

GYP BD GYPSUM WALLBOARD

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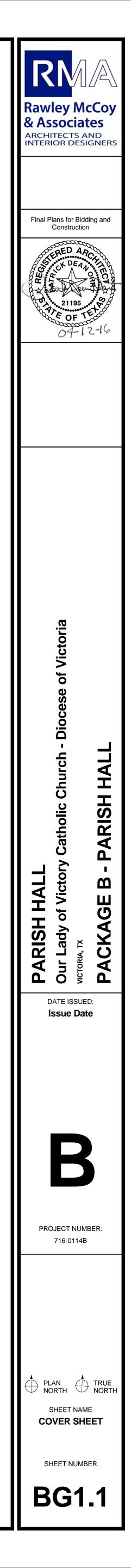
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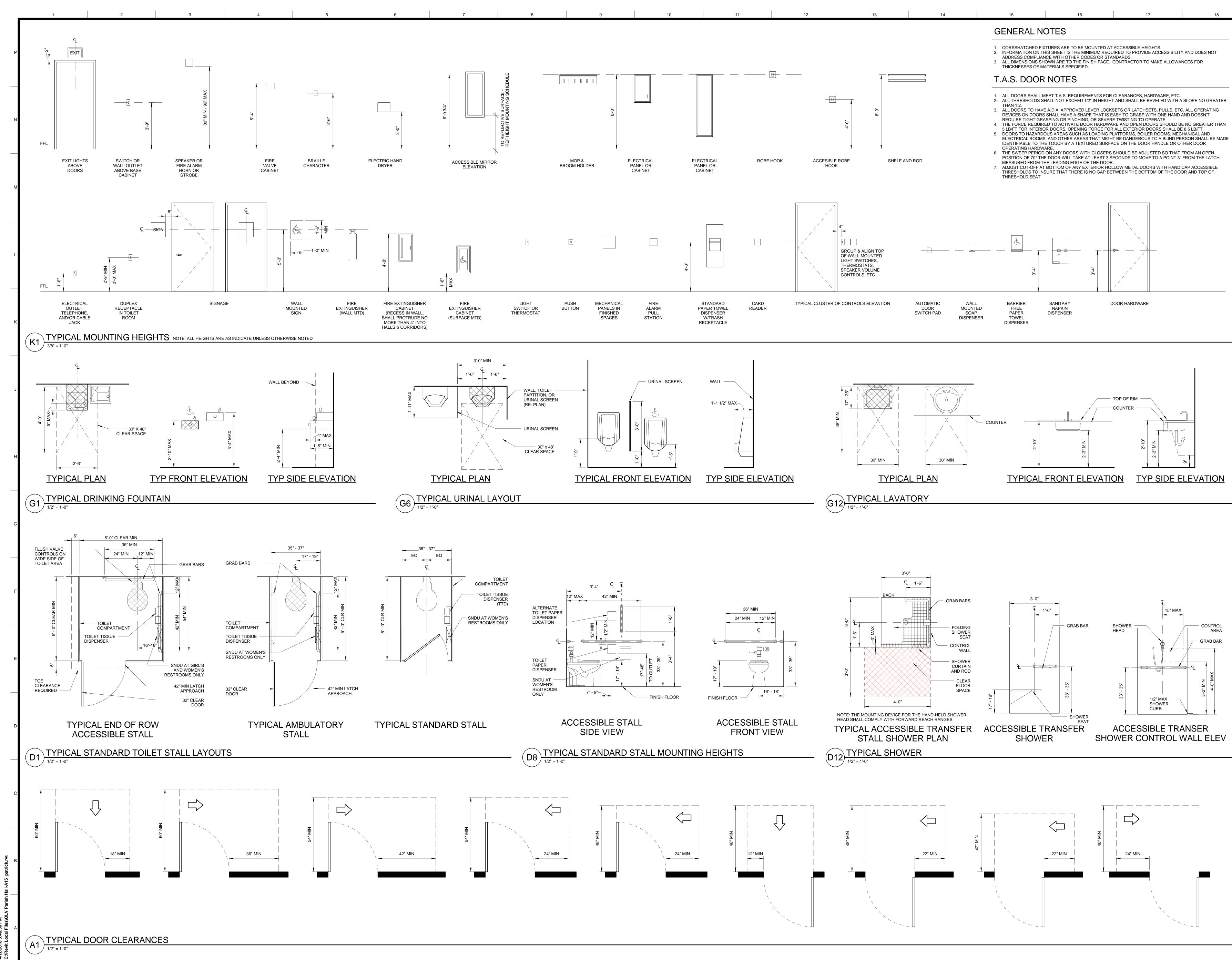
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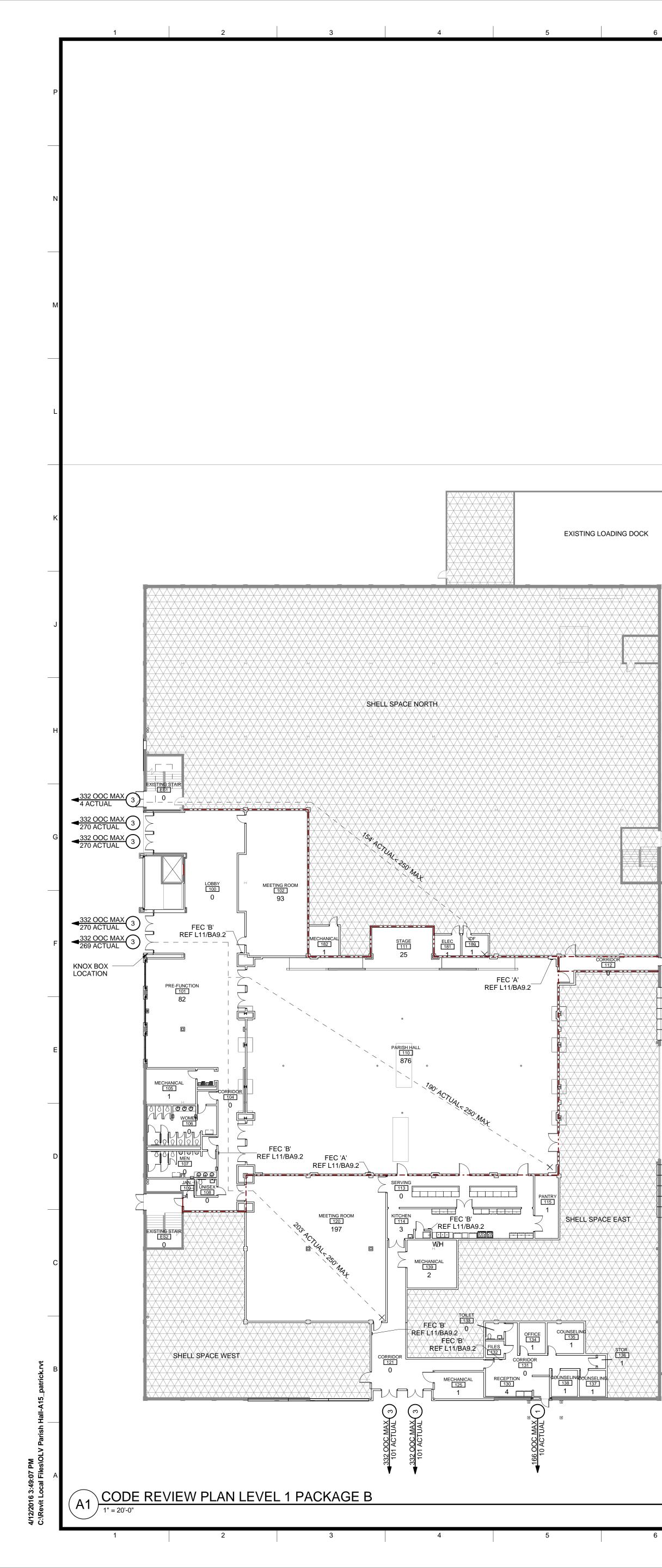
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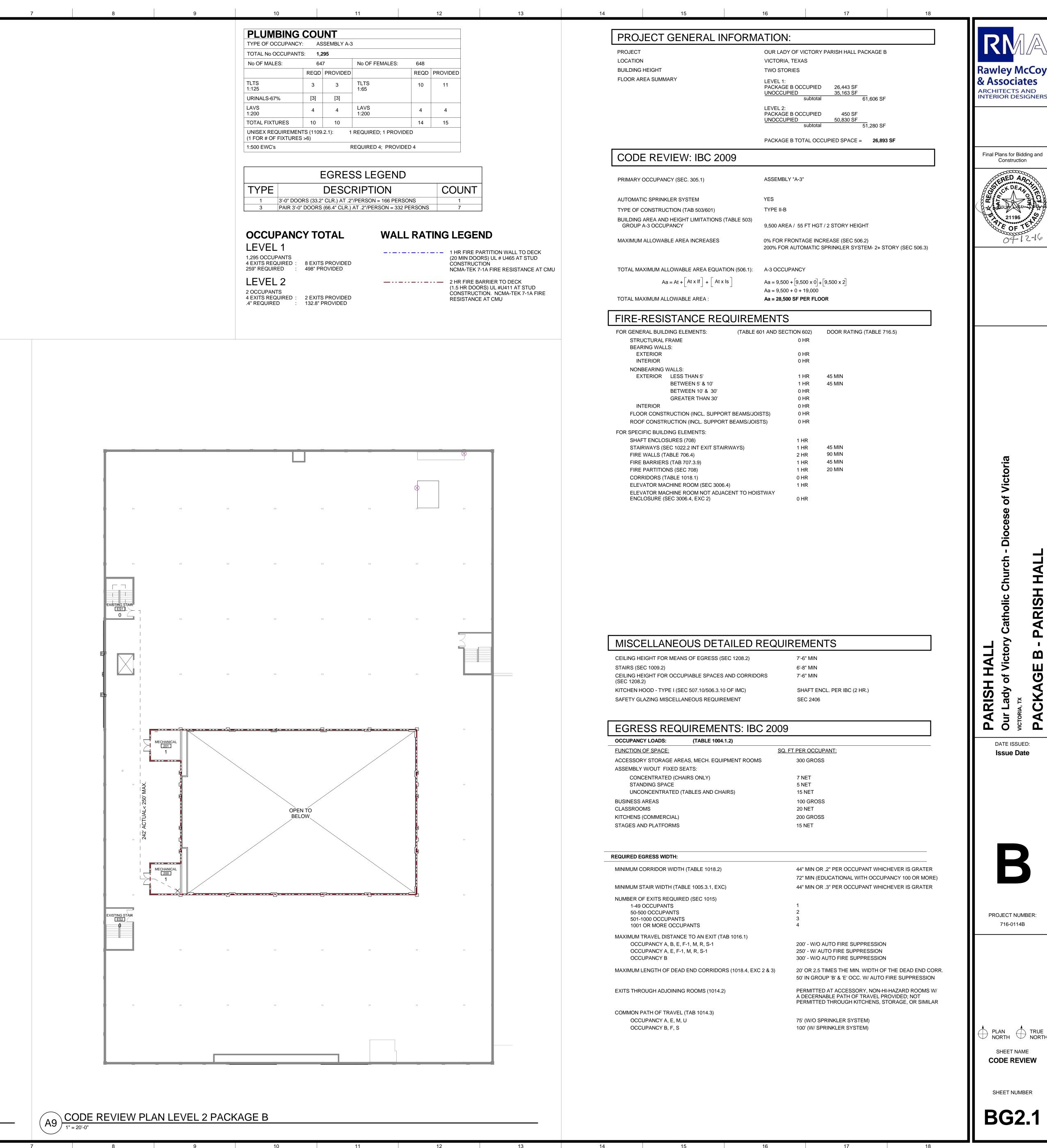


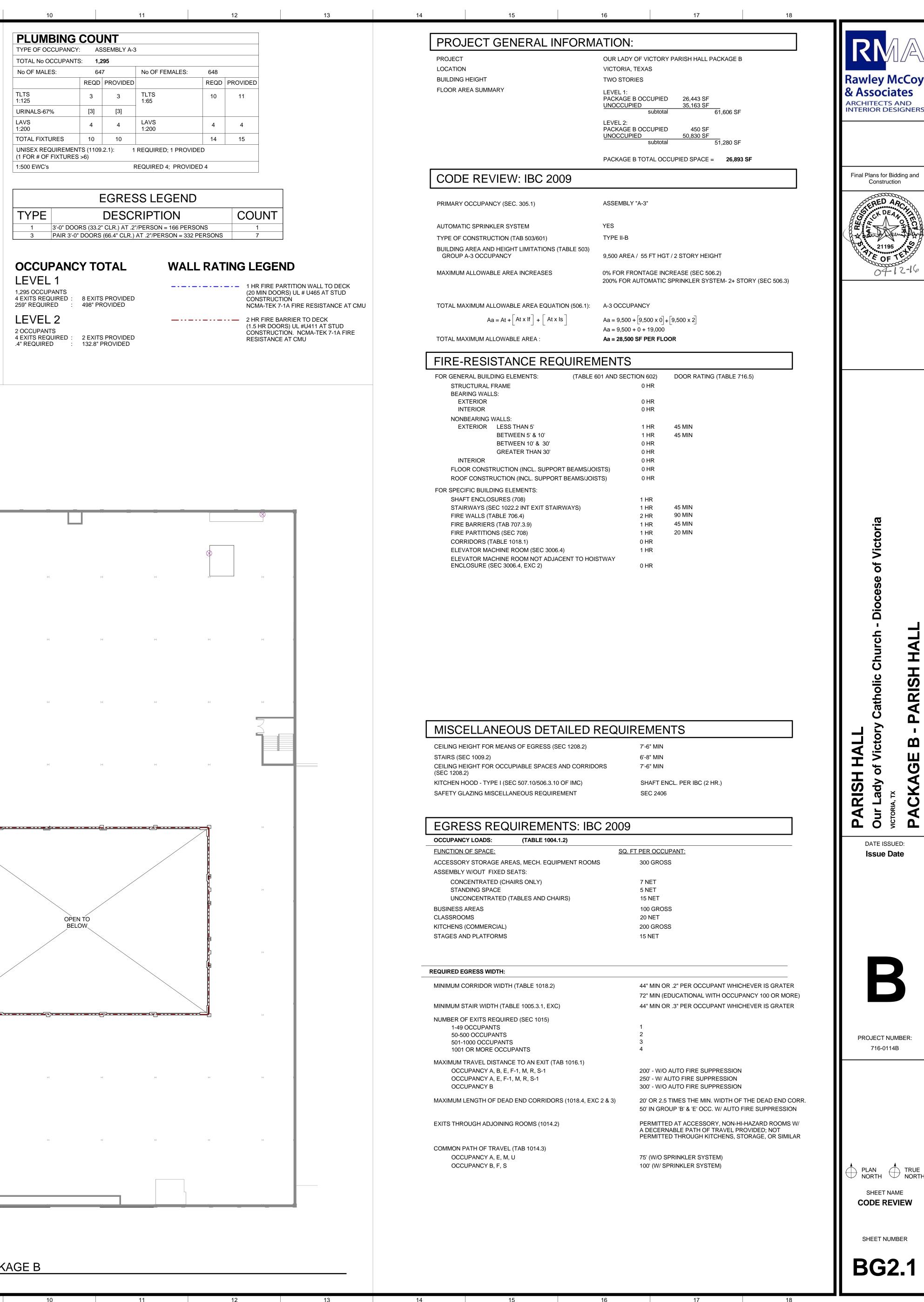
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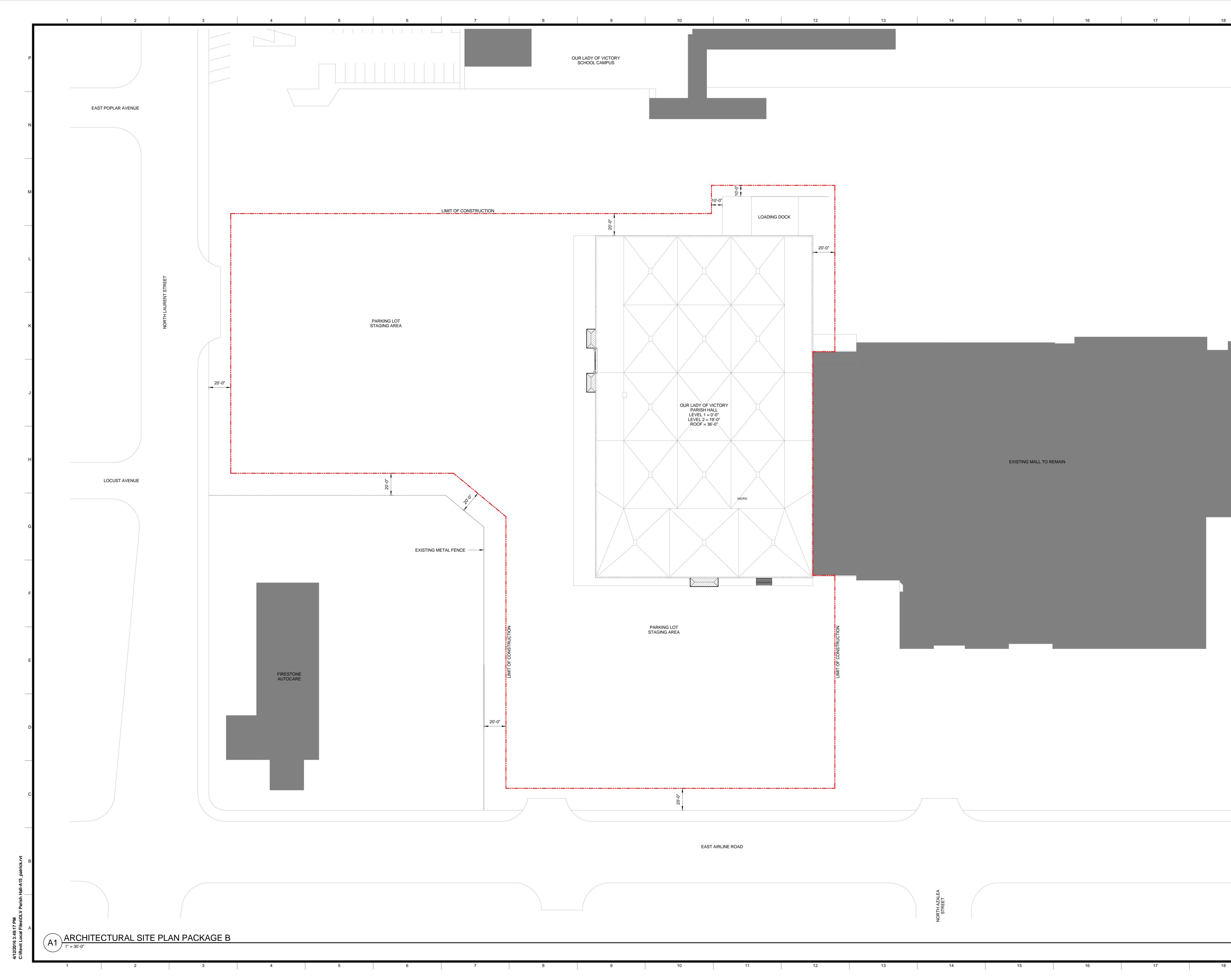
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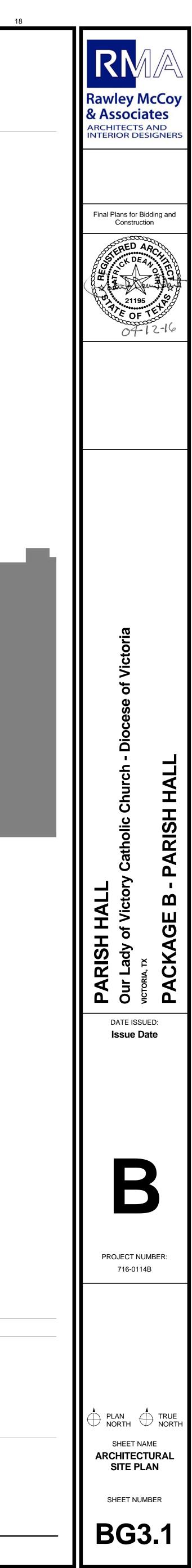
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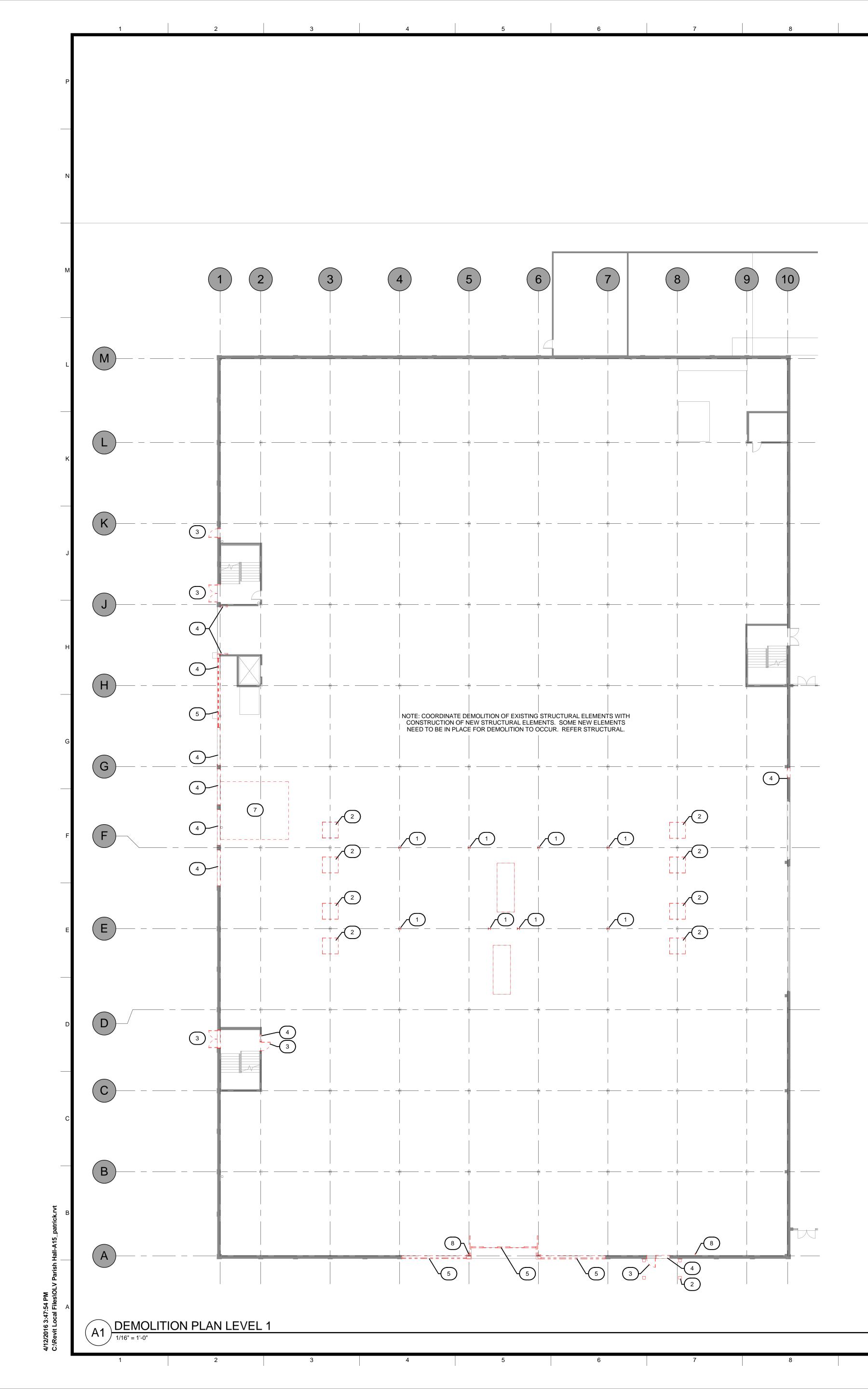


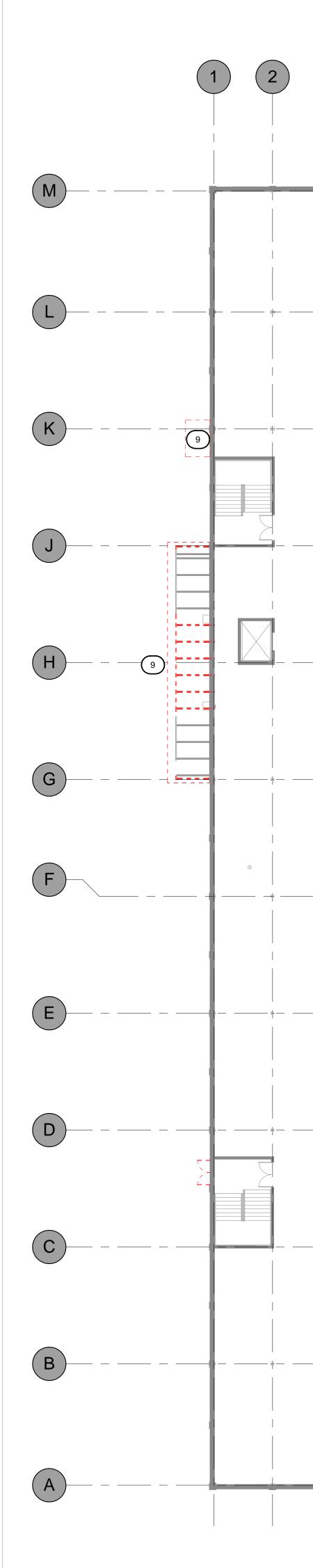












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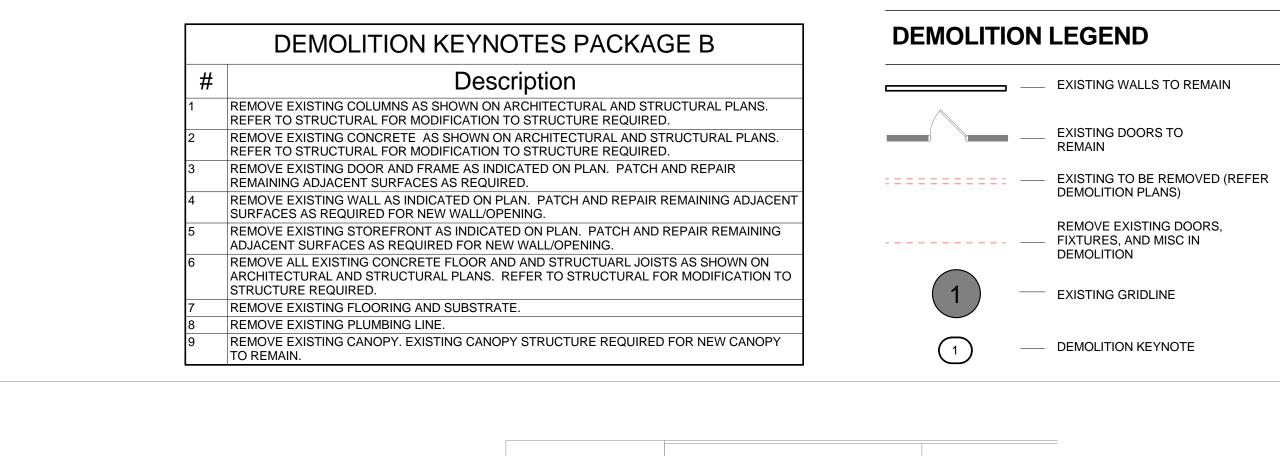
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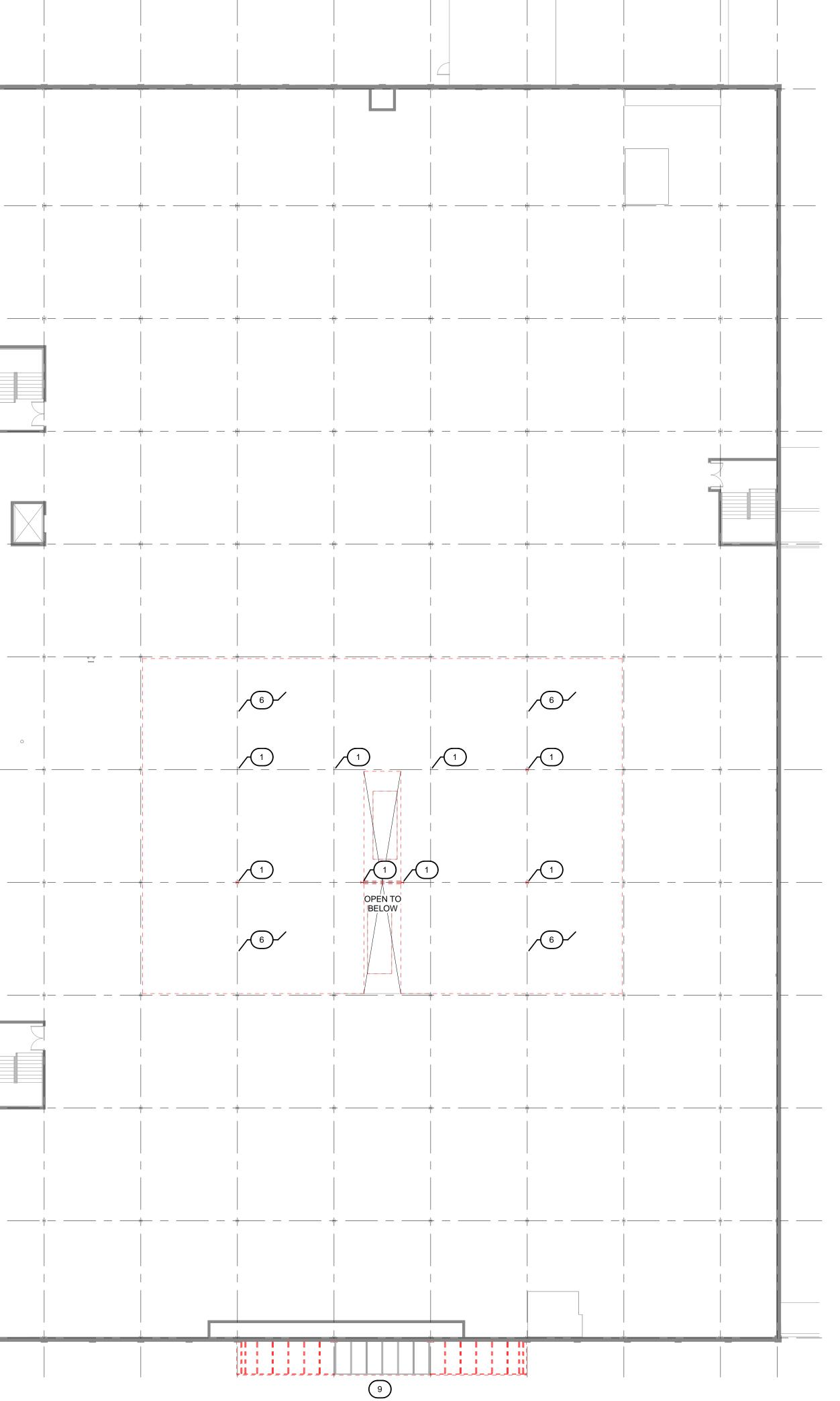
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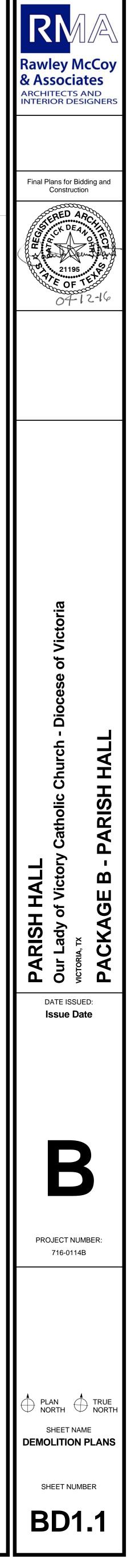
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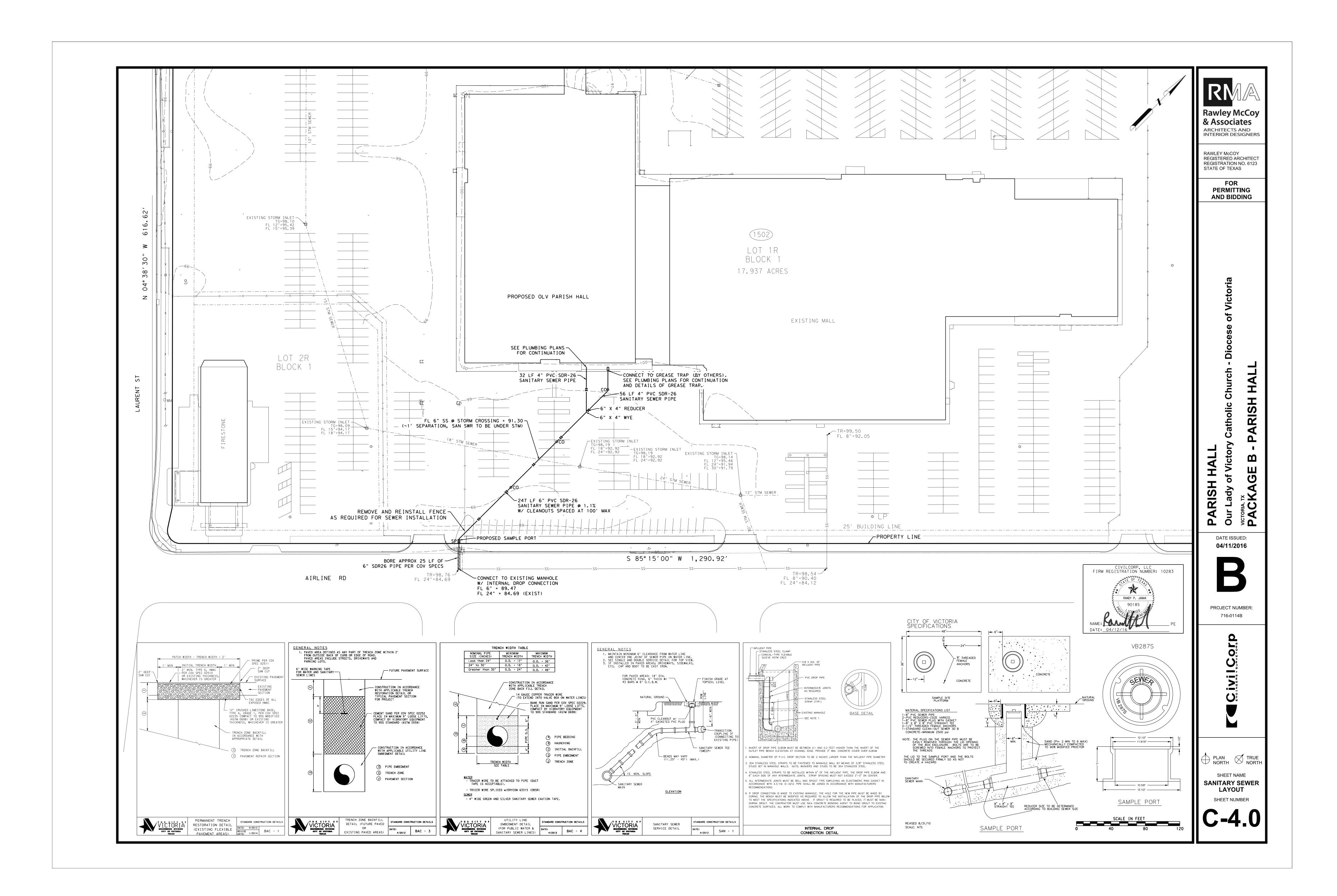


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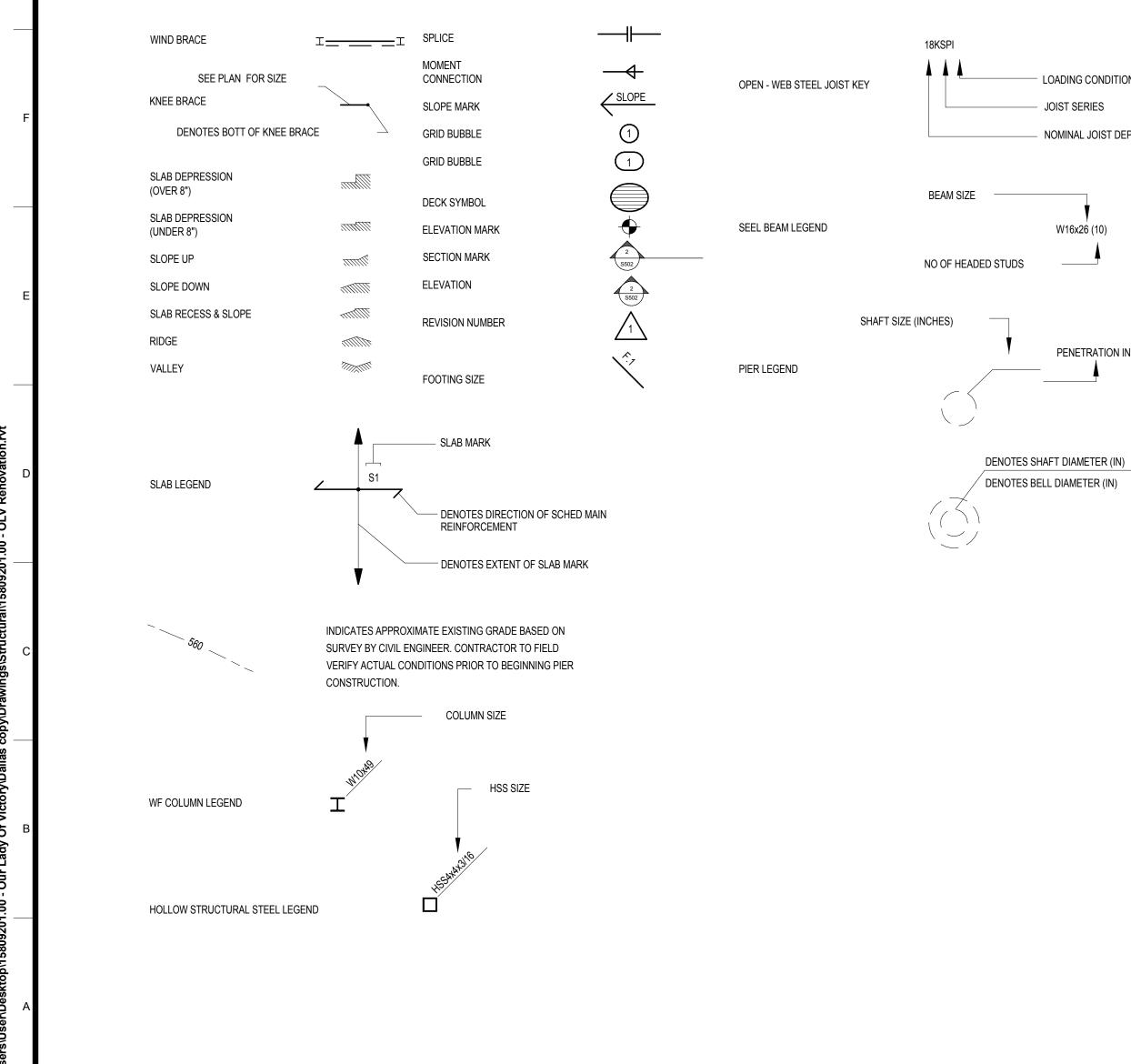
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	ABBREVIATIONS				
	AB	ANCHOR BOLT	LO	LOW	
	ALT		LLH	LONG LEG HORIZONTAL	
	ARCH, ARCH'L BLDG	ARCHITECT, ARCHITECTURAL BUILDING	LLV	LONG LEG VERTICAL	
	BEDG	BEAM	LT WT	LIGHTWEIGHT	
	BOB	BOTTOM OF BEAM	MAX MCJ	MAXIMUM MASONRY CONTROL JOINT	
	BOD	BOTTOM OF DECK	MCJ	MASONRY CONTROL JOINT MOMENT CONNECTION	
	BOS	BOTTOM OF STEEL	MECH	MECHANICAL	
	BRG	BEARING	MEZZ	MEZZANINE	
	CB CFMF	CASTELLATED BEAM COLD-FORMED METAL FRAMING	MFR	MANUFACTURER	
	CFMF	COLD-FORMED METAL FRAMING	MID	MIDDLE	
	CL	CENTERLINE	MIN		
	CLR	CLEAR	MO	MASONRY OPENING	
	CMU	CONCRETE MASONRY UNIT	MTL N	METAL NORTH	
	COL	COLUMN	NTS	NOT TO SCALE	
	CONC	CONCRETE	OC	ON CENTER	
	CONNX		ОН	OPPOSITE HAND	
	CONT D	CONTINUOUS DIAMETER	OPNG	OPENING	
	DBL	DOUBLE	PL	PLATE	
	DEF	DEFORMED, DEFINITION	PLYWD		
	DET	DETAIL	PSI PSF	POUNDS PER SQUARE INCH POUNDS PER SQUARE FOOT	
	DIA	DIAMETER	R	RADIUS	
	DIAG	DIAGONAL	REINF	REINFORCED, REINFORCEMENT	
	DN	DOWN	REF	REFER, REFERENCE	
	DWG		REQ'D	REQUIRED	
	EF EJ	EACH FACE EXPANSION JOINT	SCHED	SCHEDULE	
	EL	ELEVATION	SCJ	SAWN CONTROL JOINT	
	EOS	EDGE OF SLAB	SF	SQUARE FEET	
	EQ	EQUAL	SHT SIM	SHEET SIMILAR	
	EQ SPA	EQUAL SPACE	SPA	SPACES	
	EW	EACH WAY	SQ	SQUARE	
	EXIST		STD	STANDARD	
	FF EL FOA	FINISH FLOOR ELEVATION FACE OF ANGLE	STL	STEEL	
	FOC	FACE OF CONCRETE	STRUCT	STRUCTURE, STRUCTURAL	
	FOM	FACE OF MASONRY	TEMP	TEMPERATURE, TEMPORARY	
	FT	FEET	TOC TOM	TOP OF CONCRETE TOP OF MASONRY	
	FV	FIELD VERIFY	TOM	TOP OF STEEL	
	Fy	YIELD STRESS	TOW	TOP OF WALL	
	GA		TYP	TYPICAL	
	GALV GLULAM	GALVANIZED GLUED-LAMINATED BEAM	UNO	UNLESS NOTED OTHERWISE	
	HC	HOLLOW CORE	VERT	VERTICAL	
	HI	HIGH	W/		
	HORIZ	HORIZONTAL	WB WBBP	WIND BRACE WIND BRACE BASEPLATE	
	HS	HEADED STUDS	WBBI	WORKING POINT	
	HSS	HOLLOW STRUCTURAL SECTION	WT	WEIGHT	
	INFO		WWF	WELDED-WIRE FABRIC	
	INT JST	INTERIOR			
	JST	JOIST JOINT			
	KB	KNEE BRACE			
	L	ANGLE, ANGLE SHAPE			
	LB	POUND, CELLULAR BEAM			
	LF	LINEAR FOOT			
	LG	LENGTH			
	LO	LOW			

STRUCTURAL PLAN SYMBOLS AND LEGENDS



GENERAL NOTES

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PRIOR TO EXECUTING ANY WORK INDICATED IN THESE DOCUMENTS, THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND SHALL REPORT ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THOSE OF THE ARCHITECT AND ALL PROJECT CONSULTANTS OR ANY ERROR, OMISSION OR DIFFICULTY AFFECTING HIS WORK TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.

ALL DETAILS AND SECTIONS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR

SITUATION ELSEWHERE, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN. DIMENSIONS SHOWN ON STRUCTURAL PLANS, SECTIONS, AND DETAILS TAKE PRESIDENT OVER SCALE.

THE DESIGN LOADS LISTED IN THE STRUCTURAL DESIGN CRITERIA, SHALL NOT BE EXCEEDED THE DESIGN LIVE LOAD PER SQUARE FOOT DURING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR CONSTRUCTION LOADS AND TEMPORARY SHORING AND / OR BRACING TO KEEP ALL ELEMENTS OF THE STRUCTURE PLUMB AND IN TRUE ALIGNMENT DURING ALL PHASES OF CONSTRUCTION. BRACING MEMBERS SHOWN ON STRUCTURAL DRAWINGS ARE REQUIRED FOR THE COMPLETED STRUCTURE AND MAY NOT BE ADEQUATE DURING CONSTRUCTION.

PRINCIPAL OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR OTHER OPENINGS AND TO VERIFY THE LOCATION AND SIZE OF OPENINGS THAT ARE SHOWN.

GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DEVIATION IN THE SIZE OR LOCATION OF OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS OR RELATED MATERIALS.

STRUCTURAL MEMBERS AND FOUNDATIONS SUPPORTING MECHANICAL EQUIPMENT HAVE BEEN DESIGNED FOR THE WEIGHT OF THE UNITS SHOWN ON THE STRUCTURAL DRAWINGS. GENERAL CONTRACTOR TO VERIFY MECHANICAL LOADS AND LOCATIONS, ANY CHANGES IN SIZE, WEIGHT, OR QUANTITY OF UNITS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS OR RELATED MATERIALS. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ANCHORS, INSERTS, REGLETS AND EMBEDDED ITEMS NOT SHOWN ON STRUCTURAL DRAWINGS.

CONCRETE TRUCKS, CRANES, OR OTHER VEHICLES ARE NOT TO BE PERMITTED ON THE SLAB ON GRADE WITHOUT PRIOR WRITTEN AGREEMENT OF THE ARCHITECT / ENGINEER. CONSTRUCTION EQUIPMENT WITH WHEEL LOADS GREATER THAN 2000 LBS NOT PERMITTED ON STRUCTURAL FLOOR SLABS

CONCRETE

CONCRETE FOR FOUNDATIONS (I.E. PIERS, SHAFTS, MUD-SLABS) IS TO BE OF NORMAL WEIGHT AND IS TO DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

CONCRETE FOR SLAB-ON-GRADE IS TO BE NORMAL WEIGHT AND IS TO DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS.

CONCRETE FOR ALL OTHER STRUCTURES (I.E. GRADE BEAMS, RETAINING WALLS, COLUMNS, BEAMS) IS TO BE OF NORMAL WEIGHT AND IS TO DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. THE WATER/CEMENT RATIO SPECIFIED IS NOT TO BE EXCEEDED TO ARRIVE AT AN ACCEPTABLE SLUMP FOR WORKABILITY PURPOSES. CONCRETE IS TO HAVE A MAXIMUM SLUMP AS NOTED BELOW:

FOUNDATION SYSTEM: NOT LESS THAN 1" OR MORE THAN 5". DRILLED PIERS: NOT LESS THAN 5" OR MORE THAN 6 1/2".

WITHOUT AGREEMENT OF THE ARCHITECT / ENGINEER.

CONCRETE IS TO BE DESIGNED, MIXED, TRANSPORTED AND PLACED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE. MAXIMUM SIZE OF COARSE AGGREGATE IS TO BE 1 1/2".

MAXIMUM SIZE FOR COARSE AGGREGATE IS TO BE 3/4" FOR NORMAL WEIGHT/LIGHTWEIGHT CONCRETE CAST ON COMPOSITE/CORRUGATED STEEL FLOOR DECK. OTHER NORMAL WEIGHT CONCRETE IS TO HAVE 1 1/2" MAXIMUM SIZE COARSE AGGREGATE.

UPLIFT PROTECTION IS TO BE PROVIDED BY BACKFILL RETAINERS AT LOCATIONS WHERE BACKFILL LEVEL IS ABOVE BOTTOM OF BEAM.

SLEEVES OR OTHER PENETRATIONS CAN BE ALLOWED THROUGH STRUCTURAL MEMBERS ONLY WITH PRIOR WRITTEN AGREEMENT OF ARCHITECT/ENGINEER. REQUESTS FOR REVIEW ARE TO BE SUBMITTED IN WRITING A MINIMUM OF FIVE WORKING DAYS PRIOR TO THE CONCRETE POUR.

CONTINUOUS WATERSTOP IS TO BE USED AT JOINTS WHERE DETAILED AND AT OTHER CONSTRUCTION JOINTS IN CONCRETE ELEMENTS BELOW FINISH GRADE.

REINFORCED MASONRY

THE MASONRY DESIGN HAS BEEN BASED ON A PRISM STRENGTH, fm = 1,500 psi

HOLLOW CONCRETE MASONRY UNITS SHALL MEET ASTM C90, NORMAL WEIGHT, TYPE N1, MINIMUM COMPRESSIVE STRENGTH OF 2,000 psi ON THE NET AREA OF THE BLOCK.

CMU MORTAR SHALL MEET ASTM C270 AND SHALL HAVE A COMPRESSIVE CUBE STRENGTH OF 1,800 psi AT 28 DAYS. PROVIDE TYPE N MORTAR FOR INTERIOR PARTITIONS ONLY, TYPE S FOR ABOVE-GRADE EXTERIOR WALLS AND TYPE M FOR BELOW GRADE WALLS.

CMU GROUT SHALL MEET ASTM C476 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 psi AT 28 DAYS. AGGREGATE SIZE SHALL NOT EXCEED 1/2 INCH.

HORIZONTAL JOINT REINFORCEMENT SHALL CONFORM TO ASTM A82.

PLACE REINFORCEMENT PRIOR TO GROUTING, AND SECURE VERTICAL REINFORCEMENT WITH POSITIONERS. REINFORCE CMU WALLS AND PROVIDE FOUNDATION DOWELS PER TYPICAL DETAILS. LAP VERTICAL BARS WITH CLASS A SPLICES UNLESS NOTED OTHERWISE. LAP HORIZONTAL JOINT REINFORCEMENT MIN. 12 INCHES AND PROVIDE CORNER AND TEE PIECES. AT FOUNDATION, IF THE BOTTOM OF THE FOOTING HAS TO STEP, THE TOP OF FOOTING IS TO BE MAINTAINED AT A STANDARD MASONRY BOND DIMENSION BELOW FINISH FLOOR ELEVATION. THE

EXCAVATION IS TO BE KEPT CLEAN UNTIL ALL VERTICAL STEEL AND ESPECIALLY THE FIRST COURSE OF CMU

MASONRY IS IN PLACE. GROUT VERTICAL CELLS, BOND BEAMS AND LINTELS AS DETAILED.

ARCHITECTURAL DRAWINGS FOR LOCATION)

DRAWINGS.

LOCATE VERTICAL CONTROL JOINTS IN CMU WALLS AT MAX. 20 ft. ON CENTER (COORDINATE WITH THE

REFER TO ARCHITECTURAL DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN AND JOINT TYPE. USE OPEN UNITS FOR STACKED BOND PATTERN AND BOND BEAM UNITS AT HORIZONTAL REINFORCING.

DISCONTINUE HORIZONTAL JOINT REINFORCEMENT AND BOND BEAM REINFORCEMENT AT CONTROL JOINTS.

LOW LIFT CONSTRUCTION, MAXIMUM GROUT POUR HEIGHT IS 5 FT. ON BOTH SIDES OF LOAD BEARING WALL OPENINGS 4'-0" OR WIDER, PROVIDE 1 - #5 BAR IN THE FIRST VERTICAL CELL AND GROUT SOLID WITH 2500 PSI COARSE MASONRY GROUT UNLESS OTHERWISE SHOWN OR NOTED ON THE

STEEL JOISTS AND STRUCTURAL STEEL ARE TO BE CLEAR OF MASONRY AND MORTAR IN WALLS, EXCEPT AS CONNECTED WITH MASONRY ANCHORS OR TIES AS DETAILED.

STEEL WIDE FLANGE MISCELLANEOUS ST HOLLOW STEEL SEC STEEL PIPE SECTION ALL STEEL IS TO BE D

UTILIZED WITHOUT PF DURING THE BIDDING I

FABRICATION.

ALL BEAM CONNECTIONS NOT DETAILED ARE TO BE DOUBLE OR SINGLE ANGLE "FRAMED BEAM CONNECTIONS" AS SHOWN IN THE AISC "MANUAL OF STEEL CONSTRUCTION", USING 3/4" DIAMETER A325 BOLTS. UNLESS NOTED OTHERWISE, CONNECTIONS ARE TO BE DESIGNED TO SUPPORT 50% OF THE UNIFORM LOAD CAPACITY OF ROOF AND NON-COMPOSITE BEAMS AND 75% OF THE NON-COMPOSITE UNIFORM LOAD CAPACITY FOR COMPOSITE BEAMS. WELDING IS TO CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY AND THE AISC, AND IS TO BE PERFORMED ONLY BY CERTIFIED WELDERS. STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO THE EXTERIOR IS TO BE HOT DIP GALVANIZED AFTER FABRICATION, EXCEPT AS NOTED ON THE DRAWINGS.

CONTRACTOR IS TO PROVIDE FOR AN ADDITIONAL ----- TONS OF FABRICATED STEEL (INCLUDING ERECTION IN FORM OF SHAPES, PLATES, ETC.) DURING THE PROGRESS OF WORK AS MAY BE DIRECTED BY THE ARCHITECT/ENGINEER IN ADDITION TO STEEL INDICATED ON DRAWINGS. IF STEEL IS NOT ALL USED DURING THE COURSE OF THE PROJECT, OWNER IS TO RECEIVE A CREDIT FOR THE PORTION NOT USED.

DUCTS OR OTHER EQUIPMENT INTERRUPTS HORIZONTAL BRIDGING, SUPPLY DIAGONAL BRIDGING IN BAYS ADJACENT TO INTERRUPTED BAY.

JOIST GIRDERS ARE TO CONFORM TO THE LATEST AISC-SJI SPECIFICATIONS. BOTTOM CHORDS OF JOIST GIRDERS ARE TO BE STABILIZED DURING ERECTION TO PREVENT OVERTURNING PER MANUFACTURERS RECOMMENDATION OR METHOD RECOMMENDED BY THE ARCHITECT/ENGINEER.

INTERIOR ZONE END ZONE CORNER ZONE

<u>DEKING</u>

DEPTH GAGE MIN. SECTION MODULUS MIN. MOMENT OF INERTIA MIN. YIELD STRENGTH FINISH

MEMBERS WITH 5/8" PUDDLE WELDS SPACED AT 12" ON CENTER MAXIMUM.

MAXIMUM. (B deck)

LOADING CONDITION SEE GENERAL NOTES NOMINAL JOIST DEPTH

PENETRATION INTO BEARING STRATA (FT.)

DENOTES SHAFT DIAMETER (IN)

STRUCTURAL STEEL

STRUCTURAL STEEL IS TO CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS, AND IS TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATIONS.

ge sections	ASTM A992, GRADE 50
Steel Sections	ASTM A36
Ections	ASTM A500, GRADE B
Ons	ASTM A53, GRADE B
PRIOR APPROVAL FROM THE STR	ADA) MILLED AND FABRICATED. FOREIGN STEEL IS NOT TO BE UCTURAL ENGINEER. THE APPROVAL PROCESS IS TO TAKE PLACE LIZE FOREIGN STEEL MADE AFTER BIDDING WILL BE REJECTED.

THE FOLLOWING REQUIREMENTS ARE TO GOVERN IF FOREIGN OR IMPORTED STRUCTURAL STEEL IS ALLOWED BY THE STRUCTURAL ENGINEER: THE CONTRACTOR IS TO ISSUE A LETTER GUARANTEEING THAT THE STEEL CONFORMS TO THE PROVISIONS OF ASTM A6 AS WELL AS THE APPROPRIATE ASTM SPECIFICATION ON STEEL STRENGTH NOTED ABOVE. IF FOREIGN OR IMPORTED STRUCTURAL STEEL IS USED, THEN THE CONTRACTOR MUST RANDOMLY TEST 5% OF THE IMPORTED STRUCTURAL SHAPES FOR QUALITY AND CONFORMANCE OF THE ASTM SPECIFICATIONS PRIOR TO

OPEN WEB STEEL JOISTS

STEEL JOISTS ARE TO CONFORM TO THE LATEST AISC-SJI SPECIFICATIONS AND AS OTHERWISE SPECIFIED. PROVIDE BRIDGING & CAMBER FOR STEEL JOISTS IN COMPLIANCE WITH MANUFACTURERS REQUIREMENTS. WHERE AIR

BOTTOM CHORDS OF JOISTS IN LINE WITH COLUMNS ARE TO BE EXTENDED AS DETAILED.

OPEN WEB STEEL JOISTS ARE TO BE DESIGNED BASED ON THE FOLLOWING CONDITIONS:

A. ROOF SYSTEM PROVIDES NO DIAPHRAGM STIFFNESS. JOISTS ARE BRACED AT 5'-0" INTERVALS BY ROOF PURLINS. (** Use for roof system- pre-engineered building with purlin.) NET DESIGN WIND UPLIFT: (** To be verify/edit based on wind speed & load.)

B. JOISTS ARE TO SUSTAIN THE FOLLOWING DESIGN LOADS UNLESS OTHERWISE NOTED ON THE PLAN. LIVE LOAD = 20 PSF (NO L.L. REDUCTION ALLOWED) DEAD LOAD = 20 PSF (INCLUDES WEIGHT OF JOISTS, ONLY 10 PSF OF DEAD LOAD IS SUPERIMPOSED ON TOP CHORD) C. DOWNWARD ACTING DEFLECTIONS ARE NOT TO EXCEED THE FOLLOWING: 19 PSF 1. DEFLECTION DUE TO LIVE LOAD ONLY, = (1/360) X SPAN 25 PSF 2. DEFLECTION DUE TO TOTAL LOAD INCLUDING JOIST AND BRIDGING SELF WEIGHT = (1/240) X SPAN. 40 PSF AT LOCATIONS OF EXPOSED JOISTS AND INSULATED CONCRETE FILL ON SLOTTED BOOF DECKING. THE JOIST MANUFACTURER IS NOT TO PRIME THE TOP SIDE OF THE TOP CHORD OF THE JOIST WHERE THE DECKING IS ATTACHED. OPEN WEB STEEL JOIST SUPPLIER IS TO SUBMIT SHOP DRAWINGS PREPARED UNDER THE SUPERVISION OF A LICENSED ENGINEER IN THE STATE OF TEXAS TO THE ARCHITECT/ENGINEER FOR REVIEW FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. SEE THE SPECIFICATIONS FOR OTHER SUBMITTAL REQUIREMENTS.

1 1/2 IN

0.169

0.143

33,000 PSI

GALVANIZED

COMPOSITE STEEL FLOOR DECK OVER SECOND FLOOR:

THE STEEL ROOF/FLOOR DECK IS TO BE FASTENED TO ROOF STRUCTURAL MEMBERS USING 5/8" PUDDLE WELDS WITH WELD WASHERS OR #12 TEK SCREWS IN A 30/4 PATTERN AT STRUCTURAL MEMBERS WITH SIDELAP FASTENERS OF TWO #10 TEK SCREWS AT EACH SPAN. FASTEN PERIMETER DECK EDGES TO EDGE

REFER TO ARCHITECTURAL DETAILS FOR ROOF DECK TERMINATION CONDITIONS.

THE STEEL ROOF DECK IS TO BE FASTENED TO ROOF STRUCTURAL MEMBERS USING 5/8" PUDDLE WELDS IN A 36/4 PATTERN AT STRUCTURAL MEMBERS WITH SIDELAP FASTENERS OF TWO #10 TEK SCREWS AT EACH SPAN. FASTEN PERIMETER DECK EDGES TO EDGE MEMBERS WITH 5/8" PUDDLE WELDS SPACED AT 12" ON CENTER

ALL STEEL DECK SHALL COMPLY WITH STEEL DECK INSTITUTE (SDI) SPECIFICATIONS.

WELDING

WELDED CONSTRUCTION SHALL CONFORM TO THE FOLLOWING AMERICAN WELDING SOCIETY

	ITEM	SPECIFICATION					
	STRUCTURAL STEEL	AWS D1.1					
	METAL DECK	AWS D1.3					
	REINFORCING STEEL	AWS D1.4					
CTRC	TRODES FOR FIELD AND SHOP WELDS SHALL BE E70XX, U.N.O.						

* ELECTRODES FOR WELDING OF REINFORCING STEEL SHALL BE E80XX. * ELECTRODES FOR WELDING OF METAL DECK SHALL CONFORM TO AWS D1.3.

* WHEN WELDS ARE NOT CALLED OUT ON THE DRAWINGS, THEY ARE MINIMUM SIZE FILLET WELDS PER AWS D1.1. FILLET WELDS NOT SPECIFIED AS TO LENGTH ARE CONTINUOUS.

* ALL GROOVE WELDS ARE FULL PENETRATION UNLESS NOTED OTHERWISE.

DESIGN LIVE LOADS

HEAVY STORAGE

MINIMUM DESIGN LIVE LOADS ARE IN ACCORDANCE WITH THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) DESIGN LOADS ARE:

ROOF	20 PSF
CORRIDORS (AT 1 ST FLOOR ONLY)	100 PSF
CORRIDORS (AT 2 ND FLOOR)	80 PSF
GYMNASIUM	100 PSF
KITCHEN	50 PSF
MECHANICAL AREAS	150 PSF
STORAGE AREAS	100 PSF
TOILET AREAS	50 PSF
HEAVY STORAGE	250 PSF

FLOOR LIVE LOADS HAVE BEEN REDUCED IN ACCORDANCE WITH THE METHOD PRESCRIBED IN THE ABOVE REFERENCED BUILDING CODE.

WIND DESIGN DATA

BASIC WIND SPEED (3 SECOND GUST) EXPOSURE CATEGORY INTERNAL PRESSURE COEFFICIENT IMPORTANCE FACTOR (Iw)

EARTHQUAKE DESIGN DATA

SEISMIC IMPORTANCE FACTOR (Ie) SPECTRAL RESPONSE ACCELERATION (Ss) SPECTRAL RESPONSE ACCELERATION (S1) SITE CLASS SPECTRAL RESPONSE COEFFICIENT (Sds) SPECTRAL RESPONSE COEFFICIENT (Sd1) SEISMIC DESIGN CATEGORY BASIC SEISMIC FORCE SYSTEM DESIGN BASE SHEAR SEISMIC RESPONSE COEFFICIENT (Cs) RESPONSE MODIFICATION FACTOR (R) ANALYSIS PROCEDURE USED

1.15

110 MPH

+/- 0.18

0.12 0.08 BUILDING FRAME SYSTEM 0.078*W 0.078

EXISTING STRUCTURAL & EXISTING CONDITIONS

CONTRACTOR IS TO NOTIFY ENGINEER OF QUESTIONABLE EXISTING STRUCTURAL COMPONENTS (MASONRY WALLS, STEEL BEAMS & LINTELS, EXPOSED FOUNDATIONS, ETC.) AND FRAMING CONNECTIONS WHEN ENCOUNTERED.

GRIDLINES ARE SHOWN ON THE STRUCTURAL DRAWINGS AND THESE REFLECT ASSUMED ARCHITECTURAL AND STRUCTURAL DIMENSIONS. IN MOST CASES, GRID LINES COINCIDE WITH EXISTING COLUMN AND PILASTER CENTERLINES. IF ACTUAL FIELD DIMENSIONS VARY, NOTIFY ARCHITECT OR ENGINEER.

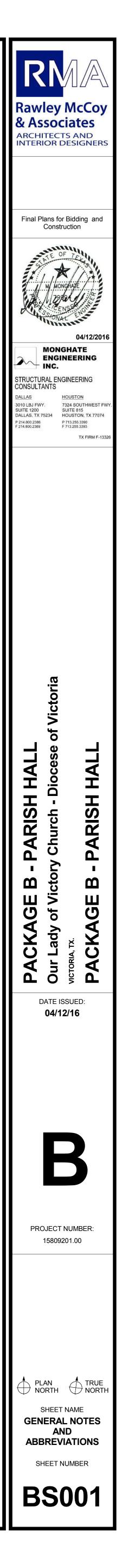
CONTRACTOR IS TO VERIFY EXACT LOCATION OF ALL EXISTING STRUCTURAL COMPONENTS THAT WILL BE CONNECTED TO NEW FRAMING PRIOR TO STEEL FABRICATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING DIMENSIONS AND COORDINATE THESE DIMENSIONS WITH THE STEEL FABRICATOR PRIOR TO STEEL FABRICATION TO ENSURE ARCHITECTURAL AND STRUCTURAL DESIGN CONCEPT. CONTRACTOR SHALL NOTIFY ARCHITECT AND/OR ENGINEER OF DISCREPANCES.

CONTRACTOR IS TO FURNISH ENGINEER A PROPOSED SEQUENCE OF EXISTING COMPONENT REMOVAL. METHODS OF SAW CUTTING, TEMPORARY SHORING AND OTHER PERTINENT TASKS RELATING TO EXISTING COMPONENT REMOVAL ARE TO BE SUBMITTED TO THE ARCHITECT/ENGINEER

FOR REVIEW AND TO VERIFY THAT WORK IS IN GENERAL CONFORMANCE.

STRUCTURAL DOCUMENTS SHALL NOT BE REPRODUCED TO BE USED AS PORTION OF STRUCTURAL SHOP DRAWINGS

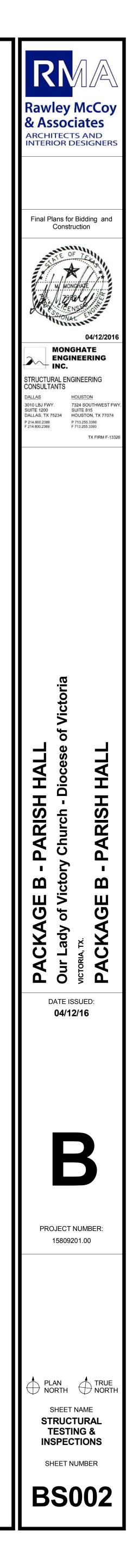
STRUCTURAL INDEX SHEETS						
SHEET #	SHEET NAME					
BS001	GENERAL NOTES AND ABBREVIATIONS					
BS002	STRUCTURAL TESTING & INSPECTIONS					
BS111	FOUNDATION PLAN					
BS121	SECOND FLOOR FRAMING PLAN					
BS131	ROOF FRAMING PLAN					
BS250	BUILDING SECTIONS					
BS251	BUILDING SECTIONS					
BS252	BUILDING SECTIONS					
BS301	CONCRETE DETAILS					
BS401	TYPICAL MASONRY & STEEL DETAILS					
BS501	STEEL DETAILS					
BS502	STEEL DETAILS					

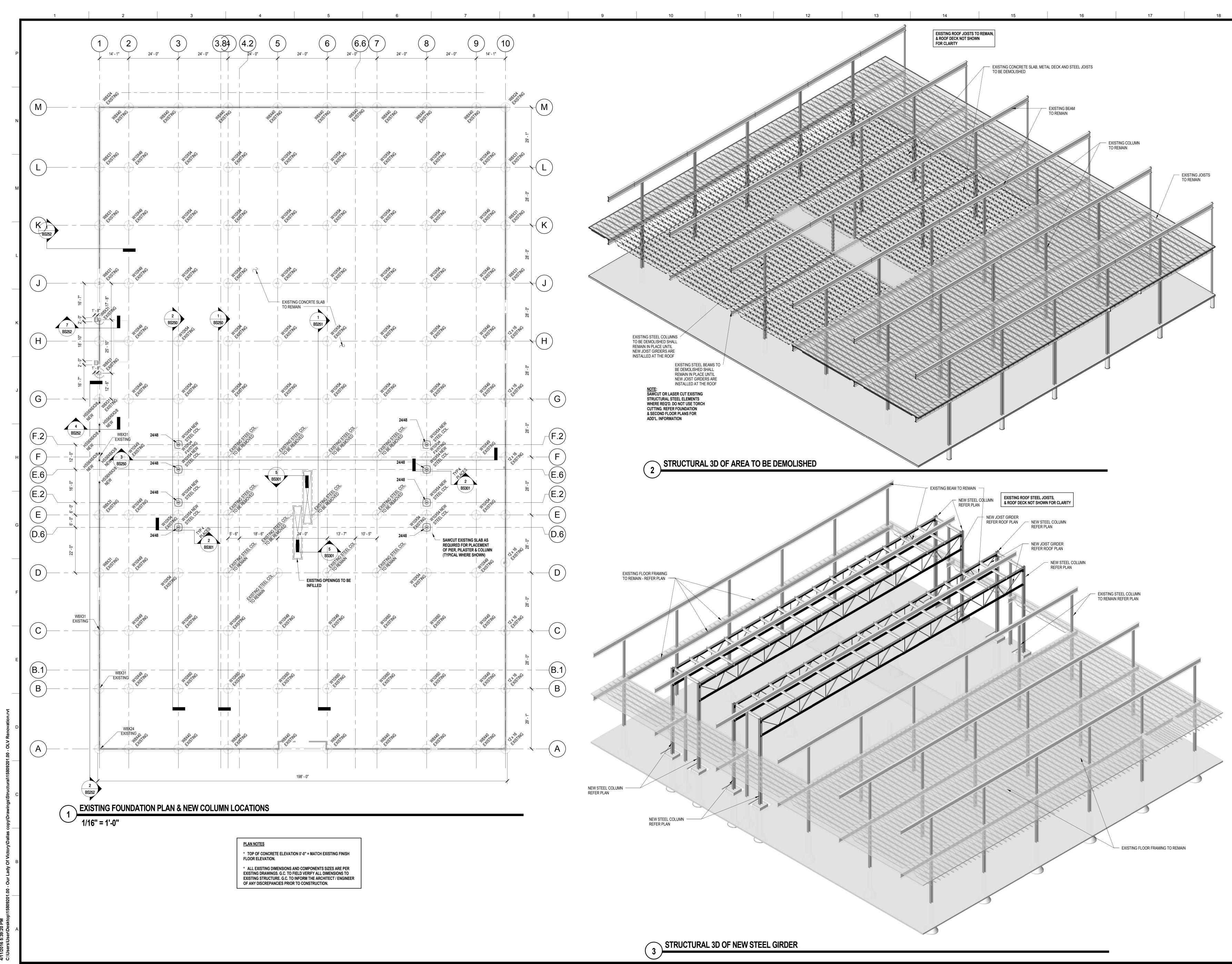


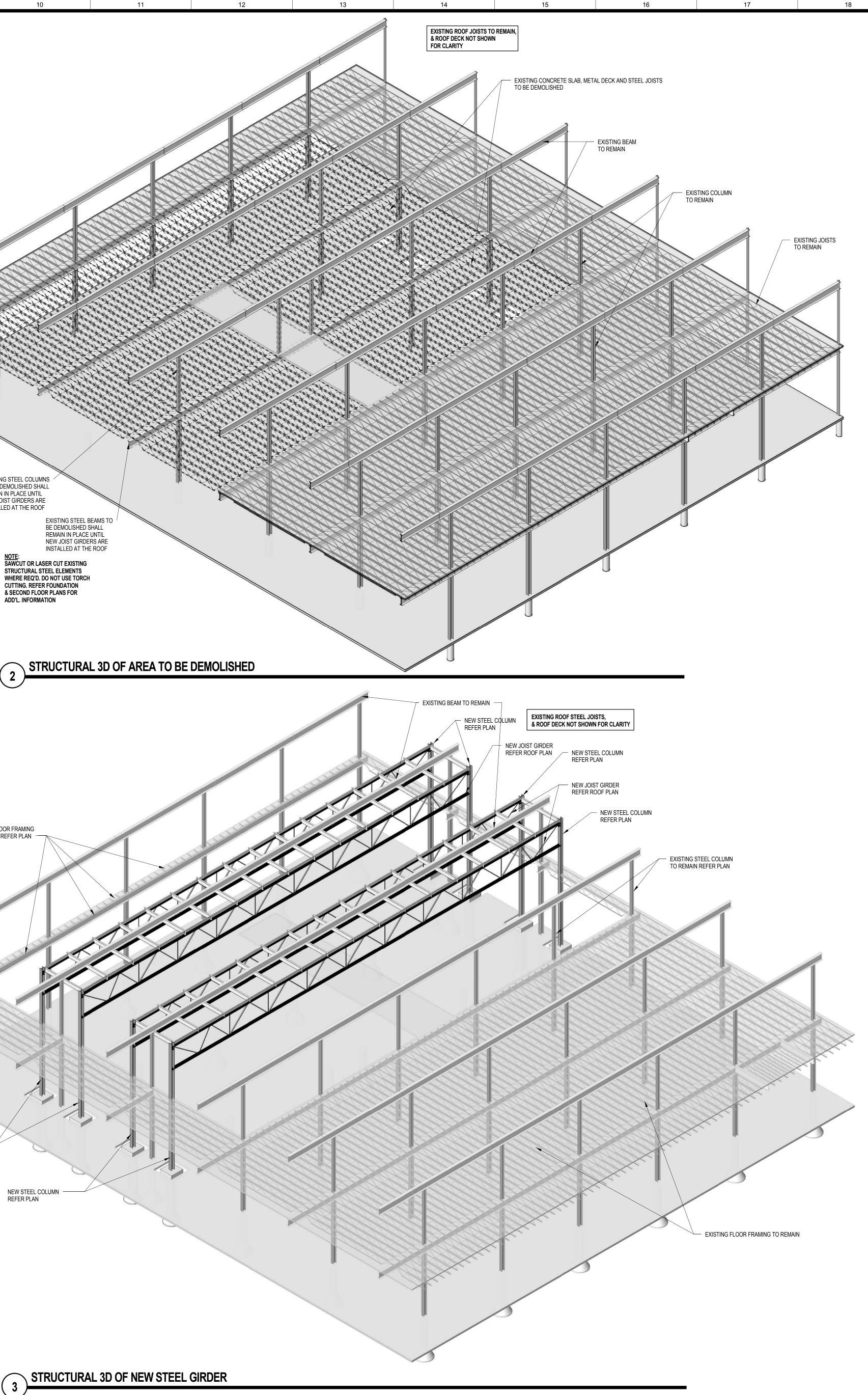


REQUIRED INSPECTION VERIFICATION, OR TEST	VERIFICATION MONITORING FREQUENCY	TYPE AND/OR FREQUENCY OF TESTING	IBC SECTION & REFERENCE CRITERIA	INSPECTOR QUALIFICATIONS	REQUIRED INSPECTION VERIFICATION, OR TEST	VERIFICATION MONITORING FREQUENCY	TYPE AND/OR FREQUENCY OF TESTING	IBC SECTION & REFERENCE CRITERIA	INSPECTOR QUALIFICATIONS	REQUIRED INSPECTION VERIFICATION, OR TEST	VERIFICATION MONITORING FREQUENCY	TYPE AND/OR FREQUENCY OF TESTING	IBC SECTION & REFERENCE CRITERIA	
		1. SOILS				TREQUENCI	4. STEEL CONSTRUCTION					7. MASONRY CONSTRUCTION	ORTERA	
A. SITE PREPARATION	PERIODIC	AT THE CONTRACTOR'S EXPENSE, INSTRUMENT READINGS SHALL BE TAKEN BY A LICENSED SURVEYOR TO VERIFY FINAL SUBGRADE ELEVATIONS AND SLOPES.	IBC 1704.7.1 GEOTECHNICAL REPORT; STRUCTURAL NOTES	QUALIFICATIONS BASED ON ASTM D3740 LICENSED	A. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS	PERIODIC	1. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	IBC 1704.3 STRUCTURAL NOTES	TRAINED FIELD TECHNICIAN WITH	EMPIRICALLY DESIGNED MASONRY, GLASS UNIT MASONRY, AND MASONRY VENEER IN NON-ESSENTIAL FACILITIES.	SPECIAL INSPECTIONS NOT REQUIRED PER 1704.5.1	ENGINEERED MASONRY IN NON-ESSENTIAL FACILITIES AND EMPIRICALLY DESIGNED MASONRY IN ESSENTIAL FACILITIES.	IBC 1704.5	
2. PROOFROLLING OBSERVATIONS	CONTINUOUS	PROOFROLLING SHALL BE MONITORED BY A GEOTECHNICAL ENGINEER.THE GEOTECHNICAL ENGINEER SHALL APPROVE THE TYPE OF ROOFROLLING EQUIPMENT AND PROCEDURES.	GEOTECHNICAL REPORT; STRUCTURAL NOTES	SURVEYOR QUALIFICATIONS BASED ON ASTM D3740		PERIODIC	2. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC 335, SECTION A3.4; AISC LRFD,	ONE YEAR MIN. EXPERIENCE	A. AS MASONRY CONSTRUCTION BEGINS, TH	PERIODIC	1. PROPORTIONS OF SITE-PREPARED MORTAR.		
3. MOISTURE CONDITIONING & RECOMPACTION	CONTINUOUS OR PERIODIC	PROVIDE (1) ONE DENSITY TEST FOR EACH 2000 SQ. FT. REFER TO NOTES ON BUILDING PAD FOR TESTING SPECIFICATIONS.	GEOTECHNICAL REPORT; STRUCTURAL NOT	QUALIFICATIONS BASED ON ASTM ES D3740		PERIODIC	1. BEARING-TYPE CONNECTIONS.	SECTION A3.3 IBC 1704.3.3 STRUCTURAL	TRAINED FIELD	FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE	PERIODIC	2. CONSTRUCTION OF MORTAR JOINTS. 3. LOCATION OF REINFORCEMENT AND CONNECTORS.		
		QUALITY CONTROLLED TESTING AND EVALUATION PRIOR AND	GEOTECHNICAL	QUALIFICATIONS	B. HIGH-STRENGTH BOLTING	CONTINUOUS	2. SLIP-CRITICAL CONNECTIONS.	NOTES AISC LRFD SECTION M2.5	TECHNICIAN WITH ONE YEAR MIN. EXPERIENCE		PERIODIC	4. PRESTRESSING TECHNIQUE		
B. CHEMICAL INJECTION	CONTINUOUS	SUBSEQUENT TO INJECTION SHALL BE PERFORMED BY THE GEOTECHNICAL ENGINEER TO DETERMINE THE EFFECTIVENESS OF THE CHEMICAL INJECTION PROCESS. THE GEOTECHNICAL ENGINEER OR HISREPRESENTATIVE SHALL MONITOR THE INJECTION PROCESS TO VERIFY AREA COVERAGE, INJECTION	REPORT; STRUCTURAL NOTES	BASED ON ASTM D3740	C. MATERIAL VERIFICATION OF STRUCTURAL STEEL	OR PERIODIC	1. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENT	IBC 1708.4; STRUCTURAL NOTES	TRAINED FIELD TECHNICIAN WITH ONE YEAR MIN.		PERIODIC	5. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.		
		DEPTH AND TO REVIEW AND MONITOR THE SWELL TEST RESULTS.				PERIODIC	2. MANUFACTURERS' CERTIFIED MILL TEST REPORTS.	ASTM A 6 OR ASTM A 568	EXPERIENCE		PERIODIC	1. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. 2. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER		
C. DURING FILL PLACEMENT	CONTINUOUS OR PERIODIC	VISUAL OBSERVATION: DURING PLACEMENT AND COMPACTION OF FILL,SPECIAL INSPECTOR SHALL DETERMINE THAT THE MATERIAL BEING USED AND THE MAXIMUM LIFT THICKNESS COMPLY WITH THE PROJECT REQUIREMENTS. PIT RUN MATERIALS SHALL BE	IBC 1704.7.2 GEOTECHNICAL REPORT; STRUCTURAL NOT	QUALIFICATIONS BASED ON ASTM D3740 ES	D. MATERIAL VERIFICATION OF WELD FILLER MATERIALS	PERIODIC	1. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	STRUCTURAL		B. THE INSPECTION PROGRAM SHALL VERIFY	PERIODIC	DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.		
		VISUALLY MONITORED BY THE TESTING LAB WITH ADDITIONAL SAMPLES TESTED EACH DAY, OR MORE OFTEN IF MATERIAL APPEARS TO VARY.				PERIODIC	2. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	AISC, ASD, SECTION A3.6;		PROGRAW SHALL VERIFT		 SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT. WELDING OF REINFORCING BARS. 		
D. EVALUATION OF IN-PLACE DENSITY OF FILL	CONTINUOUS OR PERIODIC	PROVIDE (1) ONE DENSITY TEST FOR EACH 2000 SQ. FT. REFER TO NOTES ON BUILDING PAD FOR TESTING SPECIFICATIONS.	IBC 1704.7.3 GEOTECHNICAL REPORT; STRUCTURAL	QUALIFICATIONS BASED ON ASTM D3740		CONTINUOUS	2. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED. 1. COMPLETE & PARTIAL PENETRATION GROOVE WELDS.	AISĆ LRFD, SECTIO A3.5 IBC 1704.3.1; STRUCTURAL NOTE	CWI		PERIODIC	5. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40F) OR HOT WEATHER (TEMPERATURE ABOVE 90F).		
		PLACEMENT OF CLAY CAP SHALL BE MONITORED BY	NOTES IBC 1704.7.3	QUALIFICATIONS	E. WELDING OF	CONTINUOUS	2. MULTIPASS FILLET WELDS.				PERIODIC	6. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	IBC 1704.5.1 AND 1704.5.2	
E. CLAY CAP	CONTINUOUS OR PERIODIC	GEOTECHNICAL ENGINEER WITH A WRITTEN REPORT SENT TO STRUCTURAL ENGINEER.	GEOTECHNICAL REPORT; STRUCTURAL	BASED ON ASTM D3740	STRUCTURAL STEEL	CONTINUOUS	3. SINGLE-PASS FILLET WELDS > 5/16" 4. SINGLE PASS FILLET WELDS < 5/16"	AWS D1.1	CWI	C. PRIOR TO GROUTING,	PERIODIC	1. GROUT SPACE IS CLEAN.		
		2A. PILE FOUNDATIONS	NOTES			PERIODIC	5. FLOOR AND DECK WELDS.	AWS D1.3		THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE	PERIODIC	2. PLACEMENT OF REINFORCEMENT AND CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES.		
PILE INSTALLATION			IBC 1704.8 GEOTECHNICAL REPORT;	GEOTECHNICAL		PERIODIC	1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN A706.				PERIODIC	3. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.		
			STRUCTURAL NOTES	ENGINEER			2. REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY	,			PERIODIC	4. CONSTRUCTION OF MORTAR JOINTS.		
A. THE GEOTECHNICAL		2B. PIER FOUNDATIONS 1. VERIFY THE BEARING STRATUM IS ENCOUNTERED AT THE	IBC 1704.9;	GEOTECHNICAL	F. WELDING OF REINFORCING STEEL	CONTINUOUS	ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.		CWI	D. GROUT PLACEMENT	CONTINUOUS	1. VERIFY COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENTS PROVISIONS.		
ENGINEER SHALL BE PRESENT DURING THE EXCAVATION OF	CONTINUOUS	ANTICIPATED DEPTH. 2. ADDRESS UNFORESEEN SUBSURFACE CONDITIONS, IF ANY. 3. VERIFY CONFORMANCE WITH THE FOUNDATION	GEOTECHNICAL REPORT; STRUCTURAL	ENGINEER QUALIFICATIONS BASED ON ASTM		CONTINUOUS	3. SHEAR REINFORCEMENT.	_			CONTINUOUS	2. GROUTING OF PRESTRESING BONDED TENDONS.		
B. ALL PIERS SHALL BE		RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND CONSTRUCTION DOCUMENTS.	NOTES IBC 1704.9;	E329 & ASTM C1077		PERIODIC	4. OTHER REINFORCING STEEL.			E. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR	CONTINUOUS			
OBSERVED AND MONITORED BYA REPRESENTATIVE OF THEGEOTECHNICAL ENGINEER	CONTINUOUS	1. CHECK REINFORCING SIZES, QUANTITY, AND CLEARANCES. 2. CHECK SHAFT PLUMBNESS, DEPTH AND SIZE. 3. CHECK CONCRETE AS SPECIFIED UNDER CONCRETE SECTION.	GEOTECHNICAL REPORT; STRUCTURRAL	QUALIFICATIONS BASED ON ASTM E329 & ASTM C1077	G. STEEL FRAME JOINT DETAILS: COMPLIANCE WITH APPROVED CONSTRUCTION	PERIODIC	1. DETAILS SUCH AS BRACING & STIFFENING.	IBC 1704.3.2 STRUCTURAL DRAWINGS	TRAINED FIELD TECHNICIAN WITH ONE YEAR MIN.	SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.				
		3. CONCRETE CONSTRUCTION	NOTES		DOCUMENTS	PERIODIC	2. MEMBER LOCATIONS. 3. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.		EXPERIENCE	F. COMPLIANCE WITH REQUIRED INSPECTION PROVISION OF THE				
		PROVIDE PERIODIC INSPECTION OF REINFORCING SIZES, SPACING, GRADE OF REBAR; AND PLACEMENT AT THE FOLLOWING	IBC 1704.4 ACI 318:	QUALIFICATIONS		PERIODIC	5. INSPECTION OF FABRICATORS OF STRUCTURAL ELEMENTS			CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS	PERIODIC			
A. REINFORCING STEEL	PERIODIC	FREQUENCY: COLUMNS: 10% BEAMS: 30% JOIST: 10% OTHER MEMBERS: RANDOMLY @ 20%	CH. 3.5, 7.1-7.7; STRUCTURAL NOTES	BASED ON ASTM E329			THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL			SHALL BE VERIFIED.		ENGINEERED MASONRY IN ESSENTIAL FACILITIES		
B. REINFORCING STEEL WELDING.		NO FIELD WELDING PERMITTED.	AWS D1.4 ACI 318:	CWI			OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY			A. FROM THE BEGINNING OF MASONRY CONSTRUCTION, T FOLLOWING SHALL BE VERIFIED TO ENSURE		PRESTRESSING GROUT FOR BONDED TENDONS.		
C. BOLTS TO BE INSTALLED			3.3.2	TECHNICIAN TRAINED IN FIELD OF			REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK. EXCEPTION: SPECIAL INSPECTIONS SHALL NOT BE REQUIRED	IBC 1704.2.1 IBC 1704.2.2		COMPLIANCE	PERIODIC	3. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND		
DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE	CONTINUOUS		IBC1704.4	WORK AND HAS AT LEAST ONE YEAR OF EXPERIENCE.	FABRICATION &	PERIODIC	WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR THAT IS ENROLLED IN A NATIONALLY ACCEPTED INSPECTIONS PROGRAM ACCEPTABLE TO THE REGISTERED DESIGN		CWI, LICENSED ENGINEER		PERIODIC	PRESTRESSING TENDONS AND ANCHORAGES.		
BEEN INCREASED.			ACI 318 - CH. 4,	QUALIFICATIONS	IMPLEMENTATION PROCEDURES		PROFESSIONAL IN RESPONSIBLE CHARGE. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO BUILDING OFFICIAL UPON				CONTINUOUS	4. GROUT SPACE PRIOR TO GROUTING. 5. PLACEMENT OF GROUT.		
CONCRETE MIX DESIGN	PERIODIC	EACH CONCRETE POUR	5.2 - 5.4	BASED ON ASTM C1077			REQUEST AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION	ס			CONTINUOUS	6. PLACEMENT OF PRESTRESSING GROUT.		
		1. ALL CONCRETE TESTING IS TO BE MADE AFTER WATER, IF ANY, IS ADDED AT SITE.2. PROVIDE A SET OF (4) FOUR CYLINDERS TO BE TAKEN FOR EVERY 75 CUBIC YARDS OF CONCRETE, OR FRACTION		QUALIFICATIONS BASED ON ASTM C1077			DOCUMENTS.				PERIODIC	1. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.		
E. SAMPLING OF FRESH CONCRETE.	CONTINUOUS EACH POUR	TAKEN FOR EVERY 75 CUBIC YARDS OF CONCRETE, OR FRACTION THEREOF, BY TESTING LAB.3. MONITOR SLUMP AND AIR CONTENT OF CONCRETE AND NOTIFY DELIVERY DRIVER IF SLUMP DEVIATES MORE THAN PERMITTED BY STRUCTURAL NOTES. CONTACT SUPPLIER FOR FURTHER DIRECTIONS.	ACI 318 - CH. 5.6, 5.8				6. WOOD CONSTRUCTION				CONTINUOUS	2. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	IBC 1704.5.3	
F. PLACEMENT OF			ACI 318 - CH. 5.9,	QUALIFICATIONS			INSPECT STRUCTURAL LOAD BEARING MEMBERS AND ASSEMBLIES	IBC 1704.6		B. THE INSPECTION PROGRAM SHALL VERIFY	PERIODIC	3. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT.		E
G. MAINTENANCE OF	CONTINUOUS		5.10	BASED ON ASTM C1077 QUALIFICATIONS			INSPECT STRUCTURAL LOAD BEARING MEMBERS AND ASSEMBLIES VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE				CONTINUOUS	4. WELDING OF REINFORCING BARS.5. PROTECTION OF MASONRY DURING COLD WEATHER		
SPECIFIED CURING TEMPERATURE TECHNIQUES.	PERIODIC	EACH CONCRETE POUR	ACI 318 - CH. 5.11, 5.13.	BASED ON ASTM C1077	A. PREFABRICATED		INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATORS ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS		TECHNICAL		PERIODIC	(TEMPERATURE BELOW 40F) OR HOT WEATHER (TEMPERATURE ABOVE 90F).		
H. PRE-STRESSED CONCRETE.	CONTINUOUS	 APPLICATION OF PRESTRESSING FORCE. GROUTING OF BOUNDED PRESTRESSING TENDONS IN SEISMIC-FORCE RESISTING SYSTEMS. 		QUALIFICATIONS BASED ON ASTM C1077 TRAINED FIELD	A. PREFABRICATED STRUCTURAL ELEMENTS & ASSEMBLIES	PERIODIC	INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENES: AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATORS SCOPE OF WORK. EXCEPTION: SPECIAL INSPECTIONS SHALL NOT BE REQUIRED WHERE THE FABRICATOR IS ENROLLED IN A NATIONALLY ACCEPTED INSPECTIONS PROGRAM ACCEPTABLE TO THE REGISTERED DESIGN	IBC 1704.2	TECHNICAL REPRESENTATIVE UNDER DIRECTION OF LICENSED ENGINEER	C. PREPARATION OF ANY	CONTINUOUS	6. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.		
I. ERECTION OF PRECASTCONCRETE MEMBERS.	PERIODIC			TECHNICIAN WITH ONE YEAR MIN. EXPERIENCE.			PROFESSIONALLY IS RESPONSIBLE CHARGE.			REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS	CONTINUOUS			
	EACH POUR	1. VERIFY IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS.								SHALL BE OBSERVED				
	PERIODIC	2. THE POST-TENSIONING ENGINEER, OR A MEMBER OF HIS STAFF, SHALL INSPECT THE TENDON PLACEMENT AND CHAIRING TO INSURE COMPLIANCE WITH THE INTENT OF THE DESIGN.		QUALIFICATIONS BASED ON ASTM	B. SITE BUILT ASSEMBLIES	PERIODIC	SITE BUILT ASSEMBLIES SHALL BE INSPECTED IN ACCORDANCE WITH IBC SECTION 1704.1	IBC 1704.1		REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED	6 PERIODIC			
J. POST-TENSIONED CONCRETE:	CONTINUOUS	3. CONTINUOUS INSPECTION IS REQUIRED DURING ALL STRESSING ACTIVITIES.	-	E329	C. DIAPHRAGMS	PERIODIC	HIGH LOAD DIAPHRAGMS SHALL BE INSPECTED IN ACCORDANCE W IBC SECTION 1704.1, AND SHEATHING CHECKED FOR PROPER GRADE, THICKNESS, SIZE OF FRAMING MEMBERS AT ADJOINING	/ITH 	LICENSED ENGINEER OR HIS/HER	SUBMITTALS SHALL BE VERIFIED.				
	CONTINUOUS	4. RECORDS OF ALL JACKING FORCES AND ELONGATIONS SHALL BE MADE IN ACCORDANCE WITH THE PTI FIELD MANUAL AND RECORDS SHALL BE PROMPTLY SUBMITTED TO THE ARCHITECT AND ENGINEER.	-				PANEL EDGES, NAIL/STAPLE DIAMETER AND LENGTH, FASTENER PATTERN, AND CONTINUITY OF LOAD PATH TO FOUNDATION.		REPRESENTATIVE.					
K. REMOVAL OF SHORES AND FORMS FROM BEAMS AND	,	VERIFY IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL.	ACI 318: CH. 6.2; STRUCTURAL	QUALIFICATIONS BASED ON ASTM	D. TRUSS BRACING	PERIODIC	CHECK THAT ALL REQUIRED PERMANENT AND LATERAL BRACING HABEEN INSTALLED ACCORDING TO STRUCTURAL DRAWINGS AND FABRICATOR DESIGN/SHOP DRAWINGS.	AS						

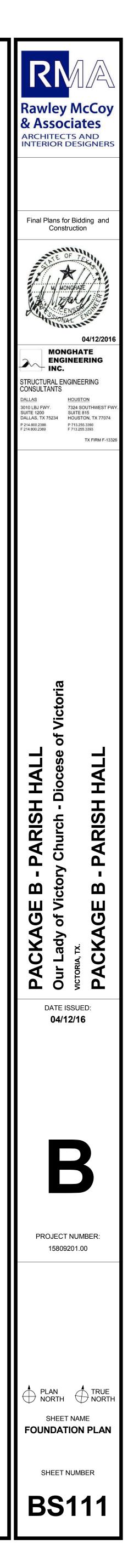


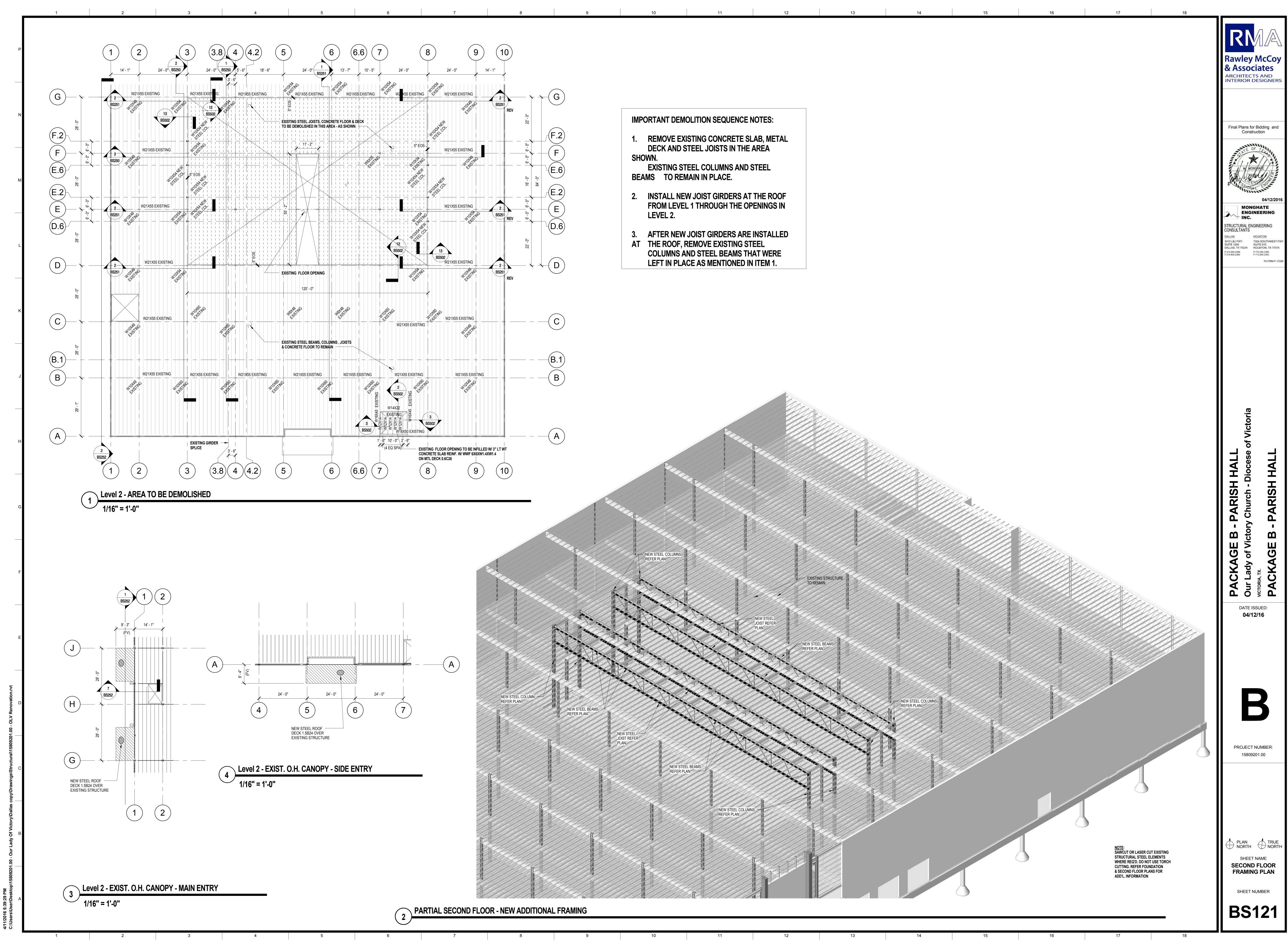


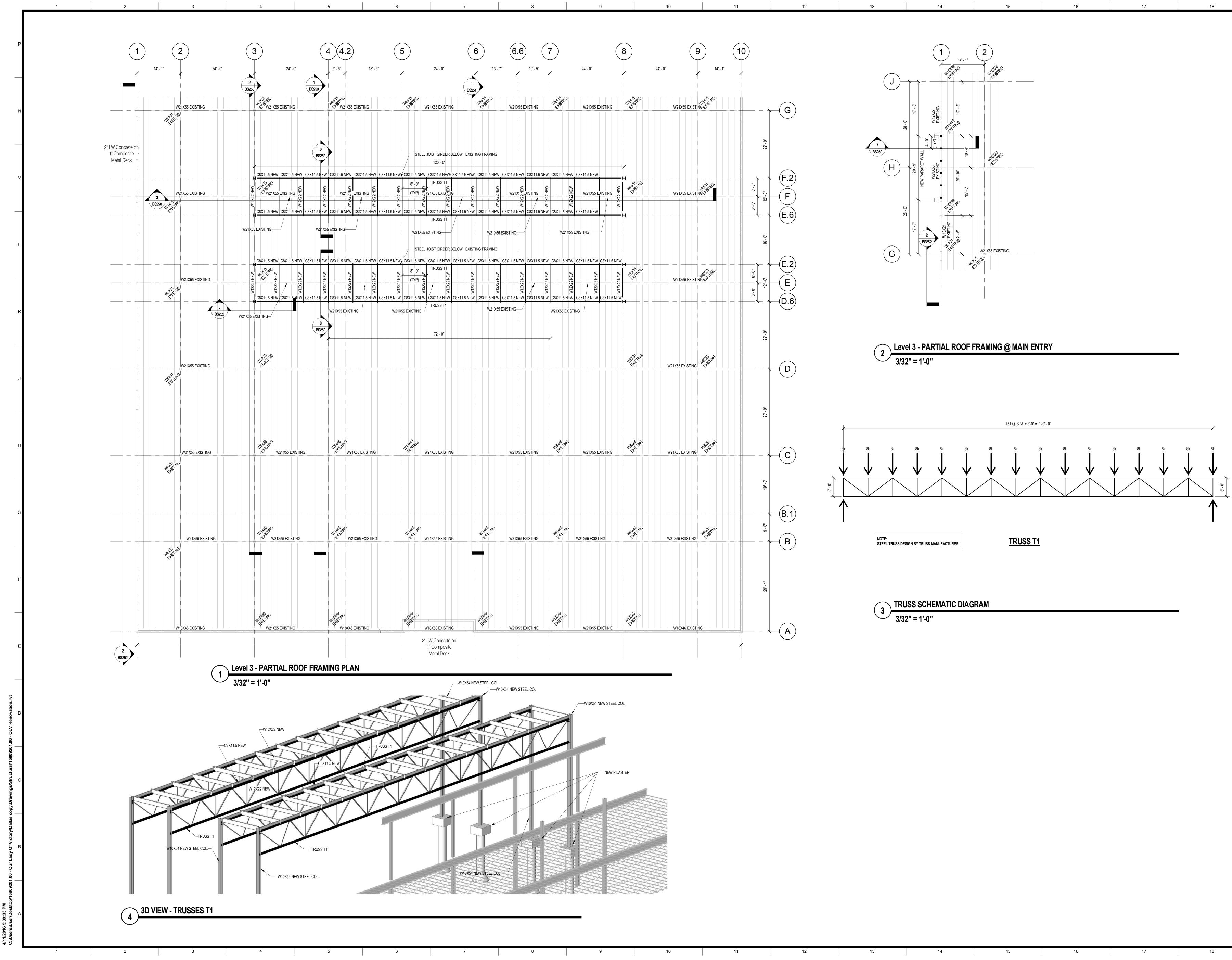


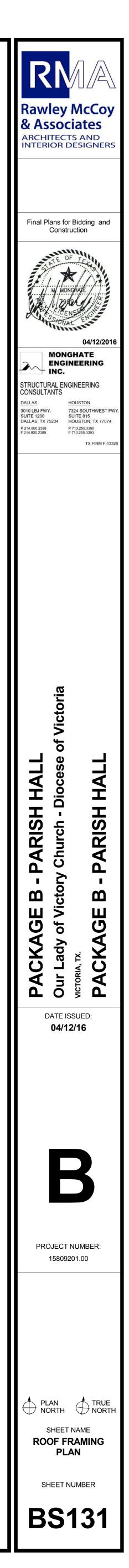


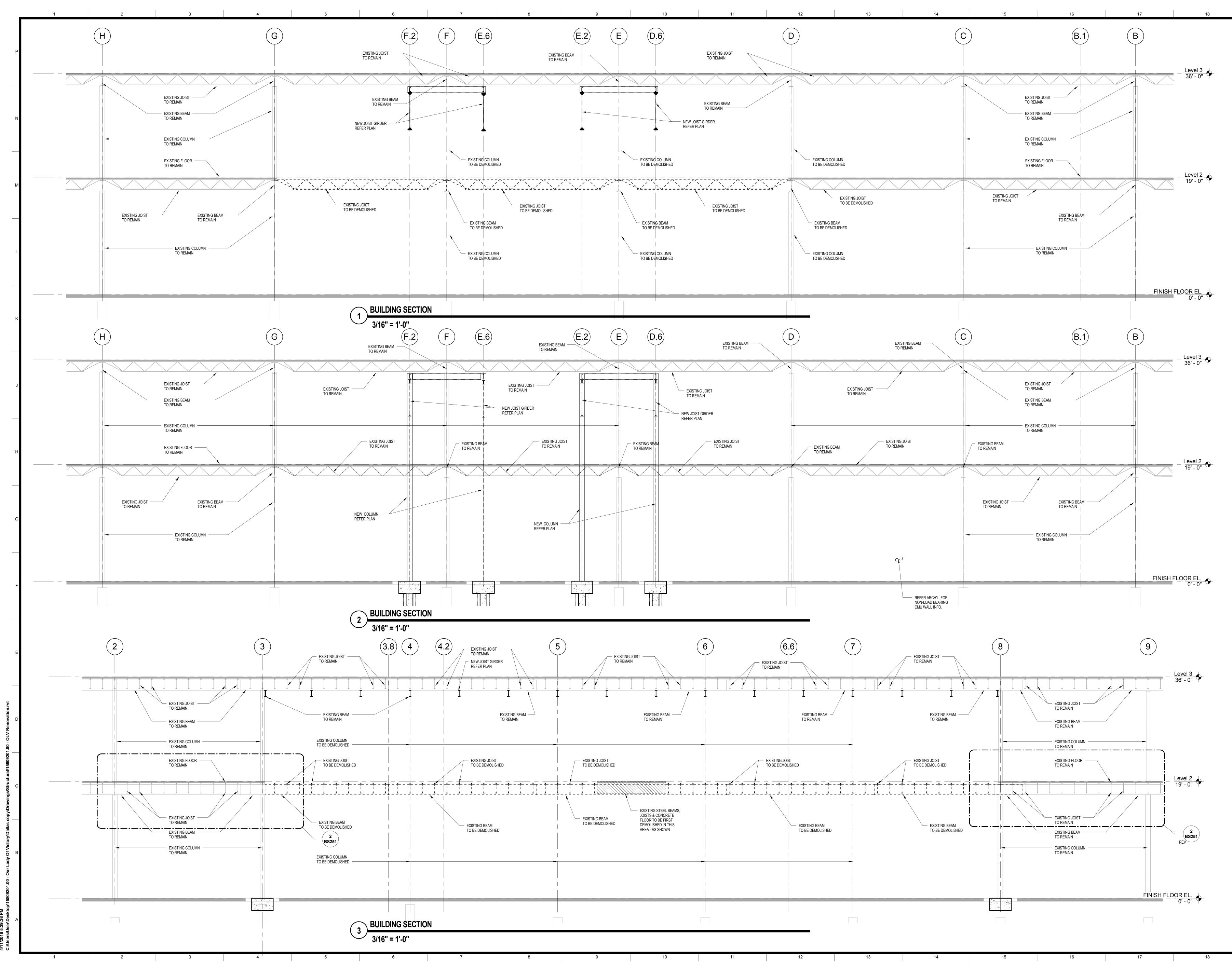


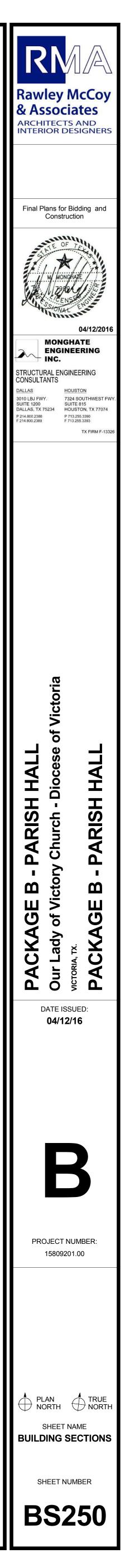


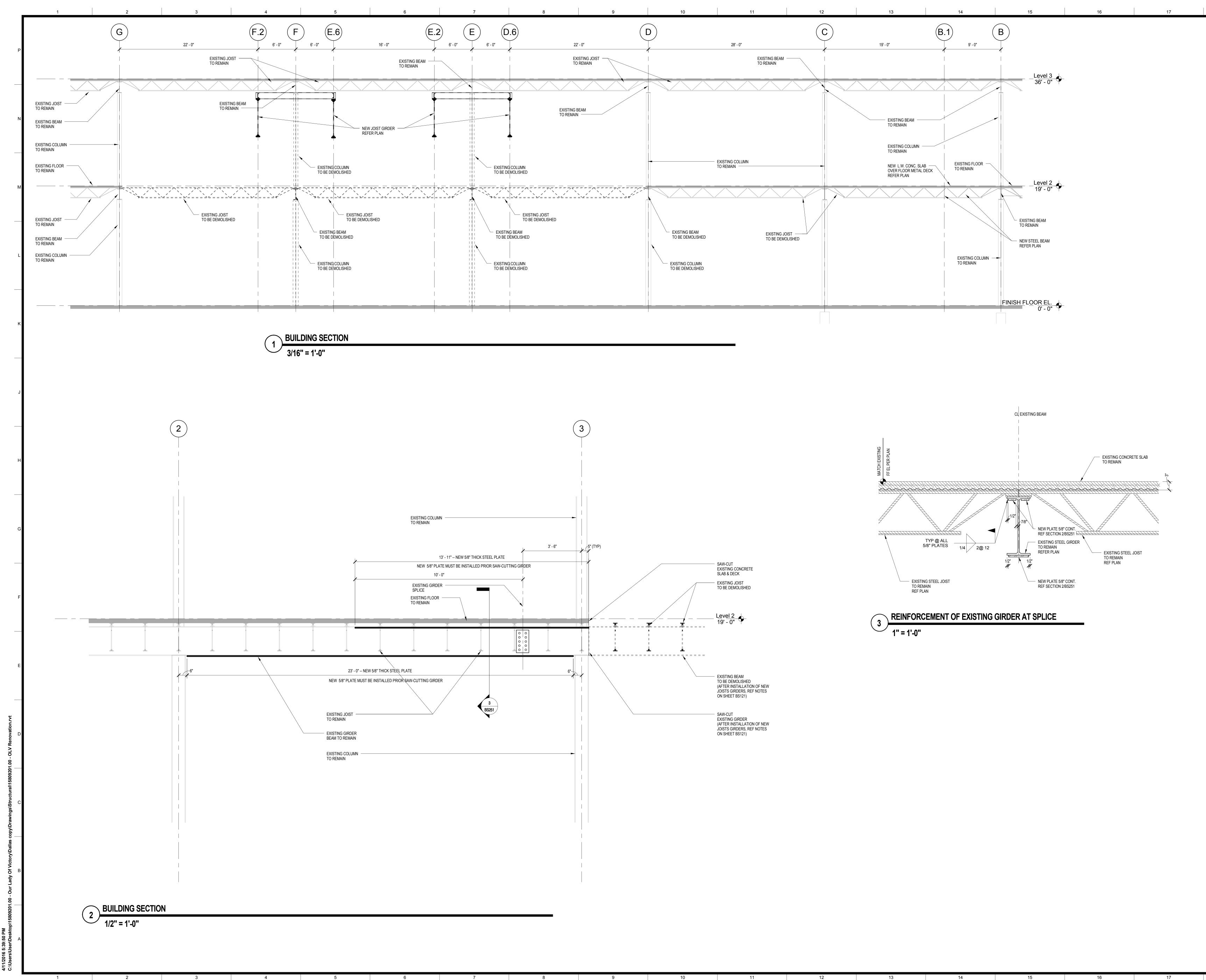


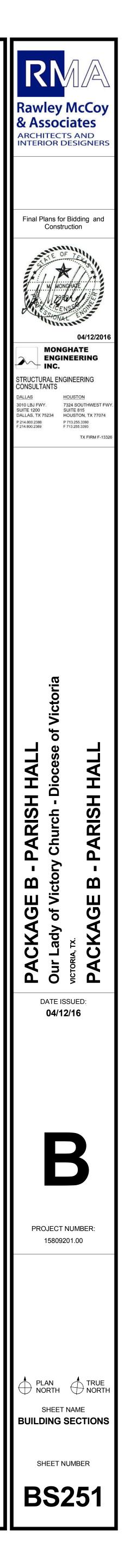


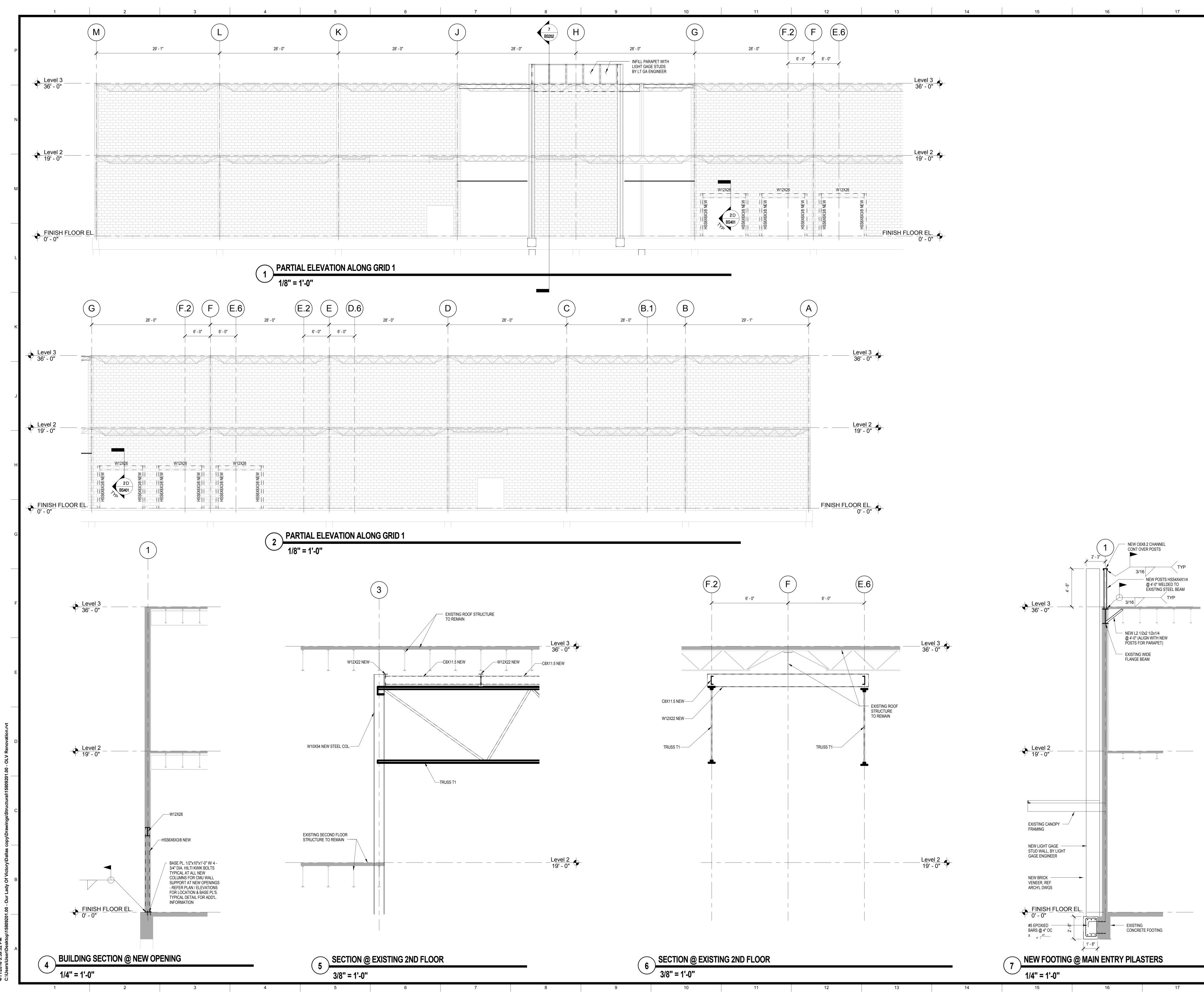


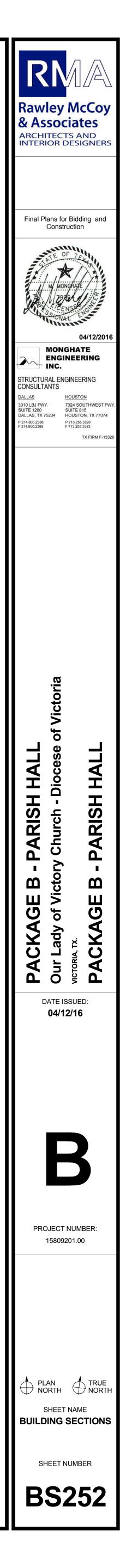


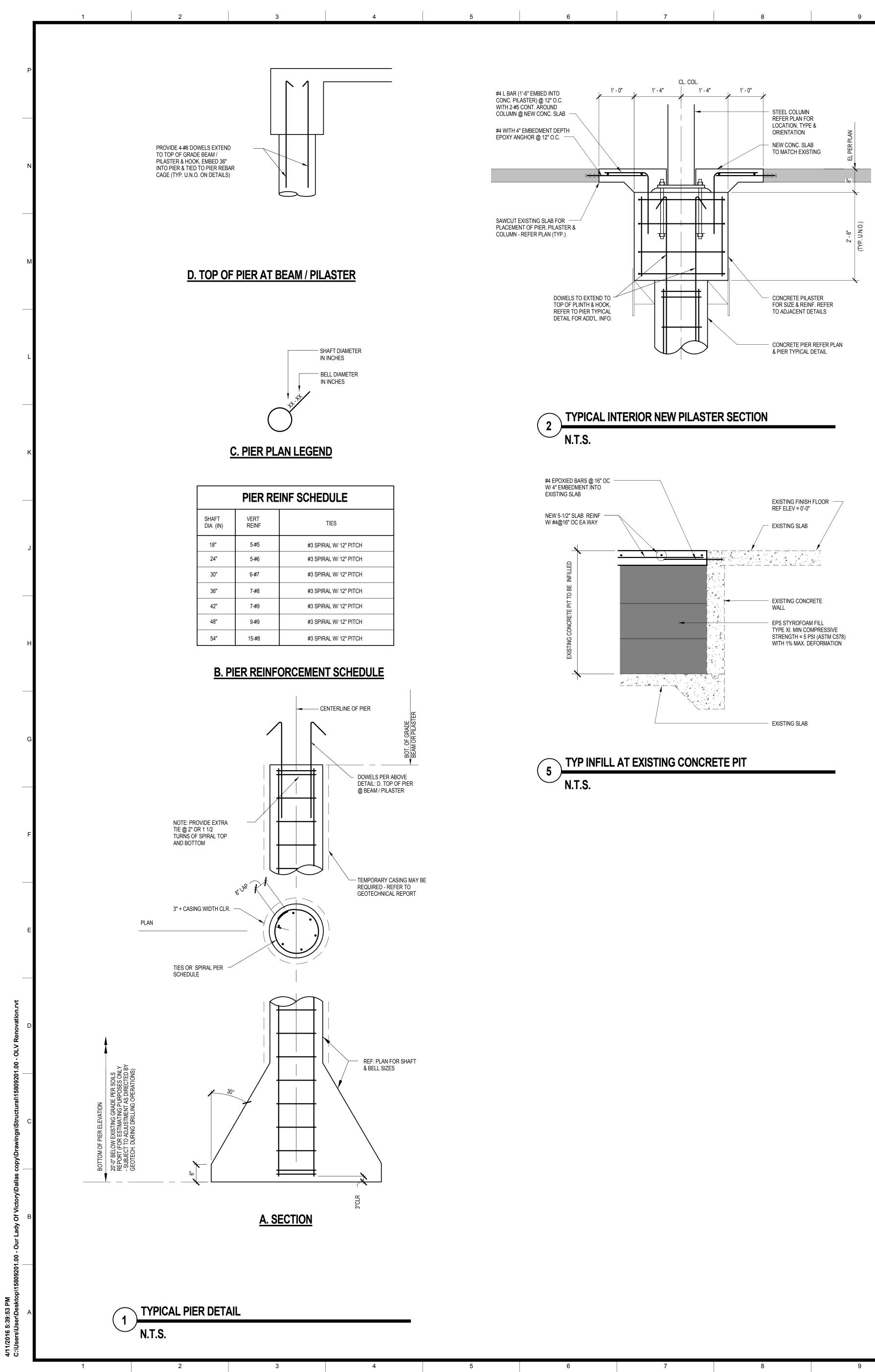


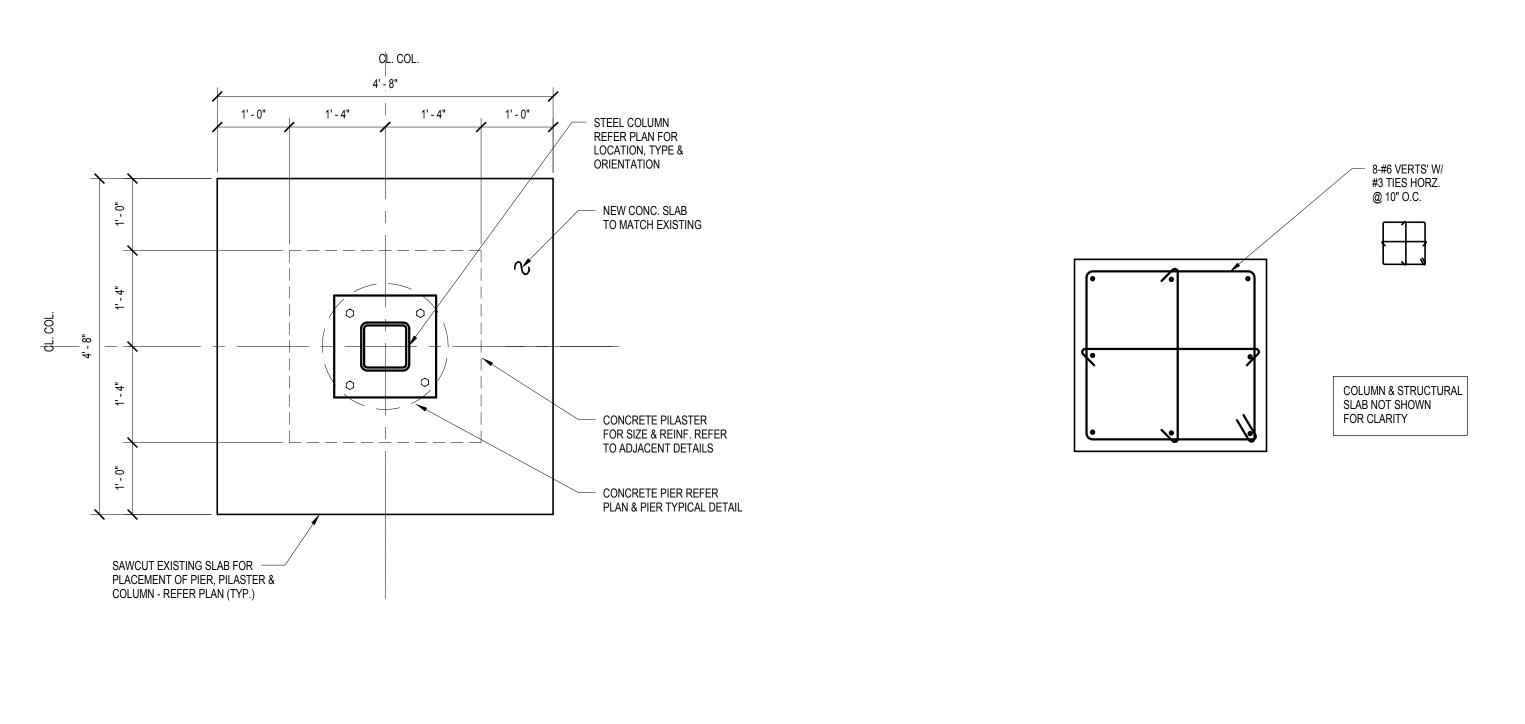






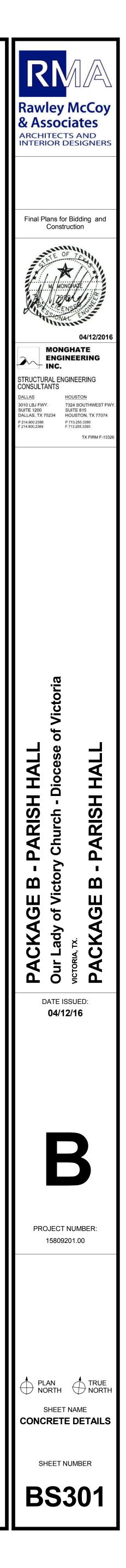


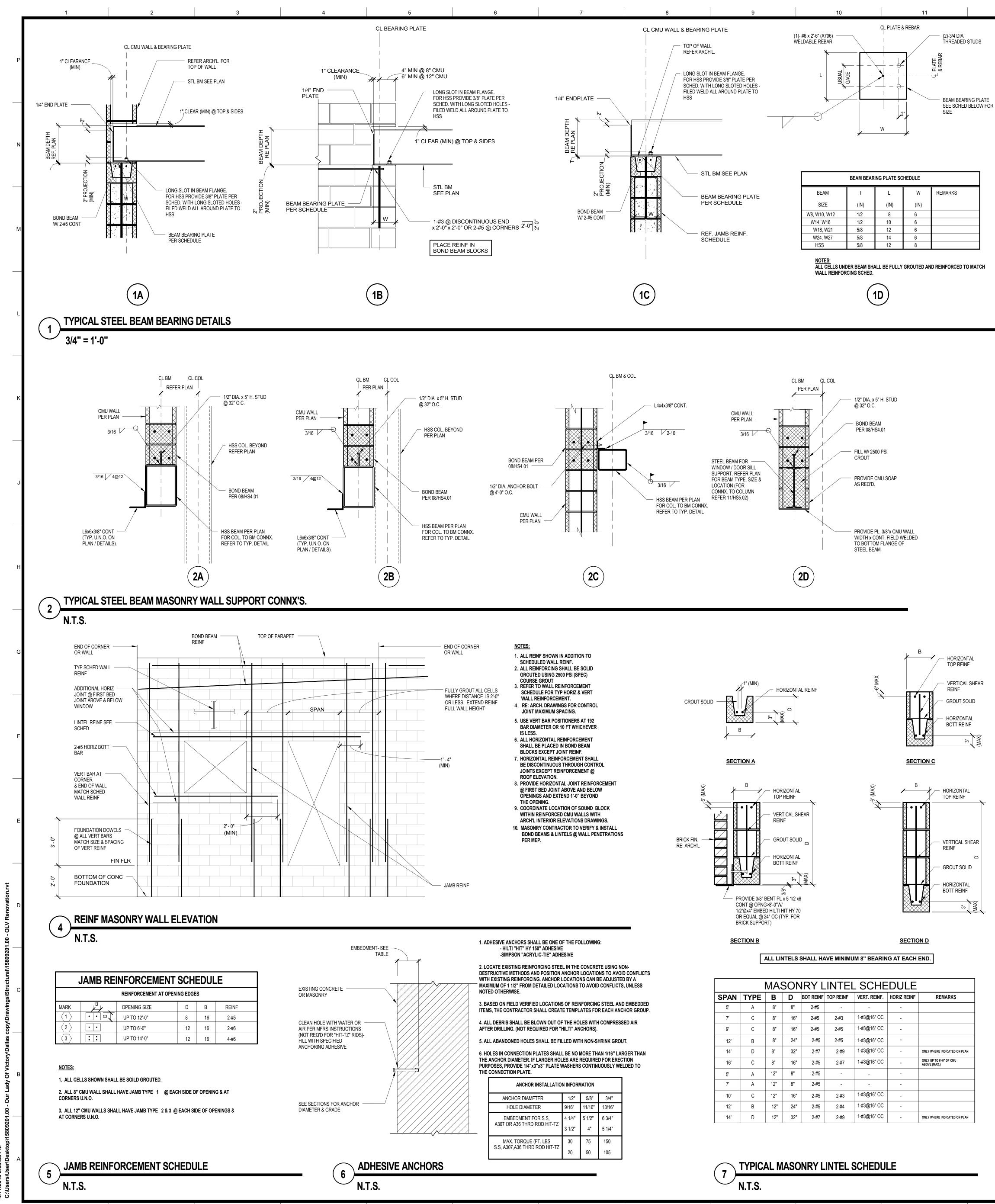






TYPICAL INTERIOR NEW PILASTER - REINFORCEMENT N.T.S.



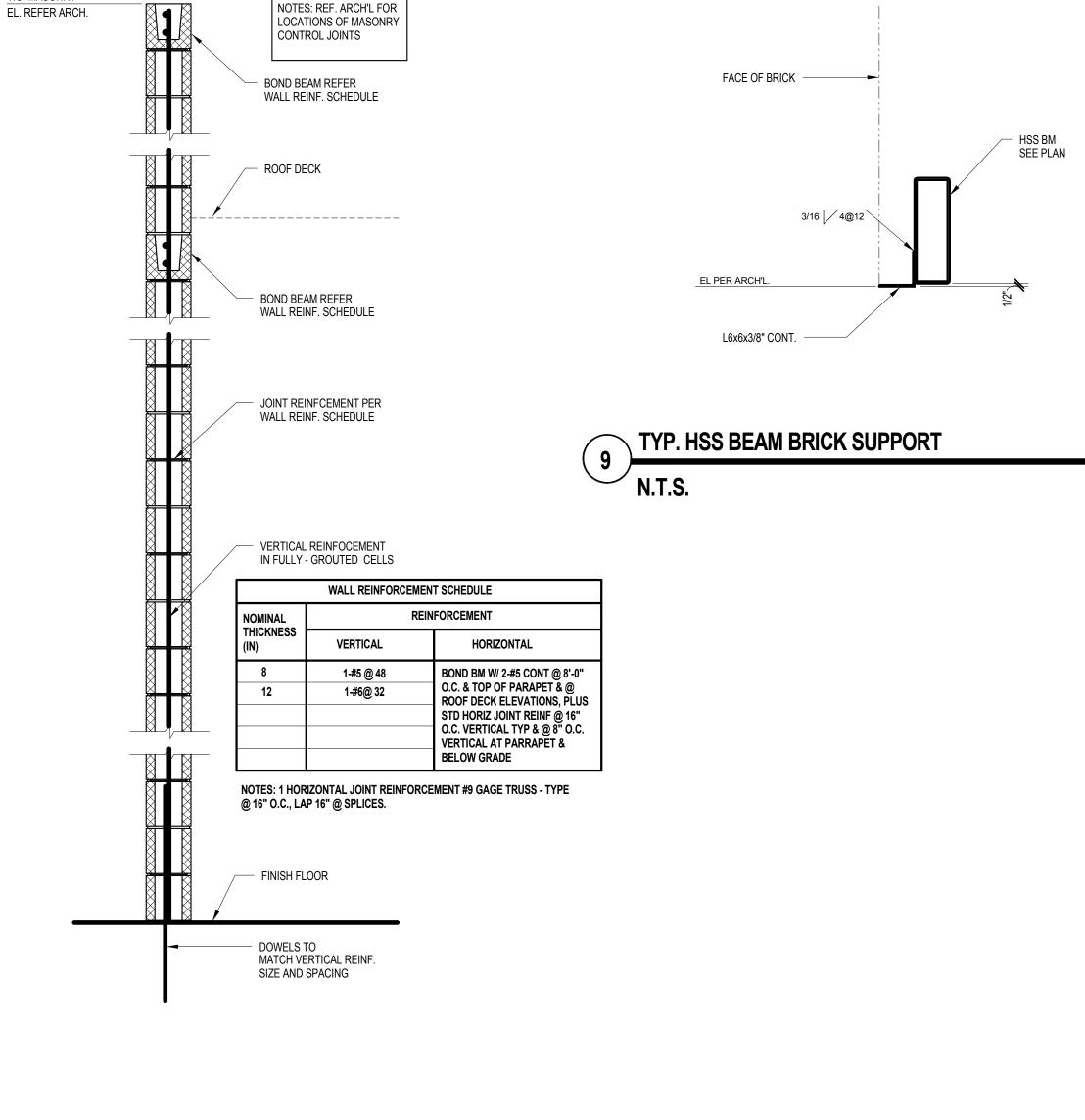


ANCHOR INSTALLATIO	N INFORM	ATION			
ANCHOR DIAMETER	1/2"	5/8"	3/4"		
HOLE DIAMETER	9/16"	11/16"	13/16"		
EMBEDMENT FOR S.S,	4 1/4"	5 1/2"	6 3/4"		
A307 OR A36 THRD ROD HIT-TZ	HIT-TZ 3 1/2" 4"				
MAX. TORQUE (FT. LBS	30	75	150		
S.S, A307,A36 THRD ROD HIT-TZ	20	50	105		

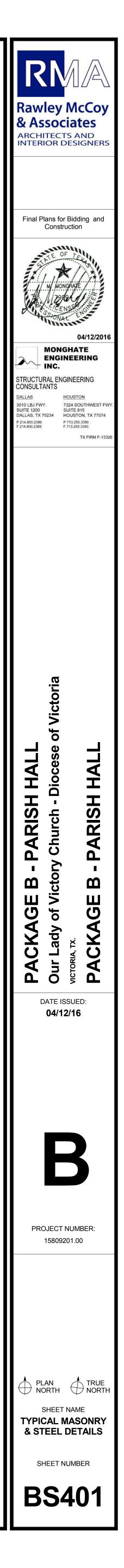
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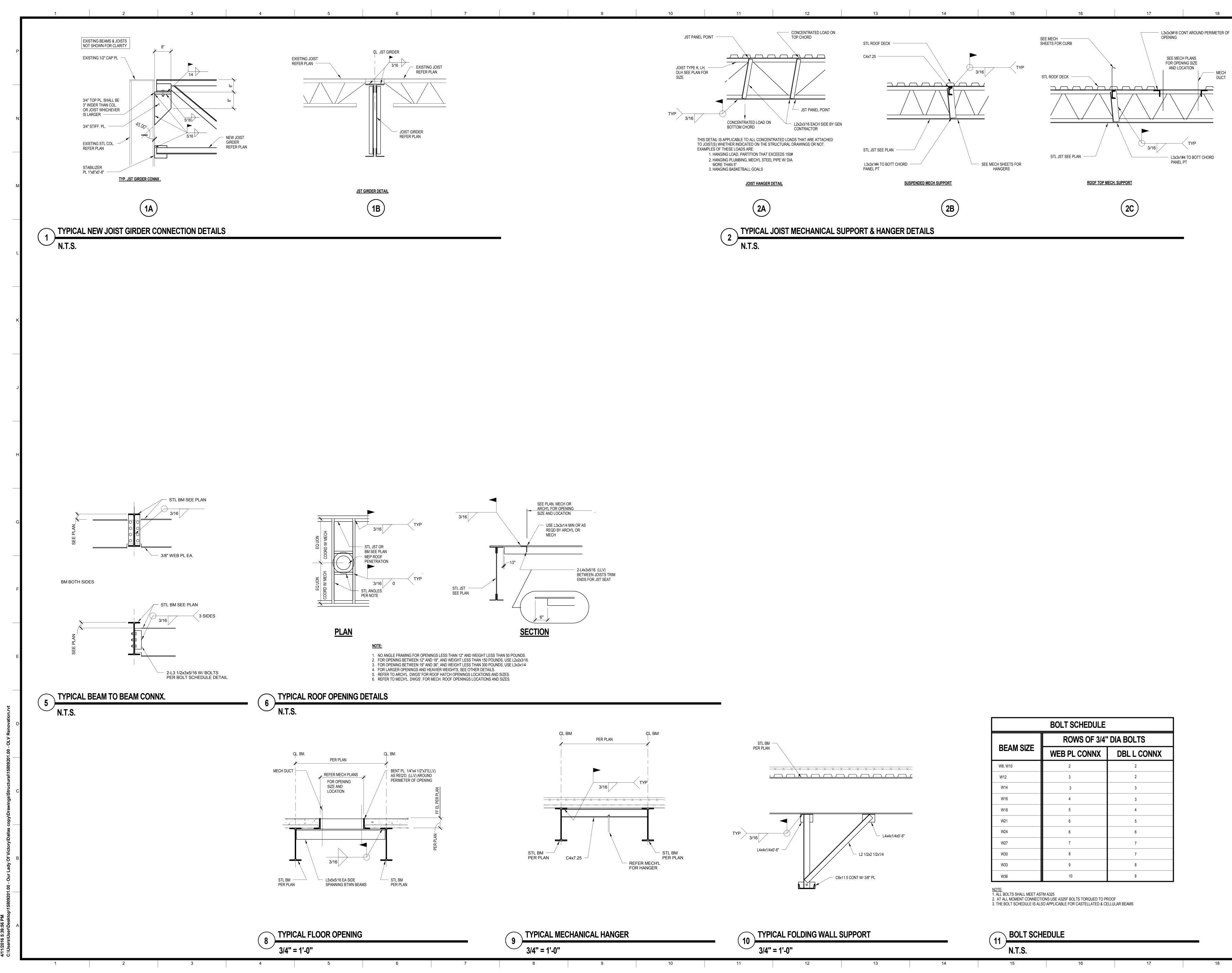


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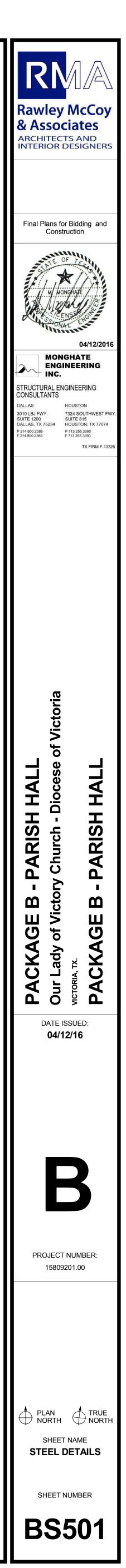
T.O. MASONRY

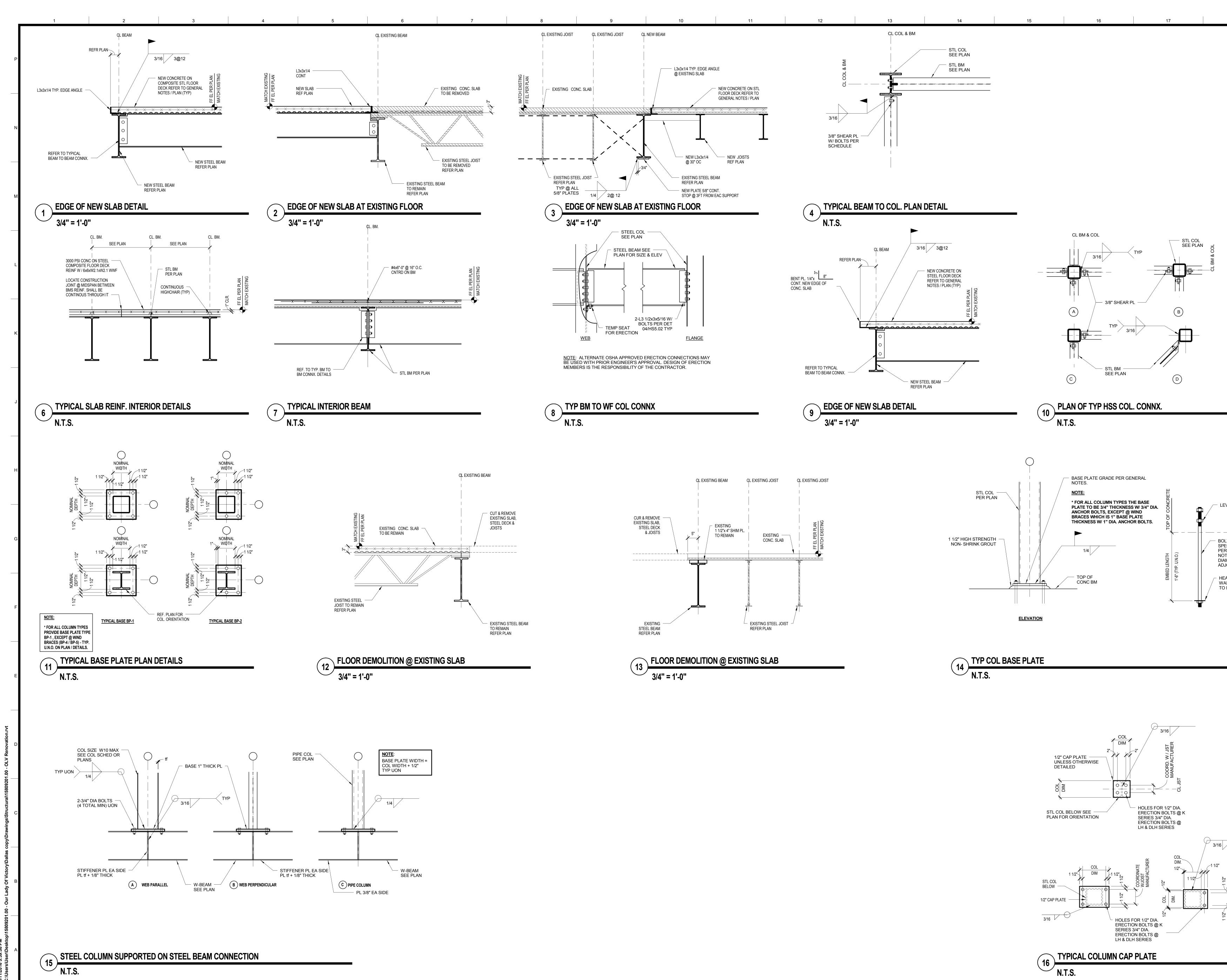


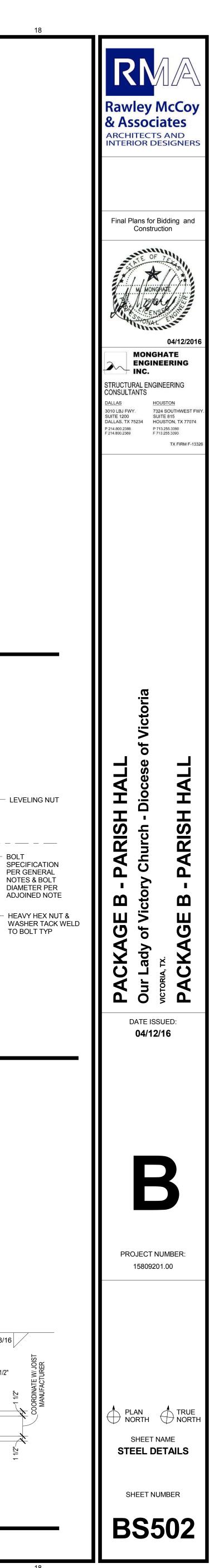


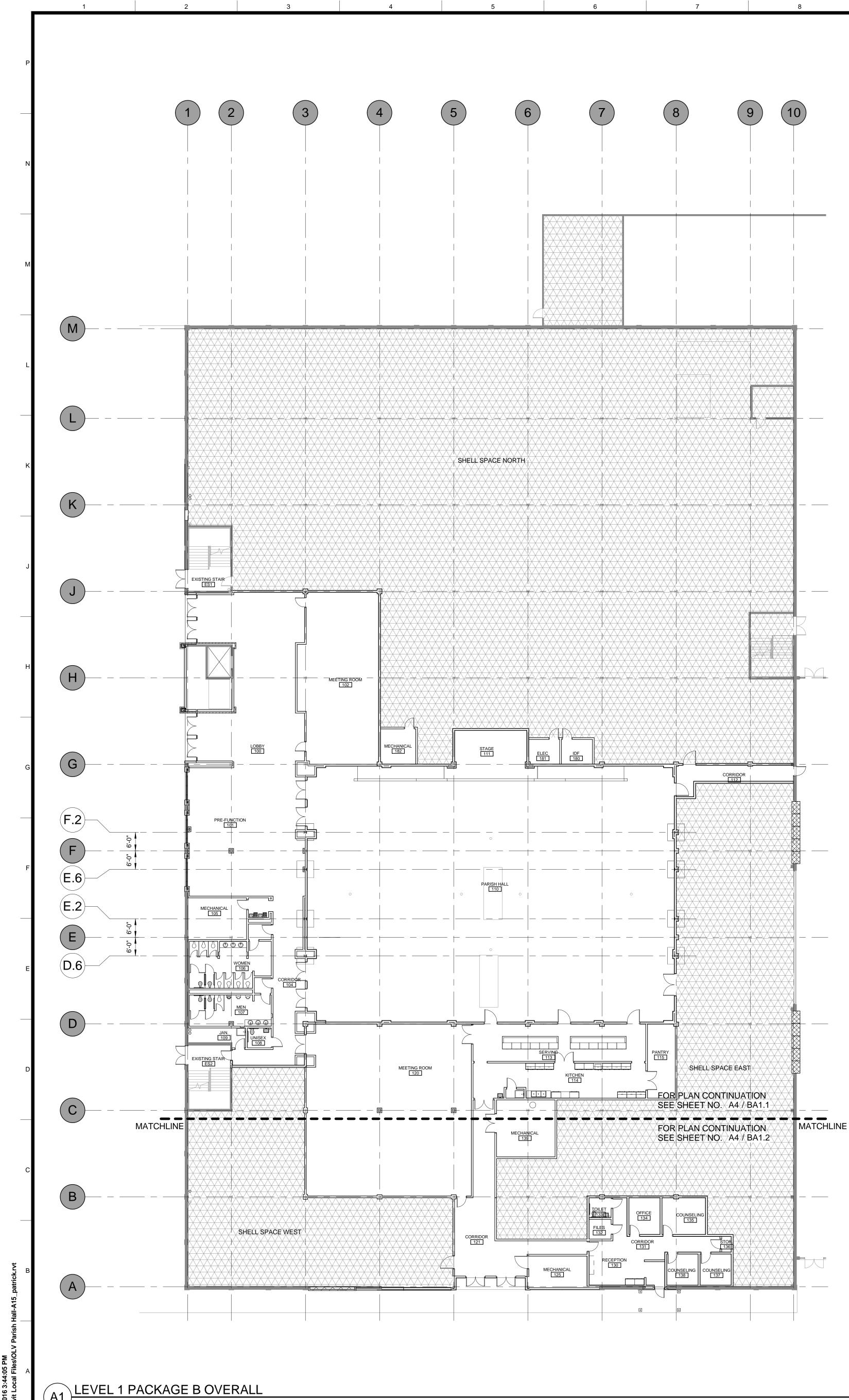
BOLT SCHEDULE								
	ROWS OF 3/4" DIA BOLTS							
BEAM SIZE	WEB PL CONNX	DBL L CONNX						
W8, W10	2	2						
W12	3	2						
W14	3	3						
W16	4	3						
W18	5	4						
W21	6	5						
W24	6	6						
W27	7	7						
W30	8	7						
W33	9	8						
W36	10	8						

)"			• N.T.S.			
12	13	14	15	16	17	

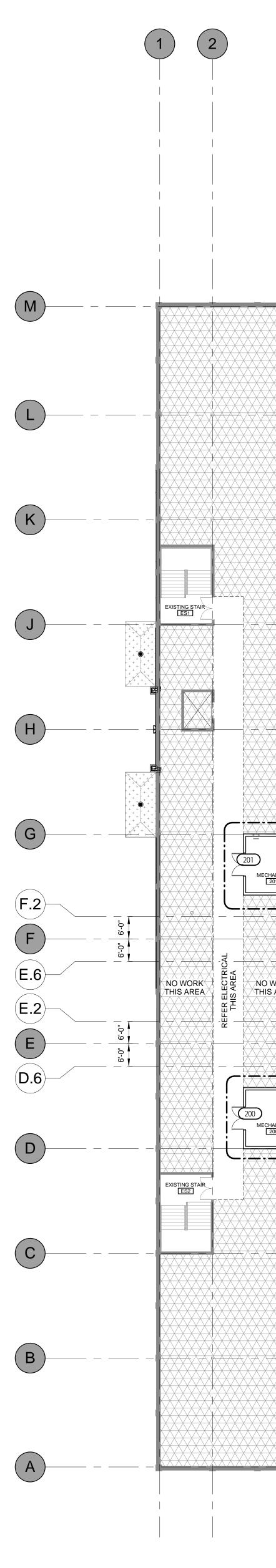








/ 1/16" = 1'-0"

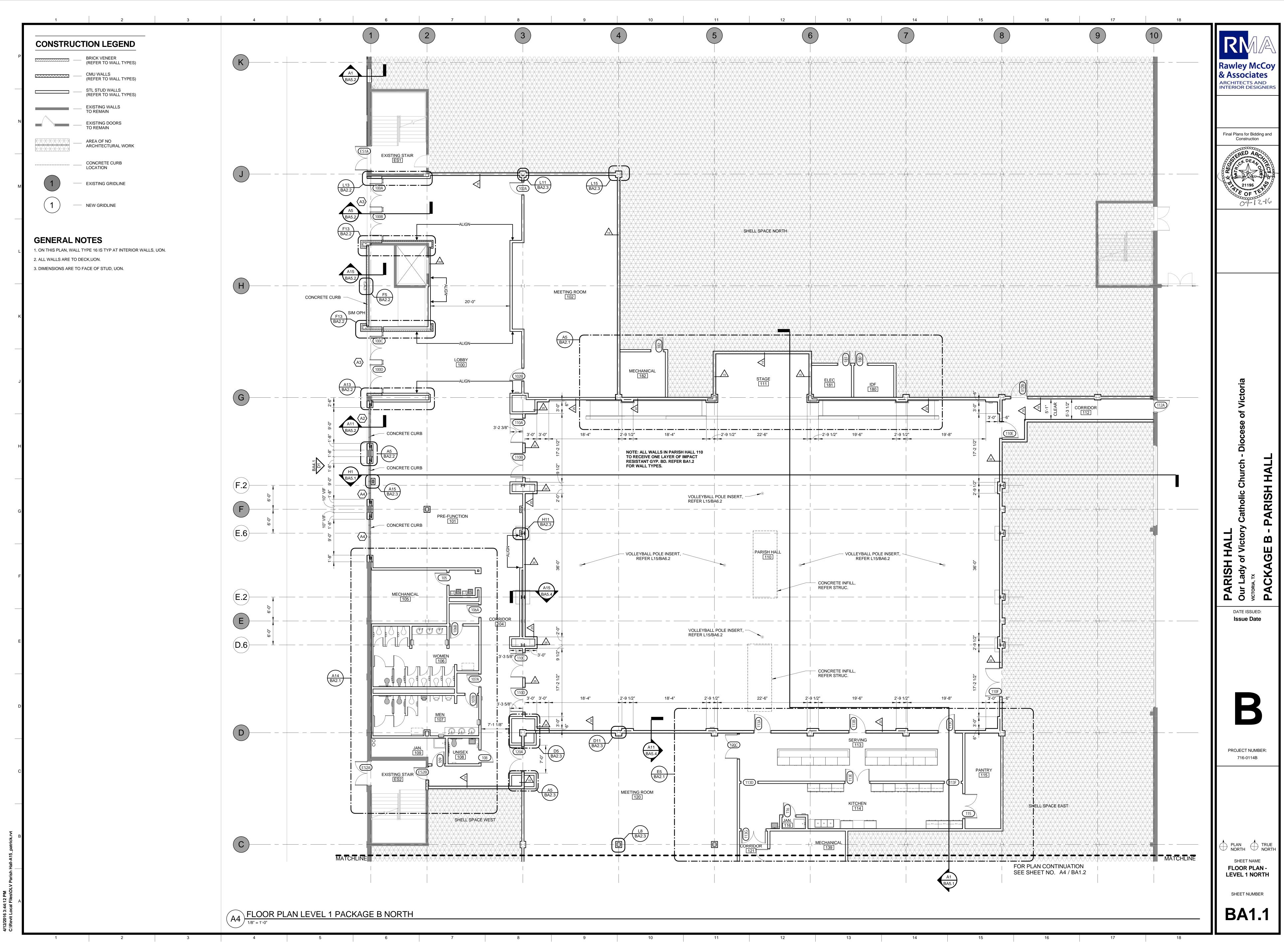


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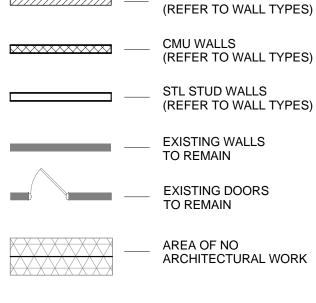
A10 LEVEL 2 PACKAGE B

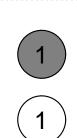
12		13	14	15		16	17	18
							CONSTRUC	TION LEGEND
								BRICK VENEER (REFER TO WALL TYPES)
								_ CMU WALLS (REFER TO WALL TYPES)
3		4	5 6	7	8	9 10		_ STL STUD WALLS (REFER TO WALL TYPES)
Ţ			T T	T	Ť	T T		_ EXISTING WALLS TO REMAIN
								_ EXISTING DOORS TO REMAIN
								AREA OF NO ARCHITECTURAL WORK
								CONCRETE CURB
							1 –	- EXISTING GRIDLINE
							(1) -	- NEW GRIDLINE
			SHELL SPACE LEVEL 2					
	E CONTRACTOR							
		 ~ _						
	K14 BA2.1							
WORK S AREA			OPEN TO BELOW					
T		H		·				
	BA2.1							
CHANICAL					``、、			











- NEW GRIDLINE

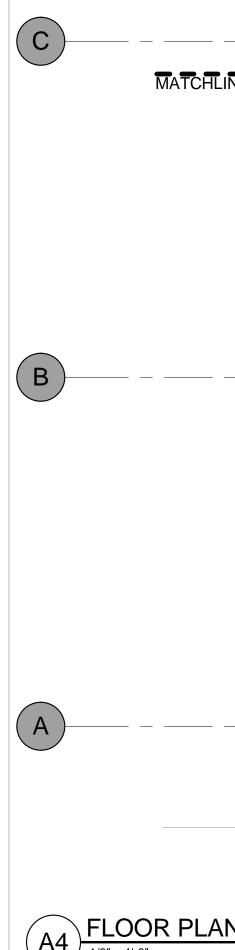
GENERAL NOTES

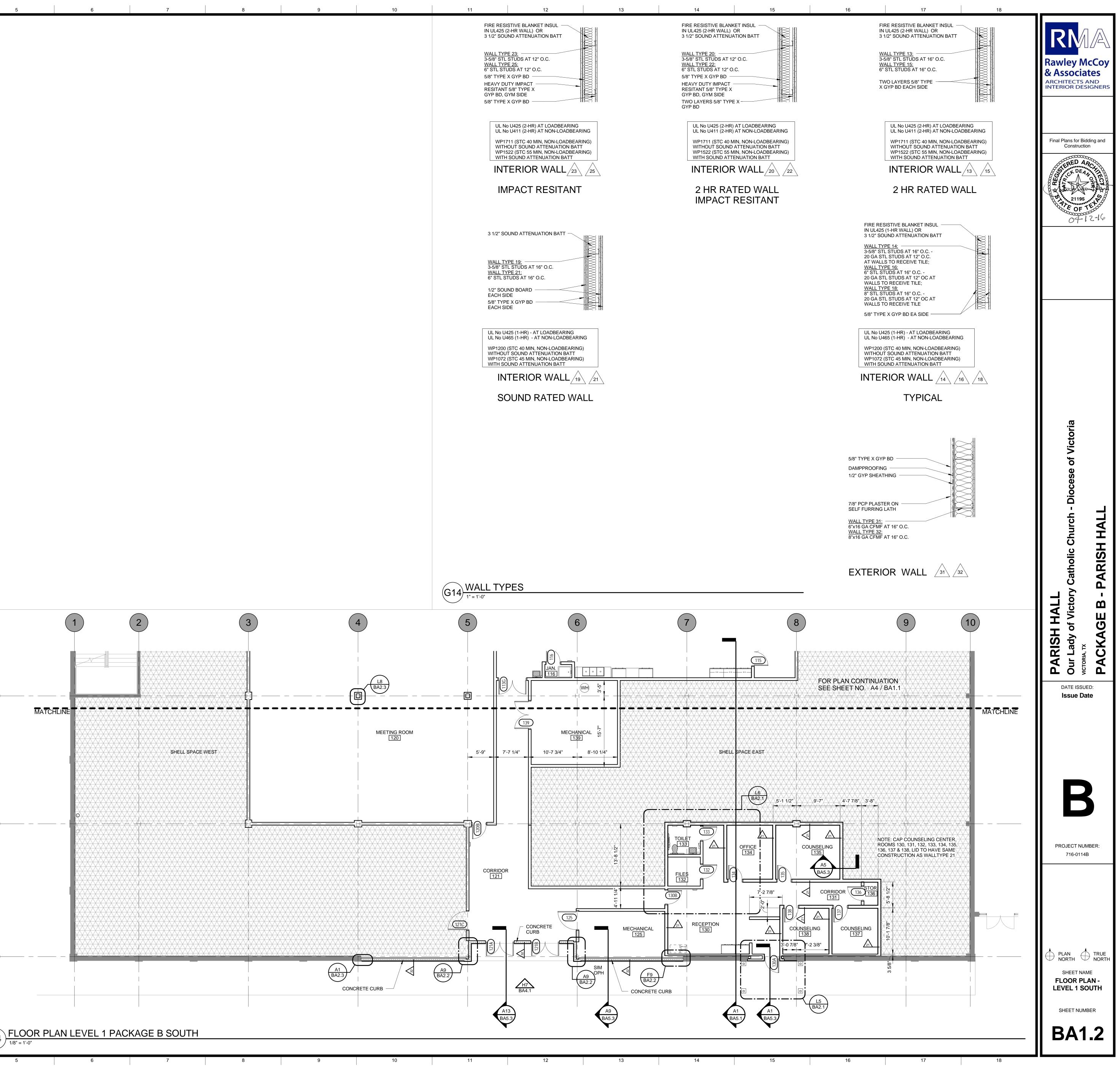
1. ON THIS PLAN, WALL TYPE 16 IS TYP AT INTERIOR WALLS, UON. 2. ALL WALLS ARE TO DECK, UON. 3. DIMENSIONS ARE TO FACE OF STUD, UON.

CONCRETE CURB

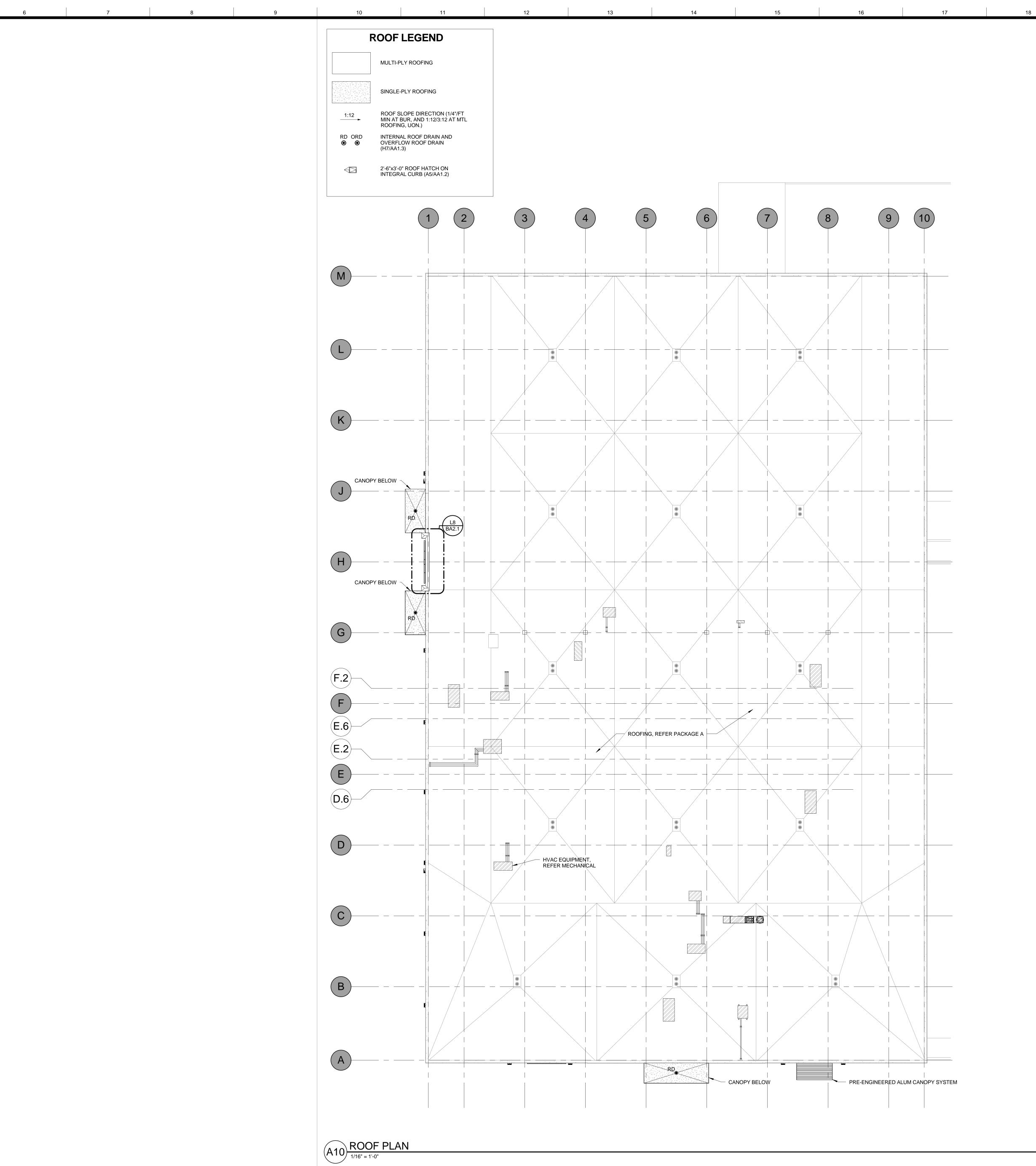
EXISTING GRIDLINE

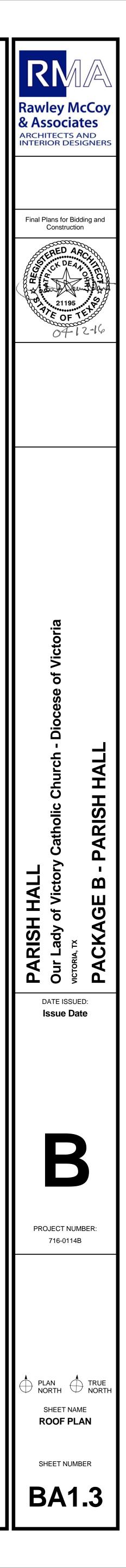
LOCATION

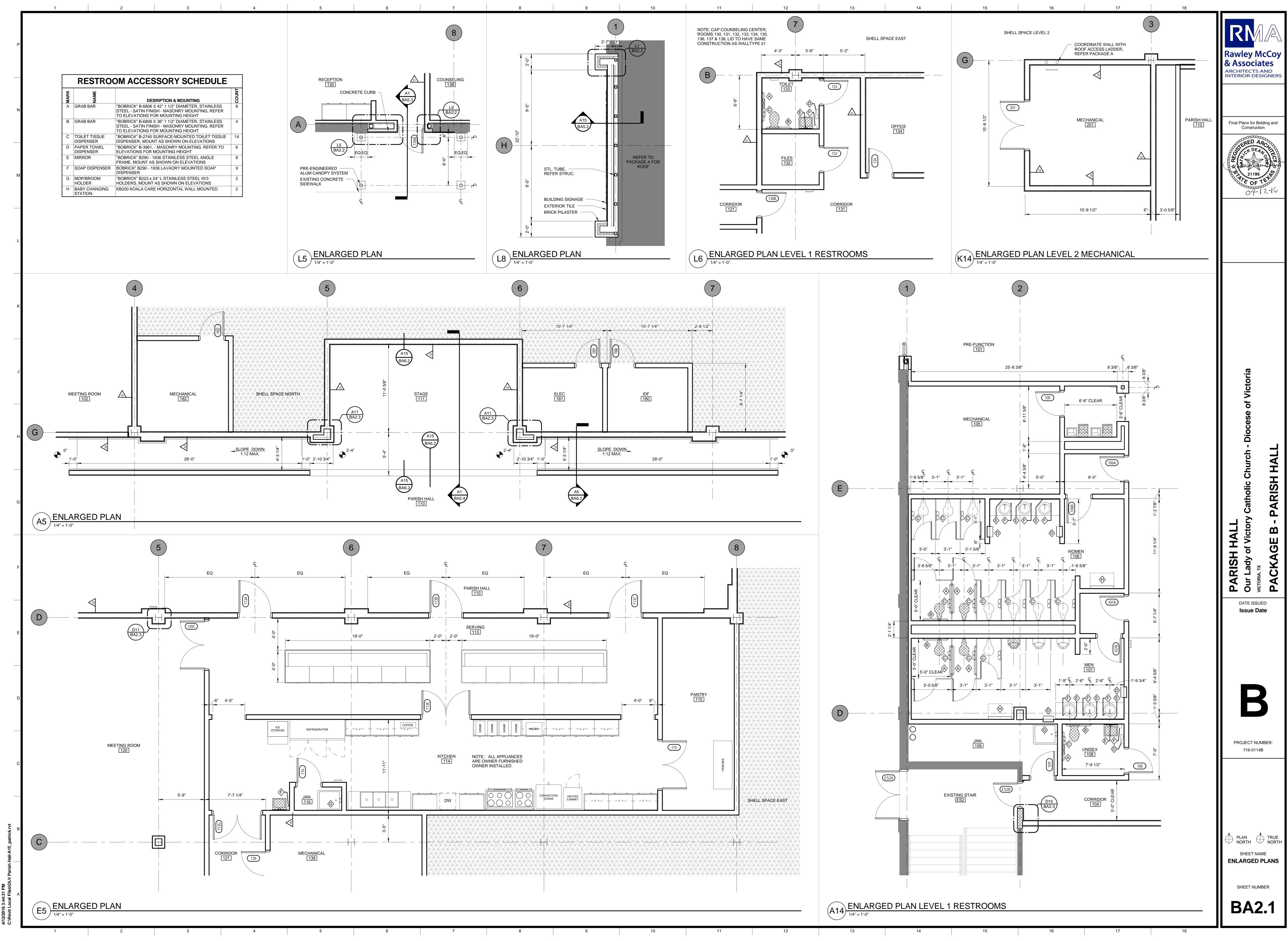


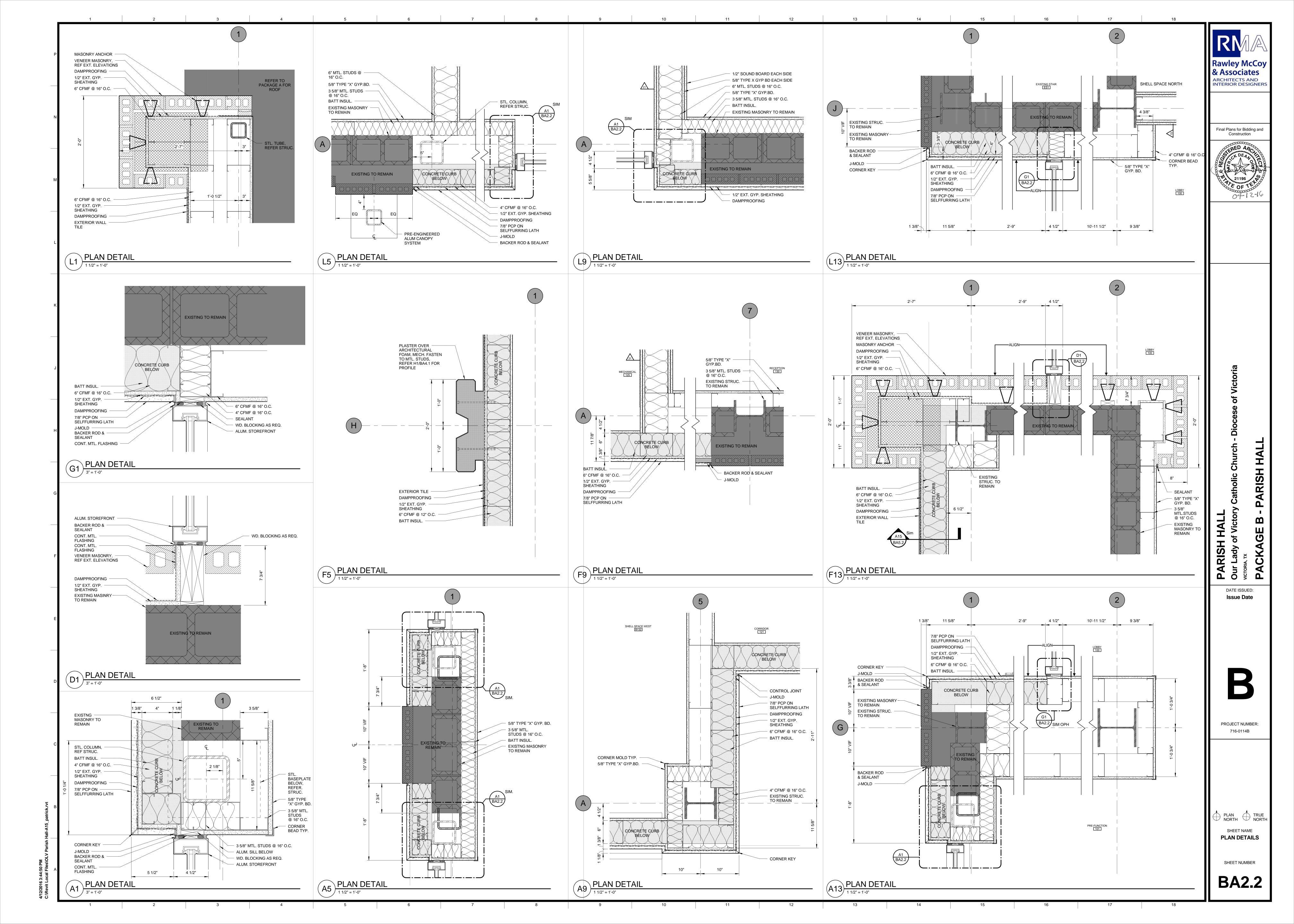


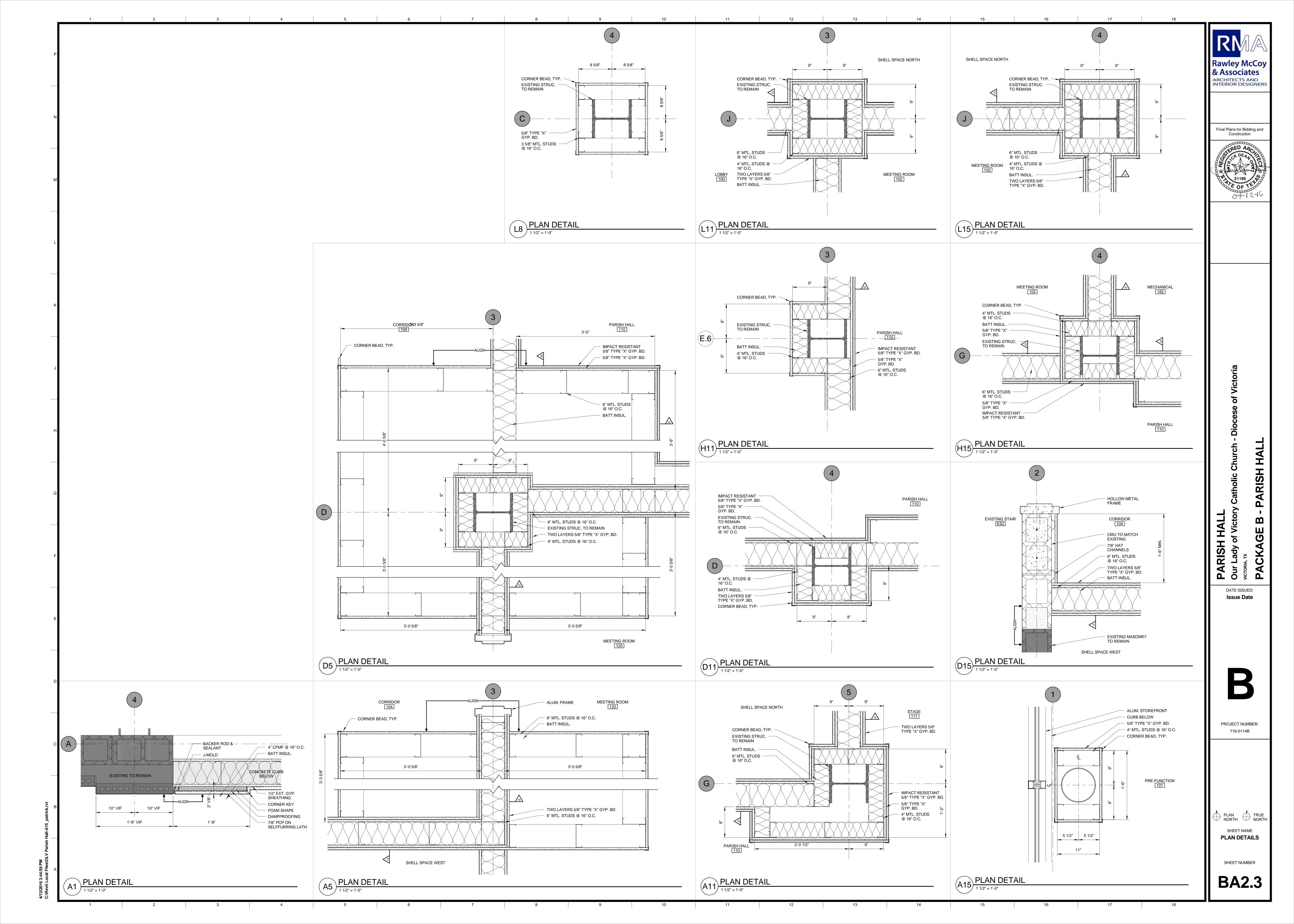
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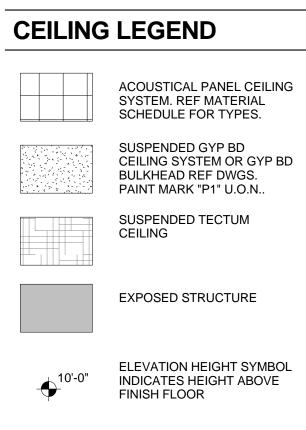








		I	2		3	4	5	6	7
								CEILING	LEGEND
P									ACOUSTICAL PANEL CEILING SYSTEM. REF MATERIAL SCHEDULE FOR TYPES. SUSPENDED GYP BD CEILING SYSTEM OR GYP BD BULKHEAD REF DWGS. PAINT MARK "P1" U.O.N SUSPENDED TECTUM CEILING
Ν	1								EXPOSED STRUCTURE
	-								ELEVATION HEIGHT SYMBOL INDICATES HEIGHT ABOVE FINISH FLOOR
М	1								SUPPLY AND RETURN AIR GRILLS. REF MEP DOCS
ĨVĨ									RECESSED 2' X 4' LIGHT FIXTURE REF MEP DOC
	-							0	RECESSED LIGHTING FIXTURE REF MEP DOC
									PENDANT MTD FIXTURE REF MEP DOC.
L								0	PENDANT MTD FIXTURE REF MEP DOC.
	-								WALL MOUNTED LIGHT REFER TO MEP DWGS
									D DECK LEGEND
K	C .								
	_								2 HR RATED WALL
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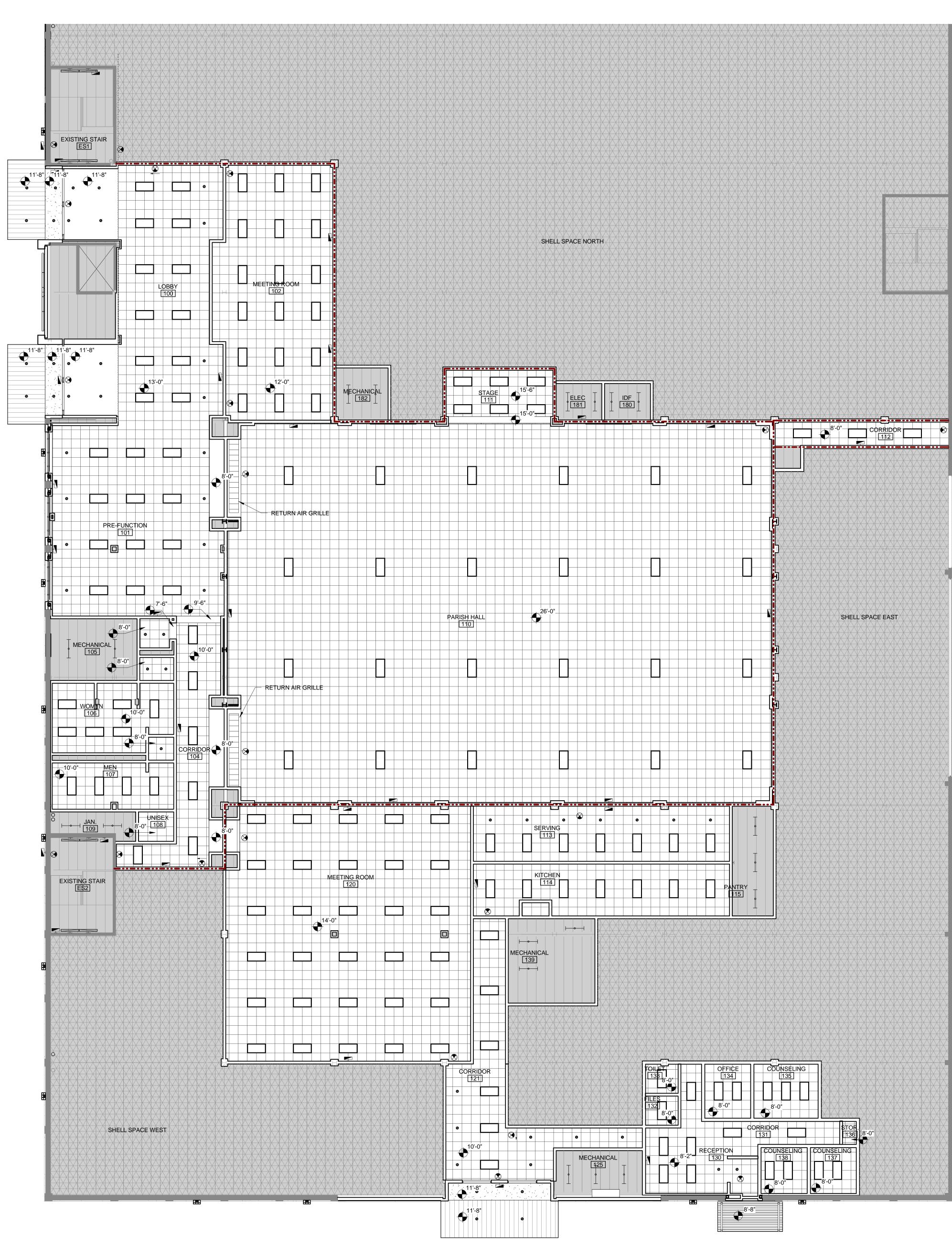


	INDICATES HEIGHT ABOVE FINISH FLOOR
	SUPPLY AND RETURN AIR GRILLS. REF MEP DOCS
	RECESSED 2' X 4' LIGHT FIXTURE REF MEP DOC
Ø	RECESSED LIGHTING FIXTURE REF MEP DOC
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0	PENDANT MTD FIXTURE REF MEP DOC.

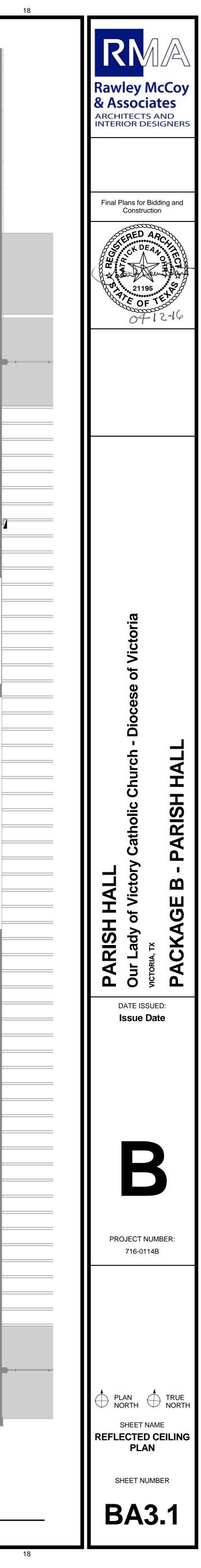
WALL TO DECK LEGEND

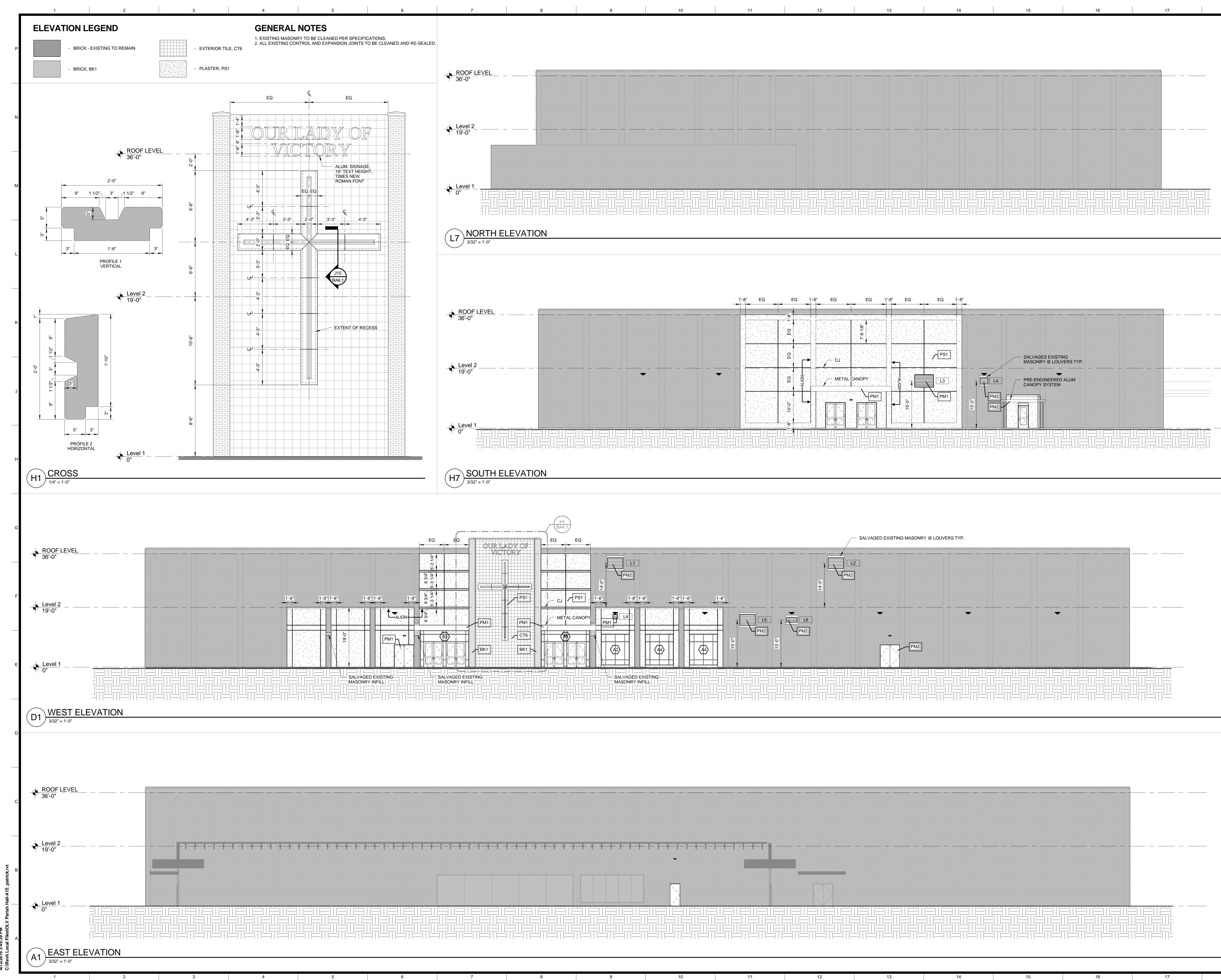
•••••	WALL TO DECK
	1 HR RATED WALL

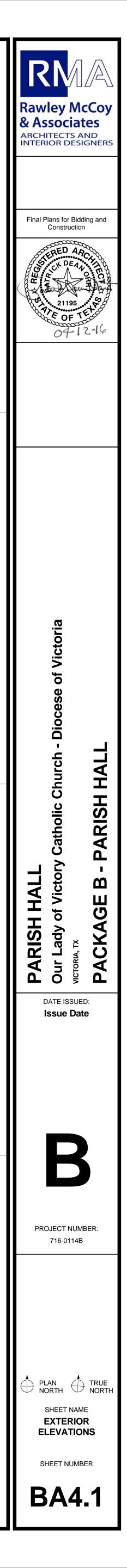
 2 HR RATED WALL

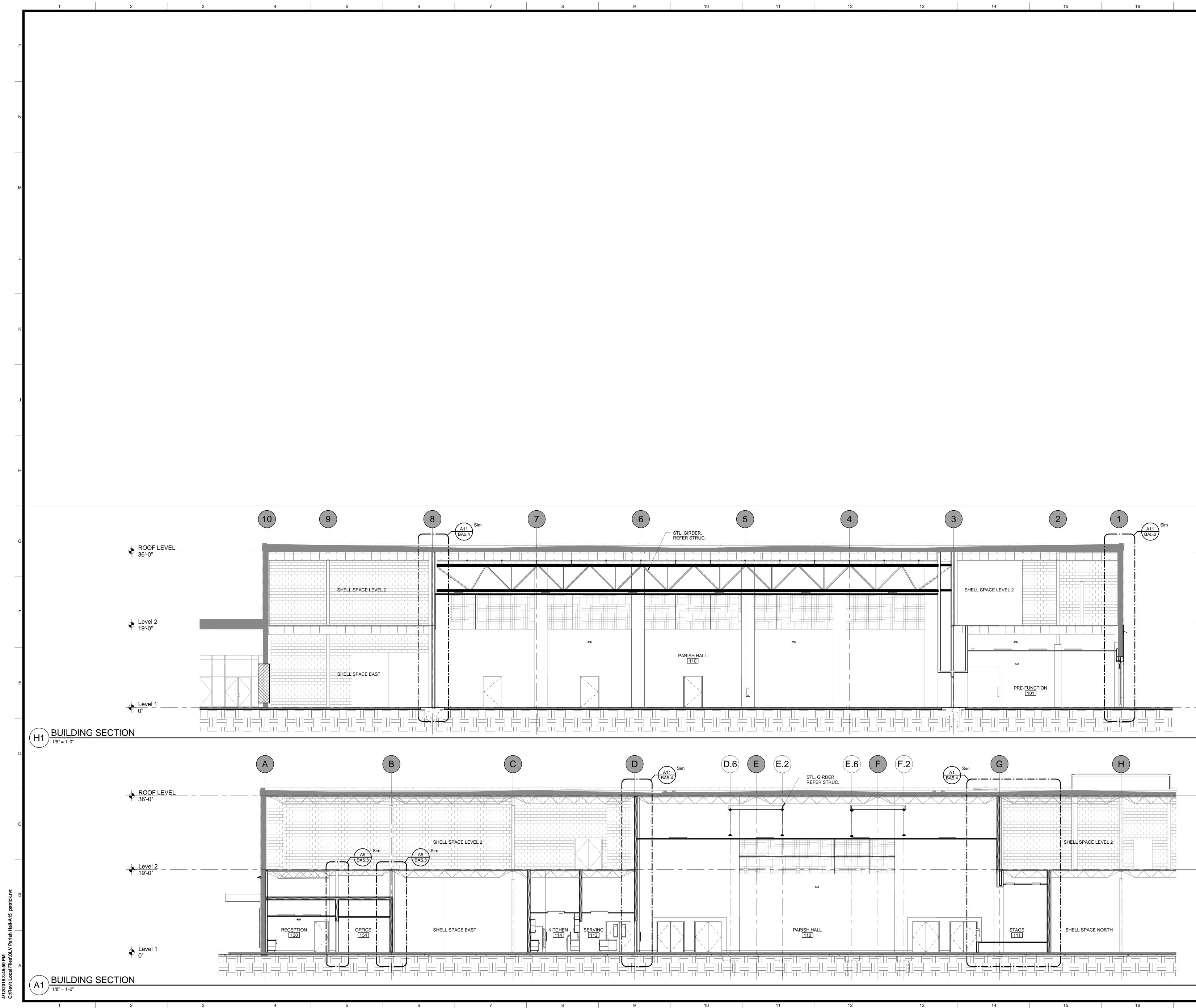


A8 RCP LEVEL 1 PACKAGE B NORTH



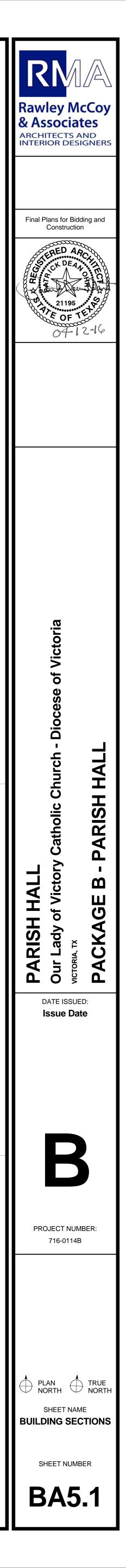


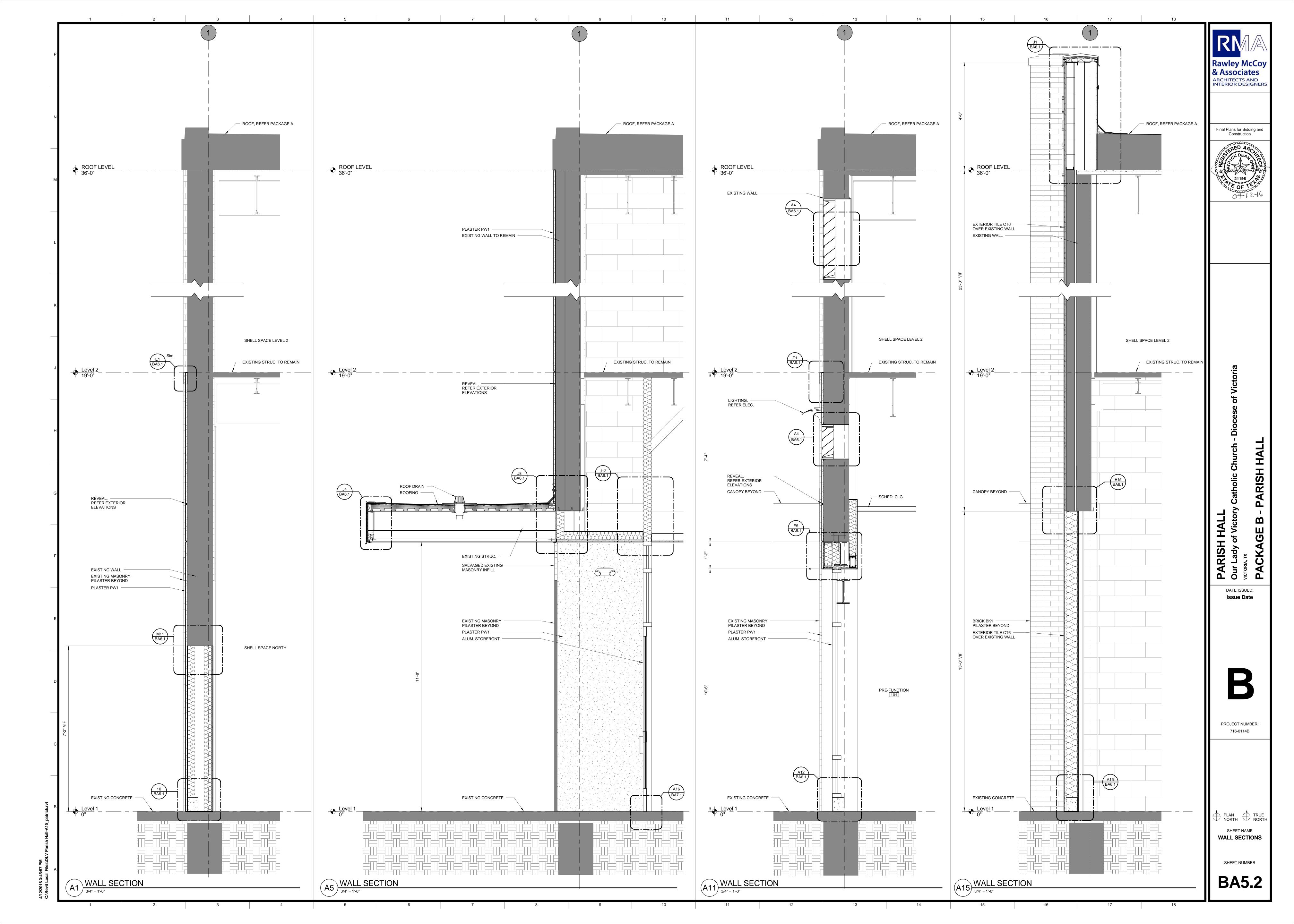


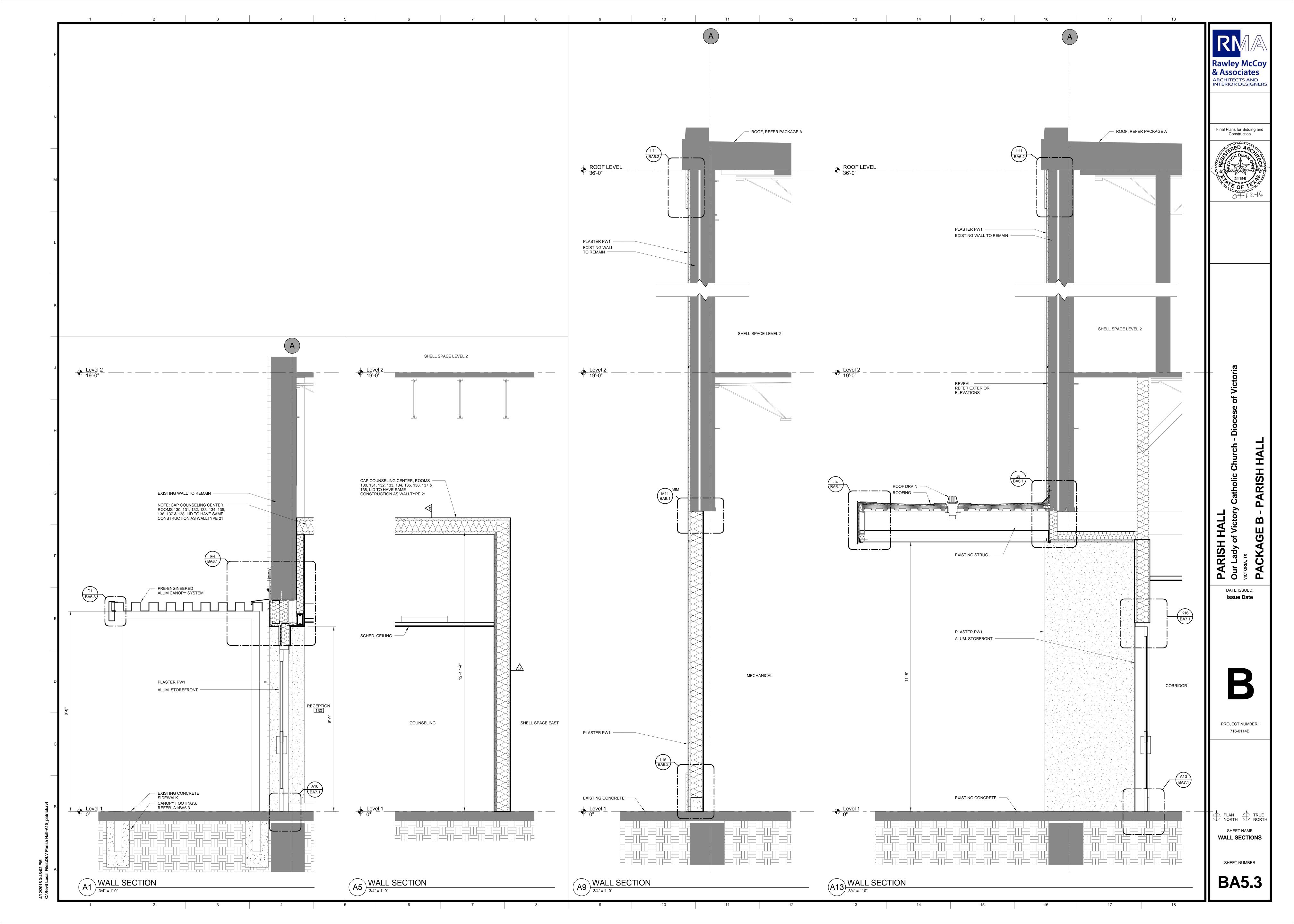


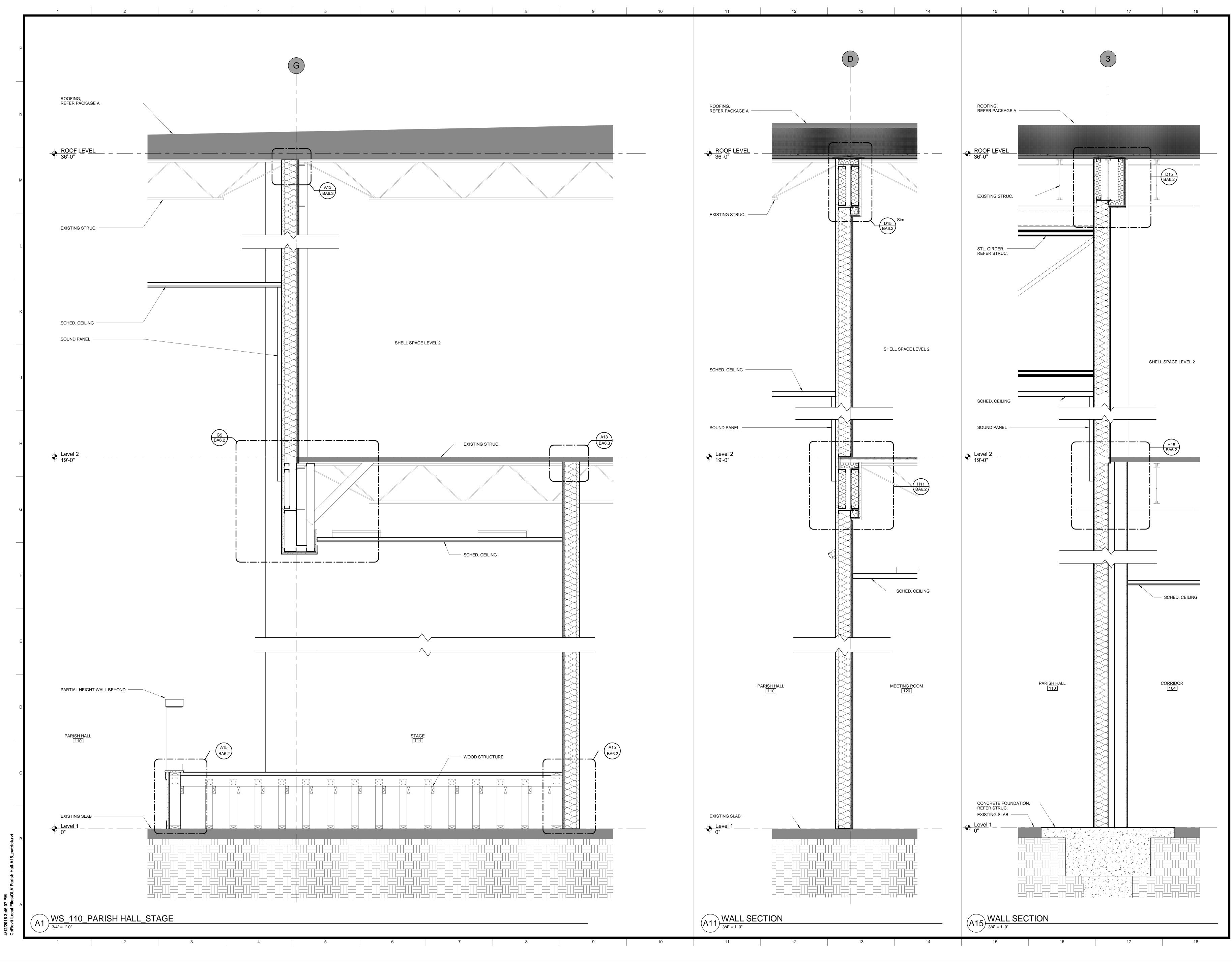
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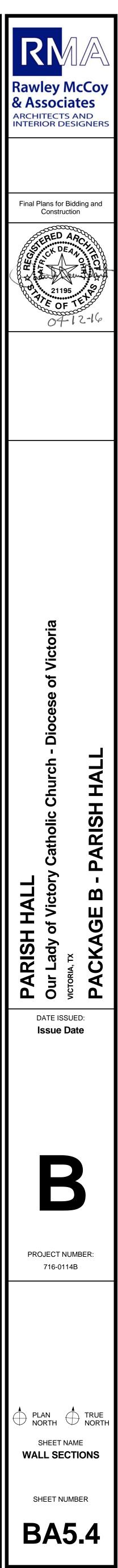
4	3 2 1 A11 BA5.2 Sim
	SHELL SPACE LEVEL 2
	PRE-FUNCTION 101

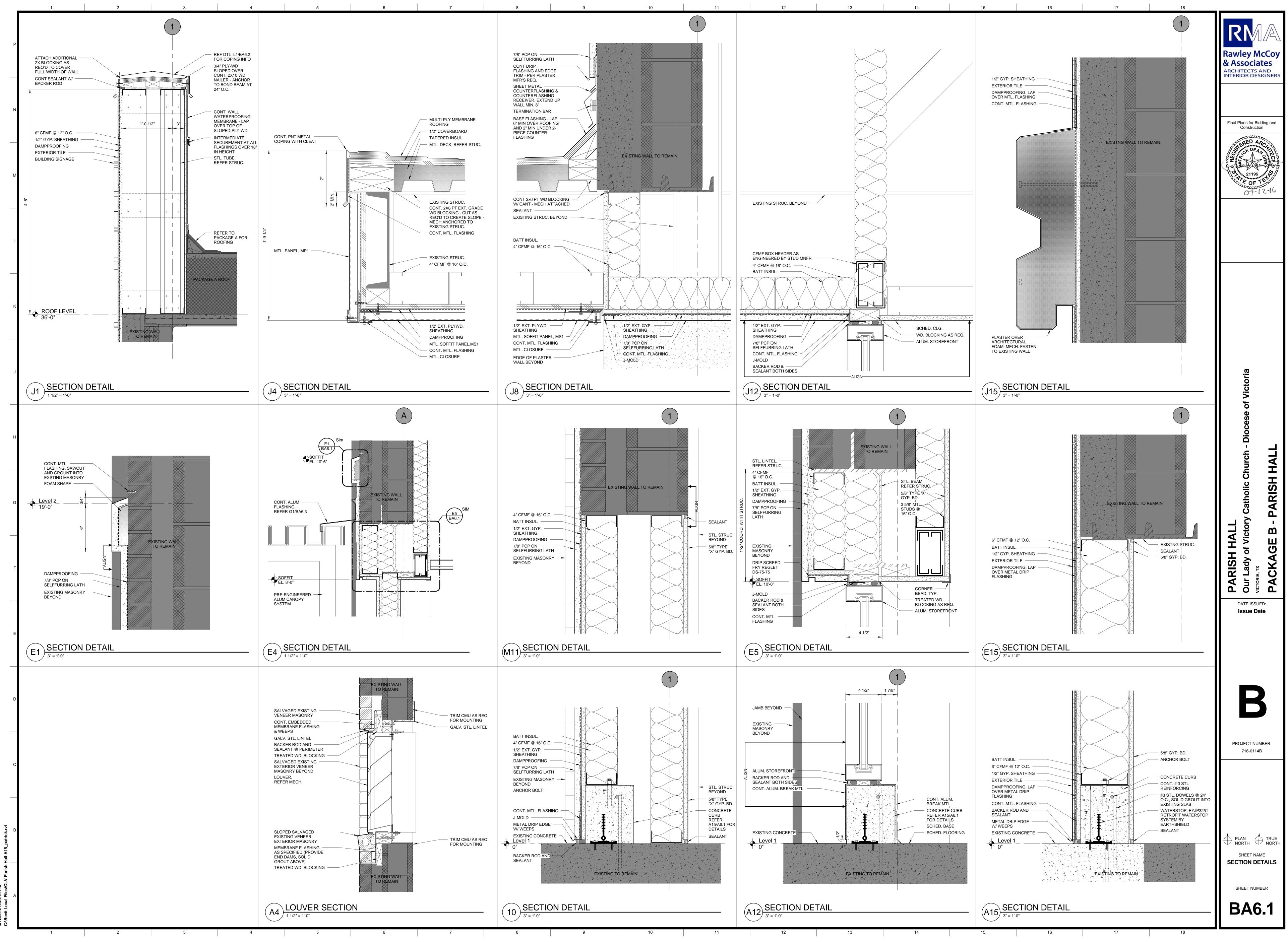




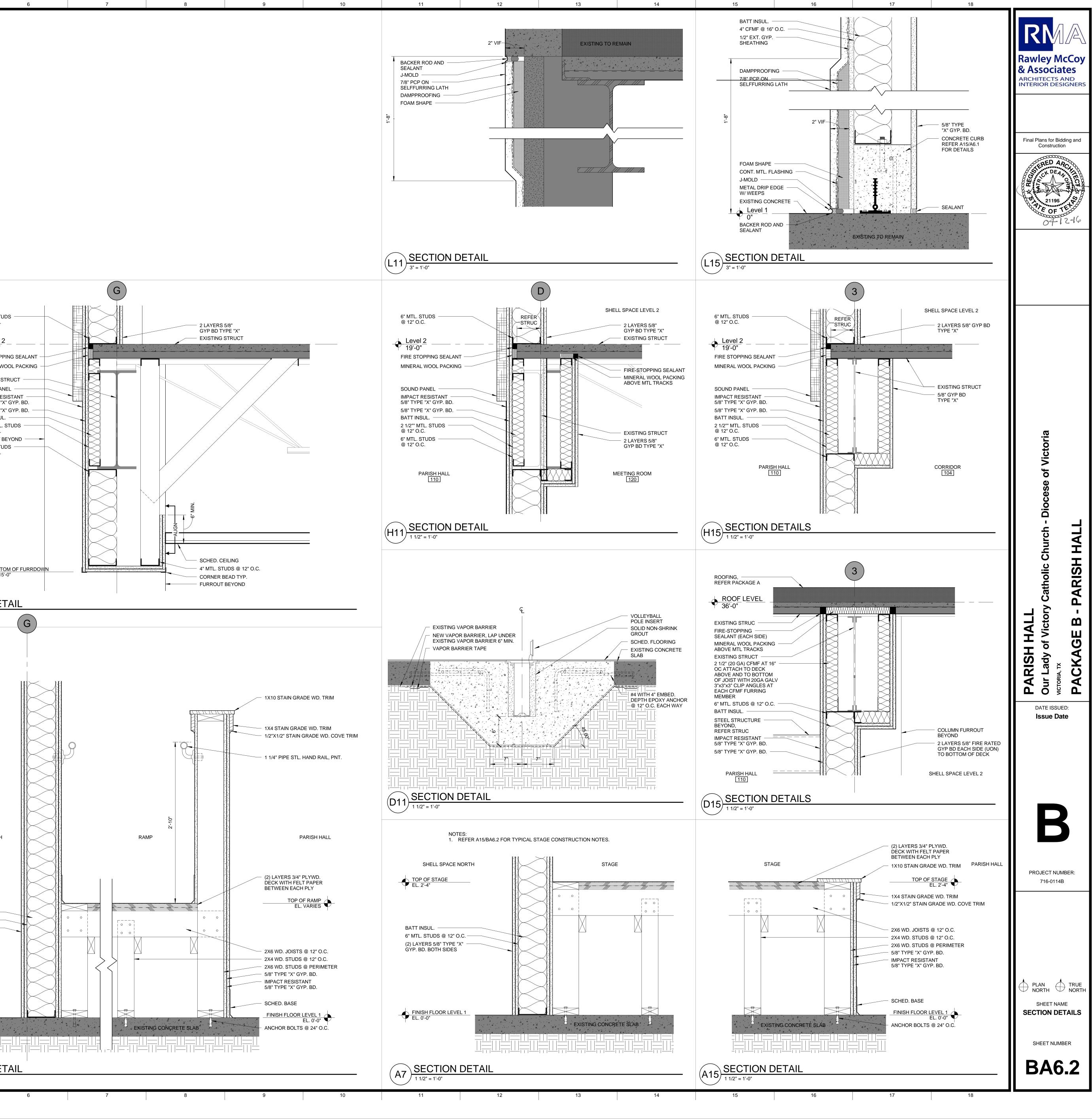


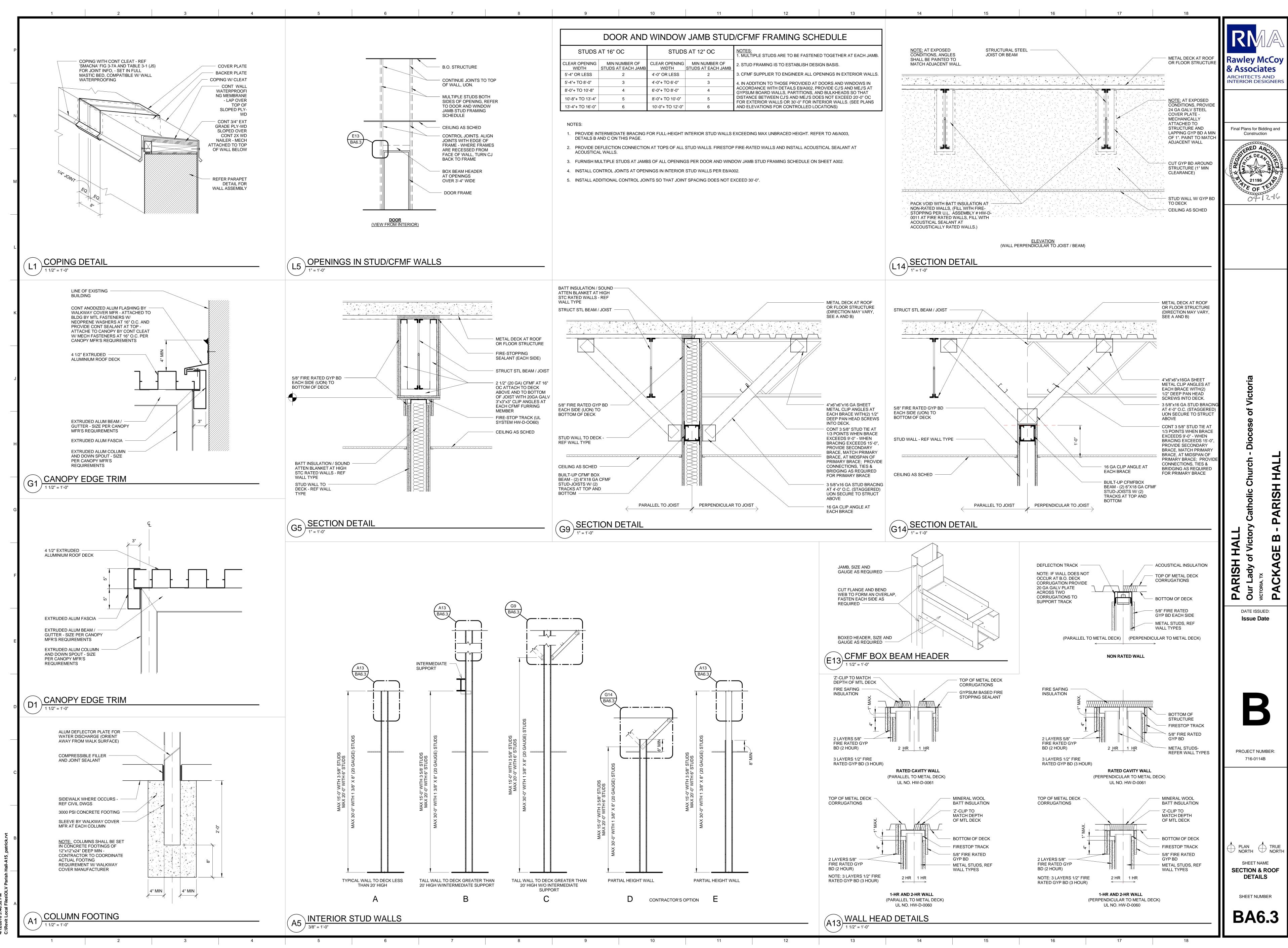






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BATT INSUL. — 6" MTL. STUDS (2) LAYERS 5/8" GYP. BD. BOTH	SHELL		(G5) <u>SEC</u> 1 1/2" = 1"	4:-0"						5
	- SPACE NORTH		0"	FURROUT B 6" MTL. STU @ 12" O.C.	FIRE STOPP MINERAL W EXISTING S SOUND PAN IMPACT RES 5/8" TYPE "X 5/8" TYPE "X BATT INSUL 2 1/2"" MTL. @ 12" O.C.	6" MTL. STU @ 12" O.C. Level 2 19'-0"				





	DOOR SCHEDULE												
DOOR III SIZE				1		FR	AME		DETAILS		_		
DOOR NUMBER	DOOR TYPE	FIRE RATING	WIDTH	SIZE	THICKNESS	MATERIAL	GLAZING	ТҮРЕ	MATERIAL	HEAD	JAMB	SILL	REMARKS
100A	FGIR	-	6'-0"	8'-0"	1 3/4"	ALUM	GL-2	A1	ALUM	J12/BA6.1	F13/BA2.2	A13/BA7.1	
100B	FGIR	-	6'-0"	8'-0"	1 3/4"	ALUM	GL-2	A1	ALUM	J12/BA6.1	L13/BA2.2 F13/BA2.2 L13/BA2.2	A13/BA7.1	
100C	FGIR	-	6'-0"	8'-0"	1 3/4"	ALUM	GL-2	A1	ALUM	J12/BA6.1	A13/BA2.2 F13/BA2.2	A13/BA7.1	
100D	FGIR	-	6'-0"	8'-0"	1 3/4"	ALUM	GL-2	A1	ALUM	J12/BA6.1	A13/BA2.2 F13/BA2.2	A13/BA7.1	
102A	NL	-	3'-0"	7'-0"	1 3/4"	WD	GL-1	S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
102B		-	3'-0"	7'-0"	1 3/4"	WD	GL-1	S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
105 106A	F	-	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	WD WD	-	S1 S1	STL STL	G16/BA7.1 G16/BA7.1	D16/BA7.1 D16/BA7.1	A10/BA7.1 A10/BA7.1	
106A 106B	 F	-	3-0	7-0	1 3/4	WD	-	S1 S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
107A	F	-	3'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
107B	F	-	3'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
108	F	-	3'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
109	F	-	3'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
110A	F F	-	6'-0"	7'-0"	1 3/4"	WD WD	-	S2 S2	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
110B 110C	 F	-	6'-0" 6'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	WD WD	-	52 S2	STL STL	G16/BA7.1 G16/BA7.1	D16/BA7.1 D16/BA7.1	A10/BA7.1 A10/BA7.1	
110D	 F	-	6'-0"	7'-0"	1 3/4"	WD	_	S2	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
110E	F	90 MIN.	4'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G13/BA7.1	D13/BA7.1	A10/BA7.1	
110F	F	90 MIN.	7'-0"	7'-0"	1 3/4"	WD	-	S2	STL	G13/BA7.1	D13/BA7.1	A10/BA7.1	
112A	F	90 MIN.	3'-0"	7'-0"	1 3/4"	STL	-	S1	STL	G10/BA7.1	D10/BA7.1	A10/BA7.1	
112B	F	90 MIN.	4'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G13/BA7.1	D13/BA7.1	A10/BA7.1	
113A 113B	F F	90 MIN. 90 MIN.	4'-0" 4'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	WD WD	-	S1 S1	STL STL	G13/BA7.1 G13/BA7.1	D13/BA7.1 D13/BA7.1	A10/BA7.1 A10/BA7.1	
113D	F	90 MIN. 90 MIN.	4'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G13/BA7.1	D13/BA7.1	A10/BA7.1	
113D	-	-	4'-0"	7'-0"		-	-	S1	STL	G16/BA7.1	D16/BA7.1	-	FRAMED OPENING
113E	NL	-	6'-0"	7'-0"	1 3/4"	WD	GL-1	S2	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
113F	-	-	4'-0"	7'-0"		-	-	S1	STL	G16/BA7.1	D16/BA7.1	-	FRAMED OPENING
113G	NL		6'-0"	7'-0"	1 3/4"	WD	GL-1	S2	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
115	F F	-	6'-0"	7'-0"	1 3/4" 1 3/4"	STL	-	S2 S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
116 120A	 F	- 90 MIN.	3'-0" 6'-0"	7'-0" 7'-0"	1 3/4	WD WD	-	S1 S2	STL STL	G16/BA7.1 G13/BA7.1	D16/BA7.1 D13/BA7.1	A10/BA7.1 A10/BA7.1	
120A	NL	-	3'-0"	7'-0"	1 3/4"	WD	GL-1	S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
120C	NL	-	6'-0"	7'-0"	1 3/4"	WD	GL-1	S2	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
121A	FGIR	-	6'-0"	8'-0"	1 3/4"	ALUM	GL-2	A2	ALUM	J12/BA6.1	A9/BA2.2	A13/BA7.1	
121B	FGIR	-	6'-0"	8'-0"	1 3/4"	ALUM	GL-2	A2	ALUM	J12/BA6.1	A9/BA2.2	A13/BA7.1	
121C	F	-	4'-0"	7'-0"	1 3/4"	WD WD	-	S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
125 130A	F FGIR	-	4'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	WD ALUM	- GL-2	S1 A1	STL ALUM	G16/BA7.1 E4/A6.1	D16/BA7.1 L9/BA2.2	A10/BA7.1 A13/BA7.1	
130A 130B	FGIR	-	3'-0"	7'-0"	1 3/4	WD	- GL-2	S1	STL	G16/BA7.1	D16/BA7.1		STC 45 RATING
132	F	-	3'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
133	F	-	3'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
134	F	-	3'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G16/BA7.1	D16/BA7.1		STC 45 RATING
135	F	-	3'-0"	7'-0"	1 3/4"	WD WD	-	S1	STL	G16/BA7.1	D16/BA7.1		STC 45 RATING
136 137	F F	-	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	WD WD	-	S1 S1	STL STL	G16/BA7.1 G16/BA7.1	D16/BA7.1 D16/BA7.1	A10/BA7.1	STC 45 RATING
137	F	-	3'-0"	7'-0"	1 3/4"	WD	-	S1	STL	G16/BA7.1	D16/BA7.1		STC 45 RATING
139	F	-	6'-0"	7'-0"	1 3/4"	WD	-	S2	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
180	F		3'-0"	7'-0"	1 3/4"	STL	-	S2	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
181	F	-	3'-0"	7'-0"	1 3/4"	STL	-	S2	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
182	F	-	3'-0"	7'-0"	1 3/4"	STL	-	S2	STL	G16/BA7.1	D16/BA7.1	A10/BA7.1	
200	F F	90 MIN.	6'-0"	7'-0"	1 3/4" 1 3/4"	STL	-	S2	STL	G13/BA7.1	D13/BA7.1	A10/BA7.1	
201 ES1A	F	90 MIN.	6'-0" 6'-0"	7'-0" 7'-0"	1 3/4"	STL STL	-	S2 S2	STL STL	G13/BA7.1 G7/BA7.1	D13/BA7.1 D7/BA7.1	A10/BA7.1	MATCH EXISTING DOOR I
ES2A	 F	-	6'-0"	7'-0"	1 3/4"	STL	-	52 S2	STL	G7/BA7.1	D7/BA7.1		MATCH EXISTING DOOR I
ES2B	F	90 MIN.	3'-0"	7'-0"	1 3/4"	WD	_	S1	STL	A7/BA7.1	D15/BA2.3	A10/BA7.1	

3

4

5

DOOR NOTES:

INTERIOR THRESHOLDS SHOULD NOT EXCEED 1/2" IN HEIGHT AND SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

DOOR HANDLES, PULLS, LATCHES. LOCKS AND OTHER OPERATING DEVICES ON DOORS SHALL BE MOUNTED AT 3'-6" A.F.F. AND SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOESN'T REQUIRE TIGHT GRASPING OR PINCHING, OR SEVERE TWISTING TO OPERATE. . THE FORCE REQUIRED TO ACTIVATE DOOR HARDWARE AND OPEN DOORS SHOULD BE NO GREATER THAN 5 LBFT FOR INTERIOR DOORS.

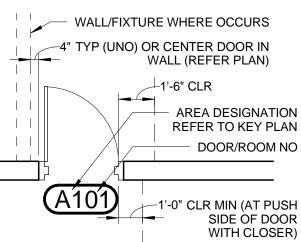
DOORS TO HAZARDOUS AREAS SUCH AS LOADING PLATFORMS, BOILER ROOMS, MECHANICAL AND ELECTRICAL ROOMS AND OTHER AREAS THAT MIGHT BE DANGEROUS TO A BLIND PERSON SHALL BE MADE IDENTIFIABLE TO THE TOUCH BY A TEXTURED SURFACE ON THE DOOR HANDLE OR OTHER DOOR OPERATING HARDWARE.

THE SWEEP PERIOD ON ANY DOORS WITH CLOSERS SHOULD BE ADJUSTED SO THAT FROM ANY OPEN POSITION OF 70 DEGREES THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED FROM THE LEADING EDGE OF THE DOOR.

ADJUST CUT-OFF AT BOTTOM OF ANY EXTERIOR HOLLOW METEL DOORS WITH HANDICAP ACCESSIBLE THRESHOLDS TO INSURE THAT THERE IS NO GAP BETWEEN THE BOTTOM OF THE DOOR AND THE TOP OF THRESHOLD SEAT.

ALL DOORS SHALL MEET T.A.S. REQUIREMENTS FOR CLEARANCES, HARDWARE, ETC

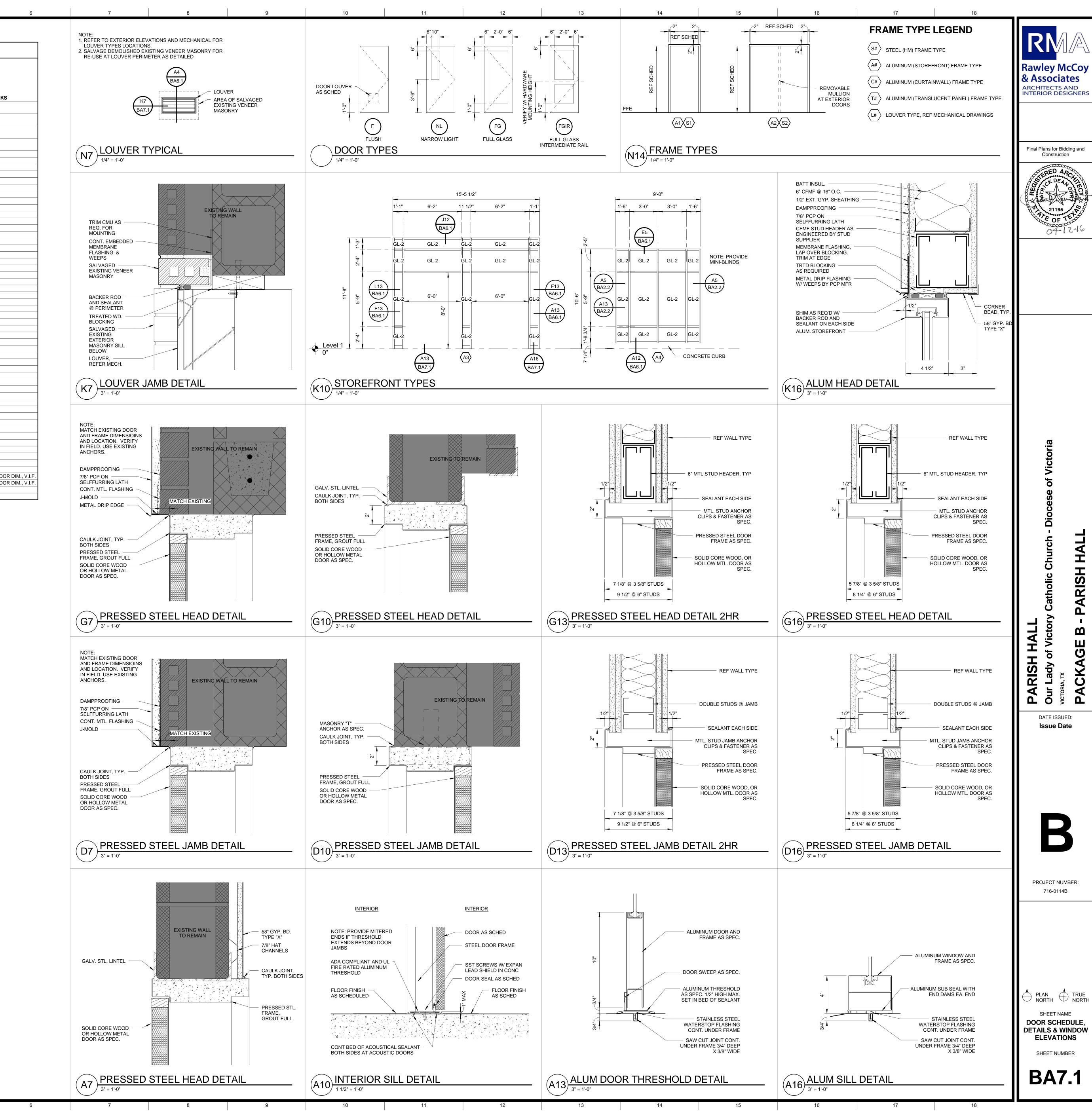
DOOR MARK LEGEND



- 2

GLAZING LEGEND

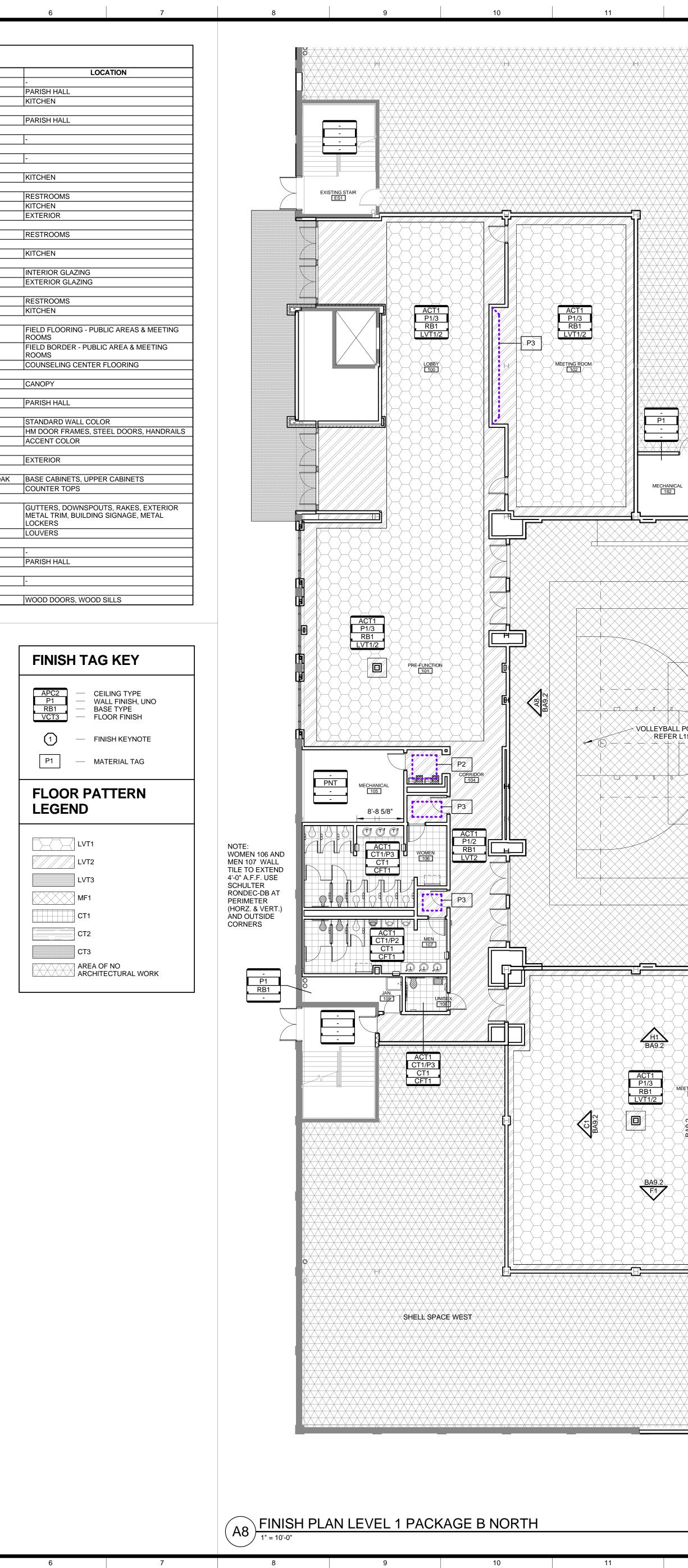
GL-1 CLEAR SAFETY GLASS GL-2 TINTED INSUL SAFETY GLASS



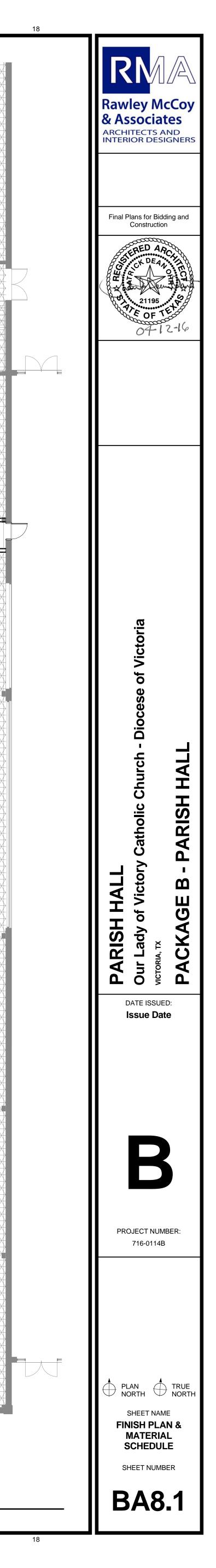
			MATERIAL SCHE	DULE	
MATERIAL	MARK	MANUFACTURER	STYLE	MFR. NO.	COLOR
ACOUSTIC PANEL CEILING	APC1	ARMSTRONG, 24x24	SCHOOL ZONE FINE FISSURED		WHITE
ACOUSTIC PANEL CEILING	APC2	ARMSTRONG, 24x24, HOLD DOWN CI			WHITE
ACOUSTIC PANEL CEILING	APC3	ARMSTRONG, 24x24	SHASTA - VINYL FACED	2904	WHITE
ACOUSTIC WALL PANEL	AWP1	TECTUM			PAINTED "P2"
ALUMINUM STOREFRONT	AL1	KAWNEER	TRIFAB	VG 451T	BRONZE
BRICK	BK1	ACME	KING	-	STANDARD
CERAMIC BASE	CB1	AMERICAN OLEAN	QUARRY COVE BASE	-	FAWN GRAY
CERAMIC FLOOR TILE	CFT1	ATLAS CONCORDE SOLUTION	SIGN 18"X18"	-	
	CFT2 CFT3	AMERICAN OLEAN ATLAS CONCORDE SOLUTION	QUARRY 6"X6"	- _	FAWN GRAY
SERAMIC LOOK HEE		ATEAS CONCORDE SOLUTION		-	
CERAMIC WALL TILE	CT1	ATLAS CONCORDE SOLUTION	SIGN 12"X24"	-	PEARL
FIBER REINFORCED PANEL	FRP1	NUDO	SMOOTH	LP-S9	PEARL
GLASS	GL-1	PPG	SINGLE PANE SAFETY GLASS		CLEAR
GLASS	GL-1 GL-2	PPG PPG	SOLABAN 60	- -	SOLAR BRONZE
JLAGO				-	SOLAR BRONZE
GROUT	GT1	LATICRETE	-	27	HEMP
GROUT	GT2	LATICRETE	-	27	BLACK
LUXURY VINYL TILE	LVT1	MOHAWK	GLOBAL ENTRY-SERENO	233	PLAYA
UXURY VINYL TILE	LVT2	MOHAWK	GLOBAL ENTRY-SERENO	888	COFFEE
UXURY VINYL TILE	LVT3	MOHAWK	GLOBAL ENTRY-ANTIEK	931	NIMBUS
METAL SOFFIT PANEL	MS1	MBCI - ARTISAN SERIES	L12	KYNAR 500	STANDARD
MULTI-USE FLOORING	MF1	GERFLOR	TARAFLEX MULTI-USE 6.2		STANDARD
PAINT	P1	SHERWIN WILLIAMS		SW 6036	ANGORA
PAINT	P1 P2	SHERWIN WILLIAMS	-	SW 6036	OTTER
PAINT	P2 P3	SHERWIN WILLIAMS	-	SW 6039	POISED TAUPE
PLASTER	PW1				STANDARD
		1			
PLASTIC LAMINATE	PL1	NEVAMAR	TEXTURED WITH ARP	WK0017T	VENERABLE OLD
PLASTIC LAMINATE	PL2	NEVAMAR	TEXTURED WITH ARP	WZ0056T	EISKAFFE
PREFINISHED METAL	PM1	CECO	-	KYNAR 500	STANDARD
PREFINISHED METAL	PM2	CECO	-	KYNAR 500	STANDARD
				447	
RUBBER BASE	RB1 RB2	ROPPE ROPPE	4" COVE 6" COVE	147 147	LT BROWN
TOILET PARTITION	TP1	AMPCO	SOLID PLASTIC	-	STANDARD
WOOD STAIN	WS1	SHERWIN WILLIAMS			CLEAR MAPLE



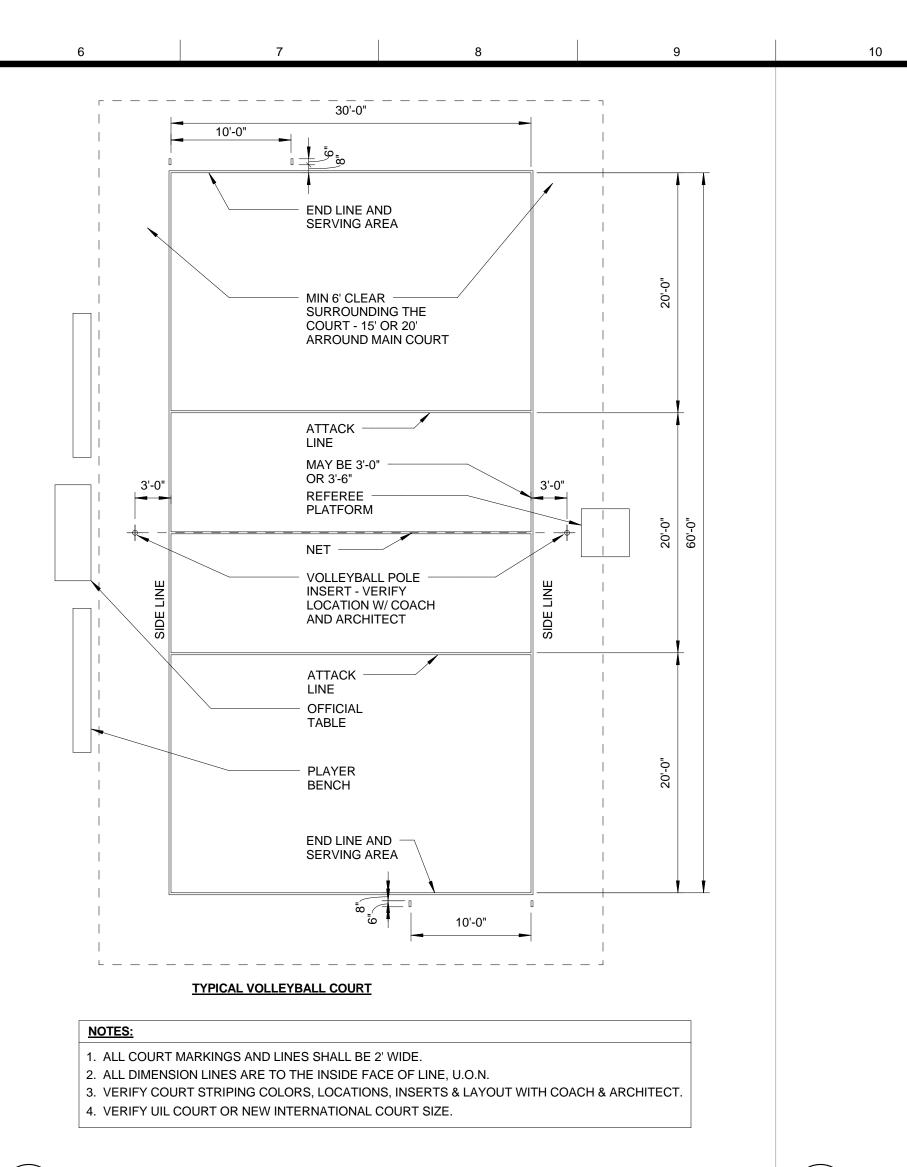
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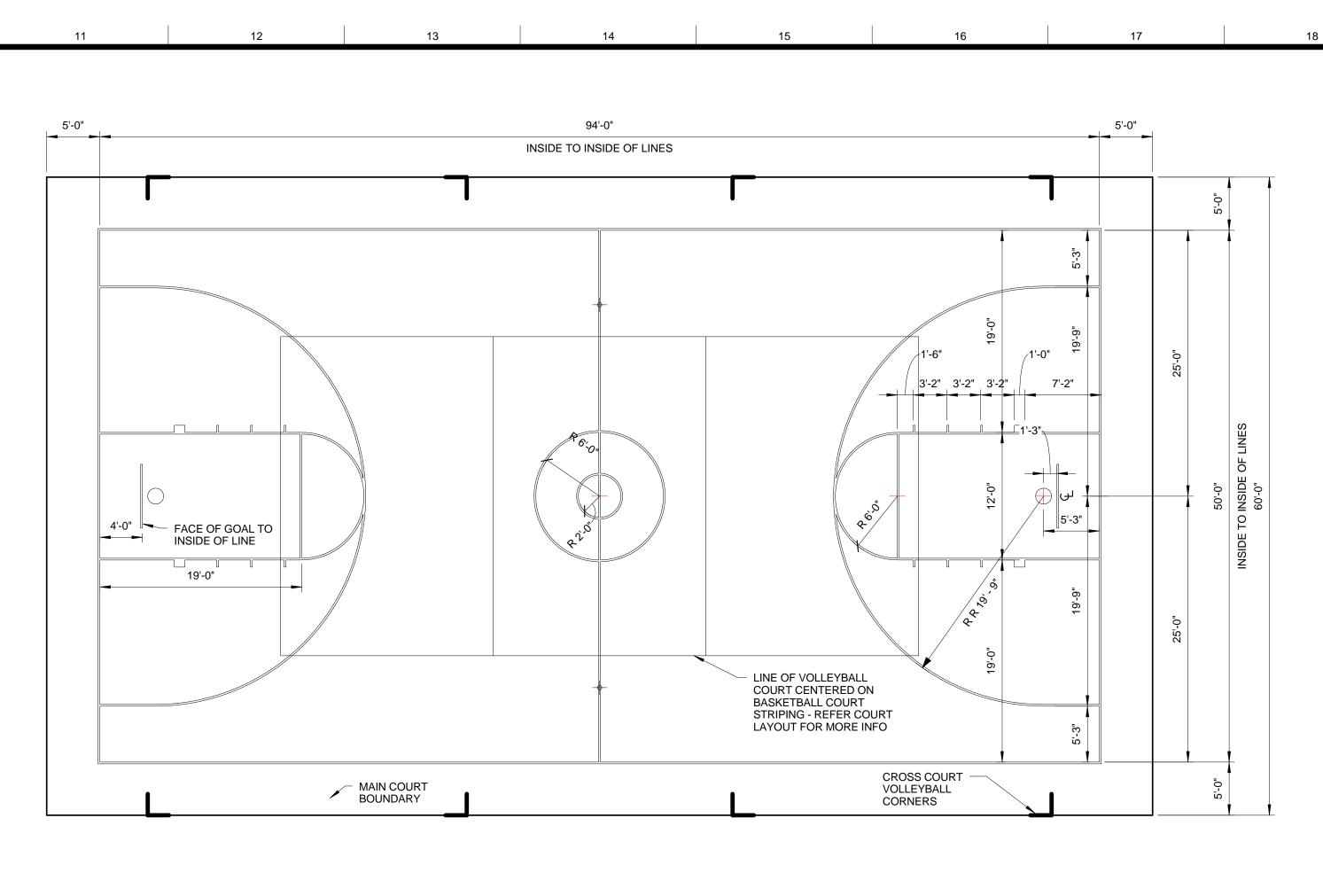


12	13 14	15	16	17
	****		****	<u></u>
	SHELL SPACE NORTH			
	ACT1 P1 RB2 MF1			
				PNT CORRIDOR RB1 [112]
	F1 BA9.1			
VOLLEYBALL POLE REFER L15/BA6.2	INSERT,			
POLE INSERT,	VOL	LEYBALL POLE INSERT,		
15/BA6.2		REFER L15/BA6.2		
	ACT2 P1/3 RB2 International			
VOLLEYBALL POLE REFER L15/BA6.2	INSERT,			
	BA9.1			
	BA9.11	SERVING [113] L4		
	PNT RB1 LVT1		ACT3 PNT CB1	
	N4 BA9.1	N4 BA9.1		
		КІТСНЕМ [114] МІСКО- ·· - ·· - ·· - ·· - ·· - ·· - ·· - ·	PANTRY 115	
	AC13 FRP1 CB1 CFT2	BA9.1 BA9.1 BA9.1 BA9.		
ETING ROOM				
	н			
	PNT - MECHANICAL - 139			
			SHELL SPACE EAST	
			P3 OFFICE COUNSELING 134 135 ACT1 ACT1 P1/2 P1/2	
		PNT RB1 LVT3 RUES IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	P1/3 RB1 LVT3 P1/3 RB1 LVT3	
	P1 RB1 VT1/2			ACT1 PNT RB1
		RB1		
			PNT PNT RB1	PNT RB1
		MECHANICAL	P3 COUNSELING 138	LVT3 COUNSELING 137
	Lange 1997			
			a a	



1 2 3 4 5	6	7	8
BASKETBALL COURT STRIPING NOTES:		30'-0" <u>10'-0"</u>	
GENERAL NOTES 1. ALL DIMENSION LINES ARE TO THE INSIDE OF FACE OF THE LINE AND ARE TYP. (U.O.N.)			
2. COURT STRIPING & COLORS SHALL BE AS DIRECTED BY ARCHITECT - VERIFY WITH ARCHITECT PRIOR TO PERFORMING ANY MARKING/STRIPING, TYP. 3. FIELD VERIFY EXACT LOCATIONS OF BACKBOARDS & POST INSERTS PRIOR TO PERFORMING ANY COURT MARKING/STRIPING, TYP.		END LINE AND SERVING AREA	
LL BASKETBALL COURT MARKINGS/LINES SHALL BE SOLID 2" WD WHITE PAINTED LINES, U.O.N. (INCLUDING PRACTICE COURT)		MIN 6' CLEAR SURROUNDING THE	
HE COLOR OF THE LANE SPACE MARKS AND THE NEUTRAL ZONE MARKS SHALL CONTRAST WITH THE BOUNDING LINES.		COURT - 15' OR 20' ARROUND MAIN COUR	Т
LLED WITH COLOR, THE MID-COURT SHALL BE THE SAME COLOR AS THE SHOOTING LANES. IFY - NO COLOR INSIDE OF THREE POINT ARC OR IN LANE IN BASE BID. (ONLY STRIPING, SCHOOL MASCOT, AND SCHOOL NAME)		ATTACK	
VCT COURT STRIPING SHALL BE CUT INTO FLOORS WHERE VCT FLOORS ARE SCHEDULED - ON BOTH SIDES OF THE STRIPES THE JOINTS IN THE FIELD COLORS SHALL BE ALIGNED.	3'-0"	LINE MAY BE 3'-0" OR 3'-6"	
L CROSS COURT STRIPING SHALL BE SOLID 1" WD WHITE PAINTED LINES U.O.N. RIFY ALL COURT LAYOUTS WITH MOST CURRENT REQUIREMENT OF GOVERNING SPORTS ASSOSCIATIONS.		REFEREE PLATFORM	
PETITION COURT STRIPING OMPETITIVE BASKETBALL COURT MARKING/STRIPING:		NET	/
 A. CONTINUE THE MID-COURT STRIPE AT THE CENTER COURT CIRCLE. B. MID-COURT STRIPING SHALL BE CLEARLY VISIBLE AND NOT BE COVERED BY ANY SCHOOL LOGO OR MASCOT. C. FIELD AREAS ARE AS FOLLOWS: BOUNDARY FIELD, FREE THROW LANE FIELD, & CENTER COURT FIELD (INSIDE LARGE CIRCLE, 		LOCATION W/ COACH AND ARCHITECT	
BUT OUTSIDE SMALL CIRCLE). D. SUB-FIELD AREAS ARE AS FOLLOWS: CENTER COURT SMALL CIRCLE. COMPETITIVE VOLLEYBALL COURT STRIPING:		ATTACK LINE OFFICIAL	
A. ALL COURT MARKINGS/LINES SHALL BE SOLID 2" WIDE PAINTED, CENTERED IN SPACE (INCLUDING PRACTICE COURT) U.O.N. VERIFY COLOR OF LINES WITH ARCHITECT.		TABLE	
CROSS-COURT BASKETBALL COURT STRIPING: A. ALL COURT MARKINGS/LINES SHALL BE SOLID 1" WD. WHITE PAINTED LINES U.O.N.		PLAYER BENCH	
VERIFY ALL COURT LAYOUTS WITH MOST CURRENT REQUIREMENT OF GOVERNMENT SPORTS ASSOSCIATIONS		END LINE AND	
SCHOOL NAME & MASCOT POSITIION (EURO BOLD EXTENDED STYLE)			10'-0"
	NOTES:	TYPICAL VOLLEYBALL COURT	
	2. ALL DIMENS	MARKINGS AND LINES SHALL BE 2' WIDE. NON LINES ARE TO THE INSIDE FACE OF LINI JRT STRIPING COLORS, LOCATIONS, INSERT	
	4. VERIFY UIL (COURT OR NEW INTERNATIONAL COURT SIZ	.E.
	(J6) COURT S ⁻	TRIPING PLAN	

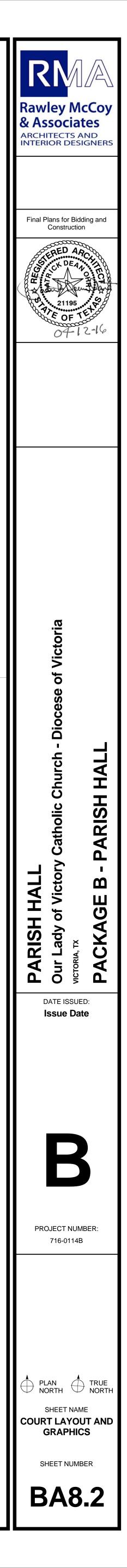


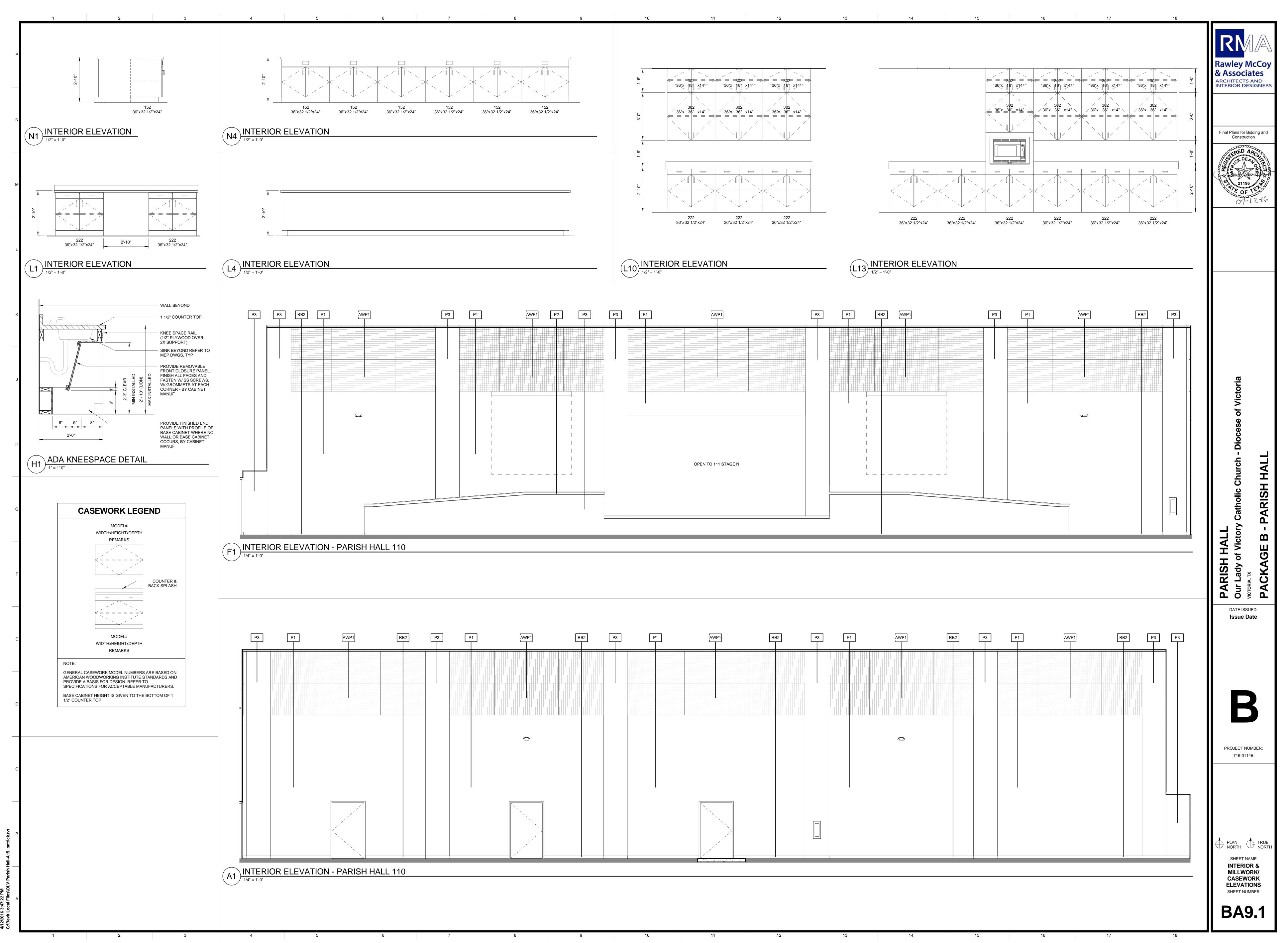


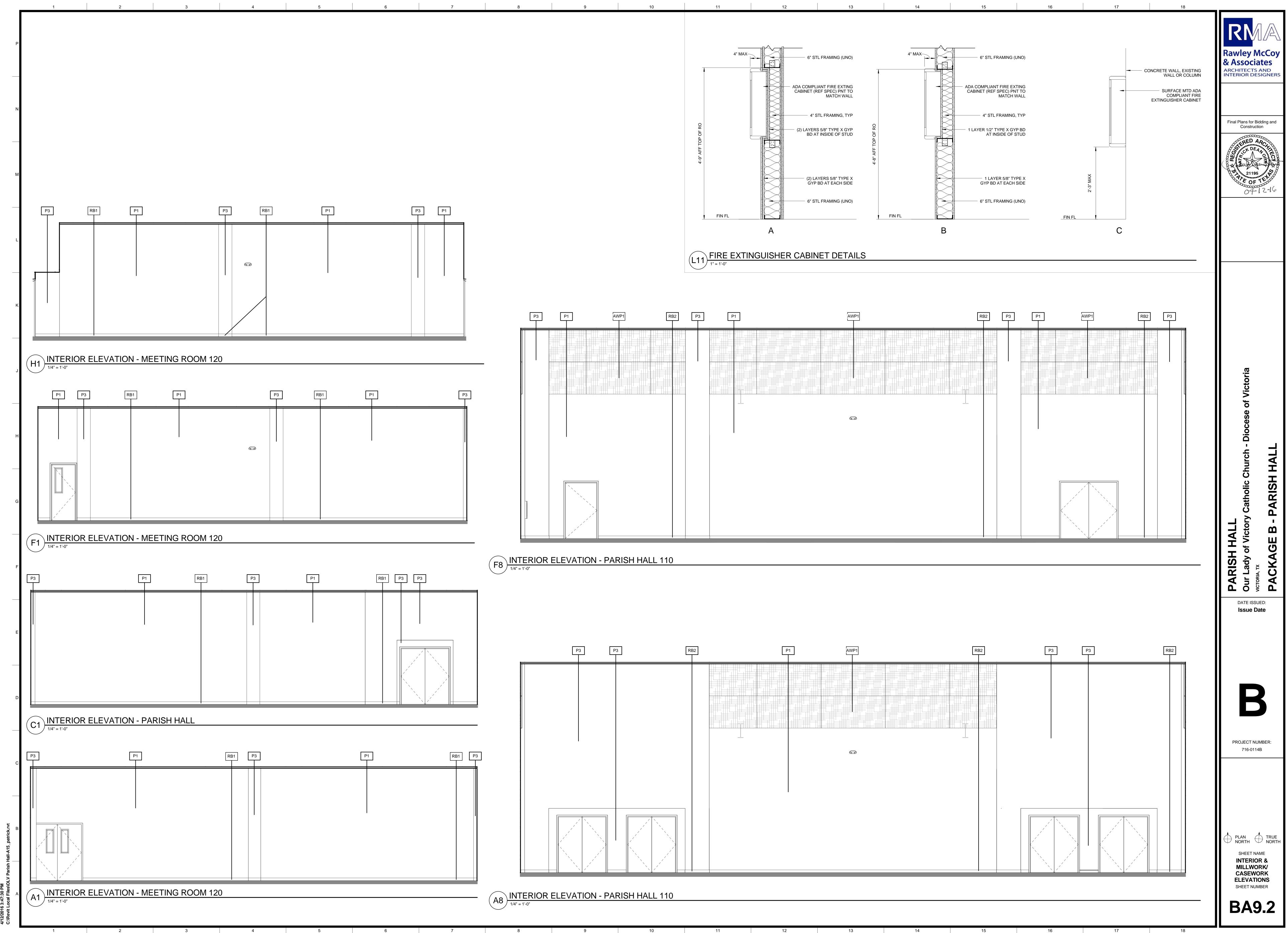
(F10) COURT STRIPING PLAN

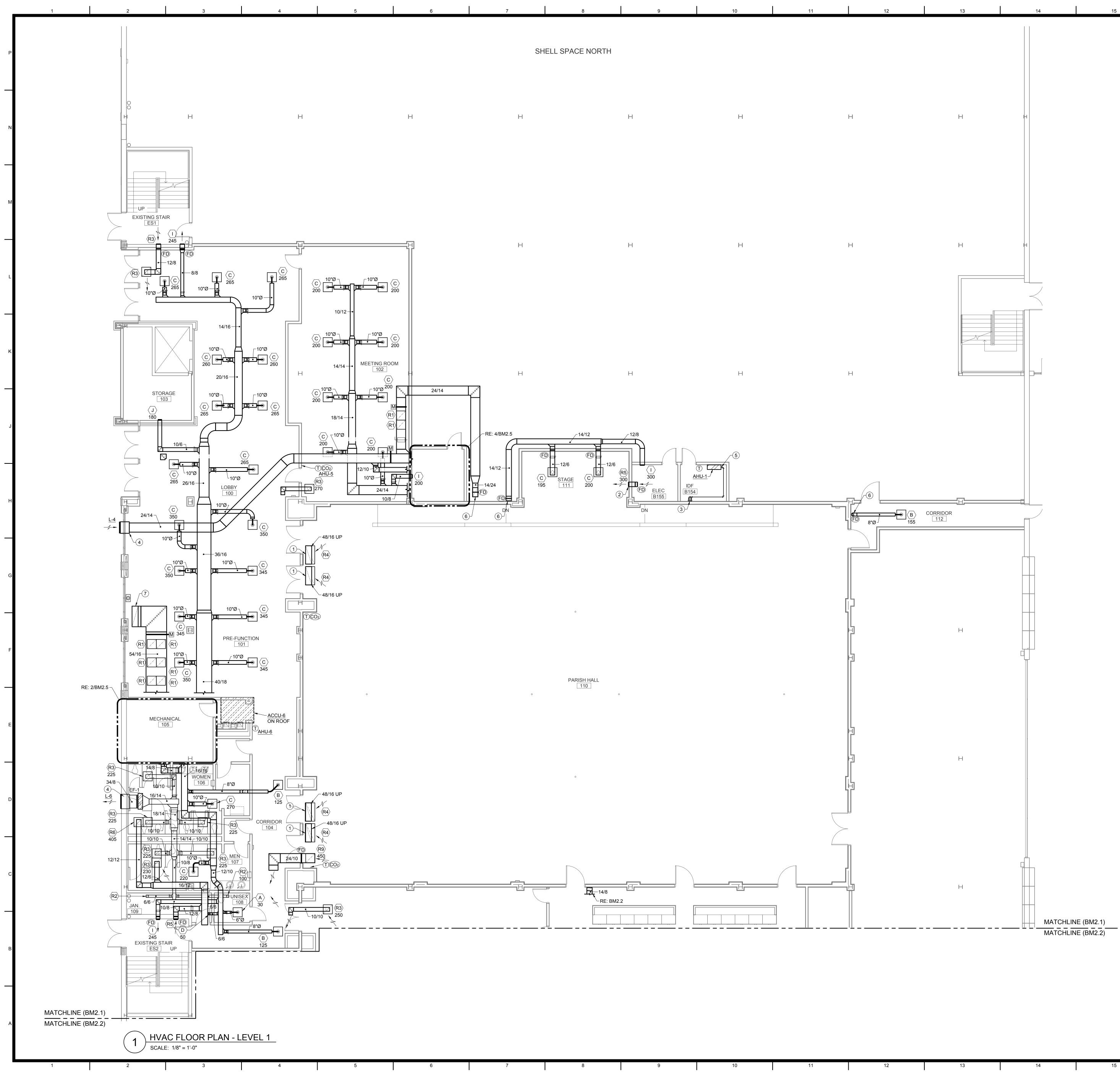
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BASKETBALL COURT STRIPING - W/ 2 X 60' VOLLEYBALL PRACTICE CROSS COURTS



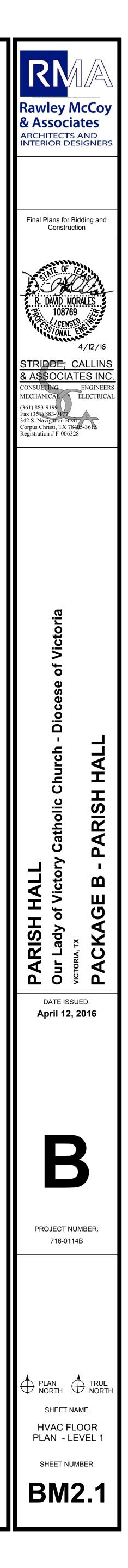


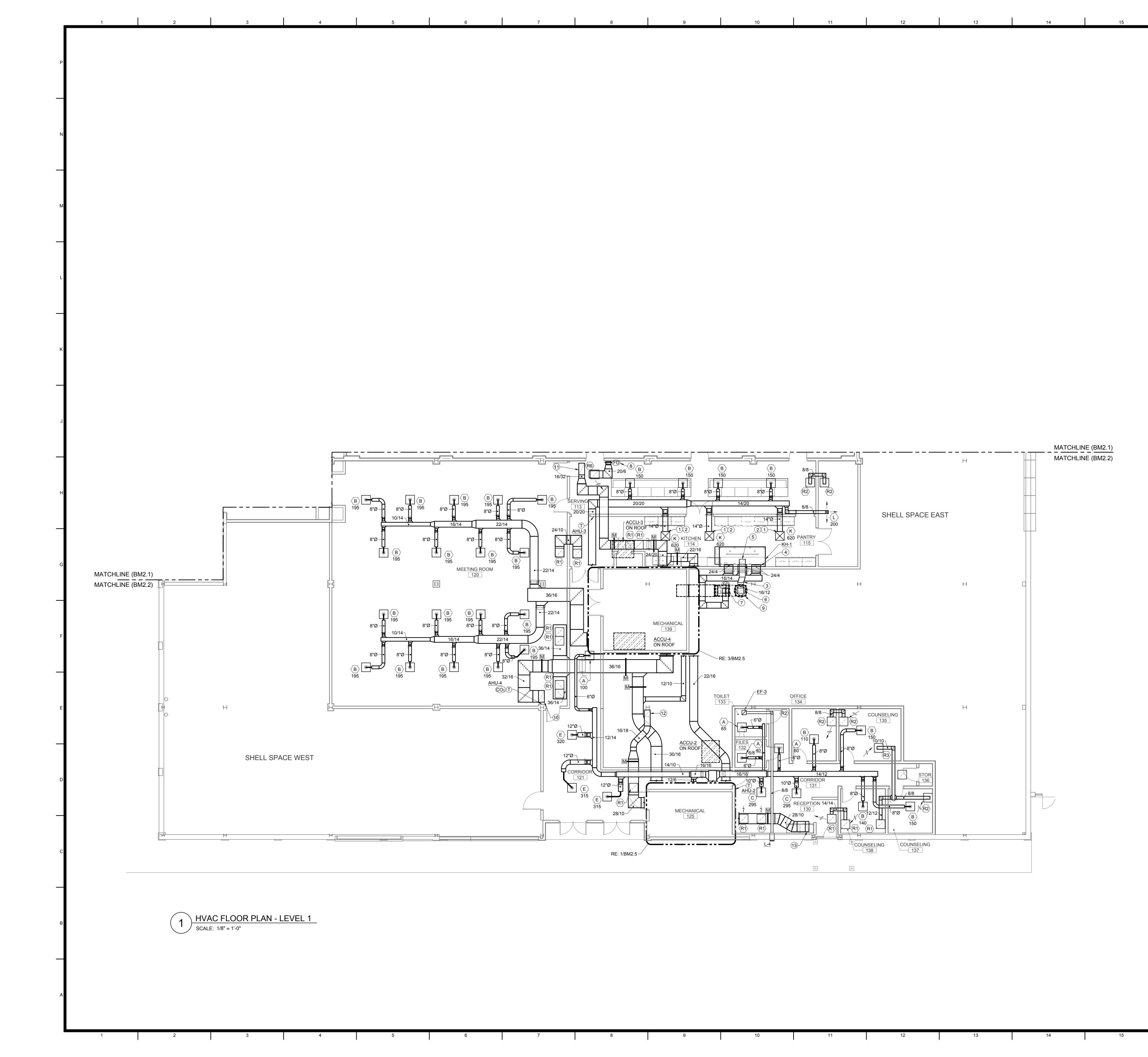




(7) 54/16 UP THROUGH FLOOR. INSTALL FIRE DAMPER AT FLOOR PENETRATION

- 6 PROVIDE FIRE DAMPER PROTECTION AT ALL FLOOR PENETRATIONS (TYPICAL).
- 5 HANG DUCTLESS MINISPLIT ON WALL, 7'-0" A.F.F. COORDINATE FINAL LOCATION WITH OWNER'S I.T. PERSONNEL. EXTEND 3/4" HARD DRAWN COPPER INSULATED CONDENSATE DRAIN LINE WITHIN WALL TO DRAIN BOX. REFER TO PLUMBING DRAWINGS FOR LOCATION.
- (4) OUTSIDE AIR LOUVER PLENUM SAME SIZE AS LOUVER DUCT CONNECTION BY 24" DEEP. SLOPE BOTTOM OF PLENUM TOWARDS LOUVER.
- (3) REFRIGERANT PIPING UP TO $\underline{CU-1}$ on Roof.
- 2 MOUNT TRANSFER GRILLE 1'-0" BELOW CEILING IN ROOM 111.
- HVAC KEYED NOTES: 1 TRANSITION IN RISER AND CONNECT 48/16 RETURN AIR DUCT TO 48"X24" RETURN AIR GRILLE.

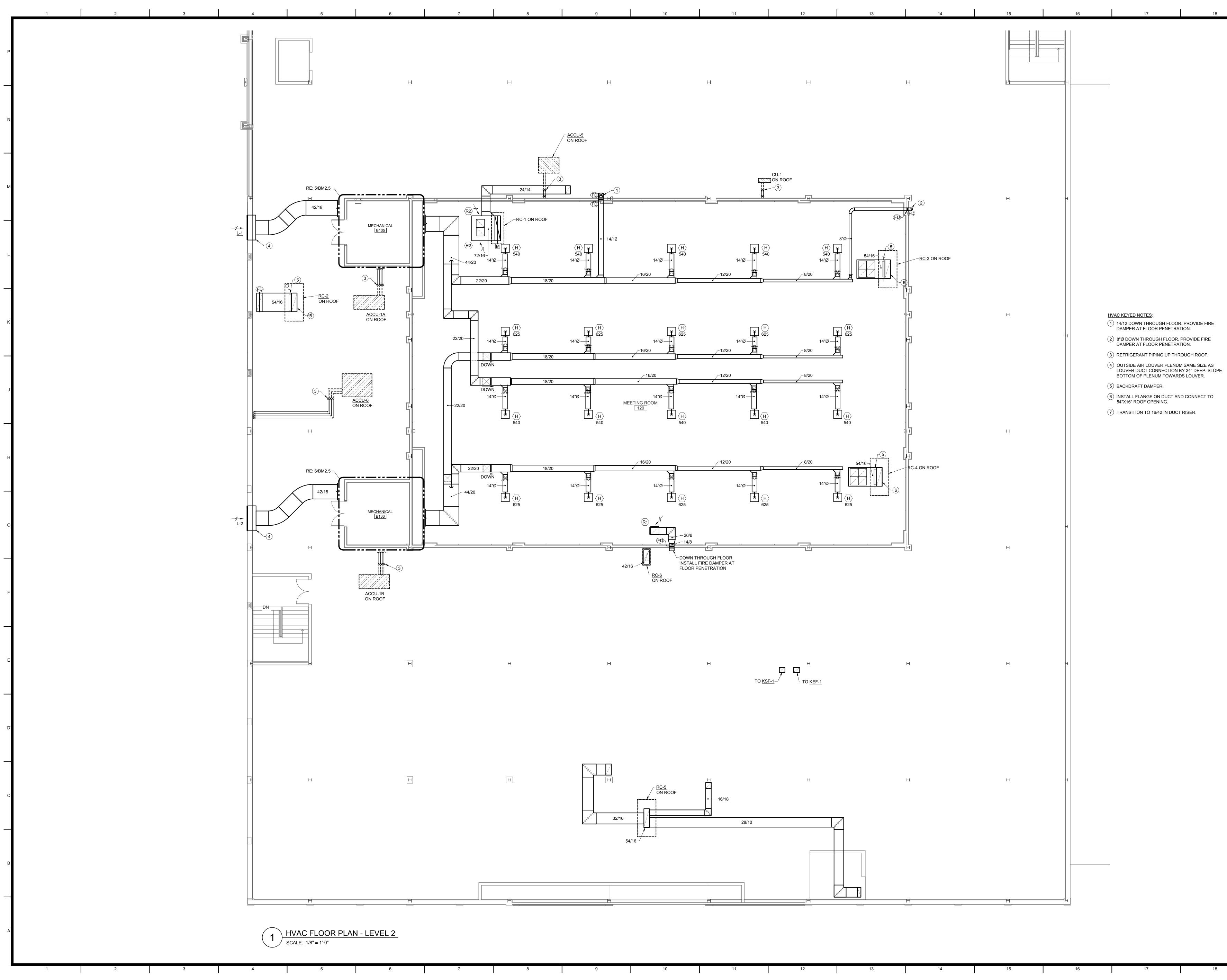


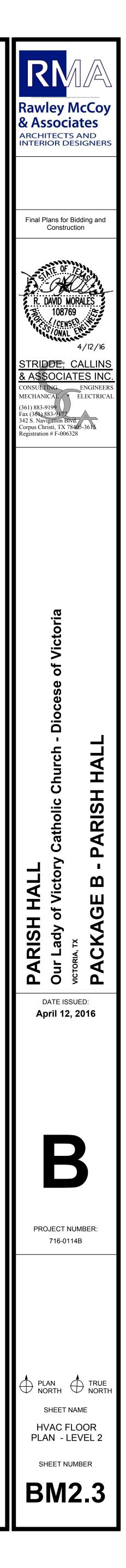


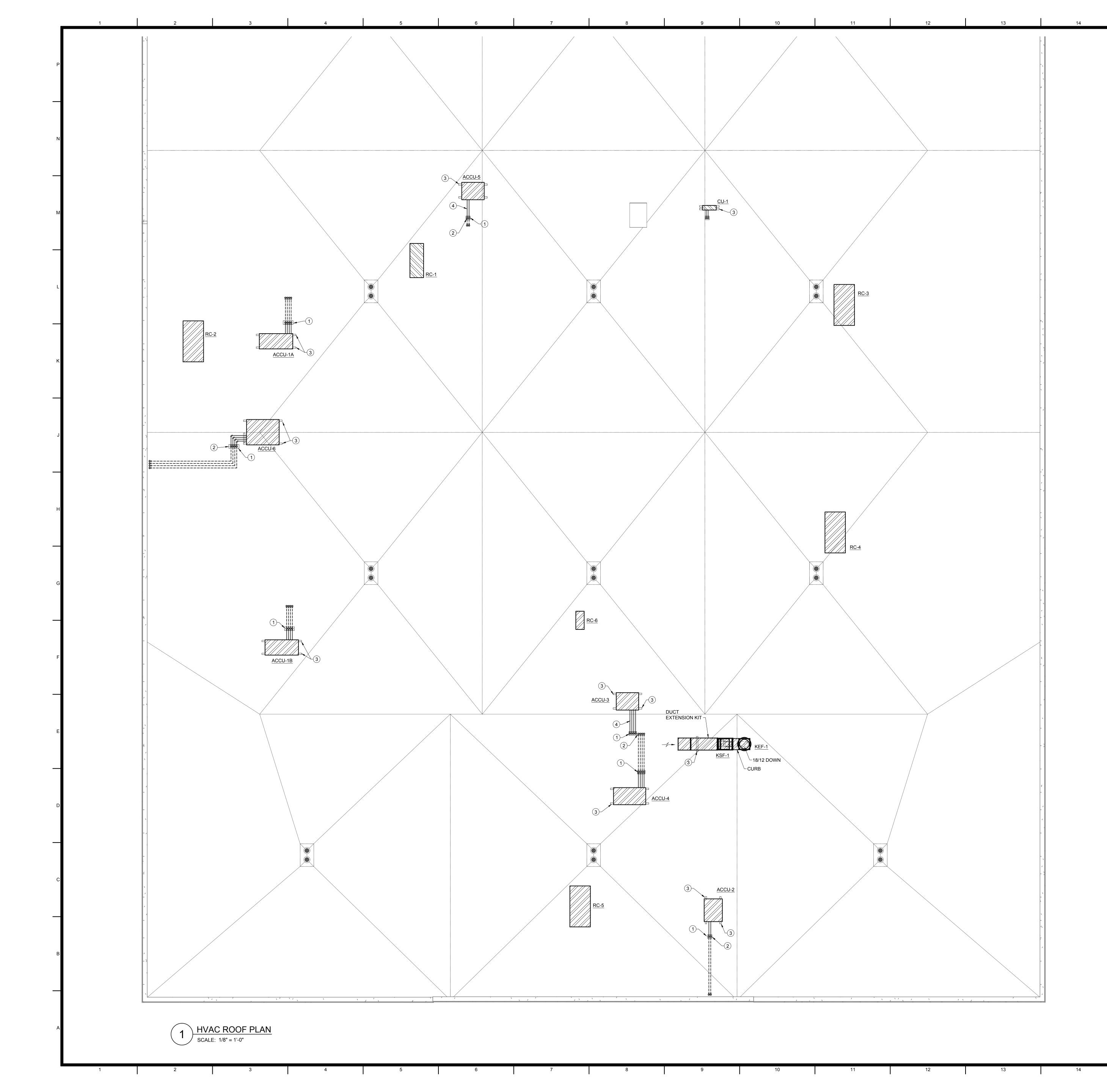
- (13) 28/10 UP THROUGH FLOOR. INSTALL FIRE DAMPER AT FLOOR PENETRATION.
- (12) 16/18 UP THROUGH FLOOR. INSTALL FIRE DAMPER AT FLOOR PENETRATION.
- (11) 32/16 UP THROUGH FLOOR. INSTALL FIRE DAMPER AT FLOOR PENETRATION.
- (10) 36/16 UP THROUGH FLOOR. INSTALL FIRE DAMPER AT FLOOR PENETRATION.
- 9 COMBINATION SUPPLY / EXHAUST KITCHEN HOOD FANS ON ROOF.
- 8 14/8 TRANSFER AIR DUCT UP THROUGH FLOOR TO ABOVE SECOND FLOOR CEILING. INSTALL FIRE DAMPER AT FLOOR PENETRATION.
- 2ND FLOOR DUCT PENETRATION.
- CONTRACTOR. $(\overline{7})$ 16"X14" SUPPLY DUCT UP TO KSF-1 ON ROOF. INSTALL FIRE DAMPER AT
- (6) 16"X12" EXHAUST DUCT UP THROUGH SECOND FLOOR ENCASE KITCHEN EXHAUST DUCT IN 2 HOUR ENCLOSUR FROM FINISHED 2ND FLOOR TO BOTTOM OF ROOF. COORDINATE WITH GENERAL
- 5 18"X12" EXHAUST DUCT, TRANSITION AND RISER TO HOOD DUCT CONNECTION SIZE.
- (4) THREE 24"X4" SUPPLY DUCT CONNECTIONS.
- ACCESS DOORS AT ALL TURN OF DIRECTION.
- (3) RADIUS ELBOWS ON KITCHEN EXHAUST DUCT. PROVIDE LIQUID TIGHT
- (2) CONNECT 14"Ø SUPPLY DUCT INTO SIDE OF PLENUM.
- HVAC KEYED NOTES: (1) PROVIDE A 22/22 BY 24" TALL PLENUM FOR DUCT CONNECTION TO SUPPLY AIR DEVICE.

Rawley McCoy & Associates ARCHITECTS AND INTERIOR DESIGNERS Final Plans for Bidding and Construction 1087 4/12/16 STRIDDE, CALLINS & A\$\$OCIATES INC. CONSULTING ENGINEERS MECHANICAL * ELECTRICAL (361) 883-9199 Fax (361) 883-9177 342 S. Navigation Blvd. Corpus Christi, TX 78405-3615 Bacitterius # E 00(220) Registration # F-006328 I RISH C Μ Ш C of ARISH A dγ Ě C 4 o § d Δ DATE ISSUED: April 12, 2016 PROJECT NUMBER: 716-0114B PLAN TRUE NORTH NORTH SHEET NAME HVAC FLOOR PLAN - LEVEL 1 SHEET NUMBER

BM2.2







HVAC KEYED NOTES:

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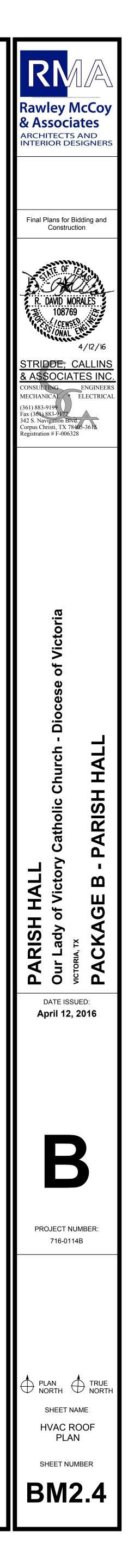
1 PATE PHA, OR EQUAL PIPE CURB: INSULATE INTERIOR WITH MINIMUM R-8 RIDGID INSULATION AND SEAL ALL JOISTS. CONSULT ROOFER FOR HEIGHT. (MINIMUM 8 INCHES ABOVE FINISHED ROOF.)

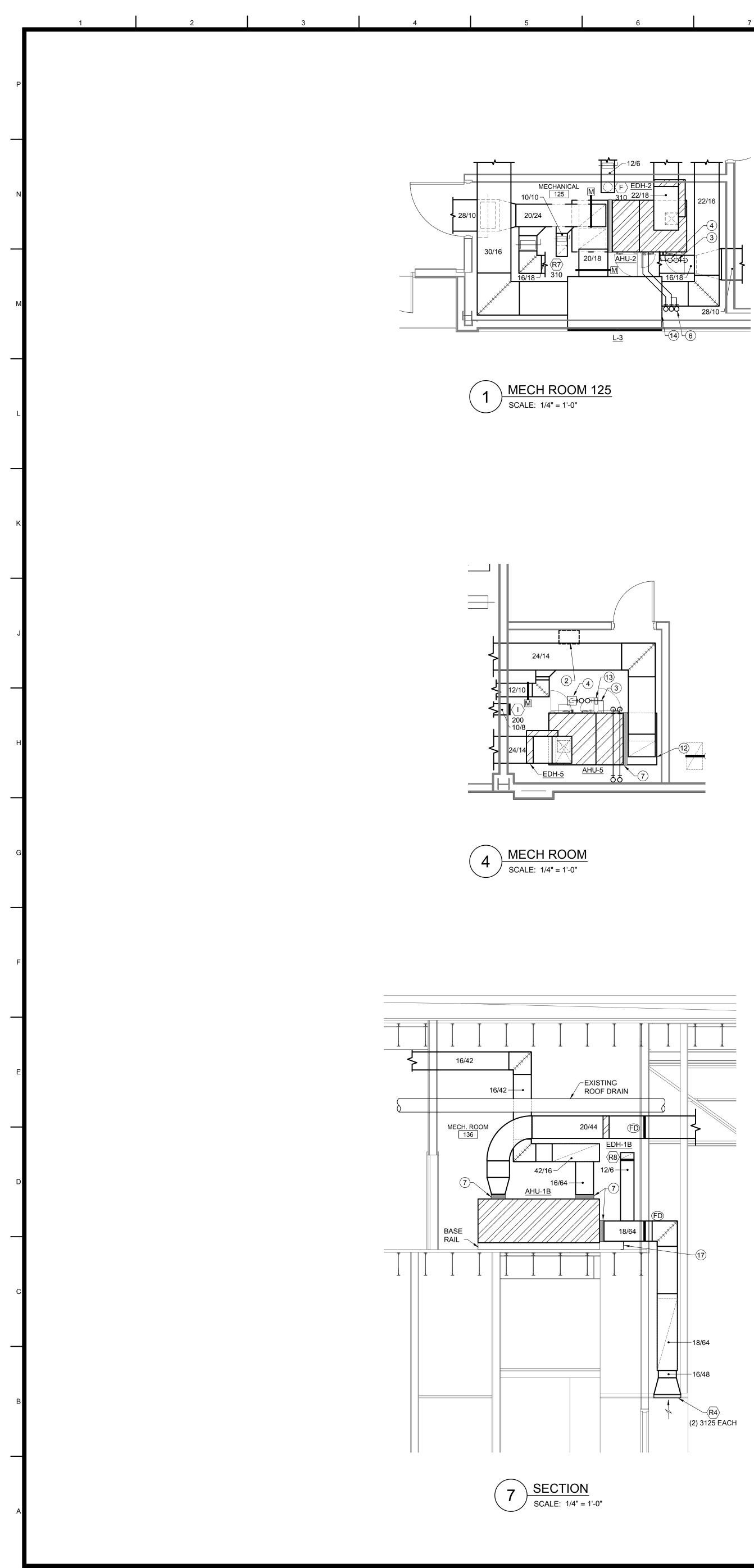
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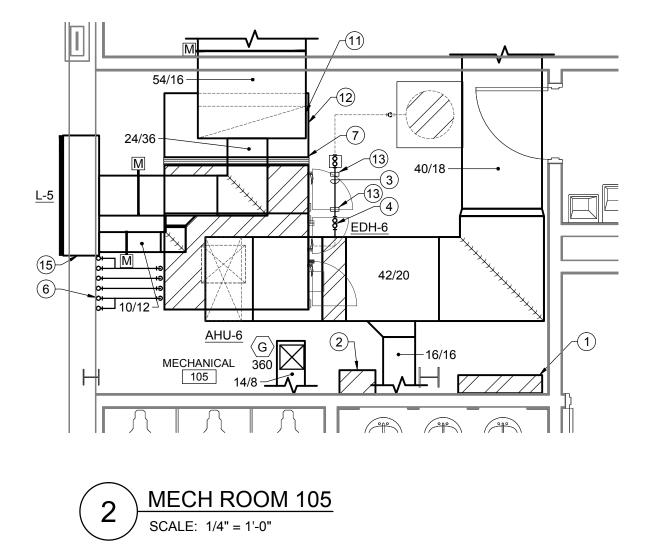
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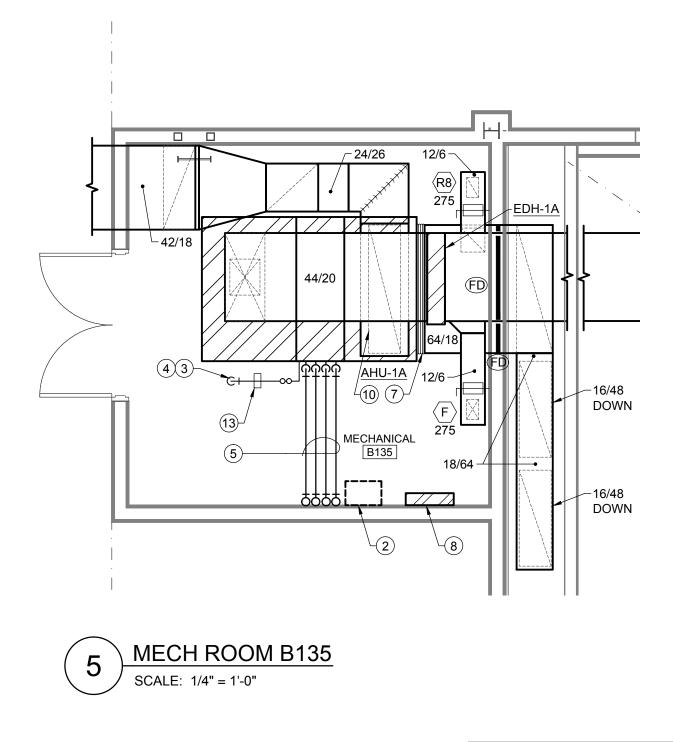
- 2 VERIFY FINAL LENGTH OF REFRIGERANT PIPING AND COORDINATE WITH AIR COOLED CONDENSING UNIT MANUFACTURER TO DETERMINE RECOMMENDED PIPE SIZES AND WHERE DOUBLE SUCTION RISERS ARE REQUIRED.
- 3 PATE PREFABRICATED EQUIPMENT SUPPORTS (TYPICAL). CONSULT ROOFER FOR HEIGHT. SECURE CURBS TO STRUCTURE AND CONDENSING UNIT TO CURB PER LOCAL WINDSTORM REQUIREMENTS. ALL EXTERIOR FASTENERS AND ACCESSORIES SHALL BE STAINLESS STEEL.

(4) PROVIDE ALUMINUM JACKET ON EXTERIOR INSULATION (TYPICAL).

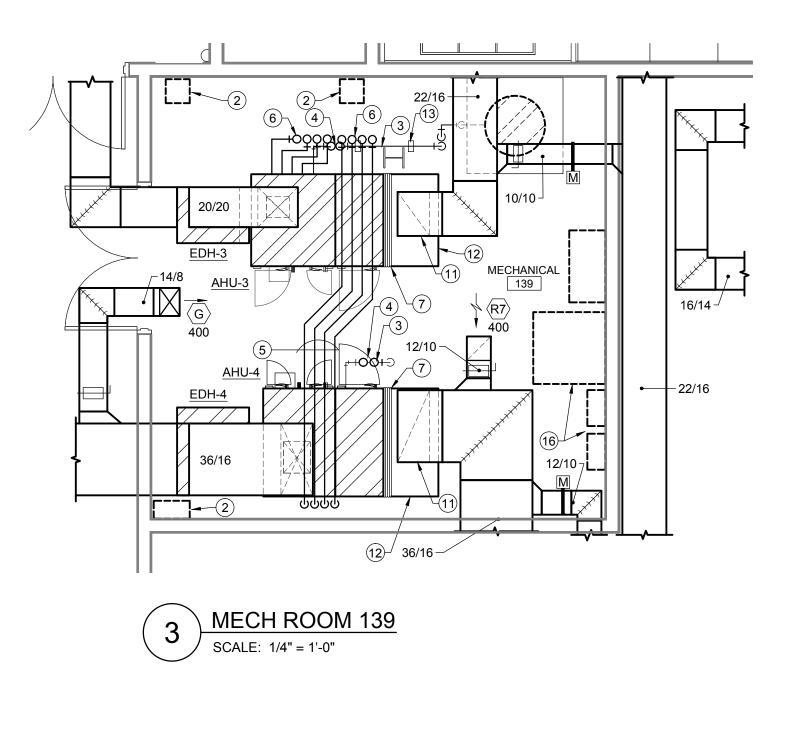


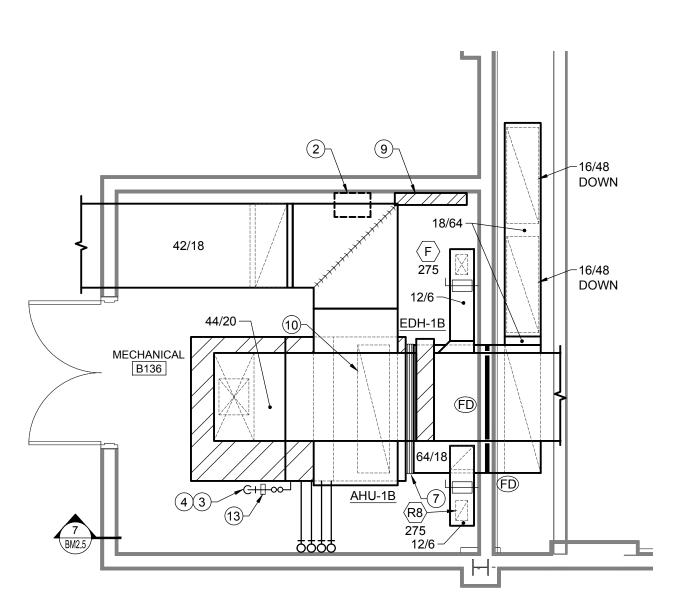






12/10 12	DUCT SIZE, (FIRST OR TOP NO INDICATES SIDE FACING VIEWER)		
	SUPPLY DUCT UP -		TEE UP, TEE DOWN
	SUPPLY DUCT DOWN		ELBOW UP, ELBOW DOWN
			UNION
	RETURN, EXHAUST, OR O/A DUCT UP		STRAINER WITH BLOW-OFF
	RETURN, EXHAUST, OR O/A DUCT DOWN	U	THERMOMETER WITH WELL
		-U	THERMOMETER WELL ONLY
	FLEXIBLE DUCT CONNECTION	(P) T	PRESSURE GAUGE WITH COCK
	RECTANGULAR DUCT ELBOW WITH TURNING VANES	<u> </u>	GAUGE COCK ONLY
	MANUAL MULTI-LEAF VOLUME DAMPER		VENTURI FLOW TUBE
↓ MVD ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	WITH LOCKING QUADRANT	AAV	AUTOMATIC AIR VENT
	FIRE DAMPER WITH FUSIBLE LINK - REFER	AD	ACCESS DOOR
	TO SCHEDULE FOR DESCRIPTION	AF	AIR FOIL
< IR → → →	DUCT RISE IN DIRECTION OF AIR FLOW	AHU	AIR HANDLING UNIT
 ↓ D → 	SLOPED DUCT DROP IN DIRECTION OF AIR FLOW	BPV	BY-PASS VALVE
		CCW	COUNTER CLOCKWISE
	DUCT ACCESS PANEL	CW	CLOCKWISE
FSD	FIRE/ SMOKE DAMPER	CV	CONSTANT VOLUME
M	MOTORIZED DAMPER	E.D.H.	ELECTRIC DUCT HEATER
FM	AIRFLOW METER	ERTU	EXISTING ROOFTOP AIR HANDLING UNIT
\frown	AIR DEVICE DESIGNATION AND AIR FLOW (CFM)	EFC	EXISTING FAN COIL
000	·	EF	EXHAUST FAN
H	DEWPOINT SENSOR (SUBSCRIPT IDENTIFIES ZONE)	EEF	EXISTING EXHAUST FAN
T	THERMOSTAT (SUBSCRIPT IDENTIFIES ZONE)	ESF	EXISTING SUPPLY FAN
(S)	TEMPERATURE SENSOR (SUBSCRIPT IDENTIFIES ZONE) CARBON DIOXIDE SENSOR	FC/FCU	FAN COIL / FAN COIL UNIT
©02 CHR		HWS	HOT WATER SUPPLY
-	CHILLED WATER SUPPLY PIPING	HWR	HOT WATER RETURN
	COLD WATER (MAKE-UP) PIPING	IAQ	INDOOR AIR QUALITY
	CONDENSER WATER RETURN PIPING	IV	ISOLATION VALVE
	CONDENSER WATER SUPPLY PIPING	LH	LEFT HAND FAN ORIENTATION
D	DRAIN PIPING	OA	OUTSIDE AIR
	GATE VALVE	RH	RIGHT HAND FAN ORIENTATION
	BALL VALVE	RTU SF	ROOFTOP AIR HANDLING UNIT SUPPLY FAN
$\neg \vdash \neg \not \bigcirc \neg$	BUTTERFLY VALVE	SS	STAINLESS STEEL
	CONTROL VALVE, TWO WAY	UBF	UPBLAST FRONT
	CONTROL VALVE, THREE WAY	UBR	UPBLAST REAR
	CHECK VALVE	UV	UNIT VENTILATOR
	PRESSURE-RELIEF VALVE	VAV	VARIABLE AIR VOLUME
Ø	AUTOMATIC AIR VENT	VFD	VARIABLE FREQUENCY DRIVE
I		WP	WEATHERPROOF
* THIS IS	A GENERAL LEGEND. ALL SYMBOLS AND ABBREV	IATIONS MAY	NOT APPLY TO THIS PROJECT.





MECH ROOM B136 SCALE: 1/4" = 1'-0"

SYMBOLS AND ABBREVIATIONS

HVAC GENERAL NOTES

- THESE GENERAL NOTES APPLY TO ALL HVAC DRAWINGS. DUCT SIZES ARE INSIDE CLEAR DIMENSIONS. ADJUST AS NECESSARY TO ALLOW FOR LINER. PROVIDE SHEET METAL SHOP DRAWINGS FOR REQUIRED DUCT CONNECTIONS AND
- TRANSITIONS TO EQUIPMENT PRIOR TO FABRICATION. FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS AND REQUIRED MECHANICAL CLEARANCES FOR NEW
- HVAC EQUIPMENT. PROVIDE FLEXIBLE CONNECTION AT DUCT ATTACHMENTS TO AHU'S AND EF'S
- HVAC EQUIPMENT SUBMITTED OTHER THAN SCHEDULED MANUFACTURER'S SHALL NOT EXCEED PHYSICAL DIMENSIONS DUE TO SPACE LIMITATIONS.
- ALL PIPING AND DUCTWORK PENETRATIONS OF FIRE-RATED BARRIERS SHALL BE PROTECTED WITH FIRE BLOCKING MATERIAL PER SPECIFICATIONS. MANUAL VOLUME DAMPERS INSTALLED IN RECTANGULAR DUCTWORK SHALL BE
- OPPOSED BLADE TYPE. MANUAL VOLUME DAMPERS INSTALLED IN ROUND DUCTWORK SHALL BE BUTTERFLY TYPE.
- BALANCING DAMPERS IN EXTERNALLY INSULATED DUCTWORK SHALL BE PROVIDED WITH A BUILD-OUT ON DAMPER OPERATOR TO EXTEND OPERATOR HANDLE TO OUTSIDE OF INSULATION.
- CONCEALED DUCTWORK TO HAVE OPERABLE QUADRANTS ON BALANCING DAMPERS.
- 10. PROVIDE ACCESS TO ALL CONTROL, MOTORIZED, BALANCING OR FIRE DAMPERS. 1. PROVIDE ACCESS DOORS IN DUCTS AND CEILINGS WHERE NECESSARY. 12. TEMPERATURE CONTROL CABLING MAY BE RUN EXPOSED ONLY ABOVE ACCESSIBLE CEILINGS. ALL CABLING INSTALLED IN WALLS AND BELOW CEILINGS IN UNFINISHED SPACES MUST BE INSTALLED IN RIGID CONDUIT. REFER TO
- SPECIFICATIONS. . TEMPERATURE CONTROL CABLING ABOVE CEILINGS SHALL BE NEATLY BUNDLED AND SECURELY SUPPORTED TO THE BUILDING ROOF STRUCTURE. ALL SUCH CABLING ABOVE ACCESSIBLE CEILINGS SHALL BE ROUTED SQUARE WITH BUILDING
- LINES. 4. RETURN AIR PLENUMS CONNECTING TO AIR HANDLING UNITS SHALL BE LINED WITH
- INSULATION AS SPECIFIED, EXCEPT AHU-3. AHU-3: ALL DUCT AND PLENUMS SHALL BE EXTERNALLY INSULATED. 5. JOBSITE VERIFY LOCATION OF TEMPERATURE SENSORS PRIOR TO INSTALLATION.

MANDATORY: CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND DETERMINE ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK. ANY CONDITIONS RESULTING IN ADDITIONAL WORK ARISING AFTER AWARD OF CONTRACT AND START OF CONSTRUCTION SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.

- ELECTRICAL EQUIPMENT. (17) 18 GAUGE GALVANIZED CHANNEL DUCT SUPPORT.
- DUCT TOWARDS LOUVER. LOUVER. (16) ELECTRICAL EQUIPMENT LOCATION. COORDINATE WITH ELECTRICAL CONTRACTOR. PROVIDE DRAIN PAN PROTECTION UNDER ANY DUCT CROSSING OVER
- (15) PLENUM SAME SIZE AS LOUVER DUCT CONNECTION SIZE BY 36" DEEP. SLOPE BOTTOM OF DUCT TOWARDS
- SIZE BY 24" DEEP (L-3 46" DEEP). SLOPE BOTTOM OF
- (14) PLENUM SAME SIZE AS LOUVER DUCT CONNECTION
- SUPPORTS (TYPICAL).
- (13) MIRO INDUSTRIES, OR EQUAL, ADJUSTABLE PIPE

- (12) RETURN AIR PLENUM SAME SIZE AS AIR HANDLING UNIT RETURN OPENING.

- RISER.
- (11) INSTALL OPPOSED BLADE DAMPER IN RETURN AIR DUCT
- OUTSIDE AIR DUCT.

- EDH-1B.

- (9) SCR CONTROLLER FOR ELECTRIC DUCT HEATER

(8) SCR CONTROLLER FOR ELECTRIC DUCT HEATER

17

HVAC KEYED NOTES:

DRAIN.

(TYPICAL).

(TYPICAL).

EDH-1A.

(7) FLEXIBLE DUCT CONNECTION.

ELECTRICAL CONTRACTOR.

DRAIN CONNECTION ON AIR HANDLING UNIT.

(4) PROVIDE TRAP AND AIR BREAK, EXTEND TO FLOOR

ON CENTER AND EACH CHANGE IN DIRECTION

- (10) 64/16 DUCT UP FROM MIXING BOX. CONNECT TO 24/16

(1) SCR CONTROLLER FOR ELECTRIC DUCT HEATER EDH-6. (2) AIR HANDLING UNIT MOTOR STARTER FURNISHED BY

(3) INSULATED COPPER CONDENSATE DRAIN SAME SIZE AS

(5) REFRIGERANT PIPING. PROVIDE HANGERS FOUR FEET

(6) REFRIGERANT PIPING UP THROUGH FLOOR. PROVIDE SCHEDULE 40 PVC SLEEVES THROUGH PENETRATIONS. SEAL PENETRATION AND INTERIOR OF PIPE SLEEVE

Rawley McCoy & Associates ARCHITECTS AND INTERIOR DESIGNERS Final Plans for Bidding and Construction 108769 4/12/16 STRIDDE, CALLINS & A\$\$OCIATES INC ENGINEE IECHANICAL * ELECTRICA (361) 883-9199 Fax (361) 883-9477 342 S. Navigation Blvd. Corpus Christi, TX 78405-3615 Registration # F-006328 RIS Μ 5 U of ARISH d۷ Z Ě C 4 Ō ∛ O Δ DATE ISSUED: April 12, 2016 PROJECT NUMBER: 716-0114B 🕂 PLAN 🕂 TRUE NORTH 🕀 NORTH SHEET NAME 1/4" SCALE MECH ROOMS, SYMBOLS ABBRV. & GENERAL NOTES SHEET NUMBER **BM2.5**

		А	IR DE\	ICE S	SCHED	JULE
DESIG.	NECK SIZE	TYPE	SERVICE	OBVD DAMPER	MOUNTING	MANUFACTURER & REMARKS
A	6"Ø	DIFFUSER	SUPPLY	NO	LAY-IN	TITUS TMS-AA, 360° DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
B	8"Ø	DIFFUSER	SUPPLY	NO	LAY-IN	TITUS TMS-AA, 360° DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
Ċ	10"Ø	DIFFUSER	SUPPLY	NO	LAY-IN	TITUS TMS-AA, 360° DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
	6"x6"	GRILLE	SUPPLY / EXHAUST	NO	DUCT	TITUS TDC-AA, 2-WAY DISCHARGE, BORDER TYPE I ALUMINUM CONSTRUCTION WHITE FINISH
E	12"Ø	DIFFUSER	SUPPLY	NO	LAY-IN	TITUS TMS-AA, 360° DISCHARGE ALUMINUM CONSTRUCTION 24"X24" LAY-IN PANEL WHITE FINISH
F	12"x10"	GRILLE	SUPPLY	YES	DUCT	TITUS TDC-AA - ONE WAY DISCHARGE, ALUMINUM CONSTRUCTION
G	12"X12"	GRILLE	SUPPLY	YES	DUCT	TITUS TDC-AA - ONE WAY DISCHARGE, ALUMINUM CONSTRUCTION
H	14"Ø	DIFFUSER	SUPPLY	NO	LAY-IN	TITUS TMS-AA 360° DISCHARGE, 24X24 LAY IN PANEL, ALUMINUM CONSTRUCTION, WHITE FINISH
	12"X8"	DIFFUSER	SUPPLY	NO	SIDEWALL	TITUS 300FS DOUBLE DEFLECTION, ALUMINUM CONSTRUCTION, WHITE FINISH
J	10"X6"	DIFFUSER	SUPPLY	NO	SIDEWALL	TITUS 300FS DOUBLE DEFLECTION, ALUMINUM CONSTRUCTION, WHITE FINISH
ĸ	22"x22"	GRILLE	SUPPLY TO PLENUM	NO	LAY-IN	TITUS PAR-AA LAY-IN 24"X24" PANEL BORDER TYPE 3, ALUMINUM CONSTRUCTION
L	8"X8"	DIFFUSER	SUPPLY	NO	DUCT	TITUS TDC-AA, 3-WAY DISCHARGE BOULDER TYPE, ALUMINUM CONSTRUCTION, WHITE FINISH
(R1)	22"x22"	GRILLE	RETURN	NO	LAY-IN	TITUS 50F, ALUMINUM CONSTRUCTION, WHITE FINISH, 24"X24" PANEL
R2	8"x8"	GRILLE	RETURN/ TRANSFER	NO	LAY-IN	TITUS 50F, 35° DEFLECTION, ALUMINUM CONSTRUCTION, WHITE FINISH, 24"X24" PANEL
(R3)	10"x10"	GRILLE	RETURN/ EXHAUST	NO	LAY-IN	TITUS 50F, ALUMINUM CONSTRUCTION, 24"X24" PANEL, WHITE FINISH
R4	48"X24"	GRILLE	RETURN	NO	SURFACE	TITUS 350RL, 3/4" SPACING 35° FIXED DEFLECTION WHITE FINISH
(R5)	12"X12"	GRILLE	RETURN	NO	DUCT/ SIDEWALL	TITUS 350RL, 3/4" SPACING 35° FIXED DEFLECTION WHITE FINISH
(R6)	16"X16"	GRILLE	TRANSFER	NO	LAY-IN	TITUS 50F, 24"X24" PANEL, WHITE FINISH
(R7)	10"X10"	GRILLE	RETURN	NO	DUCT MOUNTED	TITUS 355FL 1/2" SPACING, 35° DEFECTION ALUMINUM CONSTRUCTION
(R8)	12"X8"	GRILLE	RETURN	NO	DUCT/ SURFACE	TITUS 355FL 1/2" SPACING, 35° DEFECTION. ALUMINUM CONSTRUCTION
R9	24"X24"	GRILLE	TRANSFER	NO	SURFACE	TITUS 350FL, 3/4" SPACING 35° DEFLECTION ALUMINUM CONSTRUCTION

NOTES:

OBVD - OPPOSED BLADE VOLUME DAMPER.

. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE AIR DEVICE FRAME AND MOUNTING SYSTEM TO MATCH THE ARCHITECT CEILING TYPES. SEE ARCHITECTURAL DRAWINGS FOR COORDINATION. . CONFIRM AIR DEVICE COLOR WITH ARCHITECT.

4. ON ALL REGISTERS, PROVIDE CONCEALED FRAME MOUNTING. NO SCREWS SHALL BE IN FACE OF FRAME. . NECK SIZE IS NOTED ON THE DRAWINGS AND SHALL BE THE SAME SIZE AS THE DUCT RUNOUT TO THE DIFFUSER.

	ROOF CAP SCHEDULE								
DESIG.	THROAT SIZE (IN)	HOOD AREA (FT²)	HEIGHT (IN.)	SERVES	TYPE	MANUFACTURER & MODEL NO.			
RC-1	16"X72"	8	11	AHU-1A & AHU-1B	O.A. RELIEF	COOK VR			
RC-2	32X66"	14.67	17.25	AHU-6	RELIEF	COOK VR			
RC-3	32X66"	14.67	17.25	RTU-1A	RELIEF	COOK VR			
RC-4	32X66"	14.67	17.25	RTU-1B	RELIEF	COOK VR			
RC-5	32X66"	14.67	17.25	RTU-4	RELIEF	COOK VR			
RC-6	16X42"	4.67	13.75	RTU-3	RELIEF	COOK VR			
NOTES:									

FURNISH WITH 14" HIGH INSULATED ROOF CURB. 2. PROVIDE MOTORIZED DAMPER INTERLOCKING WITH AHU-1A AND AHU-1B ECONOMIZER CYCLE.

		<u></u>		SCHED		
DESIG.	SIZE (W x H)	NET FREE AREA (FT²)	TYPE	CFM	SERVES	MANUFACTURER & MODEL NO.
L-1	42X24	3.48	INTAKE	1890	AHU-1A	RUSKIN ELF6375DXD
L-2	42X24	3.48	INTAKE	1890	AHU-1B	RUSKIN ELF6375DXD
L-3	48X18	3.15	INTAKE	155, 335 & 450	AHU-2, 3, & 4	RUSKIN ELF6375DXD
L-4	18X18	0.93	INTAKE	320	AHU-5	RUSKIN ELF6375DXD
L-5	18X18	0.93	INTAKE	450	AHU-6	RUSKIN ELF6375DXD
L-6	42X18	2.32	EXHAUST	1200	EF-1	RUSKIN ELF6375DXD
L-7	12X18	0.58	EXHAUST	100	EF-3	RUSKIN ELF6375DXD

PROVIDE BIRD SCREEN. 2. COORDINATE FINISH AND FRAME CONSTRUCTION WITH ARCHITECT. 3. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.

4. PROVIDE DRAIN ABOVE BLADES AND EXTERIOR SILL

11	10	9	8	7	
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	ELECTRIC DUCT HEATER SCHEDULE								
MARK	SERVES	KW	NUMBER OF STAGES	V/P/H	EAT °F	LAT °F	CFM	MANUFACTURER & MODEL NO.	
EDH-1A,1B	AHU-1A,1B	56	SCR	460/3/60	58.4	85.6	6650	REDDI MODEL RN	
EDH-2	AHU-2	16	2	460/3/60	67.7	86.7	2665	REDDI MODEL R	
EDH-3	AHU-3	18	2	460/3/60	64.9	86.6	2660	REDDI MODEL R	
EDH-4	AHU-4	23	2	460/3/60	64.9	83.5	3910	REDDI MODEL R	
EDH-5	AHU-5	12	2	460/3/60	62.4	85	1800	REDDI MODEL R	
EDH-6	AHU-6	52	SCR	460/3/60	67.4	90.8	7005	REDDI MODEL RN	

NOTES: (APPLY TO ALL EDH'S UNLESS OTHERWISE NOTED)

MAINTAIN NATIONAL ELECTRICAL CODE CLEARANCES IN FRONT OF HEATER CONTROL PANEL. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES TO COMBUSTIBLES.

PROVIDE MANUFACTURER'S RECOMMENDED MOUNTING HARDWARE. 4. MAXIMUM AIRSIDE PRESSURE LOSS - 0.10".

5. PROVIDE 24V CONTROLS WITH TRANSFORMER. 6. PROVIDE INSULATED TERMINAL BOX.

. PROVIDE SAFETY AND OPERATING CONTROLS PER NEC. 8. EXTERNALLY INSULATE ALL SURFACES SUBJECT TO CONDENSATION.

9. FUSING SHALL BE BY STAGES. 10. SINGLE POINT WIRING CONNECTION. 11. SLIP-IN, OPEN ELEMENT TYPE.

EDH-6.

12. PROVIDE SAFETY DISCONNECT SWITCH, AIRFLOW SWITCH, HIGH TEMPERATURE CUTOUT. 13. PROVIDE WALL MOUNTED REMOTE S.C.R. CONTROL TERMINAL BOX FOR EDH-1A, EDH-1B, AND

	LOUVER SCHEDULE									
DESIG.	SIZE (W x H)	NET FREE AREA (FT²)	TYPE	CFM	SERVES	MANUFACTURER & MODEL NO.				
L-1	60X42	9.6	INTAKE	6650	AHU-1A	RUSKIN ELF6375DX				
L-2	60X42	9.6	INTAKE	6650	AHU-1B	RUSKIN ELF6375DX				
L-3	72X48	13.46	INTAKE	9235	AHU-2, 3, & 4	RUSKIN ELF6375DX				
L-4	30X24	2.5	INTAKE	1800	AHU-5	RUSKIN ELF6375DX				
L-5	60X42	9.6	INTAKE	7005	AHU-6	RUSKIN ELF6375DX				
L-6	42X18	2.32	EXHAUST	1200	EF-1	RUSKIN ELF6375DX				
L-7	12X18	0.58	EXHAUST	100	EF-3	RUSKIN ELF6375DX				
NOTES:	·		•	•	•					

PROVIDE BIRD SCREEN. 2. COORDINATE FINISH AND FRAME CONSTRUCTION WITH ARCHITECT.

COORDINATE MOUNTING HEIGHT WITH ARCHITECT. 4. PROVIDE DRAINABLE BLADES AND EXTENDED SILL.

				/ \ \			UNIT S										
		FAN					COOLII	NG COIL					ELECT	RICAL		MANUFACTURER	
MARK	SUPPLY CFM	OUTDOOR AIR CFM	E.S.P. IN. WG	MOTOR H.P.	TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	ENTERING AIR DB/WB (°F)	LEAVING AIR DB/WB (°F)	ROWS	FINS PER INCH	FACE AREA SQ/.FT.	FAN FLA	MCA	МОСР	V/P/H	MODEL NO.	WEIGHT (LBS)
AHU-1A,1B	6650	1890	1.06	7.5	318.4 186.8 80.4/69.4 54.2/54 8 11 14.34 9.3 11.6 20 460/3/60 CARRIER		CARRIER 39M 014	14 2540									
AHU-2	2665	155	1.00	3	84.8	65.3	76.0/63.3	53.6/52.3	4	14	5.9	3.9	4.9	6	460/3/60	CARRIER 39M 06	1690
AHU-3	2660	335	1.00	2	96.7	70.6	77.4/64.3	52.8/51.7	6	8	5.9	2.8	3.5	6	460/3/60	CARRIER 39M 06	1430
AHU-4	3910	450	1.00	5	165.8	101.3	77.4/67	53.7/53.1	6	11	7.64	6.5	8.1	10	460/3/60	CARRIER 39M 08	1710
AHU-5	1800	320	1.00	1.5	82.3	47	78.5/68.3	52.9/52.3	6	8	4.13	2.1	2.6	3	460/3/60	CARRIER 39M 06	1450
AHU-6	7005	450	1.00	7.5	226	175.7 76/63.4 53.2/52.39 6 11 14.34 9.4 11.8 20 460/3/60 C.				CARRIER 39M 014	2430						
MAINTE 2. PROVID 3. PROVID 4. PROVID 5. PROVID 6. PROVID 7. PROVID	 9. AHU-1A,1B,3,5: PROVIDE CO2 SENSOR MOUNTED ADJACENT TO THERMOSTAT OR COMBINATION CO2 SENSOR THERMOSTAT AND DEMAND CONTROL VENTILATION SEQUENCE. 10. PROVIDE MANUFACTURER'S 7-DAY PROGRAMMABLE DIGITAL THERMOSTAT WITH AUXILIARY OUTSIDE AIR DAMPER CONTACT AND DEMAND CONTROL VENTILATION SEQUENCE CAPABILITY. 10. PROVIDE MANUFACTURER'S 7-DAY PROGRAMMABLE DIGITAL THERMOSTAT WITH AUXILIARY OUTSIDE AIR DAMPER CONTACT AND DEMAND CONTROL VENTILATION SEQUENCE CAPABILITY. 11. PROVIDE FILTER MIXING BOX AT AHU-1A AND AHU-1B DVIDE SPRING ISOLATION FOR FAN MOTOR. 12. AHU-1A, 1B: PROVIDE FACTORY MIXING BOX WITH RETURN AND OUTSIDE AIR CONTROLLER AND SENSORS. 12. AHU-1A, 1B: PROVIDE FACTORY MIXING BOX WITH RETURN AND OUTSIDE AIR DAMPERS. HVAC CONTRACTOR SHALL PROVIDE MODULATING ACTUATORS FIELD INSTALLED, INTERLOCKED FOR ECONOMIZER OPERATION. 																
					CTLES	S MINI	-SPLIT	SYSTE	EM								
SIG. CI	FM CAF	ACITY CAP		TOTAL CAPACITY (BTU/HR)	REF LINE S	CAS	SEER @		DATA SYSTEM MOCP	V/F	2/H	INDOOR UNIT WEIGHT (LBS)	OUTDOO UNIT WEIGH (LBS)	т	MANUFAC & MODEL		
						I P											

DESIG.		Crivi	(BTU/HR)	(BTU/HR)	(BTU/HR)			
AH-1/CU-	1	194	3,300	8,790				
<u>NOTES:</u> 1. 2.		-				~~~		
2. 3. 4. 5. 6. 7.	 VARIABLE SPEED, DIGITAL INVERTER COMPRESSOR HIGH AND LOW PRESSURE SAFETY. 							
8. 9. 10. 11. 12. 13.								
14. 15.	AUTC	MATIC RES	TART AFTER I REFRIGERAN	POWER INTE				

										15. INSUL	ATE BOTH REFRIC	JERANT LIQUID AND	GAS LINES.												J		
	FAN SCHEDULE] [AIR		DLE	D CONDE	INSI	NG U		CHE	DUL	E					
DESIG.	CFM	E.S.P.	H.P.	V/P/H	RPM	TYPE	SERVICE	SONES	MANUFACTURER	CONTROL	WEIGHT CONTROL WITH CURB NOTES			OUTDOOR MARK AMBIENT CA		_ CAPACITY NO.OF	ELECTRICAL								CTION LINE SIZE		WEIGHT
DESIG.		E.3.F.	п.г.	V/F/П			SERVICE	SONES	MODEL NO.	CONTROL	(LBS.)	NOTES	MARK	(°F)	MBH	COMPRESSORS	V/P/H	QTY	COMPRESSOR RLA	MCA	MOCP	LIQUID LINE SIZE	= SIZE	SUCTION	INE SIZE	EER @ ARI	(LBS)
EF-1	1325	0.30	1/2	120/1/60	823	IN	MENS/ WOMENS	3.4	COOK GC1000	A	125	1,2,3,7,10	ACCU-1A,1B	98	318.4	2	460/3/ 60	2 EA.	23.1	57.8	80	5%"	5%"	11/8"	11/8"	10.9	1300
KEF-1	2100	1.3	1	460/3/60	1202	UB	KITCHEN HOOD	13.1	ACCUREX XRUD-180HP-10	В	170	1,2,3,4,5,6,8,9	ACCU-2	98	84.8	1	460/3/60	1 EA.	12.6	18.0	25	5⁄8"	-	1½"	-	12.9	430
EF-2	100	0.25	1/10	120/1/60	929	CD	UNISEX	1.9	COOK GC144	С	15	1,2,3,7	ACCU-3	98	96.7	2	460/3/60	2 EA.	12.6	19	25	3%"	3⁄8"	7⁄8"	7⁄8"	12.4	490
KSF-1	1420	0.5	1/2	120/1/60	875	MU	KITCHEN HOOD	12	ACCUREX XKSFB-109-H15-01	В	365	1,2,3,5,9	ACCU-4	98	165.8	2	460/3/60	2 EA.	12.2 EA.	29.9	40	1/2"	1/2"	11/8"	11/8"	13.4	730
<u>NO</u>	<u>ES:</u>	<u>TYPE:</u>																									
2. 3.	PROVIDE INTEGRAL BACKDRAFT DAMPER. UB - UPBLAST CENTRIFUGAL ROOF EXHAUSTER - BELT DRIVE PROVIDE THERMAL PROTECTION. CD - CEILING MOUNTED CABINET EXHAUSTER - DIRECT DRIVE PROVIDE INTERNAL DISCONNECT SWITCH, FACTORY MOUNTED. IN - INLINE, SUSPENDED - DIRECT DRIVE.						ACCU-5	98	82.3	1	460/3/60	1 EA.	12.6	18	25	5⁄8"	-	11⁄8"	-	12.9	430						
5.	 PROVIDE BIRD SCREEN. PROVIDE 14" HIGH INSULATED ALUMINUM ROOF MOUNTING CURB WITH PITCH TO MATCH ROOF SLOPE. SECURE CURB TO ROOF AND FAN TO CURB PER LOCAL WINDSTORM REQUIREMENTS. 					ACCU-6	98	226	2	460/3/60	2 EA.	16.7 EA.	40.8	50	5/8"	5⁄8"	13⁄8"	1%"	13.6	1150							
	AND FAN TO CURB PER LOCAL WINDSTORM REQUIREMENTS.																										

- COORDINATE WITH STRUCTURAL ENGINEER. COORDINATE WITH ROOFING CONTRACTOR BEFORE SETTING CURB TO AVOID
- CONFLICTS WITH ROOF WARRANTY. 6. PROVIDE STAINLESS STEEL SCREWS TO SECURE FAN TO CURB.
- 7. PROVIDE WITH SPEED CONTROL MOUNTED WITHIN FAN HOUSING. 8. KEF-1: PROVIDE VENTED ROOF CURB EXTENSION, HINGED KIT
- WITH CABLES AND GREASE TRAP WITH DRAIN CONNECTION. 9. KEF-1 AND KSF-1 SHALL BE PROVIDED WITH 14" HIGH INSULATED

COMBINATION SUPPLY/EXHAUST CURB, SUPPLY AIR INTAKE EXTENSION WITH SUPPORT AND WEATHER HOOD WITH ALUMINUM MESH INTAKE FILTERS. 10. PROVIDE HANGER KIT FOR MOUNTING ABOVE CEILING.

<u>GENERAL NOTES</u>: (APPLICABLE TO ALL FAN'S)

A. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR

MAINTENANCE. B. MAINTAIN 10' MINIMUM CLEARANCE BETWEEN OA AND EXHAUST AIR.

A- INTERLOCK WITH <u>AHU-6</u>. B- INTERLOCK WITH SWITCH ON HOOD AND FAN CONTROL

PANEL ON HOOD. C- INTERLOCK WITH AHU-2.

LED AND WIRED CONTROLS: FAN CONTACTOR, LOW VOLTAGE TRANSFORMER, CONTROL WIRING ENDED DISTANCES FOR MAINTENANCE.

P AT DRAIN OUTLET. DIGITAL THERMOSTAT.

WN TO 0°F. REFERENCE ONLY. PROVIDE REFRIGERANT LINE SIZES AND INSTALLATION PER

SER COIL COATINGS.

NOTES: (APPLICABLE TO ALL ACCU'S)

. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE. 9. PROVIDE DOUBLE SUCTION RISER WHERE RECOMMENDED BY 2. REFRIGERANT PIPE SIZE SHOWN ARE FOR REFERENCE PURPOSES ONLY. CONFIRM EXACT SIZES WITH MANUFACTURER AND ADJUST AS NECESSARY.

COMPLETE REFRIGERANT PIPING INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

3. PROVIDE SIGHT GLASS AND FILTER DRYER IN LIQUID ADJACENT TO CONDENSING UNIT IF NOT PROVIDED WITHIN UNIT.

4. PROVIDE LOW AMBIENT CONTROL. 5. PROVIDE SHORT CYCLE PROTECTION.

6. PROVIDE HIGH AND LOW PRESSURE SWITCHES WITH MANUAL RESET. 7. PROVIDE CRANKCASE HEATER.

8. PROVIDE ACCUMULATOR WHEN RECOMMENDED BY MANUFACTURER.

MANUFACTURER.

★ COOLING CAPACITIES AT 95°F AMBIENT, 76°F

1. REFRIGERANT: ASTM B280, TYPE ACR HARD

DRAWN COPPER TUBING WITH ASME B16.22

DRAWN COPPER TUBING WITH ASME B16.22

2. CONDENSATE DRAIN: ASTM B88, TYPE L HARD

DB/63°F UB INDOOR CONDITIONS

WROUGHT COPPER FITTINGS.

WROUGHT COPPER FITTINGS.

PIPING MATERIALS:

10. PROVIDE FACTORY APPLIED E-COATING OR FIELD APPLIED ENERGY GUARD COATING ON CONDENSER COILS. PROVIDE FIELD APPLIED ENERGY GUARD

COATING ON UNIT CASING. 11. REFRIGERANT PIPE SIZE SHOWN FOR REFERENCE ONLY. VERIFY

REFRIGERANT PIPE SIZE REQUIREMENTS WITH MANUFACTURER.

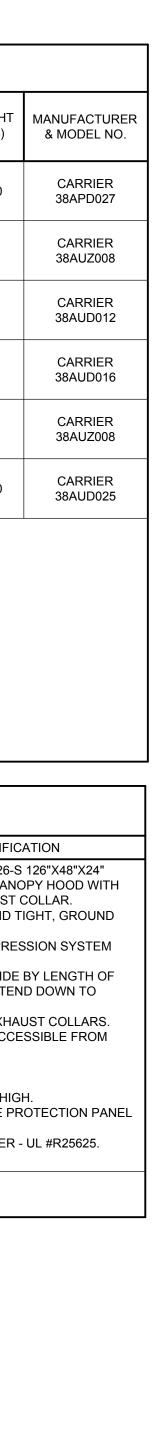
12. WHEN FINAL LENGTH OF REFRIGERANT PIPE IS DETERMINED ON SITE COORDINATE WITH MANUFACTURER AND PROVIDE DOUBLE SUCTION RISER

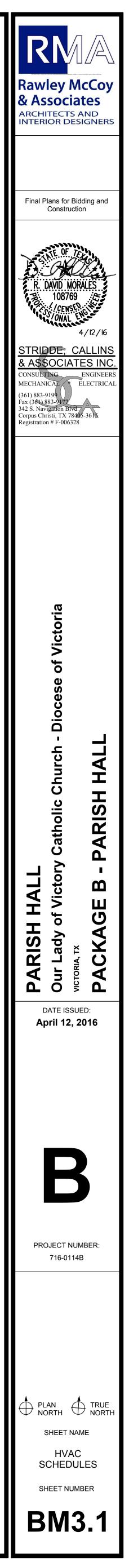
WHERE REQUIRED WITH RECOMMENDED PIPE SIZES. 13. ACCU-2 AND ACCU-5 HAVE A 2-STAGE COMPRESSOR.

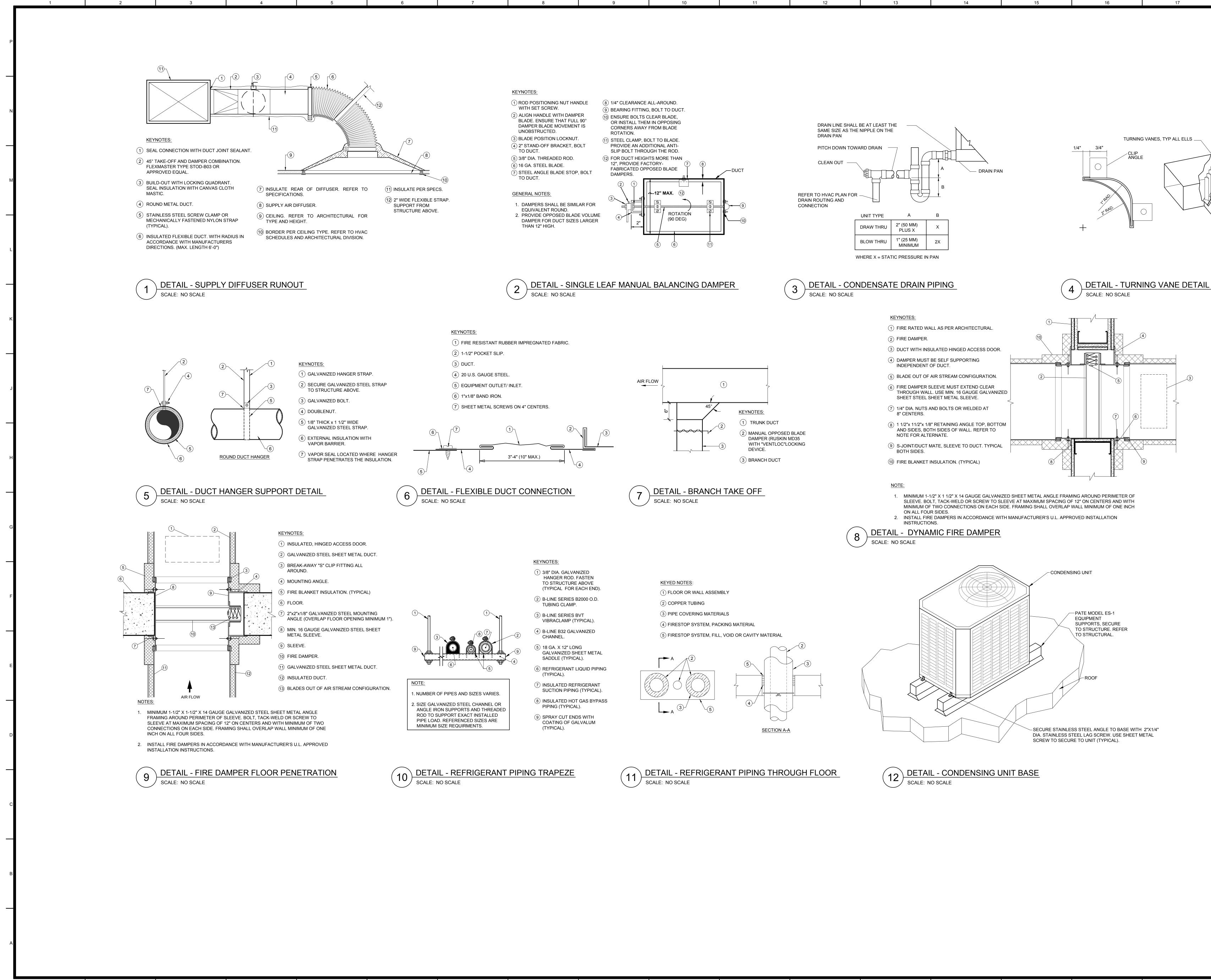
HOOD SCHEDULE

DESIGNATION		DESCRIPTION AND REFERENCE SPECIFIC
KH-1	1.	KITCHEN EXHAUST HOOD - ACCUREX XBEW-126-S HIGH 18 GAUGE TYPE 304 STAINLESS STEEL CAN HANGER BRACKETS AT CORNERS AND EXHAUST EXTERIOR JOINTS AND SEAMS SHALL BE LIQUID T SMOOTH AND POLISHED.
	2.	PROVIDE AMEREX RP MODEL FSSK FIRE SUPPRE (WET CHEMICAL).
	3.	PROVIDE 304 STAINLESS STEEL PLENUM, 6" WIDE HOOD. MOUNT FLUSH WITH TOP OF HOOD. EXTEN WITHIN 32" OF FINISHED FLOOR.
	4.	PROVIDE FACTORY MOUNTED SUPPLY AND EXHA
	5.	PROVIDE DAMPER AT EXHAUST AIR INTAKE, ACCI FACE OF HOOD.
	6.	PROVIDE FAN CONTROL CENTER.
	7.	PROVIDE HOOD ENCLOSURE PANEL, 17" HIGH.
	8.	PROVIDE BACK SPLASH, WIDTH OF HOOD, 32" HIG
	9.	MOUNT FAN CONTROL PANEL, TANK, AND FIRE PF WITHIN CABINET ON RIGHT END OF HOOD.
	10.	UL-710 LISTED WITHOUT EXHAUST FIRE DAMPER
	11.	GREASE FILTER AND LIGHTS.
NOTE		

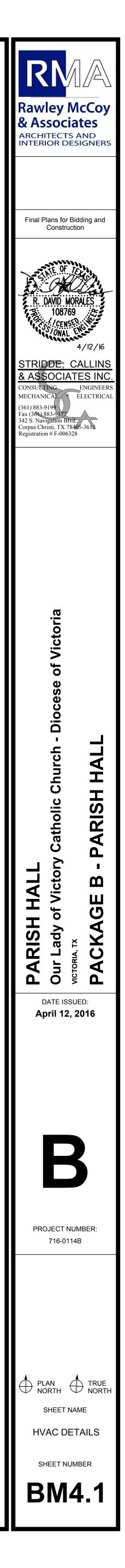
NOTE: . MOUNT BOTTOM OF HOOD 6'-6" ABOVE FINISHED FLOOR.

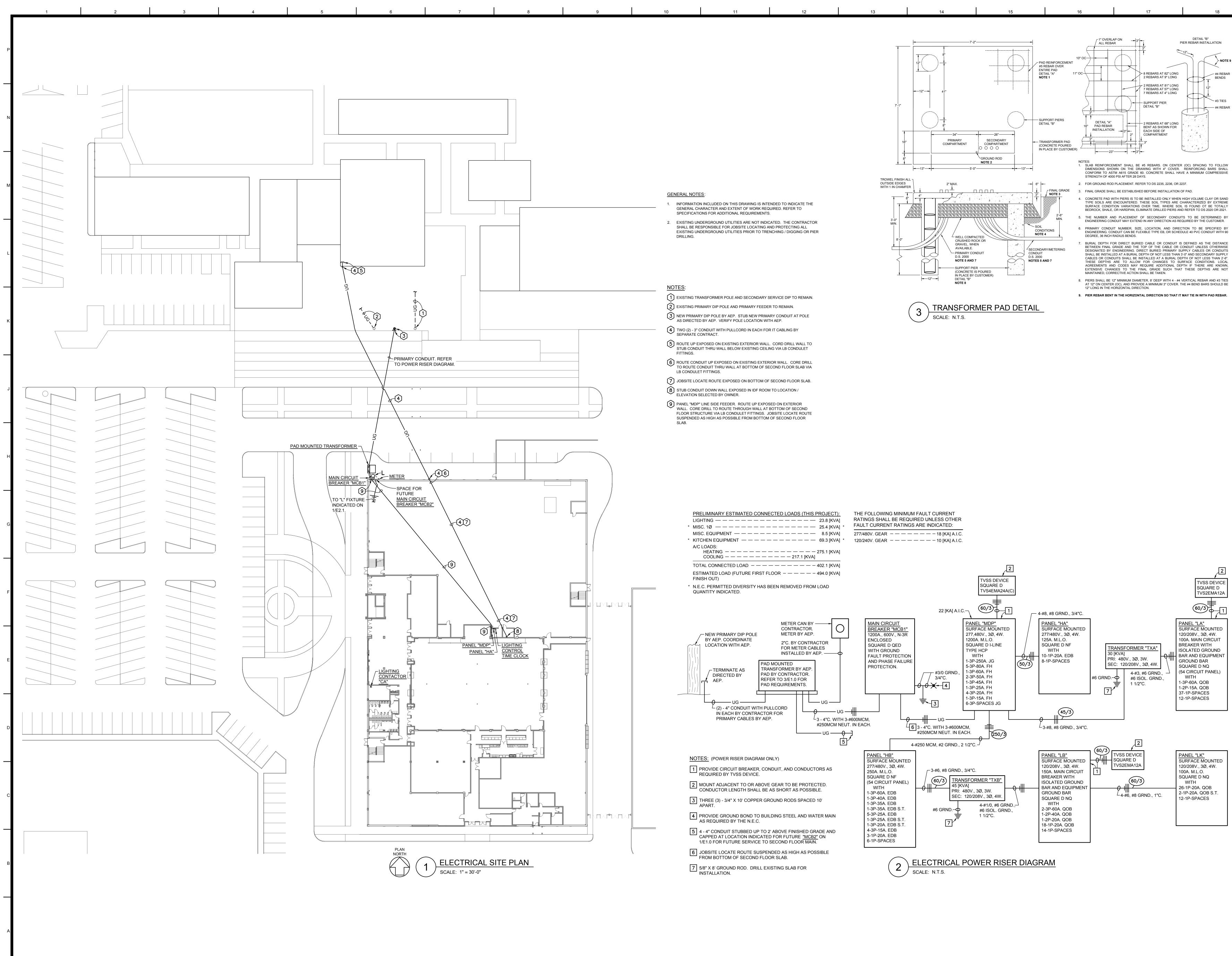




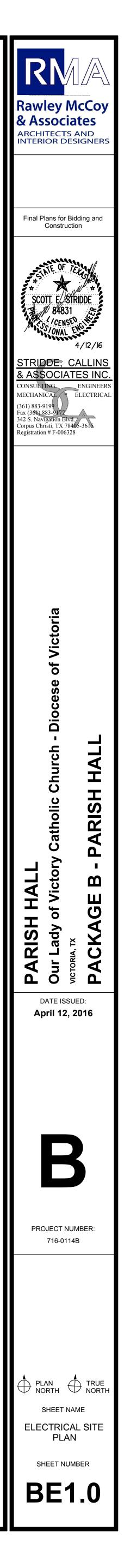


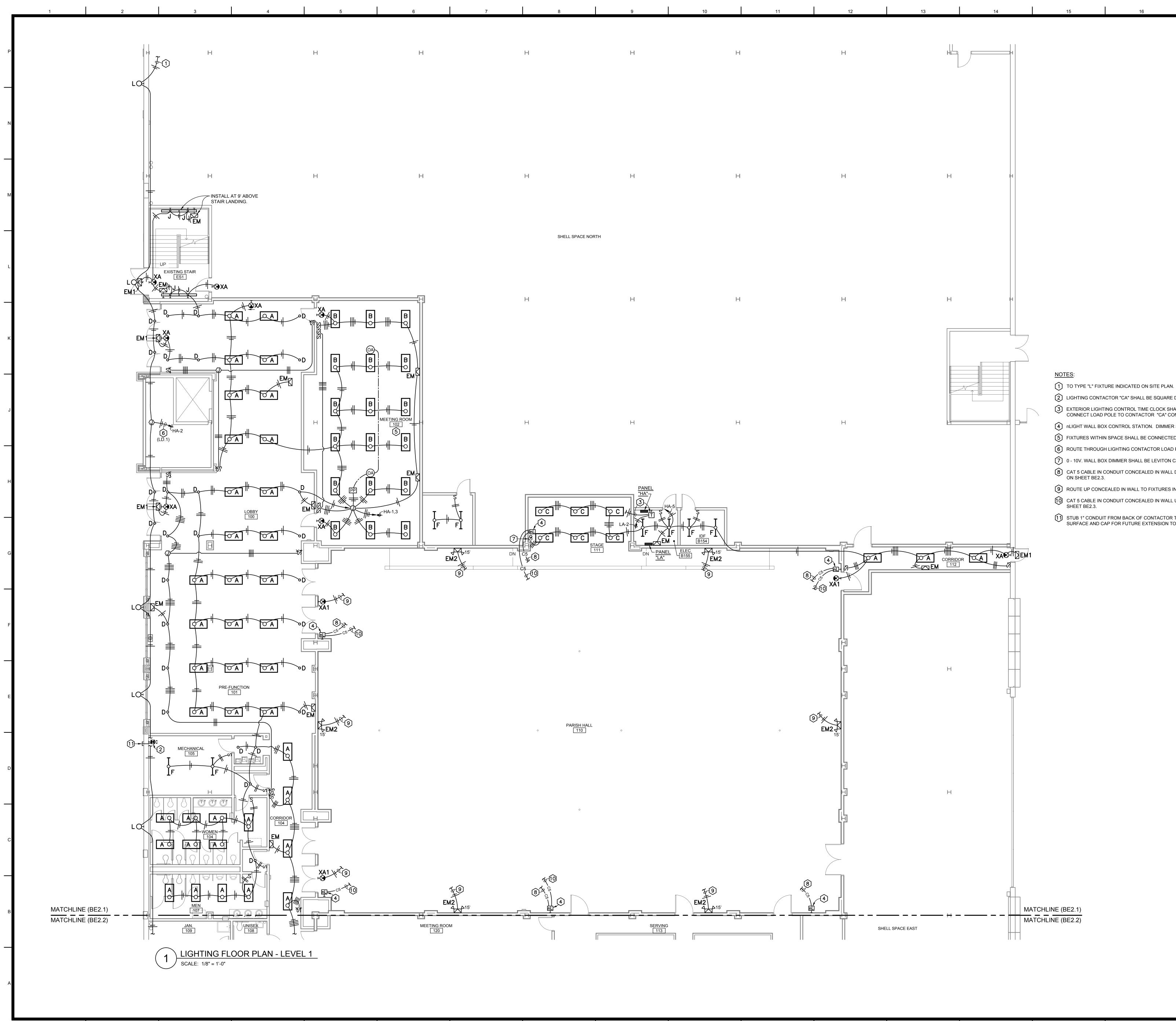










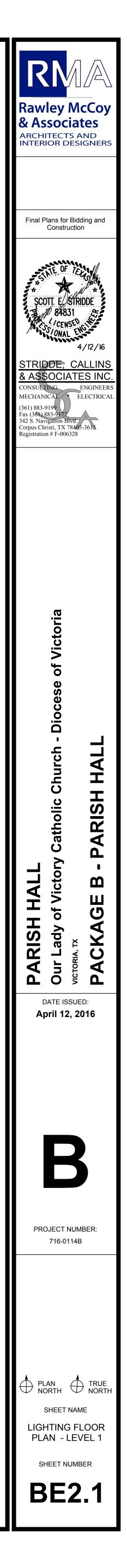


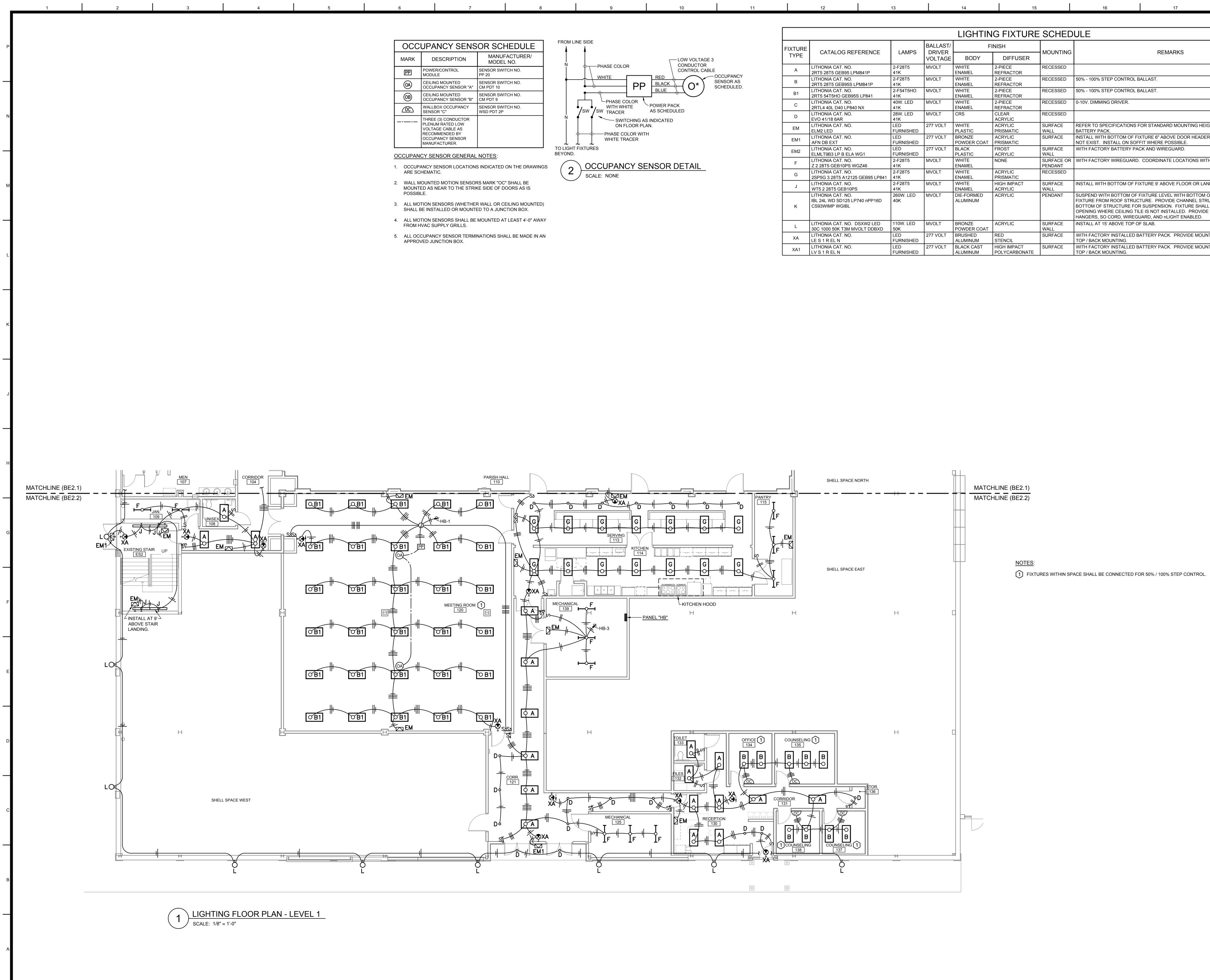
3

- STUB 1" CONDUIT FROM BACK OF CONTACTOR TO 1/2" BEYOND EXTERIOR WALL SURFACE AND CAP FOR FUTURE EXTENSION TO FUTURE SITE LIGHTING.
- CAT 5 CABLE IN CONDUIT CONCEALED IN WALL UP TO FIXTURES INDICATED ON SHEET BE2.3.
- 9 ROUTE UP CONCEALED IN WALL TO FIXTURES INDICATED ON SHEET BE2.3.
- 8 CAT 5 CABLE IN CONDUIT CONCEALED IN WALL DOWN FROM FIXTURES INDICATED ON SHEET BE2.3.
- $\overline{(7)}$ 0 10V. WALL BOX DIMMER SHALL BE LEVITON CAT. NO. IP710-LFZ.

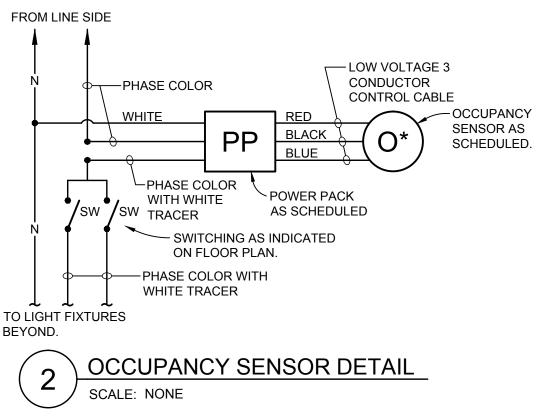
- 15

- 6 ROUTE THROUGH LIGHTING CONTACTOR LOAD POLE (INDICATED).
- 5 FIXTURES WITHIN SPACE SHALL BE CONNECTED FOR 50% / 100% STEP CONTROL.
- (4) nLIGHT WALL BOX CONTROL STATION. DIMMER SHALL BE nPODM DX.
- 3 EXTERIOR LIGHTING CONTROL TIME CLOCK SHALL BE INTERMATIC T171CR. CONNECT LOAD POLE TO CONTACTOR "CA" CONTROL COIL.
- (2) LIGHTING CONTACTOR "CA" SHALL BE SQUARE D CLASS 8903 TYPE LG60V02CP1.





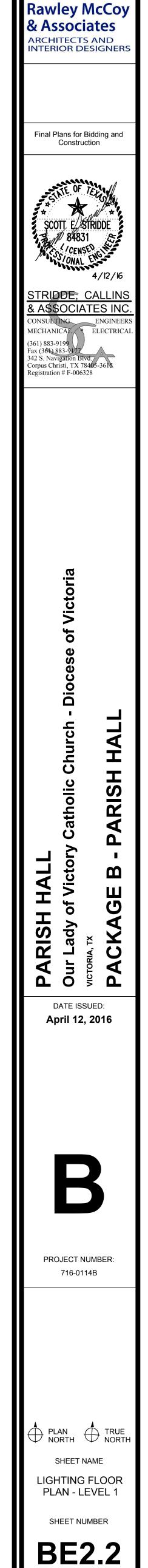
OCCUPANCY SENSOR SCHEDULE							
MARK	DESCRIPTION	MANUFACTURER/ MODEL NO.					
PP	POWER/CONTROL MODULE	SENSOR SWITCH NO. PP 20					
(A)	CEILING MOUNTED OCCUPANCY SENSOR "A"	SENSOR SWITCH NO. CM PDT 10					
OB	CEILING MOUNTED OCCUPANCY SENSOR "B"	SENSOR SWITCH NO. CM PDT 9					
00	WALLBOX OCCUPANCY SENSOR "C"	SENSOR SWITCH NO. WSD PDT 2P					
	THREE (3) CONDUCTOR PLENUM RATED LOW VOLTAGE CABLE AS RECOMMENDED BY OCCUPANCY SENSOR MANUFACTURER.						

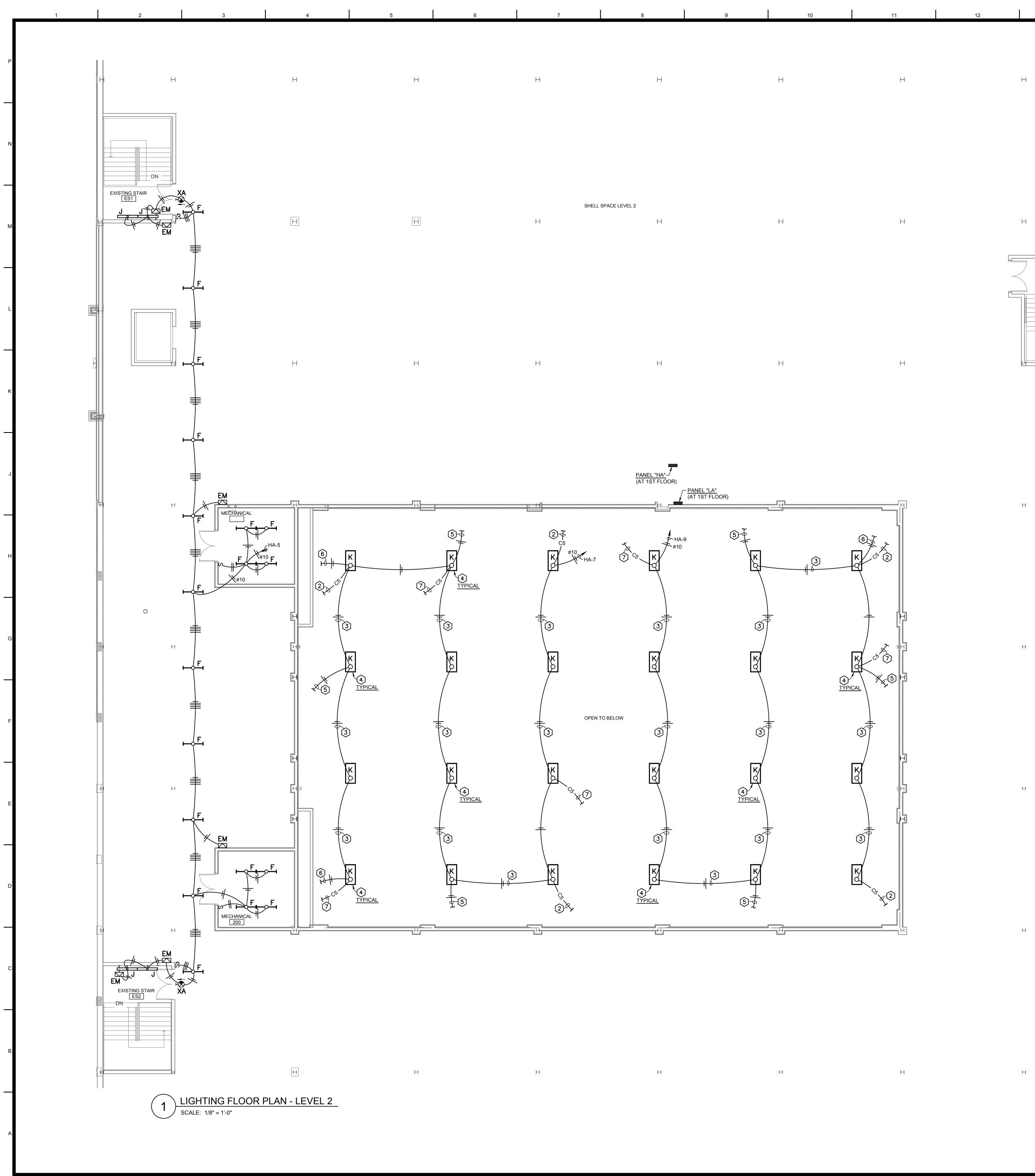


12	13	14	15	16	17	

				• • • • • • •		ULE
		BALLAST/	FI	NISH		REMARKS
CATALOG REI ERENCE		VOLTAGE	BODY	DIFFUSER	MOONTING	REMARKS
LITHONIA CAT. NO. 2RT5 28T5 GEB95 LPM841P	2-F28T5 41K	MVOLT	WHITE ENAMEL	2-PIECE REFRACTOR	RECESSED	
LITHONIA CAT. NO. 2RT5 28T5 GEB95S LPM841P	2-F28T5 41K	MVOLT	WHITE ENAMEL	2-PIECE REFRACTOR	RECESSED	50% - 100% STEP CONTROL BALLAST.
LITHONIA CAT. NO. 2RT5 54T5HO GEB95S LP841	2-F54T5HO 41K	MVOLT	WHITE ENAMEL	2-PIECE REFRACTOR	RECESSED	50% - 100% STEP CONTROL BALLAST.
LITHONIA CAT. NO. 2RTL4 40L D40 LP840 NX	40W. LED 41K	MVOLT	WHITE ENAMEL	2-PIECE REFRACTOR	RECESSED	0-10V. DIMMING DRIVER.
LITHONIA CAT. NO. EVO 41/18 6AR	28W. LED 41K	MVOLT	CRS	CLEAR ACRYLIC	RECESSED	
LITHONIA CAT. NO. ELM2 LED	LED FURNISHED	277 VOLT	WHITE PLASTIC	ACRYLIC PRISMATIC	SURFACE WALL	REFER TO SPECIFICATIONS FOR STANDARD MOUNTING HEIGHTS. WITH EMERGENCY BATTERY PACK.
LITHONIA CAT. NO. AFN DB EXT	LED FURNISHED	277 VOLT	BRONZE POWDER COAT	ACRYLIC PRISMATIC	SURFACE	INSTALL WITH BOTTOM OF FIXTURE 6" ABOVE DOOR HEADER WHERE SOFFIT DOES NOT EXIST. INSTALL ON SOFFIT WHERE POSSIBLE.
LITHONIA CAT. NO. ELMLT9B3 LP B ELA WG1	LED FURNISHED	277 VOLT	BLACK PLASTIC	FROST ACRYLIC	SURFACE WALL	WITH FACTORY BATTERY PACK AND WIREGUARD.
LITHONIA CAT. NO. Z 2 28T5 GEB10PS WGZ46	2-F28T5 41K	MVOLT	WHITE ENAMEL	NONE	SURFACE OR PENDANT	WITH FACTORY WIREGUARD. COORDINATE LOCATIONS WITH DUCT AND PIPING.
LITHONIA CAT. NO. 2SP5G 3 28T5 A12125 GEB95 LP841	2-F28T5 41K	MVOLT	WHITE ENAMEL	ACRYLIC PRISMATIC	RECESSED	
LITHONIA CAT. NO. WT5 2 28T5 GEB10PS	2-F28T5 41K	MVOLT	WHITE ENAMEL	HIGH IMPACT ACRYLIC	SURFACE WALL	INSTALL WITH BOTTOM OF FIXTURE 9' ABOVE FLOOR OR LANDING.
LITHONIA CAT. NO. BL 24L WD SD125 LP740 nPP16D CS93WIMP WGIBL	260W. LED 40K	MVOLT	DIE-FORMED ALUMINUM	ACRYLIC	PENDANT	SUSPEND WITH BOTTOM OF FIXTURE LEVEL WITH BOTTOM OF CEILING. SUSPEND FIXTURE FROM ROOF STRUCTURE. PROVIDE CHANNEL STRUT ATTACHED TO BOTTOM OF STRUCTURE FOR SUSPENSION. FIXTURE SHALL BE SUSPENDED IN OPENING WHERE CEILING TILE IS NOT INSTALLED. PROVIDE WITH ACC VEE HANGERS, SO CORD, WIREGUARD, AND nLIGHT ENABLED.
LITHONIA CAT. NO. DSXW2 LED 30C 1000 50K T3M MVOLT DDBXD	110W. LED 50K	MVOLT	BRONZE POWDER COAT	ACRYLIC	SURFACE WALL	INSTALL AT 15' ABOVE TOP OF SLAB.
LITHONIA CAT. NO. LE S 1 R EL N	LED FURNISHED	277 VOLT	BRUSHED ALUMINUM	RED STENCIL	SURFACE	WITH FACTORY INSTALLED BATTERY PACK. PROVIDE MOUNTING HARDWARE FOR TOP / BACK MOUNTING.
LITHONIA CAT. NO. LV S 1 R EL N	LED FURNISHED	277 VOLT	BLACK CAST ALUMINUM	HIGH IMPACT POLYCARBONATE	SURFACE	WITH FACTORY INSTALLED BATTERY PACK. PROVIDE MOUNTING HARDWARE FOR TOP / BACK MOUNTING.
	2RT5 28T5 GEB95 LPM841P ITHONIA CAT. NO. 2RT5 28T5 GEB95S LPM841P ITHONIA CAT. NO. 2RT5 54T5HO GEB95S LP841 ITHONIA CAT. NO. 2RTL4 40L D40 LP840 NX ITHONIA CAT. NO. 2WO 41/18 6AR ITHONIA CAT. NO. EWO 41/18 6AR ITHONIA CAT. NO. EWO 41/18 6AR ITHONIA CAT. NO. ELM2 LED ITHONIA CAT. NO. ELM2 LED ITHONIA CAT. NO. ELMLT9B3 LP B ELA WG1 ITHONIA CAT. NO. E2 28T5 GEB10PS WGZ46 ITHONIA CAT. NO. 2SP5G 3 28T5 A12125 GEB95 LP841 ITHONIA CAT. NO. WT5 2 28T5 GEB10PS ITHONIA CAT. NO. BL 24L WD SD125 LP740 nPP16D CS93WIMP WGIBL ITHONIA CAT. NO. DSXW2 LED ITHONIA CAT. NO. DSXW2 LED ITHONIA CAT. NO. LITHONIA CAT. NO. LITHONIA CAT. NO. LITHONIA CAT. NO. S93WIMP WGIBL ITHONIA CAT. NO. LITHONIA CAT. NO. LITHONIA CAT. NO. LITHONIA CAT.	LITHONIA CAT. NO. 2RT5 28T5 GEB95 LPM841P2-F28T5 41KLITHONIA CAT. NO. 2RT5 28T5 GEB95S LPM841P2-F528T5 41KLITHONIA CAT. NO. 2RT5 54T5HO GEB95S LP84141KLITHONIA CAT. NO. 2RT15 54T5HO GEB95S LP84141KLITHONIA CAT. NO. 2RTL4 40L D40 LP840 NX41KLITHONIA CAT. NO. 2RTL4 40L D40 LP840 NX41KLITHONIA CAT. NO. 2RTL4 40L D40 LP840 NX41KLITHONIA CAT. NO. EVO 41/18 6AR28W. LED 41KLITHONIA CAT. NO. ELM2 LEDFURNISHEDLITHONIA CAT. NO. ELM2 LEDFURNISHEDLITHONIA CAT. NO. 2 LEDED FURNISHEDLITHONIA CAT. NO. 2 28T5 GEB10PS WGZ46LED 41KLITHONIA CAT. NO. 2 2-F28T52-F28T5 41KLITHONIA CAT. NO. 2 2-F28T5260W. LED 40KLITHONIA CAT. NO. 2 2-F28T5260W. LED 40KLITHONIA CAT. NO. 2 2-F28T5110W. LED 50KLITHONIA	CATALOG REFERENCELAMPSDRIVER VOLTAGELITHONIA CAT. NO. 2RT5 28T5 GEB95 LPM841P2-F28T5MVOLT2RT5 28T5 GEB95 LPM841P41KMVOLT2RT5 28T5 GEB95S LPM841P41KMVOLT2RT5 28T5 GEB95S LPM841P41KMVOLT2RT5 28T5 GEB95S LPM841P41KMVOLT2RT5 54T5HO GEB95S LP84141KMVOLT2RT4 40L D40 LP840 NX41KMVOLT2RT4 40L D40 LP840 NX41KMVOLT2RT4 40L D40 LP840 NX41KMVOLT2RT4 40L D40 LP840 NX41KMVOLT2RT4 40L D40 LP840 NX41K277 VOLT2RT4 40L D40 LP840 NX41K277 VOLT2NO 41/18 6ARLED277 VOLTLITHONIA CAT. NO.LED277 VOLTLITHONIA CAT. NO.LED277 VOLT2.F28T5 GEB10PS WGZ4641KMVOLTLITHONIA CAT. 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NO. 2 28T5 GEB10PS WGZ462-F28T5 41KMVOLTWHITE ENAMELITHONIA CAT. NO. 2 28T5 GEB10PS2-F28T5 41KMVOLTWHITE ENAMELITHONIA CAT. NO. 2593WIMP WGIBL260W. LED 40KMVOLTDIE-FORMED ALUMINUMITHONIA CAT. NO. 2593WIMP WGIBL260W. LED 50KMVOLTBRONZE POWDER COATITHONIA CAT. NO. 25 2 8T5 GEB10PS110W. LED 50K277 VOLTBRONZE POWDER COATITHONIA CAT. NO. 25 2 8T5 GEB10PS110W. LED 50K277 VOLTBRONZE POWDER COATITHONIA CAT. NO. 25 2 8T5 GEB10P	CATALOG REFERENCELAMPSDRIVER VOLTAGEBODYDIFFUSERJITHONIA CAT. NO. 2RT5 2875 GEB95 LPM841P2-F2875 411KMVOLTWHITE ENAMEL2-PIECE REFRACTORJITHONIA CAT. NO. 2RT5 2875 GEB95S LPM841P2-F2875 411KMVOLTWHITE ENAMEL2-PIECE REFRACTORZRT5 2875 GEB95S LPM841P411KMVOLTWHITE ENAMEL2-PIECE REFRACTORZRT5 5475HO GEB95S LP841411KMVOLTWHITE ENAMEL2-PIECE REFRACTORZRT5 5475HO GEB95S LP841411KMVOLTWHITE ENAMEL2-PIECE REFRACTORZRT4 40L D40 LP840 NX411KMVOLTWHITE ENAMEL2-PIECE REFRACTORZRT4 40L D40 LP840 NX411KMVOLTCRSCLEAR ACRYLICZNO 41/18 6AR411KMVOLTCRSCLEAR PLASTICACRYLICZHT 40L DA1 CAT. NO.LED FURNISHED277 VOLTWHITE PLASTICACRYLIC PRISMATICJITHONIA CAT. NO.LED 2-F2875277 VOLTBRONZE PLASTICACRYLIC ACRYLICJITHONIA CAT. NO.2-F2875 411KMVOLTWHITE ENAMELACRYLIC PRISMATICJITHONIA CAT. NO.2-F2875 411KMVOLTWHITE ENAMELACRYLIC PRISMATICJITHONIA CAT. NO.2-F2875 411KMVOLTWHITE ENAMELACRYLICJITHONIA CAT. NO.2-F2875 411KMVOLTWHITE ENAMELACRYLICJITHONIA CAT. NO.2-F2875 411KMVOLTWHITE ENAMELACRYLICJITHONIA CAT. NO.2-F	CATALOG REFERENCELAMPSDRIVER VOLTAGEMOUNTINGIITHONIA CAT. NO. RT5 28T5 GEB95 LPM841P2-F28T5MVOLTWHITE ENAMEL2-PIECE REFRACTORRECESSEDIITHONIA CAT. NO. RT5 28T5 GEB95 LPM841P2-F58T5MVOLTWHITE ENAMEL2-PIECE REFRACTORRECESSEDIITHONIA CAT. NO. RT5 28T5 GEB95 LPM841P2-F58T5H0MVOLTWHITE ENAMEL2-PIECE REFRACTORRECESSEDRT5 28T5 GEB95 LPM841P41KWVOLTWHITE ENAMEL2-PIECE REFRACTORRECESSEDRTHONIA CAT. NO. RT14 401 D4 LP840 NX41KWVOLTWHITE ENAMEL2-PIECE REFRACTORRECESSEDRT14 401 D40 LP840 NX41KMVOLTCRS ENAMELCLEAR REFRACTORRECESSEDITHONIA CAT. NO. EVO 41/18 GAR28W. 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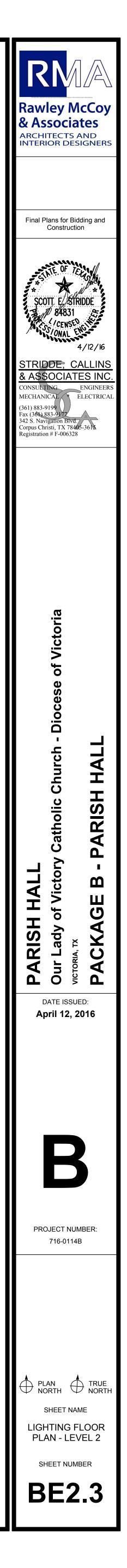
- 1 EXPOSED CAT 5 CABLE.
- 2 CAT 5 CABLE DOWN TO NLIGHT WALL BOX CONTROL STATION INDICATED ON SHEET BE2.1. CABLE CONCEALED IN WALL SHALL BE INSTALLED IN CONDUIT.

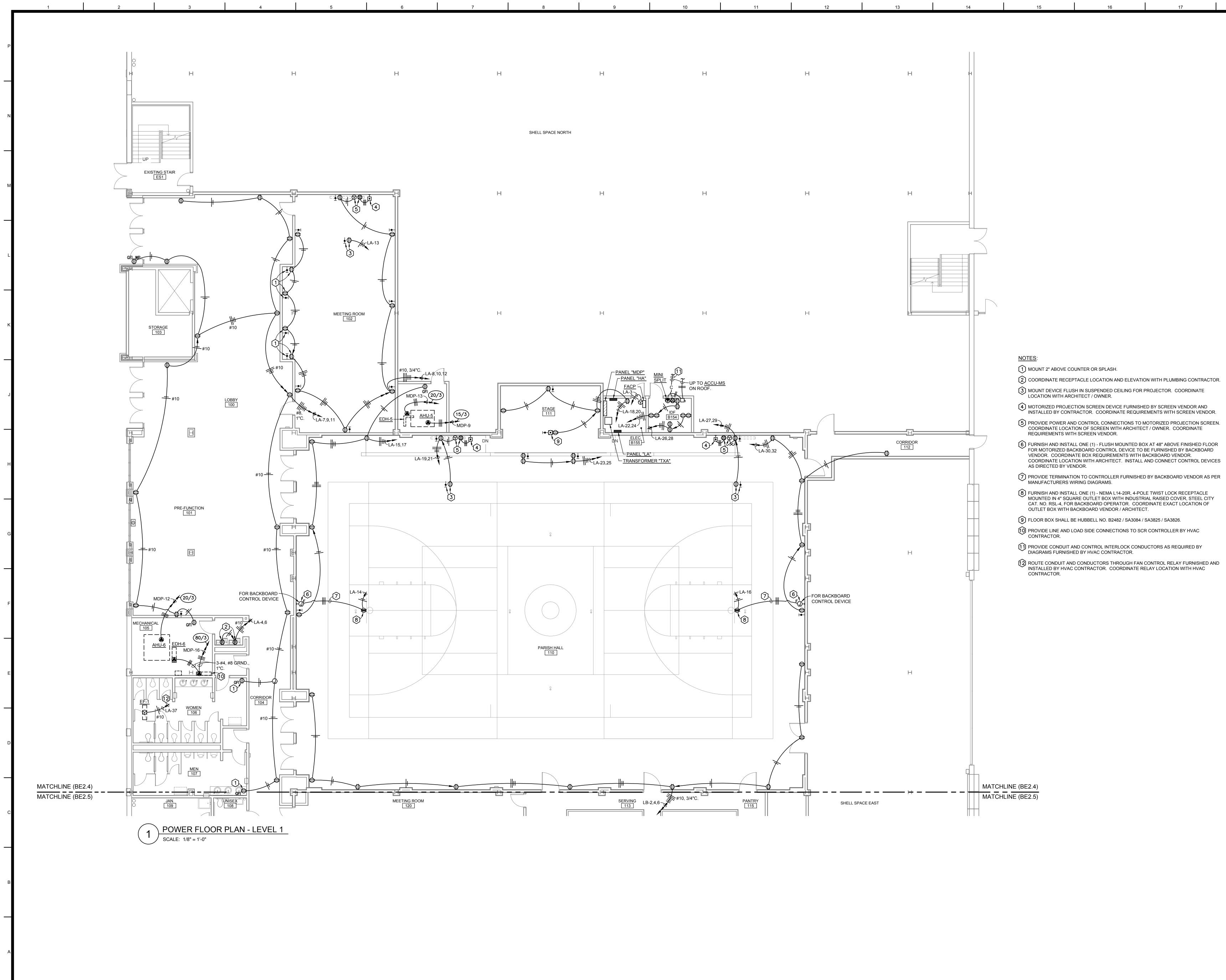
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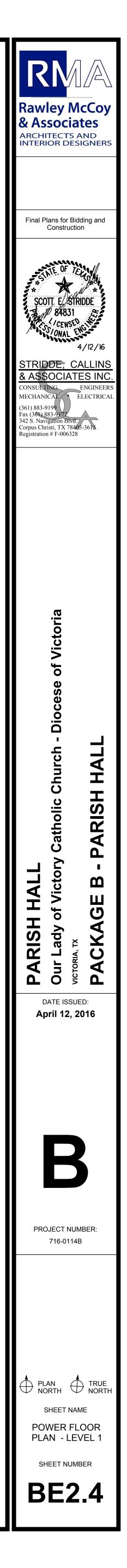
- 3 POWER CONDUCTORS IN RACEWAY AND CAT 5 CABLE ADJACENT TO RACEWAY. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR REQUIREMENTS.
- PROVIDE DIMMING CONTROL nPP16D KO IN / ON FIXTURE INDICATED. TERMINATE CONDUCTORS AS REQUIRED. REFER TO MANUFACTURERS CUT SHEETS FOR REQUIREMENTS. REFER TO "REMARKS" CELL IN FIXTURE SCHEDULE FOR FIXTURE SUSPENSION REQUIREMENTS.
- 5 ROUTE CONDUCTOR DOWN TO EMERGENCY LIGHTING FIXTURE TYPE "EM2". REFER TO SHEET BE2.1.
- (6) ROUTE CONDUCTOR DOWN TO EMERGENCY LIGHTING FIXTURE TYPE "XA1". REFER TO SHEET BE2.1. CAT 5 CABLE UP FROM nLIGHT WALL BOX CONDUIT STATION INDICATED ON SHEET BE2.1. CABLE CONCEALED IN WALL SHALL BE INSTALLED IN CONDUIT.

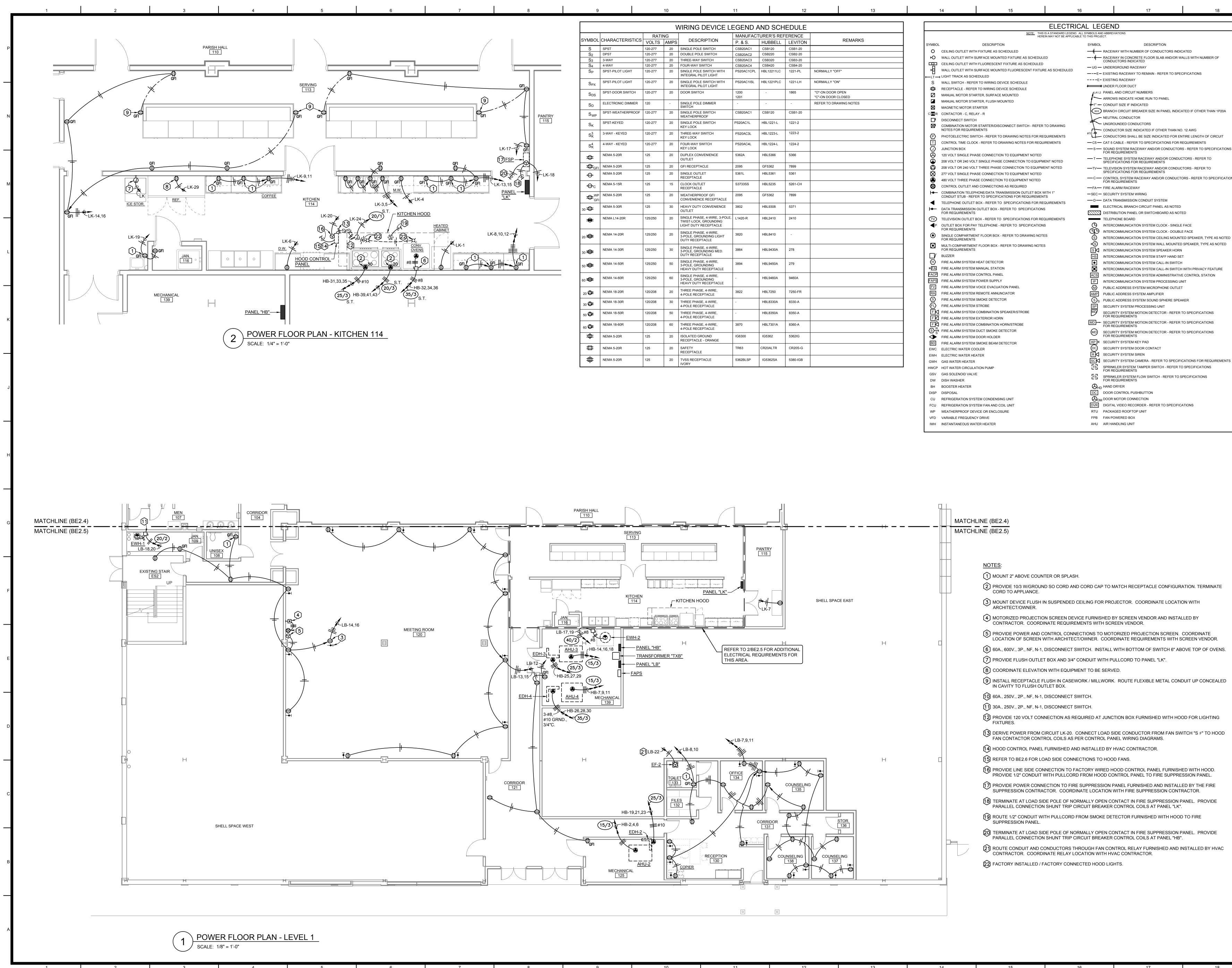
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- PROVIDE CONDUIT AND CONTROL INTERLOCK CONDUCTORS AS REQUIRED BY DIAGRAMS FURNISHED BY HVAC CONTRACTOR. 12 ROUTE CONDUIT AND CONDUCTORS THROUGH FAN CONTROL RELAY FURNISHED AND INSTALLED BY HVAC CONTRACTOR. COORDINATE RELAY LOCATION WITH HVAC CONTRACTOR.
- REQUIREMENTS WITH SCREEN VENDOR. 6 FURNISH AND INSTALL ONE (1) - FLUSH MOUNTED BOX AT 48" ABOVE FINISHED FLOOR FOR MOTORIZED BACKBOARD CONTROL DEVICE TO BE FURNISHED BY BACKBOARD VENDOR. COORDINATE BOX REQUIREMENTS WITH BACKBOARD VENDOR.
- 5 PROVIDE POWER AND CONTROL CONNECTIONS TO MOTORIZED PROJECTION SCREEN. COORDINATE LOCATION OF SCREEN WITH ARCHITECT / OWNER. COORDINATE
- 4 MOTORIZED PROJECTION SCREEN DEVICE FURNISHED BY SCREEN VENDOR AND INSTALLED BY CONTRACTOR. COORDINATE REQUIREMENTS WITH SCREEN VENDOR.
- 3 MOUNT DEVICE FLUSH IN SUSPENDED CEILING FOR PROJECTOR. COORDINATE LOCATION WITH ARCHITECT / OWNER.
- (1) MOUNT 2" ABOVE COUNTER OR SPLASH. (2) COORDINATE RECEPTACLE LOCATION AND ELEVATION WITH PLUMBING CONTRACTOR.





	EDULE	
ΞF	ERENCE	
	LEVITON	REMARKS
	CSB1-20	
	CSB2-20	
	CSB3-20	
	CSB4-20	
	1221-PL	NORMALLY "OFF"
	1221-LH	NORMALLY "ON"
	1865	"O"-ON DOOR OPEN "C"-ON DOOR CLOSED
	-	REFER TO DRAWING NOTES
	CSB1-20	
	1221-2	
	1223-2	
	1224-2	
	5366	
	7899	
	5361	
	5261-CH	
	7899	
	5371	
	2410	
	-	
	278	
	279	
	9460A	
	7250-FR	
	8330-A	
	8350-A	
	8360-A	
	5362IG	
	CR20S-G	
	5380-IGB	

	ELECTRIC		
	NOTE: THIS IS A STANDARD LEGEND. / HEREIN MAY NOT BE APPLICABL		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
0	CEILING OUTLET WITH FIXTURE AS SCHEDULED	- -	- RACEWAY WITH NUMBER OF CONDUCTORS INDICATED
ю	WALL OUTLET WITH SURFACE MOUNTED FIXTURE AS SCHEDULED	—- + —	 RACEWAY IN CONCRETE FLOOR SLAB AND/OR WALLS WITH CONDUCTORS INDICATED
	CEILING OUTLET WITH FLUORESCENT FIXTURE AS SCHEDULED	<u> </u>	- UNDERGROUND RACEWAY
+d	WALL OUTLET WITH SURFACE MOUNTED FLUORESCENT FIXTURE AS SCHEDULED		 EXISTING RACEWAY TO REMAIN - REFER TO SPECIFICATION
њг <u>т</u>	LIGHT TRACK AS SCHEDULED		 EXISTING RACEWAY EXISTING RACEWAY
S	WALL SWITCH - REFER TO WIRING DEVICE SCHEDULE		≱ UNDER FLOOR DUCT
⊈	RECEPTACLE - REFER TO WIRING DEVICE SCHEDULE		2 PANEL AND CIRCUIT NUMBERS
	MANUAL MOTOR STARTER, SURFACE MOUNTED		- ARROWS INDICATE HOME RUN TO PANEL
	MANUAL MOTOR STARTER, FLUSH MOUNTED	↓ _{1"} →	- CONDUIT SIZE IF INDICATED
	MAGNETIC MOTOR STARTER	30/2	BRANCH CIRCUIT BREAKER SIZE IN PANEL INDICATED IF OT
C	CONTACTOR - C, RELAY - R		- NEUTRAL CONDUCTOR
		T.	- UNGROUNDED CONDUCTORS
⊠"	COMBINATION MOTOR STARTER/DISCONNECT SWITCH - REFER TO DRAWING NOTES FOR REQUIREMENTS	A	- CONDUCTOR SIZE INDICATED IF OTHER THAN NO. 12 AWG
$\langle P \rangle$	PHOTOELECTRIC SWITCH - REFER TO DRAWING NOTES FOR REQUIREMENTS	#10	- CONDUCTORS SHALL BE SIZE INDICATED FOR ENTIRE LENG
T	CONTROL TIME CLOCK - REFER TO DRAWING NOTES FOR REQUIREMENTS	—C5—	- CAT 5 CABLE - REFER TO SPECIFICATIONS FOR REQUIREME
\Box	JUNCTION BOX	<u>—s</u> —	- SOUND SYSTEM RACEWAY AND/OR CONDUCTORS - REFER
Ā	120 VOLT SINGLE PHASE CONNECTION TO EQUIPMENT NOTED		FOR REQUIREMENTS
Ă	208 VOLT OR 240 VOLT SINGLE PHASE CONNECTION TO EQUIPMENT NOTED	—T—	 TELEPHONE SYSTEM RACEWAY AND/OR CONDUCTORS - RE SPECIFICATIONS FOR REQUIREMENTS
\bigcirc	208 VOLT OR 240 VOLT THREE PHASE CONNECTION TO EQUIPMENT NOTED	—TV—	- TELEVISION SYSTEM RACEWAY AND/OR CONDUCTORS - RE
\otimes	277 VOLT SINGLE PHASE CONNECTION TO EQUIPMENT NOTED		SPECIFICATIONS FOR REQUIREMENTS
	480 VOLT THREE PHASE CONNECTION TO EQUIPMENT NOTED	—c—	 CONTROL SYSTEM RACEWAY AND/OR CONDUCTORS - REFE FOR REQUIREMENTS
	CONTROL OUTLET AND CONNECTIONS AS REQUIRED	—FA—	- FIRE ALARM RACEWAY
	COMBINATION TELEPHONE/DATA TRANSMISSION OUTLET BOX WITH 1"	-SEC-	- SECURITY SYSTEM WIRING
	CONDUIT STUB - REFER TO SPECIFICATIONS FOR REQUIREMENTS TELEPHONE OUTLET BOX - REFER TO SPECIFICATIONS FOR REQUIREMENTS	—D—	- DATA TRANSMISSION CONDUIT SYSTEM
	DATA TRANSMISSION OUTLET BOX - REFER TO SPECIFICATIONS FOR REQUIREMENTS		ELECTRICAL BRANCH CIRCUIT PANEL AS NOTED
1.	FOR REQUIREMENTS		DISTRIBUTION PANEL OR SWITCHBOARD AS NOTED
TV	TELEVISION OUTLET BOX - REFER TO SPECIFICATIONS FOR REQUIREMENTS		TELEPHONE BOARD
■P	OUTLET BOX FOR PAY TELEPHONE - REFER TO SPECIFICATIONS	Θ	INTERCOMMUNICATION SYSTEM CLOCK - SINGLE FACE
	FOR REQUIREMENTS SINGLE COMPARTMENT FLOOR BOX - REFER TO DRAWING NOTES	QĐ	INTERCOMMUNICATION SYSTEM CLOCK - DOUBLE FACE
	FOR REQUIREMENTS	S	INTERCOMMUNICATION SYSTEM CEILING MOUNTED SPEAK
$\overline{\mathbf{O}}$	MULTI-COMPARTMENT FLOOR BOX - REFER TO DRAWING NOTES	<u>н</u> §	INTERCOMMUNICATION SYSTEM WALL MOUNTED SPEAKER
	FOR REQUIREMENTS	_s ⊲	INTERCOMMUNICATION SYSTEM SPEAKER HORN
		HS	INTERCOMMUNICATION SYSTEM STAFF HAND SET
(H) HEA	FIRE ALARM SYSTEM HEAT DETECTOR FIRE ALARM SYSTEM MANUAL STATION		
FACP	FIRE ALARM SYSTEM MANUAL STATION FIRE ALARM SYSTEM CONTROL PANEL		
FAPS	FIRE ALARM SYSTEM CONTROL PANEL	ACS	
FV	FIRE ALARM SYSTEM FOWER SOFFET		
RA	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR		PUBLIC ADDRESS SYSTEM MICROPHONE OUTLET
S	FIRE ALARM SYSTEM SMOKE DETECTOR		PUBLIC ADDRESS SYSTEM AMPLIFIER PUBLIC ADDRESS SYSTEM SOUND SPHERE SPEAKER
R R	FIRE ALARM SYSTEM STROBE	ISP SP	SECURITY SYSTEM PROCESSING UNIT
F⊿	FIRE ALARM SYSTEM COMBINATION SPEAKER/STROBE	MD/	SECURITY SYSTEM MOTION DETECTOR - REFER TO SPECIF
F F	FIRE ALARM SYSTEM EXTERIOR HORN		FOR REQUIREMENTS
F	FIRE ALARM SYSTEM COMBINATION HORN/STROBE	MD	 SECURITY SYSTEM MOTION DETECTOR - REFER TO SPECIF FOR REQUIREMENTS
	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR	MD	SECURITY SYSTEM MOTION DETECTOR - REFER TO SPECIF
	FIRE ALARM SYSTEM DOOR HOLDER		FOR REQUIREMENTS
BD	FIRE ALARM SYSTEM SMOKE BEAM DETECTOR	КЪН	SECURITY SYSTEM KEY PAD
EWC	ELECTRIC WATER COOLER	DC	SECURITY SYSTEM DOOR CONTACT
EWH	ELECTRIC WATER HEATER	\mathbb{R}	SECURITY SYSTEM SIREN
GWH	GAS WATER HEATER	sc	SECURITY SYSTEM CAMERA - REFER TO SPECIFICATIONS F
HWCP	HOT WATER CIRCULATION PUMP	TS	SPRINKLER SYSTEM TAMPER SWITCH - REFER TO SPECIFIC FOR REQUIREMENTS
GSV	GAS SOLENOID VALVE	FS	SPRINKLER SYSTEM FLOW SWITCH - REFER TO SPECIFICAT
DW	DISH WASHER	ц <u>л</u>	FOR REQUIREMENTS
BH	BOOSTER HEATER	Юн	D HAND DRYER
DISP	DISPOSAL	DC	DOOR CONTROL PUSHBUTTON
CU	REFRIGERATION SYSTEM CONDENSING UNIT		M DOOR MOTOR CONNECTION
FCU	REFRIGERATION SYSTEM FAN AND COIL UNIT	DVR	DIGITAL VIDEO RECORDER - REFER TO SPECIFICATIONS
WP	WEATHERPROOF DEVICE OR ENCLOSURE	RTU	PACKAGED ROOFTOP UNIT
VFD	VARIABLE FREQUENCY DRIVE	FPB	FAN POWERED BOX
IWH	INSTANTANEOUS WATER HEATER	AHU	AIR HANDLING UNIT



TH NUMBER OF

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OTHER THAN 1P20A

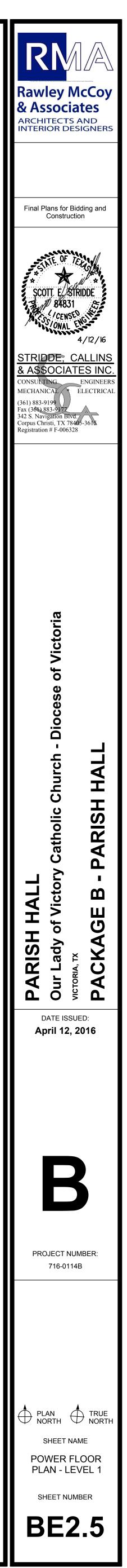
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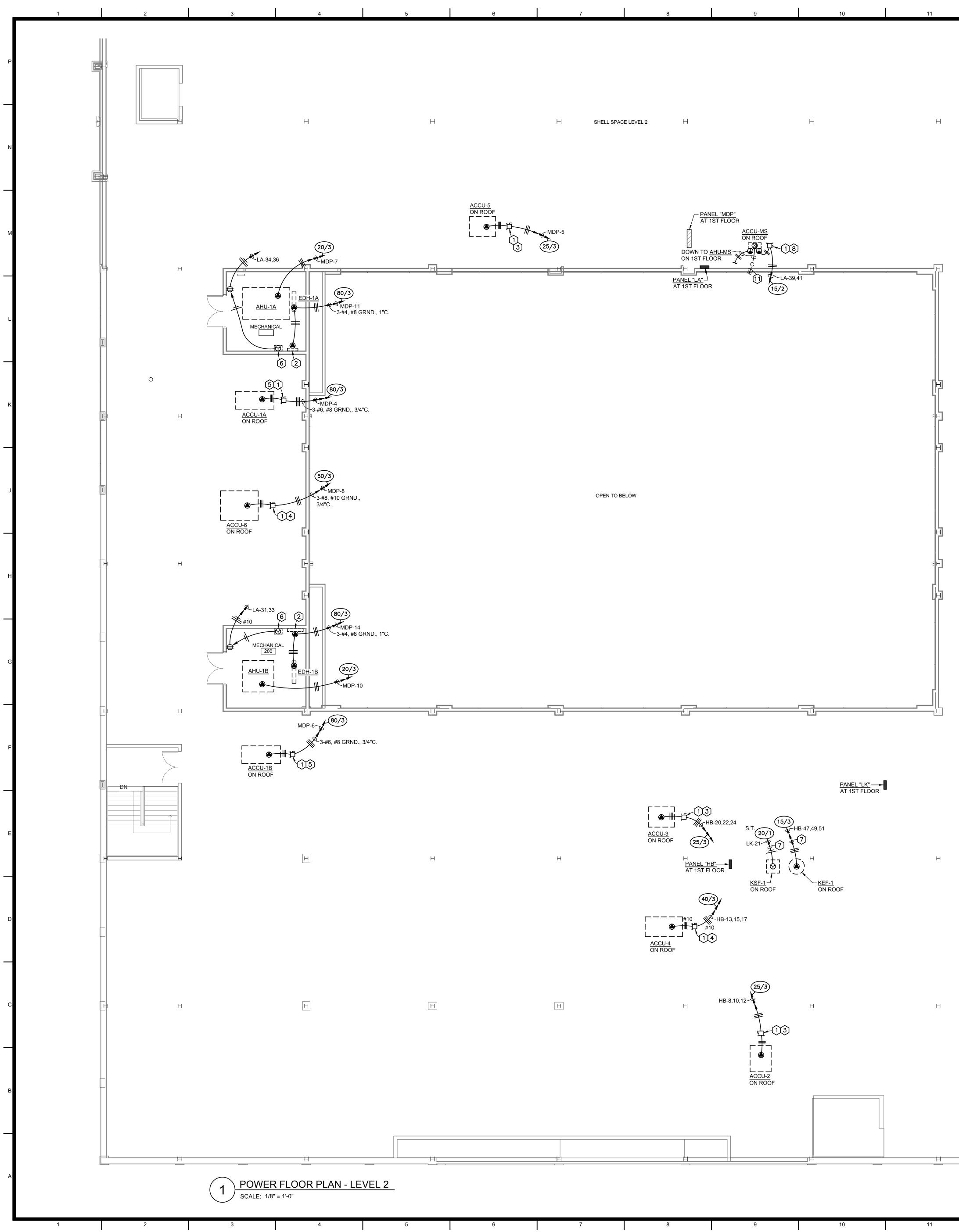
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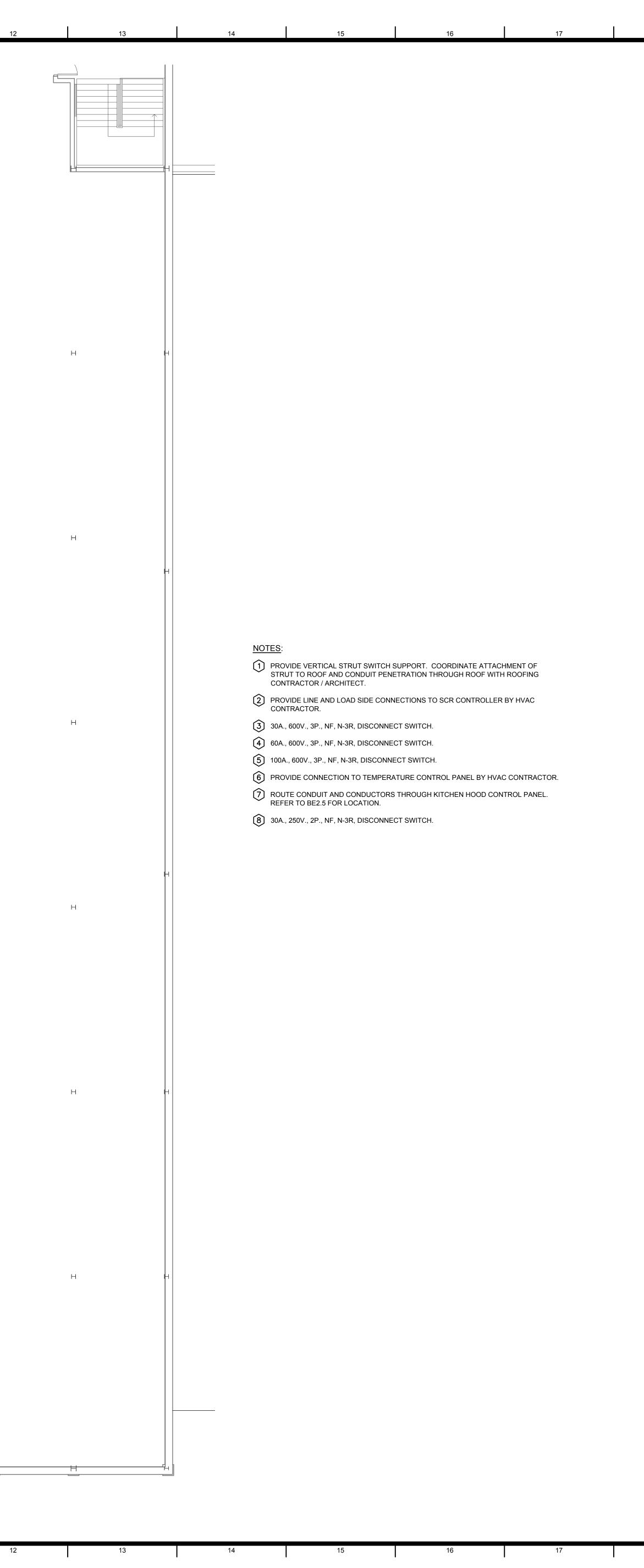
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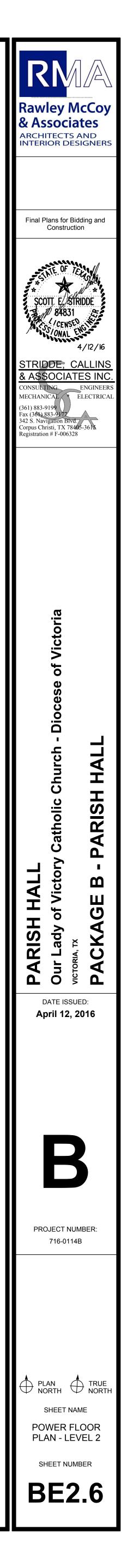
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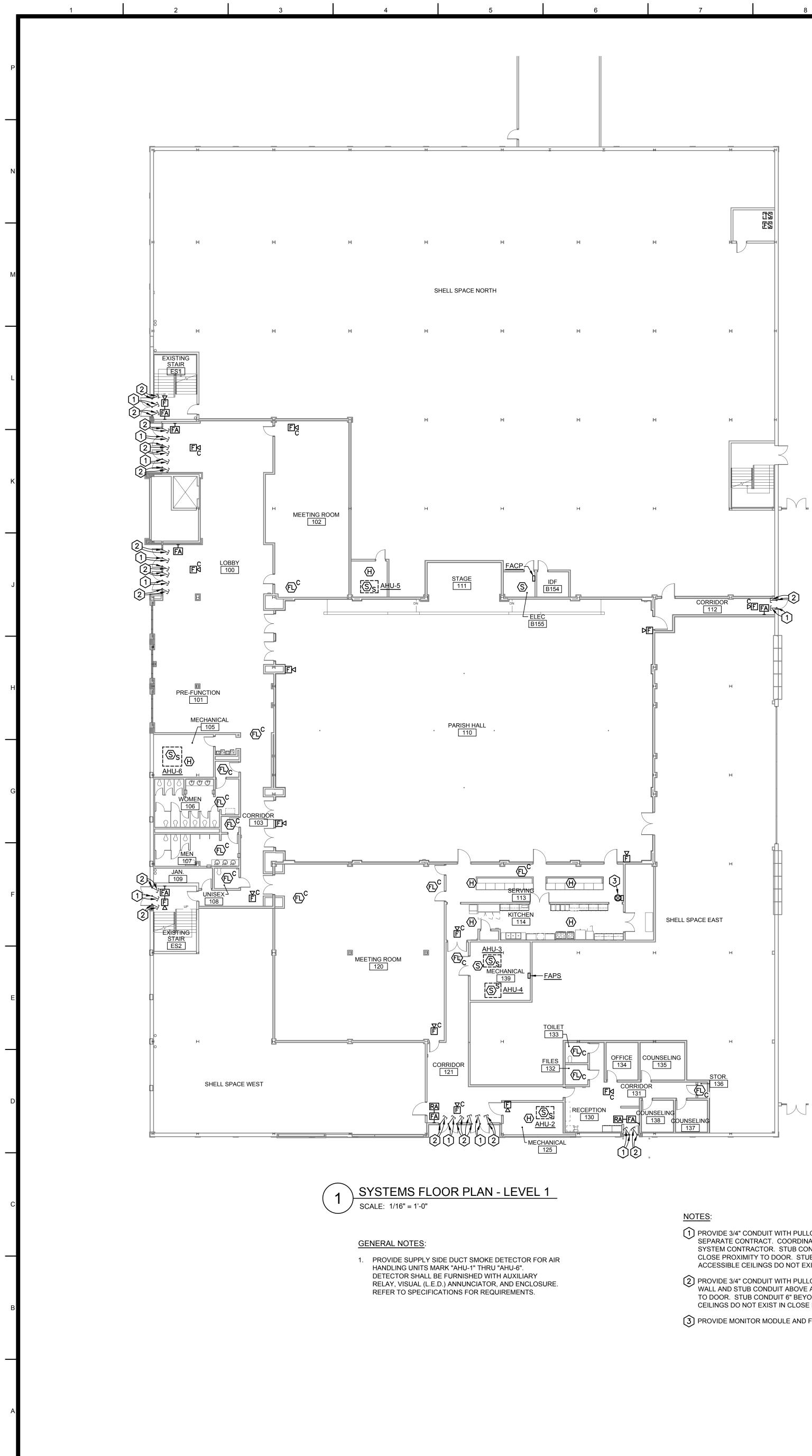
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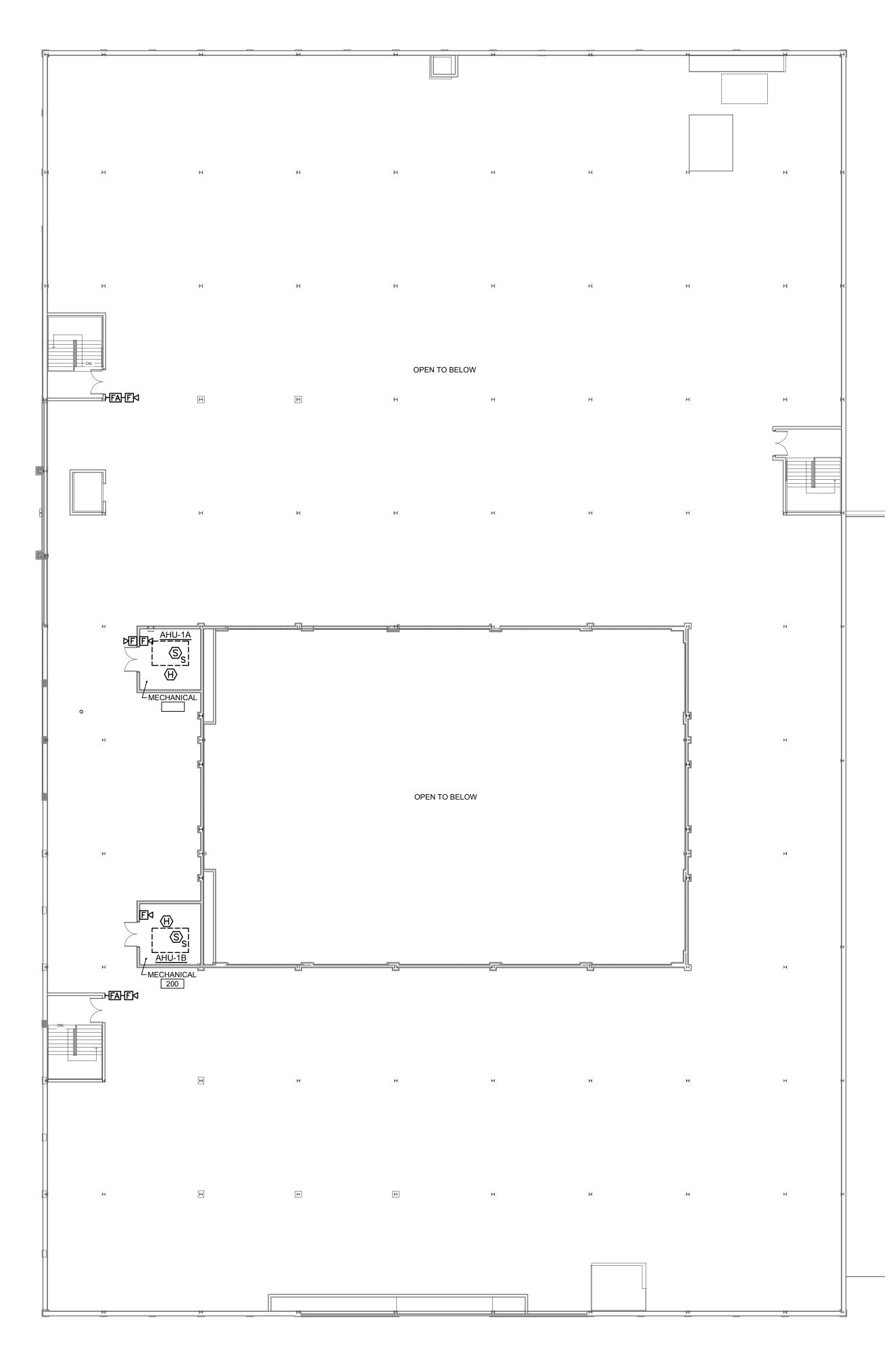








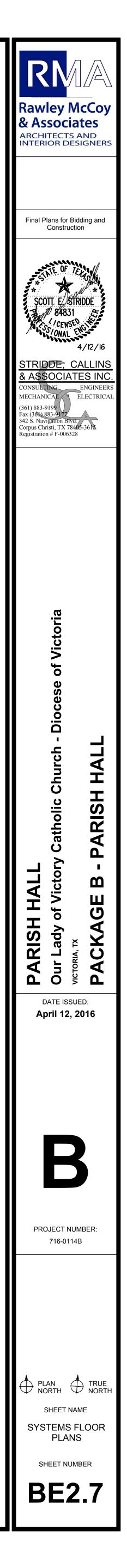
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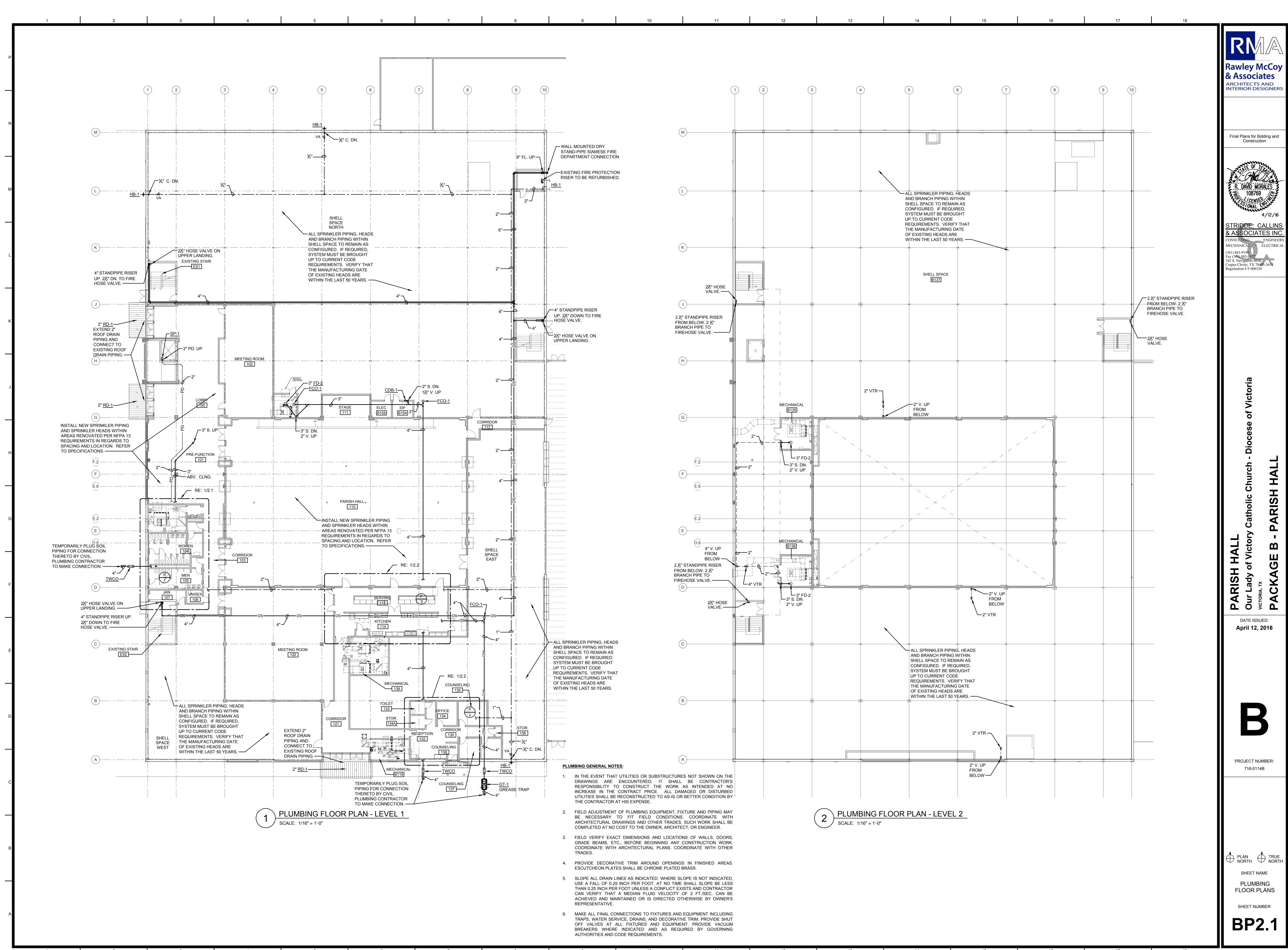


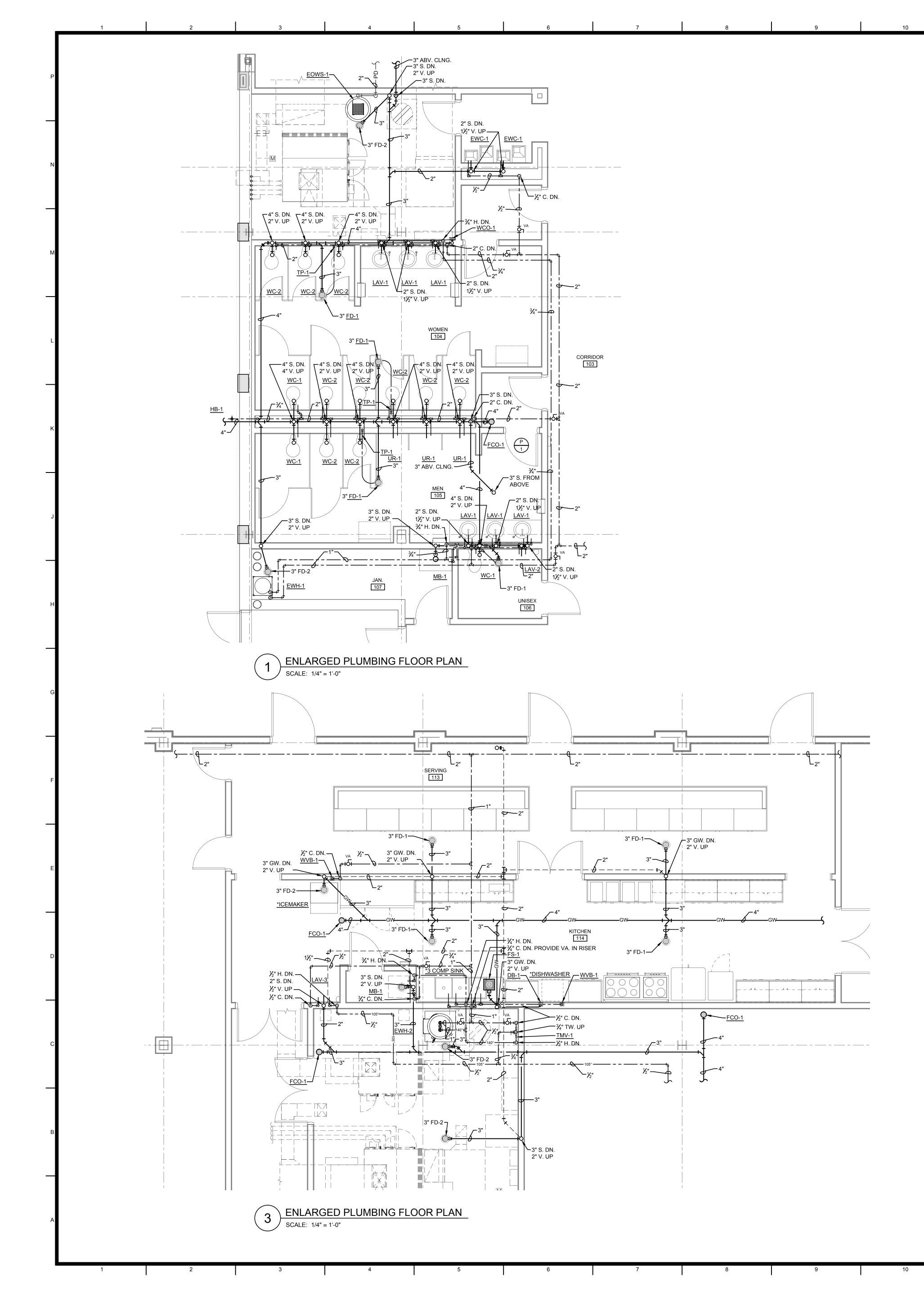
- PROVIDE 3/4" CONDUIT WITH PULLCORD TERMINATED AT DOOR HEADER FOR ACCESS CONTROL CABLING BY SEPARATE CONTRACT. COORDINATE TERMINATION LOCATION AT DOOR FRAME WITH ACCESS CONTROL SYSTEM CONTRACTOR. STUB CONDUIT ABOVE ACCESSIBLE CEILING WHERE SUCH CEILING EXISTS IN CLOSE PROXIMITY TO DOOR. STUB CONDUIT 6" BEYOND WALL AT BOTTOM OF SECOND FLOOR SLAB WHERE ACCESSIBLE CEILINGS DO NOT EXIST IN CLOSE PROXIMITY TO DOOR.
- 2 PROVIDE 3/4" CONDUIT WITH PULLCORD. ROUTE FROM JUNCTION BOX AT MIDDLE HINGE, UP CONCEALED IN WALL AND STUB CONDUIT ABOVE ACCESSIBLE CEILING WHERE SUCH CEILING EXISTS IN CLOSE PROXIMITY TO DOOR. STUB CONDUIT 6" BEYOND WALL AT BOTTOM OF SECOND FLOOR SLAB WHERE ACCESSIBLE CEILINGS DO NOT EXIST IN CLOSE PROXIMITY TO DOOR.
- 3 PROVIDE MONITOR MODULE AND FIRE ALARM CONNECTION TO HOOD FIRE SUPPRESSION SYSTEM.

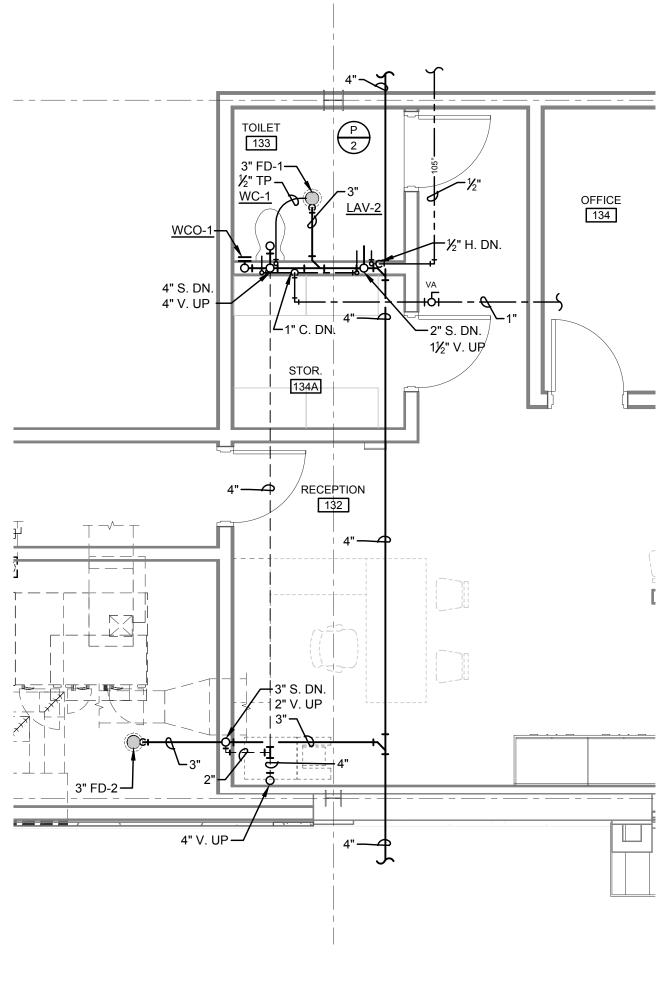
2 SYSTEMS FLOOR PLAN - LEVEL 2 SCALE: 1/16" = 1'-0"

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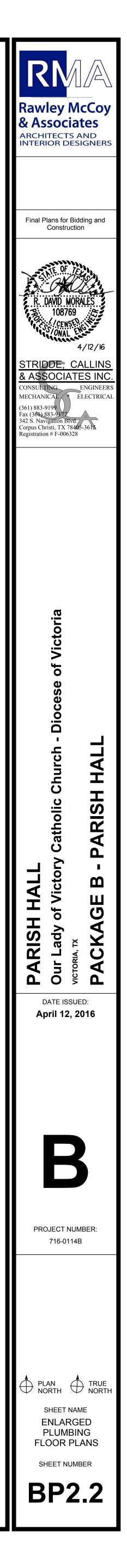








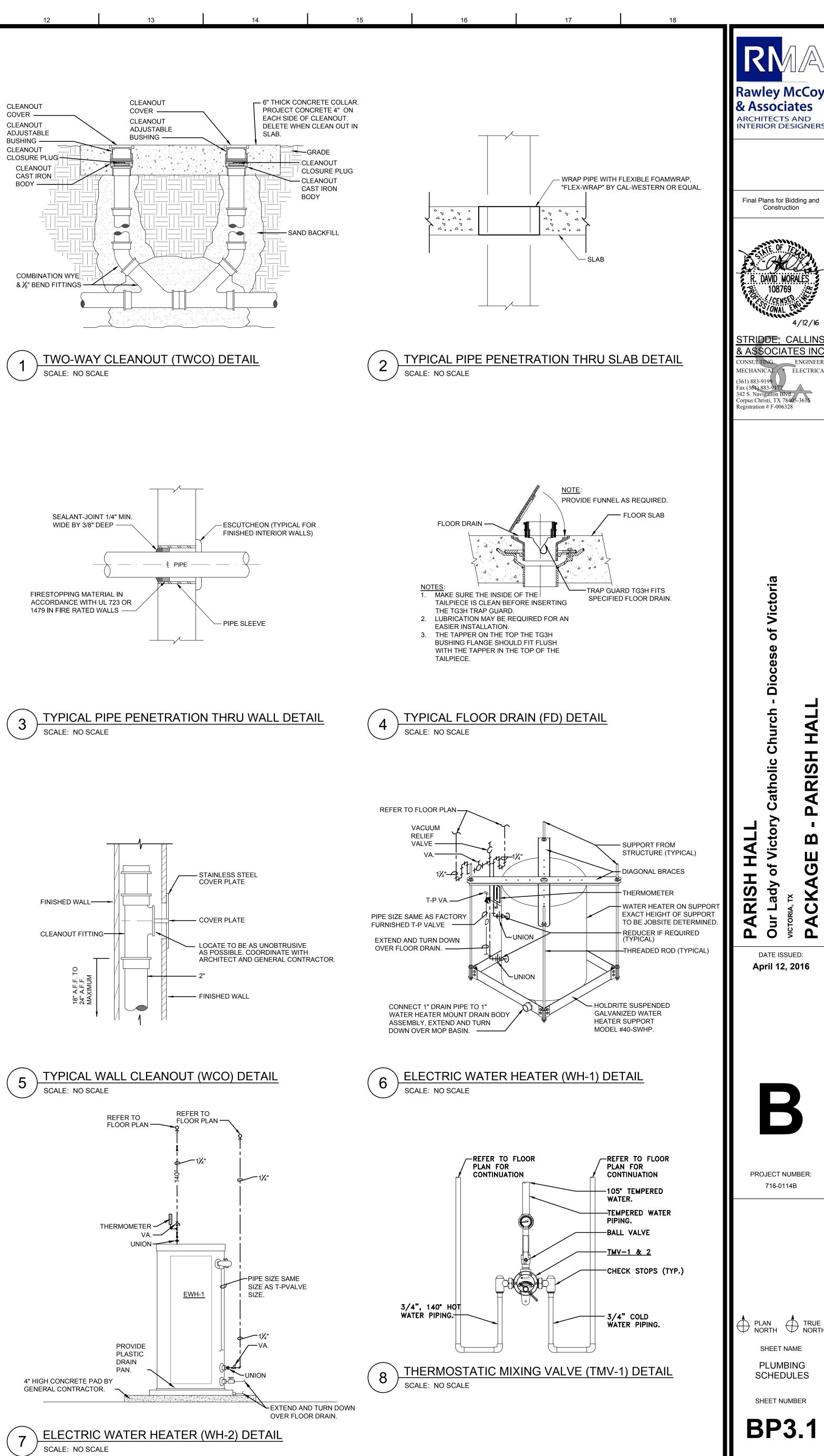




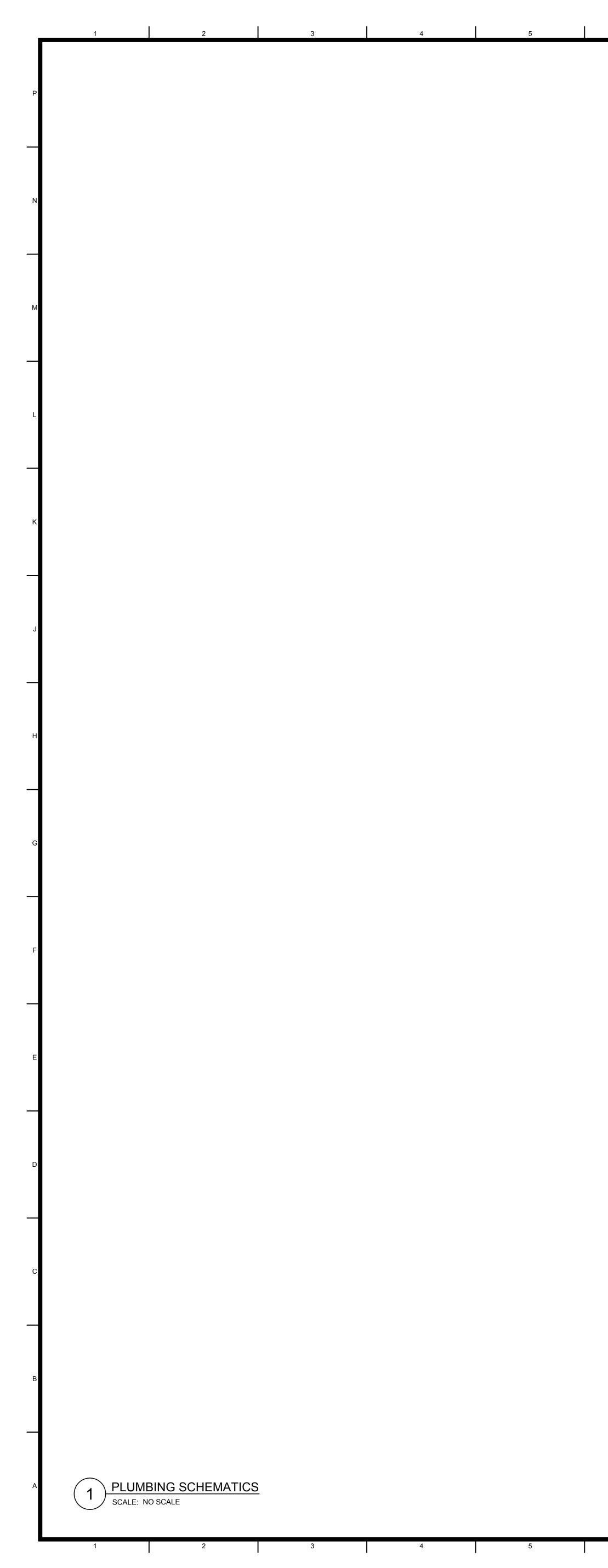
SYMBOLS &	ABBREVIATIONS	6] [PLUN	BING FIXTURE SC	HEDULE		PLUM	IBING FIXTURE SC	HEDULE]
LAV. LAVATORY UR. URINAL S.S. SERVICE SINK W.C. WATER CLOSET SINK OR SK. SINK	T.P. TRAP PRIMER V.R. VACUUM RELIEF T-P VA. TEMPERATURE-F G.D. GRATE DRAIN U.M. UTILITY MARKER	VALVE PRESSURE RELIEF VALVE	WC-1	Fixture	Kohler K-4405-0.	Floor mounted bottom outlet white vitreous china siphon jet water closet with elongated bowl, 1-1/2" top spud,	WVB-1	Fixture	Sioux Chief 696-0-M-F.	Water valve box, 1/4" compression outlet, metal support bracket, plastic, white, and chrome quarter turn adapter	
SING ON SIL SING SH. SHOWER M.B. MOP BASIN E.W.C. ELECTRIC WATER COOLER D.F. DRINKING FOUNTAIN R.C. REMOTE CHILLER	C.P. CIRCULATING PU	PIPING		Flush Valve	Sloan Regal 111.	 2-1/4" passageway, 17-1/8" rim height 1.6 gallon flush, exposed, diaphragm type, chrome plated flushometer, Angle 	CDB-1	Fixture	Sioux Chief 696-3F-LC.	ball valve, 1/2" sweat connection.Drain box, 2" drainage outlet from	CLEAI
DISP. DISPOSAL D.W. DISHWASHER W.M. WASHING MACHINE W.M.B. WASHER MACHINE BOX W.V.B. WATER VALVE BOX	COLD WATER PII HOT WATER SUP HOT WATER RET HOT WATER SUP SW SOFT WATER PIF	PLY PIPING URN PIPING PLY PIPING-140*		Seat	Bemis 1655-SS/C white	Stop, adjustable tailpiece, vacuum breaker flush connection, spud	HB-1	Fixture	Sioux Chief 696-CF Woodford Model	bottom, metal support bracket, plastic, white, and secondary drainage funnel. Boxed hydrant with an integral water	COVE CLEAN ADJUS
W.H. WATER HEATER C. COLD WATER PIPING H. HOT WATER PIPING H.R HOT WATER CIRCULATING PIPING		PING			solid plastic open front.	coupling, wall and spud flanges , non-hold-open handle. Adult ADA/TAS compliant installation. Top of seat			MB24BX-3/4.	supply stop, 3/4" hose threat outlet, composite box, stainless steel door and	BUSHI CLEAN CLOSU
W WASTE PIPING V. VENT PIPING G.W. GREASE WASTE PIPING G.V. GREASE VENT PIPING R.D. ROOF DRAIN	D D DRAIN PIPING G.W. GREASE WASTE G G GAS PIPING GAS PIPING	PIPING	WC-2	Fixture	Kohler K-4406-0.	17"-19". Flush valve handle on wide side. Floor mount bottom outlet white		Backflow Preventer	Nidel Model 34HF.	 fascia, back siphonage backflow preventer, and tamper resistant lock shield. 	CLE CAS BOI
G. GAS PIPING F.L. FIRE LINE PIPING D. DRAIN PIPING A.C. AIR CHAMBER	GATE VALVE CHECK VALVE CHECK VALVE THERMOMETER PRESSURE GAUC UNION TEMPERATURE O	PE	W0-2			vitreous china siphon jet water closet with elongated bowl, 1-1/2" top spud,	HB-2	Fixture	Chicago 293-CP.	Interior hose bibb, 1/2" inlet, 3/4" hose threat outlet, polished C.P. finish, with – chrome plated back siphonage	
V.C.T. VITRIFIED CLAY TILE PIPING V.T.R. VENT THR ROOF F.T.R. FLUE THRU ROOF VA. VALVE CK. VA. CHECK VALVE		VALVED BLOW-DOWN		Flush Valve	Sloan Regal 111.	2-1/4" passageway, 15" rim height. 1.6 gallon flush, exposed, diaphragm type, chrome plated flushometer, Angle Stop,		Backflow Preventer		backflow preventer, slow compression cartridge, loose key handle.	-
G.C. GAS COCK H.D. HUB DRAIN F.D. FLOOR DRAIN C.I. CAST IRON H.B. HOSE BIBB	<u>NOTES:</u> (1) – THIS IS A SYMBOLS	A STANDARDIZED LEGEND. ALL AND ABBREVIATIONS HEREIN MAY APPLICABLE TO THIS PROJECT.		Seat	Bemis 1655-SS/C white solid plastic open front.	adjustable tailpiece, vacuum breaker flush connection, spud coupling, wall and spud flanges , non-hold-open	FD-1	Fixture	Josam Series 30000-91-6A.	Rough bronze body floor drain, satin finish bronze adjustable strainer, I.C., clamping collar, primer connection, and	
A.P.ACCESSPANELTWCOTWOWAYCLEANOUTWCOWALLCLEANOUTFCOFCOFLOORCLEANOUTOCOOUTSIDECLEANOUT	(2) — PIPING S BEFORE PIPING W	YMBOL HAVING THE LETTER E SYMBOL DENOTES EXISTING TITH THE EXCEPTION OF COLD HOT WATER, SOIL, WASTE, AND				handle. Student ADA/TAS compliant installation. Top of seat 15"-17". Flush valve handle on wide side.	FD-2	Fixture	Josam Series 30000-91-6A.	deep seal p-trap. Same as FD-1 except without primer	CO & ½
CO. CLEAN OUT CONTR. CONTRACTOR	VENT PIF	ING	UR-1	Fixture	Kohler K-4904-ET-0.	Wall mount white vitreous china washout urinal with 3/4" top inlet spud, 2" outlet, removable strainer. 0.5 gallon	FD-3	Fixture		connection and installed with Trap Guard insert. Rough bronze body floor drain, brass	-
PLUMBING FIXTUR				Flush Valve	Moen 8315.	per flush or less. Install with supplied wall hangers. Battery powered flush			Josam Series F8 funnel. Trap Guard TG3H.	adjustable strainer, oval bronze funnel assembly, I.C., clamping collar, deep seal p-trap and Trap Guard insert.	
VATER CLOSET 4"		LD WATER HOT WATER 1 1/4"		Carrier	Supplied Wall Hangers.	valve, adjustable sensor, self cleaning filter, low battery indicator, mechanical manual override, 0.5 gallon flush, and	FS-1	Fixture	Wade 9103-TY-9 and 1/2 3/4 grate.	12x12 stainless steel floor sink with square top, round sump, anti-tilt s.s.	
JRINAL 2"	1 1/2"	1"				five year warranty. Install top of rim basin 17" A.F.F. for compliance with Adult ADA/TAS requirements. Flush				half and three quarter grate, and stainless steel mesh sediment bucket with s.s. frame, beehive dome strainer	
AVATORY 2"	▲ 1 1/4", 1 1/2", 2" ▲ 1 1/2", 2"	1/2" 1/2" 1/2" 1/2"	UR-2	Fixture	Kohler K-4904-ET-0.	valve handle on wide side. Wall mount white vitreous china washout urinal with 3/4" top inlet spud,				and compression gasket push-on connection. Furnish and install deep seal trap for floor sink.	
MOP BASIN 3"	2"	3/4" 3/4"		Flush Valve	Moen 8315.	2" outlet, removable strainer. 0.5 gallon per flush or less. Install with supplied wall hangers. Battery powered flush	WCO-1	Fixture	Josam 58890.	Bronze threaded tapped plug and polished stainless steel round access coverplate secured to plug by	
ELECTRIC WATER COOLER 2" REFER TO FLOOR PLANS AND SCHEMATIC PIPING	1 1/2"	1/2"		Carrier	Supplied Wall Hangers.	 valve, adjustable sensor, self cleaning filter, low battery indicator, mechanical manual override, 0.5 gallon flush, and 				countersunk screw. Provide countersunk threaded brass plug, where required, in lieu of raised head	
APPROVED MANUF	ACTURER SCHEE	DULE				five year warranty. Install top of rim basin 24" A.F.F. or as directed by the				plug. Provide necessary tapped tees, tapped crosses or ferrules, and other	
Vater Closets, Urinals, Lavatories	KohlerAmerican Standard	Crane Eljer	LAV-1	Fixture	Kohler Pennington K-22196-1-0.	Architect. 20" X 18" countertop, self rimming, vitreous china lavatory with oval basin,	OCO &	Fixture	Josam 58360-PVC.	fittings required to install coverplate against finished wall.	
1op Basins	Fiat ProductsStern Williams	Crane		Faucet	Moen 8307. Deck Plate #104428.	front overflow with three faucet openings. Battery powered sensor operated electronic hand washing	TWCO		JUSAIII 20200-200.	PVC adjustable floor cleanout, internal bronze plug, Nikaloy adjustable top, and vandalproof screws set in 5 1/2"	
tainless Steel Sinks	ElkayStern Williams	Kohler		Drain	Strainer and 1-1/4" offset tailpiece.	flexible stainless steel supply tubes, in-line filters, temperature control				thick concrete pad shall be finished smooth on top, square, and shall project 8" on each side of cleanout.	
lush Valves	SloanKohler	ToToZurn		Тгар	1-1/4"x1-1/4" 17 ga. cast brass trap and tubular wall bend. With C.O. plug.	volume, 4" matching trim deck plate. and anti-rotating pin. Install top of rim	TMV-1	Fixture	Leonard LV-20-E-LF-CP-BDT.	Thermostatic mixing valve with $\frac{3}{4}$ " NPT inlets and outlets, chrome plated DZR	
oilet Seats	BemisChurch	Olsonite		Supplies & Stops	Chrome plated cast brass supply stops.	 height 34" above finished floor to comply with Adult ADA/TAS requirements. 				brass/polymer construction, operating pressures max. 125 psi and min. 1 gpm. Integral check valves and	
Carriers or Supports	ZurnMiFab	JosamSmith	LAV-2	Fixture Faucet	Kohler K-1999-0. Moen 8307.	21-15/16"x19-3/4", wall mount white vitreous china lavatory, 4" centers, overflow, ADA compliant. Battery				strainers, integral stainless steel parts, adjustable maximum temperature limit	
•	WadeMoen	Speakman		Drain	Deck Plate #104428. McGuire 155WC strainer and 1-1/4" offset tailpiece.	 powered sensor operated electronic hand washing faucet, 0.5 vandal-resistant spray head, flexible 	GT-1	Fixture	Schier Products GB-250.	stop, dial thermometer and chrome plated finish. Plumbing contractor shall provide	-
avatory Faucets	BradleyKohler	• Sloan		Тгар	McGuire 1-1/4"x1-1/4" 17 ga. cast brass trap and	stainless steel supply tubes, in-line filters, temperature control volume, 4"				grease interceptor where indicated on the Drawings. Grease interceptor shall conform to all code requirements of the	
Sink Faucets	ElkayKohler	Speakman Chicago		Supplies & Stops	tubular wall bend and C.O. plug. McGuire ST09LK.	matching trim deck plate. and anti-rotating pin. Install top of rim 34" above finished floor to comply with				City of Victoria, Texas and shall have a lifetime warranty. Provide adjustable	
	 T & S Dearborn 	Moen McGuire		Carrier	Zurn floor mounted concealed arm carrier.	Adult ADA/TAS requirements.				riser systems as required and anchor kit. Top of trap manhole covers shall be flush with finished grade.	
Iiscellaneous Trim Traps, Supplies, Strainers)	Brass Craft Chicago	Royal Brass Kohler	EWC-1	Shield Fixture	Included. Elkay LMABFTL8LC. S.S.	Bi-level, wall mounted wheelchair	EWH-1	Fixture	Rheem/Ruud EGSP20.	Water heater, 2,500 watt heating	
prain and Supplies Insulation Kits	TrueBro Plumberex				Cabinet.	access with apron, mechanically activated, stainless steel cabinet, concealed 1-1/2" C.P. cast brass "P"				element, 20 gallon storage, 208 volt, single phase, 14 gallon per hour recovery based on 100 degrees F. rise	
lose Bibbs	Woodford	Watts Chicago		Carrier	Supplied Hanger Bracket.	trap with cleanout, concealed C.P. supply with wheel handle, hanger bracket, and safety bubbler. Set spout				in water temperature, AGA/ASME rated temperature and pressure relief valve, tank coated with a high temperature	
	Nibco Elkay	Halsey Taylor				opening of wheelchair accessible electric water cooler 36" above finished				porcelain enamel, magnesium anodes, tank working pressure of 150 PSI, polyurethane foam insulation, manual	
Electric Water Cooler	Most DependableHaws	Acorn Oasis		Apron Skirt	Elkay 98313C.	floor to comply with Adult ADA/TAS requirements.				reset, high limit control, and copper low watt density, resistored, screw-in type	
Thermostatic Mixing Valves	ArmstrongPowers	Bradley Cash Acme	MB-1	Fixture Faucet	Fiat MSB-3624. Fiat 830-AA.	36" x 24" mop basin, drain body cast integral, removable C.P. strainer plate, 3" I.C., stainless steel protective cap,				thermostats, five (5) year limited warranty against tank leaks. Provide HoldRite #40-S-22-A 14 gage	
Poof Drains Elear Drains Elear Sinks Elear	LeonardZurn	WattsJ.R. Smith		Hose and Bracket	Fiat 832-AA.	chrome plated faucet with hose spout outlet, bucket hook, top brace to wall, vacuum breaker in spout, integral stop				galvanized water heater stand and drain pan as indicated.	
Roof Drains, Floor Drains, Floor Sinks, Floor Cleanouts, Wall Cleanouts, and Outside Cleanouts	 Josam Wade 	Mifab Spears		Mop Hanger	Fiat 889-CC.	arms, hose and wall bracket with spring loaded rubber grip (hose 36" long with	EWH-2	Fixture	HTP CGE080.	Water heater, 6 KW, 73 gallon storage, 208 volt, three phase, 4 elements, 24 gallon per hour recovery based on 100	
	• Walt	•		Wall Guard	Fiat MSG-3624.	3/4" chrome couplings), wall bracket of stainless steel, stainless steel mop				degrees F. rise in water temperature,	
Backflow Preventers	Watts	Wilkins Hill Country	-	Bumper	Fiat 1239-BB.	hanger, stainless steel back panel, and silaprene sealant.				AGA/ASME rated temperature and pressure relief valve, Blue Cobalt glass	

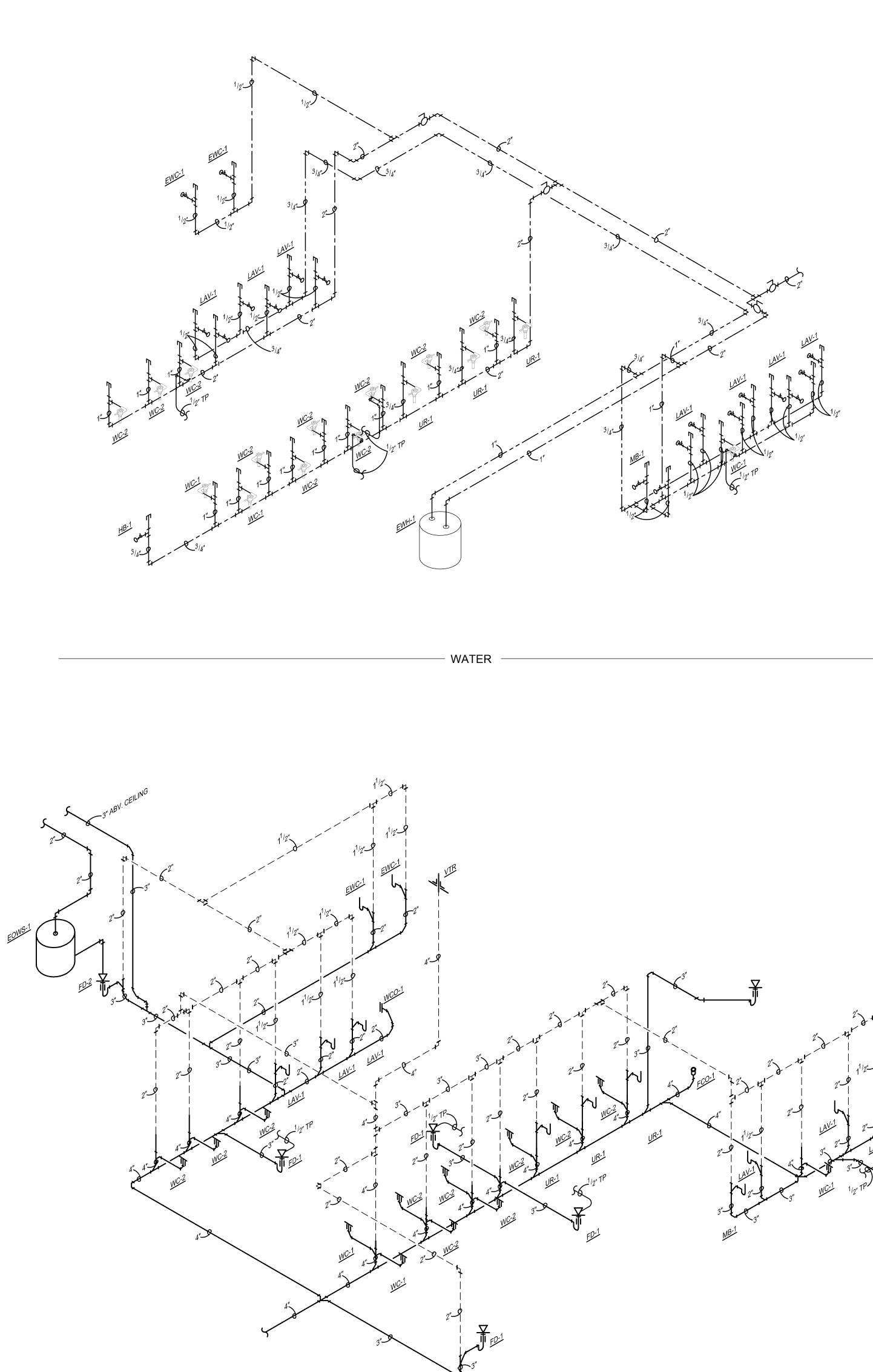
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G FIXTURE SC	HEDULE		PLUM	IBING FIXTURE SC	HEDULE
r K-4405-0.	Floor mounted bottom outlet white vitreous china siphon jet water closet with elongated bowl, 1-1/2" top spud, 2 1/4" passageway, 17 1/8" rim beight	WVB-1	Fixture	Sioux Chief 696-0-M-F.	Water valve box, 1/4" compression outlet, metal support bracket, plastic, white, and chrome quarter turn adapter ball valve, 1/2" sweat connection.
Regal 111.	2-1/4" passageway, 17-1/8" rim height 1.6 gallon flush, exposed, diaphragm type, chrome plated flushometer, Angle Stop, adjustable tailpiece, vacuum	CDB-1	Fixture	Sioux Chief 696-3F-LC. Sioux Chief 696-CF	Drain box, 2" drainage outlet from bottom, metal support bracket, plastic, white, and secondary drainage funnel.
3 1655-SS/C white blastic open front.	breaker flush connection, spud coupling, wall and spud flanges , non-hold-open handle. Adult ADA/TAS compliant installation. Top of seat	HB-1	Fixture	Woodford Model MB24BX-3/4.	Boxed hydrant with an integral water supply stop, 3/4" hose threat outlet, composite box, stainless steel door and
r K-4406-0.	17"-19". Flush valve handle on wide side.		Backflow Preventer	Nidel Model 34HF.	fascia, back siphonage backflow preventer, and tamper resistant lock shield.
	vitreous china siphon jet water closet with elongated bowl, 1-1/2" top spud,	HB-2	Fixture	Chicago 293-CP.	Interior hose bibb, 1/2" inlet, 3/4" hose threat outlet, polished C.P. finish, with chrome plated back siphonage
Regal 111.	2-1/4" passageway, 15" rim height. 1.6 gallon flush, exposed, diaphragm type, chrome plated flushometer, Angle Stop,		Backflow Preventer	Watts 8C.	backflow preventer, slow compression cartridge, loose key handle.
1655-SS/C white blastic open front.	adjustable tailpiece, vacuum breaker flush connection, spud coupling, wall and spud flanges , non-hold-open handle. Student ADA/TAS compliant	FD-1	Fixture	Josam Series 30000-91-6A.	Rough bronze body floor drain, satin finish bronze adjustable strainer, I.C., clamping collar, primer connection, and deep seal p-trap.
r K-4904-ET-0.	installation. Top of seat 15"-17". Flush valve handle on wide side. Wall mount white vitreous china	FD-2	Fixture	Josam Series 30000-91-6A. Trap Guard TG3H.	Same as FD-1 except without primer connection and installed with Trap Guard insert.
	washout urinal with 3/4" top inlet spud, 2" outlet, removable strainer. 0.5 gallon	FD-3	Fixture	Josam Series 30000-91-6A, Josam Series F8 funnel.	
8315.	per flush or less. Install with supplied wall hangers. Battery powered flush valve, adjustable sensor, self cleaning			Trap Guard TG3H.	assembly, I.C., clamping collar, deep seal p-trap and Trap Guard insert.
ied Wall Hangers. r K-4904-ET-0.	filter, low battery indicator, mechanical manual override, 0.5 gallon flush, and five year warranty. Install top of rim basin 17" A.F.F. for compliance with Adult ADA/TAS requirements. Flush valve handle on wide side. Wall mount white vitreous china	FS-1	Fixture	Wade 9103-TY-9 and 1/2 3/4 grate.	12x12 stainless steel floor sink with square top, round sump, anti-tilt s.s. half and three quarter grate, and stainless steel mesh sediment bucket with s.s. frame, beehive dome strainer and compression gasket push-on connection. Furnish and install deep
8315.	washout urinal with 3/4" top inlet spud, 2" outlet, removable strainer. 0.5 gallon per flush or less. Install with supplied wall hangers. Battery powered flush	WCO-1	Fixture	Josam 58890.	seal trap for floor sink. Bronze threaded tapped plug and polished stainless steel round access coverplate secured to plug by
ied Wall Hangers.	valve, adjustable sensor, self cleaning filter, low battery indicator, mechanical manual override, 0.5 gallon flush, and five year warranty. Install top of rim basin 24" A.F.F. or as directed by the Architect.				countersunk screw. Provide countersunk threaded brass plug, where required, in lieu of raised head plug. Provide necessary tapped tees, tapped crosses or ferrules, and other fittings required to install coverplate
r Pennington 96-1-0. 8307.	20" X 18" countertop, self rimming, vitreous china lavatory with oval basin, front overflow with three faucet	OCO & TWCO	Fixture	Josam 58360-PVC.	against finished wall. PVC adjustable floor cleanout, internal bronze plug, Nikaloy adjustable top,
Plate #104428. er and 1-1/4" offset ce.	openings. Battery powered sensor operated electronic hand washing faucet, 0.5 vandal-resistant spray head, flexible stainless steel supply tubes, in-line filters, temperature control				and vandalproof screws set in 5 1/2" thick concrete pad shall be finished smooth on top, square, and shall project 8" on each side of cleanout.
x1-1/4" 17 ga. cast trap and tubular wall With C.O. plug. ne plated cast brass y stops.	volume, 4" matching trim deck plate. and anti-rotating pin. Install top of rim height 34" above finished floor to comply with Adult ADA/TAS requirements.	TMV-1	Fixture	Leonard LV-20-E-LF-CP-BDT.	Thermostatic mixing valve with ³ / ₄ " NPT inlets and outlets, chrome plated DZR brass/polymer construction, operating pressures max. 125 psi and min. 1 gpm. Integral check valves and
r K-1999-0. 8307. Plate #104428. ire 155WC strainer	21-15/16"x19-3/4", wall mount white vitreous china lavatory, 4" centers, overflow, ADA compliant. Battery powered sensor operated electronic				strainers, integral stainless steel parts, adjustable maximum temperature limit stop, dial thermometer and chrome plated finish.
-1/4" offset tailpiece. ire 1-1/4"x1-1/4" 17 ist brass trap and ir wall bend and C.O.	hand washing faucet, 0.5 vandal-resistant spray head, flexible stainless steel supply tubes, in-line filters, temperature control volume, 4" matching trim deck plate. and anti-rotating pin. Install top of rim 34"	GT-1	Fixture	Schier Products GB-250.	Plumbing contractor shall provide grease interceptor where indicated on the Drawings. Grease interceptor shall conform to all code requirements of the City of Victoria, Texas and shall have a
ire ST09LK. loor mounted aled arm carrier.	above finished floor to comply with Adult ADA/TAS requirements.				lifetime warranty. Provide adjustable riser systems as required and anchor kit. Top of trap manhole covers shall be flush with finished grade.
ed. LMABFTL8LC. S.S.	Bi-level, wall mounted wheelchair	EWH-1	Fixture	Rheem/Ruud EGSP20.	Water heater, 2,500 watt heating
et. ied Hanger Bracket.	access with apron, mechanically activated, stainless steel cabinet, concealed 1-1/2" C.P. cast brass "P" trap with cleanout, concealed C.P. supply with wheel handle, hanger bracket, and safety bubbler. Set spout opening of wheelchair accessible				element, 20 gallon storage, 208 volt, single phase, 14 gallon per hour recovery based on 100 degrees F. rise in water temperature, AGA/ASME rated temperature and pressure relief valve, tank coated with a high temperature porcelain enamel, magnesium anodes, tank working pressure of 150 PSI,
98313C. ISB-3624.	electric water cooler 36" above finished floor to comply with Adult ADA/TAS requirements.				polyurethane foam insulation, manual reset, high limit control, and copper low watt density, resistored, screw-in type
30-AA.	36" x 24" mop basin, drain body cast integral, removable C.P. strainer plate, 3" I.C., stainless steel protective cap,				thermostats, five (5) year limited warranty against tank leaks. Provide HoldRite #40-S-22-A 14 gage
32-AA.	chrome plated faucet with hose spout outlet, bucket hook, top brace to wall, vacuum breaker in spout, integral stop		Eisture		galvanized water heater stand and drain pan as indicated.
89-CC.	arms, hose and wall bracket with spring loaded rubber grip (hose 36" long with	EWH-2	Fixture	HTP CGE080.	Water heater, 6 KW, 73 gallon storage, 208 volt, three phase, 4 elements, 24 gallon per hour recovery based on 100
ISG-3624. 239-BB.	3/4" chrome couplings), wall bracket of stainless steel, stainless steel mop hanger, stainless steel back panel, and silaprene sealant.				degrees F. rise in water temperature, AGA/ASME rated temperature and pressure relief valve, Blue Cobalt glass lined steel tank, tank working pressure of 150 PSI, certified tested to 300 PSI, 2" urethane tank insulation, dual 1" anode rods, manual reset, high limit control, adjustable surface mount thermostat, five (5) year limited warranty against inner tank leaks if registered on-line.
		RD-1	Fixture	Zurn Z125-C-90.	Dura-coated cast iron lateral roof drain with flashing clamp, integral gravel stop, secured galvanized cast iron dome, under deck clamp, and no hub outlet. Roof drains shall be dura-coated cast iron body with cast iron strainer. Refer to architectural plans for exact location.



ARCHITECTS AND INTERIOR DESIGNERS Final Plans for Bidding and Construction 4/12/16 STRIDDE, CALLINS & A\$\$OCIATES INC ENGINEE MECHANICAL * ELECTRICA I Т RIS 4 Δ Ω ш C KA C 4 Ū Š Š Ū April 12, 2016 PROJECT NUMBER: PLAN \oplus TRUE SCHEDULES **BP3.1**





- SOIL, WASTE & VENT

