J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

BID DOCUMENTS

08/08/2024

PROJECT DIRECTORY

ARCHITECT
GRACE HEBERT CURTIS ARCHITECTS
3100 RYAN STREET, SUITE C
LAKE CHARLES, LA 70601

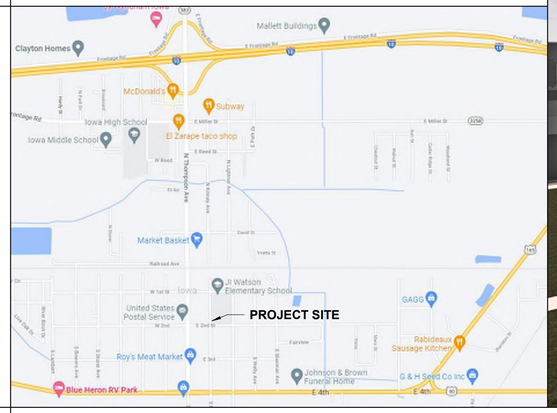
STRUCTURAL/CIVIL ENGINEER
FOX-NESBIT ENGINEERING
9100 BLUEBONNET CENTRE BLVD., STE. 301
BATON ROUGE, LA 70809

MECHANICAL ENGINEER
THOMPSON, LUKE, & ASSOCIATES
3071 TEDDY DRIVE
BATON ROUGE, LA 70809

ELECTRICAL ENGINEER
PARISH ENGINEERING, LLC
7600 INNOVATION PARK DR.
BATON ROUGE, LA 70820

ENVIRONMENTAL CONSULTANT
WYNN L. WHITE CONSULTING ENGINEERS
17485 OPPORTUNITY AVE, SUITE C
BATON ROUGE, LA 70817

VICINITY MAP



PROJECT DESCRIPTION

THE J.I. WATSON HISTORICAL BUILDING REPAIR PROJECT IS INTENDED TO REPAIR DAMAGE TO A HISTORIC PROPERTY PER SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT CAUSED BY HURRICANES LAURA AND DELTA. **ALL REPAIR WORK IS TO BE IMPLEMENTED IN A MANNER CONSISTENT WITH THE SOI STANDARDS. IF UNABLE TO REPAIR EXISTING CHARACTER DEFINING FEATURES USING MEANS AND METHODS SIMILAR TO THEIR ORIGINAL INSTALLATION, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT AND THE OWNERS REPRESENTATIVE FOR APPROVAL PRIOR TO COMPLETING THE WORK.**

THE J.I. WATSON HISTORICAL BUILDING HURRICANE REPAIRS PROJECT CONSISTS OF RENOVATION AND REPAIRS OF HURRICANE DAMAGE RESULTING FROM HURRICANE LAURA AND HURRICANE DELTA. THE EXISTING BUILDING IS A TWO STORY BRICK BUILDING WITH AN APPROXIMATE TOTAL AREA OF 21,872 SF.

SELECTIVE DEMOLITION SCOPE:
- REMOVAL OF THE EXISTING ROOFING SYSTEM
- REMOVAL OF EXTERIOR METAL STAIRS AND INTERIOR WOOD STAIRS AT LOCATIONS NOTED
- REMOVAL OF INTERIOR FINISHES AT LOCATIONS NOTED
- REMOVAL OF STRUCTURAL WOOD FLOOR FRAMING AT LOCATIONS NOTED
- REMOVAL OF MECHANICAL AND ELECTRICAL SYSTEMS AT LOCATIONS NOTED

NEW CONSTRUCTION SCOPE:
- INSTALLATION OF NEW ROOFING SYSTEM AND ROOFING ACCESSORIES
- INSTALLATION OF NEW PLATFORM LIFTS
- INSTALLATION OF NEW FLOOR AND CEILING FINISHES
- INSTALLATION OF NEW EXTERIOR METAL STAIRS
- PAINTING OF WALLS, CEILINGS, DOORS, AND TRIM
- REPAIR AND CLEANING OF EXTERIOR BRICK
- REPAIR AND REPLACEMENT OF WINDOWS
- INSTALLATION OF NEW MECHANICAL AND ELECTRICAL SYSTEMS
- INSTALLATION OF NEW FIRE ALARM SYSTEM

CODE INFORMATION

BUILDING TYPE :	IIIB (IBC 2021) III(200) (NFPA 2015)
OCCUPANCY:	EDUCATIONAL - GROUP E (IBC 2021) EDUCATIONAL - GROUP E (NFPA 2015)
BUILDING CODE:	2021 INTERNATIONAL BUILDING CODE
FIRE/LIFE SAFETY CODE:	2015 NFPA LIFE SAFETY CODE
MECHANICAL CODE:	2021 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE:	2020 NATIONAL ELECTRICAL CODE
PLUMBING CODE:	2021 INTERNATIONAL PLUMBING CODE W/ LOUISIANA AMENDMENTS
ACCESSIBILITY CODE:	2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
FEMA CODE:	FEMA CONSENSUS BASE CODES - FP-104-009-11, VERSION 2.1
HISTORICAL:	THE SECRETARY OF THE INTERIOR'S STANDARDS FOR REHABILITATION (INDIVIDUALLY LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES)

DRAWING INDEX

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

GERALD DAVID HEBERT II REG. No. 4118 STATE OF LOUISIANA REGISTERED ARCHITECT

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/23/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

COVER SHEET

sheet number

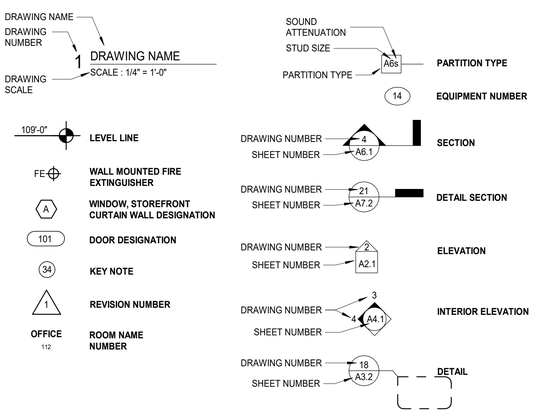
G001

8/26/2024 8:32:39 AM

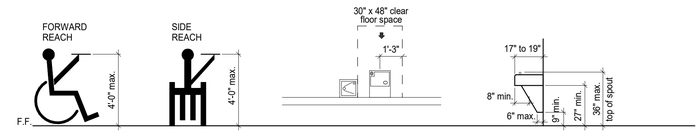
ABBREVIATIONS

ACT	Acoustical Ceiling Tile
ADAAG	Americans with Disabilities Act Accessibility Guidlines
ADJ	Adjustable
AFF	Above Finished Floor
ALT	Alternate
ALUM	Aluminum
APPROX	Approximate
ARCH	Architect
BD	Board
BLDG	Building
CLG	Ceiling
CLO	Closet
CLR	Cear
CO	Clean Out
COL	Column
CONC	Concrete
CONT	Continous
CPT	Carpet
CT	Ceramic Tile
CTR	Center
DBL	Double
DET	Detail
DIA	Diameter
DIM	Dimension
DN	Down
DR	Door
DS	Down Spout
DW	Dishwasher
DWG	Drawing
E	East
EA	Each
EHD	Electric Hand Dryer
EIFS	Exterior Insulation Finish System
EJ	Expansion Joint
ELEC	Electric(al)
ELEV	Elevation
EMER	Emergency
EQ	Equal
EQUIP	Equipment
EW	Each Way
EWC	Electric Water Cooler
EXP, JT.	Expansion Joint
EXST	Existing
EXT	Exterior
FA	Fire Alarm
FAP	Fire Annunciuator Panel
FD	Floor Drain
FE	Fire Extinguisher
FEC	Fire Extinguisher Cabinet
FF	Finish Floor
FH	Fire Hydrant
FHC	Fire Hose Cabinet
FIN	Finish
FIXT	Fixture
FLR	Floor
FLUOR	Fluorescent
FT	Foot or Feet
GAL	Gallon
GALV	Galvanized
GB	Grab Bar
GC	General Contractor
GL	Glass
GWB	Gypsum Wall Board
GYP	Gypsum
HDWD	Hardwood
HDWR	Hardware
HM	Hollow Metal
HORIZ	Horizontal
HR	Hand Rail
HT	Height
INSUL	Insulation
INT	Interior
JAN	Janitor
JT	Joint
LAM	Laminate
LAV	Lavatory
LDG	Landing
LT	Light
MAX	Maximun
MECH	Mechanical
MEMB	Membrane
MFR	manufacturer
MIN	Minimum
MISC	Miscellaneous
MTD	Mounted
MTL	metal
N	North
NIC	Not In Contract
NO	Number
NTS	Not To Scale
OC	On Center
OFF	Office
OH	Opposite Hand
OPP	Opposite
P-LAM	Plastic Laminate
PLAS	Plaster
PLYWD	Plywood
PR	Pair
PT	Paint
RCP	Reflected Ceiling Plan
RE	Refer
REF	Refrigerator
REQD	Required
RM	Room
RO	Rough Opening
S	South
SC	Scupper
SF	Square Foot
SHT	Sheet
SIM	Similar
STRUCT	Structural
T	Tread
T&G	Tongue & Groove
TO	Top Of
TOS	Top Of Steel
TYP	Typical
UNO	Unless Noted Otherwise
VCT	Vinyl Compostion Ttile
VIF	Verify In Field
VOJ	Verify On Job
W	West
W.H.	Water Heater
w/	With
w/o	Without
WC	Watercloset
WD	Wood
WIN	Window
WP	Waterproof

SYMBOLS



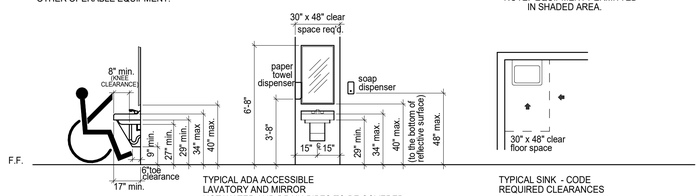
MOUNTING HEIGHTS



HIGHEST OPERABLE PART OF ALL CONTROLS, TELEPHONES, DISPENSERS, ALARMS, AND ALL OTHER OPERABLE EQUIPMENT.

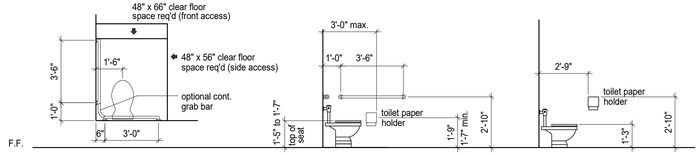
ACCESSIBLE BI-LEVEL WATER COOLER CODE REQUIRED CLEARANCES

DRINKING FOUNTAINS AND WATER COOLERS
NOTE: EQUIPMENT PERMITTED IN SHADED AREA.



TYPICAL ADA ACCESSIBLE LAVATORY AND MIRROR
HOT WATER AND DRAIN PIPES TO BE COVERED OR INSULATED TO PROTECT AGAINST CONTACT.

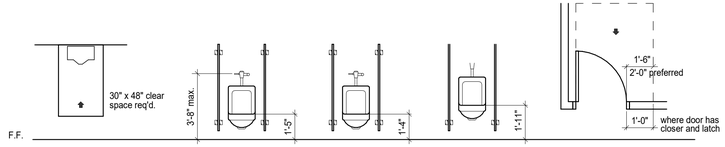
TYPICAL SINK - CODE REQUIRED CLEARANCES



TYPICAL ACCESSIBLE TOILET - CODE REQ'D CLEARANCE

TYPICAL PATIENT HANDICAPPED ACCESSIBLE TOILET

TYPICAL TOILET



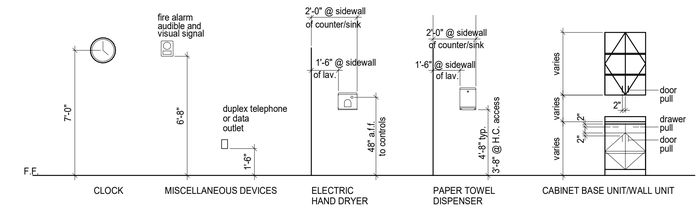
ACCESSIBLE URINAL - CODE REQUIRED CLEARANCES

ADA URINAL MOUNTING HT.

TYP. STANDARD CHILD'S URINAL MOUNTING HT.

TYP. STANDARD ADULT URINAL MOUNTING HT.

BASIC DOOR APPROACH - CODE REQUIRED CLEARANCES



CLOCK

MISCELLANEOUS DEVICES

ELECTRIC HAND DRYER

PAPER TOWEL DISPENSER

CABINET BASE UNIT/WALL UNIT

GENERAL NOTES

1. DIMENSIONS ARE TYPICAL, UNLESS NOTED OTHERWISE ON PLANS. THE DIMENSIONS DO NOT NECESSARILY SHOW ALL THE DEVICES THAT ARE LOCATED ON THE WALLS.
2. PROVIDE SOLID BLOCKING BEHIND ALL WALL MOUNTED EQUIPMENT.
3. SE PLANS FOR ALL ADDITIONAL TOILET ACCESSORIES AND ACTUAL ROOM DIMENSIONS.
4. NOT ALL DEVICES ARE APPLICABLE TO THIS PROJECT.

GENERAL DEMOLITION NOTES

1. JOBSITE SAFETY IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
2. PRIOR TO THE INITIATION OF THE DEMOLITION WORK THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS, INCLUDING EXISTING UTILITIES WITHIN THE LIMITS OF DEMOLITION WORK.
3. DURING THE COURSE OF THE DEMOLITION WORK ITEMS UNCOVERED THAT VARY FROM WHAT IS SHOWN IN THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT.
4. IF NOT SHOWN IN THE DRAWINGS THE CONTRACTOR SHALL REMOVE ALL EXISTING MATERIALS AS NECESSARY TO COMPLETELY INSTALL ALL NEW WORK AS REQUIRED BY OTHER PARTS OF THE CONTRACT DOCUMENTS.
5. CONTRACTOR TO COORDINATE DEMOLITION WORK, AS SHOWN HEREIN WITH THE DEMOLITION WORK SHOWN ON ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS.
6. CONTRACTOR TO PROTECT EXISTING CONSTRUCTION TO REMAIN THROUGHOUT DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL REPLACE, IN KIND, EXISTING BUILDING COMPONENTS AND MATERIALS DAMAGED DURING CONSTRUCTION.
7. WHERE EXISTING CONSTRUCTION TO REMAIN INTERSECTS WITH CONSTRUCTION TO BE REMOVED, CARRY OUT THE DEMOLITION IN SUCH A MANNER THAT THE EXISTING CONSTRUCTION WILL BE PROTECTED AND WILL READILY RECEIVE NEW FINISHES. PATCH WALLS TO MATCH EXISTING WALL/PARTITION. SHIM AS NECESSARY TO ALIGN FINISH WALL SURFACE WITH EXISTING.
8. SALVAGE RIGHTS TO ALL ITEMS TO BE REMOVED SHALL FIRST BE GIVEN TO THE OWNER. PRIOR TO INITIATION OF THE DEMOLITION WORK, THE CONTRACTOR SHALL COORDINATE WITH OWNER AS TO ANY ITEMS THE OWNER HAD IDENTIFIED FOR SALVAGE AND DELIVER TO LOCATIONS ON THE PREMISES AS DIRECTED. ALL REMOVED MATERIALS NOT SALVAGED SHALL BE PROMPTLY REMOVED AND DISPOSED OF IN A LEGAL MANNER.
9. FIRE ALARM SYSTEM MUST REMAIN ACTIVE DURING CONSTRUCTION. PROTECT AND PRESERVE ALL EXIT SIGNS IN AREAS TO REMAIN AND ENSURE EXIT SIGNS REMAIN OPERATIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.
10. LOCATIONS OF TEMPORARY CONSTRUCTION BARRIERS/DUST PARTITIONS TO BE COORDINATED WITH THE OWNER.
11. SEQUENCING OF THE DEMOLITION TO BE COORDINATED WITH THE OWNER AND OTHER CONTRACTORS, IF ANY.
12. UNLESS OTHERWISE NOTED, PARTITIONS TO BE REMOVED FROM FLOOR SLAB TO UNDERSIDE OF STRUCTURE OR TOP RUNNER AS APPLICABLE.
13. THE PORTIONS OF THE FACILITY SURROUNDING THE WORK AREA WILL BE OCCUPIED AND REMAIN IN OPERATION DURING THE COURSE OF THE WORK. IN ORDER NOT TO INTERFERE WITH THE ORDERLY OPERATION OF THE FACILITY THE CONTRACTOR SHALL:

A. COORDINATE ANY UTILITY SHUTDOWNS OR INTERRUPTIONS WITH THE OWNER DURING DEMOLITION AND OTHER PHASES OF THE WORK. SHOW PLANNED UTILITY INTERRUPTION ON THE CONSTRUCTION SCHEDULE AND PROVIDE 4 DAYS NOTICE TO THE OWNER BEFORE ANY UTILITY SHUTDOWNS OR INTERRUPTIONS.

B. AT THE INITIATION OF THE WORK AND THROUGH THE COURSE OF THE WORK, THE CONTRACTOR SHALL PROVIDE AN AIR TIGHT, SECURE PHYSICAL SEPARATION BETWEEN THE WORK AREA AND THE OTHER AREAS OF THE FACILITY AS SHOWN ON THE DRAWINGS OR NOTED HEREIN TO KEEP DUST, OBJECTIONABLE ODORS AND NOISE FROM THE OPERATING PORTIONS OF THE FACILITY.

C. NEVER STORE OR STAGE CONSTRUCTION MATERIALS IN AREAS OUTSIDE OF THE WORK AREA UNLESS APPROVED BY OWNER.

D. REMOVE ALL CONSTRUCTION DEBRIS AND TRASH DAILY. PROVIDE SEALED COVERINGS FOR ALL BINS OR BARROWS USED TO REMOVE DEBRIS, MATERIALS AND TRASH ALONG THE HAULING ROUTE.

14. PROVIDE TEMPORARY DUST MATS AND CLEAN THEM WEEKLY.
15. REMOVAL OF FIXTURES AND EQUIPMENT IS NOT LIMITED TO WHAT IS SHOWN ON DRAWINGS. IT IS INDICATED FOR GENERAL CONTRACTOR'S INFORMATION ONLY. VERIFY ON JOB FOR EXACT TYPE, LOCATION AND NUMBER OF ITEMS TO BE REMOVED TO MEET REQUIREMENTS OF PLANS AND SPECIFICATIONS PRIOR TO BID.
16. CONTRACTOR IS TO COORDINATE WITH OWNER UTILITY DEPARTMENTS TO LOCATE UTILITIES BEFORE DEMOLITION WORK IS COMMENCED.
17. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD BEFORE STARTING CONSTRUCTION.
18. REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION PLANS FOR SPECIFICS OF REMOVAL OF PLUMBING, MECHANICAL AND ELECTRICAL ITEMS AND EQUIPMENT.
19. CONTRACTOR SHALL MAINTAIN EXISTING DRIVES AND SERVICE ROAD SERVING THE PREMISES CLEAR AND AVAILABLE AT ALL TIMES. THE ARCHITECT WILL DESIGNATE AREA TO BE USED FOR PARKING AND STORAGE OF MATERIALS ON SITE.
20. THE CONTRACTOR SHALL LIMIT HIS USE OF THE PREMISES TO THE WORK INDICATED ON THE CONSTRUCTION DOCUMENTS. ALL AUTOMOTIVE TYPE VEHICLES AND OTHER MECHANIZED OR MOTORIZED CONSTRUCTION EQUIPMENT SHALL BE LOCKED. DO NOT LEAVE ANY VEHICLE OR EQUIPMENT UNATTENDED WITH THE MOTOR RUNNING OR KEY IN IGNITION.
21. CONTRACTOR SHALL VERIFY THAT ALL UTILITIES AND SERVICES IN AREA TO BE DEMOLISHED HAVE BEEN PROPERLY TURNED OFF AND DISCONNECTED BEFORE STARTING DEMOLITION. THE CONTRACTOR SHALL MAINTAIN SERVICE TO EXISTING FACILITY AND CAMPUS.
22. REMOVE ALL DEMOLISHED MATERIAL FROM THE SITE AS QUICKLY AS PRACTICAL IN AN ORGANIZED AND NEAT MANNER NOT TO INTERFERE WITH BUILDING FUNCTIONS. THE CONTRACTOR WILL NOT BE ALLOWED TO BURN DEMOLISHED MATERIALS ON SITE.
23. NOTIFY ARCHITECT OF ANY APPARENT DAMAGE OR WEAKNESS OF EXISTING STRUCTURE.
24. TEMPORARY SHORING AS REQUIRED DURING DEMOLITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
25. CONTRACTOR TO PROTECT ALL EXISTING DUCTWORK TO REMAIN FROM DAMAGE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION.
26. ANY EXISTING FIREPROOFING OR FIRE ASSEMBLIES SCHEDULED TO REMAIN THAT ARE DAMAGED DURING DEMOLITION SHALL BE REPAIRED TO CONFORM TO THE ORIGINAL FIRE PROTECTION REQUIREMENTS. CONTACT THE ARCHITECT VERIFY U.L. ASSEMBLIES TO BE USED FOR REPAIRS.
27. CONTRACTOR TO DOCUMENT THE EXISTING CONDITION AND LOCATION OF MATERIALS INTENDED TO BE SALVAGED PRIOR TO REMOVAL.
28. CONTRACTOR TO REPAIR AND PREPARE ALL EXISTING CONCRETE AND WOOD FLOORING SUBSURFACES TO ACCOMMODATE NEW FLOOR FINISH PER MANUFACTURE'S WRITTEN INSTRUCTIONS.
29. CONTRACTOR TO DEMOLISH AND REMOVE ALL FRP.

NOTE: NOT ALL SELECTIVE DEMOLITION IS IDENTIFIED ON ARCHITECTURAL DRAWINGS. CONTRACTOR IS TO COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS TO VERIFY EXTENTS OF DEMOLITION REQUIRED TO ACCOMMODATE COMPLETE INSTALLATION OF MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FULLY CONDUCT THIS COORDINATION PRIOR TO BID.

GENERAL CONSTRUCTION NOTES

1. ALL DO NOT SCALE DRAWINGS. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. VERIFY PRIOR TO BID. NOTIFY THE ARCHITECT IMMEDIATELY WITH ANY AND ALL CONFLICTS FOR RESOLUTION. ARE TO FACE OF STUD FOR NEW CONSTRUCTION, OR FACE OF EXISTING FINISH FOR EXISTING CONSTRUCTION, UNLESS NOTED OTHERWISE.
2. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE COMPLEMENTARY. SPECIFIC INFORMATION MAY BE FOUND IN EITHER OR BOTH.
3. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION.
4. CONTRACTOR TO VISIT THE SITE DURING BIDDING PRIOR AND BECOME FAMILIAR WITH ALL ASPECTS OF THE WORK. FAILURE TO INSPECT THE SITE OR FULLY ACQUAINT HIMSELF WITH THE PLANS AND SPECIFICATIONS PRIOR TO BIDDING WILL NOT RELIEVE THE CONTRACTOR OF PERFORMANCE OF ANY OF THE WORK REQUIRED BY EXISTING CONDITIONS OR THE INTENT OF THE CONTRACT DOCUMENTS. BID SUBMITTAL SHALL REFLECT THE FULL SCOPE OF WORK.
5. LAYOUT OF WORK:
   A. EXERCISE PROPER PRECAUTION TO VERIFY ALL EXISTING CONDITIONS AND LAYOUT OF THE WORK. CONTRACTOR TO NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.
   B. CONTRACTOR IS RESPONSIBLE FOR ANY ERROR RESULTING FROM FAILURE TO EXERCISE SUCH PRECAUTION. SUCH ERROR WILL NOT BE CONSIDERED SUBSEQUENTLY AS A BASIS FOR EXTRA COMPENSATION.
   C. G.C. TO LAYOUT WORK AND BE RESPONSIBLE FOR ALL LINES, MEASUREMENTS OF THE BUILDING AND OTHER WORK EXECUTED UNDER CONTRACT.
   D. SHOULD A CONTRACTOR FIND DISCREPANCIES IN, OR OMISSIONS FROM THE DRAWINGS FOR SPECIFICATIONS OR SHOULD HE BE IN DOUBT AS TO THEIR MEANING, HE SHOULD NOTIFY THE ARCHITECT AT ONCE.
6. INSTALL MANUFACTURED ITEMS, MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS, EXCEPT THE SPECIFICATIONS HEREIN, WHERE MORE STRINGENT, SHALL BE COMPLIED WITH.
7. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DO NOT SCALE DRAWINGS. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY, VERIFY PRIOR TO BID. NOTIFY THE ARCHITECT IMMEDIATELY WITH ANY AND ALL CONFLICTS FOR RESOLUTION. FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.
8. EACH DESIGN PROFESSIONAL WILL BE THE PRIMARY SOURCE FOR INFORMATION REGARDING THAT DISCIPLINE (ARCH., STRUCT., MECH., ELEC., ETC.) HOWEVER, IT WILL NOT BE THE ONLY SOURCE FOR COORDINATION OF DO NOT SCALE DRAWINGS. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY, VERIFY PRIOR TO BID. NOTIFY THE ARCHITECT IMMEDIATELY WITH ANY AND ALL CONFLICTS FOR RESOLUTION., FIRE RESISTANCE, DESIGN, DETAILING AND FINISH APPEARANCE, COLOR OR TRIM FEATURES. THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF RELATED DESIGN DISCIPLINES AS THEY AFFECT CONSTRUCTION.
9. ALL PIPE, CONDUITS AND DUCTWORK PENETRATING THROUGH FIRE RATED FLOOR SLABS AND PARTITIONS SHALL BE SLEEVED EXCEPT WHERE SHAFTS OR OPENINGS ARE PROVIDED. VOIDS IN SLEEVES SHALL BE PACKED TIGHT WITH A FIRE RESISTIVE MATERIAL THAT MEETS OR EXCEEDS THE ASSEMBLY BEING PENETRATED.
10. LOCATE SUSPENDED CEILING HANGERS AND CHANNELS TO AVOID DUCTWORK AND PROVIDE SPACES FOR RECESSED LIGHT FIXTURES, DIFFUSERS AND CONVECTORS, ETC. SEE REFLECTED CEILING PLANS, ELECTRICAL AND MECHANICAL PLANS FOR LOCATIONS.
11. PROVIDE NECESSARY SUPPORTS AND BLOCKING IN WALLS TO SUPPORT WORK ATTACHED TO THEM.
12. DO NOT SCALE DRAWINGS. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY, VERIFY PRIOR TO BID. NOTIFY THE ARCHITECT IMMEDIATELY WITH ANY AND ALL CONFLICTS FOR RESOLUTION. ONLY.
13. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL ITEMS AND EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE DETAILED FABRICATION AND ERECTION DRAWINGS, SETTING DRAWINGS, DIAGRAMMATIC DRAWINGS AND MATERIAL SCHEDULES. LOCATION OR ORIENTATION OF ALL ITEMS SHALL BE CLEARLY INDICATED. FABRICATION SHALL BEGIN ONLY AFTER RECEIVING APPROVED SHOP DRAWINGS.
14. CONTRACTOR SHALL SUBMIT A COMPLETE SET OF RECORD DRAWINGS FOR ALL TRADES AT COMPLETION OF THE PROJECT.
15. ALL WOODWORK, BLOCKING, GROUNDS, ROUGH BUCKS, AND MISC. BLOCKING IS TO BE FIREPROOFED IN ACCORDANCE WITH ALL APPLICABLE CODES UNLESS NOTED OTHERWISE.
16. THE CONTRACTOR WILL PROVIDE ALL NECESSARY BARRICADES, SIGNAGE, REFLECTORS, LIGHTS, ETC. DURING CONSTRUCTION. PROPERLY IDENTIFY AREAS CLOSED TO THE PUBLIC.
17. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL TRENCHING AND EXCAVATION W/ ARCHITECT AND/OR RESPECTIVE ENGINEER PRIOR TO WORK.
18. THE GENERAL CONTRACTOR IS RESPONSIBLE TO SUPPLY ALL SUBCONTRACTORS WITH CONSTRUCTION DRAWINGS AND SPECIFICATIONS NECESSARY TO BID AND/OR CONSTRUCT THIS PROJECT.
19. ALL CONTRACTORS ARE RESPONSIBLE TO NOTIFY THE ARCHITECT OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES PRIOR TO MAKING ANY CHANGES TO THE CONSTRUCTION.
20. ALL DOORS TO BE 4" FROM FINISH FACE OF ADJACENT PARTITION UNLESS OTHERWISE NOTED.
21. THE CONTRACTOR SHALL VISIT THE JOB SITE TO ACQUAINT HIMSELF WITH THE JOB CONDITIONS AND SHALL CAREFULLY STUDY ALL DRAWINGS AND SPECIFICATIONS PERTAINING TO THE WORK. IF ANY OF THE WORK AS LAID OUT, INDICATED OR SPECIFIED IS CONTRARY TO OR CONFLICTS WITH ANY LOCAL, STATE, OR UNDERWRITERS ORDINANCES OR REGULATIONS, THE SAME SHALL BE REPORTED TO THE ARCHITECT BEFORE SUBMITTING BID. THE ARCHITECT WILL THEN ISSUE INSTRUCTIONS AS TO PROCEDURE. IF NO SUCH REPORT IS MADE, THE WORK SHALL BE REQUIRED AT NO EXPENSE TO THE OWNER.
22. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE SIMILAR TO THAT INDICATED OR NOTED FOR SIMILAR CONDITIONS AND CASES OF CONSTRUCTION ON THIS PROJECT. REFERENCES OF NOTES AND DETAILS TO SPECIFICATIONS AND LOCATIONS SHALL NOT LIMIT THEIR APPLICABILITY.
23. ALL WORK SHALL CONFORM TO THE CURRENT BUILDING CODE AND ALL APPLICABLE LAWS, RULES, REGULATIONS, AND ORDINANCES, OR GOVERNING AUTHORITIES. IN CASE OF CONFLICT, THE MOST RESTRICTIVE SHALL APPLY.
24. ITEMS MARKED "N.I.C." ON THE DRAWINGS ARE NOT PART OF THE CONTRACT.
25. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, ARRANGE FOR ALL REQUIRED INSPECTIONS, TEMPORARY TELEPHONE, TEMPORARY WATER, TRASH REMOVAL, AND TEMPORARY TOILET FACILITIES.
26. ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR USE OF A KEY, AND SHALL CONFORM WITH APPLICABLE CODES.
27. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND COORDINATION OF SUBCONTRACTORS WORK, TO SECURE COMPLIANCE TO DRAWINGS AND SPECIFICATIONS.
28. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR FIRE ALARM, SPRINKLERS, AND SUPPRESSION SYSTEMS PRIOR TO SUBMITTAL TO THE FIRE MARSHAL'S OFFICE FOR REVIEW. WORK IN THOSE AREAS SHALL NOT COMMENCE UNTIL SHOP DRAWINGS HAVE BEEN FOUND TO BE IN COMPLIANCE WITH APPLICABLE CODES BY THE FIRE MARSHAL'S OFFICE.
29. ALL WORK SHALL COMPLY WITH FEMA CONSENSUS-BASED "LATEST PUBLISHED EDITIONS" OF CODES, NOT NECESSARILY THE CODES CURRENTLY ADOPTED BY THE LOCAL MUNICIPALITY. THE MORE RESTRICTIVE CODE (EITHER FEMA CONSENSUS-BASED CODE OR CODE ADOPTED BY LOCAL MUNICIPALITY) SHALL BE APPLICABLE FOR THIS PROJECT.

   A. REFER TO SECTION 00 0160 INCLUDED IN THE PROJECT MANUAL FOR FEMA CONSENSUS BASED CODES, SPECIFICATIONS, AND STANDARDS FOR PUBLIC ASSISTANCE. SPECIFIC CODES APPLICABLE ARE LISTED IN APPENDIX A.

   B. THIS REQUIREMENT SHALL BE APPLICABLE TO ALL WORK INCLUDED IN THE PROJECT IN ADDITION TO COMPLIANCE WITH LOCAL CODES, REGARDLESS OF WHETHER COMPLIANCE WITH FEMA CONSENSUS BASED CODES IS SPECIFICALLY CALLED OUT.

30. CONTRACTOR TO REMOVE PAINT FROM ALL EXISTING DOOR, WINDOW, OR MILLWORK HARDWARE INTENDED TO REMAIN. ENSURE THAT PAINT IS NOT APPLIED TO ANY NEW HARDWARE BEING INSTALLED.
31. CHANGE REQUEST FOR WORK COMPLETED WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT AND THE OWNER WILL NOT BE CONSIDERED FOR APPROVAL.

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

GERALD DAVID HEBERT III REG. No. 4118 STATE OF LOUISIANA REGISTERED ARCHITECT

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/23/2024

PHASE BID DOCUMENTS

ISSUED FOR

PROJECT NO. 3221105

GENERAL INFORMATION

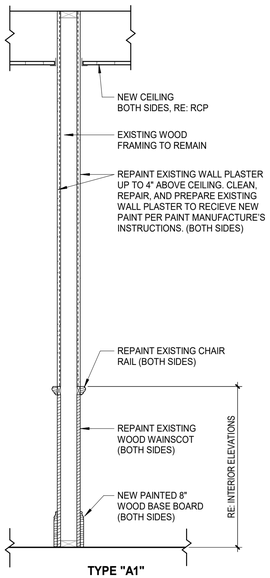
sheet number

G002

8/26/2024 8:32:40 AM

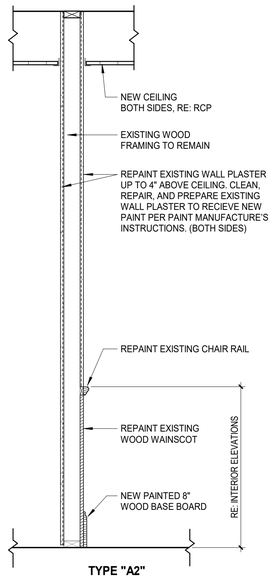
GENERAL PARTITION NOTES

1. SOME PARTITION TYPES SHOWN ON THIS SHEET MAY NOT BE USED IN PROJECT. REFER TO PLANS FOR ACTUAL PARTITION TYPES USED.
2. ALL PARTITION TYPES TO BE A3 UNLESS NOTED OTHERWISE.
3. PARTITION TYPE "I" NOT USED.
4. REFER TO PLANS AND WALL PARITION LEGEND FOR RATED PARTITIONS.
5. ALL RATED PARTITIONS SHALL BE CONSTRUCTED FIRST, IN ORDER OF PRIORITY (SEE WALL/PARTITION PRIORITY LEGEND BELOW). SECONDARY PARTITIONS TO ABUT BUT NOT PENETRATE RATED WALLS AS SHOWN IN WALL ABUTMENT DETAIL ON TYPICAL PARTITION DETAILS SHEET.
6. WHERE PARTITION TYPE INDICATES GYP. BD. TO BTM. OF DECK, STOP GYP. BD. 1/2" BELOW LINE OF STRUCTURE AND SEAL.
7. IF A FIRE RATED PARTITION OCCURS UNDER A STRUCTURAL MEMBER (OR OTHER OBSTRUCTION), IT IS THE CONTRACTORS RESPONSIBILITY TO CONTINUE THE FIRE RATING OF THE PARTITION TO THE UNDERSIDE OF THE ROOF DECK AND TO INCLUDE PRICING FOR THE CONTINUATION INTO THE BID.
8. SEAL ALL PENETRATIONS (DUCTS,CONDUITS,STRUCTURE, ETC.) THROUGH ACOUSTIC AND FIRE RATED ASSEMBLIES IN CONFORMANCE WITH THE U.L. DESIGN TYPE, THE STC RATING, APPLICABLE FIRE CODES, AND APPLICABLE LOCAL CODES.
9. BASE PROFILES DEPICTED IN WALL TYPES ARE DIAGRAMMATIC, CONTRACTOR TO REFER TO FINISH SCHEDULES AND ENLARGED BASE DETAILS FOR MATERIALS, CONSTRUCTION AND PLACEMENT.
10. REFER TO SPECIFICATIONS FOR STUD SPACING.
11. CONTRACTOR TO REMOVE ALL EXISTING WALL MOUNTED CONDUIT, DEVICES, ACCESSORIES, AND WALL BASE. REPAIR ALL CRACKS, HOLES, AND OTHER DAMAGE TO EXISTING WALL FINISH. REMOVE EXISTING ADHESIVES ON WALL SURFACE, CLEAN AND PREPARE EXISTING WALL TO RECIEVE NEW PAINT PER PAINT MANUFACTURE'S INSTRUCTIONS.
12. ALL NEW CONDUIT IS TO BE INSTALLED WITHIN FLOOR, WALL, OR CEILING STRUCTURE IN SUCH A WAY THAT EXPOSED WALL MOUNTED ELECTRICAL CONDUIT AND DEVICES ARE MINIMIZED. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS AND PLANS FOR ADDITIONAL SCOPE.
13. WHERE EXISTING PLASTER IS NOTED TO REMAIN, PATCH AND REPAIR PLASTER AS NEEDED TO BE FLUSH AND MATCH ADJACENT PLASTER TEXTURE. PREPARE THE SURFACE OF PLASTER ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND PAINT UP TO CEILING HEIGHT.
14. WHERE EXISTING WOOD CHAIR RAIL, WAINSCOT, OR TRIM IS NOTED TO REMAIN PREPARE THE SURFACE OF THE WOOD ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND RE-PAINT.
15. WHERE BASE BOARDS HAVE BEEN REMOVED, OR ARE CALLED TO BE REMOVED AND/OR REPLACED, REMOVE RESIDUAL ADHESIVE RESIDUE FROM SURFACE OF WALL. REPAIR AND PREPARE WALL TO RECIEVE NEW BASE BOARDS.



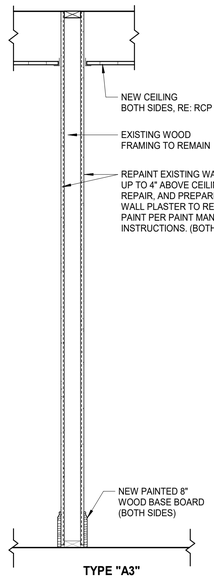
TYPE "A1"

EXISTING 3 1/2" WOOD STUD
W/ PLASTER AND WAINSCOT
BOTH SIDES



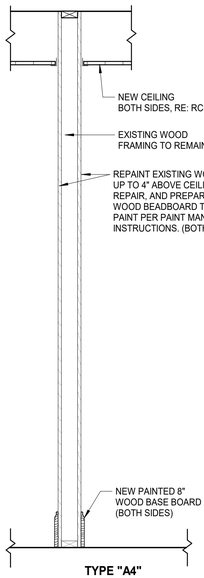
TYPE "A2"

EXISTING 3 1/2" WOOD STUD
W/ PLASTER ON ONE SIDE
AND WAINSCOT AND PLASTER
ON THE OTHER SIDE



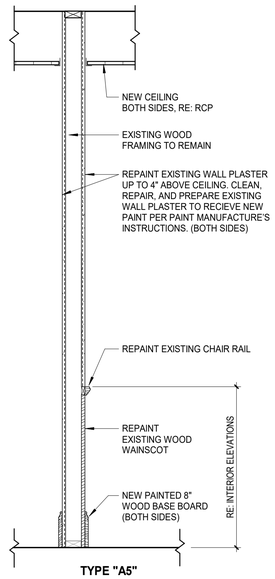
TYPE "A3"

EXISTING 3 1/2" WOOD STUD
w/ 3/4" PLASTER
BOTH SIDES



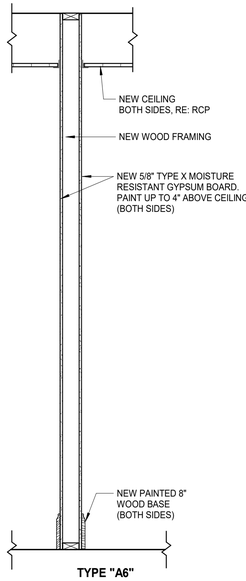
TYPE "A4"

EXISTING 3 1/2" WOOD STUD
w/ WOOD BEADBOARD
BOTH SIDES



TYPE "A5"

EXISTING 3 1/2" WOOD STUD
w/ WOOD WAINSCOT
ONE SIDE



TYPE "A6"

NEW 5 1/2" WOOD STUD w/ 5/8" GYPSUM @ BOTH SIDES

TYPE "A6a"

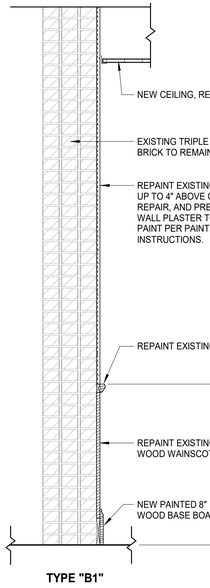
NEW 5 1/2" WOOD STUD w/ 5/8" GYPSUM @ ONE SIDE

TYPE "A6b"

NEW 3 1/2" WOOD STUD w/ 5/8" GYPSUM @ BOTH SIDES

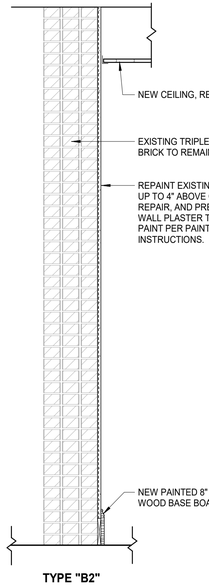
TYPE "A6c"

NEW 3 1/2" WOOD STUD w/ 5/8" GYPSUM @ ONE SIDE



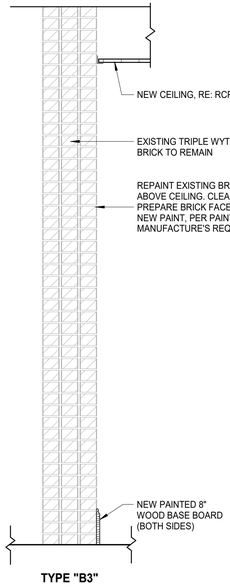
TYPE "B1"

EXISTING TRIPLE WYTHE BRICK WITH EXISTING 3/4" PLASTER
AND EXISTING 3/4" WOOD WAINSCOT ON ONE SIDE



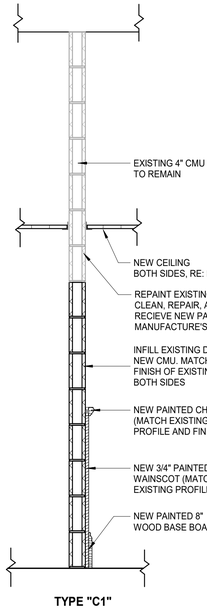
TYPE "B2"

EXISTING TRIPLE WYTHE BRICK WITH
EXISTING 3/4" PLASTER ON ONE SIDE



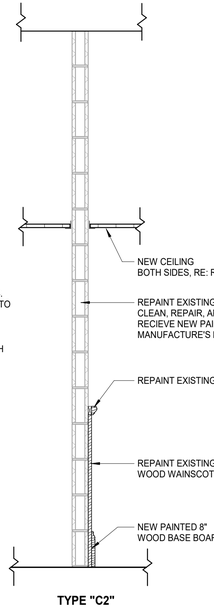
TYPE "B3"

TRIPLE WYTHE BRICK



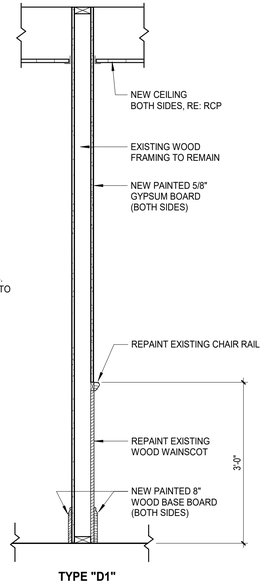
TYPE "C1"

4" CMU



TYPE "C2"

4" CMU WITH WAINSCOT

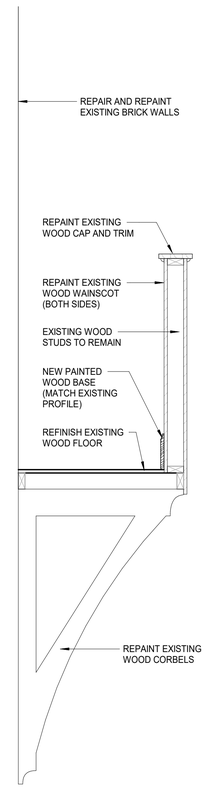


TYPE "D1"

EXISTING 3 1/2" WOOD STUD

TYPE "D2"

NEW 3 1/2" TREATED WOOD STUD



TYPE "A7"

EXISTING BALCONY WITH WOOD BEADBOARD
BOTH SIDES

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

GERALD DAVID HEBERT II
REG. No. 4118
STATE OF LOUISIANA
REGISTERED ARCHITECT

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/23/2024

PHASE BID DOCUMENTS

ISSUED FOR

PROJECT NO. 3221105

PARTITION TYPES

sheet number

G003

8/26/2024 8:32:40 AM

CHAPTER 3: BUILDING BLOCKS

303 Changes in Level

303.2 Vertical. Changes in level of ¼ inch (6.4 mm) high maximum shall be permitted to be vertical.

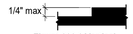


Figure 303.2 Vertical Change in Level

303.3 Beveled. Changes in level between ¼ inch (6.4 mm) high minimum and ½ inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.

Figure 303.3 Beveled Change in Level

304 Turning Space

304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

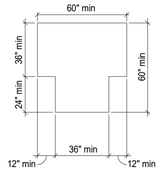


Figure 304.3.2 T-Shaped Turning Space

305 Clear Floor or Ground Space

305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm)wide minimum where the depth exceeds 24 inches (610 mm).

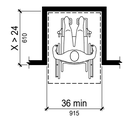


Figure 305.7.1 Maneuvering Clearance in an Alcove, Forward Approach

305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

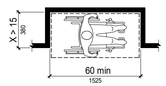


Figure 305.7.2 Maneuvering Clearance in an Alcove, Parallel Approach

306 Knee and Toe Clearance

306.2 Toe Clearance.

306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.

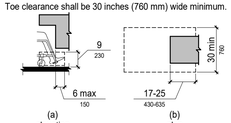


Figure 306.2 Toe Clearance

306.3 Knee Clearance.

306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the finish floor or ground.

306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

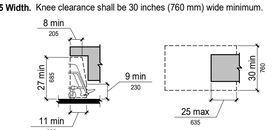


Figure 306.3 Knee Clearance

307 Protruding Objects

307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.
EXCEPTION: Handrails shall be permitted to protrude 4½ inches (115 mm) maximum.

308 Reach Ranges

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

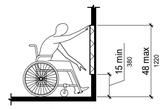


Figure 308.2.1 Unobstructed Forward Reach

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

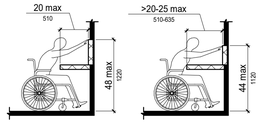


Figure 308.2.2 Obstructed High Forward Reach

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

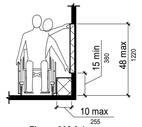


Figure 308.3.1 Unobstructed Side Reach

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

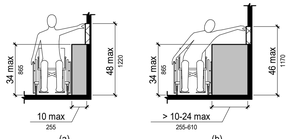


Figure 308.3.2 Obstructed High Side Reach

309 Operable Parts

309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be provided.

309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in 308.

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

CHAPTER 4: ACCESSIBLE ROUTES

402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4.
Advisory 402.2 Components. Walking surfaces must have running slopes not steeper than 1:20, see 403.3. Other components of accessible routes, such as ramps (405) and curb ramps (406), are permitted to be more steeply sloped.

403 Walking Surfaces

403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.

403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.

403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

403.4 Changes in Level. Changes in level shall comply with 303.

403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.
EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall be 36 inches (915 mm) minimum.
EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum.

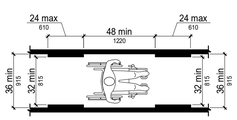


Figure 403.5.1 Clear Width of an Accessible Route

403.5.2 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

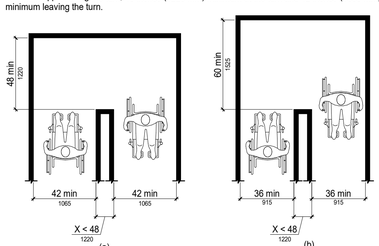


Figure 403.5.2 Clear Width at Turn

403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum. Passing spaces shall be either: a space 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum; or, an intersection of two walking surfaces providing a T-shaped space complying with 304.3.2 where the base and arms of the T-shaped space extend 48 inches (1220 mm) minimum beyond the intersection.

404 Doors, Doorways, and Gates

404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).

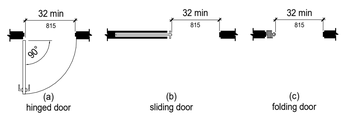


Figure 404.2.3 Clear Width of Doorways

404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

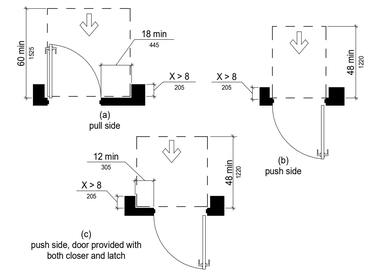


Figure 404.2.4.3 Maneuvering Clearances at Recessed Doors and Gates

404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:
1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
2. Sliding or folding doors: 5 pounds (22.2 N) maximum.

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the finish floor.

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.

404.3.7 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.

405 Ramps

405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12.

405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48.

405.5 Clear Width. The clear width of a ramp run and, where handrails are provided, the clear width between handrails shall be 36 inches (915 mm) minimum.

405.6 Rise. The rise for any ramp run shall be 30 inches (760 mm) maximum.

405.7 Landings. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with 405.7.

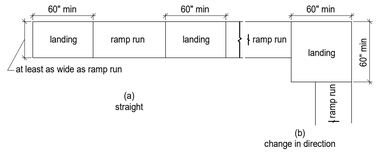


Figure 405.7 Ramp Landings

CHAPTER 5: GENERAL SITE AND BUILDING ELEMENTS

501 General

501.1 Scope. The provisions of Chapter 5 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

502 Parking Spaces

502.1 General. Car and van parking spaces shall comply with 502. Where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings.
EXCEPTION: Where parking spaces or access aisles are not adjacent to another parking space or access aisle, measurements shall be permitted to include the full width of the line defining the parking space or access aisle.

502.2 Vehicle Spaces. Car parking spaces shall be 96 inches (2440 mm) wide minimum and van parking spaces shall be 132 inches (3350 mm) wide minimum, shall be marked to define the width, and shall have an adjacent access aisle complying with 502.3.
EXCEPTION: Van parking spaces shall be permitted to be 96 inches (2440 mm) wide minimum where the access aisle is 96 inches (2440 mm) wide minimum.

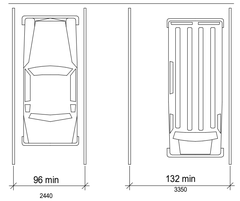


Figure 502.2 Vehicle Parking Spaces

502.3 Access Aisle. Access aisles serving parking spaces shall comply with 502.3. Access aisles shall adjoin an accessible route. Two parking spaces shall be permitted to share a common access aisle.

502.3.1 Width. Access aisles serving car and van parking spaces shall be 60 inches (1525 mm) wide minimum.

502.3.2 Length. Access aisles shall extend the full length of the parking spaces they serve.

502.3.3 Marking. Access aisles shall be marked so as to discourage parking in them.

502.3.4 Location. Access aisles shall not overlap the vehicular way. Access aisles shall be permitted to be placed on either side of the parking space except for angled van parking spaces which shall have access aisles located on the passenger side of the parking spaces.

502.4 Floor or Ground Surfaces. Parking spaces and access aisles serving them shall comply with 302. Access aisles shall be at the same level as the parking spaces they serve. Changes in level are not permitted.

502.5 Vertical Clearance. Parking spaces for vans and access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches (2490 mm) minimum.

502.6 Identification. Parking space identification signs shall include the International Symbol of Accessibility complying with 703.7.2.1. Signs identifying van parking spaces shall contain the designation "van accessible." Signs shall be 60 inches (1525 mm) minimum above the finish floor or ground surface measured to the bottom of the sign.

502.7 Relationship to Accessible Routes. Parking spaces and access aisles shall be designed so that cars and vans, when parked, cannot obstruct the required clear width of adjacent accessible routes.

503 Passenger Loading Zones

503.2 Vehicle Pull-Up Space. Passenger loading zones shall provide a vehicular pull-up space 96 inches (2440 mm) wide minimum and 20 feet (6100 mm) long minimum.

503.3 Access Aisle. Passenger loading zones shall provide access aisles complying with 503 adjacent to the vehicle pull-up space. Access aisles shall adjoin an accessible route and shall not overlap the vehicular way.

503.3.1 Width. Access aisles serving vehicle pull-up spaces shall be 60 inches (1525 mm) wide minimum.

503.3.2 Length. Access aisles shall extend the full length of the vehicle pull-up spaces they serve.

503.3.3 Marking. Access aisles shall be marked so as to discourage parking in them.

CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES

602 Drinking Fountains

602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.
EXCEPTION: A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 3½ inches (90 mm) maximum from the front edge of the unit, including bumpers.

602.3 Operable Parts. Operable parts shall comply with 309.

602.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or ground.

602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers.

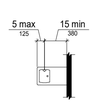


Figure 602.5 Drinking Fountain Spout Location

602.6 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.

602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.

603 Toilet and Bathing Rooms

603.2 Clearances. Clearances shall comply with 603.2.

603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.

603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.

603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604 Water Closets and Toilet Compartments

604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

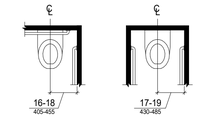


Figure 604.2 Water Closet Location

604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

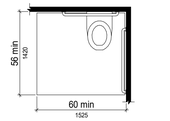


Figure 604.3.1 Size of Clearance at Water Closet

604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall.

604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall.

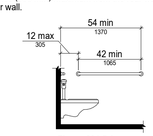


Figure 604.5.1 Side Wall Grab Bar at Water Closet

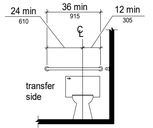


Figure 604.5.2 Rear Wall Grab Bar at Water Closet

604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side.

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

604.7 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

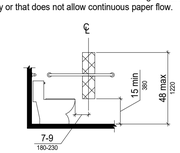


Figure 604.7 Dispenser Outlet Location

604.8 Toilet Compartments. Wheelchair accessible toilet compartments shall meet the requirements of 604.8.1 and 604.8.3. Compartments containing more than one plumbing fixture shall comply with 603. Ambulatory accessible compartments shall comply with 604.8.2 and 604.8.3.

604.8.1 Wheelchair Accessible Compartments. Wheelchair accessible compartments shall comply with 604.8.1.

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GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

GERALD DAVID HEBERT II
REG. No. 4118
STATE OF LOUISIANA
REGISTERED ARCHITECT

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/23/2024

PHASE BID DOCUMENTS

ISSUED FOR

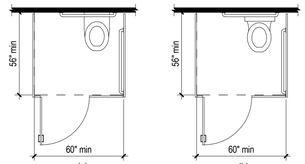
PROJECT NO. 3221105

ADA GUIDELINES

sheet number

G004

604.8.1.1 Size. Wheelchair accessible compartments shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 56 inches (1420 mm) deep minimum for wall hung water closets and 59 inches (1500 mm) deep minimum for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 59 inches (1500 mm) deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall.



(a) adult wall hung water closet (b) adult floor mounted water closet and childrens water closet

Figure 604.8.1.1
Size of Wheelchair Accessible Toilet Compartment

604.8.1.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) maximum from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

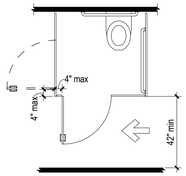


Figure 604.8.1.2
Wheelchair Accessible Toilet Compartment Doors

604.8.1.3 Approach. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.8.1.4 Toe Clearance. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor.
EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is greater than 65 inches (1650 mm) deep.

(a) elevation adult (b) elevation children (c) plan

Figure 604.8.1.4
Wheelchair Accessible Toilet Compartment Toe Clearance

604.8.1.5 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided and shall be located on the wall closest to the water closet. In addition, a rear-wall grab bar complying with 604.5.2 shall be provided.

604.8.2 Ambulatory Accessible Compartments. Ambulatory accessible compartments shall comply with 604.8.2.

604.8.2.1 Size. Ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.8.2.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404, except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

604.8.2.3 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided on both sides of the compartment.

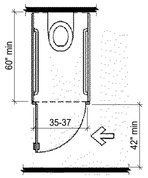
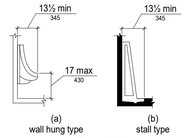


Figure 604.8.2
Ambulatory Accessible Toilet Compartment

604.8.3 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

605 Urinals

605.2 Height and Depth. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13½ inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.



(a) wall hung type (b) stall type

Figure 605.2
Height and Depth of Urinals

605.3 Clear Floor Space. A clear floor or ground space complying with 305 positioned for forward approach shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.

606 Lavatories and Sinks

606.2 Clear Floor Space. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.

606.3 Height. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.

606.4 Faucets. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.5 Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

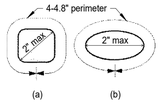
609 Grab Bars

609.1 General. Grab bars in toilet facilities and bathing facilities shall comply with 609.

609.2 Cross Section. Grab bars shall have a cross section complying with 609.2.1 or 609.2.2.

609.2.1 Circular Cross Section. Grab bars with circular cross sections shall have an outside diameter of 1¼ inches (32 mm) minimum and 2 inches (51 mm) maximum.

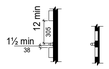
609.2.2 Non-Circular Cross Section. Grab bars with non-circular cross sections shall have a cross-section dimension of 2 inches (51 mm) maximum and a perimeter dimension of 4 inches (100 mm) minimum and 4.8 inches (120 mm) maximum.



(a) (b)

Figure 609.2.2
Grab Bar Non-Circular Cross Section

609.3 Spacing. The space between the wall and the grab bar shall be 1½ inches (38 mm). The space between the grab bar and projecting objects below and at the ends shall be 1½ inches (38 mm) minimum. The space between the grab bar and projecting objects above shall be 12 inches (305 mm) minimum.



(a) projecting objects (b) recessed objects

Figure 609.3 Spacing of Grab Bars

609.4 Position of Grab Bars. Grab bars shall be installed in a horizontal position, 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use complying with 604.9, grab bars shall be installed in a horizontal position 18 inches (455 mm) minimum and 27 inches (685 mm) maximum above the finish floor measured to the top of the gripping surface. The height of the lower grab bar on the back wall of a bathtub shall comply with 607.4.1.1 or 607.4.2.1.

609.5 Surface Hazards. Grab bars and any wall or other surfaces adjacent to grab bars shall be free of sharp or abrasive elements and shall have rounded edges.

609.6 Fittings. Grab bars shall not rotate within their fittings.

609.7 Installation. Grab bars shall be installed in any manner that provides a gripping surface at the specified locations and that does not obstruct the required clear floor space.

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the grab bar, fastener, mounting device, or supporting structure.

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

702 Fire Alarm Systems

702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

703 Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

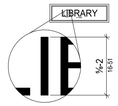


Figure 703.2.5
Height of Raised Characters

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

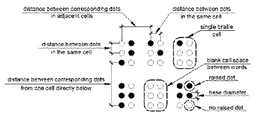


Figure 703.3.1
Braille Measurement

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

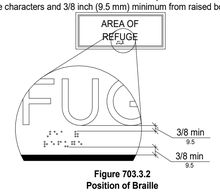


Figure 703.3.2
Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

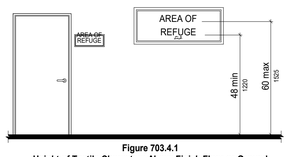


Figure 703.4.1
Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

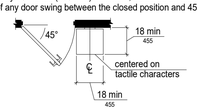


Figure 703.4.2
Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

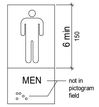


Figure 703.6.1
Pictogram Field

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.

703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.

703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.

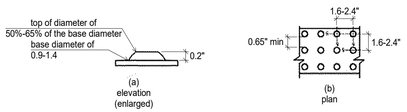
705 Detectable Warnings

705.1 General. Detectable warnings shall consist of a surface of truncated domes and shall comply with 705.

705.1.1 Dome Size. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch (23 mm) minimum and 1.4 inches (36 mm) maximum, a top diameter of 50 percent of the base diameter minimum to 65 percent of the base diameter maximum, and a height of 0.2 inch (5.1 mm).

705.1.2 Dome Spacing. Truncated domes in a detectable warning surface shall have a center-to-center spacing of 1.6 inches (41 mm) minimum and 2.4 inches (61 mm) maximum, and a base-to-base spacing of 0.65 inch (17 mm) minimum, measured between the most adjacent domes on a square grid.

705.1.3 Contrast. Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light.



(a) elevation (enlarged) (b) plan

Figure 705.1
Size and Spacing of Truncated Domes

705.2 Platform Edges. Detectable warning surfaces at platform boarding edges shall be 24 inches (610 mm) wide and shall extend the full length of the public use areas of the platform.

8/26/2024 8:32:41 AM

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

GERALD DAVID HEBERT II REG. No. 4118 STATE OF LOUISIANA REGISTERED ARCHITECT

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/23/2024

PHASE BID DOCUMENTS

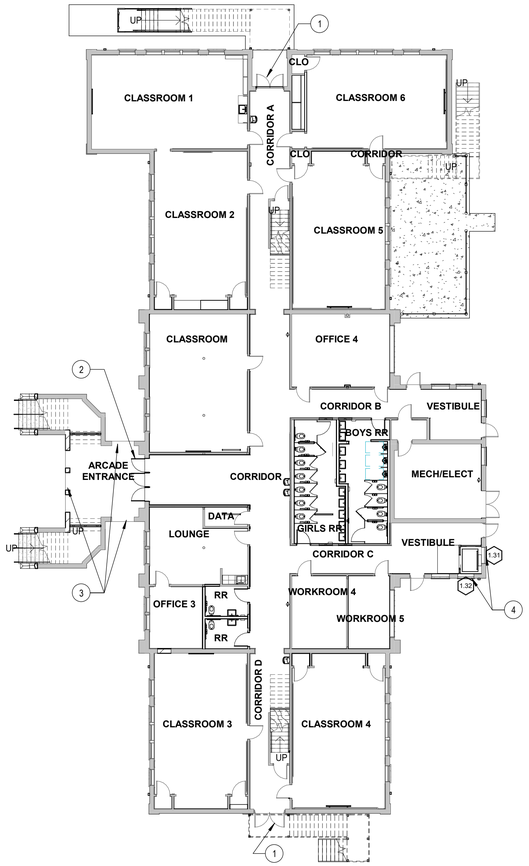
ISSUED FOR

PROJECT NO. 3221105

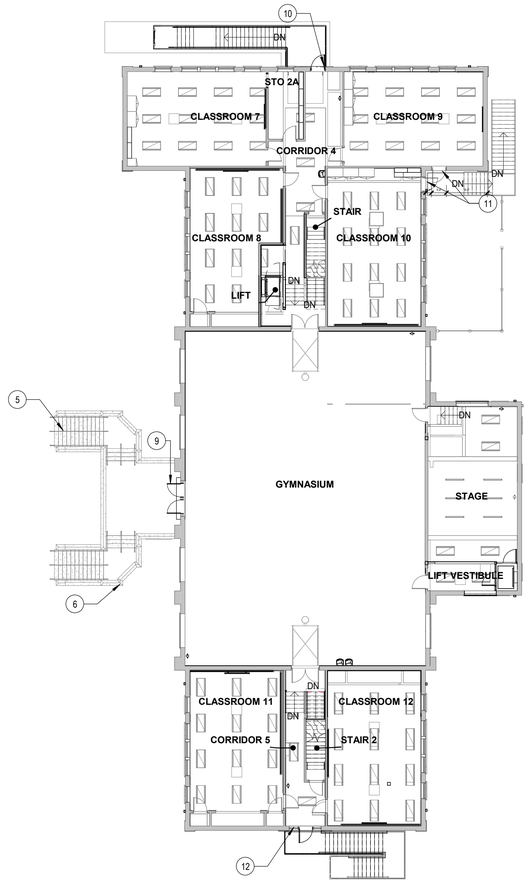
ADA GUIDELINES

sheet number

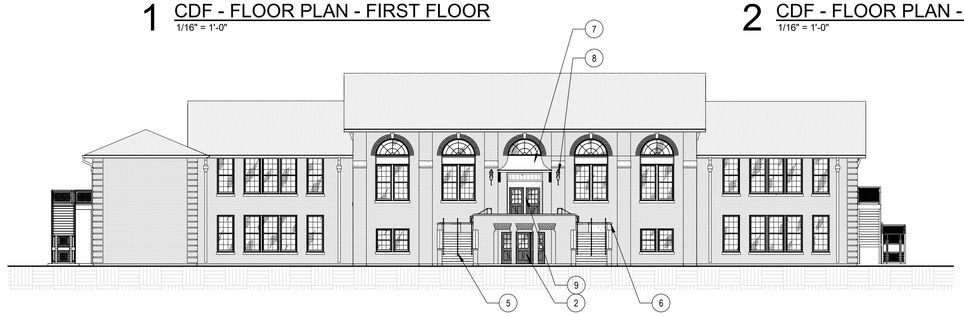
G005



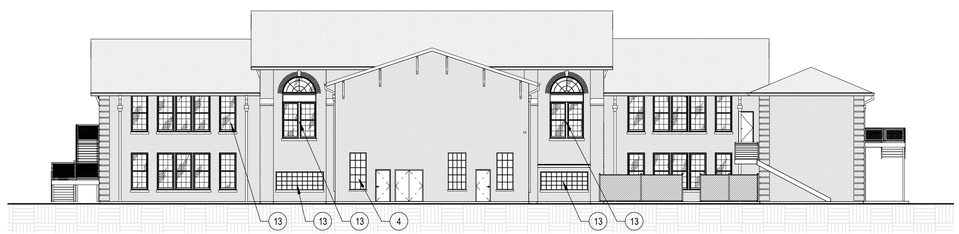
1 CDF - FLOOR PLAN - FIRST FLOOR
1/16" = 1'-0"



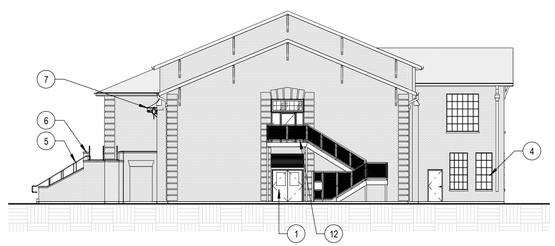
2 CDF - FLOOR PLAN - SECOND FLOOR
1/16" = 1'-0"



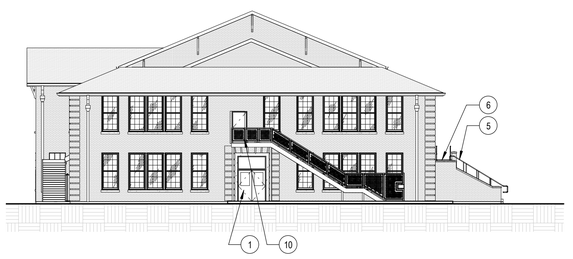
3 CDF-WEST ELEVATION
1/16" = 1'-0"



4 CDF-EAST ELEVATION
1/16" = 1'-0"



5 CDF-SOUTH ELEVATION
1/16" = 1'-0"



6 CDF-NORTH ELEVATION
1/16" = 1'-0"

EXTERIOR

REF. PHOTO 1 - SHOWING HISTORIC ENTRANCE CONFIGURATION

REF. PHOTO 2 - PRE-HURRICANE

REF. PHOTO 3 - POST-HURRICANE

EXTERIOR CHARACTER DEFINING FEATURES (APPROACH/TREATMENT TO AVOID ADVERSE EFFECT)

- **BRICK: IN-KIND REPLACEMENT OF DAMAGED BRICKS. REPOINT W/ MORTAR TO MATCH EXISTING**
- **WINDOWS: IN-KIND REPAIR/REPLACEMENT OF DAMAGED WOOD WINDOWS. SEE WINDOW SURVEY SHEETS FOR DETAILS.**
- **MAIN ENTRANCE ROOF: IN-KIND REPLACEMENT OF DAMAGED COPPER AWNING.**
- **STAIR COPING: IN-KIND REPLACEMENT OF DAMAGED CONCRETE/BRICK.**

CHARACTER DEFINING FEATURES APPROACH / TREATMENT	
NO.	COMMENT
1	REPLACE DAMAGED NON-HISTORIC DOOR W/ HALF LITE DOUBLE DOOR. (DOORS 100A & 100D)
2	NEW HALF-LITE DOORS TO MATCH HISTORIC APPEARANCE.
3	REMOVE DAMAGED NON-HISTORIC ALUMINUM STOREFRONT INFILL.
4	BRICK INFILL TO MATCH EXISTING. OUTLINE OF WINDOW AND CONC SILL TO REMAIN.
5	REMOVE DAMAGED NON-COMPLIANT HANDRAIL. REPLACE W/ NEW METAL HANDRAIL @ CENTER OF STAIR.
6	REPAIR DAMAGED CONCRETE COPING & BRICK TO MATCH HISTORIC APPEARANCE.
7	NEW COPPER AWNING, GUTTER & DOWNSPOUT TO MATCH DAMAGED EXISTING.
8	NEW EXTERIOR WALL SCONCE TO MATCH HISTORIC.
9	REPLACE DAMAGED NON-HISTORIC DOORS WITH DOUBLE DOORS TO MATCH HISTORIC APPEARANCE.
10	REMOVE NON-HISTORIC EXTERIOR STAIRS. BRICK INFILL IN PREVIOUSLY INFILLED WALL TO MATCH EXISTING. REPAIR DECORATIVE ORIGINAL BRICK TO MATCH HISTORIC APPEARANCE.
11	REMOVE NON-COMPLIANT EXTERIOR STAIRS. BRICK INFILL TO MATCH EXISTING.
12	REMOVE DAMAGED DOOR & EXTERIOR STAIR. NEW FIXED WINDOW.
13	REMOVE MECH INFILL. NEW WINDOW TO MATCH HISTORIC.

INTERIOR CHARACTER DEFINING FEATURES (APPROACH/TREATMENT TO AVOID ADVERSE EFFECT)

- **WAINSCOT: IN-KIND REPLACEMENT AS REQ'D.**
- **CHALKBOARDS: FRAMES TO REMAIN. REPAIR AS REQ'D. INFILL AS REQ'D. SMARTBOARD MOUNTS TO BYPASS HISTORIC CHALKBOARD FRAMES.**
- **CLOAK ROOMS / COAT RACKS: IN-KIND REPLACEMENT AS REQ'D.**
- **WOOD FLOORING: IN-KIND REPLACEMENT**
- **PLASTER: IN-KIND REPLACEMENT OF DAMAGED WALL PLASTER.**
- **BEADBOARD CEILING: BEADBOARD WAS LARGELY PREVIOUSLY REPLACED WITH ACOUSTIC TILE. RETAIN SMALL AMOUNT OF EXISTING BEADBOARD CEILING.**
- **WOOD FLOOR BASE & TRIM: IN-KIND REPLACEMENT.**

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/23/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

HISTORIC FEATURES

sheet number
G006

8/26/2024 8:33:00 AM

J.I. WATSON HISTORICAL BUILDING HURRICANE REPAIRS PROJECT -
DAMAGE ASSESSMENT AND CODE COMPLIANCE SUMMARY:

NOTE: THE FOLLOW IMAGES AND DESCRIPTIONS ARE INTENDED TO SUMMARIZE THE SEVERITY OF STORM RELATED DAMAGE AND CODE NON-CONFORMANCE OF THE FACILITY IN IT'S EXISTING STATE. THESE IMAGES AND DESCRIPTIONS ARE INTENDED FOR REFERENCE ONLY, AND ARE NOT INTENDED TO CONVEY THE FULL SCOPE OF THE PROJECT.

BACKGROUND

ON AUGUST 27, 2020 HURRICANE LAURA MADE LANDFALL APPROXIMATELY 49 MILES SOUTH OF THE J.I. WATSON HISTORICAL BUILDING SITE AS A CATEGORY 4 STORM. 6 WEEKS LATER AS THE COMMUNITY WAS IN THE MIDST OF ASSESSING AND MITIGATING THE EFFECTS OF HURRICANE LAURA, HURRICANE DELTA MADE LANDFALL APPROXIMATELY 43 MILES SOUTH OF THE SITE AS A CATEGORY 2 STORM.

DAMAGE

1. THE J.I. WATSON HISTORICAL BUILDING WAS EXPOSED TO SUSTAINED WINDS UPWARDS OF 140 MPH AS THE EYE OF THE STORM PASSED 10-15 MILES WEST OF THE SITE. APPROXIMATELY 2,500 SF OF THE BUILDINGS ROOF WAS COMPLETELY DETACHED FROM THE BUILDING.

1A

1B

1C

2. WINDBORNE DEBRIS CARRIED BY HURRICANE FORCE WINDS STRUCK AND DAMAGED ROOFING SYSTEMS AND COMPONENTS, TO INCLUDE METAL CANOPIES, GUTTERS, AND DOWNSPOUTS.

2A

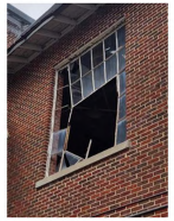
2B

2C

DAMAGE CONT.

3. WINDBORNE DEBRIS CARRIED BY HURRICANE FORCE WINDS STRUCK WOOD AND STEEL WINDOWS, DAMAGING FRAMING AND GLAZING.

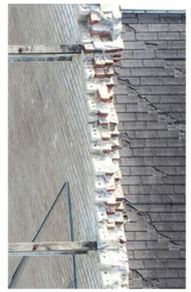
3A



3B

4. WINDBORNE DEBRIS CARRIED BY HURRICANE FORCE WINDS STRUCK THE EXTERIOR OF THE BUILDING, DAMAGING CONCRETE AND BRICK MASONRY ELEMENTS.

4A



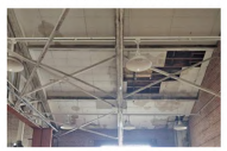
4C

4B

5. MOISTURE INTRUSION DUE TO DAMAGED AND/OR MISSING ROOFING AND WINDOWS RESULTED IN SEVERLY DAMAGED ARCHTECTURAL FINISHES.

5A - COLLAPSING PLASTER CEILING

5B - WARPED HARDWOOD FLOORS



5C - STAINED/MISSING CEILING TILE

5D - DAMAGED WOOD PANELING

5E - DAMAGED/PEELING PAINT

5F - DAMAGED WOOD WAINSCOT

6. MOISTURE INTRUSION DUE TO DAMAGED AND/OR MISSING ROOFING AND WINDOWS RESULTED IN EXTENSIVE MOLD DEVELOPMENT.

6A - MOLD GROWTH

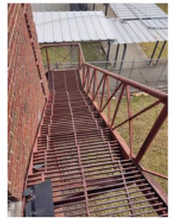
6B - MOLD GROWTH

6C - MOLD GROWTH

LIFESAFETY/ACCESSIBILITY

7. NON-COMPLIANT EXTERIOR STAIRS.

7A. EAST STAIR - NON-COMPLIANT LANDING & RAILING

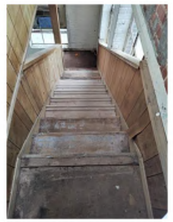


7B. EAST STAIR - NON-COMPLIANT TREADS & RAILING

7C. SOUTH STAIR - NON-COMPLIANT GATE

7D. WEST STAIR - NON-COMPLIANT RAIL

8. NON-COMPLIANT INTERIOR STAIRS.



8A. EAST INTERIOR STAIR - NON-COMPLIANT RAIL

8B. EAST INTERIOR STAIR - NON-COMPLIANT TREAD

9. NON-COMPLIANT RESTROOMS.

9A. NON-COMPLIANT VESTIBULE/DOORS

9B. NON-COMPLIANT STALLS

9C. NON-COMPLIANT STAFF RESTROOM

9B. NON-COMPLIANT URINALS

LIFESAFETY/ACCESSIBILITY CONT.

10. NON-ACCESSIBLE CLASSROOMS.

10A. NON-ACCESSIBLE CLASSROOM LEVEL (2ND FLOOR - NORTH WING)

10B. NON-ACCESSIBLE CLASSROOM LEVEL (2ND FLOOR - SOUTH WING)

11. NON-ACCESSIBLE STAGE

11A. NON-ACCESSIBLE STAGE - LEFT ENTRANCE

11B. NON-ACCESSIBLE STAGE - RIGHT ENTRANCE

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

GERALD DAVID HEBERT III REG. No. 4718 STATE OF LOUISIANA REGISTERED ARCHITECT

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/23/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

PROJECT DAMAGE DESCRIPTION

sheet number G007

8/26/2024 10:12:27 AM

THE SECRETARY OF THE INTERIOR'S STANDARDS FOR REHABILITATION

1. A PROPERTY SHALL BE USED FOR ITS HISTORIC PURPOSE OR BE PLACED IN A NEW USE THAT REQUIRES MINIMAL CHANGE TO THE DEFINING CHARACTERISTICS OF THE BUILDING AND ITS SITE AND ENVIRONMENT.

2. THE HISTORIC CHARACTER OF A PROPERTY SHALL BE RETAINED AND PRESERVED. THE REMOVAL OF HISTORIC MATERIALS OR ALTERATION OF FEATURES AND SPACES THAT CHARACTERIZE A PROPERTY SHALL BE AVOIDED.

3. EACH PROPERTY SHALL BE RECOGNIZED AS A PHYSICAL RECORD OF ITS TIME, PLACE, AND USE. CHANGES THAT CREATE A FALSE SENSE OF HISTORICAL DEVELOPMENT, SUCH AS ADDING CONJECTURAL FEATURES OR ARCHITECTURAL ELEMENTS FROM OTHER BUILDINGS, SHALL NOT BE UNDERTAKEN.

4. MOST PROPERTIES CHANGE OVER TIME; THOSE CHANGES THAT HAVE ACQUIRED HISTORIC SIGNIFICANCE IN THEIR OWN RIGHT SHALL BE RETAINED AND PRESERVED.

5. DISTINCTIVE FEATURES, FINISHES, AND CONSTRUCTION TECHNIQUES OR EXAMPLES OF CRAFTSMANSHIP THAT CHARACTERIZE A PROPERTY SHALL BE PRESERVED.

6. DETERIORATED HISTORIC FEATURES SHALL BE REPAIRED RATHER THAN REPLACED. WHERE THE SEVERITY OF DETERIORATION REQUIRES REPLACEMENT OF A DISTINCTIVE FEATURE, THE NEW FEATURE SHALL MATCH THE OLD IN DESIGN, COLOR, TEXTURE, AND OTHER VISUAL QUALITIES AND, WHERE POSSIBLE, MATERIALS. REPLACEMENT OF MISSING FEATURES SHALL BE SUBSTANTIATED BY DOCUMENTARY, PHYSICAL, OR PICTORIAL EVIDENCE.

7. CHEMICAL OR PHYSICAL TREATMENTS, SUCH AS SANDBLASTING, THAT CAUSE DAMAGE TO HISTORIC MATERIALS SHALL NOT BE USED. THE SURFACE CLEANING OF STRUCTURES, IF APPROPRIATE, SHALL BE UNDERTAKEN USING THE GENTLEST MEANS POSSIBLE.

8. SIGNIFICANT ARCHEOLOGICAL RESOURCES AFFECTED BY A PROJECT SHALL BE PROTECTED AND PRESERVED. IF SUCH RESOURCES MUST BE DISTURBED, MITIGATION MEASURES SHALL BE UNDERTAKEN.

9. NEW ADDITIONS, EXTERIOR ALTERATIONS, OR RELATED NEW CONSTRUCTION SHALL NOT DESTROY HISTORIC MATERIALS THAT CHARACTERIZE THE PROPERTY. THE NEW WORK SHALL BE DIFFERENTIATED FROM THE OLD AND SHALL BE COMPATIBLE WITH THE MASSING, SIZE, SCALE, AND ARCHITECTURAL FEATURES TO PROTECT THE HISTORIC INTEGRITY OF THE PROPERTY AND ITS ENVIRONMENT.

10. NEW ADDITIONS AND ADJACENT OR RELATED NEW CONSTRUCTION SHALL BE UNDERTAKEN IN SUCH A MANNER THAT IF REMOVED IN THE FUTURE, THE ESSENTIAL FORM AND INTEGRITY OF THE HISTORIC PROPERTY AND ITS ENVIRONMENT WOULD BE UNIMPAIRED.

PLATFORM LIFT APPLICABLE CODE:

IBC 2018:

1108.2.8 PERFORMANCE AREAS. AN ACCESSIBLE ROUTE SHALL DIRECTLY CONNECT THE PERFORMANCE AREA TO THE ASSEMBLY SEATING AREA WHERE A CIRCULATION PATH DIRECTLY CONNECTS A PERFORMANCE AREA TO AN ASSEMBLY SEATING AREA. AN ACCESSIBLE ROUTE SHALL BE PROVIDE FROM PERFORMANCE AREAS TO ANCILLARY AREAS OR FACILITIES USED BY PERFORMERS.

1009.5 PLATFORM LIFTS. PLATFORM LIFTS SHALL BE PERMITTED TO SERVE AS PART OF AN ACCESSIBLE MEANS OF EGRESS WHERE ALLOWED AS PART OF A REQUIRED ACCESSIBLE ROUTE IN SECTION 1109.8 EXCEPT FOR ITEM 10. STANDBY POWER FOR THE PLATFORM LIFT SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTER 27.

1109.8 LIFTS. PLATFORM (WHEELCHAIR) LIFTS ARE PERMITTED TO BE A PART OF A REQUIRED ACCESSIBLE ROUTE IN NEW CONSTRUCTION WHERE INDICATED IN ITEMS 1 THROUGH 10. PLATFORM (WHEELCHAIR) LIFTS SHALL BE INSTALLED IN ACCORDANCE WITH ASME A18.1.

1. AN ACCESSIBLE ROUTE TO A PERFORMING AREA AND SPEAKER PLATFORMS.

IEBC 2018:

306.7.8 PLATFORM LIFTS. PLATFORM (WHEELCHAIR) LIFTS INSTALLED IN ACCORDANCE WITH ASME A18.1 SHALL BE PERMITTED AS A COMPONENT OF AN ACCESSIBLE ROUTE.

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN:
206.2.4 SPACE AND ELEMENTS. AT LEAST ON ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS WITH THE BUILDING OR FACILITY WHICH ARE OTHERWISE CONNECTED BY A CIRCULATION PATH UNLESS EXEMPTED BY 206.2.3 EXCEPTIONS 1 THROUGH 7.

ADVISORY 206.2.4 SPACES AND ELEMENTS. ACCESSIBLE ROUTES MUST CONNECT ALL SPACES AND ELEMENTS REQUIRED TO BE ACCESSIBLE INCLUDING, BUT NOT LIMITED TO, **RAISED AREAS AND SPEAKER PLATFORMS.**

206.7 PLATFORM LIFTS. PLATFORM LIFTS SHALL COMPLY WITH 410. PLATFORM LIFTS SHALL BE PERMITTED AS A COMPONENT OF AN ACCESSIBLE ROUTE IN AN EXISTING BUILDING OR FACILITY.

206.7.1 PERFORMANCE AREAS AND SPEAKERS' PLATFORMS. PLATFORM LIFTS SHALL BE PERMITTED TO PROVIDE ACCESSIBLE ROUTES TO PERFORMANCE AREAS AND SPEAKER'S PLATFORMS.

207.2 PLATFORM LIFTS. STANDBY POWER SHALL BE PROVIDED FOR PLATFORM LIFTS PERMITTED BY SECTION 1003.2.13.4 OF THE INTERNATIONAL BUILDING CODE

410 Platform Lifts
General. Platform lifts shall comply with ASME A18.1 (1999 edition or 2003 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Platform lifts shall not be attendant-operated and shall provide unassisted entry and exit from the lift.

Floor Surfaces. Floor surfaces in platform lifts shall comply with 302 and 303.
Figure 302.2 Carpet Pile Height
Figure 303.2 Vertical Changes in Level
Figure 303.3 Beveled Change in Level

Clear Floor Space. Clear floor *space* in platform lifts shall comply with 305.

ANSI A117 Minimums for Platform Lifts

410.5.1 Lifts with Single Door or Doors on Opposite Ends.
Platform lifts with a single door or with doors on opposite ends shall provide a clear floor width of **36 inches (915 mm) minimum and a clear floor depth of 48 inches (1220 mm) minimum**.

410.5.2 Lifts with Doors on Adjacent Sides.
Platform lifts with doors on adjacent sides shall provide a clear floor width of ***42 inches (1065 mm) minimum and a clear floor depth of 60 inches (1525 mm) minimum.***

EXCEPTION: In existing buildings, platform lifts with doors on adjacent sides shall be permitted to provide a clear floor width of **36 inches (915 mm) and a clear floor depth of 60 inches (1525 mm)**.

305.3 Size. The clear floor or ground *space* shall be 30 inches (760 mm) minimum by 48 inches (1220 mm) minimum.

Figure 305.3 Clear Floor or Ground Space

410.4 Platform to Runway Clearance. The clearance between the platform sill and the edge of any runway landing shall be 1¼ inch (32 mm) maximum. ***NOTE: ASME A18.1 allows a range of only .375" to .75"***

410.5 Operable Parts. Controls for platform lifts shall comply with 309.
309 Operable Parts
309.1 General. ***Operable parts*** **shall comply with 309.**
309.2 Clear Floor Space. A clear floor or ground *space* complying with 305 shall be provided.
309.3 Height. *Operable parts* shall be placed within one or more of the reach ranges specified in 308.
309.4 Operation. *Operable parts* shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate *operable parts* shall be 5 pounds (22.2 N) maximum.

410.6 Doors and Gates. Platform lifts shall have low-energy power-operated doors or gates complying with 404.3. Doors shall remain open for 20 seconds minimum. End doors and gates shall provide a clear width 32 inches (815 mm) minimum. Side doors and gates shall provide a clear width 42 inches (1065 mm) minimum. **EXCEPTION:** Platform lifts serving two landings maximum and having doors or gates on opposite sides shall be permitted to have self-closing manual doors or gates.

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1201.2 REPORT

A HISTORIC BUILDING UNDERGOING ALTERATION OR CHANGE OF OCCUPANCY SHALL BE INVESTIGATED AND EVALUATED. IF IT IS INTENDED THAT THE NEW BUILDING MEET THE REQUIREMENTS OF THIS CHAPTER, A WRITTEN REPORT SHALL BE PREPARED AND FILED WITH THE CODE OFFICIAL BY A REGISTERED DESIGN PROFESSIONAL WHERE SUCH A REPORT IS NECESSARY IN THE OPINION OF THE CODE OFFICIAL. SUCH REPORT SHALL BE IN ACCORDANCE WITH CHAPTER ONE AND SHALL IDENTIFY EACH REQUIRED SAFETY FEATURE THAT IS IN COMPLIANCE WITH THIS CHAPTER AND WHERE COMPLIANCE WITH OTHER CHAPTERS OF THESE PROVISIONS WOULD BE DAMAGING TO THE CONTRIBUTING HISTORIC FEATURES. FOR BUILDINGS ASSIGNED 2 SEISMIC DESIGN CATEGORY D, E OR F, A STRUCTURAL EVALUATION DESCRIBING, AT A MINIMUM, THE VERTICAL AND HORIZONTAL ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM AND ANY OTHER STRENGTHS OR WEAKNESSES THEREIN SHALL BE PREPARED. ADDITIONALLY, THE REPORT SHALL DESCRIBE EACH FEATURE THAT IS NOT IN COMPLIANCE WITH THESE PROVISIONS AND SHALL DEMONSTRATE HOW THE INTENT OF THESE PROVISIONS IS COMPLIED WITH IN PROVIDING AN EQUIVALENT LEVEL OF SAFETY.

IDENTIFY REQUIRED SAFETY FEATURES THAT WOULD BE DAMAGING TO THE CONTRIBUTING HISTORIC FEATURES.

1201.4 FLOOD HAZARD AREAS.
IN FLOOD HAZARD AREAS, IF ALL PROPOSED WORK, INCLUDING REPAIRS, WORK REQUIRED BECAUSE OF A CHANGE OF OCCUPANCY, AND ALTERATIONS, CONSTITUTES SUBSTANTIAL IMPROVEMENT, THEN THE EXISTING BUILDING SHALL COMPLY WITH SECTIONS 1612 OF THE INTERNATIONAL BUILDING CODE , OR SECTION R32 TWO OF THE INTERNATIONAL RESIDENTIAL CODE, AS APPLICABLE.

EXCEPTION: IF A HISTORIC BUILDING WILL CONTINUE TO BE A HISTORIC BUILDING AFTER THE PROPOSED WORK IS COMPLETED, THEN THE PROPOSED WORK IS NOT CONSIDERED A SUBSTANTIAL IMPROVEMENT.

FOR THE PURPOSES OF THIS EXCEPTION, A HISTORIC BUILDING IS ANY OF THE FOLLOWING: LISTED OR PRELIMINARILY DETERMINED TO BE ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES. DETERMINED BY THE SECRETARY OF THE US DEPARTMENT OF INTERIOR TO CONTRIBUTE TO THE HISTORICAL SIGNIFICANCE OF A REGISTERED HISTORIC DISTRICT OR A DISTRICT PRELIMINARILY DETERMINED TO QUALIFY AS A HISTORIC DISTRICT. DESIGNATED AS HISTORIC UNDER A STATE OR LOCAL HISTORIC PRESERVATION PROGRAM THAT IS APPROVED BY THE DEPARTMENT OF THE INTERIOR.

NOT CONSIDERED A SUBSTANTIAL IMPROVEMENT

1202.1 GENERAL.
REPAIRS TO ANY PORTION OF A HISTORIC BUILDING OR STRUCTURE SHALL BE PERMITTED WITH ORIGINAL OR LIFE MATERIALS AND ORIGINAL METHODS OF CONSTRUCTION, SUBJECT TO THE PROVISIONS OF THIS CHAPTER. HAZARDOUS MATERIALS, SUCH AS ASBESTOS AND LEAD BASED PAINT, SHALL NOT BE USED WHERE THE CODE FOR NEW CONSTRUCTION WOULD NOT PERMIT THEIR USE IN BUILDINGS OF SIMILAR OCCUPANCY, PURPOSE AND LOCATION.

1202.2 REPLACEMENT.
REPLACEMENT OF EXISTING OR MISSING FEATURES USING ORIGINAL MATERIALS SHALL BE PERMITTED. PARTIAL REPLACEMENT FOR REPAIRS THAT MATCH THE ORIGINAL AND CONFIGURATION, HEIGHT, AND SIZE SHALL BE PERMITTED. REPLACEMENT GLAZING AND HAZARDOUS LOCATIONS SHALL COMPLY WITH A SAFETY GLAZING REQUIREMENTS OF CHAPTER 24 OF THE INTERNATIONAL BUILDING CODE.
EXCEPTION: GLASS BLOCK WALLS, LOUVERED WINDOWS, AND JALOUSIES REPAIRED WITH LIKE MATERIALS.

GLAZING IS CLASSIFIED AS NON-HAZARDOUS - SEE IBC 2406.4.3

1203.12 AUTOMATIC FIRE-EXTINGUISHING SYSTEMS.
EVERY HISTORIC BUILDING THAT CANNOT BE MADE TO CONFORM TO THE CONSTRUCTION REQUIREMENTS SPECIFIED IN THE INTERNATIONAL BUILDING CODE FOR THE OCCUPANCY OR USE AND THAT CONSTITUTES A DISTINCT FIRE HAZARD SHALL BE DEEMED TO BE IN COMPLIANCE IF PROVIDED WITH AN APPROVED AUTOMATIC FIRE EXTINGUISHING SYSTEM.

EXCEPTION: WHERE THE CODE OFFICIAL APPROVES AN ALTERNATIVE LIFE SAFETY SYSTEM.

B101.3 QUALIFIED HISTORIC BUILDINGS AND FACILITIES SUBJECT TO SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT.
WHERE AN ALTERATION OR CHANGE OF OCCUPANCY IS UNDERTAKEN TO A QUALIFIED HISTORIC BUILDING OR FACILITY THAT IS SUBJECT TO SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT, THE FEDERAL AGENCY WITH JURISDICTION OVER THE UNDERTAKING SHALL FOLLOW THE SECTION 106 PROCESS. WHERE THE STATE HISTORIC PRESERVATION OFFICER OR ADVISORY COUNCIL ON HISTORIC PRESERVATION DETERMINES THAT COMPLIANCE WITH THE REQUIREMENTS FOR ACCESSIBLE ROUTES, RAMPS, ENTRANCES, OR TOILET FACILITIES WITH THREATENED REGISTRY THE HISTORIC SIGNIFICANCE OF THE BUILDING OR FACILITY, THE ALTERNATIVE REQUIREMENTS OF SECTION 305.9 FOR THAT ELEMENT ARE PERMITTED.

305.9 HISTORIC BUILDINGS
THESE PROVISIONS SHALL APPLY TO FACILITIES DESIGNATED AS HISTORIC STRUCTURES THAT UNDERGO ALTERATIONS OR CHANGE OF OCCUPANCY, AND LESS TECHNICALLY INFEASIBLE. WHERE COMPLIANCE WITH THE REQUIREMENTS OR ACCESSIBLE ROUTES, ENTRANCES OR TOILET ROOMS WOULD THREATEN OR DESTROY THE HISTORIC SIGNIFICANCE OF THE FACILITY, AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION, THE ALTERNATIVE REQUIREMENTS OF SECTIONS 305.9.1 THROUGH 305.9.4 FOR THAT ELEMENT SHALL BE PERMITTED.

305.9.1 SITE ARRIVAL POINTS.
NOT FEWER THAN ONE ACCESSIBLE ROUTE FROM A SITE ARRIVAL POINT TO AN ACCESSIBLE ENTRANCE SHALL BE PROVIDED.

305.9.2 MULTIPLE-LEVEL BUILDINGS AND FACILITIES.
AN ACCESSIBLE ROUTE FROM AN ACCESSIBLE ENTRANCE TO PUBLIC SPACES ON THE LEVEL OF THE ACCESSIBLE ENTRANCE SHALL BE PROVIDED.

305.9.3 ENTRANCES.
NOT FEWER THAN ONE MAIN ENTRANCE SHALL BE ACCESSIBLE.

EXCEPTION: IF A PUBLIC ENTRANCE CANNOT BE MADE ACCESSIBLE, AND ACCESSIBLE ENTRANCE THAT IS UNLOCKED WHILE THE BUILDING IS OCCUPIED SHALL BE PROVIDED; OR, A LOCKED ACCESSIBLE ENTRANCE WITH A NOTIFICATION SYSTEM OR REMOTE MONITORING SHALL BE PROVIDED.

2018 IBC

TABLE 2406.2(1) MINIMUM CATEGORY CLASSIFICATION OF GLAZING USING CPSC 16 CFR PART 1201

EXPOSED SURFACE AREA OF ONE SIDE OF ONE LITE	GLAZING IN STORM OR COMBINATION DOORS (Category class)	GLAZING IN DOORS (Category class)	GLAZED PANELS REGULATED BY SECTION 2406.4.3 (Category class)	GLAZED PANELS REGULATED BY SECTION 2406.4.2 (Category class)	DOORS AND ENCLOSURES REGULATED BY SECTION 2406.4.5 (Category class)	SLIDING GLASS DOORS PATIO TYPE (Category class)
9 square feet or less	I	I	No requirement	I	II	II
More than 9 square feet	II	II	II	II	II	II

For SI: 1 square foot = 0.0929 m^2.

2406.4.3 GLAZING IN WINDOWS.
GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS SHALL BE CONSIDERED A HAZARDOUS LOCATION: THE EXPOSED AREA OF AN INDIVIDUAL PAIN IS GREATER THAN NINE SQUARE FEET THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18 INCHES ABOVE THE FLOOR THE TOP EDGE OF THE GLAZING IS GREATER THAN 36 INCHES ABOVE THE FLOOR ONE OR MORE WALKING SURFACES ARE WITHIN 36 INCHES, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING.
INDIVIDUAL PANES ARE LESS THAN 9 SQ FT, SILL IS >18", HEAD IS >36" --> NONHAZARDOUS

2018 IECC
R501.6 HISTORIC BUILDINGS
PROVISIONS OF THIS CODE RELATING TO THE CONSTRUCTION, REPAIR, ALTERATION, RESTORATION AND MOVEMENT OF STRUCTURES, AND CHANGE OF OCCUPANCY SHALL NOT BE MANDATORY FOR HISTORIC BUILDINGS PROVIDED THAT A REPORT HAS BEEN A SUBMITTED TO THE CODE OFFICIAL AND SIGNED BY THE OWNER, A REGISTERED DESIGN PROFESSIONAL, OR A REPRESENTATIVE OF THE STATE HISTORIC PRESERVATION OFFICE OR THE HISTORIC PRESERVATION AUTHORITY HAVING JURISDICTION , DEMONSTRATING THAT COMPLIANCE WITH THE PROVISION WOULD THREATEN, DEGRADE OR DESTROY THE HISTORIC FORM, FABRIC OR FUNCTION OF THE BUILDING.

NEED TO DOCUMENT THIS.

2021 IPC
102.6 HISTORIC BUILDINGS
THE PROVISIONS OF THIS CODE RELATING TO THE CONSTRUCTION, ALTERATION, REPAIR, ENLARGEMENT, RESTORATION, RELOCATION OR MOVING OF BUILDINGS OR STRUCTURES SHALL NOT BE MANDATORY FOR EXISTING BUILDINGS OR STRUCTURES IDENTIFIED AND CLASSIFIED BY THE STATE OR LOCAL JURISDICTION AS HISTORIC BUILDINGS WHERE SUCH BUILDINGS OR STRUCTURES ARE JUDGED BY THE CODE OFFICIAL TO BE SAFE AND IN THE PUBLIC INTEREST OF HEALTH, SAFETY AND WELFARE REGARDING ANY PROPOSED CONSTRUCTION, ALTERATION, REPAIR, ENLARGEMENT, RESTORATION, RELOCATION OR MOVING OF BUILDINGS

CONFIRM WITH CODE OFFICIAL.

NFPA 101 2018

43.10 HISTORIC BUILDINGS

43.10.1 GENERAL REQUIREMENTS
HISTORIC BUILDINGS UNDERGOING REHABILITATION SHALL COMPLY WITH THE REQUIREMENTS OF ONE OF THE FOLLOWING:

SECTION 43.10

SECTIONS 43.3, 43.4, 43.5, 43.6, AND 43.7, AS THEY RELATE, RESPECTIVELY, TO REPAIR, RENOVATION, MODIFICATION, RECONSTRUCTION, AND CHANGE OF USE OR OCCUPANCY CLASSIFICATION

NFPA 914, CODE FOR FIRE PROTECTION OF HISTORIC STRUCTURES

43.10.2 EVALUATION

A HISTORIC BUILDING UNDERGOING MODIFICATION, RECONSTRUCTION, OR CHANGE OF OCCUPANCY CLASSIFICATION IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 43 SHALL BE INVESTIGATED AND EVALUATED AS FOLLOWS:

A WRITTEN REPORT SHALL BE PREPARED FOR SUCH A BUILDING AND FILED WITH THE AUTHORITY HAVING JURISDICTION BY A REGISTERED DESIGN PROFESSIONAL. IF THE SUBJECT MATTER OF THE REPORT DOES NOT REQUIRE AN EVALUATION BY A REGISTERED DESIGN PROFESSIONAL, THE AUTHORITY HAVING JURISDICTION SHALL BE PERMITTED TO ALLOW THE REPORT TO BE PREPARED BY A LICENSED BUILDING CONTRACTOR, ELECTRICIAN, PLUMBER, OR MECHANICAL CONTRACTOR RESPONSIBLE FOR THE WORK. THE LICENSED PERSON PREPARING THE REPORT SHALL BE KNOWLEDGEABLE IN HISTORIC PRESERVATION, OR THE REPORT SHALL BE COAUTHORED BY A PRESERVATION PROFESSIONAL. THE REPORT SHALL IDENTIFY EACH REQUIRED SAFETY FEATURE IN COMPLIANCE WITH CHAPTER 43 AND WHERE COMPLIANCE WITH OTHER CHAPTERS OF THIS CODE WOULD BE DAMAGING TO THE CONTRIBUTING HISTORIC FEATURES.

THE REPORT SHALL DESCRIBE EACH FEATURE NOT IN COMPLIANCE WITH THIS CODE AND DEMONSTRATE HOW THE INTENT OF THIS CODE IS MET IN PROVIDING AN EQUIVALENT LEVEL OF SAFETY.

THE LOCAL PRESERVATION OFFICIAL SHALL BE PERMITTED TO REVIEW AND COMMENT ON THE WRITTEN REPORT OR SHALL BE PERMITTED TO REQUEST REVIEW COMMENTS ON THE REPORT FROM THE HISTORIC PRESERVATION OFFICER.

UNLESS IT IS DETERMINED BY THE AUTHORITY HAVING JURISDICTION THAT A REPORT IS REQUIRED TO PROTECT THE HEALTH AND SAFETY OF THE PUBLIC, THE SUBMISSION OF A REPORT SHALL NOT BE REQUIRED FOR A BUILDING THAT IS BEING REHABILITATED FOR THE PERSONAL USE OF THE OWNER OR A MEMBER OF THE OWNER'S IMMEDIATE FAMILY AND IS NOT INTENDED FOR ANY USE OR OCCUPANCY BY THE PUBLIC.

43.10.3 REPAIRS

REPAIRS TO ANY PORTION OF A HISTORIC BUILDING SHALL BE PERMITTED TO BE MADE WITH ORIGINAL OR LIKE MATERIALS AND ORIGINAL METHODS OF CONSTRUCTION, EXCEPT AS OTHERWISE PROVIDED IN SECTION 43.10.

43.10.4 REPAIR, RENOVATION, MODIFICATION, OR RECONSTRUCTION

43.10.4.1 GENERAL
HISTORIC BUILDINGS UNDERGOING REPAIR, RENOVATION, MODIFICATION, OR RECONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF SECTIONS 43.3, 43.4, 43.5, AND 43.6, EXCEPT AS SPECIFICALLY PERMITTED IN 43.10.4.

43.10.4.2 REPLACEMENT
REPLACEMENTS SHALL MEET THE FOLLOWING CRITERIA:

REPLACEMENT OF EXISTING OR MISSING FEATURES USING ORIGINAL OR LIKE MATERIALS SHALL BE PERMITTED.

PARTIAL REPLACEMENT FOR REPAIRS THAT MATCH THE ORIGINAL IN CONFIGURATION, HEIGHT, AND SIZE SHALL BE PERMITTED.

REPLACEMENTS SHALL NOT BE REQUIRED TO MEET THE REQUIREMENTS OF THIS CODE THAT SPECIFY MATERIAL STANDARDS, DETAILS OF INSTALLATION AND CONNECTION, JOINTS, OR PENETRATIONS; OR CONTINUITY OF ANY ELEMENT, COMPONENT, OR SYSTEM IN THE BUILDING.

43.10.4.3 MEANS OF EGRESS
EXISTING DOOR OPENINGS, WINDOW OPENINGS INTENDED FOR EMERGENCY EGRESS, AND CORRIDOR AND STAIRWAY WIDTHS NARROWER THAN THOSE REQUIRED FOR NONHISTORIC BUILDINGS UNDER THIS CODE SHALL BE PERMITTED, PROVIDED THAT ONE OF THE FOLLOWING CRITERIA IS MET:

IN THE OPINION OF THE AUTHORITY HAVING JURISDICTION, SUFFICIENT WIDTH AND HEIGHT EXISTS FOR A PERSON TO PASS THROUGH THE OPENING OR TRAVERSE THE EXIT, AND THE CAPACITY OF THE EGRESS SYSTEM IS ADEQUATE FOR THE OCCUPANT LOAD.

OTHER OPERATIONAL CONTROLS TO LIMIT THE NUMBER OF OCCUPANTS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

43.10.4.4 DOOR SWING
WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION, EXISTING FRONT DOORS SHALL NOT BE REQUIRED TO SWING IN THE DIRECTION OF EGRESS TRAVEL, PROVIDED THAT OTHER APPROVED EXITS HAVE SUFFICIENT EGRESS CAPACITY TO SERVE THE TOTAL OCCUPANT LOAD.

43.10.4.5 TRANSOMS
IN FULLY SPRINKLERED BUILDINGS OF HOTEL AND DORMITORY OCCUPANCIES, APARTMENT OCCUPANCIES, AND RESIDENTIAL BOARD AND CARE OCCUPANCIES, EXISTING TRANSOMS IN CORRIDORS AND OTHER FIRE RESISTANCE-RATED WALLS SHALL BE PERMITTED TO REMAIN IN USE, PROVIDED THAT THE TRANSOMS ARE FIXED IN THE CLOSED POSITION.

43.10.4.6 INTERIOR FINISHES

43.10.4.6.1
EXISTING INTERIOR WALL AND CEILING FINISHES, IN OTHER THAN EXITS, SHALL BE PERMITTED TO REMAIN IN PLACE WHERE IT IS DEMONSTRATED THAT SUCH FINISHES ARE THE HISTORIC FINISH.

43.10.4.6.2
INTERIOR WALL AND CEILING FINISHES IN EXITS, OTHER THAN IN ONE- AND TWO-FAMILY DWELLINGS, SHALL MEET ONE OF THE FOLLOWING CRITERIA:

THE MATERIAL SHALL BE CLASS A, CLASS B, OR CLASS C IN ACCORDANCE WITH SECTION 10.2 OF THIS CODE.

EXISTING MATERIALS NOT MEETING THE MINIMUM CLASS C FLAME SPREAD INDEX SHALL BE SURFACED WITH AN APPROVED FIRE-RETARDANT PAINT OR FINISH.

EXISTING MATERIALS NOT MEETING THE MINIMUM CLASS C FLAME SPREAD INDEX SHALL BE PERMITTED TO BE CONTINUED IN USE, PROVIDED THAT THE BUILDING IS PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM.

FEMA RECOVERY INTERIM POLICY FP-104-009-11 VERSION 2.1

B. IMPLEMENTATION
3. FEMA may deviate from this interim policy in circumstances where utilization of the consensus based code, specification or standard is technically infeasible; would create an extraordinary burden on the applicant; or would otherwise be inappropriate for the facility, such as adversely affecting a facility that has been listed or is eligible to be listed on the National Register of Historic Places.

ADVERSE EFFECTS WOULD TRIGGER EXEMPTION.

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43.10.4.7 STAIRWAY ENCLOSURE

43.10.4.7.1

STAIRWAYS SHALL BE PERMITTED TO BE UNENCLOSED IN A HISTORIC BUILDING WHERE SUCH STAIRWAYS SERVE ONLY ONE ADJACENT FLOOR.

43.10.4.7.2

IN BUILDINGS OF THREE OR FEWER STORIES IN HEIGHT, EXIT ENCLOSURE CONSTRUCTION SHALL LIMIT THE SPREAD OF SMOKE BY THE USE OF TIGHT-FITTING DOORS AND SOLID ELEMENTS; HOWEVER, SUCH ELEMENTS SHALL NOT BE REQUIRED TO HAVE A FIRE RATING.

43.10.4.8 ONE-HOUR FIRE-RATED ASSEMBLIES

EXISTING WALLS AND CEILINGS SHALL BE EXEMPT FROM THE MINIMUM 1-HOUR FIRE RESISTANCE-RATED CONSTRUCTION REQUIREMENTS OF OTHER SECTIONS OF THIS CODE WHERE THE EXISTING WALL AND CEILING ARE OF WOOD LATH AND PLASTER CONSTRUCTION IN GOOD CONDITION.

43.10.4.9 STAIRWAY HANDRAILS AND GUARDS

43.10.4.9.1

EXISTING GRAND STAIRWAYS SHALL BE EXEMPT FROM THE HANDRAIL AND GUARD REQUIREMENTS OF OTHER SECTIONS OF THIS CODE.

43.10.4.9.2

EXISTING HANDRAILS AND GUARDS ON GRAND STAIRCASES SHALL BE PERMITTED TO REMAIN IN USE, PROVIDED THAT THEY ARE NOT STRUCTURALLY DANGEROUS.

43.10.4.10 EXIT SIGNS

THE AUTHORITY HAVING JURISDICTION SHALL BE PERMITTED TO ACCEPT ALTERNATIVE EXIT SIGN OR DIRECTIONAL EXIT SIGN LOCATION, PROVIDED THAT SIGNS INSTALLED IN COMPLIANCE WITH OTHER SECTIONS OF THIS CODE WOULD HAVE AN ADVERSE EFFECT ON THE HISTORIC CHARACTER AND SUCH ALTERNATIVE SIGNS IDENTIFY THE EXITS AND EGRESS PATH.

43.10.4.11 SPRINKLER SYSTEMS

43.10.4.11.1

HISTORIC BUILDINGS THAT DO NOT CONFORM TO THE CONSTRUCTION REQUIREMENTS SPECIFIED IN OTHER CHAPTERS OF THIS CODE FOR THE APPLICABLE OCCUPANCY OR USE AND THAT, IN THE OPINION OF THE AUTHORITY HAVING JURISDICTION, CONSTITUTE A FIRE SAFETY HAZARD SHALL BE PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM.

43.10.4.11.2

THE AUTOMATIC SPRINKLER SYSTEM REQUIRED BY 43.10.4.11.1 SHALL NOT BE USED AS A SUBSTITUTE FOR, OR SERVE AS AN ALTERNATIVE TO, THE REQUIRED NUMBER OF EXITS FROM THE FACILITY.

43.10.5 CHANGE OF OCCUPANCY

43.10.5.1 GENERAL

HISTORIC BUILDINGS UNDERGOING A CHANGE OF OCCUPANCY SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF SECTION 43.7, EXCEPT AS OTHERWISE PERMITTED BY 43.10.5.

43.10.5.2 MEANS OF EGRESS

EXISTING DOOR OPENINGS, WINDOW OPENINGS INTENDED FOR EMERGENCY EGRESS, AND CORRIDOR AND STAIRWAY WIDTHS NARROWER THAN THOSE REQUIRED FOR NONHISTORIC BUILDINGS UNDER THIS CODE SHALL BE PERMITTED, PROVIDED THAT ONE OF THE FOLLOWING CRITERIA IS MET:
IN THE OPINION OF THE AUTHORITY HAVING JURISDICTION, SUFFICIENT WIDTH AND HEIGHT EXISTS FOR A PERSON TO PASS THROUGH THE OPENING OR TRAVERSE THE EXIT, AND THE CAPACITY OF THE EGRESS SYSTEM IS ADEQUATE FOR THE OCCUPANT LOAD.
OTHER OPERATIONAL CONTROLS TO LIMIT THE NUMBER OF OCCUPANTS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

43.10.5.3 DOOR SWING

WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION, EXISTING FRONT DOORS SHALL NOT BE REQUIRED TO SWING IN THE DIRECTION OF EGRESS TRAVEL, PROVIDED THAT OTHER APPROVED EXITS HAVE SUFFICIENT CAPACITY TO SERVE THE TOTAL OCCUPANT LOAD.

43.10.5.4 TRANSOMS

IN CORRIDOR WALLS REQUIRED TO BE FIRE RATED BY THIS CODE, EXISTING TRANSOMS SHALL BE PERMITTED TO REMAIN IN USE, PROVIDED THAT THE TRANSOMS ARE FIXED IN THE CLOSED POSITION AND ONE OF THE FOLLOWING CRITERIA IS MET:
AN AUTOMATIC SPRINKLER SHALL BE INSTALLED ON EACH SIDE OF THE TRANSOM.
FIXED WIRED GLASS SET IN A STEEL FRAME OR OTHER APPROVED GLAZING SHALL BE INSTALLED ON ONE SIDE OF THE TRANSOM.

43.10.5.5 INTERIOR FINISHES

EXISTING INTERIOR WALL AND CEILING FINISHES SHALL MEET ONE OF THE FOLLOWING CRITERIA:
THE MATERIAL SHALL COMPLY WITH THE REQUIREMENTS FOR FLAME SPREAD INDEX OF OTHER SECTIONS OF THIS CODE APPLICABLE TO THE OCCUPANCY.
MATERIALS NOT COMPLYING WITH 43.10.5.5(1) SHALL BE PERMITTED TO BE SURFACED WITH AN APPROVED FIRE-RETARDANT PAINT OR FINISH.
MATERIALS NOT COMPLYING WITH 43.10.5.5(1) SHALL BE PERMITTED TO BE CONTINUED IN USE, PROVIDED THAT THE BUILDING IS PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM, AND THE NONCONFORMING MATERIALS ARE SUBSTANTIATED AS BEING HISTORIC IN CHARACTER.

43.10.5.6 ONE-HOUR FIRE-RATED ASSEMBLIES

EXISTING WALLS AND CEILINGS SHALL BE EXEMPT FROM THE MINIMUM 1-HOUR FIRE RESISTANCE-RATED CONSTRUCTION REQUIREMENTS OF OTHER SECTIONS OF THIS CODE WHERE THE EXISTING WALL AND CEILING ARE OF WOOD LATH AND PLASTER CONSTRUCTION IN GOOD CONDITION.

43.10.5.7 STAIRS AND HANDRAILS

43.10.5.7.1

EXISTING STAIRS AND HANDRAILS SHALL COMPLY WITH THE REQUIREMENTS OF THIS CODE, UNLESS OTHERWISE SPECIFIED IN 43.10.5.7.2.

43.10.5.7.2

THE AUTHORITY HAVING JURISDICTION SHALL BE PERMITTED TO ACCEPT ALTERNATIVES FOR GRAND STAIRWAYS AND ASSOCIATED HANDRAILS WHERE THE ALTERNATIVES ARE APPROVED AS MEETING THE INTENT OF THIS CODE.

43.10.5.8 EXIT SIGNS

THE AUTHORITY HAVING JURISDICTION SHALL BE PERMITTED TO ACCEPT ALTERNATIVE EXIT SIGN OR DIRECTIONAL EXIT SIGN LOCATION, PROVIDED THAT SIGNS INSTALLED IN COMPLIANCE WITH OTHER SECTIONS OF THIS CODE WOULD HAVE AN ADVERSE EFFECT ON THE HISTORIC CHARACTER AND SUCH ALTERNATIVE SIGNS IDENTIFY THE EXITS AND EGRESS PATH.

43.10.5.9 EXIT STAIR LIVE LOAD

EXISTING HISTORIC STAIRWAYS IN BUILDINGS CHANGED TO HOTEL AND DORMITORY OCCUPANCIES AND APARTMENT OCCUPANCIES SHALL BE PERMITTED TO BE CONTINUED IN USE, PROVIDED THAT THE STAIRWAY CAN SUPPORT A 75 LB/FT2 (3600 N/M2) LIVE LOAD.
ANALYZING CODE DIFFERENCES

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL: GERALD DAVID HEBERT II REG. No. 4118 STATE OF LOUISIANA REGISTERED ARCHITECT

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

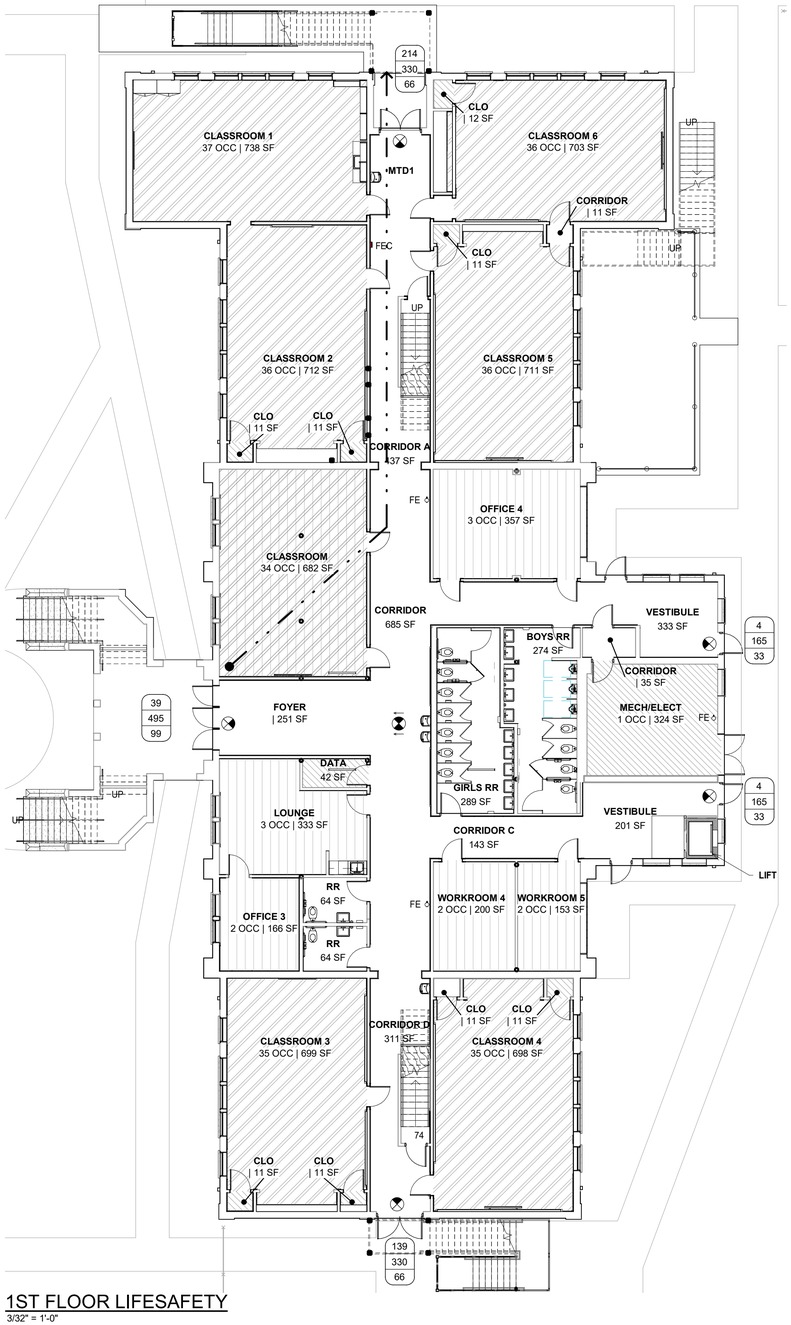
No.	Description	Date

DATE 08/23/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

CODE REVIEW

OCCUPANCY

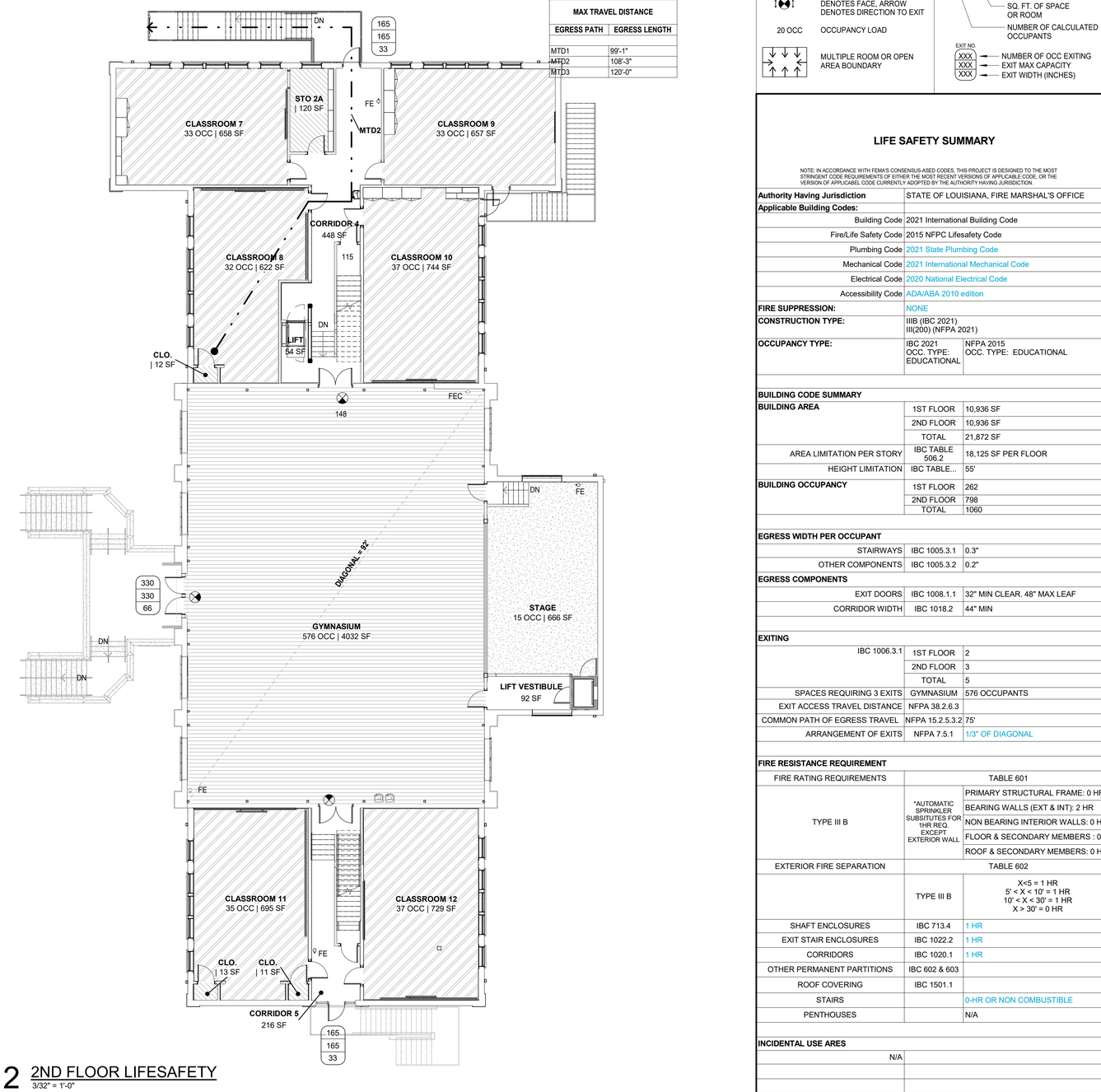
- (none)
- Accessory Storage Areas, Mechanical Equipment Room
- Business Areas
- Educational Classroom area



1 1ST FLOOR LIFESAFETY
3/32" = 1'-0"

OCCUPANCY

- (none)
- Accessory Storage Areas, Mechanical Equipment Room
- Assembly Concentrated (chairs only - not fixed)
- Educational Classroom area
- Stages and Performances



MAX TRAVEL DISTANCE	
EGRESS PATH	EGRESS LENGTH
MTD1	99'-1"
MTD2	108'-3"
MTD3	120'-0"

2 2ND FLOOR LIFESAFETY
3/32" = 1'-0"

LIFE SAFETY GENERAL NOTES

1. REFER TO A100 SERIES SHEETS FOR RATED AND NON-RATED PARTITION TYPES
2. REFER T0 THE MECHANICAL DRAWINGS FOR FIRE DAMPER AND/OR FIRE/ SMOKE DAMPER LOCATIONS
3. REFER TO THE ELECTRICAL DRAWINGS FOR EMERGENCY ILLUMINATION AND ALL FIRE ALARM DEVICES
4. ALL DOOR HARDWARE SHALL MEET OR EXCEED ALL APPLICABLE CODES
5. PROVIDE FIRE EXTINGUISHERS AS SHOWN ON PLANS AND/ OR AS DIRECTED BY THE FIRE MARSHAL'S OFFICE
6. REFER TO T005 FOR PARTITION TYPES AND RATED WALL DETAILS.

LIFE SAFETY LEGEND

- 1 HOUR FIRE PARTITION
- 2 HOUR FIRE PARTITION
- SMOKE PARTITION
- 1 HOUR RATED FIRE/SMOKE BARRIER
- 2 HOUR RATED FIRE/SMOKE BARRIER
- COMMON PATH OF TRAVEL (CPT)
- TRAVEL PATH (MTD)
- GREATEST DIAGONAL DISTANCE (GDD)
- EXIT SEPARATION DISTANCE
- CPT X-X — CPT TAG; CPT PATH # / MTD PATH #
- MTD X — MTD TAG; MTD PATH #
- FEC — FIRE EXTINGUISHER CABINET
- EXIT SIGN - SHADED SIDE DENOTES FACE, ARROW DENOTES DIRECTION TO EXIT
- 20 OCC — OCCUPANCY LOAD
- MULTIPLE ROOM OR OPEN AREA BOUNDARY
- ROOM # OCC | AREA — ROOM NAME; SQ. FT. OF SPACE OR ROOM; NUMBER OF CALCULATED OCCUPANTS
- EXIT NO. XXX — NUMBER OF OCC EXITING; EXIT MAX CAPACITY; EXIT WIDTH (INCHES)

LIFE SAFETY SUMMARY

NOTE: IN ACCORDANCE WITH FEMA'S CONSENSUS-ASED CODES, THIS PROJECT IS DESIGNED TO THE MOST STRINGENT CODE REQUIREMENTS OF EITHER THE MOST RECENT VERSIONS OF APPLICABLE CODE, OR THE VERSION OF APPLICABEL CODE CURRENTLY ADOPTED BY THE AUTHORITY HAVING JURISDICTION.

Authority Having Jurisdiction	STATE OF LOUISIANA, FIRE MARSHAL'S OFFICE	
Applicable Building Codes:		
Building Code	2021 International Building Code	
Fire/Life Safety Code	2015 NFPC Lifesafety Code	
Plumbing Code	2021 State Plumbing Code	
Mechanical Code	2021 International Mechanical Code	
Electrical Code	2020 National Electrical Code	
Accessibility Code	ADA/ABA 2010 edition	
FIRE SUPPRESSION:	NONE	
CONSTRUCTION TYPE:	IIIB (IBC 2021) III(200) (NFPA 2021)	
OCCUPANCY TYPE:	IBC 2021 OCC. TYPE: EDUCATIONAL	NFPA 2015 OCC. TYPE: EDUCATIONAL
BUILDING CODE SUMMARY		
BUILDING AREA	1ST FLOOR	10,936 SF
	2ND FLOOR	10,936 SF
	TOTAL	21,872 SF
AREA LIMITATION PER STORY	IBC TABLE 506.2	18,125 SF PER FLOOR
HEIGHT LIMITATION	IBC TABLE...	55'
BUILDING OCCUPANCY	1ST FLOOR	262
	2ND FLOOR	798
	TOTAL	1060
EGRESS WIDTH PER OCCUPANT		
STAIRWAYS	IBC 1005.3.1	0.3"
OTHER COMPONENTS	IBC 1005.3.2	0.2"
EGRESS COMPONENTS		
EXIT DOORS	IBC 1008.1.1	32" MIN CLEAR, 48" MAX LEAF
CORRIDOR WIDTH	IBC 1018.2	44" MIN
EXITING		
IBC 1006.3.1	1ST FLOOR	2
	2ND FLOOR	3
	TOTAL	5
SPACES REQUIRING 3 EXITS	GYMNASIUM	576 OCCUPANTS
EXIT ACCESS TRAVEL DISTANCE	NFPA 38.2.6.3	
COMMON PATH OF EGRESS TRAVEL	NFPA 15.2.5.3.2	75'
ARRANGEMENT OF EXITS	NFPA 7.5.1	1/3" OF DIAGONAL
FIRE RESISTANCE REQUIREMENT		
FIRE RATING REQUIREMENTS	TABLE 601	
TYPE III B	*AUTOMATIC SPRINKLER SUBSITUTES FOR 1HR REQ. EXCEPT EXTERIOR WALL	PRIMARY STRUCTURAL FRAME: 0 HR*
		BEARING WALLS (EXT & INT): 2 HR
		NON BEARING INTERIOR WALLS: 0 HR
		FLOOR & SECONDARY MEMBERS : 0...
		ROOF & SECONDARY MEMBERS: 0 HR*
EXTERIOR FIRE SEPARATION	TABLE 602	
	TYPE III B	X<5 = 1 HR 5' < X < 10' = 1 HR 10' < X < 30' = 1 HR X > 30' = 0 HR
SHAFT ENCLOSURES	IBC 713.4	1 HR
EXIT STAIR ENCLOSURES	IBC 1022.2	1 HR
CORRIDORS	IBC 1020.1	1 HR
OTHER PERMANENT PARTITIONS	IBC 602 & 603	
ROOF COVERING	IBC 1501.1	
STAIRS		0-HR OR NON COMBUSTIBLE
PENTHOUSES		N/A
INCIDENTAL USE ARES		
N/A		

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/23/2024

PHASE BID DOCUMENTS

ISSUED FOR

PROJECT NO. 3221105

LIFE SAFETY PLAN - FIRST AND SECOND FLOOR

sheet number

LS101

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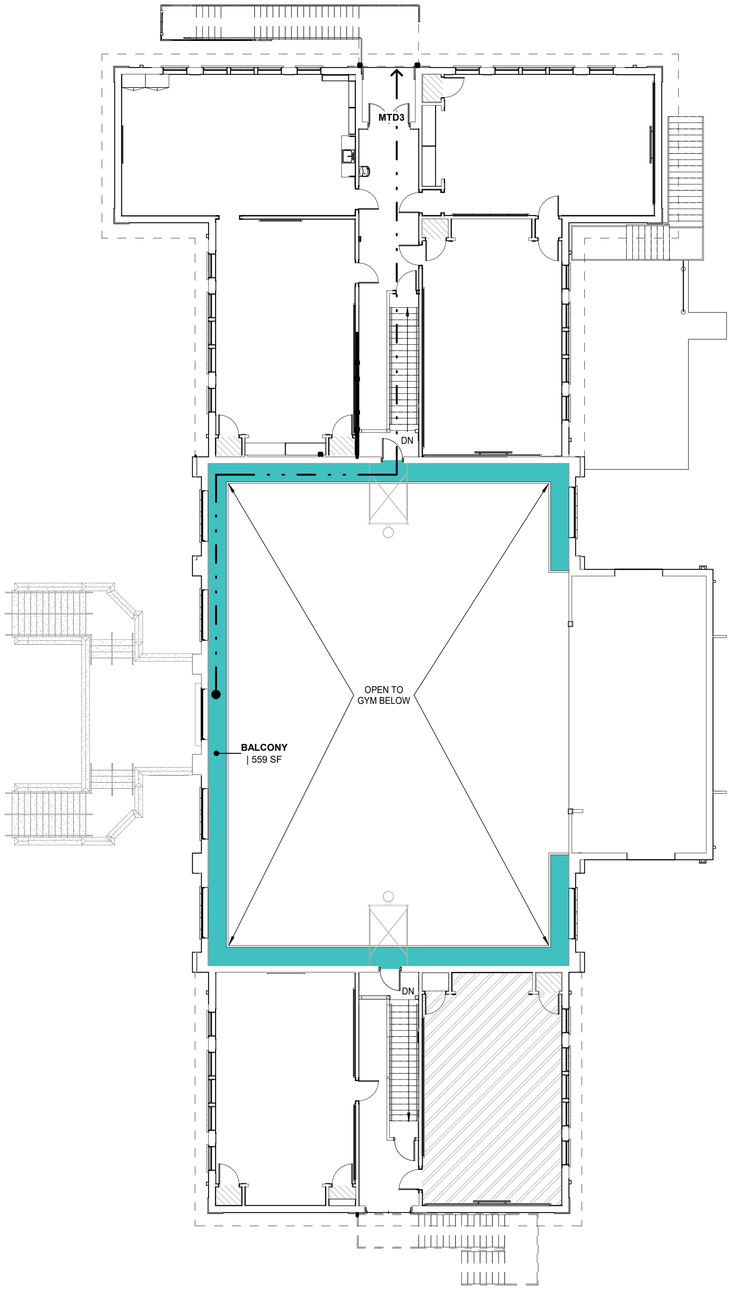
OCCUPANCY

- (none)
- Accessory Storage Areas, Mechanical Equipment Room
- Assembly Standing Space
- Educational Classroom area



1 BALCONY LIFESAFETY
3/32" = 1'-0"

LIFE SAFETY GENERAL NOTES

1. REFER TO A100 SERIES SHEETS FOR RATED AND NON-RATED PARTITION TYPES
2. REFER T0 THE MECHANICAL DRAWINGS FOR FIRE DAMPER AND/OR FIRE/ SMOKE DAMPER LOCATIONS
3. REFER TO THE ELECTRICAL DRAWINGS FOR EMERGENCY ILLUMINATION AND ALL FIRE ALARM DEVICES
4. ALL DOOR HARDWARE SHALL MEET OR EXCEED ALL APPLICABLE CODES
5. PROVIDE FIRE EXTINGUISHERS AS SHOWN ON PLANS AND/ OR AS DIRECTED BY THE FIRE MARSHAL'S OFFICE
6. REFER TO T005 FOR PARTITION TYPES AND RATED WALL DETAILS.

MAX TRAVEL DISTANCE

EGRESS PATH	EGRESS LENGTH
MTD1	99'-1"
MTD2	108'-3"
MTD3	120'-0"

LIFE SAFETY LEGEND

- 1 HOUR FIRE PARTITION
- 2 HOUR FIRE PARTITION
- SMOKE PARTITION
- 1 HOUR RATED FIRE/SMOKE BARRIER
- 2 HOUR RATED FIRE/SMOKE BARRIER
- COMMON PATH OF TRAVEL (CPT)
- TRAVEL PATH (MTD)
- GREATEST DIAGONAL DISTANCE (GDD)
- EXIT SEPARATION DISTANCE
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- MTD X — MTD TAG; MTD PATH #
- FEC — FIRE EXTINGUISHER CABINET
- EXIT SIGN - SHADED SIDE DENOTES FACE, ARROW DENOTES DIRECTION TO EXIT
- 20 OCC — OCCUPANCY LOAD
- MULTIPLE ROOM OR OPEN AREA BOUNDARY
- ROOM / # OCC | AREA — ROOM NAME; SQ. FT. OF SPACE OR ROOM; NUMBER OF CALCULATED OCCUPANTS
- EXIT NO. XXX / XXX / XXX — NUMBER OF OCC EXITING; EXIT MAX CAPACITY; EXIT WIDTH (INCHES)

LIFE SAFETY SUMMARY

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CORRIDOR WIDTH	IBC 1018.2	44" MIN
EXITING		
IBC 1006.3.1	1ST FLOOR	2
	2ND FLOOR	3
	TOTAL	5
SPACES REQUIRING 3 EXITS	GYMNASIUM	576 OCCUPANTS
EXIT ACCESS TRAVEL DISTANCE	NFPA 38.2.6.3	
COMMON PATH OF EGRESS TRAVEL	NFPA 15.2.5.3.2	75'
ARRANGEMENT OF EXITS	NFPA 7.5.1	1/3" OF DIAGONAL
FIRE RESISTANCE REQUIREMENT		
FIRE RATING REQUIREMENTS		TABLE 601
TYPE III B	*AUTOMATIC SPRINKLER SUBSITUTES FOR 1HR REQ. EXCEPT EXTERIOR WALL	PRIMARY STRUCTURAL FRAME: 0 HR*
		BEARING WALLS (EXT & INT): 2 HR
		NON BEARING INTERIOR WALLS: 0 HR
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CORRIDORS	IBC 1020.1	1 HR
OTHER PERMANENT PARTITIONS	IBC 602 & 603	
ROOF COVERING	IBC 1501.1	
STAIRS		0-HR OR NON COMBUSTIBLE
PENTHOUSES		N/A
INCIDENTAL USE ARES		
N/A		

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL: GERALD DAVID HEBERT II, REG. No. 4118, STATE OF LOUISIANA, REGISTERED ARCHITECT

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

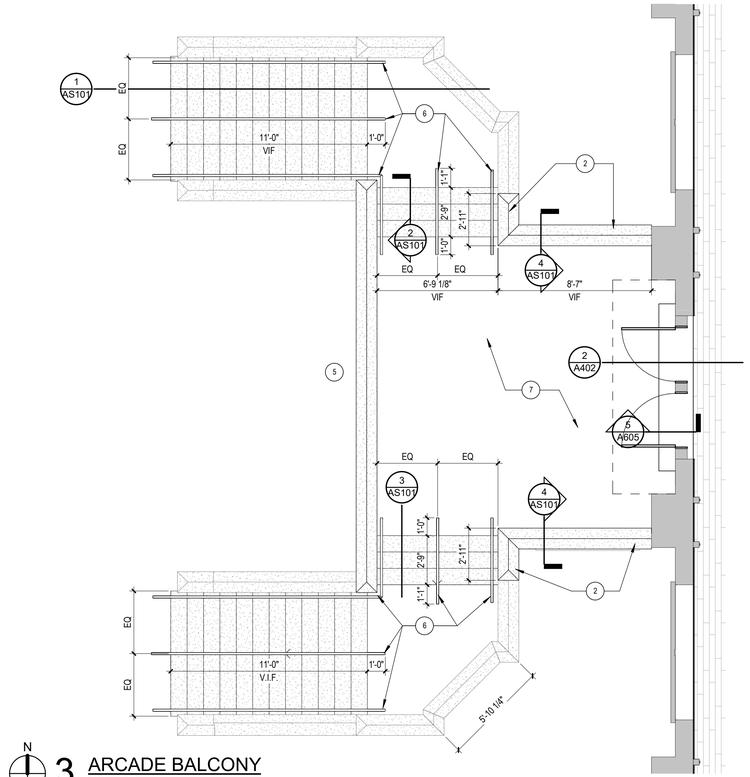
No.	Description	Date

DATE 08/23/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

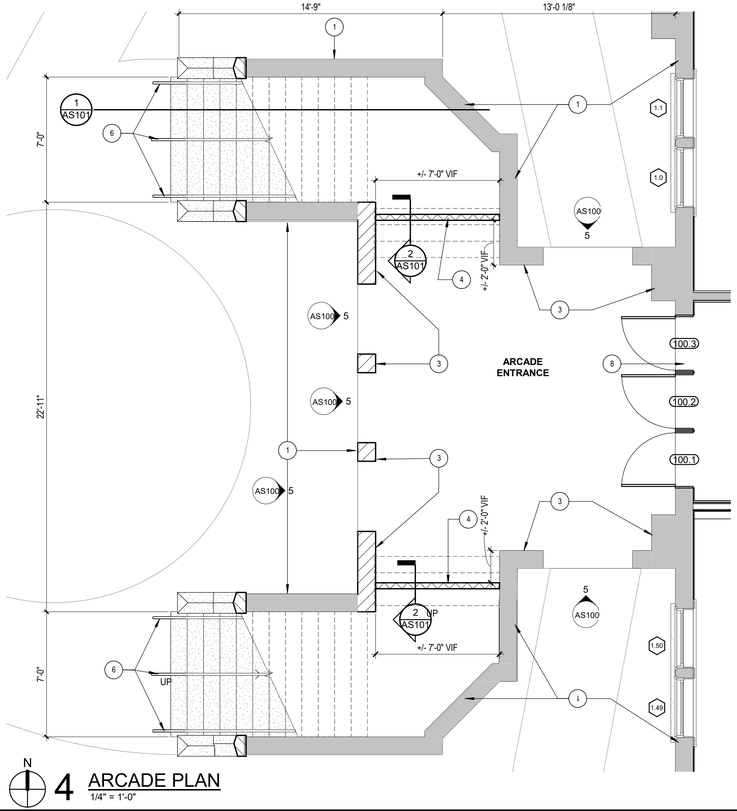
LIFE SAFETY PLAN - BALCONY

sheet number
LS102

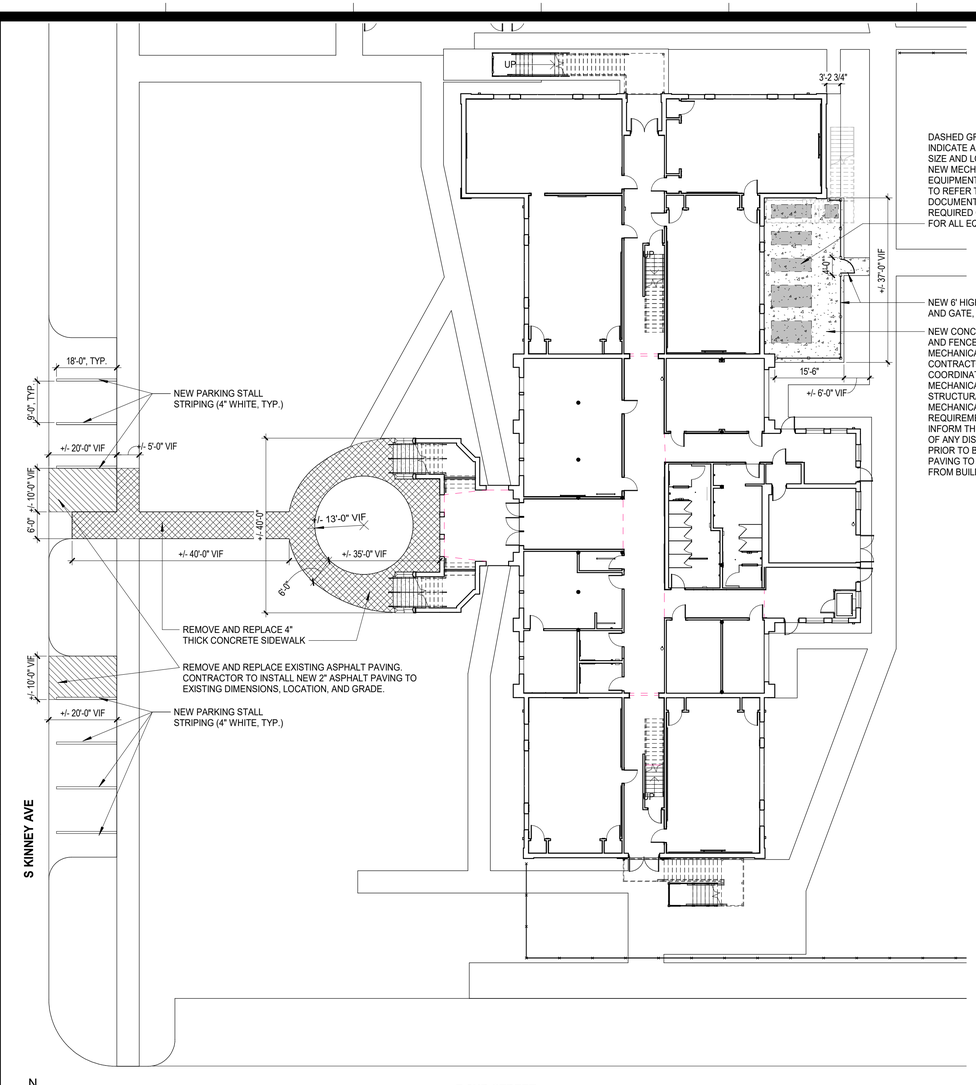
8/26/2024 8:34:07 AM



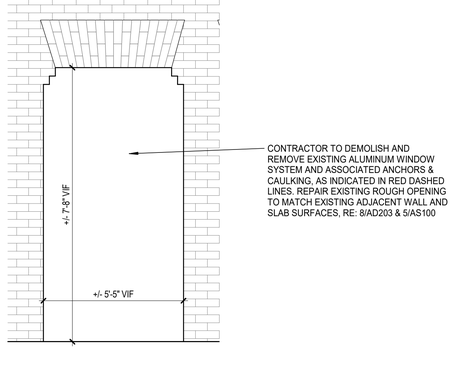
N 3 ARCADE BALCONY
1/4" = 1'-0"



N 4 ARCADE PLAN
1/4" = 1'-0"



N 1 ARCHITECTURAL SITE PLAN
1/16" = 1'-0"



CONTRACTOR TO DEMOLISH AND REMOVE EXISTING ALUMINUM WINDOW SYSTEM AND ASSOCIATED ANCHORS & CAULKING, AS INDICATED IN RED DASHED LINES. REPAIR EXISTING ROUGH OPENING TO MATCH EXISTING ADJACENT WALL AND SLAB SURFACES, RE: 8/AD203 & 5/AS100

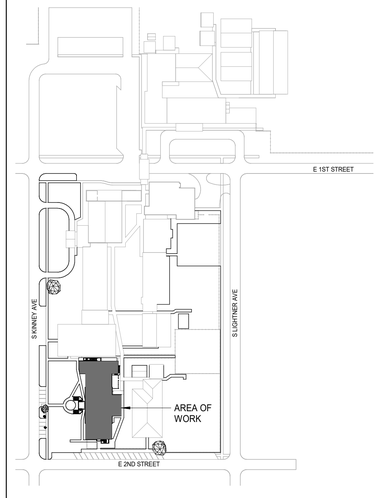
5 TYP. ARCADE OPENING
1/2" = 1'-0"

GENERAL NOTES

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION
2. REFER TO ELECRICAL PLANS FOR ADDITIONAL INFORMATION
3. DIMENSIONS SHOWN HERE ARE FOR REFERENCE ONLY. CONTRACTOR TO VERIFY FULL EXTENT OF REPAIR PRIOR TO BID. CONTRACTOR TO INSTALL NEW REPLACEMENT ASPHALT AND CONCRETE PAVING TO EXISTING DIMENSIONS, LOCATION, AND GRADE.

SITE PLAN KEYNOTES

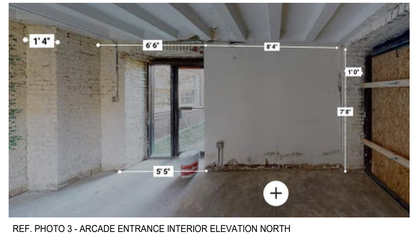
1. RE-POINT BRICK MORTAR JOINTS AFTER CLEANING PER BRICK MANUFACTURER'S WRITTEN INSTRUCTIONS. CONTRACTOR TO INCLUDE COST TO RE-POINT 50% OF THE EXTERIOR BRICK SURFACE IN BASE BID, AND PROVIDE UNIT COST FOR ADDITIONAL RE-POINTING AS DIRECTED IN SPECIFICATIONS.
2. PATCH AND REPAIR CONCRETE CAP, RE: DETAIL 4/AS101.
3. CONTRACTOR TO REMOVE PAINT FROM BRICK FACE AND CLEAN BRICK, REFER TO REFERENCE PHOTOS THIS SHEET. PROTECT BRICK FROM DAMAGE DURING PAINT REMOVAL PROCESS.
4. NEW PLASTER WALL PARTITION, RE: 2/AS101
5. CONTRACTOR TO CLEAN 100% OF EXTERIOR BRICK FACES WITH A NEAR NEUTRAL PH CARBON AND POLLUTION REMOVER, USING NO MORE THAN 450 LBS OF PRESSURE. PROTECT BRICK FROM DAMAGE DURING CLEANING, AND REPORT ANY INSTANCE OF DAMAGE TO EXISTING BRICK IMMEDIATLY.
6. NEW 1-1/2" PAINTED PIPE POSTS AND HANDRAIL, COLOR TO MATCH EXTERIOR METAL STAIR, TYP.
7. REMOVE MODIFIED BITUMEN ROOFING FROM EXISTING CONCRETE DECK AND BRICK WALLS. CLEAN, PATCH, AND REPAIR SURFACES TO MATCH EXISTING.
8. PATCH AND REPAIR CONCRETE SLAB AS REQUIRED TO INSTALL NEW DOORS. CONTRACTOR TO INCLUDE UNIT PRICE FOR 10 SF FEET OF CONCRETE SLAB REPAIR IN BASE BID. (VERIFY WITH STRUCTURAL UNIT PRICE)



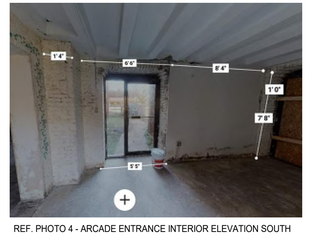
N 2 CAMPUS KEY PALN
1" = 160'-0"

REF. PHOTO 1 - ARCADE ENTRANCE INTERIOR ELEVATION WEST

REF. PHOTO 2 - ARCADE ENTRANCE INTERIOR ELEVATION EAST



REF. PHOTO 3 - ARCADE ENTRANCE INTERIOR ELEVATION NORTH



REF. PHOTO 4 - ARCADE ENTRANCE INTERIOR ELEVATION SOUTH

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:
GERALD DAVID HEBERT II REG. No. 4118 STATE OF LOUISIANA REGISTERED ARCHITECT

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

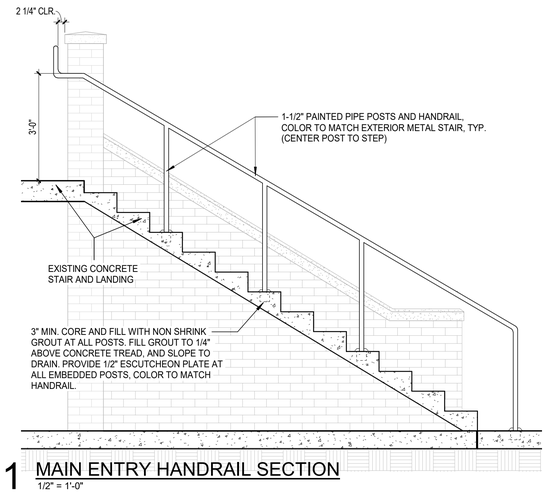
No.	Description	Date

DATE 08/23/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

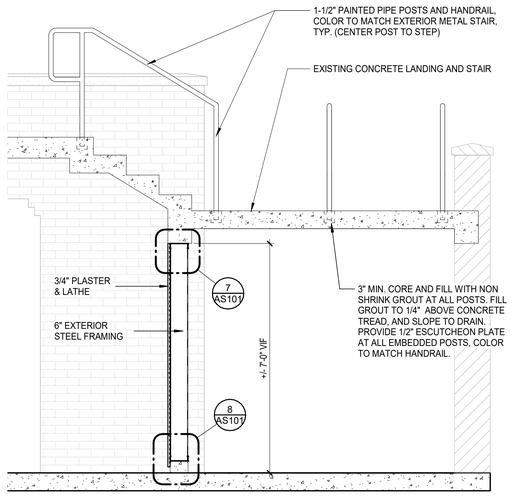
ARCHITECTURAL SITE PLAN

sheet number
AS100

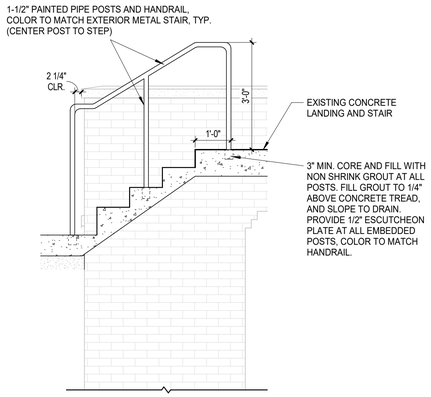
8/26/2024 8:32:36 AM



1 MAIN ENTRY HANDRAIL SECTION
1/2" = 1'-0"



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



3 MAIN ENTRY HANDRAIL DETAIL
1/2" = 1'-0"

GENERAL NOTES

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2. REFER TO ELECRICAL PLANS FOR ADDITIONAL INFORMATION
3. DIMENSIONS SHOWN HERE ARE FOR REFERENCE ONLY. CONTRACTOR TO VERIFY FULL EXTENT OF REPAIR PRIOR TO BID. CONTRACTOR TO INSTALL NEW REPLACEMENT ASPHALT AND CONCRETE PAVING TO EXISTING DIMENSIONS, LOCATION, AND GRADE.

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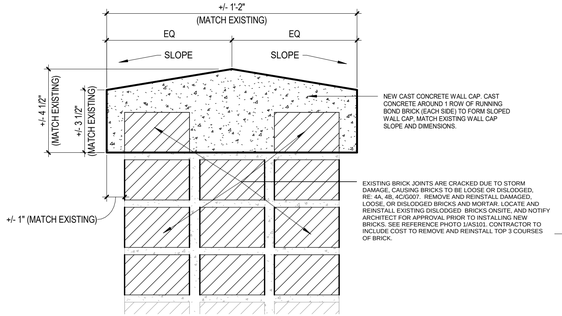
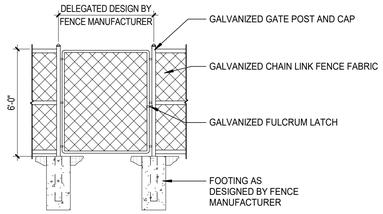
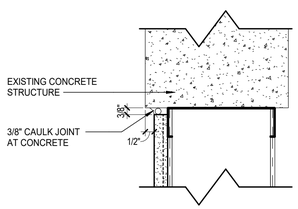


4 WALL CAP DETAIL
3" = 1'-0"

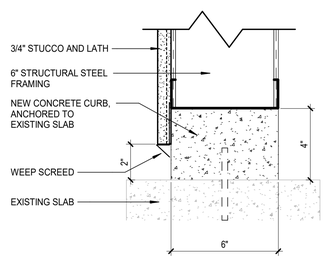
REFERENCE PHOTO 1/AS101



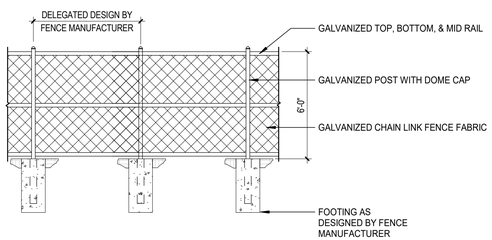
5 GATE ELEVATION DETAIL
1/4" = 1'-0"



7 HEAD DETAIL
3" = 1'-0"



8 SILL DETAIL
3" = 1'-0"



6 FENCE ELEVATION DETAIL
1/4" = 1'-0"

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GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

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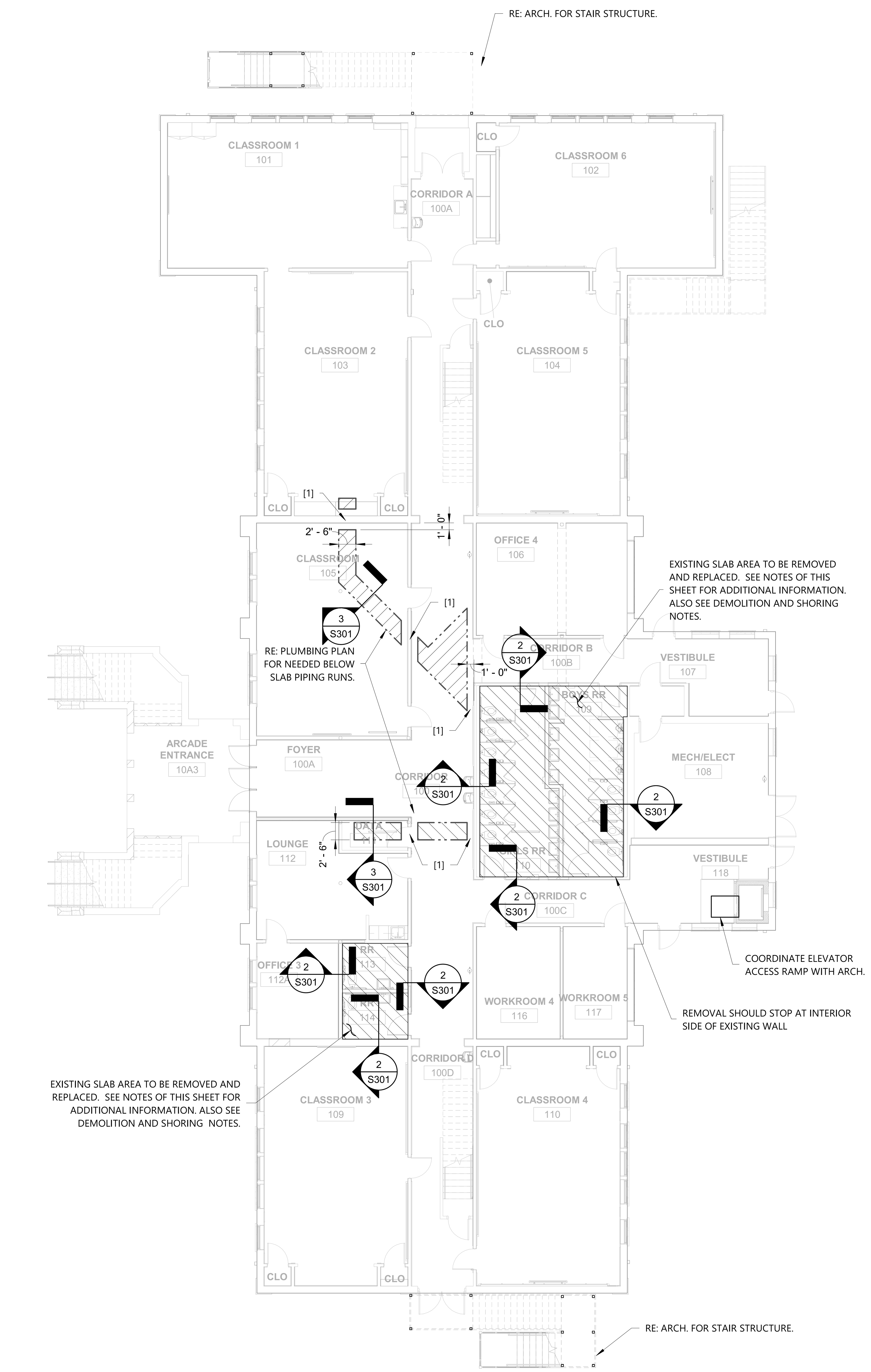
ARCHITECTURAL SITE DETAILS

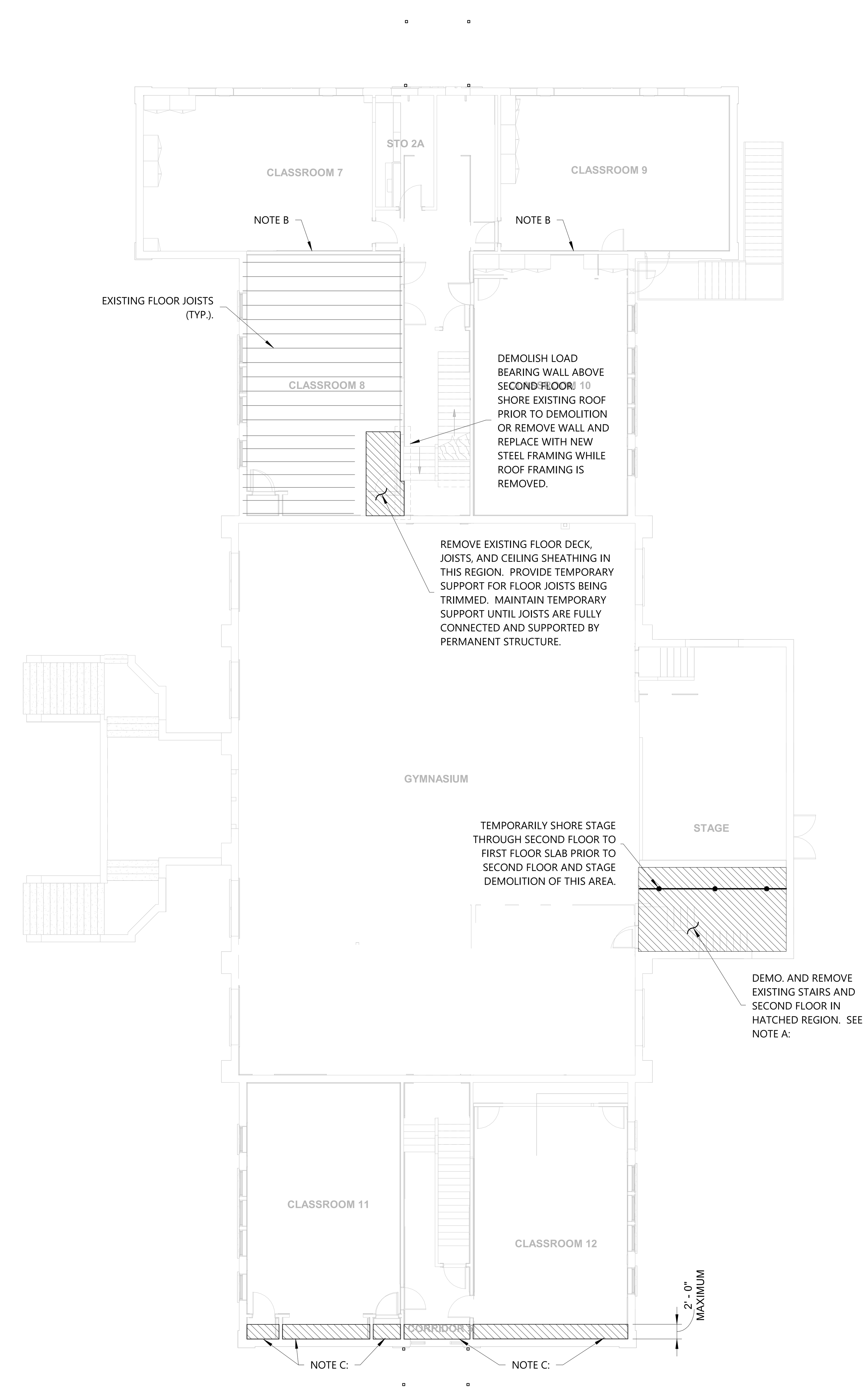
sheet number
AS101



NORTH

1 FIRST FLOOR DEMOLITION PLAN

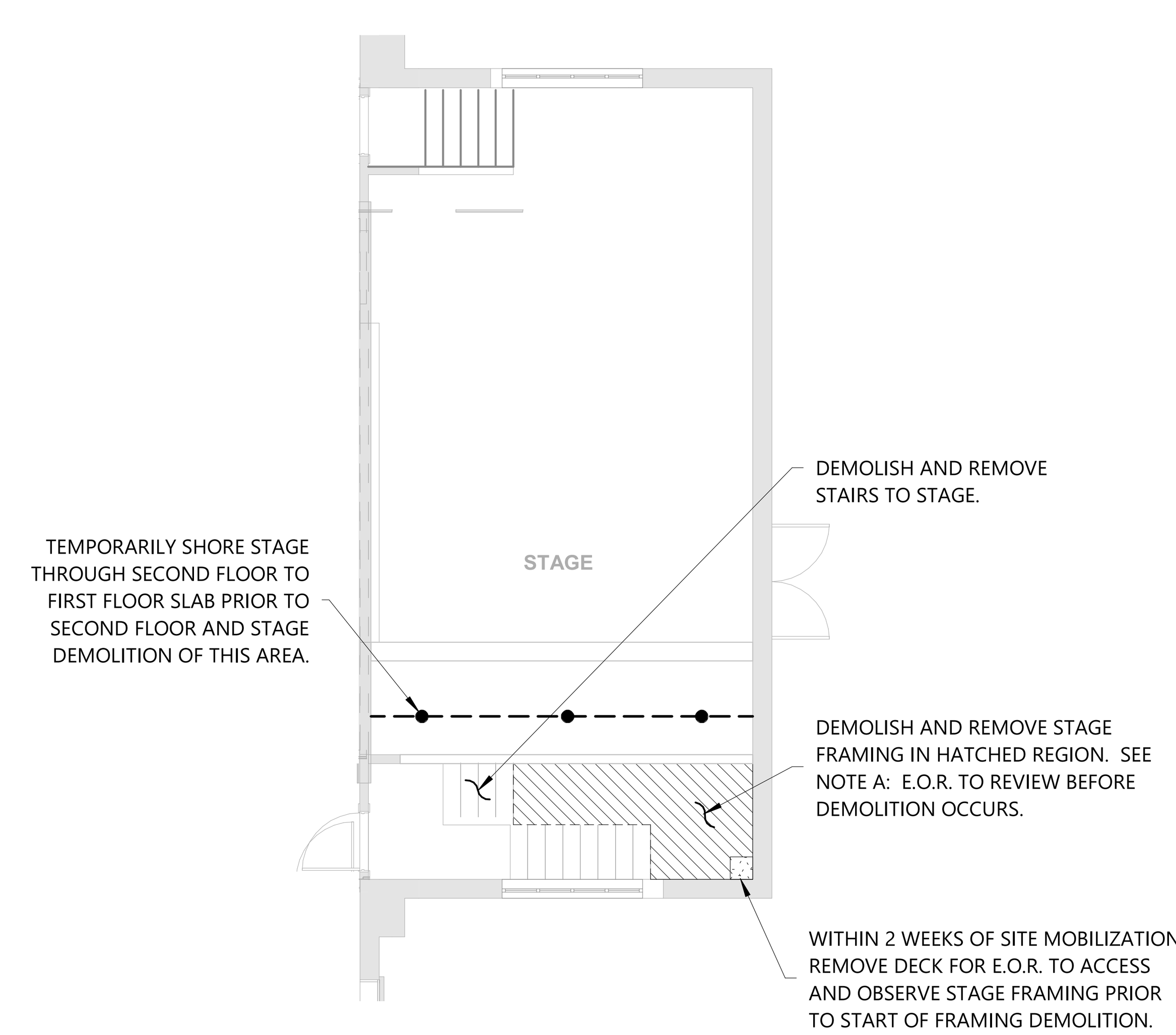
3/32" = 1'-0"



NORTH

2 SECOND FLOOR DEMOLITION PLAN

3/32" = 1'-0"



NORTH

3 SECOND FLOOR DEMOLITION PLAN

1/8" = 1'-0"

NOTE A:

OPEN UP FIRST FLOOR SOFFIT FOR E.O.R. TO REVIEW FRAMING WITHIN 2 WEEKS OF MOBILIZING ON SITE. DO NOT DEMOLISH ANY FRAMING UNTIL E.O.R. REVIEWS EXISTING FRAMING ON SITE.

NOTE B:

EXISTING WALL TO REMAIN UP TO ROOF DECK ABOVE. SEE ADDITIONAL NOTES ON SHEET SD102 IN REGARDS TO BRACING.

NOTE C:

REMOVE AND REPLACE AN 18" TO 24" WIDE STRIP OF EXISTING 1x FLOOR DECK DUE TO ROT. STOP REPLACEMENT AT CENTER OF AND EXISTING FLOOR JOIST.

DEMOLITION AND SHORING NOTES:

PRIOR TO DEMOLITION OF ANY WALLS, ALL EXISTING CEILING SHALL BE DEMOLISHED AND REMOVED, AND A/E SHALL BE CONTACTED TO REVIEW EXISTING STRUCTURE AND VERIFY ASSUMPTIONS REGARDING FRAMING OF EXISTING STRUCTURE.

THE STRUCTURAL PLANS DEPICT DEMOLITION OF ALL WALLS ASSUMED TO BE LOAD-BEARING. SEE ARCHITECTURAL DEMOLITION PLAN FOR DEMOLITION OF ALL WALLS ASSUMED TO BE NON-LOAD BEARING. VERIFY THAT ALL WALLS INDICATED TO BE DEMOLISHED ON ARCHITECTURAL PLANS THAT ARE NOT SHOWN ON STRUCTURAL PLANS ARE NON-LOAD BEARING. CONTACT A/E IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.

GENERAL CONTRACTOR IS RESPONSIBLE FOR TEMPORARY STABILITY OF EXISTING STRUCTURE UNTIL NEW CONSTRUCTION IS COMPLETE.

ALL TEMPORARY SHORING AND TEMPORARY BRACING SHALL BE DESIGNED AND PROVIDED BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL INCLUDE COST OF ALL ENGINEERING REQUIRED FOR DESIGN OF TEMPORARY SHORING AND TEMPORARY BRACING IN BASE BID.

EXISTING ROOF JOIST AND FLOOR JOIST SPACING/LOCATIONS ARE APPROXIMATE. GENERAL CONTRACTOR TO VERIFY EXACT JOIST LOCATIONS AS REQUIRED.

DO NOT DEMOLISH ANY EXISTING STRUCTURE UNLESS EXPLICITLY STATED ON STRUCTURAL DRAWINGS.

ALL DEMOLITION WORK SHALL BE PERFORMED IN A CAREFUL MANNER AS REQUIRED TO ENSURE NO DAMAGE OCCURS TO REMAINING STRUCTURE.

SLAB DEMO PLAN NOTES AND LEGEND:

▨ HATCHED AREA INDICATES SLAB REMOVAL REGIONS. FOR SLAB REMOVAL, ALL EDGES SHALL BE FULL DEPTH SAWCUT. EXISTING SLAB THICKNESS IS UNKNOWN.

SEE PLUMBING DRAWINGS FOR ALL BELOW GRADE PLUMBING THAT WILL REQUIRE TRENCHING OF THE EXISTING SLAB. NOT ALL REQUIRED TRENCHES ARE SHOWN ON THE DEMOLITION. INCLUDE ALL NECESSARY SLAB REMOVAL AND REPLACEMENT IN BASE BID.

[1] = 1'-0" STRIP OF SLAB TO REMAIN FROM FACE OF WALL SINCE INTERIOR WALL MUST REMAIN SUPPORTED. FILL UNDER EXISTING SLAB STRIP WITH LEAN CONCRETE ONLY, ONCE TRENCHING AND PLUMBING IS COMPLETE.

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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

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FIRST/SECOND FLOOR DEMOLITION PLAN

sheet number
SD101

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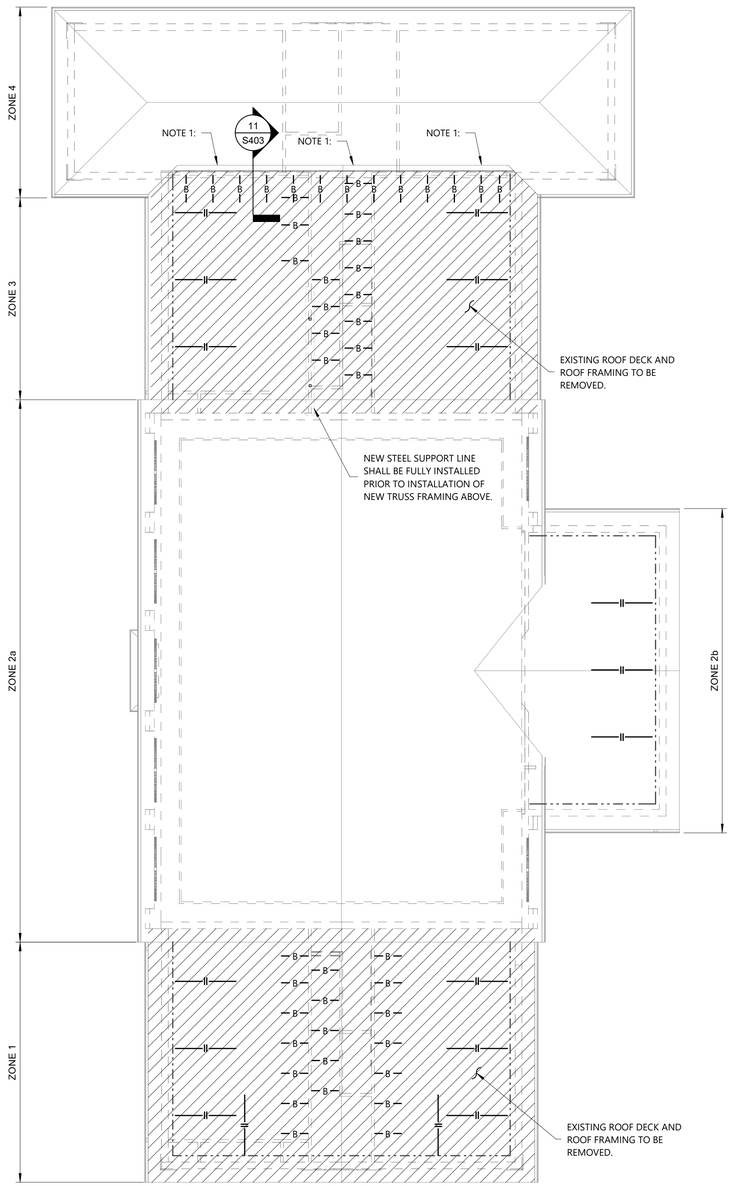
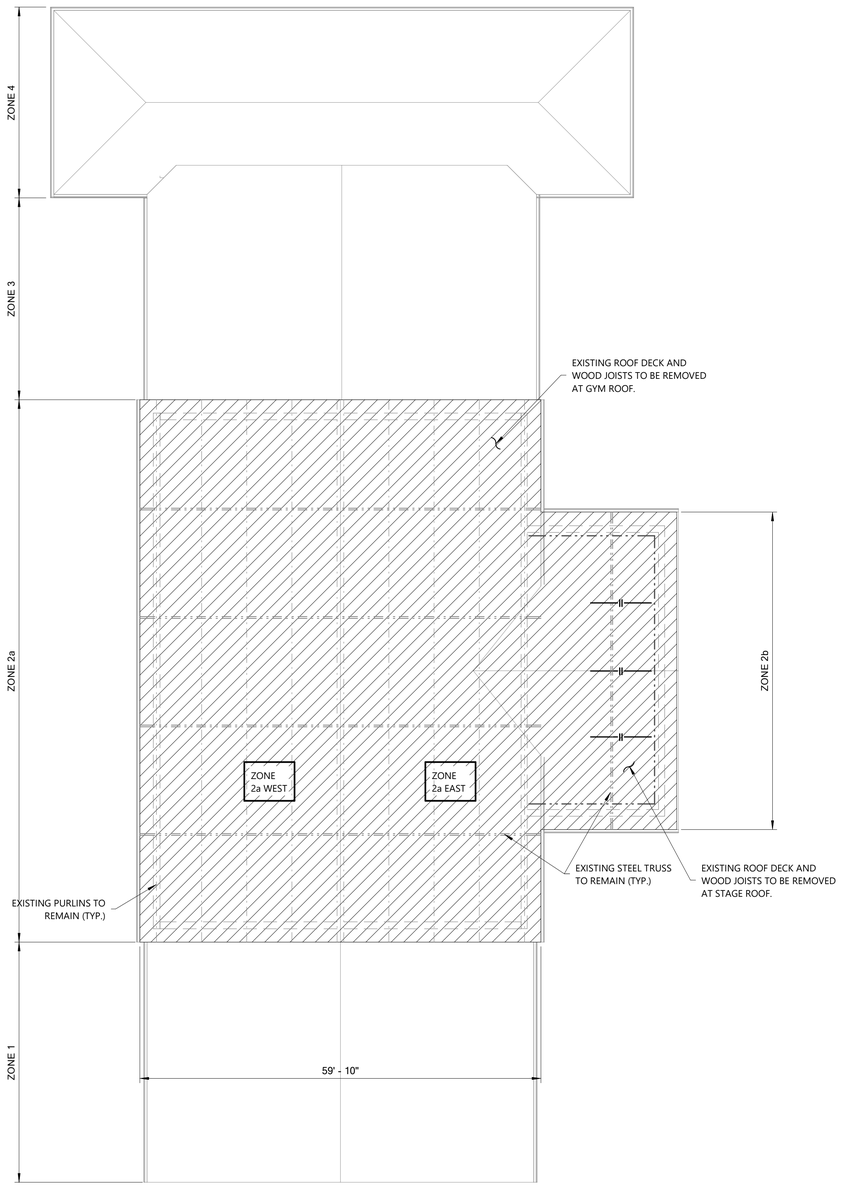


NORTH

1 ROOF DEMOLITION PLAN

3/32" = 1'-0"



NORTH

2 GYM ROOF DEMOLITION PLAN

3/32" = 1'-0"

NOTE 1:

GABLE END WALL ABOVE LOW ROOF TO REMAIN TO HIGH ROOF DECK ABOVE. CONTRACTOR SHALL BRACE WALL FOR OUT OF PLANE STABILITY. CONTRACTOR SHALL PROVIDE ENGINEERING OF ALL TEMPORARY BRACING AND SHORING. BRACING DESIGNER SHALL CONSIDER THAT THIS WALL SUPPORTS BRICK VENEER.

DEMOLITION AND SHORING NOTES:

PRIOR TO DEMOLITION OF ANY WALLS, ALL EXISTING CEILING SHALL BE DEMOLISHED AND REMOVED, AND A/E SHALL BE CONTACTED TO REVIEW EXISTING STRUCTURE AND VERIFY ASSUMPTIONS REGARDING FRAMING OF EXISTING STRUCTURE.

THE STRUCTURAL PLANS DEPICT DEMOLITION OF ALL WALLS ASSUMED TO BE LOAD-BEARING. SEE ARCHITECTURAL DEMOLITION PLAN FOR DEMOLITION OF ALL WALLS ASSUMED TO BE NON-LOAD BEARING. VERIFY THAT ALL WALLS INDICATED TO BE DEMOLISHED ON ARCHITECTURAL PLANS THAT ARE NOT SHOWN ON STRUCTURAL PLANS ARE NON-LOAD BEARING. CONTACT A/E IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.

GENERAL CONTRACTOR IS RESPONSIBLE FOR TEMPORARY STABILITY OF EXISTING STRUCTURE UNTIL NEW CONSTRUCTION IS COMPLETE.

PROVIDE TEMPORARY SHORING OF ALL LOAD BEARING WALLS BEFORE REMOVING CEILING AND/OR ROOF FRAMING. THE WALL SHORING IS TO REMAIN UNTIL NEW ROOF TRUSSES ARE INSTALLED AND PROPERLY BRACED.

ALL TEMPORARY SHORING SHALL BE DESIGNED AND PROVIDED BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL INCLUDE COST OF ALL ENGINEERING REQUIRED FOR DESIGN OF SHORING IN BASE BID.

FOR SHORING OF JOISTS AND BEAMS, A SHORE SHALL BE PROVIDED WITHIN A MINIMUM OF 5' FROM END OF MEMBER AT REMOVAL OF SUPPORT AND AT ADDITIONAL LOCATIONS ALONG MEMBERS AS DEEMED NECESSARY BY SHORING DESIGN.

EXISTING ROOF JOIST SPACING/LOCATIONS ARE TYPICALLY SCHEMATIC. GENERAL CONTRACTOR TO VERIFY EXACT JOIST LOCATIONS AS REQUIRED.

DO NOT DEMOLISH ANY EXISTING STRUCTURE UNLESS EXPLICITLY STATED ON STRUCTURAL DRAWINGS.

ALL DEMOLITION WORK SHALL BE PERFORMED IN A CAREFUL MANNER AS REQUIRED TO ENSURE NO DAMAGE OCCURS TO REMAINING STRUCTURE.

ROOF DEMOLITION SEQUENCE NOTES:

BEGIN WITH DEMOLITION OF ROOF ZONE 2a FROM THE RIDGE TO THE EDGE ON THE WEST SIDE. COMPLETE ALL DEMOLITION, REMOVAL, AND ALL STRUCTURAL REPLACEMENT WORK PRIOR TO MOVING TO THE NEXT STEP. FULLY SECURE ALL NEW JOISTS AND DECK PRIOR TO PERFORMING ANY FURTHER ROOF DEMOLITION.

ONCE THE ZONE 2a WEST REGION IS FULLY COMPLETE AND WALL BRACING IS INSTALLED IN ZONE 2b, DEMOLISH AND REMOVE DECKING AND WOOD JOISTS FOR THE EASTERN HALF OF ZONE 2a AND ZONE 2b FROM THE RIDGE TO EDGE OF ZONE 2b OVER THE STAGE. FULLY SECURE ALL NEW JOISTS AND DECK PRIOR TO PERFORMING ANY FURTHER ROOF DEMOLITION.

ONCE THE WOOD JOISTS AND ROOF DECK FOR ALL OF ZONE 2a EAST AND ZONE 2b ARE FULLY INSTALLED AND ALL SECOND FLOOR EXTERIOR WALLS OF ROOF ZONE 1 ARE TEMPORARILY BRACED, DEMOLITION AND DECK REMOVAL CAN PROCEED FOR ZONE 1. FULLY INSTALL ALL NEW WOOD TRUSSES AND NEW ROOF DECK IN ZONE 1 PRIOR TO PROCEEDING WITH FURTHER ROOF DEMOLITION. TEMPORARY WALL BRACING IN ZONE 1 MAY BE REMOVED ONCE ALL WOOD JOISTS AND NEW PLYWOOD DECK ARE FULLY INSTALLED.

ONCE THE WOOD JOISTS AND ROOF DECK FOR ALL OF ZONE 1 ARE FULLY INSTALLED AND ALL EXTERIOR WALLS OF ROOF ZONE 3 ARE BRACED, DEMOLITION AND DECK REMOVAL CAN PROCEED FOR ZONE 3. FULLY INSTALL ALL NEW WOOD TRUSSES AND NEW ROOF DECK IN ZONE 3 PRIOR TO PROCEEDING WITH REMOVAL OF TEMPORARY WALL BRACING IN ZONE 3.

BRACING AND SHORING LEGEND:

— - - — = INDICATES A TEMPORARY CONTINUOUS SPANDREL BEAM SECURED CONTINUOUSLY NEAR TOP OF NOTED EXTERIOR MASONRY WALLS.

—II— = INDICATES A TEMPORARY WALL BRACE FROM TEMPORARY SPANDREL BEAM TO SECOND FLOOR OR TO THE STAGE. SECURE TO MULTIPLE FLOOR JOISTS.

— B — = INDICATES TEMPORARY INTERIOR WALL BRACING AT APPROXIMATELY 48" O.C. SPACING. BRACE FROM TOP OF WALL DOWN TO SECOND FLOOR UNTIL NEW ROOF FRAMING AND DECK ARE FULLY INSTALLED.

CONTRACTOR TO INCLUDE ENGINEERING COST FOR ALL TEMPORARY WALL BRACING AND TEMPORARY SPANDREL BEAM DESIGN IN BASE BID FOR PROJECT.

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ROOF DEMOLITION PLAN

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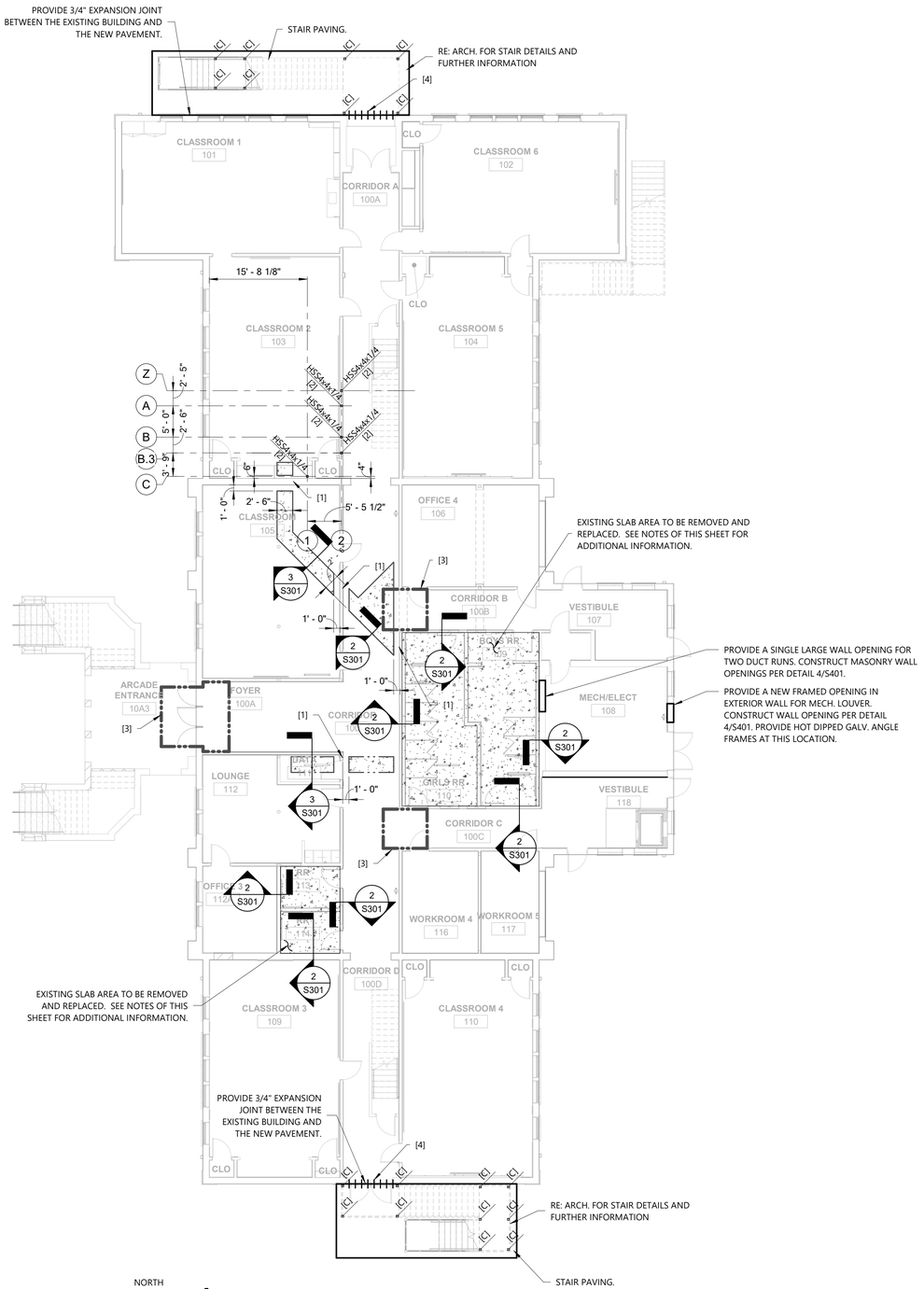

1 SLAB PLAN

3/32" = 1'-0"

GENERAL PLAN NOTES AND LEGEND:

ALL NEW SLABS SHALL BE 5" THICK (MINIMUM) ON 15 MIL VAPOR RETARDER WITH TAPED JOINTS ON 5" CLEAN SAND DRAINAGE LAYER OVER EXISTING SUBGRADE. REINFORCE SLAB WITH #4 BARS AT 12" O.C. EACH WAY AT CENTER OF SLAB. USE CONCRETE BLOCK AT 48" O.C. EACH WAY TO SUPPORT REINFORCING BARS.

HATCHED AREA INDICATES SLAB REMOVAL AND REPLACEMENT ON THIS PLAN ONLY.

RE: PLUMBING DRAWINGS AND ARCH. DRAWINGS FOR LOCATIONS OF FLOOR DRAINS.

COAT ALL NEW TO EXISTING CONCRETE ALONG SLAB EDGES WITH A BONDING AGENT. SEE SPECIFICATION 03 30 00 FOR APPROVED PRODUCTS.

[1] = PROVIDE A CORE THROUGH EXISTING FOUNDATION WALL. MAXIMUM CORE DIAMETER SHALL BE 6". THE OUTER EDGE OF THE CORE SHALL BE AT LEAST 6" BELOW BOTTOM OF ADJACENT SLAB. HAVE E.O.R. REVIEW PICTURES OF EXCAVATION PRIOR TO COMMENCEMENT OF CORING. ONCE THE CORE IS COMPLETE, COAT THE CUT SURFACE WITH TWO COATS OF SIKAGARD 62 BY SIKA (OR APPROVED EQUAL PRODUCT) TO SEAL CONCRETE AND PROTECT CUT REINFORCING.

[2] = BOTTOM OF BASE PLATE TO BEAR ON 1 1/2" NON-SHRINK GROUT OVER EXISTING CONCRETE SLAB (COORDINATE TOP OF CONCRETE ELEVATION WITH ARCH.). RE: 1/S301 FOR BASE PLATE INFORMATION.

[3] = SLAB PATCH AND LEVELING: PROVIDE COST IN BASE BID FOR PATCHING AND SURFACE LEVELING OF APPROXIMATELY 8%, BY AREA, OF THE GROUND FLOOR SLAB. USE A PATCH PRODUCT (OR COMBINATION OF PRODUCTS) CAPABLE OF FILLING FROM FEATHER FINISH TO 3/4" THICKNESS. FIGURE AN AVERAGE PATCH THICKNESS OF 1/2". REGIONS IDENTIFIED ON SLAB PLAN FOR PATCHING ARE KNOWN. OTHER AREAS WILL BE IDENTIFIED BY A/E DURING DEMOLITION PHASE OF PROJECT. INCLUDE COST OF MILLING ALL PATCH AREAS TO PRODUCE A 3/16" SURFACE ROUGHNESS PROFILE.

[4] = PROVIDE 3/4" DIAMETER x 16" LONG SMOOTH DOWEL BARS AT 12" O.C. AT NOTED CONCRETE JOINT AT ENTRY. GREASE END OF SMOOTH DOWEL IN NEW CONCRETE SITE PAVING. LOCATE DOWELS AT 2 1/2" FROM TOP OF NEW CONCRETE SURFACE.

[C] = PRE-FABRICATED METAL STAIR COLUMN/POST LOCATION. RE: ARCH. FOR ADDITIONAL INFORMATION.

STAIR PAVING = 6 1/2" THICK CONCRETE SLAB ON 4" GRAVEL ON COMPACTED FILL. REINFORCE WITH #6 BARS AT 12" O.C. EACH WAY. USE CONCRETE BLOCKS TO KEEP THE REINFORCEMENT AT 2 1/2" CLEAR FROM THE TOP OF THE SLAB. THE SUBGRADE SHALL BE INSPECTED BY TESTING AGENCY AFTER COMPACTED FILL IS COMPLETED AND IMMEDIATELY PRIOR TO PLACEMENT OF DRAINAGE COURSE. COORDINATE WITH ARCH. SITE PLAN AND GRADING. PAVING EXTENDS 1'-0" MINIMUM FROM STAIR COLUMN CENTERLINE, COORDINATE WITH ARCH.

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SLAB PLAN

sheet number S101

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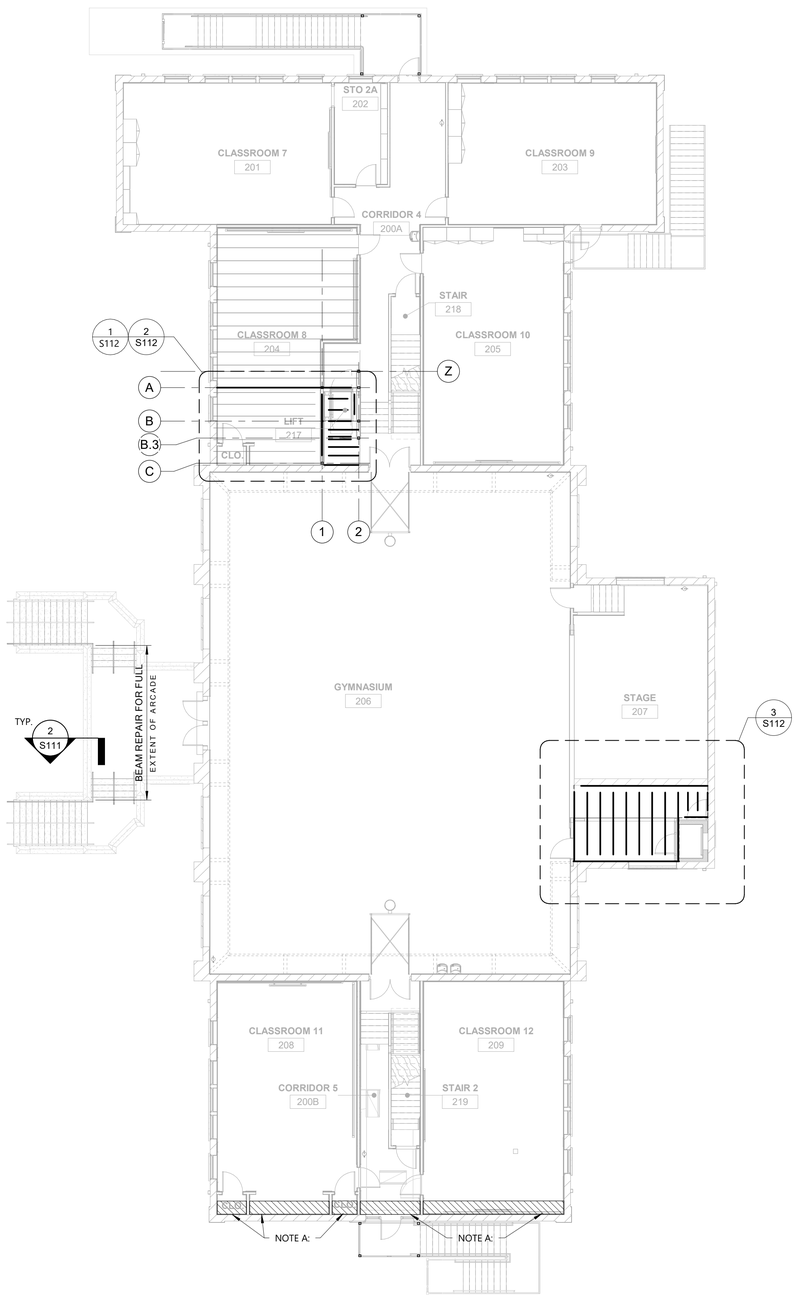
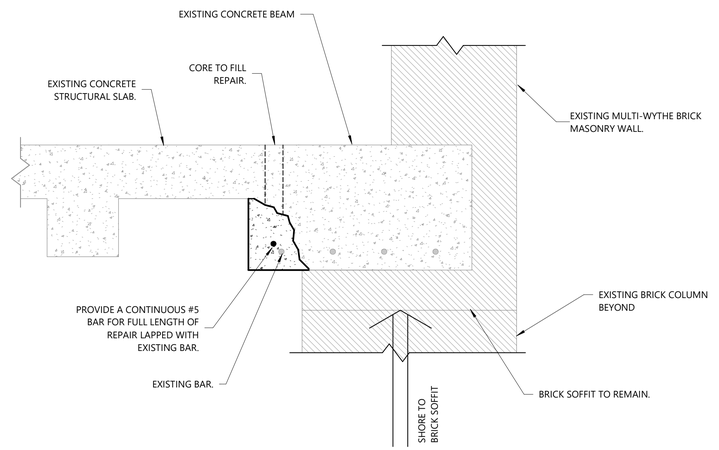


NORTH

1 OVERALL SECOND FLOOR STRUCTURAL PLAN

3/32" = 1'-0"



REPAIR NOTES:

1. PROVIDE A VERTICAL TEMPORARY SHORE BETWEEN EACH COLUMN IN ARCADE.
2. PROVIDE INITIAL ROUGH CLEANING AND REMOVAL OF SPALLED SURFACE AROUND CORRODED BAR AND HAMMER SOUND CONCRETE TO ASSURE NO FURTHER SPALLING
3. CHIP AROUND INADEQUATELY BOND REINFORCING BARS IN ORDER FOR NEW REPAIR MATERIAL TO ENCAPSULATE BAR SECTION WITH 1" MINIMUM REPAIR CONCRETE AROUND BAR.
4. SAWCUT LIMITS OF REPAIR EDGES PER GENERAL REPAIR NOTES. ABRASIVE BLAST BAR, SPALLED CONCRETE REGION, AND CHIPPED OUT CONCRETE REGIONS TO RECEIVE REPAIR MATERIAL. ROUGHEN EXISTING CONCRETE SURFACE TO RECEIVE CONCRETE REPAIR MATERIAL BY ABRASIVE BLASTING TO A 3/16" AMPLITUDE.
5. APPLY ONE COAT OF SIKA ARMATEC 110 BY SIKA CORPORATION OR SPEC PREP SB BY SPEC CHEM (OR APPROVED EQUAL) ON ALL CORRODED BARS WITHIN REPAIR REGION.
6. PROVIDE A FORM AND PUMP REPAIR WITH SELF-CONSOLIDATING CONCRETE (SCC) FOR FILLING OF REPAIR REGION. CORE DRILL 2" DIAMETER HOLES THRU EXISTING SLAB AT APPROXIMATELY 30" O.C. TO INSTALL REPAIR MATERIAL. PROVIDE TWO HOLES MINIMUM FOR ALL REPAIR REGIONS.
7. APPROVED SCC REPAIR MATERIAL SHALL INCLUDE:
   a. FIVE STAR STRUCTURAL CONCRETE BY FIVE STAR PRODUCTS INC.
   b. TSTRATA IRC BY STRUCTURAL TECHNOLOGIES
   c. MASTERBUILDERS 440S
   d. SIKA 211SCC TDS
   e. BASF 466CI
   f. EUCLID EUCOCRETE

2 Concrete Header Repair Detail

1 1/2" = 1'-0" (SIZE AND SHAPE OF ELEMENTS ARE APPROXIMATE)

NOTE A:

WORK THIS NOTE WITH REMOVAL NOTE ON SHEET SD101. PROVIDE A STRIP OF NEW PLYWOOD SHEATHING ALONG SOUTH WALL TO REPLACE WATER DAMAGED PLANKING. SHEATHING THICKNESS TO MATCH PLANKING THICKNESS.

REFERENCES:

THE PUBLICATIONS LISTED BELOW FORM A PART OF THIS CONCRETE REPAIR WORK TO THE EXTENT REFERENCED. TO THE EXTENT APPLICABLE, ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THESE INDUSTRY STANDARDS, SPECIFICATIONS, AND GUIDELINES. WHERE A DATE IS GIVEN FOR REFERENCED STANDARDS, THE EDITION OF THAT DATE SHALL BE USED. WHERE NO DATE IS GIVEN FOR REFERENCE STANDARDS, THE LATEST EDITION AVAILABLE SHALL BE USED. PUBLISHED SPECIFICATIONS, STANDARDS, TESTS OR RECOMMENDED METHODS OF TRADE, INDUSTRY OR GOVERNMENTAL ORGANIZATIONS APPLY TO WORK OF THIS SECTION, WHERE CITED BY ABBREVIATION NOTED AS FOLLOWS:

INDUSTRY STANDARDS

AMERICAN CONCRETE INSTITUTE (ACI):
- 117 TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS
- 237.R SELF-CONSOLIDATING CONCRETE
- 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- 347 GUIDE TO FORMWORK FOR CONCRETE
- 347.2R GUIDE FOR SHORING/RESHORING OF CONCRETE MULTISTORY BUILDINGS
- 546.R CONCRETE REPAIR GUIDE
- RAP-5 SURFACE REPAIR USING FORM-AND-PUMP TECHNIQUES

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
- C143 STANDARD TEST METHOD FOR DETERMINING THE SLUMP FLOW

INTERNATIONAL CONCRETE REPAIR INSTITUTE (ICRI)
- 210.3, GUIDELINE TO USING IN-SITU TENSILE PULL-OFF TESTS TO EVALUATE BOND OF CONCRETE SURFACE MATERIALS.
- 310.1R, GUIDELINE FOR SURFACE PREPARATION FOR THE REPAIR OF DETERIORATED CONCRETE RESULTING FROM REINFORCING STEEL CORROSION.
- 310.2, GUIDELINE FOR SELECTING AND SPECIFYING CONCRETE SURFACE PREPARATION FOR SEALERS, COATINGS AND POLYMER OVERLAYS.
- 310.3, GUIDELINE FOR THE PREPARATION OF CONCRETE SURFACES FOR REPAIR USING HYDRO-DEMOLITION METHODS.

AMERICAN FOREST AND PAPER ASSOCIATION (APA)
- APA CONCRETE FORMING DESIGN/CONSTRUCTION GUIDE, 2004

GENERAL CONCRETE REPAIR NOTES:

- CONTRACTOR SHALL NOTIFY E.O.R. TO REVIEW REPAIR PREPARATION WORK PRIOR TO PLACING OF FORMS AND PRIOR TO PLACEMENT OF REPAIR MATERIALS.
- ALL REPAIR MATERIALS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY E.O.R. PRIOR TO ORDERING OF ALL RELATED MATERIALS.
- ALL REPAIR MATERIALS SHALL BE INSTALLED (INCLUDING ADDITIONAL PREPARATION WORK BEYOND WHAT IS SHOWN HEREIN) IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- ALL REPAIR WORK SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR WITH A MINIMUM OF 5 YEARS EXPERIENCE PERFORMING SIMILAR TYPE CONCRETE REPAIR WORK.
- SAWCUT A 1/4" DEEP EDGE AT LIMITS OF ALL REPAIRS. DO NOT CUT EXISTING REINFORCING.

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OVERALL SECOND FLOOR STRUCTURAL PLAN

sheet number S111

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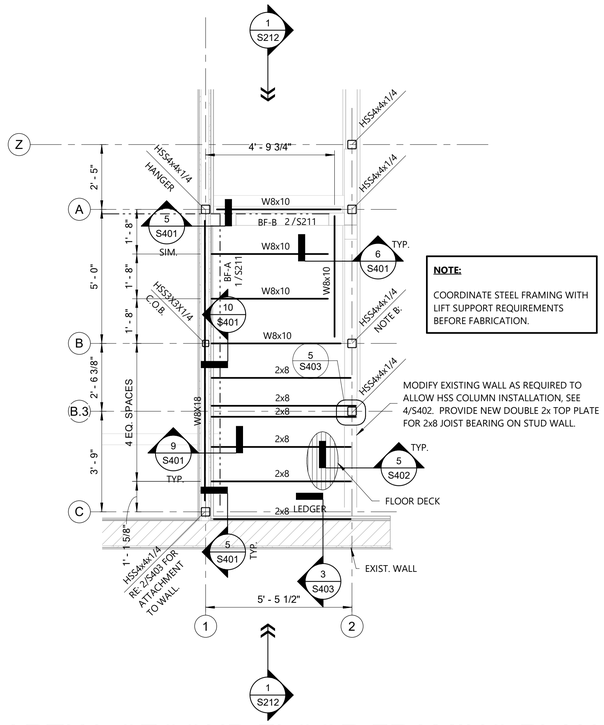


NORTH

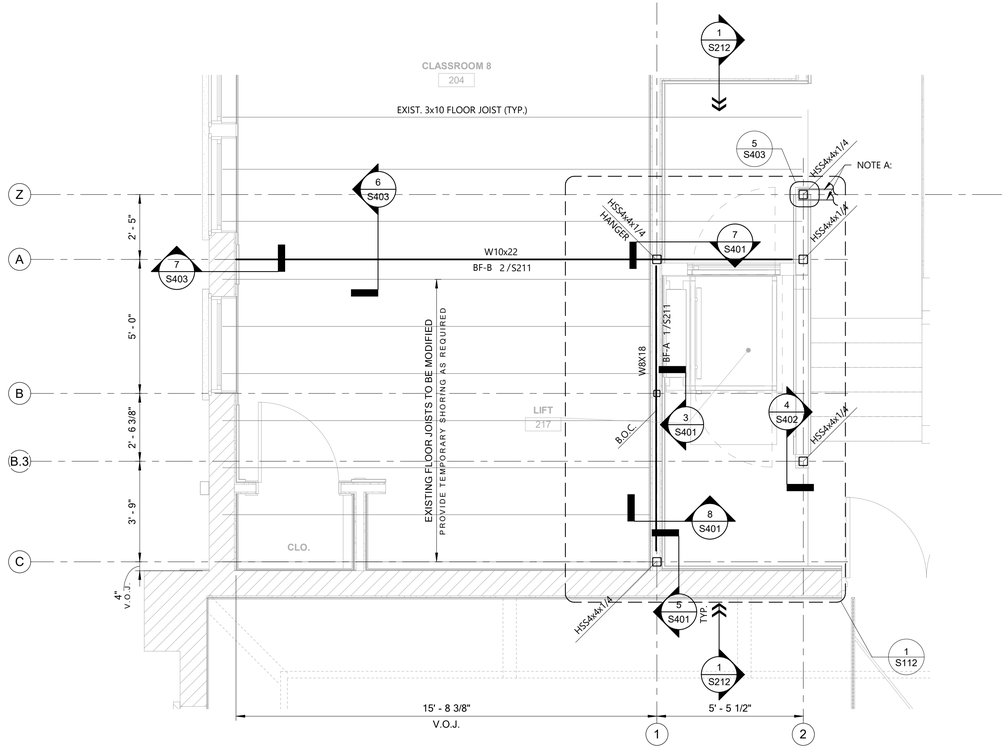
1 PARTIAL SECOND FLOOR FRAMING PLAN

3/8" = 1'-0"

(TOP OF NEW STEEL FRAMING ELEMENTS AT EL. 9'-9" A.F.F., U.N.O.)

NOTE:

COORDINATE STEEL FRAMING WITH LIFT SUPPORT REQUIREMENTS BEFORE FABRICATION.

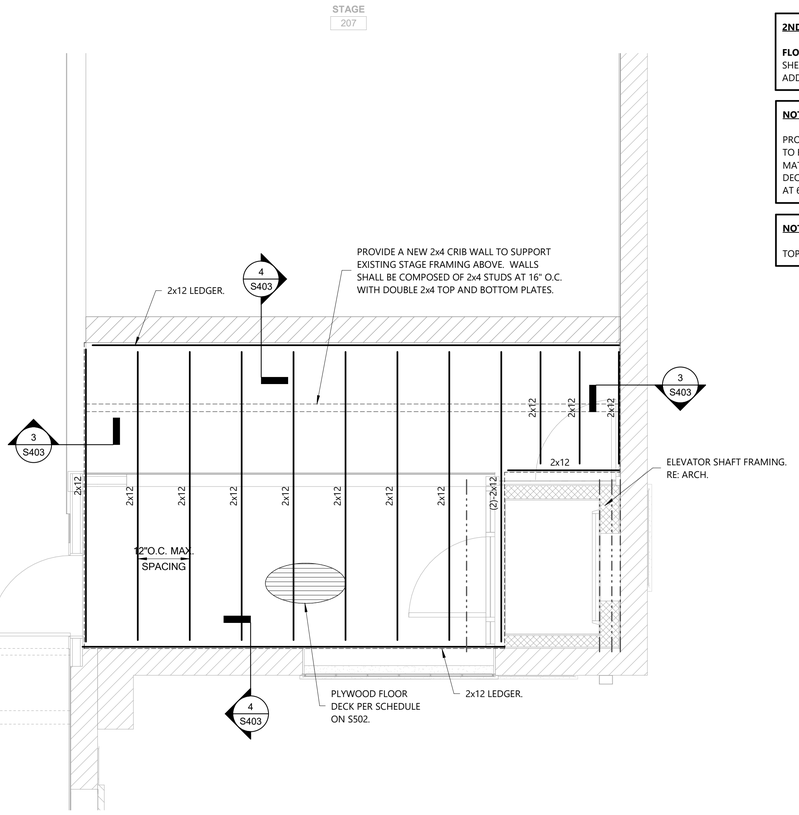


NORTH

2 PARTIAL SECOND FLOOR FRAMING PLAN

3/8" = 1'-0"

(TOP OF NEW STEEL FRAMING ELEMENTS AT EL. 12'-9" A.F.F., U.N.O.)



NORTH

3 PARTIAL SECOND FLOOR FRAMING PLAN

3/8" = 1'-0"

2ND FLOOR PLAN NOTES:

FLOOR DECK = 3/4" PLYWOOD DECK, SEE WOOD SHEATHING/DECKING FASTENER REQUIREMENTS FOR ADDITIONAL INFORMATION.

NOTE A:

PROVIDE (2) NEW WOOD FLOOR JOIST TO SECURE COLUMN TO FLOOR FRAMING. PLACE JOIST ACROSS CORRIDOR. MATCH SIZE OF EXISTING 2x JOIST IN CORRIDOR. SECURE DECK TO NEW JOIST WITH NO. 10x2 1/2" WOOD SCREWS AT 6" O.C. SPACING.

NOTE B:

TOP OF STEEL COLUMN CAP PLATE AT 9' - 9" A.F.F.

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PARTIAL SECOND FLOOR FRAMING PLANS

sheet number

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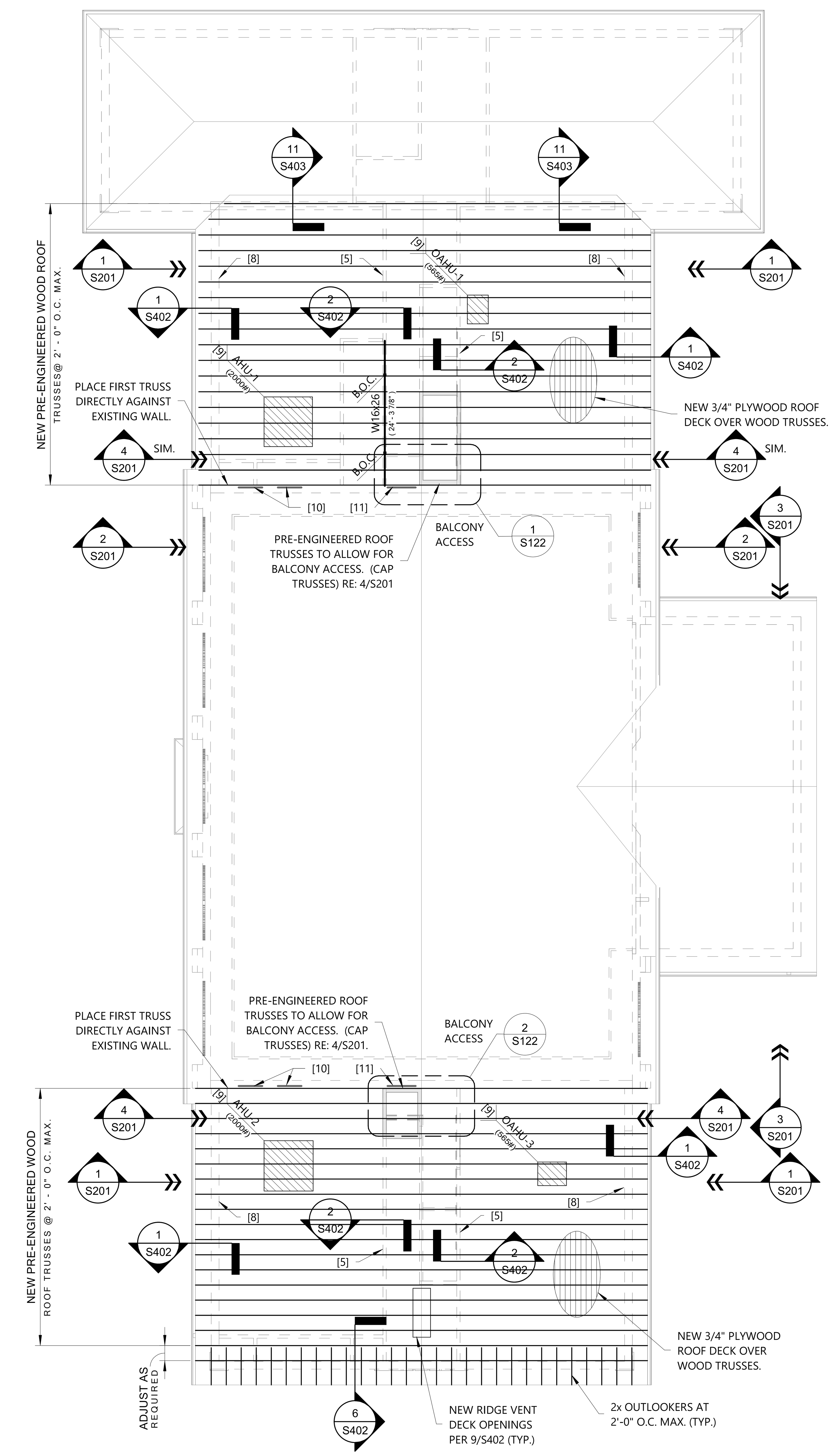
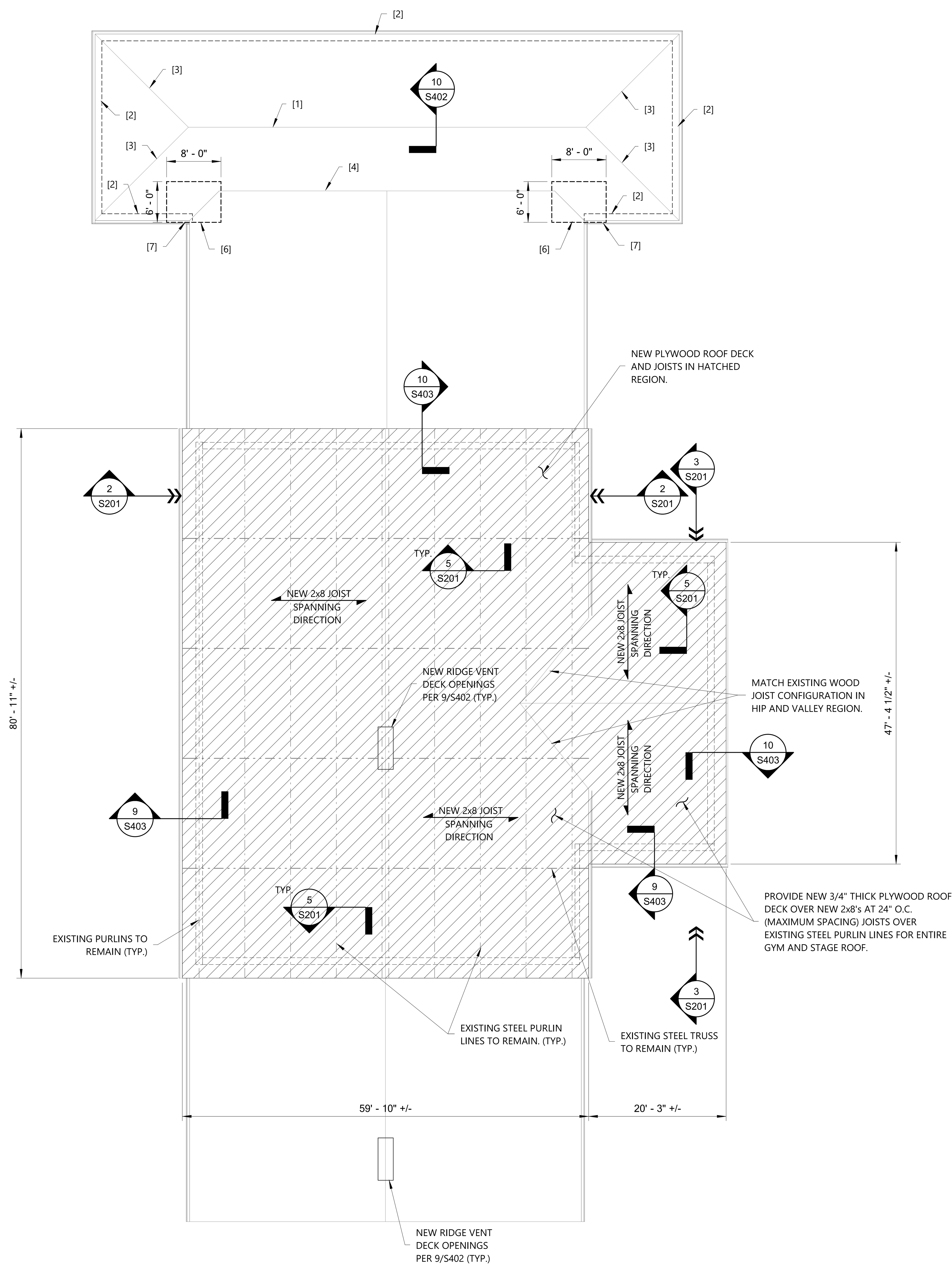


1 ROOF FRAMING PLAN

3/32" = 1'-0"



2 GYM ROOF FRAMING PLAN

3/32" = 1'-0"

EXISTING ROOF FRAMING STRENGTHENING:

[1] = RIDGE STRAPS AND RAFTER TO RIDGE CONNECTORS PER DETAIL 10/S402.

[2] = ROOF ASSEMBLY TO WALL PLATE. SIMILAR TO DETAIL 1/S402. SECURE RAFTER AND JOIST TO PLATE WITH AN H3 OR SIMILAR CLIP WITH # 9x 1 1/2" SD CONNECTOR SCREWS.

[3] = JACK RAFTERS. PROVIDE AN LSSJ JACK HANGER AT EACH JACK RAFTER TO HIP BEAM. PROVIDE #9x1 1/2" SD CONNECTOR SCREWS FOR CONNECTOR.

[4] = PRE-ENGINEERED ROOF TRUSSES TO EXISTING ROOF ASSEMBLY. ROOF TRUSS SUPPLIER TO DESIGN AND PROVIDE CONNECTIONS TO EXISTING ROOF TRUSS SYSTEM. SEE 9/S402 FOR ADDITIONAL INFORMATION.

[5] = FOR ROOF TRUSS SUPPORT LINES, USE ONLY THE MAIN CORRIDOR WALL LINES NOTED ON PLAN AND THE EXTERIOR WALLS.

[6] =REMOVE AND REPLACE DECK IN 6'x8' REGION NOTED. PROVIDE PLYWOOD DECK TO MATCH THICKNESS OF EXISTING PLANK DECK. CUT EXISTING DECK ALONG CENTER OF SUPPORT LINES. ALSO, PLAN TO SISTER (3) RAFTERS FULL HEIGHT IN THIS REGION DUE TO ROT. SISTER RAFTER TO MATCH ORIGINAL RAFTER SIZE. SECURE SISTER RAFTER TO ADJACENT WITH NO. 10 x3 1/2" SCREWS AT 12" O.C.

[7] = PROVIDE (3) NEW FULL HEIGHT 2x6 STUDS AT VALLEY POINT TO REPAIR ROT IN WALL. ALSO, REPLACE 4' LENGTH OF WALL TOP PLATE.

[8] = PROVIDE A NEW CONTINUOUS TREATED 2x12 LEDGER/HEADER ALONG TRUSS BEARING AS SHOWN IN DETAIL 1 ON S402. SPLICE SHALL BE PLACED IN SOLID WALL REGION AT LEAST 16" FROM A WINDOW OPENING EDGE.

[9] = PRE-ENGINEERED TRUSS SUPPLIER TO DESIGN TRUSSES FOR WEIGHT OF EQUIPMENT TO BE PLACED ON TOP OF 3/4" PLYWOOD DECK OVER THE TOP OF THE TRUSS BOTTOM CHORDS. EXTEND PLYWOOD 36" BEYOND EQUIPMENT ON ALL SIDES. COORDINATE TRUSS WEB CONFIGURATIONS AS REQUIRED TO FACILITATE UNIT PLACEMENT BETWEEN TOP AND BOTTOM CHORDS OF TRUSSES - SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.

[10] =NEW RETURN AIR GRILL OPENING IN EXISTING BRICK WALL. SEE MECHANICAL FOR SIZE AND LOCATION. SEE DETAIL 4/S401 FOR OPENING REQUIREMENTS IN WALL.

[11] =NEW DUCT OPENING IN EXISTING BRICK WALL. SEE MECHANICAL FOR EXACT SIZE AND LOCATION. SEE DETAIL 4/S401 FOR OPENING REQUIREMENTS IN WALL.

GHC

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CIVIL ENGINEERING
8/8/24

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/08/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

ROOF FRAMING PLAN

sheet number
S121

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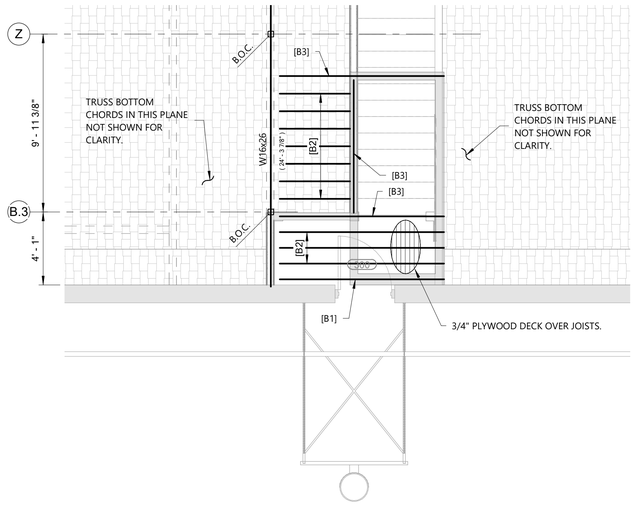
BALCONY PLAN NOTES AND LEGEND:

[B1] = 2x6 LEDGER ALONG MASONRY WALL.

[B2] = 2x6 JOISTS AT 12" O.C. FOR BALCONY ACCESS FLOOR.

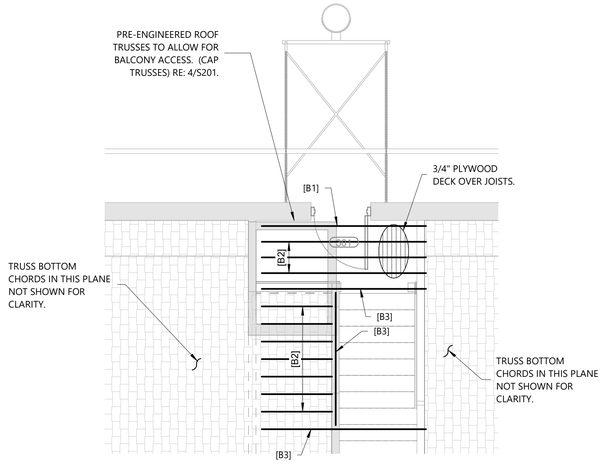
[B3] = (3)-2x6 BEAM UNDER UPPER WALLS OF STAIRS. PROVIDE 2x6 AT 16" O.C. STUD WALL UP TO ROOF DECK.



NORTH

1 NORTH BALCONY ACCESS FLOOR

1/4" = 1'-0"



NORTH

2 SOUTH BALCONY ACCESS FLOOR

1/4" = 1'-0"

GRACE HEBERT CURTIS ARCHITECTS, APAC

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BALCONY FRAMING PLANS

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S122

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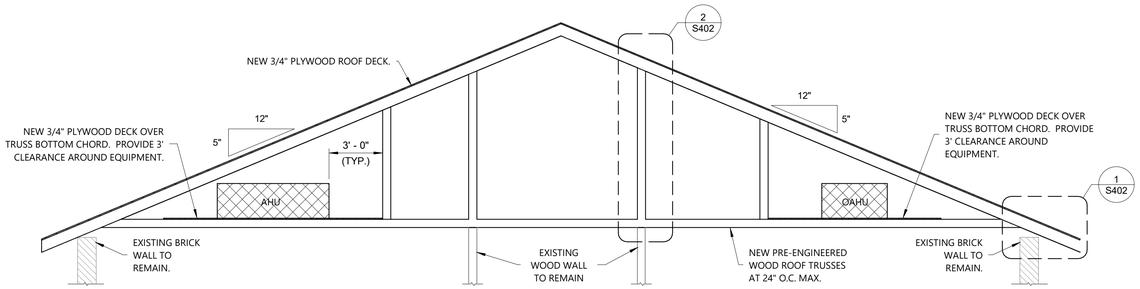
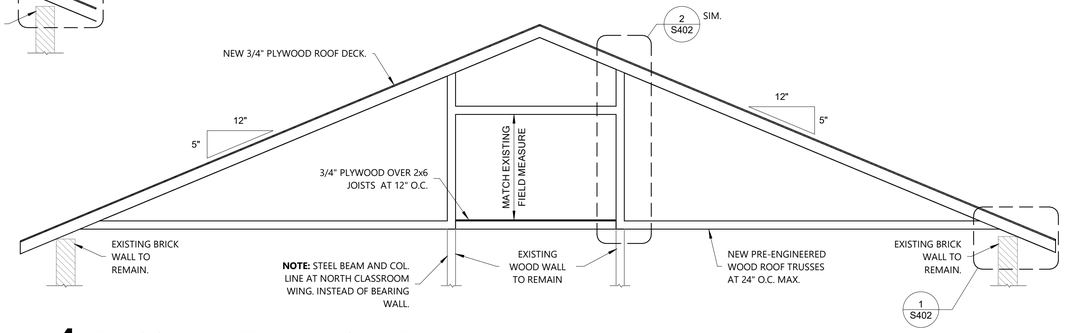
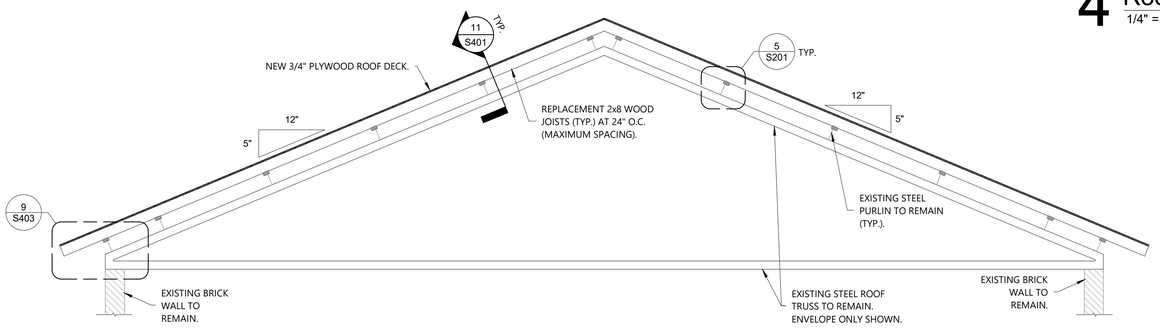


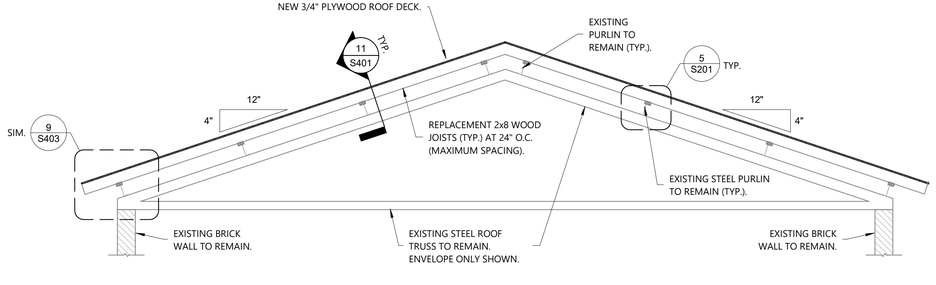
1 Roof Section Through Classrooms Wings
1/4" = 1'-0"



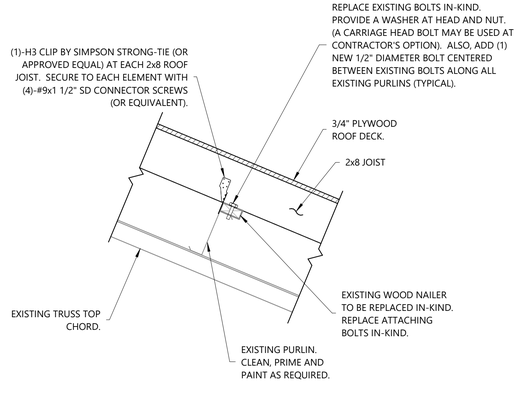
4 Roof Section Through Gym Balcony Access
1/4" = 1'-0"



2 Roof Section At Gymnasium
1/4" = 1'-0"



3 Roof Section At Stage
1/4" = 1'-0"



5 Roof Reinforcement Detail
1" = 1'-0"

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ROOF SECTIONS

sheet number
S201

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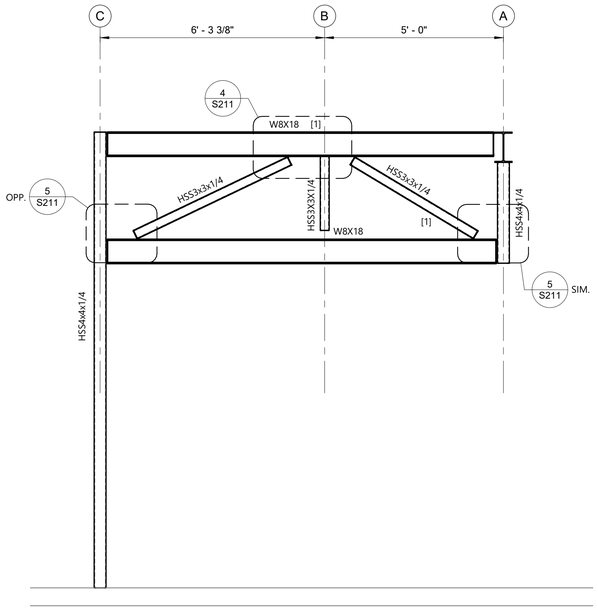
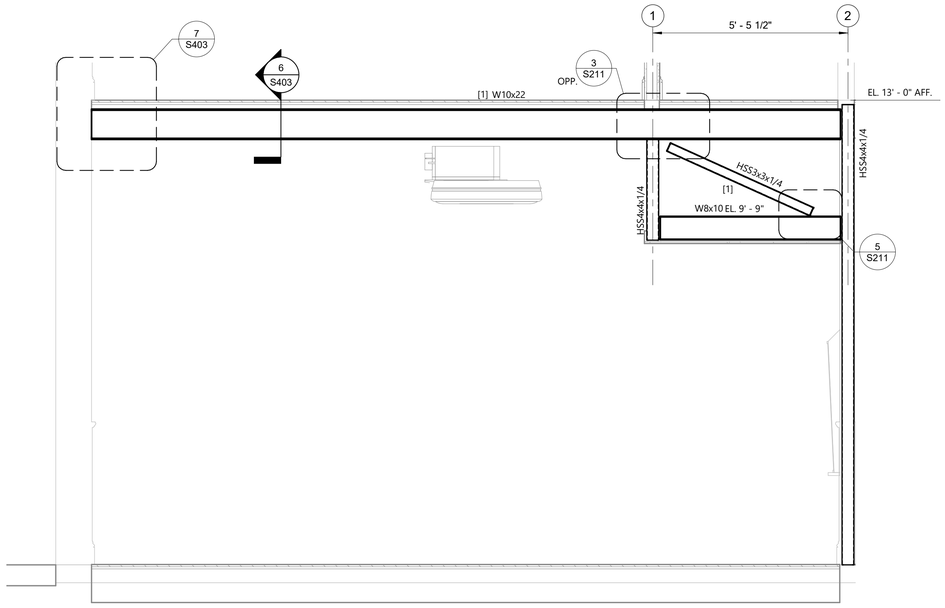


1 Braced Frame BF-A
1/2" = 1'-0"



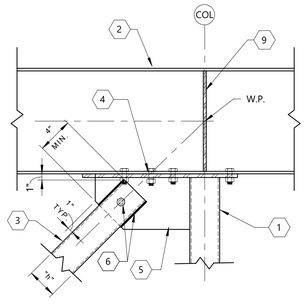
2 Braced Frame BF-B
1/2" = 1'-0"

ELEVATION NOTES:

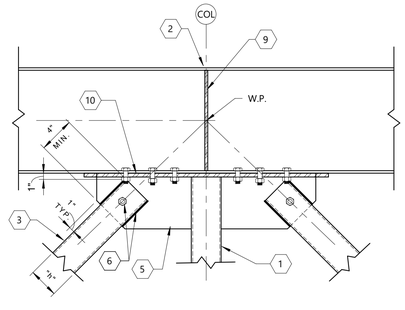
[1] = CONTRACTOR TO FIELD VERIFY EXISTING FLOOR ELEVATION PRIOR TO STARTING FABRICATION OF STEEL FRAMING.

Keynote Legend

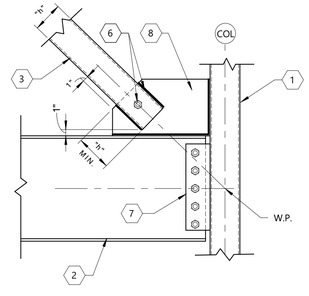
1. STEEL COLUMN - SEE PLAN FOR SIZE.
2. STEEL BEAM - SEE PLAN FOR SIZE.
3. DIAGONAL BRACE MEMBER - SEE ELEVATIONS FOR SIZE.
4. 5/8" BEARING PLATE SHOP WELDED WITH 1/4" FILLET WELD CONTINUOUS TO GUSSET PLATE AND COLUMN, AND FIELD BOLTED WITH (4)-3/4" DIA. BOLTS EACH SIDE OF BEAM.
5. 5/8" THICK GUSSET PLATE SHOP WELDED TO BEARING PLATE WITH CONTINUOUS 1/4" FILLET WELD EACH SIDE OF PLATE. SHOP WELD TO COLUMN WITH CONTINUOUS 1/4" FILLET WELD ON EACH SIDE OF PLATE.
6. (1)-3/4" DIA. A325-N BOLT FOR ERECTION. FIELD WELD TUBE TO PLATE ALL AROUND ON BOTH SIDES OF PLATE WITH 1/4" FILLET WELD. PROVIDE 15/16" DIA. HOLES IN BRACE AND GUSSET PLATE.
7. STANDARD SINGLE PLATE BEAM CONNECTION. RE: TYPICAL BEAM TO HSS COLUMN CONNECTION SCHEDULE AND DETAIL.
8. 5/8" THICK GUSSET PLATE SHOP WELDED TO BEAM WITH CONTINUOUS 1/4" FILLET WELD ON EACH SIDE OF PLATE. FIELD WELD GUSSET PLATE TO COLUMN WITH 1/4" FILLET WELD ON EACH SIDE OF PLATE.
9. 1/4" WEB STIFFENER BOTH SIDES OF BEAM WEB. WELD CONTINUOUS BOTH SIDES WITH 1/4" FILLET WELD.
10. 5/8" BEARING PLATE SHOP WELDED WITH 1/4" FILLET WELD CONTINUOUS TO GUSSET PLATE AND COLUMN, AND FIELD BOLTED WITH (6)-3/4" DIA. BOLTS EACH SIDE OF BEAM.



3 Brace At HSS Col.
1" = 1'-0"



4 Brace At HSS Col.
1" = 1'-0"



5 Brace Detail At HSS Col.
1" = 1'-0"

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BRACED FRAME ELEVATIONS AND DETAILS

sheet number

S211

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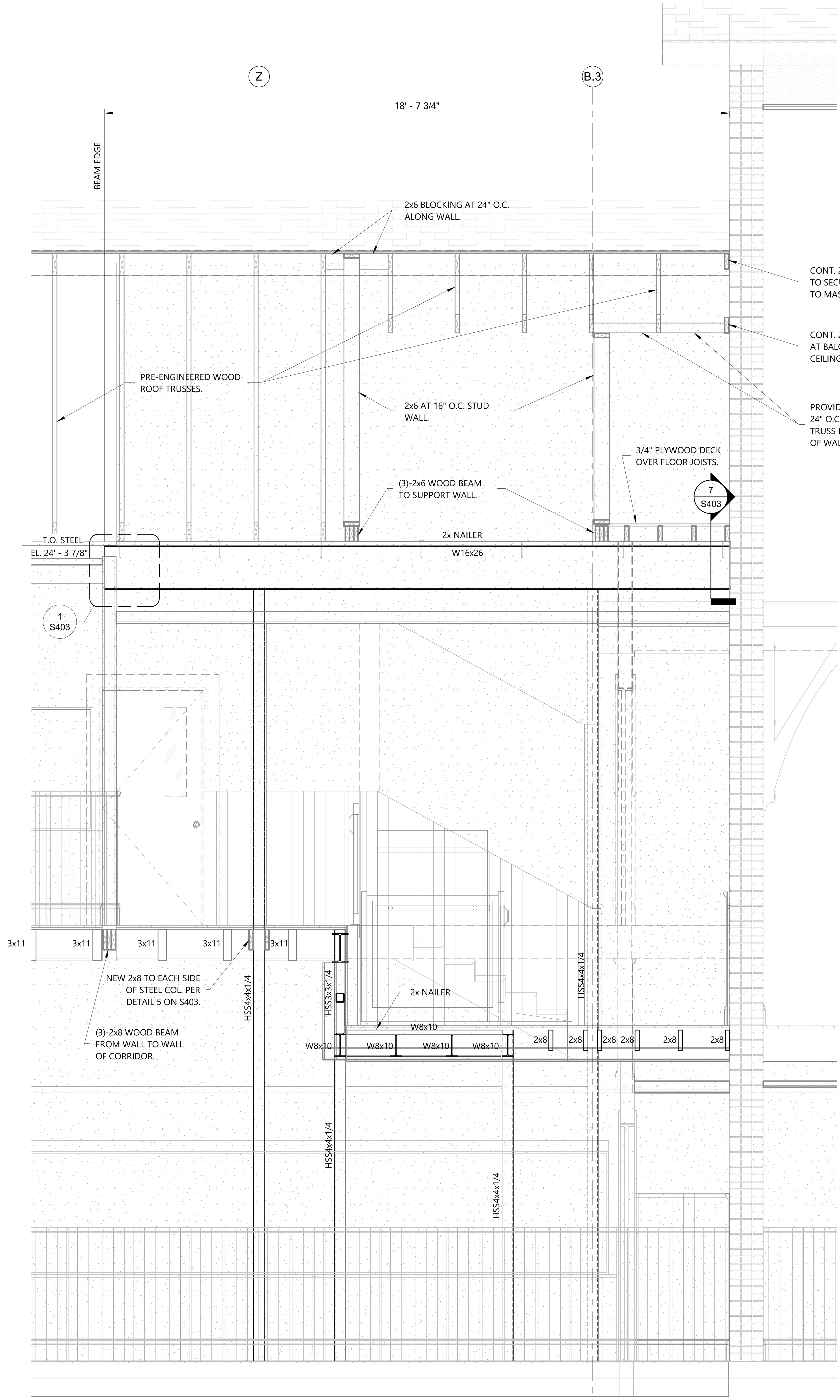

Z
B.3
18' - 7 3/4"
BEAM EDGE
2x6 BLOCKING AT 24" O.C. ALONG WALL.
CONT. 2x6 WOOD LEDGER TO SECURE ROOF DECK TO MASONRY WALL.
CONT. 2x6 WOOD LEDGER AT BALCONY ACCESS CEILING LEVEL.
PRE-ENGINEERED WOOD ROOF TRUSSES.
2x6 AT 16" O.C. STUD WALL.
PROVIDE 2x4 BLOCKING AT 24" O.C. IN FIRST TWO TRUSS BAYS FOR EXTENT OF WALL BELOW.
3/4" PLYWOOD DECK OVER FLOOR JOISTS.
(3)-2x6 WOOD BEAM TO SUPPORT WALL.
7
S403
T.O. STEEL
EL. 24' - 3 7/8"
2x NAILER
W16x26
1
S403
3x11
3x11
3x11
3x11
3x11
NEW 2x8 TO EACH SIDE OF STEEL COL. PER DETAIL 5 ON S403.
(3)-2x8 WOOD BEAM FROM WALL TO WALL OF CORRIDOR.
HSS4x4x1/4
HSS3x3x1/4
2x NAILER
W8x10
W8x10
W8x10
W8x10
W8x10
HSS4x4x1/4
2x8
2x8
2x8
2x8
2x8
2x8
2x8
HSS4x4x1/4
HSS4x4x1/4

1 Wall Section At Lift And Gym Balcony Access

1/2" = 1'-0"

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WALL SECTION

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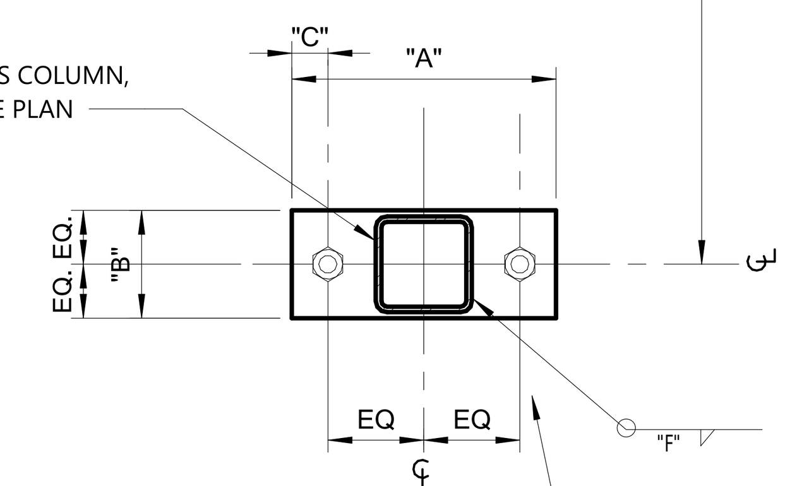
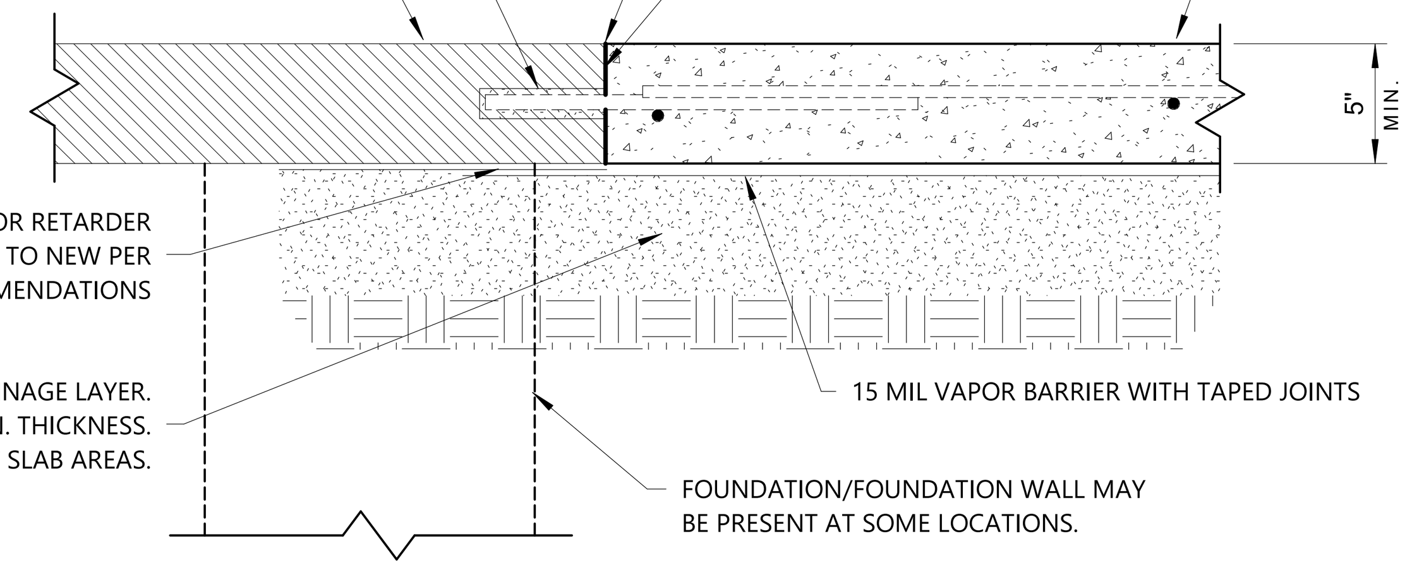
S212

HSS COL. SIZE	"t"	"A"	"B"	"C"	BOLT DIA.	BASE PLATE HOLE DIA.	"F"	WASHER SIZE	WASHER HOLE DIA.
HSS 4x4	1"	10"	4 1/2"	1 1/2"	3/4"	15/16"	1/4	2"x1/4"	13/16"



1 Column Base Plate Detail
1 1/2" = 1'-0"



FULL-DEPTH SAWCUT ALONG PERIMETER OF SLAB REMOVAL
#5 DOWEL BAR x 18" LONG AT 24" O.C. DRILL AND EPOXY GROUT INTO EXISTING CONCRETE WITH 5" EMBEDMENT (TYP.)
APPLY XYPEX CONCENTRATE SLURRY TO ALL JOINT SURFACES WITH BRUSH AT RATE OF TWO POUNDS PER SQUARE YARD. FOLLOW MANUFACTURER'S APPLICATION PROCEDURES.
TYPICAL 5" CONCRETE SLAB REINFORCED WITH #4 BARS AT 12" O.C. EACH WAY.
EXISTING SLAB TO REMAIN
5" MIN.
LAP EXISTING VAPOR RETARDER 6" MIN. AND TAPE TO NEW PER MANUFACTURER RECOMMENDATIONS
EXISTING CLEAN SAND DRAINAGE LAYER. ASSURE 5" MIN. THICKNESS. REPAIR/REPLACE AT NEW SLAB AREAS.
15 MIL VAPOR BARRIER WITH TAPED JOINTS
FOUNDATION/FOUNDATION WALL MAY BE PRESENT AT SOME LOCATIONS.

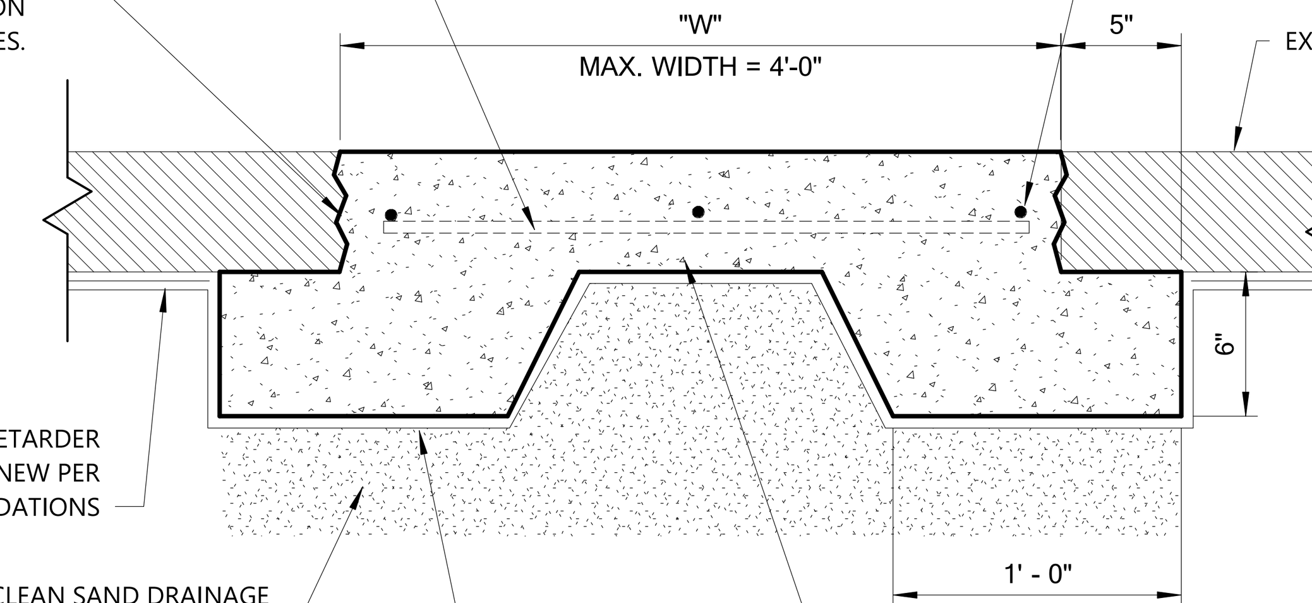
LARGE AREA SLAB REPAIR NOTES:

1. CONTRACTOR TO USE THIS DETAIL AS REQUIRED TO REPAIR THE SLAB FOR ALL LARGE OPENINGS MADE IN THE EXISTING SLAB WHERE MULTIPLE TRENCHES OR PENETRATIONS ARE REQUIRED (E.G. AT NEW BATHROOMS OR CLOSELY SPACED NEW RUNS OF PIPE/CONDUIT).
2. WIDTH AND LENGTH OF CONTINUOUS LARGE OPENINGS IS A FUNCTION OF THE MEANS AND METHODS OF THE NEW INSTALLATIONS AND ALL QUANTITIES SHALL BE VERIFIED PRIOR TO BID.
3. DO NOT DEMOLISH OR CORE THROUGH EXISTING FOOTINGS OR REINFORCED SLAB TURNDOWNS WITHOUT REVIEW AND APPROVAL OF FOX-NESBIT.
4. RE: MECHANICAL & PLUMBING DRAWINGS FOR UNDER SLAB WORK WHICH WILL REQUIRE SLAB REMOVAL AND REPLACEMENT.
5. PROVIDE FULL DEPTH SAWCUTS OF ALL SLAB EDGES FOR SLAB AREAS REQUIRING REMOVAL.
6. PROVIDE A PLAN TO A/E FOR REVIEW AND APPROVAL SHOWING PLANNED EXTENTS OF SLAB REMOVAL, INCLUDING LARGE AREAS OF SLAB REMOVAL AND TRENCHES. DO NOT SAWCUT SLAB UNTIL PLAN IS REVIEWED AND APPROVED.
7. LAYOUTS OF SLAB REMOVAL SHALL BE ESTABLISHED IN A MANNER TO AVOID EXISTING REGIONS OF SLAB TO REMAIN WHICH ARE PRONE TO FAILURE. FOR EXAMPLE, AVOID NARROW SLIVERS OF CONCRETE, SMALL ISOLATED REGIONS OF EXISTING SLAB CONCRETE OR SHARP ANGULAR PIECES OF PROTRUDING CONCRETE.

2 Exist. Slab To New Slab Dowel Case
1 1/2" = 1'-0"

NOTE:

CONTRACTOR TO USE THIS DETAIL AS REQUIRED TO REPAIR THE SLAB FOR ALL TRENCH OPENINGS MADE IN THE EXISTING SLAB.



APPLY XYPEX CONCENTRATE SLURRY TO ALL JOINT SURFACES WITH BRUSH AT RATE OF TWO POUNDS PER SQUARE YARD. FOLLOW MANUFACTURER'S APPLICATION PROCEDURES.
#4 TRANSVERSE BARS AT 12" O.C.
CONTINUOUS LONGITUDINAL #4 BARS AT 12" O.C. SPACING MAXIMUM.
"W"
MAX. WIDTH = 4'-0"
5"
EXISTING SLAB TO REMAIN
6"
LAP EXISTING VAPOR RETARDER 6" MIN AND TAPE TO NEW PER MANUFACTURER RECOMMENDATIONS
1' - 0"
EXISTING CLEAN SAND DRAINAGE LAYER. ASSURE 5" MIN. THICKNESS. REPAIR/REPLACE AT NEW SLAB AREAS.
15 MIL VAPOR BARRIER
DEPTH TO MATCH EXISTING SLAB BUT NOT LESS THAN 5"

SLAB TRENCH REPAIR NOTES:

1. CONTRACTOR TO USE THIS DETAIL AS REQUIRED TO REPAIR THE SLAB FOR ALL TRENCH OPENINGS MADE IN THE EXISTING SLAB.
2. WIDTH AND LENGTH OF TRENCHING IS A FUNCTION OF THE MEANS AND METHODS OF THE NEW INSTALLATIONS AND ALL QUANTITIES SHALL BE VERIFIED PRIOR TO BID.
3. DO NOT DEMOLISH OR CORE THROUGH EXISTING FOOTINGS OR REINFORCED SLAB TURNDOWNS WITHOUT REVIEW AND APPROVAL OF FOX-NESBIT.
4. RE: MECHANICAL & PLUMBING DRAWINGS FOR UNDER SLAB WORK WHICH WILL REQUIRE SLAB REMOVAL AND REPLACEMENT.
5. PROVIDE FULL DEPTH SAWCUTS OF ALL SLAB EDGES FOR SLAB AREAS REQUIRING REMOVAL.
6. PROVIDE A PLAN TO A/E FOR REVIEW AND APPROVAL SHOWING PLANNED EXTENTS OF SLAB REMOVAL, INCLUDING LARGE AREAS OF SLAB REMOVAL AND TRENCHES. DO NOT SAWCUT SLAB UNTIL PLAN IS REVIEWED AND APPROVED.
7. LAYOUTS OF SLAB REMOVAL SHALL BE ESTABLISHED IN A MANNER TO AVOID EXISTING REGIONS OF SLAB TO REMAIN WHICH ARE PRONE TO FAILURE. FOR EXAMPLE, AVOID NARROW SLIVERS OF CONCRETE, SMALL ISOLATED REGIONS OF EXISTING SLAB CONCRETE OR SHARP ANGULAR PIECES OF PROTRUDING CONCRETE.

3 Slab Trench Repair Detail Underpin
1 1/2" = 1'-0"

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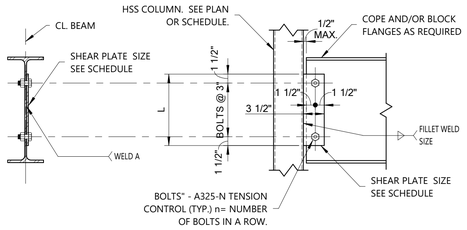
CONCRETE DETAILS

sheet number
S301

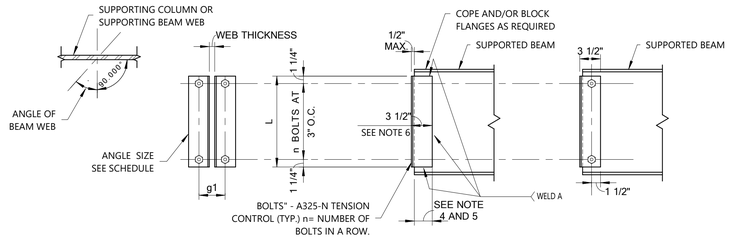


NOTES:

1. WHERE BEAM FRAMES INTO FLAT FACE OF HSS COLUMN ON A SKEW 10 DEGREES OR LESS FROM PERPENDICULAR, PLATE SHALL BE WELDED TO COLUMN WITH FILLET WELD AS INDICATED IN TABLE BELOW.
2. WHERE BEAM FRAMES INTO FLAT FACE OF HSS COLUMN ON A SKEW GREATER THAN 10 DEGREES FROM PERPENDICULAR, PLATE SHALL BE FULL PENETRATION WELDED TO COLUMN.
3. FOR PLATES ATTACHING TO THE RADIUSED CORNER OF AN HSS COLUMN USE COMPLETE JOINT PENETRATION WELD.
4. SLOTTED BOLT HOLES SHALL NOT BE USED, UNLESS NOTED OTHERWISE, EXCEPT AT LOCATIONS APPROVED BY ENGINEER VIA THE RFI PROCESS.

BEAM SIZE	PLATE SIZE (inches)	L (inches)	n	WELD (TYP.) EA. SIDE (inches)	BOLTS (TYP.)
W8's	5/16	6	2	1/4	3/4"
W10's	5/16	6	2	1/4	3/4"
W12's	5/16	9	3	1/4	3/4"
W14's	5/16	9	3	1/4	3/4"
W16's	5/16	12	4	1/4	3/4"

1 Typical Beam To HSS Column Connection Schedule And Detail
1" = 1'-0"

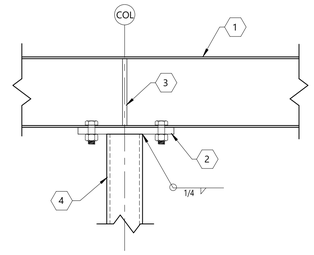


NOTES: **OPTION 1 - SUPPORTED BEAM WELDED** **OPTION 2 - SUPPORTED BEAM BOLTED**

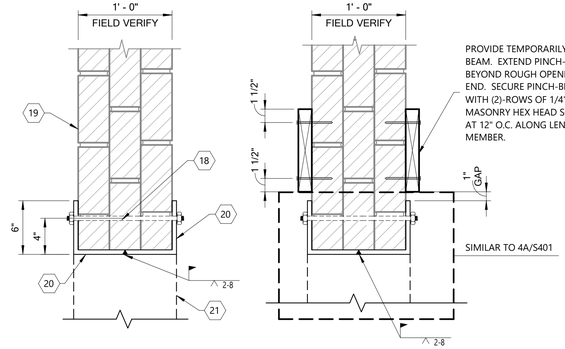
1. WHERE BEAMS AND GIRDERS FRAME INTO A W8 COLUMN OR THE WEB OF A W10 COLUMN, ANGLE SIZE 3x3 1/2xSAME THICKNESS SHALL BE USED AND g1 SHALL BE DECREASED BY 2" TYPICALLY.
2. FOR CHANNEL CONNECTIONS, USE ANGLE AND BOLTS FOR SIMILAR DEPTH BEAM SHOWN BELOW.
3. FOR ANGLES 0 DEGREES TO 14 DEGREES FROM PERPENDICULAR, ANGLES SHALL BE BENT.
4. FOR ANGLES 14 DEGREES TO 33.7 DEGREES FROM PERPENDICULAR, PROVIDE (2) BENT PLATES 3/8" X AS REQUIRED BY GEOMETRY (PROVIDE MIN. 3/16" WELD ALL AROUND).
5. FOR ANGLES 33.7 DEGREES TO 71.6 DEGREES FROM PERPENDICULAR, PROVIDE (1) BENT PLATE 3/8" X AS REQUIRED BY GEOMETRY (PROVIDE MIN. 3/16" WELD ALL AROUND). AT W24's AND DEEPER PROVIDE 1/2" THICK BENT PLATE.
6. LEG SHALL BE ADJUSTED WHERE REQUIRED BY GEOMETRY.
7. AT ALL BEAM CONNECTIONS TO DIAGONAL BRACED FRAME COLUMNS IN WHICH BEAM IS PARALLEL TO THE DIAGONAL BRACED FRAME, THE CONNECTION ANGLE THICKNESS SHALL BE INCREASED TO 1/2" AND "WELD A" SHALL BE 1/4".
8. AT DOUBLE BEAM CONNECTIONS AT COLUMNS, INCREASE ANGLE LEG AND ADD BOLTS AS REQUIRED TO MEET OSHA STANDARDS.
9. FOR BEAM TO BEAM CONNECTIONS, PROVIDE CONNECTION PER THE SHALLOWER MEMBER AND COPE SUPPORTED BEAM AS REQUIRED.
10. CONNECTION TO WEB OF SUPPORTED BEAM MAY BE WELDED OR BOLTED.

BEAM SIZE	ANGLE SIZE	L (inches)	n	g1	WELD A	BOLTS
W8's & W10's	L4x3 1/2x5/16	5 1/2	2	5 1/2	3/16	3/4"
W12's	L4x3 1/2x5/16	8 1/2	3	5 1/2	3/16	3/4"
W14's	L4x3 1/2x5/16	8 1/2	3	5 1/2	3/16	3/4"
W16's	L4x3 1/2x5/16	11 1/2	4	5 1/2	3/16	3/4"
W18's	L4x3 1/2x5/16	14 1/2	5	5 1/2	3/16	3/4"
W21's	L4x3 1/2x5/16	17 1/2	6	5 1/2	3/16	3/4"
W24's	L4x3 1/2x5/16	20 1/2	7	5 1/2	1/4	3/4"
W27's	L4x3 1/2x5/16	23 1/2	8	5 1/2	1/4	3/4"
W30's	L4x3 1/2x5/16	26 1/2	9	5 1/2	1/4	3/4"

2 Typical Beam Connection Schedule And Detail
1" = 1'-0"



3 Beam Over Column
1 1/2" = 1'-0"



A - AT SIDES AND BOTTOM OF OPENING **B - AT TOP OF OPENING**

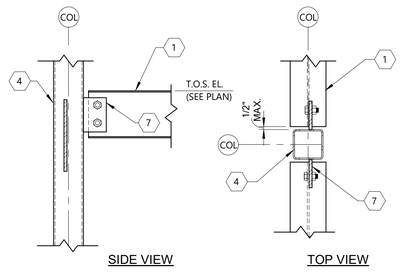
SEQUENCING FOR HVAC OPENING:

1. FIELD MEASURE WALL THICKNESS AND PROVIDE STEEL SHOP DRAWINGS FOR REVIEW AND APPROVAL.
2. INSTALL TEMPORARY PINCH-BEAMS ON EACH SIDE OF BRICK WALL.
3. CUT AND REMOVE BRICK TO CREATE NEW HVAC OPENING. DO NOT OVERCUT OPENING AT CORNERS. USE SMALL HAND HELD CUTTING AND CHIPPING TOOLS TO ACCOMPLISH CORNERS.
4. FULLY INSTALL STEEL FRAME ON EACH SIDE INCLUDING ALL THRU BOLTS AND EPOXY.
5. PROVIDE STITCH WELDS ALONG INTERIOR SEAM OF FRAME HALVES.
6. REMOVE TEMPORARY PINCH-BEAMS.
7. FILL SMALL HOLES IN BRICK FROM PINCH-BEAM SCREWS WITH AN APPROVED REPAIR SANDED CAULK PRODUCT.

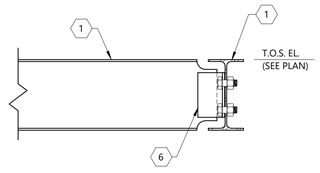
4 HVAC Opening In Existing Brick Wall
1 1/2" = 1'-0"

Keynote Legend

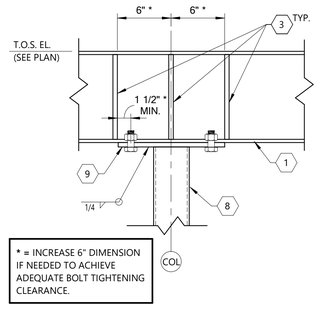
1. STEEL BEAM - SEE PLAN FOR SIZE.
2. 3/4" CAP PLATE WITH (4)-3/4" DIA. BOLTS.
3. 3/8" STIFFENER PLATE EACH SIDE OF BEAM WEB. WELD BOTH SIDES CONTINUOUS WITH 1/4" FILLET WELD.
4. STEEL COLUMN - SEE PLAN FOR SIZE.
5. 3/4" BASE PLATE WITH (4)- 3/4" DIA. A325-TC BOLTS.
6. STANDARD DOUBLE ANGLE BEAM CONNECTION. RE: BEAM CONNECTION SCHEDULE AND DETAIL FOR INFORMATION.
7. STANDARD SINGLE PLATE BEAM CONNECTION. RE: TYPICAL BEAM TO HSS COLUMN CONNECTION SCHEDULE AND DETAIL.
8. HSS HANGER COL. - SEE PLAN FOR SIZE.
9. 3/4" CAP PLATE WITH (4)- 3/4" DIA. BOLTS.
10. 3/4" WOOD DECKING. SEE PLANS AND SCHEDULES FOR MORE INFORMATION.
11. GYP-CRETE TOPPING OR SECOND LAYER OF PLYWOOD AS SHOWN IN ARCHITECTURAL DRAWINGS.
12. EXISTING WOOD FLOOR JOIST TO REMAIN.
13. PROVIDE CONTINUOUS RIPPED 2x NAILER BOLTED TO BEAM WITH 1/2" DIA. BOLTS AT 18" O.C. EACH SIDE OF WEB. SHOP DRILL OR PUNCH 9/16" DIAMETER HOLES IN BEAM FLANGE.
14. PROVIDE A LIGHT GAGE STEEL TOP FLANGE JOIST HANGER FOR ALL CUT JOISTS SUPPORTED BY STEEL BEAM. PROVIDE A HANGER WITH A MINIMUM 1,500 LBS OF CAPACITY. SELECT BASED ON FIELD MEASURED JOIST SIZE.
15. NEW 2x STUD WALL - RE: ARCH.
16. NEW 2x FLOOR JOISTS PER PLANS.
17. LB28 BY SIMPSON STRONG-TIE (OR APPROVED EQUAL) TOP FLANGE JOIST HANGER. PROVIDE #10x2 1/2" SD CONNECTOR SCREWS INTO NAILER AND #9x1 1/2" SD CONNECTOR SCREWS INTO JOIST.
18. 1/2" DIAMETER THREADED ROD THRU MASONRY WALL. DRILL AND EPOXY TO BRICK AT 12" O.C. AROUND PERIMETER OF OPENING.
19. EXISTING BRICK WALL TO REMAIN. REPLACE DAMAGED BRICKS TO RE-ESTABLISH WALL AS REQUIRED.
20. 1/2" ANGLE OR BENT PLATE.
21. NEW 3'-0" WIDE HVAC OPENING IN THE EXISTING MASONRY WALL BETWEEN MEZZANINE AND SECOND FLOOR. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION. DO NOT OVERCUT OPENING AT CORNERS. USE SMALL HAND HELD CUTTING AND CHIPPING TOOLS TO ACCOMPLISH CORNERS. PROVIDE NEW STEEL FRAME AROUND. (4) SIDES OF OPENING.



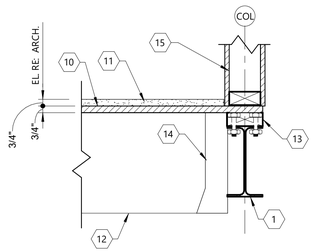
5 Beam To HSS Column
1" = 1'-0"



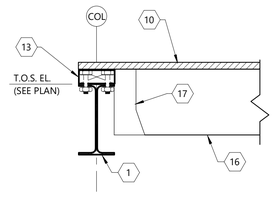
6 Typical Beam To Beam
1 1/2" = 1'-0"



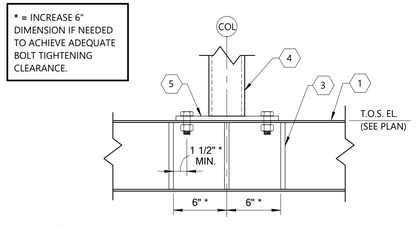
7 Typical Hanger Detail
1 1/2" = 1'-0"



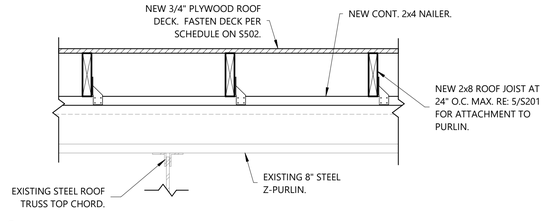
8 Existing Floor Joist To Steel Beam
1 1/2" = 1'-0"



9 New Wood Joist To Steel Beam
1 1/2" = 1'-0"



10 Column On Beam Detail
1 1/2" = 1'-0"



11 New Gym Roof Assembly
1" = 1'-0"

BIM 360://3221105 - JI Watson Elementary Historical Building/Structural - JI Watson Elementary.rvt
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GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

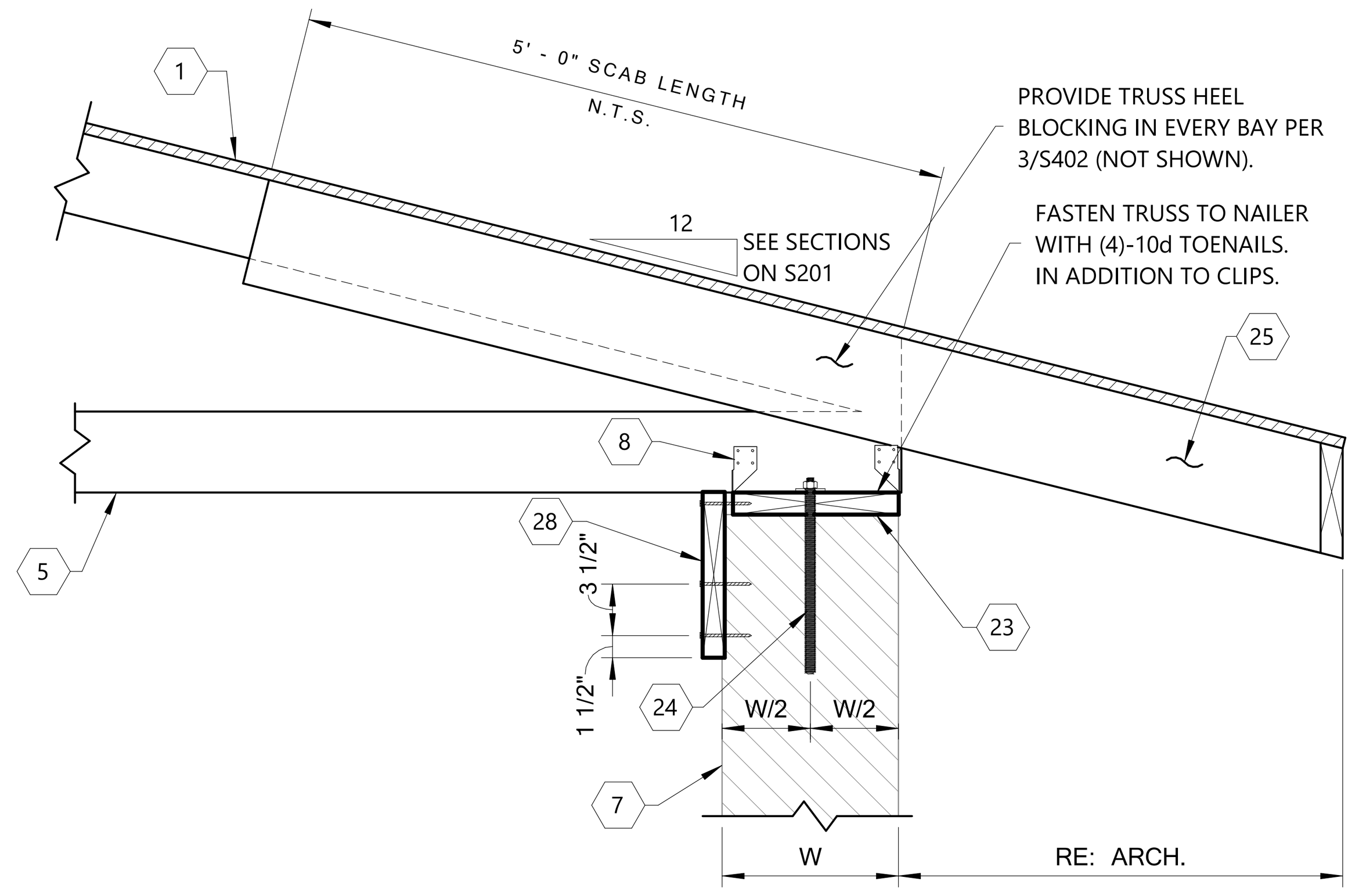
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

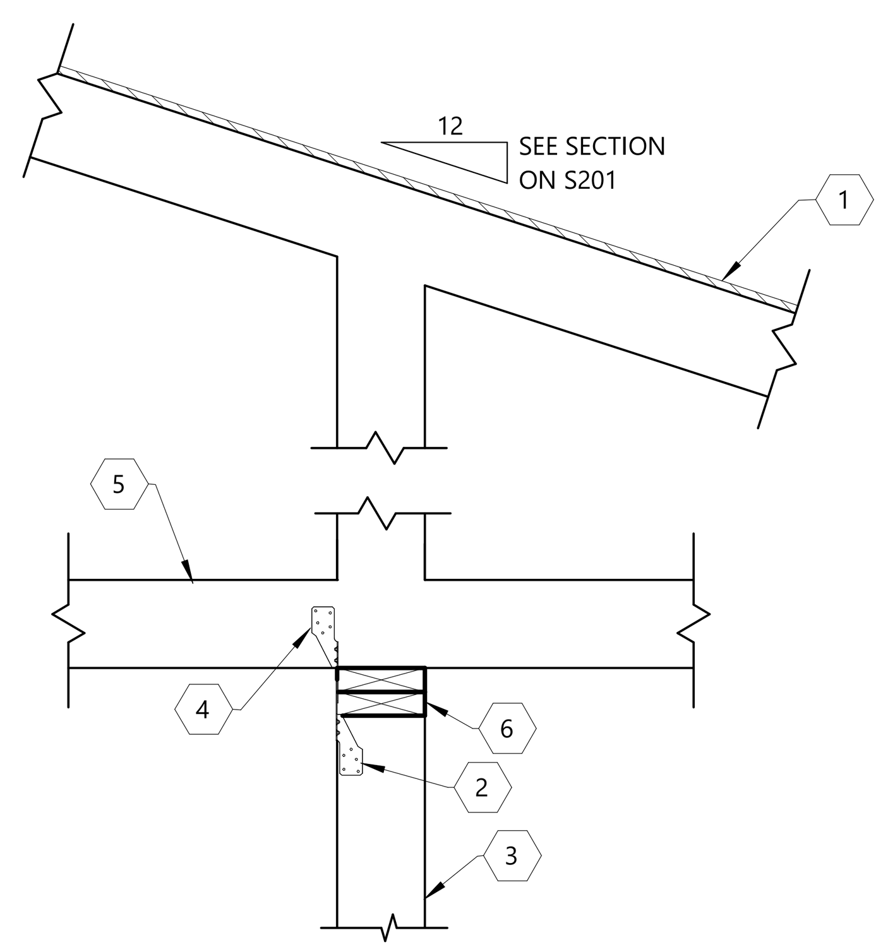
DATE 08/08/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

FRAMING DETAILS

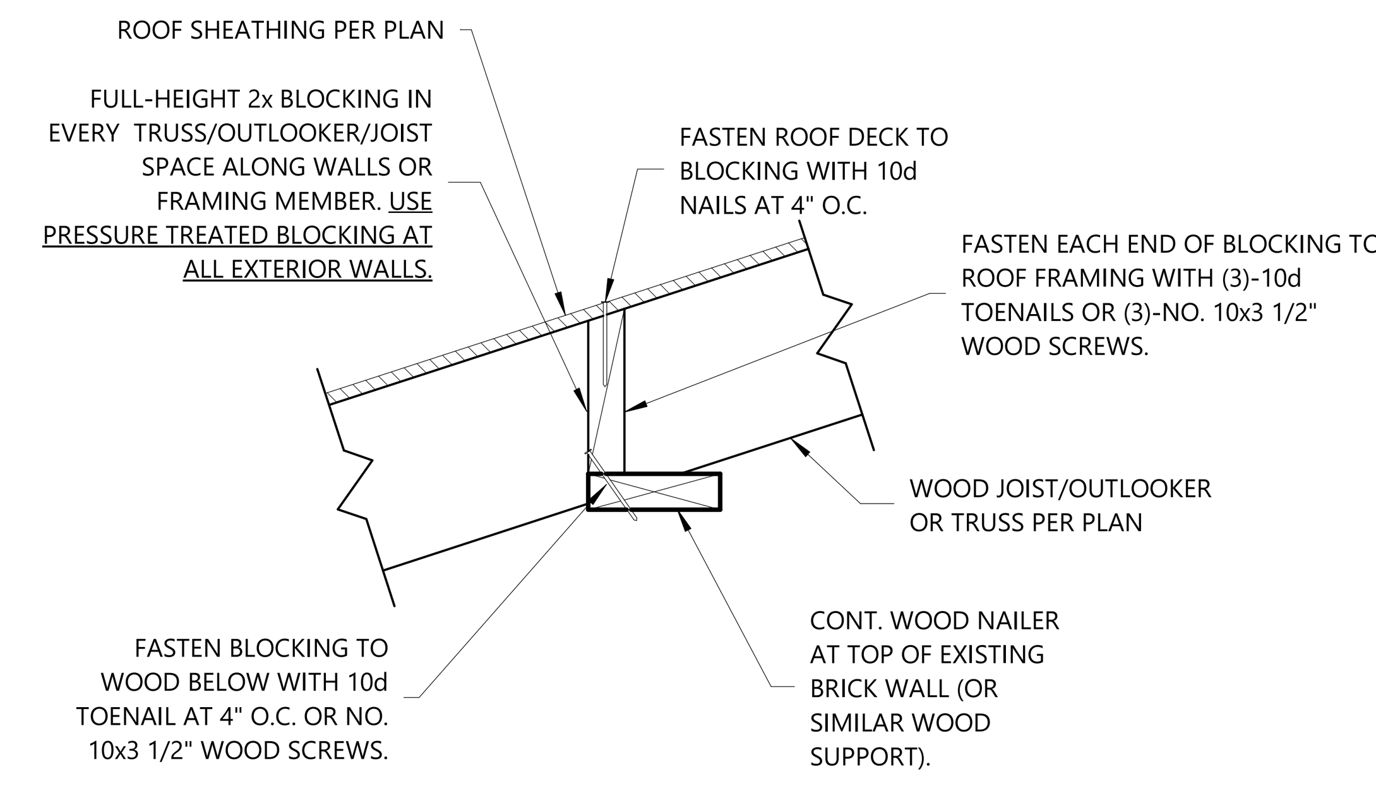
sheet number
S401



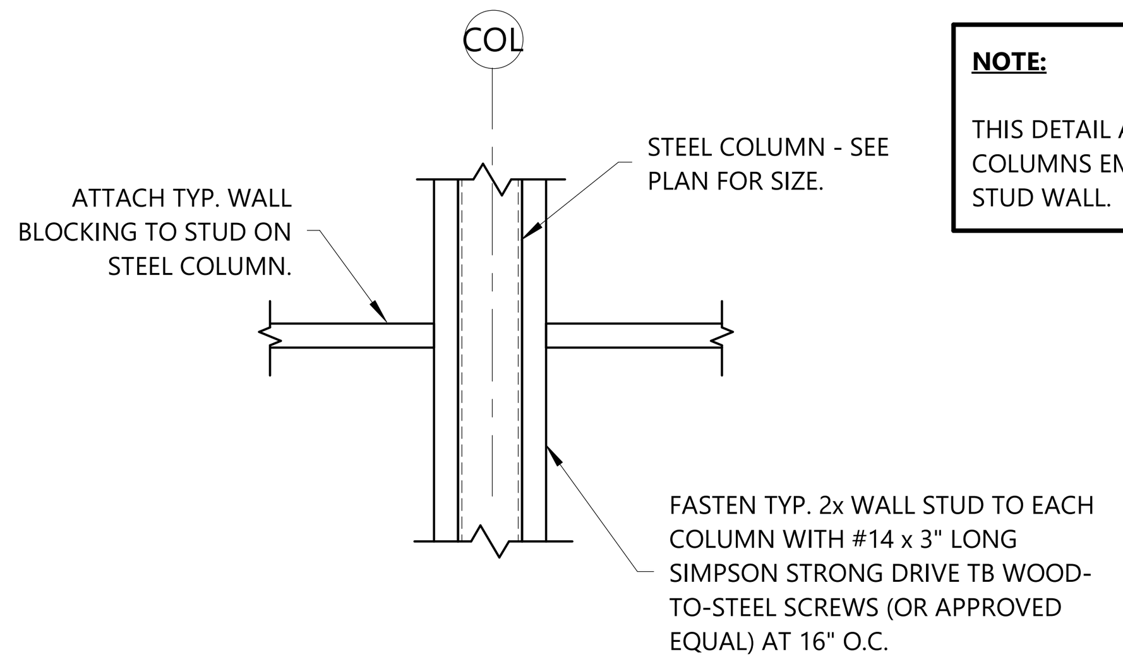
1 Truss To Masonry Wall Connection
1" = 1'-0"



2 Typical Truss At Interior Wall
1" = 1'-0"



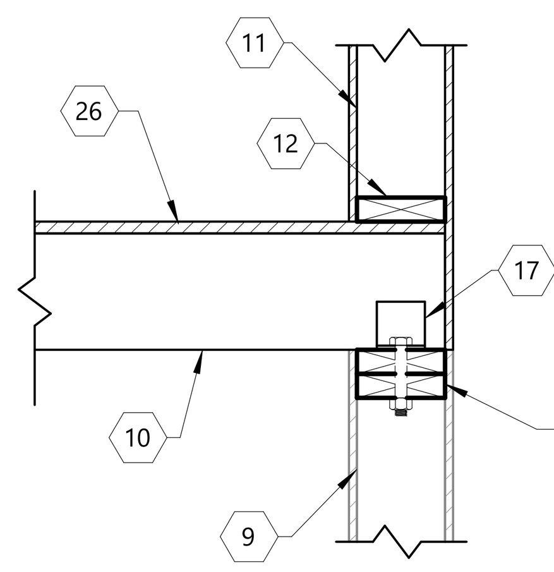
3 Blocking At Roof Framing
1 1/2" = 1'-0"



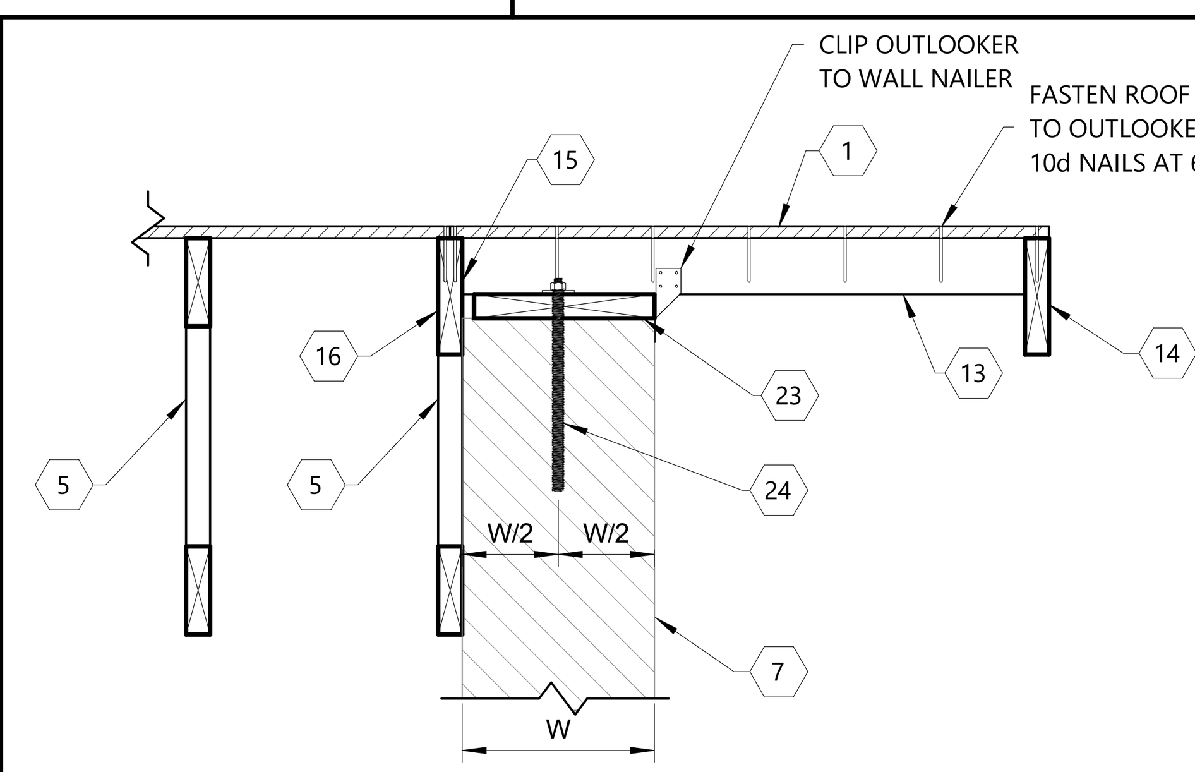
NOTE:

THIS DETAIL APPLIES TO ALL STEEL COLUMNS EMBEDDED IN WOOD STUD WALL. U.N.O.

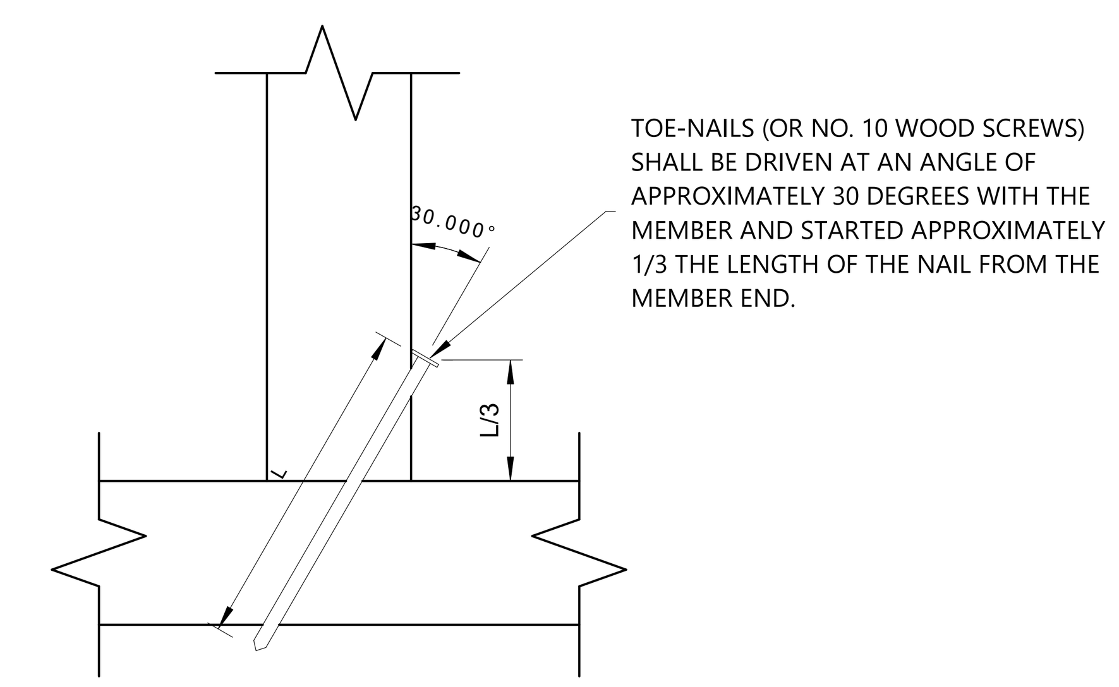
4 Typical Steel Column In Stud Wall
1" = 1'-0"



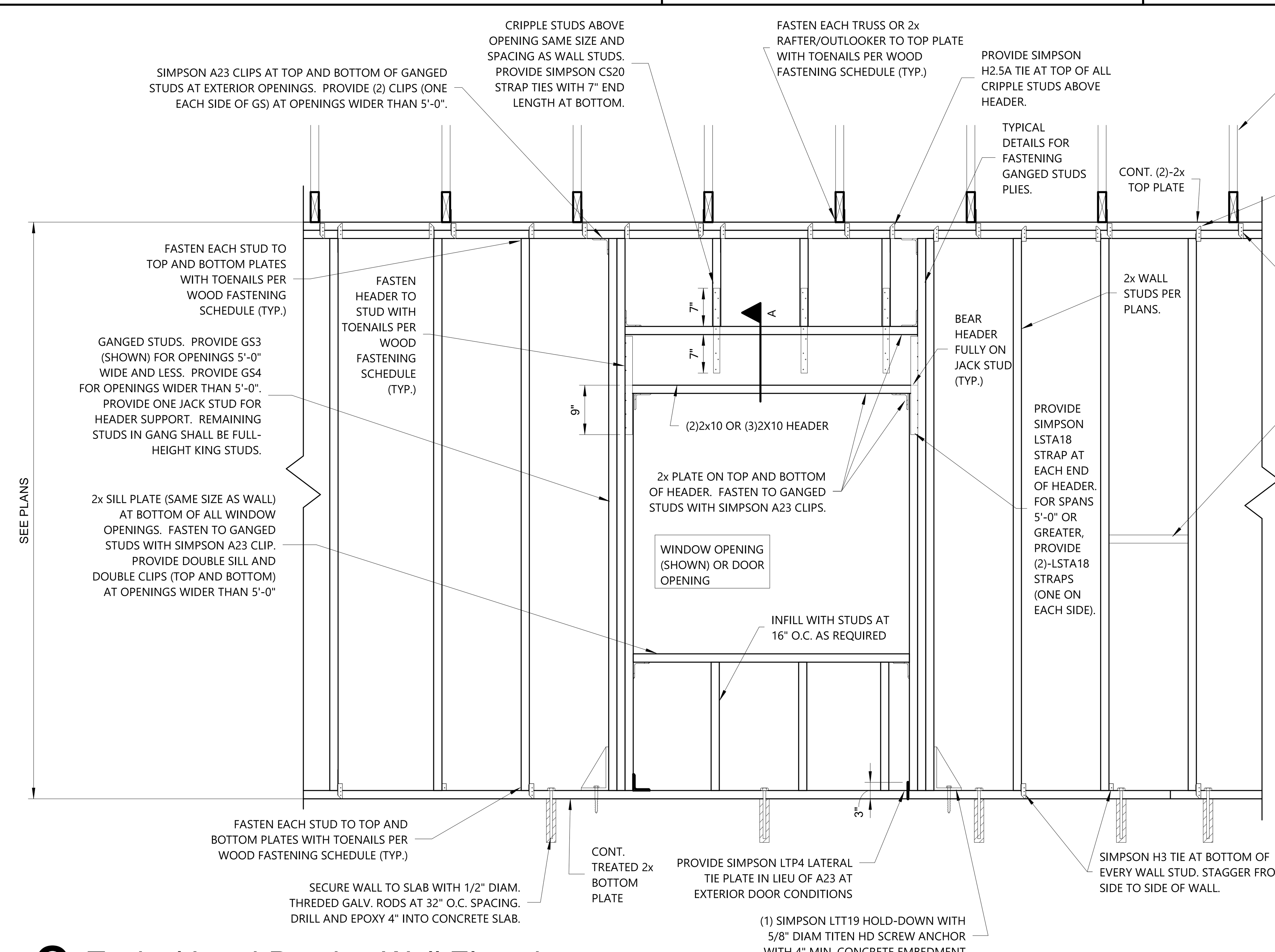
5 Joist Over Wall Connection
1" = 1'-0"



6 Outlooker Detail
1" = 1'-0"



7 Typical Toe-Nail Or Toe-Screw Connx.
6" = 1'-0"

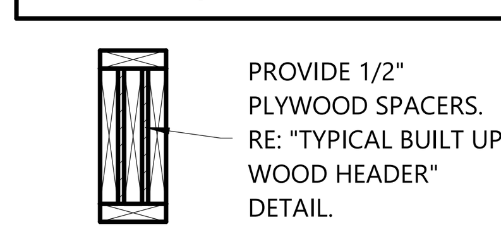


NOTE:

ALL TIES, STRAPS, CLIPS, HOLD-DOWNS AND OTHER HARDWARE MAY BE SUBSTITUTED WITH APPROVED EQUAL PRODUCTS.

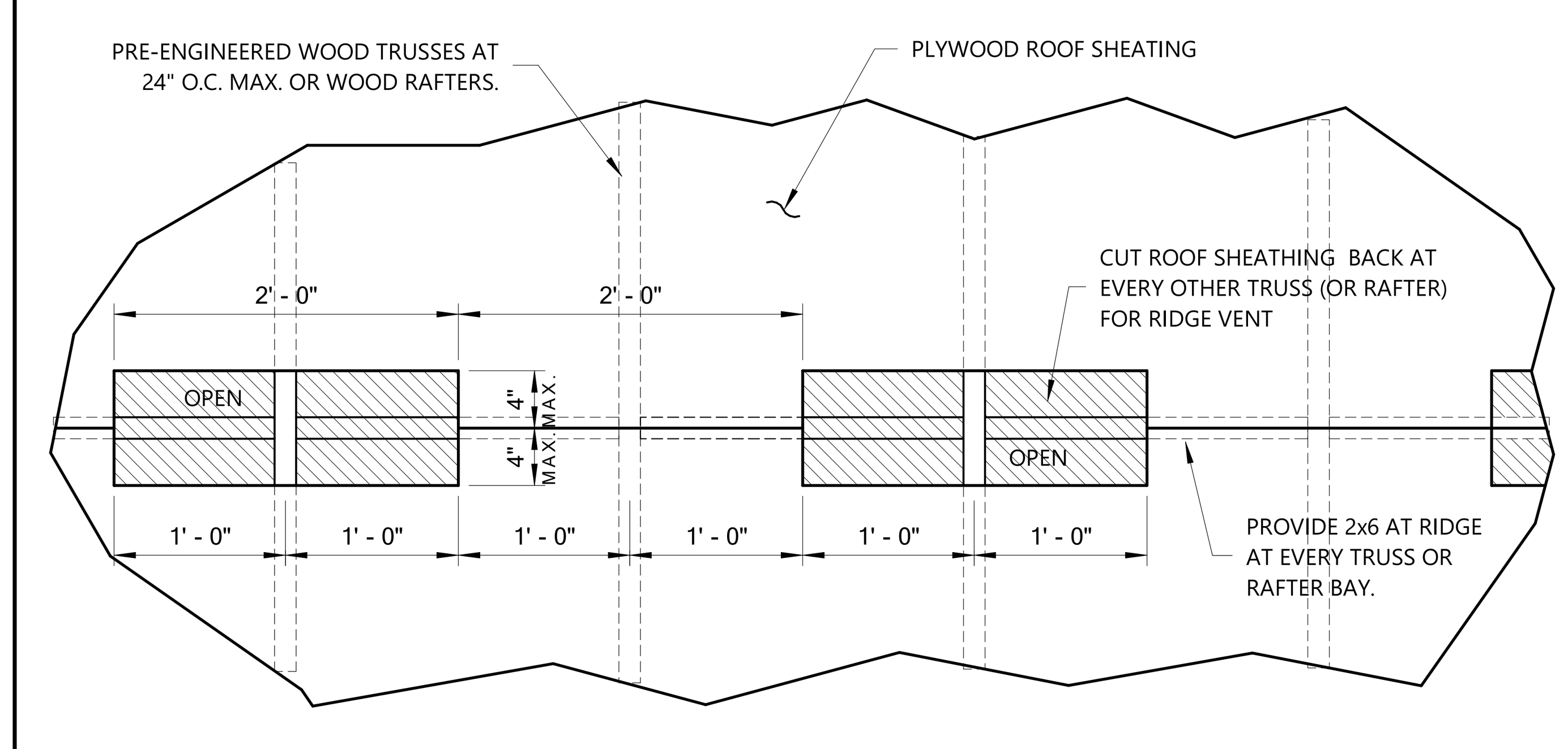
THE REQUIREMENTS SHOWN ON THIS ELEVATION ARE TYPICAL FOR ALL LOAD BEARING WALLS SHOWN ON THE STRUCTURAL PLANS, UNLESS NOTED OTHERWISE.

ALL SIMPSON A23 CLIPS SHOWN ON THIS ELEVATION ARE ONLY REQUIRED AT EXTERIOR WALL OPENINGS.

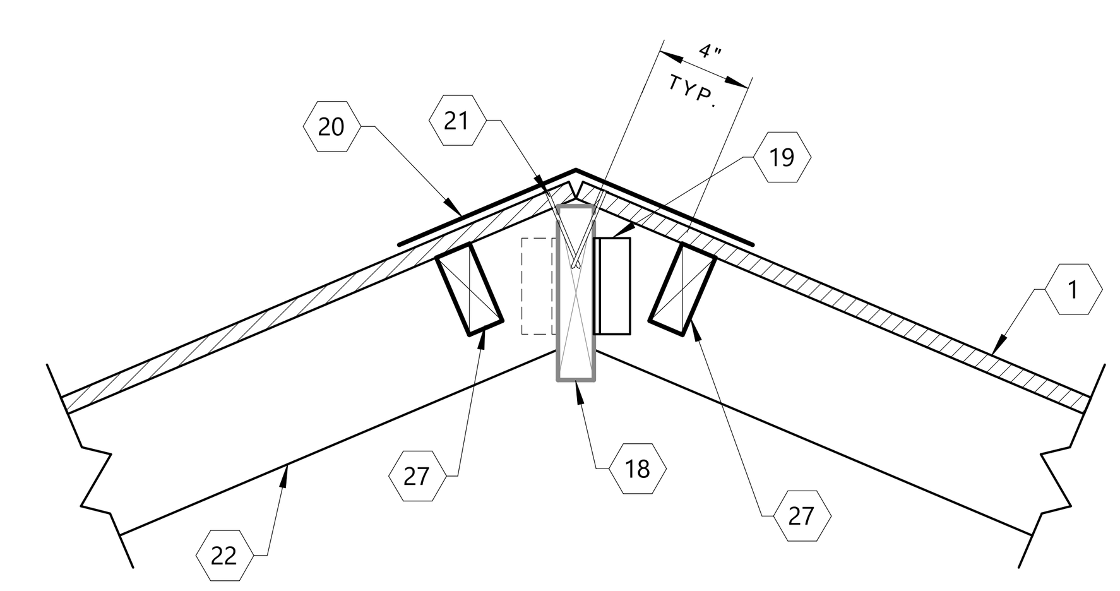


SECTION A

8 Typical Load-Bearing Wall Elevation
3/4" = 1'-0"



9 Ridge Vent Detail - Roof Deck Openings
1" = 1'-0"



10 Existing Rafter To Ridge Connection
1 1/2" = 1'-0"

Keynote Legend

1 3/4" PLYWOOD ROOF DECKING.
2 TYPICAL UPLIFT TIES/STRAPPING IN STUD WALL FRAMING PER DETAIL 8/S402.
3 EXISTING WOOD WALL TO REMAIN.
4 HURRICANE TIES AT EACH TRUSS BEARING POINT. SEE ROOF PLAN FOR TYPE. FOR ATTACHMENT TO TOP OF WALLS, TIES SHALL ATTACH TO SAME SIDE OF TOP PLATES AS THE TIES BETWEEN THE TOP PLATES AND WALL STUDS.
5 PRE-ENGINEERED WOOD ROOF TRUSSES AT 24" O.C. MAX.
6 NEW CONT. DOUBLE 2X TOP PLATE - SAME SIZE AS WALL.
7 EXISTING BRICK WALL TO REMAIN. REPLACE DAMAGED BRICKS TO RE-ESTABLISH WALL AS REQUIRED.
8 FASTEN EACH TRUSS TO WOOD NAILER WITH (2) SIMPSON H3 TIES (ONE EACH SIDE OF NAILER).
9 EXISTING 2x STUD WALL TO REMAIN.
10 NEW 2x FLOOR JOISTS PER PLANS.
11 NEW 2x STUD WALL - RE: ARCH.
12 2x BOTTOM PLATE - MATCH THICKNESS OF WALL.
13 2x4 OUTLOOKERS AT 24" O.C. MAX. FASTEN DECK TO OUTLOOKERS WITH 10d NAILS AT 6" O.C. BEAR SOLIDLY ON EXISTING BRICK WALL.
14 CONT. 2x FASCIA BOARD. FASTEN TO EACH JOIST OR OUTLOOKER WITH (2)-10d FACE NAILS. PROVIDE SIMPSON LTP4 TIE PLATE CENTERED ON ALL SPLICES. DO NOT SPLICE WITHIN 10 FEET OF ROOF CORNER.
15 FASTEN EACH OUTLOOKER TO TRUSS TOP CHORD WITH (4)-10d TOENAILS OR (4)-NO. 10X3 1/2" TOE SCREWS.
16 TRUSS ADJACENT TO WALL SHALL HAVE 2x8 TOP CHORD AND TOP CHORD EXTENSION.
17 SIMPSON GA2 REINFORCING ANGLE AT EACH MEMBER. USE (6) SIMPSON SD #9 x 1 1/2" SCREWS.
18 CONT. 2x RIDGE MEMBER.
19 FASTEN EACH RAFTER TO RIDGE MEMBER WITH SIMPSON A35 FRAMING ANGLE. STAGGER POSITION ON EACH SIDE OF RIDGE. FASTEN CLIP WITH (12)-#9x1 1/2" SD CONNECTOR SCREWS.
20 ALIGN RAFTERS AND PROVIDE SIMPSON LSTA 21 CENTERED ON EACH PAIR ACROSS RIDGE.
21 FASTEN DECK TO RIDGE BEAM WITH 10d NAILS AT 6" O.C.
22 2x ROOF RAFTER PER PLANS.
23 CONT. TREATED 2x12 WOOD NAILER ALONG TOP OF EXISTING BRICK WALL. PLACE FLUSH WITH EXTERIOR BRICK EDGE.
24 3/4" DIAMETER ANCHOR ROD, EPOXY GROUTED INTO BRICK WALL. PROVIDE 12" MIN. EMBEDMENT INTO CENTER OF WALL WIDTH. PROVIDE SCREEN TUBES. PLACE ONE ANCHOR AT 6" TO EACH SIDE OF EACH TRUSS, RAFTER, OR OUTLOOKER BEARING ON PLATE.
25 PROVIDE SCABBED ON 2x8 TO MATCH EXISTING EXPOSED EXTERIOR SOFFIT CONDITION. SECURE TO TRUSS TOP CHORD WITH NO. 10 WOOD SCREWS AT 6" O.C. SPACING.
26 3/4" PLYWOOD FLOOR DECKING.
27 PROVIDE NEW 2x4 BLOCKING IN ALL RAFTER FRAMING BAYS TO ACCOMMODATE CUTTING OF DECK FOR RIDGE VENT. SECURE ENDS OF BLOCKING WITH (3)-#10x3 1/2" WOOD SCREWS INSTALLED AT AN ANGLE.
28 NEW CONTINUOUS TREATED 2x12 HEADER. SECURE TO BRICK WITH (2)-ROWS OF 1/4" DIAMETER x3 1/4" MASONRY SCREWS AT 12" O.C. FASTEN TO WALL TOP PLATE WITH NO. 10x3 1/2" FRAMING SCREWS AT 12" O.C.

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PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
8/8/24

STATE OF LOUISIANA
SADI TORRES
License No. 30413
PROFESSIONAL ENGINEER
IN
ENGINEERING
8/8/24

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/08/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

FRAMING DETAILS

sheet number
S402

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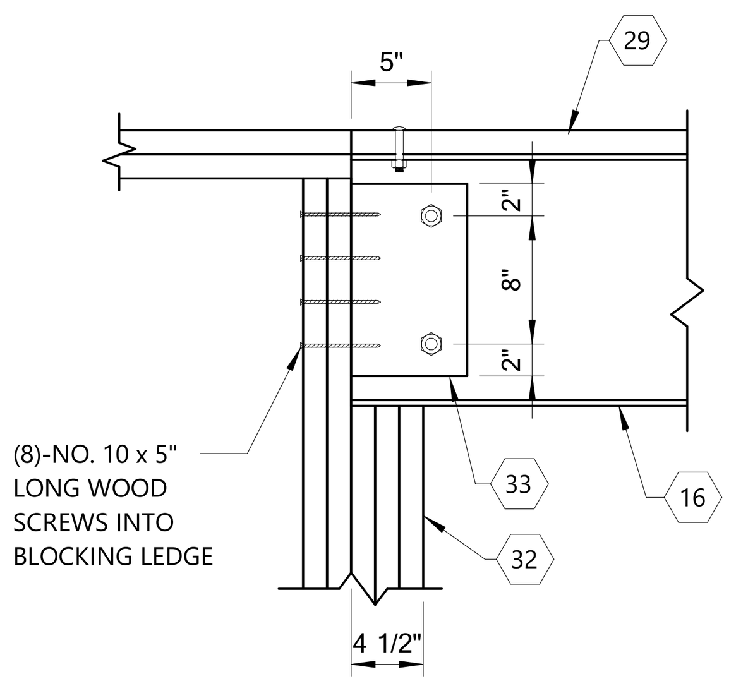
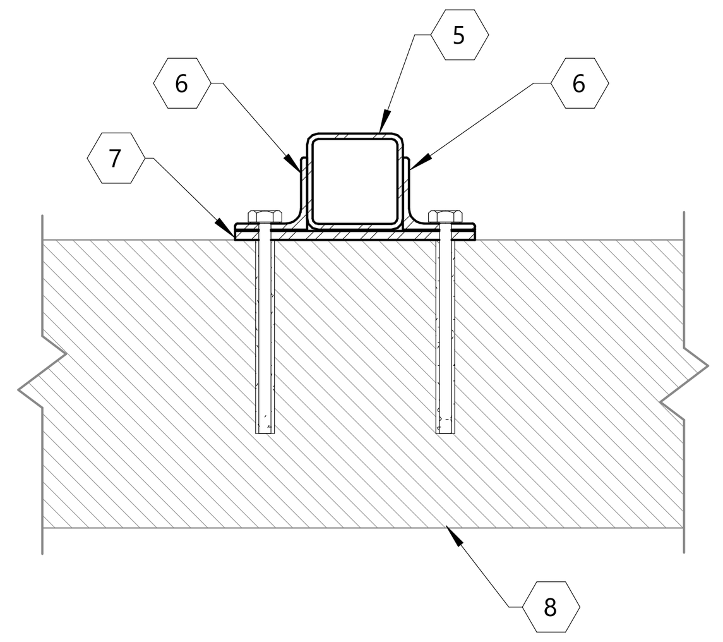
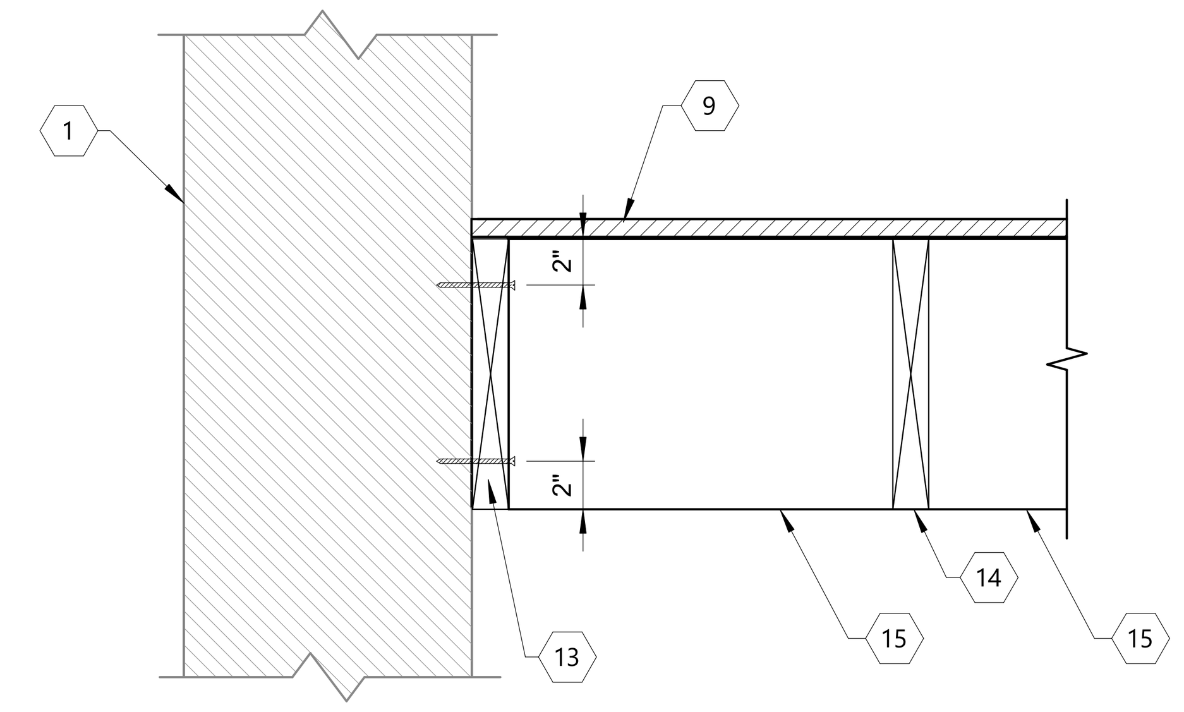


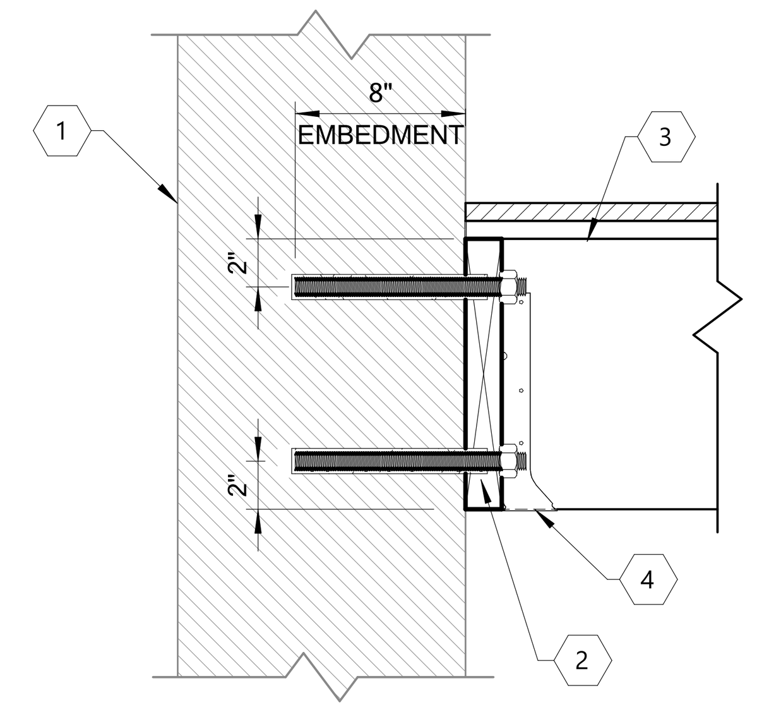
1 Beam To Stud Wall
1" = 1'-0"



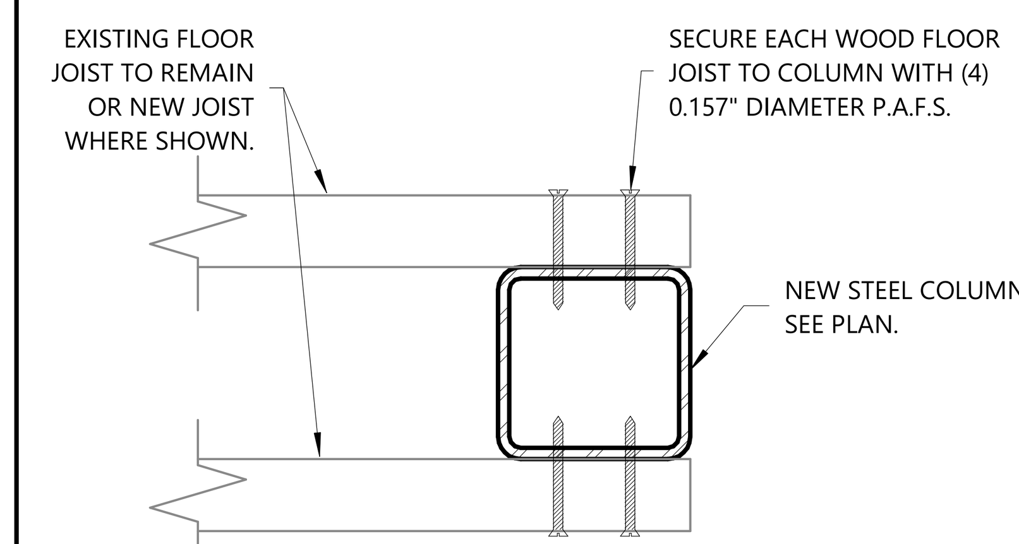
2 HSS Col. Attachment To Wall
1 1/2" = 1'-0"



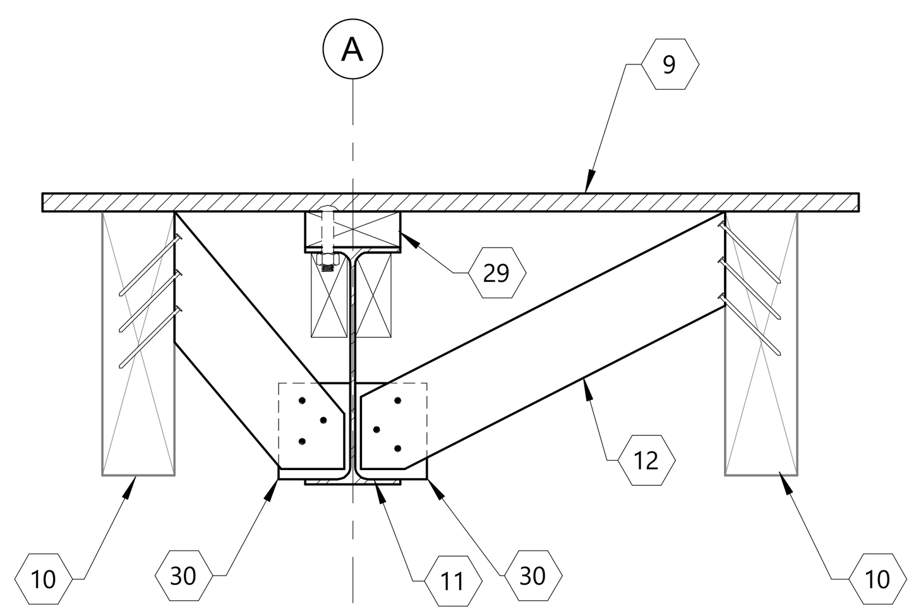
3 Ledger To Masonry Wall
1 1/2" = 1'-0"



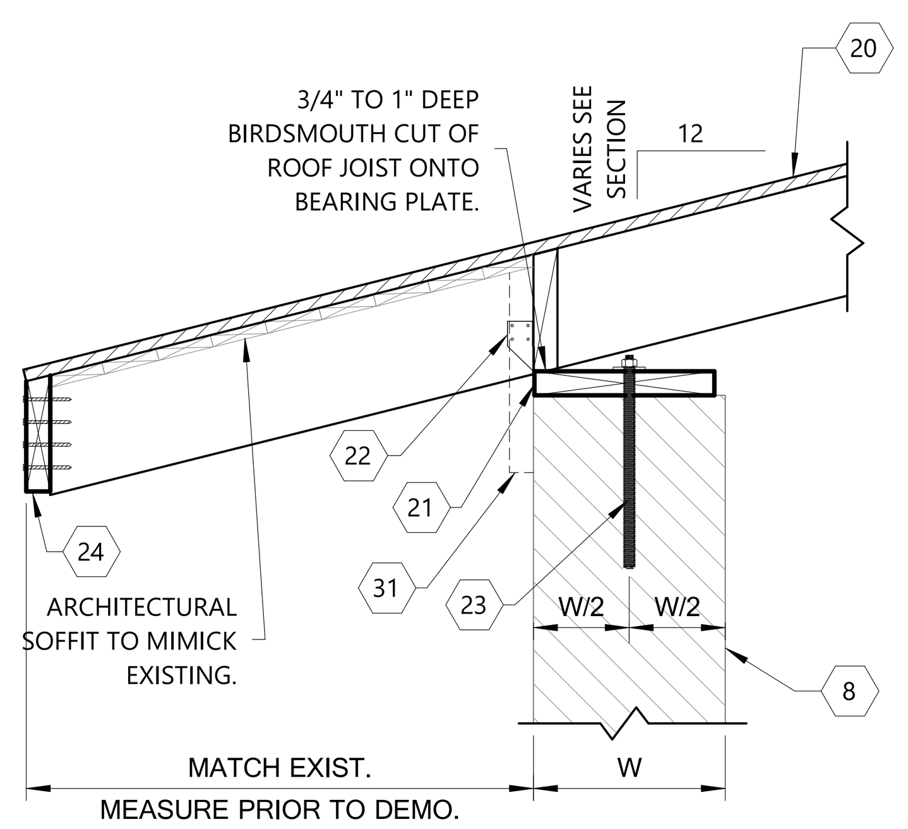
4 Joist To Masonry Wall
1 1/2" = 1'-0"



5 Detail At New Column To Floor Joist
3" = 1'-0"

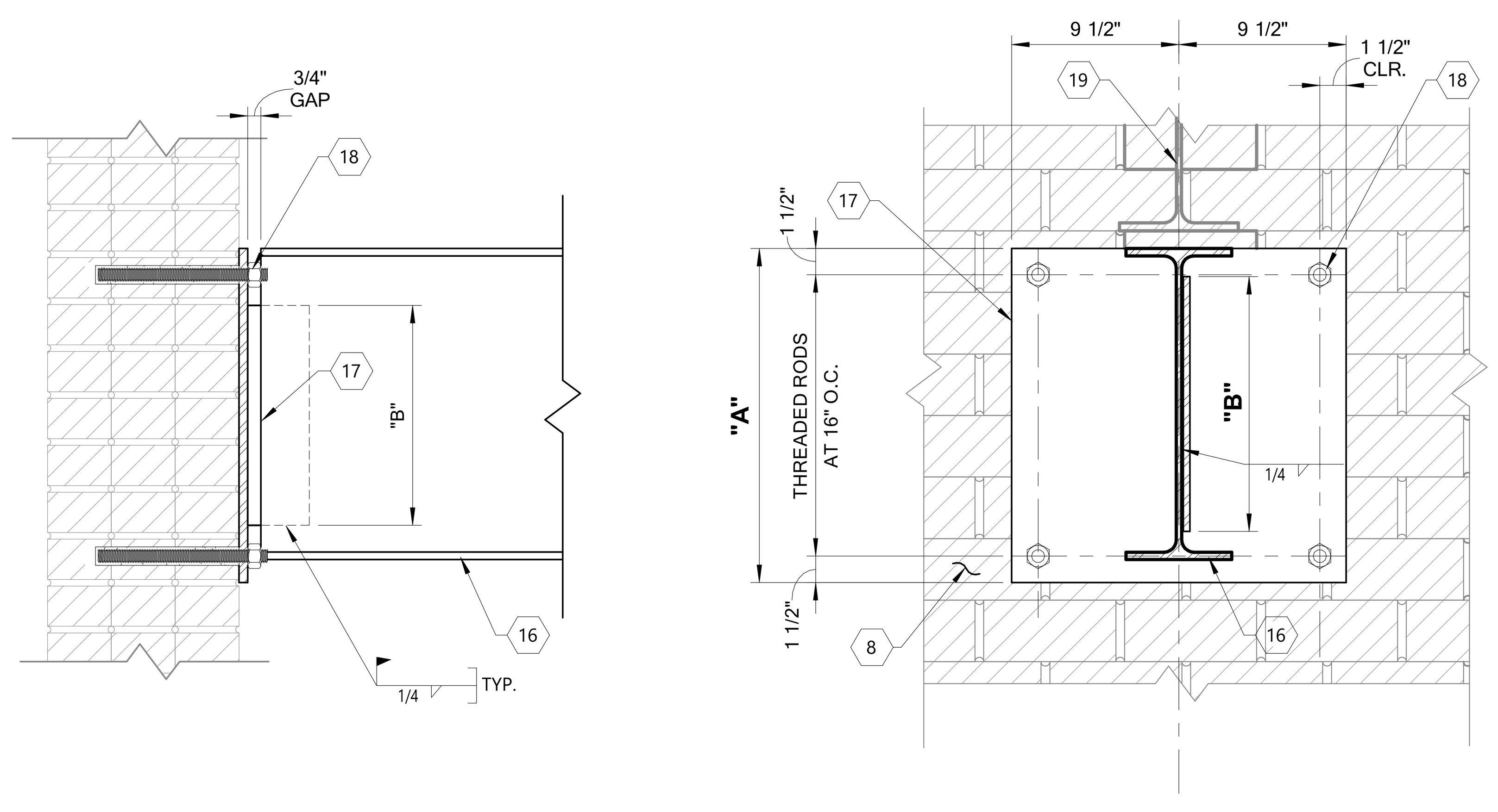


6 WF Beam Blocking
1 1/2" = 1'-0"

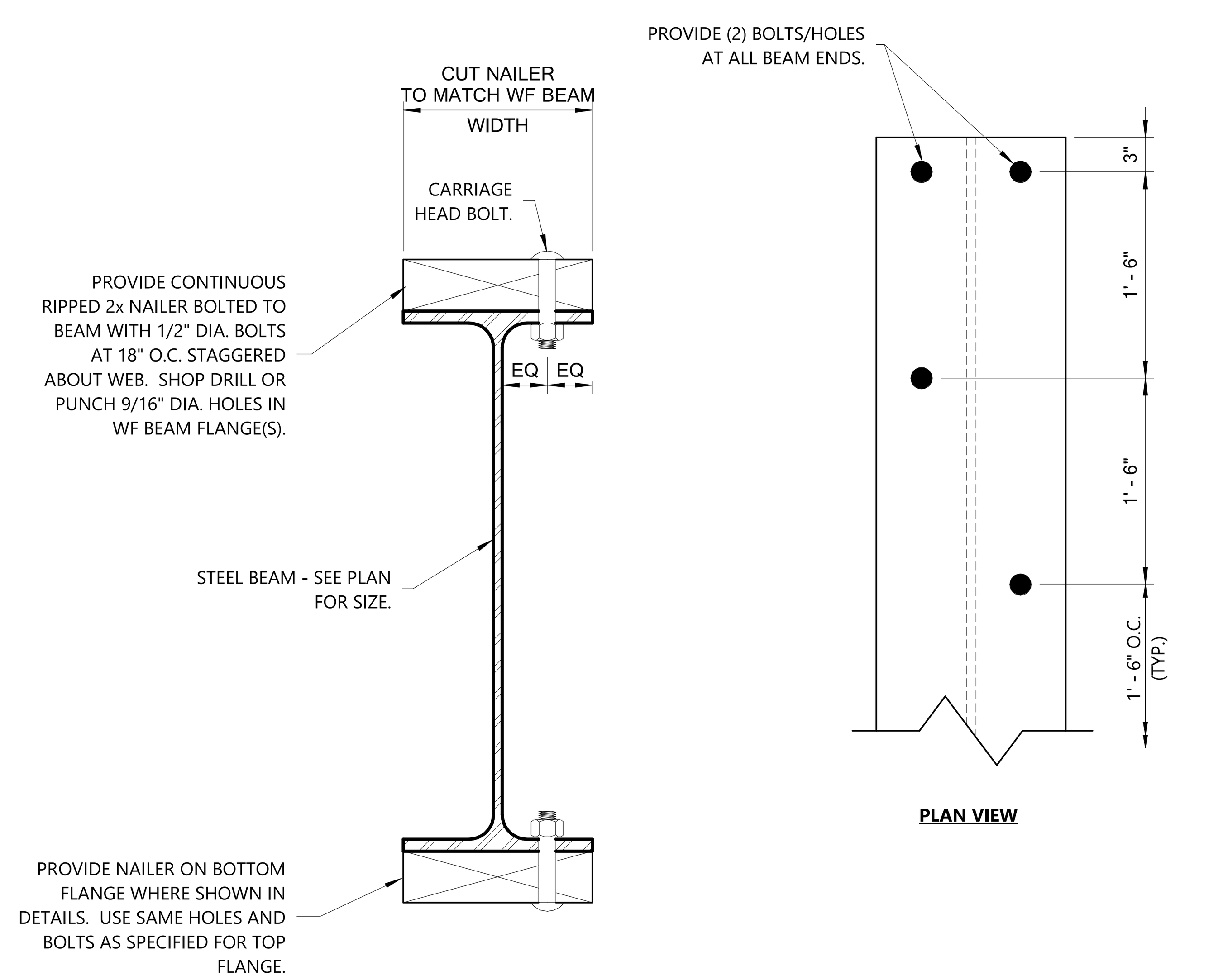


9 Rafter To Wall At Gym
1" = 1'-0"

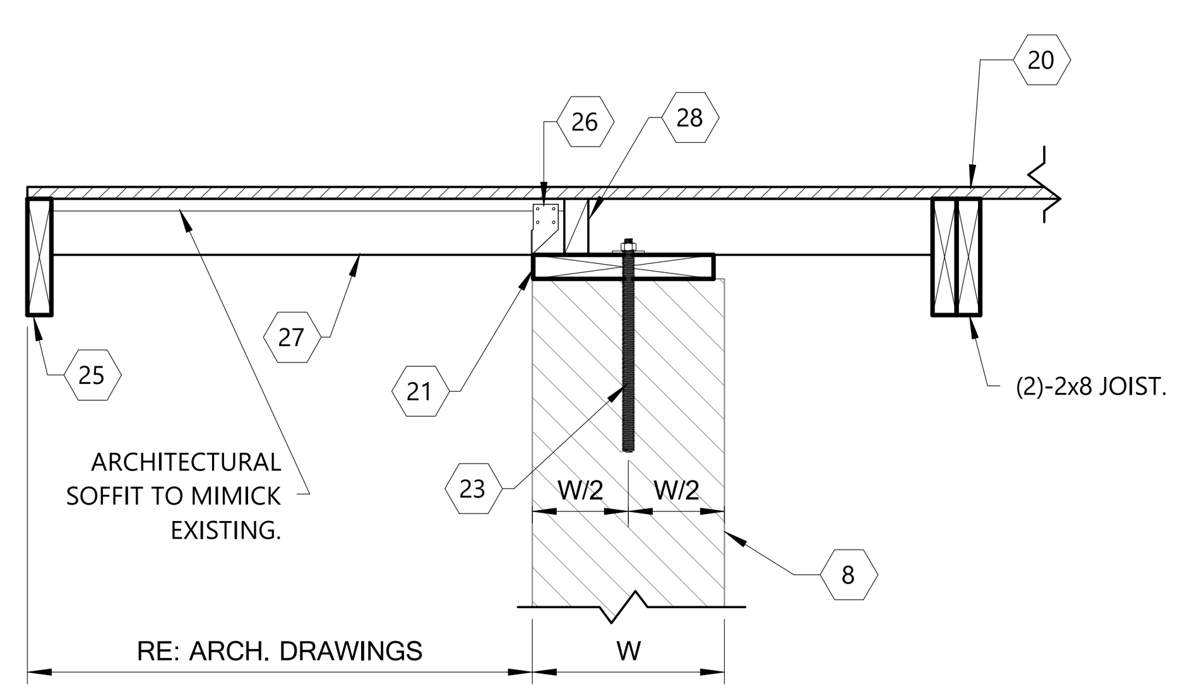
BEAM SIZE	A (inches)	B (inches)	n
W8's	19	4 1/2	4
W10's	19	6 1/2	4
W14's	19	8 1/2	4
W16's	19	11 1/2	4



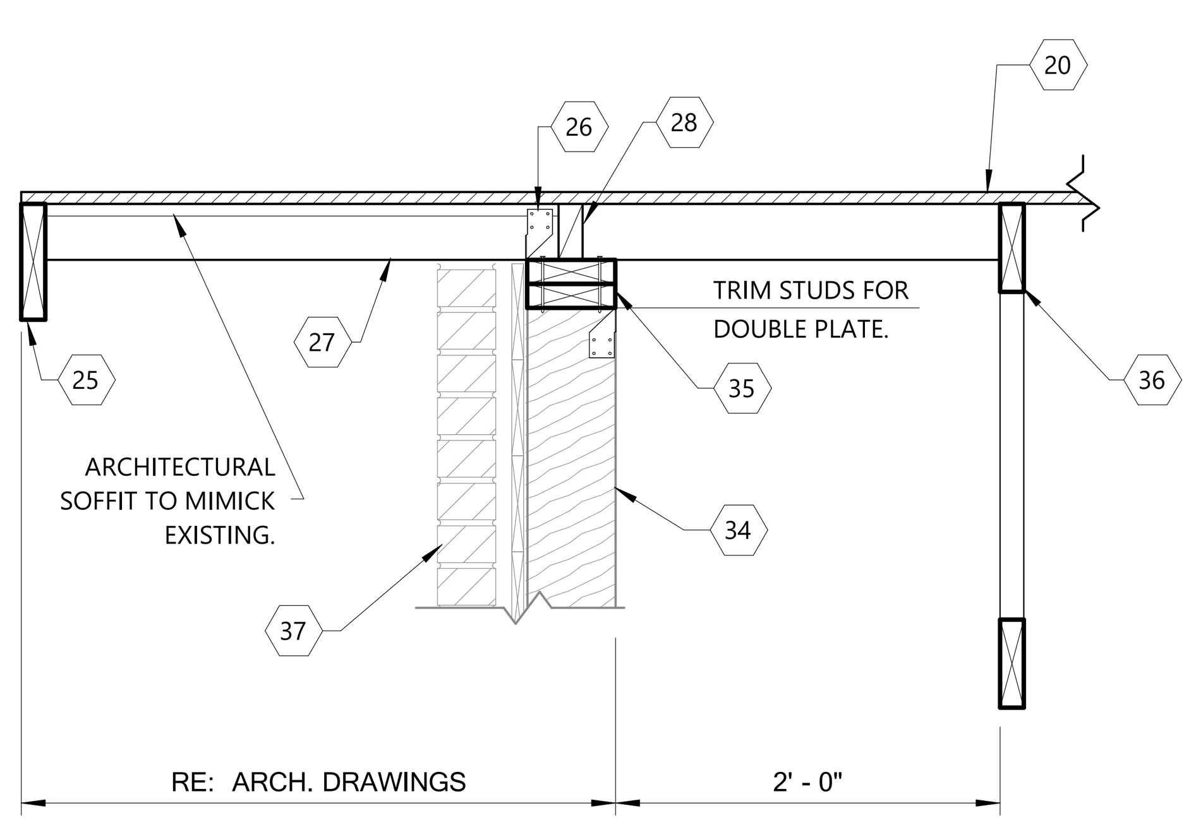
7 New Beam To Existing Masonry Wall Connx.
1 1/2" = 1'-0"



8 Typical Nailer On WF
3" = 1'-0"



10 Gabled Roof Edge Detail
1" = 1'-0"



11 Gabled Roof Edge At Existing Wood Wall
1" = 1'-0"

Keynote Legend

1 EXISTING MULTI-WYTHE BRICK MASONRY WALL.
2 2x LEDGER FOR JOIST SUPPORT. ATTACH TO BRICK WALL WITH (2) OF 3/4" DIA. DRILL AND EPOXY THREADED ROD ANCHORS AT 24" O.C. STAGGER ANCHOR FOR 12" O.C. EFFECTIVE SPACING.
3 2x JOIST - SEE PLAN.
4 SIMPSON HU JOIST HANGER.
5 NEW HSS COLUMN - SEE PLAN FOR MORE INFORMATION.
6 (2)-L3x3x1/4x0'-3" LONG CLIPS WELDED TO HSS COLUMN AT T4'-0" O.C. MAXIMUM SPACING. ATTACH TO EXISTING BRICK WALL WITH (1)-5/8" DIAMETER ANCHOR ROD PER CLIP, DRILL AND EPOXY GROUT INTO WALL. PROVIDE 8" MINIMUM EMBED INTO WALL. PROVIDE SCREEN TUBES.
7 PROVIDE STEEL SHIMS AS REQUIRED BETWEEN COLUMN AND WALL.
8 EXISTING BRICK WALL TO REMAIN. REPLACE DAMAGED BRICKS TO RE-ESTABLISH WALL AS REQUIRED.
9 FLOOR DECK, RE: PLAN. RE: FASTENING SCHEDULE FOR NAILING REQUIREMENTS.
10 EXISTING 3x FLOOR JOIST (TYP.)
11 NEW W12 - SEE PLAN.
12 PROVIDE 2x4 KICKER BRACES AT THIRD POINTS ALONG STEEL BEAM SPAN. SECURE TO GUSSET WITH (3)-#10 x 1 5/8" FRAMING SCREWS. SECURE TO EXISTING JOIST WITH (4)-#12 x 3 1/2" LONG FRAMING SCREWS INSTALLED AT ANGLE TO BRACE.
13 2x LEDGER AT DECK EDGE (NOT A JOIST SUPPORT LINE). SECURE TO MASONRY WITH (2) ROWS OF 1/4" DIA. x 3 1/4" LONG MASONRY SCREWS AT 24" O.C.
14 NEW 2x12 FLOOR JOISTS.
15 2x BLOCKING TO MATCH FLOOR JOIST DEPTH. PROVIDE BLOCKING AT 48" O.C. IN FIRST TWO FRAMING BAYS.
16 STEEL BEAM - SEE PLAN FOR SIZE.
17 1/2" PLATE. FASTEN BEAM TO PLATE WITH A "B"x3 1/2"x3/8" THICK WEB PLATE. FIELD WELD ONE SIDE OF WEB PLATE TO FACE PLATE AND 3 SIDES TO BEAM WEB.
18 3/4" DIAMETER LONG THREADED RODS. DRILL AND EPOXY GROUT INTO EXISTING BRICK WITH 8" EFFECTIVE EMBEDMENT USING EPOXY ADHESIVE ANCHORS WITH SCREEN TUBES.
19 EXISTING STEEL BEAM TO REMAIN.
20 3/4" PLYWOOD ROOF DECKING.
21 CONT. TREATED 2x12 WOOD NAILER ALONG TOP OF EXISTING BRICK WALL. PLACE FLUSH WITH EXTERIOR BRICK EDGE.
22 HURRICANE CLIP AT EACH JOIST.
23 3/4" DIAMETER ANCHOR ROD, EPOXY GROUTED INTO BRICK WALL. PROVIDE 12" MIN. EMBEDMENT INTO CENTER OF WALL WIDTH. PROVIDE SCREEN TUBES. PLACE ONE ANCHOR AT 6" TO EACH SIDE OF EACH TRUSS, RAFTER, OR OUTLOOKER BEARING ON PLATE.
24 CONTINUOUS 2x FASCIA TO MATCH JOIST DEPTH. SECURE TO JOIST WITH (4)-NO. 12"x3" WOOD SCREWS.
25 CONTINUOUS 2x8 FASCIA. SECURE TO EACH OUTLOOKER WITH (3)-NO. 10x3 1/2" WOOD FRAMING SCREWS.
26 PROVIDE AN H3 CLIP BY SIMPSON STRONG-TIE (OR APPROVED EQUAL) AT EACH OUTLOOKER.
27 2x4 OUTLOOKERS AT 24" O.C.
28 RIPPED 2x BLOCKING IN EVERY OUTLOOKER FRAMING BAY.
29 PROVIDE CONTINUOUS WOOD NAILER ON STEEL BEAM FLANGE. RE: 8/S403 FOR MORE INFORMATION.
30 3" WIDE x 4" HIGH x 3/16" GUSSET FOR BRACING AT THIRD POINTS ALONG BEAM.
31 ARCH. TRIM PLATE.
32 (5) NEW GANGED STUD PACK W/I EXISTING STUD WALL FROM SECOND FLOOR TO STEEL BEAM.
33 2x8 x 12" LONG BLOCK ON EACH SIDE OF BEAM WEB BOLTED TO BEAM WITH (2)-3/4" DIA. THROUGH BOLTS.
34 EXISTING 2x STUD WALL TO REMAIN.
35 PROVIDE A NEW 2x6 DOUBLE TOP PLATE OVER EXISTING 2x6 STUDS. SECURE TOP PLATES TO EACH STUD WITH H2.5 CLIP BY SIMPSON STRONG-TIE (OR APPROVED EQUAL).
36 PRE-ENGINEERED WOOD ROOF TRUSSES AT 24" O.C. MAX.
37 EXISTING BRICK VENEER TO REMAIN.

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GHC
GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:
STATE OF LOUISIANA
TRAVIS A. FOX
License No. 31631
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
8/8/24

STATE OF LOUISIANA
SADI TORRES
License No. 30413
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
8/8/24

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/08/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

FRAMING DETAILS

sheet number
S403

BIM 360://3221105 - JI Watson Elementary Historical Building/Structural - JI Watson Elementary.rvt
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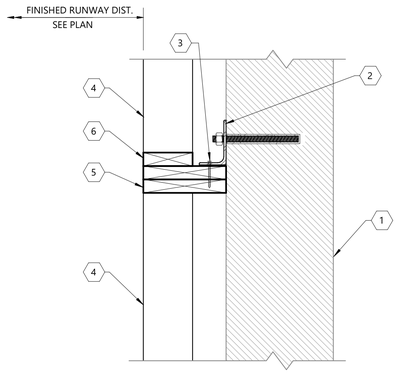
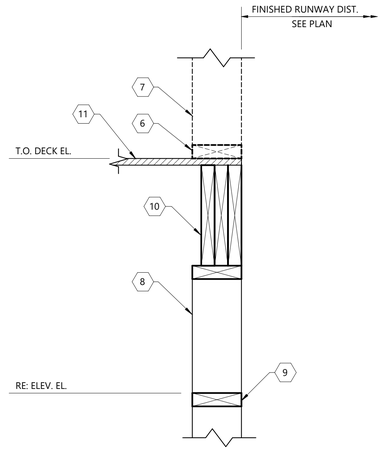


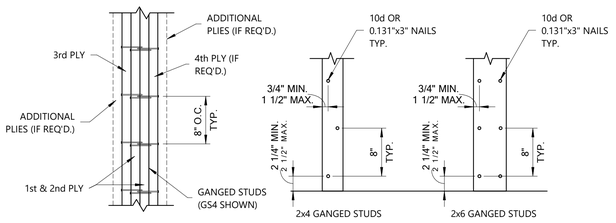
1 Section At Elevator Lift
1 1/2" = 1'-0"



2 Section At Elevator Lift
1 1/2" = 1'-0"

NOTE:

NO. 10 x3" OR 3 1/2" SCREWS MAY BE SUBSTITUTED FOR NAILS AT CONCTRACTOR'S OPTION.



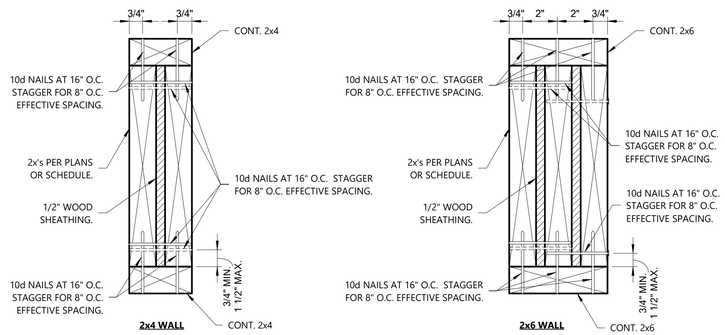
3 Ganged Stud Fastening
1" = 1'-0"

Keynote Legend

1 EXISTING MULTI-WYTHE BRICK MASONRY WALL.
2 ANGLE L5x3x3/8 LEDGER CONTINUOUS ALONG WALL ATTACH TO (E) BRICK WALL WITH 3/4" DIAMETER ALL THREADED ROD. DRILL AND EPOXY GROUT INTO (E) BRICK, PROVIDE 8" MINIMUM EMBEDMENT. USE EPOXY ADHESIVE WITH SCREEN TUBES. SPACE A.R.'s 12" O.C.
3 NO. 10 x3" SCREWS AT 6" O.C.
4 2x STUD - SEE PLAN.
5 2x DOUBLE TOP PLATE. USE (2)-NOMINAL SIZES UP FROM STUDS. (EX. USE 2x10 PLATE FOR 2x6 STUDS).
6 SILL PLATE.
7 JAMB BEYOND.
8 JAMB BEYOND. LEAVE THIS SECTION FREE OR STUDS FOR DOOR INSTALLATION AND ADJUSTMENTS.
9 HEADER.
10 (3)-2x12.
11 PLYWOOD FLOOR DECK PER SCHEDULE ON S502.

NOTE:

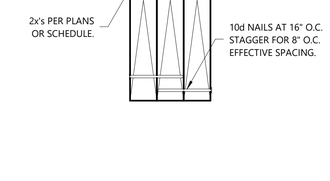
NO. 10 x3" OR 3 1/2" SCREWS MAY BE SUBSTITUTED FOR NAILS AT CONCTRACTOR'S OPTION.



4 Typical Built Up Wood Header
3" = 1'-0"

NOTE:

NO. 10 x3" OR 3 1/2" SCREWS MAY BE SUBSTITUTED FOR NAILS AT CONCTRACTOR'S OPTION.



5 Typical Built-Up Beam Section
3" = 1'-0"

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

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GENERAL NOTES

A. APPLICABLE DESIGN CODES & MISCELLANEOUS

INTERNATIONAL BUILDING CODE 2021
AMERICAN CONCRETE INSTITUTE 318
MANUAL OF STEEL CONSTRUCTION
NATIONAL DESIGN SPECIFICATION

IBC CHAPTER 17 SPECIAL INSPECTIONS:
THE OWNER OR THE OWNER'S REPRESENTATIVE IS REQUIRED TO PROVIDE SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF IBC 2021. THE GENERAL CONTRACTOR IS REQUIRED TO ENGAGE AND ACCOMMODATE THE REQUIRED SPECIAL INSPECTIONS BY PROVIDING ACCESS TO ELEMENTS REQUIRED FOR INSPECTION AND BY NOTIFYING THE TESTING AGENCY 48 HOURS PRIOR TO A REQUIRED INSPECTION EVENT. THE CONTRACTOR SHALL PROVIDE REPORTS FROM THE TESTING AGENCY INDICATING COMPLIANCE WITH THE IBC REQUIREMENTS FOR:
- STEEL CONSTRUCTION (IBC 1705.2)
- CONCRETE CONSTRUCTION (IBC 1705.3)
- MASONRY CONSTRUCTION (IBC 1705.4)

STRUCTURAL OBSERVATIONS:
STRUCTURAL OBSERVATIONS SHALL BE CONDUCTED BY THE ENGINEER OF RECORD TO ASSURE GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THESE OBSERVATIONS WILL NOT TAKE THE PLACE OF THE CODE REQUIRED SPECIAL INSPECTIONS LISTED ABOVE OR ANY OTHER INSPECTIONS REQUIRED BY THE LOCAL BUILDING OFFICIAL. NOTIFY ENGINEER OF RECORD AND ARCHITECT FOR STRUCTURAL OBSERVATION VIA EMAIL A MINIMUM OF 72 HOURS PRIOR TO ANY OF THE FOLLOWING EVENTS:
- ALL CONCRETE/GROUT POURS (WITH IDENTIFICATION OF SPECIFIC ELEMENTS TO BE POURED).
- NEAR COMPLETION OF STRUCTURAL STEEL ERECTION.
- PLACEMENT OF INTERIOR SHEATHING OR INSULATION COVERING WOOD FRAMING
- PLACEMENT OF ROOFING COVERING ROOF DECK.

FAILURE TO NOTIFY MAY REQUIRE REMOVAL OF COMPLETED WORK.

PROVIDE COMPREHENSIVE ELECTRONICALLY TRANSMITTED PHOTOS OF ANY REQUESTED WORK TO ENGINEER PRIOR TO ANY OF THE ABOVE EVENTS IN LIEU OF OBSERVATION IF DEEMED ACCEPTABLE BY ENGINEER.

B. DESIGN LOADS AND REQUIREMENTS SECTION

(1) FIRST FLOOR DESIGN LOADS
LIVE LOAD ------------------- 40 PSF (REDUCIBLE)
LIVE LOAD ------------------- 2000 LB (CONCENTRATED)
PARTITION LIVE LOAD ------ 15 PSF (NON-REDUCIBLE)

(2) SECOND FLOOR DESIGN LOADS
LIVE LOAD ------------------- 40 PSF (REDUCIBLE)
LIVE LOAD ------------------- 2000 LB (CONCENTRATED)
PARTITION LIVE LOAD------- 15 PSF (NON-REDUCIBLE)

(3) ROOF DESIGN LOADS
LIVE LOAD ------------------------20 PSF (REDUCIBLE)
LIVE LOAD --------------------300 LB (CONCENTRATED)
GROUND SNOW LOAD ---------- 0 PSF

(4) LATERAL DESIGN - WIND
ASCE 7-16
ULTIMATE DESIGN WIND SPEED (V_{ult})------- 140 MPH
NOMINAL DESIGN WIND SPEED (V_{asd})------- 108 MPH
EXPOSURE CATEGORY ------------------------ C
RISK CATEGORY ------------------------------- III
INTERNAL PRESSURE COEFFICIENT ----------- +/-0.18
MWFRS - DIRECTIONAL PROCEDURE

(5) LATERAL DESIGN -SEISMIC
ASCE 7-16
IMPORTANCE FACTOR --------------- 1.25
S_s --------------------------------------- 0.084g
S_1 --------------------------------------- 0.050g
SITE CLASS ---------------------------- D
S_{ds} -------------------------------------- 0.090g
S_{d1} ------------------------------------ 0.080g
SEISMIC DESIGN CATEGORY-------- B
C_s ------------------------------------- 0.037
DESIGN BASE SHEAR ---------------- 0.037*W
R --------------------------------------- 1.5
EQUIVALENT LATERAL-FORCE ANALYSIS METHOD.
LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS.

C. EARTHWORK

ALL SOIL BACKFILL BENEATH AREAS OF SLAB REMOVAL AND REPLACEMENT SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST (ASTM D698).

PLACE BACKFILL AND FILL SOIL MATERIALS IN LAYERS NOT MORE THAT 4" TO 6" IN LOOSE DEPTH.

D. CONCRETE AND GROUT

CONCRETE MIXING, HANDLING, PLACING, AND CURING SHALL BE IN ACCORDANCE WITH ACI 301.

SEE THE "CONCRETE MIX REQUIREMENTS" TABLE FOR DESCRIPTIONS AND REQUIREMENTS OF CONCRETE TYPES.

FLY ASH IS NOT PERMITTED IN ANY CONCRETE FOR THIS PROJECT.

SLAG IS NOT PERMITTED IN ANY CONCRETE FOR THIS PROJECT.

ALL GROUT SHALL BE NON-SHRINK GROUT. THERE SHALL BE 1 1/2" NON-SHRINK GROUT BENEATH ALL COLUMN BASE PLATES, U.N.O.

ALL FLOOR DRAINS, DROPS, CURBS, ETC. SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

SEE PLUMBING DRAWINGS FOR LOCATIONS OF ALL FLOOR DRAINS. SLOPE GROUND FLOOR SLAB AND ELEVATED SLABS AT ALL FLOOR DRAINS AWAY FROM WALLS IN ROOM TO LOW POINT AT FLOOR DRAIN WHICH SHALL BE SET 1/2" BELOW FINISHED FLOOR OF SLAB, UNLESS NOTED OTHERWISE.

ALL INTERIOR CONSTRUCTION JOINTS TO BE FILLED WITH EUCLID EUCO 700 SEMI-RIGID EPOXY JOINT FILLER OR APPROVED EQUAL COMPLIANT TO ACI 302 RECOMMENDATIONS REGARDING CONTROL AND CONSTRUCTION JOINTS.

ALL EXTERIOR CONSTRUCTION JOINTS TO BE FILLED WITH EUCLID EUCOLASTIC 1 ONE PART URETHANE JOINT FILLER OR APPROVED EQUAL COMPLIANT TO ASTM C920 GRADE P, CLASS 25.

VERIFY ALL SLAB EDGE DIMENSIONS AT DOORS AND FULL-HEIGHT WINDOWS WITH ARCHITECTURAL DRAWINGS PRIOR TO SETTING OF GROUND FLOOR SLAB EDGE FORMS. AT LOCATIONS WHERE SLAB EDGE EXTENDS PAST OUTSIDE EDGE OF DOOR OR FULL-HEIGHT WINDOW, SLOPE SLAB DOWN 1/4" FROM OUTSIDE FACE OF DOOR WINDOW TO SLAB EDGE, UNLESS NOTED OTHERWISE.

ALL EDGES OF NEW SLAB CONCRETE TO EXISTING CONCRETE (IN REMOVE AND REPLACE APPLICATIONS) SHALL BE COATED WITH SIKADUR-32 HI-MOD EPOXY BONDING ADHESIVE (OR APPROVED EQUAL). PLACE FRESH CONCRETE WHILE BONDING AGENT IS STILL TACKY.

E. CONCRETE REINFORCEMENT

ALL REBARS SHALL BE GRADE 60 (FY = 60,000 PSI MIN.)

VAPOR RETARDER AT GROUND FLOOR SLABS TO BE 15 MIL. WITH TAPED JOINTS. REFERENCE SPECIFICATIONS FOR CAST-IN-PLACE CONCRETE FOR ADDITIONAL INFORMATION.

ALL WELDED WIRE MESH SHALL HAVE 8" MIN. LAP BETWEEN SHEETS.

PLACE AND SECURE ALL EMBEDDED ITEMS INCLUDING REINFORCING DOWELS, ANCHOR BOLTS, FORM SAVER DOWELS AND EMBED PLATES PRIOR TO PLACING OF CONCRETE. DO NOT WET STICK ANY OF THESE ITEMS. UNLESS NOTED OTHERWISE HEREIN OR PERMITTED BY ENGINEER OF RECORD IN WRITING. THIS DOES NOT APPLY TO SINGLE-BAR REINFORCEMENT IN DRILLED SHAFTS.

THE CONTRACTOR SHALL INCLUDE IN THE BID THE COMPLETE COST OF AN ADDITIONAL 100 POUNDS OF UNSCHEDULED ASTM A615 GRADE 60 REBAR FOR MISCELLANEOUS USE TO BE FABRICATED, DELIVERED, PLACED, AND TIED AS DIRECTED BY STRUCTURAL ENGINEER.

F. STRUCTURAL STEEL

STRUCTURAL STEEL MEMBERS SHALL BE MADE USING THE FOLLOWING GRADES:

WIDE FLANGE SHAPES ------------- ASTM A-992
HSS -------------------------------- ASTM A500, GRADE C
PIPES -------------------------------- ASTM A53, TYPE E OR S
PLATE, BARS, & ANGLES ------------ ASTM A36

ALL STRUCTURAL STEEL SHALL BE FABRICATED, COATED, AND ERECTED AS PER THE AISC SPECIFICATIONS.

ALL WELDS SHALL BE WITH E70XX ELECTRODES AND IN ACCORDANCE WITH AWS STANDARDS. MINIMUM FILLET WELD SIZE SHALL BE 1/4" - U.N.O. FOULING ELEMENTS SUCH AS PAINT, OIL, GREASE, OR OTHER CONTAMINANTS SHALL BE REMOVED AT ALL WELDED CONNECTIONS PRIOR TO WELDING.

ALL FRAMING CONNECTIONS SHALL BE MADE WITH THE MAXIMUM NUMBER OF ROWS OF 3/4" A325-N TENSION CONTROL BOLTS FOR GIVEN BEAM DEPTH. - U.N.O.

ALL TUBULAR STEEL COLUMNS SHALL HAVE 1/2" CAP PLATES - U.N.O.

THE CONTRACTOR SHALL ASSURE THAT THE STRUCTURE HAS BEEN ERECTED TRUE AND SUITABLE TEMPORARY BRACING AND GUYS SHALL BE INSTALLED TO MAINTAIN SAID TRUENESS. THE STRUCTURAL STEEL FRAMEWORK SHALL BE BRACED OR GUYED UNTIL FINAL ERECTION IS COMPLETE AND DECKING AND PERMANENT BRACES HAVE BEEN ERECTED.

ANY STEEL NOT SHOWN ON DRAWINGS THAT IS REQUIRED FOR ELEVATORS SHALL BE PROVIDED BY THE CONTRACTOR.

ALL STRUCTURAL STEEL INDICATED ON PLANS AS GALVANIZED (OR GALV.) SHALL BE HOT-DIP GALVANIZED PER THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS. TOUCH UP ALL BREAKS IN GALVANIZE WITH A ZINC RICH COLD GALVANIZE COMPOUND PER 051200 SPECIFICATIONS.

THE STEEL FABRICATOR SHALL PROVIDE AN ALLOWANCE IN HIS BASE BID FOR A TOTAL OF 1/2 TON OF ADDITIONAL ERECTED MISCELLANEOUS STEEL AS DEEMED NECESSARY BY STRUCTURAL ENGINEER. THIS ALLOWANCE SHALL COVER ALL DETAILING, FABRICATION, MATERIALS, PAINTING, DELIVERY, ERECTION, COATINGS, AND OTHER ASSOCIATED COSTS. THE EXACT SIZE AND QUANTITY OF STEEL MATERIAL SHALL BE SELECTED BY THE STRUCTURAL ENGINEER AS REQUIRED. DEDUCTIONS FROM STEEL ALLOWANCE SHALL BE MADE IN TERMS OF WEIGHT OF MATERIAL ADDED. ANY UNUSED PORTIONS OF THIS ALLOWANCE SHALL BE CREDITED BACK TO THE OWNER AT THE RATE OF $10,000.00 PER TON.

G. WOOD FRAMING MEMBERS

ALL WOOD FRAMING MEMBERS SHALL BE NO. 2 SOUTHERN YELLOW PINE AND SHALL BE IN ACCORDANCE WITH MINIMUM DESIGN PROPERTIES PROVIDED IN THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.

ALL ROOF MEMBERS SHALL BE ATTACHED TO SUPPORTING MEMBERS USING HURRICANE TIES.

PROVIDE 2x HORZ. BLOCKING (SAME SIZE AS WALL STUD) AT ALL EDGES OF SHEATHING (OSB OR GYP. BOARD) ON LOAD BEARING WALLS AND SHEAR WALLS SHOWN ON THESE PLANS.

BOTTOM PLATE ANCHORS SHALL BE LOCATED NO MORE THAN 12 INCHES AND NO LESS THAN 4 INCHES FROM ENDS OR PENETRATIONS OF BOTTOM PLATE. SEE PLANS FOR REQUIRED ANCHORS AND TYPICAL SPACING.

ALL PROPRIETARY WOOD CONNECTION HARDWARE SPECIFIED ON THESE PLANS SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS, INCLUDING PROPER TYPE AND QUANTITY OF FASTENERS.

SILL PLATES AND OTHER MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED FOR MOISTURE RESISTANCE.

ALL CONNECTORS EXPOSED TO WEATHER OR IN CONTACT WITH TREATED WOOD SHALL BE FABRICATED WITH A MINIMUM G185 GALVANIZED COATING IN ACCORDANCE WITH ASTM A653 (I.E. SIMPSON ZMAX) OR HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A653. ALL OTHER CONNECTORS SHALL BE FABRICATED WITH A MINIMUM G90 GALVANIZED COATING IN ACCORDANCE WITH ASTM A653.

WOOD FASTENERS (INCLUDING NAILS, BOLTS, NUTS, WASHERS, ETC.) SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153 AT ALL CONNECTIONS EXPOSED TO WEATHER, IN CONTACT WITH TREATED WOOD, AND AT ALL ROOF AND EXTERIOR WALL SHEATHING.

ALL LAG SCREWS WITH A DIAMETER OF 3/8" OR GREATER SHALL BE INSTALLED USING A LEAD HOLE WITH A DIAMETER EQUAL TO 60 TO 70 PERCENT OF THE SHANK DIAMETER. THE LEAD HOLE LENGTH SHALL BE EQUAL TO THE LAG SCREW EMBEDMENT.

ALL WOOD SHEATHING SHALL HAVE VISIBLE APA RATING STAMP.

H. POST-INSTALLED ANCHORS

IF SPECIFIC POST-INSTALLED ANCHOR IS NOT INDICATED ON DRAWINGS, THEN THE FOLLOWING POST-INSTALLED ANCHORS OR ADHESIVE SHALL BE USED FOR THIS PROJECT UNLESS EQUAL SUBSTITUTIONS ARE SUBMITTED AND APPROVED.

EXPANSION ANCHORS
- STRONG BOLT 2 BY SIMPSON STRONG TIE
- KWIK BOLT-TZ BY HILTI
- DEWALT STUD SD1

CONCRETE OR MASONRY SCREWS
- TITEN TURBO BY SIMPSON STRONG TIE
- DEWALT TAPPER
- KWIK-CON II BY HILTI

EPOXY ADHESIVE (MASONRY APPLICATIONS)
- HILTI HIT-HY 270
- ET-HP BY SIMPSON STRONG-TIE

EPOXY ADHESIVE (CONCRETE APPLICATIONS)
- SET-3G BY SIMPSON STRONG TIE
- HIT-RE 500v3 BY HILTI
- DEWALT PURE110+
- DEWALT AC200+

HEAVY DUTY SCREW ANCHORS
- TITEN HD BY SIMPSON STRONG-TIE
- KH-EZ BY HILTI
- DEWALT SCREW BOLT+

ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED WITH STRICT ADHERENCE TO THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

FOR ALL POST INSTALLED ANCHOR APPLICATIONS, HOLES SHALL BE DRILLED WITH A HAMMER DRILL, U.N.O.

ALL DRILLED HOLES FOR ADHESIVE ANCHORS SHALL BE BRUSHED AND BLOWN CLEAN WITH COMPRESSED AIR AS SPECIFIED BY THE MANUFACTURER.

ALL ADHESIVE ANCHORS SHALL BE INSTALLED IN DRY CONCRETE, U.N.O.

DO NOT INSTALL POST-INSTALLED ANCHORS INTO NEW CONCRETE UNTIL DESIGN 28-DAY COMPRESSIVE STRENGTH HAS BEEN ACHIEVED AND IN NO CASE LESS THAN 7 DAYS.

ALL POST-INSTALLED ANCHORS AND ACCESSORIES EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED (OR HAVE APPROVED EQUAL CORROSION RESISTANCE).

ALL DRILL AND EPOXY APPLICATIONS INTO CLAY OR BRICK MASONRY SHALL UTILIZE EPOXY LISTED ABOVE AND SHALL BE CONSTRUCTED WITH A SCREEN TUBE APPROVED FOR USE WITH ADHESIVE CHOSEN. SUBMIT PRODUCTS FOR REVIEW AND APPROVAL.

I. PRE-ENGINEERED WOOD ROOF TRUSSES

CALCULATIONS FOR THE ROOF TRUSSES SHALL BE BASED UPON THE FOLLOWING CRITERIA:

TOP CHORD LIVE LOAD ------------- 20 PSF
TOP CHORD DEAD LOAD ----------- 10 PSF
BOTTOM CHORD LIVE LOAD ------- 0 PSF
BOTTOM CHORD DEAD LOAD ----- 10 PSF
MAX. SPACING ---------------------- 2'-0" O.C. MAX.
DEFLECTION
TOTAL LOAD ----------------------- L/360
LIVE LOAD ------------------------- L/400

ASCE 7-16
ULTIMATE WIND SPEED ----------- 140 MPH
EXPOSURE CATEGORY ------------- C
RISK CATEGORY -------------------- III

ALL PRE-ENGINEERED WOOD ROOF TRUSSES SHALL BE SECURED TO THEIR SUPPORTING MEMBERS TO RESIST THE WIND UPLIFT AND SHEAR FORCES. THESE CONNECTIONS SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY PRE-ENGINEERED TRUSS SUPPLIER.

ALL PRE-ENGINEERED WOOD ROOF TRUSSES SHALL BE FABRICATED, HANDLED, ERECTED, AND BRACED AS PER THE TRUSS PLATE INSTITUTE (TPI) STANDARDS TO ENSURE ALL LOADS ARE TRANSMITTED TO THE SUPPORTING MEMBERS PER THE TRUSS ENGINEER'S ASSUMPTIONS.

STRUCTURAL CALCULATIONS STAMPED BY A CIVIL ENGINEER LICENSED IN LOUISIANA SHALL BE PROVIDED FOR ALL PRE-FABRICATED COMPONENTS.

A TRUSS PERMANENT BRACING PLAN, STAMPED BY A CIVIL ENGINEER LICENSED IN LOUISIANA, SHALL BE SUBMITTED FOR APPROVAL WITH TRUSS SHOP DRAWINGS. TRUSSES SHALL NOT BE APPROVED FOR FABRICATION UNTIL TRUSS PERMANENT BRACING PLAN IS APPROVED.

MINIMUM SIZE FOR TRUSS TOP AND BOTTOM CHORDS SHALL BE 2x6.

TRUSS SUPPLIER SHALL DESIGN AND PROVIDE ALL HEADERS AND HARDWARE FOR TRUSS CONNECTIONS AND RAFTER TO TRUSS CONNECTIONS AND RAFTER TO TRUSS.

THE TRUSS SUB-CONTRACTOR IS RESPONSIBLE FOR INSPECTING THE IN-PLACE TRUSSES TO ENSURE THAT THEY HAVE BEEN INSTALLED PER THE DESIGN SUBMITTED FOR APPROVAL.

ANY MISC. STEEL REQUIRED FOR TEMPORARY AND PERMANENT TRUSS BRACING, TRUSS-TO-TRUSS AND TRUSS-TO-BEARING CONNECTIONS SHALL BE INCLUDED IN WOOD TRUSS PRICE.

PRE-ENGINEERED TRUSS SUPPLIER SHALL DESIGN, FURNISH, AND INSTALL HURRICANE TIES TO RESIST UPLIFT AND HORIZONTAL REACTIONS AS DETERMINED BY TRUSS DESIGN AND ANALYSIS. HURRICANE TIES SHALL BE INCLUDED IN TRUSS SUB-CONTRACTORS PRICE AND SHALL BE SHOWN ON TRUSS SHOP DRAWINGS FOR APPROVAL.

PROVIDE 2x4 WOOD BLOCKING BETWEEN ROOF TRUSSES ALONG ALL RIDGES, HIP, AND VALLEY IN ROOF. FASTEN ROOF DECK TO BLOCKING FROM BOTH SIDES OF JOINT WITH 10d NAILS AT 6" O.C. CUT ENDS OF BLOCKING TO FIT FLUSH AGAINST TRUSS TOP CHORD AND PROVIDE (2)-10d TOENAILS AT EACH END OF BLOCKING MEMBER.

J. RENOVATIONS

EXISTING CONDITIONS:
ALL DIMENSIONS AND CONDITIONS TYING INTO OR GOVERNED BY EXISTING CONSTRUCTION ARE APPROXIMATE AND ARE NOT PURPORTED TO BE EXACT. ALL SUCH DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE PREPARATION OF SHOP DRAWINGS. FIRST SUBMITTAL OF SHOP DRAWINGS MUST CONTAIN CORRECT CONDITIONS AND DIMENSIONS OBTAINED FROM THE FIELD. IF CONDITIONS AND DIMENSIONS VARY GREATLY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE PREPARATION OF SHOP DRAWINGS.

SHORING:
SHORE AND BRACE ALL EXISTING FRAMING AS REQUIRED IN ORDER TO ACCOMPLISH WORK SHOWN ON DRAWINGS. DESIGN OF ALL SHORING SHALL BE PROVIDED BY THE CONTRACTOR. SHORING SHALL BE PROVIDED AT OR IMMEDIATELY ADJACENT TO LOCATION OF EXISTING SUPPORT REMOVAL.

DEMOLITION OF EXISTING CONSTRUCTION:
PRIOR TO THE START OF DEMOLITION OR EXPLORATORY WORK, THE OWNER SHALL EMPLOY AN INDEPENDENT TESTING LABORATORY TO SURVEY THE EXISTING SITE CONDITIONS FOR THE PRESENCE OF HAZARDOUS MATERIALS SUCH AS, BUT NOT LIMITED TO, LEAD-BASED PAINT, ASBESTOS, MOLD, ETC. IF THE TESTS RESULTS ARE POSITIVE FOR ANY HAZARDOUS MATERIALS, THE OWNER SHALL EMPLOY A REMEDIATION FIRM TO REMOVE THE HAZARDOUS MATERIALS IN COMPLIANCE WITH THE GUIDELINES AND REGULATIONS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS BEFORE DEMOLITION OR EXPLORATORY WORK MAY COMMENCE.

DAMAGE TO EXISTING CONSTRUCTION:
ALL WORK SHALL BE DONE IN A MANNER WHICH WILL NOT DAMAGE ADJACENT EXISTING CONSTRUCTION WHICH IS TO REMAIN.

PATCHING MATERIALS AND INSTALLATION:
ALL MATERIALS USED FOR PATCHING SHALL MATCH EXISTING MATERIALS IN APPEARANCE AND QUALITY. WORKMANSHIP SHALL BE IN CONFORMANCE WITH TODAY'S STANDARDS BUT SHALL BE NO LESS IN QUALITY THAN ANY OF THE ADJACENT WORKMANSHIP IN THE AREA BEING PATCHED.

PENETRATIONS IN EXISTING MASONRY/BRICK WALLS:
ALL NEW PENETRATIONS THROUGH EXISTING MASONRY WALLS OR CONCRETE SLAB GREATER THAN 5" AND NOT SHOWN HEREIN THESE DRAWINGS SHALL BE APPROVED BY FOX-NESBIT IN WRITING.

PRICING/BIDDING:
ALL ELEMENTS SHALL BE CONSIDERED NEW FOR PRICING/BIDDING UNLESS SPECIFICALLY IDENTIFIED AS EXISTING.

WELDING IN ENCLOSED SPACES:
WELDING IS TO BE PERFORMED IN ENCLOSED SPACES AND PROXIMITY TO EXISTING MATERIALS. TAKE NECESSARY VENTILATION, FIRE AND SAFETY PRECAUTIONS THAT ARE IN COMPLIANCE WITH THE GUIDELINES AND REGULATIONS OF LOCAL STATE, AND FEDERAL GOVERNMENTS INCLUDING AWS AND OSHA REQUIREMENTS BEFORE WORK MAY COMMENCE.

K. NOTICE

ALL MANUFACTURER SPECIFIC PRODUCTS SPECIFIED IN THESE STRUCTURAL DRAWINGS MAY BE SUBSTITUTED BY APPROVED EQUAL PRODUCTS. SUBMIT ALL SUBSTITUTIONS FOR A/E REVIEW AND APPROVAL.

THE USE OF REPRODUCTION OF THESE CONTRACT DRAWINGS BY THE CONTRACTOR, SUB-CONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARED SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING FROM ANY ERRORS THAT MAY BE PRESENT HEREON.

IN THE EVENT OF CONFLICTING OR DIFFERING REQUIREMENTS INDICATED ON THE STRUCTURAL DRAWINGS AND/OR SPECIFICATIONS THAT HAVE NOT BEEN CLARIFIED OR CHANGED, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY, GREATER QUANTITY, OR MORE STRINGENT UNLESS DIRECTED OTHERWISE BY ARCHITECT/ENGINEER.

THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION, EXCEPT WHERE SPECIFIC REQUIREMENTS ARE PROVIDED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND PERSONNEL DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, EXCAVATION PROTECTION, SCAFFOLDING, JOB SITE SAFETY, ETC. STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SEQUENCES OF CONSTRUCTION.

L. FIELD VERIFICATIONS

CONTRACTOR TO FIELD MEASURE ALL NEEDED DIMENSIONS PRIOR TO ORDERING MATERIAL.

CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DETAILS, GEOMETRY, DIMENSIONS, AND ELEVATIONS PRIOR TO ORDERING/FABRICATION OF MATERIALS. CONTACT ARCHITECT AND ENGINEER IMMEDIATELY IF ANY DIMENSIONS, DETAILS, OR ELEVATIONS ARE NOT FOUND TO MATCH THOSE SHOWN ON THE PLANS.

M. ABBREVIATIONS

@ -------------------- AT
A/E -------------------ARCHITECT/ENGINEER
A.F.F. ----------------- ABOVE FINISHED FLOOR
ARCH. --------------- ARCHITECTURAL
BF -------------------- BRACED FRAME
BM. ------------------ BEAM
B.O.C. ---------------- BEAM ON COLUMN
B.O.S. ---------------- BOTTOM OF STEEL
BOT. ----------------- BOTTOM
BTM. ----------------- BOTTOM
B/W ------------------ BETWEEN
BTWN. --------------- BETWEEN
C.F.M.F. OR CFMF --- COLD-FORMED METAL FRAMING
C.I.P.------------------ CAST-IN-PLACE
C.G OR CG ---------- CENTER OF GRAVITY
CJP ------------------- COMPLETE JOINT PENETRATION
C.L. OR CL ----------- CENTER LINE
C.O.B. ---------------- COLUMN ON BEAM
COL. ----------------- COLUMN
CONT. --------------- CONTINUOUS
CONNX. ------------- CONNECTION
DEMO.----------------DEMOLITION
EL. ------------------- ELEVATION
ELEV.----------------- ELEVATION
ELEC. ---------------- ELECTRICAL
E.O.A. ---------------- EDGE OF ANGLE
E.O.R. ---------------- ENGINEER OF RECORD
E.O.S. ---------------- EDGE OF SLAB
EXIST. ---------------- EXISTING
F.F. ------------------- FINISH FLOOR
FIN. FLR. ------------- FINISH FLOOR
GA. -------------------GAGE
GC ------------------- GENERAL CONTRACTOR
GL --------------------GLUE-LAMINATED
GR. BM. -------------- GRADE BEAM
HI -------------------- DETAIL APPLIES HIGH
H.S.A. OR HSA -------HEADED STUD ANCHOR
H.S.A.S.--------------- HEADED STUD ANCHORS
HSS -------------------HOLLOW STRUCTURAL SECTION
LO --------------------DETAIL APPLIES LOW
M.B.S.-----------------METAL BUILDING SUPPLIER
MEAS. --------------- MEASURE
MECH. --------------- MECHANICAL
MEP------------------ MECHANICAL, ELECTRICAL, PLUMBING
O.C. ------------------ ON CENTER
O.C.E.W. ------------- ON CENTER EACH WAY
OPP. ----------------- OPPOSITE
P.A.F.'S OR -----------POWDER ACTUATED FASTENERS
P.A.F.S.
PEMBS --------------- PRE-ENGINEERED METAL BUILDING SUPPLIER
PL. --------------------PLATE
P.T. -------------------POST TENSION OR POST-TENSIONED
POST-TENS ----------POST TENSION OR POST-TENSIONED
REINF. ---------------- REINFORCEMENT
RTU ------------------- ROOF TOP UNIT
SIM. ------------------SIMILAR
STR. ------------------ STRENGTH
T.O. ------------------ TOP OF
T.O.C. ---------------- TOP OF CONCRETE
T.O.J. ----------------- TOP OF JOIST
T.O.S. -----------------TOP OF SLAB
U.N.O. ----------------UNLESS NOTED OTHERWISE
V.O.J. -----------------VERIFY ON JOBSITE
W/ ------------------- WITH
WF ------------------- WIDE FLANGE
WWF -----------------WELDED WIRE FABRIC

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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE 08/08/2024
PHASE BID DOCUMENTS
ISSUED FOR
PROJECT NO. 3221105

GENERAL NOTES

sheet number
S501

CONCRETE MIX REQUIREMENTS

USAGE	AGGREGATE	MIN. CEMENT (lb/yd³)	SLUMP (inches)	7 DAY STR. (psi)	28 DAY STR. (psi)	WATER REDUCER	REMARKS
SLAB ON GRADE	(1)	545	7	2700	4000	(A)	
ALL OTHERS	(1)	545	7	2700	4000	(A)	

(1) REGULAR SAND AND GRAVEL (145 pcf)

(A) MID-RANGE WATER REDUCER

NOTES:

THE SLUMP IN THE TABLE ABOVE IS GIVEN AT POINT OF PLACEMENT. THE ALLOWABLE TOLERANCE FOR SLUMP IS PLUS OR MINUS ONE INCH FROM THE VALUES GIVEN IN THE TABLE.

IF SUPER PLASTICIZER IS USED, THE SLUMP SHALL BE 3" PRIOR TO ADDITION OF THE SUPER PLASTICIZER. DO NOT USE SUPER PLASTICIZER IN SLABS.

CONCRETE NOT MEETING THE SPECIFIED SEVEN DAY STRENGTH SHALL EITHER BE REMOVED OR CONSTRUCTION MUST BE STOPPED IN THE QUESTIONABLE AREA UNTIL THE 28 DAY TEST VALUES HAVE BEEN APPROVED.

SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

REFERENCE SPECIFICATION SECTION 03 3000- FOR PROPORTIONING AND DESIGN OF MIXES.

REBAR LAP SPLICE REQUIREMENTS (MIN.)

LOCATION	BEAMS AND FOUNDATIONS		WALLS AND SLABS	
BAR \ f'c	3000 PSI	4000 PSI	3000 PSI	4000 PSI
#3	22"	19"	16"	16"
#4	29"	25"	17"	16"
#5	36"	31"	26"	22"
#6	36"	36"	36"	36"
#7	42"	42"	42"	42"
#8	42"	42"	42"	42"

GENERAL NOTES:

LAP SPLICE LENGTHS ABOVE APPLY TO ALL REINFORCING BARS FOR THIS PROJECT, UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE PLANS.

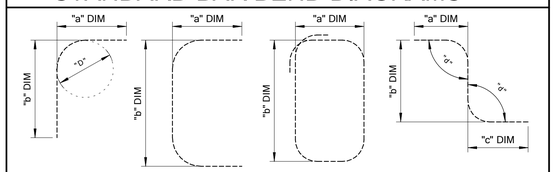
LAP SPLICE LENGTHS IN TABLE ABOVE DO NOT PERTAIN TO REINFORCING IN MASONRY CONSTRUCTION. REFER TO GENERAL NOTES FOR SPLICE REQUIREMENTS IN MASONRY CONSTRUCTION.

ALL LAP SPLICES PROVIDED ABOVE ARE FOR NORMAL WEIGHT CONCRETE AND GRADE 60 REINFORCING BARS IN TENSION. SPLICES FOR WALL AND SLAB BARS ARE BASED ON A MINIMUM OF 1" CLEAR COVER.

FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.

LAP SPLICES FOR GRADE BEAM TOP BARS SHALL BE PLACED IN THE CENTER OF THE SPAN BETWEEN DRILLED SHAFTS (OR PILES). LAP SPLICES FOR GRADE BEAM BOTTOM BARS SHALL BE PLACED DIRECTLY ABOVE A DRILLED SHAFT (OR PILE).

STANDARD BAR BEND DIAGRAMS



L BAR U BAR TIES AND HOOPS Z BAR

("d" = 90 DEGREES IF NOT PROVIDED)

NOTES:

SEE DETAILS AND KEYNOTES FOR DIMENSIONS OF ALL BARS AND TIES.

WHERE "a" AND "b" DIMENSIONS ARE NOT GIVEN, BASE DIMENSIONS ON CLEAR COVER DIMENSIONS FROM OUTER EDGE OF CONCRETE.

UNLESS NOTED OTHERWISE, ALL BAR BEND DIAMETERS ("D") SHALL BE IN ACCORDANCE WITH LATEST VERSION OF ACI 318.

WOOD SHEATHING/DECKING FASTENER REQUIREMENTS

TYPE	SHEATHING/DECKING TYPE	GENERAL FASTENER SPACING	EDGE FASTENER SPACING	REMARKS
WALLS	1/2" EXPOSURE 1 GRADE PLYWOOD	12" O.C.	6" O.C.	A B
ROOF	3/4" EXPOSURE 1 GRADE PLYWOOD	12" O.C.	6" O.C.	A C
FLOOR	3/4" EXPOSURE 1 GRADE TONGUE-IN-GROOVE PLYWOOD	12" O.C.	6" O.C.	D

A ALL FASTENERS SHALL BE 10d COMMON NAILS OR NO. 9 x2 1/2" WOOD FRAMING SCREWS.

ATTACH SHEATHING/DECKING TO SUPPORTS AT 6" O.C. AROUND THE EDGES OF ALL SHEETS, AND AT 12" O.C. IN THE FIELDS OF THE SHEETS. THIS APPLIES TO BOTH ROOF DECKING AND WALL SHEATHING.

B PROVIDE 12'-0" LONG (MIN.), FULL-HEIGHT, PLYWOOD SHEATHING ON ALL WALLS AT ALL CORNERS OF BUILDING.

C ATTACH ROOF DECK TO ALL SUPPORTS AT ROOF OVERHANGS AND AT 8'-0" WIDE STRIPS AROUND PERIMETER OF ENCLOSED BUILDING SPACES. AT 6" O.C. (MAX.)

D ALL FASTENERS SHALL BE NO. 9x2 1/2" LONG FRAMING SCREWS.

WOOD FASTENING SCHEDULE

CONNECTION	FASTENER TYPE AND NO.	LOCATION
JOIST TO SILL, TOP PLATE, OR GIRDER	3-10d COMMON	TOENAIL
BRIDGING TO JOIST, RAFTER, OR TRUSS	2-10d COMMON	TOENAIL EA. END
BOTTOM PLATE TO JOIST, BLOCKING, OR FRAMING BELOW	16d COMMON at 6" O.C.	TYP. FACE NAIL
TOP PLATE TO STUD	4-10d COMMON	TOENAIL
STUD TO BOTTOM PLATE	4-8d COMMON	TOENAIL
DOUBLE STUD	10d COMMON at 8" O.C. FOR 2X4 (2)-10d COMMON at 8" O.C. FOR 2X6/2X8	FACE NAIL
DOUBLE TOP PLATES	10d COMMON at 6" O.C.	TYP. FACE NAIL
DOUBLE TOP PLATES - LAP SPLICES	16-10d COMMON	LAP SPLICE
BLOCKING BTWN. JOISTS OR FRAMING MEMBERS	3-10d COMMON	TOENAIL
RIM JOIST TO TOP PLATE	10d COMMON at 6" O.C.	TOENAIL
TOP PLATE INTERSECTIONS	4-10d COMMON	FACE NAIL
TRUSS, RAFTER, OR OUTLOOKER TO EXTERIOR WALL TOP PLATES	4-10d COMMON	TOENAIL
TRUSS, RAFTER, OR OUTLOOKER TO INTERIOR WALL TOP PLATES	2-10d COMMON	TOENAIL
CEILING JOIST TO TOP PLATE	3-10d COMMON	TOENAIL
CONTINUOUS HEADER TO STUD	4-10d COMMON	TOENAIL
BUILT-UP CORNER STUDS	10d COMMON at 6" O.C.	FACE NAIL
COLLAR TIE TO RAFTER	3-10d COMMON	FACE NAIL
JACK RAFTER TO RIDGE, VALLEY, OR HIP RAFTER	3-10d COMMON	TOENAIL
ROOF RAFTER TO 2x RIDGE BEAM	3-10d COMMON	TOENAIL
2x FASCIA TO ROOF TRUSS, RAFTER, OR OUTLOOKER.	2-10d COMMON	FACE NAIL

NOTE:

USE THE REQUIRED FASTENERS UNLESS NOTED OTHERWISE ON PLANS. COMPLY WITH TABLE 2304.10.1 OF IBC 2015 FOR ANY CONDITIONS NOT INDICATED IN THIS TABLE OR OTHERWISE INDICATED IN DRAWINGS.

COMMON NAIL SIZES:

8d = 2 1/2" LONG x 0.131" DIA.
10d = 3" LONG x 0.148" DIA.
16d = 3 1/2" LONG x 0.162" DIA.

APA
THE ENGINEERED WOOD ASSOCIATION

RATED SHEATHING
48/24 23/32 INCH
SIZED FOR SPACING
EXPOSURE 1
000

PS2-04 SHEATHING
PRP-108 HUD-UM-40

3/4" PLYWOOD FLOOR DECK & 3/4" PLYWOOD ROOF DECK.

APA
THE ENGINEERED WOOD ASSOCIATION

RATED SHEATHING
24/16 15/32 INCH
SIZED FOR SPACING
EXPOSURE 1
000

PS2-04 SHEATHING
PRP-108 HUD-UM-40

1/2" PLYWOOD WALL SHEATHING

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SCHEDULES

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S502

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