

# USD 492 FLINTHILLS PUBLIC SCHOOLS BUS BARN

806 SE ROSALIA RD, ROSALIA, KS 67132

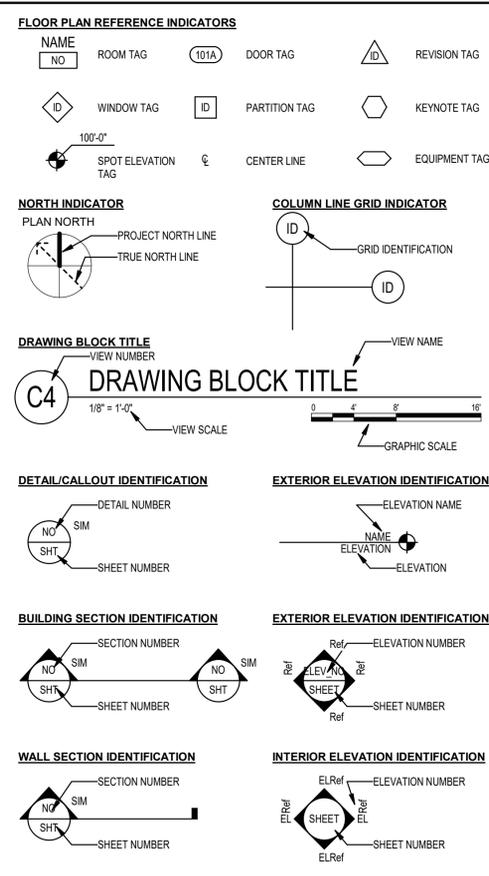
# CONSTRUCTION DOCUMENTS



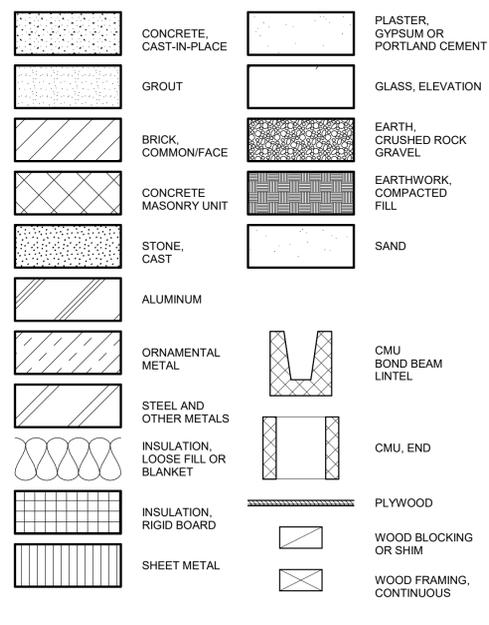
## TERMS AND ABBREVIATIONS

Abbreviation	Term	Abbreviation	Term	Abbreviation	Term	Abbreviation	Term
1WAY	one-way	C cont	carpet	F cont	feet	N cont	National Fire Code
2WAY	two-way	CPT	circumference	FT	foot	NFC	National Fire Protection Association
3PLY	three-ply	CRT YD	courtyard	FTG	footing	NFPA	National Fire Protection Association
3WAY	three-way	CST	cast stone	FURN	furniture	NIC	number in contract
4WAY	four-way	CSG	casework	CS	cast stone	NO	nominal
		CSI	Construction Specifications Institute	FWC	fabric wallcovering	NOM	nominal
A LABEL	Class A door	CSK	counter sunk	FWRK	formwork	NP	no paint
A/C	air condition	CSMT	ceasingment			NRC	noise reduction coefficient
A/C UNIT	air conditioning unit	CSTL	cast steel			NTS	not to scale
A/E	architect/engineer	CSWK	casework	G	galvanized		
AAP	alarm annunciator panel	CT	ceramic tile	GALV	galvanized steel		
AB	anchor bolt	CT STN	cut stone	GALV STL	galvanized steel		
ABBV	abbreviation	CTB	ceramic tile base	GB	grab bar		
ACC	accessible	CTF	ceramic tile floor	GC	general contractor		
ACOUS INSUL	acoustical insulation	CTG	coating	GFRG	glass-fiber-reinforced concrete		
ACOUS PNL	acoustical panel	CTR	center	GFRP	glass-fiber-reinforced gypsum		
ACS DR	access door	CTRL	control	GFRP	glass-fiber-reinforced plastic		
ACS FLR	access floor	CU FT	cubic feet	GL	glass		
ACS PNL	access panel	CU IN	cubic inch	GL BLK	glass block		
ACT	acoustical ceiling tile	CU YD	cubic yard	GLU LAM	glued laminated wood		
ADA	Americans with Disabilities Act	CURT	curtain	GLZ	glazing		
AF	above finished floor			GLZ CMU	glazed concrete masonry unit		
AGGR	aggregate			GPC	gypsum plaster ceiling		
AHJ	authority having jurisdiction			GR BM	grade beam		
AHU	air handling unit	D	Class D door	GR FL	ground floor		
AIA	American Institute of Architects	D LABEL	Class D door	GR LN	grade line		
ALM	alarm	DBL	double	GSB	gypsum sheathing board		
ALNMT	alignment	DBL ACT DR	double acting door	GUT	gutter		
ALT	alternate	DBL GLZ	double glazed	GW	glazed wall tile		
ALT NO	alternate number	DEMO	demolition	GYP	gypsum		
ALUM	aluminum	DEPT	department	GYP BD	gypsum board		
ANN	annunciator	DET	detail	GYP PLAS	gypsum plaster		
ANOD	anodize	DF	drinking fountain				
APC	acoustical panel ceiling	DF WL MTD	drinking fountain, wall mounted				
APPD	approved	DIAM	diameter				
APPROX	approximate	DIST	distance				
ARCH	Architect	DIV	division				
ASKLR	automatic sprinkler	DOC	document				
ASPH	asphalt	DPTM	demountable partition				
AV	audio visual	DR	door				
		DR CL	door closer				
B LABEL	Class B door	DR FR	door frame				
B PL	base plate	DR OPNG	door opening				
BAS	building automation system	DRH	door holder				
BB	baseboard	DRLV	door louver				
BC	bookcase	DRSW	door switch				
BD	board	DW	dishwasher				
BDRY	boundary	DWG	drawing				
BFF	below finish floor						
BHMA	Builder's Hardware Manufacturers' Association	E	Class E door				
BITUM	bituminous	E LABEL	Class E door				
BLKHD	bulkhead	EA	each				
BLT IN	built-in	EFS	exterior finish system				
BLW CLG	below ceiling	EGB	exterior gypsum board				
BN	bulnose	EGSB	exterior gypsum sheathing board				
BRCG	bracing	EIFS	exterior insulation and finish system				
BRDG	bridging	EJ	expansion joint				
BRDG JST	bridging joist	ELEC	electric				
BRG	bearing	ELEV	elevator				
BRG PL	bearing plate	ENTR	entrance				
BRZ	bronze	EOS	edge of slab				
BTWN	between	EPS	expanded polystyrene board (insulation)				
BUR	built-up roofing	EQ	equal				
		EQUIP	equipment				
C	cast concrete	ESCAL	escalator				
C CONC	cast concrete	EXST	existing				
C LABEL	Class C door	EXT	exterior				
CAB	cabinet	EXT GR	exterior grade				
CAC	ceiling attenuation class	EXT LT	exit light				
CATW	catwalk						
CBB	cementitious (backer) board						
CEM	cement						
CEM FIN	cement finish						
CEM PLAS	celest plaster	F	fire brick				
CEM PLAS CLG	celest plaster ceiling	F BRK	fire brick				
CER	ceramic	FAB	fire alarm bell				
CF	contractor furnished	FABX	fire alarm box				
CF/CI	contractor furnished/contractor installed	FACP	fire alarm control panel				
CF/OI	contractor furnished/owner installed	FAR	floor area ratio				
CFE	contractor furnished equipment	FAS BD	fascia board				
CFLG	counterflashing	FC BRK	face brick				
CFMF	cold-formed metal framing	FD	floor drain				
CG	corner guard	FDC	fire department connection				
CHFR	chamfer	FDCC	fire department connection cabinet				
CI	cast iron	FDMPR	fire damper				
CIP	cast-in-place	FDR	fire door				
CIR	circle	FDN	foundation				
CJ	control joint	FDV	fire department valve				
CL	center line	FE	fire extinguisher				
CLDG	cladding	FEC	fire extinguisher cabinet				
CLG	ceiling	FF	finish face				
CLG DIFF	ceiling diffuser	FF BATT	foi backed batt insulation				
CLG GR	ceiling grille	FF EL	finish floor elevation				
CLG HT	ceiling height	FFAE	finish floor, fixture, and equipment				
CLG REG	ceiling register	FFA	finish floor above				
CLKJ	calked joint	FFB	finish floor below				
CLR	color	FH	fire hydrant				
CMPT	composite	FHC	fire hose cabinet				
CMPTR	computer	FHP	full height partition				
CMU	concrete masonry unit	FIN	finish				
CNR	corner	FIN BS	finish both sides				
CNTOR	contractor	FIN FLR	finish floor				
CNTR	counter	FIN GR	finish grade				
CO	column	FIN WD	finish wood				
COL	communication	FIXT	fixture				
COMM	communication	FLG	flooring				
CONC	concrete	FLR	floor				
CONC FLR	concrete floor	FLR FIN	floor finish				
CONC OPNG	concrete opening	FLR PL	floor plate				
CONSTR	construction	FLR SK	floor sink				
CONSULT	consultant	FN	fence				
CONT	continue	FOUNT	fountain				
COORD	coordinate	FR	fire rating				
CORR	corridor	FRMG	framing				
COV PL	cover plate	FRP	fiberglass reinforced plastic				
CP	control panel	FRST GL	frosted glass				
		FRTW	fire retardant treated wood				

## GRAPHIC SYMBOLS LEGEND



## MATERIAL SYMBOLS LEGEND



## SHEET INDEX

SHEET NUMBER	SHEET NAME	REVISION NO.
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STRUCTURAL		
S-001	GENERAL NOTES & SCHEDULES	
S-101	FTG & FNDN. PLAN	
S-301	FTG & FNDN. DETAILS	
ARCHITECTURAL		
A-101	PLANS	
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I-001	TYPICAL MOUNTING HEIGHTS	
I-201	INT. ELEVATIONS & FINISH SCHED.	

## GENERAL NOTES

- DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF THE ARCHITECT AND MAY NOT BE REPRODUCED IN ANY MANNER WITHOUT EXPRESSED WRITTEN CONSENT.
- ALL SUBSTITUTIONS AND CHANGES TO THESE DRAWINGS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.
- THE GENERAL CONTRACTOR SHALL INVESTIGATE ALL FIELD CONDITIONS RELEVANT TO THE PROJECT, INCLUDING BUT NOT LIMITED TO DIMENSIONS, ELEVATIONS, GENERAL CONDITIONS AND OTHER MISCELLANEOUS EXISTING CONDITIONS AND SHALL PROMPTLY NOTIFY THE ARCHITECT OF ANY WHICH DO NOT AGREE WITH THOSE IN THESE DRAWINGS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL COMPONENTS AND ACCESSORIES, EQUIPMENT, MATERIALS, HARDWARE AND OTHER ITEMS NECESSARY (UNLESS NOTED OTHERWISE) FOR A COMPLETE AND FINISHED JOB CONSISTENT WITH THE DESIGN INTENT PRESENTED IN THESE DRAWINGS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL THE APPLICABLE BUILDING PERMITS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL CODES AND REGULATIONS ADOPTED BY THE AUTHORITIES HAVING JURISDICTION OVER THE LOCATION OF THE PROJECT, WHICH ARE APPLICABLE AT THE TIME OF ISSUANCE OF THE BUILDING PERMITS.
- THE GENERAL CONTRACTOR SHALL NOT REPRODUCE ANY PORTION OF THE CONTRACT DRAWINGS FOR USE IN ANY PORTION OF A SUBMITTAL.
- ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
- GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.

## DIRECTORY

**OWNER:**  
USD492 FLINTHILLS  
806 SE ROSALIA RD  
ROSALIA, KS 67132  
P: (620) 478-2215  
F: (620) 478-2253  
CONTACT: JEREMY BOLDRA  
j.boldra@usd492.org

**GENERAL CONTRACTOR:**  
DCS SERVICES  
1608 E LEWIS ST  
WICHITA, KS 67211  
P: (316) 869-1008  
CONTACT: BRETT MILLER  
E: brett@dcsservices.net

**ARCHITECT:**  
GLMV ARCHITECTURE, INC  
1525 E. DOUGLAS  
WICHITA, KS 67211  
P: (316) 265-9367  
F: (316) 265-5646  
CONTACT: PETER TODD  
E: peter.todd@glmv.com

**CIVIL:**  
GLMV ARCHITECTURE, INC  
9229 WARD PARKWAY, SUITE 210  
KANSAS CITY, MO 64114  
P: (816) 444-4200  
CONTACT: ANGIE MORGAN  
E: angie.morgan@glmv.com

**STRUCTURAL:**  
MKEC  
411 N WEBB RD  
WICHITA, KS 67206  
P: (316) 684-9600  
F: (316) 616-0241  
CONTACT: AARON WOLF  
E: AWOLF@MKEC.COM

**LOCAL BUILDING INSPECTION DEPARTMENT:**  
PLANNING & ZONING  
121 S. GORDY, SUITE 202  
EL DORADO, KS 67042  
P: (316) 322-4325  
F: (316) 322-4264

## LOCATION MAP



USD 492 FLINTHILLS PUBLIC SCHOOLS  
**BUS BARN**  
 806 SE ROSALIA RD, ROSALIA, KS 67132

DESCRIPTION	DATE
PROJECT NO:	18002.19011
DATE:	1/31/2020
DRAWN BY:	RY
CHKD BY:	PAT

G-001

**CODE ANALYSIS**

**CODE PLAN LEGEND**

**PROJECT CONSTRUCTION PURPOSE:**

NEW BUS BARN GARAGE AND MAINTENANCE BUILDING FOR USD492

**REASON FOR SUBMITTAL:**

NEW BUS BARN GARAGE AND MAINTENANCE BUILDING.

**CODE OR CODES USED:**

CODE	TITLE	EDITION
BUILDING CODE	INTERNATIONAL BUILDING CODE	2006
FIRE PREVENTION	INTERNATIONAL FIRE CODE KAR22-1 KANSAS FIRE PREVENTION CODE	2006
ACCESSIBILITY	ADA STANDARDS FOR ACCESSIBLE DESIGN	2012
LIFE SAFETY	NFPA 101-LIFE SAFETY CODE	2012
CONSTRUCTION	NFPA 220-STANDARD ON TYPES OF BUILDING CONSTRUCTION	2012
PORTABLE FIRE EXTINGUISHERS	NFPA 10-INSTALLATION OF PORTABLE FIRE EXTINGUISHERS	2010

**JURISDICTION:**

KANSAS FIRE MARSHAL

**PROJECT LOCATION:**

NEW PART OF CAMPUS OF USD492, ROSALIA, KANSAS

**DESIGNER:**

GLMV ARCHITECTURE, INC  
1525 E. DOUGLAS  
WICHITA, KS 67211  
P: (316) 265-9367  
F: (316) 265-8646  
CONTACT: PETER TODD  
E: peter.todd@glmv.com

**OWNER:**

USD492 FLINTHILLS  
806 SE ROSALIA RD  
ROSALIA, KS 67132  
P: (620) 476-2215  
F: (620) 476-2253  
CONTACT: JEREMY BOLDRA  
E: j.boldra@usd492.org

**RESPONDING FIRE SERVICE:**

BUTLER COUNTY RURAL FIRE DEPT. DIST. 5 - ROSALIA, KS

**LOCAL BUILDING INSPECTION DEPARTMENT:**

PLANNING & ZONING  
121 S. GORDY, SUITE 202  
EL DORADO, KS 67042  
P: (316) 322-4325  
F: (316) 322-4264

**USE AND OCCUPANCY:**

USE GROUP	OCCUPANCY CLASSIFICATION	SECTION
GROUP S-2	LOW-HAZARD STORAGE (PARKING GARAGES, OPEN OR ENCLOSED)	311.3
GROUP S-1	MODERATE-HAZARD STORAGE (VEHICLE MAINTENANCE)	311.2

**GENERAL BUILDING HEIGHTS AND AREAS:**

BUILDING HEIGHT	ALLOWABLE(ft)	ACTUAL(ft)	TABLE
TYPE II-B (S-2)	55(ft), 4(S)	19(ft), 1(S)	503 /
BUILDING AREA	ALLOWABLE(sqft)	ACTUAL(sqft)	TABLE
TYPE II-B (S-2)	26,000(sqft)	9,300(sqft)	503 /

**TYPE OF CONSTRUCTION:**

CONSTRUCTION CLASSIFICATION	TABLE
TYPE II-B,	601 /

BUILDING ELEMENT	FIRE-RESISTANCE RATING(hr)
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS	
EXTERIOR	0
INTERIOR	0
NONBEARING WALLS & PARTITIONS	
EXTERIOR	SEE TABLE 602
INTERIOR	0
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0

**MEANS OF EGRESS:**

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	TABLE
PARKING GARAGES	200 GROSS	1004.1.1 / 7.3.1.2
OFFICE	100 GROSS	1004.1.1 / 7.3.1.2
MECH/EQUIPMENT RM	300 GROSS	1004.1.1 / 7.3.1.2

TOTAL OCCUPANT LOAD GARAGE & MAINTENANCE LEVEL 1 - TOTAL OCCUPANCY = 56 OCCUPANTS

OCCUPANCY	ALLOWABLE(ft)	ACTUAL(ft)	TABLE
GROUP S-2	400 FT	57'-8" FT	1016.1.1 / 12.2.6.2(1)

**ACTIVE FIRE SAFETY FEATURES:**

FIRE SPRINKLER: NON-SPRINKLERED  
NON-COMBUSTIBLE MATERIALS CONCEALED CEILING SPACES: 3,000 S.F. MAX BETWEEN DRAFT STOPS (NONE ANTICIPATED)  
PORTABLE FIRE EXTINGUISHERS: PER LOCAL CODES  
FIRE ALARM AND DETECTION SYSTEMS: NONE

**FIRE AND SMOKE PROTECTION FEATURES:**

2-HOUR FIRE BARRIER (IBC SECTION 707)

**FIRE PROTECTION SYSTEMS:**

- FIRE DEPARTMENT CONNECTION
- FIRE EXTINGUISHER CABINET  
FIRE EXTINGUISHER RATING 2-A
- FIRE DEPARTMENT KEY BOX
- FIRE DEPARTMENT CONNECTION  
TWO-WAY SIAMESE
- FIRE SUPPRESSION CONTROL PANEL
- EXIT SIGN,  
CEILING MOUNTED  
WITH DIRECTIONAL ARROW
- EXIT SIGN,  
WALL MOUNTED
- SMOKE DAMPER
- FIRE DAMPER
- FIRE ALARM STATION,  
MANUAL PULL
- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUCIATOR PANEL

**MEANS OF EGRESS:**

OCCUPANT LOAD (IBC SECTION 1004)

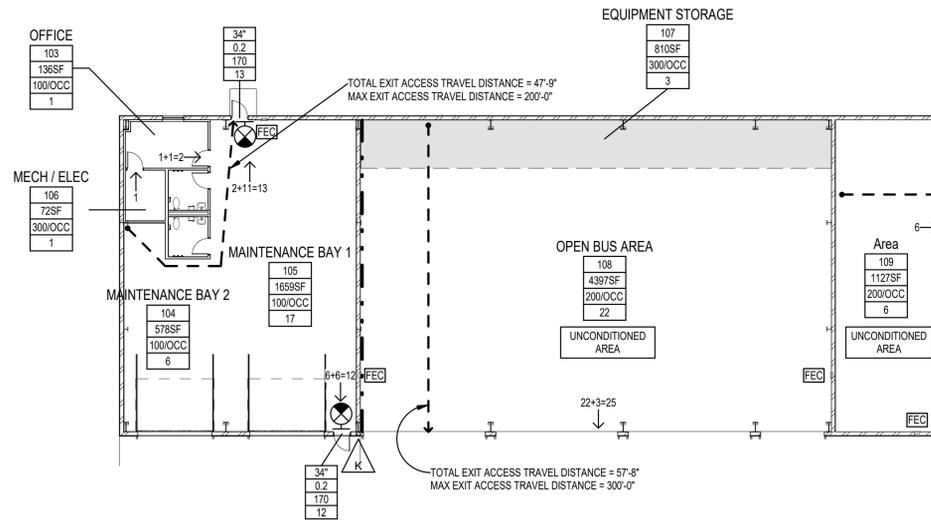
NAME	ROOM NAME
Room No.	ROOM NUMBER
AreaSF	AREA = GROSS OR 'NET' per IBC ch. 2
Occupant Load Factor/OCC	OCCUPANT LOAD FACTOR per TABLE 1004.1.2
No of Occupants	NUMBER OF OCCUPANTS = AREA/OLF

**MEANS OF EGRESS SIZING (IBC SECTION 1005)**

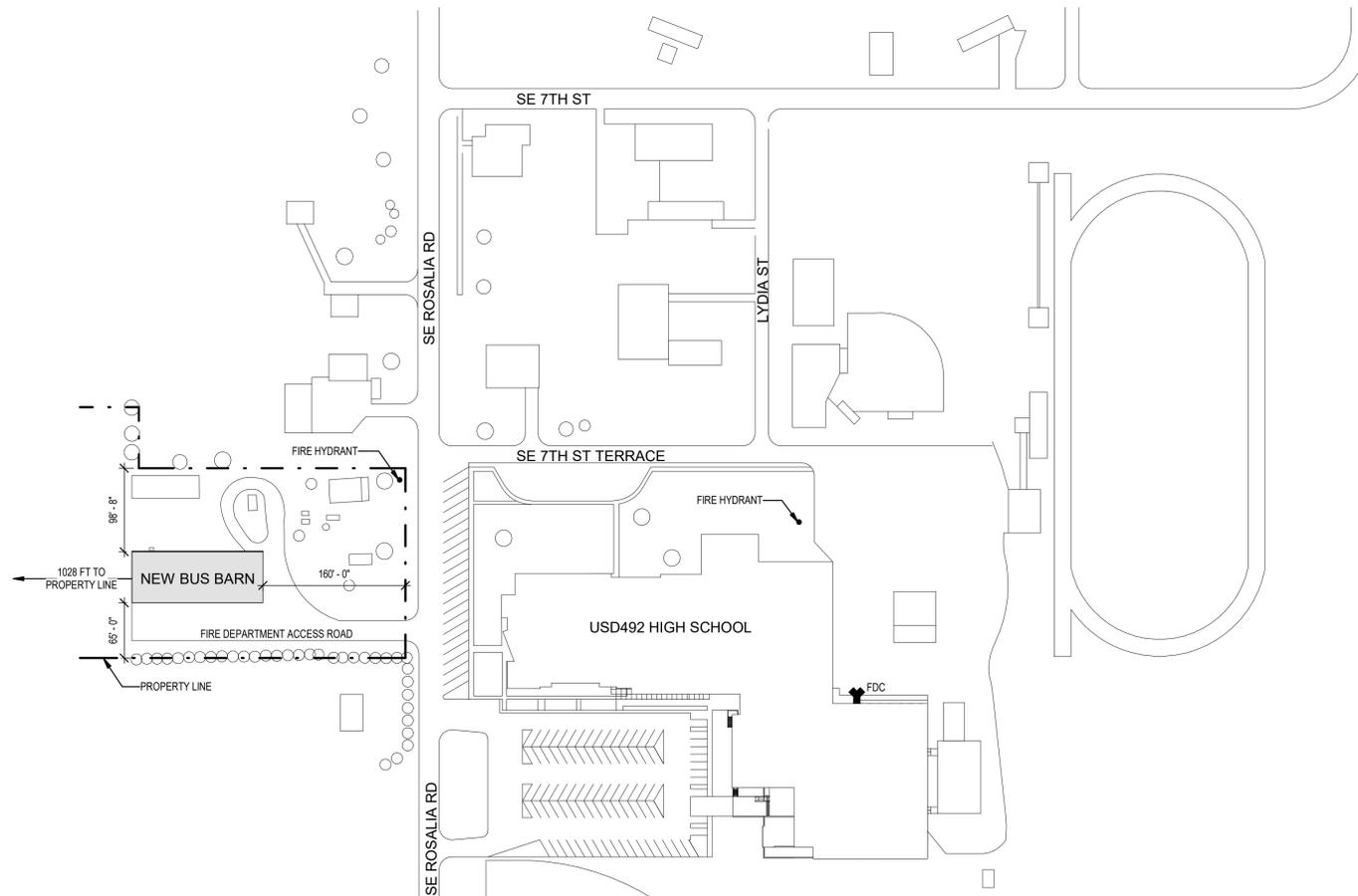
Clear Exit Width	CLEAR EXIT WIDTH PROVIDED
Capacity Factor per IBC sect. 1005.3.2	CAPACITY FACTOR per IBC SECT. 1005.3.2
Required capacity	REQUIRED EXIT CAPACITY
Occupant load served	OCCUPANT LOAD AT EXIT

COMMON PATH OF EGRESS TRAVEL AND/OR EXIT ACCESS TRAVEL DISTANCE

REQUIRED EXIT WITH OCCUPANT LOAD



**B CODE PLAN**  
1/16" = 1'-0"



**A SITE PLAN**  
1" = 100'-0"

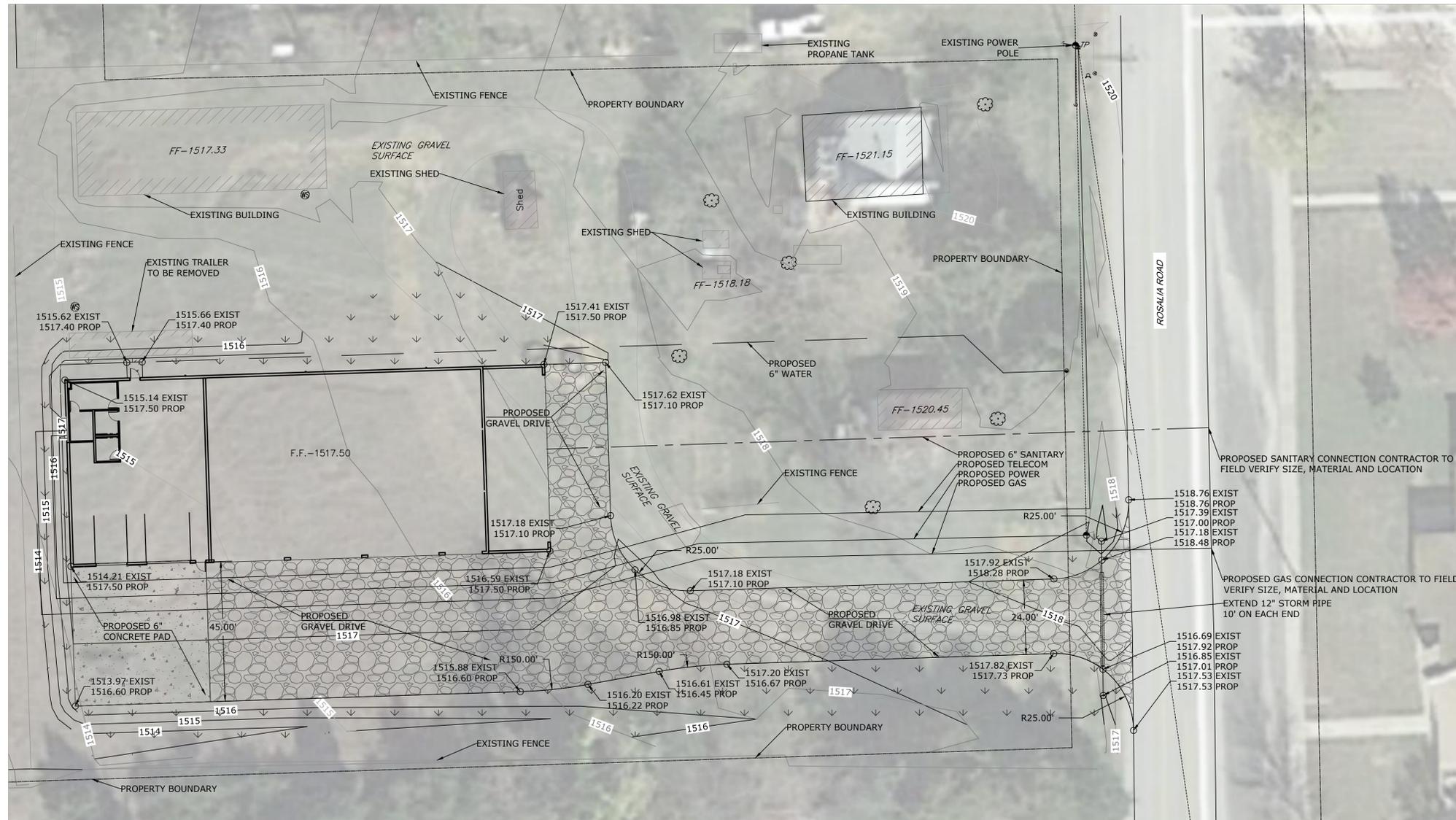


USD 492 FLINTHILLS PUBLIC SCHOOLS  
**BUS BARN**  
806 SE ROSALIA RD, ROSALIA, KS 67132

DESCRIPTION	DATE
PROJECT NO:	18002.19011
DATE:	1/31/2020
DRAWN BY:	RY
CHKD BY:	PAT

**CODE SUMMARY**

**G-002**



**1 SITE PLAN**

1" = 20'-0"



**SITE PLAN NOTES**

1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.
3. CONTRACTOR SHALL CONTACT DIG SAFE PRIOR TO ANY EXCAVATION/DIGGING.
4. ALL EXISTING CONDITIONS, DIMENSIONS, AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION. FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
5. CONTRACTOR SHALL REPAIR ALL DISTURBED LANDSCAPING.
6. CONTRACTOR SHALL MODIFY EXISTING IRRIGATION SYSTEM TO PROPERLY WATER ANY REVISED OR ADDED LANDSCAPE AREAS.
7. MINIMUM DEPTH OF WATER LINE SHALL BE 42".
8. CONTRACTOR TO MAINTAIN 10' OF HORIZONTAL SEPARATION OF WATER AND SANITARY SEWER. MAINTAIN 2' OF VERTICAL SEPARATION OF WATER AND SANITARY SEWER.
9. MINIMUM SLOPE OF SANITARY SERVICE SHALL BE 1.00%.

**GENERAL GRADING NOTES**

1. CONTRACTOR SHALL OBTAIN SOILS SUITABLE AS STRUCTURAL FILL FROM OFF-SITE SOURCES. ALL BORROW MATERIALS MUST BE TESTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO IMPORTING SOILS TO THE PROJECT SITE.
2. ALL PROPOSED CONTOUR LINES AND SPOT ELEVATIONS SHOWN ARE FINISH GROUND ELEVATIONS. CONTRACTOR SHALL ACCOUNT FOR PAVEMENT DEPTHS, BUILDING PADS, TOPSOIL, ETC WHEN GRADING THE SITE.
3. ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED (GREEN SPACES) SHALL BE FINISH GRADED WITH A MINIMUM OF SIX INCHES OF TOPSOIL.
4. ALL EXCAVATIONS AND EMBANKMENTS SHALL COMPLY WITH THE RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL ENGINEER.
5. FINISHED GRADES SHALL NOT BE STEEPER THAN 3:1.
6. CONTRACTOR SHALL GRADE AWAY FROM ALL BUILDINGS AT 5% SLOPE FOR A MINIMUM FIVE FEET.
7. CONTRACTOR SHALL GRADE GROUND UNDER SPLASH PADS TO ENSURE DRAINAGE AWAY FROM BUILDING.
8. ALL SITE WORK FOR THIS PROJECT IS CONSIDERED "UNCLASSIFIED". THE TERM "UNCLASSIFIED" EXCAVATION SHALL BE DEFINED AS MEANING THE CONTRACTOR BEARS THE ENTIRE RISK OF THE SOIL QUANTITIES AND/OR TYPE (E.G. ROCK, CLAY, PEAT, SILT, SHALE, ETC.) ENCOUNTERED EITHER ABOVE OR BELOW PROPOSED SUBGRADES. IN THE EVENT IT BECOMES NECESSARY FOR UNSUITABLE SOIL TO BE HANDLED, REMOVED FROM THE SITE, OR FOR SUITABLE MATERIAL TO BE IMPORTED TO THE SITE, THE CONTRACTOR SHALL BEAR THE ENTIRE COST OF SUCH ADDITIONAL WORK. "UNSUITABLE" SOIL ALSO INCLUDES SATURATED SOILS THAT MAY NEED REPLACING AND/OR TREATING IN ORDER TO MEET SCHEDULE DATES. THIS DEFINITION OF "UNCLASSIFIED" SUPERCEDES ANY CONTRARY DEFINITIONS OR STATEMENTS WHICH MAY BE CONTAINED IN SPECIFICATIONS, PLANS, OR OTHER DOCUMENTS.
9. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS OF CONNECTION POINTS AS SHOWN ON GRADING PLANS. IF DISCREPANCY EXISTS NOTIFY ENGINEER FOR DIRECTION.
10. THIS IS DESIGN GRADING. ALL GRADES SHALL BE CONTOURED SMOOTHLY WITH GENTLE ROUNDING/SHAPING OF ALL AFFECTED LAND SURFACES. ABRUPT TRANSITIONS AT THE TOP OF SLOPES WHERE PROPOSED GRADES MEET EXISTING ARE NOT ACCEPTABLE. SURVEY STAKES ARE FOR GENERAL GRADING PURPOSES ONLY. NOT ALL SLOPES ARE CONSTANT AND THEREFORE THE GRADING PLANS SHALL BE REFERRED TO FOR FINAL GRADE SHAPING.

**ENGINEERING NOTICE TO CONTRACTOR:**

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION OF UTILITY SERVICES TO THE EXISTING BUILDINGS PRIOR TO DEMOLITION OF THE BUILDINGS.
3. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED TO ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
4. ALL SITE FEATURES ARE TO REMAIN UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES AND REMOVE ALL ONSITE CONDUITS/UTILITIES. CAP EXISTING UTILITIES AT PROPERTY LINE FOR FUTURE REUSE.
6. SHOULD THE STRUCTURE HAVE AN ACTIVE RODENT OR INSECT INFESTATION, THE INFESTATION SHOULD BE ABATED PRIOR TO DEMOLITION OF THE STRUCTURES IN ORDER TO PREVENT THE SPREAD OF VECTORS TO ADJACENT PROPERTIES.
7. IN THE PROCESS OF DEMOLISHING THE EXISTING STRUCTURE, THE CONTRACTOR MAY ENCOUNTER ASBESTOS CONTAINING CONSTRUCTION MATERIALS AND MATERIALS COATED WITH LEAD BASED PAINTS.
8. ANY CONSTRUCTION MATERIALS DEEMED HAZARDOUS AS IDENTIFIED IN THE DEMOLITION PROCESS MUST BE CHARACTERIZED AND DISPOSED OF IN ACCORDANCE WITH CURRENT FEDERAL, STATE, AND LOCAL REQUIREMENTS.
9. CONTRACTOR SHALL COORDINATE GAS LINE REQUIREMENTS WITH GAS SERVICE PROVIDER. SEE PLUMBING PLAN FOR GAS LOADS.

**LEGEND**

	CONCRETE PAVEMENT		EXISTING MINOR CONTOUR
	PARKING LOT ASPHALT		EXISTING MAJOR CONTOUR
	LANDSCAPE AREA		PROPOSED WATER
	PROPERTY LINE		PROPOSED SANITARY
	FIBER OPTIC NETWORK		PROPOSED UNDERGROUND POWER
	OVERHEAD POWER		PROPOSED GAS
			PROPOSED MINOR CONTOUR
			PROPOSED MAJOR CONTOUR



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**BUS BARN**  
 806 SE ROSALIA RD, ROSALIA, KS 67132

DESCRIPTION	DATE
PROJECT NO:	18002.19011
DATE:	1/31/2020
DRAWN BY:	KSC
CHKD BY:	ALM

**CIVIL SITE PLAN**

**C-001**

**STRUCTURAL GENERAL NOTES:**

- DESIGN AND CONSTRUCTION SHALL CONFORM TO THE "INTERNATIONAL BUILDING CODE, 2006 EDITION". REFER TO SPECIAL INSPECTION NOTES FOR ADDITIONAL REQUIREMENTS.
- DESIGN CRITERIA AND LOADS: ROOF LIVE LOAD - 20 PSF WITH CODE PROVISIONS FOR SNOW DRIFTING (GROUND SNOW  $P_g = 15$  PSF) AND NO REDUCTION TO METAL BUILDING FRAMES: METAL BUILDING COLLATERAL ROOF DEAD LOAD - 3.0 PSF; SLAB ON GRADE LIVE LOAD = 150 PSF; BASIC WIND SPEED - 90 MPH (3 SECOND GUST), EXPOSURE C; SEISMIC DESIGN CATEGORY - B; SEISMIC SITE CLASS - D; SEISMIC AND WIND IMPORTANCE FACTOR - 1.0.
- THE TOTAL LOAD SOIL BEARING PRESSURE DOES NOT EXCEED 1500 PSF FOR ALL WALL AND COLUMN FOOTINGS BEARING INTO UNDISTURBED NON-ORGANIC COHESIVE SOILS OR INTO AN ENGINEERED, TESTED, CONTROLLED FILL. THE CONTRACTOR SHALL PROVIDE SOIL TESTING SERVICES TO CONFIRM SOIL CONDITIONS/BEARING VALUES AND PROVIDE WRITTEN VERIFICATIONS TO THE OWNER'S REPRESENTATIVE AND ENGINEER. IF ACTUAL SITE CONDITIONS DO NOT SATISFY DESIGN REQUIREMENTS, COORDINATE ADJUSTMENTS WITH THE OWNER'S REPRESENTATIVE AND ENGINEER. ALL PERIMETER AND EXTERIOR FOOTINGS SHALL EXTEND AT LEAST 3'-0" BELOW ADJACENT GRADE.
- FOOTINGS MAY BE POURED TO NEAT LINES OF EXCAVATIONS PROVIDING VERTICAL LINES OF EXCAVATIONS CAN BE MAINTAINED DURING CONCRETE PLACEMENT.
- BEAMS, COLUMNS, WALLS AND FOOTINGS CENTER SHALL BE CENTERED UNDER SUPPORTING MEMBERS (TYPICAL UNLESS NOTED).
- CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" (VERIFY WITH OWNER'S REPRESENTATIVE).
- NO ALUMINUM SHALL BE IMBEDDED IN ANY CONCRETE.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION THAT ALL METAL BUILDING COLUMN BASE PLATES WILL FULLY BEAR ON CONCRETE PIERS/FOOTINGS. INCREASE SIZE WHERE REQUIRED TO ACCOMMODATE FULL BEARING; COORDINATE WITH THE ENGINEER.
- ANCHOR BOLTS SIZES AND PLACEMENT LOCATIONS BY METAL BUILDING MANUFACTURER. ANCHOR BOLTS SHALL BE FURNISHED BY THE GENERAL CONTRACTOR AND SET WITH A TEMPLATE.
- ALL STRUCTURAL REGULAR WEIGHT CAST-IN-PLACE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS (TYPICAL UNLESS NOTED). SLABS ON GRADE SHALL BE 3500 PSI AT 28 DAYS. ALL CONCRETE SHALL BE IN CONFORMANCE WITH THE LATEST A.C.I. 301 STANDARDS PUBLICATION.
- ALL REINFORCING BARS SHALL MEET ASTM A615 GRADE 60.
- REINFORCING BARS QUANTITIES SHOWN ARE FOR ESTIMATING PURPOSES ONLY.
- PROVIDE 150 LBS. OF EXTRA BARS OF VARIOUS SIZES USED ON THIS PROJECT TO BE USED AS DIRECTED: INCLUDE LABOR FOR PLACEMENT.
- CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE 3/4" CLEAR FOR SLABS, 2" CLEAR FOR FORMED SURFACES AND 3" CLEAR FOR FOOTINGS (TYPICAL UNLESS NOTED).
- REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED 40 BAR DIAMETERS (2' - 0" MIN.) EXCEPT AS NOTED AND PROVIDE CORNER BARS OF SAME SIZE AND SPACING.
- REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST A.C.I. DETAILING MANUAL BY A QUALIFIED AND EXPERIENCED PERSON AND FIRM. PLACE AND SUPPORT REINFORCING WITH ACCESSORIES: MAXIMUM SPACING - 48" CENTERS. USE 3" SBP SUPPORTS AT ALL FOOTINGS.
- CONTRACTOR SHALL VERIFY THAT ALL REINFORCEMENTS, INSERTS, SLEEVES AND EMBEDDED ITEMS ARE PROPERLY LOCATED AND RIGIDLY SECURED PRIOR TO CONCRETE PLACEMENT.
- SLABS ON GRADE SHALL BE 6" MINIMUM THICK WITH #4 BARS @ 18" O.C. EA. WAY CENTERED IN SLAB. AT CENTER OF SLAB THICKNESS, UNLESS NOTED.
- ALL ANCHORS WHERE NOTED SHALL BE MANUFACTURED BY HILTI, INC. AND INSTALLED PER HILTI SPECIFICATIONS. HILTI HY200 ANCHORS SHALL USE HILTI "SAFE SET" INSTALLATION METHOD. SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL WITH APPROPRIATE ICC-ES EVALUATION REPORTS.
- STRUCTURAL STEEL PLATES, ANGLES AND CHANNELS SHALL MEET ASTM A36 ( $F_y = 36$  KSI MIN.), AND ANCHOR BOLTS - ASTM F-1554, GRADE 36, TYPICAL UNLESS NOTED.

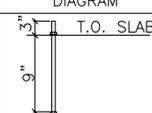
- STRUCTURAL STEEL SHALL BE NEW AND MEET THE THIRTEENTH EDITION A.I.S.C. "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS AND BRIDGES", AND THE "CODE OF STANDARD PRACTICES FOR STEEL BUILDINGS AND BRIDGES," EXCLUDING SECTION 4.4.1.b.
- METAL BUILDING MANUFACTURER TO BE A MEMBER OF THE METAL BUILDING MANUFACTURER'S ASSOCIATION (MBMA) AND TO BE APPROVED BY THE OWNER'S REPRESENTATIVE.
- THE METAL BUILDING MANUFACTURER SHALL BE RESPONSIBLE FOR THE METAL BUILDING DESIGN. THE METAL BUILDING DESIGN AND CALCULATIONS SEALED BY A KANSAS LICENSED ENGINEER SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE FABRICATION AND APPROVED BEFORE ANY CONCRETE FOOTINGS ARE POURED. THE METAL BUILDING MANUFACTURER SHALL PROVIDE ALL ACTUAL COLUMN LOCATIONS AND LOADS TO THE FOUNDATIONS FOR DESIGN VERIFICATIONS INCLUDING WIND COLUMN/BRACING CONDITIONS. THE ENGINEERING COSTS ASSOCIATED WITH ANY FOUNDATION RE-DESIGN SERVICE, IS REQUIRED, SHALL BE BORNE BY THE GENERAL CONTRACTOR.
- METAL BUILDING DESIGN TO MEET LATEST SPECIFICATIONS AND LOCAL CODE REQUIREMENTS.
- WELDING SHALL CONFORM TO CURRENT A.W.S. "STRUCTURAL WELDING CODE - STEEL" AND "STRUCTURAL WELDING CODE - SHEET STEEL" SPECIFICATIONS, AND BE COMPLETED BY AN A.W.S. CERTIFIED WELDER.
- HOLES, PIPES, SLEEVES, ETC. NOT SHOWN ON THE DRAWING MUST BE REVIEWED BY THE OWNER'S REPRESENTATIVE BEFORE PLACEMENT THROUGH STRUCTURAL MEMBERS.
- IF MECHANICAL AND ELECTRICAL EQUIPMENT SIZES, WEIGHTS, OR LOCATIONS DO NOT COINCIDE WITH EQUIPMENT SHOWN ON THE PLANS, COORDINATE ADJUSTMENTS WITH THE OWNER'S REPRESENTATION.
- NO AREA OF THE STRUCTURE SHALL BE LOADED WITH CONSTRUCTION MATERIALS OR EQUIPMENT THAT EXCEEDS FINAL DESIGN CRITERIA.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO EXECUTE AND DETERMINE FINAL ERECTION PROCEDURES, SEQUENCING AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYING OR TIE DOWNS WHICH MIGHT BE NECESSARY.
- FABRICATORS AND SUPPLIERS SHALL CLEARLY NOTE CHANGES MADE IN SHOP DRAWINGS WHICH DIFFER FROM CONSTRUCTION DOCUMENTS.
- SURFACE WATER SHALL NOT BE ALLOWED TO STAND ADJACENT TO OR DRAIN TOWARDS THE FOUNDATION UNDER ANY CIRCUMSTANCES. PAVEMENTS OR GRADED SOIL AT THE PERIMETER OF THE BUILDING, EXCEPT AS REQUIRED AT EXITS OR AS NOTED, SHALL BE SLOPED AWAY AT 5% OR 6" MINIMUM FOR THE FIRST 10 FEET.
- THE STRUCTURE IS NOT DESIGNED FOR FUTURE EXPANSION.
- IF DISCREPANCIES EXIST BETWEEN STRUCTURAL PLANS, ARCHITECTURAL PLANS, OTHER PLANS, OR SPECIFICATIONS, THE CONTRACTOR OR SUB-CONTRACTOR SHALL PROVIDE A WRITTEN REQUEST FOR CLARIFICATION FROM THE OWNER'S REPRESENTATION AND/OR ENGINEER BEFORE PROCEEDING WITH THE WORK.
- CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATION IMMEDIATELY.

**SPECIAL STRUCTURAL INSPECTION NOTES:**

- SPECIAL STRUCTURAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER OR OWNER'S REPRESENTATIVE MEETING THE REQUIREMENTS OF CHAPTER 17 OF THE CODE.
- THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE TO APPROVED DESIGN DRAWINGS, SPECIFICATIONS AND CODE PROVISIONS.
- THE SPECIAL INSPECTOR SHALL BE APPROVED BY THE OWNER, BUILDING OFFICIAL, ARCHITECT AND LICENSED DESIGN ENGINEER AND FURNISH THE CODE REQUIRED REPORTS IN A TIMELY MANNER TO THE BUILDING OFFICIAL, ARCHITECT AND ENGINEER.
- SPECIAL INSPECTIONS AS REQUIRED BY CODE:
  - CONCRETE: SECTION 1704.4 AND TABLE 1704.4 (PERIODIC)
  - STEEL: SECTION 1704.3 AND TABLE 1704.3
  - SOILS: SECTION 1704.7 AND TABLE 1704.7 (PERIODIC)

GRADE BEAM SCHEDULE		
MARK	SIZE	REINF.
CF2	0'-8" WIDE X 3'-4" DP. MIN.	(3) #4 CONT.

PAD FOOTING SCHEDULE		
MARK	SIZE	REINF.
D	3'-0" SQ. X 2'-4" DP. MIN.	(3) #4 EA. WAY BOT.
E	6'-0" SQ. X 2'-4" DP. MIN.	(7) #6 EA. WAY TOP & BOT.

METAL BUILDING ANCHOR BOLT SCHEDULE		
SIZE	LENGTH	DIAGRAM
3/4" $\phi$	1'-2" (TACK WELD BOT. NUT)	

USD 492 FLINTHILLS PUBLIC SCHOOLS  
**BUS BARN**  
 806 SE ROSALIA RD, ROSALIA, KS 67132

DESCRIPTION	DATE
PROJECT NO:	190108068
DATE:	1/17/2020
DRAWN BY:	DJ
CHKD BY:	AW, RR

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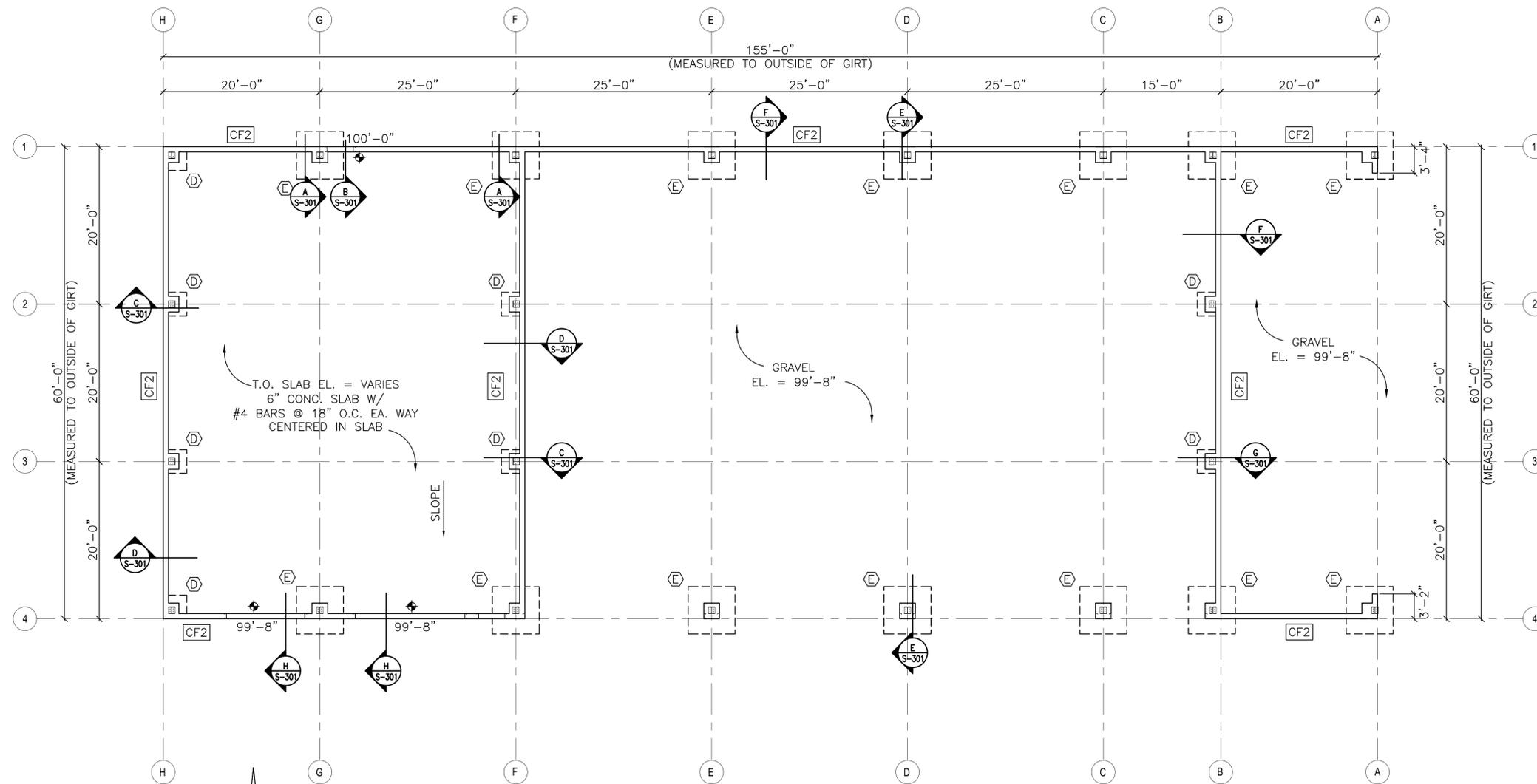
GENERAL  
 NOTES &  
 SCHEDULES  
**S-001**



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 MKEC Project No. 190108068



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**FOOTING & FOUNDATION PLAN**

SCALE: 1/8"=1'-0"  
 0 2 4 8 16

- NOTES:
1. T.O. FOOTING EL. = 99'-0" U.N.O.
  2. [XX'-XX"] = T.O. FOOTING ELEVATION.
  3. (#) = PAD FOOTING PER SCHEDULE ON SHEET S-001.
  4. [XXX] = CONTINUOUS FOOTING PER SCHEDULE ON SHEET S-001.
  5. ◆ = TOP OF SLAB ELEVATION.
  6. REFER TO 3/S-301 FOR PIER PLANS.

NOTE: SAW CUT JOINTS OR KEYED CONSTRUCTION JOINTS IN SLABS ON GRADE SHALL BE SPACED TO DIVIDE THE SLAB INTO PANELS NOT TO EXCEED 275 SQUARE FEET. THE LONGER DIMENSION OF EACH PANEL SHALL NOT EXCEED THE SHORTER DIMENSIONS BY MORE THAN 20%. JOINTS SHALL BE LOCATED AT COLUMN CENTERLINES WHERE POSSIBLE. CONTRACTOR SHALL SUBMIT JOINT LAYOUT TO ENGINEER FOR APPROVAL. REFER TO DETAILS 1/S-301 & 2/S-301.



USD 492 FLINTHILLS PUBLIC SCHOOLS  
**BUS BARN**  
 806 SE ROSALIA RD, ROSALIA, KS 67132

DESCRIPTION	DATE
PROJECT NO:	1901080688
DATE:	1/17/2020
DRAWN BY:	DJ
CHKD BY:	AW, RR

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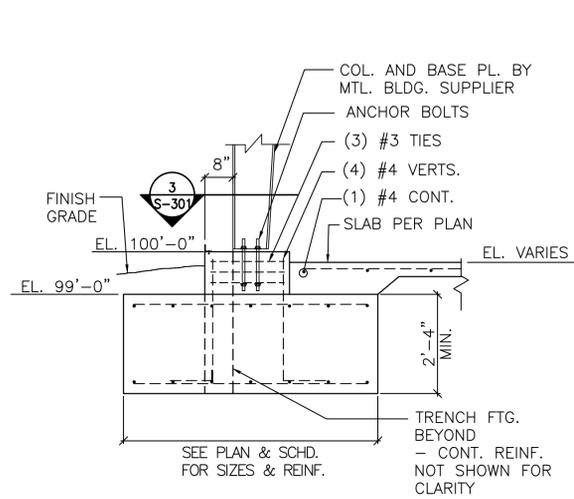
FTG & FNDN. PLAN



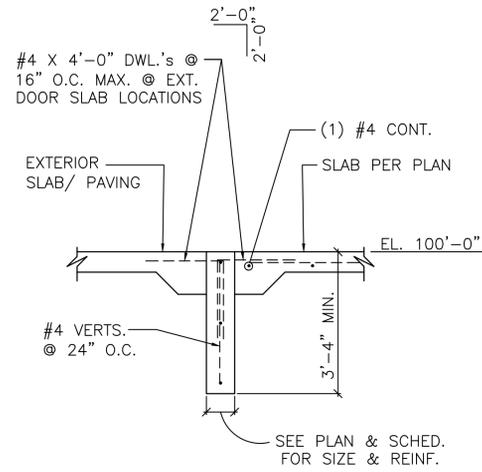
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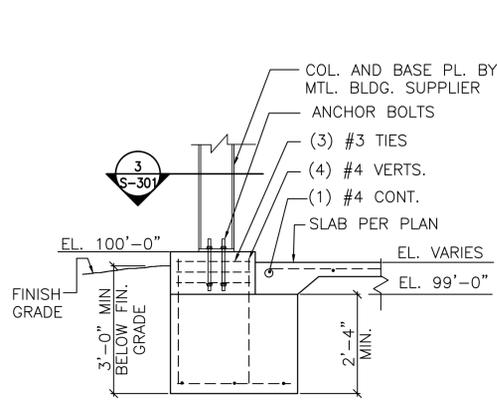
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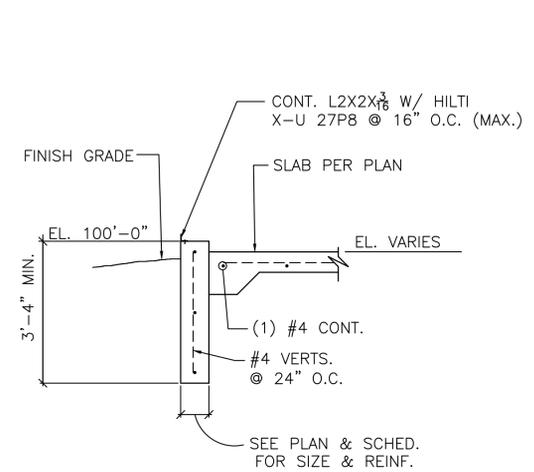
**A SECTION @ FNDN.**  
SCALE: 1/2" = 1'-0"



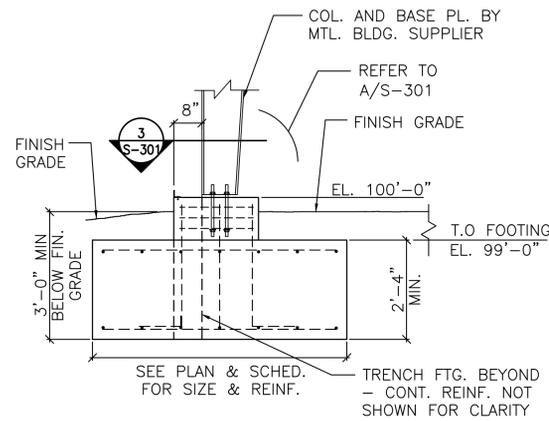
**B SECTION @ FNDN.**  
SCALE: 1/2" = 1'-0"



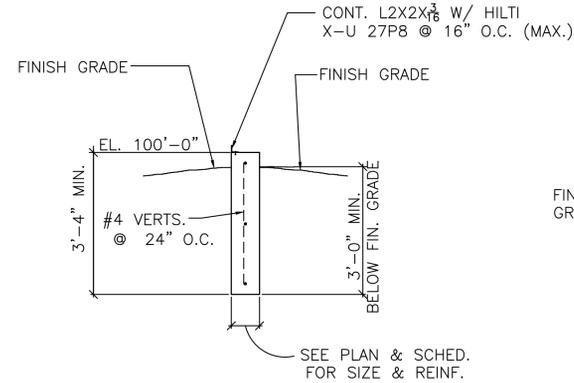
**C SECTION @ FNDN.**  
SCALE: 1/2" = 1'-0"



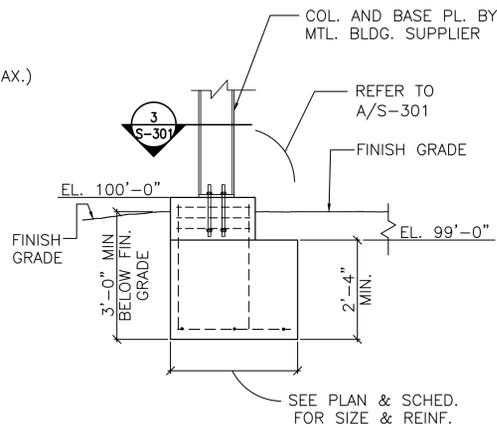
**D SECTION @ FNDN.**  
SCALE: 1/2" = 1'-0"



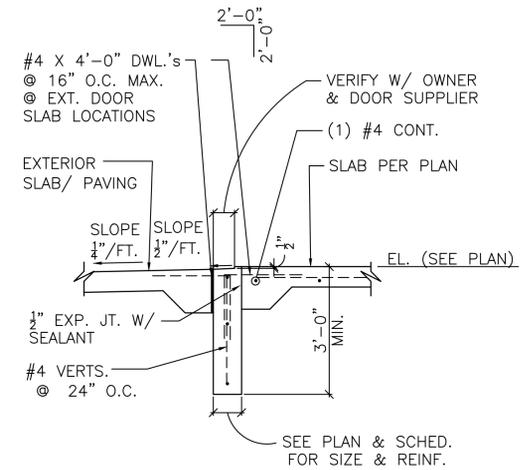
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SCALE: 1/2" = 1'-0"



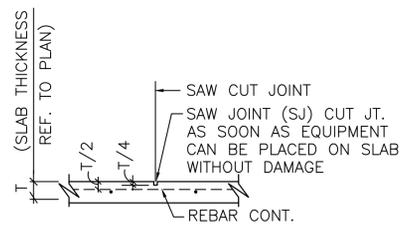
**F SECTION @ FNDN.**  
SCALE: 1/2" = 1'-0"



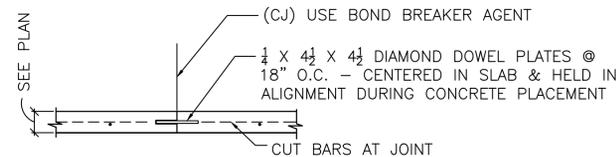
**G SECTION @ FNDN.**  
SCALE: 1/2" = 1'-0"



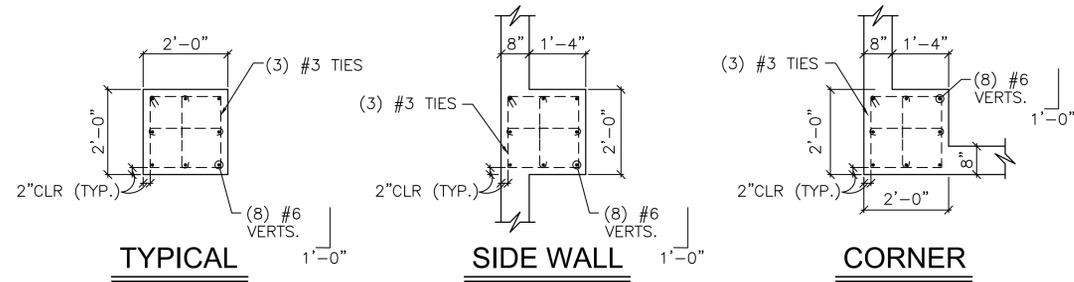
**H SECTION @ FNDN.**  
SCALE: 1/2" = 1'-0"



**1 TYP. SAW CUT JT.**  
SCALE: 1/2" = 1'-0"



**2 TYP. DOWLED CONST. JT. @ 6" SLABS**  
SCALE: 1/2" = 1'-0"



**3 PIER PLANS**  
SCALE: 1/2" = 1'-0"  
NOTE: GENERAL CONTRACTOR TO CONFIRM SIZE OF PIER WITH SIZES OF MTL. BLDG. COLUMN BASE PLATE PRIOR TO PLACING CONCRETE.



USD 492 FLINTHILLS PUBLIC SCHOOLS  
**BUS BARN**  
806 SE ROSALIA RD, ROSALIA, KS 67132

DESCRIPTION	DATE
PROJECT NO:	1901080868
DATE:	1/17/2020
DRAWN BY:	DJ
CHKD BY:	AW, RR

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FTG. & FNDN. DETAILS



**S-301**

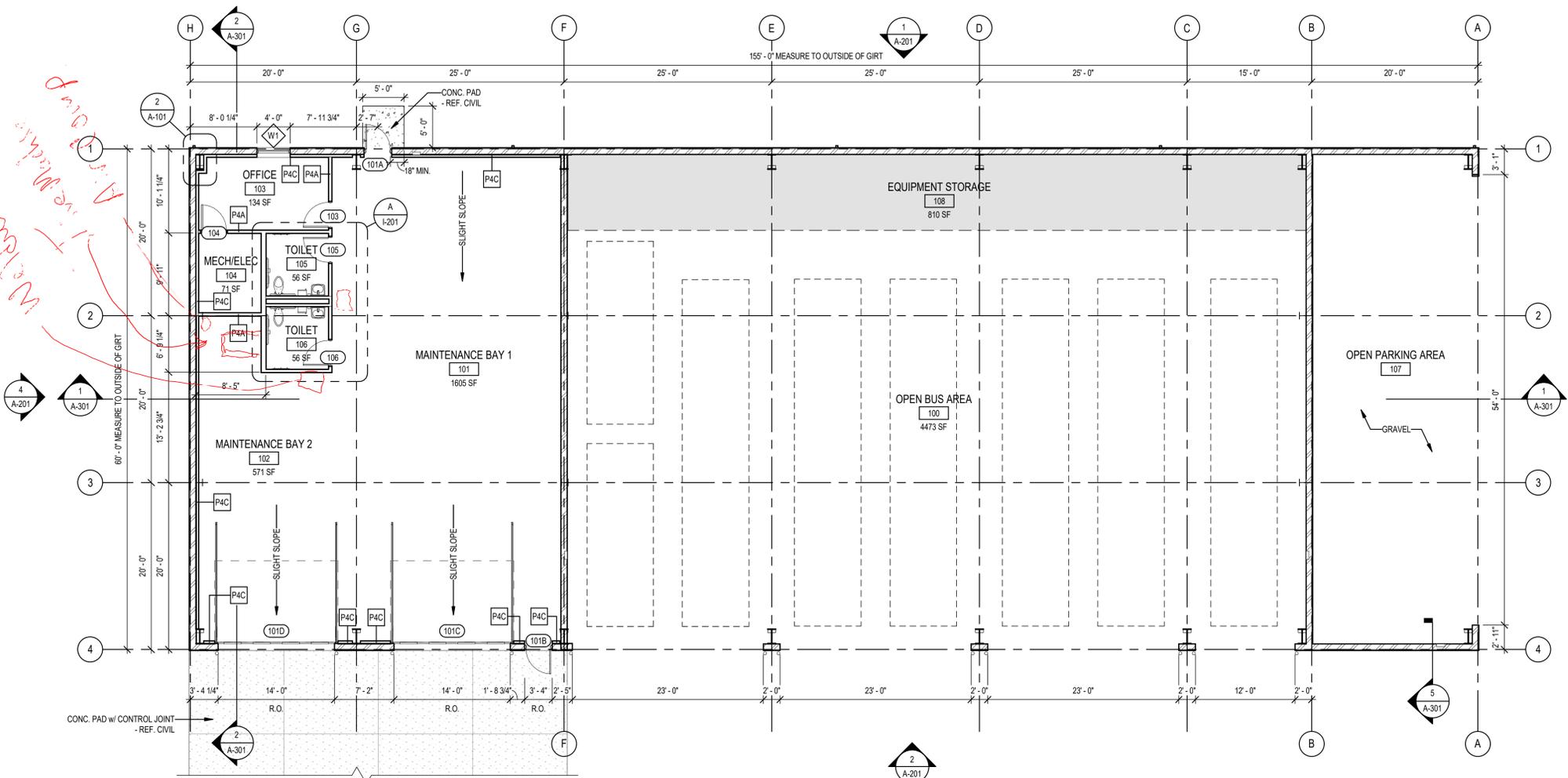
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MKEC Project No. 1901080868

**ARCH NOTES**

- THE GENERAL CONTRACTOR SHALL COORDINATE ACCESS TO AND STORAGE ON SITE WITH THE OWNER. THE GENERAL CONTRACTOR SHALL ALSO REPAIR DAMAGE TO ALL ADJACENT AREAS OCCURRING DURING CONSTRUCTION. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXCESS TRASH AND OTHER MISCELLANEOUS MATERIALS FROM THE SITE DAILY.
- PATCH ALL FLOORS, WALLS AND CEILING ALTERED DURING CONSTRUCTION AS REQUIRED TO MATCH EXISTING. PATCH ANCHOR HOLES IN MASONRY WALL WHERE ACCESSORIES HAVE BEEN MOVED AND/OR OMITTED.
- ERECT AND MAINTAIN DUST PARTITIONS AS REQUIRED FOR ALL PHASES OF CONSTRUCTION TO PREVENT DIRT, DUST OR WET SURFACES/FINISHES FROM ENTERING ADJACENT OCCUPIED SPACES.
- SCHEDULE ALL WORK PRODUCING EXCESS NOISE OR VIBRATIONS WITH OWNER TO MINIMIZE DISRUPTION TO BUILDING TENANTS. ALL WORK FOUND TO BE DISRUPTIVE SHALL BE SUSPENDED IMMEDIATELY UPON NOTICE FROM OWNER AND RESCHEDULED IN ADVANCE TO ALLOW ADVANCE NOTICE AND ALTERNATE ACCOMMODATIONS FOR TENANTS. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE WORK IN ADVANCE SO AS NOT TO DELAY THE PROGRESS OF THE WORK.
- MAINTAIN ALL EXIT PATHS FOR THE DURATION OF THE CONSTRUCTION. SCHEDULE WITH OWNER ALL WORK REQUIRING THE DISABLING OF ALL BUILDING SAFETY SYSTEMS, INCLUDING BUT NOT LIMITED TO, STANDPIPES, SPRINKLERS, FIRE ALARMS, AND SECURITY SYSTEMS. THE WORK SHALL BE SCHEDULED IN ADVANCE TO ALLOW ADVANCE NOTICE AND ALTERNATE ACCOMMODATIONS FOR TENANTS. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE WORK IN ADVANCE SO AS NOT TO DELAY THE PROGRESS OF THE WORK.
- SCHEDULE WITH OWNER ALL UTILITY SHUT DOWNS AFFECTING AREAS OF THE BUILDING BEYOND THE PROJECT LIMITS OF WORK. THE WORK SHALL BE SCHEDULED IN ADVANCE TO ALLOW ADVANCE NOTICE AND ALTERNATE ACCOMMODATIONS FOR TENANTS. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE WORK IN ADVANCE SO AS NOT TO DELAY THE PROGRESS OF THE WORK.
- ERECT AND MAINTAIN APPROPRIATE SAFETY BARRIERS AND PATHWAYS TO PROTECT AND SEPARATE PUBLIC/TENANTS FROM HAZARDOUS CONDITIONS. BARRIERS SHALL BE MAINTAINED THROUGH DURATION OF THE PROJECT TO PROHIBIT UNAUTHORIZED PERSONNEL FROM ENTERING THE CONSTRUCTION AREA/SITE.
- OWNER SHALL BE RESPONSIBLE FOR RELOCATION, INSTALLATION AND STORAGE OF EXISTING FURNITURE. CONTRACTOR SHALL NOT REPRODUCE ANY PORTION OF A CONTRACT DRAWING FOR USE IN ANY PORTION OF A SUBMITTAL.
- ALL DIMENSIONS ARE FROM THE FACE OF STUD FRAMING, FACE OF MASONRY, FACE OF CONCRETE, OR CENTER LINE OF STRUCTURAL STEEL, U.N.O..
- ALL DOORS ARE LOCATED 6 INCHES FROM THE ADJACENT PERPENDICULAR STUD WALL FRAMING AND 8 INCHES FROM THE ADJACENT PERPENDICULAR CMU WALL FRAMING TO THE HINGE SIDE OF THE DOOR OPENING, U.N.O..
- COORDINATE THE LOCATION AND INSTALLATION OF ALL MECHANICAL AND ELECTRICAL DEVICES, REGISTERS, FIXTURES, ETC. PRIOR TO INSTALLATION OF FINISH MATERIAL.
- ALL A.D.A. ACCESSIBLE WATER CLOSETS MUST BE LOCATED 18 INCHES MINIMUM FROM THE FINISHED FACE OF THE NEAREST ADJACENT WALL TO THE CENTER LINE OF THE FIXTURE, U.N.O..
- PROVIDE CONTROL JOINTS ON CONTINUOUS GYPSUM BOARD SURFACES IN EXCESS OF 30'-0" AT A MAXIMUM INCREMENT OF 30'-0" ON CENTER, U.N.O..
- PROVIDE SEALANT IN FLOOR JOINTS OF EXPOSED FINISHES PER FLOOR COATING MANUFACTURER'S RECOMMENDATIONS.
- SEE SHEET A-601 FOR PARTITION TYPES; SEE ARCHITECTURAL FLOOR PLANS FOR ADDITIONAL PARTITION IDENTIFICATION.
- REFER TO STRUCTURAL NOTES FOR ALL CAST-IN-PLACE CONCRETE AND MASONRY CONTROL JOINTS.

**R.C.P. NOTES**

- SEE ROOM FINISH SCHEDULE SHEET I-601 FOR CEILING TYPES AND MATERIALS IN EACH ROOM/AREA.
- PERIMETER TRACK FOR ALL ACOUSTICAL CEILING GRIDS SHALL BE INSTALLED IN ACCORDANCE WITH IBC AND CISCA GUIDELINES.
- ALL DIMENSIONS ARE FROM FACE OF FINISH MATERIAL.
- CEILING GRIDS/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER DIMENSION.
- CEILING HEIGHTS SHOWN ON THE REFLECTED CEILING PLANS ARE NON-TYPICAL AND SPECIFIC TO THE AREA INDICATED. SEE INTERIOR ELEVATIONS FOR SOFFIT HEIGHTS ABOVE CASEWORK, U.N.O.
- SEE ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING, AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH CEILING LAYOUT SHOWN ON THIS SHEET.
- LIGHT FIXTURES, HVAC DIFFUSERS, AND SPECIAL SYSTEMS ARE SHOWN FOR POSITIONING WITHIN FINISH CEILING LAYOUT. COORDINATE WITH ELECTRICAL, MECHANICAL, AND SPECIAL SYSTEMS DRAWINGS FOR FIXTURE TYPES, LOCATIONS, SIZES, AND SCHEDULES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR MOUNTING LOCATIONS OF ITEMS WHERE NO CEILING IS INDICATED.
- CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, GENERAL ALARM, AND MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED, U.N.O..
- INSTALL ACCESS PANELS IN GYP BD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, ETC.
- LIGHT FIXTURES LOCATED AT STAIRS SHALL OCCUR AT EACH FLOOR AND INTERMEDIATE LANDINGS.
- LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.

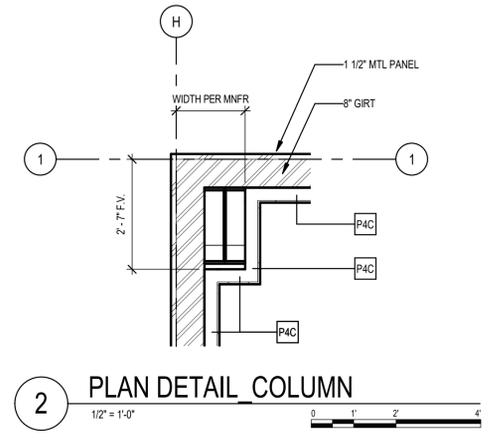


**A FLOOR PLAN**  
 1/8" = 1'-0"

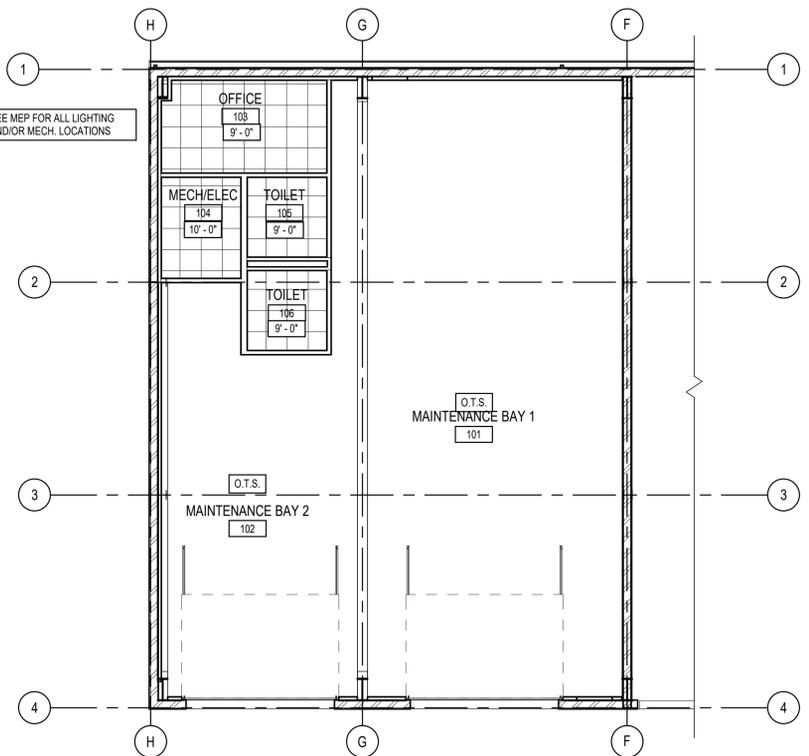


**CEILING PLAN LEGEND**

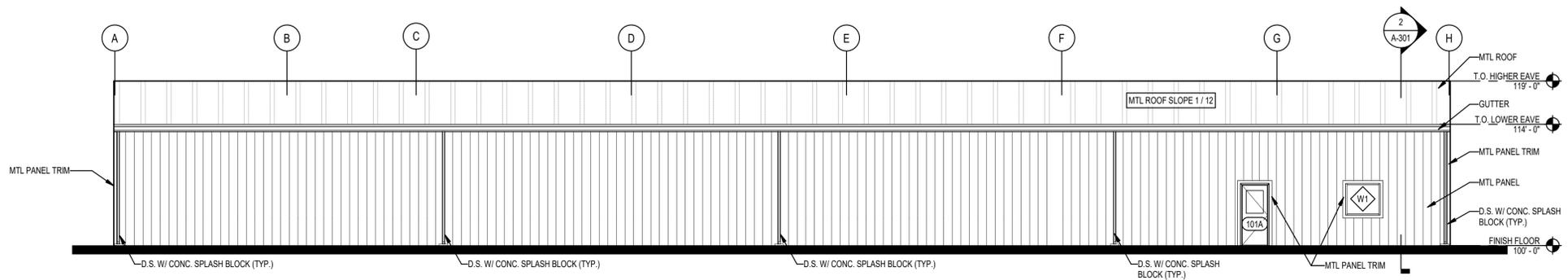
	PLASTER, GYPSUM OR PORTLAND CEMENT		LIGHT FIXTURE, RECESSED FLUORESCENT A (2x4)
	TILE, ACOUSTICAL CEILING		LIGHT FIXTURE, RECESSED FLUORESCENT B (1x4)
	CEILING ELEVATION TAG		LIGHT FIXTURE, SURFACE MOUNTED FLUORESCENT A (2x4)
	RETURN AIR, CEILING		LIGHT FIXTURE, SURFACE MOUNTED FLUORESCENT B (1x4)
	SUPPLY AIR, CEILING		LIGHT FIXTURE, SURFACE MOUNTED FLUORESCENT C (1x8)
	LIGHT FIXTURE, FLUORESCENT EMERGENCY		EMERGENCY LIGHTING, ONE EMERGENCY BATTERY POWER
	EXIT SIGN, CEILING MOUNTED WITH DIRECTIONAL ARROW		EMERGENCY LIGHTING, THREE EMERGENCY BATTERY POWER
	LIGHT FIXTURE, INCANDESCENT, CEILING MOUNTED		HEAT DETECTOR
			SMOKE DETECTOR



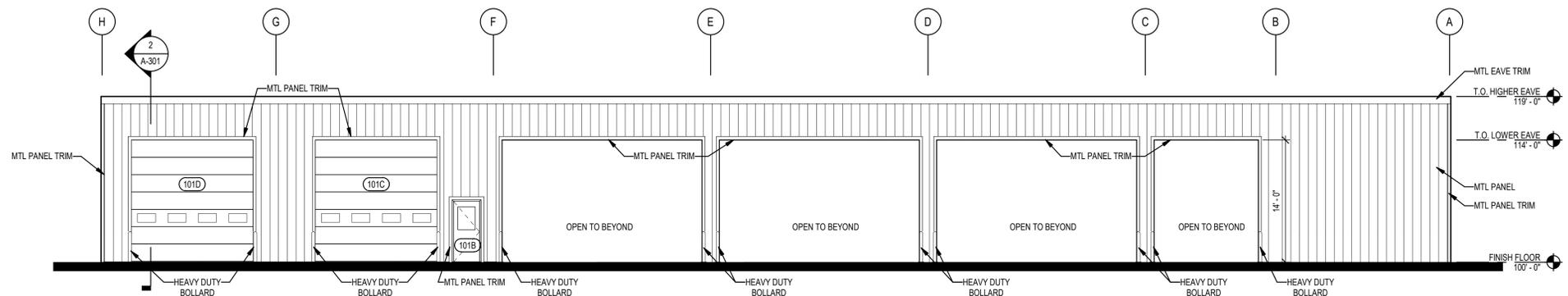
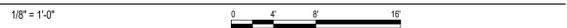
**2 PLAN DETAIL COLUMN**  
 1/2" = 1'-0"



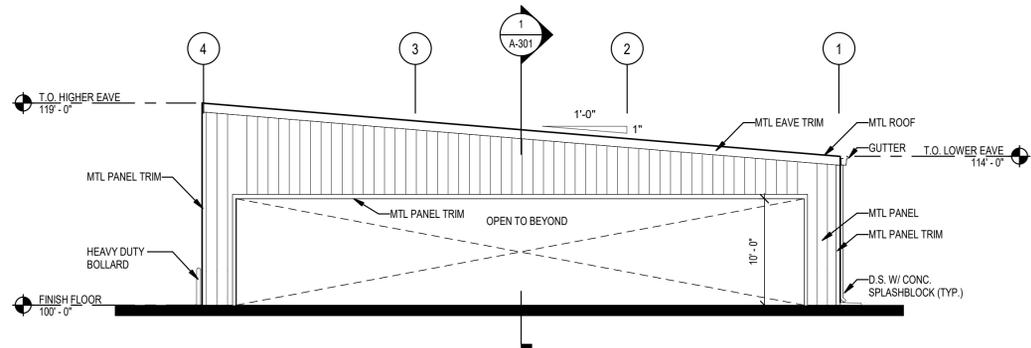
**B REFLECTED CEILING PLAN**  
 1/8" = 1'-0"



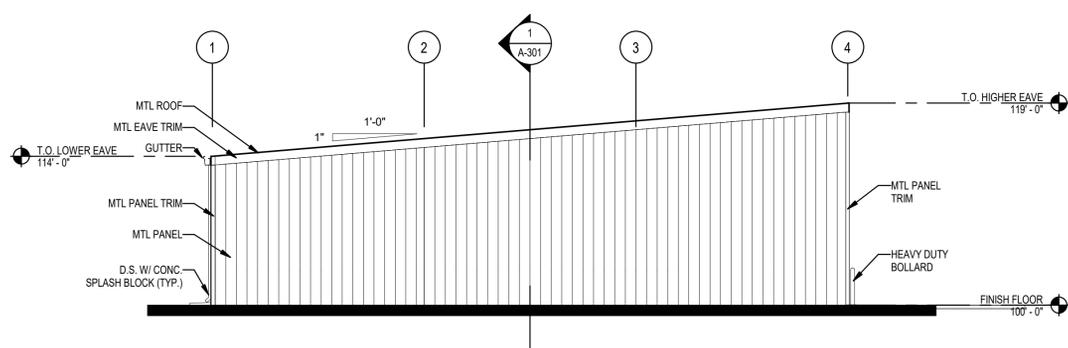
1 NORTH ELEVATION



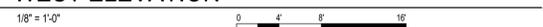
2 SOUTH ELEVATION



3 EAST ELEVATION



4 WEST ELEVATION



FILE PATH: BIM\_360/1802-19011\_DCS-Flinthills\_USD492-FLINTHILLS\_BUSBARN\_V19.rvt



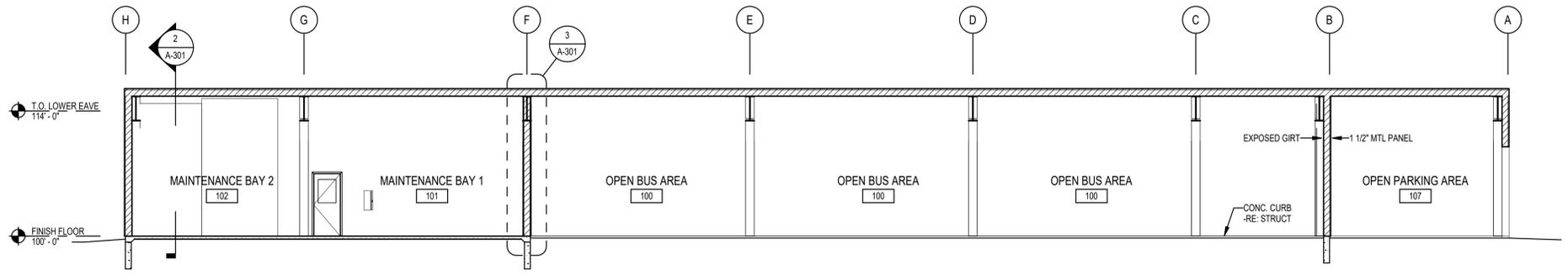
USD 492 FLINTHILLS PUBLIC SCHOOLS  
**BUS BARN**  
 806 SE ROSALIA RD, ROSALIA, KS 67132

DESCRIPTION	DATE
PROJECT NO:	1802-19011
DATE:	1/31/2020
DRAWN BY:	Author
CHKD BY:	Checker

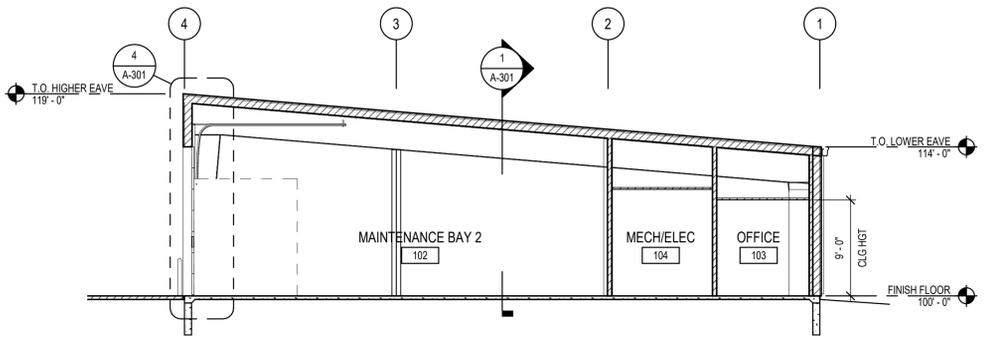
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ELEVATIONS

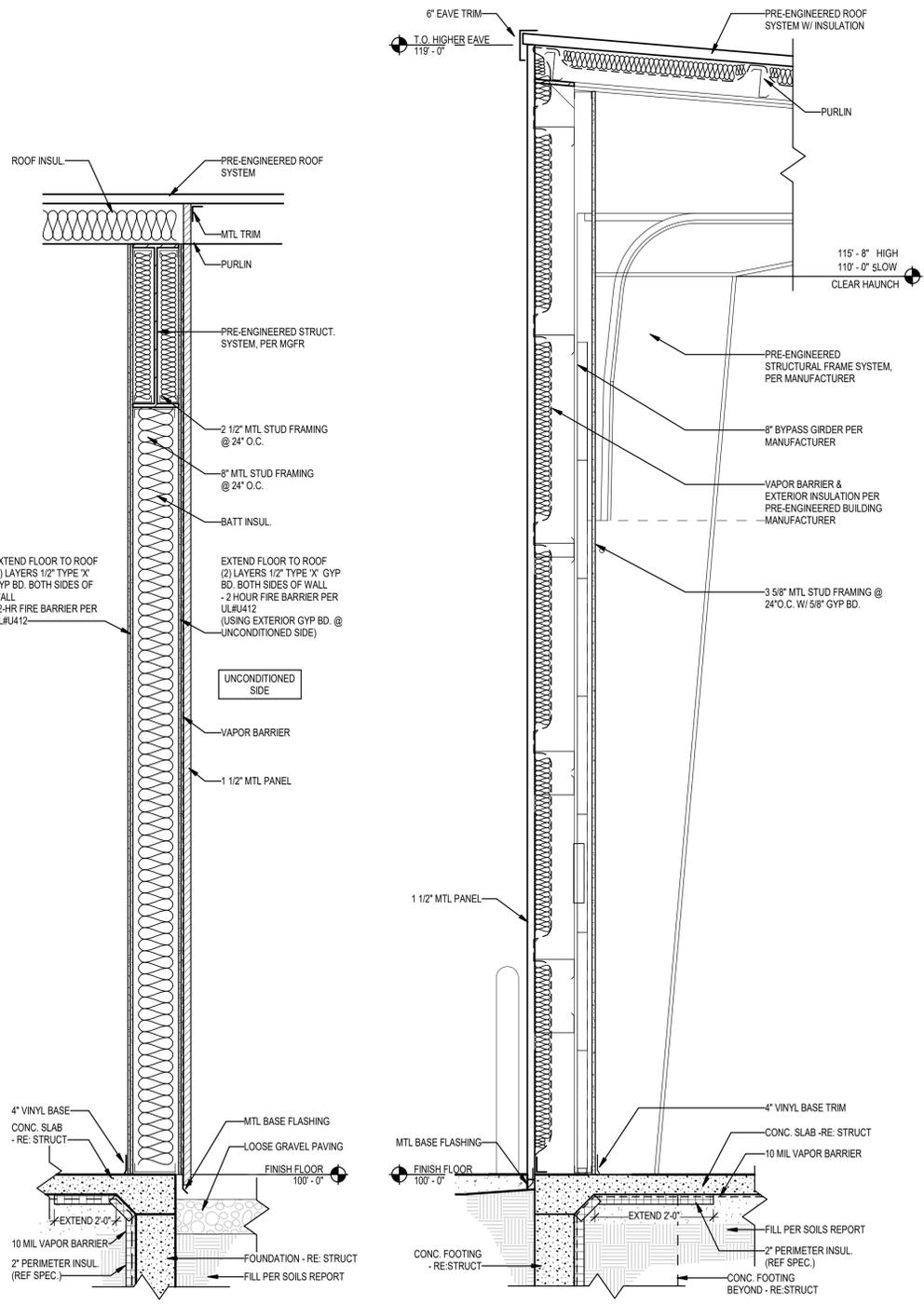
A-201



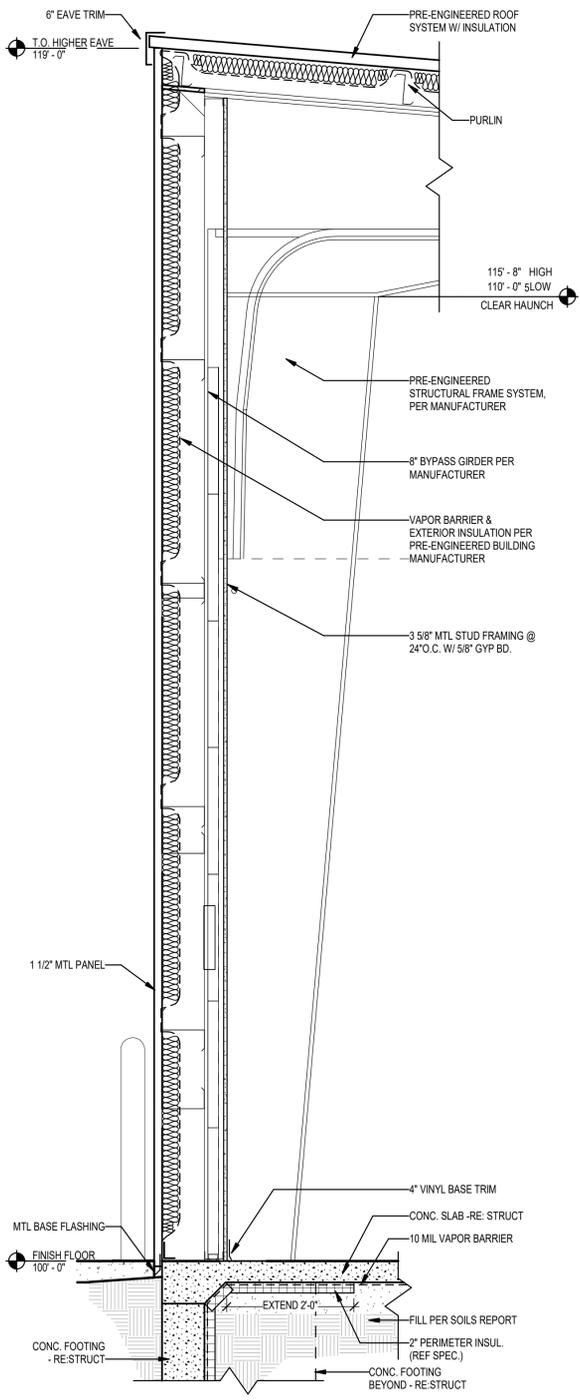
**1 BUILDING SECTION 1**  
 1/8" = 1'-0"  
 0 4 8 16



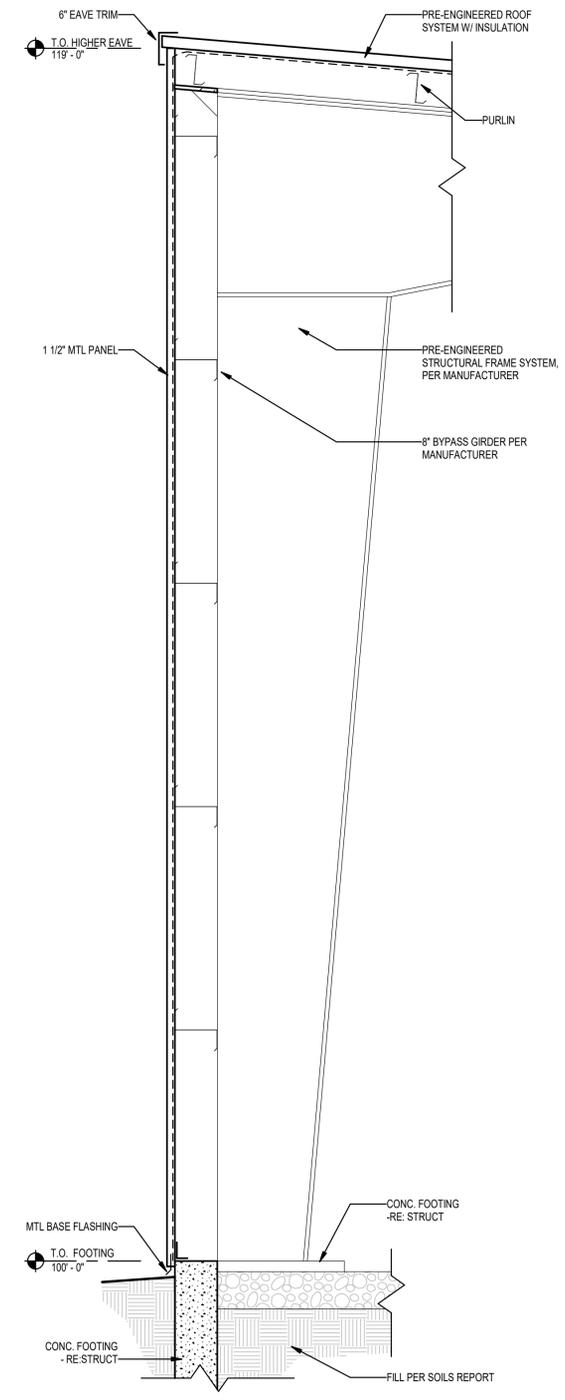
**2 BUILDING SECTION 2**  
 1/8" = 1'-0"  
 0 4 8 16



**3 WALL SECTION**  
 3/4" = 1'-0"  
 0 1 2 3



**4 WALL SECTION**  
 3/4" = 1'-0"  
 0 1 2 3



**5 WALL SECTION**  
 3/4" = 1'-0"  
 0 1 2 3

USD 492 FLINTHILLS PUBLIC SCHOOLS  
**BUS BARN**  
 806 SE ROSALIA RD, ROSALIA, KS 67132

DESCRIPTION	DATE
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**BUILDING SECTIONS**

**A-301**

MARK	DOOR				FRAME				HARDWARE SET NO.	NOTES
	SIZE		MATL	EL	DETAIL					
	W	HT			HEAD	JAMB	SILL			
101A	3'-0"	7'-0"	HM	C	HM	1	2/A-601	3/A-601	4/A-601	
101B	3'-0"	7'-0"	HM	C	HM	1	2/A-601	3/A-601	4/A-601	
101C	14'-0"	14'-0"	STL	D	STL	2	5/A-601	6/A-601	-	
101D	14'-0"	14'-0"	STL	D	STL	2	5/A-601	6/A-601	-	
103	3'-0"	7'-0"	HM	B	HM	1	1/A-601	1/A-601	-	
104	3'-0"	7'-0"	HM	A	HM	1	1/A-601	1/A-601	-	
105	3'-0"	7'-0"	HM	A	HM	1	1/A-601	1/A-601	-	
106	3'-0"	7'-0"	HM	A	HM	1	1/A-601	1/A-601	-	

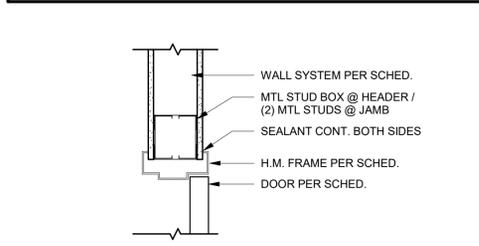
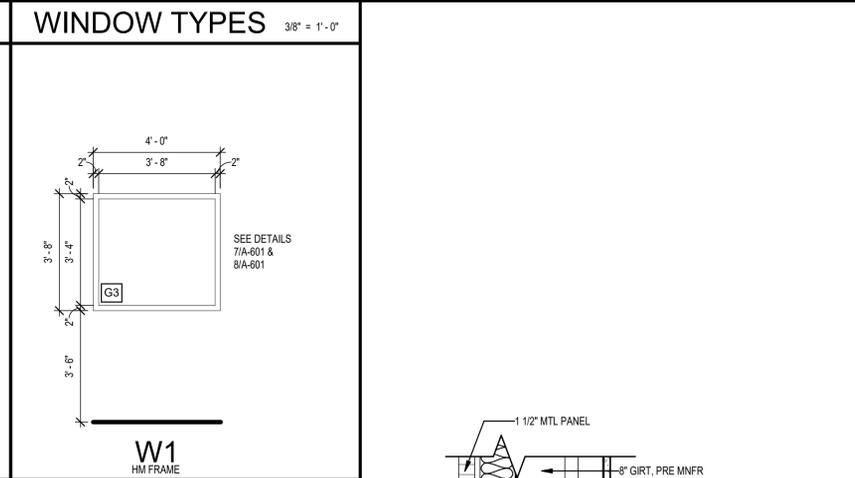
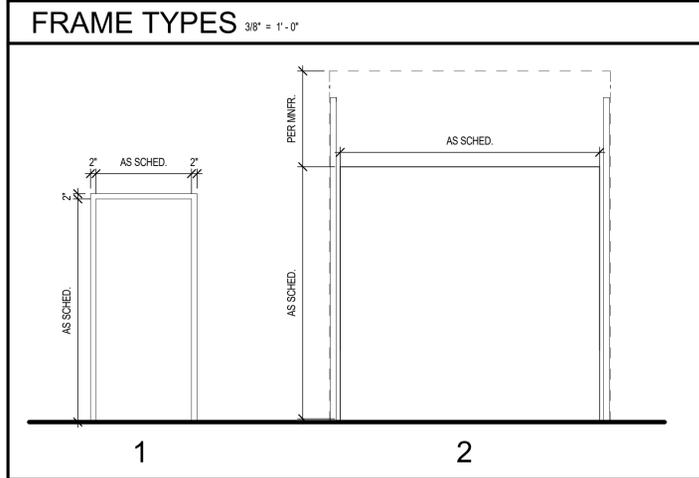
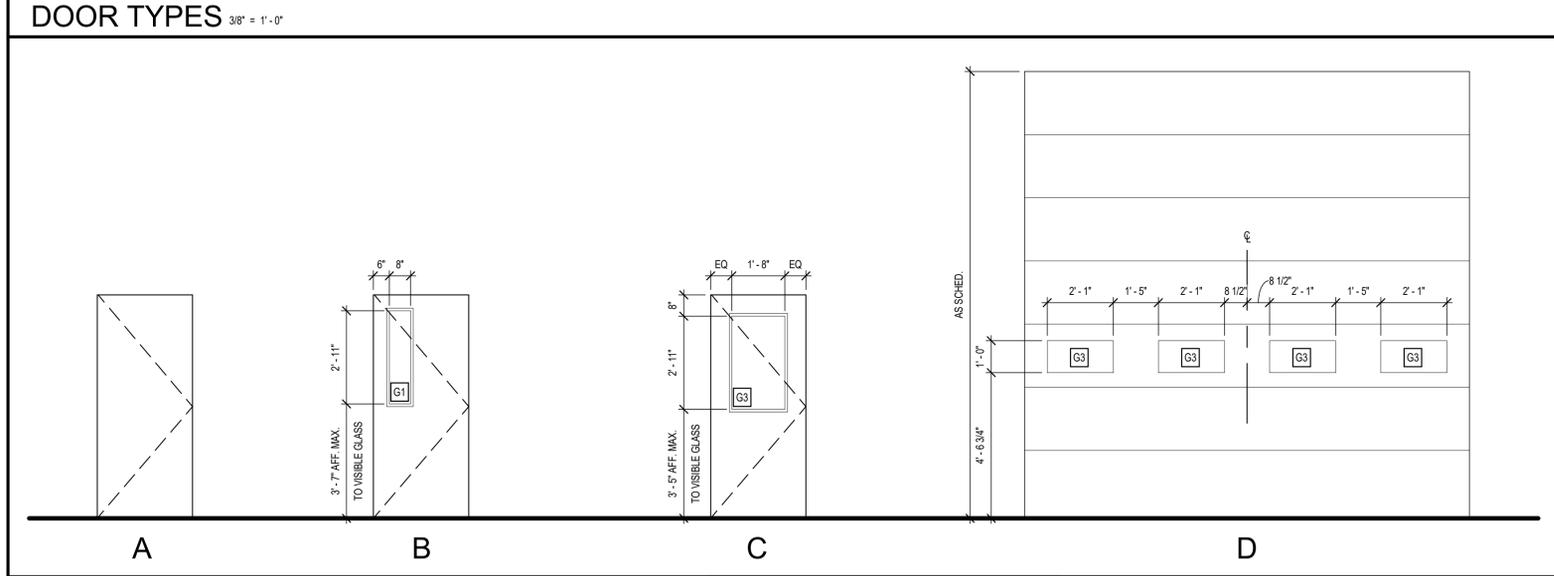
GLAZING SCHEDULE	
G1	CLEAR 1/4" TEMPERED GLASS.
G2	NOT USED
G3	1" O/A = 1/4" TEMPERED TINTED LOW E GLASS, 1/2" AIR SPACE FILLED W/ KRYTON GAS, 1/4" TEMPERED GLASS CLEAR.

SHEET NOTES	
A.	REFER ASTM C754 AND SSMA FOR STEEL STUD LIMITING HEIGHT CHARACTERISTICS

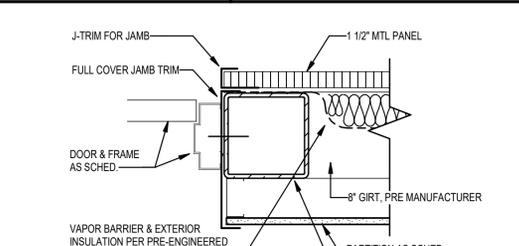
STUD GAUGE NOTES	
1.	USE THESE CHARTS TO DETERMINE THE REQUIRED STUD GAUGE FOR THE VARIOUS INTERIOR PARTITION TYPES. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR EXTERIOR WALL AND/OR LIGHT GAUGE (CFMF) REQUIREMENTS.
2.	REFER TO STRUCTURAL FOR ADDITIONAL REQUIREMENTS.
3.	AT GENERAL CONTRACTORS OPTION STUD GAUGES MAY BE ENGINEERED BY A REGISTERED PROFESSIONAL IN THE STATE OF THIS PROJECT.
4.	ABOVE CEILING BRACING (@ NOT LESS THAN 4' - 0" OC) IS PERMITTED FOR NON-FIRE RATED PARTITIONS TO HELP REDUCE THE UNBRACED LENGTH OF PARTITION. PROVIDE HORIZONTAL STUD CHANNEL STRONGBACK.

PARTITION NOTES	
1.	STUD SPACINGS SHALL BE 16" O.C. UNLESS NOTED OTHERWISE.
2.	REFER TO UNBRACED LENGTH/LIMITING HEIGHT CHARTS FOR STUD GAUGE REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR USE OF HEAVIER LIGHT GAUGE METAL FRAMING IN LIEU OF THOSE SHOWN.
3.	REFERENCE THE BUILDING CODE PLAN SHEETS FOR FIRE RATED AND SMOKE PARTITION INFORMATION.
4.	PENETRATIONS, INCLUDING BUT NOT LIMITED TO PIPING, ELECTRICAL ACCESS, OR AIR DISTRIBUTION, SHALL MEET THE REQUIREMENTS OF UL DESIGN REQUIREMENTS FOR WALLS AND PENETRATION OF RATED WALLS. REFERENCE THE BUILDING CODE PLANS FOR ADDITIONAL INFORMATION.
5.	FOR ALL INSULATED CONCRETE FORM PARTITIONS, PROVIDE TYPE X GYPSUM BOARD ON EACH SIDE PER CHAPTER 26 OF THE INTERNATIONAL BUILDING CODE.
6.	REFERENCE ENLARGED INTERIOR ELEVATIONS FOR ADDITIONAL WALL FINISH INFORMATION.
7.	REFERENCE ROOM FINISH SCHEDULE FOR WALL SUBSTRATE INFORMATION.
8.	INSTALL TYPE "X" MOISTURE RESISTANT BOARD @ ALL PLUMBING FIXTURES.
9.	INSTALL CEMENTITIOUS BACKER BOARD @ ALL AREAS TO RECEIVE TILE.

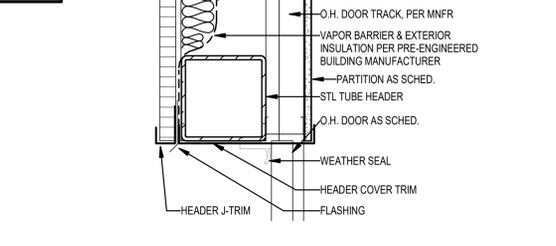
UNBRACED LENGTH/LIMITING HEIGHTS FOR INTERIOR STUDS - 1 HR FIRE-RATED PARTITIONS AND NON-RATED...		
STUD SIZE	STUD GAUGE	LIMITING HEIGHT
2 1/2"	25	9' - 9"
2 1/2"	22	10' - 6"
2 1/2"	20	11' - 6"
3 5/8"	25	12' - 9"
3 5/8"	22	14' - 0"
3 5/8"	20	15' - 0"
6"	25	18' - 9"
6"	22	20' - 9"
6"	20	23' - 3"
8"	25	25' - 9"
8"	22	28' - 3"
8"	20	30' - 3"



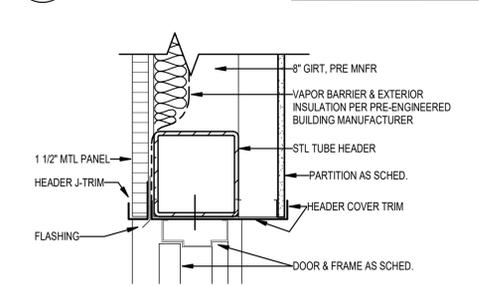
1 INT HM DOOR HD / JAMB DTL SIM  
1 1/2" = 1'-0"



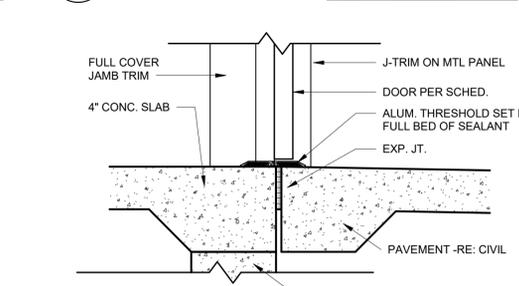
3 HM DOOR JAMB DTL  
1 1/2" = 1'-0"



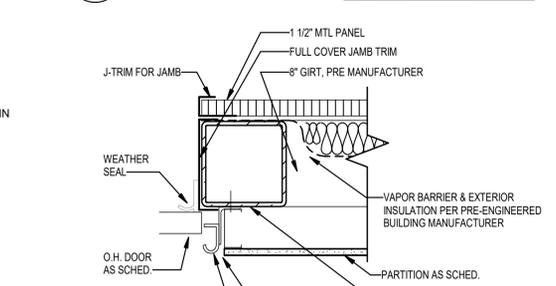
5 O.H. DOOR HD DTL  
1 1/2" = 1'-0"



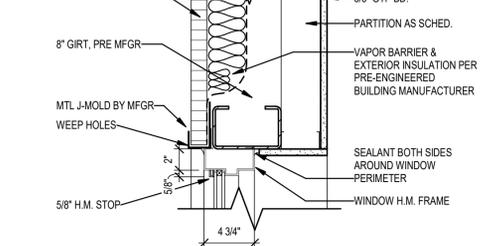
2 HM DOOR HD DTL  
1 1/2" = 1'-0"



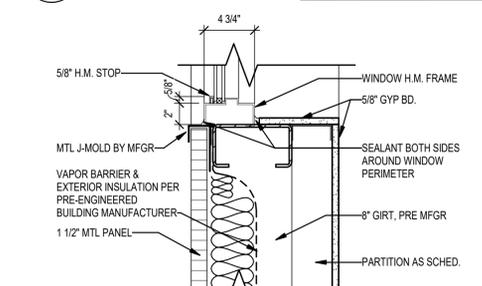
4 HM DOOR SILL DTL  
1 1/2" = 1'-0"



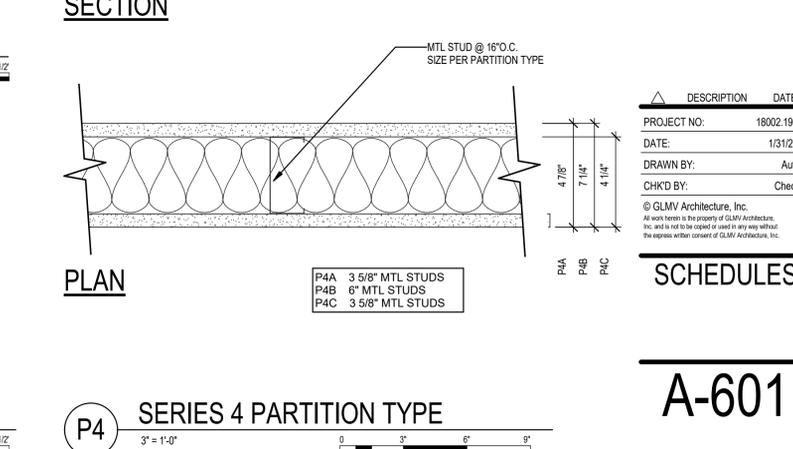
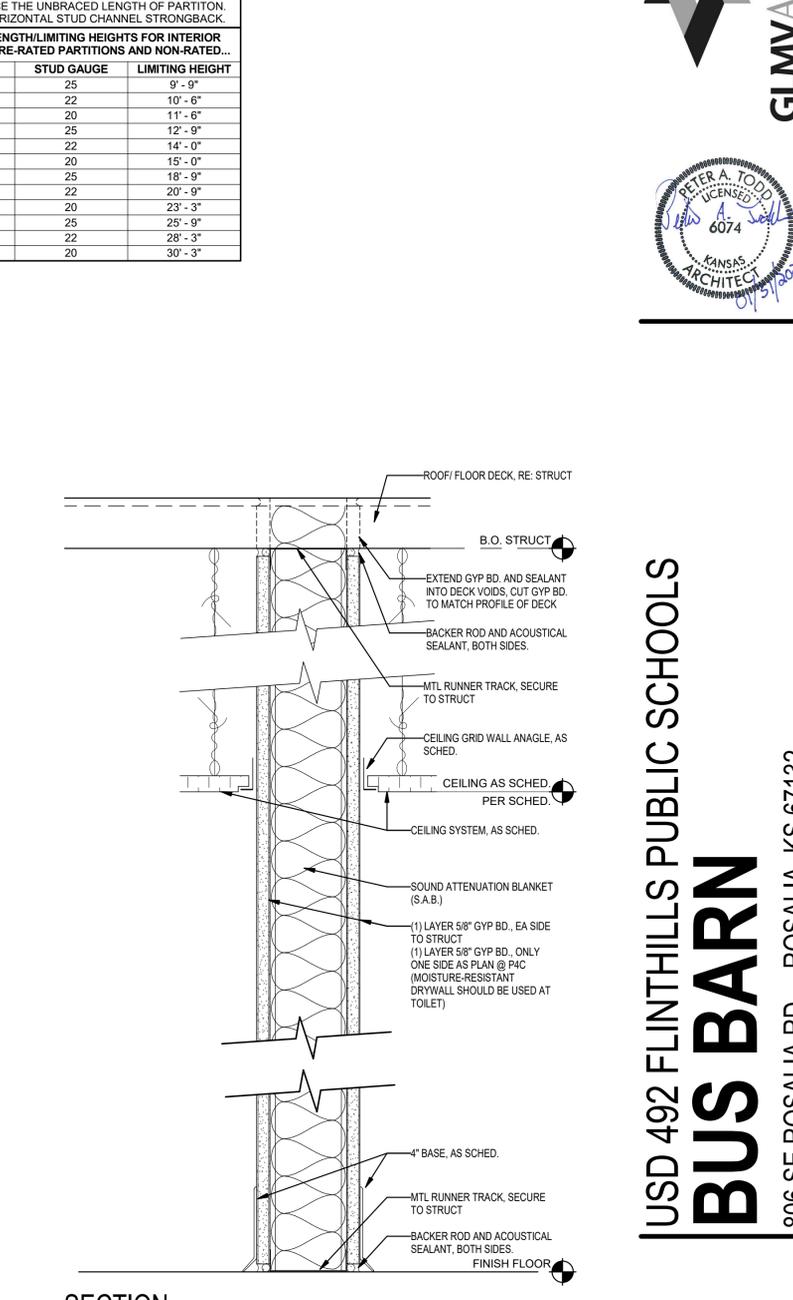
6 O.H. DOOR JAMB DTL  
1 1/2" = 1'-0"



7 EXT WINDOW HM HD & JAMB DTL  
1 1/2" = 1'-0"



8 EXT WINDOW HM SILL DTL  
1 1/2" = 1'-0"



USD 492 FLINTHILLS PUBLIC SCHOOLS  
**BUS BARN**  
806 SE ROSALIA RD, ROSALIA, KS 67132

DESCRIPTION	DATE
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DATE:	1/31/2020
DRAWN BY:	Author
CHKD BY:	Checker

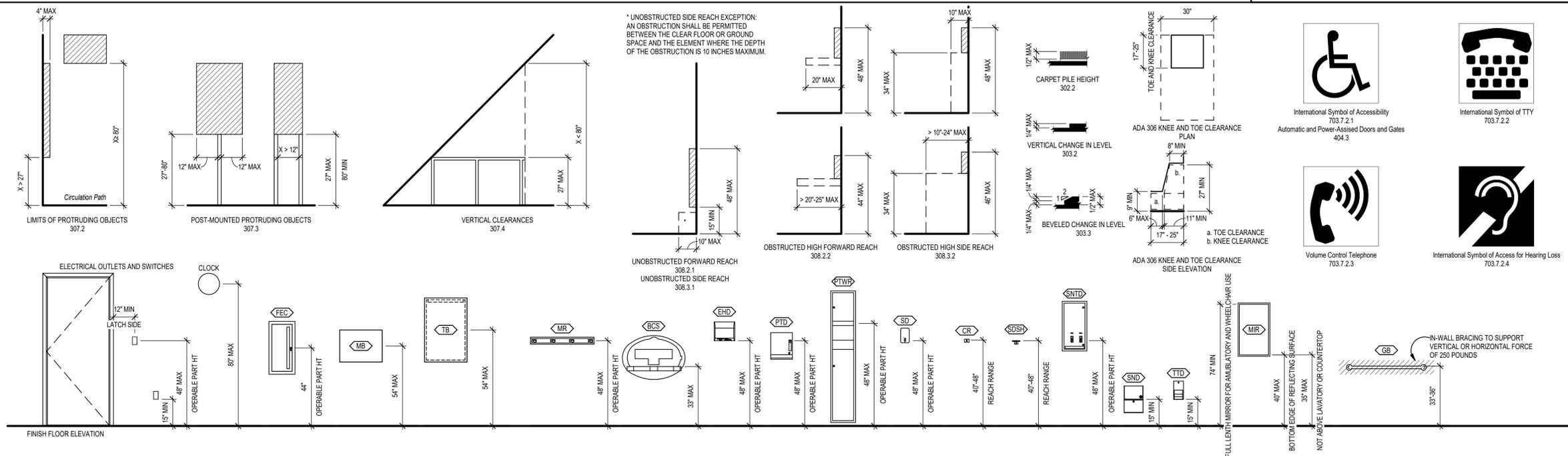
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**SCHEDULES**

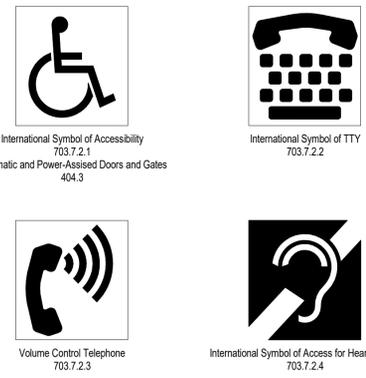
**A-601**

FILE PATH: S:\6807\18002.19011\_DCS-Fin\mills\_USD492FLINTHILLS\_BUSBARN\_V19.rvt

# TYPICAL MOUNTING HEIGHTS



# SYMBOLS OF ACCESSIBILITY

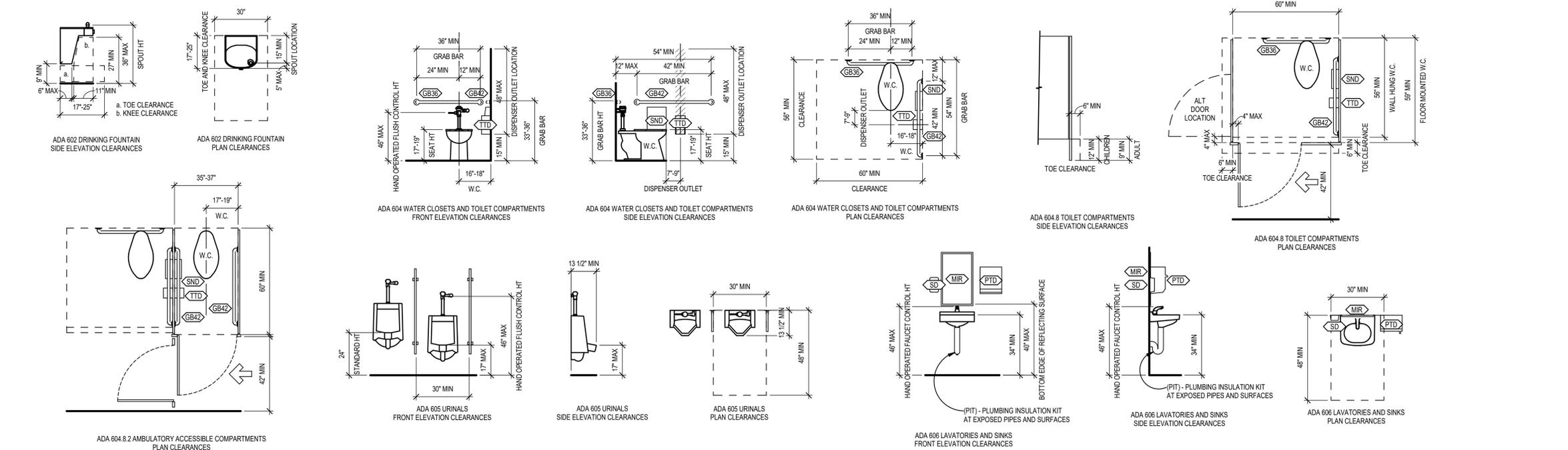


# SHEET NOTES

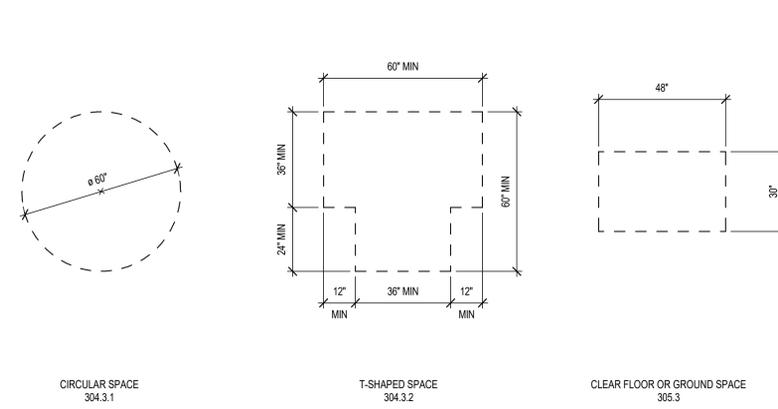
- THESE ARE TYPICAL DIAGRAMS INTENDED TO SHOW MOUNTING HEIGHTS, DIMENSIONS, SPATIAL REQUIREMENTS, ETC. FOR BOTH ACCESSIBLE AND NON-ACCESSIBLE FIXTURES AND ACCESSORIES.
- NOT ALL DEVICES, FIXTURES, ACCESSORIES, ETC. THAT ARE SHOWN IN THESE DIAGRAMS ARE APPLICABLE TO THIS PROJECT. REFER TO ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS, ROOM FINISH SCHEDULE, MEP DWGS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION AND IDENTIFICATION OF WHICH SPECIFIC DEVICES, FIXTURES AND ACCESSORIES ARE INCLUDED UNDER THIS CONTRACT.
- COMPLY WITH THE MOUNTING HEIGHTS SHOWN ON THESE DIAGRAMS UNLESS SPECIFICALLY DIMENSIONED ELSEWHERE ON THESE DRAWINGS.
- ALL DIMENSIONS ARE FROM FACE OF FINISH MATERIAL.



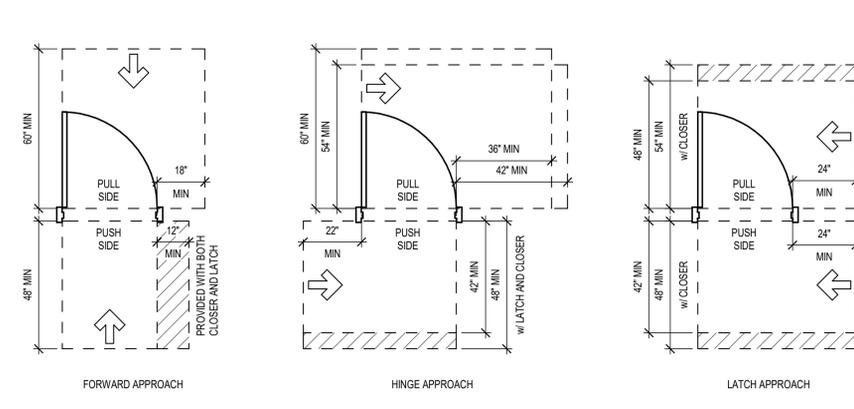
# PLUMBING ELEMENTS AND FACILITIES



# CLEAR FLOOR AND GROUND SPACE



# DOOR MANEUVERING CLEARANCES



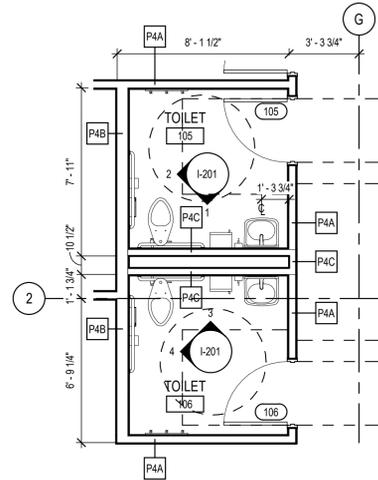
# SPECIALTIES / ACCESSORIES SCHEDULE

MARK	ITEM	DESCRIPTION
CR	COAT RACK - 3 HOOK	24" EA. PER TOILET ROOM, MTD PER ADA, REF SPECIFICATIONS
FE	Dry Chemical Portable Fire Extinguisher	
FEC	FIRE EXTINGUISHER CABINET	
GB36	GRAB BAR 36" LENGTH	36" EA. PER ACCESSIBLE STALL, MTD PER ADA, TYP, REF SPECIFICATIONS
GB42	GRAB BAR 42" LENGTH	42" EA. PER ACCESSIBLE STALL, MTD PER ADA, TYP, REF SPECIFICATIONS
MIR	MIRROR	24" x 36", REF SPECIFICATIONS
PTD	PAPER TOWEL DISPENSER	RECESSED, HIGH CAPACITY, REF SPECIFICATIONS
SD	SOAP DISPENSER	SURFACE MOUNTED SOAP DISPENSER, REF SPECIFICATIONS
SND	SANITARY NAPKIN DISPOSAL	RECESSED SIDE WALL, ALL SINGLE WOMEN STALLS OR UNISEX, REF SPECIFICATIONS
TTD	TOILET TISSUE DISPENSER	SURFACE MOUNTED TOILET TISSUE DISPENSER, REF SPECIFICATIONS
PIT	PIPE INSULATION KIT	

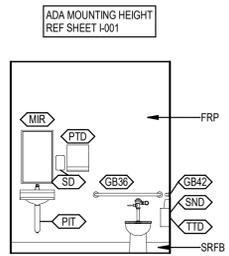
DESCRIPTION	DATE
PROJECT NO:	18002.19011
DATE:	1/31/2020
DRAWN BY:	Author
CHKD BY:	Checker

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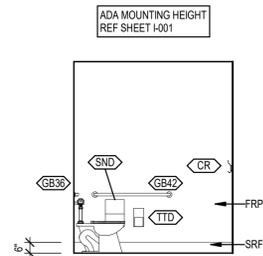
USD 492 FLINTHILLS PUBLIC SCHOOLS  
**BUS BARN**  
806 SE ROSALIA RD, ROSALIA, KS 67132



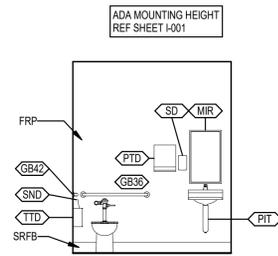
**A ENLARGED RR PLAN**  
1/4" = 1'-0"



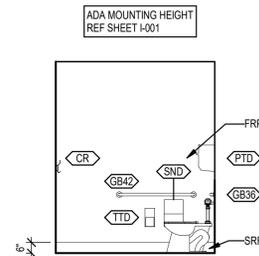
**1 TOILET ELEVATION**  
1/4" = 1'-0"



**2 TOILET ELEVATION**  
1/4" = 1'-0"



**3 TOILET ELEVATION**  
1/4" = 1'-0"



**4 TOILET ELEVATION**  
1/4" = 1'-0"

**ROOM FINISH SCHEDULE**

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL FINISH	EAST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH	CEILING FINISH	REMARKS
100	OPEN BUS AREA								UNFINISHED
101	MAINTENANCE BAY 1	CONC	RB	PNT	PNT	PNT	PNT	OTS	
102	MAINTENANCE BAY 2	CONC	RB	PNT	PNT	PNT	PNT	OTS	
103	OFFICE	VCT	RB	PNT	PNT	PNT	PNT	ACT	
104	MECH/ELEC	CONC	RB	PNT	PNT	PNT	PNT	ACT	
105	TOILET	SRF	SRFB	FRP	FRP	FRP	FRP	ACT2	
106	TOILET	SRF	SRFB	FRP	FRP	FRP	FRP	ACT2	
107	OPEN PARKING AREA								UNFINISHED
108	EQUIPMENT STORAGE								UNFINISHED

**GENERAL INTERIOR NOTES**

- A. ALL EXPOSED CONCRETE FLOORS TO BE SEALED UNLESS NOTED OTHERWISE.
- B. ALL GYPSUM BOARD SOFFITS AND FURR DOWNS ARE PAINTED, UNLESS NOTED OTHERWISE.
- C. ALL FLOOR FINISH CHANGES AT DOORWAYS TO OCCUR UNDER CENTERLINE OF DOOR, U.N.O.
- D. REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHTS.
- E. ALL METAL DOORS & FRAMES TO BE FACTORY PRIMED AND FIELD PAINTED, U.N.O.
- F. ALL RESILIENT BASE CORNERS TO BE PREFORMED.
- G. ALL METAL WINDOW FRAMES & SIDELIGHTS SHALL BE PAINTED, U.N.O.
- H. REFER TO PAINT SPECIFICATION AND FINISH CODES FOR ALL PAINT SHEENS AND FINISHES.
- I. FURNISH AND INSTALL WALL BASE AROUND ALL STATIONARY CASEWORK AND MILLWORK.
- J. ALL EXPOSED PLUMBING PIPES UNDER ADA ACCESSIBLE SINKS SHALL RECEIVE A PLUMBING INSULATION KIT (PIK). REFER TO SPECIALTIES/ACCESSORIES SCHEDULE AND SPECIFICATIONS.
- K. RESILIENT BASE SHALL EXTEND ON WALLS BEHIND ALL MOBILE CASEWORK.
- L. FLOOR MATERIAL TO CONTINUE UNDER OPEN CABINETS & COUNTERTOPS.

**FINISH CODES**

MATERIAL	Comments	OTHER
<b>BASE</b>		
RB	RESILIENT BASE	ROPPE/ 700 SERIES/ 148 STEEL GRAY/ 4" COVE
SRFB	SEAMLESS RESIN (INTEGRAL COVE)	TENNANT/ Eco-DFS 1/16" MICRO FLAKE/ SCHIST/ INTEGRAL COVE 6"H
<b>CEILING</b>		
ACT	ACOUSTIC PANEL	ARMSTRONG/ CIRRUS/ BEVELED TEGULAR EDGE/ 2'x2' 9/16" GRID
ACT2	ACOUSTIC CEILING TILE	ARMSTRONG/ KITCHEN ZONE/ SQ EDGE/ 2'x2' 15/16" GRID
GYP	GYPSUM BOARD	SEE PNTC
OTS	OPEN TO STRUCTURE	
PNTC	PAINT - CEILING	SHERWIN WILLIAMS/ SW7757 HIGH REFLECTIVE WHITE 256-C1/ FLAT
<b>FLOORS</b>		
CONC	CONCRETE	SEALED CONCRETE WITH HARDENER
SRF	SEAMLESS RESIN FLOORING	TENNANT/ Eco-DFS 1/16" MICRO FLAKE/ SCHIST
VCT	VINYL COMPOSITION TILE	ARMSTRONG/ STANDARD EXCELON/ 51861 SOFT WARM GRAY/ 12"x12"
<b>MISCELLANEOUS</b>		
TS1	TRANSITION STRIP	PROFILE TO MATCH CONDITION
<b>SURFACE</b>		
PLAM1	PLASTIC LAMINATE (CABINET)	FORMICA/ SARUM TWILL 8827-58
SS	STAINLESS STEEL	NON-DIRECTIONAL/ MATTE FINISH
<b>WALLS</b>		
FRP	FIBER REINFORCED PANEL	CRANE COMPOSITES/ 636 MORNING MIST GRAY/ SANDSTONE TEXTURE/ 4'x8', .09" T/ CLASS C
PNT	PAINT	SHERWIN WILLIAMS/ SW7071 GRAY SCREEN 235-C1/ EGG SHELL



USD 492 FLINTHILLS PUBLIC SCHOOLS  
**BUS BARN**  
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PROJECT NO:	18002.19011
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DRAWN BY:	CLW
CHKD BY:	BJD

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INT.  
ELEVATIONS &  
FINISH SCHED.

**I-201**