W METER SOCKET PER LOCAL UTILITY REQUIREMENTS.
- 9 PANEL "NFCUA". REFER TO ONE-LINE RISER FOR ADDITIONAL INFORMATION.
- PANEL "NFCUB". REFER TO ONE-LINE RISER FOR ADDITIONAL INFORMATION.

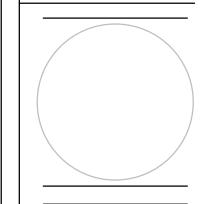


PROGRESS SET FOR REVIEW **NOT FOR CONSTRUCTION**

TEL 615.907.995

KIDWELL | ENGINEERING, I 333 EAST MAIN STREET, SUI'. LOUISVILLE, KY 40202 PHONE:(502) 414-4545 FAX:(502) 414-4560 COPYRIGHT 2012 KIDWELL ENGINEERING INC.





THIS DESIGN AND DRAWING IS THE PROPERTY OF PERUZZI AND IS PROTECTED BY COPYRIGHT. IT IS SUBMITTED AS A RESTRICTIVE AND CONTIDENTIAL DISCLOSURE THAT MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF PERUZZI.

PI	RELIN S TH	RY D	ESIG ECT	N UI HAS	NTIL AFI	SUC	H TI HIS	
REVISIONS:								_
No: DATE:								
No:								

DRAWING SCALE:

E103