GREENDESIGN
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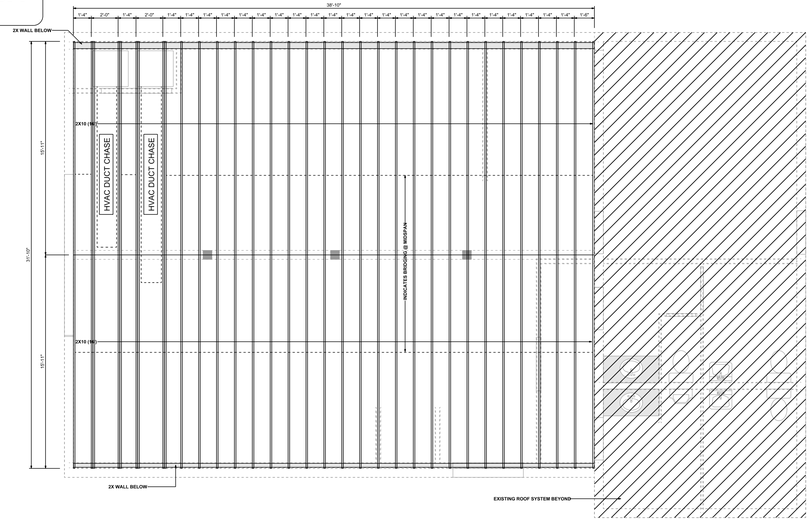
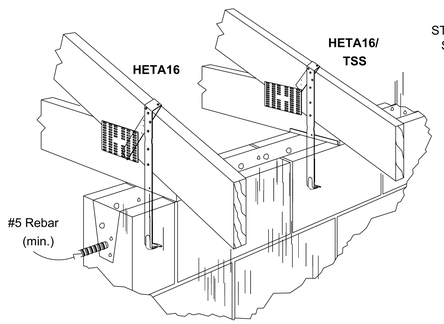


FLOOR SYSTEM FRAMING PLAN
SCALE 3/8"=1'-0"

NORTH



NOTE:
STRAPS MAY BE INSTALLED STRAIGHT OR WRAPPED OVER TRUSS

TYPICAL SIMPSON HETA AND HETAL INS. DETAIL
SCALE N.T.S.
(SEE SECTION DETAILS FOR SITE SPECIFIC DATA)

CITY OF STUART BUILDING DEPARTMENT
CODE COMPLIANCE DIVISION
DESIGN CERTIFICATION FOR WIND LOAD COMPLIANCE

THIS CERTIFICATION MUST BE COMPLETED BY THE PROJECT DESIGNER, ARCHITECT, OR ENGINEER. THIS CERTIFICATION MUST BE SUBMITTED IN DUPLICATE WITH ALL APPLICATIONS FOR BUILDING PERMITS INVOLVING THE CONSTRUCTION OF NEW RESIDENCE (SINGLE OR MULTI-FAMILY), RESIDENTIAL ADDITION, ANY ACCESSORY STRUCTURE REQUIRING A BUILDING PERMIT AND ANY NON-RESIDENTIAL STRUCTURE. THIS CERTIFICATION SHALL NOT APPLY TO INTERIOR RENOVATIONS (PROVIDE THAT NO EXTERIOR STRUCTURAL WALLS, COLUMNS OR OTHER COMPONENTS ARE BEING AFFECTED) AND CERTAIN OTHER MINOR BUILDING PERMITS FOR FURTHER ASSISTANCE PLEASE CONTACT THE BUILDING THE BUILDING INSPECTION OFFICE AT (772) 288-5326

PROJECT NAME: MCHARDY INVESTMENTS, MC'S GRILLE & BUSINESS CENTER		
STREET ADDRESS: 432 SE MLK BLVD	PERMIT #:	
STUART, FLORIDA	OCCUPANCY TYPE	UTILITY
	CONSTRUCTION	FRAME

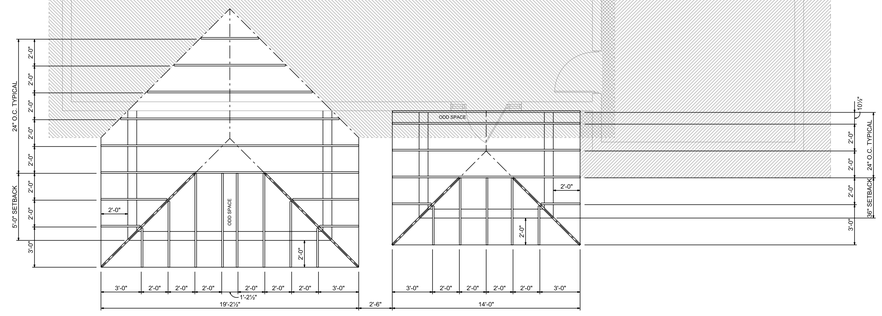
CERTIFICATION STATEMENT:
I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THESE PLANS AND SPECIFICATIONS HAVE BEEN DESIGNED TO COMPLY WITH THE APPLICABLE STRUCTURAL PORTION OF THE BUILDING CODES CURRENTLY ADOPTED AND ENFORCED BY MARTIN COUNTY. I ALSO CERTIFY THAT STRUCTURAL ELEMENTS DEPICTED ON THESE PLANS PROVIDE ADEQUATE RESISTANCE TO THE WINDLOAD AND FORCES SPECIFIED BY CURRENT CODE PROVISIONS.

DESIGN PARAMETERS AND ASSUMPTIONS USED

1. FLORIDA BUILDING CODES: 2010 EDITION/ ASCE 7-10
2. BUILDING DESIGN IS ENCLOSED: ____ PARTIALLY ENCLOSED: ____ OPEN BUILDING: YES
3. MEAN ROOF HEIGHT: <17' ROOF PITCH: 4/12 & 2/12 INTERNAL PRESSURE COEFFICENT: +/- 0.00
4. WIDTH OF END ZONES: <4.0' WIND SPEED: 170 (3 SEC. GUSTS)
5. BUIDLING CLASSICATION TABLE 1-1 ASCE 7 II FBC TABLE 1604.5
6. WIND EXPOSURE CLASSIFICATION: C ADJUSTEMENT FACTOR FOR EXPOSURE & HEIGHT: 1.21
7. COMPONENTS & CLADDING WIND PRESSURE ON ROOF ZONE: 1. -34.0 2. -47.0 3. -80.0 PSF
8. COMPONENTS & CLADDING WIND PRESSURE ON WALL ZONE: 4. N/A 5. N/A
9. COMPONENTS & CLADDING WIND PRESSURE ON OVERHEAD GARAGE DOOR N /A PSF
10. LOADS: FLOOR N/A PSF ROOF/DEAD: 10 PSF ROOF/LIVE: 30 PSF
11. SHEAR WALLS CONSIDERED FOR STRUCTURE? YES X NO (IF NO, ATTACH EXPLANATION)
12. CONTINUOUS LOAD PATH PROVIDED? YES X NO (IF NO, ATTACH EXPLANATION)
13. ARE COMPONENT AND CLADDING DETAILS PROVIDED? YES X NO (IF NO, ATTACH EXPLANATION)
14. MINIMUM SOIL BEARING PRESSURE: 2500 PRESUMPTIVE: 2500 BY TEST: N /A PSF
15. HURRICANE SHUTTERS AS INDICATED ON PRODUCT APPROVAL

AS WITNESSED BY MY SEAL, I HEREBY CERTIFY THAT THE INFORMATION INCLUDED WITH THIS CERTICATION IS TRUE AND CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NAME: JOHN H. CRESWELL, PE CERT. #: PE#: 40940, COA#: 30250
DESIGN FIRM: GREEN DESIGN CONST. & DEV. DATE: 03/07/2014

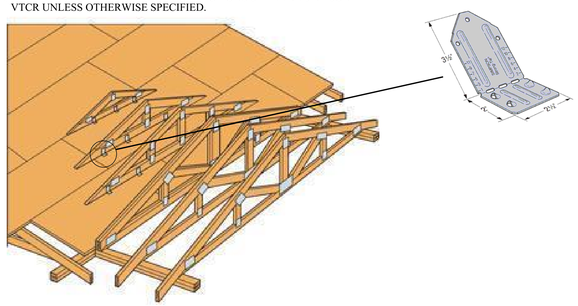


ROOF FRAMING PLAN
SCALE 3/8"=1'-0"

NORTH

CONNECTOR NOTE:

1. ALL TRUSS TO CMU CONNECTIONS SHALL BE SIMPSON HETA16 UNLESS OTHERWISE SPECIFIED.
2. ALL TRUSS TO EXISTING ROOF CONNECTIONS SHALL BE SIMPSON VTCR UNLESS OTHERWISE SPECIFIED.



TYPICAL SIMPSON VTCR INS. DETAIL
SCALE N.T.S.
(SEE SECTION DETAILS FOR SITE SPECIFIC DATA)

ROOF ZONE LEGEND

ZONE: 1	10D NAILS	6" O.C. @ EDGES 8" O.C. @ INTERMEDIATE INTERMEDIATE MAY BE 12" O.C. WHERE GROUP 2 SPECIES IS USED IN 100 M.P.H. GROUP 2-SOUTHERN YELLOW PINE
ZONE: 2	10D NAILS	6" O.C. @ EDGES 6" O.C. @ INTERMEDIATE
ZONE: 3	10D NAILS	4" O.C. @ EDGES 4" O.C. @ INTERMEDIATE

GENERAL NOTES:

: FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
: NOTIFY ENGINEER OF RECORD IMMEDIATELY FOLLOWING ANY DEVIATION OR UNSEEN EXISTING CONDITIONS PRIOR TO BEGINING WORK.
: ALL ROOFING NAILS TO BE RING SHANK.
: ANY AND ALL SHINNERS SHALL BE PULLED AND RE-NAILED W/ 10D RING HAND DRIVES AT EACH LOCATION, PRIOR TO ROOF DRY-IN.

FRAMING NOTES:

1. Lumber Standards: A. Lumber Standards: Comply with DOC PS 20, "American Softwood Lumber Standard," and with applicable grading rules of inspection agencies certified by ALSC's Board of Review. All framing members shall carry visual mark certifing inspection by agencies accredited by the American Lumber Standard Committee (ALSC). A valid agency grade mark on Southern Pine lumber indicates the product meets structural and appearance requirements established for that grade.

2. Inspection Agencies: Inspection agencies, and the abbreviations used to reference them, include the following:

- **A. NELMA - Northeastern Lumber Manufacturers Association.**
- **B. NLGA - National Lumber Grades Authority (Canadian).**
- **C. RIS - Redwood Inspection Service.**
- **D. SPIB - Southern Pine Inspection Bureau.**
- **E. WCLIB - West Coast Lumber Inspection Bureau.**
- **F. WWPA - Western Wood Products Association.**

3. Keep materials under cover and dry. Protect from weather and contact with damp or wet surfaces. Stack lumber, plywood, and other panels. Provide for air circulation within and around stacks and under temporary coverings.

4. Grade Stamps: Provide lumber with each piece factory marked with grade stamp of inspection agency evidencing compliance with grading rule requirements and identifying grading agency, grade, species, moisture content at time of surfacing, and mill.

- **A. For exposed lumber, furnish pieces with grade stamps applied to ends or back of each piece, or omit grade stamps and provide grade-compliance certificates issued by inspection agency.**

5. Discard units of material with defects that impair quality of rough carpentry and that are too small to use with minimum number of joints or optimum joint arrangement.

6. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted.

7. Fit rough carpentry to other construction; scribe and cope as required for accurate fit. Correlate location of furring, nailers, blocking, grounds, and similar supports to allow attachment of other construction.

8. Install wood grounds, nailers, blocking, and sleepers where shown and where required for screeding or attaching other work. Form to shapes shown and cut as required for true line and level of attached work. Coordinate locations with other work involved.

9. Attach to substrates to support applied loading. Recess bolts and nuts flush with surfaces, unless otherwise indicated. Build into masonry during installation of masonry work. Where possible, anchor to formwork before concrete placement.

10. Install permanent grounds of dressed, preservative-treated, key-beveled lumber not less than 1- 1/2 inches wide and of thickness required to bring face of ground to exact thickness of finish material. Remove temporary grounds when no longer required.

11. Install plumb and level with closure strips at edges and openings. Shim with wood as required for tolerance of finish work.

- **A. Firestop furred spaces of walls at each floor level and at ceiling with wood blocking or noncombustible materials, accurately fitted to close furred spaces.**

12. All incedental framing to include "dead-wood"shall be 2x4 pt unless otherwise noted.

13. All Fasteners shall be Hot Dipped Galvanized Ring-Shanked unless otherwise noted.

14. All Roof/Ceiling Framing shall be Grade #1 2x10 pt unless otherwise noted.

GREENDESIGN
GREEN DESIGN CONSTRUCTION & DEVELOPMENT, LLC
CGC#061250
JOHN H. CRESWELL, P.E. #40940
4459 SE KUBIN AVE., STUART, FLORIDA 34997
(863) 634-7428 (772) 215-0156
WWW.GDCFLORIDA.COM

JOHN H. CRESWELL LICENSE No. 40940 STATE OF FLORIDA PROFESSIONAL ENGINEER

SHEET DETAILS
-FLOOR FRAMING PLAN
-ROOF FRAMING PLAN
-FRAMING NOTES
-NAILING ZONES
-ROOF DETAILS

REVISION DATE

CLIENT:
MCHARDY INVESTMENTS
432 SE MLK BLVD
STUART, FL 34994
PIN# 04-38-41-013-009-00010-0

PROJECT:
M.C.'S GRILLE & OFFICE

DRAWN
S.M.K.

CHECKED
JK

DATE
April 18, 2014

SCALE
AS NOTED

JOB NO.
MCH-2013-48

SHEET
S-5

GREENDESIGN
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	A	FLUORESCENT WALL BRACKET WITH STEEL HOUSING WHITE ENAMEL FINISH, CLEAR ACRYLIC PRISMATIC (A12.125) LENS. WILLIAMS "WL1" SERIES. WL1-42T-GX24Q-4-120.	2	T8 3500K	32	HIGH FREQ. ELECTRONIC	120	SURFACE CEILING	2
	B	1'x4' FLUORESCENT PARABOLIC TROFFER WITH 3" DEEP, 18 CELL LOUVER, LOW IRIDESCENT SILVER FINISH AND BLACK REVEAL. WILLIAMS "21" SERIES. 21-4-232-EB2-UNV.	2	T5 3500K	32	HIGH FREQ. ELECTRONIC	120	CEILING RECESSED	1
	B1	1'x4' FLUORESCENT PARABOLIC TROFFER SAME AS TYPE "B" EXCEPT WITH FLUORESCENT EMERGENCY LIGHTING BATTERY PACK CHLORIDE C50ST (1400 LUMEN OUTPUT).	2	T5 3500K	32	HIGH FREQ. ELECTRONIC	120	CEILING RECESSED	1
	C	1'x4' FLUORESCENT FULLY ENCLOSED TROFFER WITH 3" DEEP, 18 CELL LOUVER, LOW IRIDESCENT SILVER FINISH AND BLACK REVEAL. WILLIAMS "93" SERIES. 93-4-232-EB2-UNV.	2	T5 3500K	32	HIGH FREQ. ELECTRONIC	120	CEILING RECESSED	1
	C1	1'x4' FLUORESCENT PARABOLIC TROFFER SAME AS TYPE "B" EXCEPT WITH FLUORESCENT EMERGENCY LIGHTING BATTERY PACK CHLORIDE C50ST (1400 LUMEN OUTPUT).	2	T5 3500K	32	HIGH FREQ. ELECTRONIC	120	CEILING RECESSED	1
	D	INCANDESENT 6" DIA OPEN REFLECTOR DOWNLIGHT WITH SEMI SPECULAR LOW IRIDESCENT REFLECTOR INFINITY "PVSL60" SERIES. PVSL60-132T-EB1-UNV.	1	A21/F 3500K	150	-	120	CEILING RECESSED	1
	F	FLUORESCENT OPEN REFLECTOR DOWN LIGHT WITH 6" APERTURE, CLEAR TRIM AND SPECULAR LOW IRIDESCENT FINISH. INFINITY "PH60" SERIES.	2	QUAD 3500K	26	ELECTRONIC	120	CEILING RECESSED	1
		SINGLE FACE THERMOPLASTIC EXIT SIGN/LIGHT WITH WHITE HOUSING AND RED LETTERS. PROVIDE DIRECTIONAL ARROWS AS INDICATED. MCPHILBEN "COXLT" SERIES. PROVIDE FIXTURE WITH A 90 MINUTE BATTERY BACK UP.	-	LED	-	- -	DUAL	UNIVERSAL	

NOTES:

1. VERIFY CEILING TYPES PRIOR TO ORDERING FIXTURES.
2. MOUNT AT 1'-6" ABOVE STAIR LANDING.
3. PROVIDE FIXTURE WITH ACCESSORY WIRE GUARD.
4. INSTALL FIXTURE ON SINGLE STEM ADJUSTABLE SWIVEL HANGERS WITH BOTTOM OF FIXTURE AT 10'-0".
5. PROVIDE ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS WITH A BUILT-IN MEANS TO DISCONNECT THE BALLAST FROM THE SOURCE OF SUPPLY.
6. VERIFY BALLAST REQUIREMENTS FOR ALL FLUORESCENT FIXTURES. PROVIDE ELECTRONIC DIMMING BALLASTS FOR SPECIFIC FIXTURES INDICATED WITH DIMMER CONTROL.

GENEREAL NOTE:
NO SUBSTITUTIONS TO THE LIGHT FIXTURE SCHEDULE CONTAINED IN THESE DOCUMENTS WILL BE CONSIDERED WITHOUT PRIOR REVIEW AND/OR APPROVAL BY THE ARCHITECT AND ELECTRICAL ENGINEER.

PART 1 - GENERAL

A. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ARCHITECT/ENGINEER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.
B. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF.
C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION) AND ALL CITIES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION. THE SPECIFICATION, CODES AND STANDARDS LISTED BELOW ARE UTILIZED IN THIS PROJECT.
   1. NATIONAL ELECTRICAL CODE (NFPA-70)
   2. CODE FOR SAFETY TO LIFE (NFPA_101)
   3. STANDARD FOR THE INSTALLATION, MAINTENANCE AND USE OF LOCAL PROTECTIVE SIGNALING SYSTEMS (NFPA-72)
   4. UNDERWRITERS' LABORATORIES (UL)
   5. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
   6. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
   7. FEDERAL SPECIFICATION (FED. SPEC.)
   8. INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
   9. FLORIDA BUILDING CODE, 2014 EDITION
   10. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
   11. CITY OF STUART BUILDING CODE. (AMENDMENTS TO FLORIDA BUILDING CODE 2014)
   12. ADDITIONALLY, DESIGNS, WORK PRACTICES AND CONDITIONS MUST CONFORM WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA)
D. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.
E. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
F. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FROM A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
G. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THERE BY.
H. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
I. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.
J. THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL MEAN THAT THE CONTRACTOR IS TO FURNISH, INSTALL AND CONNECT COMPLETE.

2

PART 2 - PRODUCTS

A. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. (EXCEPT AS NOTED OTHERWISE FOR CONTROL WIRING). ALL CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER WITH "THHN-THWN" INSULATION UNLESS OTHERWISE NOTED.
B. ELECTRICAL METALLIC TUBING (EMT) SHALL BE OF BEST QUALITY STEEL, SMOOTH INSIDE AND OUT AND SHALL BE HOT-DIPPED GALVANIZED.
C. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
D. RIGID NONMETALIC CONDUIT SHALL BE SCHEDULE 40 P.V.C.
E. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
F. PANELBOARDS:
   1. CURRENT CARRYING BUSES SHALL BE COPPER. GROUND BUS BARS SHALL BE COPPER.
   2. ALL CIRCUIT BREAKERS SHALL BE BOLT ON. PLUG-IN BREAKERS ARE NOT ACCEPTABLE.
   3. CIRCUIT BREAKERS USED AS SWITCHES IN FLUORESCENT OR HID LIGHTING CIRCUITS SHALL BE LISTED AND MARKED "SWD"
   4. ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE.
   5. A.I.C. RATINGS SHALL BE AS INDICATED ON PANELBOARD SCHEDULES.
   6. ALL PANELBOARDS SHALL BE FURNISHED WITH PLASTIC LAMINATE NAMEPLATES WITH 1/4" ENGRAVED LETTERING FOR PANEL IDENTIFICATION.
   7. ALL PANELBOARDS SHALL BE PROVIDED WITH TYPE-WRITTEN DIRECTORY OF BRANCH CIRCUIT DESIGNATIONS.
G. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE, QUICK-BREAK, ENCLOSURES SHALL BE NEMA-1 FOR INDOOR LOCATIONS, NEMA 3R FOR OUTDOOR LOCATIONSOR AS OTHERWISE NOTED.
H. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC AS INDICATED ON THE ELECTRICAL DRAWINGS, WITH OVERLOAD RELAYS IN EACH PHASE.
I. WIRING DEVICES (GENERAL PURPOSE RECEPTACLES AND WALL SWITCHES) COLOR SHALL BE COORDINATED WITH CLIENT.

PART 3 - EXECUTION

A. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS:
   1. 208/120 VOLTS, 3 PHASE, 4-WIRE SYSTEM, UNGROUNDED CONDUCTORS: 1 BLACK, 1 RED AND 1 BLUE. GROUNDED (NEUTRAL) CONDUCTOR: WHITE. GROUNDING CONDUCTORS SHALL BE GREEN.
   2. 480/277 VOLT, 3-PHASE, 4-WIRE SYSTEM, UNGROUNDED CONDUCTORS: 1 BROWN, 1 YELLOW, AND 1 PURPLE. GROUNDED (NEUTRAL) CONDUCTOR: GREY. GROUNDING CONDUCTORS SHALL BE GREEN.
   3. BRANCH CIRCUIT WIRING (#6 AND SMALLER) SHALL BE COLOR CODED BY CONTINUOUS INSULATION COLOR AND FEEDERS AND SERVICES (#4 AND LARGER) SHALL BE CODED AT ALL JUNCTION OR PULL POINTS (EXCEPT LB'S OR LBD'S) USING COLOR MARKERS OR PLASTIC TAPE MANUFACTURED FOR THE PURPOSE.
B. WIRING METHODS
   1. ALL CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED, SPECIFIED OR AS SPECIFICALLY PROHIBITED BY THE AUTHORITY HAVING JURISDICTION. ALL FITTINGS AND COUPLINGS FOR EMT CONDUIT SHALL BE ALL STEEL RAIN TIGHT COMPRESSION TYPE OR ALL STEEL CONCRETE TIGHT SET SCREW TYPE.
   2. SCHEDULE 40 PVC CONDUIT, WITH FITTINGS AND COUPLINGS APPROPRIATE FOR THE USE, SHALL BE INSTALLED UNDERGROUND OR BELOW SLABS ON GRADE.
   3. TYPE MC CABLE WITH ALUMINUM ARMOR AND INTERNAL GROUND IS ACCEPTABLE FOR USE AS GENERAL BRANCH CIRCUIT WIRING FOR CIRCUITS 20 AMPERES OR LESS AND CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
C. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C. AND LOCAL CODES.
D. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
E. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
F. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES, AND SHALL BE FULLY COORDINATED WITH THEM PRIOR TO COMMENCEMENT OF WORK.
G. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, AND WIRING DEVICES, FOR ALL OUTLETS AS INDICATED.
H. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF NEC, NEMA, AND IEEE.
I. CONTRACTOR SHALL SUBMIT AT LEAST FIVE (5) SETS OF SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED OF HIS WORK.
K. ALL LAY-IN LIGHTING FIXTURES SHALL BE SECURED TO THE SUSPENDED CEILING GRID AT EACH CORNER.
L. CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.
M. ALL ELECTRICAL POWER WIRING FOR THE HVAC SYSTEM INCLUDING WIRING THRU LINE VOLTAGE CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
N. CONDUCTORS FOR BRANCH CIRCUITS SHALL BE INCREASED FROM SIZES INDICATED ON PANEL SCHEDULES TO PREVENT VOLTAGE DROP EXCEEDING 3% AT THE FARTHEST DEVICE. LOADS FOR DETERMINING CONDUCTOR SIZE SHALL BE BASED ON ACTUAL CONNECTED LOAD OR 80% OF BREAKER SIZE, WHICHEVER IS GREATER. CONTACT ENGINEER OF RECORD FOR ALL RUNS IN EXCESS OF 100 FT. FOR DETERMINATION OF WIRE SIZE. FOR BID PURPOSES, INCREASE WIRE BY ONE (1) WIRE SIZE FOR RUNS 100 FT. TO 200 FT. AND TWO (2) WIRE SIZES FOR RUNS OVER 200 FT.
O. FEEDER CONDUCTORS SHALL BE INCREASED FROM SIZES INDICATED ON RISER DIAGRAM TO PREVENT VOLTAGE DROP EXCEEDING 2%. LOADS FOR DETERMINING CONDUCTOR SIZE SHALL BE BASED ON ACTUAL CONNECTED LOAD OR 80% OF BREAKER SIZE, WHICHEVER IS GREATER.
P. THE CONTRACTOR SHALL CONFIRM WITH THE ELECTRICAL UTILITY COMPANY ANY AND ALL REQUIREMENTS SUCH AS: METERING EQUIPMENT REQUIREMENTS AND METERING EQUIPMENT LOCATION, TRANSFORMER SIZE AND LOCATION OR SERVICE POINT, CONDUIT ENTRY AND LUG SIZE RESTRICTIONS. THE CONTRACTOR SHALL SCHEDULE ALL REQUIRED DOWN TIME FOR THE OWNERS CONFIRMATION.
Q. ANY CONFLICTS AND DESCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.
R. PER NEC 210.8(B)(2) ALL 15- AND 20-AMPERE, 125-VOLT RECEPTACLES IN NONDWELLING-TYPE KITCHENS TO BE GFCI PROTECTED.

E-1	ELECTRICAL LEGEND, NOTES, SCHEDULES
E-2	ELECTRICAL RISER DIAGRAM, ELECTRICAL PANEL SCHEDULES
E-3	1ST FLOOR POWER PLAN, 1ST FLOOR LIGHTING PLAN
E-4	2ND FLOOR POWER PLAN, 2ND FLOOR LIGHTING PLAN

ELECTRICAL LEGEND

▽	TELEPHONE OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
▼	DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
▽T	TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNTED ABOVE COUNTER. SEE ARCHITECTURAL DRAWING FOR SPECIFIC REQUIREMENTS.
▼T	TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
▽T	TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT RUN TO THE NEAREST STUD WALL AND STUBBED OUT FROM WALL 6" ABOVE CEILING. PROVIDE BRASS COVER PLATE AND CARPET FLANGE.
TV	TELEVISION OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
	20 AMP SINGLE RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE.
	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE.
	20 AMP QUADRUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE.
GFI	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) WITH GROUND FAULT CIRCUIT INTERRUPTER, MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET, UNLESS NOTED OTHERWISE.
	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED ABOVE COUNTER SEE ARCHITECTUAL DRAWINGS FOR SPECIFIC REQUIREMENTS.
	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) WITH ISOLATED GROUND, MOUNT AT 18" A.F.F. TO CENTERLINE OF OUTLET UNLESS OTHERWISE NOTED.
	20 AMP QUADRUPLEX RECEPTACLE (NEMA 5-20R) WITH ISOLATED GROUND, MOUNT AT 18" A.F.F. TO CENTERLINE OF OUTLET UNLESS OTHERWISE NOTED.
	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R), RECESS FLOOR MOUNTED. PROVIDE BRASS COVER PLATE AND CARPET FLANGE.
	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R), CEILING MOUNTED.
	SPECIAL-PURPOSE RECEPTACLE
J	JUNCTION BOX
JP	SINGLE GANG JUNCTION BOX FOR POWER CONNECTION TO MODULAR FURNITURE SYSTEM INSTALL IN EXACT MANNER AS DIRECTED BY FURNITURE SUPPLIER.
JT/D	DOUBLE GANG JUNCTION BOX FOR TELEPHONE/DATA CONNECTION TO MODULAR FURNITURE SYSTEM. INSTALL IN EXACT MANNER AND LOCATION AS DIRECTED BY FURNITURE SUPPLIER. EXTEND (2) 3/4" EMPTY CONDUITS FROM JUNCTION BOX TO ABOVE CEILING AND TERMINATE WITH INSULATING BUSHING 6" FROM WALL.
	TELE/POWER POLE FOR TELEPHONE/DATA/POWER CONNECTION TO MODULAR FURNITURE 8 WIRE SYSTEM (SEE DETAIL THIS SHEET). INSTALL IN EXACT MANNER AND LOCATION AS DIRECTED BY FURNITURE SUPPLIER, WIREMOLD CATALOG # 2SDTP-4D W/IVORY FINISH.
	SPECIAL PURPOSE RECEPTACLE MOUNTED BELOW RAISE FLOOR.
EF	EXHAUST FAN. SEE MECHANICAL DRAWINGS FOR SPECIFICATIONS.
$	SINGLE POLE, 20 AMP, SWITCH. MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
$3	3-WAY, 20 AMP, SWITCH. MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
$D	SINGLE POLE, 20 AMP, SWITCH WITH DIMMER. MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
$M	MOTOR RATED SWITCH
$MD	OCCUPANCY SWITCH, WATTSTOPPER, MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
	TWO POLE, 30 AMP SWITCH. MOUNT ADJACENT EQUIPMENT TO BE CONTROLLED.
	FACTORY MOUNTED DISCONNECT/STARTER (SEE MECHANICAL SCHEDULE)
A B C	FUSIBLE DISCONNECT SWITCH A = POLES, B= FRAME SIZE, C= FUSE RATING
A B C	FUSIBLE MOTOR STARTER DISCONNECT SWITCH A = POLES, B= NEMA SIZE, C= FUSE RATING
	GROUNDING ELECTRODE & CONDUCTOR SYSTEM
	TRANSFORMER
	ELECTRICAL PANELBOARD
	TELEPHONE WOOD BACKBOARD
WP	WEATHERPROOF
T/C	TIME CLOCK
RE	RELOCATED
E	EXISTING TO REMAIN
A.F.F.	ABOVE FINISH FLOOR
	CEILING MOUNTED DUAL TECHNOLOGY MOTION SENSOR BY WATTSTOPPER.
LV	CEILING MOUNTED LOW VOLTAGE DUAL TECHNOLOGY MOTION SENSOR BY WATTSTOPPER.

WRITTEN DIMENSIONS ON THESE DOCUMENTS SHALL TAKE PRECEDENCE OVER ALL SCALED DIMENSIONS. CONTRACTORS ARE TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS, SETBACKS & CONDITIONS AT THE JOB SITE. ENGINEER/DESIGNER SHALL BE NOTIFIED OF ANY VARIATIONS IN DIMENSIONS, SETBACKS AND/OR CONDITIONS BEFORE SAID CONSTRUCTION IS AUTHORIZED. SHOP DRAWINGS SHALL BE MARKED "REVIEWED BY THE ENGINEER/DESIGNER" BEFORE FABRICATION OF PARTS IS APPROVED.

ELECTRICAL CERTIFICATION:
PER MY REVIEW THESE PLANS FOR THE PROPOSED RENOVATIONS ARE IN CONFORMANCE WITH F.B.C. 2010, AND 2011 NATIONAL ELECTRIC CODE (NFPA-70)
BY: CONTRACTOR PRINTED NAME SIGNATURE FLORIDA LICENSE NUMBER

SHEET DETAILS
-ELECTRICAL NOTES

REVISION DATE
10/05/2015

CLIENT:
MCHARDY INVESTMENTS
432 SE MLK BLVD
STUART, FL 34994
PIN# 04-38-41-013-009-00010-0

PROJECT:
M.C.'S GRILLE & OFFICE

DRAWN
S.M.K.
CHECKED
JK
DATE
April 18, 2014
SCALE
AS NOTED
JOB NO.
MCH-2013-48
SHEET
E-1