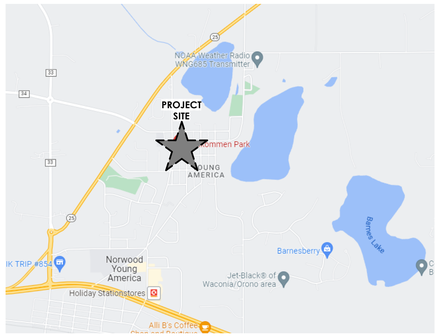
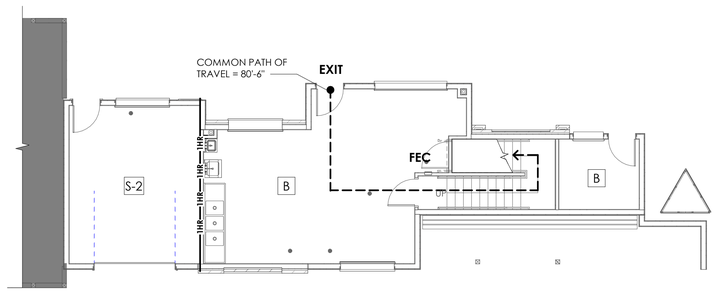
OLD TOWN CONCESSIONS
NEW BUILDING



1 A000 LOCATION MAP
NOT TO SCALE

N

2 A000 RENDERING
NOT TO SCALE



3 A000 FIRST FLOOR - LIFE SAFETY PLAN
1/8" = 1'-0"

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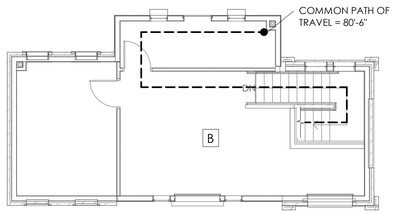

4 A000 UPPER LEVEL - LIFE SAFETY PLAN
1/8" = 1'-0"

N

NOTE TO BIDDERS

1. DEMOLITION TO START AUGUST 30, 2023
2. GENERAL CONTRACTORS TO OBTAIN BIDS FROM THE FOLLOWING SUB CONTRACTORS IN ADDITION TO YOUR CHOSEN SUBS:

DIVERSIFIED PLUMBING CONTACT: COLIN KING PHONE: (952) 232-1654	HILGERS PLUMBING, HEATING, & AC CONTACT: LENNY HILGERS PHONE: (952) 486-3342
NORWOOD ELECTRIC CONTACT: BILL GRUNDAHL PHONE: (952) 992-9107	JENSEN DECORATIVE CONCRETE CONTACT: DEREK JENSEN PHONE: (952) 210-2692
ADVANCED ELECTRICAL SERVICES CONTACT: DUSTIN MACKENTHUN PHONE: (952) 847-0001	HENNING EXCAVATION CONTACT: DENNIS HENNING PHONE: (612) 709-0736
METRO AIR CONTACT: TERRY ZELLMANN PHONE: (612) 965-6705	CONTACT: RYAN HENNING PHONE: (952) 212-2180
SCHNEIDER EXCAVATING CONTACT: ROSS SCHNEIDER PHONE: (952) 467-2659	XTREME ELECTRIC CONTACT: BRANDON STENDER PHONE: (952) 466-5777
KOHL'S FOAM SYSTEM CONTACT: JON KOHLS PHONE: (612) 708-4100 CONACT: PAT KOHLS PHONE: (612) 708-4111	EXPERT CONSTRUCTION PHONE: (612) 221-4501 (952) 467-2622 EXPERTFLOORCOATING.COM

NOTE TO MEP CONTRACTORS

1. ALL MECHANICAL/ELECTRICAL/PLUMBING TO BE DESIGN BUILD AND INCLUDE THE FOLLOWING:
   - PROVIDE MINI SPLIT SYSTEM FOR HEATING.
   - PLUMBING/ELECTRICAL/VENTING TO BE COORDINATED W/ OWNER.

APPLICABLE CODES

GOVERNING CODES: 2018 INTERNATIONAL BUILDING CODE 2020 MINNESOTA STATE BUILDING CODE (W/ AMENDMENTS) 2020 MINNESOTA ACCESSIBILITY CODE 2009 ICC/ANSI A117.1 2018 INTERNATIONAL ENERGY CODE (IECC) W/ 2020 MSBC AMENDMENTS	2012 LIFE SAFETY CODE - NFPA 101 2018 INTERNATIONAL FIRE CODE 2020 MN STATE FIRE CODE 2020 MN STATE PLUMBING CODE 2020 MN STATE MECHANICAL CODE 2020 NATIONAL ELECTRICAL CODE (NEC)

OCCUPANCY REQUIREMENTS

Building Info:

BUILDING CLASSIFICATION:	NON-SEPARATED
BLDG CONSTRUCTION TYPE:	V-B
SPRINKLER SYSTEM:	NONE
OCCUPANCY TYPE:	B/ S-2
ADJ. TENANT OCCUPANCY:	NONE
OCCP. SEPARATION REQ'D:	1 HOUR

Space	Description	Sq. Ft.	Occupants
BUSINESS	MAIN LEVEL	854	6
S.F. / 150			
BUSINESS	UPPER LEVEL	602	5
S.F. / 150			
	TOTAL SQUARE FOOTAGE:	1456	
	TOTAL OCCUPANTS:		10

CODE REVIEW

EXITS REQUIRED: (PER IBC TABLE 1006.3.2)	1
EXITS PROVIDED:	1
DIAGONAL LENGTH: (PER IBC 1007.1.1)	SEE PLAN
DISTANCE REQUIRED: (1/3 DIAGONAL LENGTH)	
DISTANCE PROVIDED:	SEE PLAN
MAX. ALLOWED COMMON PATH OF EGRESS TRAVEL:	100'
(PER IBC TABLE 1006.2.1)	
ACTUAL COMMON PATH OF EGRESS TRAVEL:	80'-11"
MIN. REQ'D. EXIT WIDTH: (PER IBC 1005.1) OCCUPANTS X .3	3"
ACTUAL EXIT WIDTH: # OF DOORS X 34"	34"
MAXIMUM DEAD END CORRIDOR: (PER IBC 1020.4 EXP 2)	50'
MAXIMUM DEAD END AISLE: (PER IBC 1018.3)	30'
CORRIDORS RATING: (PER IBC TABLE 1020.1)	N/A

ZONING REQUIREMENTS

ZONING DISTRICT	P-1 PARKS/OPEN SPACE
USE	BUSINESS

BUILDING REQUIREMENTS

ALLOWABLE BUILDING AREA	B: 9,000 / S-2: 13,500
ACTUAL BUILDING AREA - CONCESSIONS	1,456 SF
TOTAL BUILDING AREA:	1,456 SF
ALLOWABLE BUILDING HEIGHT	40'
ACTUAL BUILDING HEIGHT	32'

PROJECT CONTACT LIST

CLIENT

CITY OF NORWOOD YOUNG AMERICA
CONTACT: ANDREA AUKRUST
ADDRESS: 310 ELM STREET WEST, PO BOX #59, NORWOOD YOUNG AMERICA, MN 55397
EMAIL: CITYADMIN@CITY OFNYA.COM
PHONE: (952) 467- 1805

ARCHITECT

KAEDING ARCHITECTURE
CONTACT: JENNIFER KAEDING
ADDRESS: 235 WEST MAIN STREET, SUITE 201, WACONIA, MN 55387
EMAIL: JKAEDING@KAEDINGARCH.COM
PHONE: (952) 451-9763

INTERIOR DESIGNER

KAEDING ARCHITECTURE
CONTACT: KIRA STREY
ADDRESS: 235 WEST MAIN STREET, SUITE 201, WACONIA, MN 55387
EMAIL: KSTREY@KAEDINGARCH.COM

STRUCTURAL ENGINEER

KOMA
CONTACT: MATTHEW VAN HOOF
ADDRESS: 2051 KILLIBREW DRIVE, SUITE 680, BLOOMINGTON, MN 55425
EMAIL: MVANHOOF@KOMAINC.CP,
PHONE: (651) 789-4129

SHEET INDEX

KAEDING ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

OLD TOWN CONCESSIONS
NEW BUILDING

WILLKOMMEN
MEMORIAL PARK
13 SE 1ST AVE
NORWOOD YOUNG
AMERICA, MN 55397

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

JENNIFER KAEDING, AIA
51456 — REGISTRATION #
4/12/23 — DATE

ISSUE RECORD:

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PROJECT: OLD TOWN CONCESSIONS
DATE: 04/12/23
DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
LOCATION MAP, BUILDING KEY, LIFE SAFETY PLAN, CODE REVIEW

SHEET NUMBER:
N
A000

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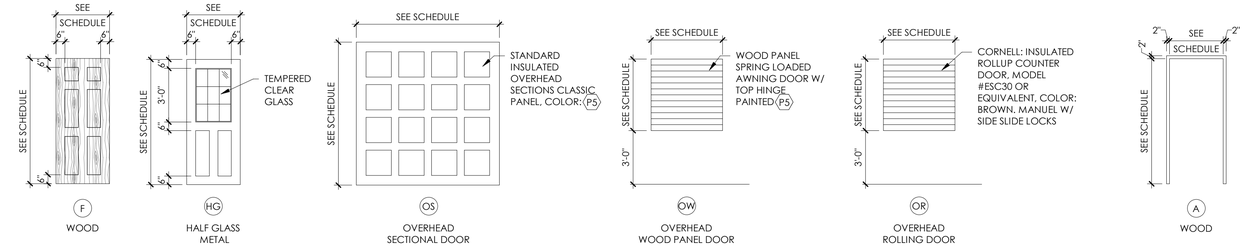
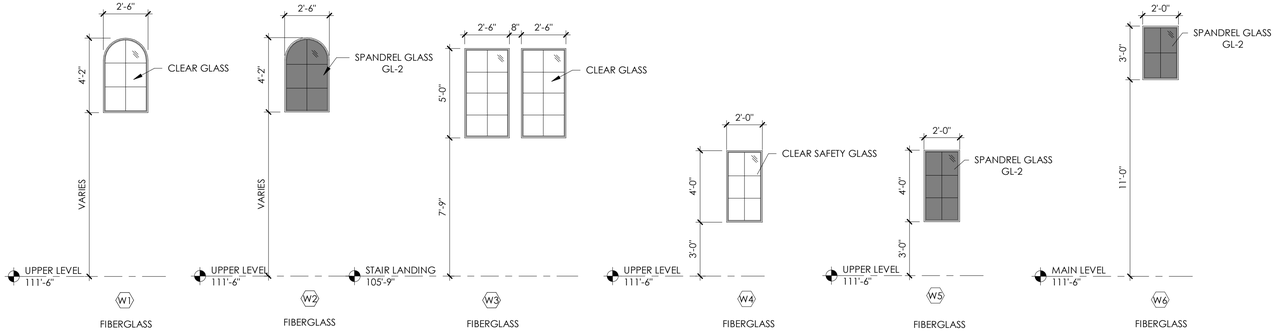


1 A001 DOOR TYPES
1/4" = 1'-0"

2 A001 FRAME TYPES
1/4" = 1'-0"



3 A001 WINDOW TYPES
1/4" = 1'-0"

DOOR & FRAME GENERAL NOTES

1. REPAIR EXISTING CONSTRUCTION AS REQUIRED FOLLOWING DEMOLITION AND THE INSTALLATION OF NEW DOOR AND FRAME.
2. PROVIDE INTERNAL TOP STILE BLOCKING TO RECEIVE SURFACE-APPLIED MAGNETIC DOOR HOLDER.
3. PAINT EXISTING DOOR FRAMES - COLOR SELECTED BY DESIGNER. EXISTING DOOR AND LEVER HARDWARE TO REMAIN.
4. ALL DOOR HARDWARE SHALL BE COMMERCIAL GRADE. LEVER HANDLE HARDWARE LOCK SETS AND LATCH SETS ARE INDICATED ON PLANS. A COMPLETE KEYING SCHEDULE SHALL ALSO BE PROVIDED AND COORDINATED BETWEEN GENERAL CONTRACTOR AND TENANT.
5. ALL NEW INTERIOR WOOD DOORS SHALL BE CONSTRUCTED ACCORDING TO AWI PC5 STANDARDS.
6. DOORS TO CONFORM TO INTERNATIONAL BUILDING CODE (IBC) 2012 EDITION, 2012 INTERNATIONAL FIRE CODE AND 2012 HEALTHCARE FACILITIES CODE NFPA99 (IF APPLICABLE).
7. CONTRACTOR TO INCLUDE DOCUMENTATION FOR UL-10C OR OTHER IBC APPROVED TESTING AGENCY STATING DOORS HAVE PASSED IBC SECTION 714.
8. PROVIDE CATEGORY "A" INTUMESCENT FIRE AND SMOKE MATERIAL FOR FIRE RATED OPENINGS AS REQUIRED BY DOOR AND FRAME MANUFACTURER TO COMPLY WITH UL-10C.

DOOR HARDWARE SETS

H-1	PASSAGE LATCH	H-2	OFFICE LOCK
	LEVER LATCHSET SCHLAGE AL SERIES (OR EQUAL) WALL STOP 1 1/2 PAIR BUTTS MUTES		LEVER LOCKSET SCHLAGE AL SERIES (OR EQUAL) WALL/OVERHEAD STOP 1 1/2 PAIR BUTTS MUTES
H-10	KEY PAD ELECTRONIC LOCK		
	EXIT DEVICE - VON DUPRIN 35 A SERIES PULL - IVES 8190 SCHLAGE CO-100 (OR EQUAL) CLOSER WALL STOP LATCH GUARD THRESHOLD (MILL) WEATHER-STRIPPING RAIN DRIP DOOR SWEEP 1 1/2 PAIR BB BUTTS MUTES		

DOOR & FRAME SCHEDULE

NO.	DOOR SIZE W	DOOR SIZE H	DOOR TYPE	DOOR HDWR	FRAME TYPE	MISC RATING	MISC NOTES
FIRST FLOOR							
100	3'-0"	7'-0"	HG	H-10	A		1
101	3'-0"	7'-0"	HG	H-10	A		2
101A	3'-0"	7'-0"	F	H-1	A		5
102	3'-0"	7'-0"	F	H-1	A		
103	3'-0"	7'-0"	HG	H-10	A		3
OR100	6'-0"	4'-0"	OR	-	-		
OR101A	6'-0"	4'-0"	OR	-	-		
OR101B	8'-0"	4'-0"	OR	-	-		
OS100	9'-0"	8'-0"	OS	-	-		
OW101C	6'-0"	4'-0"	OW	-	-		6
OW103	3'-4"	4'-0"	OW	-	-		6
SECOND FLOOR							
201	3'-0"	7'-0"	F	H-10	A		
202	3'-0"	7'-0"	F	H-10	A		
202A	3'-0"	7'-0"	HG	-	A		2,4
OW200	5'-0"	4'-0"	OW	-	-		6
OW200A	5'-0"	4'-0"	OW	-	-		6

NOTES

1. DOOR TO BE PAINTED P2
2. DOOR TO BE PAINTED P3
3. DOOR TO BE PAINTED P4
4. DOOR TO BE PERMANENTLY LOCKED. NO HARDWARE.
5. PROVIDE A CLOSER.
6. DOOR TO BE SPRING LOADED FOR CLOSING SAFETY.

HARDWARE SPECIFICATIONS

DOORS

1. ALL INTERIOR WOOD DOORS TO BE RESIDENTIAL MDF CORE WITH MATCHING EDGES. CUT: (PLAIN SLICED), SPECIES: (MAPLE), MATCH: (BOOK), FINISH: STAINED TO MATCH VT INDUSTRIES - CHOCOLATE CH18
2. ALL INTERIOR METAL DOORS TO BE 18 GAUGE COLD-ROLLED STEEL U.N.O.
3. ALL EXTERIOR METAL DOORS TO BE 16 GAUGE GALVANNEALED STEEL WITH SEALED TOPS U.N.O.
4. ALL ALUMINUM DOORS TO BE ANNODIZED U.N.O.
5. ALL SWING DOOR PANELS TO BE 1-3/4" THICK, U.N.O.
6. ALL SLIDING DOOR PANELS TO BE 1-3/8" THICK, U.N.O.
7. ALL RATED DOORS TO BE LABELED AS A "SMOKE & DRAFT CONTROL DOOR" AND SHALL MEET THE REQUIREMENTS OF UL1784. DOOR SHALL BE TESTED USING NFPA 252.

FRAMES

1. ALL HOLLOW METAL FRAMES TO BE 16 GAUGE PREPARED FOR 1-3/4" THICK DOORS U.N.O. FRAMES SHALL BE MORTISED AND REINFORCED AS REQUIRED FOR SPECIFIED HARDWARE. PROVIDE A MINIMUM OF THREE ANCHORS PER JAMB.
2. ALL HOLLOW METAL FRAMES TO BE WELDED AND GROUND SMOOTH U.N.O.
3. PRIME ALL HOLLOW METAL FRAMES AND PREPARE FOR PAINT FINISH.
4. ALL 45 MINUTE FIRE-RATED SIDELIGHTS TO HAVE A MAXIMUM AREA OF 1,296 SQ. IN. (54"H. X 54"W.). ALL RATED SIDELIGHTS ARE REQ'D TO BE TEMPERED GLAZING AND MEET NFPA 257 TESTING.

FINISH HARDWARE

1. LEVER LOCKS AND LATCHES: SCHLAGE OR SARGENT - NEPTUNE/ SPARTA (OR EQUIVALENT).
2. BUTTS: HAGER OR STANLEY EQUIPPED AS FOLLOWS:
   - EXTERIOR DOORS: (3) BUTTS WITH NON-REMOVEABLE PINS
   - DOORS UP TO 7'-6" HIGH: (3) BUTTS
   - DOORS OVER 7'-6" HIGH OR 3'-6" WIDE: (4) BUTTS
   - EXTERIOR, LABELED AND/OR DOORS WITH CLOSERS: BALL BEARING BUTTS
3. TRIM: BURNS, HAGER OR HIAWATHA
4. STOPS/HOLDERS: BURNS, HAGER, HIAWATHA OR IVES
   - PROVIDE WALL MOUNTED STOPS AT ALL DOORS WHERE POSSIBLE. MATCH DOOR HARDWARE.
5. CLOSERS: LCN
6. STRIPS, THRESHOLDS, SWEEPS: NATIONAL GUARD, PEMKO OR REESE
7. BI-FOLD/SLIDING DOORS: PROVIDE COMPLETE TRACK AND GUIDE SYSTEM FOR ALL DOORS. HANGERS SHALL CONSIST OF ADJUSTABLE NYLON ROLLERS. PULLS TO BE WIRE TYPE U.N.O.
8. FINISH: ALL HARDWARE TO BE SATIN CHROME U.N.O.
9. ALL LOCKS TO BE KEYED PER OWNER/TENANT'S SPECIFICATIONS.

NO SUBSTITUTIONS WITHOUT PRIOR APPROVAL.

WINDOW FRAME & GLASS TYPES

- EXTERIOR WINDOW ASSEMBLIES TO BE 1" INSULATED GLAZING SET IN VINYL FRAME
  COLOR: BROWN
- GL-1: 1" INSULATED CLEAR, LOW E #2, TYP (U.N.O.)
- GL-2: 1" SPANDREL GLASS
- ALL EXTERIOR METAL DOORS TO BE 16 GAUGE GALVANNEALED STEEL WITH SEALED TOPS U.N.O.
- GL-1 CHARACTERISTICS
  BASIS OF DESIGN: MARVIN WINDOWS OR EQUIVALENT
  U-VALUE .29
  SHGC .29 OR BETTER
  TRANSMITTANCE .62 OR BETTER

KAEDING ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

OLD TOWN CONCESSIONS
NEW BUILDING

WILLKOMMEN
MEMORIAL PARK
13 SE 1ST AVE
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DATE: 04/12/23
DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
DOOR SCHEDULE/DOOR, FRAME & WINDOW TYPES

SHEET NUMBER:
A001

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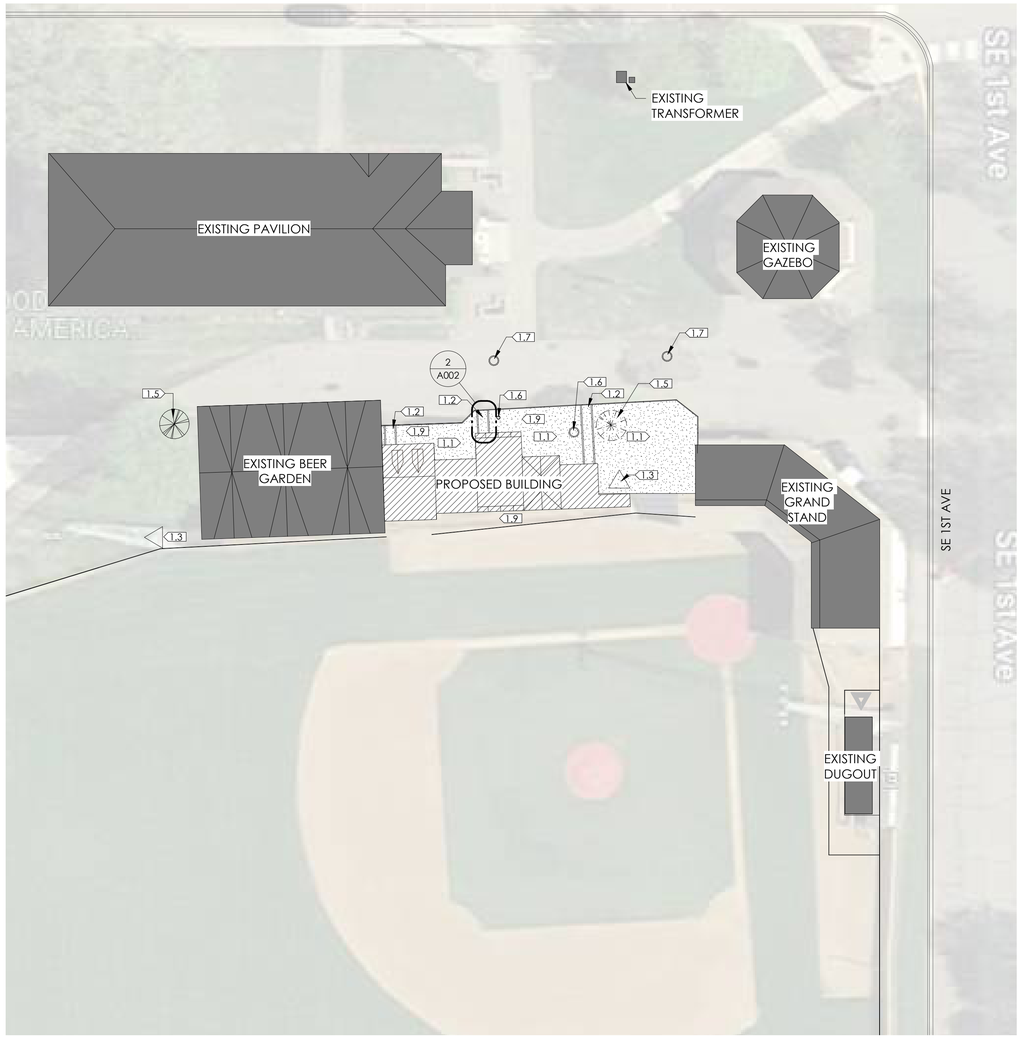
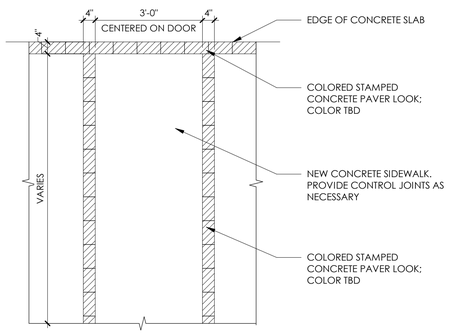


1 A002 ARCHITECTURAL SITE PLAN
1" = 20'-0"



2 A002 ENLARGED SIDE WALK
1/2" = 1'-0"

ARCHITECTURAL SITE PLAN GENERAL NOTES

1. CONTRACTOR SHALL PLOT AND STAKE OUT ENTIRE NEW BUILDING PRIOR TO THE START OF EXCAVATION. NOTIFY ARCHITECT OF ANY DISCREPANCY BETWEEN SITE PLAN AND IN FIELD WORK.
2. ALL EXCAVATED SOIL, NOT SUITABLE FOR ENGINEERED FILL, MAY BE SAVED FOR USE AS SITE GRADING MATERIAL.
3. CONTRACTOR SHALL USE CONTOURS AS A GUIDE. EXACT DRAINAGE SHALL BE DETERMINED IN FIELD WITH ARCHITECT. ALL DRAINAGE SHALL BE AWAY FROM BUILDING TO NATURAL FLOW.
4. VERIFY FENCING REQUIREMENTS WITH GENERAL CONTRACTOR.
5. LOCATE EXISTING UTILITIES PRIOR TO ANY WORK.
6. COORDINATE EXISTING UTILITIES WITH MECHANICAL AND ELECTRICAL.
7. REMOVE **NO** TREES WITHOUT OWNERS' WRITTEN PERMISSION U.O.N.
8. PATCH BACK IN BITUMINOUS TO MATCH EXISTING REQUIRED.
9. FIGURED DIMENSIONS SHALL BE FOLLOWED IN PREFERENCE TO SCALED MEASUREMENTS. DIMENSIONS ON THE DRAWINGS ARE SUBJECT TO FIELD VERIFICATION TO SUIT ADJACENT ELEMENTS.
10. MINIMUM SLOPE FOR PAVING (BITUMINOUS) = 1%. CONCRETE PAVERS AND CONCRETE = 2%. MAXIMUM CROSS SLOPE OF WALKWAYS = 2%. MAXIMUM GRADE FOR SODDED OR SEEDED AREAS: 1:3

SITE PLAN KEYED NOTES

1.1	NEW CONCRETE SIDEWALK TO REPLACE EXISTING. REGRADE SITE TO REQUIRED SLOPE FOR DRAINAGE AWAY FROM BUILDING
1.2	COLORED STAMPED CONCRETE PAVER BORDER AND ALONG ENTRY TO MATCH EXISTING. SEE 2/A002
1.3	EXISTING LIGHT POLE TO REMAIN
1.4	NOT USED
1.5	DEMO EXISTING TREE
1.6	EXISTING STORM SEWER CATCH BASIN
1.7	EXISTING WATER MAIN CATCH BASIN
1.8	NOT USED
1.9	CONTRACTOR TO REGRADE SITE TO NEW ELEVATION TO MEET ADA REQUIREMENTS

KAEDING ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
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DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
ARCHITECTURAL SITE PLAN

SHEET NUMBER:
A002

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PROJECT GENERAL NOTES

ARCHITECTURAL

1. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED PROJECT. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE MEANS OR METHOD OF CONSTRUCTION.
2. THE CONTRACTOR SHALL OBTAIN SUFFICIENT LIABILITY INSURANCE TO COVER WORKMAN'S COMPENSATION, GENERAL LIABILITY AND CONTRACTUAL LIABILITY. A COPY SHALL BE FILED WITH THE OWNER.
3. THE CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS AS REQUIRED BY THE CONSTRUCTION DOCUMENTS AND IN FULL ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
4. THE CONTRACTOR WILL MAINTAIN BUILDER'S RISK INSURANCE ON THE FORM KNOWN AS "ALL RISK" OR " MULTIPLE PERIL." THE CONTRACTOR, ALL SUBCONTRACTORS, ARCHITECTS AND ENGINEERS SHALL BE INCLUDED IN EACH CAPACITY AS INSURED JOINTLY WITH THE OWNER IN ALL POLICIES.
5. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND FIELD CONDITIONS PRIOR TO ANY DEMOLITION, FABRICATION, CONSTRUCTION OR INSTALLATION AND WILL NOTIFY THE ARCHITECT IF CONDITIONS, MATERIALS, SIZES AND/OR DIMENSIONS ARE DIFFERENT FROM THOSE SHOWN.
6. CROSS REFERENCE ALL DIMENSIONS AND DETAILS WITH STRUCTURAL, CIVIL, MECHANICAL AND ELECTRICAL DRAWINGS BEFORE COMMENCING ANY FABRICATION AND/ OR CONSTRUCTION.
7. CONTRACTORS SHALL INSTALL ALL MANUFACTURED ITEMS, MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS EXCEPT WHERE THE SPECIFICATIONS HEREIN, ARE MORE STRINGENT AND SHALL BE COMPLIED WITH.
8. MATERIALS WHICH ARE SHOWN ON THE DRAWINGS AND WHICH MAY NOT BE SPECIFICALLY DESCRIBED IN THE SPECIFICATIONS OR DRAWINGS, SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE SUITABLE FOR THE INTENDED USE. MATERIALS SHALL BE IN HARMONY WITH ADJACENT MATERIALS, AND SHALL BE SUBJECT TO REVIEW FOR CONFORMANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS. WHERE INSTALLATION TECHNIQUES ARE NOT SPECIFIED, THEY SHALL BE IN ACCORDANCE WITH MANUFACTURER'S CURRENT INSTRUCTION AND INDUSTRY STANDARDS.
9. SHOP DRAWINGS PREPARED BY SUPPLIERS, SUBCONTRACTORS, ETC. SHALL BE REVIEWED, COORDINATED, AND SIGNED BY GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT/ ENGINEER.
10. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMIT, LICENSES AND CERTIFICATES AND PAY ALL FEES CONNECTED THEREWITH THE ABOVE REFERENCED PROJECT.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE ALL SURFACES FOR PROPER INSTALLATION OF FINISHES. THIS IS TO INCLUDE, BUT IS NOT LIMITED TO: PATCHING, SANDING, FLOOR LEVELING, PRIMING, SEALING, SKIM COATING, ETC.
12. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM WASTE MATERIAL OR RUBBISH CAUSED BY THEIR WORK.
13. THE CONTRACTOR SHALL MINIMIZE ANY DAMAGE TO EXISTING CONSTRUCTION AND AREAS ON THE SITE OUTSIDE OF THE CONSTRUCTION LIMITS. CONTRACTOR TO CONSTRUCT TEMPORARY WALLS AND BARRIERS AS REQUIRED TO CONTAIN DUST AND DEBRIS AND TO PROVIDE SAFE PUBLIC ACCESS AND PASSAGE.
14. THE GENERAL CONTRACTOR SHALL LOCATE ALL NEW MECHANICAL UNITS OR RELOCATE ANY EXISTING UNITS OR ITEMS THAT CONFLICT WITH NEW OR EXISTING FRAMING AND FULL HEIGHT WALLS. THIS INCLUDES ACCESS FOR ALL CONTROLS, FILTERS, ETC. THIS WORK MUST BE COORDINATED AND VERIFIED PRIOR TO BIDDING.
15. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY WITH THE RESPECTIVE TRADES THE SIZES AND LOCATIONS OF MECHANICAL AND/ OR ELECTRICAL PENETRATIONS, LOCATIONS OF FIRE-TREATED BACKING/ BLOCKING REQUIRED FOR MOUNTING ELECTRICAL AND/ OR MECHANICAL EQUIPMENT, AS WELL AS CUTTING AND PATCHING FOR WORK REQUIRED BY MECHANICAL/ ELECTRICAL.
16. WHEN WORK IS COMPLETED IN AN AREA, THOROUGHLY CLEAN THE SPACES, ITEMS AND SURFACES OF SOIL, WASTE MATERIAL, SMUDGES, SPATTERS, MIS-APPLIED MATERIALS, SPOTS, STAINS AND THE LIKE, WITHOUT DAMAGING THE MATERIALS AND SURFACES INVOLVED.
17. PROVIDE FULLY RECESSED FIRE EXTINGUISHERS AS REQUIRED BY APPLICABLE CODES AND ORDINANCES UNLESS NOTED OTHERWISE.
18. PROVIDE FIRE-TREATED BLOCKING IN WALLS AS REQUIRED FOR INSTALLATION OF MILLWORK, FURNITURE AND ACCESSORIES.
19. THE GENERAL CONTRACTOR IS TO VERIFY BUILDING STANDARDS WITH BUILDING MANAGER. ALL HARDWARE SETS AND KEYING TO BE COORDINATED WITH BUILDING MANAGERS.
20. REMOVE EXISTING ORBITAL HARDWARE AND INSTALL LEVER HARDWARE IN EXISTING DOORS BEING RELOCATED AND IN EXISTING DOORS THAT REMAIN PER ADA GUIDELINES. VERIFY STYLE WITH BUILDING STANDARDS.
21. ALL INTERIOR GLASS MUST COMPLY WITH APPLICABLE DESIGN CODES.
22. PATCH AND REPAIR EXISTING FLOOR SLAB AS REQUIRED FOR A SMOOTH AND LEVEL SURFACE FREE FROM DEFECTS. FILL ALL CRACKS AND HOLES AND LEVEL DEPRESSIONS WITH MATERIALS COMPATIBLE WITH THE FLOOR AND SLAB AS RECOMMENDED BY THE FLOORING MANUFACTURER.
23. ALL MATERIALS USED IN PLENUM AREA MUST BE NON COMBUSTIBLE AND/OR LISTED FOR PLENUM USE AS DEFINED BY THE STATE AND LOCAL CODES. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADHERE TO THERE REQUIREMENTS.
24. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE TO FIRE CAULK ALL NEW AND EXISTING PENETRATIONS WITHIN ALL WALL PARTITIONS, ABOVE THE CEILING WHERE REQUIRED AS INDICATED BY THE APPLICABLE CODES.

INTERIOR DESIGN

1. THE CONTRACTOR SHALL PATCH AND REPAIR ANY AND ALL FLOORS, WALLS, CEILINGS, ETC. IN A WORKMANSHIP-LIKE MANNER TO MATCH THE SURROUNDING SURFACE AREAS. SURFACES OR MATERIALS DAMAGED BY DEMOLITION OR CONSTRUCTION SHALL BE REPAIRED, RESTORED AND REFINISHED TO MATCH EXISTING, UNLESS NOTED OR SPECIFIED OTHERWISE. IN ADDITION, THOSE EXISTING SURFACES OR MATERIALS (SERVING AS A SUBSTRATE FOR NEW MATERIALS OR FINISHES) WHICH HAVE BEEN DAMAGED FROM ANY CAUSE, SHALL BE REPAIRED, RESTORED, PROPERLY PREPARED AND CLEANED TO RECEIVE THE NEW MATERIALS AND FINISH WORK. ALL NEW MATERIALS AND FINISH WORK TO BE FREE FROM FLAWS AND DEFECTS.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING LEAD TIMES OF ALL MATERIALS SUCH THAT MATERIALS AREA ON SITE WHEN REQUIRED FOR INSTALLATION.
3. ALL PREPARATION, STORING, INSTALLATION AND CLEANUP OF FINISHES TO CONFORM TO MANUFACTURER'S SPECIFICATIONS.

PROJECT GENERAL NOTES

INTERIOR DESIGN (CONT.)

4. ALL DOORS/ FRAMES/ HARDWARE/ LIGHTING/ CEILING MATERIALS ARE TO FOLLOW BUILDING STANDARDS UNLESS OTHERWISE NOTED.
5. PROVIDE 2-TIER COAT HOOK ON WALL BEHIND OFFICE DOORS.

MECHANICAL

1. THE MECHANICAL CONTRACTOR IS TO DESIGN ALL MECHANICAL SYSTEMS AND OBTAIN NECESSARY PERMITS. MECHANICAL DOCUMENTS ARE TO BE PROVIDED BY THE MECHANICAL CONTRACTOR AND SIGNED BY A PROFESSIONAL ENGINEER AS REQUIRED BY CODE. THE MECHANICAL DESIGN IS TO BE COORDINATED WITH THE ATTACHED ARCHITECTURAL CONSTRUCTION DOCUMENTS. THE DESIGN IS TO BE REVIEWED BY THE TENANT PRIOR TO IMPLEMENTATION.
2. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY MECHANICAL EQUIPMENT AND CONTROLS TO COMPLETE THE JOB. THE MECHANICAL CONTRACTOR IS TO COORDINATE WITH THE ELECTRICAL CONTRACTOR ALL THE NECESSARY WIRING TO COMPLETE THE JOB. WIRING IS TO BE COMPLETED BY THE ELECTRICAL CONTRACTOR.
3. PROVIDE WHITE SEMI-RECESSED SPRINKLER HEADS WITH WHITE TRIM RING AT ALL A.C.T. CEILING AND FULLY RECESSED SPRINKLER HEADS WITH WHITE ESCUTCHEON PLATES AT ALL GYP. BD. CEILING AS REQUIRED BY APPLICABLE CODES AND ORDINANCES.
4. VERIFY LOCATIONS AND SIZES OF ALL OPENINGS WITH GENERAL CONTRACTOR PRIOR TO COMMENCING WORK. THE GENERAL CONTRACTOR IS RESPONSIBLE TO CUT AND PATCH OR ADD STRUCTURAL REINFORCEMENT AS REQUIRED FOR THE INSTALLATION OF MECHANICAL ROOFTOP EQUIPMENT.
5. ALL SINKS SHALL HAVE HOT AND COLD WATER WITH BELOW-COUNTER PIPE INSULATION WRAP ON EXPOSED PIPING PER ADA GUIDELINES.

ELECTRICAL

1. THE ELECTRICAL CONTRACTOR IS TO DESIGN ALL ELECTRICAL SYSTEMS AND OBTAIN ALL NECESSARY PERMITS. THE ELECTRICAL DESIGN IS TO BE COORDINATED WITH THE ATTACHED ARCHITECTURAL CONSTRUCTION DOCUMENTS. THE ELECTRICAL DESIGN IS TO BE REVIEWED BY THE ARCHITECT OF RECORD AND TENANT PRIOR TO IMPLEMENTATION.
2. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT AND TO PROVIDE DISCONNECT AND POWER WIRING FOR ALL MECHANICAL EQUIPMENT.
3. THE ELECTRICAL CONTRACTOR IS TO PROVIDE EXIT AND EMERGENCY LIGHTS AS REQUIRED BY APPLICABLE CODES AND ORDINANCES.
4. THE ELECTRICAL CONTRACTOR IS TO PROVIDE SMOKE DETECTION AND ALARM DEVICES AND WIRING OF THE SPACE AS REQUIRED BY APPLICABLE CODES AND ORDINANCES FOR THE INTERIOR BUILD-OUT SPACE.
5. THE ELECTRICAL CONTRACTOR SHALL INSTALL JUNCTION BOXES WITH PULL STRINGS FOR ALL VOICE/ DATA AND PHONE LOCATIONS. THE TENANT IS TO COORDINATE AND PROVIDE ALL LOW VOLTAGE CABLING AND COVER PLATES AS REQUIRED. VERIFY LOCATIONS WITH MILLWORK ELEVATIONS.
6. NEW ELECTRICAL OUTLETS ARE SHOWN AT APPROXIMATE LOCATION. NO OUTLETS ARE TO BE BACK-TO-BACK.
7. THE REFLECTED CEILING SCHEMATIC PLAN IS FOR REFERENCE ONLY, REGARDING LOCATION, QUANTITIES, AND TYPES OF LIGHT FIXTURES. THE REFLECTED CEILING PLAN REFERENCES LIGHT FIXTURES, HOWEVER, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIXTURE TYPE, APPROPRIATE FOOT-CANDLES AND VOLTAGE REQUIREMENTS OF ALL SPECIFIED LIGHT FIXTURES IN ASSOCIATION W/ THE SPECIFIC SITE CONDITIONS AND PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO THE ORDERING OR INSTALLATION OF ANY FIXTURES.

DIVISION 0 & 1: BIDDING, PROJECT CONDITIONS, COMPLETION & FINAL PAYMENT

CONTRACTORS AFFIDAVIT OF LICENSE. INSURANCE AND ABILITY TO BID:
CONTRACTOR ASSERTS BY BIDDING THE WORK OF THIS PROJECT THAT THEY LICENSED BY THE STATE, CITY OR LOCAL JURISDICTION WHERE THE PROJECT WILL BE PROVIDED, CARRIES FULL INSURANCE FOR PROJECT, FOR THEIR ACTS, WORK & OMISSIONS, CARRIES FULL WORKERS COMPENSATION COVERAGE.

COST OF PERMITS, LICENSES AND FEES:
CONTRACTOR SHALL PAY FOR AND OBTAIN ALL REQUIRED PERMITS, LICENSES AND INSPECTION FEES, SEWER/WATER ACCESS CHARGES OR SIMILAR TO PROVIDE THE WORK OF THE PROJECT.

SUBSTITUTION OF MATERIALS:
PRIOR TO THE BIDDING, CONTRACTOR OR MATERIAL SUPPLIER MAY REQUEST A SUBSTITUTION FOR SPECIFIC MATERIALS TO THE OWNER. THE CONTRACTOR MUST PROVE THAT THE PROPOSED SUBSTITUTION IS EQUAL. "EQUALITY" MEANS AT A MINIMUM THAT THE PROPOSED SUBSTITUTION MEETS THE SAME ASTM OR OTHER SIMILAR STANDARDS AND DOES NOT AFFECT QUALITY. IN ALL CASES THE CONTRACTOR MUST INFORM THE OWNER. IF THE PROPOSED SUBSTITUTION IS A PRODUCT THAT LESSENS THEIR COST OR TIME, IS A NON-COST, NO TIME AFFECTED SUBSTITUTION OR IS A SUBSTITUTION MADE BECAUSE OF UNAVAILABILITY OF INTENDED MATERIAL. THE CONTRACTOR MUST ALSO STATE IN WRITING THEIR WILLINGNESS AND BE RESPONSIBLE FOR ANY CHANGES OF COST OR TIME IN THE WORK AFFECTED BY THEIR PROPOSED SUBSTITUTION. ANY ADDITIONAL COST OR INCREASE IN TIME CAUSED BY THIS SUBSTITUTION WILL BE PAID BY THE CONTRACTOR. REQUESTS WITHOUT THIS INFORMATION WILL NOT BE CONSIDERED. AFTER BIDS ARE RECEIVED CONTRACTOR SHALL NOT SUBSTITUTE MATERIALS WITHOUT PERMISSION OF THE OWNER.

CONTRACTOR SHALL PROVIDE THE WORK OF THE PROJECT:
THE WORD "PROVIDE", MEANS FOR THE CONTRACTOR TO FURNISH AND INSTALL ALL WORK OF THIS PROJECT IN ITS FINAL LOCATION AS DESCRIBED BY THE CONTRACT DOCUMENTS, FOB JOBSITE USING LABOR, MATERIALS, EQUIPMENT AND ALL OTHER ACTIVITIES AND RESOURCES. THE WORD "INSTALL" MEANS TO TAKE MATERIAL DELIVERED BY OTHERS AND PLACE IT IN FINAL FINISHED LOCATION FOR ITS INTENDED USE. THE WORD "FURNISH" MEANS TO BRING TO PROJECT SITE FOR INSTALLATION BY OTHERS.

ACTION WORDS:
ALL DIRECTIVES SUCH AS MUST, SHALL, WILL OR SIMILAR HAVE THE SAME INTENT AND UNDER THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR REQUIRE ACTION BY THE CONTRACTOR OR OWNER. WHERE THE WORD "MAY" IS USED, THE WORD "MAY" ALLOWS FOR A CHOICE TO BE MADE BY THE OWNER.

FOIC OR OFCI:
IN CERTAIN CASES SHOWN ON THE DRAWING; THE OWNER WILL FURNISH MATERIALS AND THE CONTRACTOR SHALL INSTALL THEM. THE OWNER WILL PROVIDE DRAWINGS AND INFORMATION ABOUT SIZE, ATTACHMENT METHODS AND OTHER CHARACTERISTICS INCLUDING TEMPLATES TO THE CONTRACTOR. THE OWNER SHALL PAY FREIGHT TO DELIVER FOB JOBSITE. THE OWNER SHALL ORDER AND DELIVER THE MATERIALS BASED ON THE CONTRACTOR'S SCHEDULE. THE CONTRACTOR SHALL SCHEDULE DELIVERY, UNLOAD, COUNT QUANTITIES AND REPORT ANY DISCREPANCIES OR DAMAGE TO THE OWNER. THE CONTRACTOR SHALL PROTECT AND COVER THE MATERIALS UNDER THEIR INSURANCE AND BOND ONCE DELIVERED AND UNLOADED. THE CONTRACTOR SHALL INSTALL, FIT AND CONNECT TO THE PROJECT.

DIVISION 0 & 1: BIDDING, PROJECT CONDITIONS, COMPLETION & FINAL PAYMENT (CONT.)

PRECEDENCE, DEFINITION AND USE OF CONTRACT DOCUMENTS:
CONTRACT DOCUMENTS CONSIST OF ALL DRAWINGS, WRITTEN DESCRIPTIONS, STATEMENTS AND INFORMATION PROVIDED BY THE ARCHITECT AND ENGINEER INCLUDING ADDENDA AND SUBSEQUENT CHANGES ISSUED ON BEHALF OF THE OWNER. SOMETIMES THESE MAY BE KNOWN AS PLANS AND SPECIFICATIONS. IN SOME CASES DETAILED SPECIFICATIONS ARE NOT PROVIDED. THE CONTRACT DOCUMENTS SHOW THE PROJECT ONLY IN COMPLETED FORM. ANY AND ALL SHALL GOVERN THE WORK OF THE PROJECT. NO ONE DOCUMENT GOVERNS OR TAKES PRECEDENCE OVER ANOTHER. ANY ITEM MENTIONED OR SHOWN IN ONE DOCUMENT BUT NOT IN ANOTHER SHALL STILL BE PROVIDED. ANY AND ALL DRAWINGS, SPECIFICATIONS CHANGES, ADDENDA AND OR CONTRACT DOCUMENTS ARE EQUALLY BINDING UPON THE CONTRACTOR.

PRECEDENCE, DEFINITION AND USE OF CONTRACT DOCUMENTS CONTINUED:
THE CONTRACTOR SHALL HAVE A FULL COMPLETE AND UP TO DATE SET OF RECORD CONTRACT DOCUMENTS TO PROPERLY PROVIDE THE WORK RESULTING IN COMPLETION OF THE PROJECT.

TEMPORARY FACILITIES AND CONTROLS:
TEMPORARY WATER: PROVIDE NECESSARY TEMPORARY PIPING AND WATER SUPPLY AND, UPON COMPLETION OF THE WORK, REMOVE SUCH TEMPORARY FACILITIES. PROVIDE AND PAY FOR WATER USED IN CONSTRUCTION.

TEMPORARY HEAT AND VENTILATION: PROVIDE AND MAINTAIN HEAT AND VENTILATION NECESSARY FOR PROPER CONDUCT OF OPERATIONS NEEDED IN THE WORK. PROVIDE AND PAY FOR FUEL FOR HEATING USED IN CONSTRUCTION. UPON COMPLETION OF THE WORK, REMOVE SUCH TEMPORARY FACILITIES. DO NOT USE PERMANENT AIR HANDLING SYSTEM FOR TEMPORARY HEAT AND VENTILATION IN CONSTRUCTION AREAS OR DURING CONSTRUCTION ACTIVITIES CAUSING AIRBORNE DUST AND CONTAMINATION.

TEMPORARY LIGHTING AND POWER: PROVIDE NECESSARY TEMPORARY WIRING AND, UPON COMPLETION OF THE WORK, REMOVE SUCH TEMPORARY FACILITY. PROVIDE AREA DISTRIBUTION BOXES SO LOCATED THAT THE INDIVIDUAL TRADES MAY FURNISH AND USE 100 FT. MAXIMUM LENGTH EXTENSION CORDS TO OBTAIN POWER AND LIGHTING AT POINTS WHERE NEEDED FOR WORK, INSPECTION, AND SAFETY.

TEMPORARY COMMUNICATIONS: MAKE NECESSARY ARRANGEMENTS AND PAY COSTS FOR CELLULAR TELEPHONE SERVICE AND INTERNET SERVICE TO THE CONTRACTOR'S OFFICE AT THE SITE.

TEMPORARY SANITARY FACILITIES: PROVIDE AND MAINTAIN TEMPORARY CHEMICAL TOILET SANITARY FACILITIES IN THE QUANTITY REQUIRED FOR USE BY ALL PERSONNEL. MAINTAIN IN A SANITARY CONDITION AT ALL TIMES. DO NOT USE PERMANENT TOILETS FOR TEMPORARY SANITARY FACILITIES.

CONTRACTOR'S FACILITIES: PROVIDE A FIELD OFFICE AREA AND SHEDS ADEQUATE IN SIZE AND ACCOMMODATION FOR CONTRACTOR'S OFFICES, SUPPLY AND STORAGE. WITHIN THE CONTRACTOR'S FACILITIES, PROVIDE ENCLOSED SPACE ADEQUATE FOR HOLDING PROJECT MEETINGS. FURNISH WITH TABLES, CHAIRS AND UTILITIES.
PROVIDE AND MAINTAIN FOR THE DURATION OF CONSTRUCTION ALL SCAFFOLDS, TARPAULINS, CANOPIES, WARNING SIGNS, STEPS, PLATFORMS, BRIDGES, AND OTHER TEMPORARY CONSTRUCTION NECESSARY FOR PROPER COMPLETION OF THE WORK IN COMPLIANCE WITH PERTINENT SAFETY AND OTHER REGULATIONS. PROVIDE AND MAINTAIN FOR THE DURATION OF CONSTRUCTION TEMPORARY FENCING AND BARRICADES AS REQUIRED TO PROTECT THE WORK, THE WORKMEN AND THE PUBLIC FROM INJURY.

THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FIRE PROTECTION DURING CONSTRUCTION OPERATIONS. FOLLOW NFPA STANDARD 241, BUILDING CONSTRUCTION OPERATION, OMITTING REQUIREMENTS FOR FIRE WATCHMEN. PROVIDE TEMPORARY UL APPROVED FIRE EXTINGUISHERS.

PROVIDE, ERECT AND MAINTAIN A PROJECT IDENTIFICATION SIGN OF WOOD FRAME AND EXTERIOR GRADE PLYWOOD CONSTRUCTION, PAINTED, WITH EXHIBIT LETTERING BY PROFESSIONAL SIGN PAINTER. LIST NAME OF PROJECT, DEVELOPER, GENERAL CONTRACTOR AND ARCHITECT. NO OTHER SIGNS OR ADVERTISING WILL BE ALLOWED EXCEPT AS MAY BE APPROVED BY THE OWNER.

COORDINATION OF WORK:
THE CONTRACTOR SHALL COORDINATE THE VARIOUS PIECES AND PORTIONS OF ALL WORK PROVIDED TO COMPLETE THE PROJECT. THIS INCLUDES ENSURING THAT ALL PARTIES UNDER THE CONTRACTORS CONTROL COOPERATE WITH EACH OTHER TO PROVIDE THE PROJECT INTENDED.

CODES:
ALL WORK IS TO BE IN COMPLIANCE WITH CODES AS DETERMINED AND INTERPRETED BY THE LOCAL BUILDING, FIRE, MECHANICAL & PLUMBING OFFICIALS HAVING JURISDICTION.

PARTIES TO THE CONTRACT:
THE CONTRACTOR(S) IS THE ONLY ENTITY CONTRACTED BY THE OWNER TO PROVIDE THE WORK RESULTING IN COMPLETION OF THE PROJECT SHOWN AND DESCRIBED IN THE CONTRACT DOCUMENTS. ALL OTHER MATERIAL AND EQUIPMENT SUPPLIERS AND SUBCONTRACTORS HAVE SEPARATE AGREEMENTS WITH THE CONTRACTOR, ARE UNDER HIS SOLE JURISDICTION AND SHALL ONLY COMMUNICATE THROUGH THE CONTRACTOR. THE ARCHITECT/ENGINEER IS THE ENTITY CONTRACTED WITH THE OWNER TO DESIGN THE PROJECT. THE OWNER IS THE ONLY ENTITY WHO SHALL GAIN OWNERSHIP OF THE PROJECT ONCE COMPLETED; AND WHO HAS THE SOLE ABILITY TO MAKE CHANGES TO THE WORK OF THE PROJECT AND TO PAY FOR THE WORK OF THE PROJECT.

MOCKUP FOR OWNER:
FOR ITEMS SUCH AS MASONRY, EIFS, PAINTS AND STAINS, PROVIDE A MOCKUP THAT CAN BE REVIEWED, APPROVED AND ESTABLISHED AS A STANDARD OF CONSTRUCTION.

SAFETY:
THE CONTRACTOR IS THE SOLE ENTITY RESPONSIBLE FOR FEDERAL, STATE OR LOCAL ISSUES OF SAFETY ON THE PROJECT SITE. ALL PERSONS RESPONSIBLE TO THE CONTRACTOR AND ALSO THE OWNER, OWNERS PERSONNEL, DESIGNERS, GOVERNMENT PERSONNEL AND THE PUBLIC ARE UNDER THE CONTRACTORS RESPONSIBILITY IN MATTERS OF SAFETY. SAFETY INCLUDES PROTECTION OF ALL PERSONNEL ON THE PROJECT FROM COLLAPSE OF BUILDING, FIRE, FALL, CAVE-IN OR OTHER DAMAGES OR INJURY.

LOCATING AND CONNECTING TO EXISTING CONDITIONS AND UTILITIES:
THE WORK OF THIS PROJECT WILL REQUIRE CONNECTION TO AND USE OF EXISTING: SITE UTILITIES, ROADS, STRUCTURE, FINISHES, EQUIPMENT, FIRE ALARMS, PLUMBING, HVAC, ELECTRICAL, AND COMMUNICATION/DATA SYSTEMS. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES ON THE PROJECT SITE. THESE UNDERGROUND LOCATING ENTITIS SHALL BE CALLED AT LEAST 72 HOURS PRIOR TO ANY DIGGING EACH TIME WILL OCCUR. VERIFY THAT ALL NEW CONNECTIONS ARE COMPATIBLE WITH EXISTING. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE.

DIMENSIONING, QUANTITIES, MEASUREMENT, ELEVATIONS AND SURVEYS:
THE CONTRACTOR SHALL NOT SCALE THE DRAWINGS, BUT SHALL VERIFY ALL GRADES, LINES, LEVELS, ELEVATIONS AND DIMENSIONS OF THE WORK ENSURE THE FITTING TOGETHER OF THE VARIOUS PORTIONS OF THE WORK OF THE PROJECT AND PROVIDE SURVEY CONTROL POINTS, ELEVATIONS AND BENCHMARKS FOR THE PROJECT. TO LAYOUT THE PROJECT SITE, CONTRACTOR SHALL DEMONSTRATE COMPETENCE TO THE OWNER, OR USE A QUALIFIED SURVEYOR.

SUBMITTALS/SHOP DRAWINGS:
CONTRACTOR SHALL PROVIDE VERIFIED SUBMITTALS WITH THEIR COMPANY STAMP AND SIGNATURE FOR ALL MATERIALS USED ON THE PROJECT. THESE SUBMITTALS SHALL BE PROVIDED TO THE ARCHITECT. ALL QUANTITIES, PATTERNS, TEMPLATES, SCHEDULES, DIMENSIONS, DETAILS, ELEVATIONS SHALL BE SHOWN AND CONTRACTOR VERIFIED. ALWAYS PROVIDE AN OVERALL LAYOUT REFERENCING PIECE LISTS. CONTRACTOR MUST LIST MANUFACTURER USED AND THAT MANUFACTURER USED IS ENTITY LISTED OR APPROVED IN CONTRACT DOCUMENTS. ANY PRODUCT THAT HAS A CHOICE OF FABRIC, SURFACE, COLOR, OR TEXTURE MUST HAVE FULLY DESCRIPTIVE SAMPLES SUBMITTED. ALLOW A MINIMUM OF 7 WORKING DAYS FOR REVIEW NOT INCLUDING SUBMITTAL DELIVERY TIME. PROVIDE IN 4 COPIES ONLY. ADDITIONAL COPIES WILL NOT BE REVIEWED.

DIVISION 0 & 1: BIDDING, PROJECT CONDITIONS, COMPLETION & FINAL PAYMENT (CONT.)

SUBMITTALS/SHOP DRAWINGS (CONT.)
CONTRACTOR SHALL USE SUBMITTAL ONLY AFTER REVIEW BY ARCHITECT. CONTRACTOR SHALL MAKE
ADDITIONAL COPIES FOR OTHER CONTRACTORS, MATERIAL SUPPLIERS, REQUIRED PARTIES AND ONE RECORD COPY FOR THE OWNER.

MEANING OF SUBMITTAL REVIEW:
REVIEW ONLY MEANS THAT THE ARCHITECT/ENGINEER ACKNOWLEDGES THAT A SUBMITTAL FOR MATERIAL HAS BEEN RECEIVED AND THAT SOME OF THE PRELIMINARY FEATURES LISTED IN THE SUBMITTAL APPEAR TO BE CORRECT. SUBMITTAL REVIEW COMMENTS REFER ONLY TO LIMITED FEATURES ON THE SUBMITTAL.NO WARRANTY OR GUARANTEE IS EXPRESSED OR IMPLIED TO THE CONTRACTOR AS THE MATERIAL MUST STILL MEET FULL CONTRACT DOCUMENT REQUIREMENTS.

CONNECTORS/FASTENERS:
DEVICES, CONNECTORS, FASTENERS, ADHESIVE AND OTHER MATERIALS USED TO CONNECT OTHER MATERIALS TO EACH OTHER AND THE WORK OF THIS PROJECT ARE NOT SHOWN. CONTRACTOR SHALL VERIFY CORRECT TYPE AND PROVIDE IN SUFFICIENT QUANTITIES AND AS REQUIRED UNDER CORRECT WEATHER CONDITIONS TO PREFORM ATTACHMENT REQUIRED.

HANDLING AND STORAGE OF MATERIALS:
PROVIDE ADEQUATE UNLOADING MEANS AND METHODS FOR ALL MATERIALS. REPLACE ANY MATERIALS MISSING, DAMAGED OR OF INCORRECT TYPE. ENSURE THAT CONTRACTORS PERSONNEL ARE ON SITE FOR HANDLING ALL MATERIALS RECEIVED. CONTRACTOR SHALL STORE AND PROTECT MATERIALS IN WEATHER TIGHT, DESCRIPTIVE PACKAGES THAT WILL PREVENT DAMAGE TO THE MATERIALS. PLACE ON RAISED SKIDS TO PREVENT CONTACT WITH GROUND OR CONCRETE. PROVIDE VENTILATION TO AVOID DEGRADATION OF PRODUCT.

PROTECTION OF CONSTRUCTION:
PROTECT ALL IN PLACE CONSTRUCTION FROM WEATHER DAMAGE, THEFT, VANDALISM AND ANY OTHER DAMAGE. REPLACE ANY CONSTRUCTION WORK THAT IS DAMAGED.

ACCEPTANCE OF UNDERLYING WORK:
CONTRACTOR SHALL VERIFY THAT BEFORE BEGINNING ANY PORTION OF THE WORK THAT THE UNDERLYING WORK SUBSTRATE IS ACCEPTABLE. BY BEGINNING WORK, CONTRACTOR ACCEPTS THE CONDITIONS OF THE PREVIOUS UNDERLYING WORK OR SUBSTRATE. IF HIDDEN, UNDERLYING, OR LATENT CONDITIONS HINDER FURTHER WORK, IMMEDIATELY CEASE AND ASK FOR DIRECTION BY OWNER BEFORE RESUMING.

CUTTING:
CONTRACTOR SHALL NOT CUT, PATCH OR MODIFY ANY PORTION OF THE WORK THAT CHANGES THE VISUAL ELEMENT OF THE CONTRACT DOCUMENTS. CONTRACTOR SHALL NOT MODIFY OR CUT OR BORE THOUGH ANY SUPPORTING STRUCTURE MEMBER WITHOUT PERMISSION OF THE PROJECT STRUCTURAL ENGINEER.

STANDARDS FOR QUALITY OF WORK:
THE CONTRACTOR SHALL PROVIDE GOOD QUALITY WORK FOR THE PROJECT IN A MANNER CONSISTENT WITH GENERALLY RECOGNIZED STANDARDS OF NATIONAL ORGANIZATIONS SUCH AS ASTM, ANSI, DOT, NEC, ASHRAE, SMACNA, IPC OR UPC, FM, UL, ACI, GA AND OTHERS. WELDERS, PLUMBERS & ELECTRICIANS SHALL BE CERTIFIED.

MANUFACTURER'S INSTRUCTIONS:
UNLESS THEY ALTER THE DESIGN, OR A SUBSTITUTED PRODUCT IS NOT CONSISTENT WITH SPECIFICATIONS OR DRAWINGS OF THE DESIGN, THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S REQUIREMENTS FOR RECEIPT, STORAGE, PROTECTION AND INSTALLATION.

FIELD INSPECTION VERIFICATIONS:
CONTRACTOR SHALL PAY FOR AND HAVE INSPECTIONS DONE TO VERIFY THAT THE WORK OF THE PROJECT IS CONSISTENT WITH NATIONALLY RECOGNIZED WORK STANDARDS. CONTRACTOR SHALL PROVIDE AN INDIVIDUAL LIST BY ITEM WITH ATTACHED INSPECTION REPORTS/DOCUMENTS FROM ANY AGENCY OR BUILDING INSPECTOR OR PERSONNEL USED AND WITH CONTRACTOR SIGNATURE. VERIFICATION DOCUMENTATION SHALL BE SENT TO OWNER ONLY.

VERIFICATION SHALL COVER THE FOLLOWING PORTIONS OF THE WORK OF THE PROJECT:

- EARTHWORK BASED OF FOUNDATION, BORROWED FILL AND ALL COMPACTION WITH MOISTURE CONTENT AND A GEOTECHNICAL ENGINEERS' OPINION OF SUITABILITY.
- CONCRETE ENGINEERED MIX DESIGNS AND TESTS FOR: AIR CONTENT, SLUMP, 7 AND 28 DAY COMPRESSIVE STRENGTH, CURING AND FLATNESS/ LEVEL OF SLABS AND WALLS. VERIFY THAT IF SHOWN A VAPOR BARRIER IS CORRECTLY INSTALLED. VERIFY CONCRETE CONTROL AND OTHER JOINTS. VERIFY CORRECT PLACEMENT OF REINFORCING. VERIFY TIMING OF REMOVAL OF FORMS WITH CONCRETE COMPRESSIVE STRENGTH AND COLD WEATHER CONDITIONS. VERIFY WATER STOPS HAVE BEEN USED IF REQUIRED. VERIFY THAT ADA SLOPE OF FLOORS, WALKS AND ENTRANCES IS CORRECT.
- VERIFY THAT ALL PRECAST CONCRETE PRODUCTS ARE AT THE PROPER BEARING, DO NOT CONTAIN TRAPPED MOISTURE, ARE FULLY GROUTED AND ARE PROPERLY WELDED TO ANCHORS.
- MASONRY PLUMB, PROPER GROUTING, MORTAR TYPE USED AND FIELD STRENGTH OF MORTAR.
- STRUCTURAL STEEL OR WOOD FRAMING OBSERVATION OF ALL CONNECTION, BOLT, WELDS AND FIT. PLUMB AND ERECTION STANDARDS OF 1 TO 500 HORIZONTAL OR VERTICAL. FASTENING IN ACCORDANCE WITH CODE OF ALL WOOD SHEATHING AND THAT SHEATHING IS PROPER TYPE, RATING AND SIZE.
- VERIFICATION OF WATER PROOFING OF FOUNDATIONS AND OTHER PORTIONS OF THE WORK OF THE PROJECT.
- VERIFICATION OF PROPER INSTALLATION OF ROOFING SYSTEM AND INSULATION.
- TEST ALL FLAT OR NEARLY FLAT ROOFING SYSTEMS WITH WATER UP TO SYSTEM LIMITS.
- VERIFICATION THAT INSULATION AND VAPOR BARRIERS ARE INSTALLED.
- VERIFICATION THAT ALL OPENINGS (DOORS, FRAMES, WINDOWS, HARDWARE) WORK PROPERLY AND THAT ALL CODE REQUIRED ESCAPE DEVICES WORK AND ARE PROPERLY POWERED, NOTIFIED AND RESPOND PER LOCAL CODE REQUIREMENTS.
- VERIFY THAT ALL FIRESTOPPING REQUIRED AT RATED WALLS, FLOORS, CEILING IS PROVIDED. HAVE LOCAL CODE INSPECTOR IN ATTENDANCE.
- VERIFY THE ACT GRID SYSTEM IS SUSPENDED FROM BUILDING STRUCTURE AND NOT PLUMBING OR DUCTWORK.
- VERIFY THAT TAPING AND FINISHING OF DRYWALL OR PLASTER IS CORRECT AND MEETS GYPSUM ASSOCIATION LEVELS OF QUALITY. HAVE LOCAL BUILDING CODE INSPECTOR IN ATTENDANCE WITH INSPECTION.
- VERIFY THAT ADAAG REQUIRED SIGNAGE IS INSTALLED AT ELEVATORS, ENTRANCES, TOILET AND OTHER REQUIRED LOCATIONS.
- VERIFY THAT FLOORING AND TILE IS INSTALLED PROPERLY AND THAT PH, ADHESION AND MOISTURE TESTS HAVE BEEN COMPLETED PRIOR TO GLUING TO ENSURE CORRECT LIMITS OF MOISTURE IN CONCRETE.
- VERIFY THAT ALL WALL/CEILING HUNG ACCESSORIES, EQUIPMENT, TOILET ITEMS, SHELVES OR SIMILAR ARE ATTACHED AND FULLY SUPPORTED AND INSTALLED WITH BACKING TO PREVENT LOOSENING.
- VERIFY THAT THE OPERATION OF ALL FOOD PRODUCTION OR MANUFACTURING EQUIPMENT IS CONSISTENT WITH CONTRACT DOCUMENTS AND REQUIRED MANUFACTURER'S INSTRUCTION.
- VERIFY THE OPERATION AND SAFETY, SECURITY, FIRE PROTECTION OPERATIONS OF ALL ELEVATOR /ESCALATOR TYPE CONVEYING EQUIPMENT.
- VERIFY THE CORRECT OPERATION OF FIRE ALARM EQUIPMENT AND IF EQUIPPED THE FIRE SPRINKLER SYSTEM. INCLUDING ALL DAMPERS IN MECHANICAL SYSTEM. HAVE LOCAL CODE OFFICIAL OR FIRE MARSHAL IN ATTENDANCE.
- VERIFY CORRECT OPERATION OF THE ENVIRONMENTAL SYSTEM AND IT'S CONTROLS. HAVE LOCAL MECHANICAL CODE INSPECTOR IN ATTENDANCE.
- VERIFY THAT OWNER HAS BEEN TRAINED TO OPERATE AND MAINTAIN ENVIRONMENTAL SYSTEM AND ITS CONTROLS.
- VERIFY THAT ALL PLUMBING VALVES ARE TAGGED.
- VERIFY THAT ALL FLOOR MOUNTED EQUIPMENT AND MOTORS ARE ON PADS, OR STANDS ABOVE FLOORS OR CURBS ABOVE ROOFS.
- VERIFY THAT ALL CONTROLLED WATER FAUCETS OPERATE AS INTENDED.

DIVISION 0 & 1: BIDDING, PROJECT CONDITIONS, COMPLETION & FINAL PAYMENT (CONT.)

- VERIFY THAT ALL DOMESTIC WATER TREATMENT SYSTEM IS OPERATIONAL AND PROVIDE TEST SHOWING LOCAL CONDITIONS OF HARDNESS OR OTHER IMPROPER MINERALS THAT SYSTEM IS TO CONTROL.
- CHECK FOR NOISE VIBRATION IN MECHANICAL SYSTEMS.
- VERIFY MECHANICAL/PLUMBING SYSTEMS REQUIRING INSULATION ARE PROPERLY INSTALLED.
- VERIFY THAT BALANCING HAS BEEN ACCOMPLISHED AND BOTH PRELIMINARY AND FINAL REPORT ARE SUBMITTED WITH LISTS OF ALL NEEDED DAMPERS, BELTS, SHIVS AND OTHER EQUIPMENT REQUIRED TO BALANCE THE SYSTEM HAVE BEEN PROVIDED.
- VERIFY THAT ALL ELECTRICAL POWER CONTROLS, PANELS, CIRCUITS, DISCONNECTS AND MAINS ARE INSTALLED PER CURRENT LOCAL CODE. HAVE LOCAL ELECTRICAL INSPECTOR IN ATTENDANCE DURING INSPECTION.
- TEST ALL EMERGENCY BATTERY AND STANDBY POWER, LIGHTS AND ELECTRICAL COMPONENTS OF FIRE ALARM SYSTEM IN ADDITION TO EARLIER FA SYSTEM INSPECTION.
- VERIFY THAT ALL LIGHTS WORK AND THAT SWITCHES ARE PROPERLY INSTALLED.
- VERIFY THAT ALL PLUG IN AND POWER CIRCUITS ARE CORRECT WITH NO SHORTS OR CROSS CONNECTIONS OR IMPROPER CIRCUITS. VERIFY THAT ALL PANEL AND CIRCUITS BOARDS ARE PROPERLY LABELED.
- VERIFY THAT COMPUTER AND COMMUNICATION SYSTEMS SUCH AS VIDEO, AUDIO, TELECOMMUNICATIONS COMPUTER WIRING/DRIVERS AND OTHER RELATED SYSTEMS OPERATE PROPERLY.

COMPLETION OF THE WORK:
AT COMPLETION CLEAN ALL WORK OF THE PROJECT, REPLACE ANY USEABLE PARTS CONSUMED OR DAMAGES SUCH AS FILTERS, BULBS OR COVERINGS. PROVIDE A LIST OF ANY ITEMS NOT YET COMPLETE (PUNCHLIST) AND THE TIME WHEN THEY WILL BE COMPLETE. THE OWNER WILL NOT INSPECT UNTIL ALL (PUNCHLIST) ITEMS ARE COMPLETE. COMPILE AND PROVIDE CONTRACT DOCUMENTS, BALANCING REPORTS, SUBMITTALS/SHOP DRAWINGS, ALONG WITH BOUND COPIES OF MAINTENANCE DATA AND INSTRUCTIONS, REPAIR ITEMS AND EXTRA PARTS, AS BUILT/RECORD DOCUMENTS, WARRANTIES, LOCATIONS OF ALL VALVES OR SURFACE HIDDEN MECHANICAL /ELECTRICAL ITEMS TO BE USED BY THE OWNER, KEYS AND KEYING SCHEDULE. PROVIDE ENVIRONMENTAL SYSTEM TRAINING, OTHER SYSTEMS OPERATION TRAINING AND ROUTINE MAINTENANCE TRAINING FOR ALL PARTS AND SYSTEM REQUIRING PERIODIC MAINTENANCE.

PAYMENT AND FINAL INSPECTION:
THE APPLICATION FOR PAYMENT SHALL BE BASED ON THE APPROVED SCHEDULE OF VALUES.

MAKE FORMAL SUBMITTAL OF REQUEST FOR PAYMENT, BY THE END OF THE LAST WORKING CALENDAR DAY OF THE MONTH, BY FILLING IN THE AGREED DATE ON AIA DOCUMENT G702, "APPLICATION AND CERTIFICATE FOR PAYMENT", INCLUDING CONTINUATION SHEET(S) AND APPLICABLE LIEN WAIVERS. SIGN AND NOTARIZE THE APPLICATION AND CERTIFICATE FOR PAYMENT AND LIEN WAIVERS. SUBMIT THE ORIGINAL OF THE APPLICATION AND CERTIFICATE FOR PAYMENT AND LIEN WAIVERS, PLUS THREE IDENTICAL COPIES OF THE APPLICATION AND CERTIFICATE FOR PAYMENT TO THE ARCHITECT.

NO CHANGES IN THE WORK MAY PROCEED UNLESS A CHANGE ORDER IS SIGNED BY BOTH THE ARCHITECT AND THE OWNER. CHANGES IN THE WORK MAY BE INITIATED BY EITHER THE ARCHITECT, OWNER OR THE CONTRACTOR. UPON INITIATION OF A PROPOSED CHANGE THE ARCHITECT WILL PREPARE AND ISSUE A "PROPOSAL REQUEST" THE CONTRACTOR'S DISAGREEMENT WITH THE CHANGE ORDER SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PROCEED WITH THE CHANGE AS ORDERED AND TO SEEK SETTLEMENT OF THE DISPUTE UNDER PERTINENT PROVISIONS OF THE CONTRACT DOCUMENTS.

CONTRACTOR SHALL SCHEDULE A FINAL REVIEW OF THE WORK PUNCHLIST ONCE ALL ITEMS AND INSTRUCTION/PAPERWORK/AND REQUIREMENTS OF COMPLETION ARE FULLY PROVIDED. THE FINAL INSPECTION OF THE PROJECT SHALL BE JOINTLY WITH THE ARCHITECT AND OWNER. AFTER ALL ITEMS NEEDED COMPLETION OR REPAIR ARE CORRECTED, TO THE LEVEL REQUIRED IN THE CONTRACT DOCUMENTS; CONTRACTORS SHALL THEN PROVIDE FINAL LIEN WAIVERS AND RELEASE OF LIENS FOR ALL ENTITIES MENTIONED IN CONTRACTORS SWORN STATEMENT AND SCHEDULE OF VALUES AND ANY OTHER NEW ENTITIES ADDED BY THE CONTRACTOR. THESE SHALL ALL BE NOTARIZED LEGALLY BINDING DOCUMENTS THE OWNER SHALL THEN MAKE FINAL PAYMENT TO THE CONTRACTOR. WARRANTY, BONDS AND INSURANCE OF MATERIALS INSTALLED UNLESS MENTIONED DIFFERENTLY SHALL CONTINUE TO BE IN FULL FORCE FOR 1 YEAR FROM THE TIME OF SUBSTANTIAL COMPLETION. ANY KNOWN, DISCOVERED OR LATENT DEFECTS ENCOUNTERED DURING THIS ONE YEAR OR OTHER PERIOD OF TIME SHALL BE REPLACED OR CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE CONTRACT DOCUMENTS USED TO PROVIDE THE PROJECT.

1 YEAR WARRANTY INSPECTION, 1 YEAR BOND & INSURANCE IN FORCE
PRIOR TO THE ONE YEAR END OF WARRANTY; A WARRANTY INSPECTION BY THE OWNER SHALL BE MADE OF THE WORK OF THE PROJECT AND ANY FURTHER DEFECTS EXCEPT FOR WEAR AND TEAR DURING THE OWNER'S USE SHALL BE REPLACED OR CORRECTED. INSURANCE AND BONDS SHALL THEN EXPIRE.

SECTION 02220 - EXCAVATION, BACKFILLING, & COMPACTING

* ALSO SEE SEPARATE SPECIFICATIONS FROM CIVIL ENGINEER. THE MORE RESTRICTIVE REQUIREMENTS SHALL APPLY. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE ALL EXCAVATING, BACKFILLING COMPACTING AND FINISH GRADING WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN FOR THE BUILDING STRUCTURE AND SITE. PERFORM EXCAVATING, BACKFILLING, AND COMPACTING IN COMPLIANCE WITH APPLICABLE REQUIREMENTS OF GOVERNING AUTHORITIES HAVING JURISDICTION AND OR CONFORMATION WITH GEOTECHNICAL REPORT.

OWNER TO EMPLOY THE SERVICES OF AN INDEPENDENT SOILS ENGINEER TO INSPECT AND APPROVE SOIL AFTER EXCAVATIONS FOR FOUNDATIONS ARE COMPLETE AND TO PERFORM COMPACTION TESTS. SUBMIT REPORTS OF TESTS, INSPECTIONS, AND APPROVALS BY THE SOILS ENGINEER. CONTRACTOR SHALL COOPERATE WITH TESTING AGENCY TO SCHEDULE INSPECTIONS IN CONJUNCTION WITH ONGOING WORK, PROVIDING ADEQUATE LEAD TIME FOR RESPONSE.

BACKFILL AND FILL: CLEAN, GRANULAR FILL. GRANULAR MATERIAL OBTAINED FROM THE SITE WHICH IS FREE OF ORGANIC MATERIALS, DEBRIS, AND EXCESSIVE SILT APPROVED FOR USE BY THE SOILS ENGINEER MAY BE USED.
EXAMINE THE AREAS AND CONDITIONS UNDER WHICH BUILDING EXCAVATION AND FILL IS TO BE PERFORMED AND NOTIFY THE ARCHITECT IN WRITING OF CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK. DO NOT PROCEED WITH THE WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN AN ACCEPTABLE MANNER. COMPACT EACH LAYER TO THE REQUIRED PERCENTAGE OF MAXIMUM DENSITY OF EACH AREA OF CLASSIFICATION.

SECTION 02500 - PAVING AND SURFACING

* ALSO SEE SEPARATE SPECIFICATIONS FROM CIVIL ENGINEER. THE MORE RESTRICTIVE REQUIREMENTS SHALL APPLY. WORK INCLUDED: THIS SECTIONS INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE ALL PAVING AND SURFACING WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN FOR THE PROJECT. COMPLY WITH ALL LAWS, ORDINANCES, RULES REGULATIONS AND ORDER OF GOVERNMENTAL AGENCIES HAVING JURISDICTION. INCLUDING, BUT NOT LIMITED TO: STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (MNDOT SPEC.) 2000 EDITION, MINNESOTA DEPARTMENT OF TRANSPORTATION'S. MNDOT 3138, SPECIFICATION FOR GRANULAR BASE COURSE. MNDOT 2331 TYPE 31, SPECIFICATION FOR BASE COURSE. MNDOT 2331 TYPE 41, SPECIFICATION FOR ASPHALTIC WEARING COURSE.

EMPLOY THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM TEST AND DESIGN MIXES. SUBMIT COMPLIANCE WITH STATE SPECIFICATIONS, OR FURNISH ACCEPTED CERTIFICATION OF COMPLIANCE FROM SOURCE OF SUPPLY. TEST REPORTS IN ACCORDANCE WITH SECTION 01300.

KAEDING
ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

OLD TOWN CONCESSIONS
NEW BUILDING

WILLKOMMEN
MEMORIAL PARK
13 SE 1ST AVE
NORWOOD YOUNG
AMERICA, MN 55397

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

JENNIFER KAEDING, AIA

51456 — REGISTRATION #
4/12/23 — DATE

ISSUE RECORD:

	2/9/23	CONSTRUCTION DOCUMENTS
	4/12/23	CD REISSUE

PROJECT: OLD TOWN CONCESSIONS
DATE: 04/12/23
DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:

GENERAL NOTES & PERFORMANCE SPECIFICATIONS

SHEET NUMBER:

N

A010

"N:\! Projects\Old Town Concessions\Revit\Old Town Concessions_R22.rte"
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SECTION 02500 - PAVING AND SURFACING (CONT.)

APPLY THE AGGREGATE BASE COURSE IN CONFORMANCE WITH MNDOT 3138 OVER THE PREPARED SUBGRADE. TEST PAVING AND BASE COURSE MATERIALS FOR AGGREGATE BASE COURSE: CLASS 5 CRUSHED STONE OR CRUSHED GRAVEL CONFORMING TO MNDOT SPECIFICATION 3138. BITUMINOUS BASE COURSE: MIXTURE OF AGGREGATE AND BITUMINOUS MATERIAL, PLANT MIXED CONFORMING TO MNDOT SPECIFICATION 2331 TYPE 31. SURFACE WEARING COURSE: PLANT MIXED BITUMINOUS MATERIALS CONFORMING TO MNDOT SPECIFICATION 2331 TYPE 41. TACK COAT FOR ASPHALTIC BASE COURSE: MNDOT 2357

SECTION 035300 - CONCRETE TOPPING

SUMMARY

THIS SECTION INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR CONCRETE TOPPING SPECIFIED HEREIN FOR:
- EMERY-AGGREGATE CONCRETE FLOOR TOPPING.
- IRON-AGGREGATE CONCRETE FLOOR TOPPING.

ALSO SEE SEPARATE SPECIFICATIONS FROM THE STRUCTURAL ENGINEER. THE MORE RESTRICTIVE REQUIREMENTS SHALL COMPLY.

- BASIS OF DESIGN PRODUCT
  1. MANUFACTURER: L&M CONSTRUCTION CHEMICALS
  2. PRODUCT: EMERY TOP 400
  3. PHYSICAL PROPERTIES AND MINIMUM TEST PERFORMANCE:
     A. 100 PERCENT NATURAL EMERY AGGREGATES, MINIMUM 58% ALUMINUM OXIDE AND 24% FERRIC OXIDE.
     B. ACI 544.2 R89, IMPACT RESISTANCE. AT SEVEN DAYS, NO CRACKING AFTER 4500 BLOWS.
     C. ASTM C 1202, CHLORIDE ION PENETRABILITY RESULTS: RATING: "VERY LOW," LESS THAN 1,000 COULOMBS PASSING.
     D. ASTM C 666/666M, FREEZE-THAW DURABILITY FACTOR NOT LESS THAN 90%.
     E. EVAPORATION RETARDANT: E-CON, BY L&M CONSTRUCTION CHEMICALS, INC.
     F. CURING COMPOUND: DRESS & SEAL WB 30, BY L&M CONSTRUCTION CHEMICALS, INC.
     G. SEMI-RIGID JOINT FILLER: JOINT TITE 750, BY L&M CONSTRUCTION CHEMICALS, INC.
     H. BONDING AGENT: EPO BOND BY L&M CONSTRUCTION CHEMICALS, INC.
     I. CONCRETE CURING COVER: TRANSGUARD 4000 BY REEF INDUSTRIES, OR HYDRACURE SHEETING, BY PNA CONSTRUCTION TECHNOLOGIES, OR EQUAL.
     J. COMPRESSIVE STRENGTH (28 DAYS): 10,000 PSI (69 MPA); ASTM C 109/C 109M.
- IRON-AGGREGATE CONCRETE FLOOR TOPPING: FACTORY-PREPARED AND DRY-PACKAGED MIXTURE OF GRADED IRON AGGREGATE, PORTLAND CEMENT, PLASTICIZERS, AND OTHER ADMIXTURES TO WHICH ONLY WATER NEEDS TO BE ADDED AT PROJECT SITE.
  1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
     A. ANTI-HYDRO INTERNATIONAL, INC; A-H IRONTOP.
     B. BASF CORP. - CONSTRUCTION CHEMICALS; MASTERTOP 300 (PRE-2014: MASTERTOP ANVIL-TOP 300).
     C. EUCLID CHEMICAL COMPANY (THE); AN RPM COMPANY.
     D. METALCRETE INDUSTRIES; METALCRETE.
     E. US CONCRETE MATERIALS, LLC; FERROTOP METALLIC TOPPING.
  2. COMPRESSIVE STRENGTH (28 DAYS): [**12,000 PSI (83 MPA)**] <**INSERT STRENGTH**>; ASTM C 109/C 109M.

CURING MATERIALS
- SELECT FROM THE FOLLOWING CURING MATERIALS.
  1. EVAPORATION RETARDER: WATERBORNE, MONOMOLECULAR FILM FORMING; MANUFACTURED FOR APPLICATION TO FRESH CONCRETE.
  2. ABSORPTIVE COVER: AASHTO M 182, CLASS 2, BURLAP CLOTH MADE FROM JUTE OR KENAF, WEIGHING APPROXIMATELY 9 OZ./SQ. YD. (305 G/SQ. M) WHEN DRY.
  3. MOISTURE-RETAINING COVER: ASTM C 171, POLYETHYLENE FILM OR WHITE BURLAP-POLYETHYLENE SHEET.
- WATER: POTABLE.
- CLEAR, WATERBORNE, MEMBRANE-FORMING CURING COMPOUND: ASTM C 309, TYPE 1, CLASS B, 25 PERCENT SOLIDS CONTENT, MINIMUM.

MIXING
- BONDING SLURRY: MIX PORTLAND CEMENT WITH WATER TO A THICK PAINT CONSISTENCY.
- FLOOR TOPPING: MIX CONCRETE FLOOR TOPPING MATERIALS AND WATER IN APPROPRIATE DRUM-TYPE BATCH MACHINE MIXER OR TRUCK MIXER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

PROTECTING AND CURING
- GENERAL: PROTECT FRESHLY PLACED CONCRETE FLOOR TOPPING FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES.
- EVAPORATION RETARDER: APPLY EVAPORATION RETARDER TO CONCRETE FLOOR TOPPING SURFACES IN HOT, DRY, OR WINDY CONDITIONS BEFORE AND DURING FINISHING OPERATIONS.
  BEGIN CURING IMMEDIATELY AFTER FINISHING CONCRETE FLOOR TOPPING.

JOINT FILLING
- PREPARE AND CLEAN CONTRACTION JOINTS AND INSTALL SEMIRIGID JOINT FILLER.
- INSTALL SEMIRIGID JOINT FILLER FULL DEPTH OF CONTRACTION JOINTS. OVERFILL JOINT AND TRIM SEMIRIGID JOINT FILLER FLUSH WITH TOP OF JOINT AFTER HARDENING.

REPAIR
- DEFECTIVE TOPPING: REPAIR AND PATCH DEFECTIVE CONCRETE FLOOR TOPPING AREAS, INCLUDING AREAS THAT HAVE NOT BONDED TO CONCRETE SUBSTRATE.

CONCRETE FLOOR TOPPINGS

- EMERY-AGGREGATE CONCRETE FLOOR TOPPING: FACTORY-PREPARED AND DRY-PACKAGED MIXTURE OF GRADED, CRUSHED EMERY AGGREGATE CONTAINING NOT LESS THAN 50 PERCENT ALUMINUM OXIDE, NOT LESS THAN 24 PERCENT FERRIC OXIDE, AND NOT MORE THAN 8 PERCENT SILICA; PORTLAND CEMENT OR BLENDED HYDRAULIC CEMENT; PLASTICIZERS; AND OTHER ADMIXTURES TO WHICH ONLY WATER NEEDS TO BE ADDED AT PROJECT SITE.

SECTION 042000 - UNIT MASONRY

SUMMARY

THIS SECTION INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR UNIT MASONRYE SPECIFIED HEREIN FOR:
1. CONCRETE MASONRY UNITS (CMU'S).
2. FACE BRICK.
3. THIN BRICK
4. MORTAR AND GROUT.
5. REINFORCING BARS AND JOINT REINFORCEMENT.
6. TIES AND ANCHORS.

PRECONSTRUCTION TESTING
- MORTAR TEST (PROPERTY SPECIFICATION): FOR EACH MIX REQUIRED, ACCORDING TO ASTM C 109/C 109M FOR COMPRESSIVE STRENGTH.
- MORTAR TEST (PROPERTY SPECIFICATION): FOR EACH MIX REQUIRED, ACCORDING TO ASTM C 780 FOR COMPRESSIVE STRENGTH.
- GROUT TEST (COMPRESSIVE STRENGTH): FOR EACH MIX REQUIRED, ACCORDING TO ASTM C 1019.

QUALITY ASSURANCE
- MASONRY STANDARD: COMPLY WITH ACI 530.1/ASCE 6/TMS 602 UNLESS MODIFIED BY REQUIREMENTS IN THE CONTRACT DOCUMENTS.

SECTION 042000 - UNIT MASONRY (CONT.)

CONCRETE MASONRY UNITS
- SHAPES: PROVIDE SHAPES INDICATED AND FOR LINTELS, CORNERS, JAMBS, SASHES, MOVEMENT JOINTS, HEADERS, BONDING, AND OTHER SPECIAL CONDITIONS.
- INTEGRAL WATER REPELLENT CMU: PROVIDE UNITS MADE WITH LIQUID POLYMERIC, INTEGRAL WATER REPELLENT ADMIXTURE THAT DOES NOT REDUCE FLEXURAL BOND STRENGTH WHERE INDICATED.
- STANDARD CONCRETE MASONRY UNITS CMUS: ASTM C 90.

BRICK
- GENERAL: PROVIDE SHAPES INDICATED AND AS FOLLOWS:
  A. FOR ENDS OF SILLS AND CAPS AND FOR SIMILAR APPLICATIONS THAT WOULD OTHERWISE EXPOSE UNFINISHED BRICK SURFACES, PROVIDE UNITS WITHOUT CORES OR FROGS AND WITH EXPOSED SURFACES FINISHED.
  B. PROVIDE SPECIAL SHAPES FOR APPLICATIONS WHERE SHAPES PRODUCED BY SAWING WOULD RESULT IN SAWED SURFACES BEING EXPOSED TO VIEW.
- FACE BRICK: FACING BRICK COMPLYING WITH ASTM C 216.

THIN BRICK
- PROVIDE THIN BRICK FOR USE AS CLADDING AT PRECAST ARCHITECTURAL CONCRETE WALL PANELS PER ALTERNATE.
- INSTALLATION GRID: THIN BRICK VENEER PANEL SYSTEM.

MORTAR AND GROUT MATERIALS
- PORTLAND CEMENT-LIME MIX: PACKAGED BLEND OF PORTLAND CEMENT AND HYDRATED LIME CONTAINING NO OTHER INGREDIENTS.
- MORTAR PIGMENTS: NATURAL AND SYNTHETIC IRON OXIDES AND CHROMIUM OXIDES, COMPOUNDED FOR USE IN MORTAR MIXES AND COMPLYING WITH ASTM C 979. USE ONLY PIGMENTS WITH A RECORD OF SATISFACTORY PERFORMANCE IN MASONRY MORTAR.
- COLORED CEMENT PRODUCT: PACKAGED BLEND MADE FROM PORTLAND CEMENT AND HYDRATED LIME AND MORTAR PIGMENTS, ALL COMPLYING WITH SPECIFIED REQUIREMENTS, AND CONTAINING NO OTHER INGREDIENTS.
- AGGREGATE FOR GROUT: ASTM C 404.
- COLD-WEATHER ADMIXTURE: NONCHLORIDE, NONCORROSIVE, ACCELERATING ADMIXTURE COMPLYING WITH ASTM C 494/C 494M, TYPE C.
- WATER-REPELLENT ADMIXTURE: LIQUID WATER-REPELLENT MORTAR ADMIXTURE INTENDED FOR USE WITH CMUS CONTAINING INTEGRAL WATER REPELLENT BY SAME MANUFACTURER.
- WATER: POTABLE.

REINFORCEMENT
- UNCOATED STEEL REINFORCING BARS: ASTM A 615/A 615M OR ASTM A 996/A 996M, GRADE 60 (GRADE 420).
- MASONRY JOINT REINFORCEMENT, GENERAL: ASTM A 951/A 951M.
  1. INTERIOR WALLS: HOT-DIP GALVANIZED, CARBON STEEL.
  2. EXTERIOR WALLS: HOT-DIP GALVANIZED, CARBON STEEL.
  3. WIRE SIZE FOR SIDE RODS: 0.148-INCH (3.77-MM) DIAMETER.
  4. WIRE SIZE FOR CROSS RODS: 0.148-INCH (3.77-MM) DIAMETER.
  5. WIRE SIZE FOR VENEER TIES: 0.148-INCH (3.77-MM) DIAMETER.
  6. SPACING OF CROSS RODS, TABS, AND CROSS TIES: NOT MORE THAN 16 INCHES (407 MM) O.C.
  7. PROVIDE IN LENGTHS OF NOT LESS THAN 10 FEET (3 M), WITH PREFABRICATED CORNER AND TEE UNITS.
- MASONRY JOINT REINFORCEMENT FOR SINGLE-WYTHE MASONRY: EITHER LADDER OR TRUSS TYPE WITH SINGLE PAIR OF SIDE RODS.
- MASONRY JOINT REINFORCEMENT FOR MULTIWYTHE MASONRY:
  1. ADJUSTABLE (TWO-PIECE) TYPE, EITHER LADDER OR TRUSS DESIGN, WITH ONE SIDE ROD AT EACH FACE SHELL OF BACKING WYTHE AND WITH SEPARATE ADJUSTABLE TIES WITH PINTLE-AND-EYE CONNECTIONS HAVING A MAXIMUM ADJUSTMENT OF 1-1/4 INCHES (32 MM). SIZE TIES TO EXTEND AT LEAST HALFWAY THROUGH FACING WYTHE BUT WITH AT LEAST 5/8-INCH (16-MM) COVER ON OUTSIDE FACE.
- MASONRY JOINT REINFORCEMENT FOR VENEERS: SINGLE 0.187-INCH-DIAMETER HOT-DIPPED GALVANIZED, CARBON-STEEL CONTINUOUS WIRE.

TIES AND ANCHORS

MATERIALS: PROVIDE TIES AND ANCHORS SPECIFIED IN THIS ARTICLE THAT ARE MADE FROM MATERIALS THAT COMPLY WITH THE FOLLOWING UNLESS OTHERWISE INDICATED.
1. HOT-DIP GALVANIZED, CARBON-STEEL WIRE: ASTM A 82/A 82M; WITH ASTM A 153/A 153M, CLASS B-2 COATING.
2. STEEL SHEET, GALVANIZED AFTER FABRICATION: ASTM A 1008/A 1008M, COMMERCIAL STEEL, WITH ASTM A 153/A 153M, CLASS B COATING.
3. STEEL PLATES, SHAPES, AND BARS: ASTM A 36/A 36M.

- ANCHOR BOLTS: HEADED OR L-SHAPED STEEL BOLTS COMPLYING WITH ASTM A 307, GRADE A (ASTM F 568M, PROPERTY CLASS 4.6); WITH ASTM A 563 (ASTM A 563M) HEX NUTS AND, WHERE INDICATED, FLAT WASHERS; HOT-DIP GALVANIZED TO COMPLY WITH ASTM A 153/A 153M, CLASS C; OF DIMENSIONS INDICATED.

MORTAR AND GROUT MIXES
- GENERAL: DO NOT USE ADMIXTURES, INCLUDING PIGMENTS, AIR-ENTRAINING AGENTS, ACCELERATORS, RETARDERS, WATER-REPELLENT AGENTS, ANTIFREEZE COMPOUNDS, OR OTHER ADMIXTURES, UNLESS OTHERWISE INDICATED.
- MORTAR FOR UNIT MASONRY: COMPLY WITH ASTM C 270, PROPORTION SPECIFICATION.
- GROUT FOR UNIT MASONRY: COMPLY WITH ASTM C 476.

SECTION 044000 - ADHERED STONE MASONRY VENEER

SUMMARY

THIS SECTION INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR ADHERED STONE MASONRY VENEER CONCRETE SPECIFIED HEREIN.

CAST STONE UNITS
- BASIS OF DESIGN PRODUCT – SEE ELEVATIONS WITH PRODUCT SPECIFICATION

STONE UNITS
- BASIS OF DESIGN PRODUCT - SEE ELEVATIONS WITH PRODUCT SPECIFICATION

MORTAR MATERIALS
- PORTLAND CEMENT: ASTM C 150, TYPE I OR TYPE II, EXCEPT TYPE III MAY BE USED FOR COLD-WEATHER CONSTRUCTION; NATURAL COLOR OR WHITE CEMENT MAY BE USED AS REQUIRED TO PRODUCE MORTAR COLOR INDICATED.
  1. LOW-ALKALI CEMENT: NOT MORE THAN 0.60 PERCENT TOTAL ALKALI WHEN TESTED ACCORDING TO ASTM C 114.
- HYDRATED LIME: ASTM C 207, TYPE S.
- MORTAR PIGMENTS: NATURAL AND SYNTHETIC IRON OXIDES AND CHROMIUM OXIDES, COMPOUNDED FOR USE IN MORTAR MIXES AND COMPLYING WITH ASTM C 979. USE ONLY PIGMENTS WITH A RECORD OF SATISFACTORY PERFORMANCE IN STONE MASONRY MORTAR.
- COLORED PORTLAND CEMENT-LIME MIX: PACKAGED BLEND OF PORTLAND CEMENT, HYDRATED LIME, AND MORTAR PIGMENTS. MIX SHALL PRODUCE COLOR INDICATED OR, IF NOT INDICATED, AS SELECTED FROM MANUFACTURER'S STANDARD COLORS. PIGMENTS SHALL NOT EXCEED 10 PERCENT OF PORTLAND CEMENT BY WEIGHT.
- AGGREGATE: ASTM C 144 AND AS FOLLOWS:
  1. FOR POINTING MORTAR, USE AGGREGATE GRADED WITH 100 PERCENT PASSING NO. 16 (1.18-mm) SIEVE.
  2. WHITE AGGREGATES: NATURAL WHITE SAND OR GROUND WHITE STONE.
  3. COLORED AGGREGATES: NATURAL-COLORED SAND OR GROUND MARBLE, GRANITE, OR OTHER SOUND STONE; OF COLOR NECESSARY TO PRODUCE REQUIRED MORTAR COLOR.
- LATEX ADDITIVE: MANUFACTURER'S STANDARD WATER EMULSION, SERVING AS REPLACEMENT FOR PART OR ALL OF GAGING WATER, OF TYPE SPECIFICALLY RECOMMENDED BY LATEX-ADDITIVE MANUFACTURER FOR USE WITH FIELD-MIXED PORTLAND CEMENT MORTAR BED, AND NOT CONTAINING A RETARDER.
- WATER: POTABLE.

SECTION 044000 - ADHERED STONE MASONRY VENEER (CONT.)

MORTAR MIXES
- GENERAL: DO NOT USE ADMIXTURES UNLESS OTHERWISE INDICATED.
  1. DO NOT USE CALCIUM CHLORIDE.
  2. USE PORTLAND CEMENT-LIME OR MORTAR CEMENT MORTAR UNLESS OTHERWISE INDICATED.
  3. MIXING POINTING MORTAR: THOROUGHLY MIX CEMENTITIOUS AND AGGREGATE MATERIALS TOGETHER BEFORE ADDING WATER. THEN MIX AGAIN, ADDING ONLY ENOUGH WATER TO PRODUCE A DAMP, UNWORKABLE MIX THAT WILL RETAIN ITS FORM WHEN PRESSED INTO A BALL. MAINTAIN MORTAR IN THIS DAMPENED CONDITION FOR ONE TO TWO HOURS. ADD REMAINING WATER IN SMALL PORTIONS UNTIL MORTAR REACHES REQUIRED CONSISTENCY. USE MORTAR WITHIN 30 MINUTES OF FINAL MIXING; DO NOT RETEMPER OR USE PARTIALLY HARDENED MATERIAL.
- MORTAR FOR STONE MASONRY: COMPLY WITH ASTM C 270, PROPORTION SPECIFICATION.
  1. MORTAR FOR SETTING STONE: TYPE S.
  2. MORTAR FOR POINTING STONE: TYPE N.
- LATEX-MODIFIED PORTLAND CEMENT SETTING MORTAR: PROPORTION AND MIX PORTLAND CEMENT, AGGREGATE, AND LATEX ADDITIVE TO COMPLY WITH LATEX-ADDITIVE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- CEMENT-PASTE BOND COAT: MIX EITHER NEAT CEMENT AND WATER OR CEMENT, SAND, AND WATER TO A CONSISTENCY SIMILAR TO THAT OF THICK CREAM.
  1. FOR LATEX-MODIFIED, PORTLAND CEMENT, SETTING-BED MORTAR, SUBSTITUTE LATEX ADMIXTURE FOR PART OR ALL OF WATER, ACCORDING TO LATEX-ADDITIVE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- MORTAR FOR SCRATCH COAT OVER METAL LATH: 1 PART PORTLAND CEMENT, 1/2-PART LIME, 5 PARTS LOOSE DAMP SAND, AND ENOUGH WATER TO PRODUCE A WORKABLE CONSISTENCY.
- MORTAR FOR SCRATCH COAT OVER UNIT MASONRY: 1 PART PORTLAND CEMENT, 1-PART LIME, 7 PARTS LOOSE DAMP SAND, AND ENOUGH WATER TO PRODUCE A WORKABLE CONSISTENCY.
- PIGMENTED MORTAR: USE COLORED CEMENT PRODUCT OR SELECT AND PROPORTION PIGMENTS WITH OTHER INGREDIENTS TO PRODUCE COLOR REQUIRED. DO NOT ADD PIGMENTS TO COLORED CEMENT PRODUCTS.
  1. PIGMENTS SHALL NOT EXCEED 10 PERCENT OF PORTLAND CEMENT BY WEIGHT.
  2. PIGMENTS SHALL NOT EXCEED 5 PERCENT OF MORTAR CEMENT BY WEIGHT.

SECTION 061000 - ROUGH CARPENTRY

SUMMARY

THIS SECTION INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR ROUGH CARPENTRY SPECIFIED HEREIN FOR.

WOOD PRODUCTS, GENERAL
- LUMBER: DOC PS 20 AND APPLICABLE RULES OF GRADING AGENCIES INDICATED. IF NO GRADING AGENCY IS INDICATED, PROVIDE LUMBER THAT COMPLIES WITH THE APPLICABLE RULES OF ANY RULES-WRITING AGENCY CERTIFIED BY THE ALSC BOARD OF REVIEW. PROVIDE LUMBER GRADED BY AN AGENCY CERTIFIED BY THE ALSC BOARD OF REVIEW TO INSPECT AND GRADE LUMBER UNDER THE RULES INDICATED.
  1. FACTORY MARK EACH PIECE OF LUMBER WITH GRADE STAMP OF GRADING AGENCY.
  2. FOR EXPOSED LUMBER INDICATED TO RECEIVE A STAINED OR NATURAL FINISH, OMIT GRADE STAMP AND PROVIDE CERTIFICATES OF GRADE COMPLIANCE ISSUED BY GRADING AGENCY.
  3. PROVIDE DRESSED LUMBER, S4S, UNLESS OTHERWISE INDICATED.
- MAXIMUM MOISTURE CONTENT OF LUMBER: 15 PERCENT FOR 2-INCH NOMINAL (38-mm actual) THICKNESS OR LESS, 19 PERCENT FOR MORE THAN 2-INCH NOMINAL (38-mm actual) THICKNESS UNLESS OTHERWISE INDICATED.
- ENGINEERED WOOD PRODUCTS: PROVIDE ENGINEERED WOOD PRODUCTS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND FOR WHICH CURRENT MODEL CODE RESEARCH OR EVALUATION REPORTS EXIST THAT SHOW COMPLIANCE WITH BUILDING CODE IN EFFECT FOR PROJECT.

WOOD-PRESERVATIVE-TREATED LUMBER
- PRESERVATIVE TREATMENT BY PRESSURE PROCESS: AWPA U1; USE CATEGORY UC2 FOR INTERIOR CONSTRUCTION NOT IN CONTACT WITH THE GROUND, USE CATEGORY UC3B FOR EXTERIOR CONSTRUCTION NOT IN CONTACT WITH THE GROUND, AND USE CATEGORY UC4A FOR ITEMS IN CONTACT WITH THE GROUND.
  1. PRESERVATIVE CHEMICALS: ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND CONTAINING NO ARSENIC OR CHROMIUM.
- KILN-DRY LUMBER AFTER TREATMENT TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT. DO NOT USE MATERIAL THAT IS WARPED OR THAT DOES NOT COMPLY WITH REQUIREMENTS FOR UNTREATED MATERIAL.
- MARK LUMBER WITH TREATMENT QUALITY MARK OF AN INSPECTION AGENCY APPROVED BY THE ALSC BOARD OF REVIEW.

DIMENSION LUMBER FRAMING
- NON-LOAD-BEARING INTERIOR PARTITIONS: CONSTRUCTION OR NO. 2 GRADE.
  1. APPLICATION: INTERIOR PARTITIONS NOT INDICATED AS LOAD-BEARING.
  2. SPECIES:
     A. MIXED SOUTHERN PINE; SPIB.
     B. NORTHERN SPECIES; NLGA.
     C. EASTERN SOFTWOODS; NELMA.
     D. WESTERN WOODS; WCLIB OR WWPA.
- LOAD-BEARING PARTITIONS: GRADE VARIES, SEE DRAWINGS.
  1. APPLICATION: EXTERIOR WALLS AND INTERIOR LOAD-BEARING PARTITIONS.
  2. SPECIES: SEE DRAWINGS.

ENGINEERED WOOD PRODUCTS
- ENGINEERED WOOD PRODUCTS, GENERAL: PRODUCTS SHALL CONTAIN NO UREA FORMALDEHYDE.
- LAMINATED-VENEER LUMBER: STRUCTURAL COMPOSITE LUMBER MADE FROM WOOD VENEERS WITH GRAIN PRIMARILY PARALLEL TO MEMBER LENGTHS, EVALUATED AND MONITORED ACCORDING TO ASTM D 5456 AND MANUFACTURED WITH AN EXTERIOR-TYPE ADHESIVE COMPLYING WITH ASTM D 2559.
  1. REFER TO STRUCTURAL DRAWINGS FOR DESIGN LOAD REQUIREMENTS.

PLYWOOD BACKING PANELS
- EQUIPMENT BACKING PANELS: DOC PS 1, EXPOSURE 1, C-D PLUGGED, FIRE-RETARDANT TREATED, IN THICKNESS INDICATED OR, IF NOT INDICATED, NOT LESS THAN 3/4-INCH (19-mm) NOMINAL THICKNESS.

FASTENERS
- GENERAL: PROVIDE FASTENERS OF SIZE AND TYPE INDICATED THAT COMPLY WITH REQUIREMENTS SPECIFIED IN THIS ARTICLE FOR MATERIAL AND MANUFACTURE.
  1. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, PRESSURE-PRESERVATIVE TREATED, OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH HOT-DIP ZINC COATING COMPLYING WITH ASTM A 153/A 153M .
- POWER-DRIVEN FASTENERS: NES NER-272.
- BOLTS: STEEL BOLTS COMPLYING WITH ASTM A 307, GRADE A ASTM A 563 HEX NUTS AND, WHERE INDICATED, FLAT WASHERS.
- LAG BOLTS: ASTM B18.2.1.
- BOLTS: STEEL BOLTS COMPLYING WITH ASTM A 307, GRADE A: WITH ASTM A 563 HEX NUTS AND WHERE INDICATED, FLAT WASHERS.
- EXPANSION ANCHORS: ANCHOR BOLTS AND SLEEVE ASSEMBLY OF MATERIAL INDICATED BELOW WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO SIX TIMES THE LOAD IMPOSED WHEN INSTALLED IN UNIT MASONRY ASSEMBLIES PER ASTM E 488 CONDUCTED BY A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY.
  1. MATERIAL: STAINLESS STEEL WITH BOLTS AND NUTS COMPLYING WITH ASTM F 593 AND ASTM F 594, ALLOY GROUP 1 OR 2.

SECTION 061000 - ROUGH CARPENTRY (CONT.)

METAL FRAMING ANCHORS
- ALLOWABLE DESIGN LOADS: PROVIDE PRODUCTS WITH ALLOWABLE DESIGN LOADS, AS PUBLISHED BY MANUFACTURER, THAT MEET OR EXCEED THOSE INDICATED. MANUFACTURER'S PUBLISHED VALUES SHALL BE DETERMINED FROM EMPIRICAL DATA OR BY RATIONAL ENGINEERING ANALYSIS AND DEMONSTRATED BY COMPREHENSIVE TESTING PERFORMED BY A QUALIFIED INDEPENDENT TESTING AGENCY.
- GALVANIZED-STEEL SHEET: HOT-DIP, ZINC-COATED STEEL SHEET COMPLYING WITH ASTM A 653/A 653M, G60 (Z180) COATING DESIGNATION.
  1. USE FOR INTERIOR LOCATIONS UNLESS OTHERWISE INDICATED.
- HOT-DIP, HEAVY-GALVANIZED STEEL SHEET: ASTM A 653/A 653M; STRUCTURAL STEEL (SS), HIGH-STRENGTH LOW-ALLOY STEEL TYPE A (HSLAS TYPE A), OR HIGH-STRENGTH LOW-ALLOY STEEL TYPE B (HSLAS TYPE B); G185 (Z550) COATING DESIGNATION; AND NOT LESS THAN 0.036 INCH (0.9 mm) THICK.
  1. USE FOR WOOD-PRESERVATIVE-TREATED LUMBER AND WHERE INDICATED.

SECTION 072100 - FOAMED IN PLACE INSULATION

SUMMARY

SECTION INCLUDES: ALL LABOR, MATERIALS & EQUIPMENT NECESSARY FOR SPRAY POLYURETHANE FOAM INSULATION HEREIN

QUALITY ASSURANCE
- SOURCE LIMITATIONS: PROVIDE EACH TYPE OF PRODUCT FROM A SINGLE MANUFACTURING SOURCE TO ENSURE UNIFORMITY.
- MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING PRODUCTS SPECIFIED IN THIS SECTION WITH A MINIMUM FIVE YEARS DOCUMENTED EXPERIENCE.
  1. SPRAY FOAM SYSTEM COMPOUNDER SHALL BE A MEMBER OF CPI AND ISO 9001 CERTIFIED.
  2. PROVIDE FOAM PRODUCTS WHICH COMPLY WITH APPLICABLE REGULATIONS CONTROLLING THE USE OF VOLATILE ORGANIC COMPOUNDS (VOC), WITH A MAXIMUM VOC CONTENT LESS THAN 50 G/L.
- INSTALLER QUALIFICATIONS: COMPANY SPECIALIZING IN PERFORMING WORK OF THIS SECTION WITH MINIMUM TWO YEARS DOCUMENTED EXPERIENCE WITH PROJECTS OF SIMILAR SCOPE AND COMPLEXITY.
  1. APPROVED BY THE FOAM MANUFACTURER AS QUALIFIED TO INSTALL THE SPECIFIED SYSTEM OR BE CERTIFIED BY THE SPRAY POLYURETHANE FOAM ALLIANCE SPFA) PROFESSIONAL CERTIFICATION PROGRAM (PCP).
  2. PROVIDE INFORMATION CONCERNING PROJECTS SIMILAR IN NATURE TO THE ONE PROPOSED INCLUDING LOCATION AND PERSON TO BE CONTACTED.
  3. CURRENTLY ACCREDITED BY ABAA AND WHOSE APPLICATORS ARE CERTIFIED IN ACCORDANCE WITH THE ABAA QUALITY ASSURANCE PROGRAM.
  4. COMPLETION OF MANUFACTURER'S TRAINING PROGRAM FOR INSTALLATION OF SPECIFIED AIR BARRIER, AND NOT LESS THAN 5 INSTALLATIONS SIMILAR IN SIZE AND COMPLEXITY IN THE PAST 3 YEARS.
  5. INSTALLERS SHALL HAVE THEIR PHOTO IDENTIFICATION CERTIFICATION CARDS IN THEIR POSSESSION AND AVAILABLE ON THE PROJECT SITE, FOR INSPECTION UPON REQUEST.

WARRANTY
- MANUFACTURER'S STANDARD 3 YEAR LIMITED WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION UNLESS INDICATED OTHERWISE.
- GENERAL: THE CONTRACTOR SHALL WARRANT THE SPRAYED FOAM AIR BARRIER TO BE FREE OF DEFECTS IN ACCORDANCE WITH THE GENERAL CONDITIONS. THIS WARRANTY SHALL BE EXTENDED BY THE FOLLOWING MANUFACTURER AND INSTALLER WARRANTIES:
  1. MATERIAL WARRANTY: PROVIDE MANUFACTURER'S WARRANTY INDICATING THE SPRAYED FOAM AIR BARRIER WILL BE FREE OF DEFECTS IN MATERIALS.
     A. WARRANTY PERIOD: 3 YEARS FROM DATE OF SUBSTANTIAL COMPLETION OF SPRAY FOAM AIR BARRIER INSTALLATION.
  2. INSTALLATION WARRANTY: PROVIDE INSTALLER'S WARRANTY THAT THE SPRAYED FOAM AIR BARRIER INSTALLATION IS FREE OF DEFECTS IN WORKMANSHIP, INCLUDING ALL COMPONENTS OF THE SPRAYED FOAM AIR BARRIER MANUFACTURER'S AIR BARRIER ASSEMBLY.

MANUFACTURERS
- ACCEPTABLE MANUFACTURER: BASF CORPORATION - SPRAY FOAM,OR EQUIVALENT

SPRAY CLOSED CELL POLYURETHANE FOAM (CCSPF) INSULATING AIR BARRIER SYSTEM FOR EXTERIOR WALL ASSEMBLIES
- PERFORMANCE REQUIREMENTS:
  1. AIR PERMEANCE PER ASTM E2357: NOT TO EXCEED 0.42 CFM PER SQ FT OF SURFACE AREA AT 1.57 LBF PER SQ FT (0.2 L PER S PER SQ M OF SURFACE AREA AT 75 PA).
  2. SYSTEM PERFORMANCE PER ASTM 2357: SUBSTANTIATE AIR BARRIER MATERIAL USED AS OR IN A SYSTEM ASSEMBLY, HAS AN AIR PERMEANCE NOT EXCEEDING 0.42 CFM PER SQ FT OF SURFACE AREA AT 1.57 LBF/SQ. FT. (0.2 L PER S PER SQ M OF SURFACE AREA AT 75 PA).
  3. WALL ASSEMBLY:
     A. EXTERIOR WALL ASSEMBLY: COMPLY WITH NFPA 285.
     B. WALL MUST HAVE A POTENTIAL HEAT OF 1961 BTU PER SQ FT (22.3 MJ PER SQ M) OR LESS, PER INCH (25 MM) OF THICKNESS WHEN TESTED IN ACCORDANCE WITH NFPA 259.
     C. FIRE RESISTANT ASSEMBLIES: IF A FIRE-RESISTANCE RATING IS REQUIRED FOR THE WALL ASSEMBLY, THEN THE WALL MUST BE TESTED IN ACCORDANCE WITH ASTM E 119 OR UL 263 OR HAVE SUBSTANTIATION IN THE FORM OF AN ENGINEERING JUDGMENT BASED ON RESULTS FROM TESTED ASSEMBLIES.
  4. CONNECTIONS TO ADJACENT MATERIALS AND ASSEMBLIES: PROVIDE CONNECTIONS TO PREVENT AIR LEAKAGE AT THE FOLLOWING LOCATIONS:
     A. FOUNDATION AND WALLS, INCLUDING PENETRATIONS, TIES, AND ANCHORS.
     B. WALL AND BUILDING FENESTRATIONS E.G., DOORS, STOREFRONTS, WINDOWS, CURTAIN WALLS, AND LOUVERS.
     C. DISSIMILAR WALL ASSEMBLIES AND FIXED OPENINGS WITHIN THOSE ASSEMBLIES.
     D. WALL AND ROOF CONNECTIONS.
     E. FLOORS OVER UNCONDITIONED SPACE.
     F. WALLS, FLOOR AND ROOF ACROSS CONSTRUCTION, CONTROL, AND EXPANSION JOINTS.
     G. UTILITY, PIPE, AND DUCT PENETRATIONS.
     H. SEISMIC AND EXPANSION AND CONTROL JOINTS.
     I. LEAKAGE PATHWAYS IN THE BUILDING ENVELOPE.
- CLOSED CELL SPRAY POLYURETHANE FOAM AIR BARRIER SYSTEM:
  1. FOAM: WALLTITE LWP AT MANUFACTURED BY BASF. COMPLY WITH ASTM C1029, TYPE II. LOW GLOBAL WARMING POTENTIAL SPRAY FOAM AIR BARRIER SYSTEM.
     A. PROPERTIES:
        1) DENSITY PR ASTM D1622: NOMINAL 2.0 LBS PER CU FT (32 KG PER CU M).
        2) CLOSED-CELL CONTENT PER ASTM D6226: 90 PERCENT MINIMUM.
        3) DESIGN R-VALUES PER ASTM C518: R 6.6 PER 1 INCH (25 MM) THICKNESS. R 27 AT 4 INCHES (102 MM) THICK.
        4) FLAME SPREAD PER ASTM E84: 25 OR LESS.
        5) SMOKE DEVELOPED PER ASTM E84: 450 OR LESS.
        6) COMPRESSIVE STRENGTH PER ASTM D1621: 26 PSI (0.18 MPA) MINIMUM.
        7) TENSILE STRENGTH PER ASTM D1623 TYPE C: 62.4 PSI (0.43 MPA) MINIMUM.
        8) WATER VAPOR TRANSMISSION PER ASTM E96: 1.09 PERM-INCH (79.6 NG PER PA PER SEC DE SQ M AT 25 MM) THICK.
        9) BLOWING AGENT: EPA APPROVED, ZERO OZONE-DEPLETING, LOW GLOBAL WARMING POTENTIAL HFO BLOWING AGENT.
        10) FUNGI RESISTANCE PER ASTM C1338: PASS.

SECTION 073500 - WEATHER RESISTANT BARRIERS

SUMMARY

THIS SECTION INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE ALL WORK SHOWN ON DRAWINGS & SPECIFIED HEREIN. WRB SHOULD COMPLY W/ ASTM E96/E96M - STANDARD TEST METHODS FOR WATER VAPOR TRANSMISSION OF MATERIALS, 2013.

WEATHER BARRIER ASSEMBLIES
- EXTERIOR VAPOR RETARDER: ON OUTSIDE SURFACE OF SHEATHING IN CANOPY ASSEMBLIES & SIMILAR DETAIL CONDITIONS, INSTALLED BEHIND OTHER CLADDING SYSTEMS.

VAPOR RETARDER MATERIALS (AIR, WATER & VAPOR BARRIER)
- VAPOR RETARDER SHEET TYPE WRB-2: ASTM D1970. LIMITED USE FOR ACCESSORY APPLICATIONS
  1. TYPE: RUBBERIZED ASPHAULT BONDED TO THERMOPLASTIC SHEET, SELF-ADHESIVE
  2. THICKNESS: 40 MIL (0.040"), NOMINAL
  3. SHEET WIDTH: 18" X 24" X 36"
  4. WATER VAPOR PERMENANCE: 0.1 PERM, MAXIMUM WHEN TESTED IN ACCORDANCE W/ ASTM E96/E96M.
- BUILDING MEMBRANE (AIR, WATER & VAPOR BARRIER COATING): SPRAYED ELASTOMERIC, U-V RESISTANT COATING CAPABLE OF BEING APPLIED TO FIBERGLASS FACED GYPSUM SHEATHING, DAMP MASONRY & GREEN CONCRETE WITHOUT ADVERSE EFFECT ON ADHESION; COMPLYING W/ REQUIREMENTS OF ASTM C 836 EXCEPT FOR MINIMUM FILM THICKNESS.
  1. WET FILM THICKNESS: 60 MILS, MINIMUM.
  2. WATER VAPOR PERMENANCE: 0.1 PERM, MAXIMUM, WHEN TESTED IN ACCORDANCE W/ ASTM E96/E96M.
  3. VOC CONTENT: LESS THAN 50G/L WHEN TESTED IN ACCORDANCE W/ 40 CFR 59 SUBPART D (EPA METHOD 24)
  4. VOC CONTENT: LESS THAN 0.014 LBS/GALLON WHEN TESTED IN ACCORDANCE W/ 40 CFR 59 SUBPART D (EPA METHOD 24)
  5. RESISTANCE TO FUNGAL GROWTH: PASS AATCC TEST METHOD 30.
  6. APPLICATION TEMPERATURE: FROM MINUS 10 DEGREES F TO 200 DEGREES F.
  7. SUITABLE FOR USE ON CONCRETE, MASONRY, PLYWOOD & GYPSUM SHEATHING.
  8. JOINT PREPARATION TREATMENT: COATING MANUFACTURER'S RECOMMENDED METHOD, EITHER TAPE OR REINFORCING MESH SATURATED W/ COATING MATERIAL.
  9. ACCEPTABLE PRODUCTS:
     A. GRACE CONSTRUCTION PRODUCTS: PERM-A-BARRIER LIQUID
     B. CARSILE COATINGS & WATERPROFFING: BARRISEAL-S
     C. TREMCO: EXOAIR SP
     D. HENRY COMPANY: AIR-BLOC 32

SECTION 076200 - SHEET METAL FLASHING AND TRIM

SUMMARY

SECTION INCLUDES: ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR SHEET METAL FLASHING AND TRIM SPECIFIED HEREIN.

PERFORMANCE REQUIREMENTS
- GENERAL: SHEET METAL FLASHING AND TRIM ASSEMBLIES SHALL WITHSTAND WIND LOADS, STRUCTURAL MOVEMENT, THERMALLY INDUCED MOVEMENT, AND EXPOSURE TO WEATHER WITHOUT FAILURE DUE TO DEFECTIVE MANUFACTURE, FABRICATION, INSTALLATION, OR OTHER DEFECTS IN CONSTRUCTION. COMPLETED SHEET METAL FLASHING AND TRIM SHALL NOT RATTLE, LEAK, OR LOOSEN, AND SHALL REMAIN WATERTIGHT.
- SHEET METAL STANDARD FOR FLASHING AND TRIM: COMPLY WITH SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" REQUIREMENTS FOR DIMENSIONS AND PROFILES SHOWN UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.
- THERMAL MOVEMENTS: ALLOW FOR THERMAL MOVEMENTS FROM AMBIENT AND SURFACE TEMPERATURE CHANGES.
  1. TEMPERATURE CHANGE: 120 DEG F (67 deg C), AMBIENT; 180 DEG F (100 deg C), MATERIAL SURFACES

SHEET METALS
- GENERAL: PROTECT MECHANICAL AND OTHER FINISHES ON EXPOSED SURFACES FROM DAMAGE BY APPLYING STRIPPABLE, TEMPORARY PROTECTIVE FILM BEFORE SHIPPING.
- ALUMINUM SHEET: ASTM B 209 (ASTM B 209M), ALLOY AS STANDARD WITH MANUFACTURER FOR FINISH REQUIRED, WITH TEMPER AS REQUIRED TO SUIT FORMING OPERATIONS AND PERFORMANCE REQUIRED.
- METALLIC-COATED STEEL SHEET: PROVIDE ZINC-COATED (GALVANIZED) STEEL SHEET ACCORDING TO ASTM A 653/A 653M, G90 (Z275) COATING DESIGNATION; PREPAINTED BY COIL-COATING PROCESS TO COMPLY WITH ASTM A 755/A 755M.

UNDERLAYMENT MATERIALS
- FELT: ASTM D 226/D 226M, TYPE II (NO. 30), ASPHALT-SATURATED ORGANIC FELT; NONPERFORATED.
- SELF-ADHERING, HIGH-TEMPERATURE SHEET: MINIMUM 30 MILS (0.76 mm) THICK, CONSISTING OF A SLIP-RESISTANT POLYETHYLENE- OR POLYPROPYLENE-FILM TOP SURFACE LAMINATED TO A LAYER OF BUTYL- OR SBS-MODIFIED ASPHALT ADHESIVE, WITH RELEASE-PAPER BACKING; SPECIFICALLY DESIGNED TO WITHSTAND HIGH METAL TEMPERATURES BENEATH METAL ROOFING. PROVIDE PRIMER ACCORDING TO WRITTEN RECOMMENDATIONS OF UNDERLAYMENT MANUFACTURER.
  1. THERMAL STABILITY: ASTM D 1970; STABLE AFTER TESTING AT 240 DEG F (116 deg C) OR HIGHER.
  2. LOW-TEMPERATURE FLEXIBILITY: ASTM D 1970; PASSES AFTER TESTING AT MINUS 20 DEG F (29 deg C) OR LOWER.
- SLIP SHEET: ROSIN-SIZED BUILDING PAPER, 3 LB/100 SQ. FT. (0.16 kg/sq. m) MINIMUM.

KAEDING
ARCHITECTURE

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PROJECT INFORMATION:

OLD TOWN CONCESSIONS
NEW BUILDING

WILLKOMMEN
MEMORIAL PARK
13 SE 1ST AVE
NORWOOD YOUNG
AMERICA, MN 55397

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

JENNIFER KAEDING, AIA

51456 — REGISTRATION #

4/12/23 — DATE

ISSUE RECORD:

	2/9/23	CONSTRUCTION DOCUMENTS
	4/12/23	CD REISSUE

PROJECT: OLD TOWN CONCESSIONS

DATE: 04/12/23

DRAWN BY: BBAKER

CHECKED BY: JKAEDING

SHEET NAME:

PERFORMANCE SPECIFICATIONS

SHEET NUMBER:

N

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SECTION 079200 - JOINT SEALANTS

SUMMARY

THIS SECTION INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR JOINT SEALANTS SPECIFIED HEREIN.

JOINT SEALANTS, GENERAL

- COLORS OF EXPOSED JOINT SEALANTS: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

SILICONE JOINT SEALANTS

- SILICONE, S, NS, 50, NT: SINGLE-COMPONENT, NONSAG, PLUS 50 PERCENT AND MINUS 50 PERCENT MOVEMENT CAPABILITY, NONTRAFFIC-USE, NEUTRAL-CURING SILICONE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 50, USE NT.
- SILICONE, S, NS, 25, NT: SINGLE-COMPONENT, NONSAG, PLUS 25 PERCENT AND MINUS 25 PERCENT MOVEMENT CAPABILITY, NONTRAFFIC-USE, NEUTRAL-CURING SILICONE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 25, USE NT.

URETHANE JOINT SEALANTS

- URETHANE, S, NS, 25, NT: SINGLE-COMPONENT, NONSAG, NONTRAFFIC-USE, PLUS 25 PERCENT AND MINUS 25 PERCENT MOVEMENT CAPABILITY, URETHANE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 25, USE NT.
- URETHANE, S, NS, 25, T, NT: SINGLE-COMPONENT, NONSAG, PLUS 25 PERCENT AND MINUS 25 PERCENT MOVEMENT CAPABILITY, TRAFFIC- AND NONTRAFFIC-USE, URETHANE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 25, USES T AND NT.
- URETHANE, S, P, 25, T, NT: SINGLE-COMPONENT, POURABLE, PLUS 25 PERCENT AND MINUS 25 PERCENT MOVEMENT CAPABILITY, TRAFFIC- AND NONTRAFFIC-USE, URETHANE JOINT SEALANT; ASTM C 920, TYPE S, GRADE P, CLASS 25, USES T AND NT.
- PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE URETHANE, M, P, 50, T, NT: MULTICOMPONENT, POURABLE, PLUS 50 PERCENT AND MINUS 50 PERCENT MOVEMENT CAPABILITY, TRAFFIC- AND NONTRAFFIC-USE, URETHANE JOINT SEALANT; ASTM C 920, TYPE M, GRADE P, CLASS 50, USES T AND NT.

MILDEW-RESISTANT JOINT SEALANTS

- MILDEW-RESISTANT JOINT SEALANTS: FORMULATED FOR PROLONGED EXPOSURE TO HUMIDITY WITH FUNGICIDE TO PREVENT MOLD AND MILDEW GROWTH.
- SILICONE, MILDEW RESISTANT, ACID CURING, S, NS, 25, NT: MILDEW-RESISTANT, SINGLE-COMPONENT, NONSAG, PLUS 25 PERCENT AND MINUS 25 PERCENT MOVEMENT CAPABILITY, NONTRAFFIC-USE, ACID-CURING SILICONE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 25, USE NT.

JOINT-SEALANT BACKING

- CYLINDRICAL SEALANT BACKINGS: ASTM C 1330, [TYPE C (CLOSED-CELL MATERIAL WITH A SURFACE SKIN)] [TYPE O (OPEN-CELL MATERIAL)] [TYPE B (BICELLULAR MATERIAL WITH A SURFACE SKIN)] [OR ANY OF THE PRECEDING TYPES, AS APPROVED IN WRITING BY JOINT-SEALANT MANUFACTURER FOR JOINT APPLICATION INDICATED, AND OF SIZE AND DENSITY TO CONTROL SEALANT DEPTH AND OTHERWISE CONTRIBUTE TO PRODUCING OPTIMUM SEALANT PERFORMANCE.
- BOND-BREAKER TAPE: POLYETHYLENE TAPE OR OTHER PLASTIC TAPE RECOMMENDED BY SEALANT MANUFACTURER.

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES

SEE DOOR SCHEDULE

SECTION 081416 - FLUSH WOOD DOORS

SEE DOOR SCHEDULE

SECTION 083613 - SECTIONAL DOORS

SUMMARY

THIS SECTION INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR SECTIONAL DOORS SPECIFIED HEREIN.

PERFORMANCE REQUIREMENTS

- GENERAL PERFORMANCE: SECTIONAL DOORS SHALL MEET PERFORMANCE REQUIREMENTS SPECIFIED WITHOUT FAILURE DUE TO DEFECTIVE MANUFACTURE, FABRICATION, INSTALLATION, OR OTHER DEFECTS IN CONSTRUCTION AND WITHOUT REQUIRING TEMPORARY INSTALLATION OF REINFORCING COMPONENTS.
- STRUCTURAL PERFORMANCE: EXTERIOR SECTIONAL DOORS SHALL WITHSTAND THE EFFECTS OF GRAVITY LOADS, AND THE FOLLOWING LOADS AND STRESSES WITHIN LIMITS AND UNDER CONDITIONS INDICATED ACCORDING TO ASCE/SEI 7.
  1. WIND LOADS: UNIFORM PRESSURE (VELOCITY PRESSURE) OF 20 LBF/SQ. FT. (960 Pa), ACTING INWARD AND OUTWARD.
- AIR INFILTRATION: MAXIMUM RATE NOT MORE THAN INDICATED WHEN TESTED ACCORDING TO [ASTM E 283] OR DASMA 105.
  1. AIR INFILTRATION: MAXIMUM RATE OF 0.08 CFM/SQ. FT. (0.406 L/s per sq. m) AT 15 AND 25 MPH (24.1 and 40.2 km/h).
- SEISMIC PERFORMANCE: SECTIONAL DOORS SHALL WITHSTAND THE EFFECTS OF EARTHQUAKE MOTIONS DETERMINED ACCORDING TO ASCE/SEI 7.

STEEL DOOR SECTIONS

- EXTERIOR SECTION FACES AND FRAMES: FABRICATE FROM MANUFACTURER'S STANDARD ZINC-COATED (GALVANIZED), COLD-ROLLED, STEEL SHEET.
  1. ROLL HORIZONTAL MEETING EDGES TO A CONTINUOUS, INTERLOCKING, KEYED, RABBETED, SHIPLAP, OR TONGUE-IN-GROOVE WEATHERTIGHT SEAL, WITH A REINFORCING FLANGE RETURN.
  2. FOR INSULATED DOORS, PROVIDE SECTIONS WITH CONTINUOUS THERMAL-BREAK CONSTRUCTION, SEPARATING THE EXTERIOR AND INTERIOR FACES OF DOOR.
- SECTION ENDS AND INTERMEDIATE STILES: ENCLOSE OPEN ENDS OF SECTIONS WITH CHANNEL END STILES FORMED FROM GALVANIZED-STEEL SHEET WELDED TO DOOR SECTION. PROVIDE INTERMEDIATE STILES FORMED FROM GALVANIZED-STEEL SHEET, CUT TO DOOR SECTION PROFILE, AND WELDED IN PLACE. SPACE STILES NOT MORE THAN 48 INCHES (1219 mm) APART.
- REINFORCE BOTTOM SECTION WITH A CONTINUOUS CHANNEL OR ANGLE CONFORMING TO BOTTOM-SECTION PROFILE AND ALLOWING INSTALLATION OF ASTRAGAL.
- REINFORCE SECTIONS WITH CONTINUOUS HORIZONTAL AND DIAGONAL REINFORCEMENT, AS REQUIRED TO STIFFEN DOOR AND FOR WIND LOADING. PROVIDE GALVANIZED-STEEL BARS, STRUTS, TRUSSES, OR STRIP STEEL, FORMED TO DEPTH, AND BOLTED OR WELDED IN PLACE.
- PROVIDE REINFORCEMENT FOR HARDWARE ATTACHMENT.
- THERMAL INSULATION: INSULATE INTERIOR OF STEEL SECTIONS WITH DOOR MANUFACTURER'S STANDARD [CFC-FREE] INSULATION, WITH MAXIMUM FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF 75 AND 450, RESPECTIVELY, ACCORDING TO ASTM E 84. ENCLOSE INSULATION COMPLETELY WITHIN STEEL SECTIONS THAT INCORPORATE THE FOLLOWING INTERIOR FACING MATERIAL, WITH NO EXPOSED INSULATION:
  1. INTERIOR FACING MATERIAL: ZINC-COATED (GALVANIZED), COLD-ROLLED, COMMERCIAL STEEL (CS) SHEET.

ALUMINUM DOOR SECTIONS

- SECTIONS: CONSTRUCT DOOR SECTIONS WITH STILES AND RAILS FORMED FROM EXTRUDED-ALUMINUM SHAPES. FABRICATE SECTIONS WITH STILE AND RAIL DIMENSIONS AND PROFILES SHOWN ON DRAWINGS. JOIN STILES AND RAILS BY WELDING OR WITH CONCEALED ALUMINUM OR NONMAGNETIC STAINLESS-STEEL THROUGH BOLTS, FULL HEIGHT OF DOOR SECTION. FORM MEETING RAILS TO PROVIDE A WEATHERTIGHT-SEAL JOINT.
- REINFORCE SECTIONS WITH CONTINUOUS HORIZONTAL AND DIAGONAL REINFORCEMENT, AS REQUIRED TO STIFFEN DOOR AND FOR WIND LOADING. [ENSURE THAT REINFORCEMENT DOES NOT OBSTRUCT VISION LITES.]
- PROVIDE REINFORCEMENT FOR HARDWARE ATTACHMENT.
- SOLID PANELS: FABRICATE OF ALUMINUM SHEET SET IN CONTINUOUS VINYL CHANNEL RETAINED WITH RIGID, SNAP-IN, EXTRUDED-VINYL MOLDINGS OR WITH RUBBER OR NEOPRENE GLAZING GASKET WITH ALUMINUM STOP.
- FULL-VISION SECTIONS IN PARAGRAPH BELOW ARE MANUFACTURERS' STANDARD, GLAZED, ALUMINUM-FRAMED SECTIONS. GLAZING BELOW IS AN EXAMPLE ONLY; REVISE TO SUIT PROJECT AND VERIFY AVAILABILITY WITH MANUFACTURERS.
- FULL-VISION SECTIONS: MANUFACTURER'S STANDARD, TUBULAR, ALUMINUM-FRAMED SECTION FULLY GLAZED WITH 6-MM-THICK, CLEAR ACRYLIC GLAZING SET IN VINYL, RUBBER, OR NEOPRENE GLAZING CHANNEL AND WITH REMOVABLE EXTRUDED-VINYL OR ALUMINUM STOPS.

SECTION 092400 - STUCCO

SUMMARY

THIS SECTION INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR STUCCO AND ACCESORY PRODUCTS.

QUALITY ASSURANCE

- MANUFACTURER QUALIFICATIONS: FIRM SPECIALIZING IN MANUFACTURE OF MASONRY MATERIALS WITH MINIMUM 10 YEARS' EXPERIENCE.
- INSTALLER QUALIFICATIONS: MINIMUM 5 YEAR EXPERIENCE INSTALLING SIMILAR PRODUCTS.
- MOCK-UP: PROVIDE A MOCK-UP FOR EVALUATION OF SURFACE PREPARATION TECHNIQUES AND APPLICATION WORKMANSHIP.
  1. FINISH AREAS DESIGNATED BY ARCHITECT.
  2. DO NOT PROCEED WITH REMAINING WORK UNTIL WORKMANSHIP IS APPROVED BY ARCHITECT.
3. REFINISH MOCK-UP AREA AS REQUIRED TO PRODUCE ACCEPTABLE WORK.

MANUFACTURERS

- ACCEPTABLE MANUFACTURER: AMERIMIX OR EQUIVALENT

MATERIALS

- STUCCO: PORTLAND CEMENT STUCCO BY AMERIMIX COMPANIES COMPRISED OF THE FOLLOWING BASE FINISH COATS:
  1. BASE COAT: AMERIMIX AMX 700 SBF SCRATCH, BROWN & FINISH STUCCO.
  2. BASE COAT: AMERIMIX AMX 715 PP PREMIUM PLUS STUCCO.
  3. BASE COAT: AMERIMIX AMX 740 FSB FIBER SCRATCH & BROWN STUCCO.
  4. BASE COAT: AMERIMIX AMX 750 FBC FIBER BASE COAT STUCCO.
  5. FINISH COAT: AMERIMIX AMX 775 C - COLORED STUCCO.
  6. FINISH COAT: AMERIMIX AMX 780 STF STUCCO TEXTURE FINISH.
  7. FINISH COAT: AMERIMIX AMX 790 SST STUCCO SAND TEXTURE.
- ACCESSORY PRODUCTS:
  1. FLASHING: CORROSION RESISTANT MATERIALS.
  2. MOISTURE BARRIER: ASPHALT SATURATED FELT- ASTM D 226.
  3. BUILDING PAPER: FEDERAL SPECIFICATION UU-B-790A, GRADE B, MODERATE WATER VAPOR PERMEABLE OR GRADE D, WATER VAPOR PERMEABLE.
  4. BUILDING WRAP: TYVEK STUCCO WRAP.
- PLASTER TRIM ACCESSORIES:
  1. PROPERLY SIZED FOR THE SPECIFIED APPLICATION.
  2. AS SPECIFIED OR AS INDICATED ON THE DRAWINGS.
  3. WITH WEEP HOLES WHEN USED AT BASE OF WALL.
- LATH (CONVENTIONAL STUCCO SYSTEMS) INSTALLED PER ASTM C 1063 / LATH (ONE COAT STUCCO SYSTEM) PER ICC-ESR #3529:
  1. EXPANDED METAL LATH - ASTM C 847, GALVANIZED STEEL, (2.5 POUNDS PER SQUARE YARD (1.4 KG/M2) 3.4 POUNDS PER SQUARE YARD (1.8 KG/M2) SELF-FURRING.
  2. WOVEN WIRE LATH - ASTM D 1032, GALVANIZED STEEL.
  3. PLASTIC LATH - SUBMIT MANUFACTURER'S BUILDING CODE COMPLIANCE REPORT.
- JOINT SEALANTS: ASTM C 920, CLOSED CELL BACKER ROD COMPATIBLE WITH SEALANTS.

SECTION 092400 - STUCCO (CONT.)

MIXING

- MIXING PROCEDURE: FOLLOW PRODUCT MIXING INSTRUCTIONS FROM TECHNICAL DATA SHEETS
- RE-TEMPERING: USE CEMENT PLASTER WITHIN 1 HOURS OF INITIAL MIXING.
- HOT WEATHER: FOLLOW NATIONAL CONCRETE MASONRY ASSOCIATION RECOMMENDATIONS FOR HOT WEATHER CONSTRUCTION.
- COLD WEATHER: FOLLOW NATIONAL CONCRETE MASONRY ASSOCIATION RECOMMENDATIONS FOR COLD WEATHER CONSTRUCTION.

EXAMINATION

- DO NOT BEGIN INSTALLATION UNTIL SUBSTRATES HAVE BEEN PROPERLY PREPARED.
- IF SUBSTRATE PREPARATION IS THE RESPONSIBILITY OF ANOTHER INSTALLER, NOTIFY ARCHITECT OF UNSATISFACTORY PREPARATION. CORRECTIONS OF THE SUBSTRATE MUST BE MADE BEFORE PROCEEDING.

PREPARATION

- CLEAN SURFACES THOROUGHLY PRIOR TO INSTALLATION.
- PREPARE SURFACES IN ACCORDANCE WITH ASTM C 926 AND PRODUCTS PUBLISHED INFORMATION IN THE TECHNICAL DATA SHEET.
- PREPARE SURFACES USING THE METHODS RECOMMENDED BY THE MANUFACTURER FOR ACHIEVING THE BEST RESULT FOR THE SUBSTRATE UNDER THE PROJECT CONDITIONS.

INSTALLATION

- INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE APPLICABLE IBC, IRC, ASTM, ICC, AND LOCAL REQUIREMENTS.

CURING

- CURE AND PROVIDE TIME BETWEEN COATS IN ACCORDANCE WITH ASTM C 926 AND MANUFACTURER'S INSTRUCTIONS.
- PROVIDE SUFFICIENT MOISTURE IN THE PLASTER MIX BY CURING TO PERMIT CONTINUOUS HYDRATION OF THE CEMENTITIOUS MATERIALS.
- ALLOW SUFFICIENT TIME BETWEEN COATS TO PERMIT EACH COAT TO CURE AND DEVELOP SUFFICIENT STRENGTH TO RESIST CRACKING OR OTHER PHYSICAL DAMAGE BEFORE THE NEXT COAT IS APPLIED.
- WHERE ALLOWED BY LOCAL JURISDICTIONS, THE IBC ' ALTERNATIVE METHOD' MAY BE USED AS THE STANDARD FOR TIME BETWEEN COATS AND CURING.

CLEANING

- REMOVE AND DISPOSE OF ALL TEMPORARY MATERIALS USED TO PROTECT ADJACENT WORK AND SURROUNDING AREAS.
- REMOVE AND CLEAN FROM SURFACES NOT INTENDED TO RECEIVE THE AMERIMIX STUCCO.

PROTECTION

- PROTECT INSTALLED PRODUCTS UNTIL COMPLETION OF PROJECT.
- TOUCH-UP, REPAIR OR REPLACE DAMAGED PRODUCTS BEFORE SUBSTANTIAL COMPLETION.

SECTION 092900 - GYPSUM BOARD

SUMMARY

1. THIS SECTION INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR GYPSUM BOARD SPECIFIED HEREIN.

PERFORMANCE REQUIREMENTS

- FIRE-RESISTANCE-RATED ASSEMBLIES: FOR FIRE-RESISTANCE-RATED ASSEMBLIES, PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE TESTED IN ASSEMBLY INDICATED ACCORDING TO ASTM E 119 BY AN INDEPENDENT TESTING AGENCY.
- STC-RATED ASSEMBLIES: FOR STC-RATED ASSEMBLIES, PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE TESTED IN ASSEMBLY INDICATED ACCORDING TO ASTM E 90 AND CLASSIFIED ACCORDING TO ASTM E 413 BY AN INDEPENDENT TESTING AGENCY.

INTERIOR GYPSUM BOARD

- GYPSUM WALLBOARD: ASTM C 1396/C 1396M.
  1. THICKNESS: 5/8 INCH (12.7 mm).
  2. LONG EDGES: TAPERED.
- GYPSUM BOARD, TYPE X: ASTM C 1396/C 1396M.
  1. THICKNESS: 5/8 INCH (15.9 mm).
  2. LONG EDGES: TAPERED.
- FLEXIBLE GYPSUM BOARD: ASTM C 1396/C 1396M. MANUFACTURED TO BEND TO FIT RADII AND TO BE MORE FLEXIBLE THAN STANDARD REGULAR-TYPE GYPSUM BOARD OF SAME THICKNESS.
  1. THICKNESS: 1/4 INCH (6.4 mm).
  2. LONG EDGES: TAPERED.
- GYPSUM CEILING BOARD: ASTM C 1396/C 1396M.
  1. THICKNESS: 5/8 INCH (12.7 mm).
  2. LONG EDGES: TAPERED.
- ABUSE-RESISTANT GYPSUM BOARD: ASTM C 1629/C 1629M, LEVEL 2.
  1. CORE: AS INDICATED ON DRAWINGS.
  2. LONG EDGES: TAPERED.
  3. MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.
- MOISTURE- AND MOLD-RESISTANT GYPSUM BOARD: ASTM C 1396/C 1396M, WITH MOISTURE- AND MOLD-RESISTANT CORE AND PAPER SURFACES.
  1. CORE: AS INDICATED. (12.7 mm)
  2. LONG EDGES: TAPERED.
  3. MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.

TILE BACKING PANELS

- CEMENTITIOUS BACKER UNITS: ANSI A118.9 AND ASTM C 1288 OR 1325, WITH MANUFACTURER'S STANDARD EDGES.
  1. THICKNESS: AS INDICATED.
  2. MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.

SECTION 099113 - EXTERIOR PAINTING

SUMMARY

SECTION INCLUDES SURFACE PREPARATION AND THE APPLICATION OF PAINT SYSTEMS ON THE FOLLOWING EXTERIOR SUBSTRATES:

1. CONCRETE.
2. CLAY MASONRY.
3. CONCRETE MASONRY UNITS (CMU).
4. STEEL.
5. GALVANIZED METAL.
6. WOOD.
7. EXTERIOR PORTLAND CEMENT PLASTER (STUCCO).
8. EXTERIOR GYPSUM BOARD.

PAINT, GENERAL

- MPI STANDARDS: PROVIDE PRODUCTS THAT COMPLY WITH MPI STANDARDS INDICATED AND THAT ARE LISTED IN ITS "MPI APPROVED PRODUCTS LIST."
- MATERIAL COMPATIBILITY:
  1. PROVIDE MATERIALS FOR USE WITHIN EACH PAINT SYSTEM THAT ARE COMPATIBLE WITH ONE ANOTHER AND SUBSTRATES INDICATED, UNDER CONDITIONS OF SERVICE AND APPLICATION AS DEMONSTRATED BY MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.
  2. FOR EACH COAT IN A PAINT SYSTEM, PROVIDE PRODUCTS RECOMMENDED IN WRITING BY MANUFACTURERS OF TOPCOAT FOR USE IN PAINT SYSTEM AND ON SUBSTRATE INDICATED.
- VOC CONTENT: PROVIDE MATERIALS THAT COMPLY WITH VOC LIMITS OF AUTHORITIES HAVING JURISDICTION.
- COLORS: AS INDICATED IN A COLOR SCHEDULE

SECTION 099113 - EXTERIOR PAINTING (CONT.)

BLOCK FILLERS

- BLOCK FILLER, LATEX, INTERIOR/EXTERIOR: MPI #4.

PRIMERS/SEALERS

- PRIMER, ALKALI RESISTANT, WATER BASED: MPI #3.
- PRIMER, BONDING, WATER BASED: MPI #17.
- PRIMER, BONDING, SOLVENT BASED: MPI #69.
- WOOD-KNOT SEALER: SEALER RECOMMENDED IN WRITING BY TOPCOAT MANUFACTURER FOR EXTERIOR USE IN PAINT SYSTEM INDICATED.

METAL PRIMERS

- PRIMER, ALKYD, ANTI-CORROSIVE FOR METAL: MPI #79.
- PRIMER, ALKYD, QUICK DRY, FOR METAL: MPI #76.
- PRIMER, GALVANIZED, WATER BASED: MPI #134.
- PRIMER, GALVANIZED: AS RECOMMENDED IN WRITING BY TOPCOAT MANUFACTURER.
- PRIMER, QUICK DRY, FOR ALUMINUM: MPI #95.

WOOD PRIMERS

- PRIMER, LATEX FOR EXTERIOR WOOD: MPI #6.
- PRIMER, ALKYD FOR EXTERIOR WOOD: MPI #5.
- PRIMER, OIL FOR EXTERIOR WOOD: MPI #7.

WATER-BASED PAINTS

- LATEX, EXTERIOR FLAT (GLOSS LEVEL 1): MPI #10.
- TOPCOAT: LATEX, EXTERIOR, LOW SHEEN (GLOSS LEVEL 3-4), MPI #15.
- LATEX, EXTERIOR SEMI-GLOSS (GLOSS LEVEL 5): MPI #11.
- LATEX, EXTERIOR, GLOSS (GLOSS LEVEL 6: MPI #119.
- LIGHT INDUSTRIAL COATING, EXTERIOR, WATER BASED (GLOSS LEVEL 3): MPI #161.
- LIGHT INDUSTRIAL COATING, EXTERIOR, WATER BASED, SEMI-GLOSS (GLOSS LEVEL 5): MPI #163.
- LIGHT INDUSTRIAL COATING, EXTERIOR, WATER BASED, GLOSS (GLOSS LEVEL 6): MPI #164.

SOLVENT-BASED PAINTS

- ALKYD, EXTERIOR FLAT (GLOSS LEVEL 1): MPI #8.
- ALKYD, EXTERIOR, SEMI-GLOSS (GLOSS LEVEL 5): MPI #94.
- ALKYD, EXTERIOR GLOSS (GLOSS LEVEL 6): MPI #9.
- ALKYD, QUICK DRY, SEMI-GLOSS (GLOSS LEVEL 5): MPI #81.
- ALKYD, QUICK DRY, GLOSS (GLOSS LEVEL 7): MPI #96.

TEXTURED AND HIGH-BUILD COATINGS

- PRIMER FOR TEXTURED COATING, LATEX, FLAT: AS RECOMMENDED IN WRITING BY TOPCOAT MANUFACTURER.
- INTERMEDIATE COAT FOR TEXTURED COATING, LATEX, FLAT: AS RECOMMENDED IN WRITING BY TOPCOAT MANUFACTURER.
- TEXTURED COATING, LATEX, FLAT: MPI #42.
- PRIMER FOR LATEX, EXTERIOR, HIGH BUILD: AS RECOMMENDED IN WRITING BY TOPCOAT MANUFACTURER.
- INTERMEDIATE COAT FOR LATEX, EXTERIOR, HIGH BUILD: AS RECOMMENDED IN WRITING BY TOPCOAT MANUFACTURER.
- LATEX, EXTERIOR, HIGH BUILD: MPI #40.

ALUMINUM PAINT

- ALUMINUM PAINT: MPI #1.

FLOOR COATINGS

- SEALER, WATER BASED, FOR CONCRETE FLOORS: MPI #99.
- SEALER, SOLVENT BASED, FOR CONCRETE FLOORS: MPI #104.
- FLOOR PAINT, LATEX, LOW GLOSS (MAXIMUM GLOSS LEVEL 3): MPI #60.
- FLOOR ENAMEL, ALKYD, GLOSS (GLOSS LEVEL 6): MPI #27.

SECTION 099123 - INTERIOR PAINTING

SUMMARY

SECTION INCLUDES SURFACE PREPARATION AND THE APPLICATION OF PAINT SYSTEMS

PAINT, GENERAL

- MPI STANDARDS: PROVIDE PRODUCTS THAT COMPLY WITH MPI STANDARDS INDICATED AND THAT ARE LISTED IN ITS "MPI APPROVED PRODUCTS LIST."
- MATERIAL COMPATIBILITY:
  1. PROVIDE MATERIALS FOR USE WITHIN EACH PAINT SYSTEM THAT ARE COMPATIBLE WITH ONE ANOTHER AND SUBSTRATES INDICATED, UNDER CONDITIONS OF SERVICE AND APPLICATION AS DEMONSTRATED BY MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.
  2. FOR EACH COAT IN A PAINT SYSTEM, PROVIDE PRODUCTS RECOMMENDED IN WRITING BY MANUFACTURERS OF TOPCOAT FOR USE IN PAINT SYSTEM AND ON SUBSTRATE INDICATED.
- VOC CONTENT: PRODUCTS SHALL COMPLY WITH VOC LIMITS OF AUTHORITIES HAVING JURISDICTION AND, FOR INTERIOR PAINTS AND COATINGS APPLIED AT PROJECT SITE, THE FOLLOWING VOC LIMITS, EXCLUSIVE OF COLORANTS ADDED TO A TINT BASE, WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
  1. FLAT PAINTS AND COATINGS: 50 G/L.
  2. NONFLAT PAINTS AND COATINGS: 150 G/L.
  3. DRY-FOG COATINGS: 400 G/L.
  4. PRIMERS, SEALERS, AND UNDERCOATERS: 200 G/L.
  5. ANTICORROSIVE AND ANTIRUST PAINTS APPLIED TO FERROUS METALS: 250 G/L.
  6. ZINC-RICH INDUSTRIAL MAINTENANCE PRIMERS: 340 G/L.
  7. PRETREATMENT WASH PRIMERS: 420 G/L.
  8. FLOOR COATINGS: 100 G/L.
  9. SHELLACS, CLEAR: 730 G/L.
  10. SHELLACS, PIGMENTED: 550 G/L.
- COLORS: TO BE ISSUED IN A COLOR SCHEDULE.

APPLICATION

- APPLY PAINTS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND TO RECOMMENDATIONS IN "MPI MANUAL."
- APPLY PAINTS TO PRODUCE SURFACE FILMS WITHOUT CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, ROLLER TRACKING, RUNS, SAGS, ROPINESS, OR OTHER SURFACE IMPERFECTIONS. CUT IN SHARP LINES AND COLOR BREAKS.

KAEDING ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

OLD TOWN CONCESSIONS
NEW BUILDING

WILLKOMMEN
MEMORIAL PARK
13 SE 1ST AVE
NORWOOD YOUNG
AMERICA, MN 55397

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

JENNIFER KAEDING, AIA

51456 — REGISTRATION #

4/12/23 — DATE

ISSUE RECORD:

2/9/23	CONSTRUCTION DOCUMENTS
4/12/23	CD REISSUE

PROJECT: OLD TOWN CONCESSIONS

DATE: 04/12/23

DRAWN BY: BBAKER

CHECKED BY: JKAEDING

SHEET NAME:

PERFORMANCE SPECIFICATIONS

SHEET NUMBER:

N

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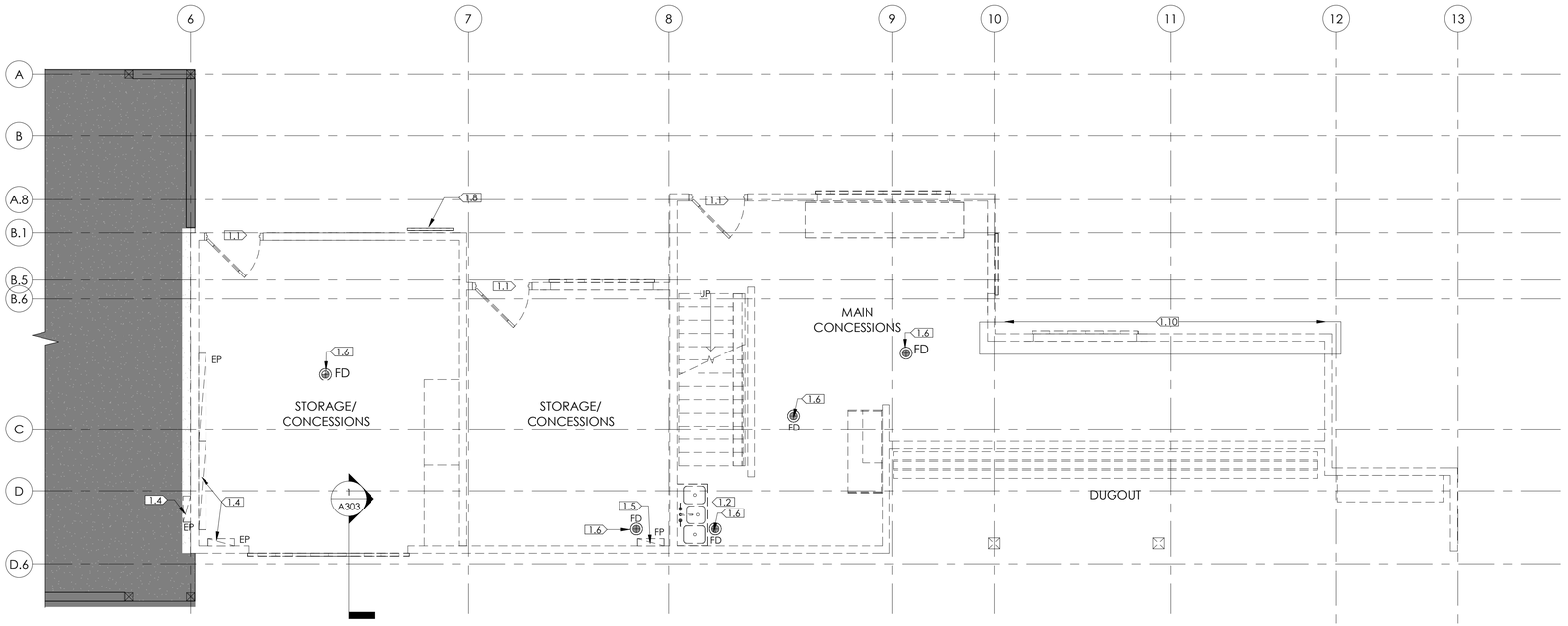
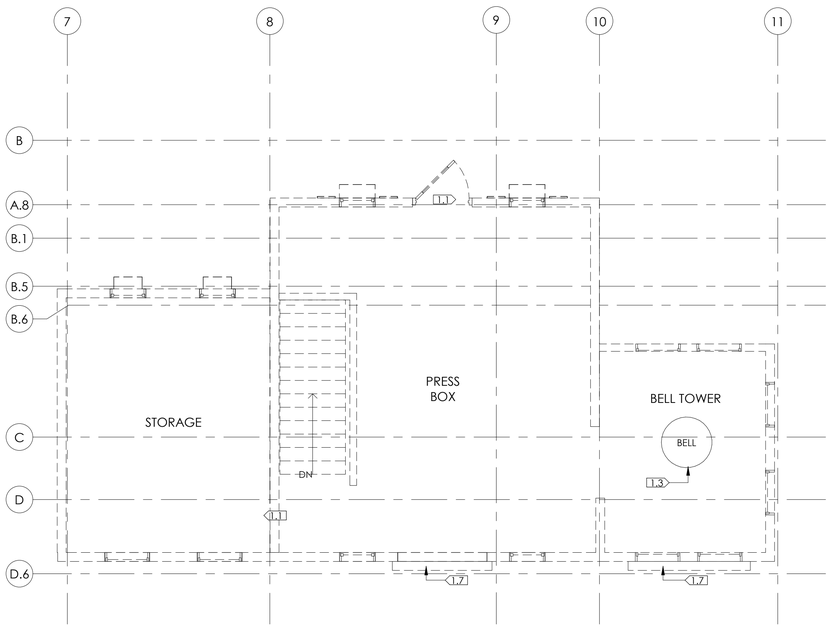


1 A100 FIRST FLOOR - DEMOLITION PLAN
1/4" = 1'-0"



3 A100 SECOND FLOOR - DEMOLITION PLAN
1/4" = 1'-0"

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CONSTRUCTION LEGEND

EXISTING CONSTRUCTION TO REMAIN

EXISTING CONSTRUCTION TO BE REMOVED

DEMOLITION GENERAL NOTES

1. ALL DEMOLITION/CONSTRUCTION TO BE DONE IN AN ORDERLY MANNER TO MINIMIZE DISTURBANCE TO EXISTING TENANTS & PUBLIC SPACES.
2. VERIFY PRIOR TO DEMOLITION, ALL ITEMS TO BE SALVAGED. STOCK PILE & PROTECT ALL SUCH ITEMS.
3. PROPERLY TERMINATE ALL PLUMBING, ELECTRICAL, & MECHANICAL ITEMS TO BE ABANDONED DURING DEMOLITION. REMOVE ALL WIRES, PLUMING, & DUCTS NOT USED.
4. VERIFY REMOVAL OF ALL DEMOLITION DEBRIS. CLEAN ALL AREAS FOR NEW CONSTRUCTION.
5. WHERE REMOVAL OF WALLS, ETC. OCCURS, ADJOINING SURFACES SHALL BE PATCHED & PREPARED FOR NEW CONSTRUCTION OR FINISH APPLICATION.
6. DURING THE PROCESS OF DEMOLITION, CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXITS & RATED CORRIDORS AS REQUIRED BY CODE FOR EMERGENCY EXITING.
7. ELECTRICAL SUB-CONTRACTORS RESPONSIBLE TO REMOVE ALL EXISTING CABLING FOR VOICE & DATA COMMUNICATIONS WHICH ARE NOT TO BE USED BY TENANT.
8. **SEE FLOOR AND WALL FINISH PLANS FOR LOCATIONS OF NEW FINISHES WHERE EXISTING IS TO BE REMOVED.**
9. REMOVE ALL EXISTING FINISHES THAT CONFLICT WITH FINISHES INDICATED ON THE FINISH PLAN(S). PREPARE SURFACES FOR NEW MATERIALS AS REQUIRED.
10. REMOVE EXISTING WALLS, PARTITIONS, DOORS, FRAMES, MILLWORK, FIXTURES, ETC. SHOWN ON THE PLAN WITH DASHED LINES. TURN ALL SALVAGEABLE ITEMS OVER TO THE OWNER. SAVE AND STORE ITEMS INDICATED ON DRAWINGS FOR LATER INSTALLATION IN NEW CONSTRUCTION.
11. REMOVE ALL OR ANY GENERAL, MECHANICAL AND ELECTRICAL MATERIALS NOT NECESSARILY SHOWN, BUT REQUIRED TO BE REMOVED TO COMPLETE ALL WORK. TURN ALL SALVAGEABLE ITEMS OVER TO THE OWNER.
12. REMOVE ALL OR ANY GENERAL ELECTRICAL AND MECHANICAL OUTLETS AS REQUIRED. PATCH EXISTING WALLS.
13. IT IS A POTENTIAL THAT THE EXISTING BUILDING MAY CONTAIN ASBESTOS OR PRODUCTS CONTAINING ASBESTOS, CONTAINING ASBESTOS, A SUBSTANCE PROVEN TO PRESENT HEALTH HAZARDS. THE CLIENT ACKNOWLEDGES THAT THE DESIGN PROFESSIONAL'S SCOPE OF SERVICES FOR THIS PROJECT DOES NOT INCLUDE ANY SERVICES RELATED IN ANY WAY TO ASBESTOS, SHOULD THE DESIGN PROFESSIONAL OR ANY OTHER PARTY ENCOUNTER SUCH MATERIALS ON THE JOB SITE (OR SHOULD IT IN ANY WAY BECOME KNOWN THAT SUCH MATERIALS ARE PRESENT OR MAY BE PRESENT ON THE JOB SITE, OR ANY ADJACENT AREAS, WHICH MAY AFFECT THE DESIGN PROFESSIONAL'S SERVICES) THE DESIGN PROFESSIONAL MAY, AT HIS OR HER OPTION, AND WITHOUT LIABILITY FOR CONSEQUENTIAL OR ANY OTHER DAMAGES, SUSPEND PERFORMANCE OR SERVICES ON THE PROJECT UNTIL THE CLIENT RETAINS A QUALIFIED SPECIALIST CONTRACTOR TO ABATE, ENCAPSULATE AND/ OR REMOVE THE ASBESTOS OR ASBESTOS-CONTAINING MATERIALS AND WARRANT THAT THE JOB SITE IS IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. THE CLIENT AGREES TO WAVE ALL CLAIMS AGAINST THE DESIGN PROFESSIONAL AND HIS OR HER OFFICERS, DIRECTORS, EMPLOYEES AND SUB-CONSULTANTS ARISING FROM OR IN ANY WAY CONNECTED WITH THE EXISTENCE OF ASBESTOS OR ASBESTOS CONTAINING MATERIALS ON OR ABOUT THE JOB SITE. THE CLIENT FURTHER AGREES TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL FOR ANY AND ALL DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEY'S FEES AND DEFENSE COSTS, ARISING IN ANY WAY FROM THE EXISTENCE OF ASBESTOS OR ASBESTOS-CONTAINING MATERIALS ON OR ABOUT THE SITE, EXCEPT FOR THOSE DAMAGES, LIABILITIES OR COSTS ATTRIBUTABLE TO THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF THE DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE IN ANY WAY FOR ANY SAFETY PRECAUTIONS, INCLUDING MEASURES FOR THE PROTECTION OF THE PUBLIC. SUCH RESPONSIBILITY FOR SAFETY PRECAUTIONS IS AND SHALL REMAIN THAT OF THE CLIENT AND THE CONTRACTOR.
14. THE CONTRACTOR MUST MAINTAIN NEGATIVE AIR FROM THE CONSTRUCTION ENTRANCE INTO THE CONSTRUCTION WORK SITE. THIS AIR FLOW MUST BE MAINTAINED THROUGH THE DURATION OF THE PROJECT.
15. THE CONTRACTOR WILL BE REQUIRED TO SAW-CUT THE EXISTING CONCRETE SLAB AND REMOVE THE EXISTING CONCRETE SLAB FOR INSTALLATION OF THE NEW PLUMBING PER THE MECHANICAL DRAWINGS. FOLLOWING INSTALLATION OF PLUMBING, THE CONTRACTOR WILL REPAIR THE CONCRETE SLAB TO MATCH AND BE LEVEL WITH THE EXISTING CONCRETE SLAB.
16. INDICATES NO WORK IS TO BE COMPLETE IN DESIGNATED AREAS.
17. **EXISTING FOUNDATION TO REMAIN U.N.O.**

DEMOLITION PLAN KEYED NOTES

1.1	ALL DOORS AND FRAMES SHOWN AS DEMO TO BE DISCARDED.
1.2	PLUMBING FIXTURE SHOWN AS DEMO TO BE REMOVED. ALL PLUMBING TO BE PROPERLY TERMINATED FLUSH TO WALL/FLOOR.
1.3	EXISTING BELL TO BE REMOVED & SAVED FOR REINSTALLATION.
1.4	EXISTING ELECTRICAL PANELS TO BE REMOVED.
1.5	EXISTING IRRIGATION TO BE REMOVED AND STORED FOR RELOCATION.
1.6	EXISTING FLOOR DRAIN.
1.7	REMOVE SAFETY CAGES & STORE FOR RELOCATION.
1.8	REMOVE & STORE HISTORIC SIGNAGE FOR RELOCATION.
1.9	NOT USED
1.10	REMOVE FOUNDATION IF IT INTERFERES W/ NEW. SEE STRUCTURAL.

KAEDING
ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

OLD TOWN CONCESSIONS
NEW BUILDING

WILLKOMMEN
MEMORIAL PARK
13 SE 1ST AVE
NORWOOD YOUNG
AMERICA, MN 55397

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

JENNIFER KAEDING, AIA
51456 — REGISTRATION #
4/12/23 — DATE

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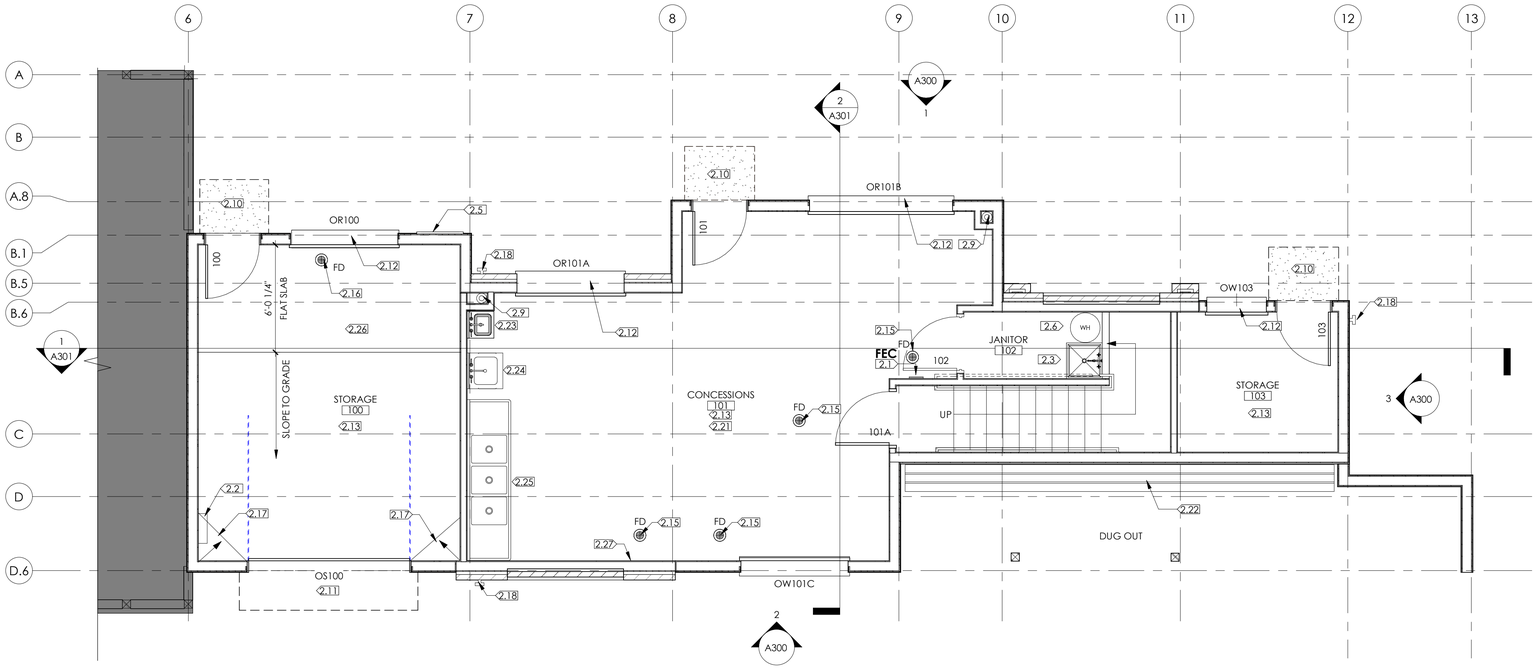
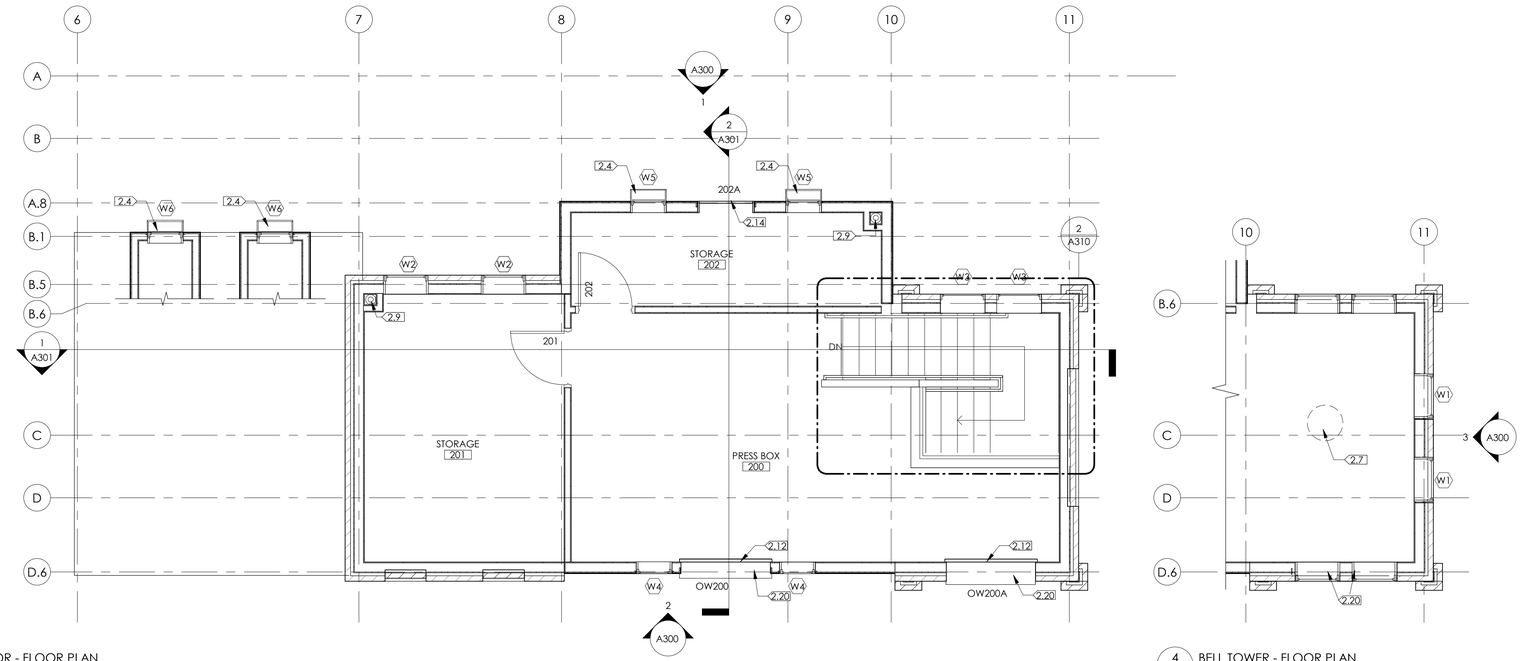
PROJECT: OLD TOWN CONCESSIONS
DATE: 04/12/23
DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
DEMOLITION PLANS

SHEET NUMBER:
A100



1 / A200 FIRST FLOOR - FLOOR PLAN
1/4" = 1'-0"



3 / A200 SECOND FLOOR - FLOOR PLAN
1/4" = 1'-0"

4 / A200 BELL TOWER - FLOOR PLAN
1/4" = 1'-0"

CONSTRUCTION LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION
- NEW CONSTRUCTION - PARTIAL HEIGHT WALL

FLOOR PLAN GENERAL NOTES

1. ALL PARTITIONS IN EXCESS OF 30' LENGTHS SHALL HAVE FULL HEIGHT CONTROL JOINTS INSTALLED WITH MAXIMUM 30' SPACING.
2. NEW PARTITIONS TO ALIGN WITH EDGE OF EXISTING WINDOW FRAME/SILLS OR EXISTING WALLS/COLUMNS UNLESS DIMENSIONED OTHERWISE.
3. NEW PARTITIONS AT WINDOWS TO BE CENTERED ON MULLION UNLESS OTHERWISE DIMENSIONED.
4. PLUMBING CONTRACTOR TO PROVIDE DESIGNER W/ CUT SHEETS FOR FINAL APPROVAL OF ALL FIXTURES PRIOR TO ORDERING.
5. ANY EXPOSED SINK PIPES TO BE WRAPPED TO MEET A.D.A. REQUIREMENTS.
6. ALL NEW WATER SUPPLY PIPING TO BE TYPE "L" WATER PIPING.
7. MECHANICAL CONTRACTOR TO REVIEW ALL THERMOSTAT LOCATIONS W/ DESIGNER PRIOR TO INSTALLATION.
8. ALL FLOOR DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER SYSTEM
9. VENTILATION (UMC) AND HEAT SOURCE TO MAINTAIN A TEMPERATURE ABOVE A MINIMUM OF 55°F
10. ALL OUTSIDE CORNERS OF MILLWORK COUNTER TOPS ARE TO BE EASED.
11. INDICATES NO WORK IS TO BE COMPLETE IN DESIGNATED AREAS.
12. **ADD GAS LINE TO BUILDING TO FEED FURNACE/WATER HEATER & KITCHEN EQUIPMENT.**

FLOOR PLAN KEYED NOTES

2.1	SEMI-RECESSED FIRE EXTINGUISHER & CABINET.
2.2	RELOCATED IRRIGATION SYSTEM.
2.3	2'X2' JANITOR SINK W/ STAINLESS STEEL MOP RACK & SHELF PROVIDED BY OTHERS.
2.4	8"DX48"WX8"H WOOD STAINED & SEALED CEDAR FLOWER BOXES TO MATCH (P5)
2.5	LOCATION OF RELOCATED HISTORICAL SIGN.
2.6	WATER HEATER PROVIDED BY OTHERS - VERIFY LOCATION
2.7	RELOCATE BELL FROM DEMO. VERIFY W/ STRUCTURAL ON SUPPORT REQUIREMENTS. CONTRACTOR TO PROVIDE OPTIONS ON ABILITY TO RING BELL FROM FLOOR LEVEL
2.8	NOT USED
2.9	RAIN WATER LEADER ROUTED TO STORM DRAIN LINE BELOW CONCRETE SLAB.
2.10	CONCRETE STOOP WITH FROST FREE FOOTING & VOID FORMS. SEE STRUCTURAL
2.11	2' CONCRETE APRON PINNED TO SLAB.
2.12	SOLID SURFACE TRANSACTION TOP TO RUN BELOW ROLLING DOOR. (SS1)
2.13	NEW 4" CONCRETE SLAB
2.14	NON OPERABLE DOOR
2.15	EXISTING FLOOR DRAIN
2.16	NEW FLOOR DRAIN. MOVE EXISTING CONNECTION TO FLAT PART OF SLAB
2.17	SLOPE SLAB AWAY FROM CORNER
2.18	WATER SPIGOT W/ LOCKABLE ENCLOSURE
2.19	NOT USED
2.20	RE-INSTALL METAL GRATE INSERT IN FRONT OF WINDOWS FOR BASEBALL PROTECTION FROM DEMO.
2.21	KITCHEN EQUIPMENT BY OTHERS
2.22	NEW WOOD BENCH
2.23	STAINLESS STEEL HANDWASHING SINK W/ GOOSENECK FAUCET TO MEET MDH FOOD GUIDELINES. PROVIDED BY CITY
2.24	STAINLESS STEEL PREP SINK W/ GOOSENECK FAUCET TO MEET MDH GUIDELINES. PROVIDED BY CITY
2.25	STAINLESS STEEL 3 COMPARTMENT SINK W/ ADJUSTABLE/RETRACTABLE COMMERCIAL FAUCET TO MEET MDH GUIDELINES. PROVIDED BY CITY
2.26	RELOCATED WATER MAIN
2.27	LOCATION FOR FUTURE GAS LINE

KAEDING ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

OLD TOWN CONCESSIONS
NEW BUILDING

WILLKOMMEN
MEMORIAL PARK
13 SE 1ST AVE
NORWOOD YOUNG
AMERICA, MN 55397

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51456 — REGISTRATION #
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PROJECT: OLD TOWN CONCESSIONS
DATE: 04/12/23
DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
FLOOR PLANS

SHEET NUMBER:
A200

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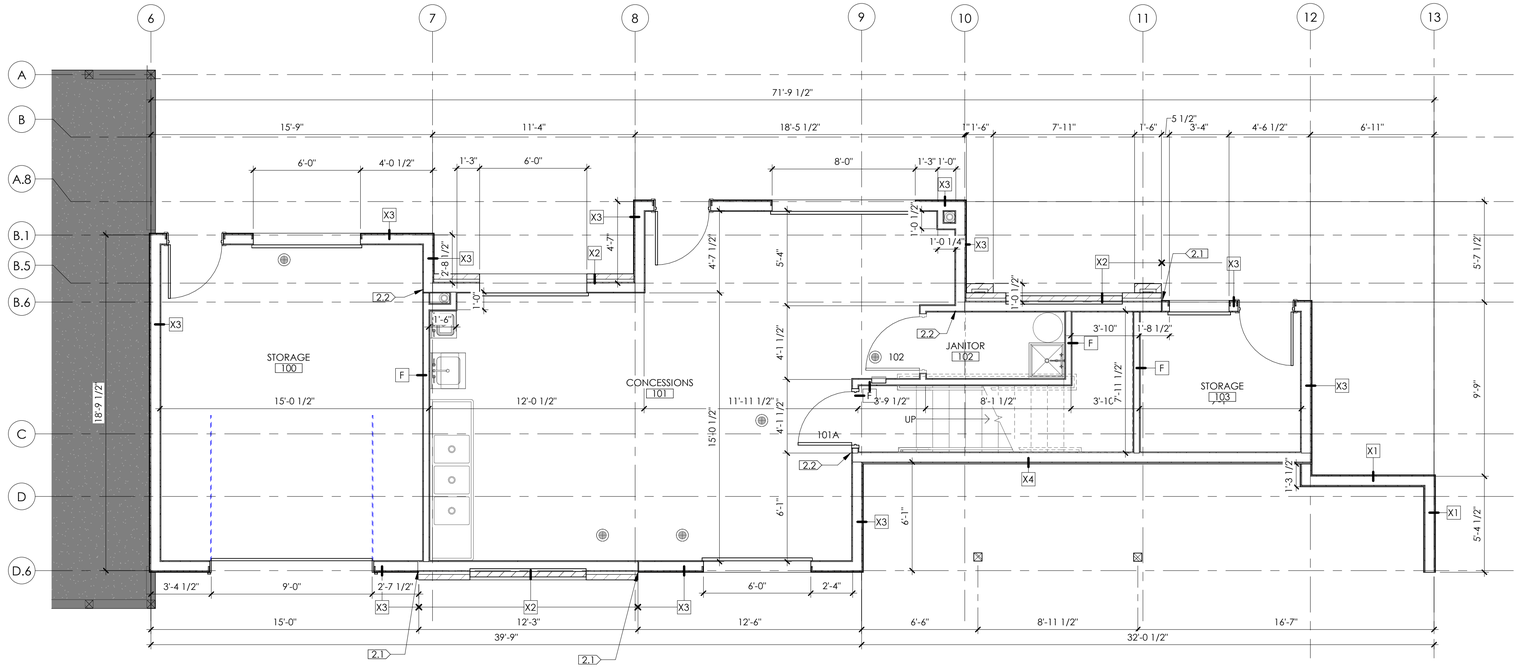
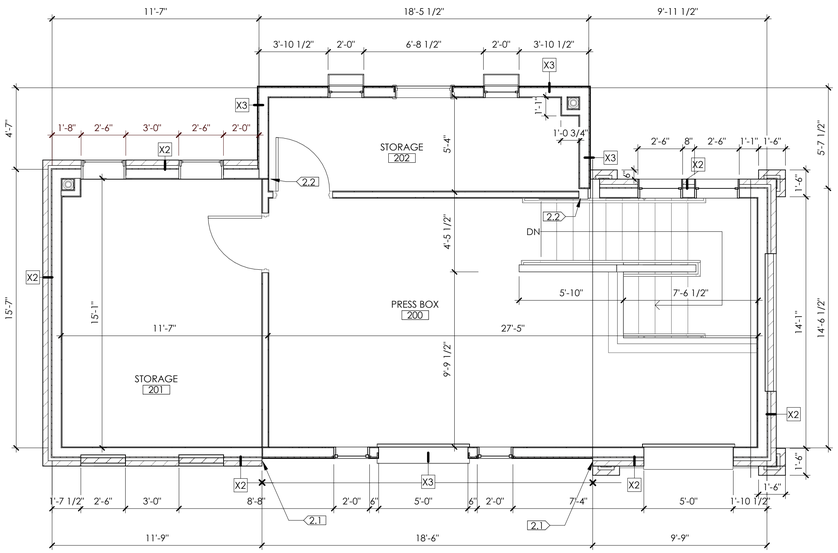


1 A201 FIRST FLOOR - DIMENSION PLAN
1/4" = 1'-0"

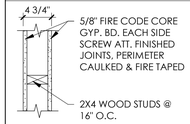
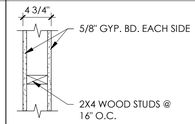


3 A201 SECOND FLOOR - DIMENSION PLAN
1/4" = 1'-0"

WALL PARTITION TYPES

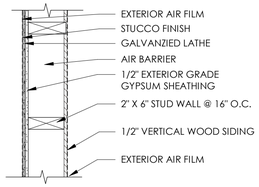
*****TYPICAL PARTITION TO BE H U.N.O.**

*****USE MOISTURE RESISTANT GYP.BD. IN ALL WET AREAS SUCH AS RESTROOMS OR SHOWERS (EXAMPLE)**

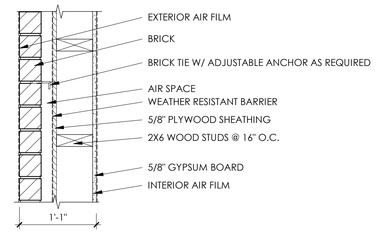
FIRE RATED PARTITIONS (WOOD STUDS)	PARTITIONS (WOOD STUDS)
	
4 3/4" · 5/8" FIRE CODE CORE GYP. BD. EACH SIDE SCREW ATT. FINISHED JOINTS, PERIMETER CAULKED & FIRE TAPED · 2X4 WOOD STUDS @ 16" O.C.	4 3/4" · 5/8" GYP. BD. EACH SIDE · 2X4 WOOD STUDS @ 16" O.C.
F NON-INSULATED 1HR RATED UL DES: U305 TO UNDERSIDE OF DECK	H NON-INSULATED, NON-RATED

EXTERIOR WALL LEGEND

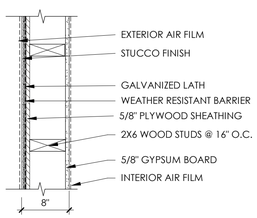
BUILDING IS FOR SEASONAL USE



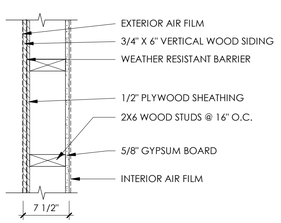
X1 STUCCO/WOOD SIDING OVER 6" STUD WALL



X2 BRICK OVER 2X6 STUD WALL

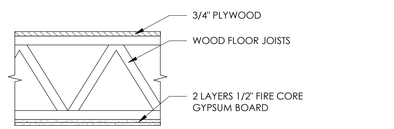


X3 STUCCO OVER 6" STUD WALL



X4 WOOD SIDING OVER 6" STUD WALL

FLOOR ASSEMBLY TYPE



F1 1 HOUR NON-INSULATED FLOOR
UL DES: L542

DIMENSION PLAN GENERAL NOTES

1. DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD OR FACE OF MASONRY UNLESS NOTED OTHERWISE. WRITTEN AND FIGURED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.
2. SOME WALLS, WHETHER NOTED OR NOT, MAY NEED MORE FRAMING TO ACCOMMODATE PLUMBING, CONDUIT, OR DUCTWORK. VERIFY AND COORDINATE WITH MECHANICAL OR ELECTRICAL CONTRACTOR, AND NOTIFY ARCHITECT OF SUCH CHANGES.
3. DIMENSIONS ON THE DRAWINGS ARE SUBJECT TO FIELD VERIFICATION TO SUIT ADJACENT ELEMENTS. DIMENSIONS TO AND INVOLVING EXISTING BUILDINGS SHALL BE FIELD VERIFIED BY CONTRACTOR. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
4. VERIFY LOCATIONS OF FLOOR DRAINS AND EQUIPMENT PADS WITH MECHANICAL AND ELECTRICAL DRAWINGS.
5. DOORS IN CORNERS SHOULD BE FRAMED TO BE A MINIMUM OF 3" AWAY FROM PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
6. ALL WALLS RUN TO DECK, AND ARE SEALED TOP AND BOTTOM EACH SIDE UNLESS NOTED OTHERWISE.

DIMENSION PLAN KEYED NOTES

2.1	TRANSITION OF EXTERIOR MATERIALS
2.2	ALIGN INTERIOR WALL W/ EXTERIOR WALL

KAEDING ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

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NEW BUILDING

WILLKOMMEN
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DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
DIMENSION PLANS

SHEET NUMBER:
A201

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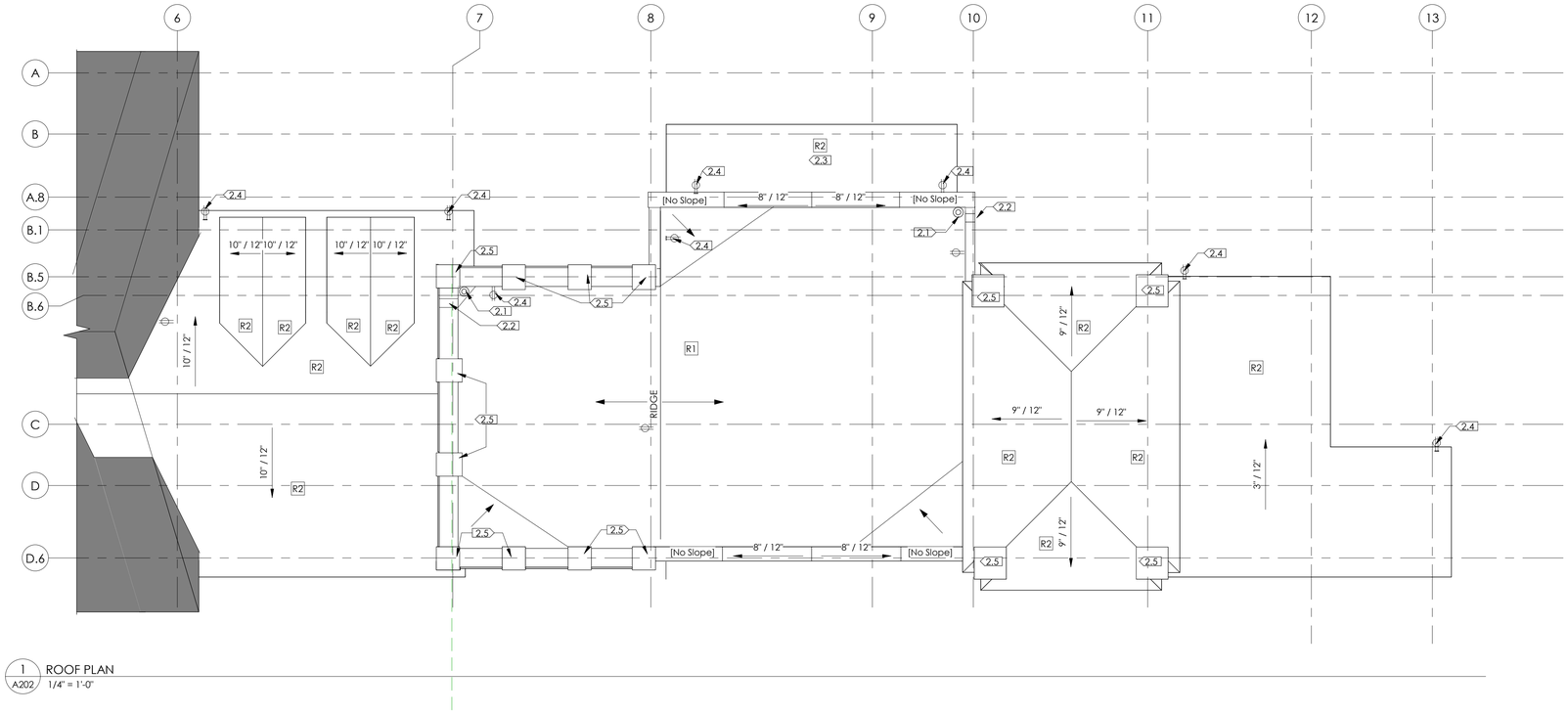
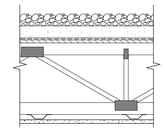


1 A202 ROOF PLAN
1/4" = 1'-0"

ROOF PLAN GENERAL NOTES

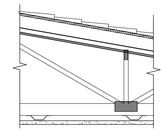
1. ALL ROOFING TO SLOPE 1/4":1'-0", MINIMUM TO DRAINS, SCUPPERS OR OVERFLOW SCUPPERS AS SHOWN, UNLESS NOTED OTHERWISE.
2. OVERFLOW SCUPPERS OR OVERFLOW DRAINS TO BE 2" MAXIMUM ABOVE ROOF DRAINS.
3. MAINTAIN 2" MINIMUM INSULATION THICKNESS AT ALL ROOF DRAINS, U.N.O.
4. WHEN STRUCTURE IS PITCHED, TAPERED INSULATION SHOULD PITCH AGAINST THIS SLOPE TO INSURE 1/4":1'-0" MINIMUM SLOPE.
5. REFER TO MECHANICAL DRAWINGS FOR COMPLETE SCOPE AND DETAIL OF ALL PIPING, CURB, MECHANICAL UNIT FLASHING AND PENETRATIONS, UNLESS NOTED OTHERWISE.
6. COORDINATE VENT-THROUGH-ROOF LOCATIONS WITH MECHANICAL.
7. COORDINATE POWER ROOF VENT LOCATIONS WITH MECHANICAL.
8. COORDINATE PIPE PENETRATIONS WITH MECHANICAL.
9. AT TYPE 'I' AND 'I I' CONSTRUCTION, WHEN PARAPETS ARE ABOVE 24" PROVIDE FIRE TREATED PLYWOOD.
10. REFER TO ROOFING MANUFACTURER'S SPECIFICATIONS AND DETAILS FOR ALL ROOF PENETRATION AND FLASHING CONDITIONS.

FLOOR/ ROOF/ CEILING TYPES



ROOF/ CEILING ASSEMBLY
-BALLASTED EPDM MEMBRANE
-POLYISOCYANURATE ROOF INSULATION (R-20)
-VAPOR RETARDER
-3/4" PLYWOOD SHEATHING
-PARALLEL CHORD WOOD TRUSS - SEE STRUCTURAL
-RESILIENT CHANNEL
-5/8" SHEETROCK BRAND FIRECODE 'C' CORE GYPSUM PANELS

R1 INSULATED 1HR - ROOF/ CEILING
UL DES: P531



ROOF/ CEILING ASSEMBLY

-SHINGLE ROOF SYSTEM OVER 15/32" PLYWOOD SHEATHING
-GLASS FIBER INSULATION BATTS (R49 MIN.) AND BLANKETS OR LOOSE FILL MATERIALS.
-PITCH OR PARALLEL CHORD WOOD TRUSS @ 24" O.C. MAX
-RESILIENT CHANNEL
-5/8" SHEETROCK BRAND FIRECODE 'C' CORE GYPSUM PANELS

R2 INSULATED 1HR - ROOF/ CEILING
UL DES: P531

ROOF PLAN KEYED NOTES

2.1	ROOF DRAIN & RWL CONNECTED TO STORM DRAIN LINE BELOW FLOOR SLAB
2.2	OVERFLOW SCUPPER TO BE 1" ABOVE ROOF
2.3	CANOPY WITH SHINGLES BELOW
2.4	PROVIDE ELECTRICAL (DUPLEX) IN PARAPET/UNDER SOFFIT OR CANOPY
2.5	CAST STONE CAP

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235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

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DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
ROOF PLANS

SHEET NUMBER:
A202

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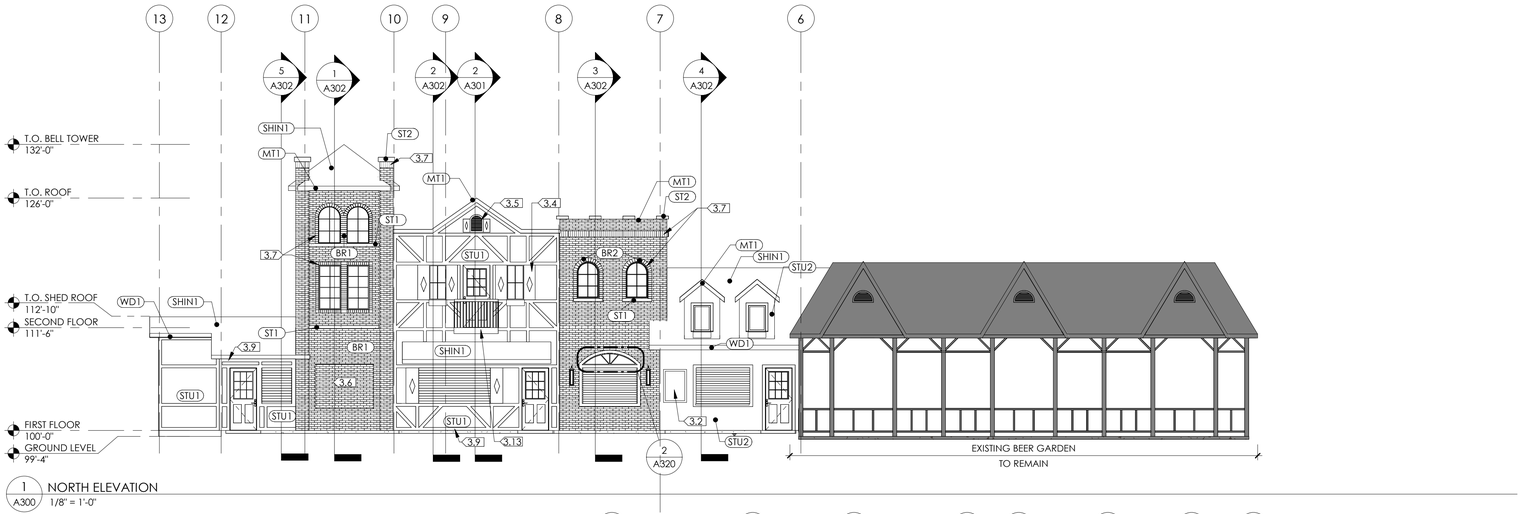
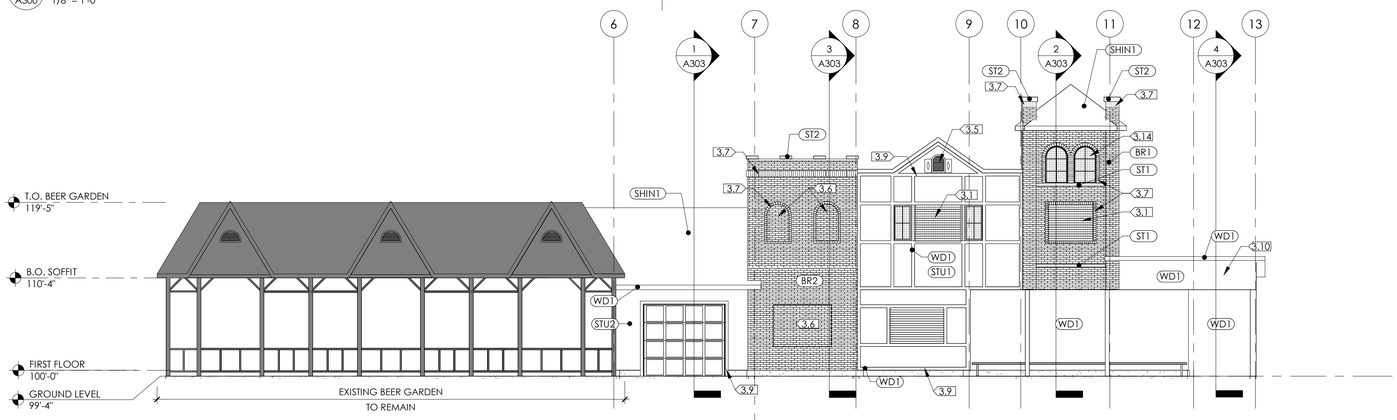
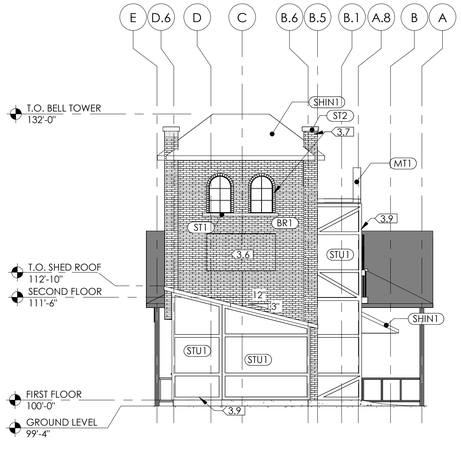


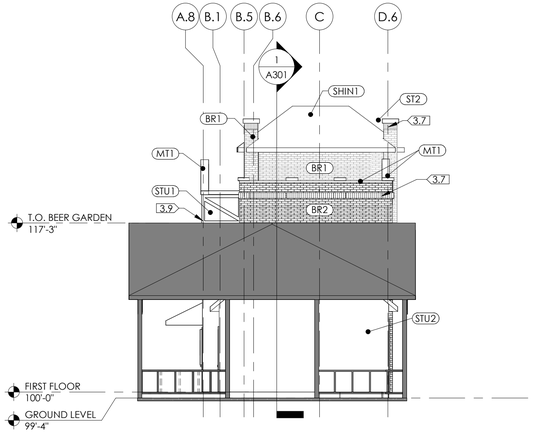
1 A300 NORTH ELEVATION 1/8" = 1'-0"



2 A300 SOUTH ELEVATION 1/8" = 1'-0"



3 A300 EAST ELEVATION 1/8" = 1'-0"



4 A300 WEST ELEVATION 1/8" = 1'-0"

EXTERIOR MATERIAL SCHEDULE

METAL	
MT1	METAL COPING PAC CLAD: MANSARD BROWN
BRICK/STONE	
ST1	STONE SILL LIMESTONE
ST2	STONE CAP LIMESTONE
BR1	FACE BRICK ENDICOTT PRODUCTS CO. MERLOT SANDS - MODULAR
BR2	FACE BRICK ENDICOTT PRODUCTS CO. MANGANESE BROWN - VELOUR MODULAR
PLASTER	
STU1	STUCCO COLOR: TO MATCH DRYVIT OYSTER SHELL #456ST TEXTURE: FREESTYLE NOTE: STUCCO ON BALL FIELD SIDE TO HAVE REINFORCING MESH IN BASE LAYER FOR HEAVY IMPACT
STU2	STUCCO COLOR: TO MATCH DRYVIT DUTCH BLUE #575ST TEXTURE: FREESTYLE NOTE: STUCCO ON BALL FIELD SIDE TO HAVE REINFORCING MESH IN BASE LAYER FOR HEAVY IMPACT
ROOF	
SHIN-1	ASPHALT SHINGLES TIMBERLINE COLOR: WEATHERED WOOD
WOOD	
WD1	WOOD TRIM / FASCIA / COLUMN PAINTED BROWN (P5)

EXTERIOR ELEVATION KEYED NOTES

3.1	RE-INSTALL EXISTING NEW METAL CAGES OVER WINDOWS FROM DEMO
3.2	REINSTALL HISTORICAL SIGN.
3.3	NOT USED
3.4	DECORATIVE WOOD SHUTTERS (WD1) W/ DIAMOND CUT-OUT. 14"W X HEIGHT OF WINDOW
3.5	DECORATIVE WOOD (WD1) DECAL W/ DECORATIVE SHUTTERS.
3.6	BRICK TO BE RECESSED 2".
3.7	SOLDIER COURSE BRICK.
3.8	NOT USED
3.9	DECORATIVE 1" X 4" WOOD TRIM (WD1)
3.10	1" X 3'-4" WOOD FASCIA BOARD PAINTED (P5)
3.11	NOT USED
3.12	NOT USED
3.13	FAUX BALCONY, HOOK & LATTICE, SOLITAIRE FAUX BALCONY - OR EQUIVALENT. COLOR: BRONZE
3.14	PROVIDE METAL GRATE INSERT IN FRONT OF WINDOW FOR BASEBALL PROTECTION.

KAEDING ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

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DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
EXTERIOR ELEVATIONS

SHEET NUMBER:
A300

N

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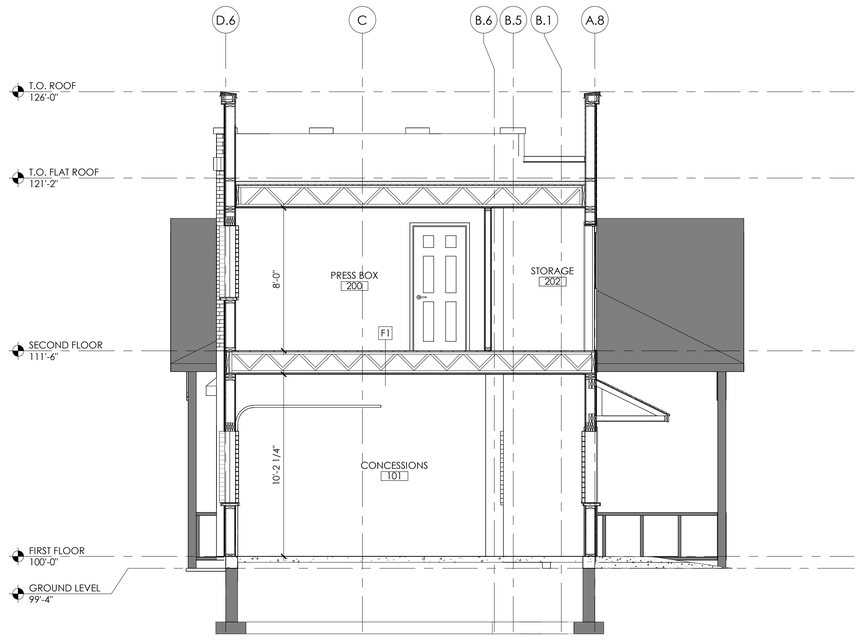
4/12/2023 9:58:28 AM

1 A301 BUILDING SECTION NORTH-SOUTH
1/4" = 1'-0"



2 A301 BUILDING SECTION EAST-WEST
1/4" = 1'-0"

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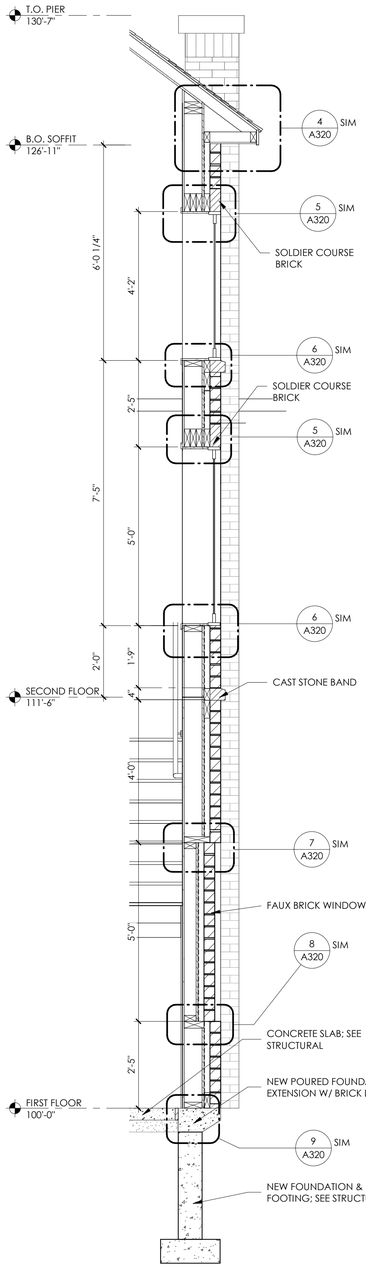
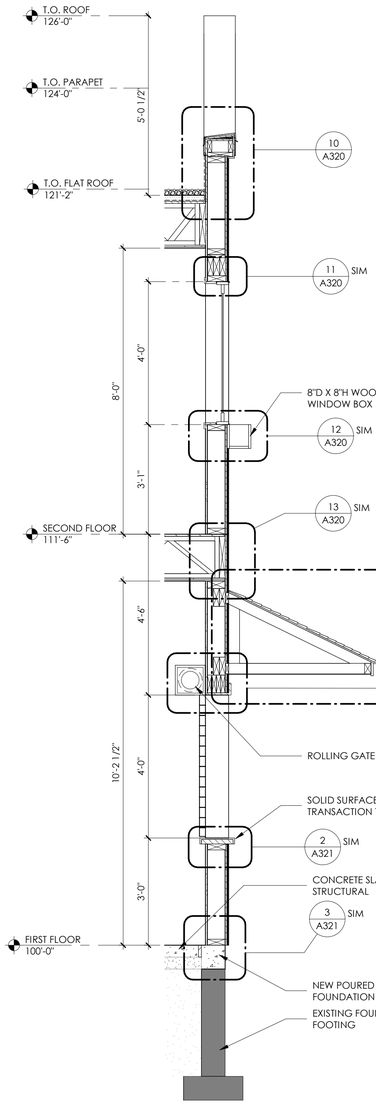
SHEET NAME:
BUILDING SECTIONS

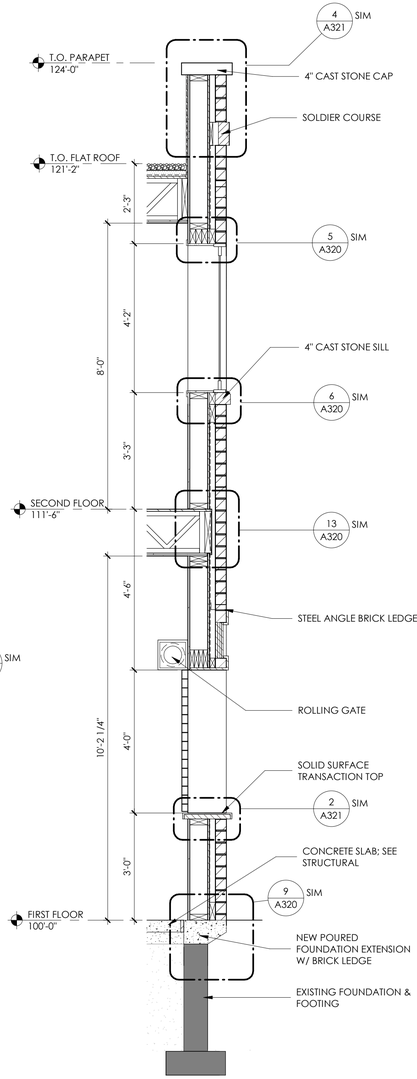
SHEET NUMBER:
A301



1 A302 WALL SECTION
1/2" = 1'-0"

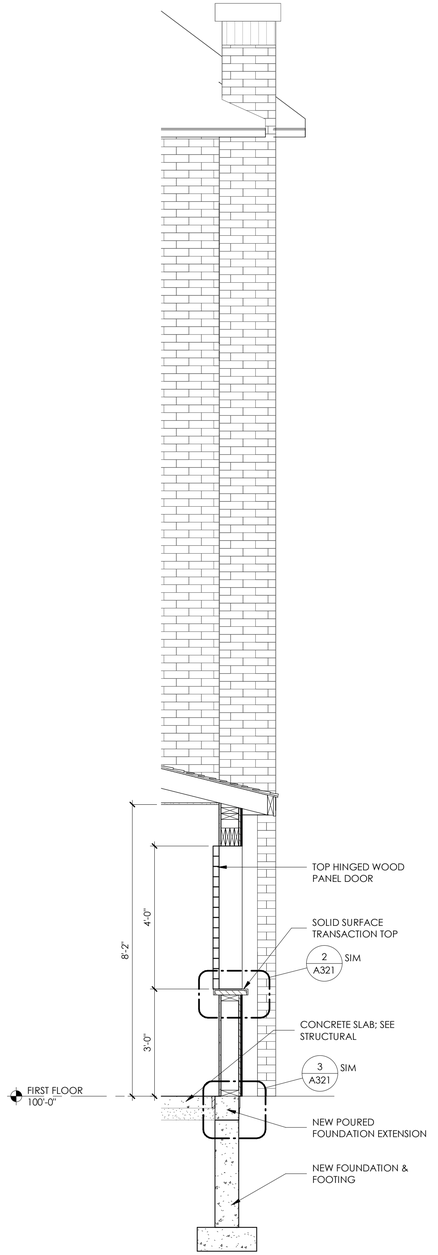


2 A302 WALL SECTION
1/2" = 1'-0"



3 A302 WALL SECTION
1/2" = 1'-0"

4 A302 WALL SECTION
1/2" = 1'-0"



5 A302 WALL SECTION
1/2" = 1'-0"

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SHEET NAME:
WALL SECTIONS

SHEET NUMBER:
A302

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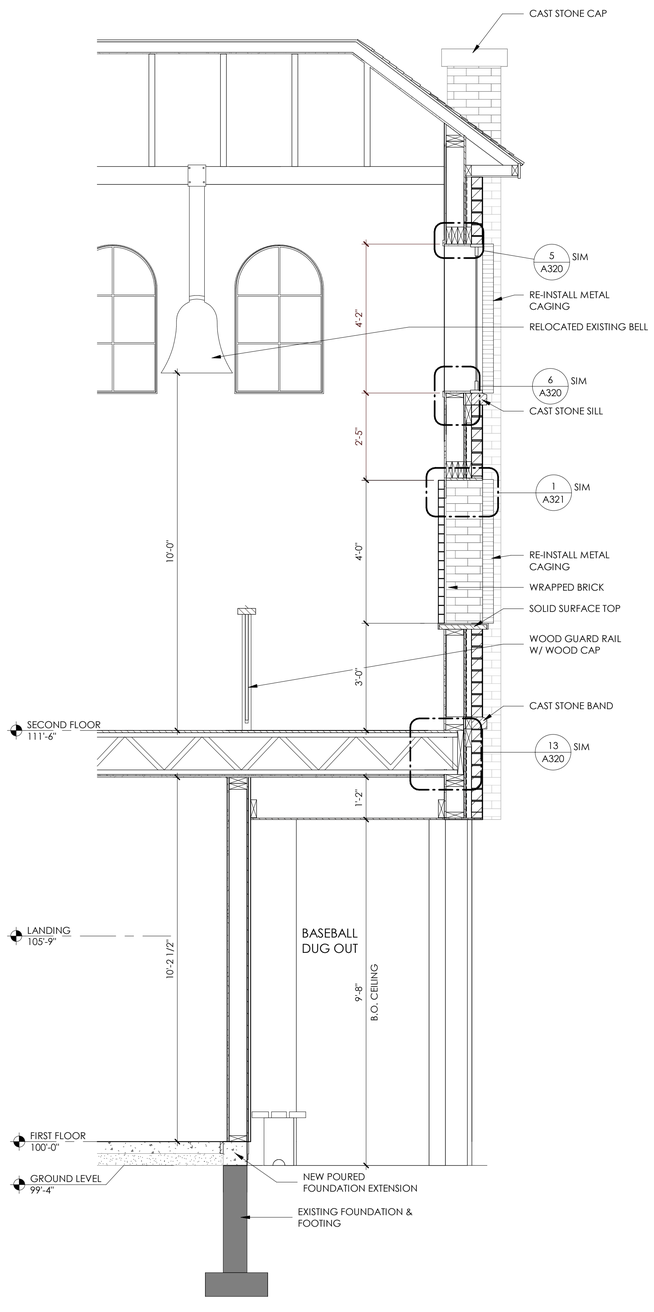
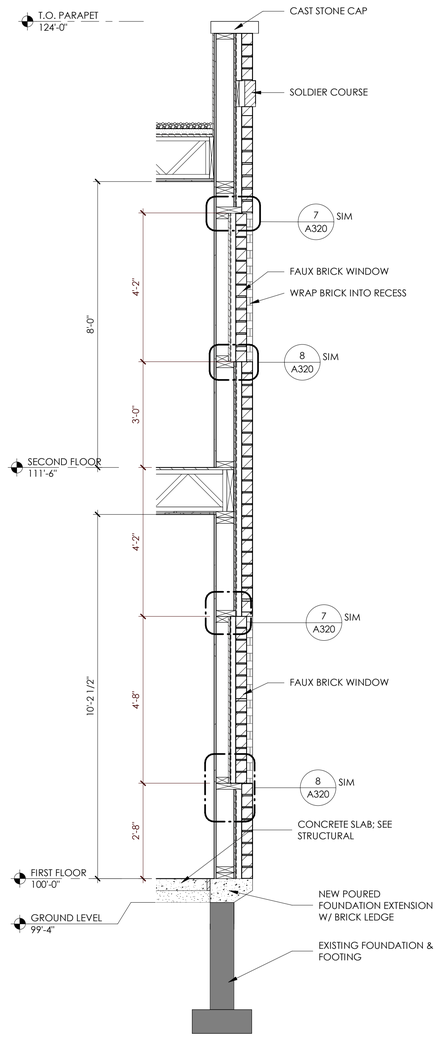
1 A303 WALL SECTION
1/8" = 1'-0"



2 A303 WALL SECTION
1/2" = 1'-0"



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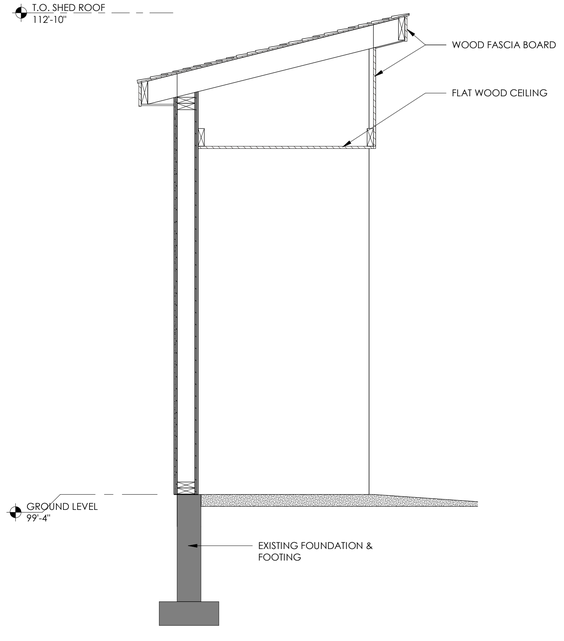

4 A303 WALL SECTION
1/2" = 1'-0"

KAEDING
ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

OLD TOWN CONCESSIONS
NEW BUILDING

WILLKOMMEN
MEMORIAL PARK
13 SE 1ST AVE
NORWOOD YOUNG
AMERICA, MN 55397

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JENNIFER KAEDING, AIA
51456 — REGISTRATION #
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PROJECT: OLD TOWN CONCESSIONS
DATE: 04/12/23
DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
WALL SECTIONS

SHEET NUMBER:
A303

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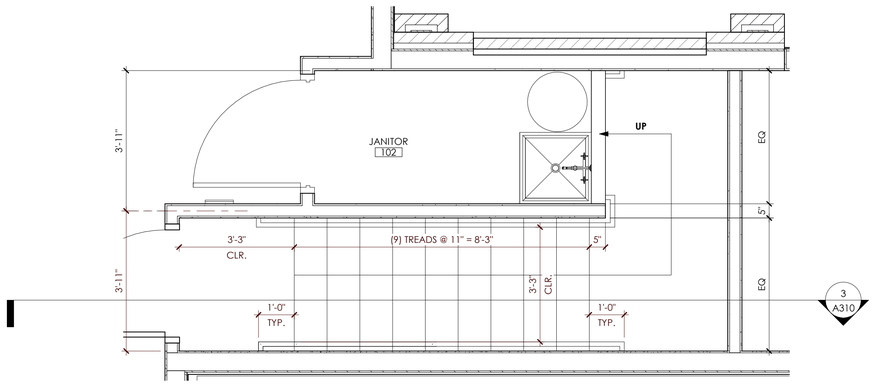
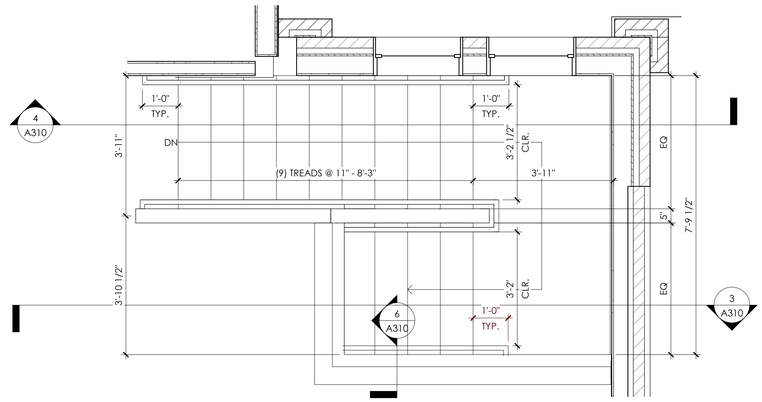
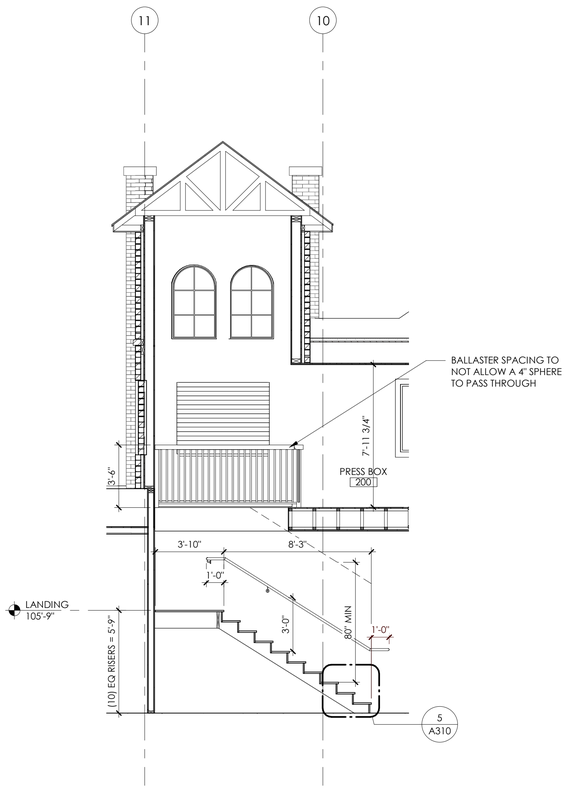


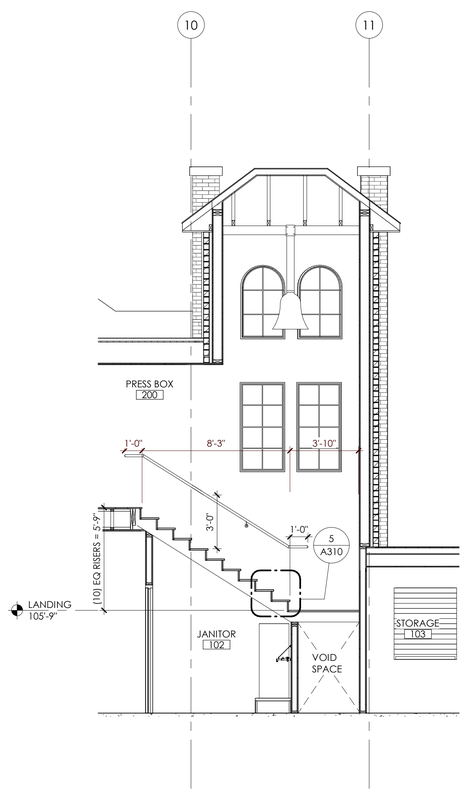
1 A310 ENLARGED STAIR - FIRST FLOOR
1/2" = 1'-0"



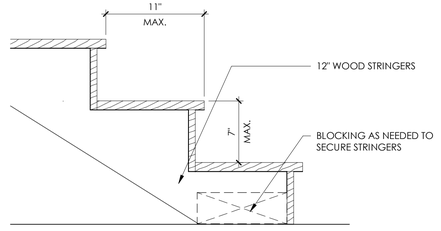
2 A310 ENLARGED STAIR - SECOND FLOOR
1/2" = 1'-0"



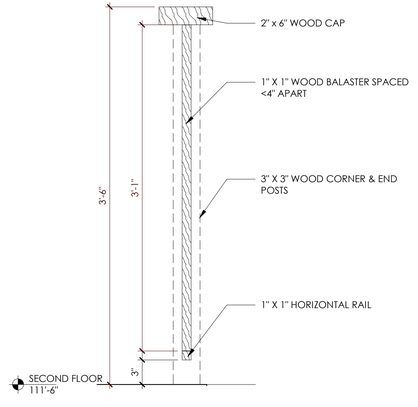
3 A310 STAIR SECTION - MAIN LEVEL
1/4" = 1'-0"



4 A310 STAIR SECTION - SECOND LEVEL
1/4" = 1'-0"



5 A310 DETAIL @ TREAD RISER
1 1/2" = 1'-0"



6 A310 SECTION @ RAILING
1 1/2" = 1'-0"

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CHECKED BY: JKAEDING

SHEET NAME:
ENLARGED STAIR

SHEET NUMBER:
A310

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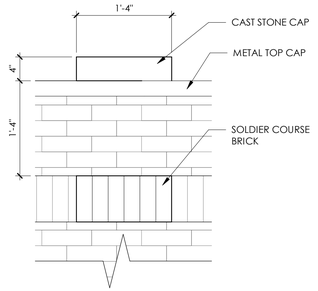
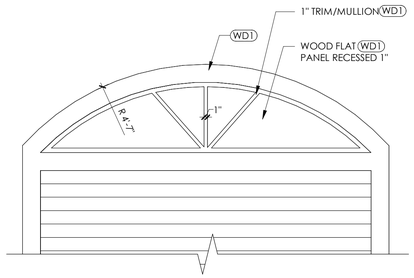
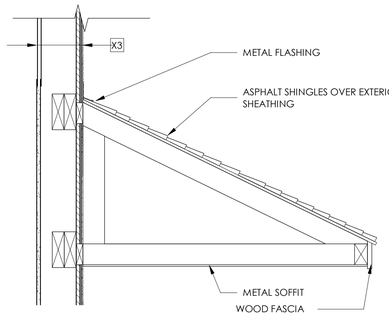


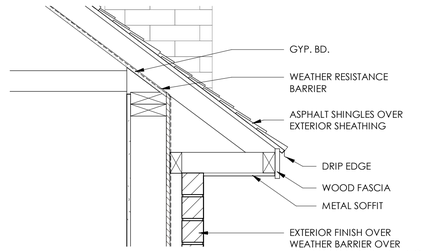
1 A320 DETAIL @ PARAPET BUMP OUT
1" = 1'-0"



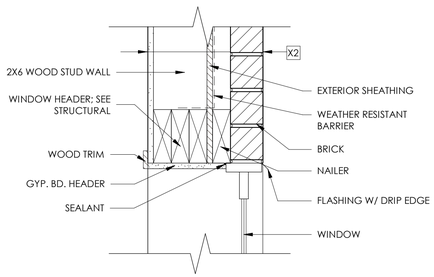
2 A320 DETAIL @ CONCESSION WINDOW
3/4" = 1'-0"



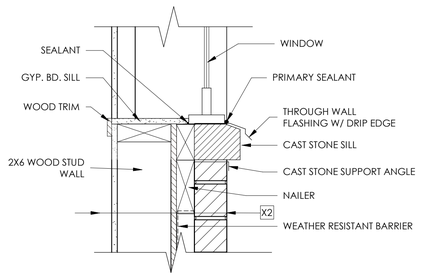
3 A320 SECTION @ CANOPY
1" = 1'-0"



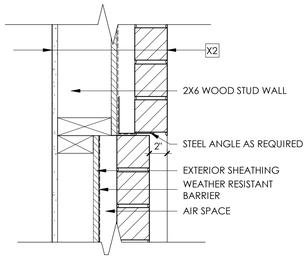
4 A320 DETAIL @ HIP ROOF OVERHANG
1" = 1'-0"



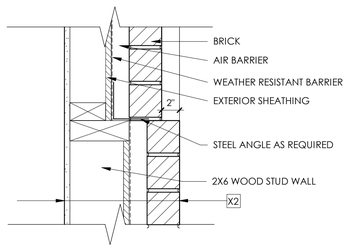
5 A320 WINDOW HEAD DETAIL @ BRICK
1 1/2" = 1'-0"



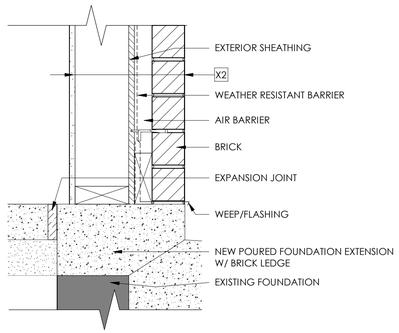
6 A320 WINDOW SILL DETAIL @ BRICK
1 1/2" = 1'-0"



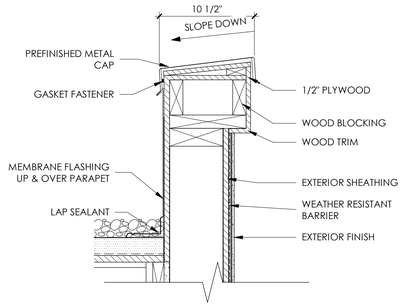
7 A320 WINDOW HEAD DETAIL @ FAUX BRICK WINDOW
1 1/2" = 1'-0"



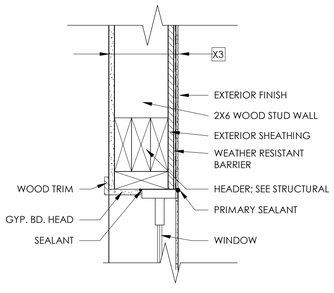
8 A320 WINDOW SILL DETAIL @ FAUX BRICK WINDOW
1 1/2" = 1'-0"



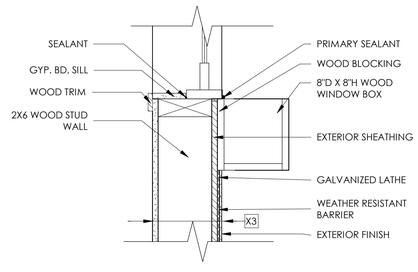
9 A320 TYP. WALL BASE DETAIL @ BRICK
1 1/2" = 1'-0"



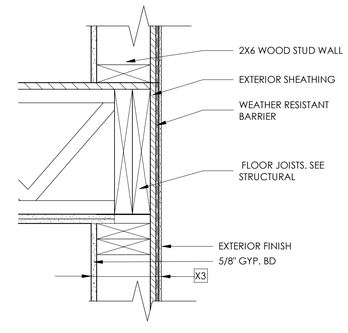
10 A320 DETAIL @ STUCCO PARAPET
1 1/2" = 1'-0"



11 A320 WINDOW HEAD DETAIL @ STUCCO
1 1/2" = 1'-0"



12 A320 WINDOW SILL DETAIL @ STUCCO
1 1/2" = 1'-0"



13 A320 EXTERIOR WALL/FLOOR LOAD BEARING DETAIL
1 1/2" = 1'-0"

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235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
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DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
DETAILS

SHEET NUMBER:
A320

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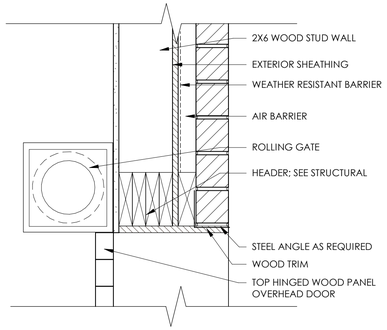
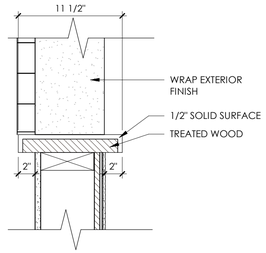
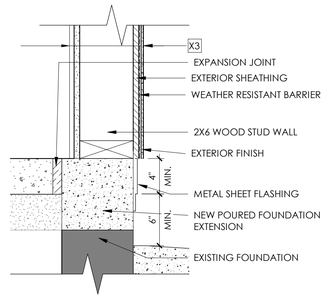


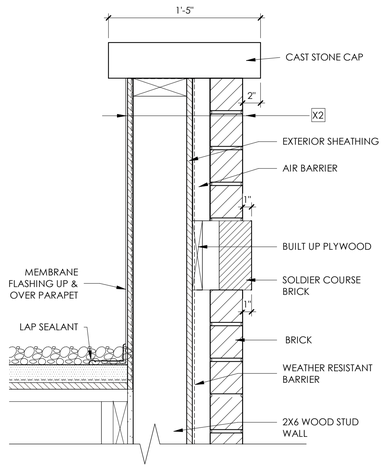
1 A321 HEAD DETAIL @ ROLLING GATE
1 1/2" = 1'-0"



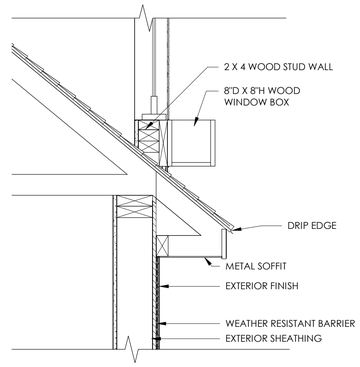
2 A321 SILL DETAIL @ ROLLING GATE STUCCO
1 1/2" = 1'-0"



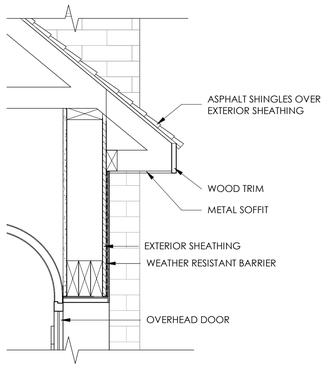
3 A321 TYP. BASE @ STUCCO
1 1/2" = 1'-0"



4 A321 DETAIL @ BRICK PARAPET
1 1/2" = 1'-0"



5 A321 DETAIL @ DORMER
1" = 1'-0"



6 A321 HEAD DETAIL @ OVERHEAD DOOR
1" = 1'-0"

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DETAILS

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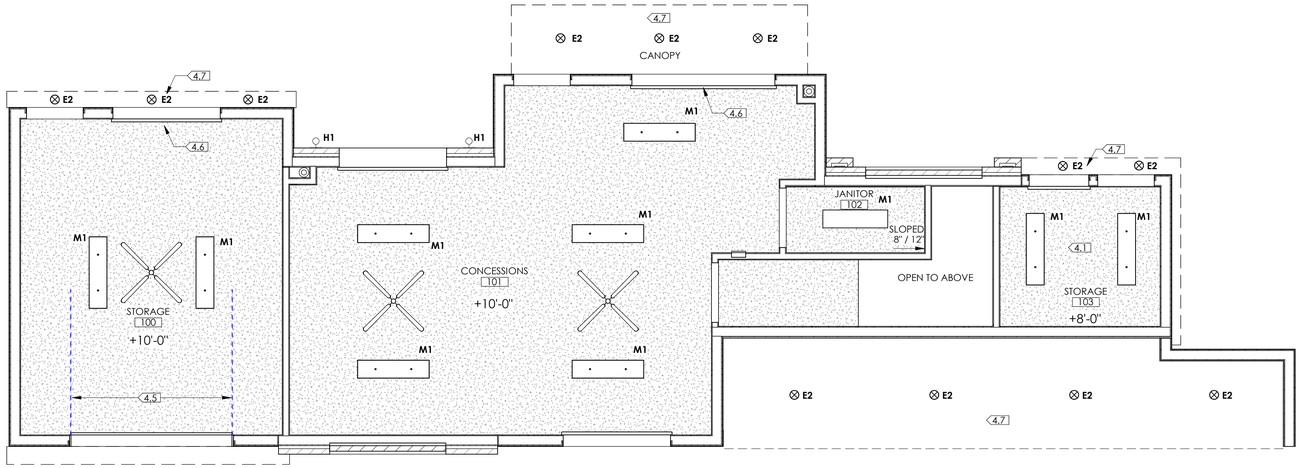
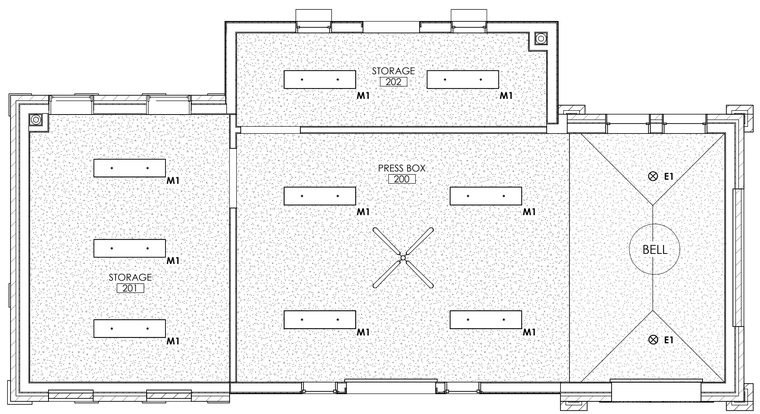


1 A400 FIRST FLOOR - REFLECTED CEILING PLAN
1/4" = 1'-0"



3 A400 SECOND FLOOR - REFLECTED CEILING PLAN
1/4" = 1'-0"

RCP GENERAL NOTES

1. ELECTRICAL CONTRACTOR/ ENGINEER IS RESPONSIBLE FOR DESIGN DRAWINGS AND/ OR CALCULATIONS TO MEET THE MINNESOTA RULES CHAPTER 1323, COMMERCIAL ENERGY CODE.
2. REFLECTED CEILING PLANS ARE SCHEMATIC AND DO NOT REFLECT ACTUAL WORK TO BE PERFORMED. MECHANICAL CONTRACTORS TO CALCULATE/ VERIFY WORK TO BE DONE.
3. PATCH TO MATCH ANY AND ALL GRID/ ACT DAMAGE DUE TO DEMOLITION, NEW CONSTRUCTION, RELOCATION OF LIGHTS, OR EXISTING DAMAGE. NEW ACT TO MATCH EXISTING STYLE, SIZE, AND FINISH.
4. VERIFY ZONING OF H.V.A.C. THROUGHOUT SUITE. UPGRADE SYSTEMS TO ACCOMMODATE NEW CONSTRUCTION PER CODE. ALL WORK TO BE DONE BY A LICENSED CONTRACTOR.
5. EXISTING SPRINKLER & MECHANICAL TO BE FIELD VERIFIED. UPGRADE AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION PER CODE.
6. ELECTRICAL CONTRACTOR TO PROVIDE EMERGENCY LIGHTING & EXIT SIGNS AS REQUIRED BY CODE & A.D.A. (AMERICANS WITH DISABILITIES ACT).
7. ELECTRICAL CONTRACTOR TO VERIFY SWITCHING/CIRCUIT LOADS AT EXISTING & NEW LIGHT FIXTURES. ANY SWITCHING SHOWN IS FOR DESIGN INTENT ONLY.
8. ALL NEW & RELOCATED LIGHT FIXTURES TO BE SUPPORTED FROM THE STRUCTURE ABOVE. LIGHTS TO BE INDEPENDENT OF GRID.
9. PROVIDE WHITE SEMI RECESSED SPRINKLER HEADS WITH WHITE TRIM RING AT ALL A.C.T. CEILING LOCATIONS AND FULLY RECESSED SPRINKLER HEADS WITH WHITE ESCUTCHEON PLATES AT ALL GYP. BD. CEILING LOCATIONS AS REQUIRED BY APPLICABLE CODES AND ORDINANCES.
10. **ALL GYP. BD. SOFFITS ABOVE UPPER CABINETS TO BE @ 7'-2" AFF AND OVER HANG CABINETS BY 2" ON ALL SIDES.**
11. ALL NEW LIGHT FIXTURES TO BE LAMPED WITH 3500 K COLORED LED BULBS.
12. ALL ROOMS TO BE SWITCHED INDEPENDENTLY, U.N.O.

RCP LEGEND

E1	NEW 6" SURFACE MOUNTED LED CAN FIXTURE
E2	NEW 6" RECESSED LED EXTERIOR GRADE CAN FIXTURE
M	NEW 1'x4' LED INDUSTRIAL CEILING MOUNTED LIGHT FIXTURE
H1	NEW DECORATIVE WALL SCONCE - HINKLEY LIGHTING; TRELLS 4 LIGHT 22- 1/4" TALL OUTDOOR SCONCE
	NEW 56" INDUSTRIAL CEILING FAN
	GYP. BD. CEILING @ UNDERSIDE OF STRUCTURE

REFLECTED CEILING PLAN KEYED NOTES

4.1	PROVIDE ROUGH-IN FOR FUTURE CEILING FAN
4.2	NOT USED
4.3	NOT USED
4.4	NOT USED
4.5	OVERHEAD DOOR TRACKS
4.6	ROLLING DOOR
4.7	CANS TO CENTERED IN SOFFIT/CANOPY

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CHECKED BY: JKAEDING

SHEET NAME:
REFLECTED CEILING PLANS

SHEET NUMBER:
A400

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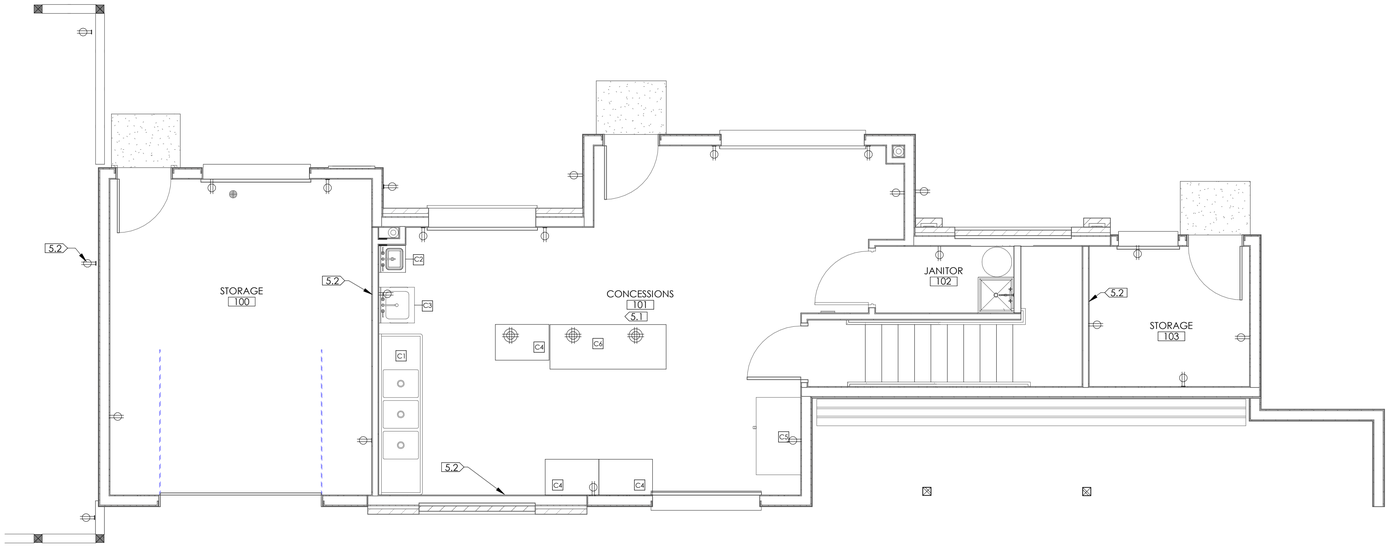
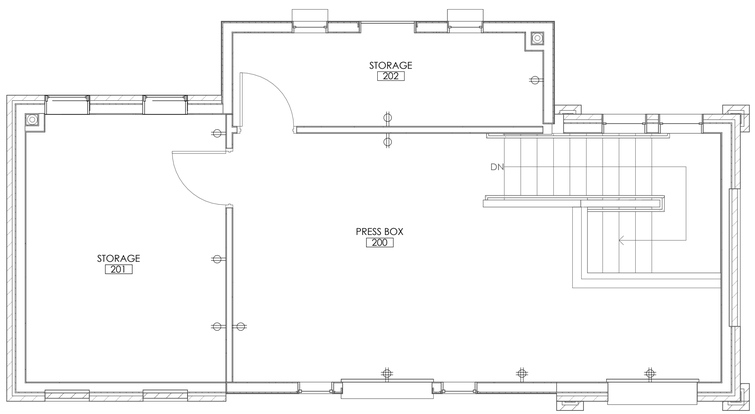


1 A500 FIRST FLOOR - ELECTRICAL/EQUIPMENT PLAN
1/4" = 1'-0"



2 A500 SECOND FLOOR - ELECTRICAL/EQUIPMENT PLAN
1/4" = 1'-0"

ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL WORK TO BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR AND TO CONFORM TO ALL STATE AND LOCAL CODES.
2. ELECTRICAL CONTRACTOR/ ENGINEER IS RESPONSIBLE TO DESIGN DRAWINGS AND/ OR CALCULATIONS TO MEET THE MINNESOTA RULES CHAPTER 1323, COMMERCIAL ENERGY CODE.
3. ELECTRICAL PLANS ARE SCHEMATIC AND DO NOT REFLECT ACTUAL WORK TO BE PERFORMED. ELECTRICAL CONTRACTORS ARE TO CALCULATE/ VERIFY WORK TO BE DONE.
4. ALL NEW ELECTRICAL TO BE @ 18" A.F.F. UNLESS OTHERWISE NOTED ON PLAN. ALL HEIGHTS ARE TO THE CENTERLINE OF JUNCTION BOX.
5. ELECTRICAL CONTRACTOR TO PROVIDE EMERGENCY LIGHTING AND EXIT SIGNS AS REQUIRED PER CODE AND A.D.A. (AMERICANS WITH DISABILITIES ACT).
6. ALL ELECTRICAL, TELEPHONE BOXES IN ADJACENT ROOMS TO BE STAGGERED TO PREVENT NOISE TRANSMISSION.
7. ELECTRICAL SUB-CONTRACTORS RESPONSIBLE TO REMOVE ALL EXISTING CABLING FOR VOICE & DATA COMMUNICATIONS WHICH ARE NOT TO BE USED BY TENANT.
8. ELECTRICAL CONTRACTOR TO VERIFY EXISTING ELECTRICAL SYSTEM, CIRCUIT LOCATIONS, LOADS, ETC. AND MODIFY SERVICE AS REQUIRED.
9. ALL EXISTING OR NEW CABLING TO REMAIN IN PLENUM TO BE BUNDLED AND STRAPPED TO STRUCTURAL DECK ABOVE.
10. ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING CABLING FOR VOICE & DATA COMMUNICATIONS WHICH ARE NOT TO BE USED BY TENANT.
11. ALL MECHANICAL, ELECTRICAL & SPRINKLER SYSTEM WORK IS TO BE PERFORMED ON A DESIGN-BUILD FORMAT. MECHANICAL, ELECTRICAL & SPRINKLER CONTRACTORS TO PROVIDE ALL DRAWINGS, SPECIFICATIONS & CALCULATIONS AS REQUIRED BY STATE AND LOCAL CODES.
12. PHONE BOARD TO BE FIRE RETARDANT, INTERIOR SOUND, GRADE (2) - B-D INT APA-UTILITY PANEL WITH ONE SOLID SIDE FOR SMOOTH PAINTED SURFACE.
13. ALL NEW ELECTRICAL/ COMMUNICATIONS DEVICES AND COVER PLATES TO MATCH EXISTING.
14. ALL EXISTING ELECTRICAL TO REMAIN UNLESS OTHERWISE NOTED. IF NEW ELECTRICAL IS PROPOSED WITHIN 24" OF EXISTING, USE EXISTING.
15. REFER TO MILLWORK ELEVATIONS TO COORDINATE LOCATIONS OF POWER AND VOICE/ DATA RECEPTACLES WITH CABINETS, APPLIANCES, ETC. TO ENSURE CORRECT ALIGNMENT.
16. PROVIDE OCCUPANCY SENSORS THROUGHOUT SPACE PER CODE.

ELECTRICAL LEGEND

- DUPLEX RECEPTACLE
- FOURPLEX RECEPTACLE
- CEILING MOUNT FOURPLEX RECEPTACLE
- USB RECEPTACLE
- EP — ELECTRICAL PANEL
- J — JUNCTION BOX
- C — COAXIAL CABLE OUTLET

SYMBOL NOTES

XX	HEIGHT ABOVE FINISHED FLOOR (8" ABOVE ANY COUNTER TOP U.N.O.)
D	DEDICATED CIRCUIT
GFI	GROUND FAULT INTERRUPT
220V	REQUIRED VOLTAGE
20A	REQUIRED AMPERAGE
E	EXISTING TO REMAIN
WP	WALL PHONE (48" AFF)

ELECTRICAL PLAN KEYED NOTES

5.1	VERIFY ELECTRICAL W/ EQUIPMENT
5.2	PROVIDE A 50 AMP RECEPTACLE

CONCESSIONS EQUIPMENT LEGEND

C1	3 COMPARTMENT SINK
C2	PREP SINK
C3	HANDWASHING SINK
C4	STAINLESS STEEL PREP TABLE
C5	SMALL COOLER
C6	LARGE COOLER

KAEDING ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

OLD TOWN CONCESSIONS
NEW BUILDING

WILLKOMMEN
MEMORIAL PARK
13 SE 1ST AVE
NORWOOD YOUNG
AMERICA, MN 55397

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JENNIFER KAEDING, AIA
51456 — REGISTRATION #
4/12/23 — DATE

ISSUE RECORD:

2/9/23	CONSTRUCTION DOCUMENTS
4/12/23	CD REISSUE

PROJECT: OLD TOWN CONCESSIONS
DATE: 04/12/23
DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
ELECTRICAL/EQUIPMENT PLANS

SHEET NUMBER:
A500

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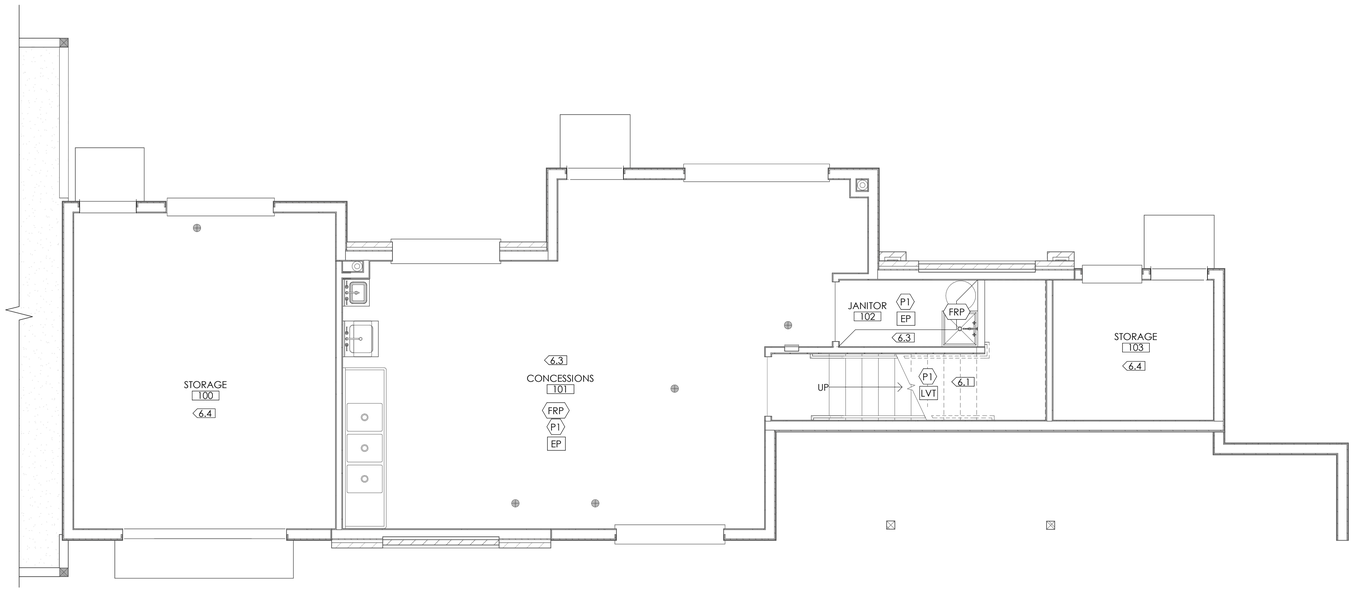
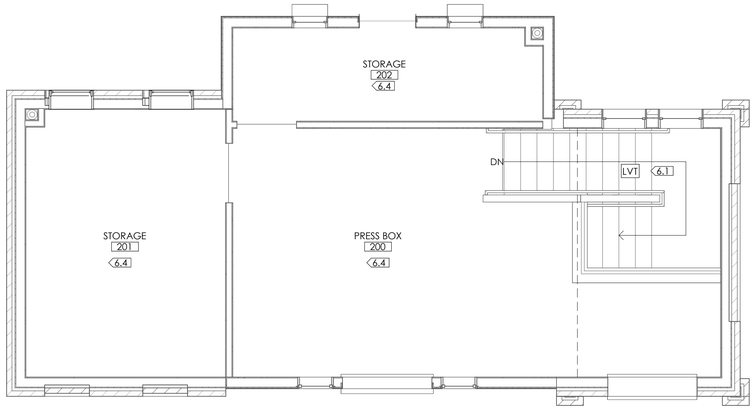


1 A600 FIRST FLOOR - FINISH PLAN
1/4" = 1'-0"



3 A600 SECOND FLOOR - FINISH PLAN
1/4" = 1'-0"

FINISH GENERAL NOTES

1. ALL EXPOSED SURFACES TO BE PREPARED TO RECEIVE NEW FINISHES.
2. DO NOT SCALE DRAWINGS.
3. ALL MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
4. NO SUBSTITUTIONS WITHOUT DESIGNER OR BUILDING OWNER'S APPROVAL.
5. ALL CARPETING TO BE INSTALLED BY DIRECT GLUE METHOD UNLESS NOTED OTHERWISE.
6. INSPECT ALL SURFACES TO RECEIVE NEW FINISHES. REPORT TO DESIGNER ANY AREAS WHICH ARE NOT SUITABLE TO RECEIVE NEW FINISHES PRIOR TO BEGINNING WORK. CONTACT DESIGNER WITH ANY DISCREPANCIES IN PRODUCT QUALITY, SUCH AS DYELOT VARIANCES, PRODUCT SHADING, ETC. DO NOT CONTINUE TO INSTALL PRODUCTS WITH POSSIBLE DEFECTS.
7. ALL MATERIALS SPECIFIED ARE AVAILABLE AS OF ORIGINAL DATE ON PLAN. DESIGNER IS NOT RESPONSIBLE FOR ANY MATERIALS ORDERED AFTER THIS DATE THAT ARE DISCONTINUED OR UNAVAILABLE. ANY SUBSTITUTIONS MUST BE REVIEWED AND APPROVED BY DESIGNER.
8. SUB-CONTRACTOR TO CALL DESIGNER 24 HOURS IN ADVANCE OF CARPET GRAPHIC INSTALLATION FOR SITE VISIT.
9. GROUT LINES AT TILE FLOORS NO TO EXCEED 3/16" WIDTH.
10. ALL MISC. METAL ITEMS THROUGHOUT SPACE (METAL SUPPORT BRACKETS, FIRE EXTINGUISHER HOUSINGS, ETC.) TO BE PAINTED. DESIGNER TO SPECIFY COLOR.
11. ALL V.C.T. TILE TO BE INSTALLED IN "SAME DIRECTION" PATTERN. PRODUCT TO BE WASHED & WAXED AFTER INSTALLATION PER MANUFACTURER'S GUIDELINES.
12. ALL SHEET VINYL PRODUCTS TO BE INSTALLED IN "SAME DIRECTION" PATTERN. PRODUCT TO BE WASHED & WAXED AFTER INSTALLATION PER MANUFACTURER'S GUIDELINES. NOTE: SHEET VINYL PRODUCTS MAY REQUIRE 3-5 COATINGS OF APPROPRIATE METAL CROSSLINK ACRYLIC POLISH. VERIFY WITH MANUFACTURER'S REPRESENTATIVE PER PRODUCT FOR EXACT SPECS AND RECOMMENDATIONS.
13. CONTRACTOR TO SUBMIT QUANTITY (2) SAMPLES/ CUT SHEETS FOR ALL FINISH MATERIALS LISTED IN FINISH SCHEDULE TO DESIGNER FOR APPROVAL PRIOR TO ORDERING PRODUCTS. IF SAMPLES ARE NOT SUBMITTED, CONTRACTOR ASSUMES RESPONSIBILITY.
14. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED:
15. ALL PAINTS TO BE SHERWIN WILLIAMS - INTERIOR WALLS AND SOFFITS TO BE SATIN/ EGGSHELL - DOOR FRAMES TO BE SEMI-GLOSS.
16. ALL FINISH SUBMITTALS/ SAMPLES TO BE SENT TO THE INTERIOR DESIGNER. SEE SHEET A000 FOR ADDRESS.
17. PROVIDE TRANSITION STRIPS AT THE FOLLOWING LOCATIONS:
    - TILE: SCHLUTER; ANODIZED ALUMINUM, SATIN, APPROPRIATE FLOORING TRANSITION/ JOLLY WALL CAP/ DILEX-AHK COVE
    - NON-TILE FLOORING: VINYL/RUBBER TRANSITION UNLESS PRODUCTS ARE THE SAME THICKNESS.
    - WALL PROTECTION: USED MANUFACTURER RECOMMENDED MATCHING TRIMS AT TOP, SEAMS, AND CORNERS UNLESS NOTED OTHERWISE.

FLOOR FINISH SCHEDULE

EPOXY	
EP	EPOXY; POLY TECH COLOR: GRAY BASE W/ MAROON, WHITE & BLACK FLECKS W/ NON SKID AGGREGATE & INTEGRAL 6" BASE
VINYL	
LVT	LVT SHAW CONTRACT; SOLITUDE, COCOA 48103 SIZE: 6" X 48"
VCT	VCT ARMSTRONG PEARL WHITE
VB	VINYL WALL BAS JOHNSONITE; 4" COVED (ROLL) CHARCOAL 20

WALL FINISH SCHEDULE

PAINT	
P1	PAINT - EPOXY SHERWIN WILLIAMS PASSIVE SW 7064
P2	PAINT - DOOR SHERWIN WILLIAMS RADISH SW 6861
P3	PAINT - DOOR SHERWIN WILLIAMS DANUBE SW 6803
P4	PAINT - DOOR SHERWIN WILLIAMS ARGYLE SW 6747
P5	PAINT - WOOD TRIM SHERWIN WILLIAMS FAIR FAX BROWN SW 2856
PLASTIC	
FRP	FRP COLOR: LIGHT GRAY INSTALL TO 7'-0" AFF

MILLWORK FINISH SCHEDULE

SOLID SURFACE	
SS1	SOLID SURFACE CORIAN MAHOGANY NUWOOD
WOOD	
WD1	WOOD WHITE OAK, CLEAR FINISH, PLAIN SLICED

FINISH PLAN KEYED NOTES

6.1	PROVIDE RUBBER STAIR NOSING TO MATCH LVT
6.2	NOT USED
6.3	CEILING TO BE PAINTED W/ WHITE EPOXY PAINT
6.4	INTERIOR FINISHES TO BE PROVIDED BY OTHERS. WALLS TO BE PRIMED BY CONTRACTOR.

KAEDING ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

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WILLKOMMEN
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PROJECT: OLD TOWN CONCESSIONS
DATE: 04/12/23
DRAWN BY: BBAKER
CHECKED BY: JKAEDING

SHEET NAME:
FLOOR & WALL FINISH PLANS

SHEET NUMBER:
A600

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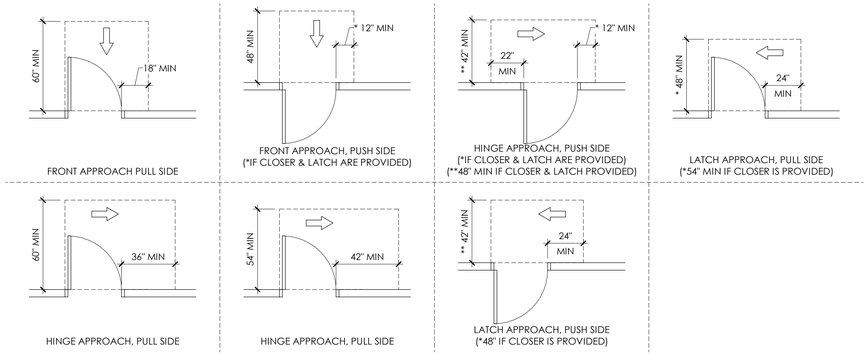
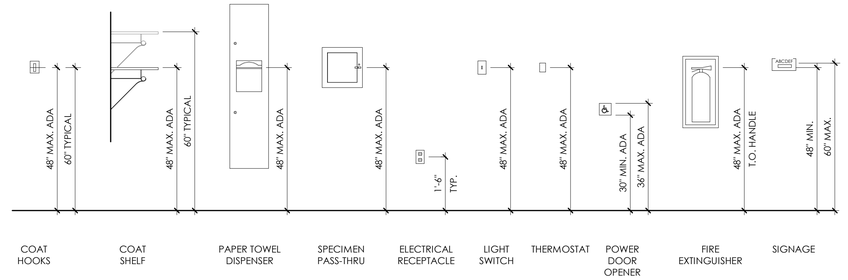


1 A800 MANEUVERING CLEARANCE @ MANUAL DOORS
1/4" = 1'-0"



2 A800 TYPICAL MOUNTING HEIGHTS - MISC
1/2" = 1'-0"

KAEDING ARCHITECTURE
235 W. MAIN STREET, SUITE 201
WACONIA, MN 55387
952.451.9763

PROJECT INFORMATION:

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NEW BUILDING

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PROJECT: OLD TOWN CONCESSIONS
DATE: 04/12/23
DRAWN BY: Author
CHECKED BY: Checker

SHEET NAME:
STANDARD DETAILS & TYPICAL MOUNTING HEIGHTS

SHEET NUMBER:
A800

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STRUCTURAL NOTES:

BUILDING CODE

2020 MINNESOTA BUILDING CODE

DESIGN LOADS:

ROOF LOAD:	DEAD LOAD:	25 PSF
	LIVE LOAD:	20 PSF
SNOW LOAD:	GROUND SNOW LOAD:	Pg = 50 PSF
	EXPOSURE FACTOR:	Ce = 1.0
	THERMAL FACTOR:	Ct = 1.2 (UN-HEATED)
	IMPORTANCE FACTOR:	I = 1.0
	FLAT ROOF SNOW LOAD:	Pf = 42 PSF
FLOOR LOAD:	DEAD LOAD (MISC):	10 PSF
	LIVE LOAD:	50 PSF
WIND LOAD:	BASIC WIND SPEED:	V = 110 MPH
	EXPOSURE GROUP:	C
HANDRAILS & GUARDRAILS:	CONCENTRATED LOAD:	200#
	COMPONENT LOAD:	50 PSF

DESIGN MATERIAL:

REINFORCING STEEL:	DEFORMED BARS	ASTM A615 GRADE 60
	WELDED WIRE FABRIC	ASTM A185
CONCRETE:	f'c = 3000 PSI @ 28 DAYS (FOOTINGS)	
	f'c = 4000 PSI (ALL OTHER)	

MASONRY GROUT (COREFILL): COMPLYING WITH ASTM C476, 8" - 11" SLUMP WITH 3/8" PEAGRAVEL AGGREGATE

DIMENSION LUMBER:	BEAMS:	SPRUCE-PINE-FIR NO.2
	STUDS:	SPRUCE-PINE FIR NO.2
	POSTS:	SPRUCE-PINE-FIR SELECT STRUCTURAL

DESIGN DEFLECTION CRITERIA:

ROOF	LIVE LOAD	= L/240
	TOTAL LOAD	= L/180
FLOOR	LIVE LOAD	= L/360
	TOTAL LOAD	= L/240

FUTURE EXPANSION:

THIS PROJECT IS NOT DESIGNED FOR FUTURE EXPANSION.

CONTRACTOR NOTES:

THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE PLANS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, SPECIFICATIONS OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

THE CONTRACTOR MUST CHECK ALL DIMENSIONS, FRAMING CONDITIONS, AND SITE CONDITIONS BEFORE STARTING WORK. ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES.

MATERIALS, EQUIPMENT AND PRODUCTS OTHER THAN THOSE DESCRIBED BELOW OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USE, PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE OWNER, ENGINEER AND THE GOVERNING AUTHORITY.

TYPICAL DETAILS SHALL APPLY WHERE NO SPECIFIC DETAILS OR SECTIONS ARE GIVEN.

STRUCTURAL MEMBERS INCLUDING TRUSSES, BEAMS, COLUMNS AND WALLS ARE DESIGNED FOR "IN PLACE" LOADS. CONTRACTOR IS RESPONSIBLE FOR BRACING ALL STRUCTURAL ELEMENTS (AS REQUIRED AT ANY STAGE OF CONSTRUCTION) UNTIL COMPLETION OF THIS PROJECT.

OBSERVATION VISITS TO THE JOB SITE BY THE ENGINEER DO NOT INCLUDE INSPECTION OF CONSTRUCTION METHODS OR SAFETY CONDITIONS AT THE WORK SITE. THESE VISITS SHALL NOT BE CONSIDERED AS CONTINUOUS AND DETAILED INSPECTIONS.

VERIFY ALL OPENINGS THROUGH CONSTRUCTION WITH HEATING AND VENTILATION CONTRACTOR, PLUMBING CONTRACTOR, AND ELECTRICAL CONTRACTOR FOR SIZE AND LOCATION.

ALL NON-BEARING PARTITIONS ARE TO BE CONSTRUCTED TO ALLOW LIVE LOAD DEFLECTION OF THE STRUCTURAL MEMBERS ABOVE. SEE THE DESIGN DEFLECTION CRITERIA NOTE ABOVE FOR THE EXTENT OF DEFLECTION.

SITE WORK:

EXCAVATE TOPSOIL, ORGANIC MATERIAL, AND DEBRIS FROM THE CONSTRUCTION AREA.

FOOTINGS SHALL BEAR ON COMPETENT NATURAL UNDISTURBED SOIL OR ENGINEERED FILL.

ALL FILL SHALL BE A GRANULAR MATERIAL AND COMPACTED TO 98 PERCENT OF STANDARD PROCTOR DENSITY (ASTM 698).

FOOTINGS HAVE BEEN DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 2,000 PSF. IN LIEU OF A SOILS REPORT, IT WILL BE THE RESPONSIBILITY OF OTHERS TO VERIFY THIS VALUE.

IF SOIL AT BOTTOM OF FOOTING IS OF QUESTIONABLE BEARING VALUE, NOTIFY THE ARCHITECT / ENGINEERS OFFICE AT ONCE.

MINIMUM DEPTH FROM EXTERIOR GRADE TO BOTTOM OF BUILDING PERIMETER FOOTINGS SHALL BE 3'-6". ALL OPEN AIR AND UNHEATED FOUNDATIONS SHALL HAVE A MINIMUM OF 5'-0" OF FROST PROTECTION.

WALL FOOTINGS SHALL BE STEPPED AT RATIO OF 1 VERTICAL TO 2 HORIZONTAL.

THE TOP OF FOOTING ELEVATION FOR ALL FOOTINGS SHALL BE STEPPED BELOW ANY UNDERGROUND UTILITIES THAT ARE ENTERING OR ARE ADJACENT TO THE BUILDING. THE CONTRACTOR SHALL COORDINATE FOOTING ELEVATIONS WITH UTILITIES PRIOR TO CONSTRUCTION.

CONCRETE:

CODE FOR REINFORCED CONCRETE IS THE ACI 318-18.

WHERE REINFORCING BARS ARE SHOWN CONTINUOUS, LAP SPLICE BARS 48 BAR DIAMETERS.

PROVIDE SUITABLE SUPPORT OF ALL REINFORCING TO PREVENT DISPLACEMENT DURING THE POURING OF CONCRETE.

ALUMINUM CONDUIT, ALUMINUM PIPING, OR ALUMINUM ACCESSORIES ARE NOT PERMITTED IN CONCRETE SLABS OR CONCRETE WALLS.

CONCRETE SHALL BE MAINTAINED ABOVE 50 DEGREES F. AND IN A MOIST CONDITION FOR AT LEAST 7 DAYS.

PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING IN ALL WALLS & FOOTINGS. ALL OPENINGS TO HAVE (2) #5 ALL SIDES AND DIAGONALLY AT CORNERS.

ALL EXTERIOR CONCRETE TO HAVE 5 - 6% ENTRAINED AIR BY VOLUME.

CONCRETE COVER (UNO ON PLANS) PER ACI 318 & ACI 117:

LOCATION	MINIMUM COVER
FOOTINGS AND GRADE BEAMS CAST AGAINST AND PERMENENTLY EXPOSED TO EARTH	3"
SLAB ON GRADE (W.W.F.)	1/3 SLAB THICKNESS FROM TOP OF SLAB
INTERIOR SLABS	3/4"
WALLS INTERIOR FACE	3/4"
WALLS EXTERIOR FACE - #5 & SMALLER	1 1/2"
WALLS EXTERIOR FACE - #6 & LARGER	2"

WHERE CONTINUOUS BARS ARE CALLED FOR, THAY SHALL RUN CONTINUOUSLY AROUND CORNERS AND BE LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS. LAP LENGTHS SHALL BE AS INDICATED IN THE SPLICE AND DEVELOPMENT TABLE BELOW. TABLE IS FOR 3,000 PSI CONCRETE

TOP BARS			OTHER BARS		
BAR SIZE	LAP	ANCHORAGE	BAR SIZE	LAP	ANCHORAGE
#3	28"	22"	#3	22"	17"
#4	37"	29"	#4	29"	22"
#5	47"	36"	#5	36"	28"
#6	56"	43"	#6	43"	33"
#7	81"	63"	#7	63"	48"
#8	93"	72"	#8	72"	55"

UNIT MASONRY ASSEMBLIES:

PROVIDE NORMAL WEIGHT CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90.

ALL MORTAR IN BEARING WALLS TO BE TYPE S COMPLYING WITH ASTM C270 BY PROPORTION (TYPE M BELOW GRADE)

ALL MASONRY WALLS SHALL HAVE 9 GAUGE (TRUSS TYPE) HORIZONTAL REINFORCING AT EVERY 2nd COURSE IN RUNNING BOND WALLS AND AT EVERY COURSE IN STACK BOND WALLS (UNO). HORIZONTAL REINFORCING NOT REQUIRED IN BASEMENT WALLS OR FOUNDATION WALLS WITH EARTH ON BOTH SIDES. SEE PLANS FOR VERTICAL REINFORCEMENT REQUIREMENT.

ALL VERTICAL REINFORCING SHALL BE HELD IN PLACE BY TYING TO EVERY OTHER LAYER OF HORIZONTAL REINFORCEMENT.

PROVIDE DOWELS FROM FOUNDATION TO MATCH VERTICAL REINFORCING. EMBED DOWELS 9" INTO FOUNDATION (UNO).

PROVIDE CONTINUOUS, SOLID GROUTED BOND BEAM WITH 2-#5 BAR AT ALL ROOF AND FLOOR BEARING ELEVATIONS AND AS SHOWN ON THE DRAWINGS.

ALL SPLICES IN REINFORCED MASONRY WALLS SHALL BE LAPPED AS FOLLOWS:
VERTICAL REINFORCING: 48 BAR DIAMETERS OR AS INDICATED ON THE PLANS
HORIZONTAL REINFORCING: 6 INCHES

MAINTAIN AN AIR TEMPERATURE ABOVE 40 DEGREES F. ON BOTH SIDES OF THE MASONRY FOR AT LEAST 48 HOURS AFTER THE MASONRY WORK IS COMPLETED.

MAXIMUM SPACING FOR VERTICAL CONTROL JOINTS IN BLOCK WALLS SHALL NOT EXCEED 24 FT. O.C. TERMINATE HORIZONTAL JOINT REINFORCEMENT EACH SIDE OF CONTROL JOINT. REINFORCING STEEL AND GROUT TO BE CONTINUOUS AT PERIMETER BOND BEAM. RAKE JOINT AND APPLY BACKER ROD AND SEALANT.

DIMENSION LUMBER:

CODE FOR ROUGH CARPENTRY IS THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS), EDITION IN EFFECT AT THE TIME OF PERMIT SUBMITTAL.

FOUNDATION PLATES OR SILLS SHALL BE BOLTED OR ANCHORED TO THE FOUNDATION WITH A MINIMUM OR TWO BOLTS OR ANCHOR STRAPS PER PIECE WITH ONE BOLT OR ANCHOR STRAP LOCATED NOT MORE THAN 12" OR LESS THAN 4" FROM EACH END OF EACH PIECE PER IBC 2006.

SILL PLATE SHALL BE 2X6 MINIMUM. ANCHOR BOLT SHALL BE MINIMUM 0.5" DIAMETER (U.N.O.) CAST-IN-PLACE WITH 7" EMBED. ANCHOR BOLTS SHALL HAVE A 2" DIAMETER BY 0.125" THICK WASHER TIGHTENED AND COUTERSUNK 0.25" INTO THE TOP OF THE SILL PLATE.

ALL MEMBER SIZES GIVEN ON PLAN ARE NOMINAL DIMENSIONS.

WOOD JOISTS, BEAMS AND LINTELS SHALL BEAR ON THE FULL WIDTH OF SUPPORTING MEMBERS, UNLESS NOTED OTHERWISE.

ALL PLATES IN CONTACT WITH THE FOUNDATION SHALL BE PRESERVATIVE TREATED.

ALL ACQ OR COPPER AZOLE (CBA, CA) PRESERVATIVE TREATED LUMBER SHALL UTILIZE STAINLESS STEEL OR HOT-DIPPED GALVANIZED FASTENERS, CONNECTORS, ANCHOR BOLTS AND ACCESSORIES OR AN APPROVED EQUAL. VERIFY APPLICABLE FASTENERS CORROSION RESISTANCE WITH PRESSURE TREATED WOOD MANUFACTURER.

WOOD MEMBERS ARE TO BE INSTALLED WITH THE CODE MINIMUM CLEAR DISTANCE AWAY FROM ANY INTERIOR OR FINISH GRADES.

JOIST HANGERS SHALL BE GALVANIZED STEEL AND SIZED TO SUPPORT THE LOADING SHOWN ON DRAWINGS. THE JOIST HANGERS SHALL BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL IF SUPPORTING ACQ OR COPPER AZOLE (CBA, CA) PRESERVATIVE TREATED LUMBER.

DOUBLE ALL JOIST UNDER PARALLEL PARTITIONS

FLOOR, ATTIC AND ROOF FRAMING WITH A NOMINAL DEPTH-TO-THICKNESS RATIO GREATER THEN 6:1 SHALL HAVE ONE LINE OF BRIDGING FOR EACH 8 FEET OF SPAN. A LINE OF BRIDGING SHALL ALSO BE REQUIRED AT SUPPORTS WHERE EQUIVALENT LATERAL SUPPORT IS NOT OTHERWISE PROVIDED. SEE IBC 2000 SECTION 2308.8.5 FOR ADDITIONAL INFORMATION.

PROVIDE SOLID BLOCKING, WITHIN FLOORS, TO PROVIDE CONTINUOUS BEARING FROM THE POINT OF BEARING TO THE FOUNDATION OR SUPPORTING MEMBER BELOW.

STAGGER NAILING PATTERN IN ACCORDANCE WITH THE CURRENT NDS TO AVOID SPLITTING MEMBER.

MINIMUM FASTENER LENGTH SHALL BE AS FOLLOWS UNO:

0.092" DIAMETER = 1-7/8" LENGTH

0.113" DIAMETER = 2-5/8" LENGTH

0.131" DIAMETER = 3-1/4" LENGTH

WOOD SHEATHING:

EACH PANEL OF CONSTRUCTION SHEATHING SHALL BE IDENTIFIED WITH THE APPROPRIATE GRADE-TRADE MARK OF THE AMERICAN PLYWOOD ASSOCIATION

PROVIDE 1/8" SPACE AT EDGES AND ENDS OF EACH SHEET OR AS REQUIRED BY THE MANUFACTURER.

GRADE AND TYPE SHALL BE AS FOLLOWS:

ROOF SHEATHING: 40/20 APA RATED SHEATHING EXPOSURE I

EXTERIOR WALL: 24/16 APA RATED SHEATHING EXPOSURE I

FLOORS: 48/24 APA RATED SHEATHING EXPOSURE I (T & G)

ROOF SHEATHING TO BE ATTACHED WITH 0.131" DIAMETER NAILS AT 6" O.C. EDGE, 12" O.C. FIELD. PROVIDE 6" O.C. NAILING TO ALL MEMBERS IN LINE WITH SHEAR WALLS. EDGE FASTENERS SHOULD BE PLACE 3/8" FROM PANEL EDGES AND ENDS OR AS REQUIRED BY THE MANUFACTURER.

FLOOR SHEATHING TO BE GLUED AND ATTACHED WITH 0.131" DIAMETER NAILS AT 6" O.C. EDGE, 10" O.C. FIELD. EQUIVALENT SCREWS MAY BE USED. PROVIDE 6" O.C. NAILING TO ALL MEMBERS IN LINE WITH SHEAR WALLS.

PROVIDE SOLID SHEATHING AT ALL SURFACES OF EXTERIOR WALLS. ATTACH WITH 0.131" DIAMETER NAILS AT 6" O.C. EDGE, 12" O.C. FIELD. PROVIDE EDGE NAILING AT ALL POSTS ATTACHED TO HOLDOWNS (AS OCCURS). SEE PLANS FOR LOCATIONS OF SPECIAL NAILING REQUIREMENTS.

SPLICE ALL SHEATHING ON A COMMON MEMBER SO AS TO PROPERLY TRANSFER SHEAR FORCES.

AT INTERIOR WALL SHEATHING, LAP AND NAIL WALL SHEATHING TO THE FLOOR AND ROOF MEMBERS SO AS TO TRANSFER SHEAR FROM LEVEL TO LEVEL. ALL SILL PLATES AT INTERIOR SHEATHING TO BE NAILED TO THE FRAMING BELOW WITH 0.131" DIAMETER NAILS. THE SPACING OF THE NAILS ARE TO MATCH THE EDGE NAIL SPACING IN THE SHEATHING BELOW.

ALL SHEATHING NAILING TO BE COMMON WIRE OR GALVANIZED BOX NAILS.

BLOCK AND NAIL ALL EDGES OF SHEATHING AT ALL WALL CONDITIONS.

GYPSUM WALL BOARD SHEATHING:

THIS PROJECT IS DESIGNED UTILIZING ALL EXTERIOR AND INTERIOR WALLS AS GYPSUM BOARD SHEAR WALLS.

SHEAR WALL MATERIAL TO BE 5/8" FIRE RESISTANT GYPSUM WALL BOARD. SPECIAL WATER RESISTANT GYPSUM BOARD AND GYPSUM SHEATHING TO BE USED AT EXTERIOR SURFACES, SHOWERS AND WATER CLOSETS AS REQUIRED BY CODE.

PROVIDE SOLID GYPSUM WALL BOARD SHEATHING AT EACH SIDE OF ALL INTERIOR AND EXTERIOR WALL SURFACES. ATTACH TO ALL SUPPORTING FRAMING WITH 0.092" DIAMETER COOLER OR WALLBOARD NAILS. EQUIVALENT SCREWS MAY BE USED. ATTACH TO ALL FRAMING AT 7" O.C.

SPLICE ALL GYPSUM BOARD SHEATHING ON A COMMON MEMBER SO AS TO PROPERLY TRANSFER SHEAR FORCES.

LAMINATED BEAMS (LAMINATED VENEER LUMBER):

LAMINATED BEAMS TO BE "LAMINATED VENEER" LUMBER.

ALL LAMINATED BEAMS USED IN MULTIPLES SHALL BE FASTENED TOGETHER WITH A MINIMUM OF 2 ROWS OF 0.131" DIAMETER NAILS AT 12" O.C. 14", 16" AND 18" BEAMS SHALL BE FASTENED TOGETHER WITH A MINIMUM OF 3 ROWS OF 0.131" DIAMETER NAILS AT 12" O.C.

16" & 18" DEEP BEAMS SHALL BE USED IN MULTIPLE MEMBER UNITS ONLY.

DESIGN STRESSES: E = 2.0X 10^6 PSI
Fb= 2600 PSI
Fv= 285 PSI
Fc= 750 PSI

NEW WORK IN CONJUNCTION WITH EXISTING CONSTRUCTION:

THE CONTRACTOR SHALL FIELD VERIFY ALL SIZES, DIMENSIONS, ELEVATIONS, LOCATIONS, ETC. OF ELEMENTS OF THE EXISTING CONSTRUCTION WHICH ARE RELATIVE TO THE NEW CONSTRUCTION.

ALL DIMENSIONS INVOLVING NEW WORK TYING INTO OR GOVERNED BY EXISTING CONSTRUCTION SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND FURNISHED TO THE SUBCONTRACTOR PRIOR TO FABRICATION OF ANY WORK.

THE ENGINEER HAS MADE ASSUMPTIONS CONCERNING THE SOUNDNESS OF THE EXISTING BUILDING. THESE ASSUMPTIONS INCLUDE THAT THE BUILDING WAS DESIGNED AND CONSTRUCTED IN CONFORMANCE WITH SOUND DESIGN AND CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTION CONCERNING THE PRESERVATION OF THE EXISTING BUILDING DURING DEMOLITION AND NEW CONSTRUCTION WORK.

THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS.

SHOP DRAWINGS:

SHOP DRAWINGS, DESIGN CRITERIA AND DESIGN CALCULATIONS (IF REQUIRED) SHALL BE FURNISHED FOR THE FOLLOWING STRUCTURAL COMPONENTS:

REINFORCING STEEL
ALL PRE-FABRICATED STRUCTURAL ELEMENTS

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND BUILDING DEPT. FOR REVIEW PRIOR TO FABRICATION.

SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT AND ARE SUPERCEDED BY THE STRUCTURAL DRAWINGS. ANY REVIEW OF THE SHOP DRAWINGS BY THIS OFFICE IS ONLY FOR GENERAL CONFORMANCE TO THE STRUCTURAL REQUIREMENTS AND IN NO WAY GUARANTEES THE ACCURACY OR COMPLETENESS OF THE INFORMATION THEREON. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL THE CONSTRUCTION IS IN FULL COMPLIANCE WITH THE LATEST SET OF STRUCTURAL DRAWINGS.

PRIOR TO SUBMITTAL, THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS AND MAKE ANY CORRECTIONS REQUIRED. THE CONTRACTOR SHALL STAMP AND SIGN THE DRAWINGS AS EVIDENCE THAT THEY HAVE REVIEWED THEM.

SPECIAL STRUCTURAL TESTING & INSPECTION SCHEDULE

VERIFICATION & INSPECTION	TYPE OF INSPECTOR	REPORT FREQUENCY	ASSIGNED FIRM
INSPECTION OF FABRICATORS (SECTION 1704.2)			
WHERE FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE REQUIRED BY THIS SECTION AND AS REQUIRED ELSEWHERE IN THIS CODE, INCLUDING PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES. SEE SECTION FOR REQUIREMENTS AND EXCEPTIONS.	TECHNICAL	PERIODIC	TA
CONCRETE CONSTRUCTION (SECTION 1705.3)			
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT	TECHNICAL	PERIODIC	TA
3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED	TECHNICAL	PERIODIC	TA
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	TECHNICAL	PERIODIC	TA
5. VERIFYING USE OF REQUIRED DESIGN MIX	TECHNICAL	PERIODIC	TA
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	TECHNICAL	CONTINUOUS	TA
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	TECHNICAL	CONTINUOUS	TA
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	TECHNICAL	PERIODIC	TA
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	TECHNICAL	PERIODIC	TA
LEVEL B MASONRY CONSTRUCTION (SECTION 1704.5)			
1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	TECHNICAL	PERIODIC	TA
2.a. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: PROPORTIONS OF SITE-PREPARED MORTAR	TECHNICAL	PERIODIC	TA
2.b. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: CONSTRUCTION OF MORTAR JOINTS	TECHNICAL	PERIODIC	TA
2.f.1. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY FOR THE FIRST 5000 SQUARE FEET	TECHNICAL	CONTINUOUS	TA
2.f.2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY AFTER THE FIRST 5000 SQUARE FEET	TECHNICAL	PERIODIC	TA
3.a. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: GROUT SPACE	TECHNICAL	PERIODIC	TA
3.e. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: CONSTRUCTION OF MORTAR JOINTS	TECHNICAL	PERIODIC	TA
4.a. VERIFY DURING CONSTRUCTION: SIZE AND LOCATION OF STRUCTURAL ELEMENTS	TECHNICAL	PERIODIC	TA
4.b. VERIFY DURING CONSTRUCTION: TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	TECHNICAL	PERIODIC	TA
4.d. VERIFY DURING CONSTRUCTION: PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F (4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F (32.2°C))	TECHNICAL	PERIODIC	TA
4.g.1. VERIFY DURING CONSTRUCTION: PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOIST FOR THE FIRST 5000 SQUARE FEET	TECHNICAL	CONTINUOUS	TA
4.g.2. VERIFY DURING CONSTRUCTION: PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOIST AFTER THE FIRST 5000 SQUARE FEET	TECHNICAL	PERIODIC	TA
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	TECHNICAL	PERIODIC	TA
SOILS (SECTION 1705.6)			
1. VERIFY MATERIALS BELOW SHALLOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	TECHNICAL	PERIODIC	TA
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	TECHNICAL	PERIODIC	TA
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	TECHNICAL	PERIODIC	TA
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	TECHNICAL	CONTINUOUS	TA
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY	TECHNICAL	PERIODIC	TA

LEGEND : SER = STRUCTURAL ENGINEER OF RECORD; TA = TESTING AGENCY; SI-T = SPECIAL INSPECTOR-TECHNICAL; SI-S = SPECIAL INSPECTOR-STRUCTURAL; F = FABRICATOR; .

NOTE:
THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL INSPECTIONS BY THE LOCAL BUILDING DEPARTMENT, SPECIAL INSPECTIONS AND STRUCTURAL OBSERVATIONS. ARRANGEMENTS FOR THESE SITE VISITS ARE TO BE MADE WITH ADEQUATE ADVANCE NOTICE TO ENSURE THAT ALL INSPECTIONS AND OBSERVATIONS ARE PERFORMED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS.

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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Matthew J. Van Hoof

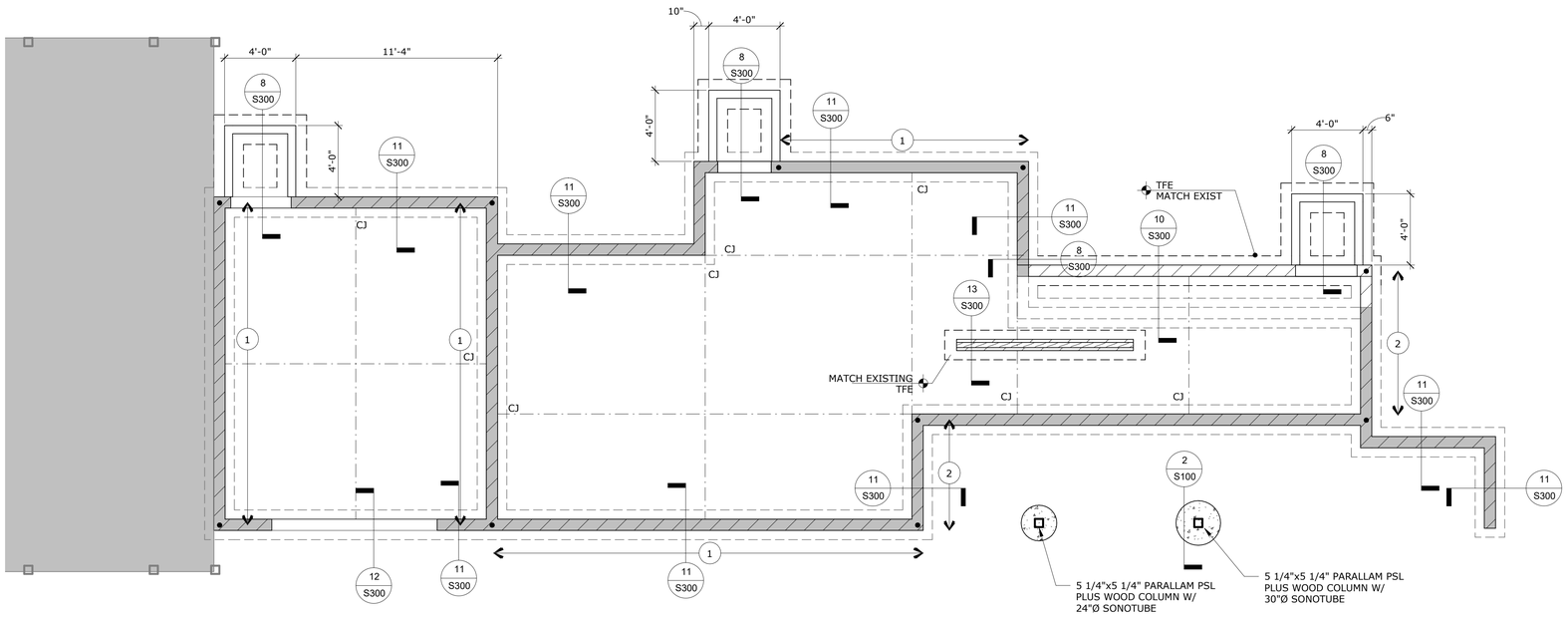
DATE: 01.24.2023 REG. NO.: 41673

GENERAL STRUCTURAL NOTES & SPECIAL INSPECTIONS

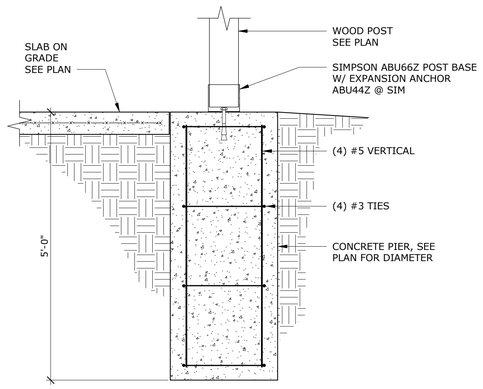
OLD TOWN CONCESSIONS - NEW BUILDING
WILLKOMEN MEMORIOAL PARK
13 SE 1st AVENUE
NORWOOD YOUNG AMERICA, MN 55397

PROJECT:	22196
DRAWN BY:	KX
CHECKED BY:	MJV
DATE:	01/24/2023
REVISIONS:	

S001

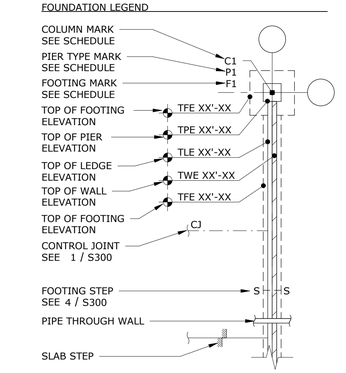


1 FOUNDATION PLAN
1/4" = 1'-0"



2 SECTION @ EXTERIOR COLUMN
3/4" = 1'-0"

FOUNDATION LEGEND



PLAN NOTES

1. SEE 6 / S300 FOR TYPICAL CMU LOW LIFT GROUT DETAIL.
2. SEE 2 / S300 FOR TYPICAL SLAB CONSTRUCTION JOINT DETAIL.
3. SEE 3 / S300 FOR TYPICAL CORNER BAR DETAIL.
4. TOP OF CONCRETE ELEVATION (TCE) = 100'-0" U.N.O.
5. TYPICAL EXTERIOR FOOTING SHALL BE 1'-8"W x 1'-0"D REINFORCED WITH (2) #5 BOTTOM CONTINUOUS (U.N.O.).
6. SLAB ON GRADE TO BE 4" THICK REINFORCED WITH 6x6 - W1.4xW1.4 W.W.F.
7. CONTRACTOR TO VERIFY FOUNDATION ELEVATIONS AND STEP LOCATIONS WITH FINAL GRADES.
8. FIELD VERIFY EXISTING CMU FOUNDATION WALL SIZE & LOCATION.
9. VERIFY NEW WALLS WITH ARCHITECTURAL DRAWINGS.
10. FOOTING ELEVATIONS SHALL BE FREE OF WATER BEFORE PLACING CONCRETE.
11. FLOOR CONSTRUCTION: 4" THICK CONCRETE SLAB ON GRADE w/ 6x6-W1.4xW1.4 W.W.F. CENTERED IN SLAB W/ CHAIRS, PLACE OVER VAPOR BARRIER & 6" GRANULAR BASE. PLACE VAPOR BARRIER AS REQUIRED BY FLOORING MANUFACTURER, SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. FIBER MESH CAN BE USED IN LIEU OF W.W.F.
12. EXTERIOR WALL SHEATHING TO BE 1/2" (32/16) APA RATED PLYWOOD SHEATHING. SEE STRUCTURAL NOTES FOR CONNECTION INFORMATION. SEE SHEAR WALL SCHEDULE & DETAILS FOR SPECIAL REQUIREMENTS.
13. ● INDICATES APPROXIMATE LOCATION OF HOLDOWN ANCHORS. SEE SHEAR WALL SCHEDULE
14. VERIFY STOOP LOCATIONS WITH ARCHITECTURAL DRAWINGS.

SHEAR WALL SCHEDULE

MARK	END STUDS OR POST	SIMPSON HOLDOWN & ANCHOR	BOLT SPACING	EXTERIOR PLYWOOD SHEATHING
1	(2) 2x6	HD3B W/ 5/8"Ø THREADED ROD (10" EMBED)	48" O.C. MAX	1/2" (32/16) APA RATED W/ 0.131"Ø NAILS @ 6" O.C. EDGE & 12" O.C. FIELD
2	(2) 2x6	HD5B W/ 5/8"Ø THREADED ROD (10" EMBED)	24" O.C.	1/2" (32/16) APA RATED W/ 0.131"Ø NAILS @ 4" O.C. EDGE & 12" O.C. FIELD

NOTES:
1. END STUDS SHALL BE FULL HEIGHT.
2. WHERE STUD MUST BE CUT DUE TO THE PLACEMENT OF ANCHOR BOLTS OR OTHER PRODUCTS, AN ADDITIONAL STUD SHALL BE INSERTED ALONG SIDE.
3. ALL SHEAR WALL SHEATHING SHALL BE A.P.A. RATED PLYWOOD SHEATHING, EXPOSURE 1. OSB SHEATHING IS NOT ALLOWED.
4. ALL PANEL EDGES SHALL BE SOLID BLOCKED WITH 2x OR 3x FRAMING MEMBER AS REQUIRED BY CODE.
5. DISTANCE FROM PANEL EDGE TO NAILING SHALL NOT BE LESS THAN 3/8"
6. SHEATHING SHALL BE APPLIED WITH EDGES 1/8" APART AT SIDE JOINTS AND 1/8" APART AT END JOINTS.
7. ALL LUMBER IN DIRECT CONTACT WITH CONCRETE OR MASONRY MUST BE PRESSURE TREATED.
8. SEE DETAIL 12 / S400 FOR HOLDOWN DETAIL.
9. SEE DETAIL 1 / S400 FOR TYPICAL SHEARWALL ELEVATION.
10. EPOXY TO BE SIMSPON SET EPOXY OR EQUIVALENT.

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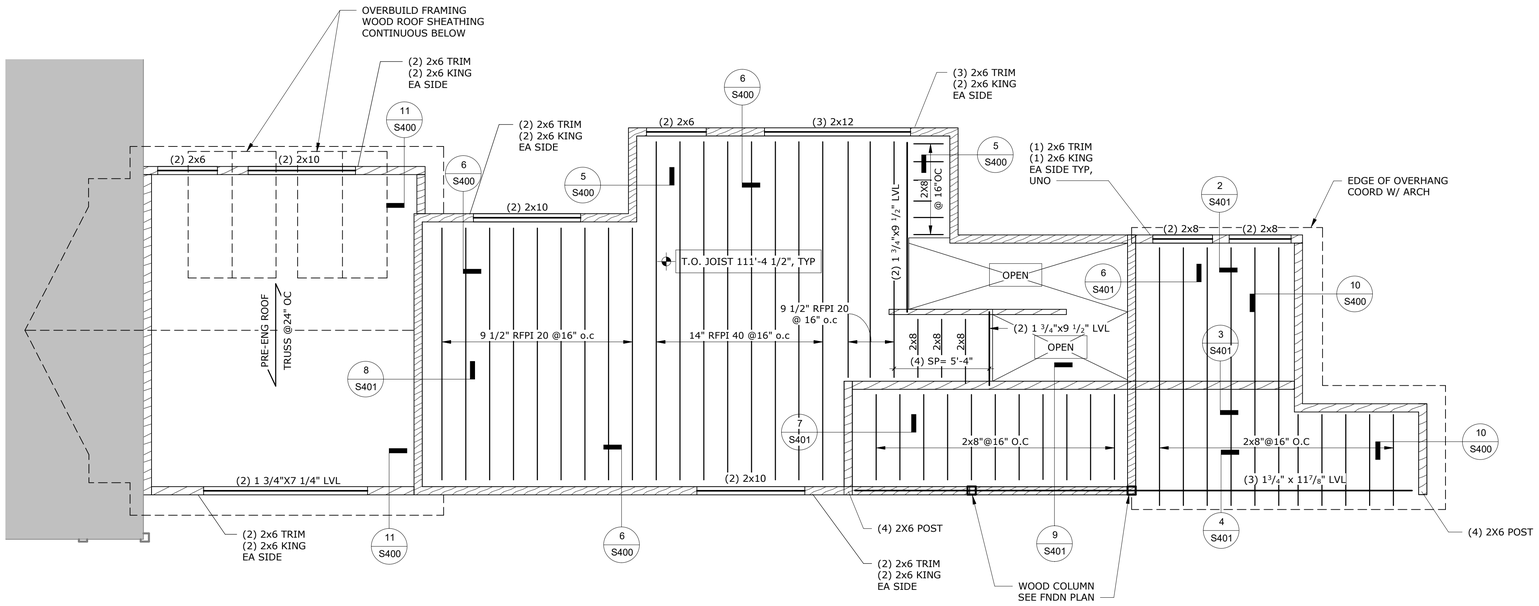
Matthew J. Van Hoof
DATE: 01.24.2023 REG. NO.: 41673

FOUNDATION PLAN

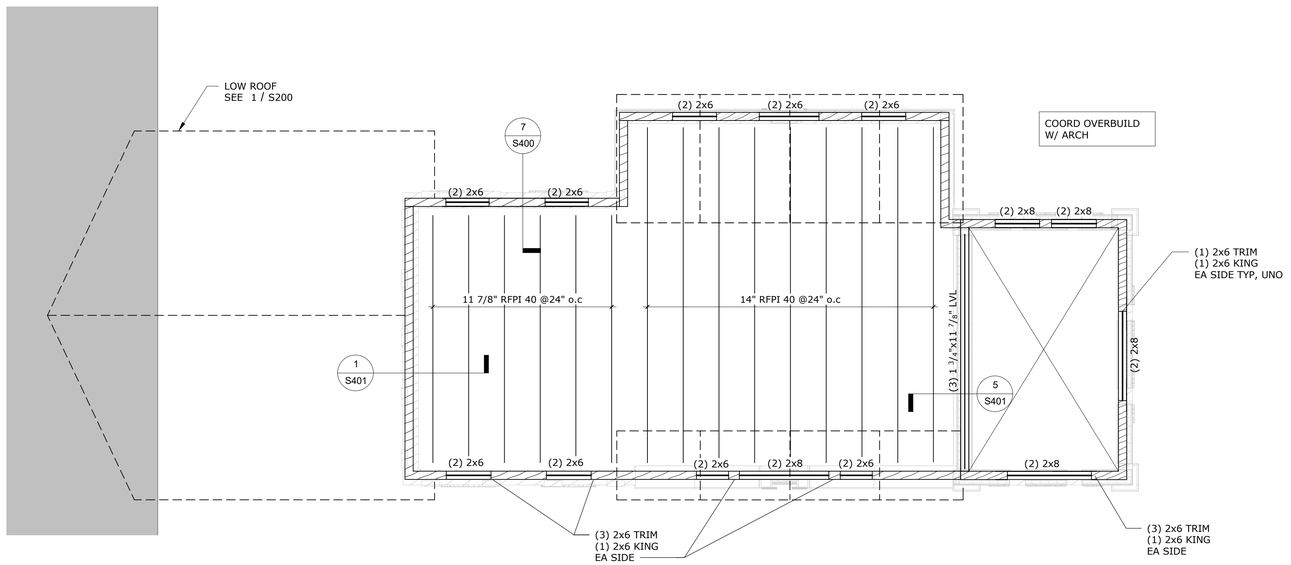
OLD TOWN CONCESSIONS - NEW BUILDING
WILLKOMEN MEMORIOAL PARK
13 SE 1st AVENUE
NORWOOD YOUNG AMERICA, MN 55397

PROJECT:	22196
DRAWN BY:	KX
CHECKED BY:	MJV
DATE:	01/24/2023
REVISIONS:	

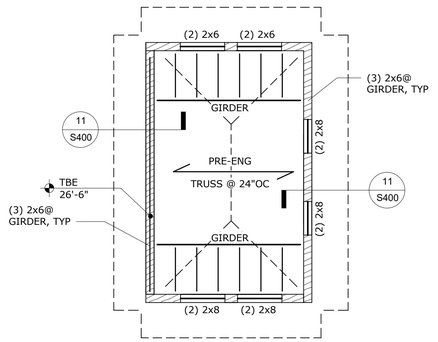
S100



1 2ND LEVEL FRAMING PLAN
1/4" = 1'-0"

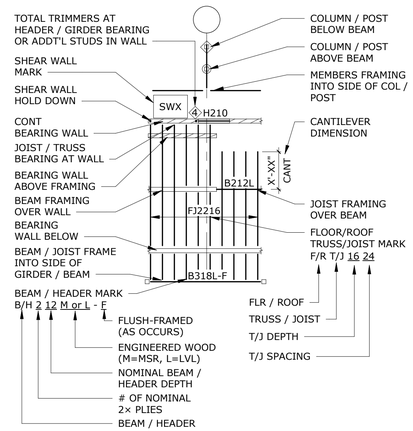


2 ROOF FRAMING PLAN
1/4" = 1'-0"



3 HIGH ROOF FRAMING PLAN
1/4" = 1'-0"

WOOD FRAMING LEGEND



PLAN NOTES:

1. FLOOR CONSTRUCTION SHALL CONSIST OF AN UNBLOCKED DIAPHRAGM WITH 23/32" (48/24) APA RATED WOOD SHEATHING UNO. SEE THE STRUCTURAL NOTES ON SHEET S001 FOR CONNECTIONS INFORMATION.
2. THE FLOOR SHEATHING SHALL BE ORIENTED WITH THE LONG DIRECTION OF THE PANEL PERPENDICULAR TO THE TRUSSES IN PIECES NOT SMALLER THAN 24"×24". SEE 2 / S400 FOR TYPICAL SHEATHING PLAN.
3. ⟷ ON PLAN INDICATES FLOOR FRAMING SPAN DIRECTION.
4. THE TRUSS MANUFACTURER SHALL DESIGN THE FLOOR TRUSSES AND COMPONENTS TO SUPPORT THE LOADING INDICATED IN THE STRUCTURAL NOTES ON SHEET S001 IN ADDITION TO ANY LOADS INDICATED ON PLAN.
5. TYPICAL WALL CONSTRUCTION SHALL CONSIST OF 2×6 STUDS @ 16"OC UNO.
6. TYPICAL JAMB AT WALL OPENINGS SHALL CONSIST OF (2) 2× TRIMMER STUDS & (1) 2× KING STUD, UNO. SEE PLAN AND LEGEND THIS SHEET.
7. JAMB & BEARING STUDS SHALL BE THE SAME WIDTH AS TYPICAL WALL CONSTRUCTION UNO ON PLAN.
8. SEE 4 / S400 FOR TYPICAL WALL ELEVATION & 1 / S400 FOR SHEAR WALL ELEVATION.
9. SEE ARCHITECTURAL DRAWINGS FOR THE SIZE AND LOCATION OF ALL WALL OPEININGS.
10. ALL WOOD POSTS & TRIMMERS TO BE CONTINUOUS TO STRUCTURAL SUPPORT OR FOUNDATION BELOW.
11. COORDINATE ALL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
12. SEE 3 / S400 FOR TYPICAL NON-LOAD BEARING WALL BRACING 1 / S400 DETAILS.
13. ROOF CONSTRUCTION SHALL CONSIST OF AN UNBLOCKED DIAPHRAGM WITH 19/32" (40/20) APA RATED RATED WOOD SHEATHING U.N.O. SEE STRUCTURAL NOTES ON S00 FOR CONNECTION INFORMATION.
14. THE ROOF SHEATHING SHALL BE ORIENTATED WITH THE LONG DIRECTION OF THE PLYWOOD PERPENDICULAR TO THE ROOF TRUSSES.
15. THE ROOF SHEATHING SHALL NOT BE CUT IN PIECES SMALLER THAN 48"x24".

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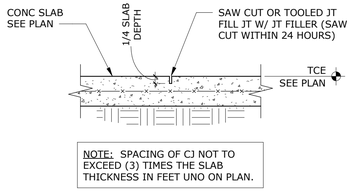
Matthew J. Van Hoof
DATE: 01.24.2023 REG. NO.: 41673

OLD TOWN CONCESSIONS - NEW BUILDING
WILLKOMEN MEMORIOAL PARK
13 SE 1st AVENUE
NORWOOD YOUNG AMERICA, MN 55397

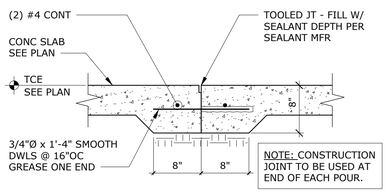
FRAMING PLANS

PROJECT:	22196
DRAWN BY:	KX
CHECKED BY:	MJV
DATE:	01/24/2023
REVISIONS:	

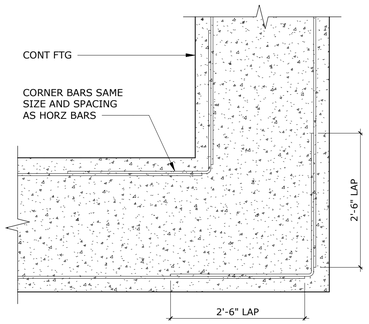
S200



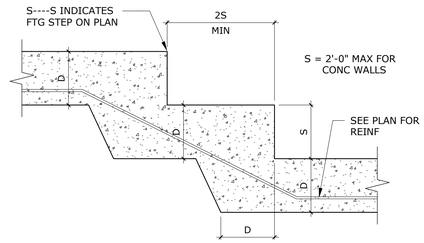
1 TYPICAL CONTROL JOINT
1" = 1'-0"



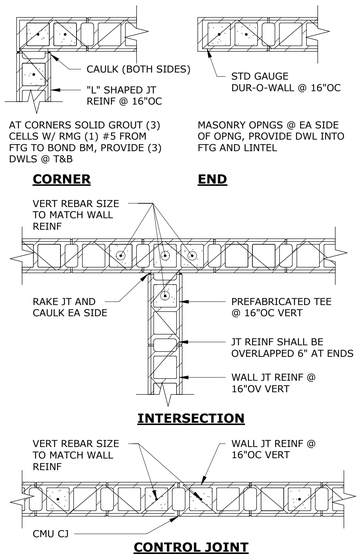
2 TYPICAL CONSTRUCTION JOINT
1" = 1'-0"



3 CORNER REINFORCING
3/4" = 1'-0"

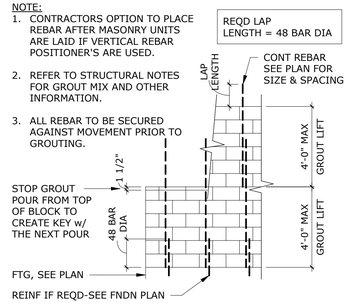


4 TYPICAL STEPPED FOOTINGS
3/4" = 1'-0"

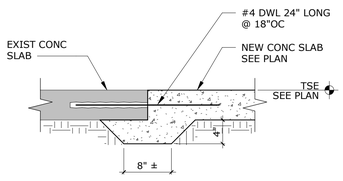


5 MASONRY FILLED CELL DETAILS
3/4" = 1'-0"

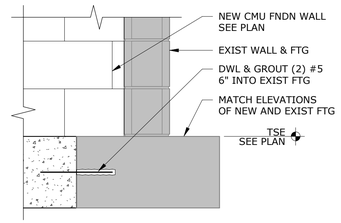
NOTE:
1. CONTRACTORS OPTION TO PLACE REBAR AFTER MASONRY UNITS ARE LAID IF VERTICAL REBAR POSITIONER'S ARE USED.
2. REFER TO STRUCTURAL NOTES FOR GROUT MIX AND OTHER INFORMATION.
3. ALL REBAR TO BE SECURED AGAINST MOVEMENT PRIOR TO GROUTING.



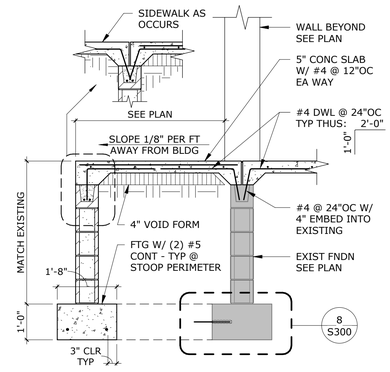
6 LOW LIFT GROUT DETAIL
3/8" = 1'-0"



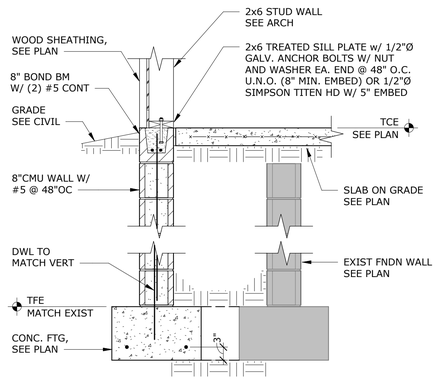
7 EXISTING TO NEW SLAB CONNECTION
1" = 1'-0"



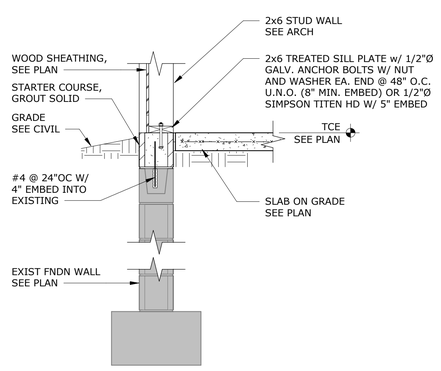
8 SECTION @ EXISTING FOOTING
1" = 1'-0"



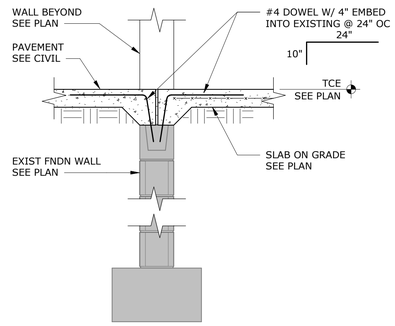
9 SECTION @ STOOP
1/2" = 1'-0"



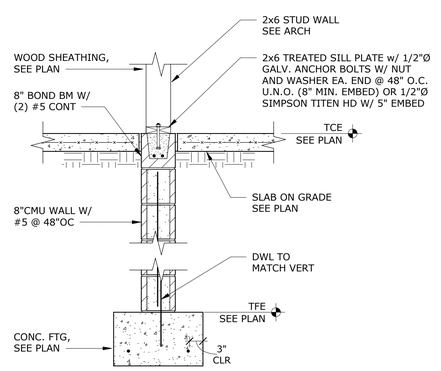
10 WALL SECTION @ NEW
3/4" = 1'-0"



11 WALL SECTION
3/4" = 1'-0"



12 SECTION @ OPENING
3/4" = 1'-0"



13 INTERIOR WALL
3/4" = 1'-0"

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Matthew J. Van Hoof

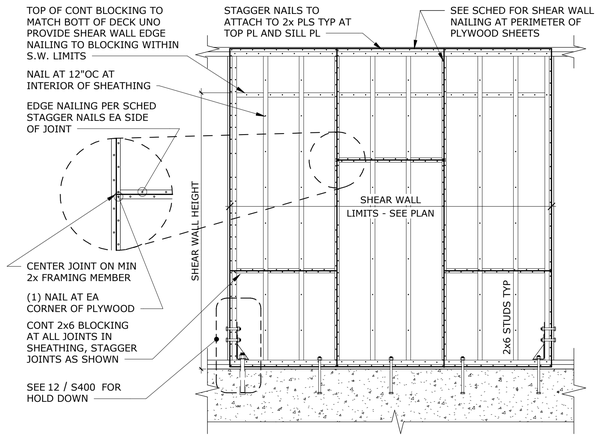
DATE: 01.24.2023 REG. NO. 41673

FOUNDATION DETAILS

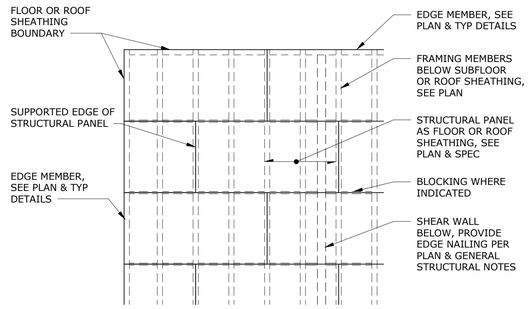
OLD TOWN CONCESSIONS - NEW BUILDING
WILLKOMEN MEMORIOAL PARK
13 SE 1st AVENUE
NORWOOD YOUNG AMERICA, MN 55397

PROJECT:	22196
DRAWN BY:	KX
CHECKED BY:	MJV
DATE:	01/24/2023
REVISIONS:	

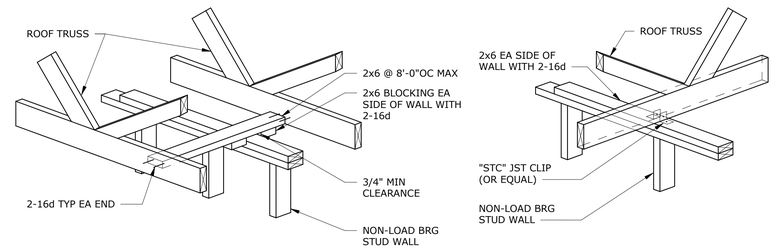
S300



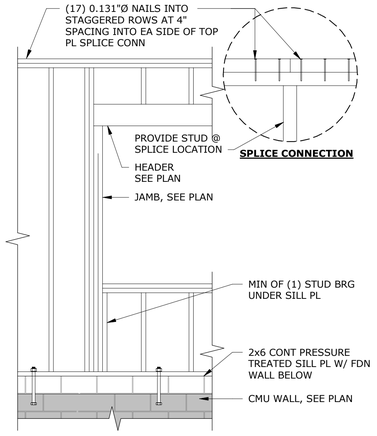
1 TYPICAL SHEAR WALL ELEVATION
3/4" = 1'-0"



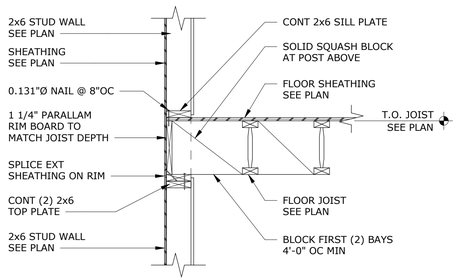
2 TYP WD FLOOR & ROOF SHEATHING PLAN
1/4" = 1'-0"



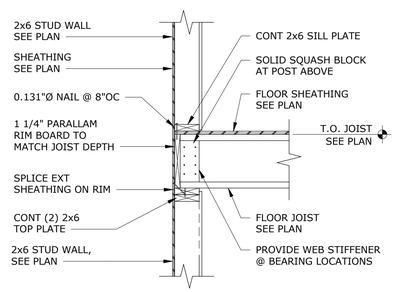
3 NON-LOAD BEARING WALL BRACING
3/4" = 1'-0"



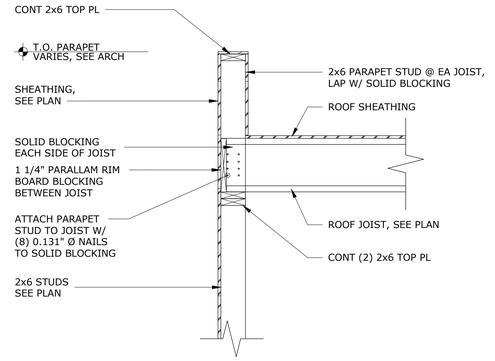
4 TYPICAL WALL ELEVATION
1/2" = 1'-0"



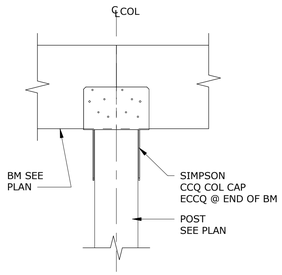
5 FLOOR JOIST SIDE LAP DETAIL
3/4" = 1'-0"



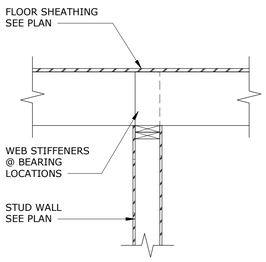
6 FLOOR JOIST BEARING DETAIL
3/4" = 1'-0"



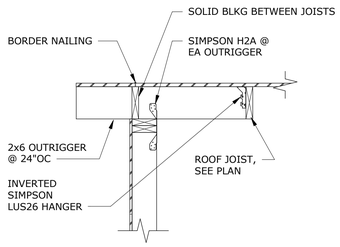
7 FLAT ROOF TRUSS BEARING
3/4" = 1'-0"



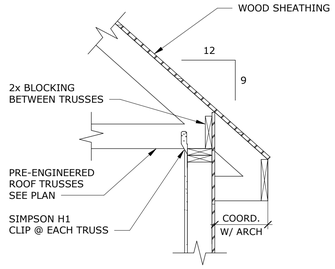
8 WOOD COLUMN CAP DETAIL
1" = 1'-0"



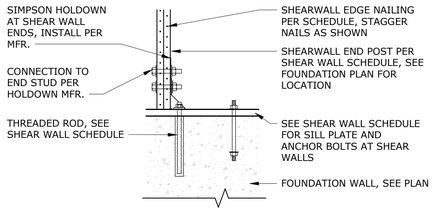
9 INTERIOR BEARING DETAIL
3/4" = 1'-0"



10 ROOF SIDE WALL CONNECTION
3/4" = 1'-0"



11 ROOF TRUSS BEARING DETAIL
3/4" = 1'-0"



12 HOLD DOWN DETAIL
3/4" = 1'-0"

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DATE: 01.24.2023 REG. NO.: 41673

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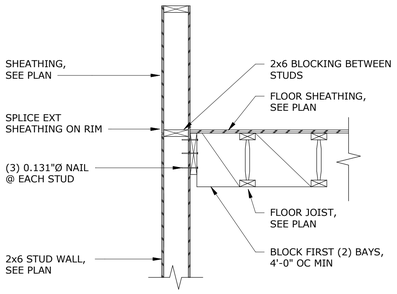
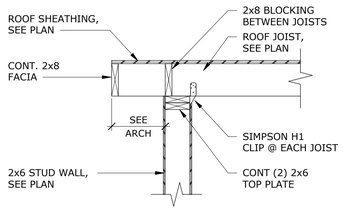
CHECKED BY:	MJV
DATE:	01/24/2023
REVISIONS:	

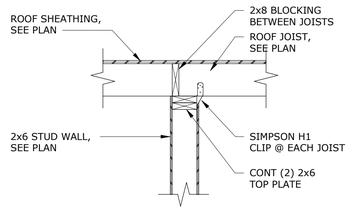
S400



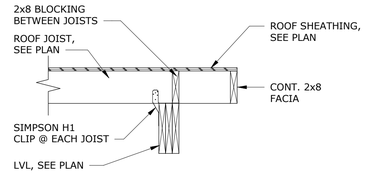
1 ROOF JOIST SIDE LAP DETAIL
3/4" = 1'-0"



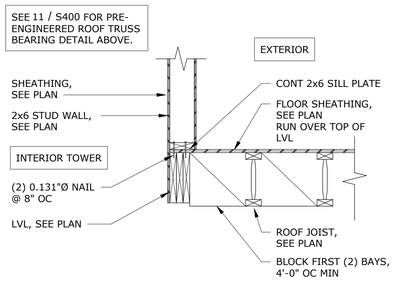
2 ROOF JOIST SIDE LAP DETAIL
3/4" = 1'-0"



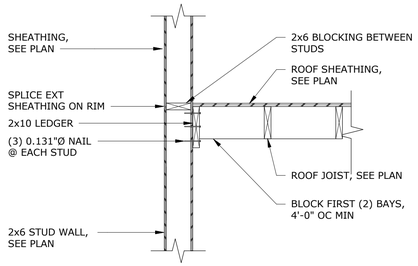
3 ROOF JOIST SIDE LAP DETAIL
3/4" = 1'-0"



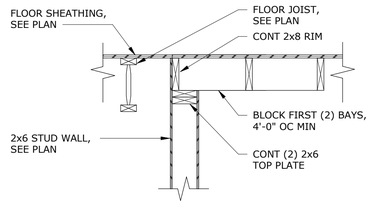
4 ROOF JOIST SIDE LAP DETAIL
3/4" = 1'-0"



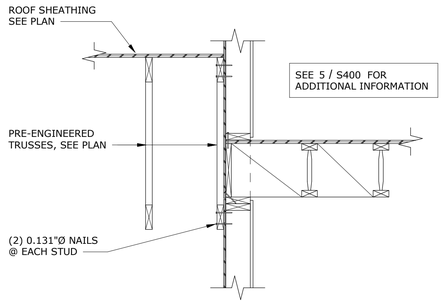
5 ROOF JOIST SIDE LAP DETAIL
3/4" = 1'-0"



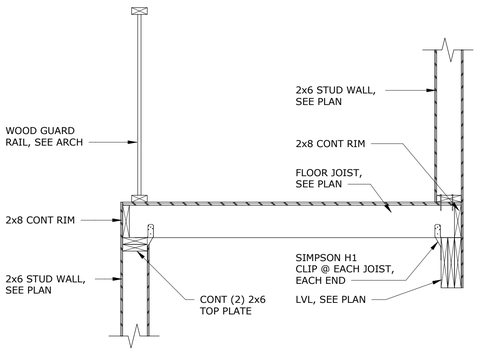
6 ROOF JOIST SIDE LAP DETAIL
3/4" = 1'-0"



7 ROOF JOIST SIDE LAP DETAIL
3/4" = 1'-0"



8 ROOF JOIST SIDE LAP DETAIL
3/4" = 1'-0"



9 ROOF JOIST SIDE LAP DETAIL
3/4" = 1'-0"

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