

PLOT PLAN
SCALE 1" = 20' - 0"

SHEET A-1

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25807 LEWIS RANCH ROAD, NEW BRAUNFELS, TX 78132

830-632-5622, mcrosland.com, mcrosland@mcrosland.com

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DATE
7-17-2025

DRAWN BY
MHC

PLAN #
RC00125

REVISIONS
8-7-2025

RIVER CITY COMMUNITY
CHURCH STORAGE
ADDITION

DIVISION 01 - GENERAL REQUIREMENTS

TEMPORARY FACILITIES: None.

DIVISION 02 - EXISTING CONDITIONS

As described in General Requirements.

DIVISION 03 - CONCRETE

Slab on grade per engineered specs. **New walkways and ramps to be concrete.**

DIVISION 04 - MASONRY

N.I.C.

DIVISION 05 - METALS

Steel framing per shop drawings from steel vendor. Steel handrails per plan.

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

N.I.C.

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

DIVISION 08 - OPENINGS

DIVISION 09 - FINISHES

Steel wall panels to be prefinished.

DIVISION 10 - SPECIALTIES

N.I.C.

DIVISION 11- EQUIPMENT

N.I.C.

DIVISION 12 - FURNISHINGS

N.I.C.

DIVISION 13 - SPECIAL CONSTRUCTION

N.I.C.

DIVISION 14 - CONVEYING EQUIPMENT

N.I.C.

DIVISION 15 - MECHANICAL

FIRE PROTECTION: Extend sprinkler system from Auditorium

DIVISION 16 - ELECTRICAL

ROUGH WIRING: THHN in steel conduit.
SECURITY: Wire for perimeter alarm system with interior motion sensors as required.
LIGHTING: Lithonia 4" 6000 lumen wraparound fixtures or equal, security lighting on photocell at exterior rollup door dock area.
ELECTRIC SERVICE: From existing panel in Riser/Elec. Room
ELECTRICAL TRIM: Per owner selection, outlets 42" AFF.

GENERAL NOTES TO CONTRACTOR

Prior to beginning any work, contractor is to verify in the field, all conditions existing and new affecting work to be done, including, but not limited to: exact location of all construction, all setbacks, easements, restrictions, or requirements, location, size and depth (for underground) of all utilities and services, existing trees, existing and new grades, finish floor elevations and foundation drops, walks, drives, aprons, all fences and walls, and any miscellaneous conditions relevant to work to be done. Contractor shall do a preliminary layout for building placement prior to any staking, trenching, or form work for foundations.

ARCHITECTURAL PLAN NOTES

All drawings, unless otherwise specified, are "builder type" only. It is the contractor's responsibility to verify all conditions, such as utilities, site requirements, details, dimensions, etc. Contractor shall coordinate all phases of work. Project changes shall be the responsibility of the contractor and/or the owner. There will not be any "on site" architectural supervision, and no responsibility for project changes, disagreements, or discrepancies.

CONSTRUCTION NOTES

1. New HVAC duct runs from existing Auditorium units installed at ceiling.
2. Existing gutter and downspouts to be modified per plan, new gutter and downspouts added at addition per plan.
3. Owner to coordinate new ADA compliant concrete ramps.
4. Fire protection system to be extended from Auditorium.

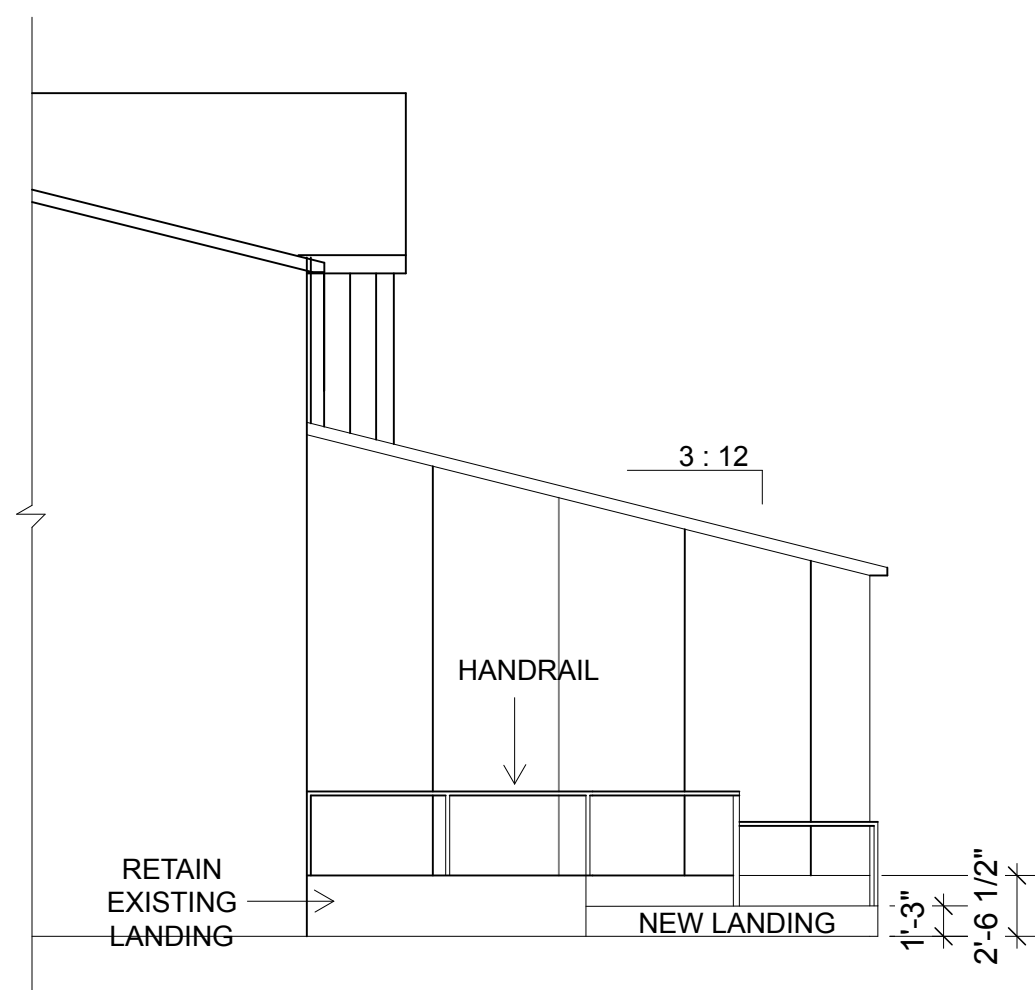


SHEET A-2

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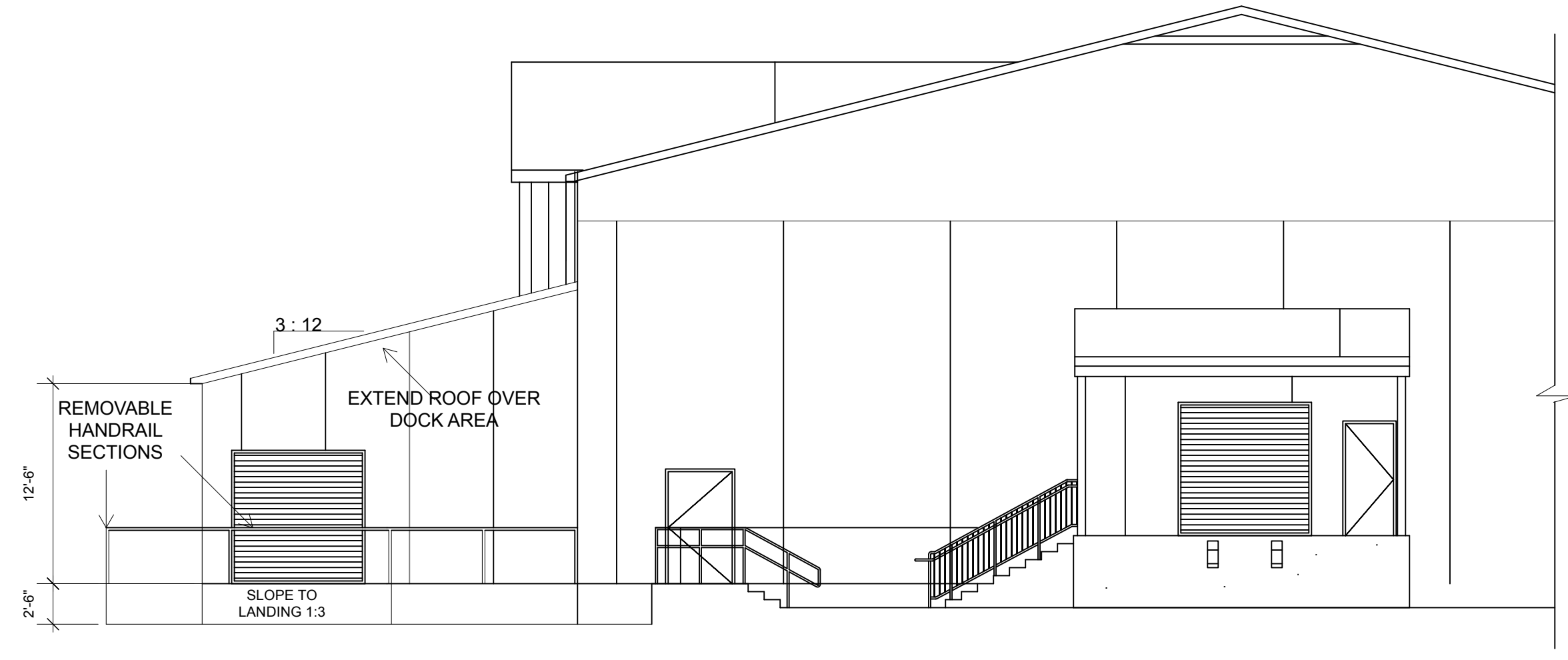
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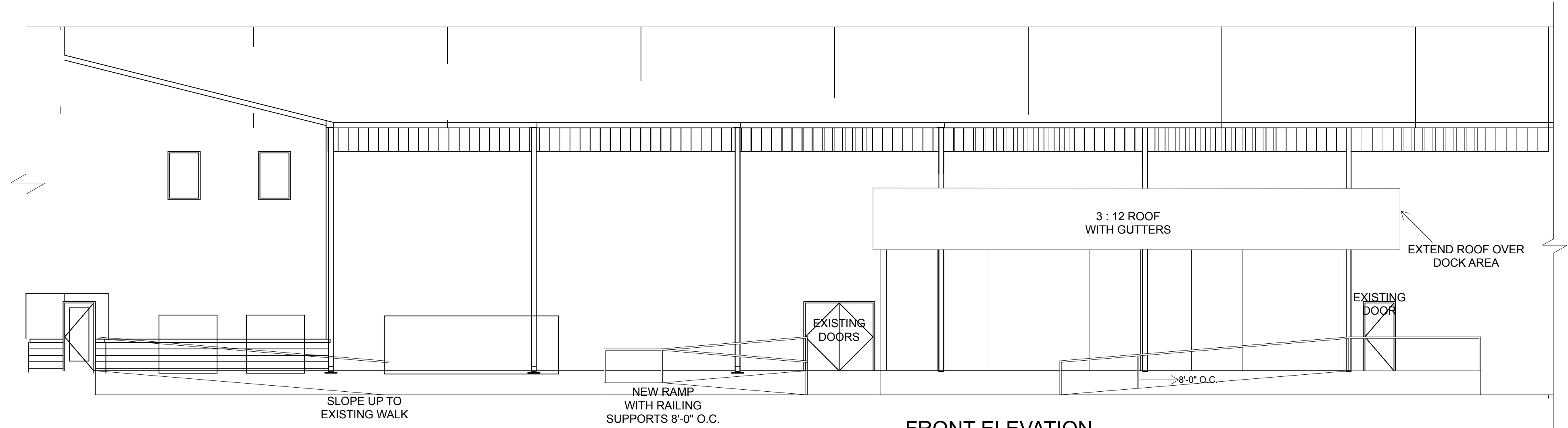


LEFT ELEVATION
SCALE 1/8" = 1' - 0"

NOTE:
VERIFY COLUMN HEIGHT
OF NEW ADDITION FRAME
PRIOR TO CONSTRUCTION



RIGHT ELEVATION
SCALE 1/8" = 1' - 0"

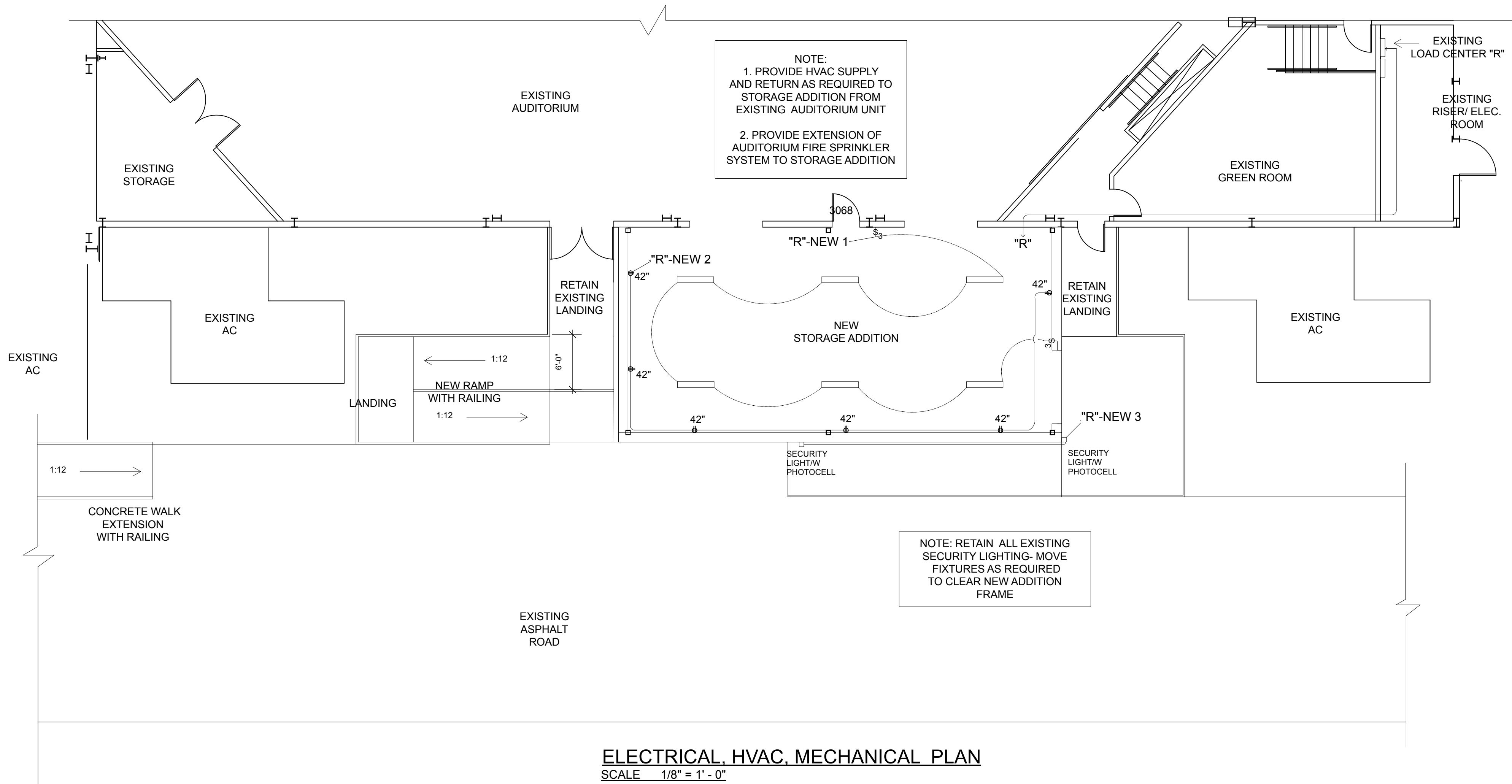


FRONT ELEVATION
SCALE 1/8" = 1' - 0"

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ELECTRICAL, HVAC, MECHANICAL GENERAL NOTES

ELECTRICAL

- Existing load center designated as "R" to be used for Addition.
- Circuits designated as "New 1, 2 and 3" to each be 20 amp.
- Provide metallic tubing with 12-AWG stranded copper THHN.
- All wire runs and trim to be consistant with and match existing Auditorium electrical.

HVAC

- New HVAC duct runs from existing Auditorium units to be installed at ceiling as required.

FIRE PROTECTION

- Extend Auditorium fire protection system to Storage Addition

ELECTRICAL, HVAC, MECHANICAL PLAN
SCALE 1/8" = 1' - 0"

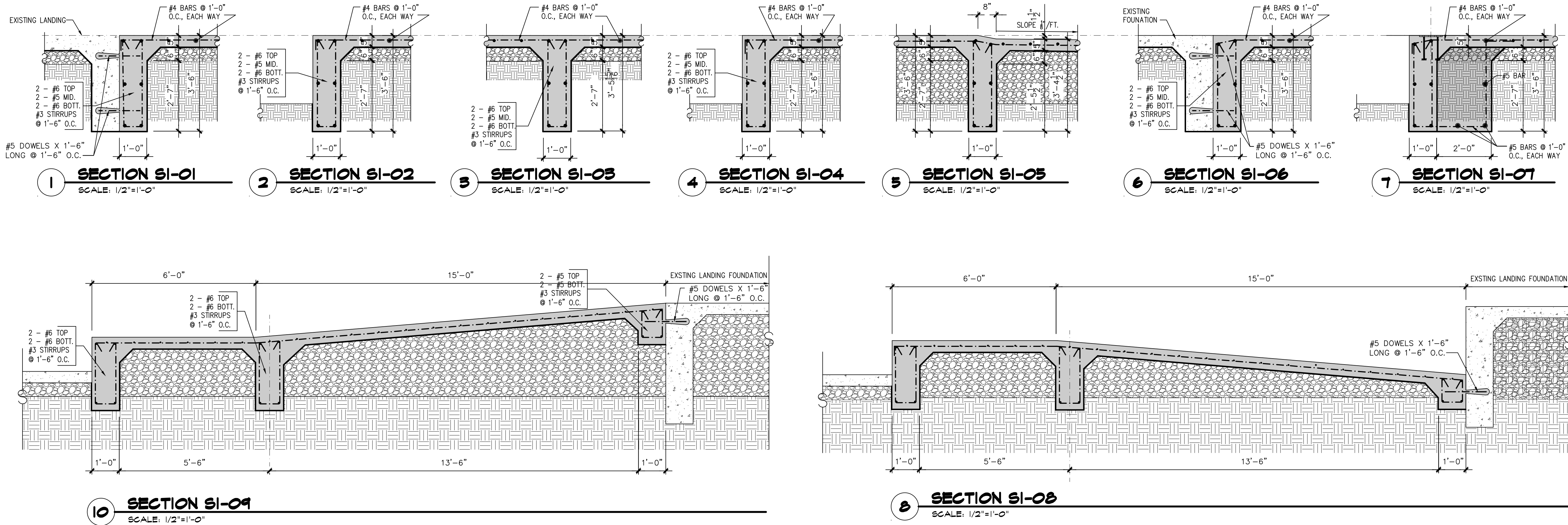
SHEET A-4

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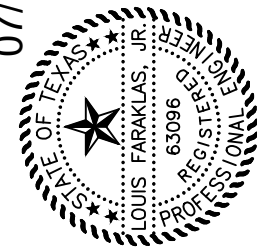
RIVER CITY COMMUNITY
CHURCH STORAGE
ADDITION

DATE
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8-7-2025



FOUNDATION ADDITION PLAN
SCALE: 3/16" = 1'-0"

07/02/25



Luis S. Faraklas

LUIS S. FARAKLAS, P.E.

CONSULTING STRUCTURAL ENGINEERS
1135 W. WOODLAWN AVE.
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TEL. NO. (210) 734-8500
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A NEW STORAGE ROOM ADDITION
RIVER CITY COMMUNITY CHURCH
16765 LOOKOUT RD.
SELMA, TEXAS 78154

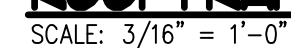
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JOB NO.: 3847
DATE: 07/02/2025
DRAWN BY: LFJ
CHECKED BY: LFJ

SHEET NO.

S1

of 3



FN-1 CONCRETE SHALL BE REGULAR WEIGHT, LABORATORY DESIGNED TO DEVELOP A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 P.S.I. WITH A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE.

FN-2 5" CONCRETE SLAB REINFORCED WITH #4 BARS @ 1'-0" O.C., EACH WAY. SUPPORT REINFORCING BARS @ 4'-0" O.C., EACH WAY, WITH GALVANIZED

FN-3 REINFORCING STEEL FOR THE CONCRETE SLAB SHALL BE DOMESTIC NEW BILLET STEEL, CONFORMING TO AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM) SPECIFICATION A-615, GRADE 60, EXCEPT TIES AND STIRRUPS MAY BE GRADE 40.

FN-4 DETAILING OF CONCRETE REINFORCING BARS AND ACCESSORIES SHALL BE IN ACCORDANCE WITH THE LATEST AMERICAN CONCRETE INSTITUTE (ACI), "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCEMENT CONCRETE STRUCTURES", ACI 315. BAR SUPPORTS SHALL HAVE PLASTIC COATED LEGS OR BE HOT DIPPED GALVANIZED, AFTER FABRICATION.

FN-5 BAR LAPS AND SPLICES SHALL BE A LENGTH EQUAL TO AT LEAST 40 BAR DIAMETERS.

FN-6 PROVIDE 10 MIL. VAPOR BARRIER (6" LAPS MINIMUM) BETWEEN SELECT GRAVEL FILL AND CONCRETE IN ACCORDANCE WITH ASTM E-1745, CLASS A. VAPOR BARRIER TO LAP SIDES AND BOTTOM SOFFIT OF INTERIOR AND EXTERIOR GRADE BEAMS WITH ALL HOLES AND RIPS IN VAPOR BARRIER SEALED WITH APPROVED MANUFACTURER'S TAPE.

FN-7 ALL BEAM SOFFITS SHALL BEAR 12" MINIMUM INTO NATURAL GRADE, OR COMPACTED FILL, ON PERIMETER BEAMS, INCREASE SCHEDULED BEAM DEPTH AS REQUIRED, FOR SOFFIT TO BEAR 12" MINIMUM BELOW FINISH GRADE.

FN-8 AT ALL BEAM CORNERS AND T-INTERSECTIONS, PROVIDE 4 - #6 x 5'-0" CORNER BARS (2 - TOP & 2 - BOTTOM).

FN-9 TRENCHES SHALL BE VERIFIED FOR SIZE TO MAINTAIN CLEARANCES AROUND REINFORCEMENT PRIOR TO PLACEMENT OF REINFORCEMENT.

FN-10 WHERE BEAM DEPTH EXCEEDS 36", ADD 1 - #5 BARS @ 1'-0" ON CENTER, IN EACH FACE OF BEAM.

FN-11 MECHANICAL AND ELECTRICAL CONDUITS SHALL RUN BELOW SLABS, UNDER SLAB REINFORCING. DO NOT RUN IN SLAB AND DO NOT BUNDLE CONDUITS.

FN-12 REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR DIMENSIONS, LOCATIONS, AND SIZE OF FLOOR DEPRESSIONS, SLEEVES, REGLETS, INSERTS, ANCHORS, AND BOLTS REQUIRED BY THE VARIOUS TRADES.

FN-13 FOUNDATION EXPOSED ABOVE FINISHED GRADE, WALKS, OR CURBS, SHALL BE RUBBED SMOOTH WITH CARBORUNDUM BRICKS, WITH MINOR VOIDS FILLED. SAND/CEMENT SLURRY MAY BE USED WITH BONDING AGENT ADDITIVE TO ASSIST IN RUBBING, BUT SURFACE COATING OR PLASTERING WILL NOT BE

FN-14 CURE CONCRETE FOR A MINIMUM OF FOUR (4) DAYS USING WATER, BLACK VISQUEEN, OR CURING COMPOUND, ACCEPTABLE TO ENGINEER.

FN-15 THE CONTRACTOR SHALL AND FABRICATOR SHALL VERIFY ALL QUANTITIES, DIMENSIONS, AND CONDITIONS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

FN-16 THE CONTRACTOR SHALL ENGAGE AND PAY FOR ALL COMPRESSIVE CONCRETE TESTS WHICH SHALL BE PERFORMED BY AN INDEPENDENT TESTING LAB AT A MINIMUM OF 4 CYLINDERS PER EACH 50 CUBIC YARDS OF CONCRETE Poured.

UF-1	BEFORE ANY CONSTRUCTION IS BEGUN, PERFORM ROUGH GRADING AND CUT SWALES SO THAT GROUNDS WILL DRAIN AWAY FROM THE BUILDING. MAINTAIN DRAINAGE DURING ALL PHASES OF CONSTRUCTION SO THAT STORM WATER WILL BE DIRECTED AWAY FROM THE BUILDING. KEEP EXCAVATIONS PUMPED FREE OF STORM WATER AT ALL TIMES.
UF-2	PRECAUTIONS SHALL BE TAKEN TO PROTECT OPEN EXCAVATIONS FROM EXCESSIVE LOSS OR GAIN IN NATURAL MOISTURE LEVEL PRIOR TO PLACEMENT OF BASE MATERIAL. KEEP MOIST DURING DRY WEATHER AND KEEP STORM WATER PUMPED OUT, INCLUDING NIGHTS AND WEEKENDS, DURING RAINS.
UF-3	IN AN AREA OCCUPIED BY THE BUILDING, PLUS FIVE FEET, REMOVE A MINIMUM OF 8" OF TOP SOIL AND VEGETATION. (DO NOT REUSE FOR FILL UNDER THE BUILDING). REMOVE ADDITIONAL SOIL AS REQUIRED TO ASSURE THAT A MINIMUM OF 4"-0" OF SELECT STRUCTURAL FILL IS PLACED UNDER THE ENTIRE BUILDING AREAS.
UF-4	ALL FILL SHALL BE PLACED IN 8" LOOSE HORIZONTAL LIFTS AND COMPACTED TO A LEVEL WHERE VOIDS ARE REMOVED FROM THE FILL.
UF-5	PERFORM ALL EARTHWORK DESCRIBED ABOVE BEFORE TRENCHING FOR GRADE BEAMS OR MECHANICAL LINES.

- 1 BUILDING CODE: INTERNATIONAL BUILDING CODE, 2024 EDITION.
- 2 STRUCTURAL STEEL: AMERICAN INSTITUTE OF STEEL CONSTRUCTION (A.I.S.C.), 14th
Ed. COLD FORM STEEL: AMERICAN IRON AND STEEL INSTITUTE (A.I.S.I.), 2012
EDITION.
- 3 CONCRETE: AMERICAN CONCRETE INSTITUTE (ACI 318–14), "BUILDING CODE
REQUIREMENTS FOR REINFORCED CONCRETE".
- 4 WOOD: AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (A.I.T.C.), 6th EDITION.
- 5 MASONRY: AMERICAN CONCRETE INSTITUTE (A.C.I.), "BUILDING CODE
REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530–11)".

1	THE DESIGN LOADS LISTED BELOW, AND ANY ADDITIONAL LOADS, ARE TO BE IN STRICT COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE (IBC), 2024 EDITION.		
2	DEAD LOADS INCLUDE, BUT ARE NOT LIMIT TO, THE WEIGHT OF THE STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS AND PERMANENT PARTITIONS, PERMANENT FIXTURES, FINISHES, ROOFING MATERIALS SHOWN ON THESE CONSTRUCTION DOCUMENTS.		
3	LOADING FOR MECHANICAL ROOMS ARE BASED ON THE WEIGHTS OF ASSUMED EQUIPMENT, AS INDICATED ON THE MECHANICAL DRAWINGS (INCLUDING THE WEIGHT OF CURBS AND ADDITIONAL STRUCTURAL SUPPORT REQ'D). CHANGES IN TYPE, SIZE, LOCATION OR NUMBER OF EQUIPMENT SHOULD BE REPORTED TO THE ARCHITECT/ENGINEER FOR VERIFICATION OF ADEQUATE STRUCTURAL SUPPORT PRIOR TO THE PLACEMENT OF THE EQUIPMENT OR MATERIAL.		
4	LOADS		
	ROOF LIVE LOAD =	20.00	P.S.F.
	FLOOR LOADS:		
	1st FLOOR =	100.00	P.S.F.
	CORRIDORS =	100.00	P.S.F.
	STAIRS =	100.00	P.S.F.
	STORAGE =	125.00	P.S.F.
5	ROOF SNOW LOAD		
	GROUND SNOW (Pg) =	5.00	P.S.F.
	SNOW EXPOSURE FACTOR (Ce) =	1	
	SNOW LOAD EXPOSURE FACTOR (Is) =	1.1	
	THERMAL FACTOR (Ct) =	1	
6	WIND LOADS		
	A. BASIC WIND SPEED (ULTIMATE DESIGN) =	115.00	M.P.H.
	B. WIND LOAD IMPORTANCE FACTOR (Iw) =	1	
	B. BUILDING CATEGORY =	III	
	C. WIND EXPOSURE =	B	
7	EARTHQUAKE DESIGN DATA		
	A. SEISMIC IMPORTANCE FACTOR =	1	
	B. MAPPED SPECTRAL RESPONSE ACCELERATION:		
	Ss =	14	%g
	S1 =	3	%g
	SPECTRAL RESPONSE COEFFICIENT:		
	Sds =	14	%g
	Sd1 =	5	%g
	SEISMIC DESIGN CATEGORY =	A	
	SEISMIC RESPONSE COEF. (Cs) =	1	
8	ALLOWABLE SOIL BEARING CAPACITY		
	A. TOTAL LOAD (LIVE AND DEAD) =	1500.00	P.S.F. (IBC TABLE 1806.2)
	B. DEAD LOAD =	1000.00	P.S.F.

COORDINATION OF THE ROOF STRUCTURE AND THE ARCHITECTURAL SECTIONS AND ELEVATIONS IS CRITICAL TO PROPER STRUCTURAL STEEL FABRICATION. ELEVATIONS OF TOP OF STRUCTURAL STEEL ARE SHOWN ON THE ARCHITECTURAL PLANS AND SECTIONS. REFER TO THESE SECTIONS AND DETAILS TO SET THE STEEL ELEVATIONS AND TO UNDERSTAND THE ARCHITECTURAL INTENT.

2 TOLERANCE REQUIREMENTS: STRUCTURAL DRAWINGS INDICATE MISCELLANEOUS STEEL ELEMENTS SUCH AS SHELF ANGLES, UNTELS, SUPPORT MEMBERS FOR CURTAIN WALLS OR MASONRY, AND EDGE ANGLES FOR OPENINGS AND PERIMETER CONDITIONS WHICH ARE INTENDED TO SUPPORT OR BE COORDINATED WITH MATERIALS FURNISHED BY OTHER TRADES. IT IS THE INTENT OF THESE DRAWINGS THAT THESE ELEMENTS BE FIELD ATTACHED BY FIELD WELDING OR BOLTING TO MEET THE TOLERANCES REQUIRED BY OTHER TRADES, WHICH MAY BE MORE STRINGENT THAN A.I.S.C. TOLERANCES FOR STRUCTURAL STEEL. THE CONTRACTOR SHALL COORDINATE TRADES AND FIELD INSTALL MISCELLANEOUS STEEL ELEMENTS AND THE STRUCTURAL STEEL FRAME TO COMPLY WITH THE TOLERANCE CRITERIA FOR PROPER INSTALLATION OF MATERIALS BY OTHER TRADES.

3 STRUCTURAL STEEL SHALL CONFORM TO 2012 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (A.I.S.C.), EXCEPT WHERE INDICATED OTHERWISE ON THE DRAWINGS AND SPECIFICATIONS.

4 STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING DESIGNATIONS:

WIDE FLANGE (W) SHAPES AND TEES	A992 (50 K.S.I. YIELD)
OTHER ROLLED SHAPES, PLATES AND RODS	A36 (36 K.S.I. YIELD)
HOLLOW STRUCTURAL SHAPES (HSS OR TS)	A500, GRADE B (42 K.S.I. YIELD)
PIPE	A53, GRADE B (35 K.S.I. YIELD)
BOLTS FOR CONNECTIONS	A325N
ANCHOR BOLTS	F1554 (36 K.S.I. YIELD)

5 PRE-DESIGNED BEAM CONNECTION DETAILS ARE SHOWN ON THE STRUCTURAL PLANS. OTHER TYPICAL CONNECTIONS ARE SHOWN IN TYPICAL DETAILS. CONNECTIONS WHICH ARE NOT SPECIFICALLY DETAILED SHALL BE DESIGNED BY THE FABRICATOR IN ACCORDANCE WITH THE CONNECTION NOTES AND SPECIFICATIONS.

6 ALL MOMENT CONNECTIONS SHALL BE FULL WELDED CONNECTIONS DESIGNED TO DEVELOP THE FULL CROSS-SECTION OF THE MEMBER. STIFFENER PLATES, WHERE SHOWN, ARE MANDATORY AND MAY NOT BE OMITTED. MOMENT CONNECTIONS ARE INDICATED ON THE PLANS BY A HEXAGON ON THE END OF THE BEAM WITH A "M" WITHIN THE HEXAGON.

7 CANTILEVER BEAM MOMENT CONNECTED TO THE FRAME SHALL BE THE SAME SIZE AS THE BACK-UP SPAN IF NO SIZE IS GIVEN.

8 ALL BOLTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION.

9 BACK TO BACK CHANNELS OR DOUBLE ANGLES ACTING AS COMPRESSION MEMBERS SHALL BE CONNECTED TO EACH OTHER AT THIRD POINTS ALONG THE LENGTH BY WELDING IN SPACER PLATES OF EQUAL THICKNESS TO THE GUSSET PLATES. UNEQUAL LEG ANGLES SHALL BE ORIENTED LONG LEG DOWN UNLESS NOTED OTHERWISE.

10 TEMPORARY CONSTRUCTION BRACING OF STRUCTURAL STEEL FRAME SHALL REMAIN IN PLACE UNTIL AFTER ALL PERMANENT BRACING COMPONENTS HAVE BEEN COMPLETED. THE LATERAL LOAD RESISTING SYSTEM OF THE BUILDING INCLUDES MOMENT-CONNECTED RIGID FRAMES, DESIGNATED WIND BRACING, PORTAL FRAMES, CONCRETE SHEAR WALLS, REINFORCED MASONRY SHEAR WALLS AND CONNECTING DIAPHRAM ELEMENTS. THE METAL ROOF DECK AND COMPLETED CONCRETE FILL ON METAL FLOOR DECK ARE ESSENTIAL DIAPHRAM COMPONENTS OF THE PERMANENT BRACING SYSTEM.

11 WIND BRACES IN THE VERTICAL PLANE ARE DENOTED BY "WB" ON THE PLAN. SEE WIND BRACE DETAILS FOR CONFIGURATIONS.

12 SHELF ANGLES SHOWN AS CONTINUOUS IN THE SECTIONS SHALL BE INSTALLED IN 20'-0" MAXIMUM LENGTHS, LEAVING A 1/4" GAP BETWEEN ENDS AND AT CORNERS. LOCATE GAPS TO MATCH MASONRY CONTROL JOINTS. AT BUILDING EXPANSION JOINTS, LEAVE A GAP TO MATCH THE EXPANSION JOINT WIDTH.

13 CONNECT MISCELLANEOUS STEEL MEMBERS USING FILLET WELDS SUFFICIENT TO DEVELOP THE TENSILE STRENGTH OF THE SMALLER MEMBER AT THE JOINT UNLESS SHOWN OTHERWISE.

14 ALL STEEL SHALL BE FURNISHED WITH SHOP COAT OF RUST INHIBITIVE PRIMER.

15 WHERE ANGLES ARE NOTED TO BE CONTINUOUS, PROVIDE FULL BUTT WELD AT SPLICES.

