SHEET INDEX

PROJECT ALTERNATES: ALL ALTERNATES ACCEPTED

ALTERNATE #1 (FIELD HOUSE):
ALTERNATE #1 - DEDUCT ALTERNATE
CONSISTS OF ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT:
2) 8'X78' BREEZEWAY ON NORTH SIDE OF BUILDING
3) FIVE MASONRY COLUMNS
4) 8'x115' TPO ROOFING SYSTEM
5) 8'x30' STANDING SEAM METAL ROOF

ALTERNATE #2 (STEM BUILDING):
ALTERNATE #2 - DEDUCT ALTERNATE
CONSISTS OF ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT:
1) NORTH VESTIBULE

ALTERNATE #3 (STEM BUILDING):
ALTERNATE #3 - DEDUCT ALTERNATE
CONSISTS OF ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT:
1) SOUTH VESTIBULE

CONSULTANTS

ARCHITECTURAL

CIVIL

STRUCTURAL

MECHANICAL, ENGINEERING & PLUMBING

ARCHITECTURAL STANDARDS

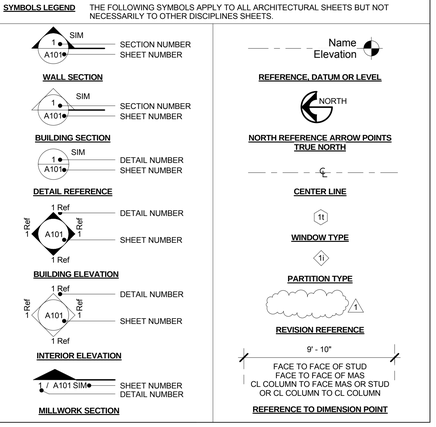
LIST OF ABBREVIATIONS NOTE: CONTACT ARCHITECT PRIOR TO BIDDING TO CLARIFY ALL ABBREVIATIONS, MATERIAL INDICATIONS AND SYMBOLS SHOWN ON DRAWINGS BUT NOT INDICATED ON THIS SHEET.

AB	ANCHOR BOLT	DWG/DWG'S	DRAWING/DRAWINGS	JT	JOINT	R or RAD	RADIUS	UL	UNDERWRITERS
ACOUS	ACOUSTICAL	E	EAST	KIT	KITCHEN	RCP	REFLECTED CEILING PLAN	U.N.O.	UNLESS NOTED
ACT	ACOUSTICAL CEILING TILE	EA	EACH	K.D.	KNOCKDOWN	RD	ROOF DRAIN		OTHERWISE
AD	AREA DRAIN	EJ	EXPANSION JOINT	LAB	LABORATORY	REFER or REF	REFERENCE	UR	URINAL
ADD'L	ADDITIONAL	EL	ELEVATION	LAM	LAMINATED	REC'P	RECEPTION	VERT	VERTICAL
ADJ	ADJUSTABLE	ELEC	ELECTRICAL	LAV	LAVATORY	REFR	REFRIDGERATOR	VEST	VESTIBULE
ADMIN	ADMINISTRATION	ELEV	ELEVATOR	LF	LIGHT FIXTURE	REINF	REINFORCED	VCT	VINYL COMPOSITION TILE
AEWC	ACCESSIBLE EWC	EMER	EMERGENCY	LT	LIGHT	RESIL	RESILIENT	VWC	VINYL WALL COVERING
AFF	ABOVE FINISHED FLOOR	ENCL	ENCLOSURE	LSD	LIQUID SOAP DISPENSER	RESIL	RESILIENT	W	WEST
ALUM/AL	ALUMINUM	ENGR	ENGINEER	MACH	MACHINE	RESIST	RESISTANT	W/	WITH
ALT	ALTERNATE	EQ	EQUAL	MAX	MAXIMUM	REQ	REQUIRED	W/O	WITHOUT
ANCIL	ANCILLARY	EQUIP	EQUIPMENT	MECH	MECHANICAL	RET	RETAINING	W.C.	WATER CLOSET
ANOD/AN	ANODIZED	EWC	ELECTRIC WATER	MED	MEDICINE	REV	REVISION	WD	WOOD
APPROX	APPROXIMATE(LY)		COOLER	MEMB	MEMBRANE	R.F.S.	ROOM FINISH SCHEDULE	W/O	WITHOUT
ARCH	ARCHITECT(URAL)	EXG/ EXIST	EXISTING	MET	METAL	R.J.	RUSTICATION JOINT	WSCT	
AWI	ARCH'TL WOODWORK INSTITUTE	EXP	EXPANSION	MFR	MANUFACTURER	RM.	ROOM	WT	WEIGHT
		EXPO	EXPOSED	MGR	MANAGER	RO	ROUGH OPENING		
BD	BOARD	EXT	EXTERIOR	M.H.	MANHOLE	RTU	ROOF TOP UNIT (HVAC)		
BFF	BELOW FINISHED FLOOR	FA	FIRE ALARM	MIC. OV.	MICROWAVE OVEN	RWC	RAIN WATER CONDUCTOR		
BLDG	BUILDING	FCU	FAN COIL UNIT	MIN	MINIMUM	S	SOUTH		
BLK	BLOCK	FD	FLOOR DRAIN	MIR	MIRROR	SCHED/SCH	SCHEDULE		
BLK'G	BLOCKING	FDN	FOUNDATION	MISC	MISCELLANEOUS	SCWD	SOLID CORE WOOD		
BM	BEAM	FF	FINISHED FLOOR	M.O.	MASONRY OPENING	SD	SOAP DISPENSER		
B.O	BOTTOM OF	FE	FIRE EXTINGUISHER	M.R.	MOISTURE RESISTANT	SECT	SECTION		
BEARING	BRG	FEB	FIRE EXTINGUISHER	M.R.G.B.	MOISTURE RESISTANT GYPSUM BOARD	SECY	SECRETARY		
BRK	BRICK		BRACKET			SH	SHELF		
B.S.	BOTH SIDES	FEC	FIRE EXTINGUISHER CABINET	MTD	MOUNTED	SHWR	SHOWER		
CAB	CABINETS			MTL	MATERIAL	SHT	SHEET		
CF/CI	CONTRACTOR FINISHED, CONTRACTOR INSTALLED	FIN	FINISH	N	NORTH	SHTHG	SHEATHING		
		FLEX	FLEXIBLE	N.I.C.	NOT IN CONTACT	SIM	SIMILAR		
CFMF	COLD FORMED METAL FRAMING	FLR	FLOOR	NO.(#)	NUMBER	S.N.D.	SANITARY NAPKIN DISPENSER		
		FLASH or FLG	FLASHING	NOM.	NOMINAL				
CL	CENTERLINE	FR	FIRE RATED	N.T.S.	NOT TO SCALE	S.N.R.	SANITARY NAPKIN RECEPTACLE		
CLR	CLEAR	FRAM	FRAME	O.A.	OVERALL				
CJ	CONTROL JOINT	FRT	FIRE RETARDANT TREATED	OC/oc	ON CENTER	SQ	SQUARE		
CLG	CEILING			O.C.E.W.	ON CENTER EACH WAY	S.S.	STAINLESS STEEL		
CLO	CLOSET	FT	FOOT or FEET	OD	OUTSIDE DIAMETER	S.SK.	SERVICE SINK		
CMU	CONCRETE MASONRY UNIT	FTG	FOOTING	OFC or OFF	OFFICE	STA	STATION		
		FURN	FURNISHED	OF/CI	OWNER FURNISHED/ CONTR INSTALLED	STD	STANDARD		
COL	COLUMN	FURR'G	FURRING			STL	STEEL		
COMP	COMPOSITE, COMPOSITION	FV	FIELD VERIFY			STN	STAIN		
		GA	GAUGE	OF/OI	OWNER FURNISHED/ OWNER INSTALLED	STOR	STORAGE		
CONC	CONCRETE	GALV	GALVANIZED			STR	STRUCTURAL		
CONF	CONFERENCE	GB	GRAB BAR			SUSP	SUSPENDED)		
CONST	CONSTRUCTION	GEN	GENERAL	O.H.	OPPOSITE HAND	S&V	STAIN & VARNISH		
CONT	CONTINUOUS	GI	GALVANIZED IRON	OPER	OPERABLE	SYM	SYMMETRICAL		
CORR	CORRIDOR	GL	GLASS	OPNG	OPENING	T	TREAD		
CPT	CARPET	GLAZ	GLAZING	OPP	OPPOSITE	T.B.	TOWEL BAR		
CR	COLD ROLLED	GND	ELECTRICAL GROUND	OSB	ORIENTED STRAND BOARD	T.O.C.	TOP OF CURB		
CRS	COURSE	GR	GRADE	O.T.O.	OUT TO OUTSIDE	T/S	TOILET/SHOWER		
CT	CERAMIC TILE	GYP	GYPSUM	PC	PORTLAND CEMENT	TEL	TELEPHONE		
CTR	CENTER	HC	HOLLOW CORE or HANDICAP ACCESSIBLE	PH	PHONE (TELEPHONE)	TEMP	TEMPERED/ TEMPORARY		
CTSK	COUNTERSINK			PL	PLATE	TER	TERRAZZO		
CU.FT.	CUBIC FOOT	HDW	HARDWARE	PLAM	PLASTIC LAMINATE	TG	TOP OF GRATE		
CU.YD.	CUBIC YARD	HDWD	HARDWOOD	PLAS	PLASTER	T&G	TOUNGE AND GROOVE		
DBL	DOUBLE	HM	HOLLOW METAL	PLYWD	PLYWOOD	THK	THICK(NESS)		
DEG	DEGREE	HORIZ	HORIZONTAL	PPT	PRESERVATIVE TREATED	TLWC	TOP OF LIGHTWEIGHT CONCRETE		
DEPT	DEPARTMENT	HR	HOUR	PRESSURE					
DF	DRINKING FOUNTAIN	HT	HEIGHT	PR	PAIR	T.O.	TOP OF		
DET	DETAIL	HVAC	HEATING-VENTILATION-AIR CONDITIONING	PREP	PREPARATION	T.O.M.	TOP OF MASONRY		
DIA	DIAMETER			PT	PAINT	T.O.S.	TOP OF STEEL		
DIM/DIM'S	DIMENSION(S)	ID	INSIDE DIAMETER	P.T.D.	PAPER TOWEL DISPENSER	T.O.W./T.W.	TOP OF WALL		
DISP	DISPENSER	IN	INCHES	PTN	PARTITION	T.P.	TOP OF PAVEMENT		
DIV	DIVISION	INSUL/INS	INSULATION, INSULATED	P.T.D/R.	COMBINATION PAPER TOWEL DISPENSER/ RECEPTACLE	T.P.H.	TOILET PAPER HOLDER		
DN	DOWN	INT	INTERIOR			TV	TELEVISION		
DR	DOOR	JAN	JANITOR			TYP	TYPICAL		
DWR	DRAWER	JST	JOIST	Q.T.	QUARRY TILE				

MATERIALS LEGEND

EARTH		RIGID INSULATION	
BRICK		BATT INSULATION	
CMU		GROUT, MORTAR OR SAND	
CONCRETE		PLYWOOD	
STEEL		ROUGH WOOD CONTINUOUS	
GRAVEL		ROUGH WOOD, NON-CONTINUOUS	

SYMBOLS LEGEND THE FOLLOWING SYMBOLS APPLY TO ALL ARCHITECTURAL SHEETS BUT NOT NECESSARILY TO OTHER DISCIPLINES SHEETS.



VICINITY MAP

ANYTOWN FIELD HOUSE

ANYTOWN PUBLIC SCHOOLS - 2014 BOND
606 E. THIRD STREET, ANYTOWN, OK. 00000

ANYTOWN PUBLIC SCHOOLS
2014 BOND - FIELD HOUSE
606 E. THIRD STREET, ANYTOWN, OK. 00000

SEAL:

REVISIONS

REV	DATE	DESCRIPTION
1	06/03/2015	FIRE MARSHALL REVISIONS

PROJ. MANAGER:
DRAWN BY:
CHECKED BY:
KEYPLAN:
DATE: MAY 11, 2015
PROJECT NO.: 1416
SHEET TITLE: COVER SHEET
SHEET NO.: TF-000

BUILDING CODE INFORMATION

MEANS OF EGRESS (IBC CHAPTER 10) - CONTINUED

EGRESS WIDTH (IBC, SECTION 1005)

MINIMUM REQUIRED EGRESS WIDTH SHALL BE A TOTAL WIDTH OF MEANS OF EGRESS IN INCHES NOT LESS THAN THE TOTAL OCCUPANCT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY 0.2 INCHES PER OCCUPANT.

OCCUPANCY OF 160 -> 160 * 0.2 = 32" MINIMUM EGRESS WIDTH

MEANS OF EGRESS ILLUMINATION (IBC, SECTION 1006)

EMERGENCY LIGHTING	AUTOMATIC	REQUIRED

THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.

EXIT SIGNS (IBC, SECTION 1011)

EXIT SIGNS	AUTOMATIC	REQUIRED

EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL.

EXIT ACCESS TRAVEL DISTANCE (IBC, SECTION 1016, TABLE 1016.1)

OCCUPANCY	COMPONENT	REQUIRED (FEET)	SOURCE	PROVIDED
EDUCATIONAL E (1)	COMMON PATH OF TRAVEL	75	NFPA 101 14.2.5.3.2	67 FEET (WEIGHT ROOM NO. 111)
	DEAD END CORRIDORS	20	IBC 1016.3	0 FEET (NO DEAD END CORRIDORS IN EDUCATIONAL USE)
	TRAVEL TO EXIT	150	NFPA 101 14.2.6.2	67 FEET (WEIGHT ROOM NO. 111)

ASSEMBLY - BLEACHERS (IBC, SECTION 1024; ICC-300)

- BLEACHERS ARE NOT IN THIS PROJECT AND WILL BE BY OWNER. BLEACHER DESIGN AND PERMIT TO BE SUBMITTED AT A LATER DATE.

ACCESSIBILITY FEATURES

ACCESSIBILITY (IBC CHAPTER 11)

ACCESSIBLE PARKING SPACES (IBC, TABLE 1106.1)

PARKING REQUIREMENTS	REQUIRED		PROVIDED	
GROUP	BUILDING AREA	SPACES	BUILDING AREA	SPACES
EDUCATIONAL E	UP TO 12,000 SQ. FT. GLA	1 SPACE PER 200 SQ. FT. GLA	7,729 SQ. FT.	39 REQUIRED
	ACCESSIBLE REQUIRED		ACCESSIBLE PROVIDED	
	TOTAL SPACES	REQUIRED MINIMUM	TOTAL SPACES	SPACES
(1)	26 TO 50	2	39 TOTAL	2

PLUMBING SYSTEMS FEATURES

PLUMBING SYSTEMS (IBC CHAPTER 29)

REQUIRED

CLASSIFICATION	OCCUPANCY	WATER CLOSETS MALE	WATER CLOSETS FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	BATHTUBS OR SHOWER	DRINKING FOUNTAINS	OTHER
EDUCATIONAL E	155	1 PER 50 (3 REQUIRED)		1 PER 50 (3 REQUIRED)		-	1 PER 100	1 SERVICE SINK
ASSEMBLY A-5 (FOR 2000 EXISTING AND NEW BLEACHERS)	2000	13 (1 PER 75 FOR THE FIRST 1,500 AND 1 PER 120 FOR THE REMAINDER EXCEEDING 1,500)	25 (1 PER 40 FOR THE FIRST 1,520 AND 1 PER 60 FOR THE REMAINDER EXCEEDING 1,500)	5 (1 PER 200)	7 (1 PER 150)	-	2 (1 PER 1000)	1 SERVICE SINK
REQ'D TOTALS	2155	16	25	8	10	-	3	2 SERVICE SINK

EXISTING

CLASSIFICATION	OCCUPANCY	WATER CLOSETS MALE	WATER CLOSETS FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	BATHTUBS OR SHOWER	DRINKING FOUNTAINS	OTHER
EDUCATIONAL E								
ASSEMBLY A-5 (FOR 1000 EXISTING BLEACHERS)	1000	6 (4 + 2 URINALS)	6	2	2	-	-	-

PROVIDED

CLASSIFICATION	OCCUPANCY	WATER CLOSETS MALE	WATER CLOSETS FEMALE	LAVATORIES MALE	LAVATORIES FEMALE	BATHTUBS OR SHOWER	DRINKING FOUNTAINS	OTHER
EDUCATIONAL E	155	4 (1 + 2 URINAL)	3	4	3	-	2 (HI-LO)	1 SERVICE SINK
ASSEMBLY A-5 (FOR 1000 EXISTING BLEACHERS)	1000	8 (3 + 5 URINALS)	17	8	8	-	2 (HI-LO)	1 SERVICE SINK
TOTALS (W EXIST.)	2155	18	26	14	13	-	4 (HI-LO)	2 SERVICE SINK

PLUMBING SYSTEMS HAVE BEEN DESIGNED AND CALCULATED FOR THE FUTURE INSTALLATION OF ADDITIONAL BLEACHERS.

TYPES OF CONSTRUCTION (IBC CHAPTER 6)

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (IBC, TABLE 601)

BUILDING ELEMENT	HOURLY RATING REQUIRED	HOURLY RATING PROVIDED	METHOD OF ACHIEVING RATING
PRIMARY STRUCTURAL FRAME (SEE IBC SECTION 202)	0	0	N/A
EXTERIOR BEARING WALLS	0	4	8" CMU BLOCK -SOLID FILL CELLS (1)
INTERIOR BEARING WALLS	0	4	8" CMU BLOCK - SOLID FILL CELLS
EXTERIOR NONBEARING WALLS	0	4	8" CMU BLOCK -SOLID FILL CELLS
INTERIOR NONBEARING WALLS	0	4	8" CMU BLOCK - SOLID FILL CELLS
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0	0	N/A
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0	1	BUILT-UP ROOF ON METAL DECK ON STEEL JOISTS

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (IBC, TABLE 602)

FIRE SEPARATION DISTANCE = X (feet)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP	FIRE RESISTANCE REQUIRED	FIRE RESISTANCE PROVIDED
10 ≤ X ≤ 30	IIB	E	0	4

FIRE AND SMOKE PROTECTION FEATURES (IBC CHAPTER 7)

MAXIUMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION (IBC, TABLE 705.8)

FIRE SEPARATION DISTANCE (feet)	DEGREE OF OPENING PROTECTION	ALLOWABLE AREA
30 OR GREATER	UNPROTECTED, NONSPRINKLERED	NO LIMIT

FIRE WALLS (IBC, SECTION 706)

FIRE SEPARATION DISTANCE (feet)	DEGREE OF OPENING PROTECTION	ALLOWABLE AREA
30 OR GREATER	UNPROTECTED, NONSPRINKLERED	NO LIMIT

FIRE WALL FIRE-RESISTANCE RATINGS (IBC, TABLE 706.4)

GROUP	FIRE RESISTANCE RATING (hours)	CONTRUCTION NOTES
E	2	NO FIRE WALL REQUIRED FOR THIS PROJECT

FIRE-RESISTANCE RATING REQUIREMENTS FOR FIRE BARRIER ASSEMBLIES OR HORIZONTAL ASSEMBLIES BETWEEN FIRE AREAS (IBC, TABLE 707.3.9)

GROUP	FIRE RESISTANCE RATING (hours)	CONTRUCTION NOTES
E	2	NO FIRE BARRIER REQUIRED FOR THIS PROJECT

SHAFT ENCLOSURES (IBC, SECTION 708; NFPA 101 8.6.5)

GROUP	FIRE RESISTANCE RATING (hours)	CONTRUCTION NOTES
E	X	NO SHAFT ENCLOSURES IN THIS PROJECT

OCCUPANCY LOAD, MEANS OF EGRESS AND PASSIVE FIRE PROTECTION FEATURES

INTERIOR FINISHES (IBC CHAPTER 8)

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (IBC, TABLE 803.9)

	SPRINKLERED			NONSPRINKLERED		
GROUP	EXITS	CORRIDORS	ROOMS	EXITS	CORRIDORS	ROOMS
EDUCATIONAL E				CLASS A	CLASS B	CLASS C

FIRE PROTECTION SYSTEMS (IBC CHAPTER 9)

AUTOMATIC SPRINKLER SYSTEMS (IBC, SECTION 903)

STATUS	AUTOMATIC SPRINKLER SYSTEM NOT PROVIDED
GROUP	
EDUCATIONAL E	PER SECTION 903.2.3, AN AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED.

PORTABLE FIRE EXTINGUISHERS (IBC, SECTION 906)

FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARDS (IBC, TABLE 906.3(1))

	ORDINARY (MODERATE) HAZARD OCCUPANCY	EXTINGUISHERS AS PROVIDED
MIN. RATED SINGLE EXTINGUISHER	2-A	
MAXIMUM FLOOR AREA PER UNIT OF A	1,500 SQ. FT.	8,090 SQ. FT. / 1,500 SQ. FT. = 6 EXTINGUISHERS MINIMUM
MAXIMUM FLOOR AREA FOR EXTINGUISHER	11,250 SQ. FT.	BUILDING AREA LESS THAN MAXIMUM FLOOR AREA
MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER	75 FEET	

FIRE ALARM AND DETECTION SYSTEMS (IBC, SECTION 907.2.3)

GROUP EDUCATIONAL E

FIRE ALARM SYSTEM	MANUAL	REQUIRED
SMOKE DETECTION SYSTEM	AUTOMATIC	REQUIRED
OCCUPANCY NOTIFICATION SYSTEM	AUTOMATIC	REQUIRED
EXIT SIGNS	-	REQUIRED

MEANS OF EGRESS (IBC CHAPTER 10)

OCCUPANCT LOAD CALCULATIONS (IBC TABLE 1004.1.1)

OCCUPANCY SCHEDULE

ROOM NO.	NAME	Occupancy	OCCUPANCY AREAS ROOM AREA	TABLE 1004.1.2 - MAXIMUM FLOOR ALLOWANCES S.F. PER PERSON	Area Type	TABLE 1004.1.2 - MAXIMUM FLOOR ALLOWANCES OCCUPANCY LOAD CALCULATED
000	TICKET BOOTH	E	49 SF	100	GROSS	1
100	CORRIDOR	E	231 SF	0	-	0
101	VARSITY LOCKER ROOM	E	706 SF	20	NET	35
102	TOILETS	E	263 SF	50	NET	5
103	ELEC	S-2	52 SF	0	-	0
104	JUNIOR VARSITY LOCKER ROOM	E	499 SF	20	NET	25
105	TOILETS	E	263 SF	50	NET	5
106	JANITOR	S-2	53 SF	0	-	0
107	EQUIPMENT STORAGE	S-2	245 SF	50	NET	5
108	COACHES OFFICE	E	744 SF	50	NET	15
109	COACHES DRESSING	E	119 SF	50	NET	2
110	TAPE ROOM	E	162 SF	50	NET	3
111	WEIGHT ROOM	E	1508 SF	50	NET	30
200	CONCESSION	E	365 SF	50	NET	7
201	CONCESSION STORAGE	S-2	146 SF	50	NET	2
202	ELEC	S-2	69 SF	0	-	0
204	MEN	E	372 SF	50	NET	7
205	WOMEN	E	578 SF	50	NET	12
206	FAMILY RESTROOM	E	73 SF	50	NET	1
Grand total			6498 SF			155

LIFE SAFETY AND FIRE PROTECTION CODE COMPLIANCE APPROACH NARATIVE

GENERAL PROJECT INFORMATION

PROJECT NAME	ANYTOWN PUBLIC SCHOOLS - NEW FIELD HOUSE AND STEM CLASSROOM BUILDINGS
PROJECT LOCATION	606 E. THIRD STREE, ANYTOWN, OK. 00000
PROJECT CONSTRUCTION PURPOSE	NEW CONSTRUCTION - FIELD HOUSE AND CLASSROOM BUILDING
BUILDING OWNER	, SUPERINTENDENT, , PUBLIC SCHOOLS, PH:
ESTIMATED PROJECT COST	FIELD HOUSE - $1,816,791; STEM BUILDING - $2,067,025; TOTAL - $4,549,874
AUTHORITY HAVING JURISDICTION	OKLAHOMA STATE FIRE MARSHAL'S OFFICE
PROJECT DESCRIPTION - SUMMARY	

CLASSROOM BUILDING - NEW CLASSROOM BUILDING (9,389 SQ. FT.) CONSISTING OF FIVE CLASSROOMS, TWO SCIENCE LABORATORIES, RESTROOMS AND A TEACHER'S BREAKROOM. HALF OF THE BUILDING (4,421 SQ. FT.) IS BEING CONSTRUCTED AS A SAFE ROOM WITH REINFORCED CMU WALLS AND CONCRETE LID. THE REMAINING PORTIONS OF THE BUILDING WILL BE STEEL STRUCTURE AND METAL STUD FRAMING. EXTERIOR MATERIALS WILL CONSIST OF COMMON BRICK, EIFS AND STOREFRONT GLAZING. BUILDING IS SPRINKLERED.

FIELD HOUSE BUILDING - NEW FIELD HOUSE BUILDING (7,729 SQ. FT.) CONSISTING OF TWO LOCKERROOMS/SHOWERS, COACHES OFFICE, WEIGHT ROOM , TICKET BOOTH, CONCESSIONS AND RESTROOMS FOR THE SPORTS ASSEMBLY BLEACHERS. THE FIELD HOUSE IS BEING CONSTRUCTED WITH STEEL STRUCTURE AND CMU LOAD BEARING WALLS. EXTERIOR MATERIALS WILL CONSIST OF SPLIT FACE CMU, COMMON BRICK AND EIFS. BUILDING IS NOT SPRINKLERED.

ALTERNATES - ALL ALTERNATES HAVE BEEN ACCEPTED

ALTERNATE #1 (FIELD HOUSE): (1)
ALTERNATE #1 - DEDUCT ALTERNATE
CONSISTS OF ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT:
2) 8'x78' BREEZEWAY ON NORTH SIDE OF BUILDING
3) FIVE MASONRY COLUMNS
4) 8'x115' TPO ROOFING SYSTEM
5) 8'x30' STANDING SEAM METAL ROOF

ALTERNATE #2 (STEM BUILDING):
ALTERNATE #2 - DEDUCT ALTERNATE
CONSISTS OF ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT:
1) NORTH VESTIBULE

ALTERNATE #3 (STEM BUILDING):
ALTERNATE #3 - DEDUCT ALTERNATE
CONSISTS OF ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT:
1) SOUTH VESTIBULE

APPLICABLE DESIGN CRITERIA (APPLICABLE CODES ARE CHECKED) (1)

	NAME	EDITION
STATE CODE ADOPTION		
X	INTERNATIONAL BUILDING CODE (IBC)	2009
X	INTERNATIONAL EXISTING BUILDING CODE (IEBC)	2009
X	INTERNATIONAL FIRE CODE (IFC)	2009
X	INTERNATIONAL FUEL GAS CODE (IFGC)	2009
X	INTERNATIONAL MECHANICAL CODE (IMC)	2009
X	INTERNATIONAL PLUMBING CODE (IPC)	2009
X	NATIONAL ELECTRIC CODE (NEC)	2011
ADDITIONAL CODES		
	FEMA 320: TAKING SHELTER FROM THE STORM, BUILDING A SAFE ROOM FOR YOUR HOME OR SMALL BUSINESS	2008
	FEMA 361: DESIGN AND CONSTRUCTION GUIDANCE FOR COMMUNITY SAFEROOMS	2008
	ICC 500: STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS	2008
X	NFPA 1: FIRE CODE	2012
X	NFPA 10: STANDARD FOR PORTABLE FIRE EXTINGUISHERS	2012
X	NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS	2013
X	NFPA 24: STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES	2013
	NFPA 30: FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE	2012
	NFPA 33: STANDARD FOR SPRAY APPLICATION USING FLAMMABLE OR COMBUSTIBLE MATERIALS	2011
X	NFPA 70: NATIONAL ELECTRIC CODE	2011
X	NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE	2013
X	NFPA 220: STANDARD ON TYPE OF BUILDING CONSTRUCTION	2012
	UNIFIED FACILITIES CRITERIA (UFC) 1-200-01: GENERAL BUILDING REQUIREMENTS	16 AUG 2010 WITH CHANGE 2, 28 NOV 2011
	UNIFIED FACILITIES CRITERIA (UFC) 3-600-01: FIRE PROTECTION ENGINEERING FOR FACILITIES	26 SEPT 2006 WITH CHANGE 3, 1 MAR 2013
	UNIFIED FACILITIES CRITERIA (UFC) 4-010-01: DOD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS	8 OCT 2003 INCLUDING CHANGE 1, 22 JAN 2007
	UNIFIED FACILITIES CRITERIA (UFC) 4-021-01: DESIGN AND O&M: MASS NOTIFICATION SYSTEMS	9 APR 2008 WITH CHANGE 1, JAN 2010
FIRE MARSHAL DIRECTIVES		

BUILDING OCCUPANCY, CONSTRUCTION AND SEPARATION INFORMATION

USE AND OCCUPANCY CLASSIFICATION (IBC CHAPTER 3)

BUILDING NAME	IBC CLASSIFICATION	NFPA 101 CLASSIFICATION	AREA	OCCUPANCY LOAD
NEW FIELD HOUSE	EDUCATIONAL E (SECTION 305)	NEW EDUCATIONAL OCCUPANCIES (CHAPTER 14)	**7,729 SQ. FT. GROSS**	
			6,498 SQ. FT. NET	**155**

SPECIAL REQUIREMENTS BASED ON USE AND OCCUPANCY (IBC CHAPTER 4)

GENERAL BUILDING HEIGHTS AND AREA (IBC CHAPTER 5)

ALLOWABLE BUILDING HEIGHTS AND AREAS (IBC, TABLE 503)			AS-DESIGNED BUILDING HEIGHTS AND AREAS		
		TYPE II B			TYPE II B
	HEIGHT (ft)	55		HEIGHT (ft)	25
GROUP			GROUP		
E	STORIES	2	E	STORIES	1
	AREA	14,500 SF		AREA	7,729 SF

BUILDING AREA MODIFICATIONS (IBC, SECTION 506)

SECTION 506.1

THE BUILDING AREAS LIMITED BY TABLE 503 SHALL BE PERMITTED TO BE INCREASED DUE TO FRONTAGE (If) AND AUTOMATIC SPRINKLER SYSTEM PROTECTION (I) IN ACCORDANCE WITH THE FOLLOWING: Aa = At + [At x If / 100] + [At x Is / 100]

BUILDING AREA MODIFICATIONS ARE NOT REQUIRED OR APPLICABLE SINCE THE PROJECT SCOPE OF WORK COMPLIES WITH THE ALLOWABLE BUILDING HEIGHT AND AREA FROM TABLE 503.

REQUIRED SEPARATION OF OCCUPANCIES (IBC, SECTION 508)

SECTION 508.4

SEPARATION OF OCCUPANCIES ARE NOT REQUIRED OR APPLICABLE SINCE THE PROJECT SCOPE OF WORK CONSISTS OF ONE OCCUPANCY TYPE.

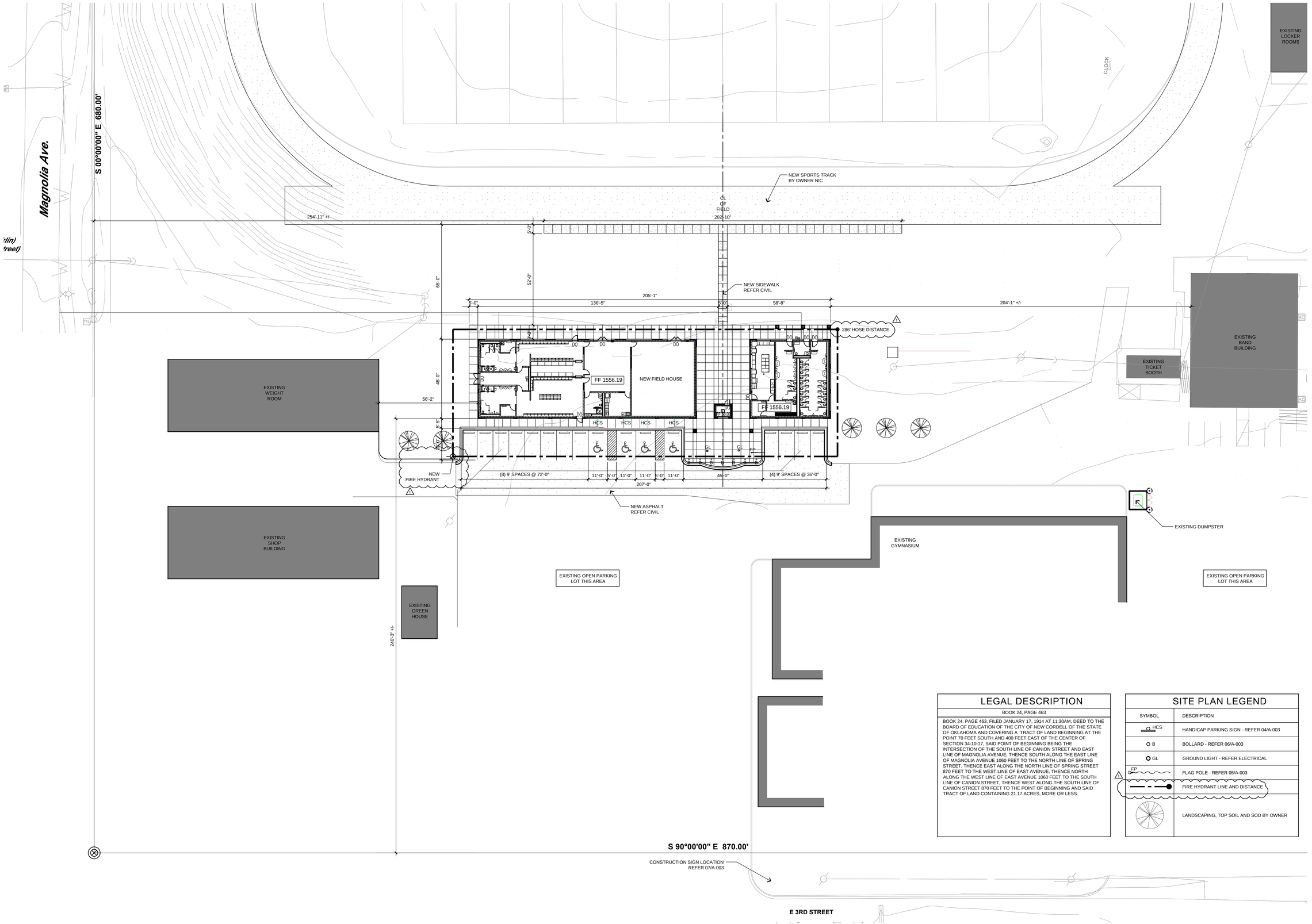
ANYTOWN PUBLIC SCHOOLS
2014 BOND - FIELD HOUSE
606 E. THIRD STREET, ANYTOWN, OK. 00000

SEAL:

REVISIONS

REV	DATE	DESCRIPTION
1	06/03/2015	FIRE MARSHALL REVISIONS

PROJ. MANAGER:
DRAWN BY:
CHECKED BY:
KEYPLAN:
DATE: MAY 11, 2015
PROJECT NO.: 1416
SHEET TITLE: LIFE SAFETY AND CODE INFORMATION
SHEET NO.: LSF-100



LEGAL DESCRIPTION

BOOK 24, PAGE 463

BOOK 24, PAGE 463, FILED JANUARY 17, 1914 AT 11:30AM, DEED TO THE BOARD OF EDUCATION OF THE CITY OF NEW CORDELL OF THE STATE OF OKLAHOMA AND COVERING A TRACT OF LAND BEGINNING AT THE POINT 70 FEET SOUTH AND 400 FEET EAST OF THE CENTER OF SECTION 34-10-17, SAID POINT OF BEGINNING BEING THE INTERSECTION OF THE SOUTH LINE OF CANION STREET AND EAST LINE OF MAGNOLIA AVENUE, THENCE SOUTH ALONG THE EAST LINE OF MAGNOLIA AVENUE 1060 FEET TO THE NORTH LINE OF SPRING STREET, THENCE EAST ALONG THE NORTH LINE OF SPRING STREET 870 FEET TO THE WEST LINE OF EAST AVENUE, THENCE NORTH ALONG THE WEST LINE OF EAST AVENUE 1060 FEET TO THE SOUTH LINE OF CANION STREET, THENCE WEST ALONG THE SOUTH LINE OF CANION STREET 870 FEET TO THE POINT OF BEGINNING AND SAID TRACT OF LAND CONTAINING 21.17 ACRES, MORE OR LESS.

SITE PLAN LEGEND

SYMBOL	DESCRIPTION
HCS	HANDICAP PARKING SIGN - REFER 04/A-003
B	BOLLARD - REFER 06/A-003
GL	GROUND LIGHT - REFER ELECTRICAL
FP	FLAG POLE - REFER 05/A-003
	FIRE HYDRANT LINE AND DISTANCE
	LANDSCAPING, TOP SOIL AND SOD BY OWNER

01 FIELD HOUSE SITE PLAN

SCALE: 1"=20'-0"

NORTH

ANYTOWN PUBLIC SCHOOLS

NEW FIELD HOUSE AND STEM CLASSROOM BUILDINGS

606 E. THIRD STREET, ANYTOWN, OK. 00000

SEAL:

REVISIONS

REV	DATE	DESCRIPTION
1	06/03/2015	FIRE MARSHALL REVISIONS

PROJ. MANAGER:

DRAWN BY:

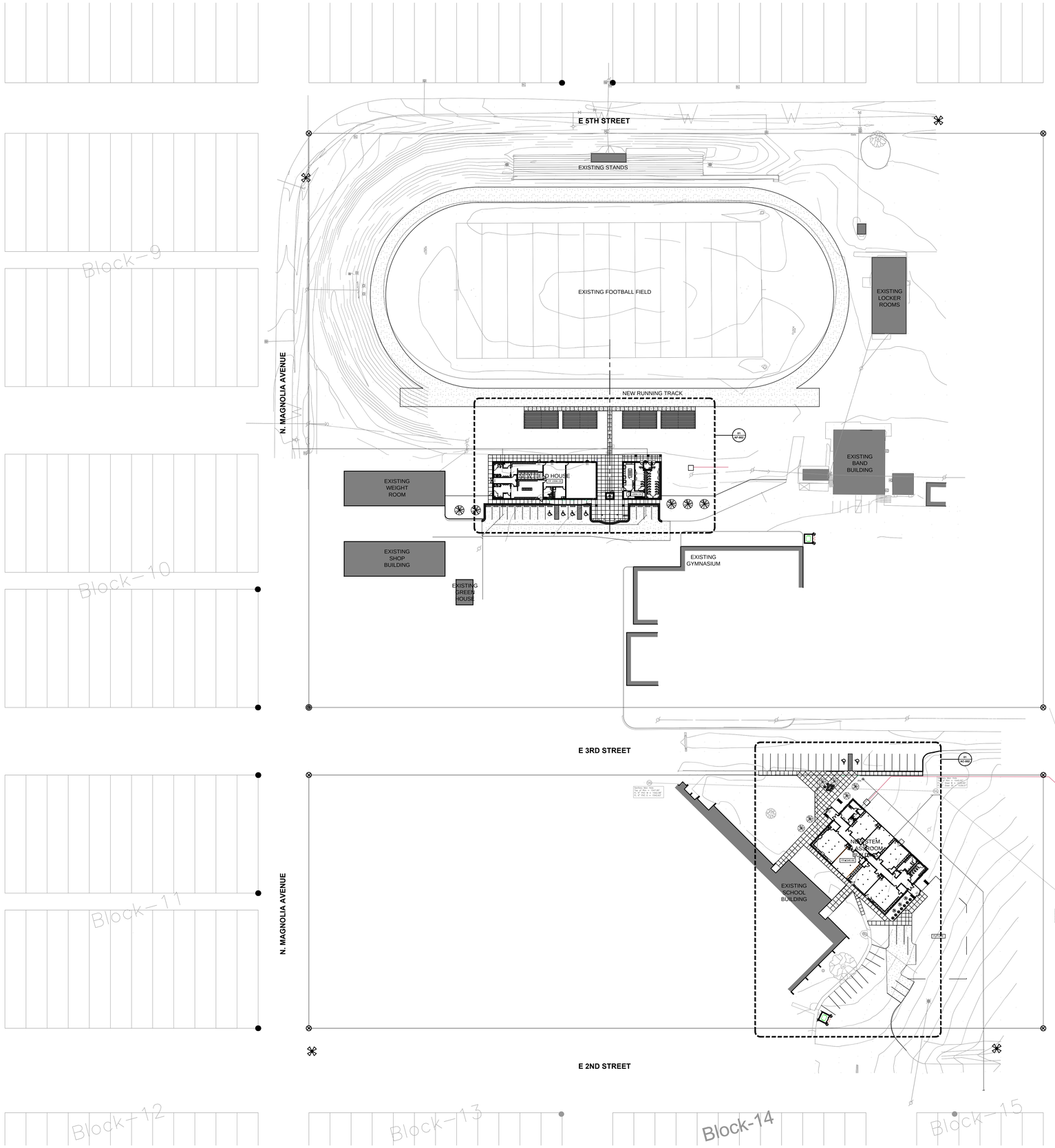
CHECKED BY:

DATE: 04/22/2015

PROJECT NO.: 1416

SHEET TITLE: FIELD HOUSE SITE PLAN

SHEET NO.: AF-002



01 **ARCHITECTURAL SITE PLAN**
SCALE: 1"=50'-0"

NORTH

SITE DATA

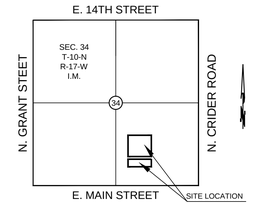
SITE AREA		21.17 ACRES
TOTAL BUILDING AREA	FIELD HOUSE	7,729 SQ. FT.
	STEM BUILDING	9,389 SQ. FT.
PARKING SPACES	FIELD HOUSE	39 SPACES
	STEM BUILDING	47 SPACES
ACCESSIBLE PARKING SPACES	FIELD HOUSE	2 SPACES
	STEM BUILDING	2 SPACES
TOTAL PARKING SPACES	FIELD HOUSE	41 TOTAL
	STEM BUILDING	49 SPACES

LEGAL DESCRIPTON

A TRACT OF LAND BEGINNING AT THE POINT 730 FEET SOUTH AND 400 FEET EAST OF THE CENTER OF SECTION 34-10-17, SAID POINT OF BEGINNING BEING THE INTERSECTION OF THE SOUTH LINE OF CANION STREET AND EAST LINE OF MAGNOLIA AVENUE, THENCE SOUTH ALONG THE EAST LINE OF MAGNOLIA AVENUE 1060 FEET TO THE NORTH LINE OF SPRING STREET, THENCE EAST ALONG THE NORTH LINE OF SPRING STREET 870 FEET TO THE WEST LINE OF EAST AVENUE, THENCE NORTH ALONG THE WEST LINE OF EAST AVENUE 1060 FEET TO THE SOUTH LINE OF CANION STREET, THENCE WEST ALONG THE SOUTH LINE OF CANION STREET 870 FEET TO THE POINT OF BEGINNING AND SAID TRACT OF LAND CONTAINING 21.17 ACRES, MORE OR LESS.

GENERAL NOTES

A. ALL CONCRETE CURB DIMENSIONS ARE TO FACE OF CURB.



VICINITY MAP

NOT TO SCALE

GENERAL SITE NOTES

1. ALL WORK PERFORMED AND MATERIALS SUPPLIED SHALL CONFORM TO THE PLANS AND/OR PROJECT SPECIFICATIONS. ANY WORK NOT COVERED SHALL CONFORM TO THE CITY'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF PUBLIC IMPROVEMENTS OR THE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, OKLAHOMA DEPARTMENT OF TRANSPORTATION", LATEST EDITION AND SUPPLIMENTALS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES AND GOVERNMENTAL AGENCIES WHO MIGHT HAVE UTILITY LINES ON OR ABOUT THE PREMESIS, OR WHO MIGHT BE AFFECTED BY THE CONSTRUCTION. THE CONTRACTOR SHALL ALSO COORDINATE WITH THE UTILITY COMPANIES TO ENSURE COMPLIANCE TO THE PROJECT SCHEDULE ESTABLISHED BY THE GENERAL CONTRACTOR. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT EXISTING UTILITY LINES AND SHALL REPAIR ANY DAMAGES AT HIS OWN EXPENSE.
3. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. ALL PAVEMENT STRIPING SHALL BE FOUR (4) INCHES WIDE, UNLESS SHOWN OTHERWISE ON THE PLANS.
4. THE CONTRACTOR SHALL PROVIDE A MEDIUM BROOM FINISH ON ALL CONCRETE WALKS, RAMPS, AND PAVING SURFACES.
5. MAINTENANCE OF SEEDED AND SODDED AREAS SHALL INCLUDE ALL NECESSARY FERTILIZATION AND WATERING UNITL SUCH TIME AS PROPER VEGITATION AND ROOT GROWTH IS ESTABLISHED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING AND MAINTAINING BARRICADES AND OTHER TRAFFIC CONTROL DEVICES AS NECESSARY AROUND THE PERIMIETER.
7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIDEWALKS AND ACCESSIBLE RAMPS ARE IN COMPLIANCE WITH THE ADAAG REGULATIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DESIGN INFORMATION AND ADAAG REGULATIONS PRIOR TO CONSTRUCTION.
8. CONTRACTOR SHALL SATISFY HIMSELF AS TO EARTHWORK QUANTITIES PRIOR TO BIDDING.

SITE PLAN LEGEND

AV	AIR VALVE(BLOW-OFF VALVE)	TOP OF RIM	TR
	HANDICAP PARKING	TOP OF GRATE	TG
	BUSH	UNDERGROUND WATER	W
	STOCKADE FENCE	UNDERGROUND STORM SEWER	ST
	CHAINLINK FENCE	UNDERGROUND TELEPHONE CABLE	UGT
	BARBED WIRE FENCE	UNDERGROUND SANITARY SEWER	SS
	EM (ELECTRIC METER)	UNDERGROUND GAS	GAS
E	ELECTRIC MANHOLE	OVERHEAD ELECTRIC CABLE	OHE
FH	FIRE HYDRANT	UNDERGROUND ELECTRIC CABLE	UGE
CO	CLEAN OUT		
GM	GAS METER	REINFORCED CONCRETE PIPE	RCP
GV	GAS VALVE	REINFORCED CONCRETE BOX	RCB
GW	GUY WIRE	CORRUGATED GALVENIZED METAL PIPE	CGMP
	IRON ROD (SET)	RIGHT-OF-WAY	R/W
	IRON ROD (FOUND)	PROPERTY LINE	P/L
LP	LIGHT POLE	IRON ROD	IR
	MAIL BOX	ACCESS EASEMENT	A/E
S	SANITARY SEWER MANHOLE	UTILITY EASEMENT	U/E
S	STORM SEWER MANHOLE	DRAINAGE EASEMENT	D/E
T	TELEPHONE MANHOLE	DRAINAGE & UTILITY EASEMENT	D & U/E
	STORM SEWER INLET	BUILDING LIMIT LINE	B/L
	POWER POLE		
	GP (GUARD POST)	RISER	
	SIGN	WATER METER	WM
	TRAFFIC SIGNAL	WATER VALVE	WV

ANYTOWN PUBLIC SCHOOLS

NEW FIELD HOUSE AND STEM CLASSROOM BUILDINGS

606 E. THIRD STREET, ANYTOWN, OK. 00000

SEAL:

REVISIONS

REV.	DATE	DESCRIPTION

PROJ. MANAGER:

DRAWN BY:

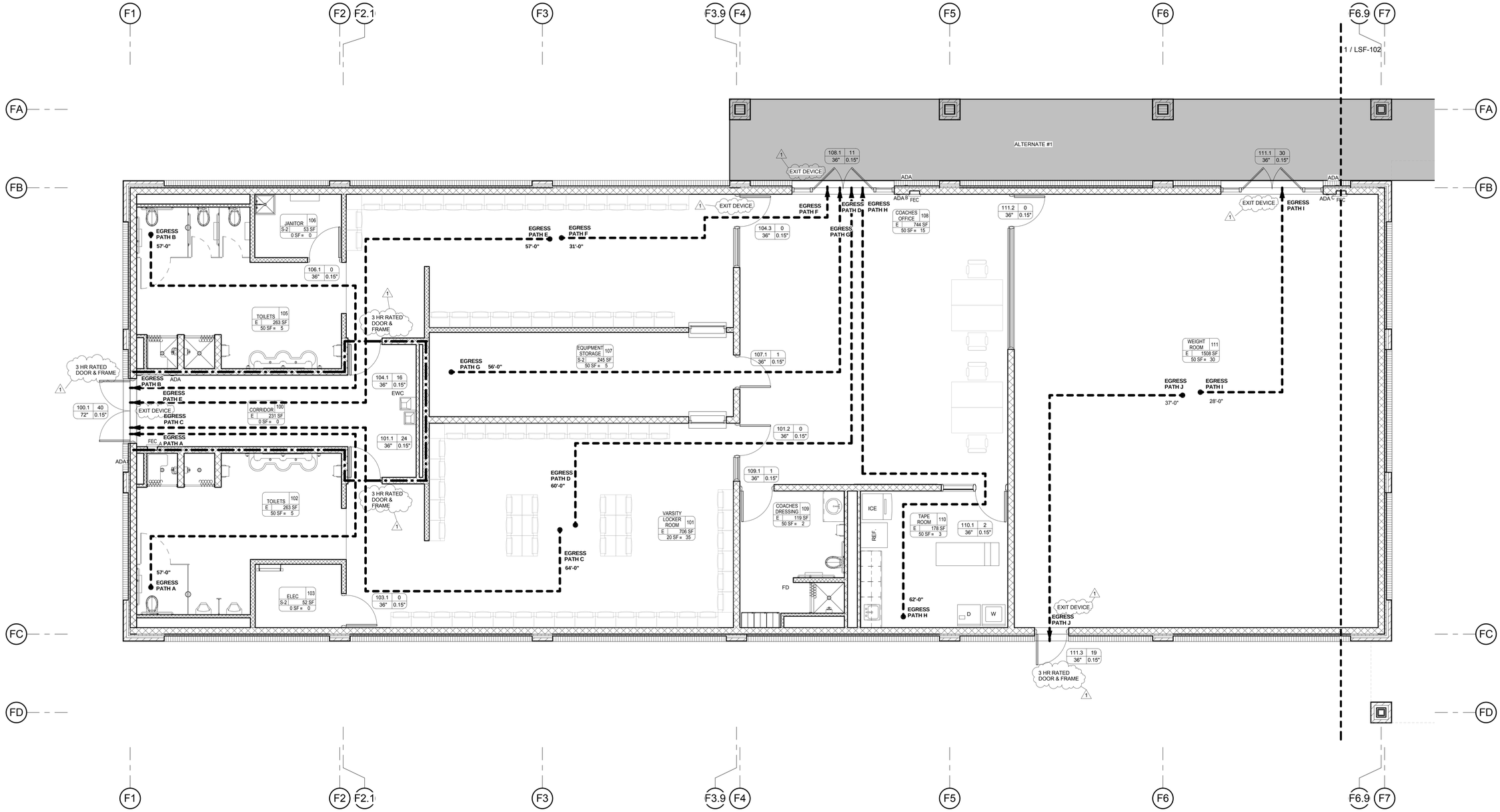
CHECKED BY:

DATE: 04/22/2015

PROJECT NO.: 1416

SHEET TITLE: OVERALL SITE PLAN

SHEET NO.: A-001



1 LIFE SAFETY PLAN AND CODE ANALYSIS - LOCKER ROOMS
LSF-101 SCALE: 1/4" = 1'-0"
REF. TO SHT.:ADD-3.1

NORTH

LIFE SAFETY LEGEND

ROOM TAG

ROOM NAME — NAME ## — ROOM NUMBER
OCCUPANCY TYPE — B ### SF — ROOM SF
SF PER PERSON — ### SF= ### — OCCUPANCY LOAD

DOOR TAG

DOOR NUMBER — ### ## — OCCUPANCY LOAD
DOOR WIDTH — 36" 0.15 — REQ'D WIDTH PER OCCUPANT

RATED CORRIDOR - REINFORCED, FULLY GROUTED CMU WALL - 4 HR RATED
EGRESS PATH
FEC — FIRE EXTINGUISHER CABINET
ADA — ADA PUSH BUTTON DOOR OPERATOR
1 — PARTITION KEY - REFER AC-400 PARTITION SCHEDULE

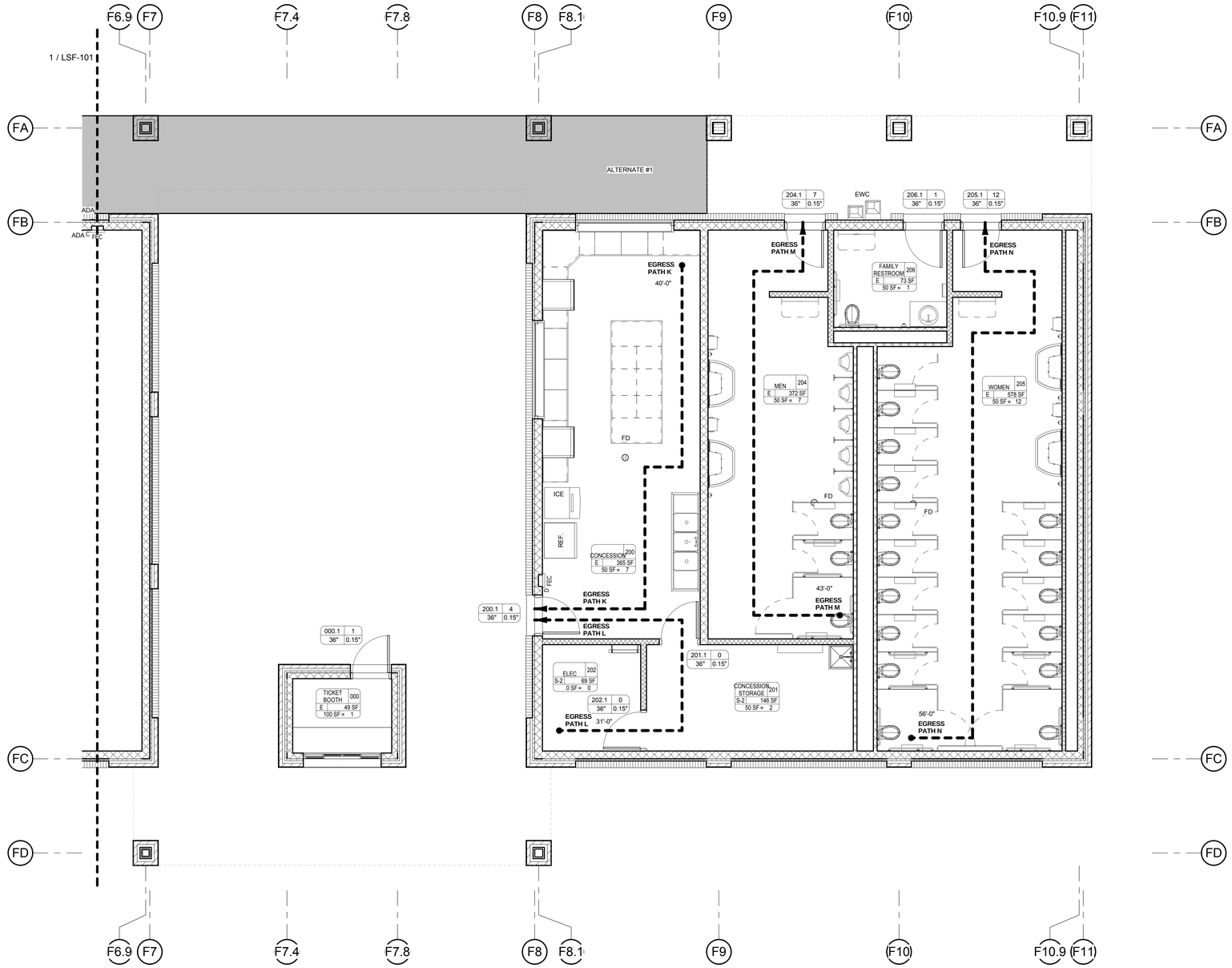
ANYTOWN PUBLIC SCHOOLS
2014 BOND - FIELD HOUSE
606 E. THIRD STREET, ANYTOWN, OK. 00000

SEAL:

REVISIONS

REV	DATE	DESCRIPTION
1	06/03/2015	FIRE MARSHALL REVISIONS

PROJ. MANAGER:
DRAWN BY:
CHECKED BY:
KEYPLAN:
DATE: MAY 11, 2015
PROJECT NO.: 1416
SHEET TITLE: LIFE SAFETY PLAN AND CODE ANALYSIS
SHEET NO.: LSF-101



1 LIFE SAFETY PLAN AND CODE ANALYSIS - CONCESSIONS

LSF-102 SCALE: 1/4" = 1'-0"
REF. TO SHT.:ADD-3.1

LIFE SAFETY LEGEND

ROOM TAG

ROOM NAME — NAME ## — ROOM NUMBER
OCCUPANCY TYPE — B ### SF — ROOM SF
SF PER PERSON — ### SF= ### — OCCUPANCY LOAD

DOOR TAG

DOOR NUMBER — ### ## — OCCUPANCY LOAD
DOOR WIDTH — 36" 0.15 — REQ'D WIDTH PER OCCUPANT

RATED CORRIDOR - REINFORCED, FULLY GROUTED CMU WALL - 4 HR RATED
EGRESS PATH
FEC — FIRE EXTINGUISHER CABINET
ADA — ADA PUSH BUTTON DOOR OPERATOR
1 — PARTITION KEY - REFER AC-400 PARTITION SCHEDULE

ANYTOWN PUBLIC SCHOOLS

2014 BOND - FIELD HOUSE

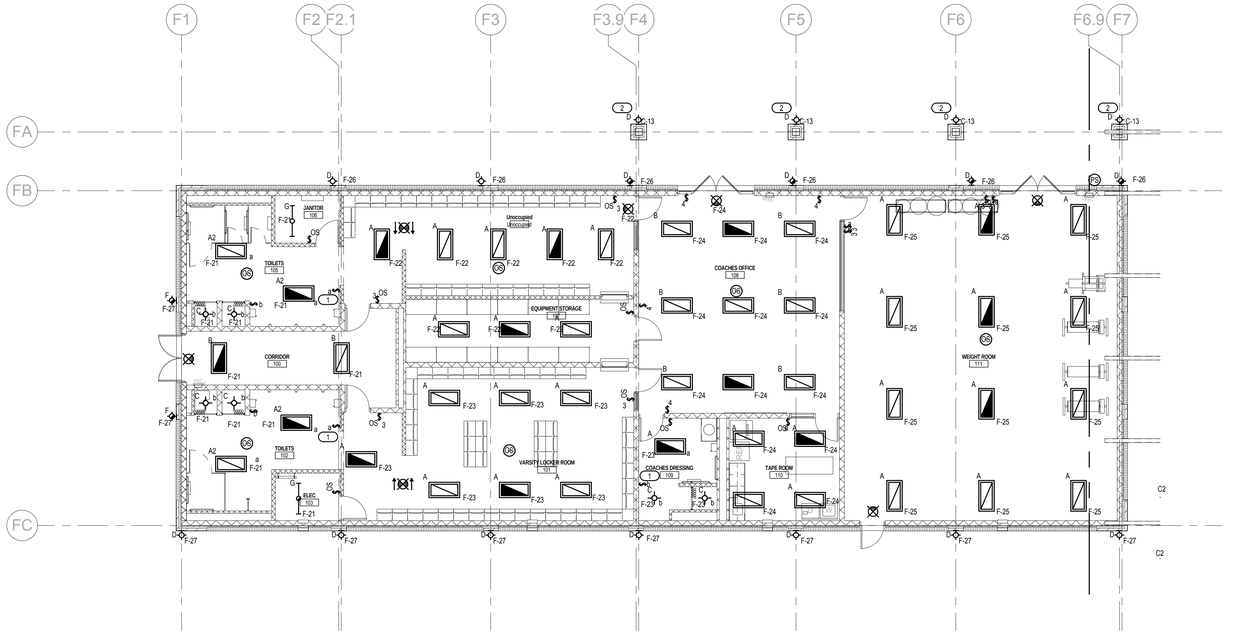
606 E. THIRD STREET, ANYTOWN, OK. 00000

SEAL:

REVISIONS

REV	DATE	DESCRIPTION
1	06/03/2015	FIRE MARSHALL REVISIONS

PROJ. MANAGER:
DRAWN BY:
CHECKED BY:
KEYPLAN:
DATE: MAY 11, 2015
PROJECT NO.: 1416
SHEET TITLE: LIFE SAFETY PLAN AND CODE ANALYSIS
SHEET NO.: LSF-102



1 LIGHTING PLAN - LOCKER ROOMS

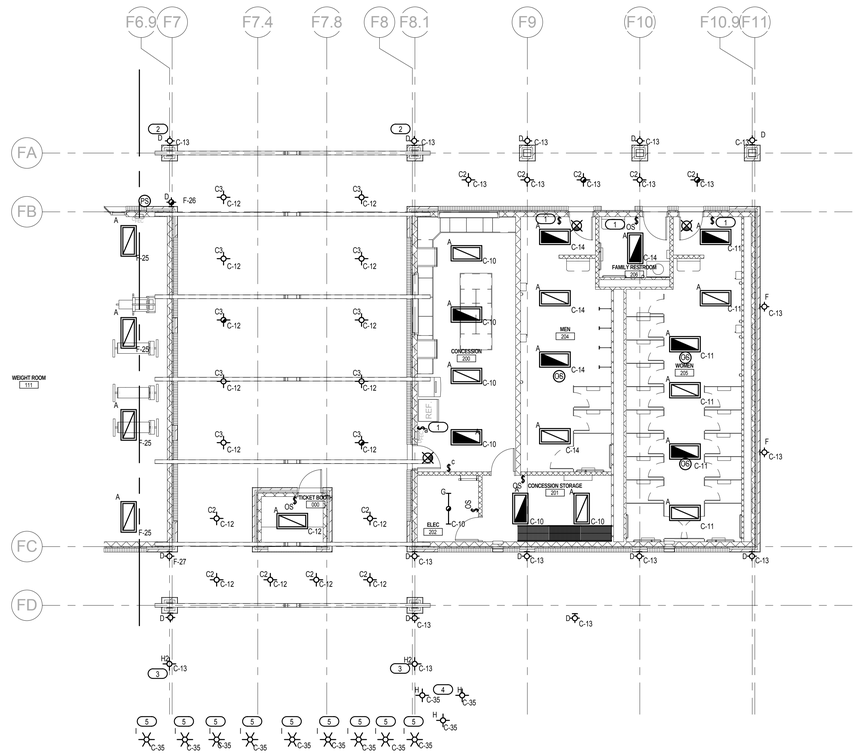
1/8" = 1'-0"

KEYED NOTES

1. EXHAUST FAN SHALL BE CONTROLLED FROM SWITCH CONTROLLING LIGHTS ON CIRCUIT
2. FIXTURES SHALL BE ON CIRCUIT FROM CONCESSION BUILDING. PILLARS AND FIXTURES ARE PART OF DEDUCT ALTERNATE.
3. UPLIGHT FOR SIGNAGE. VERIFY WITH ARCHITECT FOR EXACT LOCATION.
4. UPLIGHT FOR FLAG. VERIFY WITH ARCHITECT FOR EXACT LOCATION. FIXTURES. SHALL BE PLACED AT 1/3 OF HEIGHT OF POLE AWAY FROM BASE OF POLE. FIXTURES SPACED EVENLY AROUND POLE. POINT FIXTURE DIRECTLY AT FLAG.
5. BOLLARD FIXTURES. VERIFY WITH ARCHITECT FOR EXACT LOCATION.

GENERAL NOTES

1. ALL OUTDOOR LIGHTING SHALL BE RAN FROM PHOTOCELL/TIMECLOCK. SEE DETAIL.



2 LIGHTING PLAN - CONCESSIONS

1/8" = 1'-0"

ANYTOWN PUBLIC SCHOOLS
NEW FIELD HOUSE AND STEM CLASSROOM BUILDINGS
606 E. THIRD STREET, ANYTOWN, OK. 00000

SEAL:

REVISIONS

REV.	DATE	DESCRIPTION

PROJ. MANAGER:
DRAWN BY:
CHECKED BY:

KEYPLAN:

DATE: APR. 22, 2015
PROJECT NO.: 1416

SHEET TITLE: ELECTRICAL LIGHTING PLAN

SHEET NO.: EF-101

DESIGN PARAMETERS (EXCLUDING SAFEROOM)

1.		BUILDING CODE	IBC 2009
		LOCAL AMENDMENTS	N/A STRUCTURAL
		OCCUPANCY CATEGORY	III
2.		LIVE LOADS (UNIFORM/CONCENTRATED)	
	A.	ROOF	20 PSF / 300 LB
3.		ROOF SNOW LOAD	
	A.	GROUND SNOW LOAD, Pg	10 PSF
	B.	FLAT ROOF SNOW LOAD, Pf	7 PSF
	C.	SNOW EXPOSURE FACTOR, Ce	1.0
	D.	SNOW LOAD IMPORTANCE FACTOR, I	1.0
	E.	THERMAL FACTOR, Ct	1.0
4.		WIND DESIGN DATA	
	A.	BASIC WIND SPEED (3 SECOND GUST), V	90 MPH
	B.	WIND IMPORTANCE FACTOR, I	1.15
	C.	WIND EXPOSURE CATEGORY	C
	D.	INTERNAL PRESSURE COEFFICIENT, GCpi	+/- 0.18
	E.	DESIGN WIND PRESSURE ON COMPONENTS AND CLADDING	
		1.) WALLS (60 SQUARE FEET EFFECTIVE WIND AREA)	
		END ZONES	20.5 PSF
		INTERIOR ZONES	18 PSF
		2.) PARAPETS (10 SQUARE FEET EFFECTIVE WIND AREA)	
		END ZONES	65 PSF
		INTERIOR ZONES	48 PSF
		3.) ROOF NET UPLIFT (340 SQUARE FEET EFFECTIVE WIND AREA)	
		CORNER ZONES	16 PSF
		END ZONES	16 PSF
		INTERIOR ZONES	12 PSF
	F.	WIDTH OF END ZONE	5.4 FT
5.		EARTHQUAKE DESIGN DATA	
	A.	SEISMIC IMPORTANCE FACTOR, I	1.25
	B.	MAPPED SPECTRAL RESPONSE ACCELERATION, Ss	20.8%
	C.	MAPPED SPECTRAL RESPONSE ACCELERATION, S1	7.3%
	D.	SITE CLASS	C
	E.	SPECTRAL RESPONSE COEFFICIENT, Sds	.166
	F.	SPECTRAL RESPONSE COEFFICIENT, Sd1	.083
	G.	SEISMIC DESIGN CATEGORY	B
	H.	STRUCTURAL SYSTEM	--
		1.) BASIC SEISMIC FORCE-RESISTING SYSTEM TYPE	B. BEARING WALL SYSTEM
		2.) VERTICAL ELEMENT TYPE	INTERMEDIATE SHEAR WALLS
		3.) SEISMIC RESPONSE COEFFICIENT, Cs	.104
		4.) RESPONSE MODIFICATION FACTOR, R	2
	J.	ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE

GENERAL NOTES

GENERAL

1. STRUCTURAL ELEMENTS ARE NON-SELF SUPPORTING AND REQUIRE INTERACTION WITH OTHER ELEMENTS FOR STABILITY AND RESISTANCE TO LATERAL FORCES. FRAMING AND WALLS SHALL BE TEMPORARILY BRACED BY THE CONTRACTOR UNTIL PERMANENT BRACING, FLOOR AND ROOF DECKS, AND WALLS HAVE BEEN INSTALLED AND CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE.
2. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION, UNLESS NOTED OTHERWISE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATION OF CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO.
3. THE SIZE AND LOCATION OF EQUIPMENT PADS AND PENETRATIONS THROUGH THE STRUCTURE FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORK SHALL BE VERIFIED BY THE CONTRACTOR. PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER-OF-RECORD. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR OPENING LOCATIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
4. USE ONLY DIMENSIONS INDICATED IN THE CONTRACT DOCUMENTS. DO NOT SCALE CONTRACT DOCUMENTS OR USE ANY DIMENSIONS TAKEN FROM ELECTRONIC DRAWING FILES.
5. ASSUME EQUAL SPACING IF NOT INDICATED IN CONTRACT DOCUMENTS.
6. THE SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUCTION WITH THE CONTRACT DRAWINGS. WHERE REQUIREMENTS INDICATED ON THE CONTRACT DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY THE ARCHITECT AND THE ENGINEER-OF-RECORD.
7. ARCHITECTURAL, MECHANICAL AND ELECTRICAL COMPONENTS AND SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST SEISMIC FORCES AS DETERMINED IN CHAPTER 13 OF ASCE 7.
8. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE TEMPORARY SUPPORT AND STABILITY OF EXISTING STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
9. DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT, THE CONTRACTOR SHALL PROVIDE ADEQUATE FIRE PROTECTION TO THE EXISTING STRUCTURE AND CONTENTS.

FOUNDATIONS

1. FOUNDATION DESIGNS, SUBGRADE PREPARATION NOTES, AND STRUCTURAL EARTH MOVING SPECIFICATION ARE BASED ON THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT NUMBER 731-14148A AND 731-14148B, BY: BURGESS ENGINEERING AND TESTING, INC. DATED: OCTOBER 29, 2014.
2. FOOTING DESIGNS ARE BASED ON A MAXIMUM ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF FOR COLUMN FOOTINGS AND 1,400 PSF FOR WALL FOOTINGS.
3. CONTRACTOR AND TESTING LABORATORY REPRESENTATIVE SHALL READ THE GEOTECHNICAL REPORT AND BECOME THOROUGHLY FAMILIAR WITH SITE AND SUBGRADE INFORMATION GIVEN THEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT QUANTITIES OF CUT AND FILL FOR ESTIMATING AND CONSTRUCTION. SUBGRADE SHALL BE PREPARED AS NOTED IN THE STRUCTURAL EARTH MOVING SPECIFICATION.
4. A QUALIFIED AND REGISTERED GEOTECHNICAL ENGINEER, LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND WORKING FOR THE TESTING LABORATORY, SHALL DETERMINE CONFORMANCE OF THE FOUNDATION BEARING STRATA WITH THE FOUNDATION DESIGN CRITERIA ABOVE, AND ALL OTHER CONTRACT DOCUMENTS. TESTING LABORATORY SHALL NOTIFY CONTRACTOR, ARCHITECT AND ENGINEER-OF-RECORD OF ANY CONDITIONS NOT IN ACCORDANCE WITH FOUNDATION DESIGN CRITERIA OR CONTRACT DOCUMENTS.
5. USE ONLY STRUCTURAL FILL MATERIAL AS NOTED IN THE STRUCTURAL EARTH MOVING SPECIFICATION FOR FILL BELOW BUILDING AND FIVE FEET BEYOND THE EDGES OF THE BUILDING.
6. EXTERIOR FOOTINGS SHALL BEAR AT OR BELOW MINIMUM BEARING DEPTH. MINIMUM BEARING DEPTH IS 24 INCHES BELOW ADJACENT FINISHED GRADE. THICKENED SLAB EDGE FOR STOOPS, CANOPIES, ETC. SHALL EXTEND 24 INCHES BELOW GRADE UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS.
7. FOUNDATION WALLS SHALL HAVE ADEQUATE TEMPORARY BRACING INSTALLED BY THE CONTRACTOR BEFORE BACKFILL IS PLACED AGAINST THEM. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL WALL IS PERMANENTLY BRACED.
8. AVOID DAMAGE TO UNDERGROUND UTILITIES INCLUDING, BUT NOT LIMITED TO, WATER MAINS, SANITARY SEWERS AND BURIED CABLES WHICH MIGHT EXTEND ACROSS OR ADJOIN SITE.

CONCRETE

1. MINIMUM COMPRESSIVE STRENGTH (f'c) AT THE END OF 28 DAYS SHALL BE AS FOLLOWS:
   A. FOOTINGS — 3000 PSI
   B. FOUNDATION WALLS AND PEDESTALS — 4000 PSI
   C. SLABS-ON-GRADE — 3000 PSI

   REFER TO SPECIFICATIONS FOR MAXIMUM WATER/CEMENT RATIOS, MINIMUM CEMENT CONTENTS AND OTHER MIX DESIGN REQUIREMENTS. CONCRETE SHALL BE NORMAL WEIGHT (145 PCF), UNLESS NOTED OTHERWISE.
2. EXTERIOR CONCRETE AND CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL BE AIR-ENTRAINED. REFER TO CAST-IN-PLACE CONCRETE SPECIFICATION FOR AIR CONTENT.
3. MATERIALS OR ADMIXTURES SHALL NOT CONTAIN ANY CALCIUM CHLORIDE.
4. REINFORCING STEEL SHALL MEET THE FOLLOWING:
   A. DEFORMED BARS — ASTM A615, GRADE 60
   B. WELDABLE DEFORMED BARS — ASTM A706, GRADE 60
   C. WELDED WIRE FABRIC — ASTM A185
   D. STEEL FIBERS — ASTM A820
5. WHERE DOWELS ARE INDICATED BUT NOT SIZED, PROVIDE DOWELS THAT MATCH SIZE AND LOCATION OF MAIN REINFORCING STEEL AND LAP SPLICE WITH THE MAIN REINFORCING STEEL. REINFORCING BARS SHALL BE SPLICED AS NOTED IN THE REINFORCING LAP SCHEDULE.
6. REFER TO ACI 318 LATEST EDITION FOR CONCRETE COVER, ACI 315 LATEST EDITION FOR DETAILING PRACTICES AND FABRICATION, AND ACI 301 LATEST EDITION FOR STANDARD PRACTICE FOR MIXING AND PLACING CONCRETE.
7. "C.J." INDICATES SAW CUT CONTRACTION JOINT OR DOWELED CONSTRUCTION JOINT IN SLAB-ON-GRADE. REFERENCE CAST-IN-PLACE CONCRETE SPECIFICATION FOR ACCEPTED SAW CUT METHODS. SLAB POURS SHALL BE SEPARATED BY A DOWELED CONSTRUCTION JOINT. CONTRACTION/CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER-OF-RECORD.
8. PROVIDE CORNER BARS THAT MATCH AND LAP CONTINUOUS REINFORCEMENT SIZE AND QUANTITY AT INTERSECTIONS AND CORNERS OF WALLS AND FOUNDATIONS.
9. ANCHORS INSTALLED IN HARDENED CONCRETE SHALL ONLY BE USED WHERE SPECIFIED ON THE CONTRACT DRAWING. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REINFORCING. HOLES SHALL BE DRILLED, DRY AND CLEANED AND ANCHORS INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED WRITTEN INSTRUCTIONS AND APPLICABLE ESR REPORT. REFERENCE DETAILS FOR ANCHOR SIZE AND EMBEDMENT. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED ON THE CONTRACT DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION AND LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.
11. INCLUDE AN ALLOWANCE IN THE BID PRICE FOR 1000 POUNDS OF REINFORCING STEEL TO BE FABRICATED AND PLACED AS DIRECTED BY THE ARCHITECT OR ENGINEER. ALLOWANCE IS TO INCLUDE, BUT IS NOT LIMITED TO: MATERIAL, DETAILING, FABRICATION, SHIPPING, INSTALLATION, OVERHEAD AND PROFIT.

GENERAL NOTES

MASONRY

1. CONCRETE MASONRY UNITS SHALL MEET ASTM SPECIFICATION C90, GRADE N TYPE I BLOCK WITH A MINIMUM UNIT COMPRESSIVE STRENGTH = 1900 PSI. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF THE CONCRETE MASONRY ASSEMBLY (f'm) SHALL BE 1500 PSI.
2. MORTAR SHALL MEET ASTM SPECIFICATION C270 FOR TYPE "S" MORTAR.
3. GROUT SHALL MEET ASTM SPECIFICTION C476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.
4. GROUT PLACED BY THE LOW LIFT GROUTING METHOD SHALL BE MECHANICALLY CONSOLIDATED USING A VIBRATOR WITH A MAXIMUM 3/4 INCH DIAMETER HEAD. REFERENCE THE CONCRETE UNIT MASONRY SPECIFICATION FOR HIGH LIFT GROUTING PROCEDURES.
5. HORIZONTAL JOINT REINFORCEMENT SHALL BE LADDER TYPE (REFERENCE THE CONCRETE UNIT MASONRY SPECIFICATION). JOINT REINFORCEMENT SHALL BE SPACED AT 8 INCHES ON CENTER BELOW FINISHED FLOOR AND IN PARAPETS, AND 16 INCHES ON CENTER ABOVE FINISHED FLOOR.
6. CONCRETE MASONRY SHALL BE LAID IN RUNNING BOND.
7. CONCRETE MASONRY BELOW FINISHED FLOOR SHALL BE NORMAL WEIGHT UNITS AND SHALL HAVE ALL THE CELLS FULLY GROUTED. CONCRETE MASONRY ABOVE FINISHED FLOOR SHALL BE NORMAL WEIGHT OR LIGHT WEIGHT AND IS TO BE GROUTED ONLY AT REINFORCED CELLS AND BOND BEAMS. ALL CELLS WITH REINFORCING SHALL BE GROUTED SOLID.
8. REFER TO WALL SECTIONS AND DETAILS FOR MISCELLANEOUS BOND BEAM LOCATIONS AND EMBEDDED ITEMS. USE OPEN KNOCK OUT BOND BEAM BLOCK. DO NOT USE TROUGH TYPE BLOCKS FOR BOND BEAMS. DO NOT CONTINUE BOND BEAM REINFORCING THROUGH CONTROL JOINTS.
9. REINFORCING STEEL SHALL MEET ASTM SPECIFICATION A615, GRADE 60.
10. ANCHORS INSTALLED IN GROUT FILLED CONCRETE MASONRY UNITS SHALL ONLY BE USED WHERE SPECIFIED IN THE CONTRACT DOCUMENTS . ANCHORS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. USE HILTI HIT-HY 70 MAX ADHESIVE ANCHORING SYSTEM (OR HILTI HIT ICE ADHESIVE ANCHORING SYSTEM OR HILTI KWIK BOLT 3 EXPANSION ANCHOR). REFERENCE CONTRACT DOCUMENTS FOR ANCHOR SIZE AND EMBEDMENT. SUBSTITUTIONS TO THE SPECIFIED ANCHORS MUST BE APPROVED BY THE ENGINEER-OF-RECORD.
11. CONSTRUCTION BRACING FOR MASONRY WALLS SHALL BE DESIGNED AND DETAILED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. MASONRY SUBMITTALS SHALL CONTAIN A LETTER, SEALED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION, STATING DESIGN LOADS AND CRITERIA WHICH WERE USED IN BRACING DESIGN. THE BRACING DESIGN DRAWINGS SHALL BE SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION AND SHALL BE ISSUED TO THE OWNER AFTER SUBMITTAL REVIEW AND PRIOR TO STARTING MASONRY CONSTRUCTION.
12. PROVIDE GALVANIZED L4x4X3/8 STEEL LINTEL IN MASONRY VENEER AS REQUIRED. MAXIMUM CLEAR SPAN = 4'-0" AND GALVANIZED L5x5x3/8 MAXIMUM CLEAR SPAN = 8'-0". ANGLE TO BEAR ON MASONRY VENEER 8" EACH SIDE TYP., U.N.O.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL MEET THE FOLLOWING MINIMUM YIELD STRESS (Fy):

.	YIELD	ASTM SPECIFICATION
A. W, WT SHAPES:	50 KSI	A992
B. BARS, PLATES, CHANNELS, ANGLES:	36 KSI	A36
C. SQUARE, RECTANGULAR HSS:	46 KSI	A500, GRADE B
D. ROUND HSS:	42 KSI	A500, GRADE B
E. STRUCTURAL STEEL PIPE:	35 KSI	A53, GRADE B
F. ANCHOR RODS:	36 KSI	F1554 GR 36
G. ALL-THREAD RODS:	36 KSI	A36
H. HEADED STUD ANCHORS:	65 KSI TENSILE STRESS	A108, GRADES 1010-1020

2. BOLTS FOR STEEL BEAM AND COLUMN CONNECTIONS SHALL BE 3/4-INCH DIAMETER ASTM A325-N HIGH-STRENGTH BOLTS UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS. ALL BOLTED CONNECTIONS ARE BEARING TYPE UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS. ALL BOLTS SHALL BE TIGHTENED SNUG TIGHT UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS . FOR PRETENSIONED OR SLIP-CRITICAL JOINTS, THE METHOD OF INSTALLATION SHALL BE TURN-OF-NUT WITH MATCH MARKING, TWIST-OFF-TYPE TENSION CONTROL BOLT ASSEMBLIES (ASTM F1852), OR DIRECT TENSION INDICATORS (ASTM F959).
3. WELDING SHALL MEET ANSI / AWS D1.1, STRUCTURAL WELDING CODE LATEST REVISION. ELECTRODES SHALL BE 70 KSI, LOW HYDROGEN.
4. PROVIDE DOUBLE NUTS AND DOUBLE WASHERS FOR STEEL COLUMN ANCHOR BOLTS TO ALLOW FOR ADJUSTMENT IN BASE PLATE ELEVATION. PROVIDE 1 1/2 INCH NON-SHRINK GROUT UNDER BASE PLATE AFTER ERECTION. USE 2 1/2 INCH NON-SHRINK GROUT WHEN COLUMN ANCHOR BOLTS ARE 1 1/4 INCH DIAMETER OR LARGER. NON-SHRINK GROUT SHALL BE NON-METALLIC WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.
5. ALL CONNECTIONS NOT FULLY DETAILED IN THE CONTRACT DOCUMENTS SHALL BE DESIGNED AND DETAILED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED, EMPLOYED OR RETAINED BY THE STEEL FABRICATOR. THE DESIGN AND DETAILING SHALL COMPLY WITH ALL APPLICABLE CODES AND SPECIFICATION SECTIONS.
6. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING THE COSTS FOR ALL MISCELLANEOUS STEEL SHOWN IN THE CONTRACT DOCUMENTS. THESE COSTS SHALL INCLUDE, BUT ARE NOT LIMITED TO, MISCELLANEOUS STEEL ITEMS SHOWN ON THE STRUCTURAL, ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
7. INCLUDE AN ALLOWANCE IN THE BID PRICE FOR 1500 POUNDS OF MISCELLANEOUS STRUCTURAL STEEL TO BE FABRICATED AND PLACED AS DIRECTED BY THE ARCHITECT OR ENGINEER. ALLOWANCE IS TO INCLUDE, BUT IS NOT LIMITED TO: MATERIAL, DETAILING, FABRICATION, SHIPPING, INSTALLATION, OVERHEAD AND PROFIT.
8. PROVIDE L5x3x1/4 (LLV) FIELD FABRICATED FRAMES BETWEEN JOISTS AT OPENINGS IN ROOF THAT ARE GREATER THAN 10"x10", U.N.O., (INCLUDING ROOF DRAINS, EXHAUST FANS, RE: SF-300, AND SC-300 FOR OPENINGS AT RTU'S AND ROOF HATCHES).

STEEL JOISTS (AND JOIST GIRDERS)

1. STEEL JOISTS (AND JOIST GIRDERS) SHALL BE AS INDICATED ON THE PLANS AND SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE (SJI) AND MEET THE FOLLOWING:
   A. JOISTS SHALL BE DESIGNED FOR THE UNIFORM LOAD CAPACITY (AS SPECIFIED IN THE SJI STANDARD LOAD TABLES) IN ADDITION TO THE CONCENTRATED LOADS SHOWN IN THE CONTRACT DOCUMENTS.
   B. JOISTS THAT SUPPORT CONCENTRATED LOADS SHALL HAVE THEIR CHORDS DESIGNED TO WITHSTAND ALL BENDING STRESSES, OR THE LOADS SHALL OCCUR WITHIN 3 INCHES OF JOIST PANEL POINTS, OR THE JOIST SHALL BE REINFORCED PER THE "JOIST REINFORCING DETAIL" SHOWN HEREIN. CONCENTRATED LOADS SHALL BE CENTERED ON JOISTS AND NOT ATTACHED TO THE EDGE OF CHORD ANGLES.
   C. JOISTS (AND JOISTS GIRDERS) SHALL RESIST THE NET UPLIFT PRESSURE AS INDICATED ON THE "ROOF (NET UPLIFT)" SECTION OF THE DESIGN PARAMETERS FOR "DESIGN WIND PRESSURE ON COMPONENTS AND CLADDING". THIS PRESSURE SHALL ACT ALONE. AN ALLOWABLE STRESS INCREASE IS NOT PERMITTED.
   D. FOR ALL MEMBERS THAT REQUIRE SPECIFIC ORIENTATION, PROVIDE TAG AT ONE END AND DEFINE LOCATION OF TAGGED END ON ERECTION DRAWINGS.
   E. JOIST (AND JOIST GIRDER) MANUFACTURER SHALL DETERMINE THE SEAT DEPTH AND WIDTH OF BEARING AND COORDINATE THE SAME WITH THE STEEL FABRICATOR. THE FOLLOWING SEAT DEPTHS ARE ASSUMED IN THE CONTRACT DOCUMENTS: 2 1/2 INCH FOR K-SERIES JOISTS (5 INCH FOR LH AND DLH SERIES JOISTS) (7 1/2 INCH FOR JOIST GIRDERS).
2. K-SERIES JOISTS SHALL BE WELDED TO SUPPORTING STEEL WITH MINIMUM 1/8 INCH FILLET WELDS 2 INCHES LONG EACH SIDE OR WITH TWO 1/2 INCH DIAMETER ASTM A307 BOLTS OR THE EQUIVALENT, UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS. WHEN NEAR OR AT A COLUMN, BOLT JOIST TO SUPPORTING STEEL IN CONFORMANCE WITH OSHA. LH AND DLH-SERIES JOISTS SHALL BE WELDED TO SUPPORTING STEEL WITH MINIMUM 1/4 INCH FILLET WELDS 2 INCHES LONG EACH SIDE OR WITH TWO 3/4 INCH DIAMETER ASTM A307 BOLTS OR THE EQUIVALENT, UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS.
3. JOIST BRIDGING AND ERECTION STABILITY SHALL BE PROVIDED IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HAZARD ADMINISTRATION (OSHA) AND THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE (SJI).
4. JOIST RTU LOADS ARE PROVIDED ON THE ROOF FRAMING PLAN, REFERENCE CONTRACT DOCUMENTS FOR LOAD LOCATIONS, VALUES AND SUPPORT FRAMING.
5. JOIST MANUFACTURER SHALL DESIGN THE COMPRESSION CHORD OF ALL JOISTS SUPPORTING ROOF TOP UNITS, SKY LIGHTS, AND OTHER STRUCTURES FOR AN UNBRACED LENGTH APPLICABLE TO THE CONDITIONS AT THE PROJECT WHERE THE UNBRACED LENGTH IS GREATER THAN THE SJI MAXIMUM. (REFERENCE ARCHITECTURAL AND MECHANICAL DRAWINGS)
6. DESIGN JOISTS FOR INTERNAL ROOF DRAINLINE LOCATIONS, IF REQUIRED. ADD 50 PLF FOR 8 INCH DIAMETER AND SMALLER, ADD 75 PLF FOR 10 INCH DIAMETER, ADD 102 PLF FOR 12 INCH DIAMETER, ADD 122 PLF FOR 14 INCH DIAMETER, ADD 200 PLF FOR 18 INCH DIAMETER. REFERENCE MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION.
7. JOIST DESIGNS SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED, EMPLOYED OR RETAINED BY THE JOIST MANUFACTURER.
8. SHOP DRAWING SHALL BE REVIEWED BY THE ARCHITECT AND THE ENGINEER-OF-RECORD PRIOR TO JOIST FABRICATION.

STEEL DECK

1. ROOF DECK
   A. ROOF DECK SHALL BE GALVANIZED 1.5 INCH TYPE "B" OR 3 INCH TYPE "N". DEPTH SHALL BE AS SHOWN IN THE CONTRACT DOCUMENTS.
   B. ROOF DECK IS REQUIRED TO ACT AS A DIAPHRAGM. CONNECTIONS SHALL BE IN ACCORDANCE WITH STEEL DECK INSTITUTE SPECIFICATIONS. REFER TO THE ROOF DIAPHRAGM CONNECTION DIAGRAM FOR ATTACHMENT.
   C. DECKING SHALL BE CONTINUOUS OVER A MINIMUM OF (3) SPANS UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
   D. NO HANGING LOADS SHALL BE ATTACHED TO ROOF DECK.
2. FLOOR DECK
   A. COMPOSITE FLOOR DECK SHALL BE GALVANIZED COMPOSITE STEEL DECK. DEPTH SHALL BE AS SHOWN IN THE CONTRACT DOCUMENTS.
   B. CONNECTIONS SHALL BE IN ACCORDANCE WITH STEEL DECK INSTITUTE SPECIFICATIONS AND AS FOLLOWS:
   1) RE: ROOF FRAMING PLAN FOR DECK ATTACHMENT REQUIREMENTS.
   2) DECKING SHALL BE CONTINUOUS OVER A MINIMUM OF (3) SPANS, UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS.

GENERAL NOTES

COLD FORMED METAL FRAMING

1. ANY METAL STUD WALLS SHALL BE SPACED AT A MAXIMUM OF 16" ON CENTER (U.N.O.) AND SHALL BE CONSTRUCTED OF STEEL "C" STUDS OF THE SIZE SHOWN IN THE PLANS. MINIMUM WIDTH OF THE STUDS SHALL BE 1 5/8" AND THE LIP OF THE "C" PORTION SHALL BE A MINIMUM OF 1/2". YIELD STRENGTH SHALL BE AS FOLLOWS: 33 KSI FOR 18 GAGE AND LIGHTER, 50KSI FOR 16 GAGE AND HEAVIER. MINIMUM GROSS SECTION PROPERTIES SHALL BE BASED ON UNIMAST CSJ SECTIONS.
2. WALL STUDS AS BACKING TO MASONRY VENEER SHALL SHALL HAVE A MINIMUM THICKNESS OF 43 MILS (18 GA).
3. METAL FRAMING SHALL BE IN ACCORDANCE WITH THE FOLLOWING, UNLESS NOTED OTHERWISE:
   A. 54 MILS (16 GA) AND HEAVIER — ASTM A1003, GRADE 50 TYPE H (ST50H)
   B. 43 MILS (18 GA) AND LIGHTER — ASTM A1003, GRADE 33 TYPE H (ST33H)
   C. ACCESSORIES, TRACK AND OTHER MEMBERS — ASTM A1003, GRADE 33 TYPE H (ST33H), MINIMUM
4. DO NOT WELD 33 MILS (20 GA) AND LIGHTER FRAMING, UNLESS SPECIFICALLY NOTED IN THE CONTRACT DOCUMENTS.
5. METAL FRAMING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS. HORIZONTAL BRACING FOR WALL STUDS SHALL BE PLACED AT 48 INCHES ON CENTER OR AS PER MANUFACTURER'S WRITTEN RECOMMENDATIONS IF LESS THAN 48 INCHES ON CENTER. HORIZONTAL BRIDGING FOR JOISTS SHALL BE PLACED AT 8'-0" ON CENTER OR AS PER MANUFACTURER'S WRITTEN RECOMMENDATIONS IF LESS THAN 8'-0" ON CENTER. APPLIED FINISH MATERIALS SHALL NOT BE CONSIDERED BRIDGING OR FLANGE BRACING UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
6. ALL AXIALLY LOADED WALL STUDS SHALL HAVE FULL FLANGE BEARING AGAINST UPPER AND LOWER TRACK WEB PRIOR TO ATTACHMENT TO TRACK. SPLICES IN AXIALLY LOADED WALL STUDS ARE NOT ALLOWED.
9. TRACK SHALL BE 54 MILS (16 GA) MINIMUM FOR WALL STUDS 54 MILS (16 GA) OR LIGHTER. TRACK SHALL MATCH WALL STUD THICKNESS FOR WALL STUDS 68 MILS (14 GA) AND HEAVIER. TRACKS SHALL BE ANCHORED AS FOLLOWS:
   TO STEEL - HILTI X-U, 0.157 INCH DIAMETER KNURLED SHANK FASTENERS AT 12 INCHES ON CENTER (ESR-2269) OR APPROVED EQUAL, UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS.
   TO CONCRETE - HILTI X-U, 0.157 INCH DIAMETER KNURLED SHANK FASTENERS AT 8 INCHES ON CENTER WITH 1 1/2 INCH EMBEDMENT (ESR-2269) OR APPROVED EQUAL, UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS.
10. CONNECTIONS SHALL CONSIST OF ANY OF THE FOLLOWING AS NOTED IN THE CONTRACT DOCUMENTS:
   A. SELF-DRILLING SCREWS OF TYPE AND SIZE AS SHOWN IN THE CONTRACT DOCUMENTS.
   B. WELDS SHALL BE PERFORMED BY OPERATORS QUALIFIED IN ACCORDANCE WITH SECTION 6.0 OF AWS D1.3, SHEET METAL.

DEFERRED STRUCTURAL SUBMITTALS

1. THE FOLLOWING STRUCTURAL COMPONENTS SHALL BE DESIGNED AND SUBMITTED BY OTHERS FOR APPROVAL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
   A. STOREFRONT AND CURTAINWALL FRAMING, ACCESSORIES, AND ATTACHMENTS TO STRUCTURE.
2. DOCUMENTS FOR DEFERRED STRUCTURAL SUBMITTAL ITEMS SHALL BE DESIGNED, SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. THE DEFERRED SUBMITTAL DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER-OF-RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL AS REQUESTED WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED FOR DESIGN LOADS AND BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN CRITERIA OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

SPECIAL INSPECTIONS

1. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS PER SECTION 1704 OF THE IBC. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE PROJECT SPECIFICATIONS.
2. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR REGARDING INDIVIDUAL INSPECTION FOR ITEMS LISTED ON THE STATEMENT OF SPECIAL INSPECTIONS AND AS NOTED ON THE BUILDING DEPARTMENT APPROVED PLANS. ADEQUATE NOTICE AND ACCESS TO APPROVED PLANS SHALL BE PROVIDED SO THAT THE SPECIAL INSPECTOR HAS TIME TO BECOME FAMILIAR WITH THE PROJECT.
4. FABRICATORS OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1704.2 OF THE IBC.

STRUCTURAL OBSERVATION REQUIREMENTS (SAFE ROOM ONLY)

1. A REPRESENTATIVE OF THE ENGINEER OF RECORD WILL PERFORM THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTION REQUIRED OF THE BUILDING OFFICIAL OR THE SPECIAL INSPECTOR.
2. A PRE-CONSTRUCTION MEETING SHALL BE HELD AND ATTENDED BY THE ARCHITECT, ENGINEER OF RECORD, GENERAL CONTRACTOR, SUBCONTRACTORS, AND SPECIAL INSPECTORS.
3. THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD (or name of other registered design professional or firm employed by the owner) AT LEAST 48 HOURS PRIOR TO COMPLETING CONSTRUCTION OPERATIONS THAT REQUIRE STRUCTURAL OBSERVATION (BY CALLING (918) 584-5858 TO SCHEDULE A SITE VISIT.)
4. AT A MINIMUM, THE FOLLOWING SIGNIFICANT CONSTRUCTION STAGES REQUIRE A SITE VISIT AND AN OBSERVATION REPORT FROM THE STRUCTURAL OBSERVER:
   A. AFTER INSTALLATION OF FIRST FOUNDATION REINFORCING AND BEFORE CONCRETE PLACEMENT.
   B. AFTER ERECTION OF FIRST LIFT OF CMU WALL AND BEFORE GROUT PLACEMENT.
   C. AFTER INSTALLATION OF CONCRETE ROOF REINFORCING AND BEFORE CONCRETE PLACEMENT.

ABBREVIATIONS

A.B.	ANCHOR BOLTS
A.F.F.	ABOVE FINISHED FLOOR
ACI	AMERICAN CONCRETE INSTITUTE
ADJ.	ADJUST
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
ARCH.	ARCHITECTURAL
B.L.	BLOCK LINTEL
B.O.	BOTTOM OF
B.O.D.	BOTTOM OF DECK
BAL.	BALANCE
BLDG.	BUILDING
BOT.	BOTTOM
BRG.	BEARING
C.J.	CONTRACTION JOINT
C.L.	CENTER LINE
CFMF	COLD FORMED METAL FRAMING
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
D.B.A.	DEFORMED BAR ANCHOR
DIA.	DIAMETER
DIAG.	DIAGONAL
DTL.	DETAIL
DWG.	DRAWING
E.A.	EACH
E.F.	EACH FACE
E.J.	EXPANSION JOINT
E.O.D.	EDGE OF DECK
E.O.S.	EDGE OF SLAB
E.W.	EACH WAY
ELEC.	ELECTRICAL
ELEV. OR EL.	ELEVATION
EQ.	EQUAL
EXIST.	EXISTING
F.F.E.	FINISHED FLOOR ELEVATION
F.S.	FAR SIDE
FDN.	FOUNDATION
FLR.	FLOOR
FTG.	FOOTING
G.B.	GRADE BEAM
G.C.	GENERAL CONTRACTOR
GA.	GAGE
GALV.	GALVANIZED
H	HEIGHT
H.S.A.	HEADED STUD ANCHOR
HORIZ.	HORIZONTAL
IBC	INTERNATIONAL BUILDING CODE
INFO.	INFORMATION
J.B.E.	JOIST BEARING ELEVATION
JT.	JOINT
K	UNIT OF 1,000 POUNDS (KIP)

ABBREVIATIONS

KSI	KIPS PER SQUARE INCH
L	LENGTH
L.F.H.	LONG FACE HORIZONTAL
LBS.	POUNDS
LG.	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG.	LONGITUDINAL
MAX.	MAXIMUM
MCJ	MASONRY CONTROL JOINT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
N.I.C.	NOT IN CONTRACT
N.S.	NEAR SIDE
N.T.S.	NOT TO SCALE
NO.	NUMBER
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.H.	OPPOSITE HAND
P.A.F.	POWER ACTUATED FASTENER
PCF	POUNDS PER CUBIC FOOT
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PMEJ	PREMOLDED EXPANSION JOINT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
QTY.	QUANTITY
R.O.	ROUGH OPENING
RE:	REFER
REINF.	REINFORCING
REQD.	REQUIRED
RTU	ROOF TOP UNIT
S.D.S.	SELF-DRILLING SCREWS
SCHED.	SCHEDULE
SIM.	SIMILAR
SJI	STEEL JOIST INSTITUTE
SPECS.	SPECIFICATIONS
STD.	STANDARD
STL.	STEEL
T	THICK
T&B	TOP AND BOTTOM
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.P.	TOP OF PIER
T.O.W.	TOP OF WALL
TL	TOTAL LOAD
TRANS.	TRANSVERSE
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
W	WIDE
W.P.	WORK POINT
W.W.F.	WELDED WIRE FABRIC
WT.	WEIGHT

STATEMENT OF SPECIAL INSPECTIONS (IBC 2009)

		REQUIRED VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION CONTINUOUS	PERIODIC
I.		STEEL CONSTRUCTION (IBC TABLE 1704.3)		
1.		MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:		
	A.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X
	B.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X
2.		INSPECTION OF HIGH STRENGTH BOLTING:		
	A.	SNUG-TIGHT JOINT.	---	X
	B.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	---	X
	C.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	X	---
3.		MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:		
	A.	FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.	---	X
	B.	FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X
	C.	MANUFACTURER'S CERTIFIED TEST REPORTS.	---	X
4.		MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		
	A.	IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X
	B.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X
5.		INSPECTION OF WELDING:		
	A.	STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:	---	---
		1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS.	X	---
		2) MULTIPASS FILLET WELDS.	X	---
		3) SINGLE-PASS FILLET WELDS > 5/16"	X	---
		4) PLUG AND SLOT WELDS.	X	---
		5) SINGLE-PASS FILLET WELDS < OR = 5/16"	---	X
		6) FLOOR AND ROOF DECK WELDS.	---	X
	B.	REINFORCING STEEL:	---	---
		1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706	---	X
		2) SHEAR REINFORCEMENT	X	---
		3) OTHER REINFORCING STEEL.	---	X
6.		INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE		
	A.	DETAILS SUCH AS BRACING AND STIFFENING.	---	X
	B.	MEMBER LOCATIONS.	---	X
	C.	APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	---	X
II.		CONCRETE CONSTRUCTION (IBC TABLE 1704.4)		
1.		INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	---	X
2.		INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5B.	---	---
3.		INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	X	---
4.		INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.	---	X
5.		VERIFYING USE OF REQUIRED DESIGN MIX.	---	X
6.		AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---
7.		INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---
8.		INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X
9.		VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	---	X
10.		INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X
III.		MASONRY CONSTRUCTION - LEVEL 1 (IBC TABLE 1704.5.1)		
1.		COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	---	X
2.		VERIFICATION OF f'm AND f'aac PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	---	X
3.		VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATION GROUT.	X	--
4.		AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
	A.	PROPORTIONS OF SITE-PREPARED MORTAR.	---	X
	B.	CONSTRUCTION OF MORTAR JOINTS.	---	X
	C.	LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	---	X
5.		DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:		
	A.	SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	---	X
	B.	TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	---	X
	C.	SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES.	---	X
	D.	WELDING OF REINFORCING BARS.	X	---
	E.	PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEG. F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEG. F.)	---	X
6.		PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
	A.	GROUT SPACE IS CLEAN	---	X
	B.	PLACEMENT OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	---	X
	C.	PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	---	X
	D.	CONSTRUCTION OF MORTAR JOINTS.	---	X
7.		GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE.	X	---
8.		PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	--	X
V.		REQUIRED VERIFICATION AND INSPECTION OF SOILS (IBC TABLE 1704.7)		
1.		VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X
2.		VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
3.		PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	---	X
4.		VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	---
5.		PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X

SEAL:

ANYTOWN PUBLIC SCHOOLS

2014 BOND - FIELD HOUSE

606 E. THIRD STREET, ANYTOWN, OK. 00000

REVISIONS

REV.	DATE	DESCRIPTION

PROJ. MANAGER:

DRAWN BY:

CHECKED BY:

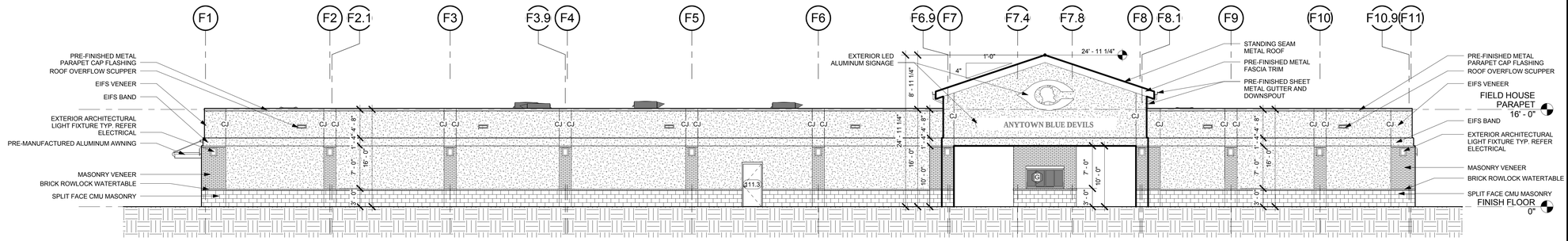
KEYPLAN:

DATE: APR. 22, 2015

PROJECT NO.: 1416

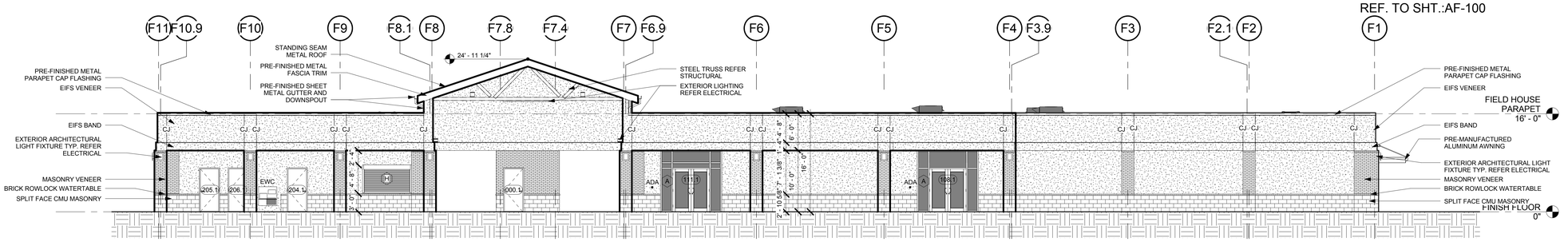
SHEET TITLE: GENERAL NOTES

SHEET NO.: **SF-000**



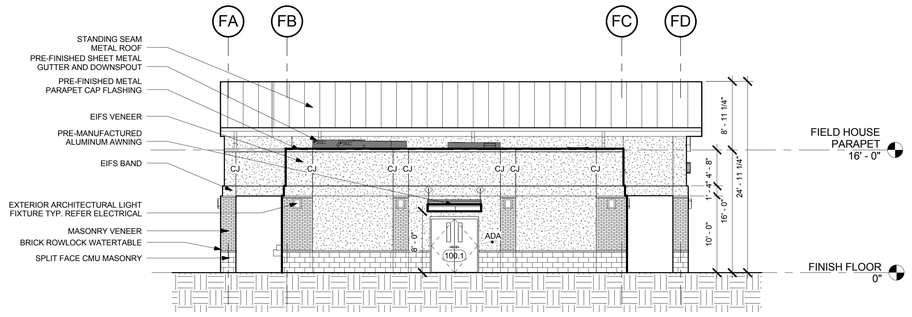
1 SOUTH ELEVATION

AF-200 SCALE: 1/8" = 1'-0"
REF. TO SHT.:AF-100



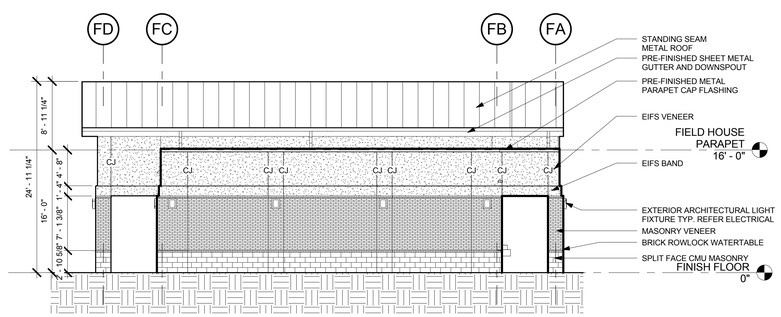
2 NORTH ELEVATION

AF-200 SCALE: 1/8" = 1'-0"
REF. TO SHT.:AF-100



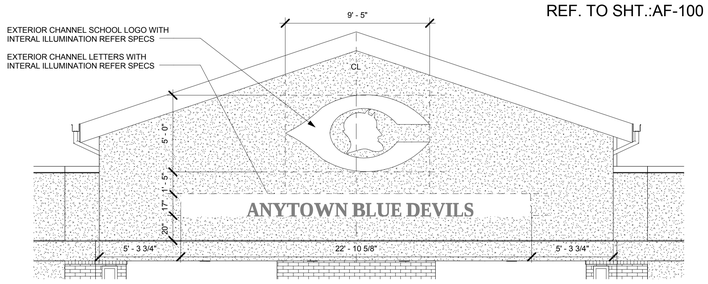
4 WEST ELEVATION

AF-200 SCALE: 1/8" = 1'-0"
REF. TO SHT.:AF-100



3 EAST ELEVATION

AF-200 SCALE: 1/8" = 1'-0"
REF. TO SHT.:AF-100



6 EXTERIOR SIGNAGE - SOUTH ELEVATION

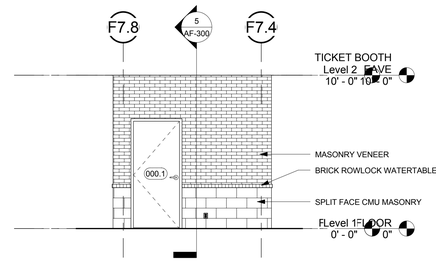
AF-200 SCALE: 1/4" = 1'-0"
REF. TO SHT.:AF-110

PROJECT ALTERNATES: ALL ALTERNATES ACCEPTED

ALTERNATE #1 (FIELD HOUSE):
ALTERNATE #1 - DEDUCT ALTERNATE
CONSISTS OF ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT:
2) 8'x78' BREEZEWAY ON NORTH SIDE OF BUILDING
3) FIVE MASONRY COLUMNS
4) 8'x115' TPO ROOFING SYSTEM
5) 8'x30' STANDING SEAM METAL ROOF

ALTERNATE #2 (STEM BUILDING):
ALTERNATE #2 - DEDUCT ALTERNATE
CONSISTS OF ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT:
1) NORTH VESTIBULE

ALTERNATE #3 (STEM BUILDING):
ALTERNATE #3 - DEDUCT ALTERNATE
CONSISTS OF ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT:
1) SOUTH VESTIBULE



5 TICKET BOOTH EAST

AF-200 SCALE: 1/4" = 1'-0"
REF. TO SHT.:AF-102

ANYTOWN PUBLIC SCHOOLS

2014 BOND - FIELD HOUSE

606 E. THIRD STREET, ANYTOWN, OK. 00000

SEAL:

REVISIONS

REV	DATE	DESCRIPTION
1	06/03/2015	FIRE MARSHALL REVISIONS

PROJ. MANAGER:

DRAWN BY:

CHECKED BY:

KEYPLAN:

DATE: MAY 11, 2015

PROJECT NO.: 1416

SHEET TITLE: BUILDING ELEVATIONS

SHEET NO.: AF-200