

STEPHENSON SCHOOL BUILDING

Rehabilitation and Addition

TIRZ PM
Review Comments:
231018- KES

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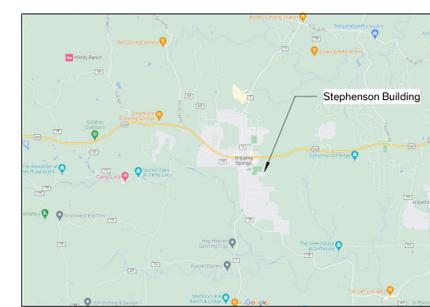
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PROJECT MEMBERS

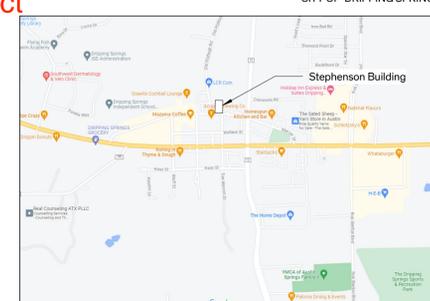
OWNER CITY OF DRIPPING SPRINGS 511 MERCER STREET DRIPPING SPRINGS, TEXAS 78620 T (512) 858-4725	ACOUSTICS & A/V BAI, LLC 4006 SPEEDWAY AUSTIN, TEXAS 78751 T (512) 476-3464
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MEP CLEARY ZIMMERMANN ENGINEERS 3218 MANOR RD., SUITE 200 AUSTIN, TEXAS 78723 T (512) 220-9200	
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Incorrect RAS
Correct per Contract

VICINITY MAP



STREET MAP



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GENERAL NOTES

GENERAL DEMOLITION NOTES

- THE MAXIMUM ALLOWABLE LOADING ON THE EXISTING FLOOR STRUCTURES SHALL BE CONFIRMED WITH STRUCTURAL ENGINEER. AREAS OF THE BUILDING WHICH MAY HAVE GREATER LOADING IMPOSED ON IT BY THE CONTRACTOR'S DEMOLITION PROCEDURE SHALL BE SHORED. COORDINATE WITH STRUCTURAL.
- EXISTING STRUCTURE SHALL BE SHORED PRIOR TO COMMENCEMENT OF DEMOLITION. SECTIONS OF STRUCTURE BEING DEMOLISHED SHALL NOT BE ALLOWED TO DROP ONTO FLOOR STRUCTURE BELOW.
- SHORING SHALL TRANSFER LOADING DIRECTLY TO EXISTING LOAD BEARING MASONRY WALLS. SHORING SHALL BE DESIGNED TO SUPPORT THE FULL ANTICIPATED LOADING WITH NO BENEFIT FROM THE EXISTING STRUCTURAL FRAMING.
- EXISTING CONSTRUCTION SHOWN TO REMAIN SHALL NOT BE DAMAGED DURING THE DEMOLITION PROCESS. PROVIDE ALL NECESSARY TEMPORARY PROTECTION.

GENERAL CONSTRUCTION NOTES

- THE WORK SHALL CONFORM WITH THE CURRENT EDITION OF THE FOLLOWING REGULATIONS AS ADOPTED BY THE CITY OF DRIPPING SPRINGS:
 - 2018 INTERNATIONAL BUILDING CODE
 - 2018 INTERNATIONAL EXISTING BUILDING CODE
 - 2018 INTERNATIONAL FIRE CODE
 - 2018 INTERNATIONAL PLUMBING CODE
 - 2018 INTERNATIONAL MECHANICAL CODE
 - 2017 NATIONAL ELECTRICAL CODE
 - 2018 INTERNAL ENERGY CONSERVATION CODE
 - U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
- THE CONTRACTOR SHALL VISIT THE SITE TO REVIEW AND SURVEY EXISTING CONDITIONS TO FULLY UNDERSTAND SCOPE OF WORK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS AND PAY ALL APPLICATION FEES.
- IF THE CONTRACTOR PERFORMS OR PROCEEDS WITH ANY WORK, CONTRARY TO APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS WITHOUT GIVING PRIOR WRITTEN NOTICE TO THE ARCHITECT, HE/SHE SHALL ASSUME FULL RESPONSIBILITY THEREFORE AND SHALL BEAR ALL COST ATTRIBUTABLE.
- THE CONTRACTOR SHALL CAREFULLY STUDY THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY OR OMISSION DISCOVERED AND SHALL NOT PROCEED WITH THE WORK UNTIL THE INTENT OF THE DOCUMENTS IS VERIFIED BY THE ARCHITECT.
- ALL DRAWINGS AND SPECIFICATIONS FORMING PART OF THE CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY ONE WILL BE BINDING AS IF CALLED FOR BY ALL; ANY WORK SHOWN OR REFERRED TO ON ANY ONE DOCUMENT SHALL BE PROVIDED AS THOUGH SHOWN ON ALL DOCUMENTS.
- THE CONTRACT DOCUMENTS SHALL BE INTERPRETED WITH THE FOLLOWING ORDER OF PRECEDENCE: SPECIFICATIONS, DETAILS, ENLARGEMENTS, OVERALL DRAWINGS, AND SUBSEQUENT CLARIFICATIONS. ADDENDA SHALL OVERRIDE THE AFFECTED COMPONENTS IN ALL OF THE ABOVE. ALL VERBAL CLARIFICATIONS ARE TO BE RECORDED BY THE CONTRACTOR AND SENT TO THE ARCHITECT WITHIN SEVEN DAYS OF THE OCCURRENCE.
- THE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, LANDSCAPING, AND AUDIO/VISUAL DOCUMENTS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DOCUMENTS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DOCUMENTS AND THE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, LANDSCAPING, AND AUDIO/VISUAL DOCUMENTS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR SHALL RECEIVE INSTRUCTIONS PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. ANY WORK PERFORMED OR INSTALLED IN CONFLICT WITH THE DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.

- INFORMATION CONTAINED ON THESE DRAWINGS WITH REGARD TO EXISTING CONDITIONS OF CONSTRUCTION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR EXECUTING THE WORK. EVERY ATTEMPT HAS BEEN MADE TO PROVIDE COMPLETE AND ACCURATE REPRESENTATIONS OF SUCH EXISTING CONDITIONS. THIS INTERPRETATION HAS BEEN TAKEN BY FIELD MEASUREMENT AND OBSERVATION. THE ARCHITECT HAS ENDEAVORED TO IDENTIFY AS COMPLETELY AS POSSIBLE IN THE CONSTRUCTION DOCUMENTS, EXISTING ITEMS OF EQUIPMENT AND CONSTRUCTION THAT ARE REQUIRED TO BE REMOVED OR OTHERWISE DEMOLISHED. THIS INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS IN NO WAY INTENDED TO MEAN THAT DEMOLITION IS LIMITED ONLY TO THOSE ITEMS SPECIFICALLY IDENTIFIED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXECUTE DEMOLITION WORK AS REQUIRED TO REMOVE ELEMENTS AND SYSTEMS IDENTIFIED IN THE CONSTRUCTION DOCUMENTS, ALONG WITH THEIR ASSOCIATED PARTS.
- ALL AREAS AND ITEMS INDICATING CONTRACT LIMITS AND LINES OF DEMARCATION ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR AND ARE NOT TO BE TAKEN LITERALLY. ACTUAL CONTRACT LIMITS ARE TO BE DETERMINED PRIOR TO CONSTRUCTION BY FIELD VERIFICATION. EXISTING CONSTRUCTION SHOWN TO REMAIN SHALL NOT BE DAMAGED DURING THE DEMOLITION PROCESS. PROVIDE ALL NECESSARY TEMPORARY PROTECTION.
- CONTRACTOR TO ASSIST THE ARCHITECT IN MAKING THEIR EVALUATIONS AND RECOMMENDATIONS BY PROVIDING IN A TIMELY MANNER, AT NO ADDITIONAL COST TO THE OWNER, ACCURATE AND COMPLETE DRAWINGS, SKETCHES, AND PHOTOGRAPHS, SUFFICIENT TO CLEARLY DESCRIBE DISCREPANCIES, CONFLICTS, AND CONCEALED OR OTHERWISE UNANTICIPATED CONDITIONS AFFECTING NEW CONSTRUCTION.
- SCAFFOLDING AND SHORING CANNOT BE SECURED TO EXISTING HISTORIC MATERIALS, OR CAUSE DAMAGE TO EXISTING MATERIALS.
- REINSTALL EACH ELEMENT IN ITS ORIGINAL LOCATION UNLESS NOTED OTHERWISE.
- SIZE NOTED IN CONSTRUCTION DOCUMENTS FOR ORIGINAL MATERIALS ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED PRIOR TO SUBMITTAL OF SHOP DRAWINGS. MATCH EXACT SIZES AND PROFILES OF ORIGINAL ELEMENTS.
- FIELD VERIFICATIONS OF EXISTING CONDITIONS RELATED TO SPECIFIC PORTIONS OF THE WORK SHALL BE UNDERTAKEN IN ADVANCE TO ALLOW FOR THE TIMELY IDENTIFICATION OF EXISTING CONDITIONS THAT MAY AFFECT THE SCHEDULED INSTALLATION OF NEW WORK AS DESIGNED AND DETAILED, AND TO AVOID UNDUE AND UNREASONABLE DELAYS TO THE PROJECT SHOULD SUCH CONDITIONS BE DISCOVERED. TIMELY IDENTIFICATION OF SUCH CONDITIONS SHALL PROVIDE FOR A MINIMUM PERIOD OF 10 (TEN) WORKING DAYS DURING WHICH TIME THE ARCHITECT WILL EVALUATE THE CONDITION AND MAKE RECOMMENDATIONS FOR ACCOMMODATING NEW WORK.
- CONTRACTOR IS TO PROVIDE AND INSTALL ALL ACCESS PANELS, RATED OR OTHERWISE, SIZE AS REQUIRED, AT ALL CONCEALED MECHANICAL AND PLUMBING ITEMS WHICH REQUIRE SERVICE OR ACCESS (VALVES, FIE DAMPERS, DUCT HEATERS, ETC.). ACCESS PANELS IN RATED CEILING AND PARTITIONS SHALL HAVE THE APPROPRIATE UL LABELS.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL EQUIPMENT MANUFACTURER'S ROUGH-IN REQUIREMENTS.
- EXISTING UTILITY SERVICES ARE TO REMAIN, BE PROTECTED, AND/OR TO BE OPERATIONAL DURING DEMOLITION AND CONSTRUCTION. REFERENCE RELEVANT MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. CONTRACTOR TO BE RESPONSIBLE FOR PROTECTION OF AND RESTORATION OF SERVICES, AS WELL AS PROVISION OF TEMPORARY UTILITY SERVICES.
- NOTIFY CITY OF DRIPPING SPRINGS WHEN IT IS NECESSARY TO AFFECT UTILITIES BEFORE PROCEEDING WITH THE WORK. ALL EXISTING UTILITIES MUST BE CHECKED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK. ANY DAMAGES RESULTING FROM LACK OF COMPLIANCE WITH THE PROVISIONS SHOULD BE CORRECTED BY THE CONTRACTOR AT HIS OR HER OWN EXPENSE.

NEW FASTENERS

- ATTACHMENTS TO MASONRY I.E.: CONDUIT, WOOD FRAMING, ETC. MUST BE ATTACHED INTO MASONRY JOINTS UNLESS NOTED OTHERWISE. DO NOT DRILL THROUGH, PENETRATE OR ALTER IN ANY WAY THE ORIGINAL MATERIALS OR STRUCTURES UNLESS NOTED OTHERWISE.

CONCEALMENT OF CONDUIT, PIPING, AND DEVICES AT WALLS AND CEILINGS:

- CONDUIT, WIRING, AND PIPING, IS TO BE CONCEALED BEHIND FINISH FACE OF GYPSUM BOARD AND PLASTER WALLS ON THE GROUND LEVEL AND BALCONY LEVEL UNLESS NOTED OTHERWISE.
- ROUTE CONDUIT INTO THE PLASTER AND MASONRY SO THAT A FULL APPLICATION OF LATH AND PLASTER SYSTEM IS INSTALLED OVER THE MATERIAL AND CONDUIT AND PIPING IS CONCEALED IN WALLS BEHIND THE PLASTER.
- ELECTRICAL BOXES AND ASSOCIATED ELEMENTS MUST BE RECESSED INTO WALLS SO THAT COVER PLATES ARE FLUSH WITH THE FINISH SURFACE OF THE WALL.

PENETRATIONS AT MASONRY WALLS:

- CUT/CORE PLASTER AND MASONRY WALLS AS NECESSARY TO ACCOMMODATE NEW MATERIALS, COMPONENT, AND SYSTEMS INCLUDING CONDUIT, WIRING, PIPING, DUCTS AND ALL OTHER ITEMS REQUIRED FOR INSTALLATION OF OPERATION OF ELECTRICAL, MECHANICAL, AND PLUMBING SYSTEMS. RE: STRUCTURAL FOR PENETRATION DETAILS AT MASONRY LOAD BEARING WALLS.

GENERAL MEP, FIRE ALARM/DETECTION, COMMUNICATION, & A/V NOTES

- CONCEALMENT OF CONDUIT, PIPING, AND DEVICES, GENERAL:
 - CONDUIT, PIPING, AND DEVICES ARE NOT TO BE EXPOSED IN ANY LOCATION UNLESS APPROVED BY ARCHITECT.
 - ELECTRICAL BOXES AND ASSOCIATED ELEMENTS MUST BE RECESSED INTO WALLS, FLOORS, OR BASEBOARDS SO THAT COVER PLATES ARE FLUSH WITH THE FINISH SURFACE.
- CONCEALMENT OF CONDUIT, PIPING, AND DEVICES AT WALLS:
 - CONDUIT, WIRING, AND PIPING ARE TO BE CONCEALED BEHIND FINISH FACE OF PLASTER WALLS UNLESS NOTED OTHERWISE.
 - ROUTE CONDUIT INTO THE PLASTER AND MASONRY SO THAT A FULL APPLICATION OF LATH AND PLASTER SYSTEM IS INSTALLED OVER THE MATERIAL AND CONDUIT AND PIPING IS CONCEALED IN WALLS BEHIND THE PLASTER.
 - AT MASONRY WALLS ROUTE MINIMUM DEPTH REQUIRED FOR INSTALLATION OF CONDUIT TO MAXIMUM 2-INCHES FOR HORIZONTAL RUNS AND 4 INCHES FOR VERTICAL RUNS. MINIMIZE HORIZONTAL RUNS WHEREVER POSSIBLE.
- CONCEALMENT OF CONDUIT, PIPING, AND DEVICES AT WOOD FLOORS:
- EXPOSED CONDUIT, PIPING, AND DEVICES AT CEILINGS:
 - EXPOSED CONDUIT, PIPING, AND DEVICES:
 - RUN PARALLEL TO WALLS AND BEAMS
 - GANG PIPING AN CONDUIT IN PARALLEL GROUPS WHERE POSSIBLE AND EQUIDISTANT TO EACH OTHER. WHEN GANGED PIPING IS BENT, IT MUST REMAIN EQUIDISTANT TO EACH OTHER.
- MEP SHOP DRAWINGS
 - MECHANICAL DUCTWORK AND PIPING SHOP DRAWINGS ARE TO INCLUDE SPOT ELEVATIONS TO THE BOTTOM OF THESE SYSTEMS ABOVE FINISH FLOOR TO VERIFY CLEARANCES AT SUSPENDED CEILING AND FURR DOWNS.

SYMBOL LEGEND

	BROKEN SECTION		FLOOR LEVEL CHANGE				
	WALL SECTION		CENTER LINE				
	DETAIL SECTION		DOOR TYPE				
	DETAIL KEY		WINDOW TYPE				
	DETAIL KEY		WALL TYPE				
	BUILDING ELEVATION KEY	<table border="1"> <tr> <th>Room name</th> <th>ROOM NAME, NUMBER, & SQUARE FOOTAGE</th> </tr> <tr> <td>101</td> <td>150 SF</td> </tr> </table>	Room name	ROOM NAME, NUMBER, & SQUARE FOOTAGE	101	150 SF	
Room name	ROOM NAME, NUMBER, & SQUARE FOOTAGE						
101	150 SF						
	COLUMN CENTER LINE		BREAK LINE				

MATERIAL LEGEND

	EARTH/COMPACT FILL		FRT ROUGH WOOD
	GRAVEL FILL		FRT BLOCKING
	SAND FILL		FINISH WOOD
	CAST-IN-PLACE CONC.		PLYWOOD
	LIGHTWEIGHT CONC.		RIGID INSULATION
	FACE BRICK		THERMAL/ ACOUSTIC BATT INSULATION
	COMMON BRICK		SPRAYED INSULATION
	CMU		SPRAYED FIRE INSULATION
	CAST STONE		CERAMIC TILE
	GLASS		TYPE 'X' GYP. BOARD
	STEEL		METAL LATH & PLASTER
	ALUMINUM		CARPET
	SHEET METAL		HOLLOW CLAY TILE

City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
ADDITION

311 Old Fitzhugh Rd.
Dripping Springs, TX
78620

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REVISION HISTORY

DD REV.

This document is incomplete and may not be used for regulatory approval, permit, or construction.

Larry Irsik

10/11/2023

Architexas No. 2314 Date October 11, 2023

Sheet Name
Cover Sheet

Sheet Number

Ao.OI

Does this Occupancy Load Drive Floor Loads, or Governed by some other Structural Code Req'mt?

BUILDING CODE ANALYSIS		
Applicable Code(s):		
1. International Building Code (IBC) - 2018 Edition		
2. International Existing Building Code (IEBC) - 2018 Edition		
3. International Fire Code (IFC) - 2018 Edition		
4. International Plumbing Code (IPC) - 2018 Edition		
5. International Mechanical Code (IMC) - 2018 Edition		
6. National Electrical Code (NEC) - 2017 Edition		
7. International Energy Conservation Code (IECC) - 2018 Edition		
SUMMARY SHEET - BUILDING CODE (IEBC Table 1301.7)		
Existing occupancy: B (not in use)	Proposed occupancy: A-3, B	
Year building was constructed: 1939	Number of stories: 1	Height in feet: ±25'-0"
Type of construction: III-B	Area per floor: 1st floor=5,901 sq.ft.	
Percentage of open perimeter: 100%	Percentage of height reduction: 0%	
Completely suppressed: Yes	Corridor wall rating: N/A	
Compartmentation: No	Required door closers: No	
Fire Resistance of rating of vertical opening enclosures: N/A		
Type of HVAC system: Split System		
Automatic fire detection: Yes	Type and location: Smoke detectors throughout	
Fire alarm system: Yes	Type: Fire alarm system complying w/ sect. 907 plus emergency voice/ alarm & fire command station	
Smoke control: No	Type: N/A	
Adequate exit routes: Yes	Dead ends: No	
Maximum exit access travel distance: 250' (Per Table 1017.2, A-3=250' max, B=300' max)	Elevator controls: N/A	
Means of egress emergency lighting: Yes	Mixed occupancies: B; A-3	

ALLOWABLE HEIGHT AND BUILDING AREA (IBC TABLE 504.3, 504.4, 506.2):	
Occupancy: Group A-3/ B	
Construction Type: III-B	
Max. number of stories: 75 feet	
Max. number of stories: 3	
Max. allowable area: 38,000 sq.ft.	
TYPE OF CONSTRUCTION (IBC Section 602.3)	
Type III-B construction describes the construction type of the Stephenson School Building. Type III construction is that type of construction in which the exterior walls are of noncombustible materials and the interior building elements are of any building material permitted by this code.	
SEPARATED OCCUPANCIES	
Per IBC Table 508.2.4, Required Separation of Occupancies: Occupancy type A shall have a 1-hour separation from occupancy type B (with sprinkler)	

REQUIRED FIRE RESISTANCE RATINGS BASED ON CONSTRUCTION TYPE (IBC Table 601)	
Structural Frame: 0	(load-bearing limestone masonry)
Exterior Bearing Walls: 2	(load-bearing limestone masonry)
Interior Bearing Walls: 0	(2x6 wood studs @ 16" O.C. with plaster and lathe both sides)
Non-Bearing Walls: 0	(n/a)
Floor Construction: 0	(wood pier and beam)
Roof Construction: 0	(corrugated metal roof on 2x6 wood trusses @ 24" O.C.)

AUTOMATIC FIRE SPRINKLER SYSTEMS (IBC Sect. 903)	
The following information indicates minimum requirements for installation of a fire sprinkler system in buildings with group A occupancies:	
Per 903.2.1, An automatic fire sprinkler system shall be provided throughout buildings and portions thereof used as Group A occupancies. For Group A-3 occupancies, the automatic sprinkler system shall be provided throughout the floor area where the Assembly occupancy is located, and on all floors from the Group A occupancy to, and including, the nearest level of exit discharge serving the Group A	
Per 903.2.1.3 for Group A-3, An automatic fire sprinkler system shall be provided throughout a fire area containing a Group A-3 occupancy where one of the following conditions exist:	
1.	The area exceeds 12,000 sq.ft. - Not Applicable
2.	The fire area has an occupant load of 300 or more - Applicable, occupant load is 363 people.
3.	The fire area is located on a floor other than the level of exit discharge - not applicable, one story
Due to occupant load an automatic fire sprinkler is required.	

OCCUPANT LOAD (IBC Table 1004.5)		
The Occupant load below is based upon the proposed floor plan layout.		
Function of Space (area total)	Occupant Load Factor	Occupant Load
Multi-Use Space (2,088 sq. ft.)	1 person/7 net sq. ft.	299 persons
Stage (454 sq. ft.)	1 person/15 net sq. ft.	31 persons
Gallery (312 sq. ft.)	1 person/30 net sq. ft.	11 persons
Catering (179 sq. ft.)	1 person/200 net sq. ft.	12 persons
Dressing (219 sq. ft.)	1 person/15 net sq. ft.	15 persons
Offices (640 sq. ft.)	1 person/ 150 gross sq. ft.	5 persons
Accessory Storage (135 sq. ft.)	1 person/ 300 gross sq. ft.	1 person
Total Building Occupancy:		363 persons

EXITING REQUIREMENTS (IBC Sect. 1005.3)			
Floor	Sizing base on Occupant Load	Minimum size per Opening	Proposed
1st Floor	363 persons x 0.2" = 72.6"	32" min. clear (1010.1.1)	7 Exits @ 32" = 224"
Per Table 1006.3.2 Minimum Number of Exits or Access to Exits per Story. For an occupant load of 1-500, a minimum of two exits or access to exits from story are required.			
Per Table 1006.2.1, Two exits or exit access doorways from any space shall be provided where the design occupant load of the common path of egress travel distance exceed 49 persons.			

FIRE HYDRANT SYSTEMS (IEC Sect. 507.5)	
For buildings equipped throughout with an approved automatic sprinkler system installed in accordance with Sec. 903.1.3, a fire hydrant shall be located within 600 feet of the building.	
Nearest fire hydrant is located at northeast corner of Mercer and Old Fitzhugh, near 222 W. Mercer. Fire hydrant is located with 600 ft.	

UNDERFLOOR VENTILATION (IBC 1202.4)	
Per 1202.4.1.1 Ventilation area for crawl spaces with open earth floors. The net area of ventilation openings for crawl spaces with uncovered earth floors shall be not less than 1 square foot for each 150 square feet of crawl space area.	
3,839 sq.ft. / 150 sq.ft. = 25.5 sq.ft. required	
Per 1202.4.1.2 Ventilation area for crawl spaces with covered floors, the net area of ventilation openings for crawl spaces with the ground surface covered with a Class 1 vapor retarder shall be not less than 1 square foot for each 1,500 square feet of crawlspace area	
3,839 sq.ft. / 1,500 sq.ft. = 2.6 sq.ft. required	

REQUIRED PLUMBING FIXTURES (IBC Table 2902.1)			
Water Closets			
	Male	Female	
A-3 Occupancy	179 persons at 1/125 = 1.4	179 persons at 1/65 = 2.8	
B Occupancy	3 persons at 1/25 for 1st 50	3 persons at 1/25 for 1st 50	
	& 1/50 for remainder = .12	& 1/50 for remainder = .12	
TOTAL	2	3	
TOTAL PROVIDED	3	4	
Lavatories			
	Male	Female	
A-3 Occupancy	179 persons at 1/200 = .895	179 persons at 1/200 = .895	
B Occupancy	3 persons at 1/40 for 1st 80	3 persons at 1/40 for 1st 80	
	& 1/80 for remainder = .075	& 1/80 for remainder = .075	
TOTAL REQUIRED	2	2	
TOTAL PROVIDED	4	4	

Drinking Fountains	
A-3 Occupancy	220 occupants @ 1/500 = 1
B Occupancy	5 occupants @ 1/100 = .05
TOTAL	1.05

Other: 1 service sink

PROVIDED PLUMBING FIXTURES
A-3 occupancy: 3 unisex restrooms with 3 water closets and 3 lavatories shall be provided for A-3 occupancy. Separate women's and men's restrooms shall be provided for A-3 occupancy. The women's shall have 2 water closets and 2 lavatories. The men's shall have 1 water closet, 1 urinal, and 2 lavatories. All restrooms shall be ADA compliant

B occupancy: 1 unisex restroom with 1 water closet and 1 lavatory shall be provided for B occupancy. The restroom shall be ADA compliant.

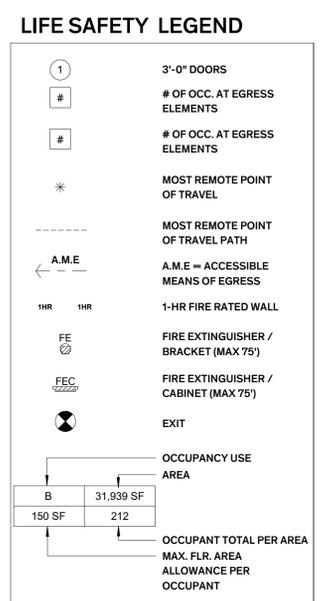
Service sink and drinking fountain shall be provided in A-3 occupancy. Total provided fixture count is 7 water closets, 8 lavatories, 1 water fountain and 1 service sink.

PROPOSED NEW BUILDING ELEMENTS AND SYSTEMS TO BRING BUILDING CLOSER INTO COMPLIANCE:

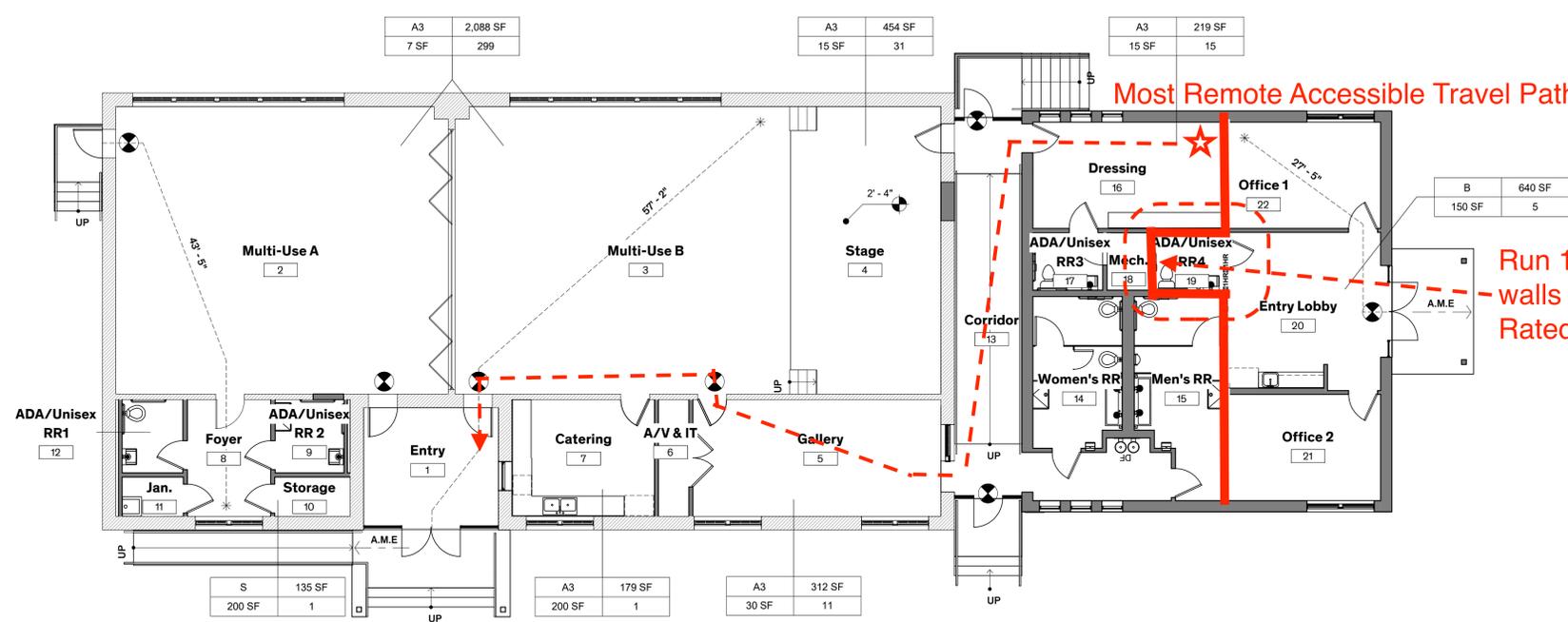
- HVAC system: New HVAC system throughout complying with section 1004.3.2.4 and section 602 of the international mechanical code.
- Automatic Fire detection: New smoke detectors throughout.
- Means of Egress emergency lighting: New means of egress lighting and exit signs with battery backup power in the event of power failure to the site or building.
- ADA compliant ramps shall be provided at west entry and in addition as part of the accessible route to the building and the stage.
- Accessible restrooms throughout
- Class 1 vapor barrier shall be provided at crawl space

NON-COMPLIANT ITEMS REQUIRING CODE OFFICIAL APPROVAL/VARIANCES

- Underfloor Ventilation:** Per IBC section 1202.4.1.1 the net area of ventilation openings shall not be less than 25.5 sq.ft., proposed Crawl space ventilation provides 23 sq.ft. of ventilation. *May require mechanical ventilation or Class 1 vapor retarder*



Parking Requirements per City Ordinances



1 Life Safety Floor Plan
1/8" = 1'-0"

City Building Official Preliminary Life Safety Review required prior to CD's

City of Dripping Springs
STEPHENSON SCHOOL BUILDING, REHABILITATION AND ADDITION

311 Old Fitzhugh Rd.
 Dripping Springs, TX 78620

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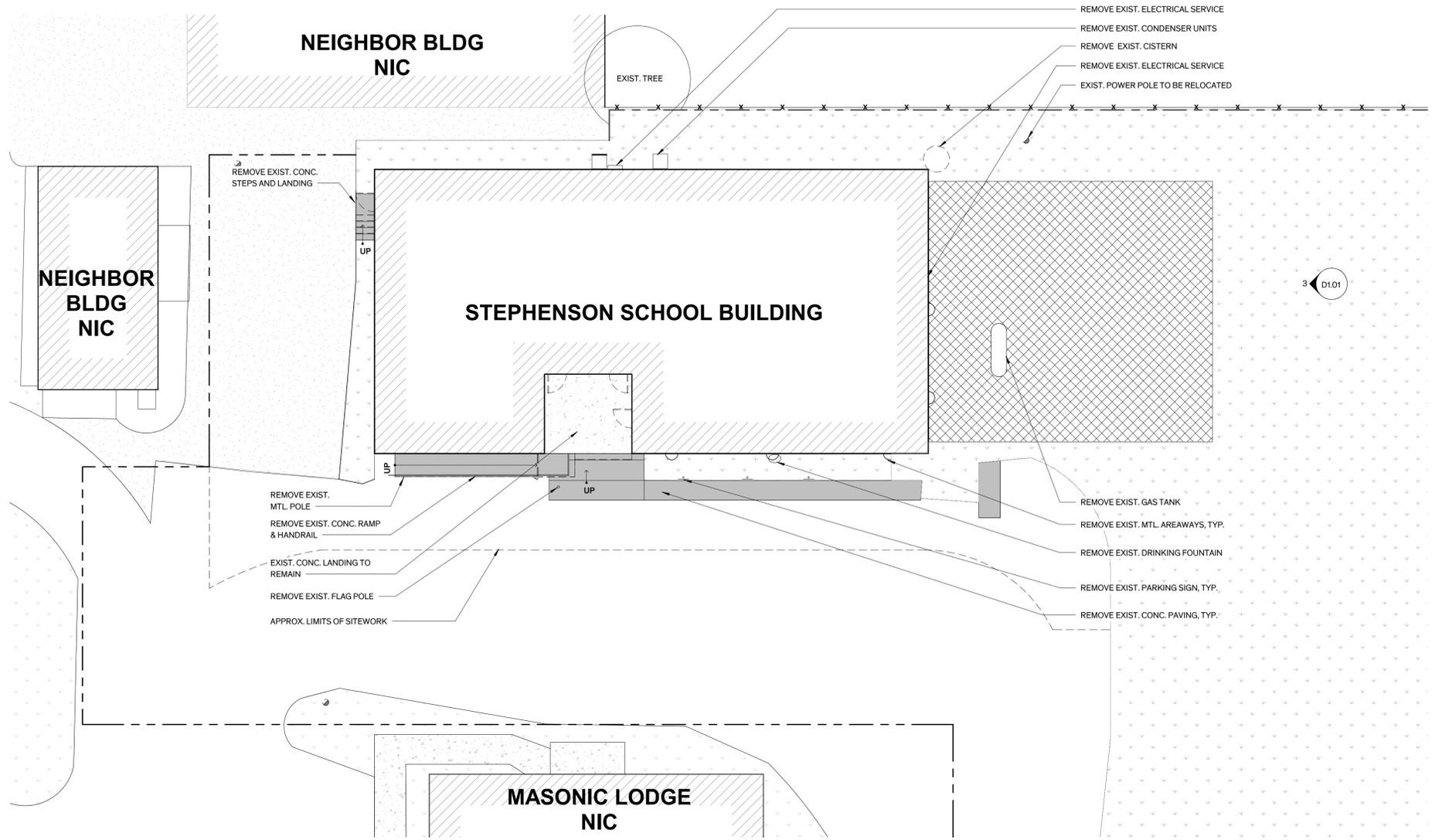
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 10/11/2023

Architexas No. 2314 Date October 11, 2023

Sheet Name Life Safety

Sheet Number **Ao.02**



GENERAL NOTES - SITE DEMO

- GENERAL SITE WORK:**
 - UTILITY LOCATIONS ARE APPROXIMATE, V.I.F. LOCATE GAS, WATER, ELECTRICAL, & OTHER MISC. UTILITY LINES PRIOR TO TRENCHING. CAREFULLY HAND DIG OR HYDRO EXCAVATE IN AREA OF WORK ADJACENT TO UNDERGROUND UTILITIES TO PREVENT DAMAGE TO EXIST. LINES.
 - REFERENCE MEP DRAWINGS FOR SCOPE OF SITE UTILITY WORK. INFORMATION FOR SITE PLAN WAS TAKEN FROM SURVEY PREPARED BY MCCANN ADAMS STUDIO, DATED NOVEMBER 11, 2020, DRIPPING SPRINGS TIRZ PRIORITY PROJECTS. A COPY IS INCLUDED IN THE APPENDIX OF THE PROJECT MANUAL.
- TREE PROTECTION:** PROTECT EXIST. TREES & ROOT SYSTEMS DURING EXCAVATING & BACKFILLING OPERATIONS. IF TREES ARE DAMAGED BY CONSTRUCTION OPERATIONS, CONTRACTOR SHALL OBTAIN THE SERVICES OF A CERTIFIED ARBORIST TO PERFORM REPAIRS AT NO ADDITIONAL COST TO THE OWNER.
- DEMOLITION:**
 - REMOVE EXISTING CONCRETE PAVING
 - REMOVE CONC. RAMP, LANDING, & STEP AT EAST ELEVATION
 - REMOVE CONC. STEPS AND LANDING AT SOUTH ELEVATION
 - REMOVE MTL. AREAWAYS AT EAST ELEVATION
 - REMOVE EXIST. MEP EQUIPMENT & DISTRIBUTION SYSTEMS ATTACHED TO THE EXTERIOR OF THE BUILDING U.O.N., REF. MEP.

LEGEND - DEMO SITE PLAN

	EXIST. CONCRETE TO BE REMOVED
	EXCAVATION AREA
	EXISTING DECOMPOSED GRANITE
	EXIST. BUILDING
	EXIST. LANDSCAPING
	EXIST. CONCRETE
	EXIST. FENCE
	PROPERTY LINE
	POWER POLE
	EXIST. PARKING SIGN

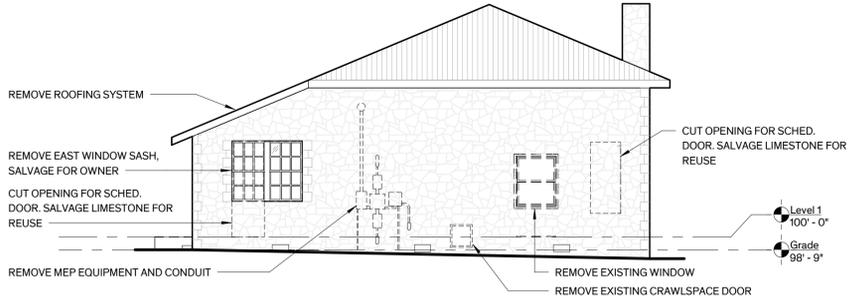
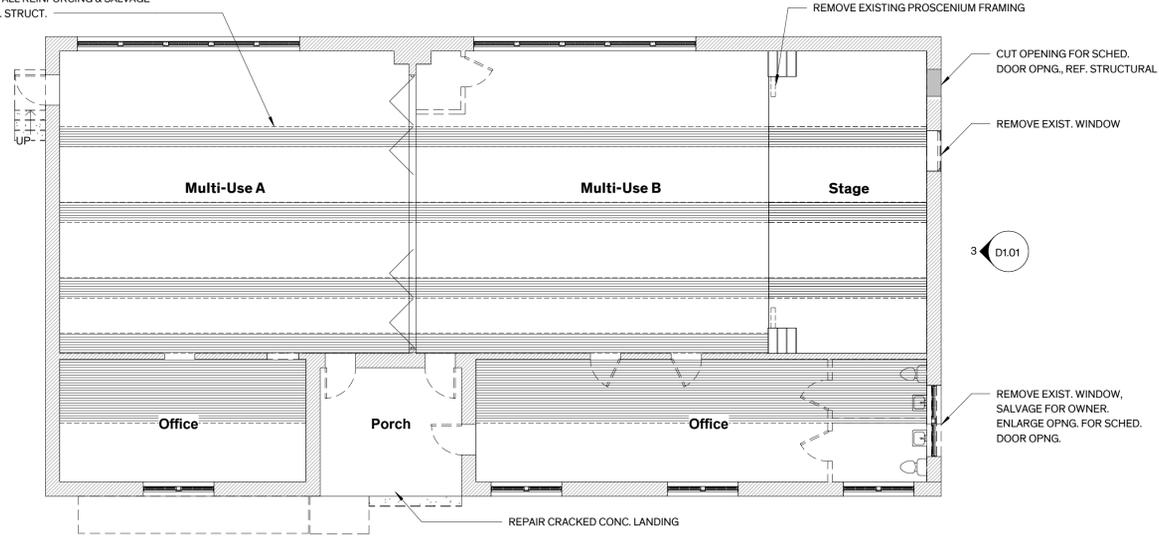
LEGEND - DEMO LEVEL 1

	EXIST. MASONRY WALL TO REMAIN
	MASONRY WALL TO BE REMOVED
	ELEMENT TO BE REMOVED
	WALLS TO BE REMOVED
	REMOVE DOOR & HARDWARE, FRAME TO REMAIN
	EXISTING WOOD FLOOR TO BE REMOVED

GENERAL NOTES - FP DEMO

- GENERAL:**
 - ITEMS NOT MARKED FOR REUSE ARE TO BE SALVAGED FOR THE OWNER OR ARE TO BE REMOVED FROM THE SITE & PROPERLY DISPOSED OF PER LOCAL CODE. COORDINATE ITEMS TO BE SALVAGED WITH OWNER.
- PROTECTION:**
 - PRIOR TO THE START OF WORK PROTECT INTERIOR FINISHES & ELEMENTS SCHEDULED TO REMAIN DURING DEMOLITION & CONSTRUCTION PROCEDURES. DAMAGE TO EXISTING FINISH SURFACES & ELEMENTS BY THE CONTRACTOR SHALL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER.
 - PROVIDE PROTECTION FOR FLOOR ASSEMBLIES INCLUDING STAIR TREADS & FINISHES SCHEDULED TO REMAIN ADJACENT TO DEMOLITION ACTIVITY.
 - PROVIDE PROTECTION FOR HISTORIC SIGNAGE TO REMAIN ADJACENT TO DEMOLITION ACTIVITY. REMOVE ALL OTHER SIGNAGE.
 - REMOVE DEBRIS FROM DEMOLITION AT THE END OF EACH WORK DAY, & MAINTAIN BUILDING IN A SAFE MANNER CLEAR OF DEMOLITION & CONSTRUCTION DEBRIS & EQUIPMENT.
 - WHERE FLOOR ASSEMBLIES ARE SCHEDULED TO BE REMOVED, PROVIDE OSHA COMPLIANT TEMPORARY 2X4 WOOD RAILING AT PERIMETER OF FLOOR OPNG. DO NOT DAMAGE EXIST. FINISHES SCHEDULED TO REMAIN.
- FLOORS:**
 - GENERAL: REMOVE MISC. PIPES, CONDUIT, FASTENERS, ETC. OR CUT DOWN MIN. 1' BELOW FINISH FLOOR SURFACE AS REQUIRED TO PREP SURFACES FOR SCHEDULED REPAIRS. CAREFULLY REMOVE EXIST. WOOD FLOORING TO EXPOSE GIRDERS AS REQ.'D TO INSTALL REINFORCING & SALVAGE FOR REINSTALLATION, REF. STRUCT.
 - FULLY PROTECT WOOD FLOORING SCHEDULED TO REMAIN
 - ASSUME APPROXIMATE 5% FLOOR REPLACEMENT
- WALLS:**
 - PLASTER: REMOVE DAMAGED, DETERIORATED & DETACHED PLASTER FINISH TO SOUND SUBSTRATE INCLUDING SKIM COAT & NON-ORIGINAL WALL TEXTURE ENTIRELY, U.O.N. REMOVE POOR PRIOR PATCHES. SOUND PLASTER WITH RUBBER MALLET TO DETERMINE EXTENT OF DETACHED PLASTER. ASSUME APPROXIMATE 5% OF TOTAL PLASTER FINISH WILL REQUIRE REMOVAL.
 - REFER TO SHT A3.01 FOR EXTENT OF DEMOLITION AT NORTH ELEVATION
- PROSCENIUM:**
 - REMOVE PROSCENIUM FRAMING
 - REPAIR/REPLACE BEADBOARD FACE AT BASE OF STAGE. ASSUME APPROXIMATE 5% REPLACEMENT
- CEILING:**
 - REPAIR/REPLACE EXIST. WD. FURRING STRIPS WHERE SCHEDULED TO REMAIN.
- DOORS:**
 - REMOVE & DISCARD NON-ORIGINAL DOORS & ASSOCIATED FRAME, CASINGS, & TRIM WHERE INDICATED.
- MEP:**
 - REMOVE EXIST. MEP SYSTEMS ENTIRELY U.O.N REF. MEP.
 - MECHANICAL: REMOVE EXIST. MECHANICAL EQUIPMENT, RELATED DEVICES, & DISTRIBUTION LINES.
 - ELECTRICAL: REMOVE EXIST. LIGHT FIXTURES, RELATED DEVICES, & DISTRIBUTION LINES, INCLUDING WIRE MOLD.
 - PLUMBING: REMOVE EXIST. PLUMBING FIXTURES & RELATED PLUMBING LINES.
 - FIRE ALARM & SMOKE DETECTORS: REMOVE EXIST. DEVICES & DISTRIBUTION LINES. REMOVAL ALL DEVICES & LINES ON THE EXTERIOR OF THE BUILDING, REF. MEP FOR RELOCATION
 - REMOVE ALL LINES THAT WILL BE ABANDONED RESULTING FROM THE WORK OF THIS CONTRACT.
 - DEMO & REINFORCE EXIST. CONSTRUCTION FOR INSTALLATION OF MEP SYSTEMS. REF. MEP & STRUCTURAL DWGS.
 - EXACT LOCATION OF FLOOR & CEILING GRILLES/REGISTERS ARE TO BE MARKED IN-SITU BY THE CONTRACTOR & APPROVED BY THE ARCHITECT PRIOR TO CUTTING OF STRUCTURAL ELEMENTS (MASONRY WALLS, FLOOR FRAMING, ETC.) & FINISH SURFACES.
- RESTROOMS:** REMOVE EXIST. PLUMBING FIXTURES & TOLIET ACCESSORIES ENTIRELY.
- ROOFING SYSTEM:** REFER TO SHT. A2.21 FOR EXTENT OF DEMOLITION
- HAZARDOUS MATERIALS ABATEMENT:**
 - OWNER TO PROVIDE HAZARDOUS MATERIALS TESTING PRIOR TO ANY DEMOLITION

CAREFULLY REMOVE EXIST. WD. FLOORING TO EXPOSE GIRDERS AS REQ.'D TO INSTALL REINFORCING & SALVAGE FOR REINSTALLATION, REF. STRUCT.



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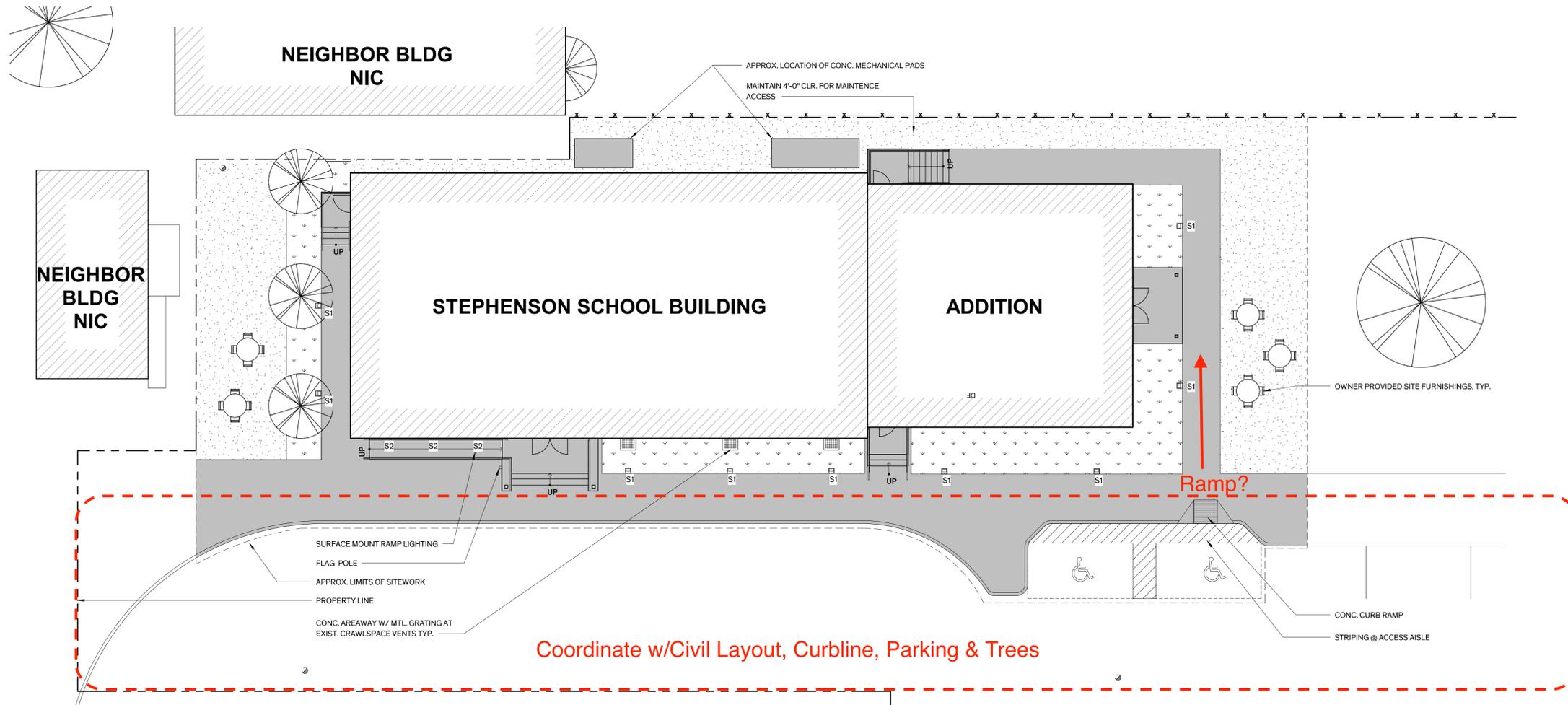
Architexas No. 2314 Date October 11, 2023

Sheet Name Demo Site Plan, Floor Plan, & North Elevation

Sheet Number

GENERAL NOTES - SITE PLAN

1. **GENERAL SITE WORK**
 - A. UTILITY LOCATIONS ARE APPROXIMATE. V.I.F. LOCATE GAS, WATER, ELECTRICAL, GEOTHERMAL & OTHER MISC. UTILITY LINES PRIOR TO TRENCHING.
 - B. REFERENCE MEP DRAWINGS FOR SCOPE OF SITE UTILITY WORK.
 - C. INFORMATION FOR SITE PLAN WAS TAKEN FROM SURVEY PREPARED BY MCCANN ADAMS STUDIO, DATED NOVEMBER 11, 2020, DRIPPING SPRINGS TIRZ PRIORITY PROJECTS. A COPY IS INCLUDED IN THE APPENDIX OF THE PROJECT MANUAL.
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 - A. PROTECT EXIST. TREES & ROOT SYSTEMS DURING EXCAVATING & BACKFILLING OPERATIONS. IF TREES ARE DAMAGED BY CONSTRUCTION OPERATIONS, CONTRACTOR SHALL OBTAIN THE SERVICES OF A CERTIFIED ARBORIST TO PERFORM REPAIRS AT NO ADDITIONAL COST TO THE OWNER.
3. **SITE WORK**
 - A. PROVIDE CONCRETE AREAWAY WITH DRAIN COINCIDING WITH LOCATION OF EACH ORIGINAL CRAWLSPACE OPENING AT EAST ELEVATION
4. **SITE LIGHTING**
 - A. PROVIDE SITE LIGHTING WHERE INDICATED, REF. MEP



LEGEND - SITE PLAN

	BUILDING EXTENTS
	NEW PLANTING AREA
	NEW STABILIZED DECOMPOSED GRANITE
	NEW CONC. PAVING
	EXISTING CONCRETE
	EXIST. FENCE
	PROPERTY LINE
	POWER POLE
	S1 - EXTERIOR GROUND MOUNT WALL WASHER
	S2 - SURFACE MOUNT STEP AND WALL LIGHT

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 STEPHENSON SCHOOL
 BUILDING,
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Sheet Name Site Plan

Sheet Number

GENERAL NOTES - RCP

- LIGHT FIXTURE LOCATIONS:**
 - LIGHT FIXTURES ARE TO BE LOCATED IN THE FIELD AS DIMENSIONED ON THE ARCHITECTURAL REFLECTED CEILING PLANS U.O.N
 - LIGHT FIXTURES & CEILING DEVICES SHALL BE LOCATED IN EXISTING WOOD FURRING
 - LIGHT FIXTURE LOCATIONS HAVE PRIORITY OVER LOCATION OF DEVICES FOR OTHER MEP EQUIPMENT. CONTRACTOR TO COORDINATE LOCATION OF MEP SYSTEMS AWAY FROM LIGHT FIXTURES. MEP SHOP DRAWINGS ARE TO INCLUDE AN OVERLAY OF LIGHT FIXTURE LOCATIONS.
 - SINGLE LIGHT FIXTURE IN A ROOM SHALL BE CENTERED WITHIN THE SPACE UNLESS DIMENSIONED OR NOTED OTHERWISE
 - EXIT SIGNS AT DOORWAYS SHALL BE CENTERED ON DOOR OPENING, U.O.N
- DEVICE LOCATIONS:** LOCATE DEVICE ON CENTERLINE OF LIGHT FIXTURE ROWS & AT MIDPOINT BETWEEN FIXTURES WHEREVER POSSIBLE
- HVAC GRILLE AND DIFFUSER LOCATIONS:**
 - HVAC RETURN & SUPPLY GRILLES ARE TO BE LOCATED AS INDICATED ON THE ARCHITECTURAL PLANS, REFLECTED CEILING PLANS, SECTIONS, DETAILS, & INTERIOR ELEVATIONS WHERE NOTED, WHENEVER POSSIBLE.
 - CENTER WALL GRILLE ABOVE DOOR
 - WHERE GRILLES OF DIFFERENT HEIGHTS ARE SCHEDULED ON THE SAME WALL, ALIGN TOP OF GRILLES.
- DISCREPANCIES OR CONFLICTS:** CONTRACTOR IS TO NOTIFY ARCHITECT IF A DISCREPANCY OR CONFLICT OCCURS THAT DOES NOT ALLOW PLACEMENT OF ELEMENTS AS NOTED ABOVE. IF SUCH CONDITION OCCURS THE CONTRACTOR MUST PROVIDE AN R.F.I. ALONG WITH A DRAWING, WHERE APPLICABLE, WHICH DESCRIBES THE CONFLICT, AND THE CONTRACTOR IS TO PROVIDE A RECOMMENDATION FOR ALTERNATE PLACEMENT
- FINISHING AT CONCEALED LOCATIONS:** REMOVE LOOSE, DELAMINATING, & DAMAGED FINISH AT NEW SUSPENDED CEILINGS, FURR-DOWNS & HVAC CHASES. DO NOT REPAIR PLASTER OR PAINT FINISH SURFACES AT CONCEALED LOCATIONS
- FINISHES:** REFER TO ROOM FINISH SCHEDULE & GENERAL FINISH NOTES, SHT. A-6.01 FOR SCOPE OF WORK
- HISTORIC LIGHT FIXTURES (H TYPE):** "H" DESIGNATIONS FOR PERIOD LIGHT FIXTURE TYPES DENOTES ORIGINAL OR EARLY LIGHT FIXTURE LOCATIONS. NEW PERIOD FIXTURES ARE TO BE INSTALLED IN ORIGINAL LOCATIONS.

GENERAL NOTES - PLAN

- DIMENSIONING AT WALLS:** WALL DIMENSIONS ARE FINISHED FACE OF WALL TO FINISHED FACE OF WALL U.O.N
- MASONRY INFILL:**
 - FILL OPENINGS AT ABANDONED MEP PENETRATIONS TO MATCH EXISTING CONSTRUCTION. FINISH WALLS & CEILINGS AS SCHEDULED TO PROVIDE A SEAMLESS TRANSITION BETWEEN EXISTING & NEW CONSTRUCTION
- STRUCTURAL STEEL (REFER TO STRUCTURAL):**
 - PROVIDE UNTELS AT NEW OR MODIFIED OPENINGS IN MASONRY WALLS AT SCHEDULED DOOR/GRILLE OPENINGS & MEP PENETRATIONS WHERE INDICATED
 - REINFORCE GIRDERS AS REQ.'D
- ROUGH CARPENTRY (REFER TO STRUCTURAL) PARTITIONS:**
 - REFER TO SHT. A5.01 FOR PARTITION TYPES
 - REPAIR HOLES IN EXIST. PARTITIONS SCHEDULED TO REMAIN. MATCH CONSTRUCTION AND FINISH OF EXIST. WALL ASSEMBLY AS REQ.'D TO PROVIDE A SEAMLESS TRANSITION BETWEEN REPAIRED AREAS & ADJACENT SURFACES
- MILLWORK:**
 - WOOD BASE:
 - REFER TO ROOM FINISH SCHED., SHT. A5.01 FOR COMPLETE SCOPE OF WORK.
- DOORS:**
 - REFER TO DOOR SCHEDULE ON SHT. A5.21
- WINDOWS:**
 - REFER TO WINDOW SCHEDULE ON SHT. A5.11
- FINISHES:**
 - REFER TO ROOM FINISH SCHEDULE GENERAL FINISH NOTES ON SHT. A5.01 FOR SCOPE OF WORK
- FLAT PLASTER WALL RESTORATION:**
 - REFER TO ROOM FINISH SCHEDULE SHT. A5.01 FOR SCOPE OF WORK
- FLOOR FINISH RESTORATION:**
 - REFER TO ROOM FINISH SCHEDULE SHT. A5.01 FOR SCOPE OF WORK
- TOILET ACCESSORIES:**
 - REFER TO TOILET ACCESSORIES SCHEDULE ON SHT. A6.01
- SIGNAGE:** PROVIDE SIGNAGE TO COMPLY WITH TAS, REF. SPEC. SECT. 10425- SIGNAGE
- INSULATION:** REFER TO WALL TYPES SHT. A5.01 FOR INSULATION IN NEW WALLS

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LEGEND - RCP

	NEW WALL
	EXIST'G WALL
	EXIST'G WD FURRING
	BEAD BOARD
	TONGUE & GROOVE WOOD CEILING
	GYP BD CEILING
	CEILING-HUNG PROJECTOR
A	4.5" ROUND RECESSED DOWNLIGHT
B1	6" SURFACE MOUNT CYLINDER DOWNLIGHT
B2	4" SURFACE MOUNT CYLINDER DOWNLIGHT
C	4.5" DIAMETER RECESSED ADJUSTABLE DOWNLIGHT
D1	15" CONE PENDANT
D2	10" CONE PENDANT
E1	EXTERIOR 6" LANTERN PENDANT
F	6" CONE WALL SCNCE
G	RECESSED MARQUEE DTRIP LIGHT
H1	PENDANT WITH 12" GLASS SHADE
H2	SURFACE MOUNT WITH 12" GLASS SHADE
H3	SURFACE MOUNT WITH 10" GLASS SHADE
H4	WALL SCNCE WITH 6" GLASS SHADE
M1/M2	SURFACE MOUNT STRIP LIGHT
X1	CEILING MOUNT EXIT LIGHT
X2	WALL MOUNT EXIT LIGHT

LEGEND - FP

	NEW WALL
	EXIST'G WALL

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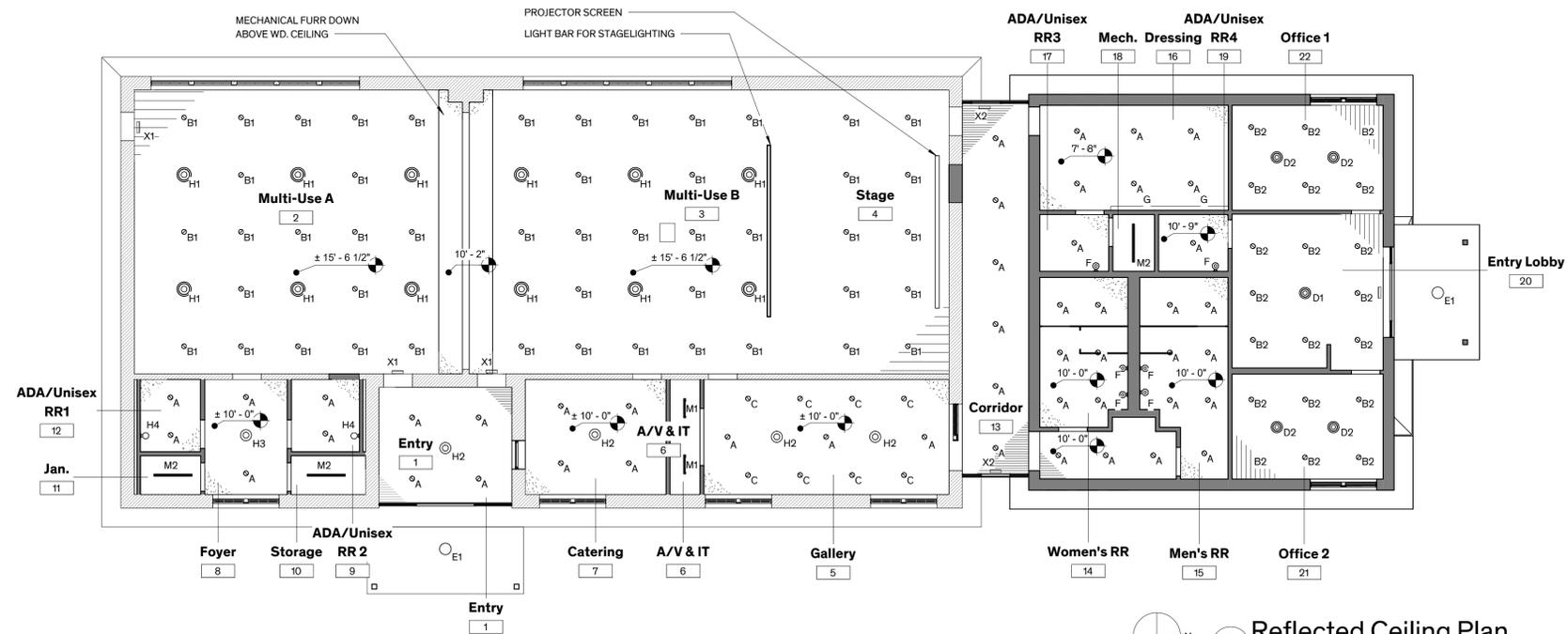
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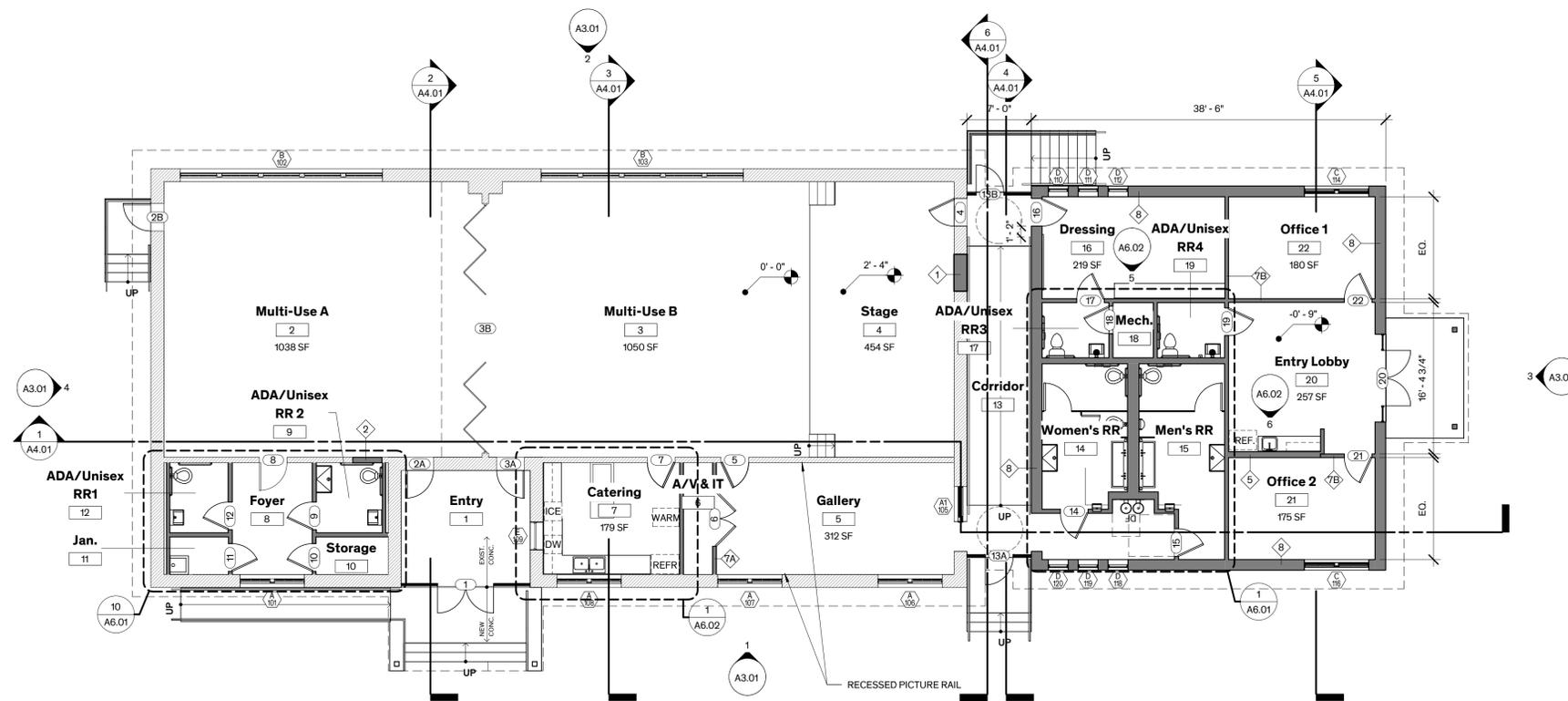
Sheet Name Floor Plan & Reflected Ceiling Plan

Sheet Number

A2.01



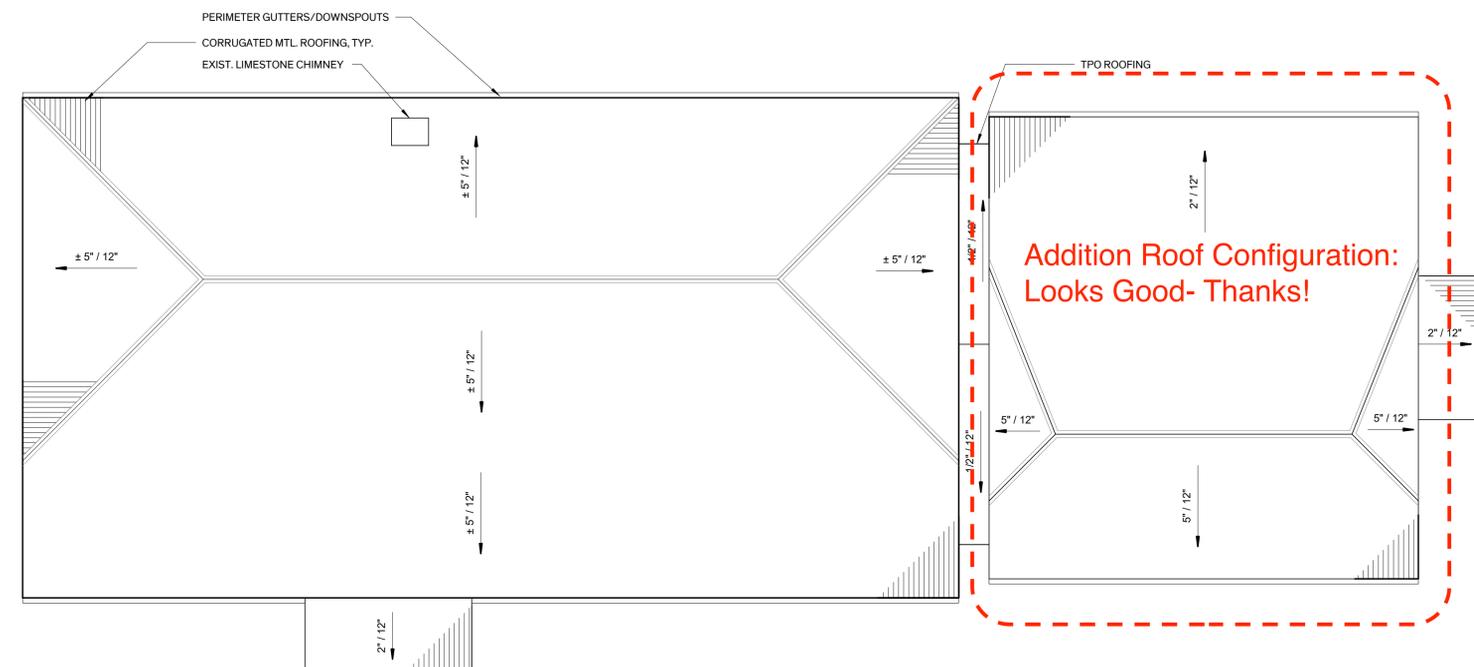
2 Reflected Ceiling Plan
1/8" = 1'-0"
PLAN NORTH



1 Level 1 Floor Plan
1/8" = 1'-0"
PLAN NORTH

GENERAL NOTES - ROOF

1. **DEMOLITION:**
 - A. REMOVE EXIST. CORRUGATED MTL. ROOFING TO EXPOSE WOOD FRAMING, INCLUDING ASSOCIATED FLASHING ELEMENTS
 - B. WOOD SOFFIT BOARD TO REMAIN, ALLOW APPROXIMATE 25% REPLACEMENT
 - C. WOOD RAFTER TAILS TO REMAIN, ALLOW APPROXIMATE 10% REPLACEMENT
 - D. REMOVE EXIST. FASCIA BOARD. REPLACE FASCIA BOARD AT SELECT NORTH AND SOUTH ELEVATIONS AS NOTED
 - E. REMOVE EXIST. SHT. MTL. GUTTERS & DOWNSPOUTS
2. **ROOFING:**
 - A. PROVIDE CORRUGATED MTL. ROOFING INCLUDING WOOD SUBSTRATE, UNDERLAYMENT, SHT. MTL. FLASHING, & INSULATION AS REQ.'D FOR A COMPLETE SYSTEM AT EXISTING BUILDING AND ADDITION
 - B. PROVIDE TPO MEMBRANE ROOF @ GLASS LINK BETWEEN EXIST. BUILDING AND ADDITION
3. **CHIMNEY:**
 - A. REPOINT CHIMNEY, ASSUME %
4. **GUTTERS AND DOWNSPOUTS**
 - A. REPLACE SHEET METAL GUTTERS AND DOWNSPOUTS 100% PROVIDE SPLASH BLOCKS AT THE BOTTOM OF EACH DOWNSPOUT, DIRECT WATER AWAY FROM THE BUILDING.
 - B. FASTEN DOWNSPOUT STRAPS TO MASONRY AT JOINTS, DO NOT ANCHOR INTO MASONRY UNITS



1 Roof Plan
1/8" = 1'-0"

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Sheet Name
Roof Plan

Sheet Number

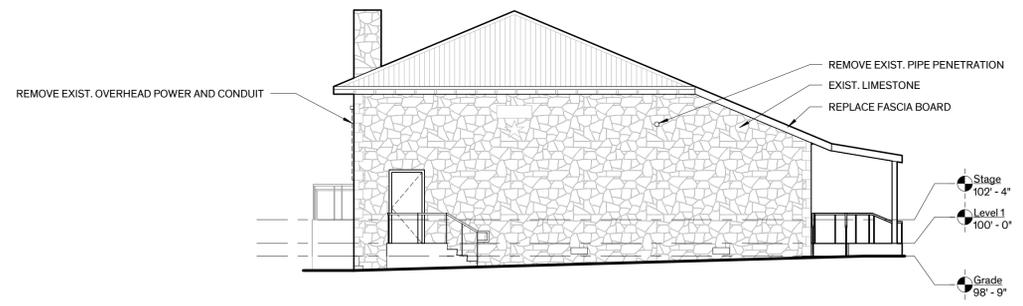
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LEGEND - ELEVATIONS

	CORRUGATED MTL. ROOF
	EXIST'G LIMESTONE
	CONTEMPORARY LIMESTONE

GENERAL NOTES - ELEVATIONS

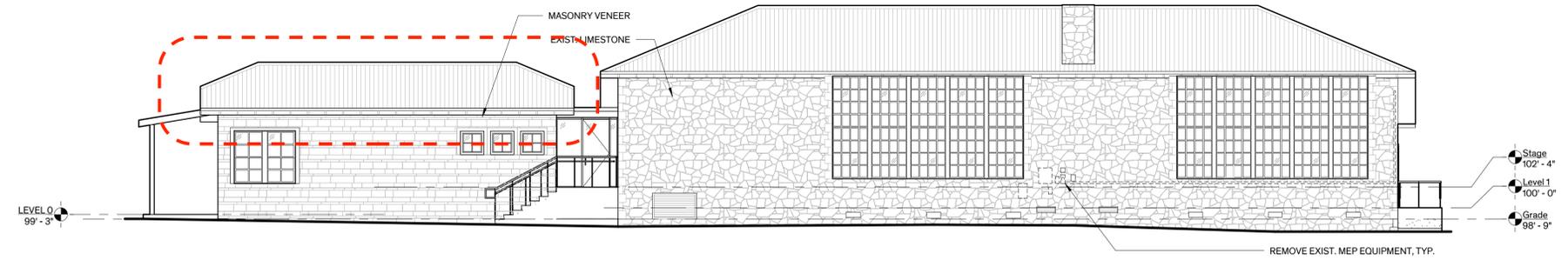
1. **MASONRY CLEANING:**
 - A. PRIOR TO CLEANING OF EXTERIOR, CLEAN & REMOVE DEBRIS (DIRT, BIRD DROPPING, ETC.) FROM EXTERIOR SURFACES.
 - B. CLEAN STONE MASONRY & EAST CONCRETE PORCH 100%
2. **STONE MASONRY RESTORATION:** SELECTIVELY REPAIR STONE MASONRY, SEE BELOW FOR DESCRIPTION OF WORK.
 - A. CAREFULLY REMOVE LIMESTONE AT SCHEDULED OPENINGS, SALVAGE FOR REUSE
 - B. STONE MASONRY INFILL: INFILL WITH NEW OR SALVAGED STONE MASONRY UNITS TO MATCH EXIST. IN SIZE, COLOR, & SURFACE TEXTURE/FINISH. DO NOT DAMAGE ADJACENT UNITS. TOOTH-IN REPLACEMENT UNITS TO MATCH BED & REPOINT WITH APPROVED MORTAR.
3. **MORTAR JOINTS**
 - A. REPOINT DETERIORATED MASONRY JOINTS AS REQUIRED, ASSUME % OF TOTAL EXPOSED AREA
 - B. REPOINT DETERIORATED MASONRY JOINTS AT EXPOSED INTERIOR MASONRY AT GABLE ENDS ABOVE CEILING FRAMING, ASSUME 100% OF TOTAL EXPOSED AREA
4. **REMOVAL OF FASTENERS:** REMOVE MISCELLANEOUS ABANDONED FASTENERS, BOLTS, CLAMPS, NON-HISTORIC SIGNAGE, ETC... ON THE EXTERIOR OF THE BUILDING THAT ARE ATTACHED OR EMBEDDED IN EXISTING MATERIALS & ARE NOT BEING USED TO FASTEN ELEMENTS TO REMAIN. PATCH HOLES AT REMOVED FASTENERS OR BRACKETS TO MATCH ADJACENT SURFACES. PROVIDE MASONRY PATCH REPAIR.
 - A. PROVIDE PROTECTION FOR HISTORIC SIGNAGE TO REMAIN ADJACENT TO DEMOLITION ACTIVITY, REMOVE ALL OTHER SIGNAGE.
5. **ROOF:** REFER TO SHT. A2.21 FOR EXTENT OF ROOFING WORK
6. **DOORS & WINDOWS:**
 - A. REFER TO DOOR SCHEDULE ON SHEET A5.21 & DETAILED DOOR INVENTORY FOR SCOPE OF WORK
 - B. REFER TO WINDOW SCHEDULE ON SHEET A5.11 & DETAILED WINDOW INVENTORY FOR SCOPE OF WORK
7. **CRAWL SPACE:**
 - A. VENTS & AREAWAYS: REMOVE EXISTING METAL VENT GRATES AND HALF ROUND METAL AREAWAYS.
 - B. REMOVE EXISTING CRAWLSPACE ACCESS HATCH AT NORTH ELEVATION
 - C. PROVIDE NEW CRAWLSPACE ACCESS HATCH AND VENTS WHERE INDICATED
 - D. REPOINT DETERIORATED MASONRY JOINTS AT INTERIOR OF CRAWL SPACES AS REQUIRED, ASSUME % OF TOTAL EXPOSED AREA
8. **SEALANTS:** PROVIDE/REPLACE SEALANT AT PERIMETER OF DOOR & WINDOW OPENINGS, PENETRATIONS, JOINTS, BETWEEN DISSIMILAR MATERIALS, & OTHER LOCATIONS AS REQ'D FOR WEATHERTIGHT ASSEMBLIES.
9. **PAINT:**
 - A. WOOD WINDOW ASSEMBLIES
 - B. WOOD & METAL DOOR ASSEMBLIES
 - C. METAL CRAWLSPACE VENTS
 - D. EXTERIOR ARCHITECTURAL WOODWORK
10. **MEP:**
 - A. REMOVE EXIST. MEP EQUIPMENT & DISTRIBUTION SYSTEMS ATTACHED TO THE EXTERIOR OF THE BUILDING UNLESS OTHERWISE NOTED. REF. MEP PATCH HOLES AT REMOVED FASTENERS OR BRACKETS TO MATCH ADJACENT SURFACES. PROVIDE MASONRY PATCH REPAIR.



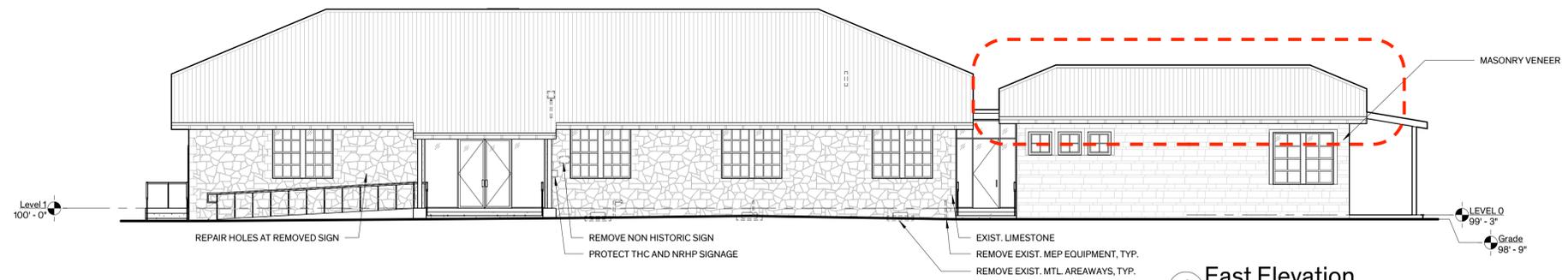
4 South Elevation
1/8" = 1'-0"



3 North Elevation
1/8" = 1'-0"



2 West Elevation
1/8" = 1'-0"



1 East Elevation
1/8" = 1'-0"

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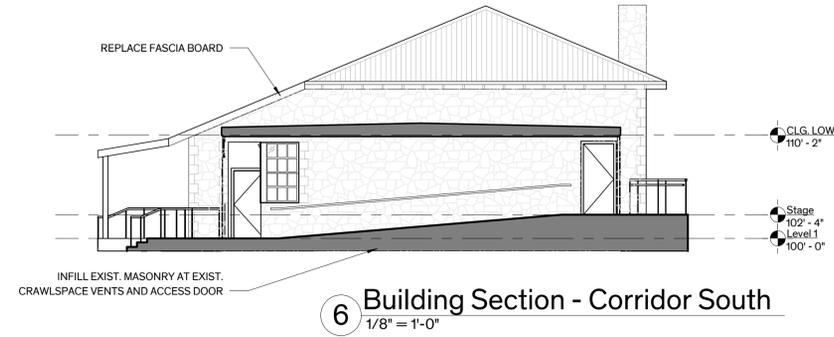
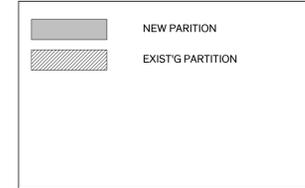
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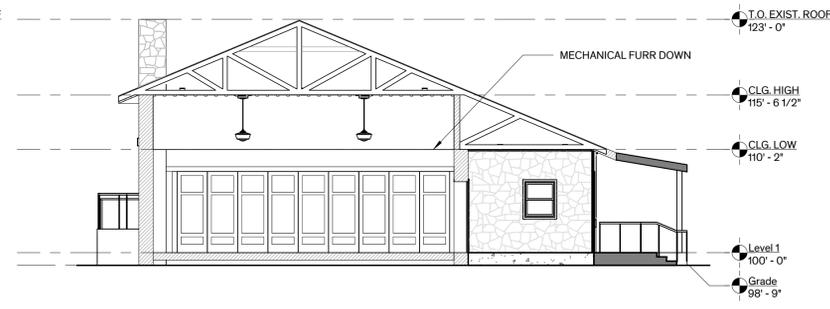
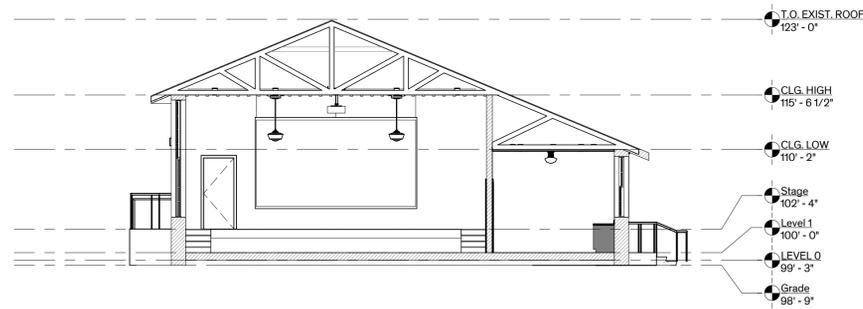
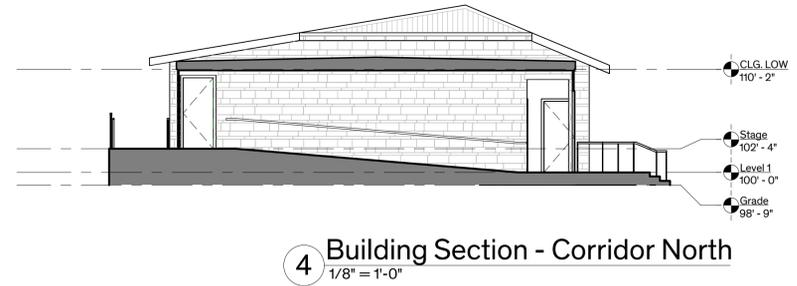
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Exterior Elevations
Sheet Number

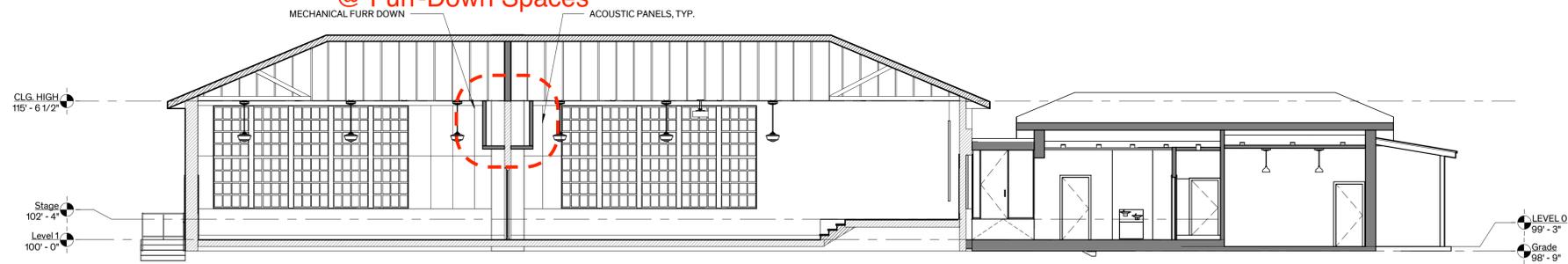
LEGEND - SECTIONS



Addition Building Section
 Looks Good- Thanks!



Confirm Mech Equip Req'mts
 @ Furr-Down Spaces



City of Dripping Springs
 STEPHENSON SCHOOL
 BUILDING,
 REHABILITATION AND
 ADDITION

311 Old Fitzhugh Rd.
 Dripping Springs, TX
 78620

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REVISION HISTORY

TIRZ PM
 Review Comments:
 231018- KES

DD REV.

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Larry Irsik

10/11/2023

Architexas No. 2314 Date October 11, 2023

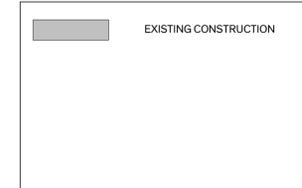
Sheet Name Building Sections

Sheet Number

A4.01

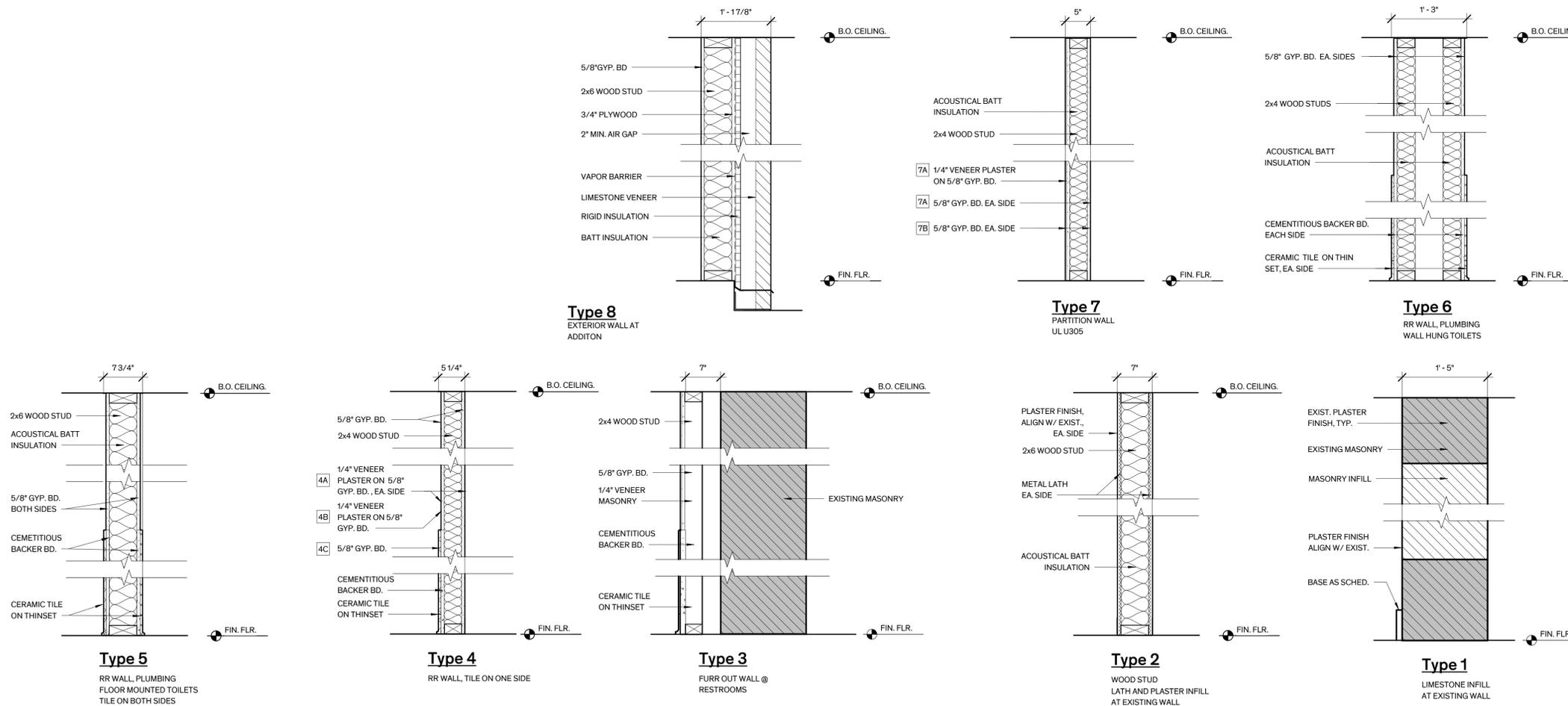
FINISH SCHEDULE															
ROOM #	ROOM NAME	FLOOR	WALL BASE				WALLS				CEILING	MILLWORK			REMARKS
			NORTH	EAST	SOUTH	WEST	NORTH	EAST	SOUTH	WEST		CABINETS	COUNTER	BACKSPLASH	
1	Entry	EXIST. CONC.	-	-	-	-	EXIST. STONE	GLASS	EXIST. STONE	EXIST. STONE	WD. BEADBOARD				
2	Multi-Use A	EXIST. WD.	WD. TYPE 1	WD. TYPE 1	WD. TYPE 1	WD. TYPE 1	EXIST. PLASTER	EXIST. PLASTER	EXIST. PLASTER	EXIST. PLASTER	EXIST. FURRING				
3	Multi-Use B	EXIST. WD.	WD. TYPE 1	WD. TYPE 1	WD. TYPE 1	WD. TYPE 1	WD. BEADBOARD	EXIST. PLASTER	EXIST. PLASTER	EXIST. PLASTER	EXIST. FURRING				
4	Stage	EXIST. WD.	WD. TYPE 1	WD. TYPE 1	WD. TYPE 1	WD. TYPE 1	EXIST. PLASTER	EXIST. PLASTER	-	EXIST. PLASTER	EXIST. FURRING				
5	Gallery	EXIST. WD.	WD. TYPE 1	WD. TYPE 1	WD. TYPE 1	WD. TYPE 1	EXIST. PLASTER	EXIST. PLASTER	VENEER PLASTER	EXIST. PLASTER	GYP. BD.				
6	A/V & IT	EXIST. WD.					GYP. BD.	GYP. BD.	EXIST. PLASTER	GYP. BD.					
7	Catering	EXIST. WD.					VENEER PLASTER	EXIST. PLASTER	EXIST. PLASTER	EXIST. PLASTER	GYP. BD.				
8	Foyer	EXIST. WD.	WD. TYPE 1	WD. TYPE 1	WD. TYPE 1	WD. TYPE 1	VENEER PLASTER	EXIST. PLASTER	VENEER PLASTER	EXIST. PLASTER	GYP. BD.				
9	ADA/Unisex RR 2	TILE	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	VENEER PLASTER	VENEER PLASTER	VENEER PLASTER	EXIST. PLASTER	GYP. BD.				
10	Storage	EXIST. WD.	RUBBER	RUBBER	RUBBER	RUBBER	EXIST. PLASTER	EXIST. PLASTER	GYP. BD.	GYP. BD.					
11	Jan.	EXIST. WD.	RUBBER	RUBBER	RUBBER	RUBBER	GYP. BD.	EXIST. PLASTER	GYP. BD.	GYP. BD.					
12	ADA/Unisex RR 1	TILE	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	VENEER PLASTER	VENEER PLASTER	VENEER PLASTER	EXIST. PLASTER	GYP. BD.				
13	Corridor	CONC. OVERLAY					STONE	GLASS	EXIST. STONE	GLASS	WD. BEADBOARD				
14	Women's RR	CONC. OVERLAY	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	GYP. BD.								
15	Men's RR	CONC. OVERLAY	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	GYP. BD.								
16	Dressing	CONC. OVERLAY					GYP. BD.								
17	ADA/Unisex RR 3	CONC. OVERLAY	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	GYP. BD.								
18	Mech.	CONC. OVERLAY	RUBBER	RUBBER	RUBBER	RUBBER	GYP. BD.								
19	ADA/Unisex RR 4	CONC. OVERLAY	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	TILE WAINSCOT	GYP. BD.								
20	Entry Lobby	CONC. OVERLAY	WD. TYPE 2	WD. TYPE 2	WD. TYPE 2	WD. TYPE 2	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	WD. T&G				
21	Office 2	CONC. OVERLAY	WD. TYPE 2	WD. TYPE 2	WD. TYPE 2	WD. TYPE 2	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	WD. T&G				
22	Office 1	CONC. OVERLAY	WD. TYPE 2	WD. TYPE 2	WD. TYPE 2	WD. TYPE 2	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	WD. T&G				

LEGEND - SECTIONS



GENERAL NOTES - FINISHES

- SURFACES:
 - FINISH EXPOSED SURFACES U.O.N THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE COORDINATION OF THE COMPLETE FINISH-OUT OF THE PROJECT. ANY SURFACES WHICH DO NOT HAVE A SPECIFIC FINISH NOTED OR ARE NOTED TO REMAIN UNFINISHED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND FINISHED PER THE ARCHITECT'S INSTRUCTIONS
 - SECURING OF EXIST. MILLWORK AND TRIM: RESECURE EXISTING MATERIALS & PLACE IN ORIGINAL POSITION OF ALIGNMENT WHERE MOVEMENT HAS OCCURRED, SECURE LOOSE BLOCKING & PROVIDE SUPPLEMENTAL BLOCKING AS NECESSARY FOR ATTACHMENT OF EXIST. & NEW MATERIALS OF EXISTING & NEW MATERIALS
- EXPOSED MEP COMPONENTS:
 - EXPOSED DUCTS, CONDUIT, PIPING, WIRING, ASSOCIATED FASTENER, ETC., ARE TO BE PRIMED & PAINTED, EXCEPT IN MECHANICAL ROOMS
- FLOORS:
 - EXIST. WOOD FLOORS:
 - RE-INSTALL SALVAGED WOOD FLOORING IN GOOD CONDITION. WHERE ADDITIONAL MATERIAL IS REQUIRED, PROVIDE MATERIAL MATCHING EXISTING IN SPECIES, CUT, DIMENSIONS, & PROFILE. ASSUME REPLACEMENT OF % OF TOTAL FLOOR AREA
 - CLEAN & REMOVE ADHESIVES, WAX, STAIN & PAINT FINISH ETC., TO BARE WOOD.
 - SCREEN FLOORS & REFINISH; 3-COATS TUNG OIL
- WALLS:
 - EXIST. PLASTER: REPLACE DAMAGED, DETERIORATED, & DETACHED PLASTER FINISH TO SOUND SUBSTRATE, ASSUME REPLACEMENT OF % OF TOTAL WALL AREA. INCLUDES POOR PRIOR PATCHES, CRACKED AREAS, & AREAS EXHIBITING RISING DAMP/MOISTURE DETERIORATION. REPOINT DETERIORATED MORTAR JOINTS BEHIND PLASTER FINISH. CONTRACTOR SHALL SOUND/TAP PLASTER FINISH THROUGHOUT WITH A PLASTIC MALLETT TO DETERMINE EXTENT OF DETACHED PLASTER FINISH & MARK AREAS ON WALL. CONTACT ARCHITECT TO REVIEW PRIOR TO COMPLETE REMOVAL/REPLACEMENT. REPAIR PLASTER FINISH FOLLOWING INSTALLATION OF MEP DEVICES & DISTRIBUTION SYSTEMS & FOLLOWING RESETTING OF STANDING & RUNNING TRIM. NEW PLASTER FINISH SHALL MATCH FINISH & TEXTURE OF ORIGINAL PLASTER FINISH. PLASTER SHALL HAVE A PAINTED FINISH, REF. INTERIOR PAINT SCHEDULE
 - EXIST. WOOD BEADBOARD: REPAIR EXISTING BEADBOARD. SUPPLEMENT WITH NEW AS REQUIRED TO MATCH EXISTING SPECIES, DIMENSIONS, & PROFILE.
 - CERAMIC TILE SURFACES: PROVIDE CEMENTITIOUS BACKER BOARD BEHIND CERAMIC WALL TILES AT NEW PARTITIONS
- CEILING:
 - EXIST. WOOD BEADBOARD:



WINDOW SCHEDULE																													
NO.	SIZE (V.I.F.)		TYPES			HEAD	JAMB	SILL	GLASS		SECURITY BAR		Hardware (Quantities)																REMARKS
	WIDTH	HEIGHT	WINDOW	CASING	Replace (Quantities)				Remove	Restore	Restore								Replace										
											P	L	C	O	Y	SC	SL	H	HA	K	P	L	C	O	Y	SC	SL	H	
101	7'-0"	7'-6"	A																										
102	7'-0"	7'-6"	B																										
103	7'-0"	7'-6"	B																										
104	4'-0"	5'-0"	E																										
105	7'-0"	7'-6"	A1																										
106	7'-0"	7'-6"	A																										
107	7'-0"	7'-6"	A																										
108	7'-0"	7'-6"	A																										
109	3'-0"	3'-6"	E																										
110	2'-2"	2'-2"	D																										
111	2'-2"	2'-2"	D																										
112	2'-2"	2'-2"	D																										
114	7'-0"	7'-6"	C																										
116	7'-0"	7'-6"	C																										
118	2'-2"	2'-2"	D																										
119	2'-2"	2'-2"	D																										
120	2'-2"	2'-2"	D																										
121	7'-0"	7'-6"	A																										
122	4'-0"	5'-0"	E																										

GENERAL NOTES - WINDOWS

- SURVEY:**
 - AN EXIST. DETAILED WINDOW INVENTORY IS INCLUDED IN THE APPENDIX OF THE PROJECT MANUAL. COMPLETE WORK INDICATED IN WINDOW INVENTORY. DAMAGED & MISSING WOOD MEMBERS NOTED ON THE DETAILED WINDOW INVENTORY INDICATE ONLY MAJOR AREAS OF REPAIR. CONTRACTOR IS RESPONSIBLE FOR REPAIRS & REPLACEMENT OF MISSING AND DAMAGED WOOD ELEMENTS TO PRODUCE A FINISHED WINDOW ASSEMBLY.
 - WINDOW SIZES FOR EXISTING OPENING ARE APPROXIMATE; CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF OPENINGS.
- EXIST. WINDOWS:**
 - RESTORE WINDOWS 100%. WORK GENERALLY INCLUDES: REPLACEMENT OF SASHES AS INDICATED ON WINDOW SCHEDULE, REMOVAL AND REINSTALLATION OF GLAZING WITH NEW GLAZING PUTTY, REPLACEMENT OF SELECT GLAZING AS INDICATED ON WINDOW SCHEDULE AND INVENTORY; RESTORATION OF MUNTINS, FRAME, BLIND STOP, SILL, BRICK MOLD & INTERIOR STOPS; RESET INTERIOR CASINGS.
 - DOUBLE-HUNG HARDWARE: REPLACE SASH LOCKS, PULLS & LIFTS WHERE MISSING OR DETERIORATED BEYOND REPAIR; REPLACE SASH CHAINS AND WEIGHTS 100%.
 - REMOVE ABANDONED REMNANT HARDWARE.
- TEMPORARY PROTECTION:** PROVIDE TEMPORARY ENCLOSURES FOR WINDOW OPENINGS AS REQUIRED FOR SECURITY & TO ENSURE BUILDING IS WEATHERTIGHT.
- SEALANTS:**
 - REMOVE & REPLACE PERIMETER SEALANT 100%
- WINDOW TREATMENT:** REMOVE ALL NON-ORIGINAL INTERIOR WINDOW TREATMENTS. PROVIDE WINDOW FILM AT SELECT WINDOWS. PROVIDE WOOD BLINDS AT DOUBLE HUNG WINDOWS.
- WINDOW FINISH:** REFER TO GENERAL NOTES, SHEET AS.01.

- Bid ALTERNATES**
- ALTERNATE NO. 1: STORM WINDOWS**
DO NOT REINSTALL GLAZING AT WEST ELEVATION WINDOWS AND PROVIDE EXTERIOR STORM WINDOWS WITH INSULATED GLASS. STORM WINDOWS SHALL HAVE CUSTOM MULLIONS ALIGNED WITH WINDOWS BEHIND
- ALTERNATE NO. 2: REPLACE WINDOWS**
REMOVE EXISTING WINDOWS THROUGHOUT AND REPLACE WITH MAHOGANY MARVIN ULTIMATE WOOD DOUBLE HUNG MAGNUM WITH INSULATED GLAZING. MATCH ORIGINAL WINDOWS IN STYLE AND MUNTIN PATTERNING. CUSTOMIZE AS REQUIRED FOR HEIGHT OF WEST ELEVATION WINDOWS.

Note Champion Asbestos Report: Validate Base Window Restoration Recommendations!

Window Alternates- DD Cost Estimate Must Include ... !!!

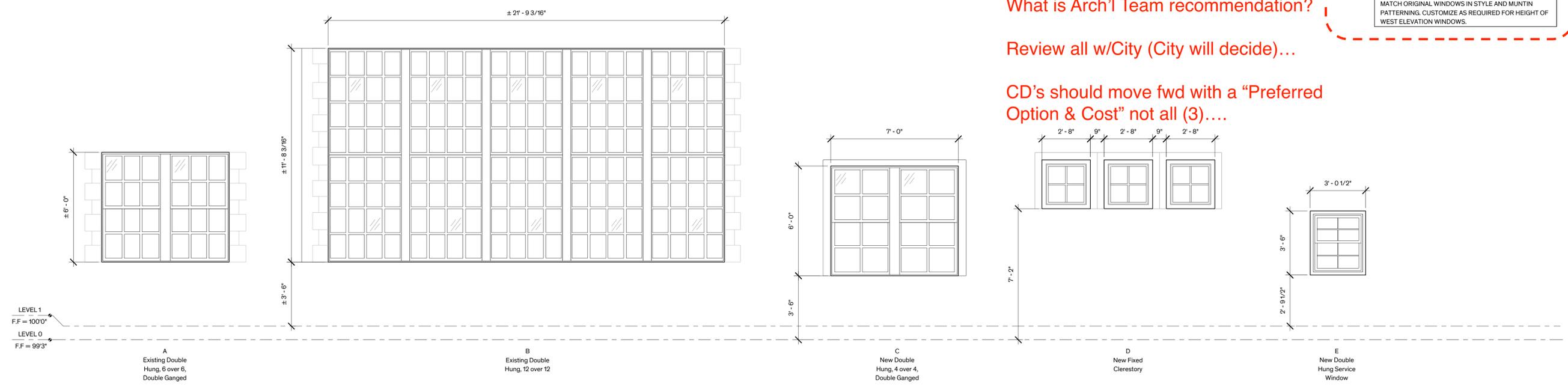
Need Building Envelope Analysis for Base Bid + Alternates...

I.E: What is the "Energy Premium" to keep & restore Existing Single Pane?

What is Arch'l Team recommendation?

Review all w/City (City will decide)...

CD's should move fwd with a "Preferred Option & Cost" not all (3)....



1 Window Types
3/8" = 1'-0"

City of Dripping Springs
STEPHENSON SCHOOL BUILDING, REHABILITATION AND ADDITION

311 Old Fitzhugh Rd.
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TIRZ PM
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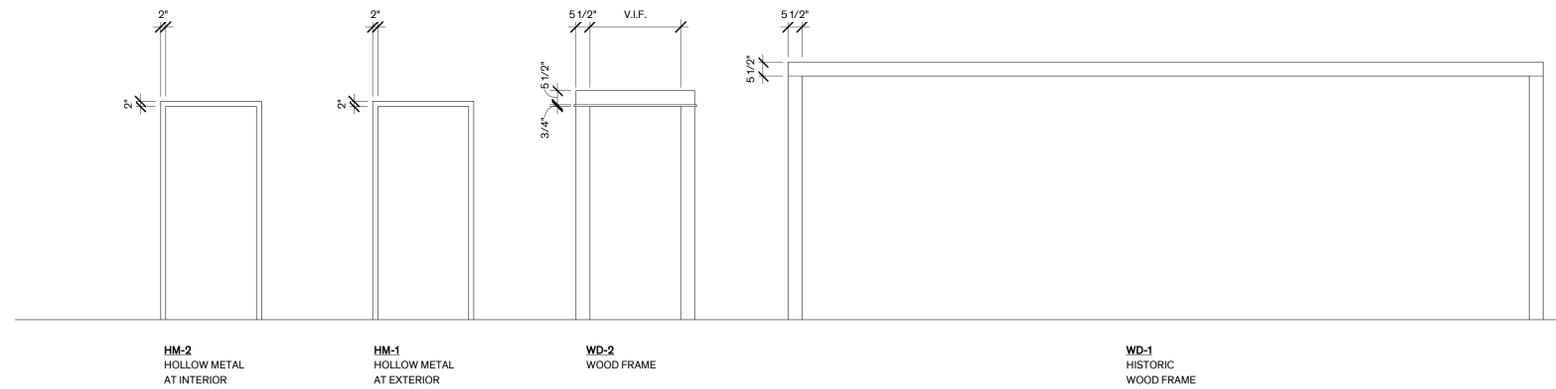
Larry Irsik
10/11/2023

Architexas No. 2314 Date October 11, 2023
Sheet Name Window Schedule & Types

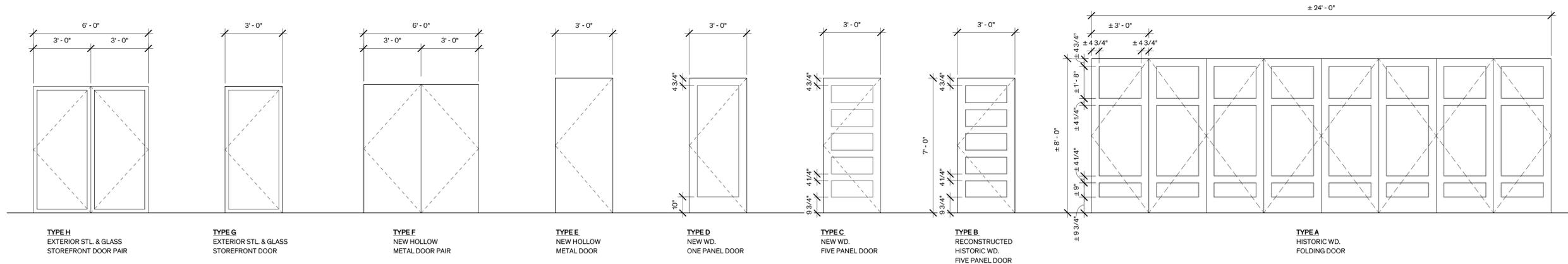
DOOR SCHEDULE											
DOOR NO.	SIZE		DOOR TYPE		FRAME TYPE	DETAIL			FIRE RATING	HARDWARE SET NO.	REMARKS
	WIDTH	HEIGHT	DOOR	GLASS	FRAME	THRESH	JAMB	HEAD			
1	6'-1"	8'-0"	H	-	STL	-	-	-	-	-	
2A	3'-0"	7'-0"	B	-	WD-2	-	-	-	-	-	
2B	3'-0"	7'-0"	E	-	HM-1	-	-	-	-	-	
3A	3'-0"	7'-0"	B	-	WD-2	-	-	-	-	-	
3B	26'-11 1/2"	8'-0"	A	-	WD-1	-	-	-	-	-	
4	3'-0"	7'-0"	C	-	WD-2	-	-	-	-	-	
5	3'-0"	7'-0"	B	-	WD-2	-	-	-	-	-	
6	6'-0"	6'-8"	F	-	WD-2	-	-	-	-	-	
7	3'-0"	7'-0"	B	-	WD-2	-	-	-	-	-	
8	3'-0"	7'-0"	B	-	WD-2	-	-	-	-	-	
9	3'-0"	7'-0"	C	-	WD-2	-	-	-	-	-	
10	3'-0"	7'-0"	C	-	WD-2	-	-	-	-	-	
11	3'-0"	7'-0"	C	-	WD-2	-	-	-	-	-	
12	3'-0"	7'-0"	C	-	WD-2	-	-	-	-	-	
13A	3'-0"	8'-0"	G	-	STL	-	-	-	-	-	
13B	3'-0"	7'-8 1/2"	G	-	STL	-	-	-	-	-	
14	3'-0"	7'-0"	D	-	WD-2	-	-	-	-	-	
15	3'-0"	7'-0"	D	-	WD-2	-	-	-	-	-	
16	3'-0"	7'-0"	D	-	WD-2	-	-	-	-	-	
17	3'-0"	7'-0"	D	-	HM-2	-	-	-	-	-	
18	3'-0"	7'-0"	E	-	HM-2	-	-	-	-	-	
19	3'-0"	7'-0"	D	-	HM-2	-	-	-	-	-	Fire Rated
20	6'-0"	8'-0"	H	-	STL	-	-	-	-	-	
21	3'-0"	7'-0"	D	-	HM-2	-	-	-	-	-	
22	3'-0"	7'-0"	D	-	HM-2	-	-	-	-	-	

GENERAL NOTES - DOORS

- SCHEDULE:
 - HISTORIC DOORS, FRAMES, CASINGS, & TRIM ARE TO BE RESTORED AND/OR REPLICATED AT HISTORIC DOOR LOCATIONS. THESE LOCATIONS ARE DENOTED BY "BOLD FACE TYPE" ON THE DOOR SCHEDULE. NON-HISTORIC DOORS, FRAMES, CASINGS, & TRIM ARE TO BE PROVIDED AT NEW WALL OPENINGS. THESE LOCATIONS ARE DENOTED BY "PLAIN TEXT" ON THE DOOR SCHEDULE.
 - REFER TO GENERAL FINISH NOTES ON SHT. A5.01 FOR FINISHES.
- SURVEY:
 - AN EXIST. DETAILED DOOR INVENTORY IS INCLUDED IN THE APPENDIX OF THE PROJECT MANUAL. COMPLETE WORK INDICATED IN DOOR INVENTORY. DAMAGED & MISSING WOOD AND METAL MEMBERS NOTED ON THE DETAILED DOOR INVENTORY INDICATE ONLY MAJOR AREAS OF REPAIR. CONTRACTOR IS RESPONSIBLE FOR REPAIRS & REPLACEMENT OF MISSING AND DAMAGED WOOD & METAL ELEMENTS TO PRODUCE A FINISHED DOOR ASSEMBLY.
 - DOOR SIZES FOR EXISTING OPENINGS ARE APPROXIMATE; CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF OPENINGS.



2 FRAME TYPES
 3/8" = 1'-0"



1 DOOR TYPES
 3/8" = 1'-0"

City of Dripping Springs
 STEPHENSON SCHOOL
 BUILDING,
 REHABILITATION AND
 ADDITION

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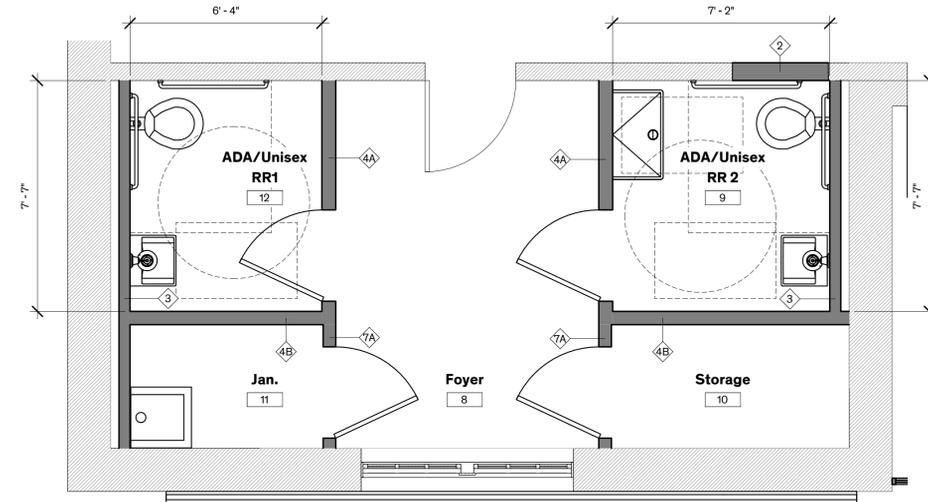
Larry Irsik

10/11/2023

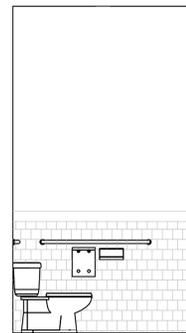
Architexas No. 2314 Date October 11, 2023

Sheet Name Door Schedule & Types

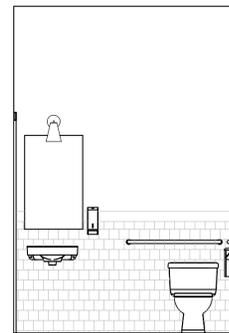
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10 HC RR 1 & 2 Enlarged Plan
3/8" = 1'-0" PLAN NORTH



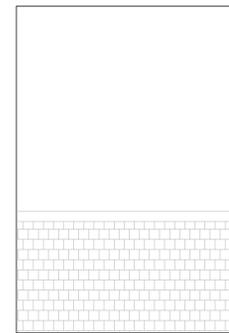
9 HC RR 3 - South
3/8" = 1'-0"



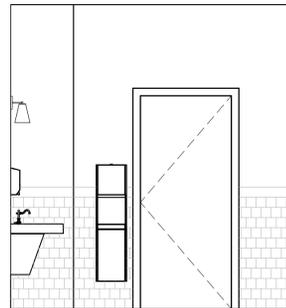
8 HC RR 3 - East
3/8" = 1'-0"



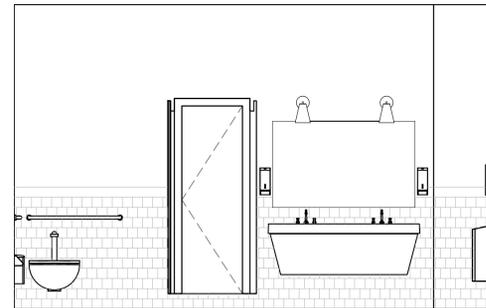
7 HC RR 3 - North
3/8" = 1'-0"



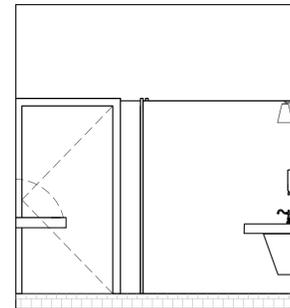
6 HC RR 3 - West
3/8" = 1'-0"



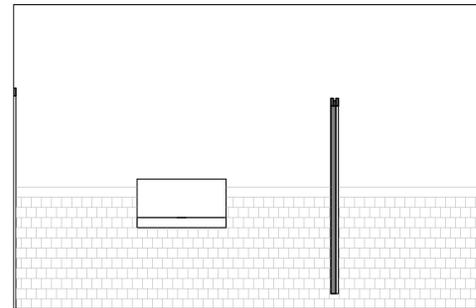
5 Women's RR - East
3/8" = 1'-0"



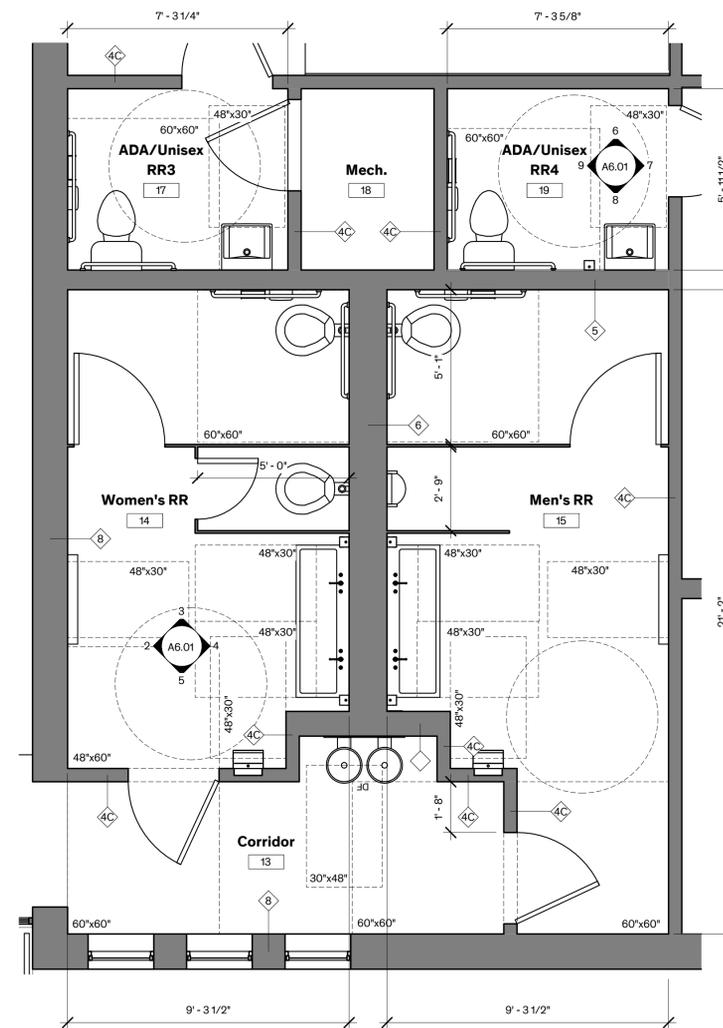
4 Women's RR - North
3/8" = 1'-0"



3 Women's RR - West
3/8" = 1'-0"



2 Women's RR - South
3/8" = 1'-0"



1 Addition Restrooms Enlarged Plan
3/8" = 1'-0" PLAN NORTH

City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
ADDITION

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Larry Irsik

10/11/2023

Architexas No.
2314 **Date**
October 11, 2023

Sheet Name
Enlarged Plans & Interior
Elevations

Sheet Number

City of Dripping Springs
 STEPHENSON SCHOOL
 BUILDING,
 REHABILITATION AND
 ADDITION

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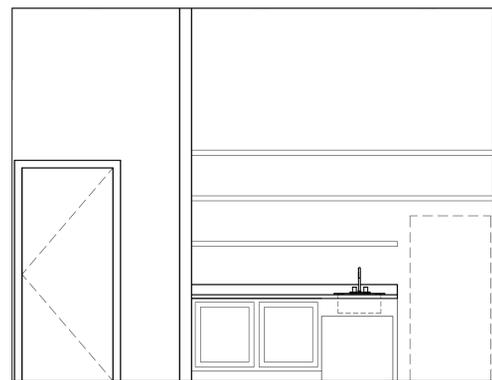
10/11/2023

Architexas No. 2314 **Date** October 11, 2023

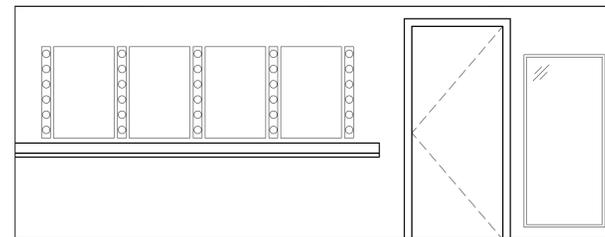
Sheet Name
 Enlarged Plans & Interior Elevations

Sheet Number

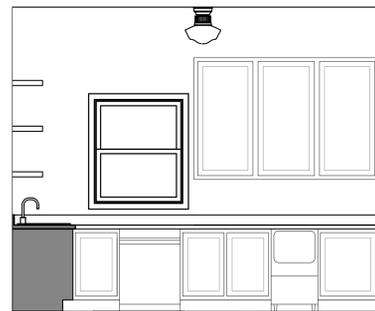
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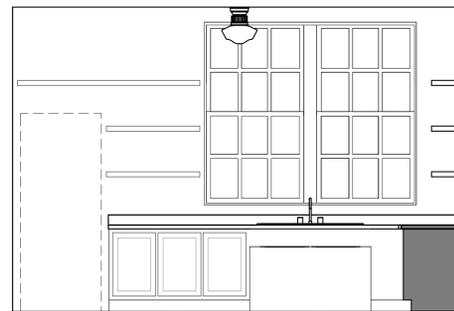
6 Entry Lobby Kitchenette
 3/8" = 1'-0"



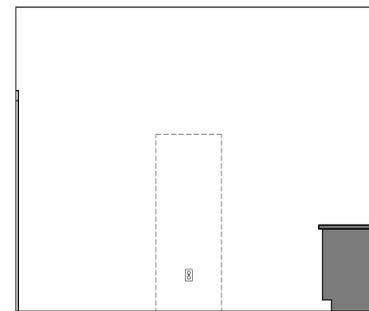
5 Dressing Room
 3/8" = 1'-0"



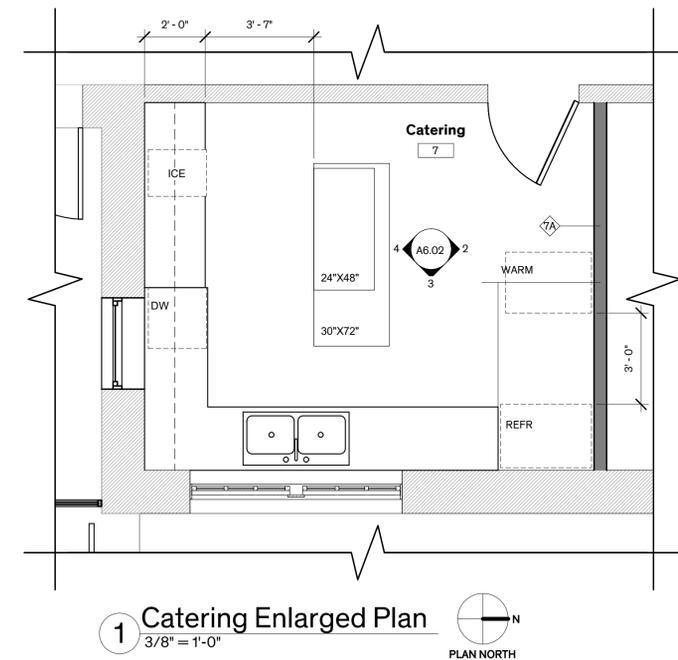
4 Catering - South
 3/8" = 1'-0"



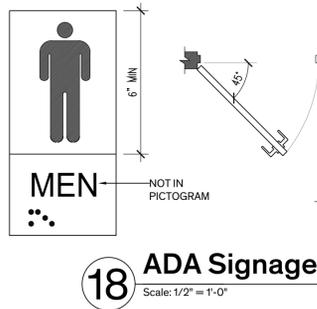
3 Catering - East
 3/8" = 1'-0"



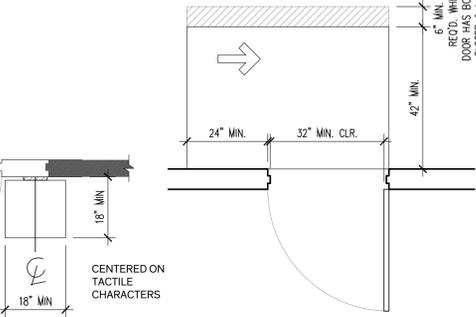
2 Catering - North
 3/8" = 1'-0"



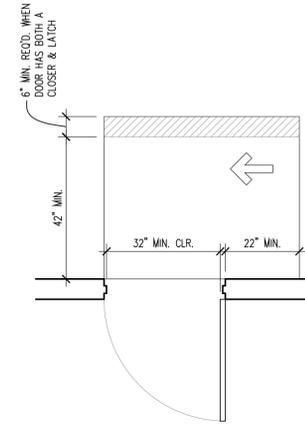
1 Catering Enlarged Plan
 3/8" = 1'-0"



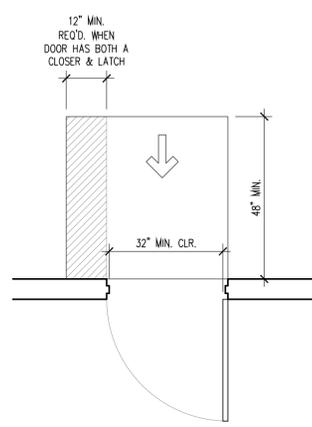
18 ADA Signage
Scale: 1/2" = 1'-0"



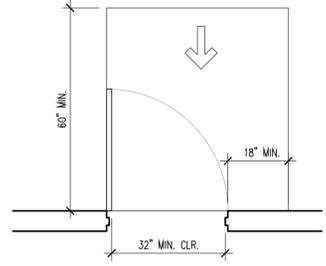
17 Min. Clearance @ Doors Latch Approach, Push Side
Scale: 1/2" = 1'-0"



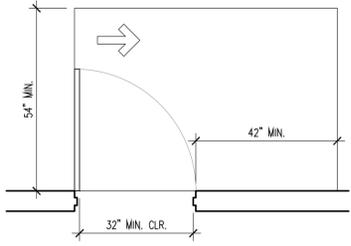
16 Min. Clearance @ Doors Hinge Approach, Push Side
Scale: 1/2" = 1'-0"



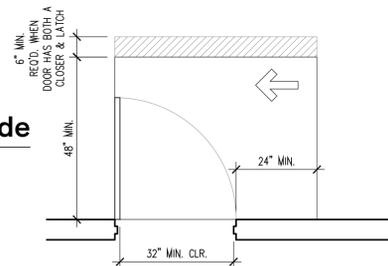
15 Min. Clearance @ Doors Front Approach, Push Side
Scale: 1/2" = 1'-0"



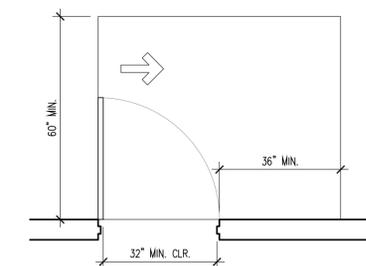
14 Min. Clearance @ Doors Front Approach, Pull Side
Scale: 1/2" = 1'-0"



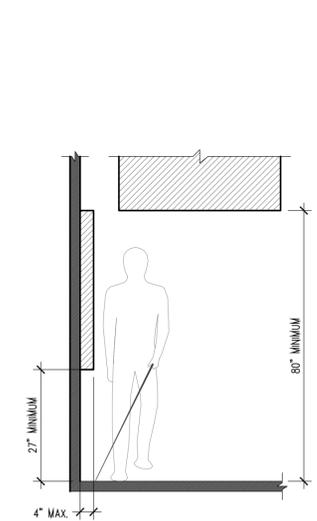
13 Min. Clearance @ Doors Hinge Approach, Pull Side
Scale: 1/2" = 1'-0"



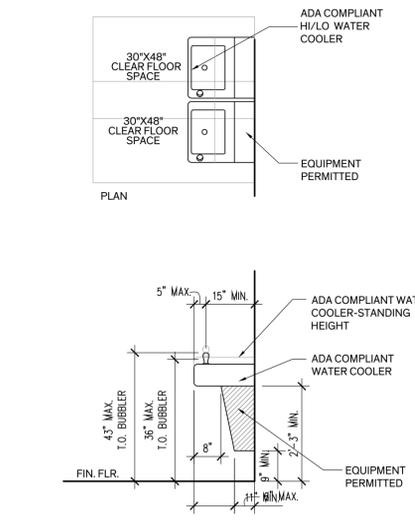
12 Min. Clearance @ Doors Latch Approach, Pull Side
Scale: 1/2" = 1'-0"



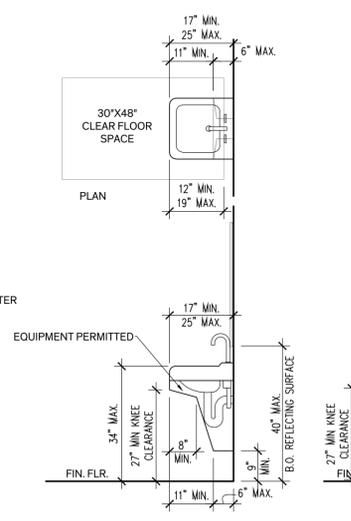
11 Min. Clearance @ Doors Hinge Approach, Pull Side
Scale: 1/2" = 1'-0"



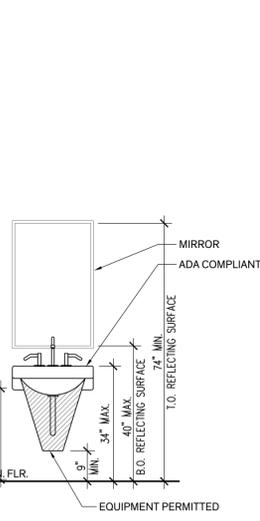
10 ADA Projection Limitations
Scale: 1/2" = 1'-0"



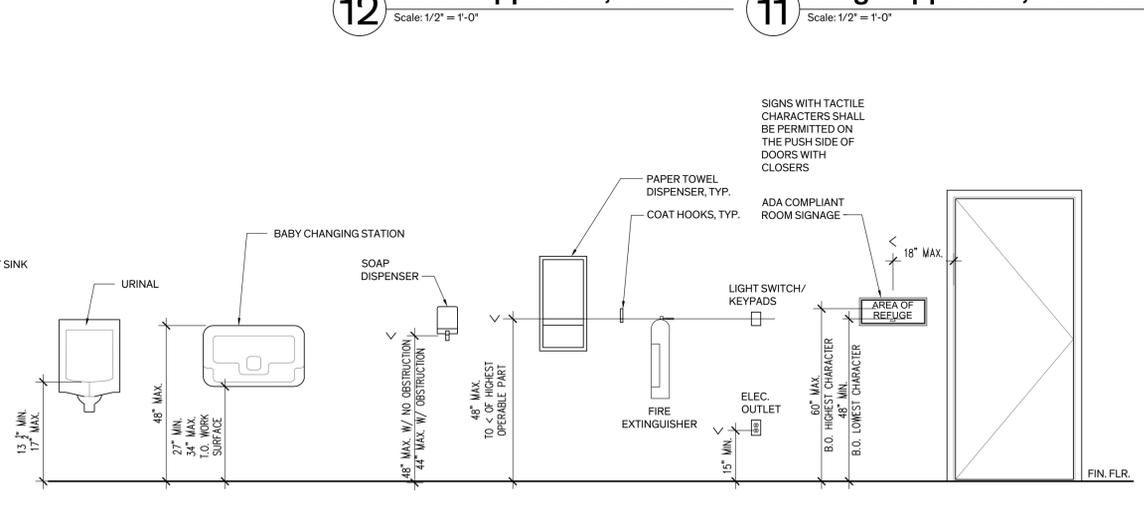
9 ADA Hi/Low Drinking Fountain Elevation
Scale: 1/2" = 1'-0"



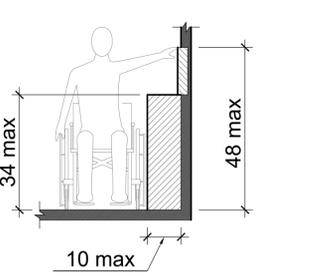
8 ADA Sink (Side Elev. and Plan)
Scale: 1/2" = 1'-0"



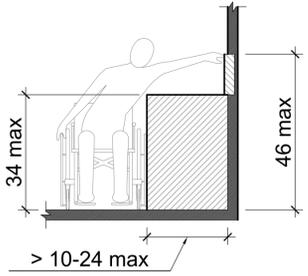
7 ADA Sink, Mirror, and Soap Dispenser
Scale: 1/2" = 1'-0"



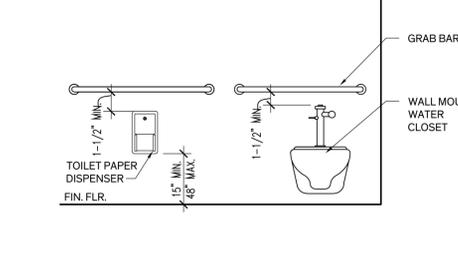
6 Typ. ADA Mounting Heights
Scale: 1/2" = 1'-0"



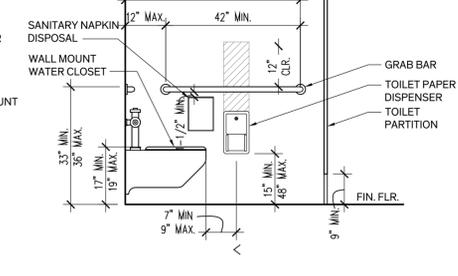
5 ADA Control Reach Limitations (Forward / Side Reach Possible)
Scale: 1/2" = 1'-0"



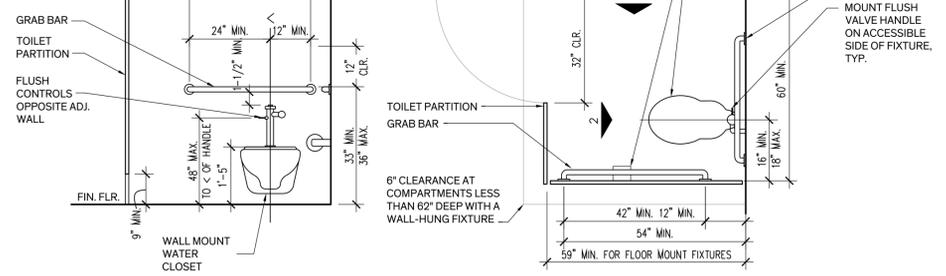
4 ADA Grab Bar Clearances
Scale: 1/2" = 1'-0"



3 ADA Stall Side Wall Elevation
Scale: 1/2" = 1'-0"



2 ADA Stall Rear Wall Elevation
Scale: 1/2" = 1'-0"



1 Typ. ADA Stall Plan
Scale: 1/2" = 1'-0"

City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
ADDITION

311 Old Fitzhugh Rd.
Dripping Springs, TX
78620

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TIRZ PM
Review Comments:
231018- KES

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This document is incomplete and may not be used for regulatory approval, permit, or construction.

Larry Isik

10/11/2023

Architexas No. 2314 Date October 11, 2023

Sheet Name ADA Diagrams

Sheet Number

COORDINATION

- Only large openings in structural framing members are shown on the structural drawings. However, all sleeves, embeds, inserts, openings and frames that are necessary for the work shall be provided. The Contractor shall coordinate with all trades sizes, locations and placement. All openings and embedded items which have an effect on the structure shall be submitted to the Engineer for review.
- Refer to Architectural, Mechanical, Electrical and Plumbing drawings for floor elevations, location of depressed or elevated floor areas, slopes and drains.
- Contractor shall coordinate the requirements for building equipment supported on or from the structure. Submittals identify all equipment including size, dimensions, clearances, accessibility, weights and reactions. Any deviations from specified equipment shall be noted on the submittals.
- Shop drawings shall be prepared for all structural items and submitted for review by the Engineer. Contract Drawings shall not be reproduced and used as shop drawings. All items deviating from the Contract Drawings or from previously submitted shop drawings shall be noted.
- The details designated as "Typical Details" apply generally to the Drawings in all areas where conditions are similar to those described in the detail.
- All dimensions and conditions of existing construction shall be verified at the job site. Differences between existing construction and the Drawings shall be referred to the Architect. Differences shall also be clouded on the shop drawings.
- The design and provision of all temporary supports required for the execution of the contract such as guys, braces, shores, reshores, falsework, supports and anchors are not included in these drawings and shall be the responsibility of the Contractor. Temporary supports shall not result in the overstress or damage to the structure.

SUBMITTALS

- Shop drawings shall be prepared for all structural items and submitted for review by the Engineer. Contract Drawings shall not be reproduced and used as shop drawings. All items deviating from the Contract Drawings or from previously submitted shop drawings shall be clouded.
- The contractor shall review shop drawings for compliance with the contract documents and shall certify that he has done so by a stamp noting that the drawings have been "Approved" and which bears the signature (or initials) of an authorized representative of the contractor and the date. Submittals which do not reflect the contractor's approval, signature and date will be returned without review.
- The contractor shall be responsible for delays caused by rejection of inadequate shop drawings.
- Where review and return of shop drawings is required or requested, the engineer will review each submittal and, where possible, return within 2 weeks of receipt.
- Corrections or comments on shop drawings or manufacturer's data sheets do not relieve the contractor from compliance with requirements of the plans and specifications. The engineer's review is for general conformance with the requirements of the contract documents. The engineer is responsible for confirming and correcting all quantities and dimensions, selecting fabrication processes and techniques of construction, and coordinating his work with that of all other contractors.
- Refer to individual sections for specific submittal requirements.

5. Wind Loads

1. Wind Lateral Load on Structural Frame is based on the following:

i) Ultimate Design Wind Speed (3-sec. gust), V_{ult}	115 mph
Nominal Design Wind Speed, V_{nom}	89 mph
ii) Risk Category	II
iii) Wind Exposure Category	C
iv) Internal Pressure Coefficient, GC_{pi}	±0.18
v) Component & Cladding Ultimate Design Pressures:	

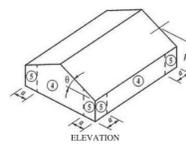
Effective Area: ≤ 10 ft ²	(Overhangs)
Zone 1	+18.8 psf; -44.1 psf
Zone 2e	+18.8 psf; -44.1 psf
Zone 2n	+18.8 psf; -70.3 psf
Zone 2r	+18.8 psf; -70.3 psf
Zone 3e	+18.8 psf; -70.3 psf
Zone 3r	+18.8 psf; -82.1 psf
Zone 4	+31.0 psf; -33.6 psf
Zone 5	+31.0 psf; -41.5 psf

Effective Area: 50 ft ²	(Overhangs)
Zone 1	+16 psf; -37.9 psf
Zone 2e	+16 psf; -37.9 psf
Zone 2n	+16 psf; -50.1 psf
Zone 2r	+16 psf; -50.1 psf
Zone 3e	+16 psf; -50.1 psf
Zone 3r	+16 psf; -52 psf
Zone 4	+27.7 psf; -30.4 psf
Zone 5	+27.7 psf; -35.0 psf

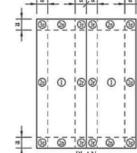
Effective Area: >100 ft ²	(Overhangs)
Zone 1	+16 psf; -33.1 psf
Zone 2e	+16 psf; -33.1 psf
Zone 2n	+16 psf; -41.2 psf
Zone 2r	+16 psf; -41.2 psf
Zone 3e	+16 psf; -41.2 psf
Zone 3r	+16 psf; -52 psf
Zone 4	+26.3 psf; -28.9 psf
Zone 5	+26.3 psf; -32.2 psf

NOTE: Wall pressures for Zones 4 & 5 are based on ASCE 7-16, Figure 30.3-1. Roof pressures for Zones 1, 2e, 2n, 2r, 3e & 3r are based on ASCE 7-16, Figure 30.3-2C. "h" = 21.52 feet; "a" = 4.5 feet

- Calculate the effective area for each component & cladding element, as defined by ASCE 7, depending on length and location. Effective area shall be the maximum of the following:
Effective Area = Length x Tributary Width (OR) Length x (Length/3)
- Interpolation of uplift pressures is allowed between effective areas. or quantity shall be reported to the Architect immediately for verification of the structural design.



Wall Zones
ASCE 7-16 Fig. 30.3-1



Roof Zones
ASCE 7-16 Fig. 30.3-2C

- Floor and roof live loads noted above have been reduced in accordance with the building code.

CONCRETE FOOTINGS

- Concrete footing design is based on an allowable net bearing capacity of 3500 psf in accordance with the geotechnical report by Geotechnical Solutions dated July 24, 2023
- Bearing stratum shown on the footing details is clayey-silt with gravel stone fragments and cobbles.
- Footings not specifically located on the plan shall be located on centerline of pilaster or column above. Where no pilaster or column occurs, locate on centerline of wall or beam.
- Provide dowels from footings into concrete above using same bar size and number as shown for pilaster or column above. Where no pilaster or column occurs, use 4-#7 dowels. Extend dowels 30 bar diameters into pier and wall, beam, pilaster or column u.n.o.
- Footing excavations shall be to neat lines and shall be free of loose or wet materials.
- Footing reinforcing and concrete shall be placed immediately after excavations are complete; in no case shall a footing be excavated that cannot be placed by the end of the workday.
- See plans and schedules for footing sizes, reinforcing and depths.
- Reinforcing steel shop drawings shall include placing drawings for templates to set dowels in footings.
- All footings shall be inspected by a representative of a qualified geotechnical laboratory in order to ensure that the proposed bearing material has been reached in accordance with the recommendations given in the geotechnical report and that the footing has been constructed to specified size, with detailed reinforcing, and to specified tolerances.

TESTING LABORATORY SERVICES

- Work specified herein shall be performed by a qualified independent Testing Laboratory, selected and paid by the Owner.
- Filling and Backfilling operation:
 - Make in place compaction tests for moisture content, moisture density relationship, and density of materials in place. Perform test once for each lift.
- Footing excavation: Inspect the excavations to determine that the proper bearing stratum is obtained and utilized for bearing and that excavations are properly clean and dry before concrete is placed.
- Concrete inspection and testing:
 - Secure composite samples of concrete at the jobsite in accordance with ASTM C172.
 - Mold and cure three specimens from each sample in accordance with ASTM C31. Test specimens in accordance with ASTM C39. Two specimens shall be tested at 28 days for acceptance and one shall be tested at seven days for information.
 - Perform one strength test (three cylinders) for each pour.
 - Make one slump test for each set of cylinders following the procedural requirements of ASTM C143 and C172.
- Concrete Reinforcement: Inspect all concrete reinforcing steel and embedded metal assemblies prior to placement of concrete for compliance with Contract Documents and shop drawings. All instances of non-compliance shall be immediately brought to the attention of the contractor for correction, and if uncorrected, reported to the engineer.
- Expansion Anchors: Provide continuous inspection of expansion bolt installation to ensure that holes are of the specified size, and that bolts are properly installed including application of minimum installation torques.
- Structural steel, steel joists, and joist girders: Field inspection of proper erection of all members, visual examination of all field welding, visual inspection of all bolts, inspection of all shop fabricated members upon arrival at the jobsite for conformance with accepted fabrication and erection drawings, verification of welder's certificates.

BUILDING PAD PREPARATION

- Structural fill material shall have a plasticity index between 7 and 22.
- Prior to placing fill material, remove all organic and other deleterious material from the existing subgrade for a distance of 3'-0" beyond building line. Existing site soil shall be removed to a depth on 15" below the existing grade and replaced with Select Fill. All exposed surfaces shall then be scarified to a depth of 6", watered as required and recompact as defined by ASTM D 698 (Standard Proctor Test).
- Structural fill shall be placed in 9 inch loose lifts, watered as required and compacted as defined in ASTM D 698.
- Compaction and moisture content of subgrade and each lift of structural fill shall be inspected and approved by a qualified engineering technician, supervised by a Geotechnical Engineer.
- Slab on grade shall be placed over min. 15" structural fill.
- Provide a 15 mil polyolefin vapor barrier. Place vapor barrier in accordance with manufacturer's recommendation on top of structural fill.
- Building pad preparation information is based on a geotechnical report provided by Geotechnical Solutions dated July 24, 2023.

SUBSTITUTIONS

- All requests for substitutions of materials or details shown in the contract documents shall be submitted for approval during the bidding period. Once bids are accepted, proposed substitutions will be considered only when they are officially submitted with an identified savings to be deducted from the contract.

CODES

- IBC 2018 International Building Code and IBC 2018 International Existing Building Code.
- Wind and Earthquake Loads: Minimum Design Loads and Associated Criteria for Buildings and Other Structures, American Society of Civil Engineers, ASCE 7-16.
- Structural Concrete: Building Code Requirements for Reinforced Concrete, American Concrete Institute, ACI 318-14.
- Structural Masonry: Building Code Requirements for Masonry Structures, reported by the Masonry Standards Joint Committee, TMS 402-16.
- Structural Steel: Steel Construction Manual, American Institute of Steel Construction, Fourteenth Edition. Specification for Structural Steel Buildings, AISC 360-16.
- Wood Framing: National Design Specification (NDS) For Wood Construction with 2015 Supplement, American Forest and Paper Association, ANSI/AWC NDS-2018, and Special Design Provisions for Wind and Seismic, ANSI/AWC SDPW5-15.
- Wood Structural Panels: Panel Design Specification, American Plywood Association, APA PDS-12, Plywood Design Specification Supplements 1-5, and DOC PS 1 or PS 2.
- Prefabricated Composite Wood Products: Products shall be proven by testing as demonstrated either by ICBO and NRB acceptance or through a test program meeting requirements of ASTM D 5055 for wood I-joists and ASTM D 5456 for Structural Composite Lumber (SCL).
- Prefabricated Metal-plate-connected Wood Trusses: National Design Standard for Metal-plate-connected Wood Truss Construction, TPI 1-2014.

BUILDING MOVEMENTS

- The building movements specified herein are anticipated to occur and shall be taken into account by the Contractor in the design, detailing, and installation of the building elements.
- Spandrel beam deflections: Provisions shall be made in the building cladding for relative floor to floor vertical deflections of L/360 under live loading.
- Lateral building drift: Provisions shall be made in building cladding and other architectural finishes for relative floor to floor lateral deflections of story height/400.

DEFERRED SUBMITTALS

- The following Deferred Submittal items are required:
 - Curtain wall systems and storefront systems
 - Wood Trusses and I-joists

DESIGN LOADS

1. Live Loads	
a. Office (not including partitions)	50 psf
b. Public areas, corridors, lobbies	100 psf
c. Mechanical Rooms	150 psf
d. Storage (minimum)	125 psf
e. Roof	20 psf
f. Restrooms	50 psf
g. Assembly areas and theaters	
Auditoriums	100 psf
Stages	100 psf
h. Partition at areas with	20psf
80 psf live load or less	

- Dead Loads include the self weight of the structural elements and the following superimposed loads:
 - Ceiling and Mechanical at roof 10 psf
 - Roofing and rigid insulation 15 psf
- Roof Snow Loads
 - Ground Snow Load, P_g 5 psf
- Earthquake Loads
 - Seismic Lateral Load on Structural Frame is based on the following:
 - Seismic Importance Factor, I 1.0
 - Risk Category II
 - Mapped Spectral Response Accelerations
 - S_s 0.051
 - S_1 0.029
 - Site Class B
 - Spectral Response Coefficients
 - S_{D1} 0.03
 - S_{D2} 0.015
 - Seismic Design Category A
 - Basic Seismic-Force-Resisting System: Light-frame (wood) walls sheathed with wood structural panels rated for shear resistance
 - Design Base Shear 9.9 kips
 - Seismic Response Coefficient, C_s 0.00461
 - Response Modification Factor, R 6.5
 - Analysis Procedure Equivalent Lateral Force Procedure

Does Stage Floor Framing need Reinforcement? Verify

"Stage" LL or "Platform?"

City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
ADDITION

TIRZ PM
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231018 KS

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Suite 330 www.aecollab.com
FIRM REG.#: F-1985
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Architexas No. 2314 Date OCTOBER 11, 2023

Sheet Name
GENERAL NOTES

Sheet Number

S1.01

CAST IN PLACE CONCRETE

- Cast in place concrete shall meet the following requirements:

Class	28 Day Strength	Aggregate Type	Size	Slump (at point of placement)	Use
A	4000 psi	NWC33	1"	5"-7"	ALL NEW CONCRETE

- Fly ash shall not be used in architecturally exposed concrete.
- Provide 5 percent plus or minus 1 1/2 percent of entrained air in concrete permanently exposed to the weather and elsewhere at the contractors option.
- Lightweight concrete shall have a maximum cured density of 120 pounds per cubic foot.
- Horizontal construction joints in concrete pours shall be permitted only where indicated on the drawings. All vertical construction joints shall be made in the center of spans in accordance with the typical details. Contractor shall submit proposed locations for construction joints not shown on drawings for review by the Architect and Structural Engineer. Additional construction joints may require additional reinforcing as specified by the Engineer which shall be provided by the contractor at no additional cost to the owner.

- Embedded conduits, pipes, and sleeves shall meet the requirements of ACI 318-19, Section 20.7 and 26.8, including the following:

- Conduits and pipes embedded within a slab, wall, or beam (other than those passing through) shall not be larger in outside dimension than 1/3 the overall thickness of the slab, wall or beam in which they are embedded.
- Conduits, pipes and sleeves shall not be spaced closer than three diameters or widths on center.

- Concrete pours shall not exceed 5000 square feet or 100 linear feet on each side without prior approval by the Architect for each pour.

- Submittal: Submit proposed mix designs in accordance with ACI 301, chapter 3.9. Each proposed mix design shall be accompanied by a record of past performance based on at least 30 consecutive strength tests, or by three laboratory trial mixtures with confirmation tests.

SLAB ON GRADE

- Slab on grade shall be poured in strips not to exceed 30'-0".
- Provide control joints or construction joints at the centerlines of all columns and at 15 feet on center maximum in both directions. Provide additional joints such that the resulting aspect ratio does not exceed 1:1.5
- Tooled, sawcut, or preformed joints shall be 1/4 the depth of the slab. Sawcut joints must be made within 12 hours after the slab has been placed.
- Metal keyway forms or bulkheads shall be removed prior to placement of adjacent pours.
- Refer to "Building Pad Preparation" section for fill requirements.

- Erection equipment that imposes any concentrated load in excess of 2,000 lbs acting over a 2'-6"x2'-6" area may not be used on the slab-on-grade. Equipment used that will exceed this loading shall be staged away from the building slab and means for doing so shall be included in base bids.

CONCRETE REINFORCING

- Reinforcing steel shall be deformed new billet steel bars in accordance with ASTM A615 Grade 60.
- Detailing of reinforcing steel shall conform to the American Concrete Institute Detailing Manual.
- All hooks and bends in reinforcing bars shall conform to ACI detailing standards unless shown otherwise.
- Provide reinforcing bars in accordance with the bar bending diagram if bar types are specified. In unscheduled beams, slabs, columns and walls detail reinforcing as follows:
 - Lap top reinforcing bars at mid span.
 - Lap bottom reinforcing bars at the supports.
 - Lap vertical bars in columns and walls only at floor lines, unless noted otherwise.
 - Refer to lap splice schedule for splice length requirement.
 - Reinforcement labeled as continuous shall be lap spliced 38 bar diameters as a minimum, unless otherwise noted.
 - Provide standard hooks in top bars at cantilever and discontinuous ends of beams, walls and slabs.
 - Provide corner bars for all horizontal bars at the inside and outside faces of intersecting beams or walls. Corner bars are not required if top, bottom, or horizontal bars are hooked.
- Welding of reinforcing steel will not be permitted.
- Heat shall not be used in the fabrication or installation of reinforcement.
- Reinforcing steel clear cover shall be as follows:

- Grade beams - 1 1/2" top, 3" bottom, 2" side (formed), 3" side (placed against earth)
- Drilled piers - 3" bottom, 3" sides
- Walls - 2"
- Columns - 1 1/2"
- Slabs above grade - 1"
- Beams above grade - 1 1/2"
- Concrete joists - 1"

- Submittal: Submit shop drawings for fabrication, bending, and placement of concrete reinforcement. Comply with ACI 315 "Details and Detailing of Concrete Reinforcement". Do not reproduce the Contract Drawings for use as shop drawings.

CONCRETE JOINT SEALANT

- Concrete joint sealant includes routing, sawcutting, surface preparation and application of waterproof concrete joint sealant. Sealant used where exposed to pedestrian or vehicle traffic shall be suited for traffic. Repair deteriorated concrete adjacent to crack or joint as required.
- Joint sealing shall be performed by workers qualified to perform the work. As a minimum, the foreman shall have not less than two years experience with structural concrete repairs.
- Joints shall be sealed with a waterproof concrete joint sealant product from one of the following manufactureres (or an equivalent product submitted to the engineer for approval):
 - Sto
 - Euclid
 - Master Builders
 - Dayton Superior
- Existing concrete shall be prepared as recommended by the manufacturer including but not limited to the following:
 - Remove any existing joint sealant from crack or joint
 - Saw cut or route if necessary to clean joint,
 - Repair damage concrete as required,
- Apply joint sealant in accordance with the manufacturers directions.
- Apply sealant within working time limits and temperatures identified by the manufacturer.

ADHESIVE DOWELS

- Adhesive dowelling system shall be one of the following products: Hilti HIT-HY 200-R, or Hilti HIT-RE 500 V3 Install dowels in accordance with the manufacturer's instructions.
- Clean out holes with compressed air after drilling holes.
- Rebar Size Hole Diameter Embedment Depth
#4 5/8" 4 1/2"
#5 3/4" 6"
- Prior to drilling holes for dowels, locate existing reinforcing steel with a Pachometer (R-Meter) or by drilling 1/4" diameter pilot holes. Relocate bolt holes as required to avoid existing reinforcement.
- Abandoned holes shall be completely filled with adhesive dowelling compound.

EXPANSION ANCHORS

- Expansion anchors shall only be used where specified on the drawings. The contractor shall obtain approval from the engineer of record prior to using the anchors for missing or misplaced cast-in-place anchors.
- Unless otherwise noted, size and depth of the expansion anchors specified in the drawings base spaced on the Hilti Fastening System products - Hilti Kwik Bolt 3 for general applications, and Kwik Bolt TZ for overhead applications.
- Substitution of expansion anchor products with similar capacities shall be submitted to the engineer of record for approval.
- Expansion anchors of the size and embedment shown on the Drawings shall be installed in accordance with the Contract Documents, the manufacturer's recommendations, and the manufacturer's current ICBO report for the anchor. If conflicts exist between these referenced documents, the most stringent requirements shall govern.
- The Contractor shall locate all existing reinforcing steel and other embedded items contained in the concrete using non-destructive methods and shall position anchor locations to avoid conflicts with existing embedded items. Anchor locations can be adjusted by a maximum of 1 1/2" from detailed locations to avoid conflicts, unless noted otherwise.
- Based on field verified locations of reinforcing steel and embedded items, the Contractor shall create templates for each anchor group. Submit template dimensions for review prior to fabrication of connection plates.
- Holes for anchors shall be drilled in a continuous operation using the bit type and size recommended by the anchor manufacturer. Holes shall be drilled perpendicular to the concrete surface and shall not be enlarged or redirected at any point along its length. All debris shall be blown out of the holes with compressed air after drilling.
- All abandoned holes shall be filled with non-shrink grout.
- Holes in connection plates shall be no more than 1/16" larger than the anchor diameter. If larger holes are required for erection purposes, Contractor shall provide 1/4" x 3" x 3" plate washers sufficiently welded to the connection plate to transfer the specified load.
- Installation of expansion anchors shall be continuously inspected by the testing agency to ensure that holes are of specified size, and that bolts are properly installed including application of minimum installation torques.

ADHESIVE ANCHORS

- Adhesive anchors shall only be used where specified on the drawings. The contractor shall obtain approval from the engineer of record prior to using the anchors for missing or misplaced cast-in-place anchors.
- Unless otherwise noted, size and depth of the adhesive anchors specified in the drawings are based on HAS rods epoxy doweled with HIT-HY 200-R or HIT-RE 500 V3, Hilti Fastening Systems.
- Substitution of adhesive anchor products with similar capacities shall be submitted to the engineer of record for approval.
- Adhesive anchors of the size and embedment shown on the Drawings shall be installed in accordance with the Contract Documents, the manufacturer's recommendations, and the manufacturer's current ICBO report for the anchor. If conflicts exist between these referenced documents, the most stringent requirements shall govern.
- The Contractor shall locate all existing reinforcing steel and other embedded items contained in the concrete using non-destructive methods and shall position anchor locations to avoid conflicts with existing embedded items. Anchor locations can be adjusted by a maximum of 1 inch from detailed locations to avoid conflicts, unless noted otherwise.
- Based on field verified locations of reinforcing steel and embedded items, the Contractor shall create templates for each anchor group. Submit template dimensions for review prior to fabrication of connection plates.
- Holes for anchors shall be drilled in a continuous operation using the bit type and size recommended by the anchor manufacturer. Holes shall be drilled perpendicular to the concrete surface and shall not be enlarged or redirected at any point along its length. All debris shall be blown out of the holes with compressed air after drilling.
- All abandoned holes shall be filled with non-shrink grout.
- Holes in connection plates shall be no more than 1/16" larger than the anchor diameter. If larger holes are required for erection purposes, Contractor shall provide 1/4" x 3" x 3" plate washers sufficiently welded to the connection plate to transfer the specified load.
- Installation of adhesive anchors shall be continuously inspected by the testing agency to ensure that holes are of specified size, and that bolts are properly installed.

STRUCTURAL STEEL

- Structural Steel shall conform to ASTM A992 or A572, grade 50 except where A36 is noted on plan, except that miscellaneous plates, angles, and channels may be A572, grade 50 or A36. Steel pipe shall conform to ASTM Specification A 501 or ASTM A 53, Type E or S, Grade B. Steel tube shall conform to ASTM Specification A 500, Grade B, F, 46 ksi or ASTM A1085.
- Anchor rods shall conform to ASTM F1554 grade 36 ksi.
- Column base plates shall be grouted with a non-shrink, high strength nonmetallic grout conforming to ASTM C827, and shall have a compressive strength at 28 days of 5000 psi. Pre-grouting of base plates will not be permitted.
- Studs shall be Nelson studs type S3L (Fu=65 ksi) or acceptable equal. Studs shall be made from cold drawn steel conforming to ASTM A108.
- Deformed bar anchors shall be Nelson D2L or KSM deformed bar anchors (or acceptable equal) and shall be made from cold drawn wire per STM A490 conforming to ASTM A108 with minimum yield strength of 70 Ksi. Anchors shall be automatically and welded with suitable welding equipment in the shop or in the field. Welding shall be in accordance with the recommendations of Nelson Stud Company or KSM Welding Company.
- Structural steel detailing, fabrication, and erection shall conform to the AISC "Specification for Steel Buildings" and the AISC "Code of Standard Practice for Steel Buildings and Bridges". Typical connection details are indicated in the drawings. The fabricator shall prepare drawings based on these details. If alternate connection designs are used, the fabricator shall have a registered professional engineer prepare the connection designs. Such connection shall bear the engineer's seal and shall be submitted with shop drawings.
- Splicing of structural steel members is prohibited without prior approval of the Engineer as to location and type of splice to be made. Any member having splice not shown and detailed on shop drawings will be rejected.
- All welds denoted as moment connection or full penetration weld shall be ultrasonically or x-ray certified by an independent testing agency.
- Contractor shall coordinate structural steel fireproofing requirements. All interior structural steel, including steel joists, scheduled or indicated to receive spray applied fireproofing shall be delivered to the project site unprimed. Steel exposed to corrosive conditions after installation shall be primed with a protective coating which does not diminish the bond between the spray applied fireproofing, and the steel substrate. Any primer, and/or coating applied to structural steel shall be approved for use in the applicable U.L. Fire Resistance Assembly used on the project. Contractor shall protect any unprimed structural steel from detrimental effects of corrosion, as required, until the steel is enclosed and protected by the new construction.
- Shop painting: Paint structural steel with one coat of manufacturer's standard red oxide primer applied at a rate to provide a uniform dry film thickness of 2.5 mils.
- Contractor must fabricate and erect steel in accordance with OSHA Safety requirements, 29 CF part 1926 Safety for Steel Erection, Final Rule.
- Submittal: Provide drawings showing details for fabrication and shop assembly of members, erection plans, and details. Include details of connections, camber, weld profiles and sizes and spacing. Shop and erection drawings shall not be made using reproductions of the contract drawings.

TIMBER FRAMING

- Unless otherwise noted, all structural framing lumber shall be clearly marked No. 2 Southern Yellow Pine or Douglas Fir-Larch, except that non-loadbearing interior walls may be stud grade Southern Yellow Pine, Douglas Fir-Larch, or Spruce-Pine-Fir.
- Studs shall be 2x6's at 16" on center, typical, unless noted otherwise.
- All wood stud walls shall be full height without intermediate plate line unless detailed otherwise.
- All load bearing walls shall have solid 2x blocking at 4'-0" o.c. maximum vertically. End nail with 2-16d nails or side toe nail with 2-16d nails.
- Provide double studs at all wall corners and on each side of all openings, unless noted or detailed otherwise.
- Floor sheathing: 3/4" APA rated tongue and groove sheathing with an Exposure 1 rating ((or)) 3/4" grade C-D tongue and groove plywood with exterior glue. Floor sheathing shall be glued to the wood support members with a wet use adhesive, in addition to being nailed to the supports with 10d ring shank nails at 6" on center at supported edges and 12" on center at intermediate supports. Stagger joints in sheathing.
- Roof sheathing: 1/2" APA rated sheathing with an exposure 1 rating ((or)) 1/2" grade C-D plywood with exterior glue. Panels shall be continuous over two or more spans with the long dimension oriented perpendicular to the framing members. Nail with 8d common nails at 6" on center at supported edges and 12" on center at intermediate supports. Stagger joints in sheathing.
- All corners of wall framing shall be braced by a 4'-0" wide x 1/2" panel of APA rated sheathing with an exposure 1 rating extending from the top plate to the sill plate. Where wall is taller than 8'-0", provide multiple panels as required to extend from sill plate to top plate. Provide 2x blocking as required to support all panel edges. Nail with 8d common nails at 6" on center at supported edges and 12" on center at intermediate supports.
- Solid 2x blocking or boardbase shall be provided at supports and cantilever ends of all wood joists, and between supports in rows not exceeding 8'-0" apart.
- All framing members framing into the side of a header shall be attached using metal joist hangers of type "LU" as manufactured by the Simpson Company or equal. The hanger shall be sized and installed in accordance with the manufacturers recommendations for the size of joist supported.
- Nailing and attachment of all framing members and sheathing shall be as specified in the Uniform Building Code Nailing Schedule (table 25Q) unless noted otherwise in the drawings. Common wire nails or spikes, or galvanized box nails shall be used for all framing unless noted otherwise.
- Place a single plate at the bottom and a double plate at the top of all stud walls. Exterior sill plates shall be bolted to the foundation with 1/2" anchor bolts with a minimum embedment of 8" spaced at 4'-0" on center. Provide a minimum of two bolts per plate segment. Sill plates in contact with concrete or masonry shall be pressure treated with a preservative.
- As an alternate, plates may be attached to concrete foundation elements with power actuated fasteners. Provide washers at least 0.08 inches thick, and 1.1 inches square or 1.425 inches in diameter at each fastener. Fasteners shall be 3" long and shall have a minimum shank diameter of 0.145 inches. Provide two fasteners located 6 and 10 inches from the end of each sill plate piece, and then at a maximum spacing of 18 inches on center maximum at exterior walls and at interior party walls. At interior non-load bearing partitions, fasteners may be spaced at 36" on center, maximum. Fasteners shall be Hilti X-DNI 72P8S36 pins or equal. Submit manufacturer's information on fastener to be used prior to start of construction.
- Provide double joists under all interior partition walls oriented parallel to the joists.
- All bolts and lag screws shall have standard washers. All anchor and expansion bolts used in wood to create connections in crawlspace areas shall be hot dip galvanized or stainless steel.
- Refer to the architectural drawings for additional wood framing members. Provide additional wood framing members shown on the architectural drawings even though they may not be shown on the structural drawings.

PREFABRICATED METAL PLATE CONNECTED

WOOD TRUSSES

- Trusses shall be designed by the Contractor in accordance with the Truss Plate Institute "National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1-02).
- Truss members shall be clamped in a mechanical or hydraulic jig with sufficient pressure to bring members into reasonable contact at all joints during application of connector plates.
- Provide adequate erection bracing in accordance with Truss Plate Institute publication HIB-91.
- Truss Manufacturer shall provide permanent bracing as required by the design of the trusses. Erection bracing may remain in place as permanent bracing where it does not interfere with the architectural finishes.
- All timber truss members shall be Southern Yellow Pine with a maximum moisture content of 19%. Chord members shall be No. 2 or better and web members shall be No. 3 or better.
- Connection plates shall be manufactured by a WTCA member plate manufacturer. Plates shall be 20 gauge minimum, ASTM A653 grade 33 steel, with a G60 galvanized coating.
- Trusses shall be designed in accordance with the following requirements:
 - Top chords shall be designed to resist the local bending induced by the floor or roof uniform load on the top chord.
 - Limit live load deflection of floor trusses to L/360. Total load deflections shall be limited to L/240.
 - Truss members and connections shall be proportioned with a maximum Load Duration Factor as follows:

Dead Load	0.9
Occupancy Live Load	1.0
Snow Load	1.15
Construction Load	1.25
Wind/Seismic Load	1.6
 - Trusses shall be designed for the superimposed dead and live loads as noted in the Structural Notes and as indicated on the drawings. Dead loads shall not be less than the following:

Roof	10 psf
------	--------
 - Trusses shall be designed for the superimposed wind loads in accordance with the specified building code and the specified basic wind speed, exposure, and importance factor. Increase member sizes or provide additional bridging as required to resist uplift forces.
- Connect roof trusses to bearing wall or beam support at each end with a type H3 framing tie as manufactured by the Simpson Company or approved equal, u.o.n.
- Refer to mechanical drawings for size and location of mechanical openings.
- Submittal: Provide shop drawings and calculations prepared and signed by a professional engineer licensed in the state of Texas. Submittal package shall include each individual truss design drawing with design loads, the truss placement diagram for the project, the truss member permanent bracing specification. Refer to IBC section 2303.4.1 for additional requirements.

TONGUE AND GROOVE DECKING

- Tongue and groove decking shall be 2x6 inches nominal solid sawn lumber. Wood shall be No. 2 or better Southern Pine.
- Pattern shall be standard vee grooved. Finish shall be smooth surface.
- Lay-up shall be random length continuous. The distance between end joints in adjacent rows shall be at least 2'-0". The distance between end joints of decking separated by only one course shall be at least 1'-0". One third of the courses in end spans shall not have end joints.
- Nailing Schedule:

	Toenailing Along Courses	Face Nailing to Supports
2" Nominal	6d@30"	2-12d
- Toenailing or "slant" nailing shall be started approximately 12" from the end of each piece. Nails shall be ring shank nails. Pre-drill holes for 30d and larger nails.
- Provide a layer of 3/8 panels of APA rated sheathing with an exposure 1 rating over the tongue and groove decking. Joints in panels shall be offset by 48". Nail 3/8" sheathing to decking with Simpson 10d x 1 1/2" "N10" nails at 6" on center at the perimeter and at 12" on center in two interior rows 16" apart

COMPOSITE WOOD MEMBERS

- Where noted on the drawings, joists shall be TJI series engineered wood joists, and beams shall be "Microllam LVL (E=1,900ksi)" or "Parallam PSL (E=2000ksi)" beams as indicated on plan and manufactured by the Trus Joist Weyerhaeuser Corporation.
- Do not notch joists or beams. Drill holes through webs of engineered wood members for mechanical, electrical or plumbing services in accordance with the recommendations of the engineered wood product manufacturer.
- Multiple wood beams up to three members thick shall be nailed together with three rows of 16d nails at 12" on center. Four or more multiple wood beams and any multiple wood beams utilizing beams thicker than 1 3/4" shall be bolted together with 1/2" diameter bolts top and bottom at supports and ends of the beam, then at 24" on center, staggered top and bottom for the full length of the beam.
- Where multiples of two 1 3/4" Microllam LVL beams are noted on the drawings, contractor may provide single 3 1/2" beams in lieu of double 1 3/4" beams.
- Provide web stiffeners where required by the manufacturer for the specified support condition.
- Connectors for double 1 3/4" beams or single 3 1/2" beams shall be Simpson "HHU410" face mounted hangers, typical, u.n.o.

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City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
ADDITION

TRIZ PM Review Comments: 231018 KS

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Architexas No. 2314	Date OCTOBER 11, 2023
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Sheet Name
GENERAL NOTES

Sheet Number

S1.02

SPECIAL INSPECTIONS

- Special Inspections shall be performed in accordance with Chapter 17 of the 2018 International Building Code (IBC) by a Special Inspector hired by the Owner to perform the Special Inspections listed below. The Special Inspector shall be qualified by an approved agency according to the City's building official to perform the special inspections for which they will be undertaking. The Contractor shall coordinate with and notify the Special Inspector of all required tests and inspections listed in the following tables. The Special Inspector shall be responsible to verify that the items detailed in the Construction Documents were built accordingly and shall prepare, sign, and furnish inspection reports to the building official and the Architect for all time spent at the site. The Inspector shall bring discrepancies to the immediate attention of the General Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the building official and to the Architect prior to the completion of that phase of the work. These special inspections are in addition to the other inspections listed in these Structural Notes or Project Specifications.
- Where structural members and assemblies are shop fabricated, the Special Inspector shall verify that the fabricator maintains detailed fabrication and quality control procedures that provide a basis for inspection control of the workmanship and the fabricator's ability to conform to the Construction Documents and Referenced Standards, unless the fabricator is registered and approved to perform such work without special inspection.

(NOTE TO ENGINEER: DELETE TABLES THAT DO NOT APPLY AND DELETE INSPECTIONS THAT ARE NOT REQUIRED.)

IBC18.SI.00

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

REQUIRED SPECIAL INSPECTIONS OF CONCRETE CONSTRUCTION (IBC Table 1705.3)				
SPECIAL INSPECTION TYPE	INSPECTION FREQUENCY		REFERENCED STANDARD ^a	IBC REFERENCE
	CONTINUOUS	PERIODIC		
1. Inspect reinforcement, including prestressing tendons, and verify placement	--	X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. Reinforcing bar welding:				
a. Verify weldability of reinforcing bars other than ASTM A706	--	X	AWS D1.4 ACI 318: 26.6.4	--
b. Inspect single-pass fillet welds, maximum 5/16"	--	X		
c. Inspect all other welds	X	--		
3. Inspect anchors cast in concrete	--	X	ACI 318: 17.8.2	--
4. Inspect anchors post-installed in hardened concrete members ^b				
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	X	X	ACI 318: 17.8.2.4	--
b. Mechanical anchors and adhesive anchors not defined in 4.a	X	X	ACI 318: 17.8.2	--
5. Verifying use of required design mix	--	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	X	--	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10
7. Inspect concrete and shotcrete placement for proper application techniques	X	--	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. Verify maintenance of specified curing temperature and techniques	--	X	ACI 318: 26.5.3-26.5.5	1908.9
9. Inspect prestressed concrete for:				
a. Application of prestressing forces	X	--	ACI 318: 26.10	--
b. Grouting of bonded prestressing tendons	X	--		
10. Inspect erection of precast concrete members	--	X	ACI 318: 26.9	--
11. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs	--	X	ACI 318: 26.11.2	--
12. Inspect formwork for shape, location and dimensions of the concrete members being formed	--	X	ACI 318: 26.11.1.2(b)	--

^a Where applicable, see Section 1705.12, Special Inspections for seismic resistance.

^b Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with 17.8.2 in ACI 318, or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.

IBC18.SI.05-Concrete

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

REQUIRED SPECIAL INSPECTIONS OF WOOD (IBC 1705.5)		
SPECIAL INSPECTION TYPE	INSPECTION FREQUENCY	
	CONTINUOUS	PERIODIC
1. Fabrication process of prefabricated wood structural elements and assemblies shall be in accordance with IBC 1704.2.5 and local amendments	--	X
2. Inspect wood structural panel sheathing construction for the following:		
a. Grade and thickness shown on approved construction documents	--	X
b. Nominal size of framing members at adjoining panel edges, per approved construction documents	--	X
c. Nail or staple diameter and length, per approved construction documents	--	X
d. Number of fastener lines and the spacing between fasteners in each line and at edge margins, per approved construction documents	--	X
3. Trusses over 60'-0", inspector shall verify the following:		
a. Temporary installation restraint/bracing per approved truss submittal	X	--
b. Permanent individual truss member restraint/bracing are installed per approved truss submittal	--	X
4. Trusses with overall heights of 60' or greater, inspector shall verify the permanent individual truss member restraint/bracing are installed per approved truss submittal	--	X

IBC18-21.SI.09-Wood

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

REQUIRED SPECIAL INSPECTIONS OF SOILS (IBC Table 1705.6)		
SPECIAL INSPECTION TYPE	INSPECTION FREQUENCY	
	CONTINUOUS	PERIODIC
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity	--	X
2. Verify excavations are extended to proper depth and have reached proper material	--	X
3. Perform classification and testing of compacted fill materials	--	X
4. During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill	X	--
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly	--	X

IBC18-21.SI.10-Soils

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

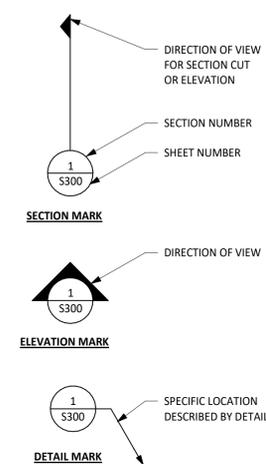
STRUCTURAL ABBREVIATIONS

ADDITIONAL _____ ADD'L	MANUFACTURE(R) _____ MFR.
ADJACENT _____ ADJ.	MASONRY _____ MAS.
AGGREGATE _____ AGGR.	MATERIAL _____ MAT'L
ALTERNATE _____ ALT.	MECHANICAL _____ MECH(L)
ANCHOR ROD _____ A.R.	METAL _____ MTL.
ARCHITECT(URAL) _____ ARCH(L)	MEZZANINE _____ MEZZ.
AIR CONDITIONER _____ A/C	MIDDLE _____ MID.
AIR HANDLING UNIT _____ AHU	MISCELLANEOUS _____ MISC.
APPROXIMATE(LY) _____ APPROX.	MOMENT _____ M.
AXIAL LOAD _____ P	MOMENT CONNECTION(S) _____ M.C.
BACK FACE _____ B.F.	NEAR FACE _____ N.F.
BEAM _____ BM.	NOMINAL _____ NOM.
BEARING _____ BRG.	NON-SHRINK _____ N.S.
BETWEEN _____ BTWN.	NORMAL WEIGHT _____ N.W.
BLOCKING _____ BLKG.	NOT IN CONTRACT _____ N.I.C.
BLOCK-OUT _____ B.O.	NOT TO SCALE _____ N.T.S.
BOTTOM _____ BOT.	
BOTTOM OF _____ B.O.	ON CENTER _____ O.C.
BOTTOM OF STEEL _____ B.O.S.	OPENING(S) _____ OPNG(S).
BRICK LEDGE _____ BR. L.	OPPOSITE _____ OPP.
BRIDGING _____ BRDG.	OPPOSITE HAND _____ O.H.
BUILDING _____ BLDG.	ORIENTED STRAND BOARD _____ OSB
BUILDING LINE _____ B.L.	OUTSIDE FACE _____ O.F.
	OUTSIDE DIAMETER _____ O.D.
CAS-IN-PLACE _____ C.I.P.	
CENTER LINE _____ C.L. OR C	PARALLEL _____ PAR.
CENTER LINE OF STEEL _____ C.L.S.	PARALLEL STRAND LUMBER _____ PSL
CENTER OF GRAVITY _____ C.G.	PARTIAL JOINT PENETRATION _____ P.J.P.
CLEAR(ANCE) _____ CLR.	PENETRATION _____ PEN.
COLUMN _____ COL.	PERPENDICULAR _____ PERP.
COMPLETE JOINT PENETRATION _____ C.J.P.	PIECE _____ PC.
COMPRESSION _____ C OR COMP.	PLATE _____ PL. OR P
CONCRETE _____ CONC.	PLYWOOD _____ PLYWOOD
CONCRETE MASONRY UNIT _____ CMU	POINT _____ PT.
CONNECTIONS _____ CONX(S).	POST-TENSION(ED) _____ P.T.
CONTINUOUS _____ CONT.	POUND(S) X1000 _____ KIP(S)
CONTRACTOR _____ CONTR.	POUNDS PER LINEAR FOOT _____ PLF
CONTROL JOINT _____ CTL. J.	POUNDS PER SQUARE FOOT _____ PSF
CONSTRUCTION _____ CONST.	POUNDS PER CUBIC FOOT _____ PCF
CONSTRUCTION JOINT _____ C.J.	POUNDS PER CUBIC YARD _____ PCY
COVER PLATE _____ COV. PL.	PRECAST CONCRETE _____ P/C
	PREFABRICATED _____ PREFAB.
DEFORMED BAR ANCHOR(S) _____ DBA(S).	PRELIMINARY _____ PRELIM.
DETAIL _____ DET.	PRESSURE _____ PRESS.
DEAD LOAD _____ D.L.	PROJECT(I)ON _____ PROJ.
DIAGONAL _____ DIAG.	
DIAMETER _____ DIA.	RADIUS _____ R
DIMENSION(S) _____ DIM(S).	REFER TO / REFERENCE _____ REF.
DIRECTION _____ DIR.	REINFORCE(ING)(ED)(MENT) _____ REINF.
DRAWING(S) _____ DWG(S).	REMAINDER _____ REM.
DOUBLE _____ DBL.	REQUIRE _____ REQ.
DOUBLE EXTRA STRONG _____ XXS	REQUIRED _____ REQ'D
DOWEL(S) _____ DWL(S).	RETURN _____ RET.
	ROOF DRAIN _____ R.D.
EACH _____ EA.	ROUGH OPENING _____ R.O.
EACH FACE _____ E.F.	ROUND _____ RND.
EACH WAY _____ E.W.	
ELECTRICAL _____ ELEC.	SCHEDULE(D) _____ SCHED.
ELEVATION _____ EL.	SECTION _____ SECT.
ELEVATOR _____ ELEV.	SHEAR FORCE _____ V
EMBEDMENT _____ EMBED.	SHEET _____ SH.
ENGINEER _____ ENGR.	SIMILAR _____ SIM.
EQUAL _____ EQ.	SPACE(S)(ING) _____ SPA
EQUIPMENT _____ EQUIP.	SPECIFICATION(S) _____ SPEC(S).
EXPANSION _____ EXP.	SPECIFIED _____ SPEC'D
EXPANSION JOINT _____ E.J.	SQUARE _____ SQ.
EXISTING _____ EXIST.	STAINLESS STEEL _____ S.S.
EXTERIOR _____ EXT.	STANDARD _____ STD.
EXTRA STRONG _____ XS	STEEL _____ STL.
	STIFFENER _____ STIFF
FACE TO FACE _____ F. TO F.	STRAIGHT _____ STR.
FABRICATE(ION)(OR) _____ FAB.	STIRRUPS _____ STR.
FAR SIDE _____ F.S.	STRUCTURE OR STRUCTURAL _____ STRUCT.
FINISH(ED) _____ FIN('D).	SUPPORT(S) _____ SUP(T)S
FINISHED FLOOR _____ F.F.	
FIREPROOF _____ F.P.	TENSION _____ T
FLANGE _____ FLG.	THICK(NESS) _____ THK.
FLOOR _____ FL.	TONGUE AND GROOVE _____ T&G
FLOOR DRAIN _____ F.D.	TOP AND BOTTOM _____ T&B
FOOTING _____ FTG.	TOP OF BEAM _____ T.O. BM.
FOUNDATION _____ FDN.	TOP OF FOOTING _____ T.O. FTG.
	TOP OF PIER _____ T.O. PIER
GALVANIZED _____ GALV.	TOP OF PIER CAP _____ T.O. P.C.
GENERAL _____ GEN.	TOP OF STEEL _____ T.O.S.
GLUE LAMINATED TIMBER _____ GLULAM	TOP OF STRUCTURAL CONCRETE _____ T.O.S.C.
GRADE _____ GR.	TOP OF WALL _____ T.O.W.
GRADE BEAM _____ GR.BM.	TREATED _____ TRTD.
	TYPICAL _____ TYP.
HOT DIP(PED) _____ H.D.	
HEADED STUD(S) _____ H.S.	UNLESS OTHERWISE NOTED _____ U.O.N.
HEADER _____ HDR.	
HEIGHT _____ HT.	VERTICAL _____ VERT.
HORIZONTAL _____ HORIZ.	VOLUME _____ VOL.
HOOK _____ HK.	
	WATER STOP _____ W.S.
INSIDE DIAMETER _____ I.D.	WELDED WIRE MESH _____ W.W.M.
INSIDE FACE _____ I.F.	WIDE FLANGE _____ W.F.
INTERIOR _____ INT.	WIND BRACE _____ WB
INTERMEDIATE _____ INTERM.	WIND LOAD _____ W.L.
	WITH _____ W/
JOINT _____ JT.	WITHOUT _____ W/O
JOIST(S) _____ JST(S).	WATER PROOFING _____ W.P.
	WORK POINT _____ W.P.
LAMINATED VENEER LUMBER _____ LVL	WOOD _____ WD.
LAMINATED STRAND LUMBER _____ LSL	
LIGHTWEIGHT _____ LW.	
LIVE LOAD _____ LL	
LONGITUDINAL _____ LONG.	
LONG LEG HORIZONTAL _____ LLH	
LONG LEG VERTICAL _____ LLV	
LONG SIDE HORIZONTAL _____ LSH	
LONG SIDE VERTICAL _____ LSV	

MATERIALS LEGEND

	EXISTING CONSTRUCTION
	CONCRETE
	STEEL IN SECTION
	PLYWOOD IN SECTION
	CMU
	BRICK OR STONE IN SECTION
	GROUT/SAND
	EARTH (UNDISTURBED)
	EARTH/FILL (COMPACTED)
	ROCK
	MECH. UNIT OR ZONE

DRAFTING SYMBOLS



PLAN/DETAIL DESIGNATION

PLAN NAME/DETAIL TITLE
SCALE:

STRUCTURAL DRAWING TYPES

- S1 . . . GENERAL NOTES & PIER PLAN
- S2 . . . PLANS/FOUNDATION CONSTRUCTION
- S3 . . . CONCRETE CONSTRUCTION
- S4 . . . MASONRY CONSTRUCTION
- S5 . . . STEEL CONSTRUCTION
- S6 . . . WOOD CONSTRUCTION

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City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
ADDITION

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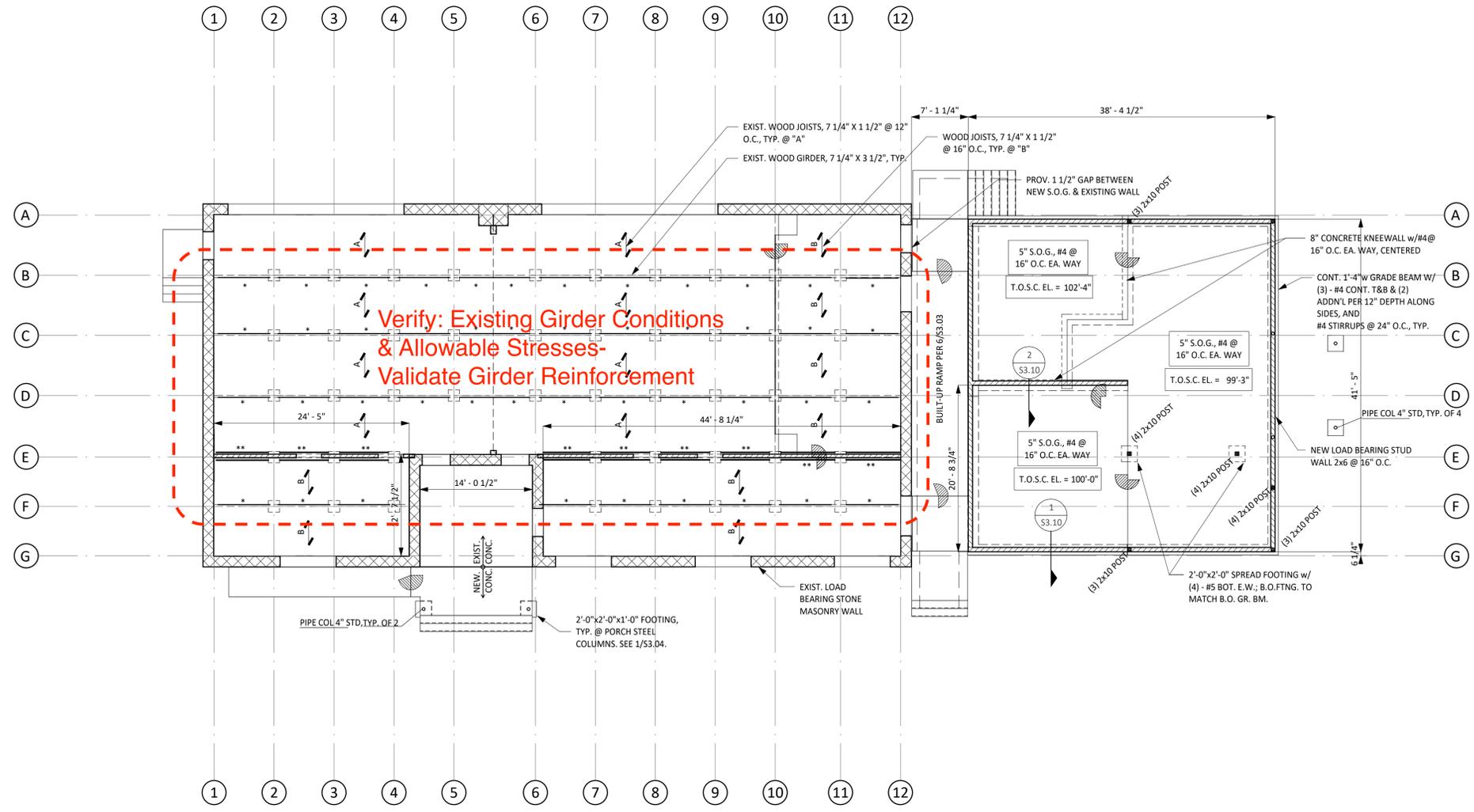
Sheet Name
SPECIAL INSPECTIONS

Sheet Number

S1.04

FRAMING PLAN LEGEND:	
	INDICATES CONCRETE COLUMN OR WALL
	INDICATES STRUCTURAL CONCRETE SLAB STEP
	INDICATES STRUCTURAL CONCRETE SLOPE CHANGE
	INDICATES STRUCTURAL CONCRETE SLOPE EXTENTS
	INDICATES STRUCTURAL SLAB OR DECK SPAN
	EXIST. OR NEW WOOD STUD WALL

FOUNDATION PLAN NOTES:	
1. TOP OF STRUCTURAL CONCRETE ELEVATION IS DENOTED AS FOLLOWS UNLESS OTHERWISE NOTED:	
	T.O.S.C. EL=XXX'-XX"
	T.O.S.C. EL=XXX'-XX"
(AREA ELEVATION) (SPOT ELEVATION)	
2. FOR FINISH FLOOR ELEVATIONS (F.F. EL.), REFER TO ARCHITECTURAL DRAWINGS. ELEVATIONS NOTED ON PLAN ARE FOR REFERENCE ONLY. REFER TO AND VERIFY ALL DIMENSIONS AND ELEVATIONS w/ ARCHITECTURAL DRAWINGS.	
3. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FLOOR RECESSES, DROPS AND SLOPES NOT DIMENSIONED ON PLAN.	
4. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATIONS AND DIMENSIONS OF PENETRATIONS NOT SHOWN OR DIMENSIONED ON PLAN.	
5. AT " ** ", REINFORCE EXISTING WOOD GIRDER PER 6/56.10.	
6. AT " * * * ", REINFORCE EXISTING WOOD GIRDER PER 5/56.10.	



1 LEVEL 1 FRAMING PLAN
SCALE: 1/8" = 1'-0"

City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
ADDITION

TIRZ PM
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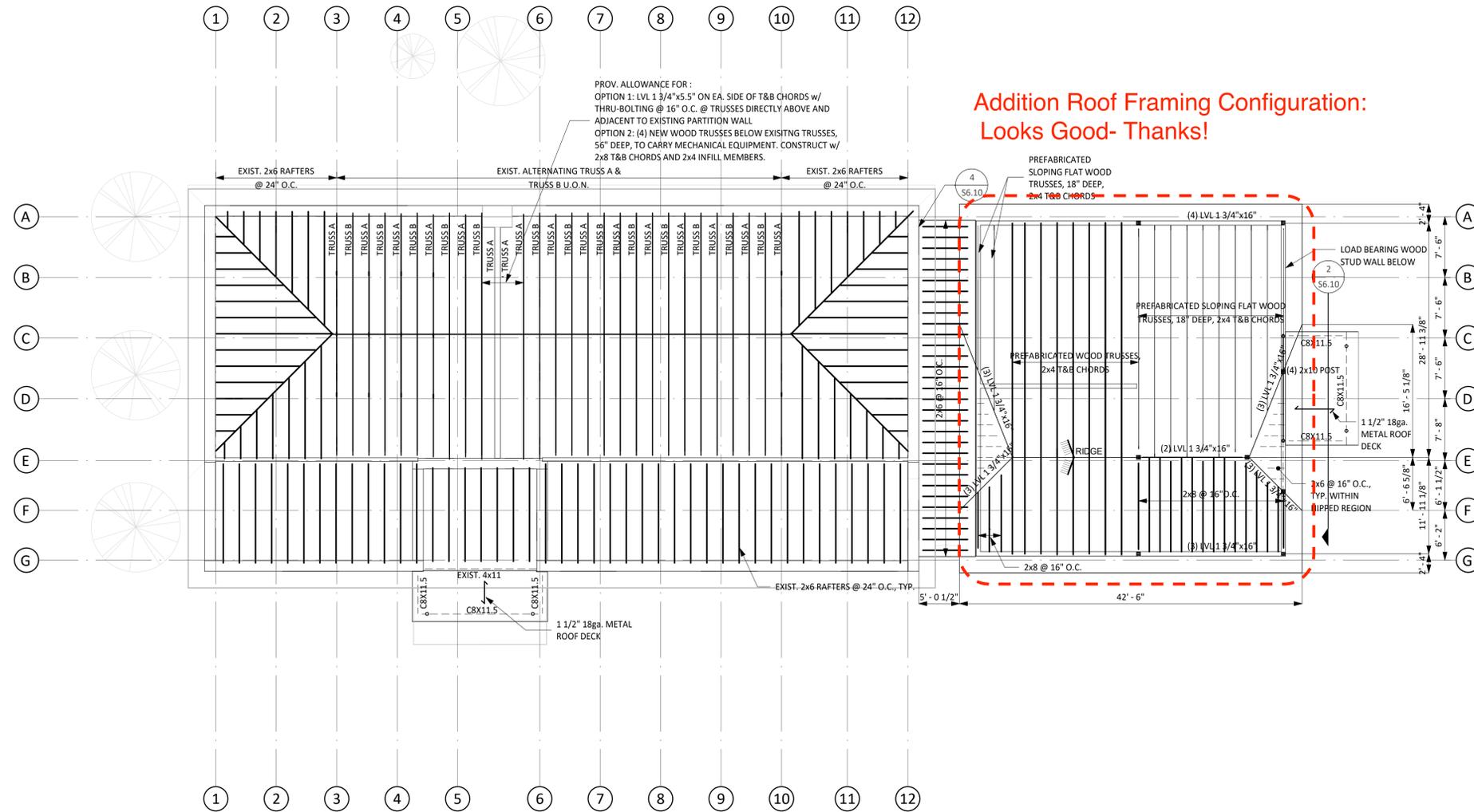
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Sheet Name LEVEL 1 FRAMING PLAN

Sheet Number

S2.01

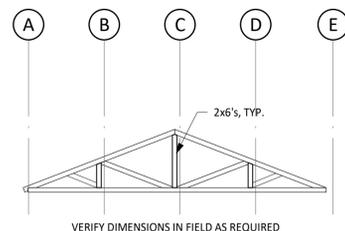
FRAMING PLAN LEGEND:	
	INDICATES CONCRETE COLUMN OR WALL
	INDICATES STRUCTURAL CONCRETE SLAB STEP
	INDICATES STRUCTURAL CONCRETE SLOPE CHANGE
	INDICATES STRUCTURAL CONCRETE SLOPE EXTENTS
	INDICATES STRUCTURAL SLAB OR DECK SPAN
	EXIST. OR NEW WOOD STUD WALL

ROOF PLAN NOTES:	
1. TOP OF STRUCTURAL STEEL ELEVATION (BOTTOM OF DECK) IS DENOTED AS FOLLOWS UNLESS OTHERWISE NOTED:	
T.O.S. EL=XXX'-XX" (AREA ELEVATION)	T.O.S. EL=XXX'-XX" (SPOT ELEVATION)
2. T.O.S.C. EL. 100'-0" = MSL EL. 472.83'	
3. FOR FINISH FLOOR ELEVATIONS (F.F. EL.), REFER TO ARCHITECTURAL DRAWINGS. ELEVATIONS NOTED ON PLAN ARE FOR REFERENCE ONLY. REFER TO AND VERIFY ALL DIMENSIONS AND ELEVATIONS w/ ARCHITECTURAL DRAWINGS.	
4. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ROOF SLOPES NOT DIMENSIONED ON PLAN.	
5. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATIONS AND DIMENSIONS OF ROOF PENETRATIONS NOT SHOWN OR DIMENSIONED ON PLAN.	
6. STEEL BEAMS ARE NOTED ON PLAN AS FOLLOWS:	
	BEAM MARK
	BEAM END REACTION (SERVICE OR FACTORED)
	CAMBER AT MID-LENGTH

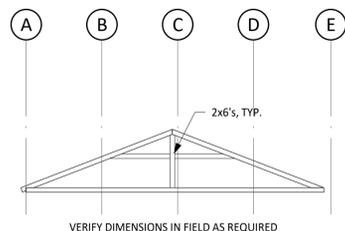


Addition Roof Framing Configuration:
Looks Good- Thanks!

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



2 EXISTING TRUSS A TYPICAL ELEVATION
SCALE: 1/8" = 1'-0"



3 EXISTING TRUSS B TYPICAL ELEVATION
SCALE: 1/8" = 1'-0"

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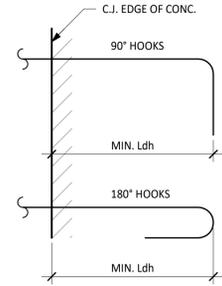
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Sheet Name
ROOF FRAMING PLAN

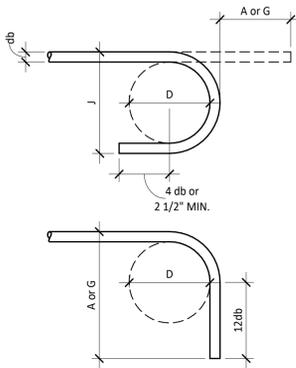
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HOOK DEVELOPMENT LENGTH SCHEDULE, Ldh						
BAR SIZE	3000 psi	4000 psi	5000 psi	6000 psi	7000 psi	8000 psi
#3	9"	8"	7"	6"	6"	6"
#4	11"	10"	9"	8"	8"	7"
#5	1'-2"	1'-0"	11"	10"	9"	9"
#6	1'-5"	1'-3"	1'-1"	1'-0"	11"	11"
#7	1'-8"	1'-5"	1'-3"	1'-2"	1'-1"	1'-0"
#8	1'-10"	1'-7"	1'-5"	1'-4"	1'-3"	1'-2"
#9	2'-1"	1'-10"	1'-8"	1'-6"	1'-5"	1'-4"
#10	2'-4"	2'-1"	1'-10"	1'-8"	1'-7"	1'-6"
#11	2'-7"	2'-3"	2'-0"	1'-10"	1'-9"	1'-7"

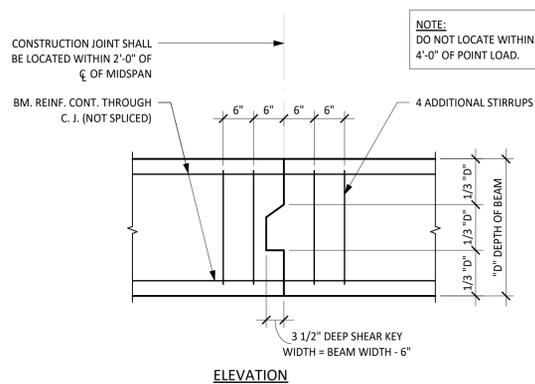
NOTES:

- TABULATED VALUES ARE BASED ON THE GRADES PER THE GENERAL NOTES REINFORCING BARS AND NORMAL WEIGHT CONCRETE.
- FOR TABULATED BARS SIZES ONLY:
 - IF CONCRETE COVER PER ACI 318-14, SECTION 25.4.3.2, TABLE 25.4.3.2, THEN A MODIFICATION FACTOR OF 0.7 MAY BE APPLIED BUT THE LENGTH MUST NOT BE LESS THAN 8 x db NOR 6 IN.
 - IF HOOK IS ENCLOSED IN TIES OR STIRRUPS PER ACI 318-14, SECTION 25.4.3.2, TABLE 25.4.3.2, THEN A MODIFICATION FACTOR OF 0.8 MAY BE APPLIED BUT THE LENGTH MUST NOT BE LESS THAN 8 x db NOR 6 IN.
- FOR EPOXY-COATED HOOKS, MULTIPLY THE TABULATED VALUES BY 1.2.
- FOR LIGHTWEIGHT CONCRETE, INCREASE THE TABULATED VALUES BY 1/3.

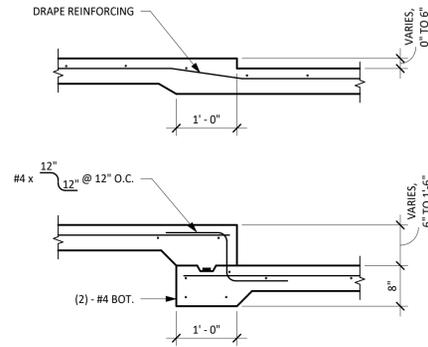


BAR SIZE	D	180° HOOK		90° HOOK
		A or G	J	A or G
#3	2 1/4"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3 3/4"	7"	5"	10"
#6	4 1/2"	8"	6"	12"
#7	5 1/4"	10"	7"	1'-2"
#8	6"	11"	8"	1'-4"
#9	9 1/2"	1'-3"	11 3/4"	1'-7"
#10	10 3/4"	1'-5"	1'-1 1/4"	1'-10"
#11	12"	1'-7"	1'-2 3/4"	2'-0"

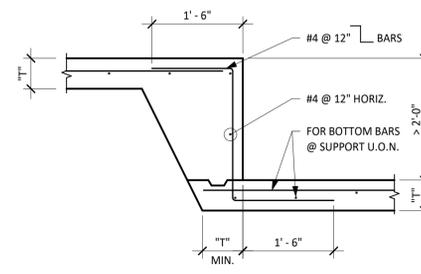
1 TYPICAL DETAIL STANDARD HOOK SCHEDULE
NO SCALE



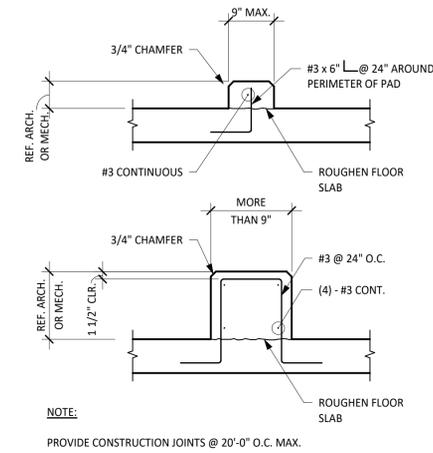
7 TYPICAL DETAIL BEAM CONSTRUCTION JOINT
NO SCALE



2 TYPICAL DETAIL DROP IN SLAB-ON-GRADE ≤ 1' - 6"
NO SCALE



3 TYPICAL DETAIL DROP IN SLAB-ON-GRADE GREATER THAN 2 FT
NO SCALE



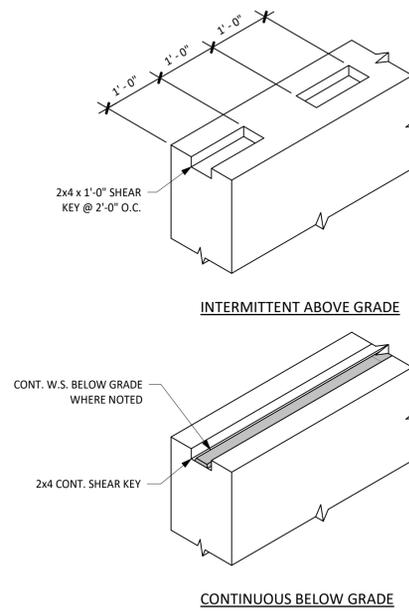
4 TYPICAL DETAIL SLAB-ON-GRADE OR STRUCTURAL SLAB MECHANICAL CURB
NO SCALE

NOTES:

- WHERE SPLICE TYPE IS NOT INDICATED, USE CLASS "B" SPLICE.
- LAP LENGTHS LISTED ABOVE APPLY UNDER THE FOLLOWING CONDITIONS:
 - BEAM & COLUMN BARS ARE SPACED AT LEAST 1 BAR DIAMETERS O.C. WITH CLEAR COVER NOT LESS THAN 1 BAR DIAMETER.
 - WALL & SLAB BARS ARE SPACED AT LEAST 2 BAR DIA. O.C.
 - FOR UNCOATED AND ZINC-COATED (GALVANIZED) REINFORCEMENT.
 - FOR REINFORCEMENT THAT CONFORMS DEFORMED NEW BILLET STEEL BARS IN ACCORDANCE TO ASTM A615 WITH GRADES PER THE GENERAL NOTES.
- WHERE CLEAR COVER OR CLEAR SPACING FOR MASONRY REINF. IS LESS THAN 5 BAR DIAMETERS, INCREASE SPLICE LENGTHS SHOWN BY MULTIPLYING LENGTHS BY MAX. RATIO OF 5 BAR DIAMETERS TO CLEAR COVER OR SPACING.
- FOR HORIZ. TOP BARS w/ 12" OF CONCRETE CAST BELOW, MULTIPLY TABULATIONS BY 1.3.
- WHERE A LARGER BAR LAPS A SMALLER BAR, THE SMALLER SCHEDULED LAP LENGTH APPLIES U.O.N.
- REFER TO "CONCRETE REINFORCING" SECTION OF THE GENERAL NOTES FOR FURTHER INFORMATION.
- FOR MASONRY REINFORCEMENT SPLICE LENGTH SCHEDULE, SEE MASONRY DETAILS.
- FOR LIGHTWEIGHT CONCRETE, INCREASE THE TABULATED VALUES BY 1/3.

REINFORCEMENT SPLICE LENGTH SCHEDULE												
CLASS BAR SIZE	f'c=3000 psi CONCRETE		f'c=4000 psi CONCRETE		f'c=5000 psi CONCRETE		f'c=6000 psi CONCRETE		f'c=7000 psi CONCRETE		f'c=8000 psi CONCRETE	
	"A"	"B"										
#3	1'-5"	1'-10"	1'-3"	1'-7"	1'-1"	1'-5"	1'-0"	1'-4"	1'-0"	1'-4"	1'-0"	1'-4"
#4	1'-10"	2'-5"	1'-7"	2'-1"	1'-5"	1'-10"	1'-4"	1'-8"	1'-3"	1'-7"	1'-2"	1'-6"
#5	2'-4"	3'-0"	2'-0"	2'-7"	1'-10"	2'-4"	1'-8"	2'-1"	1'-6"	2'-0"	1'-5"	1'-10"
#6	2'-9"	3'-7"	2'-5"	3'-1"	2'-2"	2'-9"	2'-0"	2'-7"	1'-10"	2'-4"	1'-8"	2'-2"
#7	4'-1"	5'-3"	3'-6"	4'-6"	3'-1"	4'-1"	2'-10"	3'-8"	2'-8"	3'-5"	2'-6"	3'-2"
#8	4'-7"	6'-0"	4'-0"	5'-2"	3'-7"	4'-7"	3'-3"	4'-3"	3'-0"	3'-11"	2'-10"	3'-8"
#9	5'-2"	6'-10"	4'-6"	5'-10"	4'-0"	5'-3"	3'-8"	4'-9"	3'-5"	4'-5"	3'-2"	4'-1"
#10	5'-10"	7'-7"	5'-1"	6'-7"	4'-6"	5'-10"	4'-1"	5'-4"	3'-10"	4'-11"	3'-7"	4'-8"
#11	6'-6"	8'-5"	5'-7"	7'-3"	5'-0"	6'-6"	4'-7"	5'-11"	4'-3"	5'-6"	4'-0"	5'-2"

6 TYPICAL DETAIL LAP SPLICE SCHEDULE
NO SCALE



5 GRADE BEAM SHEAR KEY AT HORIZONTAL JOINT
SCALE: 3/4" = 1'-0"

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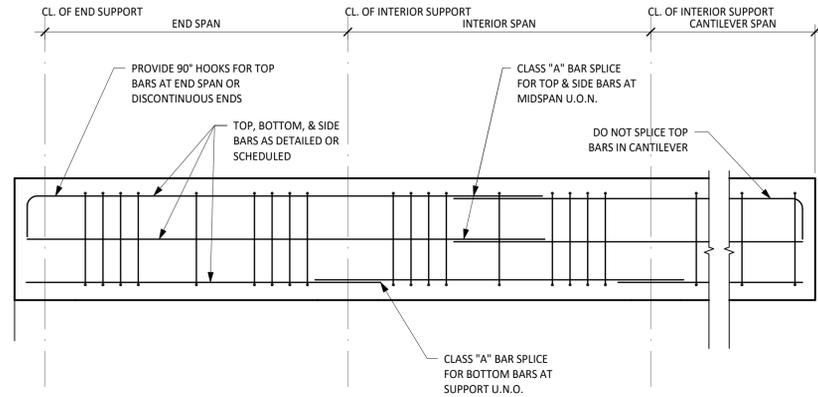
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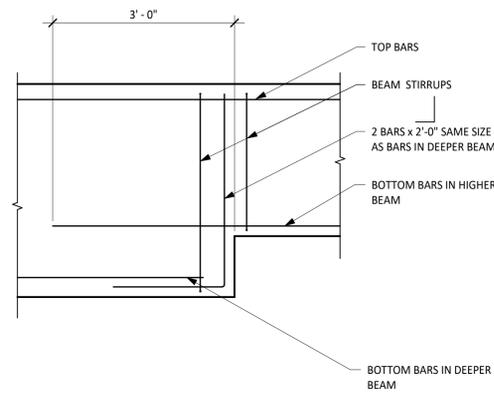
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Sheet Name
CONCRETE TYPICAL DETAILS

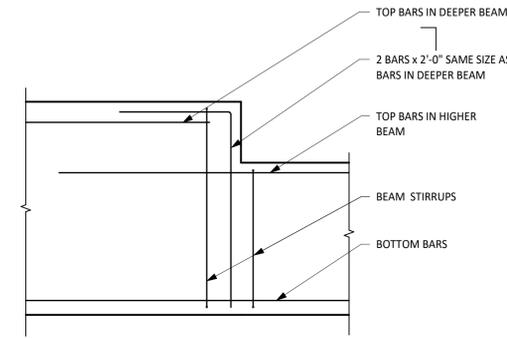
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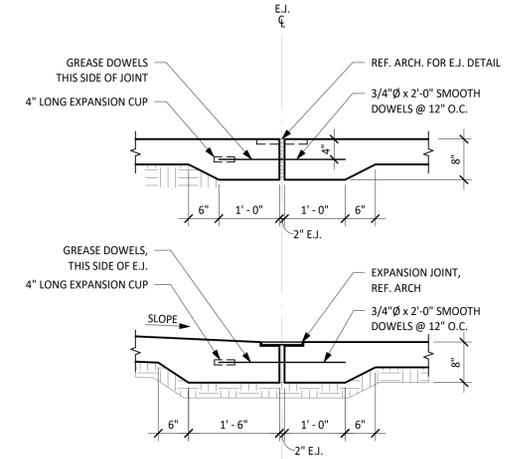
1 TYPICAL DETAIL
GRADE BEAM REINFORCING
NO SCALE



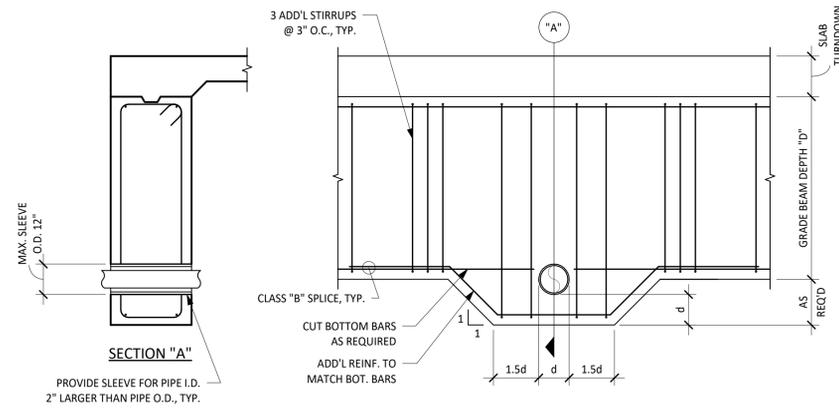
2 TYPICAL DETAIL
STEP IN BOTTOM GRADE BEAM
NO SCALE



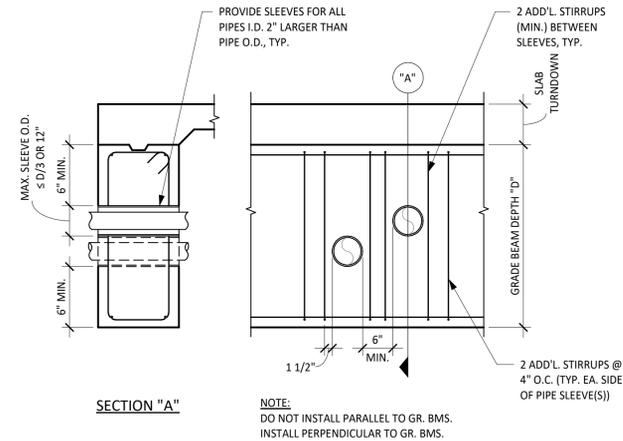
3 TYPICAL DETAIL
STEP IN TOP GRADE BEAM
SCALE: 3/4" = 1'-0"



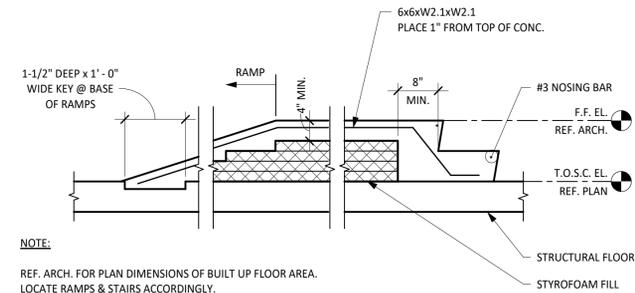
4 TYPICAL DETAIL
EXPANSION JOINT
NO SCALE



5 TYPICAL DETAIL
HORIZONTAL PENETRATIONS THROUGH BOTTOM OF GRADE BEAM
NO SCALE

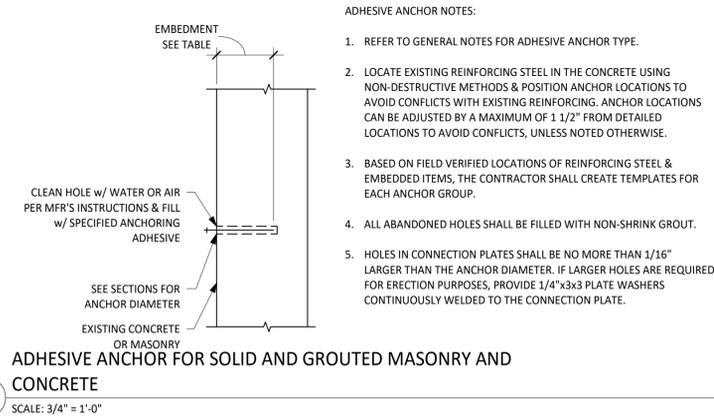


6 TYPICAL DETAIL
HORIZONTAL PIPE PENETRATIONS THROUGH GRADE BEAM
NO SCALE



7 TYPICAL DETAIL
BUILT-UP FLOOR CONSTRUCTION
SCALE: 3/4" = 1'-0"

5 TYPICAL DETAIL
HORIZONTAL PENETRATIONS THROUGH BOTTOM OF GRADE BEAM
NO SCALE



8 TYPICAL DETAIL
ADHESIVE ANCHOR FOR SOLID AND GROUTED MASONRY AND CONCRETE
SCALE: 3/4" = 1'-0"

City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
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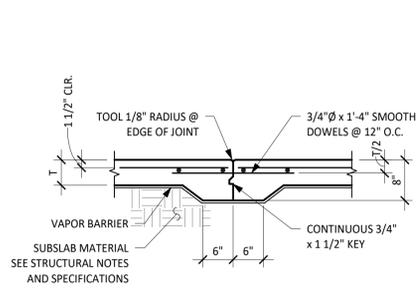
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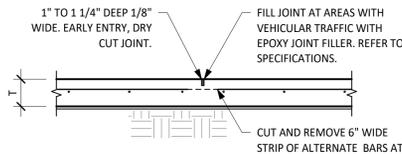
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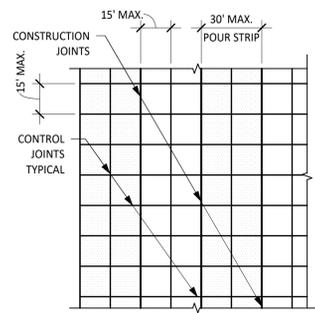
S3.02



CONSTRUCTION JOINT



CONTROL JOINT

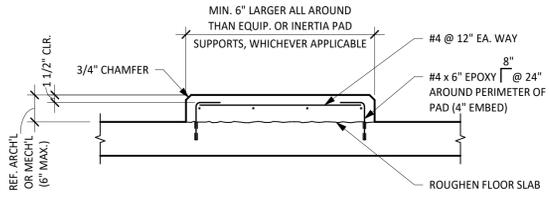


POUR STRIP LAYOUT

NOTES:

1. SEE PLAN FOR THICKNESS OF SLAB (T) AND REINFORCING.
2. PROVIDE A CONSTRUCTION OR A CONTROL JOINT ON THE CENTERLINES OF COLUMNS, U.O.N.
3. SLABS SHALL BE POURED IN A STRIP PATTERN AND CUT IN A JOINT PATTERN w/ WIDTHS NOT EXCEEDING THOSE SHOWN, U.O.N. CONTRACTOR SHALL SUBMIT JOINT PATTERNS FOR REVIEW.
4. IF METAL FORMS ARE USED, REMOVE THEM BEFORE POURING ADJACENT SLAB.
5. FOR SLABS WITH THICKNESS (T) GREATER THAN 6", THICKENED EDGES ARE NOT REQUIRED AT JOINTS.
6. INFILL STRIPS CAN BE PLACED AFTER INITIAL SLAB STRIPS HAVE CURED FOR 3 DAYS.

1 TYPICAL DETAIL
SLAB-ON-GRADE
NO SCALE

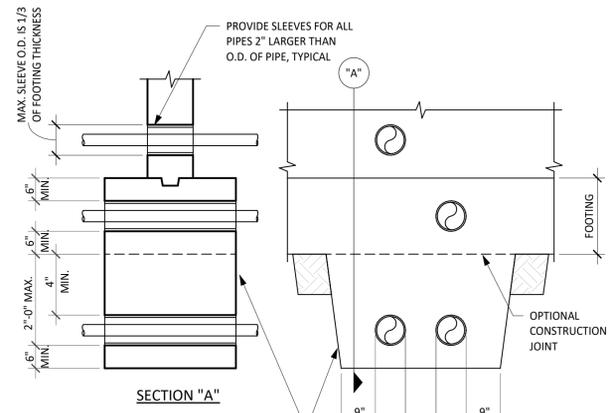


EQUIPMENT PAD

NOTES:

1. PADS PER DETAIL TO BE PROVIDED UNDER EQUIPMENT SUPPORTED ON SLAB-ON-GRADE OR ELEVATED SLABS.
2. COORDINATE MECHANICAL PAD SIZE, LOCATION AND EMBEDDED ITEMS WITH MEP DRAWINGS AND EQUIPMENT MANUFACTURER.

2 TYPICAL DETAIL
MECHANICAL PAD
NO SCALE



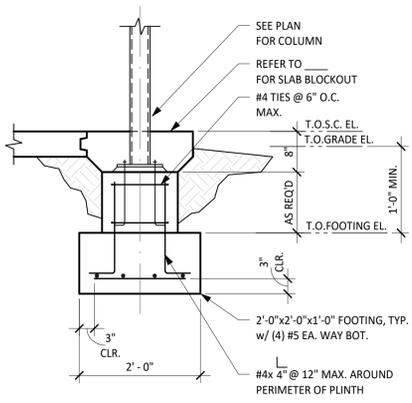
SECTION "A"

FOR PIPES BELOW FOOTINGS EXCAVATE AS SHOWN AND FILL WITH CONCRETE BEFORE POURING FOOTING

NO LESS THAN O.D. OF LARGER SLEEVE OR 6" MIN.

- NOTES:**
1. DO NOT PASS PIPES THROUGH ISOLATED FOOTINGS.
 2. WHERE PIPES ARE MORE THAN 2'-0" BELOW FOOTING.
 3. BACKFILL WITH SOIL AS SPECIFIED.

3 PIPES AND TRENCHES AT FOOTING
SCALE: 3/4" = 1'-0"



4 ISOLATED EXTERIOR STEEL PORCH COLUMN FOOTING
SCALE: 3/4" = 1'-0"

City of Dripping Springs
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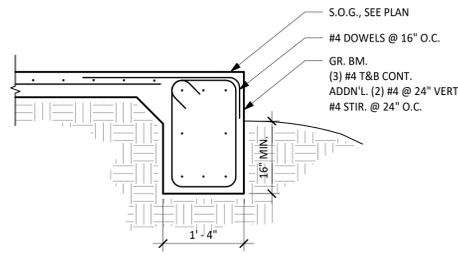
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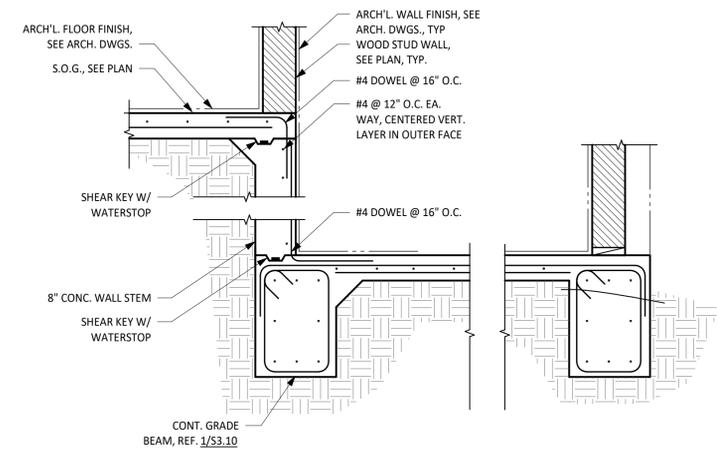
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CONCRETE TYPICAL DETAILS

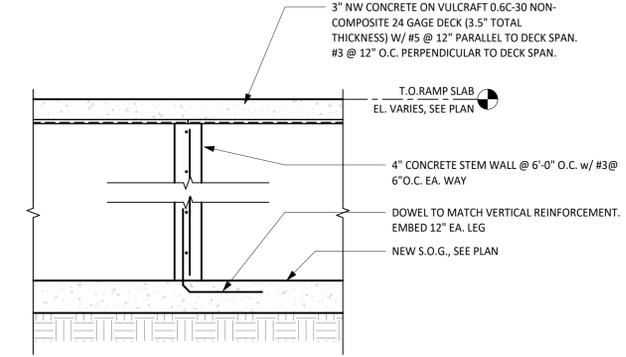
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1 NEW CONCRETE GRADE BEAM
 SCALE: 3/4" = 1'-0"



2 STEP IN NEW SLAB ON GRADE GREATER THAN 1'-0" ELEVATION DIFFERENCE
 SCALE: 3/4" = 1'-0"



3 TYPICAL BUILT UP CONCRETE RAMP DETAIL
 SCALE: 1" = 1'-0"

City of Dripping Springs
 STEPHENSON SCHOOL
 BUILDING,
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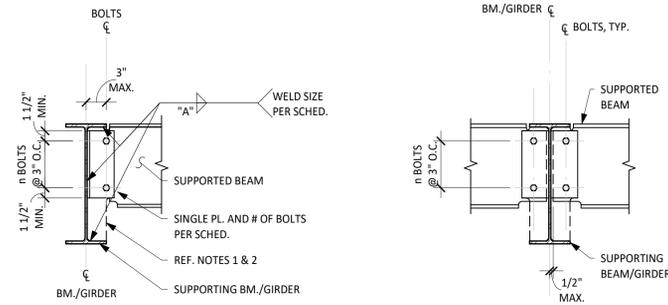
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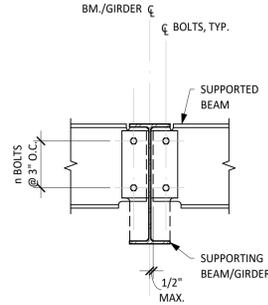
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Architexas No. 2314 Date OCTOBER 11, 2023
 Sheet Name CONCRETE DETAILS
 Sheet Number



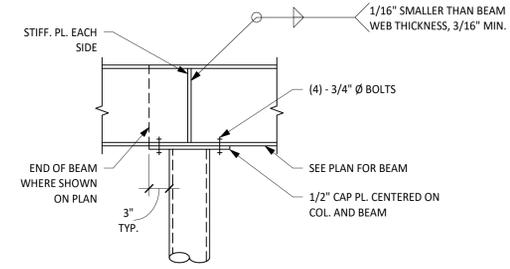
NOTE:
IF SUPPORTED BEAM IS LESS THAN 1/2 OF BOLTS TO CONNECTION AT GIRDER, EXTEND TAB PLATE TO BOTTOM FLANGE AT PERIMETER CONDITION.



NOTE:
REF. DETAIL "A" FOR INFO NOT SHOWN

STANDARD SINGLE PLATE CONNECTION					
BEAM SIZE	NO. OF ROWS OF BOLTS(n)	BOLT DIAMETER	PLATE THICKNESS	WELD SIZE A	MAX. BEAM REACTION (KIPS)
W8	2	3/4"	1/4"	1/4"	12
W10	2				16
W12	3				24
W14	3		5/16"		30
W16	4				40
W18	5				50
W21	6	7/8"	3/8"		73
W24	7				85
W27	8				97
W30	8				97
W33	8				97
W36	10		1/2"	5/16"	140
W40	10				140
W44	10				140

- NOTES:**
- ALL OTHER CONNECTIONS DEVIATING FROM TYPICAL CONNECTIONS SHALL BE DESIGNED AND DETAILED BY A PROFESSIONAL ENGINEER WORKING UNDER THE GUIDANCE OF THE CONTRACTOR. REF. GENERAL NOTES UNDER "STRUCTURAL STEEL CONNECTIONS."
 - NOTED REACTIONS ARE FOR SERVICE LOADS.
 - BOLTS ARE A325N WITH STANDARD HOLES.
 - SCHEDULED SHEAR PLATE CONNECTIONS APPLY TO RIGHT ANGLE CONNECTIONS AND SKEWED CONNECTIONS UP TO 30° FROM RIGHT ANGLE.
 - BEAM CONNECTIONS ARE "STANDARD" UNLESS OTHERWISE NOTED ON PLAN.
 - WORKLINES ARE ON CENTERLINES OF BEAMS AND COLUMNS, U.O.N.
 - WELD CAPACITY BASED ON Exx = 70 KSI.
 - CONTRACTOR RESPONSIBLE FOR MEETING ALL O.S.H.A. REQUIREMENTS.



- NOTES:**
- SEE ROOF PLAN FOR ROOF SLOPE. SLOPE CAP PLATES ACCORDINGLY.
 - STIFFENER PLATES SHALL BE EQUAL IN THICKNESS TO THE COLUMN WALL THICKNESS OR BEAM WEB THICKNESS, WHICHEVER IS GREATER.
 - CONNECT INTERSECTING BEAMS TO STIFFENER PLATES USING BOLTS IN SINGLE SHEAR DESIGNED FOR ECCENTRIC BEAM REACTION.

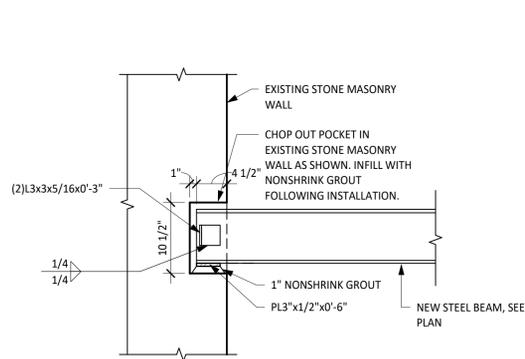
A ONE-SIDED CONNECTION - BEAMS TO GIRDER

B TWO-SIDED CONNECTION - BEAMS TO GIRDER

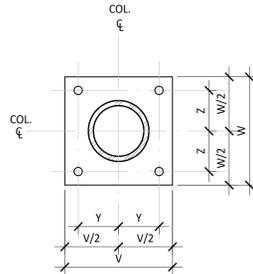
C SINGLE PLATE CONNECTION SCHEDULE

1 SCHEMATIC SINGLE-PLATE FRAMING CONNECTIONS
SCALE: 1" = 1'-0"

2 CAP PLATE - BOLTED CONNECTION (PIPE)
SCALE: 1" = 1'-0"

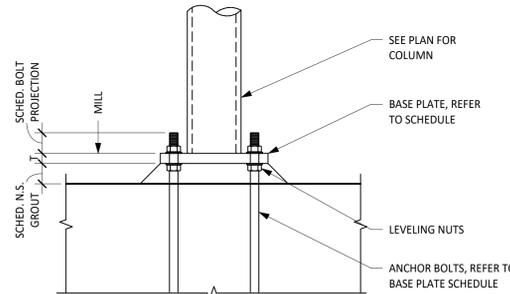


3 NEW STEEL BEAM TO EXISTING STONE MASONRY WALL CONNECTION
SCALE: 1" = 1'-0"



- NOTES:**
- WELD TO BE 1/16" SMALLER THAN THICKNESS OF TUBE.
 - SEE DETAIL _____ FOR BASE PLATE ELEVATION.

4 BASE PLATE - 4 BOLTS (PIPE)
SCALE: 1" = 1'-0"



5 COLUMN BASE PLATE (PIPE) SCHEDULE
SCALE: 1" = 1'-0"

ROD PROJECTION AND GROUT THICKNESS SCHEDULE		
ANCHOR BOLT DIAMETER	ROD PROJECTION	GROUT THICKNESS
1" OR LESS		1 1/2"
1 1/8" TO 1 1/2"		2"
1 3/4" TO 2"		2 1/2"
2 1/4" TO 2 1/2"		3"

MASONRY LOOSE LINTEL SCHEDULE	
OPENING	LINTEL SIZE
UP TO 5'-0"	L4x3 1/2x1/2 LLV

- NOTE:**
- LINTEL ANGLES SHALL BE HOT DIP GALVANIZED.
 - PROVIDE 3/8" GAP IN MORTAR AT ENDS OF ANGLE. FORM GAP WITH BACKER ROD.
 - PROVIDE 8" BEARING AT EACH END OF LINTEL ANGLE.

6 SCHEDULE - MASONRY LOOSE LINTEL
SCALE: 3/4" = 1'-0"

City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
ADDITION

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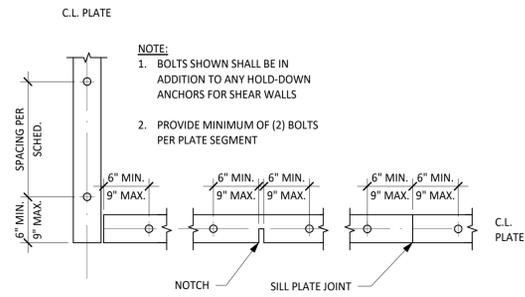
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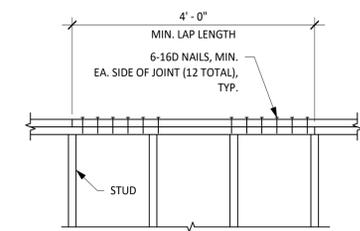
Sheet Name
STEEL TYPICAL DETAILS

Sheet Number



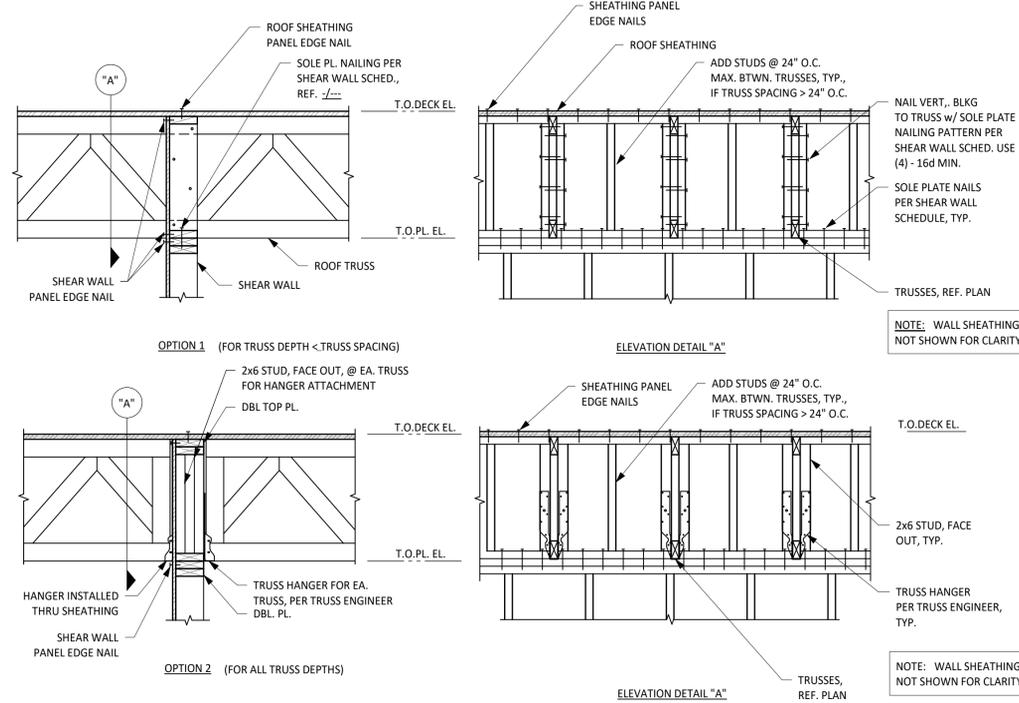
1 TYPICAL DETAIL SILL PLATE BOLT LAYOUT

NO SCALE



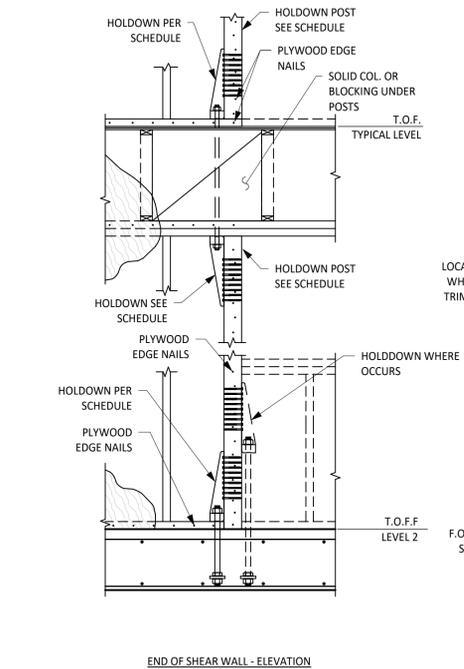
2 TYPICAL DETAIL DOUBLE TOP PLATE SPLICE NAILING

NO SCALE



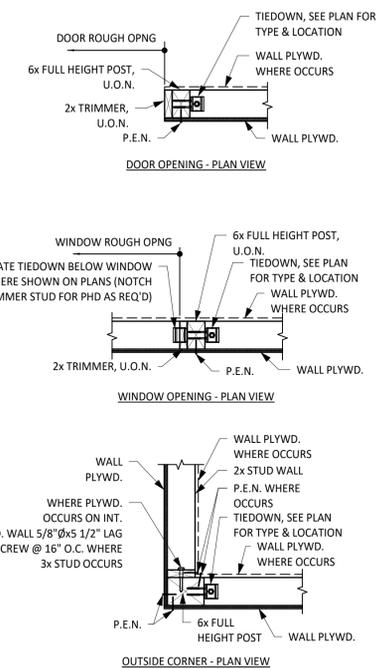
3 TYPICAL DETAIL INTERIOR SHEAR WALL CONNECTION AT ROOF

NO SCALE



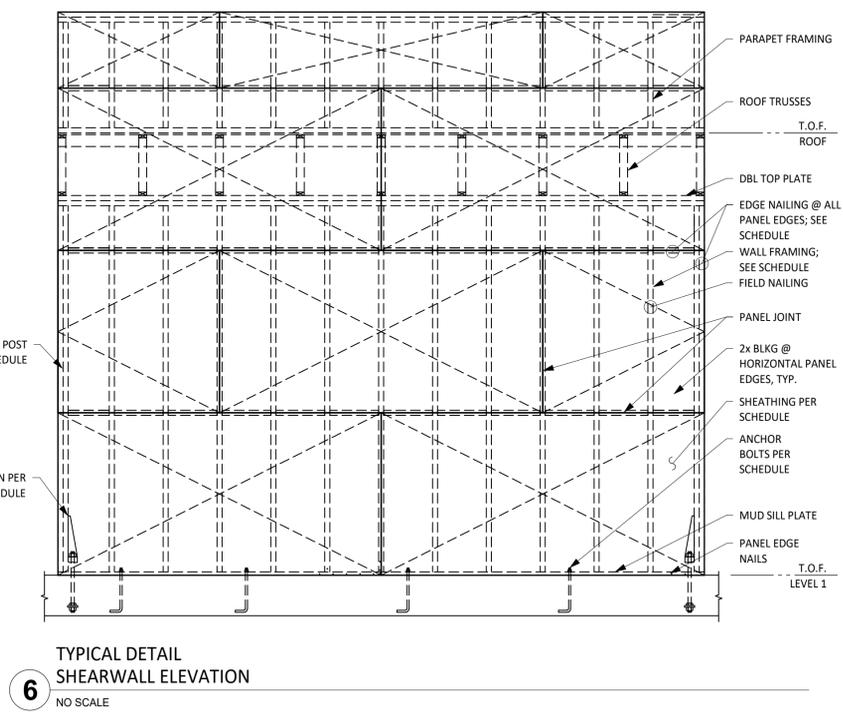
4 TYPICAL DETAIL SHEAR WALL HOLDDOWN SCHEDULE

NO SCALE



MARK	HOLDOWN TYPE	HOLDOWN ANCHOR BOLT	POST	CAPACITY (LBS)
T1	HDU2-SDS2.5	5/8" Ø THRD. ROD W/ 3"x3"x1/4" PL WASHER	FOR 2x4 WALL, 3x4 FOR 2x6 WALL, 3x6	3075
T2	HDU4-SDS2.5	5/8" Ø THRD. ROD W/ 3"x3"x1/4" PL WASHER	FOR 2x4 WALL, 4x4 FOR 2x6 WALL, 3x6	4565
T3	HDU5-SDS2.5	7/8" Ø THRD. ROD W/ 3"x3"x1/4" PL WASHER	FOR 2x4 WALL, 4x6 FOR 2x6 WALL, 4x6	5645
T4	HDU8-SDS2.5	7/8" Ø THRD. ROD W/ 3 1/2"x3 1/2"x1/4" PL WASHER	FOR 2x4 WALL, 4x6 FOR 2x6 WALL, 4x6	6970
T5	HDU11-SDS2.5	7/8" Ø THRD. ROD W/ 3"x3"x1/4" PL WASHER	FOR 2x4 WALL, 4x6 FOR 2x6 WALL, 6x6	9535

NOTE: SCHEDULED HOLDOWNS ARE PRE-DEFLECTED STEEL HOLDDOWN ANCHORS BY "SIMPSON STRONG-TIE."



6 TYPICAL DETAIL SHEAR WALL ELEVATION

NO SCALE

City of Dripping Springs
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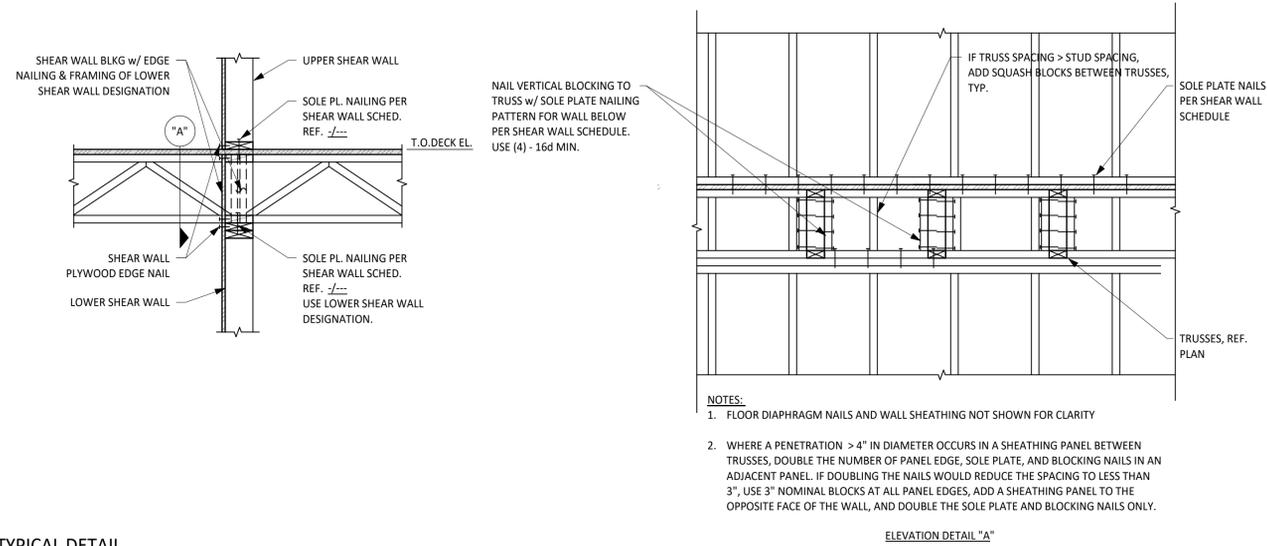
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Sheet Name
WOOD TYPICAL DETAILS

Sheet Number



1 TYPICAL DETAIL
 INTERIOR SHEAR WALL AT FLOOR TRUSSES

NO SCALE

City of Dripping Springs
 STEPHENSON SCHOOL
 BUILDING,
 REHABILITATION AND
 ADDITION

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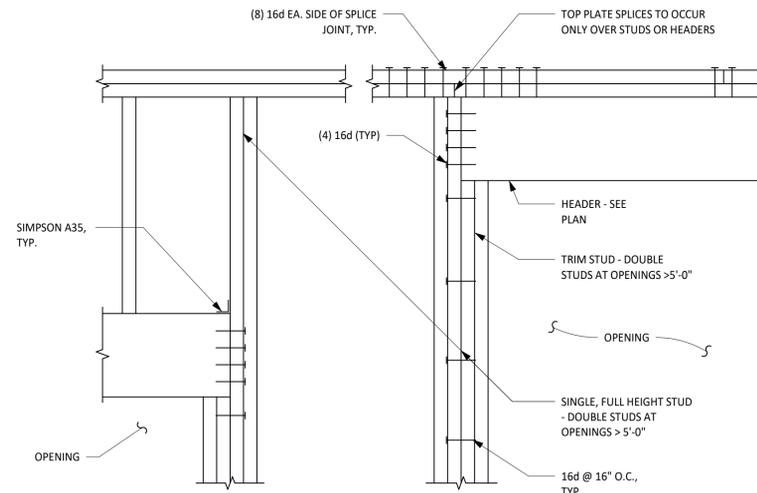
NAILING SCHEDULE	
CONNECTION	NAILING
1. FLOOR JOIST TO BAND JOIST, FACE NAIL	3-16d
2. FLOOR JOIST TO SILL PLATE OR GIRDER, TOE NAIL	3-8d
3. BRIDGING TO JOISTS, TOE NAIL OR END NAIL EACH END	2-8d
4. SILL PLATE TO BAND JOIST OR BLOCKING, FACE NAIL	16d AT 16" O.C.
5. TOP PLATE TO STUD, END NAIL	2-16d
6. STUD TO SILL PLATE	4-8d TOE NAIL OR 2-16d EACH END
7. DOUBLE STUDS, FACE NAIL	16d AT 24" O.C. MAX.
8. DOUBLE TOP PLATES, FACE NAIL	16d AT 16" O.C.
9. TOP PLATES AND INTERSECTIONS, FACE NAIL	2-16d OR 3-10d
10. TOP PLATES AND LAPS, FACE NAIL	8-16d
11. CONTINUOUS HEADER-TWO PIECES	16d AT 16" O.C. ALONG EACH EDGE
12. CEILING JOISTS TO PLATE, TOE NAIL	3-8d
13. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3-16d
14. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-16d
15. RAFTER TO PLATE, TOE NAIL	3-8d
16. 3/4" LET-IN BRACE TO EACH STUD AND PLATES, FACE NAIL	2-8d
17. BUILT-UP CORNER STUDS	16d AT 24" O.C.
18. BUILT-UP GIRDER AND BEAMS, THREE MEMBERS	20d AT 32" O.C. AT TOP AND BOTTOM (STAGGERED) 2-20d AT ENDS

- NOTES:**
1. PROVIDE NAILING CONNECTIONS INDICATED IN SCHEDULE UNLESS DETAILED OR NOTED OTHERWISE.

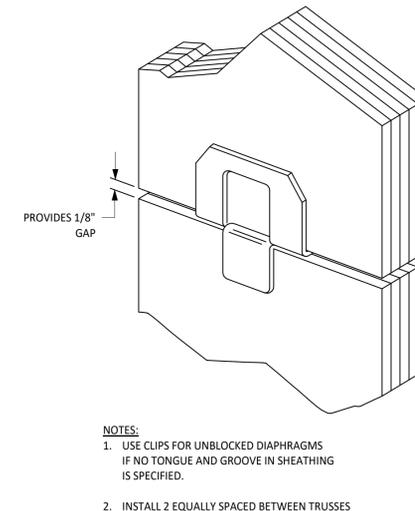
1 TYPICAL WOOD DETAIL
NAILING SCHEDULE
NO SCALE

WOOD CONSTRUCTION CONNECTOR NOTES:

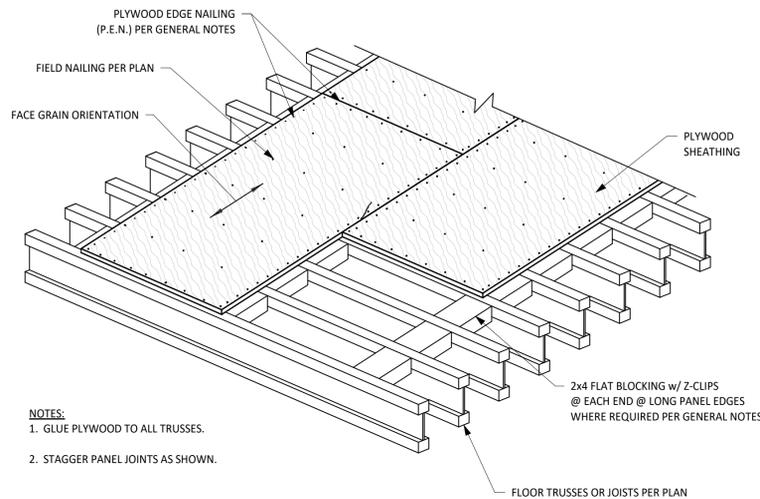
1. ALL WOOD CONSTRUCTION CONNECTORS SHOWN ARE SIMPSON STRONG-TIE CONNECTORS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. (OR APPROVED EQUIVALENT). BEFORE SUBSTITUTING ANOTHER BRAND, CONFIRM LOAD CAPACITY BASED ON RELIABLE PUBLISHED TESTING DATA OR CALCULATIONS AND SUBMIT TO ARCHITECTURAL ENGINEERS COLLABORATIVE.
2. ALL SPECIFIED FASTENERS SHALL BE INSTALLED ACCORDING TO THE DETAILS AND THE MANUFACTURER'S INSTRUCTIONS. ALL HOLES IN CONNECTORS SHALL BE PROPERLY NAILED TO THE WOOD STRUCTURE. CONTACT ARCHITECTURAL ENGINEERS COLLABORATIVE FOR FASTENERS NOT SHOWN. INCORRECT FASTENER QUANTITY, SIZE, TYPE, MATERIAL, OR FINISH MAY CAUSE THE CONNECTION TO FAIL.
3. BOLT HOLES SHALL BE A MINIMUM OF 1/32" AND A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER.
4. INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION.
5. USE PROPER SAFETY EQUIPMENT.
6. WELDING GALVANIZED STEEL MAY PRODUCE HARMFUL FUMES; FOLLOW PROPER WELDING PROCEDURES AND SAFETY PRECAUTIONS. WELDING SHOULD BE IN ACCORDANCE WITH AWS STANDARDS.
7. PNEUMATIC OR POWDER-ACTUATED FASTENERS MAY DEFLECT AND INJURE THE OPERATOR OR OTHERS. NAIL GUNS MAY BE USED TO INSTALL CONNECTORS, PROVIDED THE CORRECT QUANTITY AND TYPE OF NAILS ARE PROPERLY INSTALLED IN THE NAIL HOLES. GUNS WITH NAIL HOLE-LOCATING MECHANISMS SHOULD BE USED. FOLLOW THE MANUFACTURER'S INSTRUCTIONS AND USE THE APPROPRIATE SAFETY EQUIPMENT.
8. UNLESS OTHERWISE NOTED, BOLTS AND NAILS SHALL NOT BE COMBINED. SIMILARLY, WELDS SHALL NOT BE COMBINED WITH BOLTS OR NAILS.
9. 8d, 10d, 12d, 16d AND 20d SPECIFY COMMON NAILS AND MAY NOT BE REPLACED WITH BOX OR SINKER NAILS UNLESS OTHERWISE SPECIFIED.
10. BOLTS SHALL BE ASTM A307, GRADE A OR BETTER.
11. UNLESS OTHERWISE NOTED, BENDING STEEL IN THE FIELD MAY CAUSE FRACTURES AT THE BEND LINE. FRACTURED STEEL WILL NOT CARRY LOAD AND MUST BE REPLACED.
12. A FASTENER THAT SPLITS THE WOOD WILL NOT SUPPORT THE DESIGN LOAD. IF THE WOOD HAS A TENDENCY TO SPLIT, PRE-BORE HOLES TO 3/4 OF THE NAIL DIAMETER PER THE NDS.



3 TYPICAL WOOD DETAIL
WALL FRAMING AT OPENING
NO SCALE

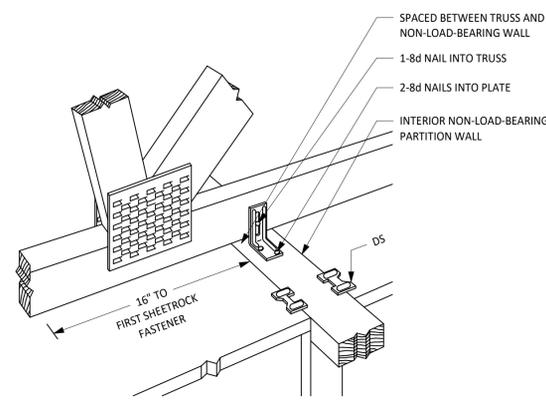


4 TYPICAL WOOD DETAIL
SIMPSON STRONG-TIE PSCL
NO SCALE



- NOTES:**
1. GLUE PLYWOOD TO ALL TRUSSES.
 2. STAGGER PANEL JOINTS AS SHOWN.

5 TYPICAL WOOD DETAIL
FLOOR DIAPHRAGM NAILING WITH BLOCKING
NO SCALE



6 TYPICAL WOOD DETAIL
SIMPSON STRONG-TIE STCT AT INTERIOR NON-LOAD-BEARING WALLS
NO SCALE

City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
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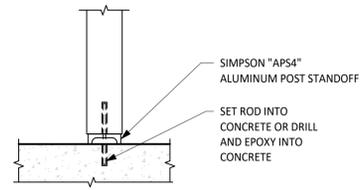
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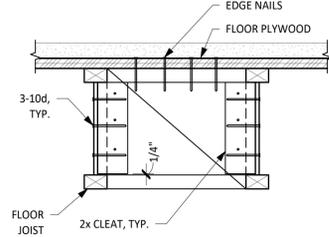
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WOOD TYPICAL DETAILS

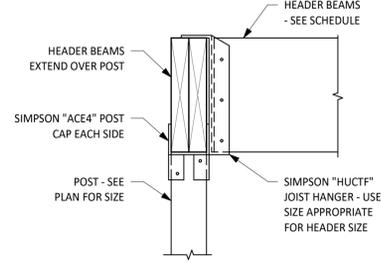
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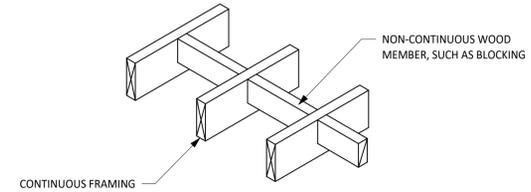
1 TYPICAL WOOD DETAIL
 EXTERIOR POST BASE
 NO SCALE



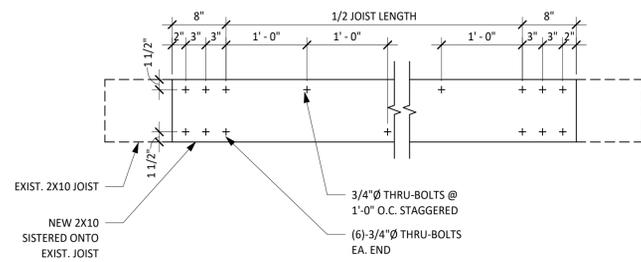
2 TYPICAL WOOD DETAIL
 I-JOIST BLOCKING
 NO SCALE



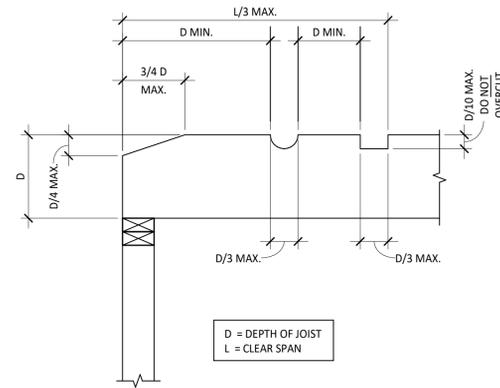
3 TYPICAL WOOD DETAIL
 POST CAP
 NO SCALE



4 TYPICAL WOOD DETAIL
 BLOCKING
 NO SCALE

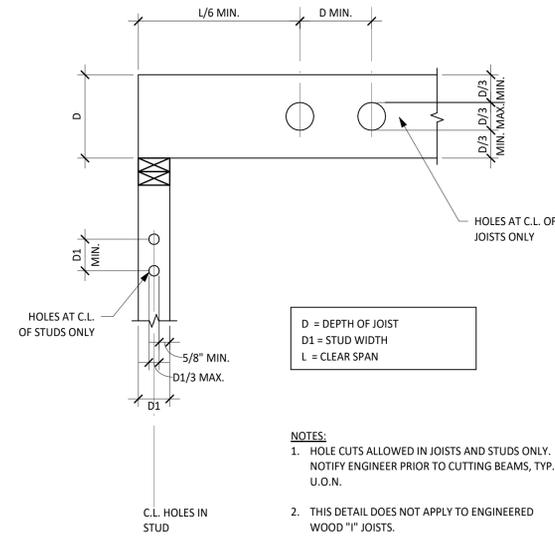


5 TYPICAL DETAIL - WOOD JOIST SISTERING
 NO SCALE



6 TYPICAL WOOD DETAIL
 NOTCHES IN WOOD
 NO SCALE

- D = DEPTH OF JOIST
 L = CLEAR SPAN
- NOTCH CUTS ALLOWED IN TOP OF JOISTS ONLY. NOTIFY ENGINEER PRIOR TO CUTTING BEAMS, TYP. U.O.N.
 - THIS DETAIL DOES NOT APPLY TO ENGINEERED WOOD "I" JOISTS.



7 TYPICAL WOOD DETAIL
 HOLES IN WOOD
 NO SCALE

- D = DEPTH OF JOIST
 D1 = STUD WIDTH
 L = CLEAR SPAN
- NOTES:**
- HOLE CUTS ALLOWED IN JOISTS AND STUDS ONLY. NOTIFY ENGINEER PRIOR TO CUTTING BEAMS, TYP. U.O.N.
 - THIS DETAIL DOES NOT APPLY TO ENGINEERED WOOD "I" JOISTS.

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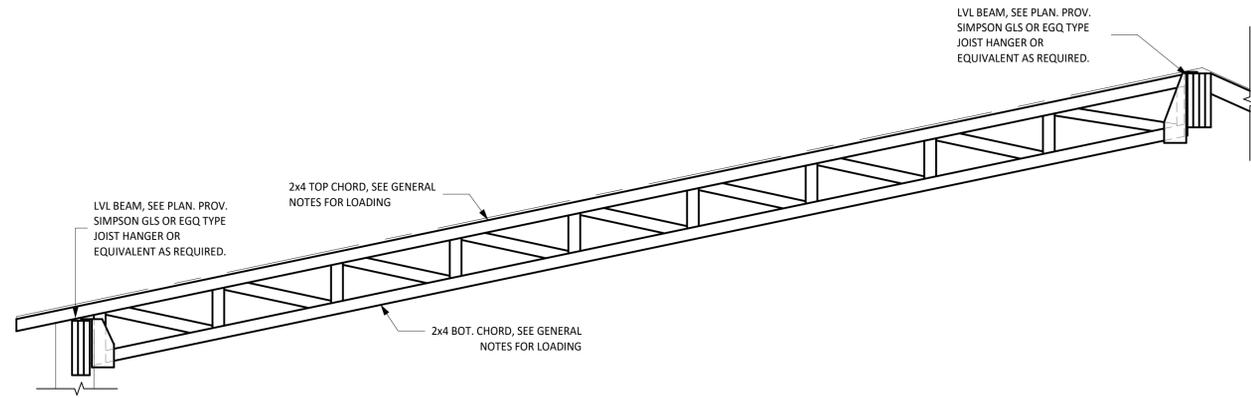
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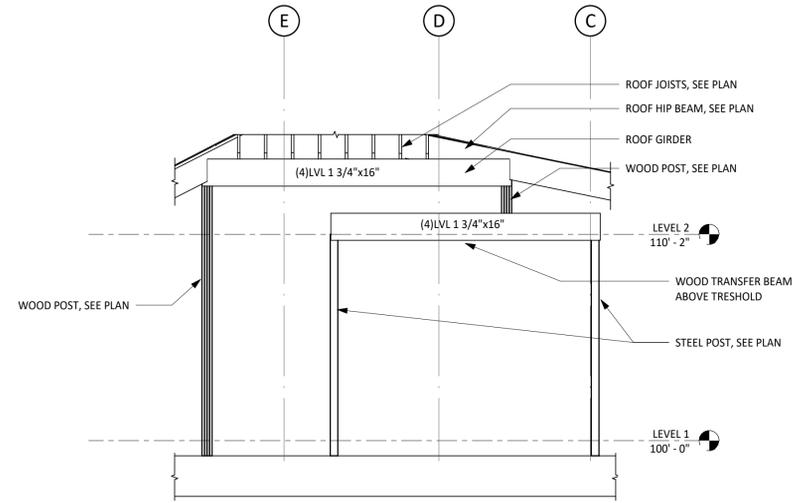
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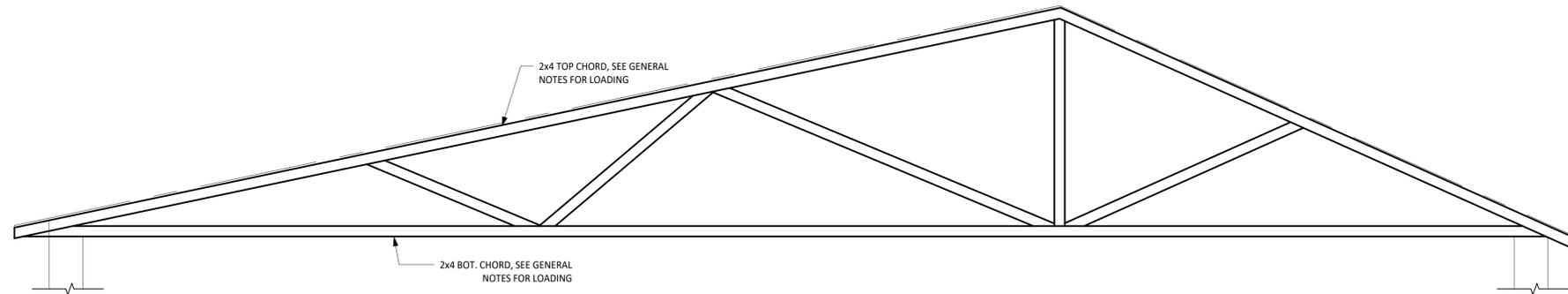
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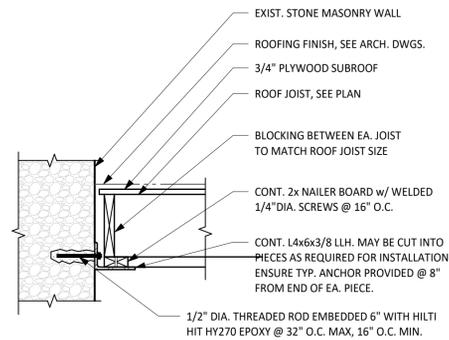
1 NEW SLOPING FLAT WOOD TRUSS ELEVATION
SCALE: 1/2" = 1'-0"



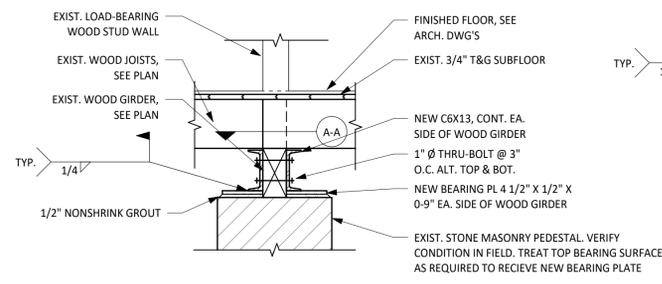
2 NORTH FRAMING ELEVATION
SCALE: 1/4" = 1'-0"



3 NEW TYPICAL WOOD TRUSS ELEVATION
SCALE: 1/2" = 1'-0"

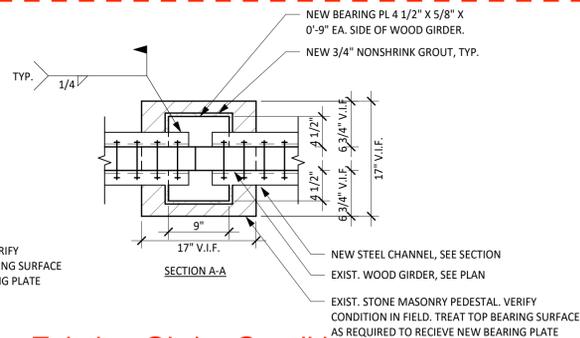


4 WOOD JOIST SUPPORT LEDGER POST INSTALLED INTO STONE MASONRY WALL
SCALE: 1" = 1'-0"

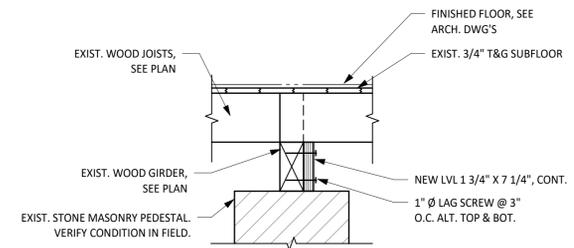


5 REINFORCEMENT OF EXISTING WOOD GIRDER BELOW WOOD BEARING WALL
SCALE: 1" = 1'-0"

**Verify: Existing Girder Conditions & Allowable Stresses-
Validate Girder Reinforcement**



6 REINFORCEMENT OF TYP. EXISTING WOOD GIRDER
SCALE: 1" = 1'-0"



DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	FLAT OVAL DUCT SECTION
	ROUND DUCT SECTION
	DUCT SECTION, POSITIVE PRESSURE, FIRST FIGURE IS TOP
	DUCT SECTION, NEGATIVE PRESSURE, FIRST FIGURE IS TOP
	DUCT SIZE, FIRST FIGURE IS SIDE SHOWN
	FLAT OVAL DUCTWORK, FIRST FIGURE IS SIDE SHOWN
	CHANGE OF ELEVATION - UP OR DOWN
	ACCESS DOORS, VERTICAL OR HORIZONTAL
	ACOUSTICAL LINING (INSULATION)
	DEMOLITION DUCTWORK
	EXISTING DUCT
	EXISTING UNDERGROUND RETURN AIR DUCT
	FLEXIBLE CONNECTION
	FLEXIBLE DUCT (SINGLE LINE REPRESENTATION)
	FLEXIBLE DUCT (DOUBLE LINE REPRESENTATION)
	MANUAL VOLUME DAMPER
	MOTORIZED VOLUME DAMPER
	FIRE DAMPER (WITH ACCESS DOOR)
	SMOKE/FIRE DAMPER (WITH ACCESS DOOR) (OPTIONAL DSD AS INDICATED)
	REFRIGERANT SIGHT GLASS
	DETECTORS, FIRE AND/ OR SMOKE
	DIRECTION OF AIR FLOW
	DUCT TRANSITION
	ELBOWS WITHOUT TURNING VANES
	ELBOWS WITH TURNING VANES
	BRANCH DUCT WITH HEEL TAP AND DAMPERS (RETURN DUCT FLOW IS REVERSE)
	AIR DEVICE TYPE "A", 300 CFM
	LINEAR SLOT DEVICE TYPE "A", 200 CFM
	SUPPLY GRILLE OR REGISTER, SIDEWALL TYPE "A", 200 CFM
	RETURN/EXHAUST AIR DEVICE, TYPE "RA"
	RETURN/EXHAUST GRILLE OR REGISTER, SIDEWALL, DEVICE TYPE "A"
	ROOF VENTILATOR, SUPPLY
	ROOF VENTILATOR, EXHAUST

DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	ROOF HOOD
	FAN COIL (2 OR 4 PIPE)
	IN-LINE CENTRIFUGAL FAN
CONTROLS	
	THERMOSTAT
	THERMOSTAT, REMOTE BULB
	TEMPERATURE SENSOR
	HUMIDISTAT
	HUMIDITY SENSOR
	FIRESTAT
PIPING GENERAL	
	FLOW SWITCH
	PRESSURE SWITCH
	STRAINER, WYE WITH DRAIN VALVE
	STRAINER - VERTICAL BASKET TYPE
	FLOOR DRAIN
	AUTOMATIC AIR VENT PIPED TO DRAIN
	MANUAL AIR VENT PIPED TO DRAIN
	GAUGE COCK
	PRESSURE GAUGE WITH GAUGE COCK
	FLOW VENTURI
	FLOW METER (PITOT OR ORIFICE)
	NEW PIPING
	EXISTING PIPING
	PIPING TO BE DEMOLISHED
	PIPE RISE (R) OR DROP (D)
	FLOW - IN DIRECTION OF ARROW
	WATER SUPPLY PIPING (2 PIPE)
	WATER RETURN PIPING (2 PIPE)
	RISER DOWN (ELBOW)
	RISER UP (ELBOW)
	RISE OR DROP
	BRANCH CONNECTION OUT OF TOP
DRAWING SYMBOLS	
	NEW TO EXISTING CONNECTION
	SECTION ARROW - SECTION 1, SHEET M100
	DETAIL SCALE DETAIL OR PLAN NUMBER 1, SHEET M500 (SCALE AS INDICATED)
	EQUIPMENT MARK
	ROOM & NUMBERS
	KEY NOTES

MECHANICAL SYMBOLS AND ABBREVIATIONS

NOTE: SELDOM ARE ALL SYMBOLS AND ABBREVIATIONS USED IN THE DRAWINGS; REFERENCE ONLY THOSE THAT ARE APPLICABLE.

VALVES

SYMBOL	DESCRIPTION
	AUTOMATIC FLOW CONTROL VALVE
	CALIBRATED BALANCING VALVE
	COMBINATION BALANCING AND FLOW METER
	EXPANSION VALVE
	VALVE, SELF-OPERATING
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	TEMPERATURE AND PRESSURE RELIEF VALVE
	THREE WAY VALVE (AUTOMATIC)
	TWO WAY VALVE (AUTOMATIC)
	NON-SLAM CHECK VALVE
	BALL VALVE
	BALL VALVE (MEMORY STOP)
	OUTSIDE STEM AND YOKE GATE VALVE
	GATE VALVE
	FLOAT VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	SOLENOID VALVE
	HOSE VALVE (UTILITY PURPOSES)
	THERMOSTATIC EXPANSION VALVE
	SWING CHECK VALVE
	VALVE IN RISER (TYPE AS SPEC'D OR NOTED)
	PLUG VALVE

COOLING

SYMBOL	DESCRIPTION
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSATOR WATER SUPPLY
	CONDENSATOR WATER RETURN
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	REFRIGERANT HOT GAS
	HOT GAS BYPASS
	MAKE-UP WATER
	DRAIN LINE

HEATING

SYMBOL	DESCRIPTION
	HOT WATER SUPPLY
	HOT WATER RETURN
	HIGH PRESSURE STEAM CONDENSATE
	LOW PRESSURE STEAM CONDENSATE
	PUMPED CONDENSATE RETURN
	STEAM SUPPLY (PRESSURE AS INDICATED)
	BOILER FEED WATER
	THERMOSTATIC TRAP
	FLOAT AND THERMOSTATIC TRAP

PIPING GENERAL

SYMBOL	DESCRIPTION
	BRANCH CONNECTION OUT OF BOTTOM
	BRANCH CONNECTION OUT OF SIDE
	CAP ON END OF PIPE
	PLUGGED TEE
	PUMP
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	UNION (SCREWED)
	UNION (FLANGED)
	PIPE ANCHOR
	BLADDER TYPE TEMP. OR PRESS. TEST PORT (WITH COVER)
	MECHANICAL GROOVED PIPE COUPLING
	FLEXIBLE PIPE CONNECTOR
	THERMOMETER (STRAIGHT SCALE)
	THERMOMETER OR CONTROL TEST BULB WELL
	THERMOSTAT

ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ABV	ABOVE	ENT	ENTERING	OH	OVERHEAD
AC	ABOVE CEILING	EQUIP.	EQUIPMENT	PD	PRESSURE DROP
ACC	AIR COOLED CHILLER	ERV	ENERGY RECOVERY VENTILATOR	PLBG	PLUMBING
AD	ACCESS DOOR	ESP	EXTERNAL STATIC PRESSURE	PRESS	PRESSURE
AFB	ABOVE FINISHED FLOOR	EWT	ENTERING WATER TEMPERATURE	PSI	POUNDS PER SQUARE INCH, GAUGE
AHU	AIR HANDLING UNIT	EXH	EXHAUST	PTAC	PACKAGE TERMINAL AIR CONDITIONER
APPROX.	APPROXIMATE	EXIST	EXISTING	PVC	POLYVINYL CHLORIDE
AV	AIR VENT	F	FAHRENHEIT	RA	RETURN AIR
ARCH.	ARCHITECTURAL	FA	FRESH AIR	REFRIG.	REFRIGERATION
B	BOILER	FC	FAN COIL	RHD	RELIEF HOOD
BDD	BACK DRAFT DAMPER	FD	FIRE DAMPER	RH	RELATIVE HUMIDITY
BF	BELOW FLOOR	FPM	FEET PER MINUTE	RTU	ROOF TOP UNIT
BLDG.	BUILDING	FS	FLOW SWITCH	SA	SUPPLY AIR
BHP	BRAKE HORSEPOWER	FT	FEET	SCH	SCHEDULE
BTU	BRITISH THERMAL UNIT	GAL	GALLON(S)	SD	SMOKE DAMPER
CFM	CUBIC FEET PER MINUTE	GALV	GALVANIZED	SF	SQUARE FOOT
CH	CHILLER	GPM	GALLONS PER MINUTE	SHT	SHEET
CI	CAST IRON	HB	HOSE BIBB	SP	STATIC PRESSURE
CLG	CEILING	HD	HEAD	SPEC	SPECIFICATION
CO	CLEANOUT	HDT	HORIZONTAL DRAW THRU	STD	STANDARD
CONC	CONCRETE	HP	HORSEPOWER	STL	STEEL
COND	CONDENSATE	HTR	HEATER	SW	SWITCH
CONN/CONX.	CONNECTION	H2O	WATER	T/A	THROW AWAY (FILTERS)
CONT	CONTINUATION	HW	HOT WATER	T-STAT	THERMOSTAT
CP	CENTRAL PLANT	HZ	HERTZ	TEMP	TEMPERATURE
CL	CENTERLINE	ID	INSIDE DIAMETER	TSH	TOTAL SENSIBLE HEAT
CT	COOLING TOWER	INV	INVERT	TXV	THERMOSTATIC EXPANSION VALVE
CU	CONDENSING UNIT	IN	INCHES	TYP	TYPICAL
CHW	CHILLED WATER	IN WG	INCHES OF WATER	UF	UNDER FLOOR
CWP	CHILLED WATER PUMP	JST	JOIST	UG	UNDERGROUND
DDC	DIRECT DIGITAL CONTROLS	KW	KILOWATT	UH	UNIT HEATER
DG	DOOR GRILLE	L	LENGTH	UL	UNDERWRITER'S LABORATORIES
DI	DUCTILE IRON	LAT	LEAVING AIR TEMPERATURE	V	VENT
DIA	DIAMETER	LVR	LOUVER	VB	VALVE BOX
DB	DRYBULB	MAX	MAXIMUM	VCP	VITRIFIED CLAY PIPE
DN	DOWN	MD	MANUAL DAMPER	VEL	VELOCITY
DSD	DUCT SMOKE DETECTOR	MECH	MECHANICAL	VENT	VENTILATE
DWG	DRAWING	MIN	MINIMUM	VOL	VOLUME
DX	DIRECT EXPANSION	MOBD	MOTORIZED OPPOSED BLADE DAMPER	VOLT	VOLTAGE
EA	EXHAUST AIR	MTD	MOUNTED	VTR	VENT THRU ROOF
EAT	ENTERING AIR TEMPERATURE	NA	NOT APPLICABLE	W	WIDE, WIDTH
EDH	ELECTRIC DUCT HEATER	NC	NORMALLY CLOSED	WB	WET BULB
EF	EXHAUST FAN	NO	NORMALLY OPEN	W.C.	WATER COLUMN
EG	EXHAUST GRILLE	NTS	NOT TO SCALE	W/	WITH
ELECT	ELECTRICAL	OA	OUTSIDE AIR	W/O	WITHOUT
ELEV	ELEVATION	QBD	OPPOSED BLADE DAMPER	ANGLE IRON	ANGLE IRON
EMCS	REFRIGERANT MONITORING CONTROL SYSTEM				

COMMISSIONING PLAN

PROJECT IS EXEMPT FROM COMMISSIONING PER 408.2 EXEMPTION NO. 1.

THE TOTAL MECHANICAL EQUIPMENT COOLING CAPACITY IS LESS THAN 480,000 BTUH AND LESS THAN 600,000 BTUH HEATING CAPACITY.

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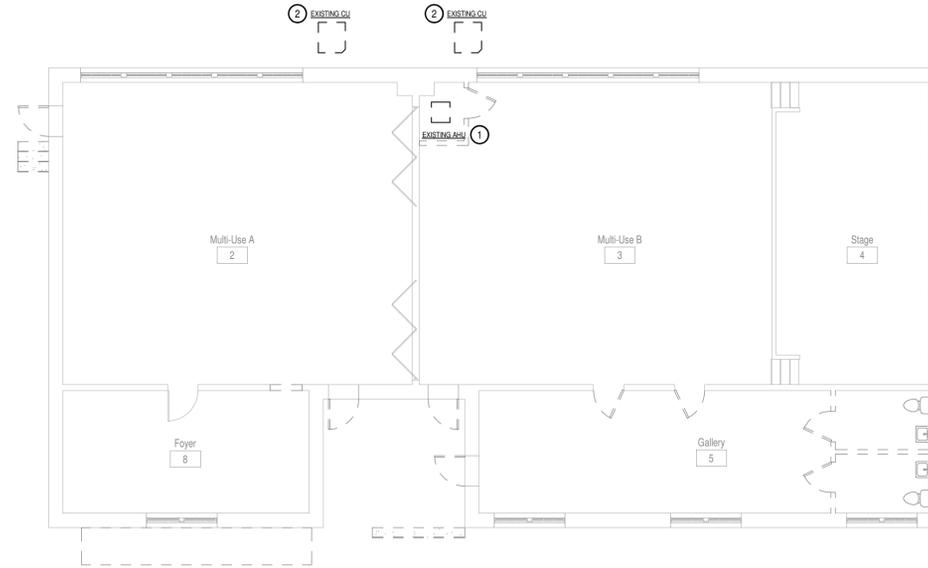
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OCT. 11, 2023

MECHANICAL GENERAL NOTES (APPLIES TO ALL PAGES):

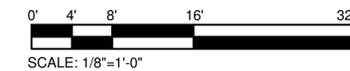
1. THE "EXISTING" MECHANICAL LAYOUTS INDICATED ON THESE DOCUMENTS ARE BASED ON THE INFORMATION AVAILABLE AND MAY BE INCOMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ACTUAL CONDITIONS AND MAKE SUITABLE ADJUSTMENTS AS NECESSARY, TO ACCOMMODATE NEW WORK. CONDITIONS DIFFERENT TO THOSE INDICATED SHALL BE INCORPORATED INTO THE CONSTRUCTION DOCUMENTS. NOTE THAT ANY UNCOVERED SYSTEMS MUST BE CAREFULLY IDENTIFIED PRIOR TO MODIFICATIONS.
2. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER TRADES AND INCLUDE ANY MODIFICATIONS NEEDED TO ACCOMMODATE THEIR WORK.
3. FIELD VERIFY EXACT LOCATIONS AND SIZES OF EXISTING EQUIPMENT.
4. IN-FILL ANY OPEN WALL PENETRATIONS ABOVE THE CEILING, FROM CRAWL SPACE, OR THROUGH DECK SLAB THAT ARE CREATED BY THE REMOVAL OF ANY PIPING, CONDUIT, OR EQUIPMENT. FIRE CAULK ALL PENETRATIONS THROUGH NEW AND EXISTING FIRE RATED WALLS TO ENSURE INTEGRITY OF RATED AND NON RATED WALLS. IN-FILL PIPING PENETRATIONS NEW AND ABANDONED WITH POURABLE SEALANT. ALL PENETRATIONS SHALL BE INSPECTED PRIOR TO CONCEALMENT.
5. OWNER SHALL HAVE FIRST PRIORITY OVER ANY SALVAGED EQUIPMENT DURING THE DEMOLITION PROCESS. CONTRACTOR SHALL COORDINATE WITH OWNER TO DETERMINE WHAT ITEMS, IF ANY, THE OWNER WOULD LIKE TO KEEP.

MECHANICAL DEMOLITION KEYED NOTES:

- ① DEMOLISH ALL EXISTING MECHANICAL EQUIPMENT IN CLOSET AND ALL ASSOCIATED DUCTWORK, AIR DEVICES, PIPING, HANGERS, AND SUPPORTS.
- ② DEMOLISH EXISTING OUTDOOR CONDENSING UNITS AND ASSOCIATED CONCRETE PADS, PIPING, AND SUPPORTS.



1 MECHANICAL LEVEL 1 DEMOLITION PLAN
MD101 1/8" = 1'-0"



City of Dripping Springs
STEPHENSON SCHOOL BUILDING, REHABILITATION AND ADDITION

311 Old Fitzhugh Rd.
Dripping Springs, TX 78620

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Sheet Name
MECHANICAL LEVEL 1 DEMOLITION PLAN

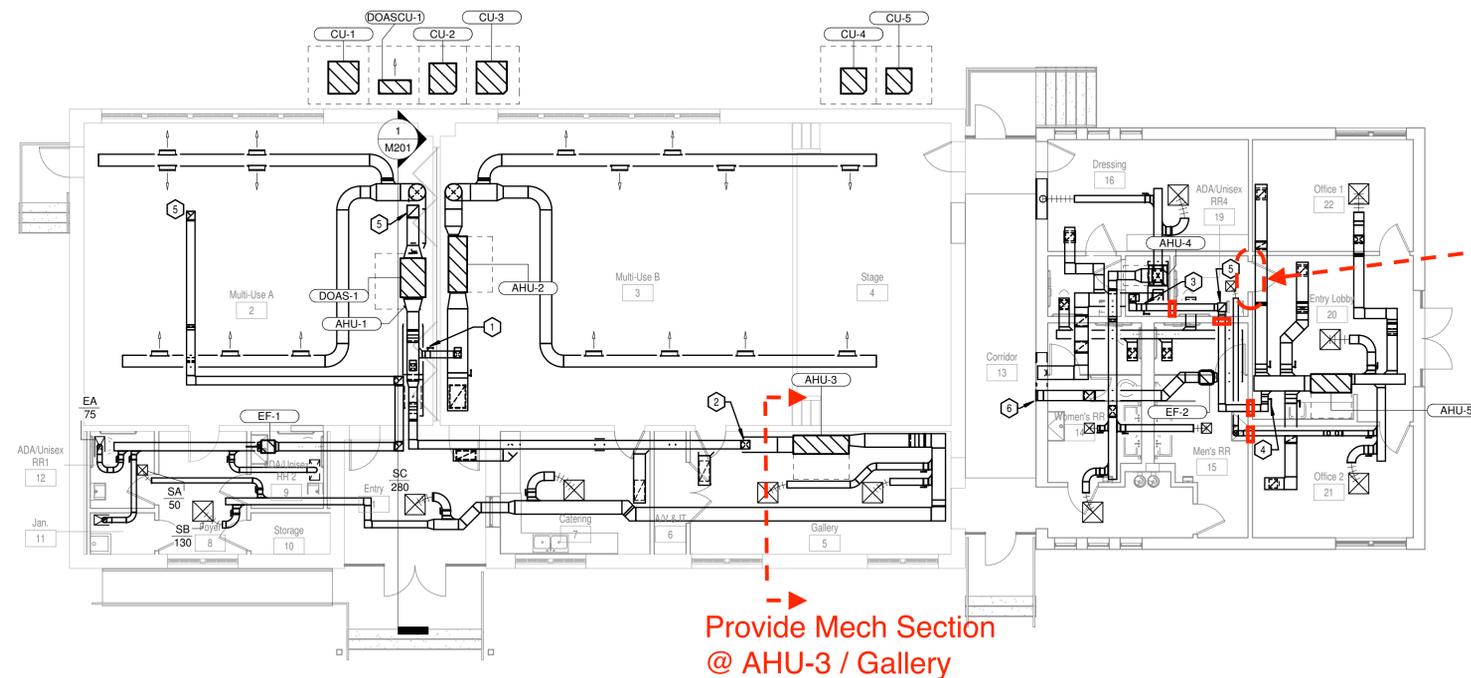
Sheet Number

MD101

MECHANICAL KEYED NOTES:

- ① BALANCE AIRFLOW BALANCING DAMPER TO 280 CFM.
- ② BALANCE AIRFLOW BALANCING DAMPER TO 90 CFM.
- ③ BALANCE AIRFLOW BALANCING DAMPER TO 100 CFM.
- ④ BALANCE AIRFLOW BALANCING DAMPER TO 150 CFM.
- ⑤ DUCTWORK DOWN FROM ROOF HOOD. SEE ROOD PLAN FOR CONTINUATION.
- ⑥ WIND DRIVEN RAIN RESISTANT EXHAUST LOUVER. REFER TO DETAILS FOR CONNECTION. REFER TO ARCHITECTURAL FOR LOUVER SPECIFICATIONS.

Equipment Locations
 & Air Distribution Concepts
 look OK- Thanks!



Rated Door?
 Coord. Occupancy
 Separation w/Arch'l

= Fire Dampers @
 1 Hr Rated Construction-
 Verify Locations

Provide Mech Section
 @ AHU-3 / Gallery

1 MECHANICAL LEVEL 1 PLAN
 M101 1/8" = 1'-0"

City of Dripping Springs
 STEPHENSON SCHOOL
 BUILDING,
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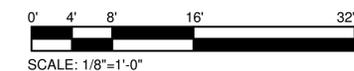
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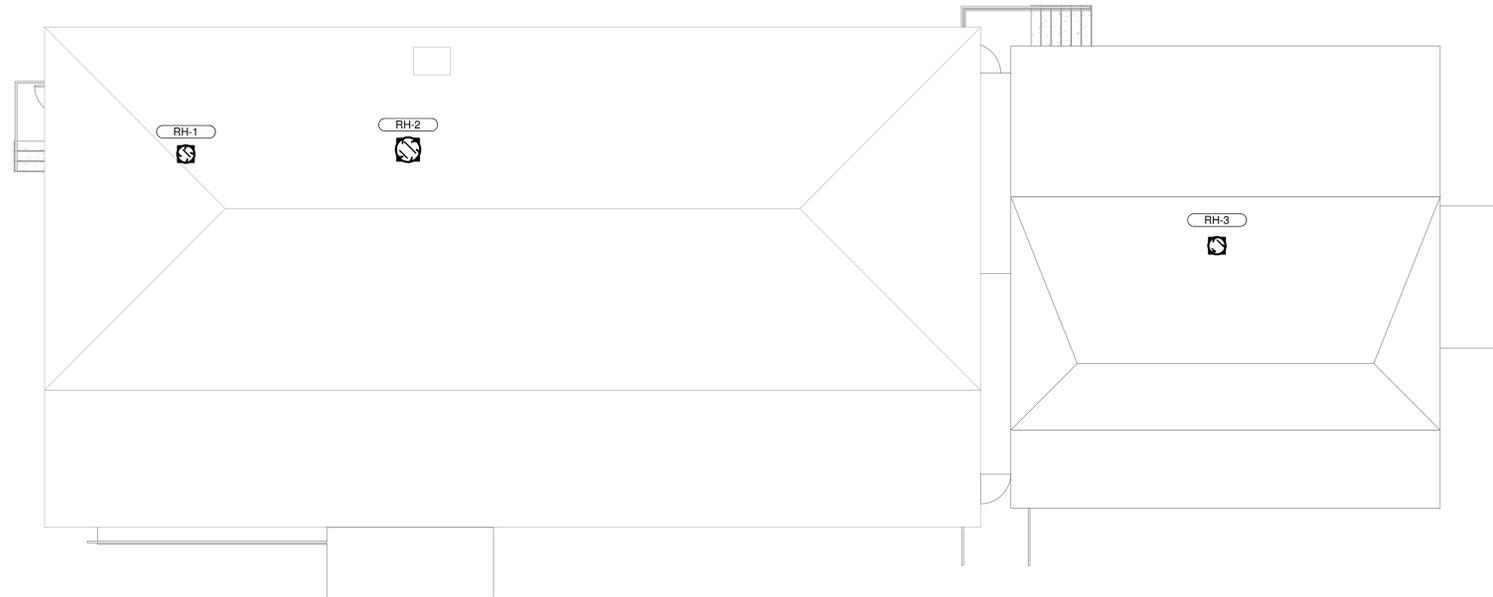
Sheet Name
 MECHANICAL LEVEL 1 PLAN

Sheet Number



M101

Roof Penetration Locations Look Good- Thanks!



1 MECHANICAL ROOF PLAN
M102 1/8" = 1'-0"

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BUILDING,
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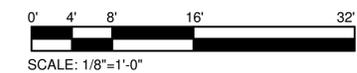
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Sheet Name
MECHANICAL ROOF PLAN

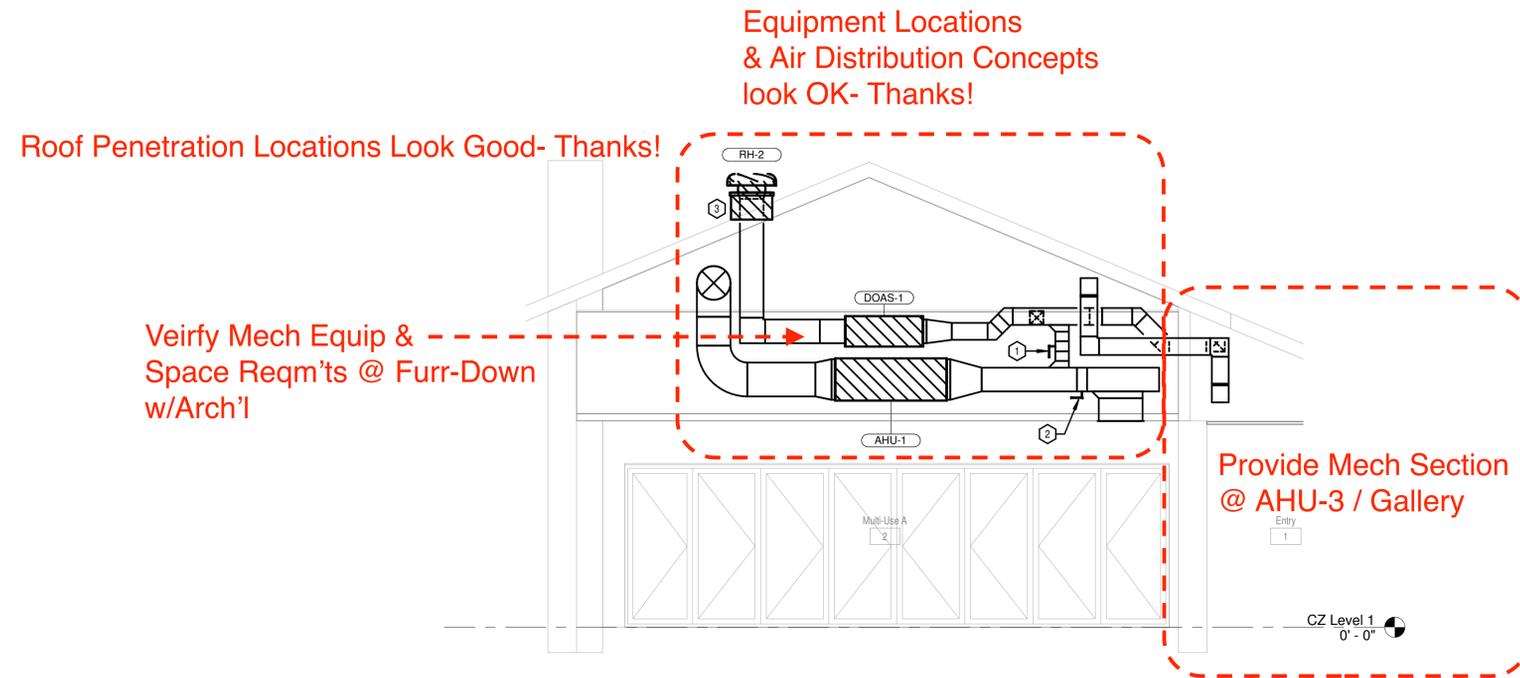
Sheet Number

M102



MECHANICAL KEYED NOTES:

- ① BALANCE AIRFLOW BALANCING DAMPER TO 280 CFM.
- ② BALANCE AIRFLOW BALANCING DAMPER TO 1470 CFM.
- ③ DUCTWORK DOWN FROM ROOF HOOD. SEE ROOF PLAN FOR CONTINUATION.



1 MULTI-USE 1
 M201 1/4" = 1'-0"

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 BUILDING,
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OCT. 11, 2023

Architexas No. 2314 Date October 11, 2023

Sheet Name
**MECHANICAL ENLARGED
 PLANS & SECTION VIEWS**

Sheet Number

M201



DOAS SCHEDULE	
INDOOR UNIT	
MARK	DOAS-1
TOTAL CFM	650
AIRFLOW MODULATION	CONSTANT
OA CFM	650
ESP ("WG)'	0.4
FAN MOTOR (V / PH)	230 / 1
AUXILIARY HEAT TYPE	SCR ELEC.
MCA / MOCP	1.9 / 15
COOLING	
EAT (°F) (DB / WB)	100.3 / 74.3
LAT (°F) (DB / WB)	55.0 / 55.0
MAX FACE VEL. (FPM)	500
TOTAL OUTPUT (MBH)	51.0
SENS OUTPUT (MBH)	32.4
REHEAT / AUXILIARY HEAT	
TYPE	SCR ELEC.
LAT (°F) (DB)	70
TOTAL CAPACITY (kW)	3
ELECTRICAL SERVICE (V / PH)	230 / 1
MCA / MOCP	16.3 / 20
HEATING	
TYPE	HEAT PUMP
EAT (°F) (DB)	22.4
LAT (°F) (DB)	70.0
TOTAL CAPACITY (MBh)	30.5
OUTDOOR UNIT	
TAG	DOASCU-1
REGRIGERANT TYPE	R-410A
SEER	16
COMPRESSOR TYPE	INVERTER
ABMIENT T (COOLING MODE)	105
AMBIENT T (HEATING MODE)	20
ELECTRICAL SERVICE (V/PH)	230 / 1
MCA / MOCP	29.1 / 35
REFERENCE	
MANUFACTURER INDOOR/OUTDOOR SECTION	DAIKIN
AIR HANDLING UNIT MODEL	FXMQ48MFVJU
AHU/CU WEIGHTS (LBS)	190 / 225
CONDENSING UNIT MODEL	RXTQ60TAVJUA
NOTES	1-8

- DOAS SCHEDULE NOTES:
1. MANUFACTURE TO SIZE REFRIGERANT LINES.
 2. SCR HEAT STRIP TO BE FIELD MOUNTED IN DUCT WORK.
 3. SCR HEAT STRIP TO HAVE SEPARATE POWER SUPPLY FROM INDOOR UNIT. COORDINATE WITH ELECTRICAL.
 4. PROVIDE WITH AMBIENT CONTROL KIT.
 5. PROVIDE WITH MERV 8 FILTERS.
 6. PROVIDE INDOOR UNIT WITH AUXILIARY STAINLESS STEEL DRAIN PAN AND EMERGENCY OVERFLOW CUT OFF SWITCH.
 7. PROVIDE WITH FIELD INSTALLED COIL GUARD.
 8. UNIT TO BE PROGRAMMED TO RUN CONTINUOUSLY DURING OCCUPIED HOURS.

SPLIT-SYSTEM SCHEDULE						
INDOOR UNIT						
TAG	AHU-1	AHU-2	AHU-3	AHU-4	AHU-5	
AREA SERVED	MULTI-USE A	MULTI-USE B	ENTRY / GALLERY / CATERING	DRESSING / RR	OFFICE	
AIR MODULATION	CONSTANT	CONSTANT	CONSTANT	CONSTANT	CONSTANT	
TOTAL CFM	1750	1925	1020	860	1270	
OUTSIDE AIR CFM	0	0	0	100	150	
EXTERNAL STATIC PRESSURE (IN. W.G.)	0.5	0.5	0.5	0.5	0.5	
FAN MOTOR (HP / V / PH)	0.75 / 240 / 1	0.75 / 240 / 1	0.5 / 240 / 1	0.5 / 240 / 1	0.5 / 240 / 1	
UNIT MCA / MOCP	93.3 / 100	93.3 / 100	43.3 / 45	52.6 / 60	52.6 / 60	
COOLING COIL						
TYPE	DX	DX	DX	DX	DX	
ENT. AIR (DB/WB)	77.8 / 62.2	78.0 / 62.7	77.2 / 60.3	80.6 / 63.7	77.6 / 62.3	
LEV. AIR (DB/WB)	55.0 / 52.3	55.0 / 52.7	55.0 / 51.0	55.0 / 53.2	55.0 / 52.5	
TOTAL CAPACITY (MBh)	50.1	56.0	26.1	26.4	35.3	
SENSIBLE CAPACITY (MBh)	43.9	48.4	24.9	22.9	31.0	
HEATING COIL						
TYPE	ELEC.	ELEC.	ELEC.	ELEC.	ELEC.	
ENT. AIR (DB)	68.7	68.7	68.8	63.3	64.1	
LEV. AIR (DB)	85.0	85.0	85.0	85.0	85.0	
TOTAL CAPACITY (kW)	14.4	36.1	7.1	24.4	24.4	
OUTDOOR UNIT						
MARK	CU-1	CU-2	CU-3	CU-4	CU-5	
AMB. TEMP. (°F DB/WB)	105 / 78	105 / 78	105 / 78	105 / 78	105 / 78	
LOW AMB. CONT. (°F)	20	20	20	20	20	
S.E.E.R.2	16.5	16.5	16.0	14.5	14.5	
REFRIGERANT	R-410A	R-410A	R-410A	R-410A	R-410A	
ELECTRICAL SERVICE (V / PH)	240 / 1	240 / 1	240 / 1	240 / 1	240 / 1	
UNIT MCA / MOCP	34 / 50	34 / 50	16 / 25	19.6 / 30	19.6 / 30	
REFERENCE						
MANUFACTURER	JCI	JCI	JCI	JCI	JCI	
INDOOR UNIT MODEL	JMVT16CC2N1, XAFC60GBCN1	JMVT16CC2N1, XAFC60GBCN1	JMVT12BC2N1, XAFB30CBAN1	JMVT12BC2N1, XAFB30CBAN1	JMVT12BC2N1, XAFB36DBCN1	
WIEGHT LBS.	130	130	110	110	100	
OUTDOOR UNIT MODEL	TCF2B60T21S	TCF2B60T21S	TCF2B30S21S	TCF2B30S21S	TCD2B36S21S	
WEIGHT LBS.	250	250	150	150	160	
NOTES	1-8	1-8	1-8	1-8	1-8	

- CONSTANT VOLUME SPLIT-SYSTEM SCHEDULE NOTES:
1. PROVIDE STARTERS AS REQUIRED.
 2. MANUFACTURER TO SIZE REFRIGERANT LINES.
 3. SECURE AHU TO STRUCTURE WITH ALL THREAD AND SPRING ISOLATORS.
 4. PROVIDE WITH MANUFACTURER'S 7-DAY PROGRAMMABLE T-STAT WITH AUTOMATIC CHANGE OVER. PROVIDE THERMOSTAT WITH LOCKABLE ENCLOSURE.
 5. PROVIDE WITH RAWAL APR VALVE.
 6. PROVIDE WITH LOW AMBIENT CONTROL KIT
 7. PROVIDE WITH AUXILIARY DRAIN PAN AND EMERGENCY OVERFLOW CUT OFF SWITCH
 8. PROVIDE WITH HAIL GUARDS.

CONTROLS: AHU-1, AHU-2, AND AHU-3 SHALL INDIVIDUALLY OPERATE PER THE MANUFACTURER'S SUPPLIED 7 DAY PROGRAMMABLE THERMOSTAT. HARD WIRED TO EACH RESPECTIVE UNIT. AHU-1, AHU-2, AND AHU-3'S SUPPLY FANS SHALL ALL RUN CONTINUOUSLY PER A USER DEFINED OCCUPANT SCHEDULE. REMAINING ON EVEN WHEN THEIR RESPECTIVE COMPRESSORS ARE OFF. DOAS-1 SHALL OPERATE CONTINUOUSLY PER THE SAME OCCUPANT SCHEDULE WHILE THE AHU FANS ARE OPERATING. EXHAUST FAN EF-1 SHALL OPERATE CONTINUOUSLY WHENEVER DOAS-1'S SUPPLY FAN IS RUNNING.

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 STEPHENSON SCHOOL
 BUILDING,
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Sheet Name
 MECHANICAL SCHEDULES

Sheet Number

M301

CFM RANGE	SIZE (DIAMETER)*
<50 - 100	6
101 - 250	8
251 - 400	10
401 - 650	12
651 - 900	14
901 - 1300	16
1301 - 1800	18
1801 - 2300	20

*ALL FLEX DUCT SHALL BE SIZED IN ACCORDANCE WITH FLEX DUCT SCHEDULE. PROVIDE RIGID REDUCER AT NECK OF AIR DEVICE, VAV INLET DUCT, ETC. TO TRANSITION FROM FLEX DUCT SIZE TO DIFFUSER INLET AND / OR EQUIPMENT CONNECTION SIZE. FLEX DUCT NOT TO EXCEED 6FT LENGTH.

MARK	MODEL	SIZE	THROW (@ 100 FPM)	CFM RANGE	INLET	# SLOTS	O.B.D. REQ'D. ?	P.D. ("WG) *	MAX. NC	REFERENCE	NOTES
SA	ASCD	24" x 24"	3 FT	0-100	6"ø	N/A	NOTE 2	0.04	25	PRICE	1,2,3
SB	ASCD	24" x 24"	5 FT	101-250	8"ø	N/A	NOTE 2	0.05	25	PRICE	1,2,3
SC	ASCD	24" x 24"	6 FT	251-400	10"ø	N/A	NOTE 2	0.05	25	PRICE	1,2
SD	630	16" x 8"	18 FT	0-315	14" x 6"	N/A	YES	0.09	25	PRICE	4
SE	630	22" x 8"	26 FT	0-515	20" x 6"	N/A	YES	0.10	25	PRICE	5
SF	AHCD	17" x 8"	26 FT	0-190	6" x 15"	N/A	YES	0.10	25	PRICE	7
SG	630	14" x 12"	20 FT	0-450	12" x 10"	N/A	YES	0.10	30	PRICE	4,8
SH	630	10" x 8"	5 FT	0-100	8" x 6"	N/A	YES	0.05	30	PRICE	9
RA	630	28" x 20"	-	0-1650	26" x 18"	N/A	YES	0.11	30	PRICE	2
RB	630	18" x 12"	-	0-450	16" x 10"	N/A	YES	0.10	30	PRICE	2
RC	630	12" x 12"	-	0-300	10" x 10"	N/A	YES	0.09	30	PRICE	2
RD	630	32" x 16"	-	0-1400	30" X 14"	N/A	YES	0.10	30	PRICE	2
RE	80	24" x 24"	-	0-2000	22" x 22"	N/A	NO	0.10	30	PRICE	2
EA	80SR	24" x 12"	-	0-75	6"ø	N/A	NOTE 2	0.10	25	PRICE	2,6

* AT MAX. CFM

AIR DEVICE SCHEDULE KEYED NOTES:

- FIELD INSULATE PLENUM BOX OR BACKSIDE OF DIFFUSER.
- PROVIDE REMOTE CABLE OPERATED VOLUME DAMPER WHERE DAMPER IS INACCESSIBLE FOR BALANCING.
- 12"x12" MODULE SIZE WHERE SHOWN.
- ANGLE HORIZONTALLY MOUNTED GRILLE BLADES 20 DEGREES DOWN FROM HORIZONTAL.
- ANGLE HORIZONTALLY MOUNTED GRILLE BLADES 15 DEGREES DOWN FROM HORIZONTAL.
- PROVIDE WITH 24" x 24" TOP INLET INTEGRATED PLENUM, PLENUM INLET SIZE AS SCHEDULED
- ANGLE HIGH CAPACITY DRUM DOWN 15 DEGREES FROM HORIZONTAL.
- ANGLE VIRTICALLY MOUNTED GRILLE BLADES 20 DEGREES TOWARDS THE ROOM'S DOUBLE WINDOWS.
- ANGLE HORIZONTALLY MOUNTED GRILLE BLADES 45 DEGREES DOWN FROM HORIZONTAL.

AIR DEVICE SCHEDULE GENERAL NOTES:

- ALL AIR DEVICES TO BE STEEL, WHITE FINISH UNLESS NOTED OTHERWISE.
- REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES. ALL AIR DEVICES MOUNTED IN A DRYWALL CEILING SHALL HAVE A MOUNTING FRAME.
- FOR 2-WAY DISCHARGE, THROWS LISTED REFLECT AIRFLOW IN A SINGLE DIRECTION.
- P.D. ("WG) REFLECTS "TOTAL" PRESSURE (STATIC AND DYNAMIC).
- THROW, P.D. AND MAX NC TAKEN AT MAX VALUE OF CFM RANGE.
- SIZE FLEX DUCT OR HARD DUCT CONNECTION TO AIR DEVICE INLET PER AIR DEVICE SCHEDULED INLET SIZE UNLESS OTHERWISE INDICATED.
- FLEX DUCT LENGTH CONNECTING DUCT TO AIR DEVICE NOT TO EXCEED 6'-0" IN LENGTH.
- NC VALUES OF "-" INDICATE AN NC LEVEL BELOW 15.

ROOF HOOD SCHEDULE

MARK	CFM	THROAT AREA (SF)	MAX. S.P. DROP ("WG)	SERVICE	REFERENCE	THROAT WIDTH	DAMPER INTERLOCK	NOTES
RH-1	225	0.4	0.05	EXHAUST	GREENHECK GRSR-8	8"ø	EF-1	1,2,4,5
RH-2	650	1	0.05	INTAKE	GREENHECK GRSI-16	16"ø	DOAS-1	1,2,4,6
RH-3	250	1	0.05	INTAKE	GREENHECK GRSI-10	10"ø	BACKDRAFT	1,2,3

ROOF HOOD SCHEDULE NOTES:

- PROVIDE WITH MANUFACTURER'S STD. GALV. ROOF CURB.
- PROVIDE WITH MANUFACTURER'S STD. ALUM. INSECT SCREEN.
- PROVIDE WITH BAROMETRIC DAMPER.
- PROVIDE WITH MOTORIZED DAMPER AND DAMPER TRAY. REFER TO DETAIL.
- INTERLOCK MOTORIZED DAMPER TO BE OPEN WHEN EF-1 IS RUNNING.
- INTERLOCK MOTORIZED DAMPER TO BE OPEN WHEN DOAS-1 IS RUNNING.

FAN SCHEDULE

TAG	TYPE	MANUFACTURER	MODEL	SERVICE	CFM	SP ("WG)	MAX BHP	HP	V / PH	MAX SONES	DRIVE	CONTROL	NOTES
EF-1	INLINE	GREENHECK	SQ-80-VG	EXHAUST	225	0.30	0.04	1/10	115 / 1	10	DIRECT	INTERLOCK	1,2,3
EF-2	INLINE	GREENHECK	SQ-90-VG	EXHAUST	450	0.30	0.06	1/10	115 / 1	10	DIRECT	INTERLOCK	1,2,4

EXHAUST FAN SCHEDULE NOTES:

- PROVIDE BACKDRAFT DAMPER.
- PROVIDE MANUFACTURER-STANDARD VG MOTOR.
- INTERLOCK EXHAUST FAN OPERATION WITH DOAS-1.
- INTERLOCK EXHAUST FAN OPERATION WITH AHU-4.

City of Dripping Springs
 STEPHENSON SCHOOL
 BUILDING,
 REHABILITATION AND
 ADDITION

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REVISION HISTORY

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Review Comments:
231018- KES

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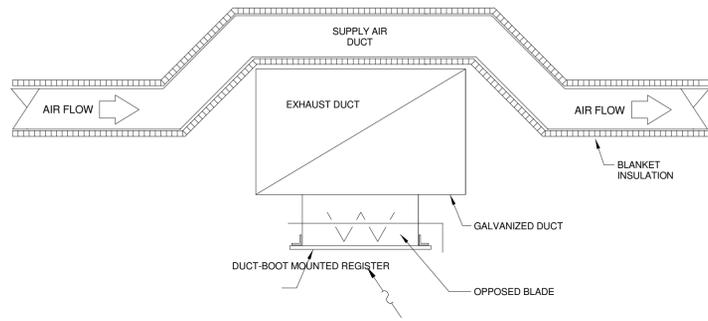
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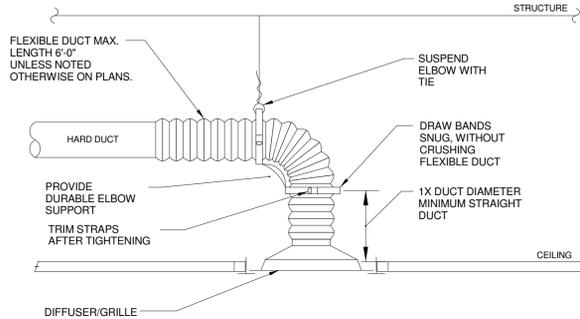
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MECHANICAL SCHEDULES

Sheet Number

M302

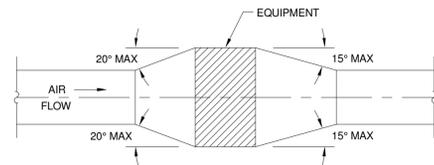


1 DUCT CROSS OVER DETAIL
 M501 NOT TO SCALE



NOTES:
 1. TO ATTACH FLEX DUCT TO THE HARD DUCT, TAPE THE INNER LINER TO THE HARD DUCT THEN ATTACH WITH TWO NYLON TIE WRAPS, ONE FOR THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL INSIDE ITSELF SO IT HAS NEAT EDGES PRIOR TO THE WRAPPING.
 2. HART AND COOLEY "SMARTFLOW" ELBOW, THERMAFLEX "FLEXFLOW", AND TITUS "FLEXRIGHT" ARE ACCEPTABLE PRODUCTS FOR DURABLE ELBOW SUPPORT.

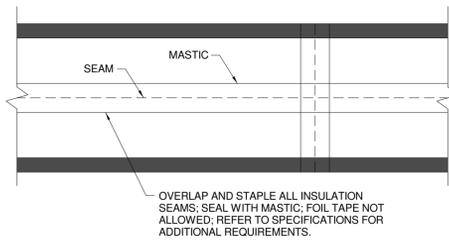
2 DIFFUSER/GRILLE CONNECTION DETAIL
 M501 NOT TO SCALE



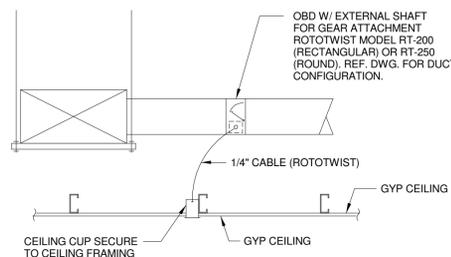
PLAN OR ELEVATION

NOTE:
 UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN ABOVE SHALL APPLY.

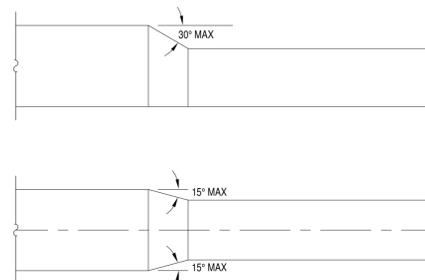
4 DUCT MOUNTED EQUIPMENT
 M501 NOT TO SCALE



5 DUCT INSULATION SEAMS / MASTIC
 M501 NOT TO SCALE



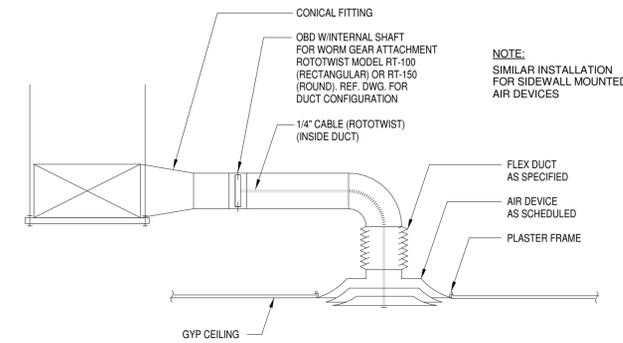
6 REMOTE CABLE OPERATED DAMPER
 M501 NOT TO SCALE



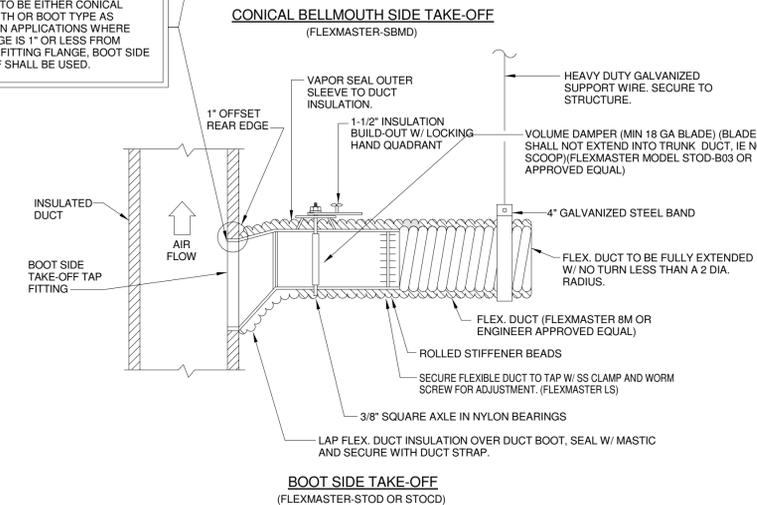
NOTE:
 UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN ABOVE SHALL APPLY.

7 DUCT TRANSITION DETAIL
 M501 NOT TO SCALE

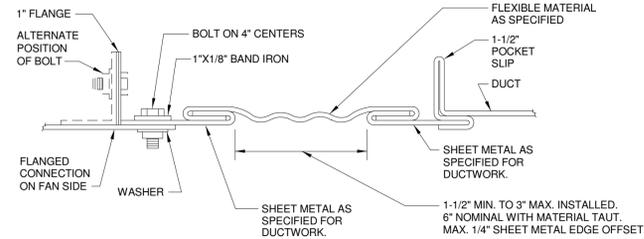
3 REMOTE CABLE OPERATED DAMPER W/ GRILLE ACCESS
 M501 NOT TO SCALE



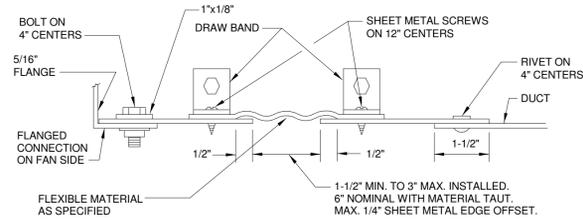
ALL SIDE TAKEOFF FITTINGS FOR AIR DEVICES TO BE EITHER CONICAL BELLMOUTH OR BOOT TYPE AS SHOWN. IN APPLICATIONS WHERE DUCT EDGE IS 1" OR LESS FROM EDGE OF FITTING FLANGE, BOOT SIDE TAKE OFF SHALL BE USED.



8 SIDE TAKE-OFF DETAILS
 M501 NOT TO SCALE



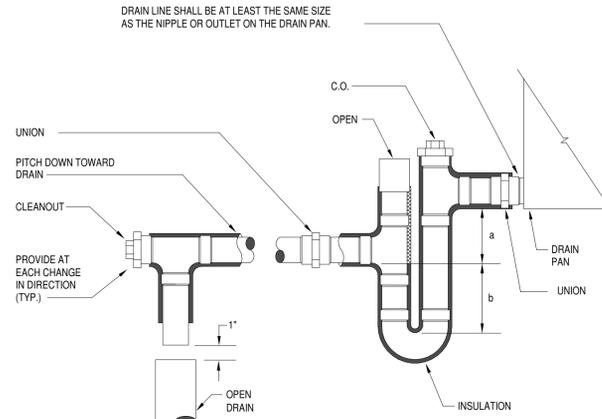
RECTANGULAR FLEXIBLE CONNECTION



ROUND FLEXIBLE CONNECTION

TO BE INSTALLED AT ALL BUILDING EXPANSION JOINTS AND ALL HVAC UNIT CONNECTIONS. CONTRACTOR IS RESPONSIBLE FOR LOCATION AND QUANTITY.

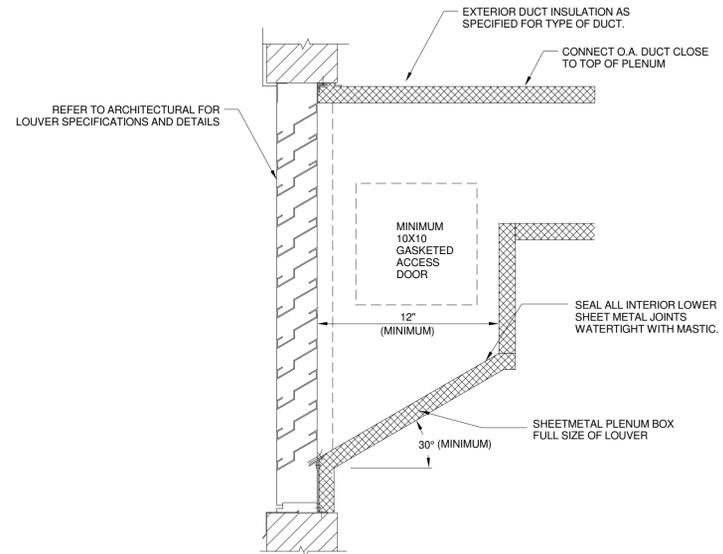
1 DUCT FLEXIBLE CONNECTION DETAILS
 M502 NOT TO SCALE



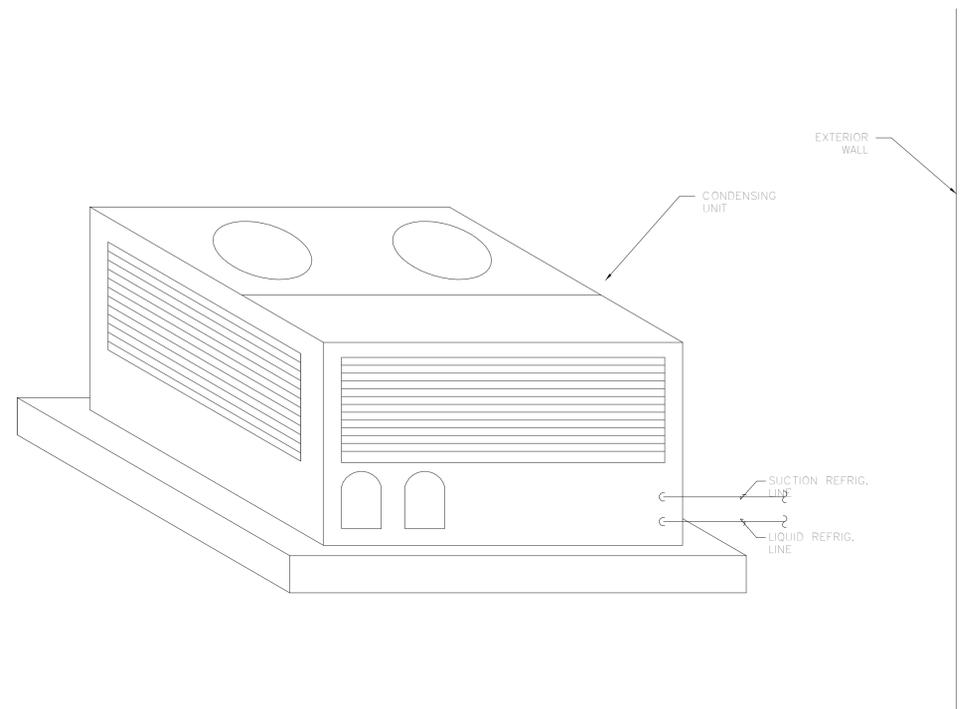
UNIT TOTAL STATIC PRESS.	a	b
0'-1"	1"	2"
1'-2"	2"	3"
2'-3"	3"	4"
3'-4"	4"	5"
4'-5"	5"	6"

- NOTES:**
1. FOR DEPTH OF SEAL SEE SCHEDULE BELOW.
 2. LOCATE TRAP SO AS TO BE ACCESSIBLE FOR CLEANING.
 3. ALL FITTING TO BE DWV.
 4. ALL CONDENSATE TO BE ROUTED TO SANITARY OR DRY-WELL AS INDICATED ON PLANS.

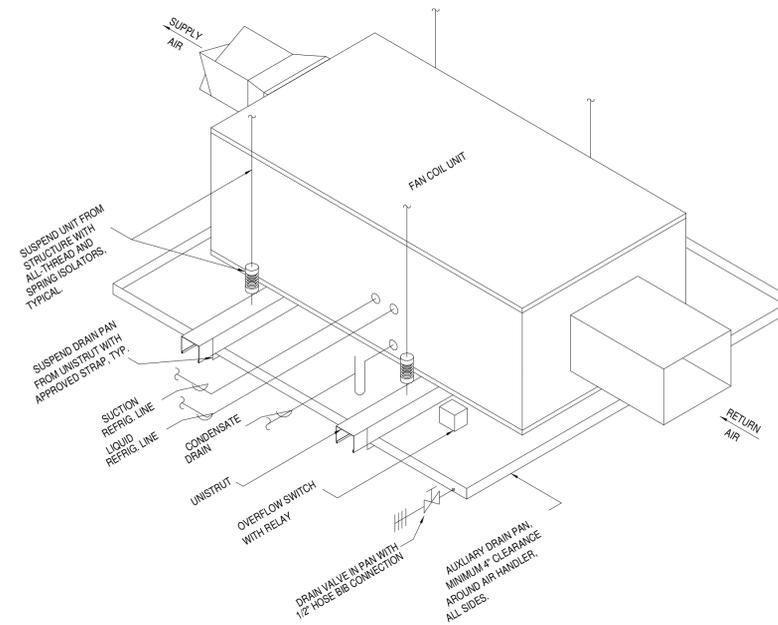
2 TYPICAL DRAIN TRAP DETAIL
 M502 NOT TO SCALE



3 LOUVER PLENUM DETAIL
 M502 NOT TO SCALE



4 TYPICAL SPLIT DX FAN COIL UNIT WITH CONDENSING UNIT
 M502 NOT TO SCALE



City of Dripping Springs
STEPHENSON SCHOOL BUILDING, REHABILITATION AND ADDITION

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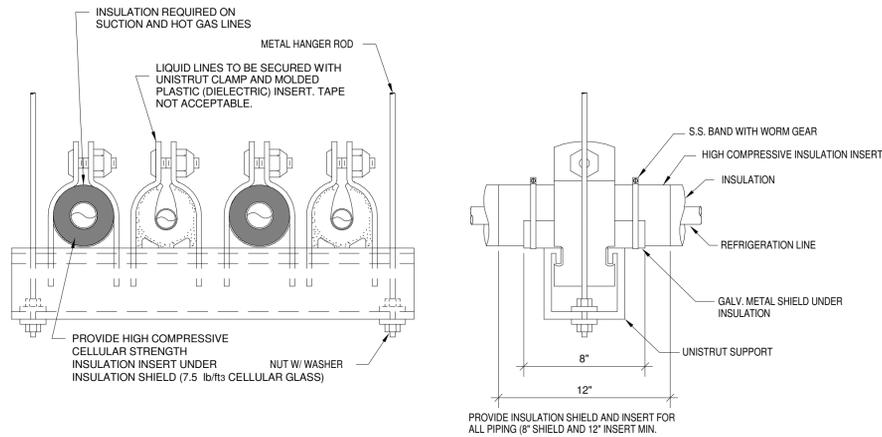
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Architexas No. 2314 Date October 11, 2023

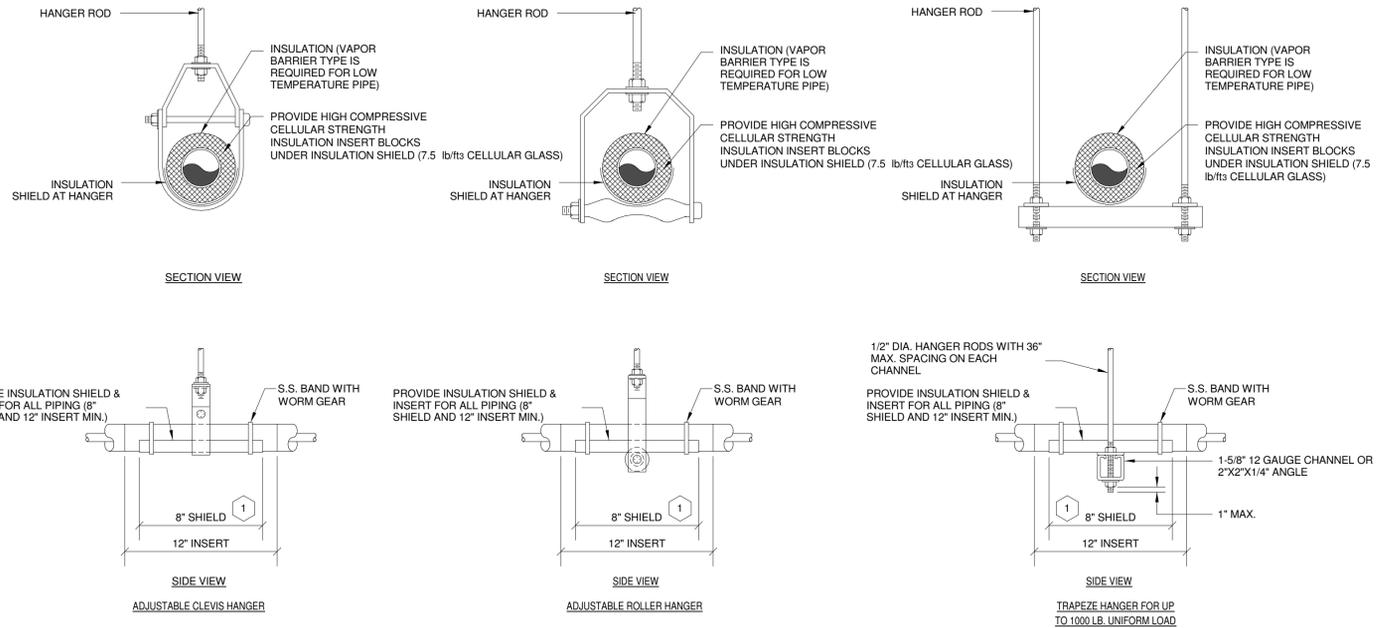
Sheet Name
MECHANICAL DETAILS

Sheet Number

M502



1 **TYPICAL HANGER DETAIL FOR MULTIPLE INSULATED REFRIGERATION LINES**
 NOT TO SCALE
 M503

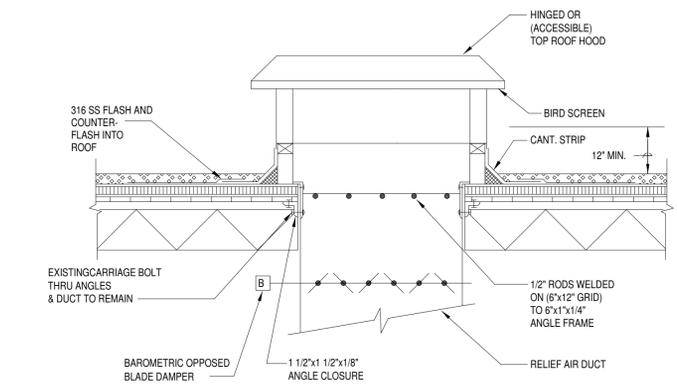


NOM. SIZE	MAXIMUM PIPE/TUBING SUPPORT SPACING, FEET																	
	THRU 3/4"	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
PIPE	7 FT	7	7	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10
TUBING	5 FT	6	7	8	8	9	10	12	13	14	16	-	-	-	-	-	-	-

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.

NOTES:
 1 COORDINATE SHIELD LENGTHS WITH PRE-INSULATED PIPE MANUFACTURER.

2 **TYPICAL PIPE HANGERS**
 NOT TO SCALE
 M503

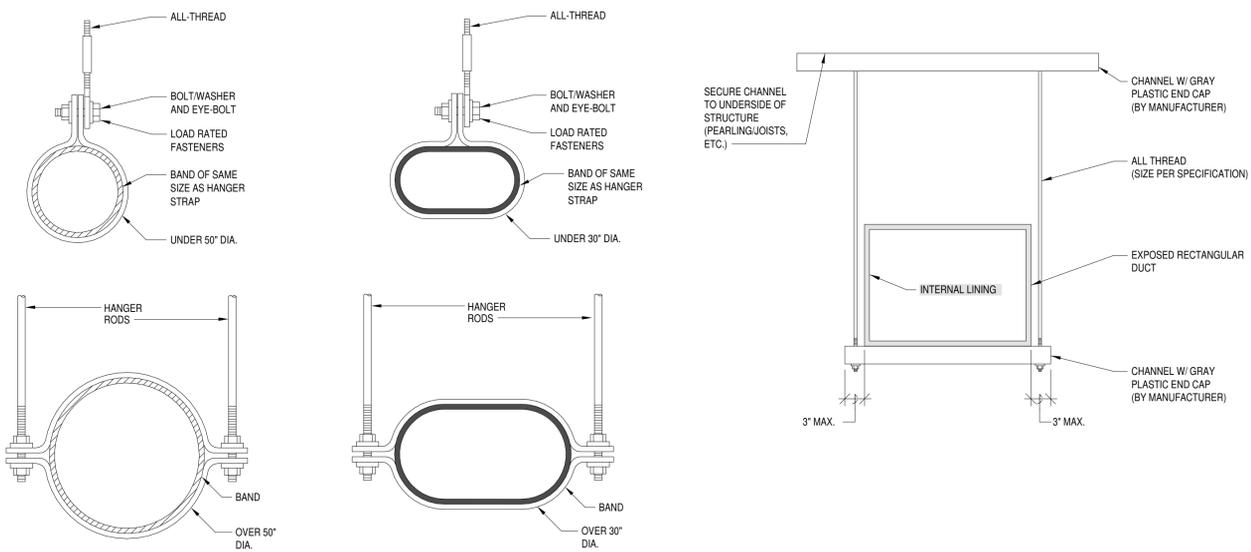


NOTE:
 LOUVERED TYPE SHOWN; OVERHUNG TYPE ARE ALSO PERMISSIBLE.

3 **ROOF HOOD AND DAMPER ASSEMBLY**
 NOT TO SCALE
 M503

MAX. DUCT DIA.	ROD	STRAP	MAX. LOAD LBS.	MAX. SPACING FT.*
10"	ONE 3/8"	ONE 3" x 22 GA.	260	12'
18"	ONE 3/8"	ONE 3" x 22 GA.	260	12'
24"	ONE 3/8"	ONE 3" x 22 GA.	260	12'
36"	ONE 3/8"	ONE 3" x 22 GA.	320	12'
50"	TWO 3/8"	TWO 3" x 20 GA.	700	8'
60"	TWO 3/8"	TWO 3" x 18 GA.	1320	8'
84"	TWO 1/2"	TWO 3" x 16 GA.	2500	8'

* MAX. SPACING TO BE MAINTAINED. CONTRACTOR TO PROVIDE ADDITIONAL STRAP SECUREMENTS TO CONCEAL DUCT JOINT CONNECTIONS/SEAMS.
NOTE:
 1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.
 2. STRAPS SHALL NOT BE USED ON EXPOSED DUCTWORK TO SECURE TO STRUCTURE. ALL-THREAD TO CONNECT TO STRAP AND EXTEND TO STRUCTURE.



4 **EXPOSED DUCT HANGER DETAIL**
 NOT TO SCALE
 M503

ELECTRICAL SYMBOLS AND ABBREVIATIONS

(SOME SYMBOLS MAY NOT BE APPLICABLE TO THIS PROJECT)

SYMBOLS

GENERAL

	MOTOR, HP AS INDICATED
	CONTROLLER TO BE FURNISHED UNDER DIVISION 15 AND INSTALLED UNDER DIVISION 16
	DISCONNECT SWITCH
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
	GROUNDING REFERENCE POINT
	JUNCTION BOX, CEILING MOUNTED
	JUNCTION BOX, WALL MOUNTED
	PHOTO CELL; WP= WEATHERPROOF AND SHALL BE INSTALLED FACING NORTH DIRECTION, UON
	RELAY
	TIME CLOCK
	CONTACTOR
	BELL
	BUZZER
	CEILING MOUNTED CLOCK
	WALL MOUNTED CLOCK; WG INDICATED WIRE GUARD
	WALL MOUNTED DOUBLE FACE CLOCK-HEIGHT AS DESIGNATED BY ARCHITECT; WG INDICATES WIRE GUARD
	HORN; WP = WEATHERPROOF
	TRANSFORMER AS INDICATED
	AUTOMATIC TRANSFER SWITCH
	EQUIPMENT CONNECTION
	KEYED NOTE NO. 2
	MECHANICAL EQUIPMENT DESIGNATION. REFER TO MECHANICAL EQUIPMENT SCHEDULES.

LUMINAIRES

	LUMINAIRE, CEILING OR WALL MOUNTED (SEE FIXTURE SCHEDULE). SUBSCRIPT INDICATES ASSOCIATED SWITCHING. CAPITAL LETTER INDICATES FIXTURE TYPE. "E" SUFFIX INDICATES BATTERY BACK-UP OR GENERATOR/UPS BACKED.
	FIXTURE CEILING MOUNTED (SEE FIXTURE SCHEDULE)
	FIXTURE WALL MOUNTED (SEE FIXTURE SCHEDULE)
	WALLWASH FIXTURE CEILING MOUNTED. ARROW INDICATES DIRECTION OF WASH.
	EXIT LIGHT, UNSWITCHED, BATTERY BACK-UP. SELF DIAGNOSTICS, CEILING MOUNTED WITH ARROWS AS INDICATED ON DRAWINGS. CONNECT TO EMERGENCY SYSTEM (IF AVAILABLE).
	EXIT LIGHT, UNSWITCHED, WALL MOUNTED, BATTERY BACK-UP. SELF DIAGNOSTICS, WITH ARROWS AS INDICATED ON DRAWINGS. CONNECT TO EMERGENCY SYSTEM (IF AVAILABLE).
	FIXTURE IS UNSWITCHED (NIGHT LIGHT). "E" SUFFIX INDICATES BATTERY BACKUP WITH DRIVER CONNECTED TO BATTERY BACKUP. FIXTURE MAY BE CONNECTED TO GENERATOR/UPS BACKUP SYSTEM.
	FIXTURE WITH ONE BALLAST CONNECTED TO EMERGENCY GENERATOR SYSTEM.
	EMERGENCY LIGHT, WALL MOUNTED, UNSWITCHED, CONNECTED TO EMERGENCY GENERATOR SYSTEM.
	POLE MOUNTED LUMINAIRE. SEE SCHEDULE OR NOTES FOR TYPE. ORIENT FIXTURE FOR CUT-OFF TOWARDS AREA TO BE LIT. ORIENT HOUSE SHIELD TOWARDS BUILDING. SEE DETAILS FOR POLE BASE. PROVIDE POLE BASE GROUND ROD.
	FLOOD LIGHT. ARROW INDICATES AIMING DIRECTION.
	TRACK LIGHT WITH HEADS AS INDICATED

RACEWAYS

	CONDUIT CONCEALED IN WALL OR CEILING WITH ONE PHASE (HOT), NEUTRAL AND GROUND CONDUCTOR UNLESS OTHERWISE NOTED
	CONDUIT UNDER FLOOR OR CAST IN STRUCTURE WITH ONE PHASE (HOT), NEUTRAL AND GROUND CONDUCTOR UNLESS OTHERWISE NOTED.
	SWITCH LEG
	BRANCH CIRCUIT HOMERUN SUBSCRIPT "P1A" INDICATES PANEL AND 2,4,6 INDICATES BREAKER POSITION. MINIMUM SIZE 3/4", 2#12 AND #12 GND. MIN.
	SURFACE RACEWAY (PANDUIT TWIN 70 OR WIREMOLD EQUIV)
	TELEPHONE
	BUS DUCT WITH TAKE OFF DEVICE

P.A. / INTERCOM

	REMOTE INTERCOM STATION
	INTERCOM MASTER STATION
	SPEAKER, CEILING MOUNTED WITH BACKBOX AND GRILLE. SEE SPECIFICATIONS.
	SPEAKER, WALL MOUNTED.
	AMPLIFIER AND ASSOCIATED TUNERS, MIXERS, ETC., AS REQUIRED. REFER TO DETAILS AND SPECIFICATIONS.
	MICROPHONE JACK
	INTERCOM CALL BOX

	PANELBOARD (SEE SCHEDULE), SURFACE MOUNTED.
	PANELBOARD (SEE SCHEDULE), FLUSH MOUNTED.
	SWITCHBOARD OR DISTRIBUTION BOARD
	MOTOR CONTROL CENTER
	TRANSIENT VOLTAGE SURGE SUPPRESSOR
	PLYWOOD TELEPHONE BACKBOARD. PROVIDE WALL MOUNTED WHITE PAINTED 4x8' PLYWOOD BACKBOARD, SURGE PROTECTION, SECONDARY GROUND, AND TWO QUAD RECEPTACLES AT THE BASE OF THE BACKBOARD.

OUTLETS

	COLOR BY ARCHITECT/OWNER SIMPLEX RECEPTACLE.
	DUPLEX RECEPTACLE, 20A, 1P, (5-20R) COLOR BY ARCHITECT/OWNER WITH COVER PLATE.
	DUPLEX RECEPTACLE; GF=GROUND FAULT INTERRUPTING, WP=WEATHERPROOF, T=TAMPER RESISTANT, IG=ORANGE ISOLATED GROUND, TV=TV RECEPTACLE WITH COMBINATION DUPLEX/RJ 45 JACK MODULAR PLATE MOUNTED 7'8" AFF. UON.
	CONTROLLED DUPLEX RECEPTACLE. DUPLEX TO HAVE TOP/BOTH RECEPTACLE(S) CONTROLLED AND INDICATED AS CONTROLLED ON THE RECEPTACLE. PROVIDE WITH A NIGHT #NFP20 PL-BP (OR EQUAL) AND CONTROL THROUGH THE LOCAL OCCUPANCY SENSOR.
	DOUBLE DUPLEX (QUADRUPLEX) RECEPTACLE, COLOR BY ARCHITECT/OWNER, WITH COVERPLATE.
	RED DUPLEX RECEPTACLE WITH COLOR BY ARCHITECT/OWNER COVERPLATE, CONNECTED TO EMERGENCY POWER BRANCH.
	RED QUAD RECEPTACLE WITH COLOR BY ARCHITECT/OWNER COVERPLATE, CONNECTED TO EMERGENCY POWER BRANCH.
	SPECIAL PURPOSE RECEPTACLE. SEE PANEL SCHEDULES AND FLOOR PLAN NOTES FOR TYPE. RECEPTACLE SHALL BE FLUSH MOUNT. PROVIDE TWO GANG BACKBOX, PLASTER RING, AND STAINLESS STEEL PLATE.
	ROUND FLUSH FLOOR BOX WITH DUPLEX POWER, AND BRASS COVER PLATE. HUBBELL B2529 WITH SF3925 COVER.
	FLOOR BOX HUBBELL CF8930CR (OR EQUIV.). PROVIDE (1) 3/4" CONDUIT FOR POWER AND (1) 1" CONDUIT FOR DATA/EQUIPMENT AND (1) 1/2" CONDUIT FOR AUDIO/VIDEO. PROVIDE TWO (2) 20A SINGLE POLE DUPLEX RECEPTACLES, AND TWO (2) TWO SPACE MODULAR RJ-45 JACK PLATES. SEE FLOOR PLANS/SPECS FOR DATA FILL AND WHETHER IT CONDUIT IS TO ABOVE ACCESSIBLE CEILING, CABLE TRAY, OR BACK TO IDF/MDF/PHONE BOARD. PROVIDE FLOOR INSERT. COORDINATE FINISH OF COVER WITH ARCHITECT OR OWNER.
	8 INCH FIRE RATED POKE-THROUGH HUBBELL #S1R8PTFIT1 (OR EQUIV.). PROVIDE 3/4" CONDUIT FOR POWER WITH TWO (2) #18RSPZ AND 1-1/2" CONDUIT FOR DATA/EQUIPMENT WITH ONE (1) #18R8CSPK AND 1-1/2" CONDUIT FOR AUDIO/VIDEO WITH ONE (1) #18R8CSPM. PROVIDE TWO (2) 20A SINGLE POLE DUPLEX RECEPTACLES, AND TWO (2) TWO SPACE MODULAR RJ-45 JACK PLATES. SEE FLOOR PLANS/SPECS FOR DATA FILL AND WHETHER IT CONDUIT IS TO ABOVE ACCESSIBLE CEILING, CABLE TRAY, OR BACK TO IDF/MDF/PHONE BOARD. PROVIDE FLOOR INSERT. COORDINATE FINISH OF COVER WITH ARCHITECT OR OWNER.
	TELEPHONE OUTLET: TWO GANG BOX, CONDUIT BUSHINGS, PLASTER RING, TWO (2) RJ-45 JACK MODULAR WALL PLATE, 1" CONDUIT TO ABOVE ACCESSIBLE CEILING AND TWO PLENUM RATED CAT6 CABLES TO TELEPHONE BACKBOARD. PROVIDE EXTRA 1/2" CABLE FOR TERMINATION AT BOARD.
	TELEVISION OUTLET: FEMALE COAX JACK, WALL PLATE, 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING, PLENUM RATED RG-59U BACK TO LOCAL (WITHIN 50 FEET) SPLITTER/TAP/CATV ENTRANCE OR PLENUM RATED RG-11U TO SPLITTER/TAP/CATV ENTRANCE IF RUN IS LONGER THAN 50 FEET.
	DATA OUTLET: TWO GANG BOX, CONDUIT BUSHINGS, PLASTER RING, TWO (2) RJ-45 JACK MODULAR WALL PLATE, 1" CONDUIT TO ABOVE ACCESSIBLE CEILING AND TWO PLENUM RATED CAT 6 CABLES TO IDF/MDF SWITCHES. PROVIDE EXTRA 1/2" CABLE FOR TERMINATION IN ROOM.
	COMBINATION DATA/POWER 2 GANG SPLIT BOX MOUNTED IN CEILING. PROVIDE 1" CONDUIT FROM BOX TO CABLE TRAY. PROVIDE 3/4" CONDUIT TO DUPLEX.

SWITCHES

	SINGLE POLE SWITCH, LOWERCASE SUBSCRIPT INDICATES NUMBER OF CONTROL ZONE WITHIN SWITCH.
	DOUBLE POLE SWITCH
	SWITCH 3 = 3-WAY, 4 = 4-WAY
	MULTIPLE SWITCHES, GANGED.
	KEY OPERATED SWITCH
	SWITCH WITH PILOT LIGHT IN HANDLE (ON LIGHTED UNLESS OTHERWISE NOTED)
	WEATHERPROOF SWITCH
	MANUAL MOTOR STARTER SWITCH (T=THERMAL OVERLOAD SIZED FOR MOTOR)
	DIMMER SWITCH WATTAGE RATING AS NOTED. LOWERCASE SUBSCRIPT INDICATES NUMBER OF CONTROL ZONE WITHIN SWITCH. LOW VOLTAGE DIMMERS TO BE LINE VOLTAGE DIMMERS TO BE IN MIN. 2 GANG BOX. PROVIDE HEAT SPACING IN BOX FOR MULTIPLE DIMMERS. PROVIDED WITH 0-10V CLASS 2 DIMMING WIRE TO POWER PACK.
	EXPLOSION PROOF SWITCH
	TIMER SWITCH
	WALL SWITCH INFRARED (LEGRAND #PW-100 OR EQUAL)
	WALL SWITCH DUAL TECHNOLOGY SENSOR WITH PUSH BUTTON OVERRIDE AND ADJUSTABLE FIELD OF VIEW (COLOR BY ARCHITECT). "OS" INDICATES DUAL MANUAL SWITCHING. "OS" DEVICE SHALL BE PROGRAMMED TO AUTO-ON, AUTO-OFF WITHIN 20 MINS (ADJ) OF ROOM BEING VACANT. "VS" DEVICE SHALL BE PROGRAMMED TO MANUAL-ON, AUTO-OFF WITHIN 20 MINS (ADJ) OF ROOM BEING VACANT.
	DIMMABLE WALL SWITCH DUAL TECHNOLOGY SENSOR WITH PUSH BUTTON OVERRIDE AND ADJUSTABLE FIELD OF VIEW (COLOR BY ARCHITECT). "OS" DEVICE SHALL BE PROGRAMMED TO AUTO-ON, AUTO-OFF WITHIN 20 MINS OF ROOM BEING VACANT. "VS" DEVICE SHALL BE PROGRAMMED TO MANUAL-ON, AUTO-OFF WITHIN 20 MINS OF ROOM BEING VACANT. PROVIDE WITH 0-10V CLASS 2 DIMMING CABLE
	LOW VOLTAGE LIGHT SWITCH COMPATIBLE WITH CEILING MOUNTED MOTION SENSOR. LV2=2 BUTTON STATION-PROVIDE W/ CAT 5e CABLES.
	2 HOUR OVERRIDE PUSHBUTTON
	CEILING MOUNTED DUAL TECHNOLOGY EXTENDED RANGE 360 DEGREE MOTION SENSOR. PC=INTERGATED PHOTOCELL; BMS= INTEGRATED AUX CONTACT. PROVIDE WITH A #PP20 POWER PACK FOR NON-DIMMING AND #PP16D POWER PACK FOR DIMMING

PANEL AND RELATED ITEMS

	FIRE ALARM CONTROL PANEL
	FIRE ALARM EXPANSION PANEL
	REMOTE FIRE ALARM ANNUCIATOR
	AUXILIARY POWER BOOSTER PANEL
	MANUAL PULL STATION 48" AFF
	SMOKE DETECTOR; DASHED INDICATES BELOW RAISED FLOOR
	SMOKE DETECTOR, DUCT MOUNTED
	TEST SWITCH
	HEAT DETECTOR
	FLOW SWITCH
	TAMPER SWITCH
	PRESSURE SWITCH
	FIRE ALARM AUDIO-VISUAL ANNUCIATOR; WP=WEATHERPROOF; MH=MINI HORN; WG=WIRE GUARD
	FIRE ALARM VISUAL ANNUCIATOR; WP=WEATHERPROOF; MH=MINI HORN; WG=WIRE GUARD
	MAGNETIC DOOR HOLDER
	FIRE FIGHTERS PHONE JACK
	MANHOLE NUMBER 1; CMH-INDICATES COMMUNICATIONS MANHOLE.
	PULLBOX OR HANDHOLE AS SPECIFIED ON DRAWINGS AND SPECIFICATIONS.
	POWER POLE
	POLE MOUNTED TRANSFORMERS
	AERIAL PRIMARY
	AERIAL SECONDARY
	AERIAL TELEPHONE; CATV = CABLE TELEVISION.
	UNDERGROUND PRIMARY
	UNDERGROUND SECONDARY
	UNDERGROUND TELEPHONE/COMMUNICATIONS
	UNDERGROUND ELECTRICAL
	SECURITY PANEL
	DOOR CONTACT
	CCTV CAMERA WITH FIXED WIDE ANGLE LENS WALL MOUNTED TO SET CAMERA 6" BELOW CEILING.
	CCTV CAMERA; PT= PAN AND TILT. Z=ZOOM LENS
	EXTERIOR CAMERA IN WEATHERPROOF ENCLOSURE WITH ANTI-FOG HEATERS.
	DOOR LOCK
	CARD READER ACCESS, PROVIDE WITH 1" CONDUIT TO PLENUM SPACE
	DURESS PUSHBUTTON
	KEYPAD
	MOLDED CASE CIRCUIT BREAKER
	DRAWOUT POWER CIRCUIT BREAKER AIR, VACUUM OR SF AS SPECIFIED
	DISCONNECT SWITCH
	FUSIBLE DISCONNECT SWITCH
	TRANSFORMER
	SHIELDED INSULATION TRANSFORMER
	VOLTMETER
	AMMETER
	VOLTMETER SELECTOR SWITCH
	AMMETER SELECTOR SWITCH
	SHUNT TRIP
	CT AND METER
	GROUND ROD

FIRE ALARM

	FIRE ALARM CONTROL PANEL
	FIRE ALARM EXPANSION PANEL
	REMOTE FIRE ALARM ANNUCIATOR
	AUXILIARY POWER BOOSTER PANEL
	MANUAL PULL STATION 48" AFF
	SMOKE DETECTOR; DASHED INDICATES BELOW RAISED FLOOR
	SMOKE DETECTOR, DUCT MOUNTED
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	FIRE ALARM VISUAL ANNUCIATOR; WP=WEATHERPROOF; MH=MINI HORN; WG=WIRE GUARD
	MAGNETIC DOOR HOLDER
	FIRE FIGHTERS PHONE JACK

SITE UTILITY

	MANHOLE NUMBER 1; CMH-INDICATES COMMUNICATIONS MANHOLE.
	PULLBOX OR HANDHOLE AS SPECIFIED ON DRAWINGS AND SPECIFICATIONS.
	POWER POLE
	POLE MOUNTED TRANSFORMERS
	TELEPHONE TERMINAL BOX
	AERIAL PRIMARY
	AERIAL SECONDARY
	AERIAL TELEPHONE; CATV = CABLE TELEVISION.
	UNDERGROUND PRIMARY
	UNDERGROUND SECONDARY
	UNDERGROUND TELEPHONE/COMMUNICATIONS
	UNDERGROUND ELECTRICAL

SECURITY

	SECURITY PANEL
	DOOR CONTACT
	CCTV CAMERA WITH FIXED WIDE ANGLE LENS WALL MOUNTED TO SET CAMERA 6" BELOW CEILING.
	CCTV CAMERA; PT= PAN AND TILT. Z=ZOOM LENS
	EXTERIOR CAMERA IN WEATHERPROOF ENCLOSURE WITH ANTI-FOG HEATERS.
	DOOR LOCK
	CARD READER ACCESS, PROVIDE WITH 1" CONDUIT TO PLENUM SPACE
	DURESS PUSHBUTTON
	KEYPAD

DISTRIBUTION

	MOLDED CASE CIRCUIT BREAKER
	DRAWOUT POWER CIRCUIT BREAKER AIR, VACUUM OR SF AS SPECIFIED
	DISCONNECT SWITCH
	FUSIBLE DISCONNECT SWITCH
	TRANSFORMER
	SHIELDED INSULATION TRANSFORMER
	VOLTMETER
	AMMETER
	VOLTMETER SELECTOR SWITCH
	AMMETER SELECTOR SWITCH
	SHUNT TRIP
	CT AND METER
	GROUND ROD

COMMISSIONING PLAN

REFER TO SPECIFICATIONS FOR PRE-COMMISSIONING AND COMMISSIONING SERVICES.

SYSTEMS TO BE COMMISSIONED ARE LIGHTING CONTROLS FOR INDOOR AND OUTDOOR LIGHTING.

REFER TO SPECIFICATION SECTIONS 019100 AND 260800 FOR ADDITIONAL REQUIREMENTS.

ABBREVIATIONS

A	AMPERE(S)	MAX	MAXIMUM
AC	ABOVE COUNTER	MCB	MAIN CIRCUIT BREAKER
A/C	AIR CONDITIONING	MCC	MOTOR CONTROL CENTER
AIC	AMPERE INTERRUPTING CAPACITY	MDP	MAIN DISTRIBUTION PANEL
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AFG	ABOVE FINISHED GRADE	MH	METAL HALIDE
AHU	AIR HANDLING UNIT	MIN	MINIMUM
AL, ALUM	ALUMINUM	MLO	MAIN LUGS ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MTD	MOUNTED
AWG	AMERICAN WIRE GAUGE	MTG	MOUNTING
BLDG	BUILDING	MV	MERCURY VAPOR
C	CONDUIT	MW	MICROWAVE
CB	CIRCUIT BREAKER	NA	NOT APPLICABLE
CCTV	CLOSED CIRCUIT TELEVISION	NC	NORMALLY CLOSED
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	NF	NONFUSIBLE
CKT	CIRCUIT	NL	NIGHT LIGHT
COND	CONDUCTOR	NO	NORMALLY OPEN
CPU	CENTRAL PROCESSING UNIT	OC	ON CENTER
CT	CURRENT TRANSFORMER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
DCP	DATA COLLECTION PANEL	OH	OVERHEAD
DIA	DIAMETER	P	POLE
DC	DISCONNECT	PA	PUBLIC ADDRESS
DIST	DISTRIBUTION	PB	PUSHBUTTON
DN	DOWN	PBX	PRIVATE BUILDING EXCHANGE
DWGS	DRAWINGS	PC	PULL CHAIN
EC	EMPTY CONDUIT	PIC	PHOTO CELL
EF	EXHAUST FAN	PDP	POWER DISTRIBUTION PANEL
EQMT	EQUIPMENT	PH, Ø	PHASE
EWG	ELECTRIC WATER COOLER	PNL	PANELBOARD
EXH	EXHAUST	PR	PAIR
EXP	EXPLOSION PROOF	PSI	POUNDS PER SQUARE INCH
EXTG	EXISTING	PWR	POWER
F/A, F.A.	FIRE ALARM	QUAD	QUAD RECEPTACLE
FLUOR	FLUORESCENT	REFR	REFRIGERATOR
FN	FULL NEUTRAL	S	SECURITY
FT	FEET, FOOT	S.C.	SPLIT CIRCUIT
GALV	GALVANIZED	SCC	STATUS COMMAND CENTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SN	SOLID NEUTRAL
GFI	GROUND FAULT INTERRUPTER	SQFT.	SQUARE FOOT
GND	GROUND	SW	SWITCH
GRD	GALVANIZED RIGID STEEL	SWBD	SWITCHBOARD
HID	HIGH INTENSITY DISCHARGE	TC	TIME CLOCK
HP	HORSEPOWER	TELE	TELEPHONE
HOA	HAND OFF AUTOMATIC	TSTAT	THERMOSTAT
HPS	HIGH PRESSURE SODIUM	TV	TELEVISION
HVAC	HEATING/VENTILATING/AIR CONDITIONING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
HZ	HERTZ	UON	UNLESS OTHERWISE NOTED
ID	INSIDE DIAMETER	UPS	UNINTERRUPTABLE POWER SUPPLY
IG	ISOLATED GROUND	V	VOLT(S)
IMC	INTERMEDIATE STEEL CONDUIT	VEND	VENDING
IN	INCHES	VP	VAPOR PROOF
INCD	INCANDESCENT	W	WIRE, WATT(S)
JB	JUNCTION BOX	WP	WEATHERPROOF
KV	KILOVOLT	XFMR	TRANSFORMER
KVA	KILOVOLT AMPERE	XPD	TRANSFONDER
KVAC	KILOVOLT AMPERE CAPACTIVE	Y	WYE
KVAR	KILOVOLT AMPERE REACTIVE	Z	IMPEDANCE
KW	KILOWATT	Δ	DELTA
KWH	KILOWATT HOUR	1P	ONE POLE
LPS	LOW PRESSURE SODIUM	2P	TWO POLE
		3P	THREE POLE

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City of Dripping Springs
STEPHENSON SCHOOL
BUILDING,
REHABILITATION AND
ADDITION

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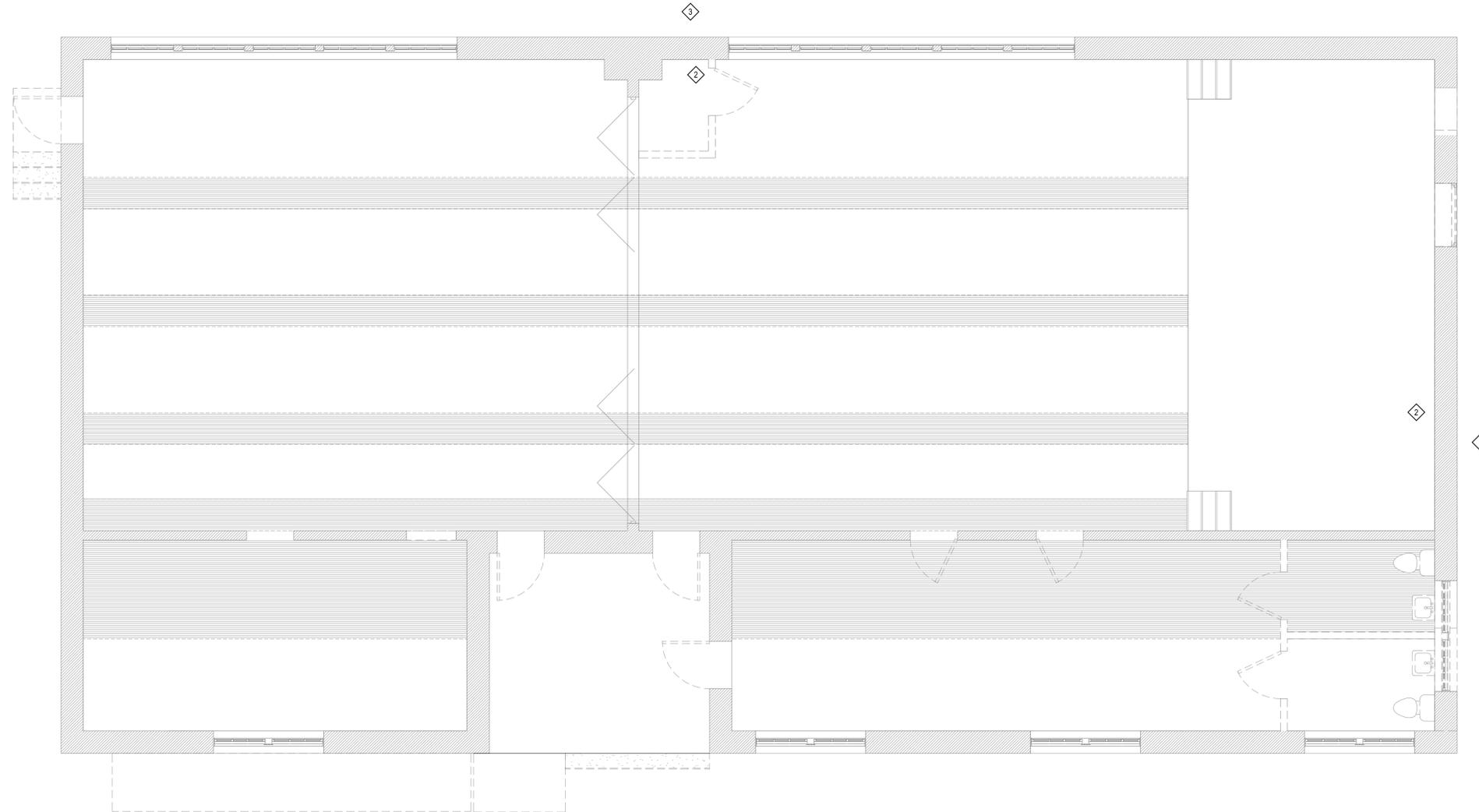
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ELECTRICAL DEMOLITION KEYED NOTES:

- 1 REMOVE EXISTING ELECTRICAL SERVICE IN ITS ENTIRETY.
- 2 REMOVE EXISTING LOAD CENTERS/PANELS AND ASSOCIATED FEEDER AND BRANCH CIRCUITS.
- 3 REMOVE EXISTING LOCAL DISCONNECT AND, METER AND LOW VOLTAGE/TELECOM PANELS.

ELECTRICAL DEMOLITION KEYED NOTES:

1. SEE OTHER SHEETS FOR ADDITIONAL DEVICES
2. GENERAL- EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN OWNER'S PROPERTY, REMOVE DEMOLISHED MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE REMOVE FROM OWNER OCCUPIED AREAS DAILY. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
3. TRACE CIRCUITS FEEDING EXISTING TO-REMAIN PORTIONS OF THE BUILDING. DO NOT DEMOLISH CIRCUITS IN THESE AREAS. IF CIRCUITS ARE IN BOTH "TO REMAIN" AND "TO BE REMOVED" AREAS, DEMOLISH BACK TO NEAREST TO-REMAIN J-BOX.
4. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. COMPLETE SELECTIVE DEMOLITION OPERATIONS ABOVE EACH FLOOR OR TIER BEFORE DISTURBING SUPPORTING MEMBERS ON THE NEXT LOWER LEVEL.
5. REMOVED AND SALVAGED ITEMS: CLEAN SALVAGED ITEMS, PACK OR CRATE ITEMS AFTER CLEANING. IDENTIFY CONTENTS OF CONTAINERS. STORE ITEMS IN A SECURE AREA UNTIL DELIVERY TO OWNER. TRANSPORT ITEMS TO OWNER'S STORAGE AREA DESIGNATED BY OWNER. PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE.
6. REMOVED AND REINSTALLED ITEMS: CLEAN AND REPAIR ITEMS TO FUNCTIONAL CONDITION ADEQUATE FOR INTENDED REUSE. PAINT EQUIPMENT TO MATCH NEW EQUIPMENT. PACK OR CRATE ITEMS AFTER CLEANING AND REPAIRING. IDENTIFY CONTENTS OF CONTAINERS. PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE. REINSTALL ITEMS IN LOCATIONS INDICATED. COMPLY WITH INSTALLATION REQUIREMENTS FOR NEW MATERIALS AND EQUIPMENT. PROVIDE CONNECTIONS, SUPPORTS, AND MISCELLANEOUS MATERIALS NECESSARY TO MAKE ITEM FUNCTIONAL FOR USE INDICATED.
7. EXISTING ITEMS TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION. WHEN PERMITTED BY ARCHITECT, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING SELECTIVE DEMOLITION AND REINSTALLED IN THEIR ORIGINAL LOCATIONS AFTER SELECTIVE DEMOLITION OPERATIONS ARE COMPLETE.
8. COORDINATE ALL DEMO ACTIVITIES WITH OWNER AND ARCHITECT AND PROVIDE 10 DAYS NOTICE FOR ANY POWER OUTAGES.



City of Dripping Springs
 STEPHENSON SCHOOL
 BUILDING,
 REHABILITATION AND
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 P.E. REG. NO. 104985
OCT 11 2023

Architexas No. 2314 Date October 11, 2023

Sheet Name
ELECTRICAL LEVEL 1 DEMOLITION PLAN

Sheet Number

ED101

1 ELECTRICAL LEVEL 1 DEMOLITION PLAN
 ED101 1/4" = 1'-0"

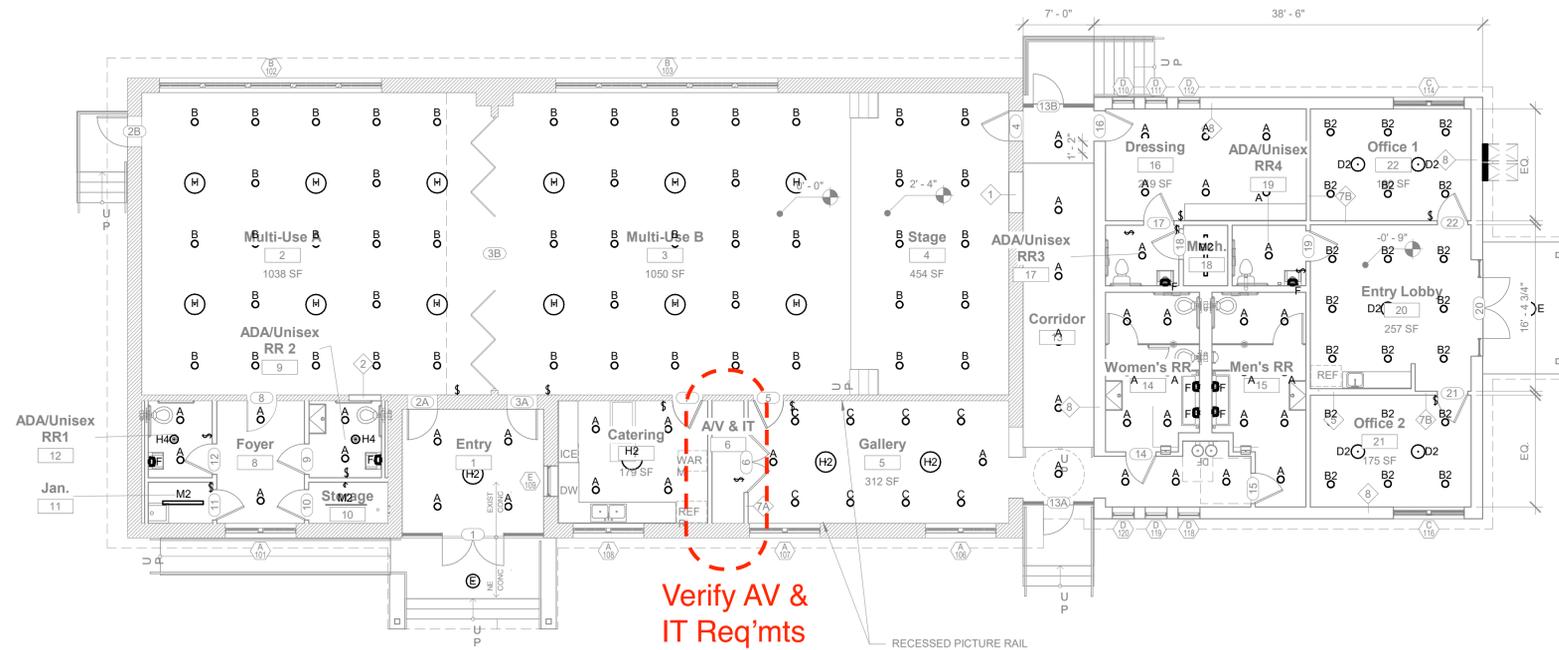


ELECTRICAL LIGHTING KEYED NOTES:

- 1 KEYED NOTE ONE.
- 2 KEYED NOTE TWO.

ELECTRICAL LIGHTING GENERAL NOTES:

1. DEVICE LOCATION GUIDELINES: LOCATE DEVICES ADJACENT TO THE DOOR FRAMES 4 INCHES TO THE EDGE OF THE DEVICES AT ADA HEIGHT GUIDELINES. CO-LOCATE SIMILAR DEVICES UNDER A COMMON FACEPLACE (EXAMPLE - MULTIPLE LIGHT SWITCHES). LOCATE ADDITIONAL DEVICES HORIZONTALLY ADJACENT TO EACH OTHER. COORDINATE SWITCH LOCATIONS IN ROOMS WITH ARCHITECT AND OTHER DEVICES (THERMOSTATS, FIRE ALARM, AND CALL BUTTONS). DO NOT STAGGER DEVICES. ONLY WHEN HORIZONTAL SPACE DOES NOT PERMIT, STACK DEVICES VERTICALLY WITH TWO INCHES BETWEEN FACEPLATES TO NO MORE THAN 12 INCHES AFF TO THE TOP OF THE FACEPLATE. COORDINATE LOCATIONS WITH ARCHITECTURAL ELEVATIONS. DEVICES SHALL BE MOUNTED AT SPECIFIC DEVICE MOUNTING HEIGHTS AS LISTED PER SPECIFICATIONS.
2. MINIMUM CIRCUIT SIZE IS 2 #12 AND 1 #12 GROUND IN 1/2" CONDUIT. MAXIMUM FIXTURE WHIP LENGTH FROM ANY J-BOX 6 FEET. LIGHTING CIRCUITS JOINTS SHALL BE MADE UP IN OVERHEAD J-BOXES SECURED TO STRUCTURE WITH LIGHTING WHIPS FROM THE J-BOXES. FIXTURES DESIGNED TO BE QUICK-CLIPPED TOGETHER SHALL BE CONNECTED AS PER MANUFACTURER.
3. COORDINATE LIGHT LOCATIONS WITH OTHER CEILING ITEMS OR JOIST ITEMS PRIOR TO INSTALLATION. LIGHT LOCATIONS TAKE PRECEDENCE OVER AIR DEVICES.
4. PROVIDE SECONDARY SUPPORT WIRES FROM ALL FOUR (4) CORNERS OF THE LAY-IN FIXTURES TO THE STRUCTURE ABOVE. DO NOT SUPPORT FIXTURES FROM CEILING GRID WIRE SUPPORTS, PIPING, CONDUIT, SIDE WALLS, OR MECHANICAL EQUIPMENT. CEILING SPECIFICATIONS DO NOT SUPERCEDE THIS REQUIREMENT.
5. HATCHED FIXTURES ARE UNSWITCHED.
6. FIXTURES WITH "E" SUFFIX HAVE BATTERY BACK-UPS.
7. FIRESTOP ALL CONDUIT PENETRATIONS IN RATED WALLS. SEE ARCHITECTURAL FOR WALL RATINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO SHEET ROCK AND REPAIR. PROVIDE FIRE RATED SLEEVES IN ALL FLOOR PENETRATIONS.
8. CONTRACTOR TO VERIFY FIXTURE VOLTAGE PRIOR TO INSTALLING ANY RELOCATED FIXTURE. COORDINATE WITH RCP FOR FIXTURE LOCATIONS.



Verify AV & IT Req'mts w/City

1 ELECTRICAL LIGHTING LEVEL 1 PLAN
E101 1/8" = 1'-0"

LIGHTING CONTROL SCHEDULE

TYPE	LIGHTING CONTROL TYPE	OCCUPANCY SENSOR MODE	DAYLIGHT SENSOR	MANUAL LIGHT CONTROL TYPE	MANUAL CONTROL BUTTON						DAYLIGHT HARVESTING	PROGRAMMING REQUIREMENTS	NOTES	
					1	2	3	4	5	6				
A	OFFICE	VACANCY	NO	3 BUTTON CONTROLLER	ON/OFF	DIM UP	DIM DOWN							
B	CORRIDORS/ PUBLIC SPACES/ RESTROOMS	OCCUPANCY	NO	NONE										
C	STORAGE/TLT	OCCUPANCY	NO	1 BUTTON	ON/OFF									
D	CATERING	VACANCY	NO	3 BUTTON	DIM UP	DIM DOWN	UC LTG ON/OFF							
F	GALLERY/MULTI-PURPOSE RM	VACANCY	NO	6 BUTTON SCENE CONTROLLER	ON/OFF	SCENE 1	DIM UP (UP LIGHT)	DIM DOWN (UP LIGHT)	DIM UP (DOWN LIGHT)	DIM DOWN (DOWN LIGHT)			PROGRAM SCENES AS FOLLOWS, UNLESS OTHERWISE NOTED: SCENE 1-ALL LIGHTS 50%;	
G	STAGE	OCCUPANCY	NO	3 BUTTON CONTROLLER	ON/OFF	DIM UP	DIM DOWN							
H	DRESSING	OCCUPANCY	NO	3 BUTTON CONTROLLER	ON/OFF	DIM UP	DIM DOWN	VANITY DIM UP	VANITY DIM DOWN				CONNECT TO OCCUPANCY SENSORS IN ADJACENT AND SURROUNDING AREAS.	

GENERAL NOTES:

1. WHERE SCHEDULE INDICATES 0% DIMMING, DIM FIXTURE TO OFF OR MINIMUM DIMMING OUTPUT OF SCHEDULED FIXTURE.
2. DAYLIGHT SENSOR SET POINTS ARE SET TO MAINTAIN FOOTCANDLES AT 10' INTO THE SPACE.
3. SET ALL OCCUPANCY SENSOR AND VACANCY SENSOR TIME-OUT DELAYS TO 30 MINUTES.
4. LIGHTING CONTROL TYPE INDICATED ON PLANS BY [X]. SEE FLOOR PLANS FOR ADDITIONAL INFORMATION.
5. WHERE CONTROL TYPE IS NOT INDICATED, PROVIDE CONTROLS AS INDICATED ON FLOOR PLANS.

2 LIGHTING CONTROL SCHEDULE
E101 1/2" = 1'-0"

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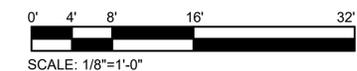
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Architexas No. 2314 Date October 11, 2023

Sheet Name
**ELECTRICAL LIGHTING LEVEL 1
PLAN**

Sheet Number



E101

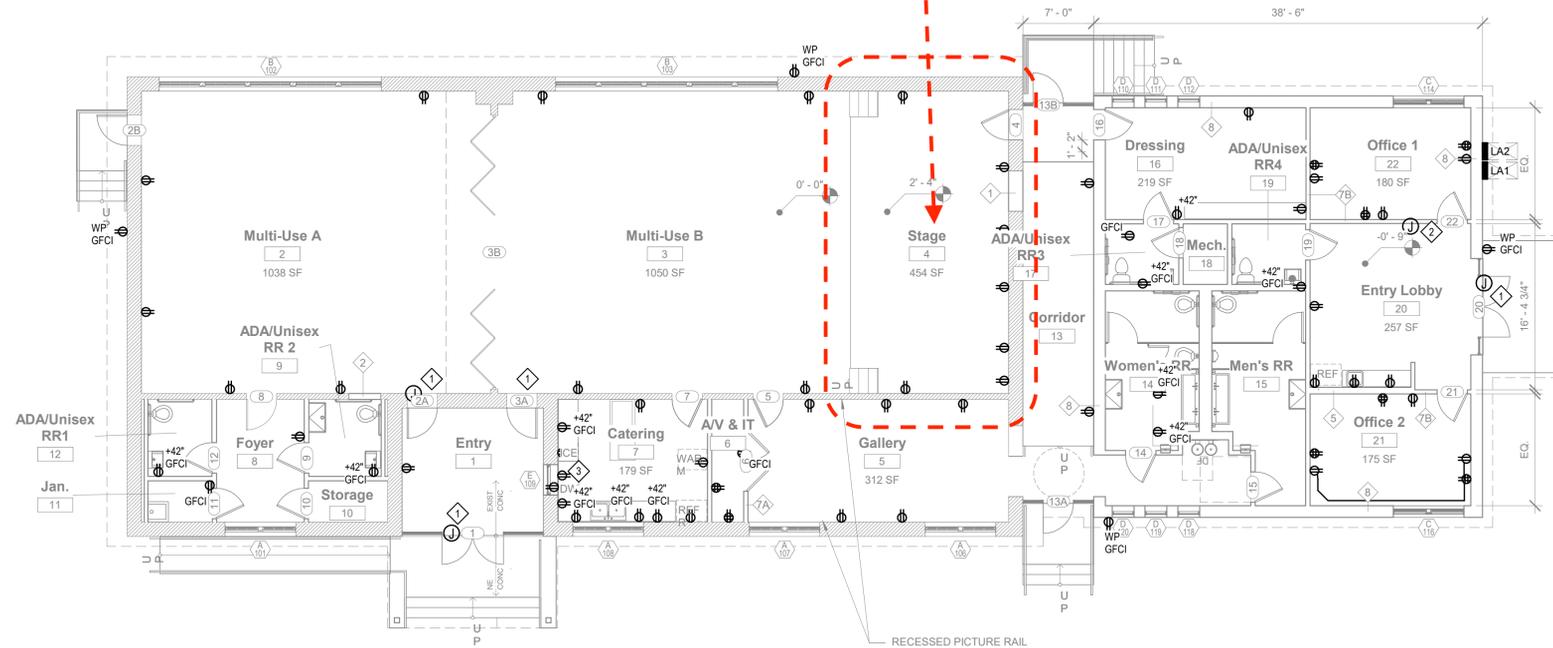
ELECTRICAL POWER KEYED NOTES:

- 1 PROVIDE POWER TO POWERED DOOR HARDWARE.
- 2 PROVIDE POWER TO FIRE ALARM PANEL WITH ANNUNCIATOR.
- 3 PROVIDE DUPLEX OUTLET BELOW COUNTER FOR POWER TO DISHWASHER. CONNECT TO SNAP SWITCH ABOVE COUNTER FOR LOCAL DISCONNECT OF DISHWASHER.

ELECTRICAL POWER GENERAL NOTES:

1. SEE ALL OTHER PLANS FOR ADDITIONAL DEVICES. SOME POWER CIRCUITING MAY BE ON OTHER PLANS. COORDINATE THE LOCATIONS OF DATA/CATV JACKS WITH THE RECEPTACLES. MOUNT ADJACENT TO EACH OTHER.
2. WHEN LOCATING SYSTEMS NEXT TO DOORS FOLLOW DEVICE LOCATION GUIDELINES. MOUNT AT ADA HEIGHT. PROVIDE MULTI-GANG BOXES FOR SIMILAR SYSTEMS. ALL DEVICE PLATES SHALL BE ORTHOGONAL WITH ADJACENT PLATES.
3. MINIMUM CIRCUIT SIZE IS 2 #12 AND 1 #12 GROUND IN 3/4" CONDUIT. ALL CONDUCTORS SHALL BE 75 DEGREE COPPER THHN INDOOR, THWN FOR EXTERIOR USAGE. COLOR CODED AS PER NEC AND LOCAL AMENDMENTS WITH SIZE, TEMPERATURE, AND VOLTAGE PERMANENTLY PRINTED ON THE JACKET. ALL JOINTS SHALL BE MADE UP USING SELF-LOCKING, TWIST-ON, COLOR CODED, SQUARE WIRE SPRING GRAB, LONG SKIRT, WIRE CONNECTORS WITH SWEEP WINGS.
4. COORDINATE RECEPTACLE LOCATIONS WITH MILLWORK AND COUNTERS. DO NOT LOCATE RECEPTACLES BEHIND DRAWERS OR HIDDEN IN MILLWORK UNLESS SPECIFICALLY DIRECTED BY OWNER/ARCHITECT. REVIEW ARCHITECTURAL ELEVATIONS PRIOR TO RECEPTACLE ROUGH-INS. SEE ARCH ELEVATIONS IN BREAKROOMS FOR APPLIANCES AND RECEPTACLE MOUNTING LOCATIONS.
5. ALL RECEPTACLES SHALL BE SPEC GRADE, MINIMUM 20 AMP RATED. GFI RECEPTACLES SHALL HAVE TEST BUTTONS WITH INDICATOR LIGHTS. EXTERIOR RECEPTACLES SHALL BE LABELED WEATHER RESISTANT WITH WP COVERS CONFORMING TO WET LOCATION CORD CONNECTION, NEC 408. MOUNT RECEPTACLES 18" AFF. 6" ABOVE BACKSPASH AT COUNTERS, 48" IN TOILET ROOMS. AT EQUIPMENT ROUGH-IN LOCATIONS FOR APPLIANCES, AND AS INDICATED FOR TV'S. PROVIDE GFI RECEPTACLES WITHIN SIX (6) FEET OF ALL SINKS, EXTERIOR RECEPTACLES, AND UNDERCOUNTER EQUIPMENT. OVERSIZED COVER PLATES ARE NOT ALLOWED. COORDINATE COLOR WITH OWNER/ARCHITECT. PROVIDE SPEC GRADE RECEPTACLES MOUNTED BEHIND WATER COOLERS WITH GFI CIRCUIT BREAKERS.
6. ALL EQUIPMENT SHALL HAVE AN INDIVIDUAL LOCAL DISCONNECTING MEANS, EITHER CORDED PLUG AND RECEPTACLE OR SWITCHED DISCONNECT. VERIFY FROM EQUIPMENT SUBMITTED OR RELOCATED IF DIRECT CONNECT OR RECEPTACLE IF DIRECT CONNECT. PROVIDE SAFETY SWITCH LOCKABLE IN THE OPEN POSITION AS PER NEC. OTHERWISE PROVIDE RECEPTACLE CORD PLUG AS REQUIRED BY EQUIPMENT SUBMITTAL.
7. ON CIRCUITS GREATER THAN 20A, FEEDING MULTIPLE PIECES OF EQUIPMENT, PROVIDE FUSED DISCONNECTS (SIZED FOR EQUIPMENT PROTECTING).
8. PROVIDE INDIVIDUAL DISCONNECTS FOR ALL SMOKE FIRE DAMPERS AND VAV'S. NO EXCEPTIONS.
9. CONTRACTOR IS RESPONSIBLE FOR UPDATING THE CIRCUITING INFORMATION OF ELECTRICAL PANELS, HVAC CONTROLS, INTERCOM SWITCH BANKS, DATA/VOICE/VIDEO CABLING, AND ANY CIRCUITED SYSTEM INDICATING THE FINAL ROOM NUMBERING AND CIRCUIT NUMBER BASED UPON THE ACTUAL INSTALLATION.
10. FIRESTOP ALL CONDUIT PENETRATIONS IN RATED WALLS. SEE ARCHITECTURAL FOR WALL RATINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO SHEET ROCK AND REPAIR.
11. PROVIDE FIRE RATED SLEEVES IN ALL FLOOR PENETRATIONS.
12. PROVIDE TAMPER PROOF RECEPTACLES FOR ALL TOILET ROOMS AND LOCKER ROOMS.

Provide Power for Stage Equip & Lighting & Sound System



1 ELECTRICAL POWER LEVEL 1 PLAN
 E201 1/8" = 1'-0"

City of Dripping Springs
STEPHENSON SCHOOL BUILDING, REHABILITATION AND ADDITION

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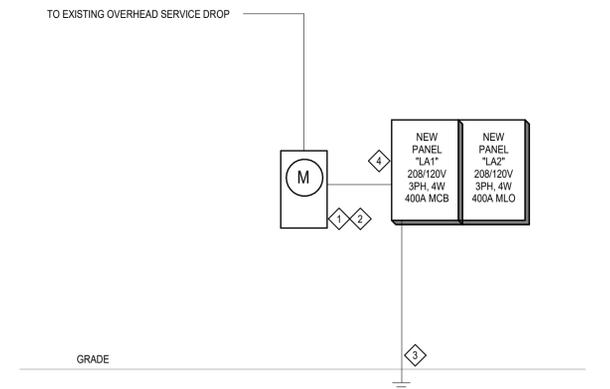
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E201

ELECTRICAL ONE LINE KEYED NOTES:

- 1 PROVIDE METER PER UTILITY PROVIDER STANDARDS.
- 2 PROVIDE NEW FEEDER WITH 4-600KCMIL, 3 1/2".
- 3 PROVIDE NEW GROUNDING ELECTRODE.
- 4 PROVIDE MAIN BONDING JUMPER INTERIOR TO NEW PANELS.



1 ELECTRICAL ONE-LINE DIAGRAM
 E301 NOT TO SCALE

City of Dripping Springs
 STEPHENSON SCHOOL
 BUILDING,
 REHABILITAION AND
 ADDITION

311 Old Fitzhugh Rd.
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Architexas No. 2314 Date October 11, 2023

Sheet Name
ELECTRICAL ONE-LINE DIAGRAMS

Sheet Number

E301

Branch... LA1		Location:		Volts: 120/208 Wye		Bus Rating: 400A		Feed Through: No				
Supply From:		Phases: 3		MCB: 400A		Neutral Rating: 100.00%						
Mounting: Surface		A.I.C. Rating: 10,000		MLO: NO								
Enclosure: NEMA 1												
Notes:												
Comments	Ckt No.	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Ckt No.	Comments
	1	RECEPTACLE	20 A	1	720 VA / 0 VA						2	
	3										4	
	5										6	
	7										8	
	9										10	
	11										12	
	13										14	
	15										16	
	17										18	
	19										20	
	21										22	
	23										24	
	25										26	
	27										28	
	29										30	
	31										32	
	33										34	
	35										36	
	37										38	
	39										40	
	41										42	
Total Load:					720 VA	0 VA	0 VA					
Total Amps:					6 A	0 A	0 A					
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals								
RECEPTACLE	720 VA	80.00%	576 VA	Total Conn. Load:	720 VA							
				Total Est. Demand:	576 VA							
				Total Conn. Current:	2 A							
				Total Est. Demand Current:	2 A							
Notes:												

Branch... LA2		Location:		Volts: 120/208 Wye		Bus Rating: 400A		Feed Through: No				
Supply From:		Phases: 3		MCB: NO MCB		Neutral Rating: 100.00%						
Mounting: Surface		A.I.C. Rating: 10,000		MLO: NO								
Enclosure: NEMA 1												
Notes:												
Comments	Ckt No.	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	Ckt No.	Comments
	1										2	
	3										4	
	5										6	
	7										8	
	9										10	
	11										12	
	13										14	
	15										16	
	17										18	
	19										20	
	21										22	
	23										24	
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	27										28	
	29										30	
	31										32	
	33										34	
	35										36	
	37										38	
	39										40	
	41										42	
Total Load:					0 VA	0 VA	0 VA					
Total Amps:					0 A	0 A	0 A					
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals								
				Total Conn. Load:	0 VA							
				Total Est. Demand:	0 VA							
				Total Conn. Current:	0 A							
				Total Est. Demand Current:	0 A							
Notes:												

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Sheet Name
ELECTRICAL PANEL SCHEDULE

Sheet Number

E401

SYMBOLS LEGEND

(FIRE SENSING, EXTINGUISHING, ALARM, CONTROL, AND INDICATING EQUIPMENT)

	FIRE CONTROL PANEL		"RFP" INDICATED A DEVICE LOCATED IN THE RAISED FLOOR PLENUM, OR INDICATING AN ALARM FROM A DEVICE LOCATED IN THE RAISED FLOOR PLENUM.
	GRAPHIC ANNUNCIATOR PANEL		HSSD ALARM BELL, LABELED "HSSD"
	HIGH-SENSITIVITY SMOKE DETECTION PANEL		BUILDING ALARM (INCLUDES FIRE SPRINKLER SYSTEM ALARMS) MULTI-SIGNAL SYNCHRONIZED HORN/STROBE LABELED "FIRE" (WITH CANDELA AND DBA RATINGS).
	CLEAN AGENT PURGE PANEL		CLEAN AGENT ALARM (INCLUDES PREACTION FIRE SPRINKLER MULTI-SIGNAL SYNCHRONIZED HORN/STROBE LABELED "AGENT" (WITH CANDELA AND DBA RATINGS).
	PHOTOELECTRIC SMOKE DETECTOR		QUICK-CLOSING DUCT DAMPER / ACTUATOR
	IONIZATION SMOKE DETECTOR		CLEAN AGENT STORAGE CONTAINER WITH RISER TO ABOVE CEILING
	PHOTOELECTRIC DUCT/HVAC EQUIPMENT - MOUNTED SMOKE DETECTOR		CLEAN AGENT STORAGE CONTAINER WITH DISCHARGE HEADS
	HEAT DETECTOR (RATE OF RISE)		FIRE SPRINKLER (WET/DRY) SYSTEM ALARM VALVE ASSEMBLY
	SHUTDOWN RELAY		FIRE SPRINKLER PREACTION SYSTEM ALARM VALVE ASSEMBLY (WITH RELEASE CONTROL PANEL)
	BUILDING FIRE ALARM MANUAL PULL STATION		TAMPER SWITCH
	CLEAN AGENT MANUAL RELEASE WITH ABORT SWITCH AND COUNTDOWN TIMER		FLOW SWITCH
	BUILDING ALARM STROBE LIGHT - LABELED "FIRE" (WITH CANDELA RATING).		PRESSURE SWITCH
	CLEAN AGENT STROBE LIGHT - LABELED "AGENT" (WITH CANDELA RATING).		DOOR LOCK
	HSSD (SAMPLING TUBE) DETECTOR		CLEAN AGENT DISCHARGE HEAD (CEILING TYPE) (NUMBER "2" INDICATES HIGH-LOW DROP)
	CLEAN AGENT ROOM MANUAL RELEASE		WATER DETECTION ALARM PANEL
	CLEAN AGENT ABORT SWITCH		ALARM BELL

FIRE PROTECTION GENERAL NOTES

- ENTIRE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC WET PIPE SPRINKLER SYSTEM DESIGNED AND INSTALLED IN COMPLIANCE WITH THE LATEST EDITION OF NFPA.
- SPRINKLER COVERAGE DENSITY SHALL BE HYDRAULICALLY CALCULATED FOR LIGHT HAZARD DENSITY, EXCEPT WHERE OTHERWISE INDICATED AND/OR REQUIRED BY NFPA 13.
- ALL NEW SPRINKLER HEADS IN FINISHED AREAS SHALL BE SEMI-RECESSED HEADS.
- IN ROOMS WITH 1'4" IN 2'4" CEILING TILES, SPRINKLER HEADS SHALL BE CENTERED IN SHORT DIMENSION AND AT 1/4, 1/2, OR 3/4 OF THE LONG DIMENSION. IN ROOMS WITH 2'2" CEILING TILES, SPRINKLER HEADS SHALL BE CENTERED IN BOTH DIMENSIONS.
- ALL RECOMMENDATIONS IN NFPA 13 (INDICATED AS SHOULD) SHALL BE CONSIDERED AS MANDATORY ("SHALL").
- THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES (MECHANICAL, ELECTRICAL, ETC.) AND SHALL PERFORM ANY MODIFICATIONS NECESSARY TO ACCOMMODATE THEIR WORK AT NO ADDITIONAL COST TO THE OWNER.
- ALL PIPING 2 1/2" AND SMALLER SHALL BE NFPA 13 APPROVED SCHEDULE 40 STEEL, THREADED (NOT MECHANICAL JOINT); REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

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Architexas No. 2314 Date October 11, 2023

Sheet Name
 FIRE PROTECTION LEGENDS
 AND DETAILS

Sheet Number

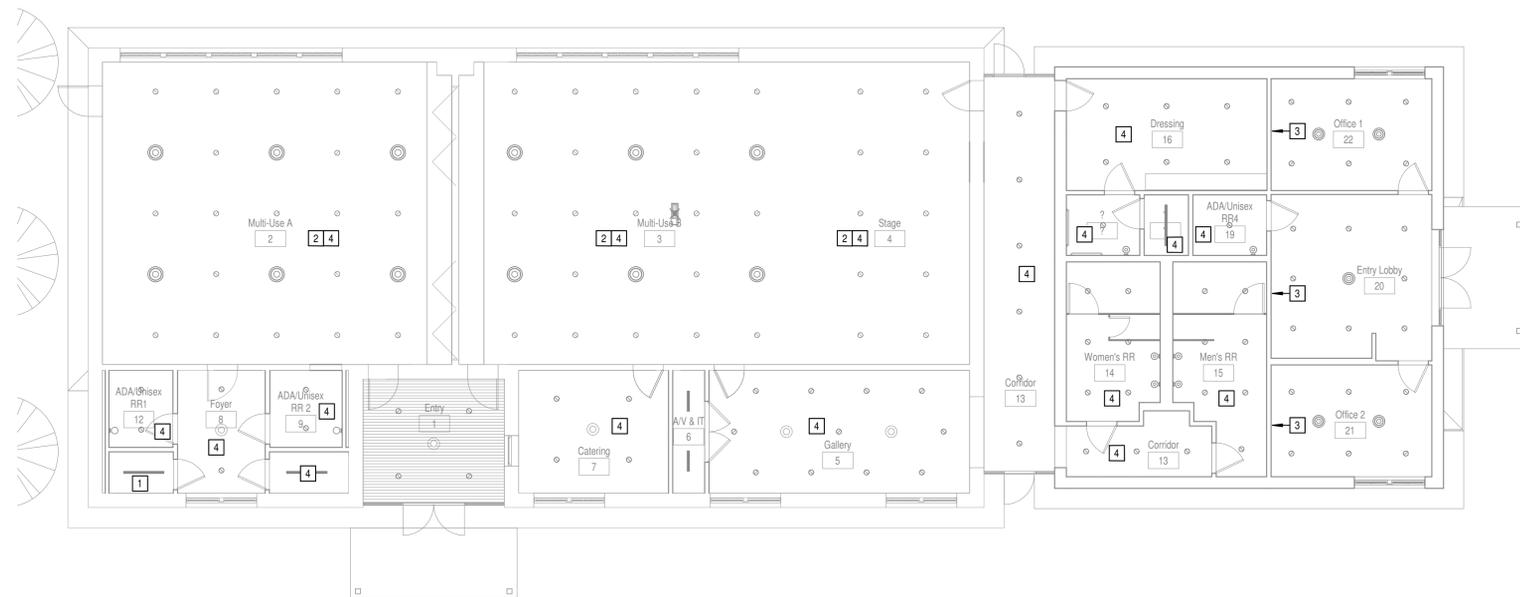
FP001

FIRE PROTECTION GENERAL NOTES:

1. NEW FIRE SPRINKLER SYSTEM. WORK SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF NFPA 13 AND 14.
2. ALL OFFICE TYPE OCCUPANCIES TO BE CONSIDERED LIGHT HAZARD UNLESS OTHERWISE NOTED.
3. NEW SPRINKLER HEADS IN FINISHED AREAS SHALL BE SEMI-RECESSED HEADS.
4. ALL RECOMMENDATIONS IN NFPA 13 (INDICATED AS SHOULD) SHALL BE CONSIDERED AS MANDATORY ("SHALL").
5. THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL THE OTHER TRADES (MECHANICAL, ELECTRICAL, ETC.) AND SHALL PERFORM ANY MODIFICATIONS NECESSARY TO ACCOMMODATE THEIR WORK AT NO ADDITIONAL COST TO THE OWNER.
6. ALL PIPING 2 1/2" AND SMALLER SHALL BE NFPA 13 APPROVED SCHEDULE 40 STEEL, THREADED (NOT MECHANICAL JOINT); REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FIRE PROTECTION KEYED NOTES:

- 1 FIRE WATER ASSEMBLY.
- 2 PROVIDE UPRIGHT PENDANT SPRINKLER HEADS ABOVE CEILING.
- 3 PROVIDE SIDE WALL SPRINKLER HEADS.
- 4 PRVIDE SEMI-RECESSED SPRINKLER HEADS.



1 FIRE PROTECTION LEVEL 1 PLAN
FP101 1/8" = 1'-0"

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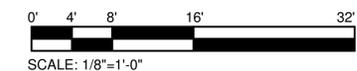
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Sheet Name
**FIRE PROTECTION FLOOR
PLAN**

Sheet Number

FP101



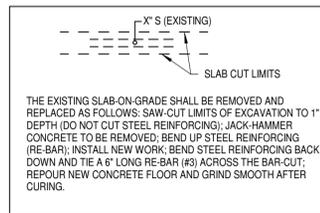
PLUMBING SYMBOLS AND ABBREVIATIONS

NOTE: SELDOM ARE ALL SYMBOLS AND ABBREVIATIONS USED IN THE DRAWINGS; REFERENCE ONLY THOSE THAT ARE APPLICABLE.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GAS COCK OR PLUG VALVE		YARD CLEANOUT OR CLEANOUT TO GRADE		COLD WATER PIPING		WASTE PIPING (ACID RESISTANT)	ABV	ABOVE	HB	HOSE BIBB		
	PRESSURE RELIEF VALVE		VALVE IN RISER (TYPE AS SPEC'D OR NOTED)		HOT WATER PIPING		VENT PIPING (ACID RESISTANT)	AC	ABOVE CEILING	HC	HANDICAPPED		
	TEMPERATURE AND PRESSURE RELIEF VALVE		PLUMBING FIXTURES		HOT WATER RETURN PIPING		FIRE PROTECTION PIPING	AD	ACCESS DOOR	HD	HUB DRAIN		
	VACUUM BREAKER		NOTES (NEW CONSTRUCTION)		VENT PIPING		AUTOMATIC SPRINKLER	ADA	AMERICANS WITH DISABILITIES ACT	HTR	HEATER		
	FLOW SWITCH		DEMOLITION NOTES		120° HOT WATER PIPING		SOFT WATER PIPING	ADJUST	ADJUSTABLE	H.W.B.F.	HOT WATER PIPING BELOW FLOOR		
	FLOOR DRAIN, (TYPE)		EQUIPMENT IDENTIFICATION		140° HOT WATER PIPING		DEIONIZED WATER PIPING	AFF	ABOVE FINISHED FLOOR	H.W.O.H.	HOT WATER PIPING OVERHEAD		
	FLOOR SINK, (TYPE)		PLUMBING FIXTURE AND EQUIPMENT MARK		120° HOT WATER RETURN PIPING		GREASE WASTE PIPING	AFG	ABOVE FINISHED GRADE	INV	INVERT		
	PRESSURE SWITCH		PLUMBING RISER		140° HOT WATER RETURN PIPING		GREASE VENT PIPING	AP	ACCESS PANEL	IN	INCHES		
	GATE VALVE		GAS METER		COMPRESSED AIR PIPING		TRAP-PRIMER PIPING (1/2" COPPER)	ASSY	ASSEMBLY	MAX	MAXIMUM		
	TAMPER SWITCH		UNION (FLANGED)		MEDICAL AIR PIPING		PUMPED DRAIN PIPING	AV	AIR VENT	MECH	MECHANICAL		
	O.S.&Y VALVE		CLEANOUT PLUG		MEDICAL VACUUM PIPING		TEMPERED WATER PIPING	AVTR	ACID VENT THRU ROOF	MIN	MINIMUM		
	BUTTERFLY VALVE		FLOOR CLEANOUT		MEDICAL OXYGEN PIPING		SANITARY SEWER PIPING (WASTE)	BF	BELOW FLOOR	MTD	MOUNTED		
	SOLENOID VALVE		CONNECT TO EXISTING (PROVIDE AND INSTALL ALL NECESSARY TRANSITION FITTINGS)		MED NITROGEN PIPING		DRAIN PIPING	BV	BALL VALVE	NC	NORMALLY CLOSED		
	POST INDICATOR VALVE		DETAIL REFERENCE NUMBER ON SHEET		WASTE ANESTHETIC GAS DISPOSAL PIPING		DRAIN VENT PIPING	CI	CAST IRON	NIC	NOT IN CONTRACT		
	SWING CHECK VALVE		SHEET NUMBER		COMBUSTION AIR EXHAUST		NATURAL GAS PIPING	CLG	CEILING	NO	NORMALLY OPEN		
	NON-SLAM CHECK VALVE		PRIMARY ROOF DRAIN (OUTLET SIZE)		COMBUSTION AIR INTAKE		NATURAL GAS PIPING (MED PRESS)	CO	CLEANOUT	NTS	NOT TO SCALE		
	BALL VALVE		SECONDARY (EMERGENCY OVERFLOW DRAIN) ROOF DRAIN (OUTLET SIZE)				ROOF DRAIN PIPING (PRIMARY SYSTEM)	CONG	CONCRETE	OPD	OVERFLOW ROOF DRAIN		
	PIPE RISE (R) OR DROP (D)						ROOF DRAIN PIPING (SECONDARY "EMERGENCY OVERFLOW DRAIN" SYSTEM)	COND	CONDENSATE	OH	OVERHEAD		
	FLOW - IN DIRECTION OF ARROW						SITE STORM DRAIN PIPING	CONNX	CONNECTION	PA	PIPE ANCHOR		
	CAP ON END OF PIPE							CONT	CONTINUATION	PD	PRESSURE DROP		
	CONCENTRIC REDUCER							C.W.B.F.	COLD WATER PIPING BELOW FLOOR	PLBG	PLUMBING		

PLUMBING GENERAL NOTES (APPLY TO ALL SHEETS):

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES PERTAINING TO THE WORK DESCRIBED IN THESE DRAWINGS SHALL CONFORM TO THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
2. CONTRACTORS SHALL OBTAIN AND MAKE PROVISION FOR ALL PERMITS, INSPECTIONS, AND TESTS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
3. CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ACTUAL CONDITIONS AT THE SITE AND NOTING ALL DISCREPANCIES TO THE OWNER PRIOR TO WORK COMMENCEMENT; THEREAFTER, THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ALL EXISTING CONDITIONS AND SHALL BE SOLELY RESPONSIBLE FOR MAKING ALL SUITABLE ADJUSTMENTS NECESSARY TO ACCOMMODATE NEW WORK AT NO ADDITIONAL COST TO THE OWNER. ANY SUCH ADJUSTMENTS SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT.
4. CONTRACTORS SHALL INCORPORATE ALL DISCREPANCIES AND ADJUSTMENTS INTO THE CONSTRUCTION DOCUMENTS.
5. CONTRACTORS SHALL COORDINATE ALL WORK WITH OTHER TRADES AND INCLUDE ALL NECESSARY MODIFICATIONS TO ACCOMMODATE THEIR WORK.
6. CONTRACTORS SHALL COORDINATE ALL WORK WITH THE OWNER.
7. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR FROM THE DATE OF INSTALLATION.
8. CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF THEIR EMPLOYEES AND SUBCONTRACTORS AND ALL OTHER PERSONS IN THE AREAS OF CONSTRUCTION. CONTRACTORS SHALL ALSO BE RESPONSIBLE FOR THE SAFETY OF ALL PROPERTY BEING ERECTED.
9. PLUMBING SERVICES THAT INTERFERE WITH ANY NEW ARCHITECTURAL WORK SHALL BE RELOCATED AS NECESSARY.



NOTE: EXISTING PIPING, FITTINGS AND EQUIPMENT WILL BE INDICATED WITH A LIGHTER LINE WEIGHT THAN NEW WORK.

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OCT. 11, 2023

Architexas No. 2314
Date October 11, 2023
Sheet Name
PLUMBING SYMBOLS & ABBREVIATIONS
Sheet Number

P000

PLUMBING KEYED NOTES:

- ① EXISTING WATER LINE TO BE REMOVED BACK TO MAIN. REFER TO CIVIL FOR CONTINUATION.
- ② EXISTING SANITARY WASTE TO REMAIN AND CONNECTED INTO DURING RENOVATION PHASE.
- ③ EXISTING OUTSIDE DRINKING FOUNTAIN TO BE REMOVED. REMOVE EXISTING WATER LINE CONNECTION BACK TO MAIN AND CAP.

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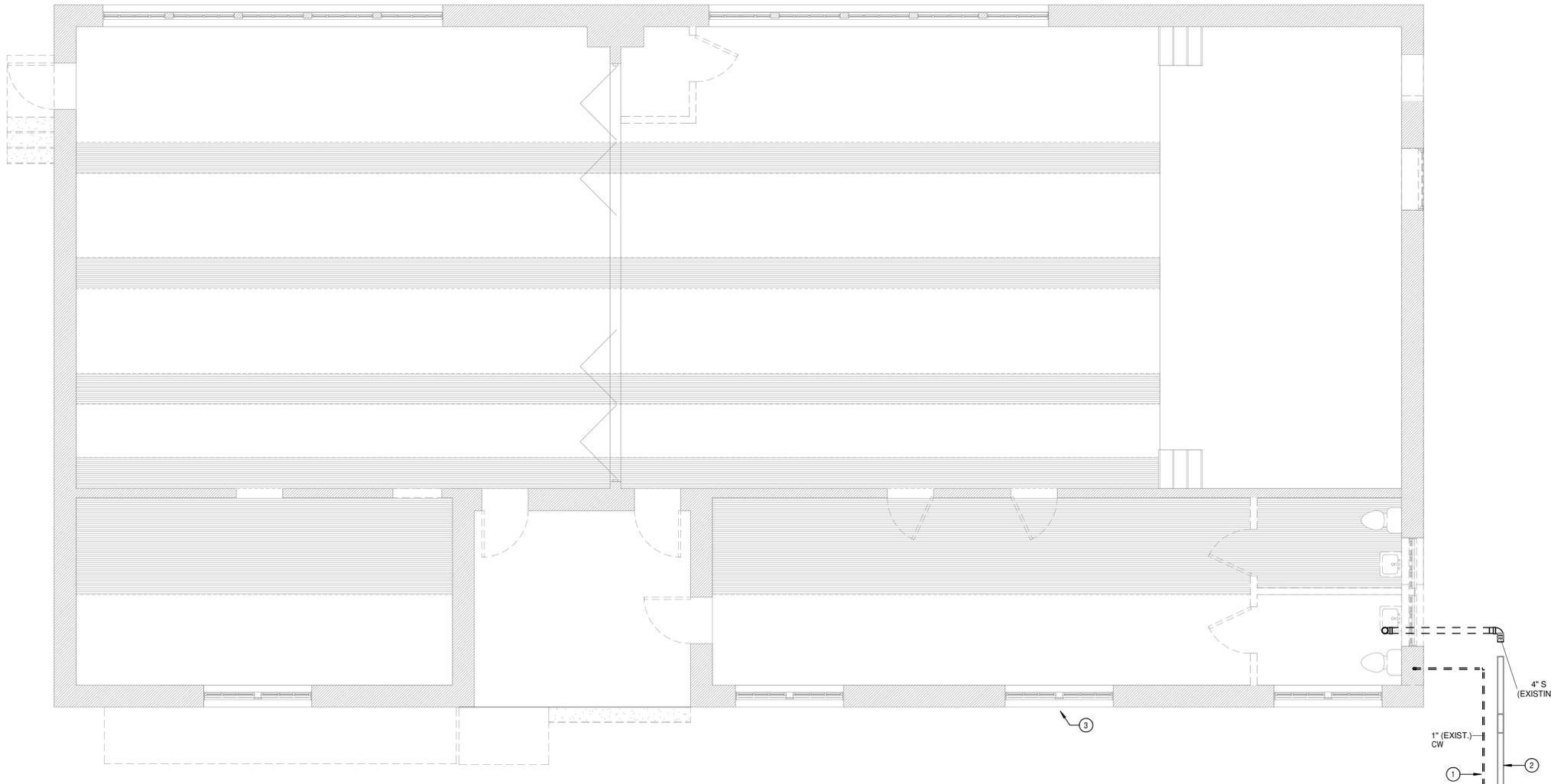
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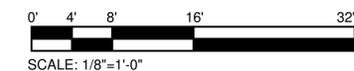
Sheet Name
PLUMBING UNDERFLOOR DEMOLITION PLAN

Sheet Number

PD100



1 PLUMBING UNDERFLOOR DEMOLITION PLAN
 PD100 1/4" = 1'-0"



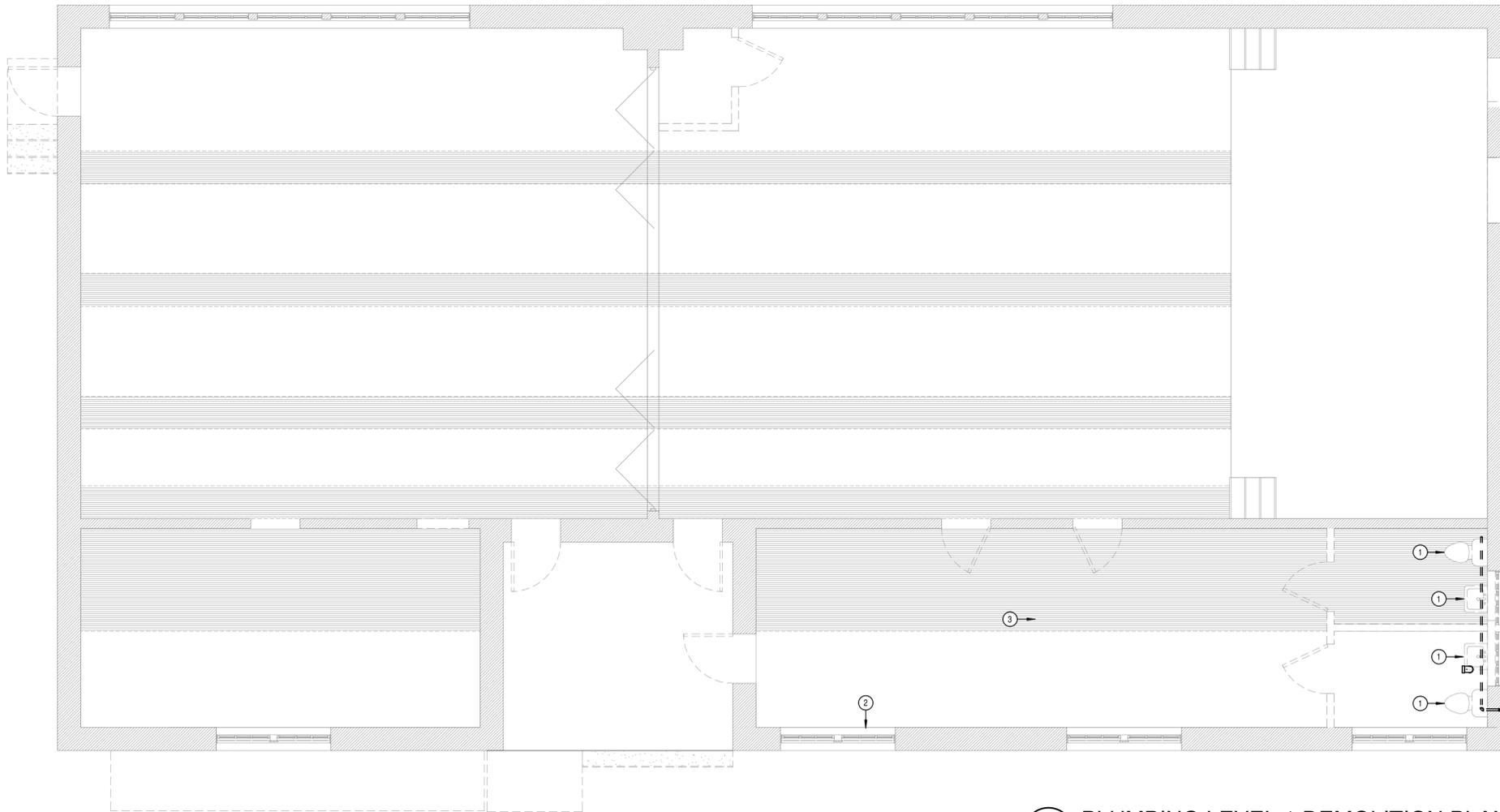
PLUMBING KEYED NOTES:

- ① EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED TO DEMOLISHED.
- ② DEMOLISH EXISTING PIPE BACK TO MAIN.
- ③ DEMOLISH EXISTING FLOOR CLEANOUT BACK TO MAIN.

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1 PLUMBING LEVEL 1 DEMOLITION PLAN
PD101 1/4" = 1'-0"

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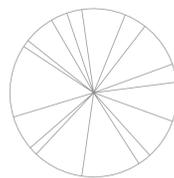
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Sheet Name
**PLUMBING LEVEL 1
DEMOLITION PLAN**

Sheet Number

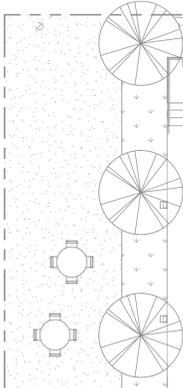
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NEIGHBOR BLDG
NIC

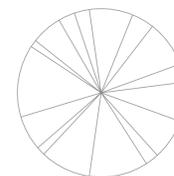


NEIGHBOR
BLDG
NIC



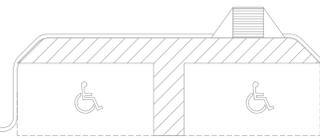
STEPHENSON SCHOOL BUILDING

ADDITION

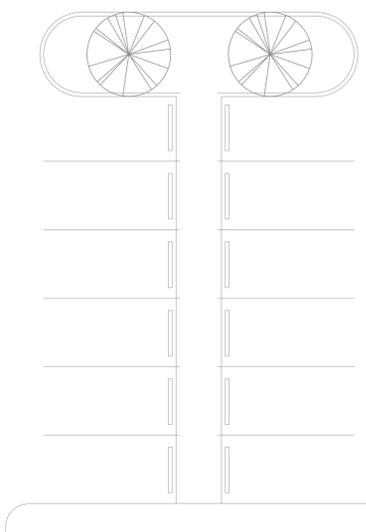


4" S
(EXISTING)

2 1/2" CW



MASONIC LODGE
NIC



PLUMBING KEYED NOTES:

- ① KEYED NOTE ONE.
- ② KEYED NOTE TWO.

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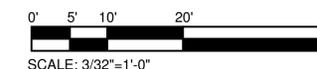
Architexas No. 2314 Date October 11, 2023

Sheet Name
PLUMBING SITE PLAN

Sheet Number

P002

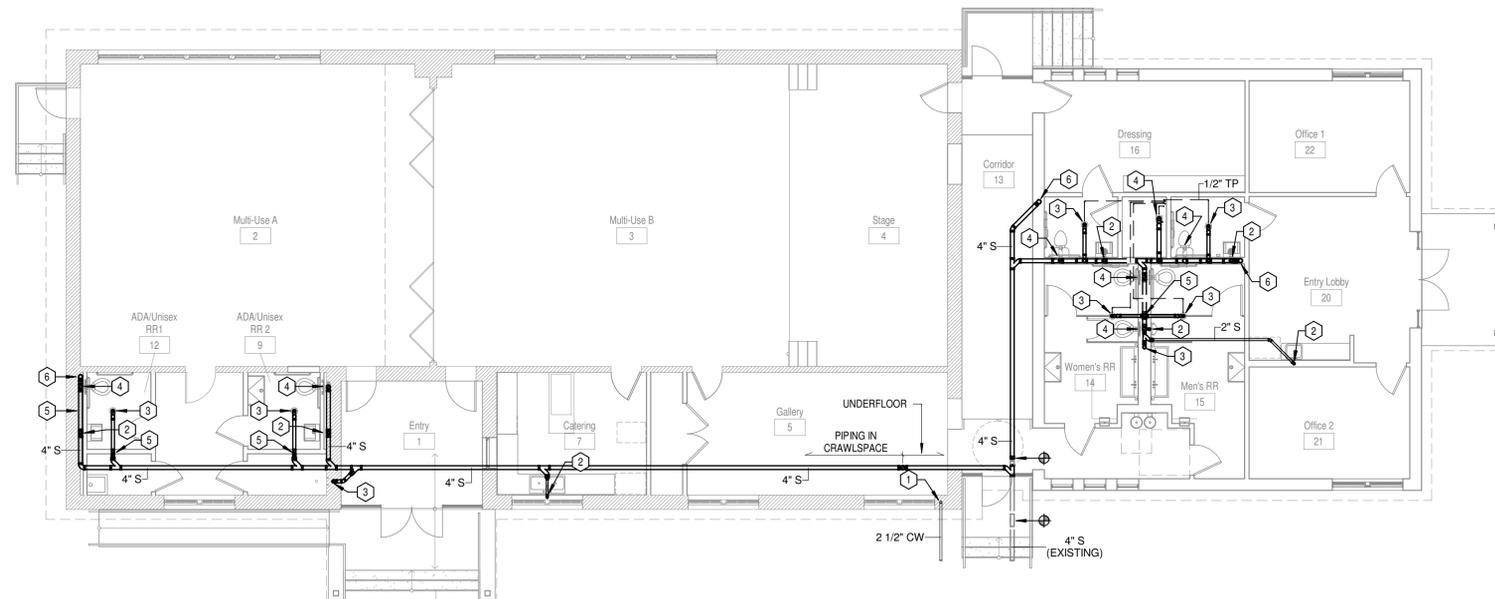
1 PLUMBING SITE PLAN
P002 3/32" = 1'-0"



10/9/2023 4:23:08 PM

PLUMBING KEYED NOTES:

- ① 2 1/2" CW UP.
- ② 2" SAN FROM ABOVE.
- ③ 3" SAN FROM ABOVE.
- ④ 4" SAN FROM ABOVE.
- ⑤ 2" VENT UP.
- ⑥ UP TO WCO.



1 PLUMBING UNDERFLOOR PLAN
 P100 1/8" = 1'-0"

City of Dripping Springs
STEPHENSON SCHOOL BUILDING, REHABILITATION AND ADDITION

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Sheet Name **PLUMBING UNDERFLOOR PLAN**

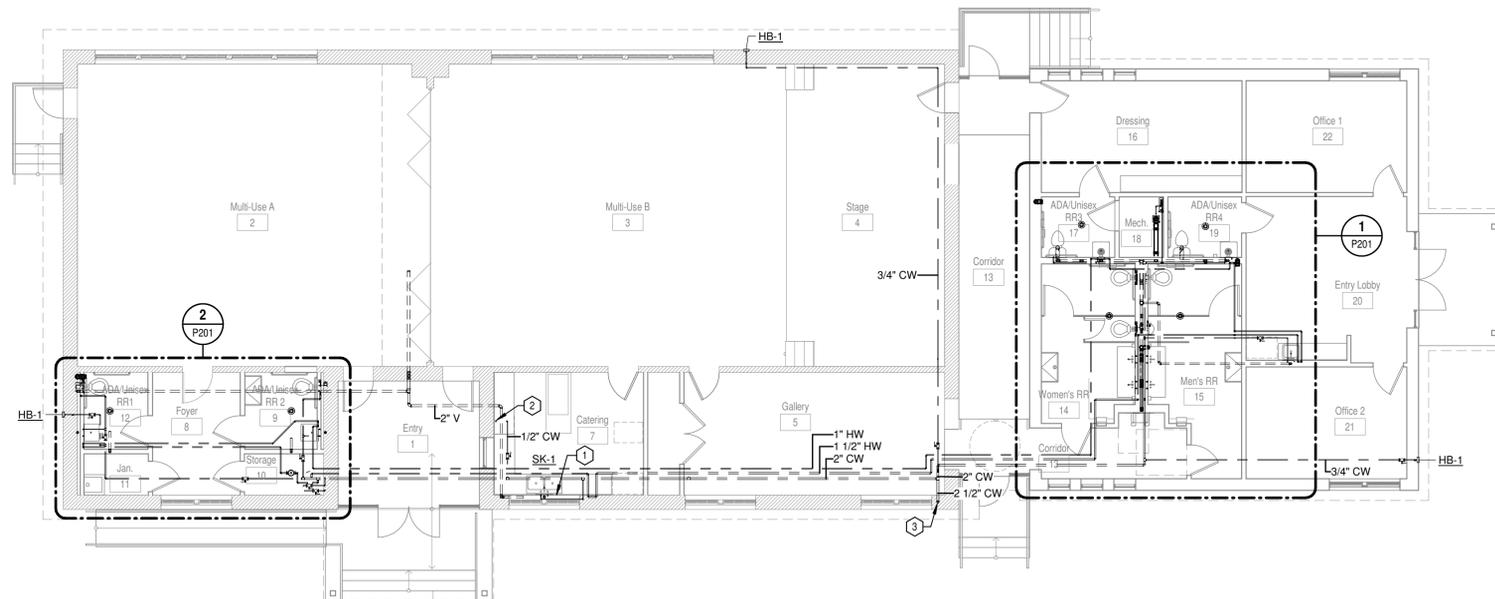
Sheet Number

P100



PLUMBING KEYED NOTES:

- ① 1/2" CW & HW DOWN IN WALL. 2" SAN AND 2" VENT.
- ② 1/2" CW DOWN TO ICE MAKER.
- ③ 2 1/2" CW FROM BELOW.



1 PLUMBING LEVEL 1 PLAN
 P101 1/8" = 1'-0"

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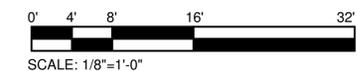
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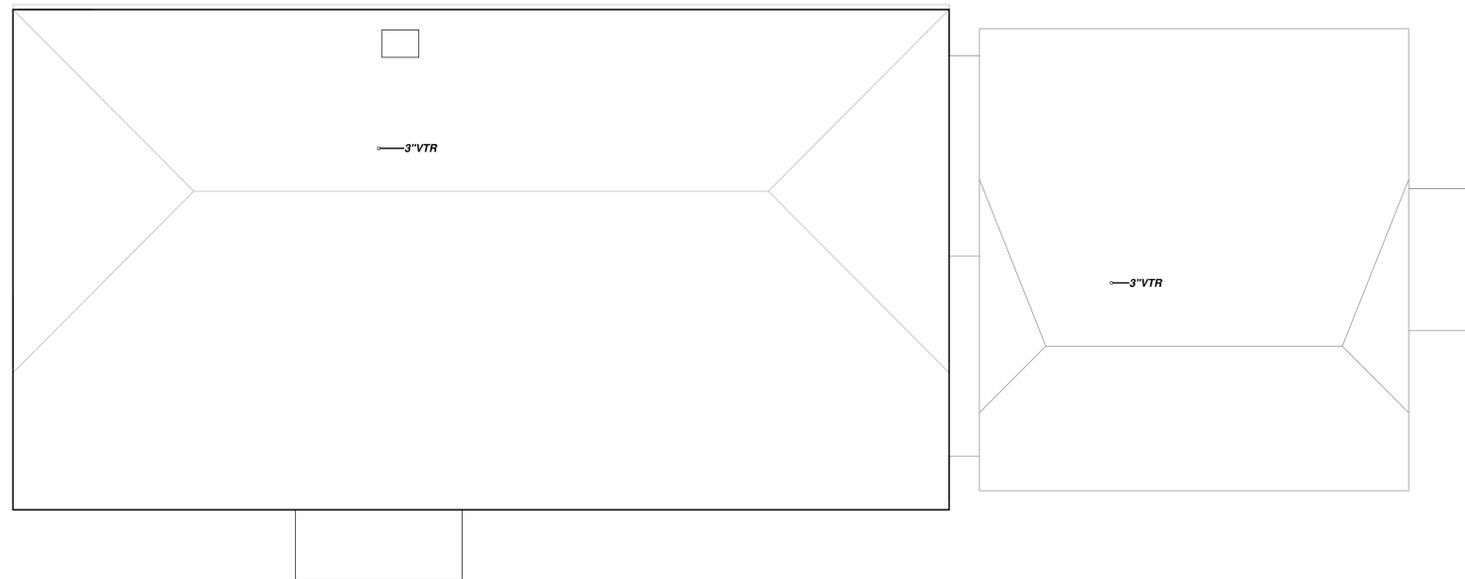
Sheet Name
PLUMBING LEVEL 1 PLAN

Sheet Number

P101



Roof Penetration Locations Look Good- Thanks!



1 PLUMBING ROOF PLAN
P102 1/8" = 1'-0"

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Sheet Name
PLUMBING ROOF PLAN

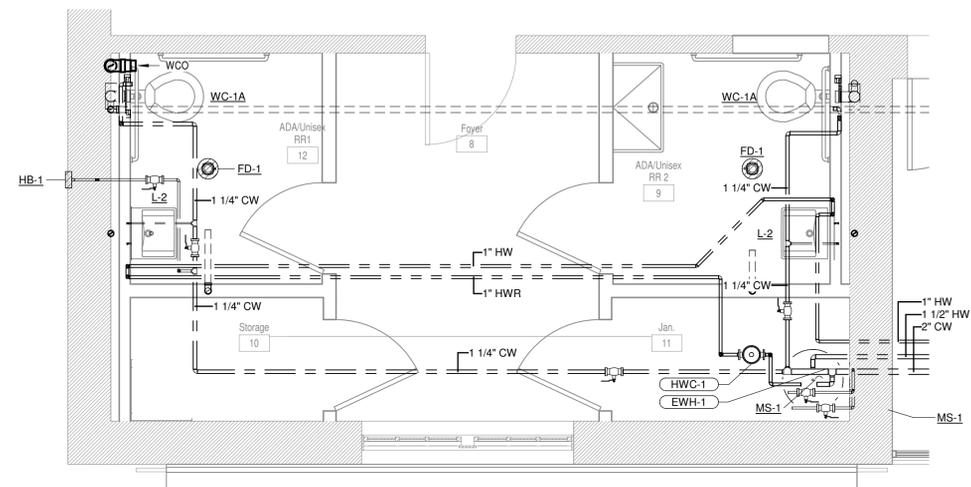
Sheet Number

P102

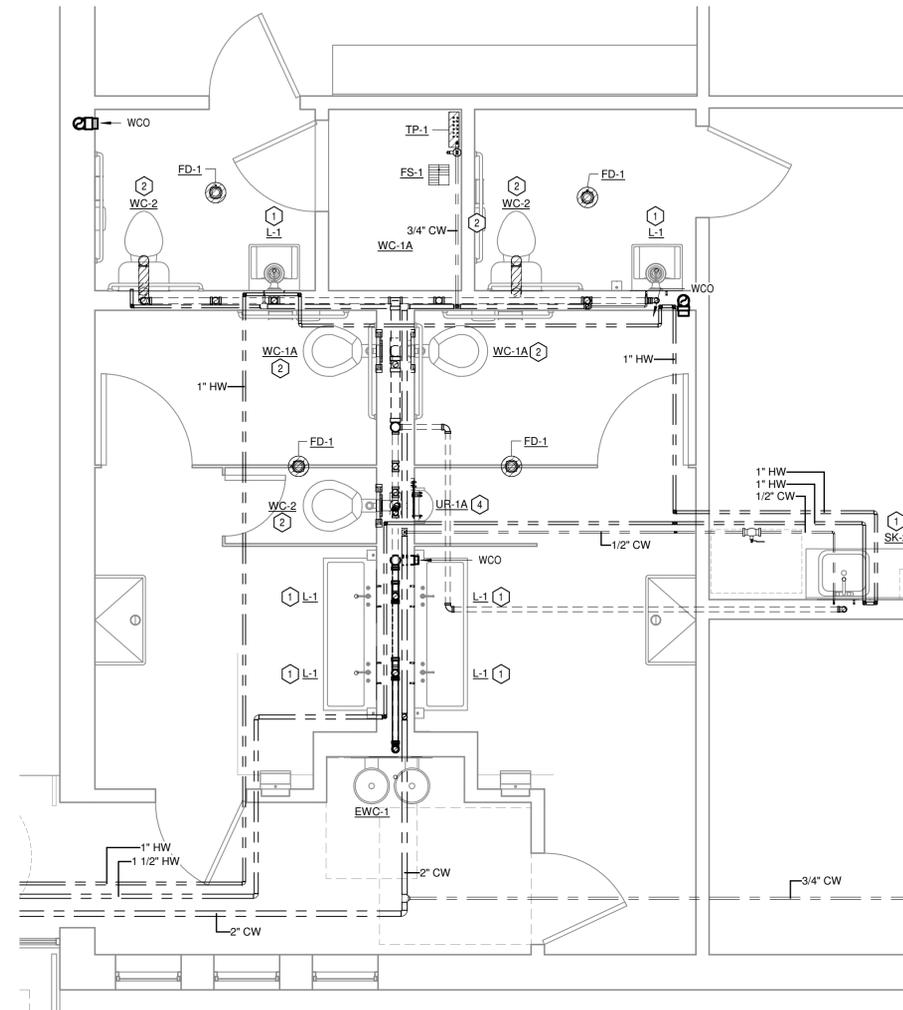


PLUMBING KEYED NOTES:

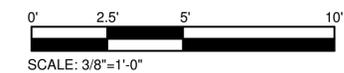
- ① ROUGH-IN AND CONNECT PLUMBING FIXTURE. 1/2" CW/HW. 2" SAN. 2" VENT.
- ② ROUGH-IN AND CONNECT PLUMBING FIXTURE. 1" CW. 4" SAN. 2" VENT.
- ③ ROUGH-IN AND CONNECT PLUMBING FIXTURE. 3/4" CW AND HW. 3" SAN. 2" VENT.



2 PLUMBING ENLARGED PLAN
 P201 3/8" = 1'-0"



1 PLUMBING ENLARGED PLAN
 P201 3/8" = 1'-0"



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 Sheet Name
PLUMBING ENLARGED PLANS

Sheet Number
P201

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	WASTE	VENT	TRAP	WATER (COLD)	WATER (HOT)	FLOW RATE	MANUFACTURER / MODEL (BASIS OF DESIGN)	FAUCET / FLUSH VALVE (BASIS OF DESIGN)
EWC-1	ELECTRIC DRINKING FOUNTAIN	2"	2"	-	1/2"	-	0.25	ELKAY / EZWS-EDFP217K	-
L-1	LAVATORY	2"	1 1/2"	1 1/2"	1/2"	1/2"	0.35	BRADELY / LVAD2	BRADELY / WASHBAR DUO WBD1
L-2	LAVATORY - WALL HUNG	2"	1 1/2"	1 1/2"	1/2"	1/2"	0.35	AMERICAN STANDARD / DECORUM 9024.004EC	SLOAN / ETF-700
MS-1	MOP SINK	3"	2"	3"	3/4"	3/4"	2	STERN WILLIAMS / SB-850	T&S BRASS / B-2465
SK-1	2-COMP SINK	2"	1 1/2"	1 1/2"	1/2"	1/2"	0.5	ELKAY / ECT5RA33229TFC	INCLUDED WITH SINK MODEL #
SK-2	SINGLE COMP SINK	2"	1 1/2"	1 1/2"	1/2"	1/2"	0.5	ELKAY / ECTRU2179TFC	INCLUDED WITH SINK MODEL #
UR-1A	URINAL	2"	1 1/2"	-	3/4"	-	1.0	AMERICAN STANDARD / TRIMBROOK	AMERICAN STANDARD / 6045.051.002
WC-1A	ADA WATER CLOSET	4"	2"	-	1"	-	1.28	AMERICAN STANDARD / Awall Millennium	AMERICAN STANDARD / 6047.121.002
WC-2	WATER CLOSET	4"	2"	-	1"	-	1.28	AMERICAN STANDARD / Madera FloWise	AMERICAN STANDARD / 6047.121.002

PLUMBING DRAIN SCHEDULE

MARK	DESCRIPTION	SERVICE	GRATE DIMENSION	OUTLET DIAMETER	MANUFACTURER	MODEL
FD-1	COATED CAST-IRON FLOOR DRAIN W/ BOTTOM OUTLET, CLAMPING COLLAR, AND POLISHED NICKEL-BRONZE STRAINER.	RESTROOM	5"	3"	ZURN	Z415N
FS-1	COATED CAST-IRON FLOOR SINK, 8" DEEP, WITH EPOXY FINISH, ANCHORING FLANGE, CLAMPING COLLAR, SEEPAGE HOLES, EPOXY BUCKET AND 3/4 GRATE.	MECHANICAL	12"X12"	4"	ZURN	Z-1901

- NOTES:
 1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL FLOOR DRAINS SHALL INCLUDE AN ANCHORING FLANGE AND PRIMER TAP.
 3. INSULATE BODY, TAILPIECE AND P-TRAP OF ALL FLOOR DRAINS SERVING HVAC EQUIPMENT.

PUMP SCHEDULE

MARK	SERVICE	DESCRIPTION	G.P.M.	HEAD (FT.)	MAX. STABLE DELIVERY	SHUT-OFF HEAD (FT. W.)	INLET / OUTLET SIZE	MOTOR HP / V / Ø	MOTOR R.P.M.	MANUFACTURER	MODEL NUMBER	NOTES
HWC-1	HOT WATER	HOT WATER CIRCULATION	5	10	16	9	3/4"	1/15HP / 115 / 1	2800	BELL & GOSSET	NBF-12LW	1.2

ELECTRIC WATER HEATER SCHEDULE

MARK	STORAGE (GALLONS)	RECOVERY RATE @ 100°F (GALLONS PER HOUR)	HEIGHT	WIDTH	DEPTH	KW	VOLTS	PHASE	HERTZ	REMARKS
EWH-1	40	24	36"	24"	26"	15.6	208	3	60	A.O. SMITH DEL-40

SHOCK ARRESTOR SCHEDULE

MARK	WSFU RATING	P.D.I. CROSS REFERENCE	MANUFACTURER
SA-A	1-11	A	PRECISION PLUMBING PRODUCTS
SA-B	12-32	B	PRECISION PLUMBING PRODUCTS
SA-C	33-60	C	PRECISION PLUMBING PRODUCTS
SA-D	61-113	D	PRECISION PLUMBING PRODUCTS
SA-E	114-154	E	PRECISION PLUMBING PRODUCTS
SA-F	155-330	F	PRECISION PLUMBING PRODUCTS

- NOTES:
 PROVIDE SHOCK ARRESTORS AT ENDS OF DCW AND DHW PIPING RUNS; AT ALL QUICK-CLOSING FIXTURES SUCH AS SHOWERS, FLUSHVALVES, SOLENIODS VALVES, SINGLE-HANDED FAUCETS, AND SENSOR OPERATED FAUCETS; AND, FOR ALL GROUPS OF FIXTURES. SHOCK ARRESTORS SHALL BE PLACED AS CLOSE AS POSSIBLE TO THE LAST FIXTURE ON EACH PIPE RUN. SHOCK ARRESTORS SHALL BE ACCESSIBLE.

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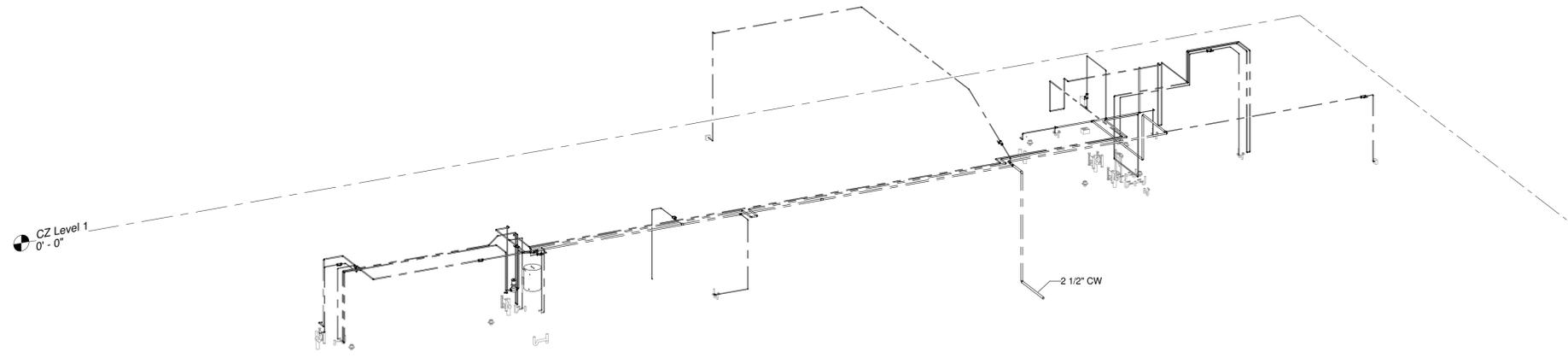
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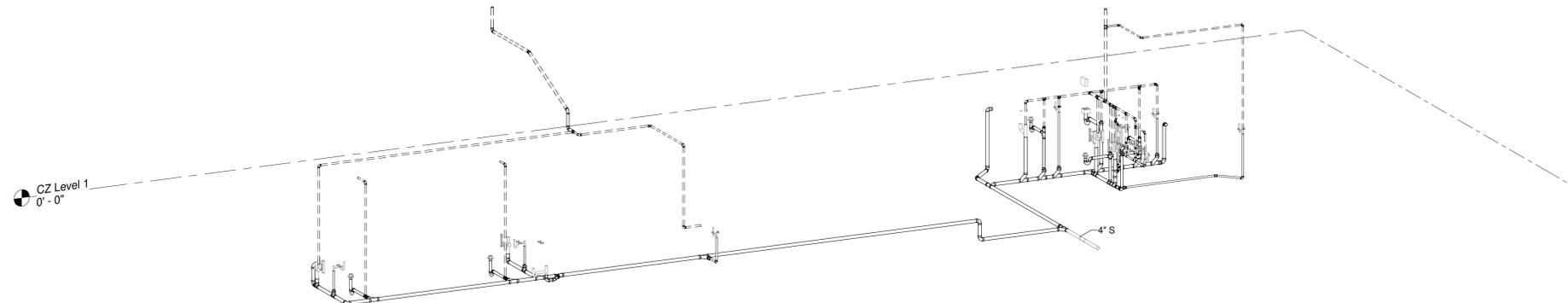
Sheet Name
PLUMBING SCHEDULES

Sheet Number

P301



1 PLUMBING RISER - DOMESTIC WATER
 P401



2 PLUMBING RISER - SANITARY WASTE AND VENT
 P401

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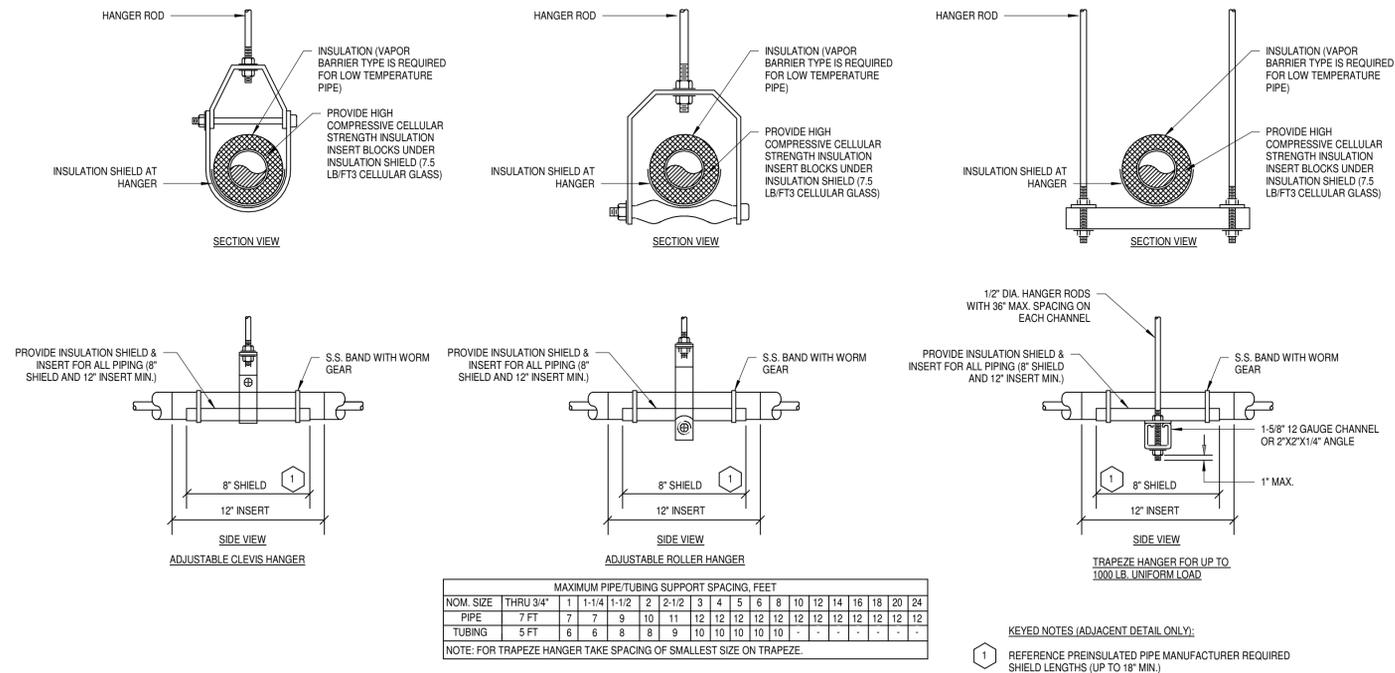
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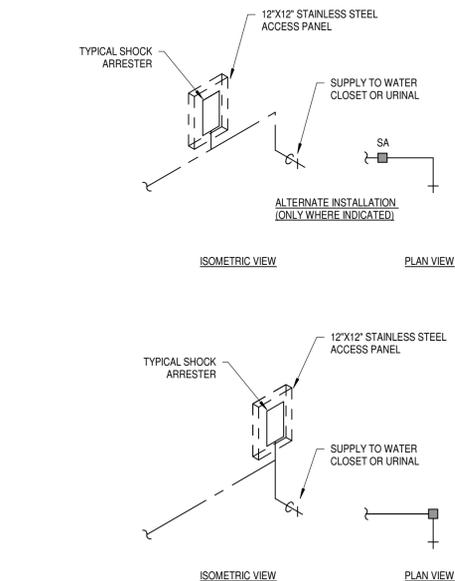
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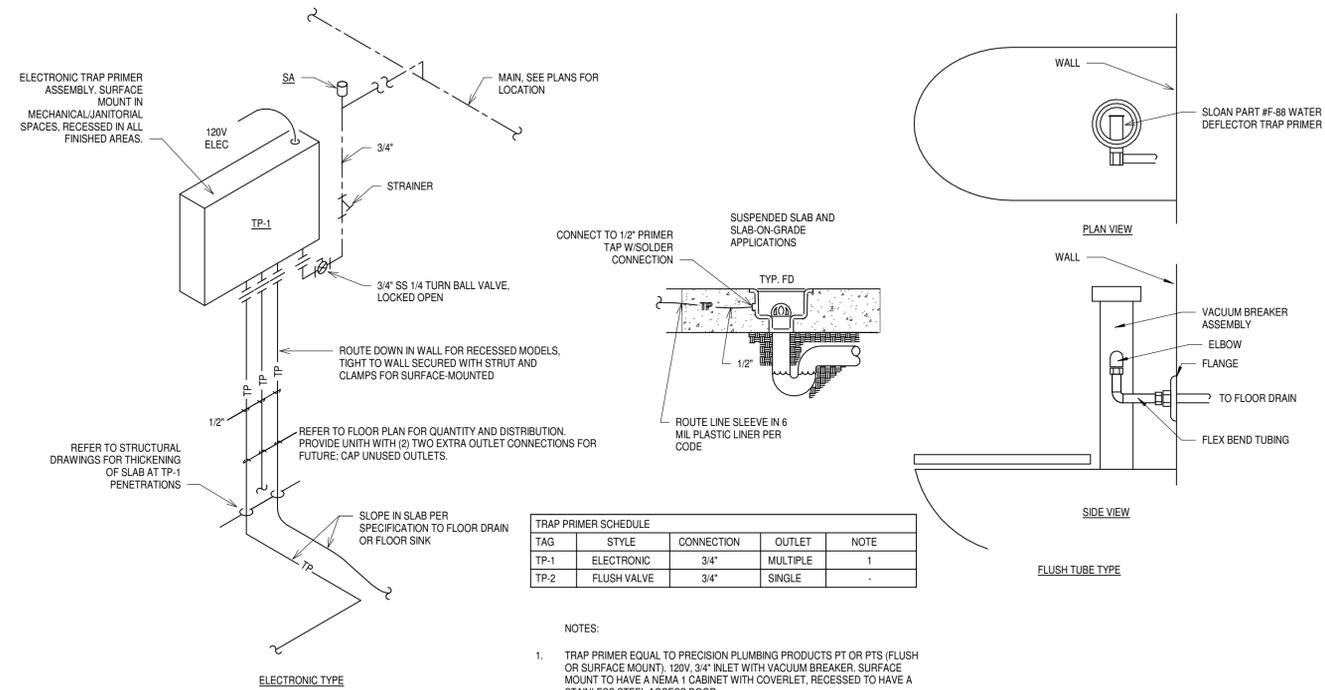
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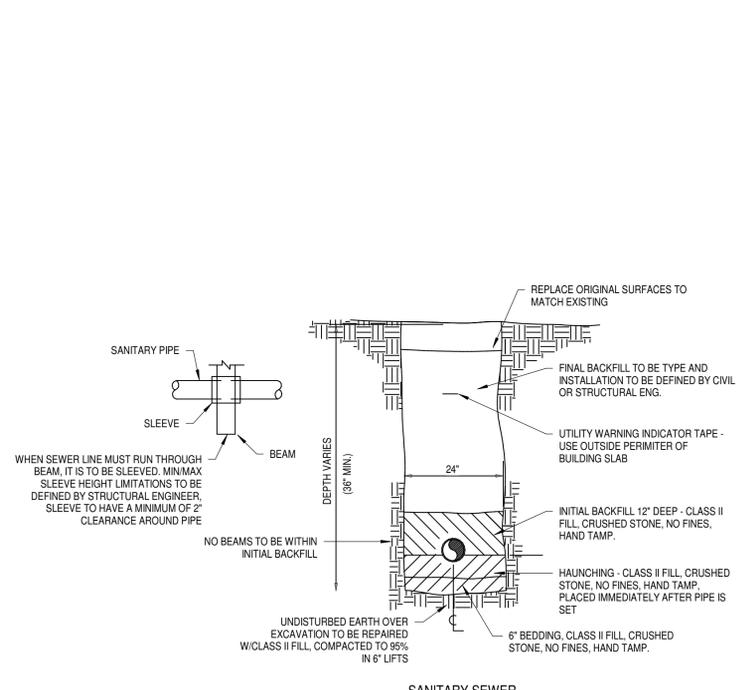
1 TYPICAL PIPE HANGERS
P501 NOT TO SCALE



2 TYPICAL SHOCK ARRESTER
P501 NOT TO SCALE



3 TYPICAL TRAP PRIMERS
P501 NOT TO SCALE



4 TYPICAL TRENCHES
P501 NOT TO SCALE

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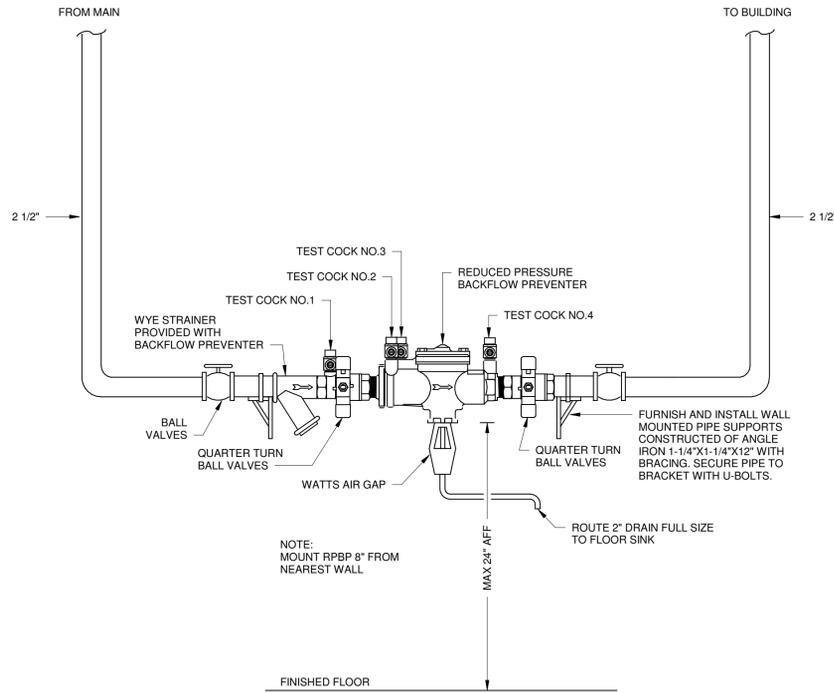
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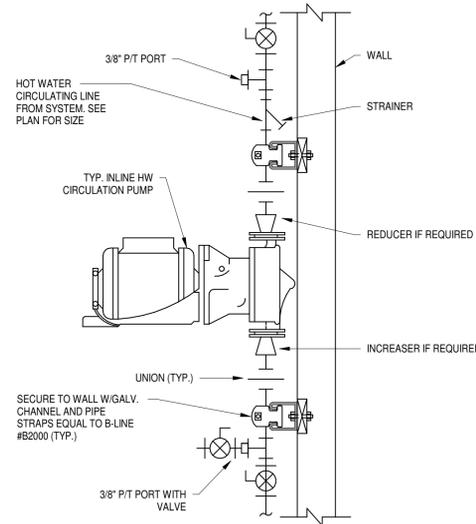
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PLUMBING DETAILS

Sheet Number

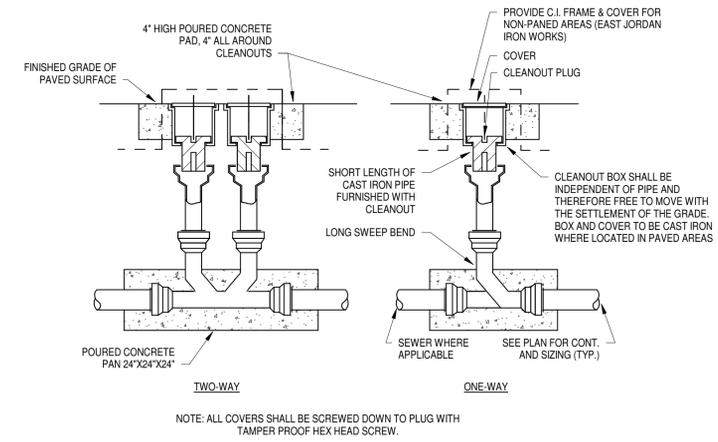
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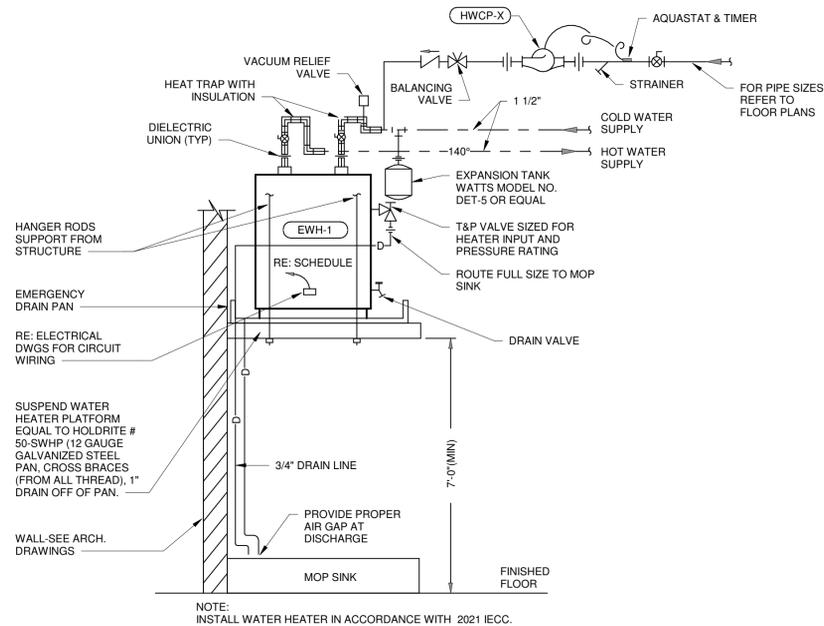
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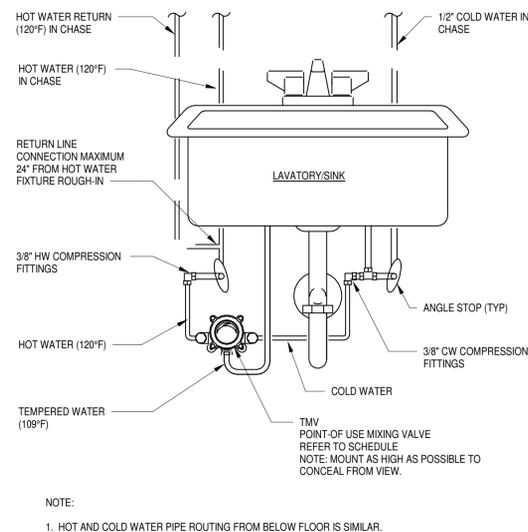
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3 TYPICAL YARD CLEANOUT
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4 WATER HEATER DETAIL
 P502 NOT TO SCALE



5 POINT-OF-USE MIXING VALVE DETAIL
 P502 NOT TO SCALE