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USA NIAGARA DEVELOPMENT CORPORATION

POPLI DESIGN GROUP
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441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

ISSUED FOR: **CONSTRUCTION DOCUMENTS**

SEPTEMBER 21, 2023

ARCHITECT & STRUCTURAL ENGINEER:

POPLI DESIGN GROUP
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BUFFALO, NEW YORK 14202
716-625-9200

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DRAWING NUMBER

G000

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GENERAL NOTES

1. WHERE DIMENSIONS ARE INDICATED, DIMENSIONS GOVERN OVER SCALE. ALL DIMENSIONS AND CONDITIONS SHOWN AND ASSUMED ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BY THE CONTRACTOR BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK. ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER. NO CHANGE IN DRAWINGS OR SPECIFICATIONS IS PERMISSIBLE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. NO WORK SHALL PROCEED UNTIL SUCH DISCREPANCY HAS BEEN RECTIFIED.

2. ALL WORK ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING TO REMAIN".

3. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.

4. THE CONTRACTOR SHALL DISCONNECT AND/OR REMOVE ANY EXISTING PLUMBING, ELECTRICAL FIXTURES, WIRE CONDUITS, OR OTHER WORK WHICH MIGHT INTERFERE WITH THE WORK OF THIS CONTRACT. AFTER NEW WORK IS COMPLETED, THE DISCONNECTED OR REMOVED ITEMS SHALL BE REINSTALLED BY THE CONTRACTOR AT THE SAME LOCATION OR AT NEW LOCATION AS DIRECTED BY OWNER. FURNISH ALL NECESSARY NEW MATERIALS/HARDWARE FOR COMPLETION OF WORK.

5. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED OR EXPOSED SURFACES DUE TO CONTRACT WORK. ALL NEWLY INSTALLED, PATCHED WORK AND ALL AFFECTED AREAS SHALL BE PAINTED. ALL PAINTING WORK SHALL BE PERFORMED TO COVER THE ENTIRE HORIZONTAL OR VERTICAL SURFACE TO THE CLOSEST CORNER IN ALL FOUR DIRECTIONS. COLOR TO MATCH EXISTING.

6. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW MATERIALS AT NO ADDITIONAL COST TO THE OWNER FOR THE FOLLOWING CONDITIONS:
   a) ANY EXISTING WORK THAT HAS BEEN REMOVED OR DAMAGED IN ORDER TO PERFORM THE CONTRACT WORK.
   b) TO FURNISH THE WORK OF THIS CONTRACT IN WORKMANLIKE MANNER.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.

8. THE CONTRACTOR SHALL INCLUDE ALL PREPARATORY AND ASSOCIATED SUPPLEMENTARY WORK TO PROVIDE A COMPLETE AND FINISHED INSTALLATION.

9. WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHMENT OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.

10. SIZE OF MASONRY UNITS AND WOOD MEMBERS ON PLANS, BUILDING ELEVATIONS AND SECTIONS ARE SHOWN AS NOMINAL SIZE.

11. DIMENSIONS ON PLANS ARE INDICATED FROM SURFACE TO SURFACE BETWEEN WALLS, PARTITIONS AND OTHER ITEMS EXCLUSIVE OF FINISHES.

12. PROVIDE GUARDS, RAILS, BARRICADES, FENCES, SIDEWALK SHEDS, CATCH PLATFORMS, DECKING, NIGHT LIGHTING, ETC., AS REQUIRED BY SECTION BC 3306 OF THE 2020 BUILDING CODE OF NEW YORK STATE AND AS REQUIRED TO PROVIDE ADEQUATE PROTECTION. ALSO, COMPLY WITH SECTION OF THE SPECIFICATION.

13. THE CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.

14. THE CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED ACCESS FROM ALL ADJACENT SPACES INTO THE EXISTING EGRESS STAIRS TO OUTSIDE OF THE BUILDING AT ALL TIMES.

15. WHERE INDICATED OR REQUIRED TO PERFORM THE WORK, PACK, PROTECT AND RELOCATE MISC. MATERIALS, FURNITURE, CABINETS, ETC. TO DESIGNATED LOCATIONS WITHIN THE BUILDING AND RETURN ITEMS UPON COMPLETION OF WORK OR WHEN DIRECTED BY THE OWNER.

16. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR REQUIRED INSPECTIONS, PERMIT(S), FEES, LICENSE AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.

17. THERE WILL BE NO CHANGE IN USE, EGRESS OR OCCUPANCY BECAUSE OF THE WORK OF THIS CONTRACT.

18. ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DOCUMENTS.

19. ALL MATERIALS WHICH ARE REGULATED BY THE PROVISIONS OF THE 2020 BUILDING CODE OF NEW YORK STATE SHALL COMPLY WITH SECTIONS 1506 AND 2103 OF THAT CODE.

20. THE WORK COMPLIES WITH THE REQUIREMENTS OF THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

21. ALL WOOD BLOCKING ON THE ROOF SHALL BE PRESERVATIVE TREATED.

EXISTING CODE DATA

GOVERNING BUILDING CODE:	2020 UNIFORM FIRE PREVENTION AND BUILDING CODE OF NEW YORK STATE
BUILDING OCCUPANCY:	ASSEMBLY A-2
BUILDING CLASSIFICATION TYPE:	III-B
ALTERATION LEVEL:	ALTERATION LEVEL-1

SITE SAFETY AND PROTECTION NOTES

1.PROVIDE SIDEWALK SHED OVER SIDEWALK AT PERIMETER OF BUILDING. PROTECT EXISTING TREES, UTILITY POLES AND ALL OTHER EXISTING SIDEWALK FIXTURES.

2.PROTECT ALL ON-SITE ABOVE AND BELOW GROUND UTILITIES.

3.SEE SITE SURVEY FOR EXISTING SITE CONDITIONS AND GRADES.

4.THE CONTRACTOR SHALL PROVIDE CONSTRUCTION FENCE AROUND ENTIRE PERIMETER OF WORK SITE.

5.THE CONTRACTOR SHALL MAINTAIN ACCESS TO STREET UTILITY COVERS.

6.THE CONTRACTOR SHALL LOCATE AND CONFIRM ALL UTILITY CONNECTIONS ASSOCIATED WITH THE BUILDING AND SITE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND OWNER.

7.ALL SCAFFOLDING TO BE PROTECTED BY TOE BOARDS, SCREENS, GUARDRAILS, STRONGMAN NETTING OR OTHER OSHA APPROVED SYSTEMS FOR FALLING OBJECT PROTECTION.

8.CLEARANCE BETWEEN SCAFFOLDS AND OVERHEAD UTILITY LINES SHALL BE PER OSHA 1926.451.

9. THE CONTRACTOR SHALL ENSURE UNINTERRUPTED UTILITIES AND SERVICES TO ADJACENT STRUCTURES DURING THE DURATION OF THE PROJECT.

10. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR PEDESTRIANS FROM DEBRIS AND FALLING OBJECTS ADJACENT TO THE PROJECT SITE FOR THE DURATION OF THE WORK.

11. WHERE ACCESS TO ADJACENT PROPERTY IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTIFICATION TO THE PROPERTY OWNER 60 DAYS PRIOR TO COMMENCEMENT OF WORK. IF NO RESPONSE IS RECEIVED, A SECOND NOTIFICATION SHALL BE MADE NO MORE THAN 45 CALENDAR DAYS, AND NOT LESS THAN 30 CALENDAR DAYS, PRIOR TO THE COMMENCEMENT OF WORK.

12. THE CONTRACTOR SHALL PROTECT ADJOINING PROPERITIES FROM DAMAGE DUE TO CONTRACTOR WORK FOR THE DURATION OF THE WORK.

SUMMARY OF WORK

THE WORK SHALL BE AS SHOWN AND CALLED FOR IN THE CONTRACT DOCUMENTS AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING GENERAL ITEMS OF WORK:

1. REPLACEMENT OF ROOFING.
2. MASONRY CHIMNEY REPAIRS.
3. STRUCTURAL REPAIRS .
4. TEMPORARILY DISCONNECT ROOFTOP CONDENSER UNIT, STORE IN SAFE LOCATION DURING CONSTRUCTION.
5. RECONNECT AND REINSTALL ROOFTOP CONDENSER UNIT ON RISER AT EXISTING LOCATION.

ROOFING NOTES

1.ROOFING SYSTEM SHALL COMPLY WITH MINIMUM UL CLASS 'C' EXTERNAL FIRE RESISTANCE RATING.

2.INSULATION FOR THIS PROJECT SHALL HAVE A MINIMUM R-VALUE OF R=30 WHEN TESTED IN ACCORDANCE WITH LTTR METHOD.

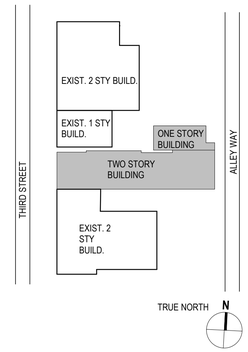
3.PAINTING WORK OF THE CONTRACT SHALL NOT BE STARTED UNTIL ALL ROOF WORK IS COMPLETED.

4.THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ROOFING AND PROPERTIES AT ALL TIMES DURING THE WORK OF THIS CONTRACT. THE CONTRACTOR SHALL PROTECT CUT PORTIONS OF THE ROOF. REMOVE TEMPORARY PROTECTION PRIOR TO INSTALLATION OF BASE SHEETS.

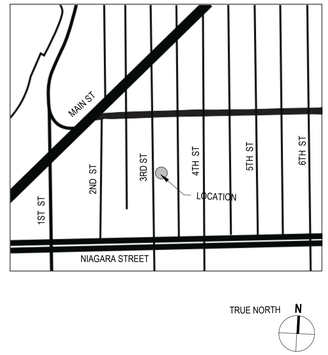
5.DURING ROOF REPLACEMENT COVER ALL ROOF EXHAUST, ETC. AND KEEP DOOR AND WINDOWS OF BULKHEADS CLOSED TO PREVENT BITUMINOUS FUMES ENTERING THE BUILDING.

6.ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DOCUMENTS.

SITE PLAN



LOCATION PLAN



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CERTIFICATE OF AUTHORIZATION 018110

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145 SEC. 7209 FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, PROFESSIONAL ENGINEER, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER, OR LAND SURVEYOR IS ALTERED; THE ALTERING ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM THEIR SEAL AND NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND DATE OF SUCH ALTERATIONS, AND A SPECIFIC DESCRIPTION OF SUCH ALTERATIONS.
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PENFIELD, NEW YORK

REGISTERED ARCHITECT
OLGA KISLYUK
041855
STATE OF NEW YORK

EXPIRATION: 2/29/2024

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	BY	DESCRIPTION

PROJECT
441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT
USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE
GENERAL NOTES, EXISTING CODE DATA, SITE SAFETY AND PROTECTION NOTES, SUMMARY OF WORK, ROOFING NOTES, SITE AND LOCATION PLAN

DRAWING NO.
G001

DRAWN BY	CP
CHECKED	MS
PROJ. MGR.	OK
PROJ. NO.	23036

ISSUE DATE
09/21/2023

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ASBESTOS CONTAINING MATERIALS ABATEMENT NOTES:

1. ANY DISTURBANCE OF ASBESTOS CONTAINING MATERIAL (ACM) SHALL BE CONDUCTED BY A NYSDOL LICENSED ASBESTOS ABATEMENT CONTRACTOR EMPLOYING CERTIFIED ASBESTOS WORKERS. ACM REQUIRING REMOVAL AS PART OF THIS PROJECT INCLUDES THE APPROXIMATELY 1,000 SF OF ASPHALT ROOF PERIMETER FLASHING TAR AND PATCHING TAR ASSOCIATED WITH PERIMETER ROOF FLASHING, TERRACOTTA COPING, ASPHALT COPING, MASONRY CHIMNEYS AND TRANSITIONS BETWEEN ASPHALT SHINGLE ROOF SYSTEMS TO SINGLE PLY ROOF SYSTEMS. THE CONTRACTOR SHALL REMOVE THE ACM ROOFING TAR IN ITS ENTIRETY DOWN TO THE SUBSTRATE FREE OF RESIDUE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE AND DETERMINING ALL QUANTITIES, MEASUREMENTS, AND ANY OTHER CONDITIONS RELATIVE TO THE ENTIRE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF THE ACTUAL QUANTITIES OF THE WORK PRIOR TO BIDDING. NO EXTRA COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCES BETWEEN ACTUAL CONDITIONS AND THOSE INDICATED ON THE DRAWINGS. IT IS THE OWNER'S INTENT TO REMOVE ALL ACM WHICH IS SCHEDULED TO BE DISTURBED.

3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, RULES AND REGULATIONS INCLUDING 12 NYCRR PART 56 (NYSDOL ASBESTOS), 40 CFR PART 61 (EPA NATIONAL EMISSION STANDARD FOR AIR POLLUTANTS) AND 29 CFR PART 1926.1101 (OSHA CONSTRUCTION – ASBESTOS).

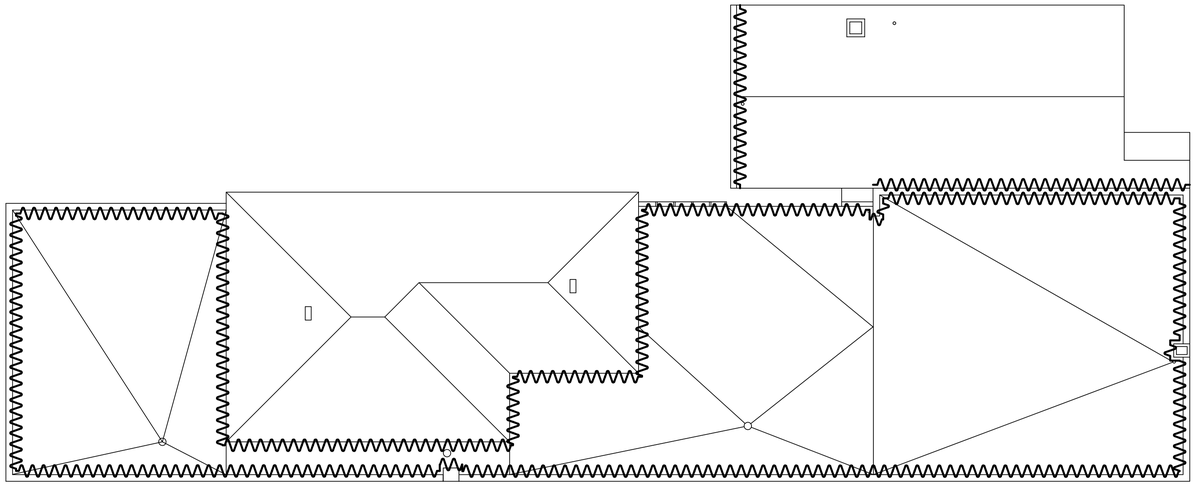
4. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, PERMITS, NOTIFICATIONS, ETC., NECESSARY TO PERFORM THE WORK REQUIRED FOR ASBESTOS ABATEMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

5. ALL DISPOSAL OF CONTRACT DERIVED WASTES SHALL BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES, RULES AND REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS REQUIRED AND THE COST OF DISPOSAL.

6. THE LOCATION OF ANY ONSITE STORAGE OF MATERIAL, DECONTAMINATION FACILITIES, AND DUMPSTER/WASTE TRAILER SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER.

7. SHOULD SUSPECT ACM BE IDENTIFIED WHICH ARE NOT IDENTIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONDUCTING ANY WORK THAT WOULD DISTURB THE SUSPECT ACM. IF DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL ARRANGE FOR SAMPLING AND ANALYSIS OF THE SUSPECT ACM AND WILL PROVIDE THE CONTRACTOR WITH THE RESULTS. THE CONTRACTOR SHALL NOT PERFORM SAMPLING WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

ACM TO BE REMOVED	QUANTITY:
ASPHALT FLASHING/PATCHING TAR	1,000 SF



ROOF PLAN

N

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SCALE IN FEET

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PENFIELD, NEW YORK

STATE OF NEW YORK
MARTIN J. WESOLOWSKI
NO. 071256
LICENSED PROFESSIONAL ENGINEER

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS			
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PROJECT
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CLIENT
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DRAWING TITLE
ASBESTOS ABATEMENT PLAN-ROOF

DRAWING NO.
HM101

DRAWN BY	A.K.
CHECKED	J.C.
PROJ. MGR.	S.F.
PROJ. NO.	23036

ISSUE DATE
09/21/2023

FILE PATH: V:\USAN\18-283-1342 - USA Niagara - ESA Due Diligence Reports\Design\441 THIRD STREET ROOF ACM

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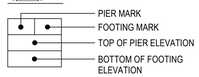
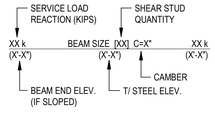
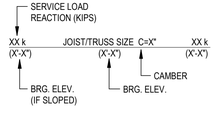
SYMBOLS

B1, B2...	BEAM MARK
BP1, BP2...	BEARING PLATE
C1, C2...	COLUMN MARK
F1, F2...	FOOTING MARK
GB1, GB2...	GRADE BEAM MARK
H1, H2...	HEADER MARK
L1, L2...	LINTEL MARK
P1, P2...	PIER MARK
SW1, SW2...	SHEAR WALL MARK
(SL)	INDICATES SLOPED MEMBER
(+X'-X")	INDICATES TOP OF STEEL
T/ XXX X'-X"	ELEVATION CALL OUT (PLAN)
XXX ELEV. X'-X"	ELEVATION CALL OUT (SECTION / DETAIL)
XXX	TYPE AND SPAN OF DECK, GRATING, SLAB...
	STEP/CHANGE IN ELEVATION
	SLOPE/CHANGE IN ELEVATION
	DATUM POINT
FD	FLOOR DRAIN
	DIRECTION OF SLOPE
[-X"]	SLAB DEPRESSION
	WALL DEPRESSION / DOOR THRESHOLD
	INDICATES SHEAR WALLS
—X—X—	WELDED WIRE REINFORCEMENT
S.J. OR I.J.	SLAB CONTROL JOINT
BRACE SIZE	BRACING
	JOIST BRIDGING
X'-X"	INDICATES BOTTOM OF FOOTING ELEVATION
	DECK OR SLAB OPENING
RTU-X XXX LB.	MECHANICAL UNIT (OUTLINE) AND OPERATING WEIGHT
RD	ROOF DRAIN AND FRAMING







ABBREVIATIONS

@	AT	FAB	FABRICATE	PAF	POWDER ACTUATED FASTENER
AB	ANCHOR BOLT	FD	FLOOR DRAIN, FOUNDATION DRAIN	PC	PRECAST
ACI	AMERICAN CONCRETE INSTITUTE	FF	FAR FACE	PCA	PORTLAND CEMENT ASSOCIATION
ADDL	ADDITIONAL	FFE	FINISHED FLOOR ELEVATION	PCF	POUNDS PER CUBIC FOOT
ADJ	ADJACENT, ADJUSTABLE	FIN	FINISH(ED)	PE	PROFESSIONAL ENGINEER
AESS	ARCHITECTURALLY-EXPOSED STRUCTURAL STEEL	FIXT	FIXTURE	PED	PEDESTAL
		FLG	FLANGE	PEN	PENETRATION
AFF	ABOVE FINISHED FLOOR	FLR	FLOOR	PERF	PERFORATED
AGG	AGGREGATE	FNDN	FOUNDATION	PERP	PERPENDICULAR
AHU	AIR HANDLING UNIT	FO	FACE OF	PL	PLATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FP	FULL PENETRATION, FIRE PROOFING	PLF	POUNDS PER LINEAR FOOT
		FRAM	FRAMING	PLUM	PLUMBING
AISI	AMERICAN IRON AND STEEL INSTITUTE	FRP	FIBERGLASS REINFORCED PLASTIC	PLYWD	PLYWOOD
ALT	ALTERNATE	FS	FAR SIDE	PR	PAIR
ALUM	ALUMINUM	FT	FOOT, FEET	PREFAB	PREFABRICATED
APA	AMERICAN PLYWOOD ASSOCIATION	FTG	FOOTING	PREFIN	PREFINISHED
APPROX	APPROXIMATELY			PRELIM	PRELIMINARY
ARCH	ARCHITECT, ARCHITECTURAL	GA	GAGE, GAUGE	PREP	PREPARE(D)
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	GAL	GALLON	PROJ	PROJECT
ASD	ALLOWABLE STRESS DESIGN	GALV	GALVANIZED	PS	PRE-STRESSED
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GB or GR BM	GRADE BEAM	PSF	POUNDS PER SQUARE FOOT
		GC	GENERAL CONTRACTOR	PSI	POUNDS PER SQUARE INCH
AWS	AMERICAN WELDING SOCIETY	GFRC	GLASS FIBER REINFORCED CONCRETE	PT	POINT, POST-TENSIONED, PRESSURE TREATED, PRE-TENSIONED
		GL	GLU-LAM		
B/ or BO	BOTTOM OF	GR	GRADE, GRIND	PVC	POLYVINYL CHLORIDE (PLASTIC)
BAL	BALANCE	GYP	GYPSUM		
BB	BACK-TO-BACK	GYP BD	GYPSUM BOARD	QTY	QUANTITY
BD	BOARD				
BF	BRACED FRAME	HAS	HEADED ANCHOR STUD	R	RISER, RADIUS
BG	BACKGOUGE	HC	HOLLOW CORE	RAD	RADIUS
BL	BRICK LEDGE	HD	HEAD(ED), HOLD DOWN, HOT DIPPED	RB	RECTANGULAR BEAM
BLDG	BUILDING	HDG or HD GALV	HOT DIPP(ED) GALVANIZED	RC	REINFORCED CONCRETE
BLKG	BLOCKING	HDW	HARDWARE	RD	ROOF DRAIN
BM	BEAM, BENCHMARK	HEF	HORIZONTAL EACH FACE	REC	RECESSED
BN	BOUNDARY NAIL	HIF	HORIZONTAL INSIDE FACE	RE or REF	REFER TO, REFERENCE
BOS	BOTTOM OF STEEL	HK	HOOK	REG(S)	REGULAR, REGULATION(S)
B or BOT	BOTTOM	HM	HOLLOW METAL	REINF	REINFORCE(ING)(D)(MENT)
BRG	BEARING	HOF	HORIZONTAL OUTSIDE FACE	REQD	REQUIRED
BRKT	BRACKET	HP	HIGH POINT	RET	RETURN, RETAINING
BSMT	BASEMENT	HS	HIGH STRENGTH	REV	REVISE(D)(ION)
BTWN	BETWEEN	HSS	HOLLOW STRUCTURAL SECTION	RH	RIGHT HAND
BW	BOTH WAYS	HORIZ	HORIZONTAL	RM	ROOM
		HT	HEIGHT	RO	ROUGH OPENING
CANT	CANTILEVER	HVAC	HEATING, VENTILATION & AIR CONDITIONING	RQMT(S)	REQUIREMENT(S)
CC	CENTER TO CENTER			RTU	ROOF TOP UNIT
CF	CUBIC FEET(FOOT), COLD-FORMED			RV	ROOF VENT
CFMF	COLD-FORMED METAL FRAMING	IBC	INTERNATIONAL BUILDING CODE		
CG	CENTER OF GRAVITY	IF	INSIDE FACE	S	SOUTH
CI	CAST IRON	ID	INSIDE DIAMETER	SC	SHEAR CONNECTOR, SLIP CRITICAL, SOLID CORE
CIP	CAST-IN-PLACE, CAST IRON PIPE	IN	INCH(ES)		
CJ	CONTROL JOINT	INCL	INCLUDE(D)	SCH or SCHED	SCHEDULE
CJP	COMPLETE JOINT PENETRATION	INT	INTERIOR, INTERMEDIATE	SECT	SECTION
CL	CENTERLINE	INFO	INFORMATION	SF	SQUARE FEET, SAFETY FACTOR
CLG	CEILING	INSP	INSPECT(OR)	SHT	SHEET
CLR	CLEAR	INV	INVERT	SHTG	SHEATHING
CMU	CONCRETE MASONRY UNIT			SIM	SIMILAR
CO	CLEANOUT	JST	JOIST	SJ	SAWCUT JOINT
COL	COLUMN	JT	JOINT	SLH	SHORT LEG HORIZONTAL
CONC	CONCRETE			SLRS	SEISMIC LOAD-RESISTING SYSTEM
CONN	CONNECTION	k	KIP	SLV	SHORT LEG VERTICAL
CONST	CONSTRUCTION	KIP	1,000 POUNDS	SOG	SLAB ON GRADE
CONT	CONTINUE, CONTINUOUS	KO	KNOCKOUT	SP	SPACE(S)
CONTR	CONTRACTOR			SPEC(S)	SPECIFICATION(S)
COORD	COORDINATE	L	ANGLE	SPT or SUPT	SUPPORT
CSK	COUNTERSUNK	L or LG	LONG, LENGTH	SQ	SQUARE
CTR	CENTER(ED)	LAM	LAMINATED	SS	STAINLESS STEEL
CY	CUBIC YARD	LB(S)	POUND(S)	STD	STANDARD
		LF	LINEAR FEET(FOOT)	STIFF	STIFFENER
d	PENNY	LH	LEFT HAND	STL	STEEL
db	BAR DIAMETER	LIN	LINEAR	STR	STRAIGHT, STRINGER
DBL	DOUBLE	LL	LIVE LOAD	STRUCT	STRUCTURAL
DCW	DEMAND CRITICAL WELD	LLH	LONG LEG HORIZONTAL	SUSP	SUSPENDED
DEG	DEGREE	LLO	LONG LEG OUT	SW	SHEARWALL
DEMO	DEMOLITION	LLV	LONG LEG VERT	SY	SQUARE YARD
DEP	DRPRESS(ION)	LOC(S)	LOCATION(S)	SYM	SYMMETRICAL
DIA or ∅	DIAMETER	LONG	LONGITUDINAL		
DIAG	DIAGONAL	LRFD	LOAD AND RESISTANCE FACTOR DESIGN	T	TOP, TREAD
DIM	DIMENSION	LSL	LAMINATED STRAND LUMBER	T&B	TOP AND BOTTOM
DIR	DIRECTION	LT	LIGHT	T&G	TONGUE AND GROOVE
DIV	DIVISION	LTWT	LIGHTWEIGHT	T/ or TO	TOP OF
DL	DEAD LOAD	LVL	LEVEL, LAMINATED VENEER LUMBER	TEMP	TEMPORARY, TEMPERATURE
DN	DOWN	LWC	LIGHTWEIGHT CONCRETE	THK	THICK(NESS)
DO	DITTO			THRD	THREAD(ED)
DP	DRILLED PIER, DEEP	MACH	MACHINE	TJ	TOOLED JOINT
DR	DOOR, DRIVE	MACH RM	MACHINE ROOM	TL	TOTAL LOAD
DS	DOWNSPOUT	MAINT	MAINTENANCE	TOC	TOP OF CONCRETE
DT	DOUBLE TEE	MAS	MASONRY	TOF	TOP OF FOOTING
DTL(S)	DETAIL(S)	MATL	MATERIAL	TOM	TOP OF MASONRY
DWG(S)	DRAWING(S)	MAX	MAXIMUM	TOS	TOP OF STEEL
DWL(S)	DOWEL(S)	MCJ	MASONRY CONTROL JOINT	TOW	TOP OF WALL
		ME	MATCH EXISTING	TRANS	TRANSVERSE
E	EAST	MECH	MECHANICAL	TYP	TYPICAL
E-W	EAST-WEST	MEP	MECHANICAL/ELECTRICAL/PLUMBING		
EA	EACH	MFG	MANUFACTURER	UC	UNDERCUT
EE	EACH END	MIN	MINIMUM	UGND	UNDERGROUND
EF	EACH FACE	MISC	MISCELLANEOUS	ULT	ULTIMATE
EJ	EXPANSION JOINT	ML	MICRO-LAM	UNEX	UNEXCAVATED
EJD	EXPANSION JOINT W/ DOWEL	MO	MASONRY OPENING	UNFIN	UNFINISHED
ELAS	ELASTOMERIC	MTD	MOUNTED	UNO	UNLESS NOTED OTHERWISE
ELEC	ELECTRIC(AL)	MTL	METAL	US	UNDERSIDE
ELEV	ELEVATION			UTIL	UTILITY
EMBED	EMBEDDED, EMBEDMENT	N	NORTH		
EN	EDGE NAIL	NF	NEAR FACE	VEF	VERTICAL EACH FACE
ENCL	ENCLOSURE	N-S	NORTH-SOUTH	VENT	VENTILATION
ENGR	ENGINEER	NIC	NOT IN CONTRACT	VERT	VERTICAL
EOD	EDGE OF DECK	NM	NON-METALLIC	VIF	VERTICAL INSIDE FACE, VERIFY IN FIELD
EOR	ENGINEER OF RECORD	NO or #	NUMBER	VOF	VERTICAL OUTSIDE FACE
EOS	EDGE OF SLAB	NOM	NOMINAL	VOL	VOLUME
EQ	EQUAL	NS	NON-SHRINK, NEAR SIDE	VR	VAPOR RETARDER
EQ SP	EQUALLY SPACED	NTS	NOT TO SCALE		
EQUIP	EQUIPMENT	NWC	NORMAL-WEIGHT CONCRETE	W	WEST
ES	EACH SIDE			W/	WITH
ETC	ET CETERA	OA	OVERALL	W/O	WITHOUT
ETR	EXISTING TO REMAIN	OF	OUTSIDE FACE	WD	WOOD
EW	EACH WAY	OAE	OR APPROVED EQUIVALENT	WF	WIDE FLANGE
EXIST	EXISTING	OC	ON CENTER	WP	WORK(ING) POINT, WATERPROOFING
EXC	EXCAVATION, EXCAVATE	OD	OUTSIDE DIAMETER	WT	WEIGHT, WATERTIGHT
EXP	EXPAND, EXPANSION	OH	OPPOSITE HAND, OVERHANG, OVERHEAD	WWF	WELDED WIRE FABRIC
EXT	EXTERIOR	O/O	OUT TO OUT	WWR	WELDED WIRE REINFORCEMENT
		OPNG	OPENING		
		OPP	OPPOSITE		
		OPT	OPTION(AL)		
		OTLN	OUTLINE		
		OVS	OVERSIZED		
		OZ	OUNCES		

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CERTIFICATE OF AUTHORIZATION 018110

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PENFIELD, NEW YORK

STATE OF NEW YORK
GREGORY M. POPLI
LICENSED PROFESSIONAL ENGINEER
094090

Registration Expires: 02/29/2024

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

PROJECT

441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT

USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE

STRUCTURAL SYMBOLS AND ABBREVIATIONS

DRAWING NO. S001

DRAWN BY	ALH
CHECKED	JMF
PROJ. MGR.	OK
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GENERAL STRUCTURAL NOTES

GENERAL NOTES

1. WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE BUILDING CODE OF NEW YORK STATE, THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) STANDARD SPECIFICATION, THE AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE, THE AMERICAN WELDING SOCIETY (AWS) CODE AND ALL APPLICABLE ASTM STANDARDS. IN CASES OF CONFLICT, THE MOST STRINGENT SHALL GOVERN.
2. VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB. REPORT DISCREPANCIES TO THE ARCHITECT / ENGINEER IMMEDIATELY. VERIFICATION OF EXISTING DIMENSIONS AND CONDITIONS SHALL BE DONE PRIOR TO THE PREPARATION OF SHOP DRAWINGS.
3. TYPICAL DETAILS SHALL APPLY TO ALL DRAWINGS AND SHALL BE USED EXCEPT WHERE OTHERWISE SHOWN OR NOTED.
4. ANY DEVIATION FROM, ADDITION TO, SUBSTITUTION FOR, OR MODIFICATIONS TO THE STRUCTURE SHOWN ON THESE DRAWINGS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR REVIEW.
5. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT WORKERS AND OTHER PERSONS DURING CONSTRUCTION.
6. THE STRUCTURAL DRAWINGS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS OR FIT OF MATERIALS.
7. PROVIDE TEMPORARY ERECTION SHORING AND BRACING OF ALL STRUCTURAL WORK AS REQUIRED FOR THE STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR VERIFICATION OF LOCATIONS AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, WASHES, REVEALS, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS.
9. REPRODUCTION OF ANY PORTION OF THE CONTRACT DRAWINGS SHALL NOT BE USED AS SHOP DRAWINGS OR ERECTION DRAWINGS AND IS A VIOLATION OF COPYRIGHT LAWS. ALL PLANS, NOTES, DETAILS, AND SECTIONS MUST BE REDRAWN AND COORDINATED WITH THE CONTRACT DRAWINGS. REPRODUCED CONTRACT DRAWINGS THAT ARE SUBMITTED WILL NOT BE REVIEWED.
10. THIS PROJECT REQUIRES STRUCTURAL TESTS AND SPECIAL INSPECTIONS AS DEFINED IN CHAPTER 17 OF THE 2020 BUILDING CODE OF NEW YORK STATE . IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE STATEMENT OF SPECIAL INSPECTIONS, SUBMIT ALL REQUIRED DOCUMENTATION, AND ALLOW THE OWNER'S TESTING AND INSPECTION AGENCY ACCESS TO PERFORM ALL REQUIRED TESTS AND INSPECTIONS. AS PART OF THIS PROGRAM, THE CONTRACTOR SHALL ALSO SUBMIT A COPY OF THEIR QUALITY CONTROL PROCEDURES AND CONTACT INFORMATION FOR ALL PERSONNEL RESPONSIBLE FOR EXECUTION OF SAME.

GENERAL DEMOLITION NOTES

1. DEMOLITION DRAWINGS HAVE BEEN DERIVED FROM INFORMATION OBTAINED DURING SITE VISITS AND ARE INTENDED TO PROVIDE A REASONABLE REPRESENTATION OF EXISTING CONDITIONS AND GENERAL INDICATION OF THE SCOPE OF WORK ONLY. CONTRACTOR IS RESPONSIBLE FOR BECOMING FAMILIAR WITH THE PROJECT SITE, EXISTING CONSTRUCTION AND EXTENT OF DEMOLITION WORK REQUIRED TO COMPLETE THE PROJECT.
2. REFER TO AND COORDINATE DEMOLITION WORK WITH WORK INDICATED ON OTHER DRAWINGS.
3. PERFORM AN INDEPENDENT ASSESSMENT OF EXISTING CONSTRUCTION AND CONDITIONS TO REACH AN INDEPENDENT CONCLUSION ON WORK NECESSARY TO ACCOMPLISH INTENDED RESULTS DESCRIBED ON THE DRAWINGS.
4. EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING ELECTRICAL AND COMMUNICATION CABLES.
5. DO NOT SCALE THE DRAWINGS. NOTIFY THE ENGINEER IF ADDITIONAL DIMENSIONING IS REQUIRED. UNLESS INDICATED OTHERWISE, DIMENSIONS SHOWN ARE ACTUAL.
6. CONTINUOUSLY MAINTAIN THE WORK AREA IN A CLEAN AND SAFE CONDITION. TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN PROTECTED ACCESS FOR OWNER, ITS EMPLOYEES AND PUBLIC USING FACILITIES AS DEMOLITION PROCEEDS.
7. PROVIDE AND MAINTAIN TEMPORARY PROTECTIVE MEASURES TO PREVENT DUST, DIRT, AND CONSTRUCTION DEBRIS FROM TRAVELLING OFFSITE THROUGHOUT THE DURATION OF THE PROJECT.
8. PROVIDE AND MAINTAIN TEMPORARY WEATHER PROTECTION FOR EXISTING STRUCTURES WHEN LEFT EXPOSED TO THE ELEMENTS AS A RESULT OF DEMOLITION WORK.
9. PROTECT ALL EXISTING ITEMS NOT SCHEDULED FOR DEMOLITION. REPAIR EXISTING CONSTRUCTION DISTURBED DURING CONSTRUCTION TO MATCH ADJACENT CONDITIONS.
10. OBTAIN AND PAY FOR ALL NECESSARY PERMITS ASSOCIATED WITH INDICATED WORK. SCHEDULE, MAKE ALL NECESSARY ARRANGEMENTS AND PAY FOR REQUIRED INSPECTIONS. SUBMIT REPORTS AND CERTIFICATES COVERING ALL TESTING AND INSPECTIONS.
11. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL, BUILDING/CONSTRUCTION CODES AND ORDINANCES. IN CASES OF CONFLICT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

WOOD FRAMING NOTES

1. WOOD CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL FOREST PRODUCTS ASSOCIATION'S (NFPA) NATIONAL DESIGN SPECIFICATIONS (NDS) AND CHAPTER 23 OF THE 2020 NYS BUILDING CODE.
2. UNLESS OTHERWISE INDICATED, WOOD FRAMING SHALL COMPLY WITH SECTION 2308 "CONVENTIONAL LIGHT-FRAME CONSTRUCTION" AND TABLE 2304.10.1 "FASTENING SCHEDULE" OF THE 2020 NYS BUILDING CODE. NAILS SHALL BE COMMON NAILS U.N.O.
3. MINIMUM DESIGN VALUES SHALL BE AS FOLLOWS (UNLESS NOTED OTHERWISE ON PLANS):

   DIMENSION LUMBER:
   #2 SOUTHERN YELLOW PINE
   Fb = 1,050 psi
   Fc = 1,500 ks
   Fv = 175 ksi
   E = 1,600 ksi

   WOOD-PRESERVATIVE-TREATED LUMBER:
   #2 SOUTHERN YELLOW PINE
   Fb = 1,050 psi
   Fc = 1,500 ksi
   Fv = 175 ksi
   E = 1,600 ksi

   LUMINATED VENEER LUMBER (LVL):
   Fb = 2600 psi
   Fc = 2,510 psi
   Fv = 285 psi
   E = 1,900 ksi

4. WOOD IN CONTACT WITH MASONRY, CONCRETE OR EARTH, OR WITHIN 1'-0" OF GRADE OR EXPOSED TO THE EXTERIOR SHALL BE PRESSURE PRESERVATIVE TREATED.
5. REFER TO THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL WOOD FRAMING MEMBERS AND PROVIDE SUCH MEMBERS EVEN THOUGH NOT SHOWN ON THE STRUCTURAL DRAWINGS.
6. PROVIDE SOLID BLOCKING AT ALL JOISTS BEARING LOCATIONS OVER WALLS, BEAMS, STRINGERS OR HEADERS. BLOCKING SHALL BE SAME DEPTH AS JOIST. LAP OPPOSING JOISTS 3" MINIMUM OVER SUPPORTS.
7. PROVIDE ALL CONNECTION DETAILS FOR REVIEW PRIOR TO CONSTRUCTION. SUBMIT ENGINEERING DATA FOR CONNECTORS NOT SHOWN IN THE DRAWINGS.
8. FRAMING ANCHORS AND MISCELLANEOUS METAL DEVICES FOR ALL FRAMING SHALL BE GALVANIZED STEEL OF AT LEAST 16 GAUGE THICKNESS (G90 FOR INTERIOR APPLICATION, G185 FOR STAINLESS STEEL FOR EXTERIOR). INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. USE FASTENERS AND FASTENING METHODS RECOMMENDED BY THE MANUFACTURER.
9. BUILT-UP FRAMING MEMBERS SHALL BE FASTENED IN ACCORDANCE WITH NDS STANDARDS.
10. NOTCHES, COPES, AND HOLES IN WOOD MEMBERS ARE NOT PERMITTED UNLESS SPECIFICALLY DETAILED.
11. FRAMING AND SPACING SHOWN ON THE PLANS IS APPROXIMATE (SPACING SHOWN IS A MAXIMUM). FINAL FRAMING LAYOUT SHALL BE COORDINATED WITH ALL OPENINGS AND PENETRATIONS WITH TRADES REQUIRING THEM.
12. NAILS SHALL BE COMMON WIRE NAILS CONFORMING TO ASTM F1667, LATEST EDITION, BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1, LATEST EDITION. FASTENING WITH STAPLES IS NOT PERMITTED.
13. UNLESS NOTED OTHERWISE, THE MINIMUM FASTENING FOR SHEATHING SHALL BE AS FOLLOWS:
    a. WALL: 8D NAILS @ 6" (EDGE) & 12" (FIELD)
    b. FLOOR: GLUED AND 10D NAILS @ 6" O.C. (PANEL EDGES) AND 12" O.C. (FIELD)
    c. ROOF: 10D NAILS @ 6" O.C. (PANEL EDGES) AND 12" O.C. (FIELD)
    d. GWB: #6-11/4" SCREWS @ 8" (EDGE) AND 12" (FIELD)
14. USE FULLY NAILED METAL JOIST OR BEAM CONNECTORS (SIMPSON,OR APPROVED EQUAL) WHEN JOISTS OR BEAMS FRAME INTO OTHER JOISTS OR BEAMS.
15. HANGERS TO BE SIMPSON STRONG TIE CONNECTORS, HEAVY DUTY GALVANIZED STEEL OR APPROVED EQUAL. HANGERS SHALL BE OF PROPER SIZE AND TYPE TO MATCH THE SIZE OF THE SUPPORTED MEMBER. HANGERS SUPPORTING PREFABRICATED JOISTS SHALL BE THE TYPE AND SIZE RECOMMENDED BY THE JOIST MANUFACTURER AND SHALL DEVELOP THE FULL SHEAR CAPACITY OF THE SUPPORTED MEMBER. HANGERS SUPPORTING LAMINATED VENEER LUMBER SHALL DEVELOP THE FULL SHEAR CAPACITY OF THE SUPPORTED MEMBER.
16. PLYWOOD SHEATHING SHALL BE APA-RATED EXTERIOR GRADE COMPLYING WITH U.S. PRODUCT STANDARD PS-1. USE H-CLIPS AT PANELS ½" THICK OR LESS THAT SPAN 20" OR GREATER. PLACE EXTERIOR PLYWOOD SHEATHING HORIZONTALLY WITH STAGGERED JOINTS.
    a. SHEATHING SHALL BE CONTINUOUS OVER TWO OR MORE SUPPORTS. FLOOR AND ROOF SHEATHING SHALL BE ORIENTED WITH THE STRENGTH AXIS PERPENDICULAR TO THE SUPPORTS. WALL SHEATHING CAN BE ORIENTED PERPENDICULAR OR PARALLEL.
17. MULTIPLE PLY MEMBERS OF LAMINATED VENEER LUMBER SHALL BE PROPERLY FASTENED TOGETHER PER MANUFACTURERS RECOMMENDATIONS. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
18. BUILT UP BEAMS AND POSTS USING CONVENTIONAL FRAMING LUMBER SHALL BE FULLY SPIKED TOGETHER WITH 2-10d GALVANIZED NAILS (TOP & BOTTOM) AT 12" ON CENTER.

STRUCTURAL DESIGN CRITERIA

GOVERNING BUILDING CODE — 2020 BUILDING CODE OF NEW YORK STATE; 2020 EXISTING BUILDING CODE OF NEW YORK STATE

BUILDING RISK CATEGORY — II

ROOF LIVE LOAD
- ROOF CONSTRUCTION LOAD — 20 PSF

SNOW LOAD
- SNOW LOAD IMPORTANCE FACTOR, I_S — 1.00
- GROUND SNOW LOAD, p_g — 50 PSF
- SNOW EXPOSURE FACTOR, C_e — 0.9
- ROOF A & B
  - FLAT ROOF SNOW LOAD, p_f — 34.65 PSF
  - THERMAL FACTOR, C_t — 1.1
- ROOF C, D, & E
  - FLAT ROOF SNOW LOAD, p_f — 31.5 PSF
  - THERMAL FACTOR, C_t — 1.0
- ROOF A & D
  - SLOPE FACTOR, C_s — 1.0
  - UNBALANCED SNOW, p_u — 50 PSF
- SNOW DRIFT — SEE DIAGRAM
- SLIDING SNOW — SEE DIAGRAM

WIND LOAD

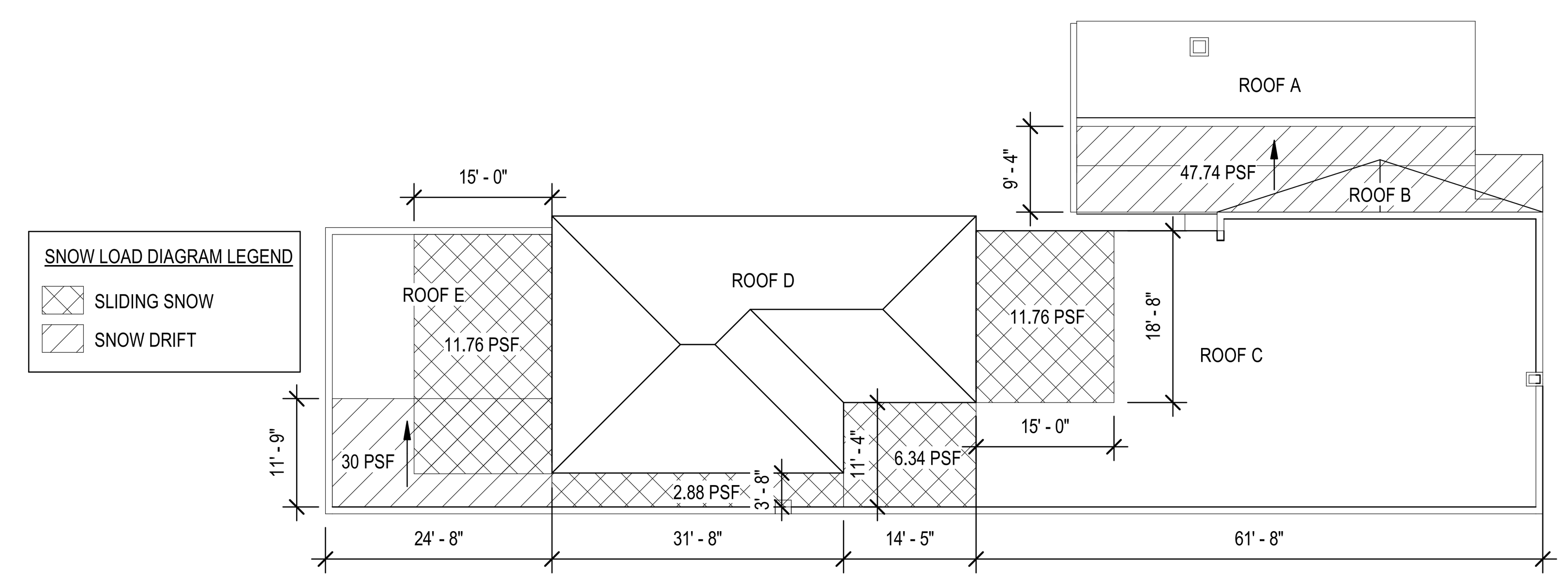
MAIN WIND FORCE RESISTING SYSTEM
- BASIC ULTIMATE WIND SPEED, V_{ULT} — 110 MPH
- BASIC NOMINAL WIND SPEED, V_{ASD} — 85 MPH
- WIND EXPOSURE — B
- TOPOGRAPHIC FACTOR, K_{zt} — 1.00
- WIND DIRECTIONALITY FACTOR, K_d — 0.85
- VELOCITY PRESSURE EXPOSURE COEFFICIENT, K_z — SEE SCHEDULE
- MEAN ROOF HEIGHT, H — SEE SCHEDULE

COMPONENTS & CLADDING — SEE DIAGRAM & SCHEDULE

RAIN LOAD
- RAIN INTENSITY, i — 2.25 IN / HR (60-MIN/100-YEAR DURATION); 1.26 IN / HR (15-MIN/100-YEAR DURATION)

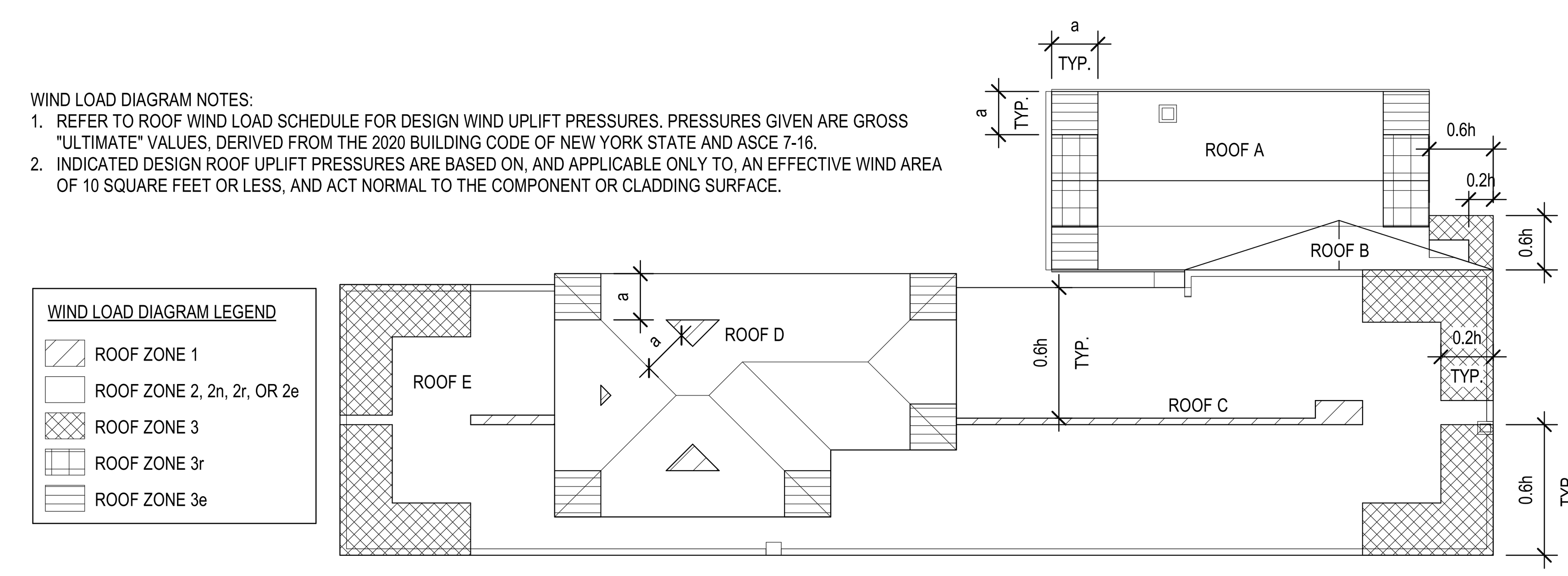
ROOF WIND LOAD SCHEDULE

ROOF	MEAN ROOF HEIGHT	Kz	a FT	0.2*h FT	0.6*h FT	ROOF ZONE	DESIGN UPLIFT PRESSURE PSF
A / B	14' - 0"	0.57	5.3	2.8	8.4	1 / 2e	30.0
						2n / 2r / 3e	45.0
						3	48.5
						3r	54.0
C / E	25' - 0"	0.66	-	5	15	1	32.6
						2	43.0
						3	58.6
D	29' - 4"	0.70	5.3	-	-	1	25.8
						2e / 2r / 3	36.8



2 / S002 — SNOW LOAD DIAGRAM
SCALE: 1/16" = 1'-0"

WIND LOAD DIAGRAM NOTES:
1. REFER TO ROOF WIND LOAD SCHEDULE FOR DESIGN WIND UPLIFT PRESSURES. PRESSURES GIVEN ARE GROSS "ULTIMATE" VALUES, DERIVED FROM THE 2020 BUILDING CODE OF NEW YORK STATE AND ASCE 7-16.
2. INDICATED DESIGN ROOF UPLIFT PRESSURES ARE BASED ON, AND APPLICABLE ONLY TO, AN EFFECTIVE WIND AREA OF 10 SQUARE FEET OR LESS, AND ACT NORMAL TO THE COMPONENT OR CLADDING SURFACE.



1 / S002 — WIND LOAD DIAGRAM
SCALE: 1/16" = 1'-0"

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PENFIELD, NEW YORK

Registration Expires: 02/29/2024

DOCUMENT PHASE
CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	BY	DESCRIPTION

PROJECT
441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT
USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE
GENERAL STRUCTURAL NOTES

DRAWING NO.
S002

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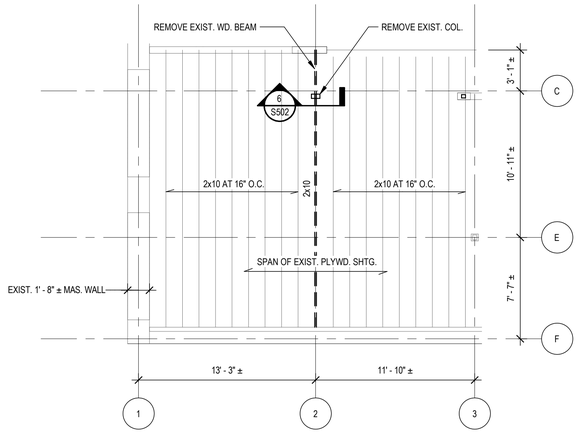
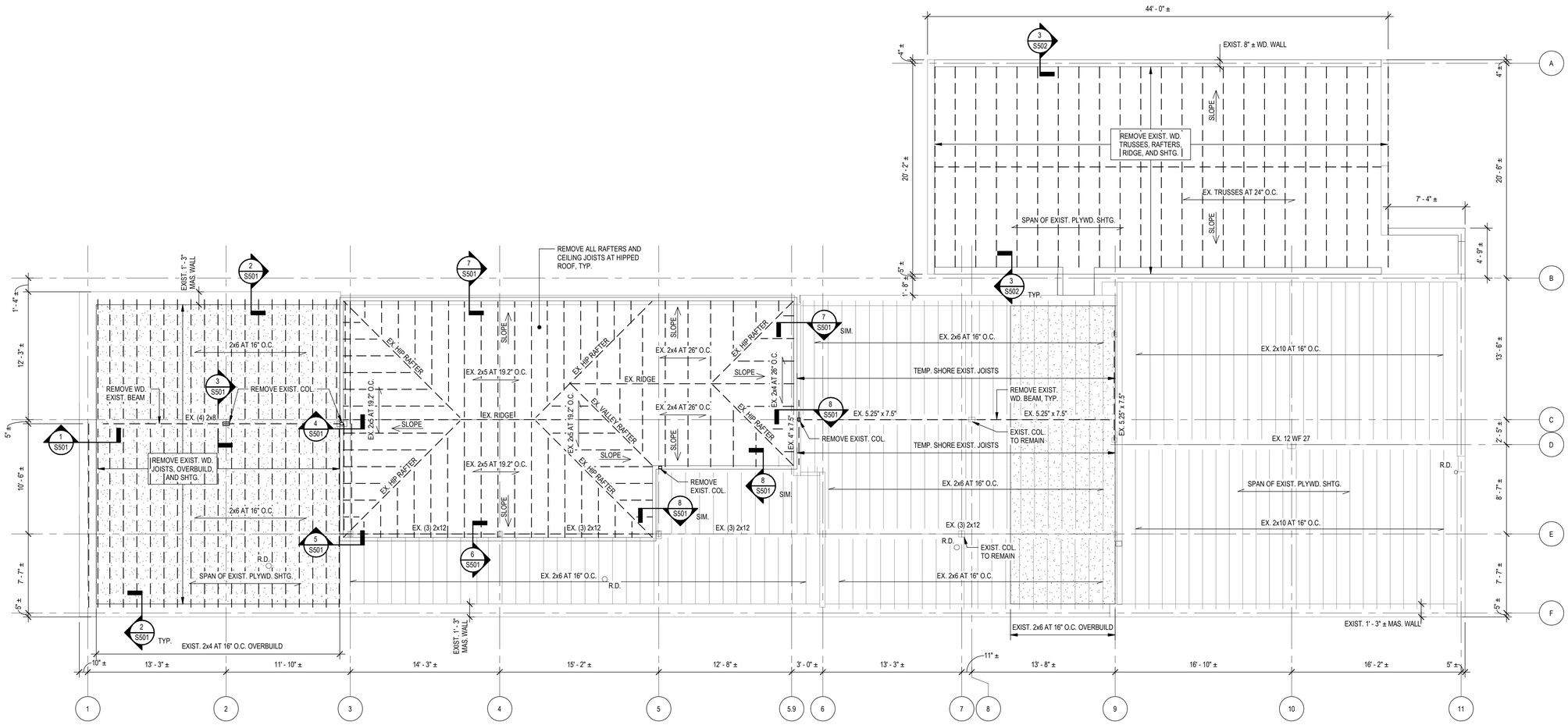


GENERAL FRAMING PLAN NOTES

1. EXISTING FLOOR ELEVATION = +XX'-XX".
2. TYPICAL ROOF ELEVATION IS TOP OF RIDGE BEAM ELEVATION = +XX'-XX".
3. REFER TO DRAWINGS S002 FOR GENERAL NOTES AND S701 FOR TYPICAL DETAILS.

2 / SD201 PARTIAL SECOND FLOOR DEMOLITION PLAN
SCALE: 3/16" = 1'-0"



1 / SD201 ROOF FRAMING DEMOLITION PLAN
SCALE: 3/16" = 1'-0"

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PENFIELD, NEW YORK

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JAMES M. POPLI
084090
LICENSED PROFESSIONAL ENGINEER

Registration Expires: 02/29/2024

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222 1ST ST #7,
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DRAWING TITLE
ROOF FRAMING DEMOLITION

DRAWING NO. SD201

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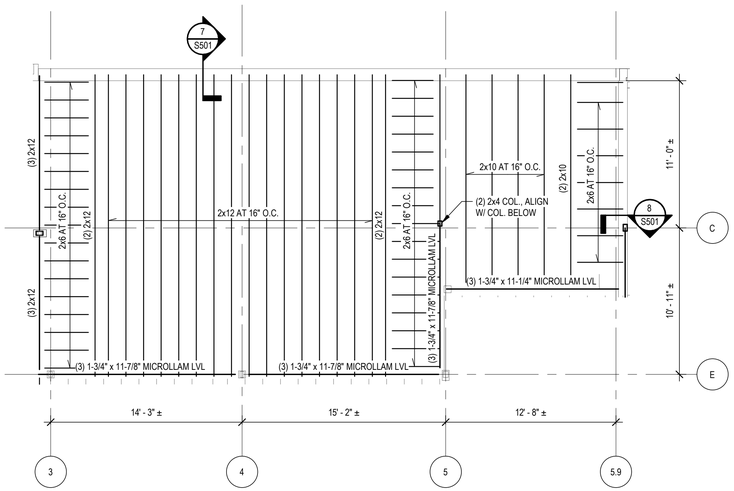
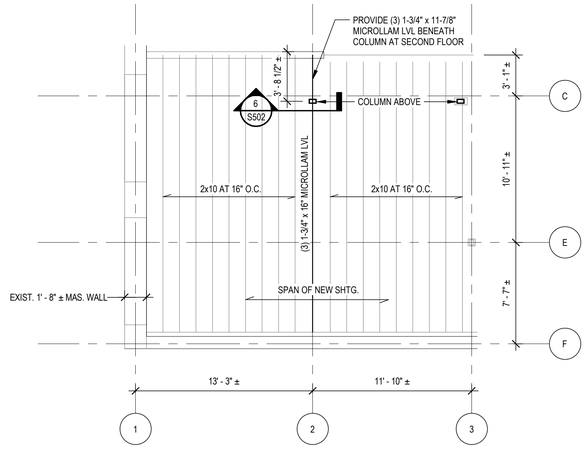


3 S201 CEILING FRAMING PLAN AT HIPPED ROOF

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

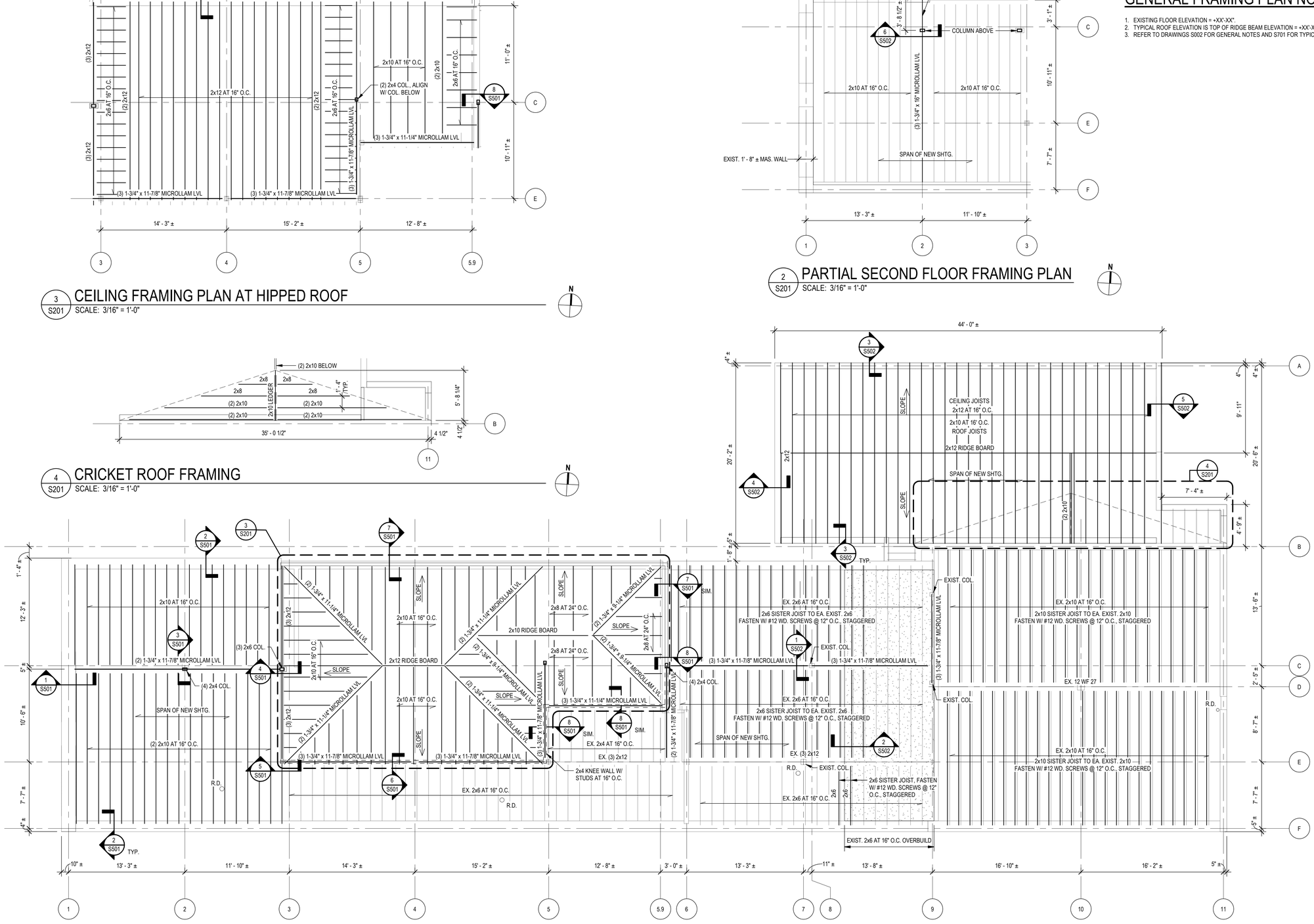
4 S201 CRICKET ROOF FRAMING

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



2 S201 PARTIAL SECOND FLOOR FRAMING PLAN

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



1 S201 ROOF FRAMING PLAN

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

GENERAL FRAMING PLAN NOTES

1. EXISTING FLOOR ELEVATION = +XX'-XX".
2. TYPICAL ROOF ELEVATION IS TOP OF RIDGE BEAM ELEVATION = +XX'-XX".
3. REFER TO DRAWINGS S002 FOR GENERAL NOTES AND S701 FOR TYPICAL DETAILS.

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PENFIELD, NEW YORK

STATE OF NEW YORK · ANDREW M. POPLI · 084090 · LICENSED PROFESSIONAL ENGINEER

Registration Expires: 02/29/2024

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

PROJECT

441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT

USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE

ROOF FRAMING PLAN

DRAWING NO. S201

DRAWN BY	ALH
CHECKED	JMF
PROJ. MGR.	OK
PROJ. NO.	23036.00

ISSUE DATE 09/21/2023

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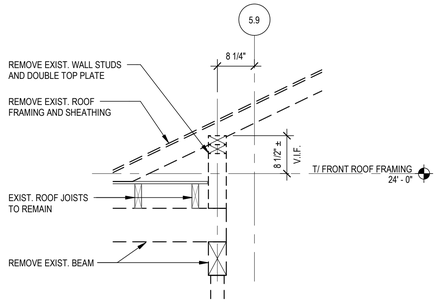

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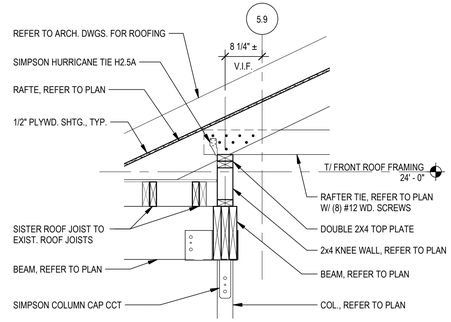
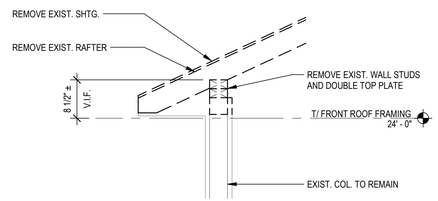


NEW CONSTRUCTION

8 / S501 FRAMING AT EAST WALL AT ROOF D

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



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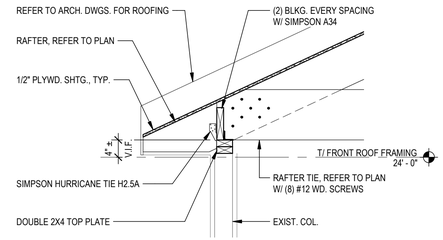
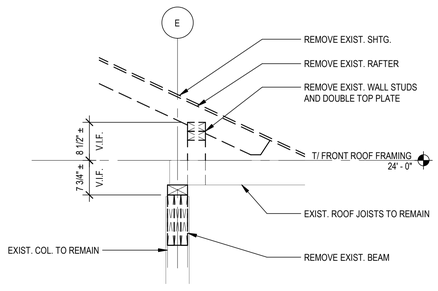


NEW CONSTRUCTION

7 / S501 FRAMING AT NORTH WALL AT ROOF D

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



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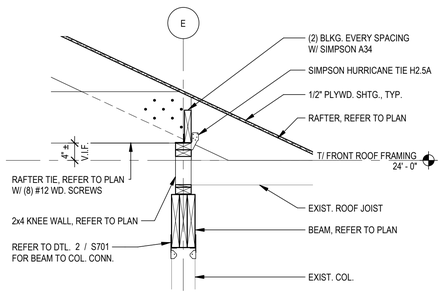
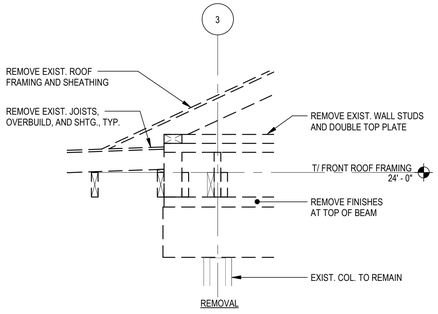


NEW CONSTRUCTION

6 / S501 FRAMING AT SOUTH WALL AT ROOF D

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



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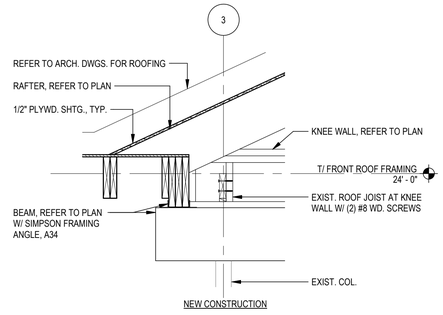
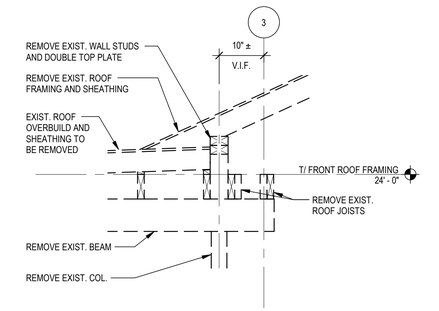


NEW CONSTRUCTION

5 / S501 FRAMING AT SOUTHWEST CORNER AT ROOF D

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



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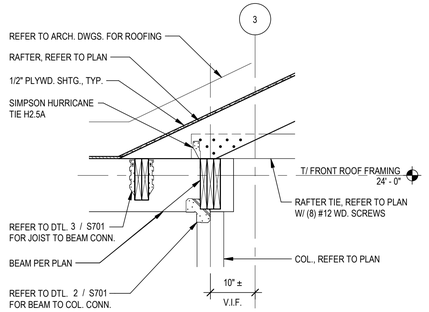
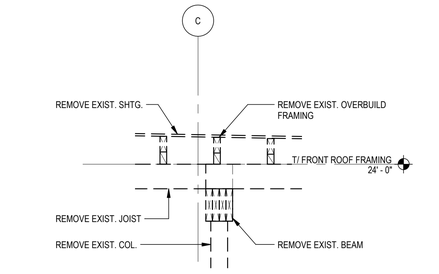


NEW CONSTRUCTION

4 / S501 FRAMING AT WEST WALL AT ROOF D

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



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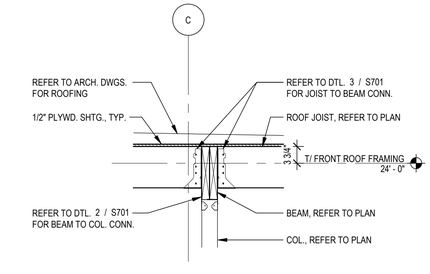
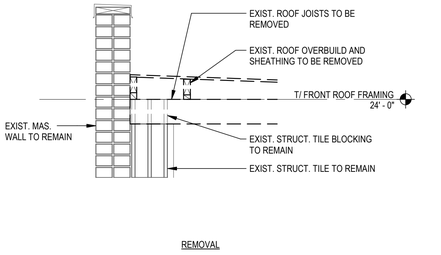


NEW CONSTRUCTION

3 / S501 FRAMING AT BEAM AT ROOF E

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



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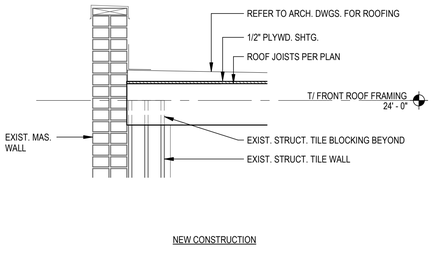
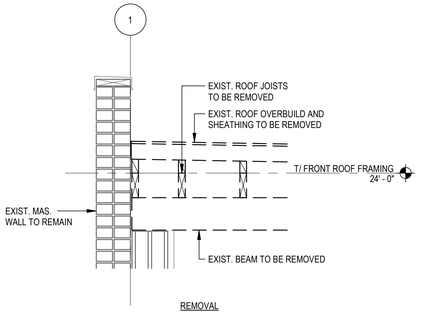


NEW CONSTRUCTION

2 / S501 JOIST BEARING AT NORTH / SOUTH WALL AT ROOF E

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



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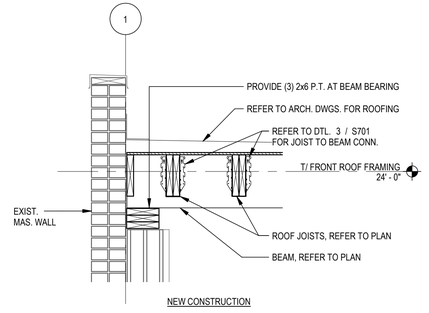

NEW CONSTRUCTION

1 / S501 BEAM BEARING AT WEST WALL AT ROOF E

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

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STATE OF NEW YORK · DAVID M. JACK · 084090 · LICENSED PROFESSIONAL ENGINEER

Registration Expires: 02/29/2024

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

PROJECT
441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT
USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE
STRUCTURAL SECTIONS

DRAWING NO. S501

DRAWN BY	DC
CHECKED	JMF
PROJ. MGR.	OK
PROJ. NO.	23036.00

ISSUE DATE
09/21/2023

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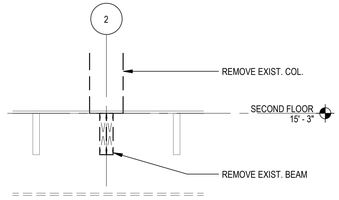

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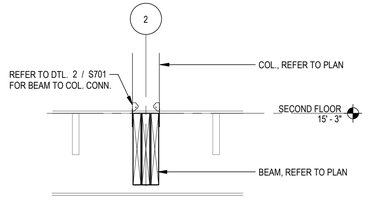
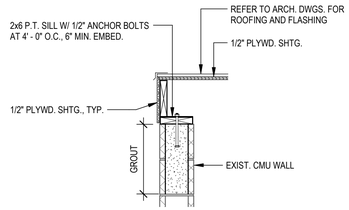


NEW CONSTRUCTION

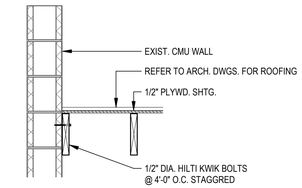
6 / S502 COLUMN BASE CONNECTION AT SECOND FLOOR

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



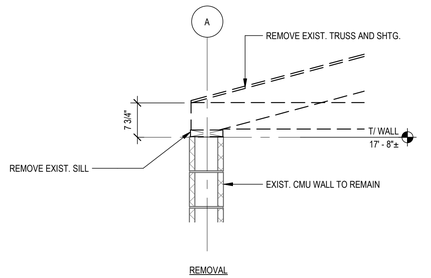
5 / S502 FRAMING AT EAST WALL AT ROOF A

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



4 / S502 FRAMING AT WEST WALL AT ROOF A

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



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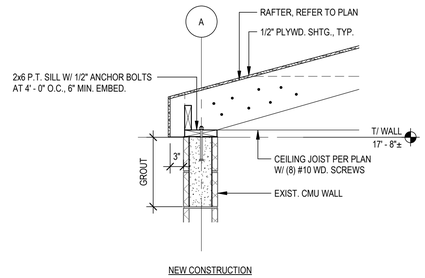
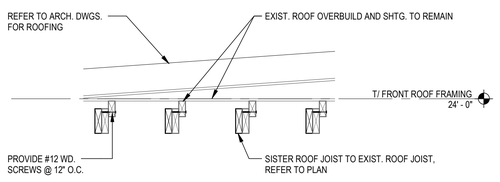


NEW CONSTRUCTION

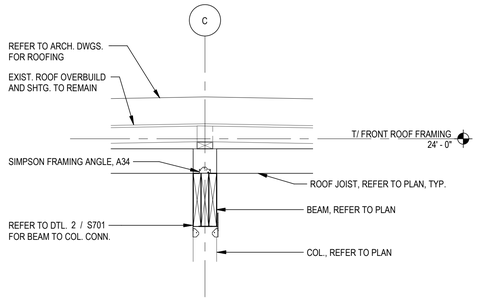
3 / S502 ROOF BEARING AT NORTH / SOUTH WALLS AT ROOF A

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



2 / S502 OVERBUILD AT ROOF C

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



1 / S502 FRAMING AT CENTER BEAM AT ROOF C

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

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PENFIELD, NEW YORK

STATE OF NEW YORK
ANDREW M. POPLI
084090
LICENSED PROFESSIONAL ENGINEER

Registration Expires: 02/29/2024

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	BY	DESCRIPTION

PROJECT

441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT

USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE

STRUCTURAL SECTIONS

DRAWING NO.

S502

DRAWN BY	ALH
CHECKED	JMF
PROJ. MGR.	OK
PROJ. NO.	23036.00

ISSUE DATE

09/21/2023

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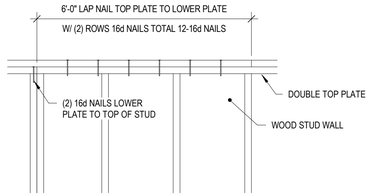
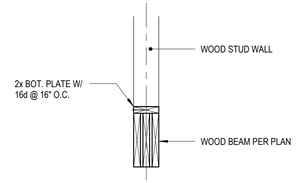
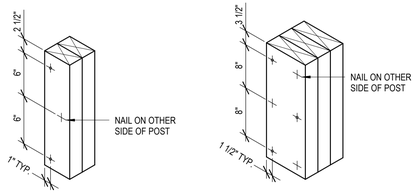


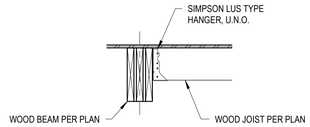
8 / S701 TYPICAL WOOD LAP SPLICE
NOT TO SCALE



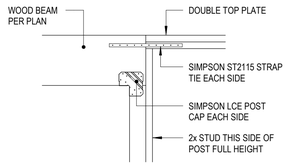
4 / S701 TYPICAL WOOD STUD WALL AT WOOD BEAM
NOT TO SCALE



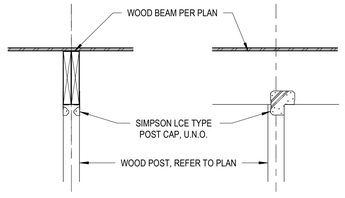
7 / S701 TYPICAL WOOD POST NAILING DETAIL
NOT TO SCALE



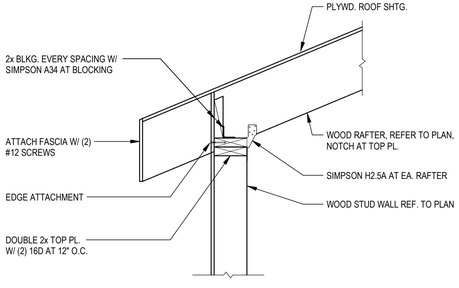
3 / S701 TYPICAL WOOD JOIST TO WOOD BEAM CONNECTION
NOT TO SCALE



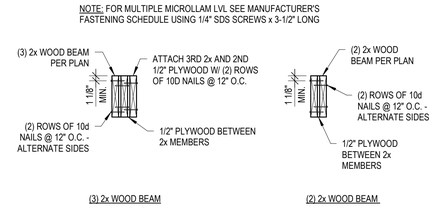
6 / S701 TYPICAL WOOD BEAM TO STUD WALL
NOT TO SCALE



2 / S701 TYPICAL WOOD BEAM TO WOOD COLUMN CONNECTION
NOT TO SCALE



5 / S701 TYPICAL WOOD RAFTER AT WOOD STUD WALL
NOT TO SCALE



1 / S701 TYPICAL BUILT-UP BEAM NAILING DETAIL
NOT TO SCALE

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STATE OF NEW YORK · CHRISTOPHER M. POPLI · 084090 · LICENSED PROFESSIONAL ENGINEER

Registration Expires: 02/29/2024

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222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE
TYPICAL STRUCTURAL DETAILS

DRAWING NO. S701

DRAWN BY	DC
CHECKED	JMF
PROJ. MGR.	OK
PROJ. NO.	23036.00

ISSUE DATE
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ARCHITECTURAL ABBREVIATIONS

A

A:	Area
AB:	Anchor Bolt
ABV:	Above
ACC:	Access
ACOUST:	Acoustical
ACR:	Acrylic
ACST:	Acoustic
ACT:	Acoustical Tile
AD:	Access Door
ADH:	Adhesive
ADJ:	Adjust, Adjustable, Adjacent
AFF:	Above Finished Floor
AGGR:	Aggregate
ALT:	Alternate
ALUM:	Aluminum
ANOD:	Anodized
AP:	Access Panel
APPROX:	Approximate
ARD:	Abandoned Roof Drain
ATC:	Acoustical Tile Ceiling

B

BDRM:	Bedroom
BETW:	Between
BF:	Board Foot
BIT:	Bituminous
BLDG:	Building
BLKG:	Blocking
BOT:	Bottom
BPL:	Bearing Plate
BRG:	Bearing
BRK:	Brick
BRZ:	Bronze
BS:	Both Sides
BSMT:	Basement
BUR:	Built-up Roof

C

C/C:	Center to Center
CAB:	Cabinet
CAR:	Carpet
CAV:	Cavity
CCW:	Counter Clockwise
CCTV:	Closed Circuit TV
CEM:	Cement
CER:	Ceramic
CF:	Cubic Feet
CHAM:	Chamfer
CJ:	Control Joint
CK:	Caulking
CL:	Centerline
CLG:	Ceiling
CLKG:	Caulking
CLR:	Clear
CLR OPG:	Clear Opening
CMT:	Ceramic Mosaic Tile
CMU:	Concrete Masonry Unit
COL:	Column
CONC:	Concrete
CONSTR:	Construction
CONT:	Continuous
CONTR:	Contractor
COP:	Copper
CPR:	Copper
CPT:	Carpet
CT:	Ceramic Tile
CW:	Clockwise

D

DBL:	Double
DEG:	Degree
DEMO:	Demolition
DF:	Drinking Fountain
DIAG:	Diagonal
DIA:	Diameter
DIAM:	Diameter
DIFF:	Diffuser
DN:	Down
DR:	Door
DWG:	Drawing
DWGS:	Drawings
DWR:	Drawer

E

EA:	Each
EB:	Expansion Bolt
EE:	Each End
EF:	Each Face
EIFS:	Exterior Insulation and Finish System
EJ:	Expansion Joint
EL:	Elevation, Elevator
ELEC:	Electrical
ELEV:	Elevator, Elevation
ENCL:	Enclosure
EPDM:	Ethylene Propylene Diene Monomer
EQ:	Equal
EQUIP:	Equipment
EW:	Each Way
EXG:	Existing
EXH:	Exhaust
EXIST:	Existing
EXP:	Exposed
ESS:	Existing Direction Of Sloped Structure

F

FB:	Face Brick
FD:	Floor drain
FDC:	Fire Department Connection
FDN:	Foundation
FDTN:	Foundation
FE:	Fire Extinguisher
FEC:	Fire Extinguisher Cabinet
FFE:	Finished Floor Elevation
FF&E:	Fixtures, Furnishings & Equipment
FFL:	Finished Floor Line
FGL:	Fiberglass
FHC:	Fire Hose Cabinet
FIN:	Finish, finished
FIXT:	Fixture
FL:	Floor
FLR:	Floor
FO:	Finished Opening
FOF:	Face of Finish
FOS:	Face of Studs
FP:	Fireproof
FRT:	Fire Retardant
FT:	Foot, Feet,
FTG:	Footing, Fitting
FURN:	Furnish, Furniture
FURR:	Furring

G

GA:	Gauge, Gage
GALV:	Galvanized
GC:	General Contractor
GL:	Glass
GL BLK:	Glass Block
GRND:	Ground
GRTG:	Grating
GVL:	Gravel
GYP:	Gypsum
GYP BD:	Gypsum Board

H

HDCP:	Handicapped (better called "Accessible")
HDW:	Hardware
HDWD:	Hardwood
HGT:	Height
HM:	Hollow Metal
HORIZ:	Horizontal
HR:	Hour
HWD:	Hardwood

I

ID:	Inside Diameter
IN:	Inch
INCL:	Include
INFO:	Information
INSTL:	Install
INSUL:	Insulation
INT:	Interior
INTERM:	Intermediate

J

JAN:	Janitor
JC:	Janitor's Closet
JT:	Joint

L

LAB:	Laboratory, Labor
LAV:	Lavatory
LB:	Pound (weight)
LBL:	Label
LINO:	Linoleum
LNTL:	Lintel

M

MAINT:	Maintenance
MAN:	Manual
MAR:	Marble
MARB:	Marble
MAS:	Masonry
MAT:	Material
MATL:	Material
MAX:	Maximum
ME:	Mechanical Equipment
MECH:	Mechanical
MEMB:	Membrane
MFD:	Manufactured
MFG:	Manufacturer, Manufacturing
MFR:	Manufacture, Manufacturer
MI:	Malleable Iron, Miles
MIKE:	Microphone
MIN:	Minimum
MIR:	Mirror
MISC:	Miscellaneous
MK:	Mark
ML&P:	Metal Lath & Plaster
MLD:	Molding
MLDG:	Molding
MM:	Millimeter
MMB:	Membrane
MO:	Masonry Opening
MOD:	Module
MONO:	Monolithic
MOV:	Movable
MP:	Metal Acoustical Panel
MPS:	Medium Pressure Steam
MR:	Mop Receptor
MRD:	Metal Roof Deck
MT:	Mount, Mounted
MTD:	Mounted
MTL:	Material, Metal
MTR:	Motor
MUL:	Mullion
MULL:	Mullion
MV:	Mercury Vapor
MWP:	Maximum Working Pressure
MWK:	Millwork

N

N:	North, Nitrogen
NAP:	Napkin
NAT:	Natural
NATL:	Natural
NB:	"Nota Bene" Latin phrase for "Take Special Note"
NC:	Normally Closed, Noise Criteria
NEC:	National Electrical Code
NEUT:	Neutral
NF:	Near Face
NFWH:	Non-freeze Wall Hydrant
NI:	Nickel
NIC:	Not In Contract
NK:	Neck
NMT:	Non-Metallic
NO:	Number, Normally Open
NOM:	Nominal
NR:	Noise Reduction
NRC:	Noise Reduction Coefficient
NTS:	Not To Scale

O

OB:	Obscure
OBS:	Obscure
OC:	On Center
OD:	Outside Diameter
OF:	Outside Face
OFF:	Office
OH:	Overhead
OHD:	Overhead Door
OPNG:	Opening
OPP:	Opposite
OPP H:	Opposite Hand

P

P:	Penetration
P. LAM:	Plastic Laminate
PAR:	Parallel
PBD:	Particle Board
PERIM:	Perimeter
PERP:	Perpendicular
PL:	Plate
PLBG:	Plumbing
PLYWD:	Plywood
PLUMB:	Plumbing
PR:	Pair
PREFAB:	Prefabricated
PRES:	Pressure
PRESS:	Pressure
PRMLD:	Premolded
PRTN:	Partition
PSF:	Pounds per square foot
PSI:	Pounds per square inch
PT:	Paint
PTD:	Painted, Paper Towel Dispenser
PTD/R:	Combination Paper Towel Dispenser/Receptacle
PTN:	Partition

Q

QUAL:	Quality
QT:	Quarry Tile, Quart
QTY:	Quantity

R

RB:	Rubber Base
RCP:	Reflected Ceiling Plan
RD:	Roof Drain, Round, Receptacle Distribution Panel
REBAR:	Reinforcing Bar
REF:	Refer, Reference, Refrigerator
REFL:	Reflected,
REFR:	Refrigerate, Refrigerator
REINF:	Reinforcement, or Reinforce
REQD:	Required
RESIL:	Resilient
RF:	Roof
RGH:	Rough
RGH OPNG:	Rough Opening
RO:	Rough Opening
RT:	Rubber Tile
RV:	Roof Vent

S

SALV:	Salvage
SCHED:	Schedule
SC:	Scupper
SF:	Square Foot
SHR:	Shower
SHT:	Sheet
SPEC:	Specification, Specifications
SPECS:	Specifications
SQ:	Square
SS:	Stainless Steel
STC:	Sound Transmission Class
STD:	Standard
STL:	Steel
STOR:	Storage
STRT:	Straight
STRUC:	Structural
STRUCT:	Structural
SUR:	Surface
SUSP:	Suspended, Suspend

T

T&B:	Top and Bottom
T&G:	Tongue & Groove
TB:	Towel Bar
TD:	Trench Drain
TERR:	Terrazzo
THK:	Thick, Thickness
THRU:	Through
TLT:	Toilet
TPD:	Toilet paper Dispenser
TPH:	Toilet Paper Holder
TPTN:	Toilet Partition
TYP:	Typical
TZ:	Terrazzo

U

UNFIN:	Unfinished
UNO:	Unless Noted Otherwise
UON:	Unless Otherwise Noted
UP:	Unpainted
UR:	Urinal

V

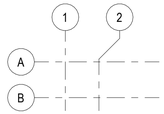
VAT:	Vinyl Asbestos Tile
VBC:	Vinyl Base (Coved)
VCT:	Vinyl Composition Tile
VERT:	Vertical
VEST:	Vestibule
VIF:	Verify In the Field
VT:	Vinyl Tile
VTR:	Vent Through Roof
VWC:	Vinyl Wall Covering

W

W/:	With
W/O:	Without
WAINS:	Wainscot
WC:	Watercloset
WD:	Wood

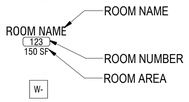
ARCHITECTURAL DRAWINGS SYMBOLS

COLUMN LINE REFERENCES



DOOR TAGS

ROOM TAG



WINDOW TAG/LOUVER TAG

WALL TYPE

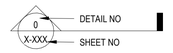
DEMO KEYNOTE

NEW KEYNOTE

PLAN/ELEVATION KEYNOTE

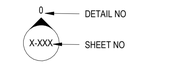
FINISH KEYNOTE

BUILDING SECTIONS

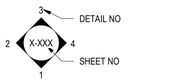


WALL SECTIONS

DETAIL SECTIONS



EXTERIOR ELEVATIONS



INTERIOR ELEVATIONS

DETAIL CALL OUTS

REVISION SYMBOL AND CLOUD

MATERIAL SYMBOLS

CONCRETE MASONRY UNITS (CMU)

CONCRETE

BRICK

GYPSUM WALL BOARD

ACOUSTICAL CEILING TILE

WOOD FACIA

RIGID INSULATION

WOOD (ROUGH)

WOOD (BLOCKING)

STEEL

PLYWOOD

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CERTIFICATE OF AUTHORIZATION 018110

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PENFIELD, NEW YORK

REGISTERED ARCHITECT
OLGA KISLYUK
041855
STATE OF NEW YORK

EXPIRATION: 2/29/2024

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DATE	BY	DESCRIPTION

PROJECT

441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT

USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE

ARCHITECTURAL SYMBOLS & ABBREVIATIONS

DRAWING NO.

A001

DRAWN BY	CP
CHECKED	MHS
PROJ. MGR.	OK
PROJ. NO.	23036

ISSUE DATE

09/21/2023

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STAGING PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL, AT ALL TIMES, KEEP ACCESS ROUTES, PARKING, AND STAGING AREAS CLEAN OF DEBRIS AND OTHER OBSTRUCTIONS RESULTING FROM THE WORK.

2. THE CONTRACTOR SHALL PROVIDE LOCATION PLAN FOR USE OF CRANES, EQUIPMENT, AND ETC. FOR REVIEW PRIOR TO MOBILIZATION AND AS PER SPECIFICATIONS. CONTRACTOR TO PROVIDE PRECONSTRUCTION PHOTOS OF WORK AREAS. REVIEW AND COORDINATE EQUIPMENT LOCATIONS WITH EXISTING UNDERGROUND UTILITIES. VERIFY EXACT UTILITY LOCATIONS PRIOR TO SUBMISSION OF MOBILIZATION PLANS AND OBSERVE ALL FIRE DEPARTMENT CONNECTIONS AND EQUIPMENT ZONES.

3. PRIOR TO PERFORMING ANY REMOVALS OR CONSTRUCTION THAT IMPAIRS FREE EGRESS FROM EXISTING BUILDING EXITS TO AREA OF REFUGE REMOTE FROM THE BUILDINGS, COMPLETE THE INSTALLATION OF ALL TEMPORARY FENCING, BARRICADES, AND WALKWAYS. INSTALL TEMPORARY EGRESS STAIRS RAMPS AND PATHS AROUND WORK AREAS THAT COMPLY WITH THE EXISTING BUILDING CODE OF N.Y.S. CHAPTER 14, CONSTRUCTION SAFEGUARDS.

4. SECURITY SAFETY FENCING (PLASTIC CONSTRUCTION FENCE) SHALL BE PROVIDED, MAINTAINED, AND REMOVED BY CONTRACTOR AROUND ALL STAGING, STORAGE AND CONSTRUCTION AREAS. ALL FENCING SHOWN SHALL BE AS FOLLOWS:
   A) FENCES SHALL BE 4'-0" HIGH MIN.
   B) ALL FENCE SHALL BE ORANGE CONSTRUCTION FENCE.
   C) FENCING IN GRASS AREAS SHALL HAVE ALL GRASS, WEEDS, ETC. MOWED WHEN IT EXCEEDS 6" IN HEIGHT.

6. PROVIDE PROPER BARRICADES, FENCING AND SIGNAGE FOR PUBLIC SAFETY AT ALL CRANE LOCATIONS AND ALL OTHER EQUIPMENT WORK AREAS.

7. CRANE PICKS PER OSHA REQUIREMENTS

8. CONTRACTOR TO FIELD VERIFY UNDERSIDE OF DECK CONDITIONS PRIOR TO BID. ROOMS WITH ACT CEILINGS ARE TO BE DUST/DEBRIS PROTECTED AND CLEANED AFTER ROOF INSTALLATION.

9. CONTRACTOR SHALL COORDINATE WITH OWNER THE SCHEDULING OF SPRAY FOAM AND ADHESIVE PROCEDURES AND POTENTIAL AIR HANDLING EQUIPMENT SHUT DOWNS.

10.CONTRACTOR SHALL REPLACE ANY DISTURBED FIRE PROOFING WITH REPLACEMENT FIREPROOFING MATERIAL TO MATCH EXISTING, OR PROVIDE REPLACEMENT FIRE PROOFING SUCH AS W.R.GRACE RETRO-GUARD APPLIED PER MANUF WRITTEN INSTRUCTIONS.

11. PER OSHA REQUIREMENTS PROVIDE FALL PROTECTION BARRIERS AT ALL WORK AREAS.

12. REPAIR ALL LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES TO PRECONSTRUCTION CONDITION, INCLUDE SOIL REPLACEMENT, SEEDING AND MAINTAIN UNTIL FIRST CUTTING.

DEMOLITION GENERAL NOTES

1. REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF ROOF FRAMING MEMBER REMOVALS.

2. REFER TO ACM REMOVAL DRAWINGS FOR ABATEMENT DETAILS.

DEMOLITION KEYNOTES:

1. CAREFULLY DISCONNECT AND REMOVE ROOFTOP AIR CONDITIONER CONDENSING UNIT AND SALVAGE FOR REINSTALLATION.
2. REMOVE EXISTING TERRACOTTA COPING AND GROUT.
3. REMOVE EXISTING METAL COPING.
4. REMOVE EXISTING FLASHING.
5. REMOVE EXISTING METAL EDGE.
6. REMOVE EXISTING ASPHALT SHINGLES ,UNDERLAYMENT, PLYWOOD SHEATHING AND 2x ROOF RAFTERS, REFER TO STRUCTURAL DRAWINGS FOR FRAMING REMOVAL.
7. REMOVE EXISTING SINGLE PLY ROOF SYSTEM DOWN TO EXISTING PLYWOOD SHEATHING.
8. REMOVE 2'-0" EXISTING FLUE AND EXISTING BRICK MASONRY CHIMNEY DOWN TO ROOF DECK/ REAR CMU PARAPET.
9. REMOVE EXISTING ALUMINUM GUTTER AND DOWNSPOUT.
10. REMOVE PORTION OF EXISTING DAMAGED PLYWOOD SHEATHING TO EXTENTS PER PLAN.
11. REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING TILE SYSTEM WITH INSULATION. DISCONNECT, REMOVE AND SALVAGE ALL ASSOCIATED EXISTING LIGHTS, MECHANICAL DIFFUSERS AND MISCELLANEOUS CEILING MOUNTED FIXTURES ASSOCIATED WITH CEILING REMOVAL.
12. REMOVE EXISTING GYPSUM BOARD CEILING. DISCONNECT, REMOVE AND SALVAGE ALL ASSOCIATED EXISTING LIGHTS, MECHANICAL DIFFUSERS AND MISCELLANEOUS CEILING MOUNTED FIXTURES ASSOCIATED WITH CEILING REMOVAL.
13. REMOVE EXISTING VENT.
14. REMOVE EXISTING ASPHALT SHINGLES ,UNDERLAYMENT , PLYWOOD SHEATHING AND 2x ROOF RAFTERS, REFER TO STRUCTURAL DRAWINGS FOR FRAMING REMOVAL.
15. REMOVE EXISTING ALUMINUM GUTTER AND ASSOCIATED METAL FLASHING.
16. REMOVE PORTION OF EXISTING FLOOR DECKING TO EXTENTS PER PLAN.
17. REMOVE EXISTING SINGLE PLY ROOF SYSTEM, PLYWOOD SHEATHING AND 2x ROOF RAFTERS, REFER TO STRUCTURAL DRAWINGS FOR FRAMING REMOVAL.
18. REMOVE EXISTING ASPHALT COPING.
19. EXISTING CHIMNEY TO REMAIN, REMOVE EXISTNG FLASHING.

DEMOLITION LEGEND

ESS →	EXISTING DIRECTION OF SLOPED STRUCTURE	ME	MECHANICAL EQUIPMENT, REFER TO RE-ROOF GENERAL NOTES
○ V	EXISTING VENT TO REMAIN		EXISTING PLYWOOD SHEATHING TO BE REMOVED
● V	EXISTING VENT TO BE REMOVED		EXISTING FLOOR DECKING TO BE REMOVED
○ ELEC	ELECTRICAL POWER TO REMAIN	RV	EXISTING ROOF VENT TO BE REMOVED
○ P	EXISTING ABANDONED ROOF PENETRATION. CONTRACTOR TO VERIFY USE AND EXTENT OF REMOVAL	SC	EXISTING SCUPPER TO REMAIN
● RD	EXISTING ROOF DRAIN	● ARD	EXISTING ABANDONED ROOF DRAIN

EXISTING ROOFING SYSTEM TYPE (VIF):

EXISTING ROOF TYPE A :

- ASPHALT SHINGLES
- ROOF UNDERLAYMENT
- EXISTING PLYWOOD SHEATHING TO BE REMOVED
- EXISTING 2 x FRAMING TO BE REMOVED, REFER TO STRUCTURAL DWGS FOR EXTENT OF FRAMING MEMBER REMOVALS.

EXISTING ROOF TYPE C :

- SINGLE PLY MEMBRANE
- VAPOR BARRIER
- SLOPED PLYWOOD SUBSTRATE TO REMAIN, U.O.N.
- PORTION OF EXISTING 2x FRAMING TO REMAIN, REFER TO STRUCTURAL DWGS FOR EXTENT OF FRAMING MEMBER REMOVALS & REPAIRS.

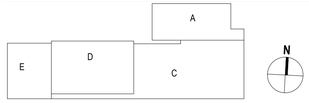
EXISTING ROOF TYPE D :

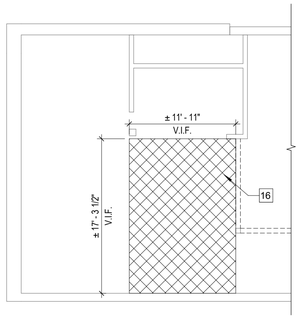
- ASPHALT SHINGLES
- ROOF UNDERLAYMENT
- 2x WOOD SUBSTRATE BOARDS TO BE REMOVED.
- EXISTING 2 x RAFTERS TO BE REMOVED, REFER TO STRUCTURAL DWGS FOR EXTENT OF FRAMING MEMBER REMOVALS.

EXISTING ROOF TYPE E :

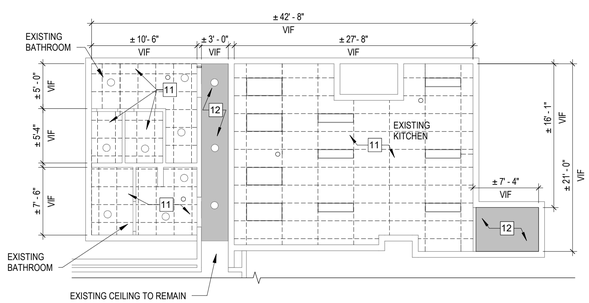
- SINGLE PLY MEMBRANE
- VAPOR BARRIER
- SLOPED PLYWOOD SUBSTRATE TO BE REMOVED.
- EXISTING 2x FRAMING TO BE REMOVED, REFER TO STRUCTURAL DWGS FOR EXTENT OF FRAMING MEMBER REMOVALS.

EXISTING ROOF TYPE DIAGRAM



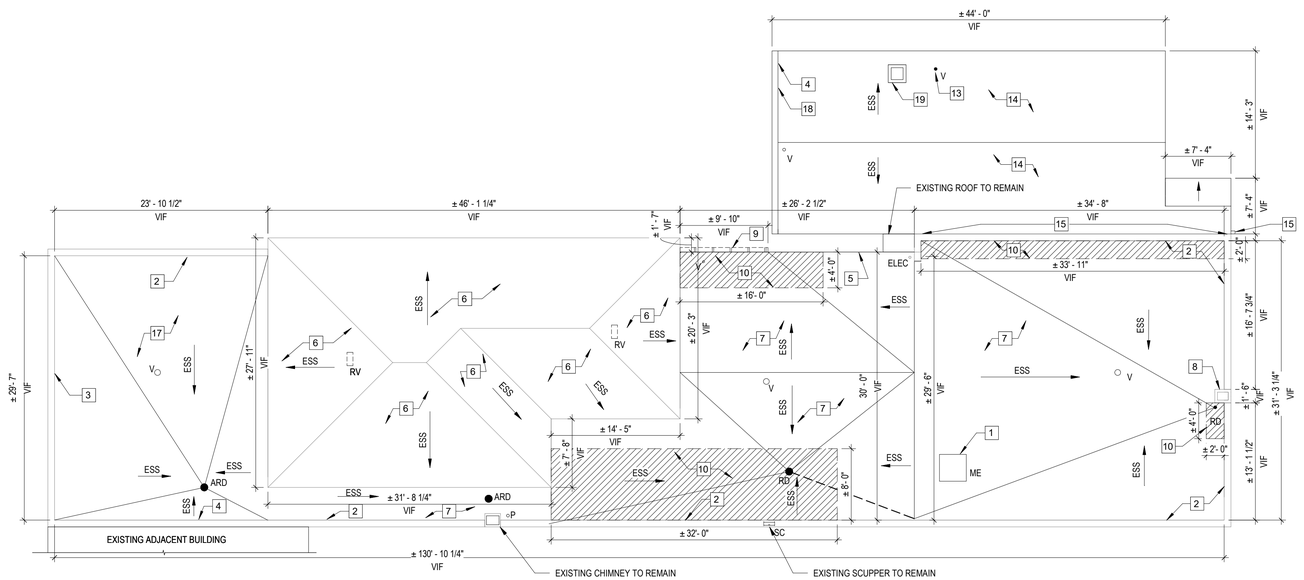


3 AD101 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA E
SCALE: 1/8" = 1'-0"

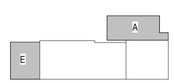


PARTIAL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN - AREA A

2 AD101 SCALE: 1/8" = 1'-0"



1 AD101 ROOF DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN

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PENFIELD, NEW YORK

REGISTERED ARCHITECT
OLGA KISLYUK
041855-1
STATE OF NEW YORK

EXPIRATION: 2/29/2024

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

PROJECT
441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT
USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE
STAGING PLAN GENERAL NOTES,DEMOLITION GENERAL NOTES, DEMOLITION KEYNOTES, LEGEND, EXISTING ROOFING SYSTEM TYPE AND DIAGRAM, PARTIAL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN, PARTIAL SECOND FLOOR DEMOLITION FLOOR PLAN - AREA B AND ROOF DEMOLITION PLAN

DRAWING NO. AD101

DRAWN BY	CP
CHECKED	MHS
PROJ. MGR.	OK
PROJ. NO.	23036

ISSUE DATE
09/21/2023

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RE- ROOF GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN FIELD BEFORE SUBMISSION BID.

2. PROVIDE ADDITIONAL FLASHING, COUNTER FLASHING, PRESSURE TREATED WOOD BLOCKING AND ALL OTHER NECESSARY MATERIALS FOR COMPLETE ROOF RECONSTRUCTION.

3. EXTEND EXISTING PLUMBING VENT PIPES, IF NEEDED, SO THAT SUCH PIPES PROJECTS A MINUMUN OF 1'-4" ABOVE THE ROOF MEMBRANE.

4.PRIOR TO RE-ROOFING PERFORM FLOW TEST AND VERIFY DRAIN SIZE AT EACH DRAIN LOCATION. ALL ROOF DRAIN LEADERS SHALL BE CLEANED OUT AND ASSURED OF POSITIVE FLOW. EXITING ROOF DRAIN BODIES ARE TO REMAIN UNLESS NOTED. OTHERWISE, CLEAN ALL CLAMPING SURFACES, DRAIN BOWLS, TAILPIECES, AND REPLACE MISSING OR BROKEN DRAIN PARTS. REPLACE AND LUBRICATE ALL CLAMPING BOLTS. WHERE REPLACEMENT PARTS ARE NOT AVAILABLE, REPLACE ENTIRE DRAIN ASSEMBLY. REMOVE AND PROVIDE REPLACEMENT CLAMPS AT ALL DRAIN LOCATIONS. RETRO ROOF DRAINS ARE TO BE PROVIDED FOR ALL EXISTING ROOF DRAIN.

5. ROOFING DETAILS ON THE DRAWINGS ARE INTENDED TO SHOW ROOF MEMBRANE AND FLASHING DETAILING AT VARIOUS TYPES OF ROOF PENETRATIONS. ACTUAL CONDITIONS BELOW THE MEMBRANE ARE SHOWN DIAGRAMMATICALLY. SEE PROJECT SPECIFICATIONS, WALL SECTIONS, AND DETAILS FOR ROOF DECK SUBSTRATE, INSULATION, VAPOR RETARDER, ROOF SUBSTRATE, AND COVER BOARD CONDITIONS.

6. THE CONTRACTOR SHALL AVOID EXCESSIVE LOADING ON THE ROOF IN PLACING & HANDLING MATERIALS & EQUIPMENT. ROOF LOADING DURING CONSTRUCTION SHALL NOT EXCEED A LOAD OF 50 PSF.

7. REMOVE MISC DEVICES SUCH AS CONDUIT, VIDEO SURVEILLANCE & LIGHT FIXTURES AS NECESSARY TO PERFORM ROOFING REPLACEMENT WORK. REINSTALL WHEN COMPLETE. ALL ELECTRICAL WORK TO BE PERFORMED BY A LICENSED ELECTRICIAN.

8. ALL DEMOLITION DEBRIS CHUTES ARE TO BE OF FIRE RESISTIVE MATERIAL. COMBUSTIBLE CHUTES ARE NOT PERMITTED.

9. THE STORAGE OF REMOVED OR EQUIPMENT/ MATERIAL TO BE INSTALLED ON THE ROOF DECK FOR EXTENDED PERIODS IS NOT PERMITTED.

10. CONTRACTOR IS NOT PERMITTED TO REMOVE MORE OF EXISTING ROOF THAN CAN BE REPLACED WATERTIGHT IN THE SAME DAY.

11. EXISTING ROOF SLOPE TO REMAIN, U.O.N.

12. REFER TO ACM REMOVAL DRAWINGS FOR ABATEMENT DETAILS.

PLUMBING GENERAL NOTES:

1. THE PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 PLUMBING CODE OF NEW YORK STATE, 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE, AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

2. DO NOT SHUT DOWN ANY PLUMBING, NATURAL GAS, OR RELATED SYSTEMS WITHOUT BUILDING OWNER'S PRIOR WRITTEN APPROVAL. FOLLOW ALL OWNER REQUIREMENTS AND SHUT DOWN PROCEDURES AS WELL AS ALL REQUIREMENTS OF THIS PROJECT.

3. PROVIDE ALL WORK IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES. OBTAIN ALL REQUIRED PERMITS.

4. PITCH ALL STORM PIPING AS FOLLOWS: PIPING 3" AND SMALLER, PITCH AT 2 PERCENT (1/4" PER FOOT) MINIMUM, PIPING 4" AND LARGER, PITCH AT 1 PERCENT (1/8" PER FOOT) MINIMUM.

5. THE EXISTING PIPING INDICATED ON THESE PLANS SHALL BE VERIFIED IN THE FIELD FOR EXACT LOCATIONS, QUANTITY, AND PIPE SIZES.

6. THE PIPING INDICATED ON THESE PLANS IS DIAGRAMATIC. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, TEES, ELBOWS, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.

7. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL NECESSARY PIPING & PLUMBING FITTINGS, PIPING, MISCELLANEOUS ITEMS REQUIRED FOR A COMPLETE INSTALLATION OF ALL PLUMBING RELATED ITEMS.

8. PLUMBING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY THE STATE AND LOCAL CODE REQUIREMENTS AND PER MANUFACTURER'S RECOMMENDATIONS.

ELECTRICAL GENERAL NOTES:

1. CONTRACTOR SHALL TAKE CARE DURING ROOFING OPERATIONS TO NOT DISTURB THE EXISTING ELECTRICAL SERVICE RISER CONDUIT, WEATHERHEAD, AND SERVICE CONDUCTORS. EXTREME CARE SHALL BE TAKEN WHEN WORKING IN THE VICINITY OF THE ELECTRICAL SERVICE EQUIPMENT.

2. CONTRACTOR SHALL DISCONNECT BRANCH CIRCUIT FROM EXISTING LIGHT FIXTURES IN SPACE FOR CEILING REMOVAL AND ROOF STRUCTURE WORK. UPON COMPLETION OF ROOFING PROJECT CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR HANGING THE EXISTING LIGHT FIXTURES AND RECONNECT TO EXISTING BRANCH CIRCUIT. VERIFY OPERATION OF FIXTURES (BEFORE REMOVAL AND AFTER RE-INSTALLATION) AND REPLACE LAMPS THAT ARE NOT OPERATIONAL. LIGHTING CONTROL SHALL REMAIN AS EXISTING.

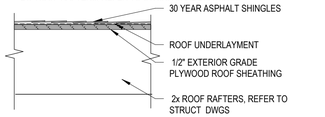
3. ROOF TOP EQUIPMENT: LOCK-OUT/TAG-OUT EXISTING BRANCH CIRCUIT FEEDING EXISTING ROOF TOP EQUIPMENT. DISCONNECT BRANCH CIRCUIT FROM EQUIPMENT, TAKE BELOW ROOF LEVEL, AND COIL FOR REUSE. UPON COMPLETION OF ROOF WORK, RECONNECT EXISTING BRANCH CIRCUIT TO EQUIPMENT AND VERIFY OPERATION.

4. ALL BRANCH CIRCUITS AFFECTED BY THE ROOF REPLACEMENT SHALL BE TRACED BACK TO SOURCE PANEL AND BRANCH CIRCUIT BREAKERS LOCKED-OUT/TAGGED-OUT BEFORE REMOVAL WORK BEGINS.

ROOFING SYSTEM TYPES:

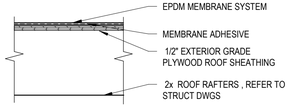
ROOF TYPE A :

- 30 YEAR ASPHALT SHINGLES
- ROOFING UNDERLAYMENT
- 1/2" EXTERIOR GRADE PLYWOOD ROOF SHEATHING
- 2 x ROOF RAFTERS, REFER TO STRUCTURAL DRAWINGS



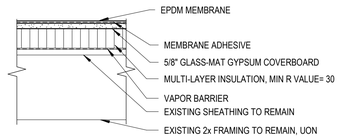
ROOF TYPE B :

- EPDM MEMBRANE SYSTEM
- MEMBRANE ADHESIVE
- 1/2" EXTERIOR GRADE PLYWOOD ROOF SHEATHING
- 2x ROOF RAFTERS, REFER TO STRUCTURAL DRAWINGS



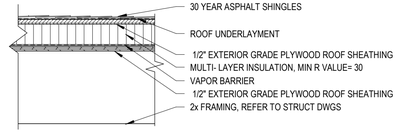
ROOF TYPE C :

- EDPM MEMBRANE
- MEMBRANE ADHESIVE
- 5/8" GLASS- MAT GYPSUM COVERBOARD
- MULTI - LAYER INSULATION, MIN R VALUE =30
- VAPOR BARRIER
- EXISTING SHEATHING TO REMAIN, U.O.N.
- EXISTING 2x FRAMING TO REMAIN



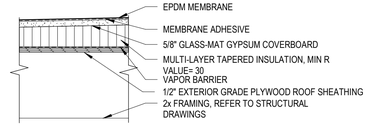
ROOF TYPE D :

- 30 YEAR ASPHALT SHINGLES
- ROOFING UNDERLAYMENT
- 1/2" EXTERIOR GRADE PLYWOOD ROOF SHEATHING
- MULTI - LAYER INSULATION, MIN R VALUE =30
- VAPOR BARRIER
- 1/2" EXTERIOR GRADE PLYWOOD ROOF SHEATHING
- 2x FRAMING, REFER TO STRUCTRUAL DRAWINGS



ROOF TYPE E :

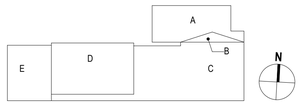
- EDPM MEMBRANE
- MEMBRANE ADHESIVE
- 5/8" GLASS- MAT GYPSUM COVERBOARD
- MULTI - LAYER TAPERED INSULATION, MIN R VALUE =30
- VAPOR BARRIER
- 1/2" EXTERIOR GRADE PLYWOOD ROOF SHEATHING
- 2x FRAMING, REFER TO STRUCTURAL DRAWINGS

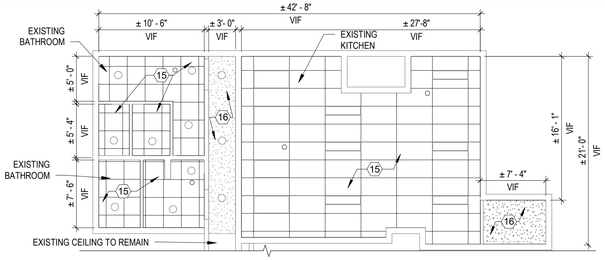


PLAN KEYNOTES:

1. PROVIDE 1/2" PLYWOOD SHEATHING AT AREAS OF PREVIOUS REMOVAL, V.I.F. AND MATCH THE THICKNESS OF EXISTING ADJACENT.
2. PROVIDE PVC PIPING TO CONNECT TO INTERIOR STORM LEADERS. GENERAL CONTRACTOR TO SCOPE , SNAKE AND CHECK FOR LEAKS, THE EXISTING ROOF STORM LEADERS TO DETERMINE SUITABILITY FOR REUSE.
3. PROVIDE AND INSTALL BRICK MASONRY CHIMNEY AND CONC. CAP, REFER TO DETAIL 8 / A501 .
4. PROVIDE AND INSTALL EPDM ROOF SYSTEM, REFER TO ROOF TYPE C.
5. PROVIDE AND INSTALL ASPHALT SHINGLE ROOFING SYSTEM, REFER TO ROOF TYPE D.
6. PROVIDE AND INSTALL ASPHALT SHINGLE ROOFING SYSTEM, REFER TO ROOF TYPE A.
7. PROVIDE FRAMING FOR EPDM CRICKET ROOF AND FLASHING, REFER TO ROOF TYPE B.
8. PROVIDE AND INSTALL ALUMINUM COPING.
9. PROVIDE METAL TERMINATION END AND SEAL AT TRANSITION.
10. PROVIDE ROOF DRAIN INSERT, REFER TO DETAIL 4 / A501.
11. PROVIDE ROOF DRAIN INSERT, REFER TO DETAIL 5 / A501 .
12. PROVIDE AND INSTALL ALUMINUM GUTTER AND DOWNSPOUT.
13. RECONNECT AND REINSTALL EXISTING AIR CONDITIONER CONDENSING UNIT.
14. PROVIDE AND INSTALL R-38 BATT INSULATION BETWEEN CEILING JOISTS.
15. ALTERNATE: PROVIDE AND INSTALL SUSPENDED ACOUSTICAL CEILING TILE SYSTEM. REINSTALL AND RECONNECT SALVAGED LIGHTS, DIFFUSERS AND CEILING MOUNTED FIXTURES.
16. ALTERNATE: PROVIDE AND INSTALL GYPSUM BOARD CEILING SYSTEM, RECONNECT AND REINSTALL SALVAGED LIGHTS, DIFFUSERS AND CEILING MOUNTED FIXTURES.
17. PROVIDE FLOOR SHEATHING THICKNESS TO MATCH EXISTING ADJACENT DECKING.
18. PROVIDE BACKER ROD AND SEALANT AT METAL COPING TERMINATION AND ADJACENT PROPERTY.
19. MODIFY INSULATION IN FIELD TO ALLOW DRAINAGE TO SECONDARY DRAINAGE SCUPPER.
20. TEMPORARILY DISCONNECT AND RECONNECT SCUPPER FOR INSTALLATION OF SCUPPER SLEEVE.
21. CUT, CAP AND SEAL PIPE PENETRATING WALL.
22. PROVIDE AND INSTALL EPDM ROOF SYSTEM, REFER TO ROOF TYPE E.
23. PROVIDE RIDGE VENT.
24. PROVIDE AND INSTALL FLASHING.

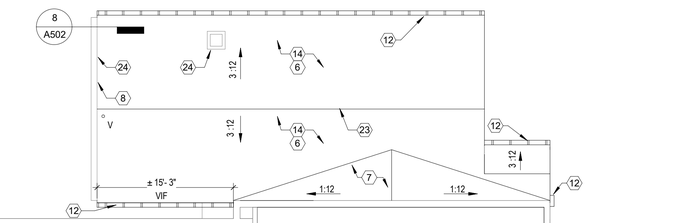
NEW ROOF TYPE DIAGRAM





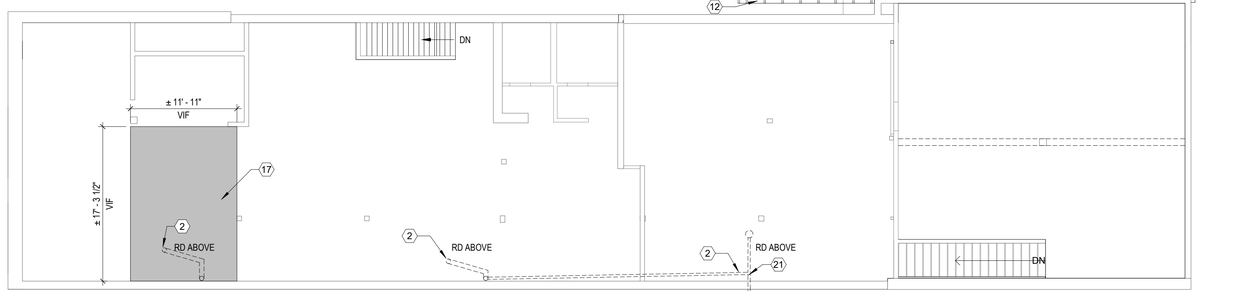
PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA A, ALTERNATE

3 / A101 SCALE: 1/8" = 1'-0"



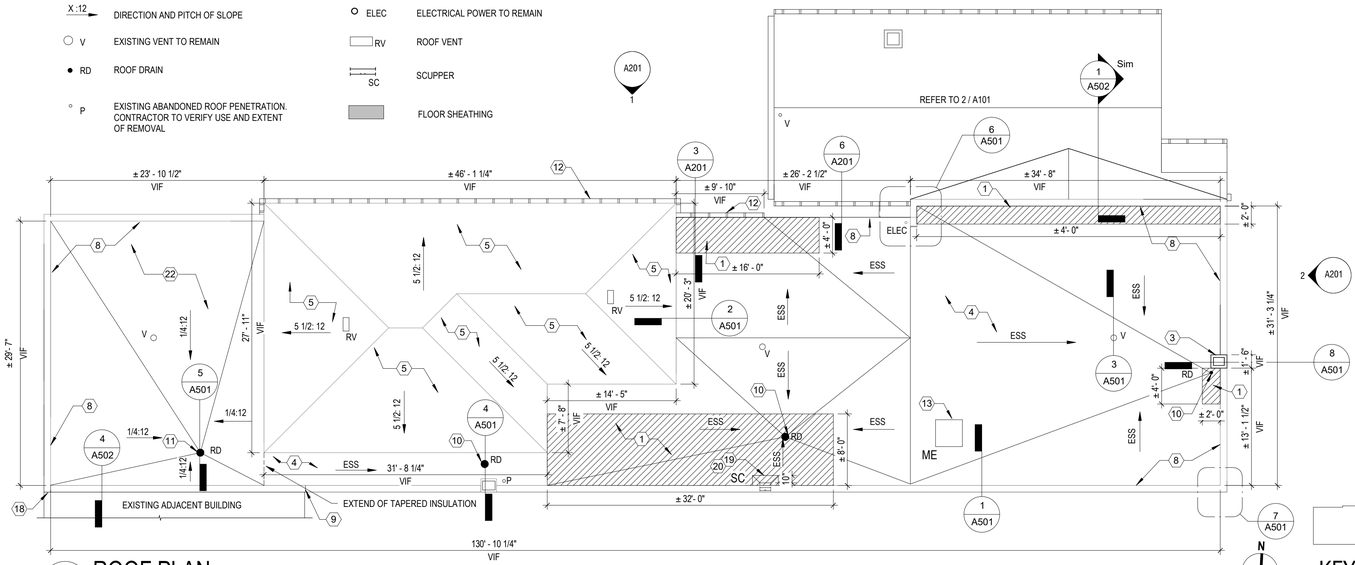
SECOND FLOOR PLAN

2 / A101 SCALE: 1/8" = 1'-0"



NEW WORK LEGEND

ESS	EXISTING DIRECTION OF SLOPED STRUCTURE	ME	MECHANICAL EQUIPMENT, REFER TO RE-ROOF NOTES
X :12	DIRECTION AND PITCH OF SLOPE	ELEC	ELECTRICAL POWER TO REMAIN
V	EXISTING VENT TO REMAIN	RV	ROOF VENT
RD	ROOF DRAIN	SC	SCUPPER
P	EXISTING ABANDONED ROOF PENETRATION. CONTRACTOR TO VERIFY USE AND EXTENT OF REMOVAL		FLOOR SHEATHING



ROOF PLAN

1 / A101 SCALE: 1/8" = 1'-0"

POPLI DESIGN GROUP
374 Delaware Ave., Ste. 304 • Buffalo, NY 14202
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PENFIELD, NEW YORK

REGISTERED ARCHITECT OLGA KISLYUK 041855 STATE OF NEW YORK

EXPIRATION: 2/29/2024

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

PROJECT

441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT

USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE

RE-ROOF GENERAL NOTES, PLUMBING , ELECTRICAL GENERAL NOTES, PLAN KEYNOTES, ROOFING SYSTEM TYPES AND DIAGRAM, LEGEND, PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA A, SECOND FLOOR PLAN, ROOF PLAN

DRAWING NO.		
A101	DRAWN BY	CP
	CHECKED	MHS
	PROJ. MGR.	OK
	PROJ. NO.	23036

ISSUE DATE

09/21/2023

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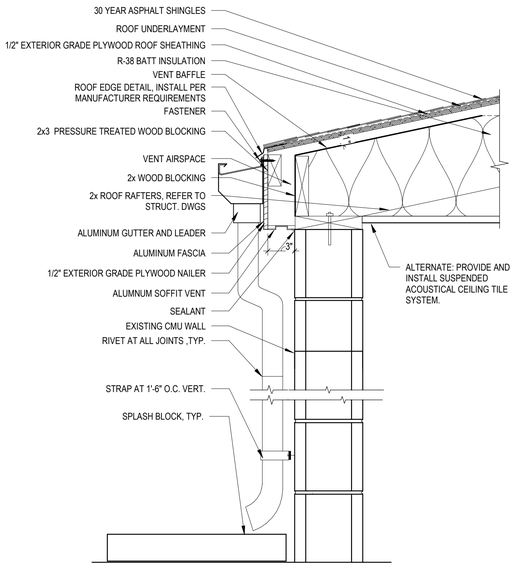
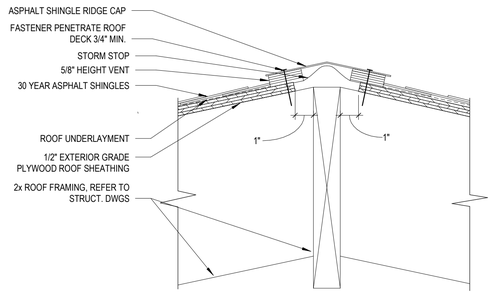
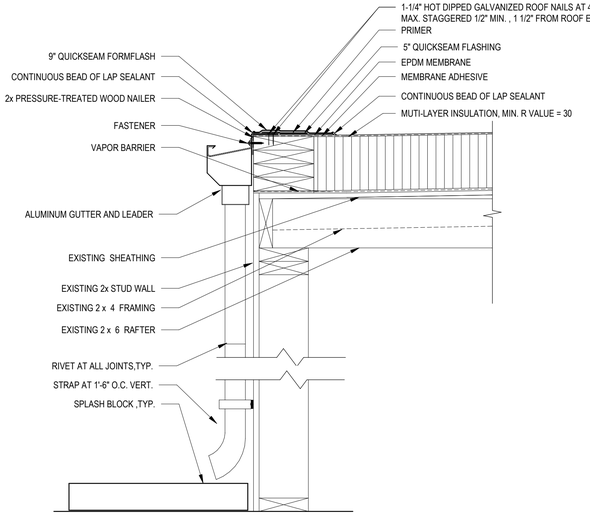


7 / A201 ASPHALT SHINGLE ROOF- A OVERHANG DETAIL
SCALE: 1 1/2" = 1'-0"

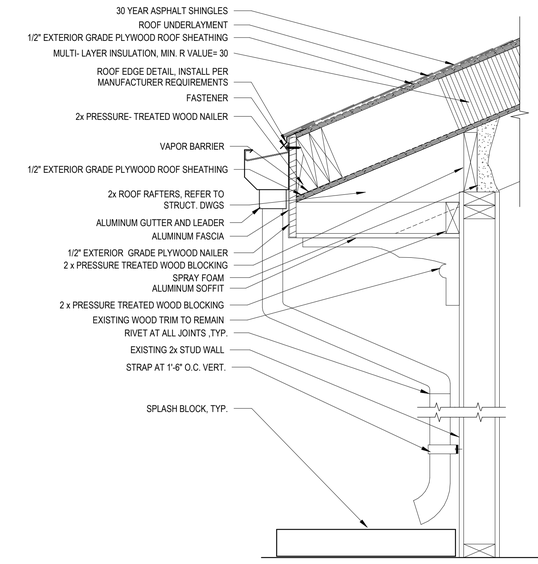


5 / A201 ASPHALT SHINGLE ROOF- A RIDGE VENT DETAIL
SCALE: 3" = 1'-0"

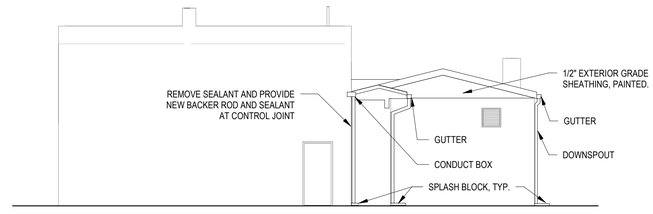


NOTE:
1. ROUND ALL METAL CORNERS AND PLACE BACK OF GUTTER STRAP 1/4" BELOW TOP OF WOOD BLOCKING.
2. DO NOT PRE-NAIL MEMBRANE TO THE FACE OF THE WOOD BLOCKING.
3. FLANGE OF METAL GUTTER MUST BE FULLY SUPPORTED BY WOOD AND TERMINATED AT LEAST 1/2" FROM EDGE OF WOOD.

3 / A201 CONDUCTOR HEAD AND DOWNSPOUT - ROOF C
SCALE: 1 1/2" = 1'-0"



4 / A201 ASPHALT SHINGLE ROOF-D OVERHANG DETAIL
SCALE: 1 1/2" = 1'-0"



2 / A201 EAST ELEVATION
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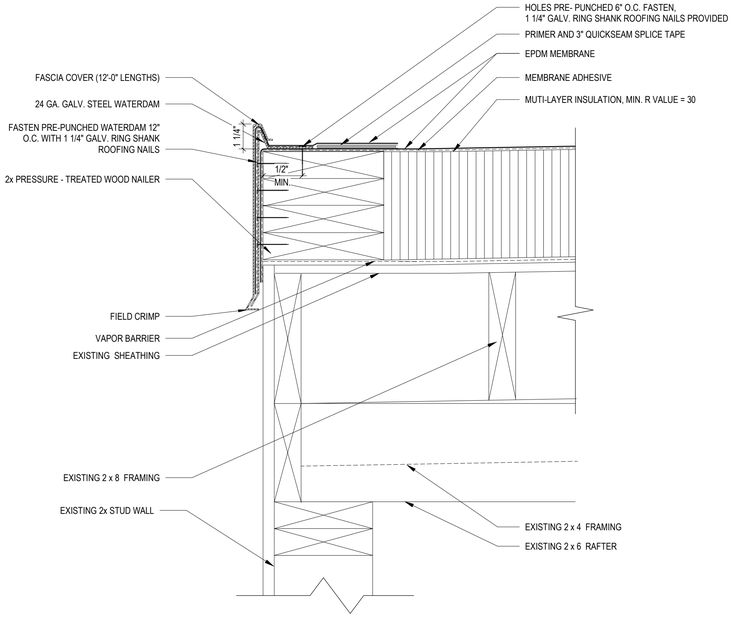
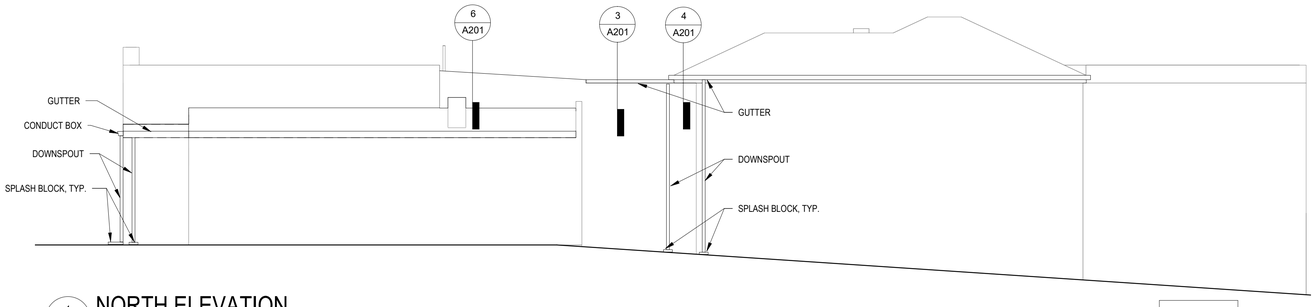


6 / A201 ROOF- C EDGE DETAIL
SCALE: 3" = 1'-0"



1 / A201 NORTH ELEVATION
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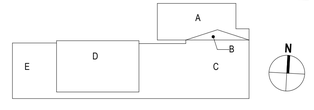

NEW ROOF TYPE DIAGRAM

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PENFIELD, NEW YORK

REGISTERED ARCHITECT
OLGA KISLYUK
041855-1
STATE OF NEW YORK
EXPIRATION: 2/29/2024

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

PROJECT
441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT
USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE
EXTERIOR ELEVATIONS AND ARCHITECTURAL DETAILS

DRAWING NO. A201

DRAWN BY	CP
CHECKED	MHS
PROJ. MGR.	OK
PROJ. NO.	23036

ISSUE DATE
09/21/2023

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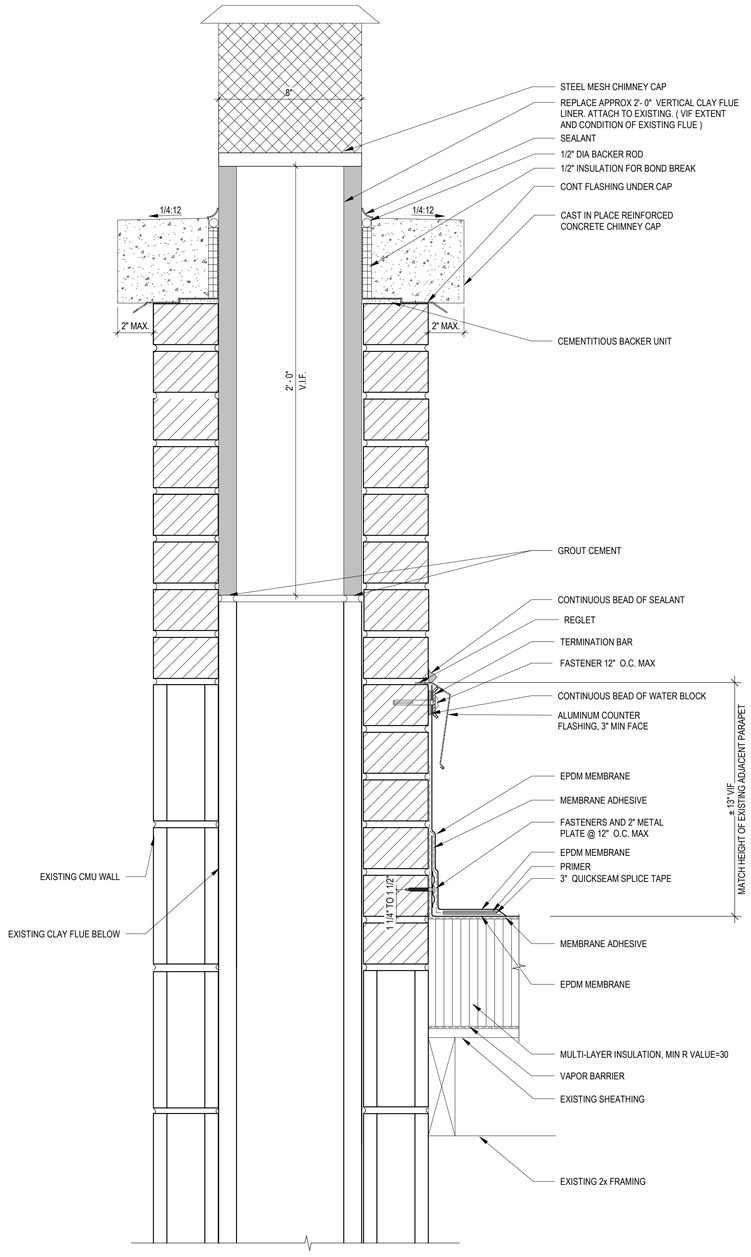
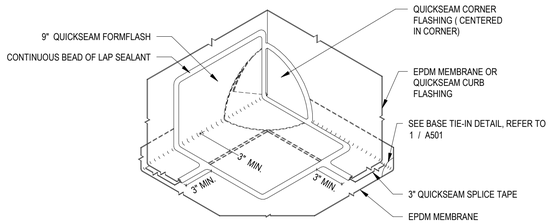


8 A501 TERMINATION DETAIL AT CHIMNEY
SCALE: 3" = 1'-0"



7 A501 TYP. INSIDE CORNER FLASHING DETAIL
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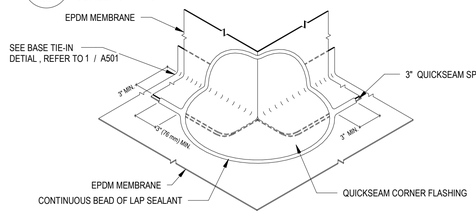
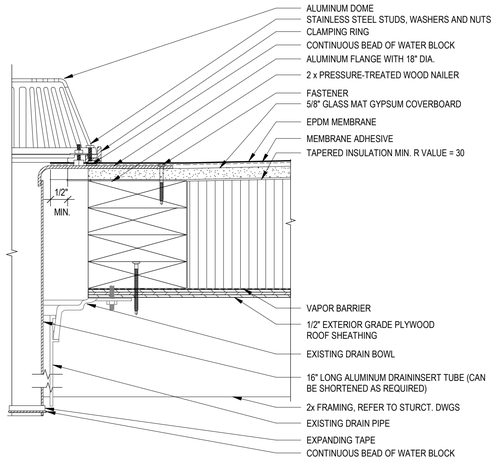


6 A501 TYP. OUTSIDE CORNER FLASHING DETAIL
SCALE: 3" = 1'-0"



5 A501 TYP. ROOF DRAIN INSERT DETAIL - ROOF TYPE E
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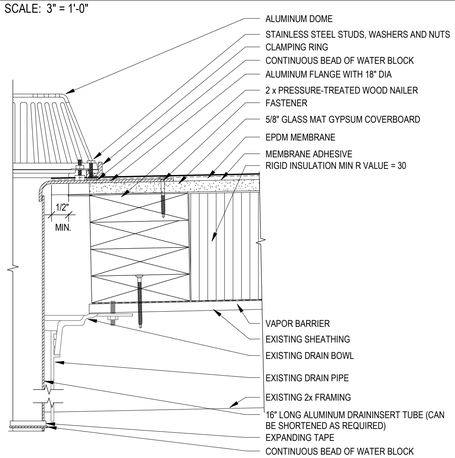
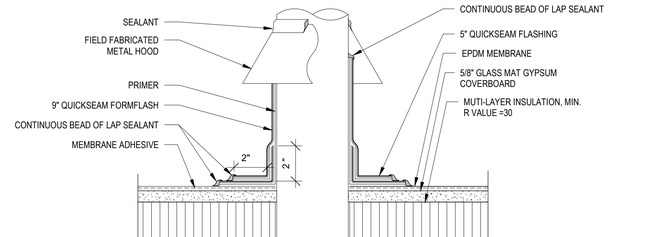
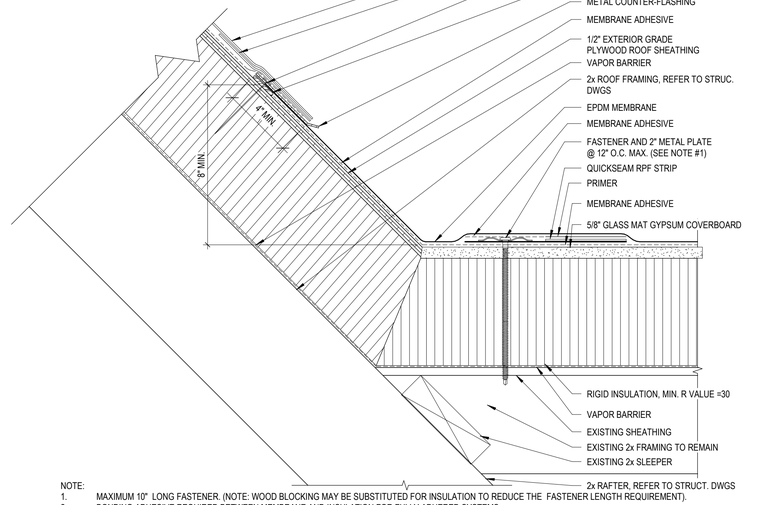


4 A501 TYP. ROOF DRAIN INSERT DETAIL - ROOF TYPE C
SCALE: 3" = 1'-0"



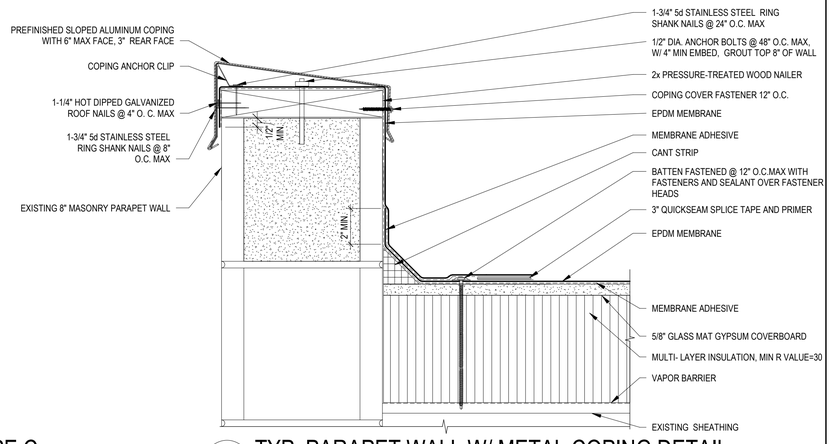
NOTE:
1. REMOVE ALL EXISTING FLASHING, LEAD, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST,GREASE, INSULATION, ETC.
2. PENETRATION MUST BE ANCHORED TO ENSURE STABILITY.
3. APPLY LAP SEALANT AROUND ENTIRE PERIMETER OF FLASHING.
4. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 180 °F (82 °C).

3 A501 TYP. ROOF PENETRATION DETAIL
SCALE: 3" = 1'-0"



NOTE:
1. MAXIMUM 10" LONG FASTENER. (NOTE: WOOD BLOCKING MAY BE SUBSTITUTED FOR INSULATION TO REDUCE THE FASTENER LENGTH REQUIREMENT).
2. BONDING ADHESIVE REQUIRED BETWEEN MEMBRANE AND INSULATION FOR FULLY ADHERED SYSTEMS.

2 A501 TERMINATION AT ASPHALT SHINGLE ROOF
SCALE: 3" = 1'-0"



1 A501 TYP. PARAPET WALL W/ METAL COPING DETAIL
SCALE: 3" = 1'-0"

POPLI DESIGN GROUP
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CERTIFICATE OF AUTHORIZATION 018110

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PENFIELD, NEW YORK

REGISTERED ARCHITECT
OLGA KISLYUK
STATE OF NEW YORK
041855
EXPIRATION: 2/29/2024

DOCUMENT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

PROJECT
441 THIRD STREET ROOF REPLACEMENT
NIAGARA FALLS, NY 14301

CLIENT
USA NIAGARA DEVELOPMENT CORPORATION
222 1ST ST #7,
NIAGARA FALLS, NY 14303

DRAWING TITLE
ARCHITECTURAL DETAILS

DRAWING NO. A501

DRAWN BY	CP
CHECKED	MHS
PROJ. MGR.	OK
PROJ. NO.	23036

ISSUE DATE
09/21/2023

9/21/2023 10:13:00 PM

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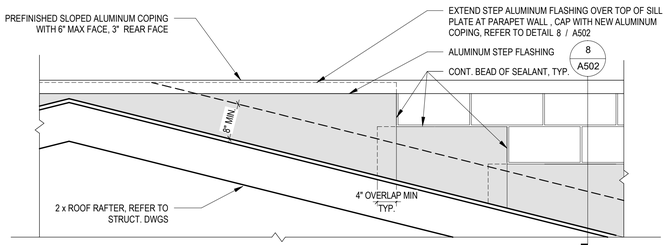
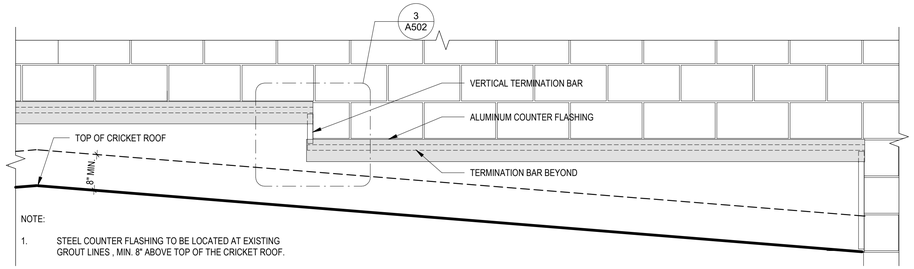


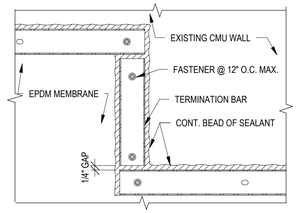
9 A502 STEP FLASHING ELEVATION

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



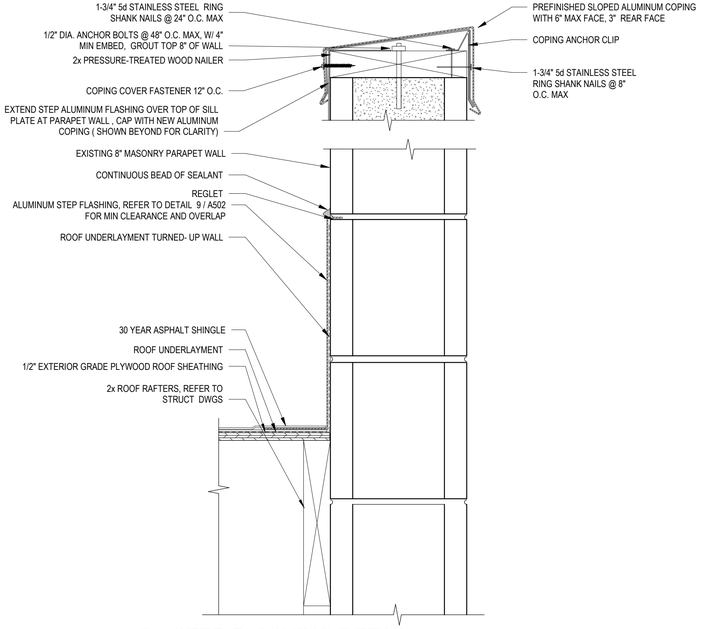
6 A502 TYP. STEP FLASHING DIAGRAM

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



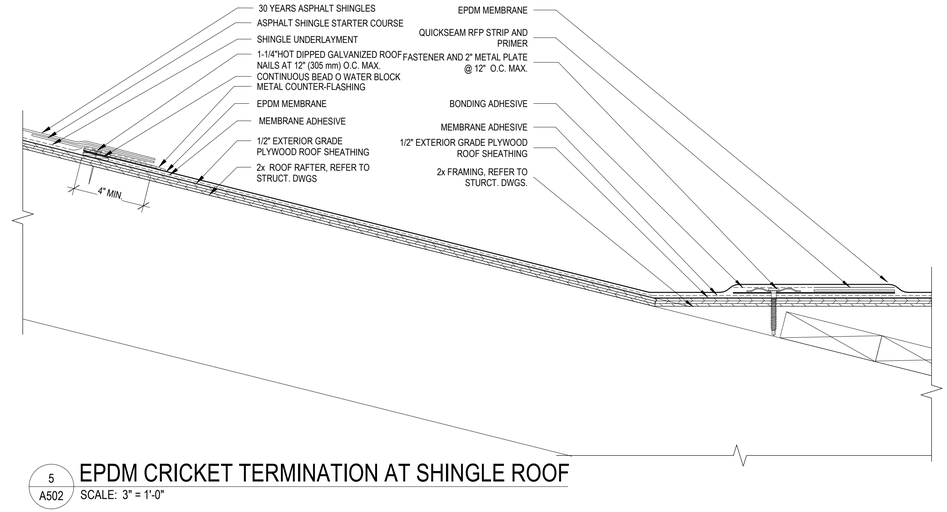
3 A502 TERMINATION BAR ELEVATION CHANGE DETAIL

SCALE: 3" = 1'-0"



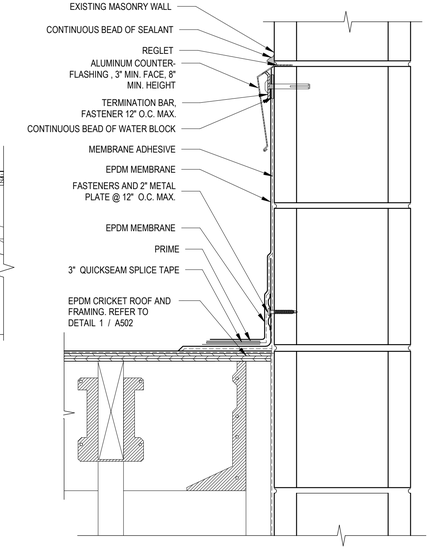
8 A502 STEP FLASHING DETAIL

SCALE: 3" = 1'-0"



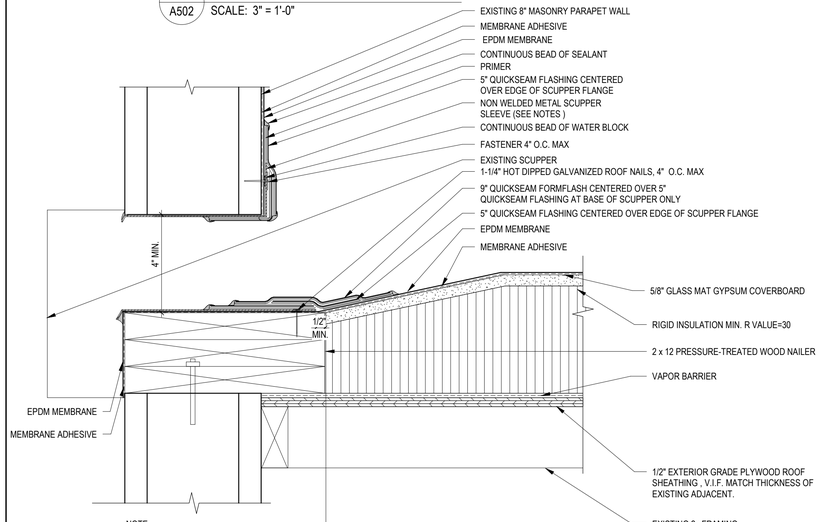
5 A502 EPDM CRICKET TERMINATION AT SHINGLE ROOF

SCALE: 3" = 1'-0"



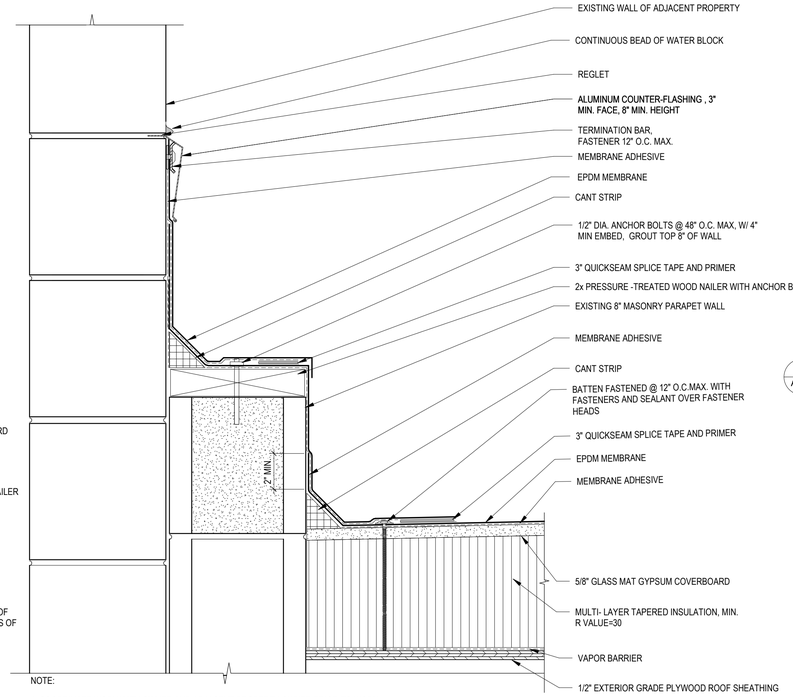
2 A502 TYP. CRICKET ROOF FLASHING DETAIL

SCALE: 3" = 1'-0"



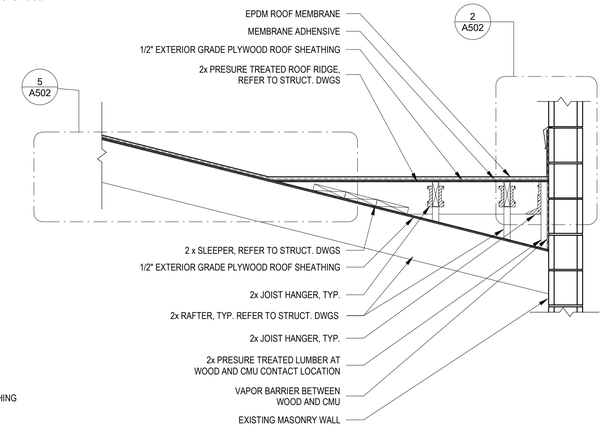
7 A502 SCUPPER DETAIL

SCALE: 3" = 1'-0"



4 A502 TERMINATION DETAIL TO ADJACENT BUILDING

SCALE: 3" = 1'-0"



1 A502 CRICKET ROOF FRAMING DETAIL

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

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