**BUILDING CODES** 2015 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS) - LEVEL 1

NEC 2014 (STATE OF MICHIGAN ELECTRICAL CODE) USE AND OCCUPANCY CLASSIFICATIONS (CHAPTER 3) EXISTING OCCUPANCIES

**BUILDING CONSTRUCTION TYPE- (TABLE 601)** 

B, BUSINESS

### GENERAL NOTES

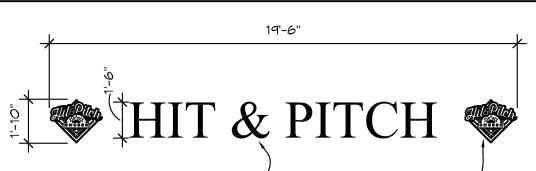
- THIS BUILDING CONTRIBUTES TO THE OWOSSO DOWNTOWN HISTORIC DISTRICT, LISTED IN THE NATIONAL REGISTER OF HISTORIC PLACES IN 2014, AS MELL AS THE LOCAL HISTORIC DISTRICT. AS SUCH ALL WORK TO BE UNDERTAKEN SHALL BE DONE IN ACCORDANCE WITH THE SECRETARY OF THE INTERIOR GUIDELINES FOR REHABILITATION DEVELOPMENT BY THE NATIONAL PARK SERVICE WITHIN THE UNITED STATES DEPARTMENT OF THE INTERIOR.
- 2. WHERE DEMOLITION IS TO BE UNDERTAKEN, DO SO WITH EXTREME CAUTION AND CARE IN ORDER TO ENSURE THAT THE EXISTING MATERIAL UNDERNEATH AND/OR ADJACENT, IS NOT DAMAGED.
- CLEAN COMPONENTS TO REMAIN USING GENTLEST MEANS POSSIBLE. POWER WASHING IS NOT ALLOWED.
- 4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MEASUREMENTS.
- CONTRACTOR SHALL DETERMINE EXTENT OF DETERIORATION BY MEANS OF 'SOUNDING' AND ' PROBING' TO DETERMINE COMPONENTS THAT REQUIRE REPLACEMENT OR REPAIR.
- CONTRACTOR SHALL PROVIDE PEDESTRIAN PROTECTION DURING CONSTRUCTION PER BUILDING CODE AND ZONING ORDINANCE.
- CONTRACTOR SHALL CREATE A WORK PLAN TO MINIMUM IMPACT ON BUSINESS OPERATIONS AND COORDINATE SCHEDULE WITH BUILDING OWNER AND TENANTS FOR MINIMUM IMPACT.
- 8. CONTRACTOR TO SECURE AND MAKE WEATHER TIGHT ALL CONSTRUCTION AFTER WORK HOURS. TEMPORARY CLOSURES SHALL BE SUFFICIENT TO DETER UNAUTHORIZED ENTRY AND THEFT.
- CONTRACTOR SHALL BE LEAD SAFE RENOVATOR CERTIFIED.

# DEMOLITION

- THIS PROJECT INVOLVES SELECTIVE DEMOLITION REPAIRS AND IMPROVEMENTS TO EXISTING ca 1890 - ca 1940 BUILDINGS. EXISTING CONDITIONS OR BUILDING ELEMENTS SHALL NOT BE REMOVED OR DISFIGURED UNLESS SPECIFICALLY INDICATED ON THESE DRAWINGS. HEREIN SPECIFIED OR AS DIRECTED BY THE ARCHITECTS. PROTECT ADJACENT MATERIALS WHEN UNDERTAKING SELECTIVE DEMOLITION, REPAIRS AND NEW WORK. NO DESTRUCTIVE MEANS WERE USED TO DETERMINE EXISTING CONDITIONS DURING THE PREPARATION OF THESE DOCUMENTS. NOTIFY THE DESIGN PROFESSIONAL WHERE EXISTING CONDITIONS HAVE BEEN OPENED EXPOSING STRUCTURAL CONDITIONS.
- 2. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING OF WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS
- OMNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ITEMS SCHEDULED FOR REMOVAL.
- TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWING; HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVER ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES, AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW MORK AS SHOWN. CONTRACTOR IS RESPONSIBLE FOR REMOVING CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS, AT AREAS OF DEMOLITION
- CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE INTEGRITY AND STRUCTURAL STABILITY. PROVIDE SHORING REQUIRED OF THE BUILDING AND ITS ELEMENTS AND/OR ALL NECESSARY TEMPORARY
- VERIFY EXACT SIZE AND LOCATION OF WALL, FLOOR AND ROOF OPENINGS REQUIRED OF OTHER TRADES. COORDINATE ALL WORK WITH MECHANICAL AND
- USE CONSTRUCTION INDUSTRY RECOGNIZED AND ACCEPTABLE CUTTING METHODS TO AVOID DAMAGE TO OTHER MORK OR FINISHES TO REMAIN AND WHICH WILL PROVIDE PROPER SURFACES FOR PATCHING AND
- 8. UNLESS NOTED OTHERWISE, REPAIR ALL WALLS, FLOORS AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION - MATCH EXISTING ADJACENT FINISHES

#### CONSTRUCTION

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF EXISTING CONDITIONS. DO NOT SCALE THESE DRAWINGS
- PREPARE FOR NEW WORK BY REMOVING EXISTING SURFACE COMPONENTS DOWN TO ORIGINAL CONSTRUCTION UNLESS OTHERWISE NOTED
- 3. FIT WORK TIGHT TO ADJACENT ELEMENTS, MAINTAIN INTEGRITY OF WALL. CEILING, OR FLOOR CONSTRUCTION, COMPLETELY SEAL VOIDS.
- 4. WHERE REMOVAL OF AN ELEMENT RESULTS IN ADJACENT SPACES BECOMING ONE, REMORK FLOORS, WALLS AND CEILINGS TO CREATE A SMOOTH PLANE WITHOUT BREAKS, STEPS OR BULKHEADS.
- WHERE NEW WORK ABUTS OR ALIGNS WITH EXISTING, MAKE A SMOOTH AND EVEN TRANSITION. PATCH WORK SHALL MATCH EXISTING ADJACENT WORK IN TEXTURE AND APPEARANCE. WHERE FINISH SURFACES ARE CUT SO THAT A SMOOTH TRANSITION WITH NEW WORK IS NOT POSSIBLE, TERMINATE EXISTING SURFACE ALONG A STRAIGHT LINE AT NATURAL LINE OF DIVISION.
- 6. COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL COMPONENTS TO INTERFACE WITH WALLS, FLOORS, CEILINGS, OR ROOFS.
- 7. UNLESS NOTED OTHERWISE, REPAIR ALL WALLS, FLOORS AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION - MATCH EXISTING ADJACENT FINISHES
- THE DRAWINGS ARE INTENDED TO SHOW DESIGN INTENT, GENERAL ARRANGEMENT AND EXTENT OF THE WORK AND ARE PARTLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED OR USED FOR ROUGH-IN MEASUREMENTS, NOT TO BE USED AS SHOP DRAWINGS. INADVERTENT DISCREPANCIES OR THE OMISSION OF NOTES OR DETAILS ON ANY DRAWING BUT GIVEN ON ANOTHER DRAWING SHALL NOT BE CAUSE FOR ADDITIONAL CHARGE OR CLAIM.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY BRACING AND/OR SHORING REQUIRED TO MAINTAIN THE INTEGRITY AND STRUCTURAL STABILITY OF THE BUILDING AND ITS ELEMENTS DURING CONSTRUCTION.
- 10. CONTRACTOR SHALL PREVENT DAMAGE BY WEATHERPROOFING ALL OPENINGS. PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS OF THE NEW AND EXISTING BUILDING DURING CONSTRUCTION.
- 11. NOTES IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS AND NOT NOTED IN THE SPECIFICATIONS, IS OF LIKE EFFECT AS IF SHOWN OR NOTED ON BOTH



MELDED ALUMINUM DIMENSIONAL OPAQUE FACE 1'-6" TALL, 3" DEEP REVERSE CHANNEL HALO LIT LETTERING. PROVIDE LED LIGHT SOURCE. STUD STANDOFF MOUNT TO BEAD BOARD.

FONT = TIMES NEW ROMAN

- COLOR SELECTED BY OWNER

LOGO 3" DEEP. STUD STANDOFF MOUNT TO BEAD - LOGO COLORS MAXIMUM (3) - TYPICAL OF (2) EACH FACE

OPAQUE FACE PAINTED -

#### SOUTH - M MAIN ST SIGNAGE ELEVATION



OPAQUE FACE PAINTED LOGO 3" DEEP. STUD STANDOFF MOUNT TO BEAD - LOGO COLORS MAXIMUM (3) - TYPICAL OF (1)

#### SOUTH - M MAIN ST LARGE LOGO SIGNAGE ELEVATION



MELDED ALUMINUM DIMENSIONAL LETTERS 1'-6" TALL. STUD STANDOFF MOUNT TO BEAD - FONT = TIMES NEW ROMAN

- COLOR SELECTED BY OWNER

OPAQUE FACE PAINTED -LOGO 3" DEEP. STUD STANDOFF MOUNT TO BEAD - LOGO COLORS MAXIMUM (3) - TYPICAL OF (2) EACH FACE OF BUILDING

MEST - N BALL ST SIGNAGE ELEVATION

# RE-BID CITY OF OWOSSO

301 W. MAIN ST, OWOSSO, MICHIGAN 48867

2018 FACADE PROJECT

# CDBG PROGRAM 114 W. MAIN STREET

OWOSSO, MICHIGAN 48867

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9100 Lapeer Rd. Suite B Davison, MI 48423 (810) 412-5640 www.h2aarchitects.net

#### FSA ENGINEERING LLC

3449 Breze Point Ct LINDEN. MICHIGAN 48451 810-394-1379 www.fsa-engineering.com fabdallh@fsa-engineering.com

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G001

CAD FILE NO. G001 SHEET

SPECIFICATIONS:

#### DIVISION 1 - GENERAL REQUIREMENTS:

#### DIVISION 2 - DEMOLITION:

PROVIDE, ERECT, AND MAINTAIN PEDESTRIAN BARRIERS. SIDEWALK CLOSURES SHALL BE ALLOWED WITH APPROVAL OF THE CITY.
MAINTAIN MINIMUN (2) MEANS OF EGRESS FROM EACH BUSINESS. PREVENT MOVEMENT OR SETTLEMENT. PROTECT ITEMS TO REMAIN.
CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH ADJACENT STRUCTURES, SITE AREAS AND WITH A MINIMUM INTERFERENCE TO
PUBLIC OR PRIVATE ACCESS TO EACH BUSINESS AND THE PUBLIC WAY. SECURE PROJECT THROUGHOUT CONSTRUCTION TO THWART
UNAUTHORIZED ENTRY OR THEFT AFTER HOURS.

DISCONNECT, REMOVE, CAP AND IDENTIFY UTILITIES WITHIN DEMOLITION AREA. UNDERTAKE DEMOLITIONS OF COMPONENTS AS INDICATED AND IN AN ORDERLY AND CAREFUL MANNER. PROVIDE ALL TEMPORARY SHORING AND SUPPORT. CEASE OPERATIONS IMMEDIATELY IF STRUCTURE OR ADJACENT STRUCTURES APPEAR TO BE IN DANGER AND NOTIFY DESIGN PROFESSIONAL.

TAKE ACTIONS TO MINIMIZE DUST AND AIR-BORNE DEBRIS. REMOVE DEMOLISHED MATERIALS FROM SITE AS WORK PROGRESSES. MAINTAIN WORK AREA IN CLEAN CONDITION. SCHEDULE DEMOLITION OF STRUCTURAL CANOPIES WITH CITY FOR MINIMUM IMPACT TO

#### DIVISION 4 - MASONRY:

PEDESTRIANS.

GENERAL STUCCO REPAIR: FOR REPAIR OF EXTERIOR STUCCO WALLS, FIRST THE CONTRACTOR SHALL EVALUATE THE EXISTING CONDITIONS BY VISUAL OBSERVATION AND SOUNDING. CONTRACTOR SHALL VISUALLY IDENTIFY AND DEMARK THE AREAS THAT ARE CRACKED, DAMAGED OR LOOSE. PLASTERERS EXPERIENCED IN THE PREPARATION OF MATCHING HISTORIC STUCCO SHALL MEET WITH THE ARCHITECT AT THE ONSET OF THE PROJECT TO DISCUSS THE REPAIR PRODUCTS AND PREPARE SAMPLES FOR APPROVAL.

STUCCO REPAIR PRODUCTS: LARGE AREAS MAY BE REPAIRED WITH PRODUCTS EQUAL TO CEM-PLAST 54 AS MANUFACTURED BY EDISON COATINGS, INC. FOR LIMITED REPAIRS SUCH AS CRACKS OR LOCALIZED DAMAGES IN THE EXISTING STUCCO, USE PRODUCTS EQUAL TO CUSTOM SYSTEM 45 TYPE ST AS MANUFACTURED BY EDISON COATINGS, INC. PROVIDE A COMPLETE SYSTEM, INCLUDING SURFACE BOND-DASH COAT, BASE COAT AND FINISH COAT MATERIALS. INCLUDE AGGREGATES TO PRODUCE RESULTS THAT WILL MATCH THE EXISTING CONDITIONS.

STUCCO COLOR: COLOR MATCHING IS NOT NECESSARY ON THIS PROJECT. THESE SURFACES SHALL RECEIVE AN ELASTOMERIC COATING. SEE PAINTING.

STUCCO MIXING: MIX IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. THOROUGHLY MIX INGREDIENTS WITH A MECHANICAL MIXER IN ACCORDANCE WITH ASTM C926 IN QUANTITIES FOR IMMEDIATE USE. RE-TEMPER ONLY AS ALLOWED BY WRITTEN MANUFACTURER'S INSTRUCTIONS. UNUSED PRODUCTS MUST BE DISCARDED AFTER 90 MINUTES FOR CEM-PLAST 54 AND 30 MINUTES FOR CUSTOM 45. LATEX ADDITIVES MAY BE INCLUDED TO REDUCE SHRINKAGE AND IMPROVE CURING REQUIREMENTS.

STUCCO REPAIR PROCEDURES: REMOVE EXISTING DETERIORATED STUCCO UNTIL A CLEAN, SOUND SUBSTRATE IS REACHED. USE CARE NOT TO DAMAGE ADJACENT OR HISTORIC MATERIALS BENEATH THE STUCCO. IF LARGE DEEP REPAIRS WILL BE OTHERWISE UNSUPPORTED, MECHANICAL KEYING OR ANCHORING SHALL BE PROVIDED. USE CAUTION NOT TO DAMAGE OR DESTROY HISTORICAL DETAILS IN THE SUBSTRATE. INSTALL A COMPLETE SYSTEM, INCLUDING SURFACE BOND-DASH COAT, BASE COAT AND FINISH COAT MATERIALS. INCLUDE AGGREGATES TO PRODUCE RESULTS THAT WILL MATCH THE EXISTING CONDITIONS. DAMPEN ALL POROUS SURFACES WITH CLEAN WATER PRIOR TO APPLICATION BUT LEAVE NO STANDING EXCESS WATER. PREPARE A BONDING COAT MIXED TO THE CONSISTENCY OF A HEAVY PAINT. APPLY BY BRUSH WORKING INTO ALL DEPRESSIONS. APPLY ONLY AS MUCH AREA AS WILL BE BASE COATED WITHIN 1 HOUR. APPLY BASE COAT BY HAND. SEPARATIONS MUST BE PROVIDED WHERE STUCCO ABUTS DISSIMILAR CONSTRUCTION MATERIALS OR OPENINGS. APPLY EACH COAT TO AN ENTIRE WALL WITHOUT INTERRUPTION TO AVOID COLD JOINTS. WHEY APPLYING TO LARGE SECTIONS, ALWAYS WORK TO AN INCONSPICUOUS AREA, SUCH AS A CORNER, OPENING, OR BELT COURSE AS A STOPPING POINT. AS SOON AS THE BASE COT IS FIRM, SCORE IT IN ONE DIRECTION IN PREPARATION FOR THE NEXT COAT. IF BASE COAT HAS BECOME DRY PRIOR TO APPLICATION OF FINISH COAT, EVENLY DAMPEN THE SURFACE WITH CLEAN WATER. THERE SHOULD BE NO VISIBLE WATER ON THE SURFACE, ONLY DAMP CONDITIONS. APPLY THE FINISH COAT WITH SUFFICIENT PRESSURE TO ENSURE TIGHT CONTACT WITH THE BASE COAT. FINISH THE FINAL COAT TO MATCH EXISTING TEXTURE AND SCORING OR BEAD JOINTS IF APPLICABLE. CURE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

#### DIVISION 5 - METALS:

GENERAL: CONTRACTOR SHALL VISUALLY OBSERVE THE CONDITIONS OF THE EXISTING LINTELS. WHERE LINTELS SHOW SIGNS OF DETERIORATION, CONTRACTOR SHALL NOTIFY ARCHITECT FOR DIRECTION. LINTELS THAT REQUIRE REPLACEMENT OF REMEDIATION SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS.

LOOSE STEEL LINTEL REPLACEMENT: FABRICATE LOOSE STEEL LINTELS FROM STEEL ANGLES AND SHAPES OF SIZE MATCHING THE COMPONENTS THEY ARE REPLACING. PRIME LOOSE STEEL LINTELS LOCATED IN EXTERIOR WALLS WITH ZINC-RICH PRIMER.

STEEL REMEDIATION FOR DETERIORATED CONDITIONS OF EXISTING STEEL LINTELS: FIELD PREPARATION SHALL COMPLY WITH SSPC-SP1 SOLVENT CLEANING AND SSPC-SP11. CLEAN AND PREP EXISTING LINTELS REMOVING ALL RUST AND CORROSION, SLIGHT RESIDUES MY BE LEFT. APPLY FIELD COATING OF PRIMER CONSISTING OF B50MZ001, KEM KROMIK UNIVERSAL METAL PRIMER BY SHERWIN WILLIAMS AND (2) COATS OF B53M01251, PI WB ALK UR LS- WATERBASED ALKYD URETHANE ENAMEL ALSO BY SHERWIN WILLIAMS.

#### DIVISION 6 - WOOD:

WOOD FRAMING FOR LOAD BEARING WALLS AND HEADERS SHALL BE SOUTHERN PINE (SP) No. 1 OR BETTER (SPIB) AS FOLLOMS:
BENDING FB = 1,250 PSI
SHEAR FV = 175 PSI

MOD ELAS E = 1,600,000 PSI

WOOD IN CONTACT WITH MASONRY, CONCRETE, WEATHER OR GRADE SHALL BE PRESSURE TREATED.

WOOD FRAMING, EXTERIOR WALLS FOR NON-STRUCTURAL CONDITIONS SHALL BE ANY SOUTHERN PINE (SP) NO. 2 OR BETTER ANY SPECIES MEETING THE FOLLOWING:

BENDING FB = 1,000 PSI

MOD ELAS E = 1,500,000 PSI

MISCELLANEOUS LUMBER FOR SUPPORT OR ATTACHMENT OF OTHER CONSTRUCTION SUCH AS BLOCKING, NAILERS, FURRING, GROUNDS, SHALL BE ANY SPECIES NO. 2 OR BETTER.

EXTERIOR TRIM AND PANELS SHALL BE SYNTHETIC UNLESS NOTED OTHERWISE. PRODUCTS SHALL BE EXTRUDED, OR EXPANDED PVC, POLYURETHANE OR URETHANE, RECOMMENDED BY MANUFACTURER FOR EXTERIOR USE, MADE FROM UV- AND HEAT-STABILIZED, RIGID MATERIAL. PRODUCTS MANUFACTURED BY AZEK, CERTAINTEED OR FYPON OR EQUAL. MINIMUM 10-YEAR MANUFACTURER'S WARRANTEE. SUBMIT SAMPLES FOR VERIFICATION. PROVIDE SIZES AND SHAPES AS INDICATED ON DRAWINGS OR AS NECESSARY TO CREATE A COMPLETE COMPONENT. SMOOTH SURFACE TO THE EXTERIOR. SIZES AND SHAPES INCLUDE BUT ARE NOT LIMITED TO: NOMINAL 1 X 2, 1 X 4, 1 X 8, 3/4" SMOOTH SHEETS NOMINAL 4' X 8' OR LONGER LENGTHS IF AVAILABLE, 1/2" BEAD BOARD BY NOMINAL 4' X 8', SMOOTH WITH REVERSIBLE BEADED CONFIGURATION.

EXTERIOR TRIM AND PANELS WITHIN 8" OF GRADE SHALL BE BORAL 'TRUEXTERIOR' OR EQUAL MADE FROM FLY ASH.

EXTERIOR TRIM AND PANELS FOR EXTERIOR USE SHALL BE WOOD WHERE SPECIFICALLY NOTED. SPECIES AND GRADE SHALL BE WESTERN RED CEDAR, CLEAR HEART, GRADE A. FACE SURFACES SHALL BE SMOOTH, PRIME ALL SURFACES INCLUDING END CUTS.

INSTALL SYNTHETIC TRIM TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALL WITH MINIMUM NUMBER OF JOINTS PRACTICAL, USING FULL-LENGTH PIECES FROM MAXIMUM LENGTHS OF LUMBER AVAILABLE. DO NOT USE PIECES LESS THAN 24 INCHES LONG EXCEPT AS NECESSARY. USE SCARF JOINTS FOR END-TO-END JOINTS. STAGER END JOINTS IN ADJACENT AND RELATED MEMBERS. FIT EXTERIOR JOINTS TO EXCLUDE WATER. CONSTRUCT WITH JOINTS IN PANELS UNDER TRIMS TO THE MAXIMUM EXTENT FEASIBLE. COPE AT RETURNS AND MITER AT CORNERS. PROVIDE DRIP EDGES TO DETER WATER FROM FACES OF MATERIALS BELOW. ALL TRIM SHALL BE BACK-PRIMED, REFER TO PAINTING.

SYNTHETIC DECORATIVE COMPONENTS SUCH AS BRACKETS, DRIP CAP, CORNICE, DECORATIVE PILASTERS AND DECORATIVE MOLDING SHALL BE EQUAL TO THE FOLLOWING MODEL NUMBERS:

PILASTER	SYNTHETIC FLUTED PANEL TRIM	FP12x96	FYPON OR EQUAL	SIDE ENTRY
BRACKET	SYNTHETIC	BKT7X16	FYPON OR EQUAL	SIDE ENTRY BRACKET
BRACKET	SYNTHETIC	BKT11X20X6	FYPON OR EQUAL	CORNER BRACKET

DRIP CAP SYNTHETIC AZM-197 AZEK OR EQUAL

OTHER TRIMS AND MOLDINGS NECESSARY FOR THE COMPLETE INSTALLATION SHALL BE AS PROPOSED BE CONTRACTOR

#### DIVISION 7 - THERMAL AND MOISTURE PROTECTION:

PROVIDE AIR AND WEATHER MEMBRANE BARRIER EQUAL TO 'TYVEK COMMERCIAL WRAP' ON EXTERIOR FACE OF WALL SHEATHING TO BE COVERED BY SIDING. OVERLAP MINIMUM 12 INCHES AND ANCHOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

SHEET METAL FLASHING AND TRIM SHALL BE PREFINISHED ALUMINUM OR PREFINISHED GALVANIZED STEEL. FASCIAS SHALL COMPLY WITH G90.

STEEL FASCIAS GAUGE AS FOLLOMS: UP TO 6 INCH HIGH - 25 GAUGE, UP TO 8 INCH HIGH - 24 GAUGE, UP TO 10 INCH HIGH - 22 GAUGE.

EIFS SHALL BE EQUAL TO STO THERM ESSENCE. PROVIDE COMPLETE SYSTEM FOR REPAIR AND INSTALLATION OF EIFS SYSTEM. PRODUCTS SHALL INCLUDE GLASSMAT GYPSUM SHEATHING (WHERE APPLICABLE), AIR-MOISTURE BARRIER, ADHESIVE, EPS INSULATION BOARD, MESH, BASECOAT, PRIMER AND FINISH COAT. PROVIDE EPS THICKNESS AS NECESSARY TO MATCH EXISTING THICKNESS, DETAIL, OR CONDITIONS. PROVIDE JOINT TREATMENTS, WATERPROOFING COATING AND TRANSITION DETAIL COMPONENTS. HIGH IMPACT MESH SHALL BE USED WITHIN 24 INCHES OF GRADE. MATCH EXISTING EIFS WALL FINISH. INCLUDE ALL COMPONENTS FOR A COMPLETE SYSTEM INCLUDING STARTER TRACKS, AND CORNER BEADS. MIX IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. PREPARE SURFACE ELIMINATING ANY UNSUITABLE CONDITIONS. REPAIR DAMAGES IN SUBSTRATE THAT WILL AFFECT THE INSTALLATION OF THE NEW PRODUCT. USE INSTALLATION METHOD FOR REPAIRS AND NEW INSTALLATIONS AS RECOMMENDED BY PRODUCT MANUFACTURER. APPLY NEW FINISH COAT TO EXISTING EIFS FINISH MANUFACTURERS RECOMMENDATIONS FOR PREPARATION AND INSTALLATION. ALL EXISTING EIFS SHALL RECEIVE A NEW FINISH COAT TO MATCH NEW PRODUCT.

#### DIVISION 8: DOORS AND WINDOWS:

UPPER STORY MINDOMS SHALL BE ALUMINUM CLAD MOOD MINDOMS UNLESS NOTED OTHERWISE NOTED. STYLE AS INDICATED ON DRAMINGS. MOOD SPECIES SHALL BE PINE FOR BOTH INTERIOR AND EXTERIOR. UNITS SHALL BE FACTORY PRIMED ON INTERIOR AND COLOR FOR EXTERIOR ALUMINUM CLADDING SHALL BE SELECTED FROM MANUFACTURER'S STANDARD COLORS. MANUFACTURER SHALL DETERMINE APPROPRIATE PRODUCT BASED ON SIZE, AND MINDLOAD REQUIREMENTS. SEE GLAZING FOR GLASS REQUIREMENTS. PRODUCTS SHALL BE EQUAL TO 'CLAD ULTIMATE NEXT GENERATION' BY MARVIN MINDOMS AND DOOR, 'EPIC' BY JELD-MEN. 'ARCHITECT SERIES TRADITIONAL' BY PELLA, OR AN ALL-ALUMINUM MINDOM EQUAL TO EFCO 6740. UNITS ARE ALL FIXED SHALL HAVE THE APPEARANCE OF A DOUBLE HUNG WINDOM.

GLAZING: GLAZING FOR WINDOWS AND STOREFRONTS SHALL BE AS FOLLOWS:

SECOND FLOOR (AND 3RD FLOOR) NEW GLASS SHALL BE MIN 11/16" INSULATING LOW E GLASS WITH ARGON. ACCEPTABLE GLAZING INCLUDES; LOW E 366 ON 2ND SURFACE, 3RD SURFACE OR 2ND AND 3RD SURFACE BASED ON MANUFACTURER'S STANDARD PROCEDURES. PROVIDE SAFETY GLASS WHERE REQUIRED BY CODE.

TESTING OF STOREFRONT AND WINDOWS: STOREFRONT SHALL BE FIELD CHECKED IN ACCORDANCE WITH AAMA 501.2 WITH GARDEN HOSE, BRASS NOZZLE AND PRESSURE GAUGE TO ENSURE THERE IS NO WATER LEAKAGE. WINDOWS SHALL BE FIELD CHECKED SIMILARLY TO ENSURE THERE IS NO WATER LEAKAGE.

#### DIVISION 9 - FINISHES:

FURRING AND LIGHT GAUGE FRAMING: NON-LOAD-BEARING STEEL FRAMING AND FURRING SHALL BE G60, HOT-DIP GALVANIZED STEEL STUDS, RUNNERS, FURRING/HAT CHANNELS AS NECESSARY TO SUIT APPLICATION. STUDS AND RUNNERS SHALL BE MINIMUM 20-GAUGE, 16 GAUGE WHERE FORMING HEADERS AT OPENINGS. FURRING/ HAT CHANNELS SHALL BE OF GAUGE TO SUIT SPAN APPLICATIONS. PRODUCTS MANUFACTURED BY CLARK DIETRICH BUILDING SYSTEMS OR EQUAL ARE ACCEPTABLE.

PAINT: PAINT SHALL BE EQUAL TO SHERWIN WILLIAMS COMMERCIAL GRADE LOW VOC PAINTS UNLESS NOTED OTHERWISE. (3) COATS. PRIMER (ON BARE MATERIALS) WITH (2) FINISH COATS. PREP ALL EXISTING SURFACES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION AND LEAD SAFE RENOVATORS PRACTICES. PRODUCT LISTINGS ARE BASED ON SHERWIN WILLIAMS UNLESS NOTED OTHERWISE.

EXTERIOR STEEL: EXTERIOR ACRYLIC, PRO INDUSTRIAL DTM ACRYLIC DEMIGODS B66 SERIES.

EXTERIOR MASONRY OR STUCCO: ELASTOMERIC COATING - BASF MASTERPROTECT EL750 -OR- LOXON XP PRIMER (FOR BARE MATERIALS) AND CONFLEX ELASTOMERIC.

EXTERIOR WOOD: EXTERIOR OIL BASED WOOD PRIMER AND ACRYLIC COATING EQUAL TO 'DURATION'.

EXISTING FIRE ESCAPE: MACROPOXY B58 SERIES PRIMER AND ACROLON 218 B65 SERIES.

NOTE: ADDITIONAL PREP REQUIRED WITH POWER TOOL (SSPC-SP3) AND HAND TOOL PREP (SSPC-SP2)

PAINT SCHEDULE:

#### .....

ALLOW FOR (4) FOUR DIFFERENT PAINT COLORS

JOINT FILLERS: PROVIDE JOINT FILLERS AND SEALANTS APPROPRIATE FOR USE AND LOCATION, AS MANUFACTURED BY BASF, PECORA OR EQUAL.

#### DIVISION 10 - SPECIALTIES:

SIGNAGE: SIGN PANELS SHALL BE CONSTRUCTED OF .060 ALUMINUM FACE SHEETS, PAINTED AND WITH VINYL GRAPHICS AS SHOWN. WHERE INDICATED, WRAP FACE SHEET AROUND ALUMINUM TUBULAR FRAME. PROVIDE DIMENSIONAL PLASTIC LETTERING WHERE INDICATED. ANCHOR SIGN TO BUILDING USING EXPOSED ANCHORS PAINTED TO MATCH SIGN BODY. DIMENSIONAL LETTERS SHALL BE MANUFACTURED BY GEMINI OR EQUAL. LASER CUT ACRYLIC, FORMED OR INJECTION MOLDED AS INDICATED. CAULK ALL EDGES OF SIGN THAT ARE IN CONTACT WITH THE BUILDING, SIGN PERMITS BY SIGN CONTRACTOR. PERMIT COSTS BY OWNER. ALL ARTWORK SHALL BE PREPARED BY SIGN CONTRACTOR. ALL TRADEMARK OR COPYRIGHTED GRAPHICS SHALL BE PROVIDED AS VECTOR IMAGE BY BUILDING OWNERS TO THE SIGN COMPANY. PROVIDE 1 YEAR WARRANTY.

FABRIC AMNING/CANOPIES: FRAME SECTIONS SHALL BE DESIGNED BY AN ENGINEER LICENSED IN THE STATE OF MI, SUBMIT SHOP DRAWING BEARING ENGINEERS SEAL. CANOPY SHALL MEET WIND LOAD REQUIREMENTS ACCORDING TO THE MICHIGAN BUILDING CODE.

AMNING FRAMES SHALL BE CONSTRUCTED OF MINIMUM 6063-T5 ALUMINUM, FINISHED MITH POMDER COAT, KYNAR OR MILL FINISH AS SELECTED DURING THE SHOP DRAWING PHASE. FRAMES SHALL BE SHOP MIG OR TIG WELDED IN THE MANUFACTURER'S FACILITY. COVERING SHALL BE EQUAL TO MAYFIELD COLLECTION AS MANUFACTURED BY SUNBRELLA CORPORATION, UV RESISTANT FABRICS. FABRIC SHALL HAVE A MINIMUM 10-YEAR WARRANTEE. ATTACH COVERING BY MEANS OF LACING CORD AND GROMMET, OR MECHANICALLY SCREMED. PROVIDE ACCESSORIES AS NECESSARY FOR A COMPLETE INSTALLATION.

#### BIRD CONTROL DEVICES:

CONTROL DEVICES SHALL BE STAINLESS STEEL, FULL ROW SPIKE DESIGN, 4" HIGH X 4" WIDE. MINIMUM 120 WIRE POINTS PER FOOT, FULL 180-DEGREE WIRE COVERAGE. PRODUCT SHALL BE EQUAL TO PREMIUM MODEL S MANUFACTURED BY NIXALITE. PROVIDE ALL MOUNTING HARDWARE AND ACCESSORIES FOR A COMPLETE SYSTEM.

#### DIVISION 26 - ELECTRICAL:

REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL SPECIFICATIONS.

# 1126 architects

9100 Lapeer Rd. Suite B Davison, MI 48423 (810) 412-5640 www.h2aarchitects.net

#### SUBMITTAL SUMMARY 01 33 01

	RAM: <sup>7</sup> . Main Street - RE-BID				<u>s</u>
DIVISIOI	N AND NAME	PRODUCT DATA	SHOP DRAWING	SAMPLE	CERTIFICATE OF COMPLIANCE IS
4	STUCCO REPAIR PRODUCTS	Y	.,	Y	X
5	METAL REMEDIATION PRODUCTS - if applicable	Υ			Х
	SYNTHETIC WOOD PRODUCTS	Υ		Υ	Х
6	ISTATILETIC WOOD PRODUCTS	'		_	
7	AIR AND WEATHER BARRIER	Y			Х
7	AIR AND WEATHER BARRIER	Υ			X*
7	AIR AND WEATHER BARRIER EIFS	Y	Υ	Υ	X*
7 7 8	AIR AND WEATHER BARRIER EIFS FLASHING	Y	Υ	Y	X X *X
7 7 8 8	AIR AND WEATHER BARRIER EIFS FLASHING CLAD WOOD WINDOWS	Y Y Y	Υ	<del>⊢</del>	X* X X* X*
7 7 8 8 9	AIR AND WEATHER BARRIER EIFS FLASHING CLAD WOOD WINDOWS GLAZING	Y Y Y Y	Υ	Y	X* X* X* X*
7 7 8 8 9	AIR AND WEATHER BARRIER EIFS FLASHING CLAD WOOD WINDOWS GLAZING PAINTING AND COATING	Y Y Y Y Y		Y	X* X* X* X* X*
7 7 8 8 9 9	AIR AND WEATHER BARRIER  EIFS  FLASHING  CLAD WOOD WINDOWS  GLAZING  PAINTING AND COATING  SIGNAGE	Y Y Y Y Y Y	Υ	Y	X* X* X* X* X* X*
7 7 8 8 9 9 10	AIR AND WEATHER BARRIER  EIFS  FLASHING  CLAD WOOD WINDOWS  GLAZING  PAINTING AND COATING  SIGNAGE  AWNINGS	Y Y Y Y Y Y	Υ	Y	X X* X* X* X* X* X*

taken. Submittal documents will be for project records only.

'X'\* Color samples must still be submitted for action on color selections.

NO.	DESCRIPTION	DATE
6		
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3	RE-BID	9-6-18
2	ISSUED FOR BIDS	6-1-18
1	ISSUED FOR MEDC REVIEW	5-25-18

2018 FACADE PROJECT

# CDBG PROGRAM 114 W MAIN STREET

ONOSSO, MI

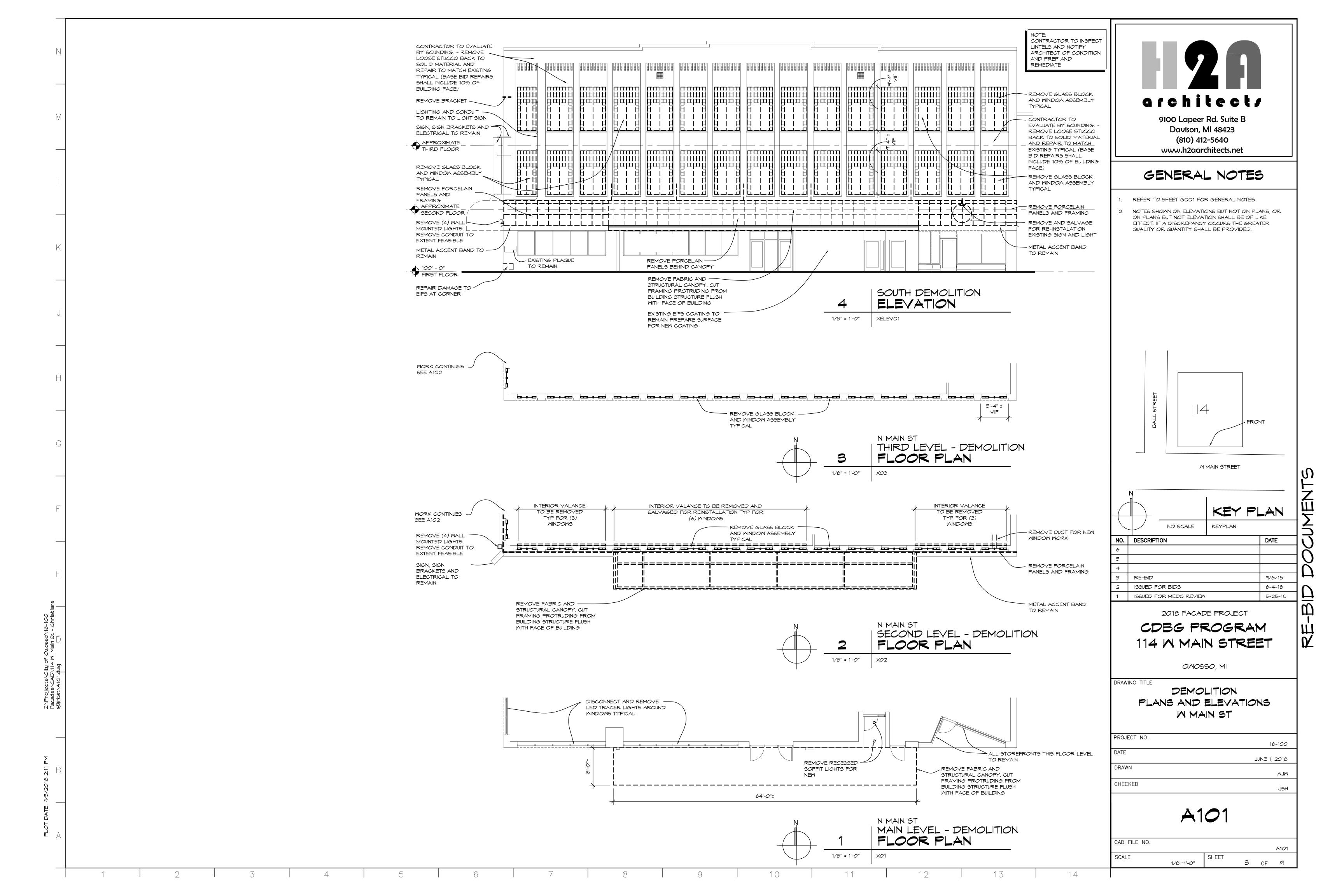
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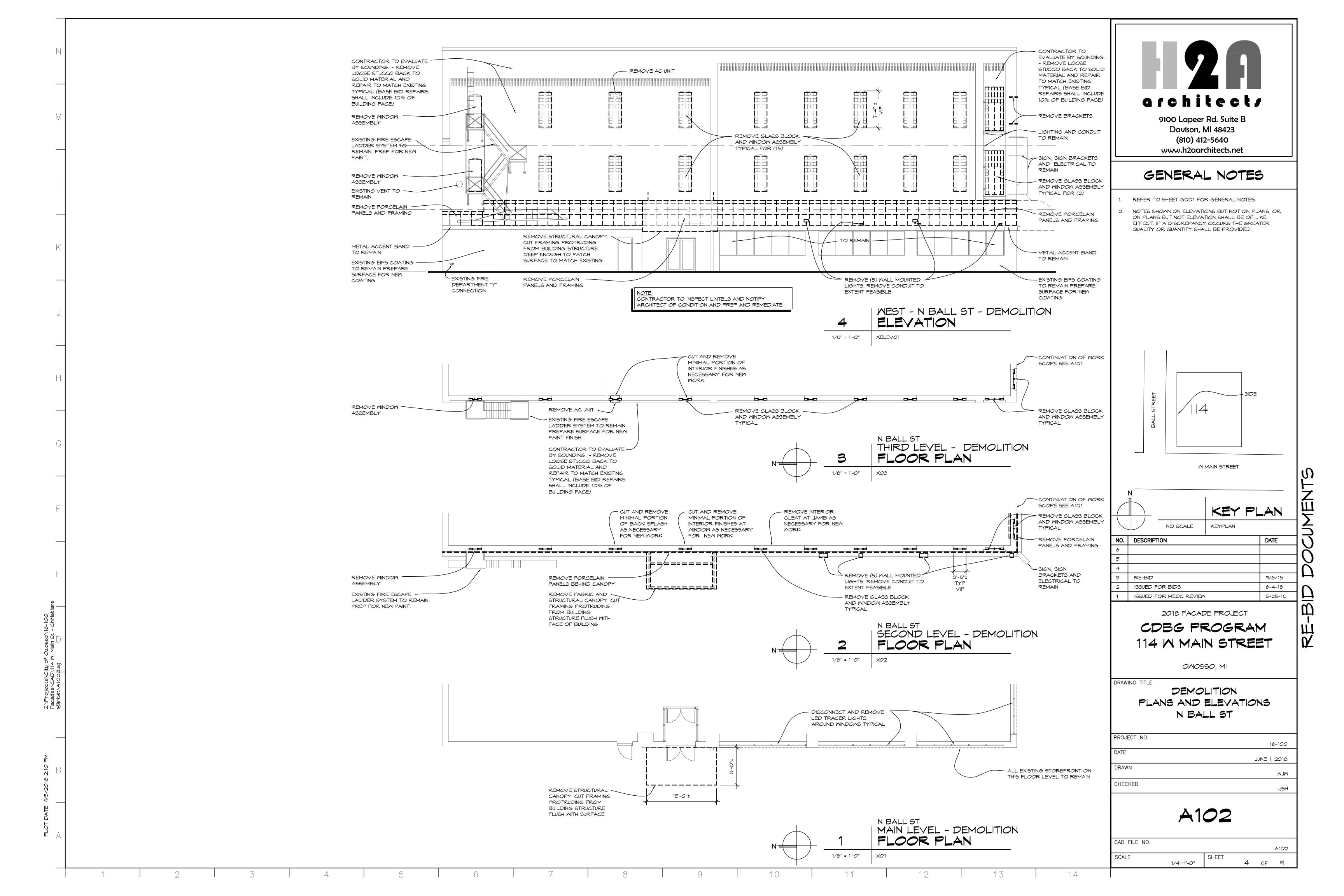
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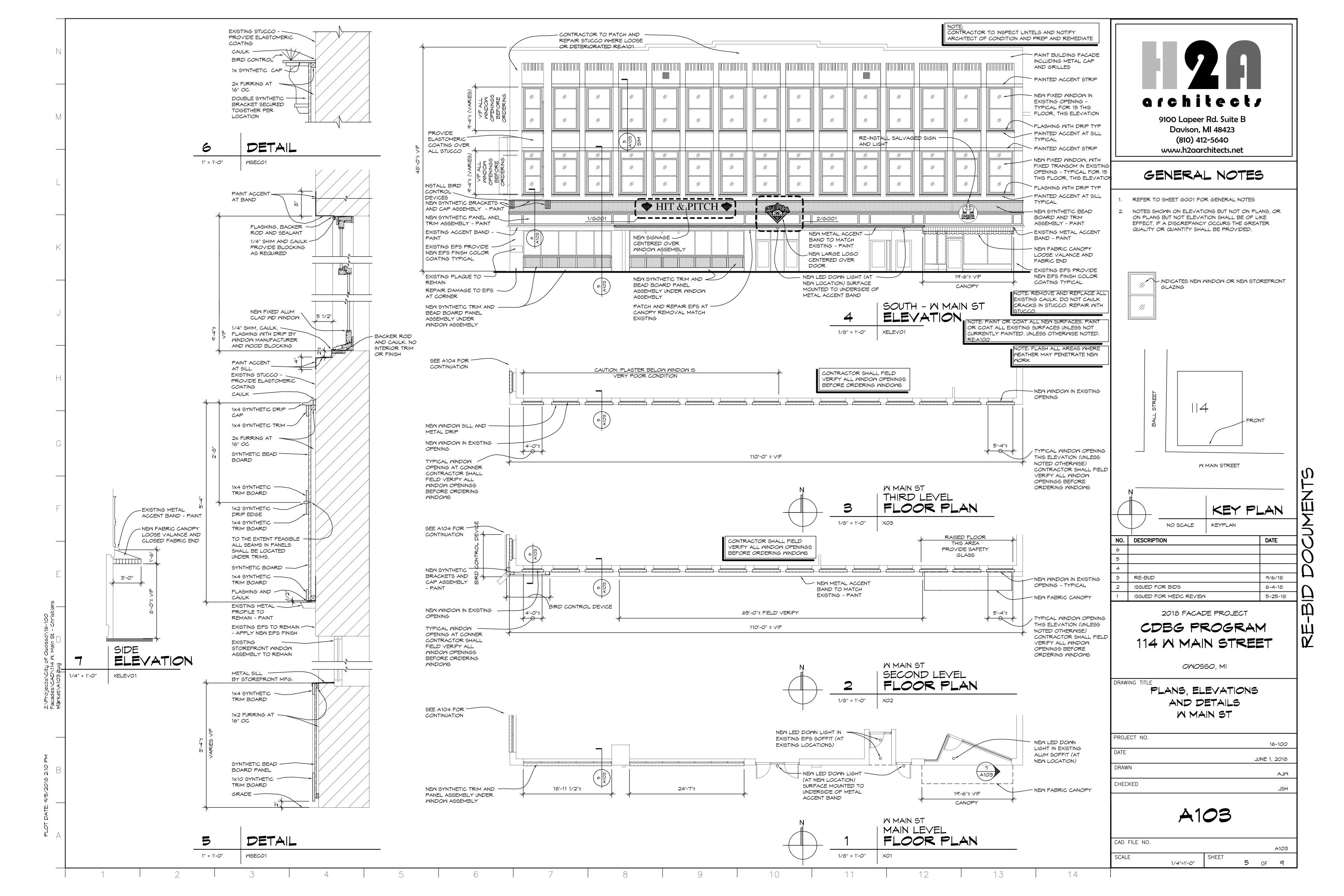
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	16-100
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	JUNE 1, 2018
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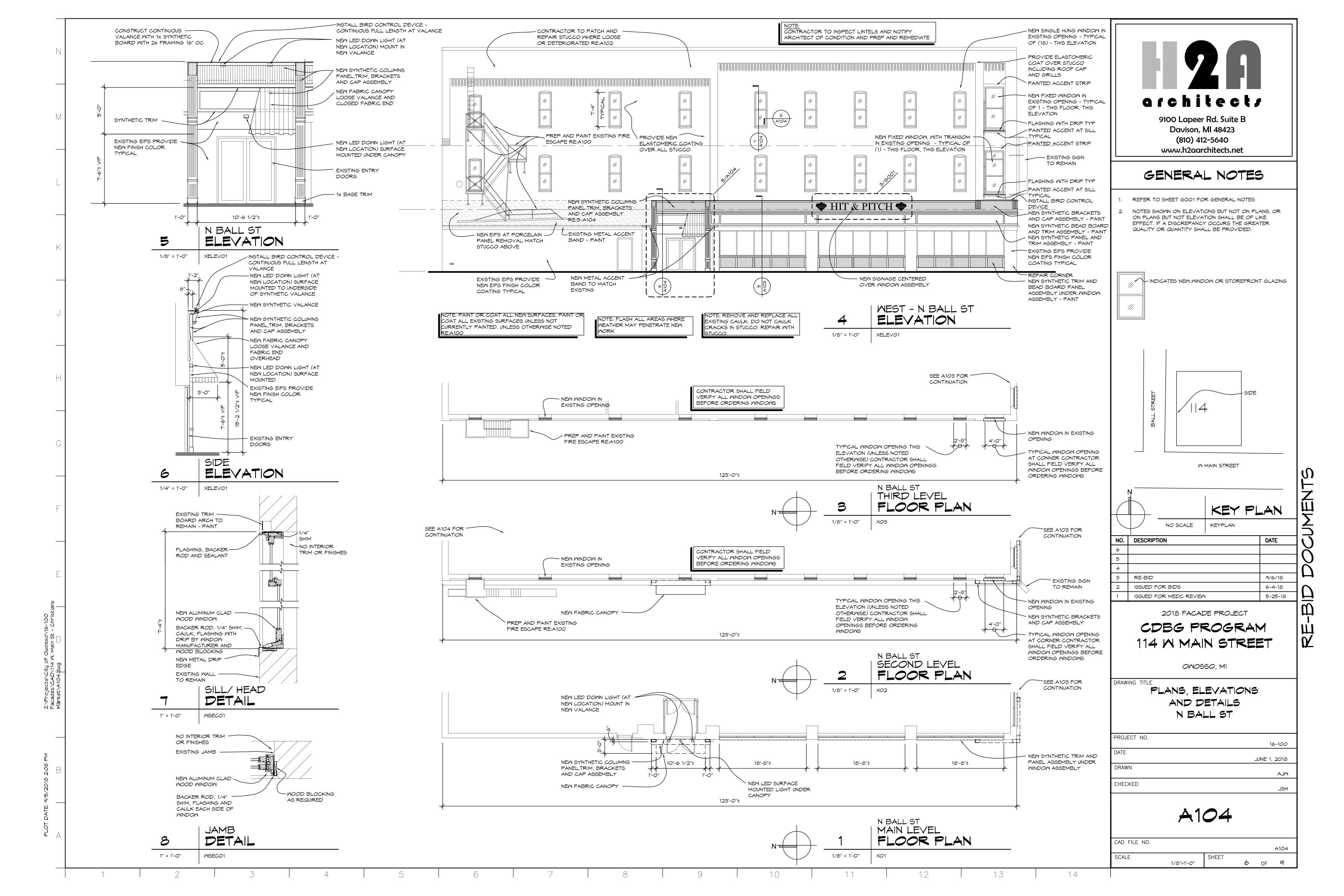
# A100

CAD FILE NO.					A100
SCALE	1/4"=1'-0"	SHEET	2	OF	9









# ELECTRICAL NOTES

- 1. ELECTRICAL WORK SHALL COMPLY WITH LATEST
  NATIONAL ELECTRICAL CODE, LIFE SAFETY CODE AND
  APPLICABLE STATE AND LOCAL CODES AND
  ORDINANCES
- 2. ELECTRICAL EQUIPMENT AND WIRING SHALL BE NEW AND SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR, UNLESS OTHERWISE NOTED.
- NEW MIRES SHALL BE TYPE THHN. MINIMUM SIZE SHALL BE #12 AWG, UNLESS OTHERWISE NOTED.
- RECEPTACLE CIRCUITS SHALL HAVE A DEDICATED GROUND AND DEDICATED NEUTRAL.
- FINAL CONNECTIONS TO EQUIPMENT, FURNISHED AND INSTALLED BY OTHERS, SHALL BE PROVIDED BY THIS CONTRACTOR.
- VERIFY LOCATION OF LIGHTING FIXTURES, OUTLETS ETC, WITH DESIGN PROFESSIONAL PRIOR TO ROUGH-IN.
- VERIFY AND COORDINATE WITH ARCHITECTURAL
  DRAWINGS EXACT LOCATION AND MOUNTING HEIGHTS
  OF NEW LIGHT FIXTURES.
- PROVIDE A TYPEWRITTEN DIRECTORY IN THE PANEL DOOR, ACCURATELY INDICATING ROOMS AND EQUIPMENT BEING SERVED. CONTRACTOR SHOULD MAKE EVERY ATTEMPT TO IDENTIFY ALL CIRCUITS.

# architects

9100 Lapeer Rd. Suite B Davison, MI 48423 (810) 412-5640 www.h2aarchitects.net

#### GENERAL NOTES

- . REFER TO SHEET GOO1 FOR GENERAL NOTES
- NOTES SHOWN ON ELEVATIONS BUT NOT ON PLANS, OR ON PLANS BUT NOT ELEVATION SHALL BE OF LIKE EFFECT. IF A DISCREPANCY OCCURS THE GREATER QUALITY OR QUANTITY SHALL BE PROVIDED.

# DEMOLITION (\*) ELECTRICAL KEYED NOTES

- 1. DISCONNECT AND REMOVE EXISTING CEILING MOUNTED FIXTURE, RETAIN CIRCUIT FOR NEW FIXTURE. REFER TO NEW WORK PLANS.
- 2. DISCONNECT AND REMOVE EXISTING A/C UNIT, REMOVE RECEPTACLE CONDUIT AND WIRING COMPLETE BACK TO SOURCE.
- 3. NOT USED
- 4. NOT USED
- DISCONNECT AND REMOVE EXISTING LED TRACER LIGHTS. REMOVE WIRING AND CONDUIT BACK TO SOURCE, RETAIN CIRCUIT FOR NEW LED LINEAR LIGHTING. REFER TO NEW WORK PLANS.

NO.	DESCRIPTION	DATE
6		
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3	RE-BID	9/6/18
2	ISSUED FOR BIDS	6-4-18
1	ISSUED FOR MEDC REVIEW	5-25-18

2018 FACADE PROJECT

# CDBG PROGRAM 114 W MAIN STREET

ONOSSO, MI

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ELECTRICAL DEMOLITION

N. BALL STREET AND W. MAIN ST

PROJECT NO.	
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## FSA ENGINEERING LLC

3449 Breze Point Ct LINDEN, MICHIGAN 48451 810-394-1379

www.fsa-engineering.com fabdallh@fsa-engineering.com

# ELECTRICAL NOTES

ELECTRICAL WORK SHALL COMPLY WITH LATEST NATIONAL ELECTRICAL CODE, LIFE SAFETY CODE AND APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.

ELECTRICAL EQUIPMENT AND WIRING SHALL BE NEW AND SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR, UNLESS OTHERWISE NOTED.

NEW WIRES SHALL BE TYPE THHN. MINIMUM SIZE SHALL BE #12 AMG, UNLESS OTHERWISE NOTED.

RECEPTACLE CIRCUITS SHALL HAVE A DEDICATED GROUND AND DEDICATED NEUTRAL.

FINAL CONNECTIONS TO EQUIPMENT, FURNISHED AND INSTALLED BY OTHERS, SHALL BE PROVIDED BY THIS CONTRACTOR.

VERIFY LOCATION OF LIGHTING FIXTURES, OUTLETS ETC., WITH DESIGN PROFESSIONAL PRIOR TO ROUGH-IN.

VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS EXACT LOCATION AND MOUNTING HEIGHTS OF NEW LIGHT FIXTURES.

PROVIDE A TYPEWRITTEN DIRECTORY IN THE PANEL DOOR, ACCURATELY INDICATING ROOMS AND EQUIPMENT BEING SERVED. CONTRACTOR SHOULD MAKE EVERY ATTEMPT TO IDENTIFY ALL CIRCUITS.



9100 Lapeer Rd. Suite B Davison, MI 48423 (810) 412-5640 www.h2aarchitects.net

# GENERAL NOTES

- REFER TO SHEET GOO1 FOR GENERAL NOTES
- 2. WORK SHOWN ON PLANS BUT NOT NOTED, OR NOTED BUT NOT SHOWN ON PLANS SHALL BE OF LIKE EFFECT. IF A DISCREPANCY OCCURS THE GREATER QUALITY OR QUANTITY SHALL BE PROVIDED.

# ELECTRICAL KEYED NOTES

- PROVIDE NEW RECESSED LED DOWNLIGHT AT NEW LOCATION AS DESCRIBED. CONNECT TO CIRCUIT AND CONTROL FROM NEARBY CANOPY CIRCUIT. 5-5/8" ROUND, 3-1/4" DEEP, 1066 LUMENS, 4000K. 85 CRI. NEW FIXTURES SHALL BE: BEGA CAT# 55926 12.7M LED. COLOR BY ARCHITECT
- PROVIDE NEW SURFACE LED FIXTURES AT NEW LOCATION AS DESCRIBED. RUN NEW CIRCUIT 2#12\$1#12GND 3/4" FROM CLOSEST PANEL, PROVIDE PHOTOCELL AT BUILDING WALL. 3-3/4" ROUND, 3-1/2" DEEP, 553 LUMENS, 4000K. 85 CRI. NEW FIXTURES SHALL BE: BEGA CAT# 66973 4.9M LED. COLOR BY ARCHITECT.
- 3. PROVIDE NEW RECESSED LED DOWNLIGHT AT EXISTING LOCATION AS DESCRIBED. CONNECT TO EXISTING CIRCUIT AND CONTROL. 5-5/8" ROUND, 3-1/4" DEEP, 1066 LUMENS, 4000K. 85 CRI. NEW FIXTURES SHALL BE: BEGA CAT# 55926 12.7W LED. COLOR BY ARCHITECT
- 4. NEW SIGNAGE, EC TO PROVIDE DEDICATED 120V 20A CIRCUIT FOR EACH SIGN LOCATION. PROVIDE CIRCUIT FROM TENANT PANEL, UPDATE PANEL SCHEDULE.

NO.	DESCRIPTION	DATE
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3	RE-BID	9/6/18
2	ISSUED FOR BIDS	6-4-18
1	ISSUED FOR MEDC REVIEW	5-25-18

2018 FACADE PROJECT

# CDBG PROGRAM 114 M MAIN STREET

ONOSSO, MI

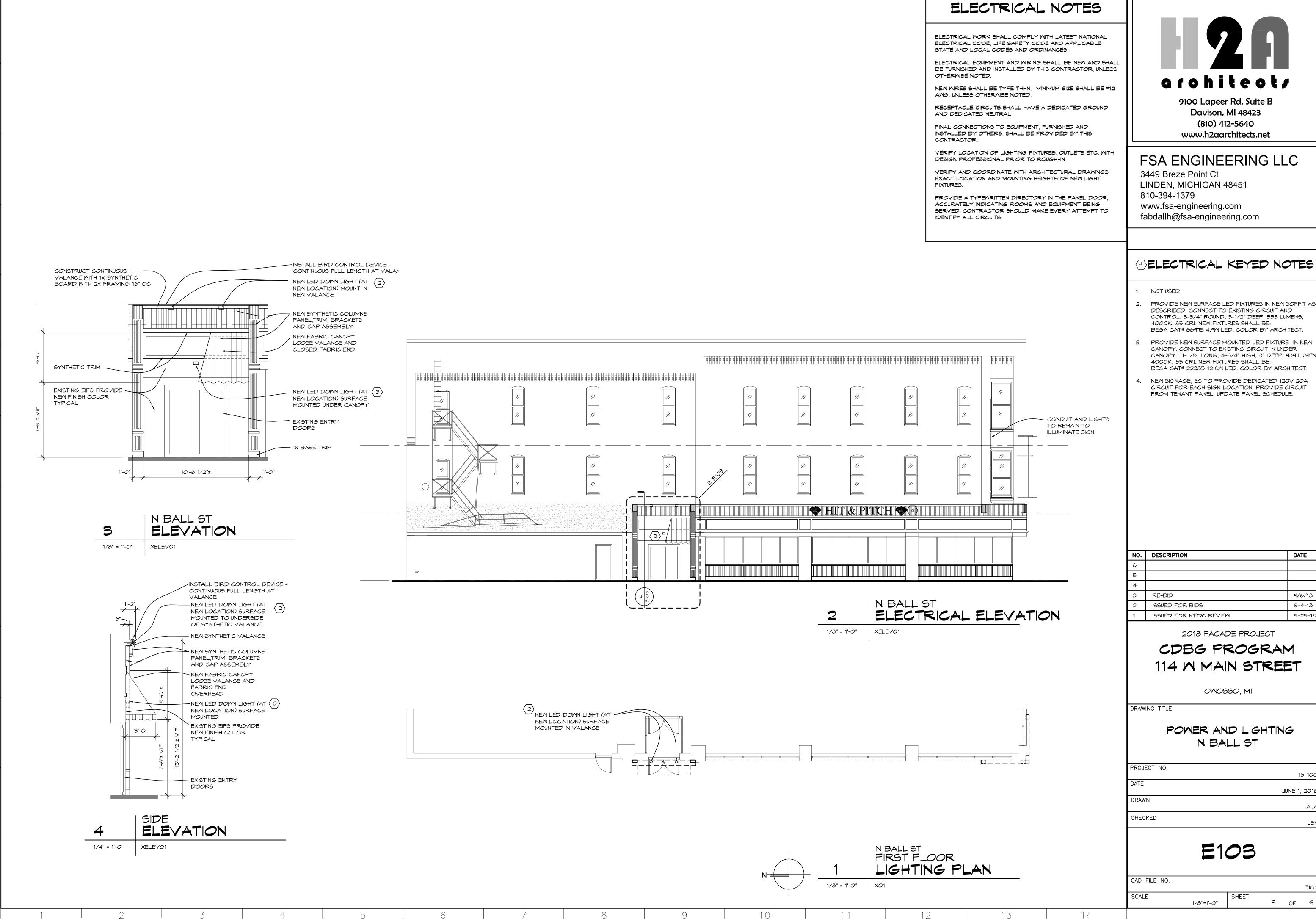
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#### POWER AND LIGHTING M MAIN ST

PROJECT NO.	
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# E102

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architect,

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www.h2aarchitects.net

## FSA ENGINEERING LLC

3449 Breze Point Ct LINDEN, MICHIGAN 48451 810-394-1379

www.fsa-engineering.com fabdallh@fsa-engineering.com

- NOT USED
- PROVIDE NEW SURFACE LED FIXTURES IN NEW SOFFIT AS DESCRIBED. CONNECT TO EXISTING CIRCUIT AND CONTROL. 3-3/4" ROUND, 3-1/2" DEEP, 553 LUMENS, 4000K. 85 CRI. NEW FIXTURES SHALL BE: BEGA CAT# 66973 4.9M LED. COLOR BY ARCHITECT.
- PROVIDE NEW SURFACE MOUNTED LED FIXTURE IN NEW CANOPY. CONNECT TO EXISTING CIRCUIT IN UNDER CANOPY. 11-7/8" LONG, 4-3/4" HIGH, 3" DEEP, 939 LUMENS, 4000K. 85 CRI. NEW FIXTURES SHALL BE: BEGA CAT# 22385 12.6W LED. COLOR BY ARCHITECT.
- NEW SIGNAGE, EC TO PROVIDE DEDICATED 120V 20A CIRCUIT FOR EACH SIGN LOCATION. PROVIDE CIRCUIT FROM TENANT PANEL, UPDATE PANEL SCHEDULE.

NO.	DESCRIPTION	DATE		
6				
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4				
3	RE-BID	9/6/18		
2	ISSUED FOR BIDS	6-4-18		
1	ISSUED FOR MEDC REVIEW	5-25-18		

2018 FACADE PROJECT

# CDBG PROGRAM 114 M MAIN STREET

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#### POWER AND LIGHTING N BALL ST

PROJECT NO.	
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