· · · · · · · · · · · · · · · · · · ·	·····	· · · · · · · · · · · · · · · · · · ·	2 · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
				4
М				
- <sup></sup>	• • • • • • • • • • • • • • • • • • •			
L				
	- 		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
К				
J	1 *** ***			
	••••••••••••••••••••••••••••••••••••••			
Η				
G				
F				
E				
D	FO	RT ΡΑΥΙ	NE COM	ΡΕΤΙΤΙ
• 1	- F	ΤΟΛΥΝΙΕ	ΛΙΛΡΛΙΛ	1 <sup></sup>
C		<b>\     /~\     \_</b> ,		
C				
	- 			с <sup>11</sup> ж. ж. ж. <sub>сос</sub> онализии 1 <sup>1</sup> ж
В				
A	***** <sub>****</sub> ***************************			



LLC	ARCHITECTURE, INTERIORS, CIVIL, LANDSCAPE
DUP	STRUCTURAL ENGINEERING
I.E.P	MECHANICAL, ELECTRICAL & PLUMBING ENGINEERING

		D	RAWI	NG	INDEX
		DRAWING INDEX			DI
м	DWG. NO.	DRAWING NAME		DWG. NO.	
	0.0 GENERA	AL TITLE SHEET		E400 E600	ENLARGED ELECTRIC ELECTRICAL DIAGRA
_	GI.01 GI.02	DRAWING INDEX & GENERAL INFORMATION GENERAL NOTES		E700 E701	PANEL SCHEDULES PANEL SCHEDULES
	GI.II GI.20	ACCESSIBILITY DATA TYPICAL CONSTRUCTION TYPES		G. PLUMBIN	G
L	GI.21 GI.31	PARTITION TYPES PENETRATION FIRESTOPPING SYSTEMS		P0.01 P1.01	PLUMBING ABBREVI PLUMBING GRAVITY
	G2.00 G2.01	LIFE SAFETY - CODE ANALYSIS LIFE SAFETY PLAN - LOWER LEVEL		P1.02 P1.03	PLUMBING GRAVITY PLUMBING GRAVITY
	G2.02 G2.03	LIFE SAFETY PLAN - MAIN LEVEL LIFE SAFETY PLAN - UPPER LEVEL		P1.04 P1.05	PLUMBING PRESSUR
_				P1.06 P4.01	PLUMBING PRESSUR
	C-001 C-002	EXISTING CONDITIONS & DEMOLITION PLAN		P6.01 P9.01	PLUMBING DETAILS
K	C-201	OVERALL SITE PLAN OVERALL GRADING PLAN		P9.02 P9.03	PLUMBING ISOMETR
	C-302	WATER & SEWER PLAN SANITRY SEWER PLAN & PROFILE			
	C-304	STORM DRAINAGE PLAN			
_	C-601	EROSION CONTROL PLAN EROSION CONTROL PLAN DETAILS			
	C-903	SITE DETAILS			
	C-905	ADS DETAILS WATER AND SEWER DETAILS			
J		CAPING			
	L1.00 L2.00	PLANTING PLAN PLANTING SCHEDULE, DETAILS AND NOTES			
	2.5 STRUCT	ſURAL			
	51.00 51.01	GENERAL NOTES GENERAL NOTES			
	51.02 51.03	TYPICAL DETAILS TYPICAL DETAILS			
н	52.00 52.01	FOUNDATION PLAN GROUND LEVEL FLOOR FRAMING PLAN			
	52.02 52.03	FOUNDERS LEVEL FLOOR FRAMING PLAN ROOF FRAMING PLAN			
	53.01 53.02	SECTIONS SECTIONS			
_	53.03 53.04	SECTIONS			
	53.05	SECTIONS			
G	AO.01	OVERALL PLAN			
	A1.01 A1.02	FLOOR PLAN - LOWER LEVEL FLOOR PLAN - MAIN LEVEL			
	A1.03 A1.04	ENLARGED PLANS			
_	A2.01	REFLECTED CEILING PLAN - LOWER LEVEL REFLECTED CEILING PLAN - MAIN LEVEL			
	A2.03	REFLECTED CEILING PLAN - UPPER LEVEL ROOF PLAN			
_	A3.02 A4.01	ROOF DETAILS EXTERIOR ELEVATIONS			
	A4.02 A5.01	EXTERIOR ELEVATIONS BUILDING SECTIONS			
	A5.11 A5.12	WALL SECTIONS WALL SECTIONS			
_	A5.13 A5.14	WALL SECTIONS WALL SECTIONS			
	A5.31 A5.32	VERTICAL CIRCULATION VERTICAL CIRCULATION			
	A5.33 A5.34	VERTICAL CIRCULATION VERTICAL CIRCULATION			
: -	AG.01 A7.01	INTERIOR ELEVATIONS - MAIN LEVEL RESTROOMS			
	A7.02 A7.03	INTERIOR ELEVATIONS - MAIN LEVEL CLASSROOMS & N CONCESSIONS			
_	A7.04 A7.05	INTERIOR ELEVATIONS - MAIN LEVEL GYM 1			
	A7.06 A7.07	INTERIOR ELEVATIONS - IOWER LEVEL WEST LOCKER ROOMS			
	A7.09	INTERIOR ELEVATIONS - LOWER LEVEL SOUTH CORRIDOR			
D	A7.11 A8.00	INTERIOR DETAILS FINISH LEGEND & SCHEDULE			
	A8.01 A8.02	FINISH PLAN - LOWER LEVEL FINISH PLAN - MAIN LEVEL			
	A8.03 A9.01	FINISH PLAN - UPPER LEVEL SIGNAGE PLAN			
	4. MECHAN	ICAL			
	MO.01 M1.01	MECHANICAL ABBREVIATIONS & LEGENDS MECHANICAL PLAN LOWER LEVEL			
с	M1.02 M1.03	MECHANICAL PLAN MAIN LEVEL MECHANICAL PLANS UPPER LEVEL & ROOF			
	M5.01 M6.01	MECHANICAL DETAILS MECHANICAL SCHEDULES			
	M7.01	MECHANICAL CONTROL DIAGRAMS			
	5. ELECTRIC E000	LEGEND			
	E010 E011	ELECTRICAL SITE PLAN DEMO ELECTRICAL SITE PLAN			
	E012 E101	ELECTRICAL SITE PHOTOMETRIC PLAN LOWER LEVEL - POWER PLAN			
ן נ	E102 E103	MAIN LEVEL - POWER PLAN UPPER LEVEL - POWER PLAN			
	E200 E201	LIGHTING - GENERAL LOWER LEVEL - LIGHTING PLAN			
_	E202 E203	MAIN LEVEL - LIGHTING PLAN UPPER LEVEL - LIGHTING PLAN			
	E301 E302	LOWER LEVEL - SYSTEMS PLAN MAIN LEVEL - SYSTEMS PLAN			

#### DRAWING INDEX DWG. NO. **DRAWING NAM** E400 ENLARGED ELECTRICAL PLANS EGOO ELECTRICAL DIAGRAMS E700 PANEL SCHEDULES E701 PANEL SCHEDULES 6. PLUMBING PO.01 PLUMBING ABBREVIATIONS & LEGENDS PI.OI PLUMBING GRAVITY PLAN - LOWER LEVEL PI.02 PLUMBING GRAVITY PLAN - MAIN LEVEL PI.03 PLUMBING GRAVITY PLAN - UPPER LEVEL PI.04 PLUMBING PRESSURE PLAN - LOWER LEVEL PI.05 PLUMBING PRESSURE PLAN - MAIN LEVEL PI.06 PLUMBING PRESSURE PLAN - UPPER LEVEL P4.01 PLUMBING ENLARGED PLANS PG.01 PLUMBING DETAILS & SCHEDULES P9.01 PLUMBING ISOMETRICS P9.02 PLUMBING ISOMETRICS P9.03 PLUMBING ISOMETRICS

ב ס

E303 UPPER LEVEL - SYSTEMS PLAN

ME			

# MOCKUP WALL

# ABBREVIATIONS

12

ACC	ACCESSIBLE	EA	EACH	Κ
ACI	AMERICAN CONCRETE INSTITUTE	EF	EACH FACE	KIP
ACT	ACOUSTICAL CEILING TILE	EIFS	EXTERIOR INSULATION FINISH SYSTEM	KJ
ADD		EJ		KSI
ALUM	ALUMINUM	ENGR.	ENGINEER	LAM
APPROX	APPROXIMATE	EOP	EDGE OF PAVEMENT	
ARCH	ARCHITECT (URAL)	EOS	EDGE OF SLAB	LAB
ADJ	ADJACENT	EQ	EQUAL	LAV
		EW	EACH WAY	LH · · · · · · · · · · · · · · ·
В/В	BACK-TO-BACK	EWC	ELECTRIC WATER COOLER	LL
BC	BASE OF CURB		EXHAUSI	LLH
BD_	BOARD	EXIDI		
BLDG	BUILDING	EXI	FXPANSION	
BM	BENCHMARK	EXT	EXTERIOR	IT
BOT	BOTTOM			
BRG	BEARING	FBO	FURNISHED BY OTHERS	MATL
BSMT	BASEMENT	FD	FLOOR DRAIN	MAX
BUR	BUILT-UP ROOF	FEC	FIRE EXTINGUISHER & CABINET	MC
BOW	BOTTOM OF WALL			MECH
B/W	BETWEEN			
		F/F	FACE TO FACE	MANUL
CAB	CABINET	FL	FLOOR	MIN
	CATCH BASIN	FLG.	FLANGE	MO
CD	CORF DECK	FND	FOUNDATION	MULL
CF	CURL DUN CUBIC FOOT			
CFCI	CONTRACTOR FURNISHED.	FO	FACE OF	
	CONTRACTOR INSTALLED	FOB	FACE OF RRICK	
CI	CAST IRON	FOC	FACE OF CONCRETE	NTS .
CIP	CAST IRON PIPE	FOF	FACE OF FINISH	<b>e</b>
	DNSTRUCTION OR CONTROL JOINT	FOM	FACE OF MASONRY	О/Н
ULG	CEILING	FOS	FACE OF STUD	OC
		FR	FRAME (ED), (ING)	0000
CMP	CORRUGATED METAL PIPE	FRT.	FIRE RETARDANT TREATED	OD
CMU	CONCRETE MASONRY UNIT	FI		
СО	CLEAN OUT	116		
COL	COLUMN	GA	GAUGE	OPG
CONC	CONCRETE	GALV	GALVANIZED	OPP
CONN		GB_	GRAB BAR	
CONSI		GHM	GALVANIZED HOLLOW METAL	PJ
		GI	GALVANIZED IRON	PL
CPT	CARPET (FD)	GWB	GYPSUM WALL BOARD	PLAM
CSMU	CALCIUM SILICATE MASONRY UNIT	GYP	GYPSUM	PNT
СТ	CERAMIC TILE	Н	HFICHT	PREFAB
CW	CURTAIN WALL	HC	HANDICAP	
		HM_	HOLLOW METAL	PREMANUL
D	DRYER	HOD	HIGHEST OPERABLE DEVICE	PSI
DBL	DOUBLE	HORIZ	HORIZONTAL	PT
DEM	DEMOLISH OR DEMOLITION	HP	HIGH POINT/HORSE POWER	
DET	DETAIL	HSS	HOLLOW STRUCTURAL STEEL	PVC
DH	DOUBLE HUNG			PVMT
				PWD
		HW	HARDWARF	OT
				QI
DS	DOWNSPOUT	ID	INSIDE DIAMETER	
DWG	DRAWING		INVERT ELEVATION	RA
DF	DRINKING FOUNTAIN	IJ	ISOLATION JOINT	RAD
		IN	INCH / INCHES	RB
		INSUL		RCP
				RD
			JANITOR'S CLOSET	REBAR
		.IT	JOINT	RFINE
			ANNOTATIO	N SYMBOLS
		[]		
ROOM NAME	ROOM REFERENCE TAG		<u>FF¢E:</u>	ΤΛΟΙ
101			BY OTHERS	
		<u>م</u>		
	CONCECUTIVE NUMBERCARE		REVISION CLOUD AND TAG:	
	IGED FOR COLLINANT LINES	$\langle \rangle$	UJLU IU INVICATE SCUPE UF	GI
	RUNNING NORTH & SOUTH	$\sim$	CUNNLINE INLY ISIUM	
· +(A)	CONSECUTIVE LETTERS ARE	~~	WALL TAG:	
	USED FOR COLUMN LINES	<u> </u>	INTERIOR WALL TYPE OG	
	RUNNING EAST & WEST		(SEE PARTITION LEGEND)	
I			DOOR TAG.	
<u> </u>	FACE OF MASONRY		DOOR NUMBER 101	
~	OR FACE OF GIRDER		(SEE FLOOR PLANS AND	<b>▲</b>
			DOOR SCHEDULE)	$\mathbf{A}$
677 50				
6/1.52	677 52 - FIFVATION (FT)		CHRTAINWALL TAC.	AT.UT
		$\langle \overline{C-1} \rangle$	CURTAINWALL TYPE I	

10

A1.01

12

(**5-**1) (W-1

10

LOUVER TAG: LOUVER TYPE LI (SEE LOUVER SCHEDULE)

11



<u>SITE</u>

A1.01





Α	DIVISION 1	- GENERAL	REQUIREN	IENTS	В	DIVISION 2
	I.OI. COMPLETE CON CLARIFICATIONS ISSUED BY SHALL REMAIN INTACT. GE INCLUDED, OR REASONABL	NTRACT DOCUMENTS: COMPL Y FIELD ORDER OR SIMILAR INS INERAL CONTRACTOR IS FULLY Y INFERRED THEREIN. CONSTR	ETE DRAWINGS, SPEC TRUMENTS CONSTITU RESPONSIBLE FOR CO SUCTION MANAGER OF	IFICATIONS, ADDENDA, AN TE THE CONTRACT DOCUM MPLIANCE WITH THE REQU	D 1ENTS AND JIREMENTS AS	<ul><li>2.01. POSITIVE DRAIN</li><li>WITH THE INTERNATIONAL E</li><li>2.02. SITE PAVING EX</li></ul>
	APPLICABLE) MUST NOT ISS PROVIDED TO PARTIES TO 1.02. MULTI-TRADE C	BUE PARTIAL SETS OR OTHERW THE CONTRACT, INCLUDING AS COORDINATION: ALL WORK SH	ISE CAUSE INCOMPLE SOCIATED SUB-CONT ALL BE COORDINATED	TE CONTRACT INFORMATIC RACTORS, OR SUB-SUB-C WITH THE WORK OF OTHE	N TO BE ONTRACTORS. R TRADES TO	CONTROL JOINTS IN ALL SIT FEET (5') EACH WAY. IN AE EACH WAY. ALL EXPANSION SHALL RECEIVE SPECIFIED
	AVOID INTERFERENCES AND COORDINATE BETWEEN MU THE INEFFICIENT USE OF AN TO REJECTION AND RE-INS <sup>-</sup>	J CONFLICTS. NO ALLOWANCE ILTIPLE DISCIPLINES, SYSTEMS VAILABLE SPACE AND/OR ENCR TALLATION.	S WILL DE MADE FOR OR EQUIPMENT. UNC OACHES ON THE WOR	CONTRACTOR'S FAILURE TO OORDINATED WORK THAT F K OF OTHER TRADES WILL	RESULTS IN BE SUBJECT	<b>DIVISION 3</b> 3.01. SLAB-ON-GRADE GRADE CONSTRUCTION, IN AND SURFACE TREATMENTS
	<b>I.O3. VERIFICATION:</b> MATERIALS, METHODS OF OR CONFLICTS WITHIN THE WORK. COMMENCEMENT (	GENERAL CONTRACTOR SHAL CONSTRUCTION, GRADES AND DOCUMENTS PRIOR TO BID, C OF WORK CONSTITUTES ACCEP	FIELD VERIFY ALL EXIS ELEVATIONS. NOTIFY CONSTRUCTION, AND/C TANCE THAT THE EXIS	STING CONDITIONS, CONS THE ARCHITECT OF ANY D DR INSTALLATION OF ASSO TING CONDITIONS ARE CO	TRUCTION, ISCREPANCIES ICIATED NSISTENT	FOUR INCH (4") THICK CON 3.02. SLAB EXPANSION EXPANSION AND CONTROL
	EXISTING CONDITION, WHE ACCEPTED. THIS PROVISION STRUCTURES.	RACT DOCUMENTS. ANY CHAN THER IN CONFLICT OR COMPLIA ON SHALL NOT APPLY TO WORK	IGE ORDER REQUEST ANCE WITH THE CONTR PERFORMED UNDER I	ASSOCIATED WITH AN IDEN ACT DOCUMENTS, WILL NO JNIT PRICE OR ALLOWANCE	TTIFIABLE DT BE E FEE	FLOOR SLABS AND VERTICA 3.03. CORE DRILLING OF THE LOCATION AND DIM
	I.04. DISCREPANCIES OF ANY DISCREPANCIES OF CONFLICT OR DISCREPANC GENERAL CONTRACTOR SH DISCREPANCIES IN THE BAS CONSTITUTES ACCEPTANCE	<b>5:</b> GENERAL CONTRACTOR SH R CONFLICTS IN THE CONTRAC Y IN A TIMELY MANNER AND PR ALL INCLUDE THE MORE EXPEN SE BID PRICE. FAILURE TO NO E OF FULL RESPONSIBILITY FOR	ALL NOTIFY THE ARCH T DOCUMENTS, WITH NOR TO ANY IMPACT T SIVE, COMPLEX, AND TIFY THE ARCHITECT P THE ASSOCIATED CO	TECT PROMPTLY UPON IDE THE OBJECTIVE OF RESOLV O CONTRACT TIME OR COI TIME CONSUMING COMPOI ROMPTLY OF A KNOWN DIS OST AND SCHEDULE IMPAC	NTIFICATION /ING THE NTRACT COST. NENTS OF ANY SCREPANCY T.	COMMENCING CORING ACTTENSIONED STRUCTURED F3.04.FLOOR LOADINGINCLUDING CONSTRUCTIONAPPROVAL OF THE STRUCTCONTRACTOR INCLUDING CONTRACTOR INCLUDING CONTRACTOR
	<b>I.05. DRAWING SCAL</b> PRINTED SCALE. THEREFOR FOR REQUIRED DIMENSION CRITICAL DIMENSIONAL INF	E: REPROGRAPHIC TECHNIQU RE, DO NOT RELY UPON THE SO IS THAT ARE NOT PROVIDED CL ORMATION FROM THE ARCHITE	ES MAY RENDER DRAV CALE OF ANY PRINTED EARLY IN NUMERIC FO ECT MAY RESULT IN TH	VINGS DIFFERENTLY THAN T DRAWINGS. CONTACT THE DRM HEREIN. FAILURE TO R IE REJECTION OF INSTALLEI	THE INTENDED E ARCHITECT REQUEST D WORK.	4.01. SEAL VENEER A
	I.OG. DIMENSIONAL S TO FACE OF STUD (MASON REFERENCE LINE, UNLESS ( OR "MAX" SHALL BE STRIC	<b>STANDARDS:</b> STANDARD DIME IRY) OF FINISHED PARTITION, F DTHERWISE NOTED OR GRAPHIC	ENSION CONVENTIONS ACE OF FINISH, OR CE CALLY ILLUSTRATED. E	DUTILIZED HEREIN CALL FOR ENTERLINE OF COLUMN LINE DIMENSIONS NOTED AS "CI	R DIMENSIONS E OR OTHER LEAR", "MIN", <b>E</b>	OF TROWEL GRADE AIR/MO MOISTURE BARRIER.
	1.07. {PM SOFTWARE	=}				5.01. EMBEDDED STE PLATE, AND SIMILAR WORK
	I.08. PERMITTING: T PERMITS AND APPROVALS REQUIREMENT SHALL APPLY	THE GENERAL CONTRACTOR SH FROM JURISDICTIONAL AUTHO Y TO ON-SITE AND OFF-SITE WO	ALL SECURE AND PAY RITIES, PRIOR TO CON DRK REQUIRED BY THE	FOR ALL NECESSARY AND IMENCING THE WORK. THI CONTRACT DOCUMENTS.	REQUIRED IS	REINFORCING STEEL, WHICH
	I.09.CODE COMPLIACODES, AND ORDINANCE.COMPLIANCE WITH ALL APPAND ALL SUB-CONTRACTOR	ANCE: THE WORK SHALL BE PE THE GENERAL CONTRACTOR A LICABLE BUILDING CODES, LAV RS SHALL CAREFULLY READ AN	RFORMED IN STRICT ( ND SUB-CONTRACTOF /S, REGULATIONS, AN D FAMILIARIZE THEMSI	COMPLIANCE WITH ALL APP RS SHALL PERFORM THEIR V D ORDINANCES. GENERAL ELVES WITH THE CODE COM	LICABLE LAWS, WORK IN CONTRACTOR MPLIANCE	6.01. WOOD IN CONT MASONRY CONSTRUCTION TREATED [FRT].
	DATA INCLUDED IN THE DRA	AWINGS AND SPECIFICATIONS. TIBLE CONSTRUCTION TYPES: LICABLE CODES, AND THEREFO	THE PROPOSED BUILD RE REQUIRES NON-CO	DING STRUCTURE IS NON-C DMBUSTIBLE CONSTRUCTIO	COMBUSTIBLE ON	6.02. FIELD VERIFICA MEASUREMENTS AND CONI DIMENSIONS ASSURING PR
	BLOCKING, FURRING, FRAM PERMITTED WHERE ALLOWE REQUIREMENTS.	ING, SHEATHING, BACK-BOAR	DS, AND RELATED WO LIANCE DRAWINGS FO	RK. FIRE RETARDANT TREAR DETAILED INFORMATION	TED [FRT] IS AND	G.O4. MILLWORK SPLA PLAN. PROVIDE SIDESPLA
	I.II. TEMPORARY GU ALL SLAB EDGES, PIT EDGE APPLICABLE CODE OR ORD INCLUDING BOTH SIDES OF	<b>JARDS:</b> THE GENERAL CONTRA S, ELEVATED PLATFORM EDGES INANCE, AND AT MINIMUM ALL STAIRS AND LADDERS. TEMP	ACTOR SHALL INSTALL 5, AND SIMILAR COND CHANGES IN ELEVATIO ORARY GUARDS MUS	AND MAINTAIN TEMPORAR ITIONS WHERE REQUIRED E ON IN EXCESS OF THIRTY IN T BE MAINTAINED UNTIL THI	Y GUARDS AT 3Y OSHA, ANY NCHES (30") E PERMANENT <b>G</b>	BACKSPLASH ABUTS A VER PLAN.
	GUARDS ARE INSTALLED. <b>I.I2. LIFE-SAFETY MI</b> REQUIREMENTS REQUIRED	EASURES DURING CONSTRUC BY OSHA, CODE, AND OTHER	<b>TION:</b> THE GENERAL C APPLICABLE REGULATC	ONTRACTOR SHALL COMPI DRY AUTHORITIES.	LY WITH ALL	7.01. GENERAL SEALA MILLWORK AND CASEWORK LATEX SEALANT. ALL VERTIN
	I.I.3. MEANS OF EGR EGRESS AT ALL TIMES DUR	RESS: THE GENERAL CONTRACTION, WITHOUT	TOR SHALL MAINTAIN EXCEPTION.	CLEAR AND UNOBSTRUCTE	D MEANS OF	7.02. SLOPE TO DRA PER LINEAR FOOT. PROVID ACHIFVED
	CONSTRUCTION BEYOND IT LOADS ASSOCIATED WITH	N LONDON THE GENERAL CONTRACT MATERIAL MOVEMENT, HOISTIN	RED MATERIAL, CONS NG, STORAGE, OR SIN	TRUCTION EQUIPMENT, TEN IILAR CONDITIONS. NGOING CLEAN-UP OF THE	MPORARY	7.03. WALK-PADS: F SURFACES THAT ARE TRAV ELECTRICAL EQUIPMENT, AN
	AND BUILDING, INCLUDING CONSTRUCTION. RECYCLIN I.IG. OWNER FURNIS	REMOVAL OF TRASH AND WAS NG OF CONSTRUCTION WASTE CHED EQUIPMENT: LOOSE FUR	TE MATERIALS, ON A IS ENCOURAGED. NISHINGS, WORKSTA <sup>-</sup>	REGULAR BASIS DURING FIONS, OFFICE EQUIPMENT	, COPIERS,	7.04. EXPANSION JOI PARTITION, AND/ OR CEILIN JOINT COVER ASSEMBLY D
	VENDING MACHINES, KITCH "OF/OI", AND SHOWN DASI FURNISHED EQUIPMENT IS FACILITATE COORDINATION	HEN EQUIPMENT, AND SIMILAR HED OR IN GRAY-TONE SHALL E SHOWN FOR THE GENERAL CO WITH THE OWNER'S WORK. T	TEMS THAT ARE BOTT BE CONSIDERED OWNE NTRACTOR'S KNOWLE HE GENERAL CONTRAC	T LABELED "OWNER FURNIS R-FURNISHED EQUIPMENT DGE AND UNDERSTANDING TOR SHALL CAREFULLY RE	HED OR OWNER- TO VIEW THE MABOUT THE	DIVISION 8
	DEFINITION OF OWNER FUR I.I.7. TEMPORARY BR CONTRACTOR SHALL TEMPO SUPPORT EXISTING LOADS SHALL DESIGN, INSTALL AN CONSTRUCTION COMPONE OTHERWISE SUBJECTED TO DESIGNED.	RACING: PRIOR TO REMOVAL O ORARILY SHORE AND/OR BRAC AND/OR LOADS IMPOSED DUR D MAINTAIN ANY TEMPORARY E NTS WHICH ARE NOT FULLY SE D LOADS IN EXCESS OF THE PC	DF ANY EXISTING STRU E EXISTING CONSTRUCT ING CONSTRUCTION. BRACING OR SUPPORT CURED IN A COMPLET ST-CONSTRUCTION LO	JCTURAL ELEMENTS, THE G CTION TO REMAIN AS REQU FURTHER, THE GENERAL CO FRAMING REQUIRED TO S E STRUCTURAL ASSEMBLY, DADS FOR WHICH THE ELEN	ENERAL JIRED TO ONTRACTOR JUPPORT NEW , OR ARE JENT IS	<ul> <li>8.01. LABELED FIRE-R</li> <li>APPROVED AGENCY PER NE</li> <li>THE ATTACHMENT THEREOF</li> <li>ATTACHED. LABELS MUST E</li> <li>ORGANIZATION TO PROVIDI</li> <li>SHALL INCLUDE THE FIRE RE</li> <li>AND/OR SIDELIGHTS MUST</li> <li>(A) LABELS SHALL BE</li> <li>(B) PLASTIC OR PAPE</li> <li>(C) LABELS MUST BE</li> <li>I. FAILURE TO C</li> <li>COSTS OF RE-L</li> </ul>
						8.02 FIRE-RATED CE RATED CERAMIC GLAZING A 716.5 (IBC 2015) or 716. CERAMIC GLAZING.
						8.03. TEMPERED GLA INCLUDING ANY GLASS IN D OF THE ADJACENT FLOOR (
						8.04. BLOCKING: FU SCHEDULED TO RECEIVE DO THAT WILL SUBJECT THE PA
						8.05. HOLLOW METAI DEPTH OF THE PARTITION S
						8.06 LEAD-LINED DO ADDITIONAL STRUCTURAL S BOX-FRAMED AND WELDED SECTION 09 2216 "NON-S

⊲ \_

### - EXISTING CONDITIONS

INAGE AT BUILDING: SLOPE EXTERIOR GRADE AWAY FROM THE BUILDING IN ACCORDANCE BUILDING CODE.

XPANSION AND CONTROL JOINTS: WHETHER SPECIFICALLY INDICATED OR NOT, PROVIDE ITE CONCRETE PAVING FOR PEDESTRIAN TRAFFIC AT AN INTERVAL OF NO MORE THAN FIVE DDITION, PROVIDE CONTROL JOINTS AT NO MORE THAN THIRTY FOOT (30') INTERVAL, IN JOINTS, INCLUDING THOSE BETWEEN HORIZONTAL PAVING AND VERTICAL ABUTMENTS, JOINT FILLER, AS SPECIFIED IN SECTION 079000.

## - CONCRETE

DE: SEE SPECIFICATION SECTION 033000 FOR DETAILED REQUIREMENTS OF SLAB-ON-ICLUDING REQUIREMENTS FOR REINFORCING, CONCRETE ADMIXTURES, VAPOR BARRIER, TS [IF ANY]. ALL SLAB-ON-GRADE CONSTRUCTION SHALL BE INSTALLED OVER MINIMUM MPACTED POROUS DRAINAGE LAYER UNLESS NOTED OTHERWISE.

ON AND CONTROL JOINTS: SEE STRUCTURAL DRAWINGS FOR REQUIRED SLAB JOINTS. ALL EXPANSION JOINTS AND CONTROL JOINTS IN FLOOR SLABS, AND BETWEEN CAL ABUTMENTS SHALL RECEIVE TRAFFIC BEARING SEALANT JOINT MATERIAL.

G - FLOOR SLABS: THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING MENSION OF ANY PROPOSED CORES THROUGH STRUCTURAL FLOOR SLABS, PRIOR TO TIVITIES. CORE DRILLING IS STRICTLY PROHIBITED (SLEEVES ONLY) IN ANY POST-FLOOR SLAB ASSEMBLIES.

NG DURING CONSTRUCTION: NO LOADS EXCEEDING THE SPECIFIED FLOOR LIVE LOAD N EQUIPMENT OR LIFTS SHALL BE PLACED ON THE ELEVATED SLABS WITHOUT REVIEW AND TURAL ENGINEER. ANY REQUESTS SHALL BE MADE IN WRITING BY THE GENERAL CUT SHEETS AND PROPOSED LOADING CRITERIA. DO NOT PROCEED UNTIL WRITTEN E STRUCTURAL ENGINEER HAS BEEN PROVIDED.

### - MASONRY

ANCHORS: ALL EXTERIOR VENEER SYSTEM ANCHORS SHALL BE SET IN FULL, FRESH BED DISTURE BARRIER COATING, OR DOW 795 OR EQUIVALENT AT THE PLANE OF THE AIR/

#### - METALS

EEL: ALL MISCELLANEOUS STEEL ITEMS INCLUDING STEEL EDGE ANGLES, EMBEDDED SHALL BE HOT-DIPPED GALVANIZED. THIS PROVISION DOES NOT APPLY TO CH SHALL COMPLY WITH SPECIFICATION DIVISION 033000.

#### - WOOD, PLASTICS & COMPOSITES

ITACT WITH CONCRETE/ MASONRY: ALL WOOD IN CONTACT WITH CONCRETE OR N SHALL BE PRESSURE TREATED [PT] UNLESS OTHERWISE NOTED TO BE FIRE RETARDANT

ATION: THE CASEWORK OR MILLWORK CONTRACTOR SHALL OBTAIN AND VERIFY ALL FIELD IDITIONS AFFECTING HIS WORK AND SHALL BE RESPONSIBLE FOR ALL DETAILS AND RECISION AND PROPER ASSEMBLY OF HIS PRODUCTS.

SE: PROVIDE FINISHED BASE TO MATCH MATERIAL AND FINISH OF ADJACENT SCHEDULED AT ALL EXPOSED FRONT, SIDE, AND REAR FACES OF MILLWORK OR CASEWORK.

ASH: PROVIDE BACKSPLASH AT ALL COUNTERTOPS UNLESS OTHERWISE INDICATED ON ASH OF SAME MATERIAL, DIMENSION, AND FINISH EVERYWHERE A COUNTERTOP RTICAL WALL SURFACE AT ONE OR MORE OF ITS SIDES UNLESS OTHERWISE INDICATED ON

### - THERMAL & MOISTURE PROTECTION J DIVISION 10 - SPECIALTIES

LANTS: CONTINUOUSLY SEAL PERIMETER OF ALL DOOR AND WINDOW FRAMES, K, TRIM, CABINETS, AND SIMILAR FIXED CONSTRUCTION WITH PAINTABLE, SILICONIZED ICAL SURFACE CONTROL AND EXPANSION JOINTS AT MASONRY WALLS SHALL BE BOTH SIDES OF JOINT.

AIN: ALL ROOF SURFACES SHALL BE SLOPED TO DRAIN, WITH MINIMUM PITCH OF 1/4" DE TAPERED INSULATION, CRICKETS AS NECESSARY TO ASSURE THE MINIMUM SLOPE IS

FURNISH AND INSTALL COMPATIBLE ROOF WALK-PADS AT ALL MEMBRANE ROOF /ELED TO ACCESS SERVICEABLE ROOFTOP EQUIPMENT SUCH AS HVAC UNITS, FANS, ND SIMILAR EQUIPMENT REQUIRING SERVICE ACCESS.

DINTS COVERS: ALL BUILDING EXPANSION JOINTS EXPOSED TO VIEW IN FLOOR, NG ASSEMBLIES SHALL RECEIVE COLOR-COORDINATED PRE-FABRICATED EXPANSION DESIGNED TO ALLOW THE REQUIRED MOVEMENT, AND TO PROVIDE UL APPROVED FIRE REQUIRED.

#### - OPENINGS

RATED DOORS AND FRAMES: ALL FIRE DOORS AND FRAMES SHALL BE LABELED BY AN FPA 80, AND SHALL BE PERMANENTLY AFFIXED THERETO, AND THE LIFE OF THE LABEL AND F CAN REASONABLY BE EXPECTED TO EQUAL THE LIFE OF THE COMPONENT TO WHICH IT IS BE PROVIDED BY A MANUFACTURER THAT HAS BEEN APPROVED BY A LABORATORY OR DE TESTING AND FOLLOW-UP SERVICES FOR FIRE-RATED OPENING ASSEMBLIES. ALL LABELS RESISTANCE RATING IN HOURS AND/OR MINUTES. LABELS ON FRAMES WITH TRANSOMS IDENTIFY THAT THE OPENING ASSEMBLY INCLUDES SAME.

E RAISED OR EMBOSSED ON METAL LABELS. PER LABELS ARE UNACCEPTABLE.

E VISIBLE AND LEGIBLE AT ALL TIMES AND SHALL NOT BE PAINTED. COMPLY WITH THIS REQUIREMENT WILL REQUIRE PAINTER TO REIMBURSE OWNER FOR LABELING RATED DOORS AND FRAMES.

ERAMIC GLAZING: AT FIRE-RATED DOORS, SIDELITES, AND TRANSOMS, PROVIDE FIRE-AT ANY VISION PANEL THAT EXCEEDS THE MAXIMUM ALLOWABLE GLASS SIZE PER IBC TABLE S. I (2) (IBC 2018) AS APPLICABLE. SEE SPECIFICATION SECTION 08 8000 GLAZING FOR

ASS: PROVIDE TEMPERED SAFETY GLASS EVERYWHERE REQUIRED BY APPLICABLE CODE, DOORS, OPERABLE WINDOWS, ADJACENT TO DOORS OR OPERABLE WINDOWS, WITHIN 36" OR GRADE LEVEL, OR OTHERWISE WHERE REQUIRED BY CODE.

URNISH AND INSTALL BLOCKING IN METAL STUD FRAMED WALLS AND PARTITIONS THAT ARE DOOR BUMPERS/ STOPS, MAGNETIC LOCK DEVICES, AND SIMILAR DOOR RELATED DEVICES ARTITION TO DOOR MOVEMENT LOADS AND IMPACT.

L FRAMES: COORDINATE THE THROAT DEPTH OF ALL HOLLOW METAL FRAMES WITH THE SCHEDULED TO RECEIVE THE DOOR OR WINDOW FRAME.

DORS AND HOLLOW METAL FRAMES: THESE DOORS ARE VERY HEAVY AND REQUIRE SUPPORT TO PREVENT SAGGING. TYPICALLY THIS WILL REQUIRE HEAVY GUAGE (16 GA.) D STEEL STUD POSTS AT THE HINGE-SIDE JAMB. SEE DRAWING GI.22 AND SPECIFICATION STRUCTURAL METAL FRAMING" FOR FURTHER INFORMATION.

# GENERAL NOTES

### I DIVISION 9 - FINISHES

9.01. INDOOR ENVIRONMENTAL CONDITIONS: NO INTERIOR SO CARPET, MILLWORK, OR SIMILAR WORK THAT IS SUBJECT TO TEMPERA COMMENCE, NOR SHALL MATERIALS BE STORED ON SITE, UNTIL STAB ACCEPTABLE TO THE PRODUCT MANUFACTURER ARE PROVIDED AND ESTABLISH CONSISTENT AND ACCEPTABLE INDOOR TEMPERATURE AND INDOOR ENVIRONMENT IN STRICT COMPLIANCE WITH THE PRODUCT M SUBJECT THE INSTALLING CONTRACTOR TO FULL RESPONSIBILITY FOR MOLD OR MILDEW GROWTH, WARPING, CUPPING, DE-LAMINATION, OR INSTALLED CONSTRUCTION.

9.02. FLOOR & WALL TILE: INSTALL FLOOR AND WALL TILE IN ALL APPLICABLE TILE COUNCIL OF AMERICA (TCNA) METHOD.

9.03. FLOOR FINISH TRANSITIONS: UNLESS OTHERWISE INDICA OF DOOR IN CLOSED LOCATION. TRANSITION FLOOR MATERIAL UNDER SCHEDULED TRANSITION MATERIALS AT CHANGES IN FLOOR MATERIAL

9.04. PARTITIONS: SEE PARTITION NOTES AND SPECIFICATIONS CONSTRUCTION.

9.05. EQUIPMENT ACCESS DOORS: THE GENERAL CONTRACTOR CEILING ACCESS DOORS TO THE ARCHITECT FOR APPROVAL. ACCESS FINISH.

9.06. CASEWORK AND MILLWORK ANCHORAGE: COORDINATE I GROUNDS, AND REQUIRED BLOCKING WITH OTHER TRADES FOR PRECI

#### 9.07. PARTITION COORDINATION WITH OTHER TRADES:

(A) COORDINATE BETWEEN TRADES BEFORE FRAMING PARTITIONS. PA PERMIT THE INSTALLATION OF PIPING, CONDUITS, AND DUCTWORK WIT (B) EXCEPT FOR PIPING LOCATED IN EQUIPMENT ROOMS, ALL PIPING IN PARTITIONS AND FURRED SPACES. WHERE IT OCCURS THAT PIPING CA ARCHITECT IN WRITING FOR CLARIFICATION. IN ANY CASE, SUCH PIPIN COST.

(C) COORDINATE WITH OTHER TRADES AND OWNERS' SCHEDULED EQU OF WALL- MOUNTED AND SUSPENDED ITEMS. SIZE STUD GAUGE AND ADDITIONAL LOADS IMPOSED BY THESE ITEMS. MAX. DEFLECTION L/3 (D) PROVIDE AND INSTALL ALL BLOCKING, STIFFENERS, BRACES, BACK REQUIRED FOR THE INSTALLATION OF WALL-MOUNTED OR SUSPENDED MILLWORK AND ANY OTHER MISCELLANEOUS EQUIPMENT OR WALL-MC (E) ANY ADDITIONAL WORK OR, RE-WORK, AS A RESULT OF A FAILURE BE GIVEN CONSIDERATION FOR CHANGE ORDER.

9.08 FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIE (A) FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIERS SHALL LETTERING ABOVE FINISHED CEILING AT 1'-O" ABOVE CEILING.

- I. EACH NEW FIRE WALL, FIRE BARRIER, FIRE PARTITION, SMOKE NEW WALL REQUIRED TO HAVE PROTECTED OPENINGS SHALL STENCILING ABOVE ANY DECORATIVE CEILING AND IN CONCE
- SMOKE BARRIER PROTECT ALL OPENINGS", OR SIMILAR LAN 4 INCH HIGH LETTERS, 1/2 INCH STROKE, AND NOT MORE THA (B) UNLESS OTHERWISE REQUIRED OTHERWISE BY LOCAL JURISDICTIO
- FOLLOWS (G.C. MUST CONFIRM VERBIAGE WITH LOCAL AHJ) : I -HOUR FIRE BARRIER - PROTECT ALL OPENINGS
- I -HOUR FIRE & SMOKE BARRIER PROTECT ALL OPENINGS
- 2-HOUR FIRE BARRIER PROTECT ALL OPENINGS 2-HOUR FIRE & SMOKE BARRIER - PROTECT ALL OPENINGS
- 3-HOUR FIRE WALL PROTECT ALL OPENINGS 4-HOUR FIRE WALL - PROTECT ALL OPENINGS

**IO.01. SPECIALTIES GENERAL:** WHEN APPLICABLE TO THE PROJECT, GENERAL CONTRACTOR THE CONTRACT FOR CERTAIN SPECIALTY ITEMS PROCURING, SCHEDULING, AND COORDINATING THE INSTALLATION OF COST OF ASSIGNED CONTRACTS SHALL BE INCLUDED AS PART OF THE SECTION OI 1000 - "SUMMARY""; PARA. "1.07 WORK UNDER SEPARAT 10.02. SPECIALTY CONTRACTS: THE FOLLOWING SPECIALTY CONTRA CONTRACTOR:

(A) INTERIOR AND EXTERIOR SIGNAGE PACKAGE.

### K DIVISION 11 - EQUIPMENT

(B) ROLLER WINDOW SHADE AND CUBICLE CURTAIN PACKAGE.

II.OI. EQUIPMENT GENERAL: FOR EQUIPMENT OR SYSTEMS INSTAL CONTRACTOR SHALL COOPERATE FULLY WITH SEPARATE CONTRACTOR CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING CONTRACTS. COORDINATE THE WORK OF THIS CONTRACT WITH WOR WORK TO BE PERFORMED UNDER SEPARATE CONTRACT IS AS ITEMIZE "SUMMARY"; PARA. "1.07 WORK UNDER SEPARATE CONTRACTS".

I I.O2. MEDICAL EQUIPMENT, GENERAL: MEDICAL EQUIPMENT PLANI PLUMBING, OR HVAC SERVICES IS AS SCHEDULED ON THE EQUIPMENT MANUAL. GENERAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH TH NECESSARY FOR A COMPLETE INSTALLATION.

I I.O3. MEDICAL EQUIPMENT VENDOR DRAWINGS: WHEN APPLICABL DRAWINGS WILL BE PROVIDED TO THE CONTRACTOR FOR INFORMATIC ITEMS). EQUIPMENT INSTALLATION WILL BE BY THE RESPECTIVE VENDO RESPONSIBILITY TO GENERAL, AND OTHER CONTRACTOR/S, FOR WORK IS NOT PERFORMED BY THE VENDOR. GENERAL CONTRACTOR SHALL RESPONSIBILITIES AND INCLUDE ALL WORK NECESSARY FOR A COMPLI

## L DIVISION 12 - FURNISHINGS

12.01. CASEWORK BASE: PROVIDE FINISHED BASE TO MATCH MAT KICK, AT ALL EXPOSED FRONT, SIDE, & REAR FACES OF CASEWORK.

12.02. CASEWORK SPLASH: PROVIDE BACKSPLASH AT ALL COUNTE PROVIDE SIDESPLASH OF SAME MATERIAL, DIMENSION, AND FINISH EV A VERTICAL WALL SURFACE AT ONE OR MORE OF ITS SIDES UNLESS C

9		13	14		
	THE GENERAL NUTES DELOW ARE INTENDED TO COMPLEMENT, RATHER THAN REPLACE, REQUIREMENTS PUT FORTH BY THE PROJECT SPECIFICATIONS. SHOULD A DISCREPANCY BE FOUND BETWEEN THESE GENERAL NOTES AND THE PROJECT SPECIFICATIONS THE GC SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING.				
DFT CONSTRUCTION [IE. DRYWALL, CEILINGS,	M DIVISION 13 - SPECIAL CONSTRUCTION				
ATURE AND HUMIDITY INSTABILITY] SHALL BLE INTERIOR ENVIRONMENTAL CONDITIONS N PLACE FOR A DURATION SUFFICIENT TO D HUMIDITY LEVELS. FAILURE TO PROVIDE AN MANUFACTURERS PRINTED REQUIREMENTS WILL	PROJECT, OWNER WILL AWARD AND WILL ASSIGN TO THE GENERAL CONTRACTOR THE CONTRACT FOR THE RF SHIELDED ENCLOSURE/S. CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING, SCHEDULING, AND COORDINATING THE INSTALLATION OF WORK INSTALLED UNDER THESE CONTRACTS. THE COST OF ASSIGNED CONTRACTS SHALL BE INCLUDED AS PART OF THE WORK OF THIS CONTRACT.				
R ANY COSTS ASSOCIATED WITH RE-WORK DUE TO R SIMILAR DETERIORATION OF THE STORED OR	<ul> <li>I 3.02. LEAD SHIELDING REQUIREMENTS: SEE SPECIFCATION SECTION 134900 "RADIATION PROTECTION" FOR LEAD SHIELDING REQUIREMENTS AT X-RAY DIAGNOSTIC ROOMS.</li> <li>(A) ALL RADIATION PROTECTION WORK MUST BE INSTALLED IN STRICT CONFORMANCE WITH PHYSICIST'S REPORTS PROVIDED BY THE OWNER. IF AT THE TIME OF BIDDING SAID REPORT/S ARE NOT AVAILABLE. CONTRACTOR SHALL</li> </ul>				
SCHEDULED AREAS IN ACCORDANCE WITH	ASSUME THAT ALL LEAD SHIELDING WILL BE THE EQUIVALENT OF 1/16" (15MM) THICK FOR BIDDING PURPOSES. (B) UPON COMPLETION OF RADIATION PROTECTION WORK, ALL X-RAY DIAGNOSTIC ROOMS WILL BE SUBJECT TO AN OWNER-COMMISSIONED SHIELDING INTEGRITY SURVEY TO CONFIRM THAT THE SHIELDING WAS INSTALLED ACCORDING				
ATED, TRANSITION FLOOR FINISHES AT CENTERLINE ER CENTER OF DOORS & WHERE NOTED. PROVIDE L TYPE.	TO PLAN AND THAT X-RAYS ARE BEING CONTAINED WITHIN THE ROOM BY THE SHIELDING. (C) SHOULD SHIELDING FAILURES OCCUR DURING THE INTEGRITY SURVEY, CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY BREACHES IN THE LEAD SHIELDING SYSTEM. ANY REPAIRS TO WALL, FLOOR, OR CEILING FINISHES AS MAY BE REQUIRED BY THIS REMEDIAL WORK SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST.			500	
5 FOR REQUIREMENTS OF PARTITION	N DIVISION 14 - CONVEYING SYSTEMS			d, LLC <b>n, Suite</b> (	
IR SHALL PROVIDE PROPOSED LOCATION OF S DOORS SHALL BE PAINTED TO MATCH ADJACENT INSTALLATION OF IN-WALL STEEL ANCHORAGE,	I 4.01. STRUCTURAL FOUNDATION COORDINATION: COORDINATE EXACT BOTTOM OF ELEVATOR SHAFT WITH PIT DEPTH REQUIREMENTS OF SELECTED ELEVATOR MANUFACTURER. EXACT LOCATION OF SUMP PUMP AS DICTATED BY SELECTED ELEVATOR MANUFACTURER. AREA BETWEEN BOTTOM OF SLAB OF ELEVATOR SHAFT & STRUCTURAL CONCRETE MAT FOOTING TO BE POROUS FILL.			Aills Cawoo renue South , AL 35233	.4462 ork.com
ARTITION FRAMING SHALL BE LAID OUT SO AS TO	<b>I 4.02. STRUCTURAL CONCRETE WALL COORDINATION:</b> COORDINATE ALL REQUIRED ELEVATOR SHAFT WALL PENETRATIONS, EMBED LOCATIONS, SPECIAL HOISTWAY INFILL BRACKETS (IF REQUIRED FOR INSTALLATION IN SHAFT PROVIDED), WALL MOUNTED LADDERS, ETC, WITH SELECTED ELEVATOR MANUFACTURER.			oodwyn N 100 5th Av rminghan	205.879 исиет w
TH A MINIMUM OF CUTTING BY OTHER TRADES. NSIDE THE BUILDING SHALL BE CONCEALED WITHIN ANNOT BE EASILY CONCEALED, NOTIFY THE	<b>14.03. STRUCTURAL CMU WALL COORDINATION:</b> COORDINATE ALL REQUIRED ELEVATOR SHAFT WALL PENETRATIONS, EMBED LOCATIONS, SPECIAL HOISTWAY INFILL BRACKETS (IF REQUIRED FOR INSTALLATION IN SHAFT PROVIDED), ROUCH OPENINGS FOR DOORS, ETC. WITH SELECTED ELEVATOR MANUEACTURER			Bii 24	⊢ ΰ
JIPMENT VENDORS FOR SUPPORT REQUIREMENTS SPACING MUST BE ABLE TO SUPPORT ANY	<b>I 4.04. ELECTRICAL COORDINATION:</b> COORDINATE A MINIMUM QUANTITY (2) PER CAB, ELEVATOR DISCONNECTS WITH SELECTED ELEVATOR MANUFACTURER				
60 @ 5 PSF HORIZ. LOAD. <-UP PLATES, AND SUPPORTING BRACKETS AS ) MECHANICAL ELECTRICAL, CASEWORK,	O DIVISION 21 EIDE SUDDDESSION				
JUNIED ACCESSORIES. TO COMPLY WITH THESE REQUIREMENTS WILL NOT	21.01. FIRE PROTECTION SYSTEMS: WHERE REQUIRED, INSTALL FIRE PROTECTION SYSTEMS IN STRICT ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES INCLUDING NEPA ALL FOLIPMENT LITUZED IN THE FIRE PROTECTION			DATE	\uthor \hecker
<b>R IDENTIFICATION</b> . BE PERMANENTLY LABELED IN RED STENCILED	SYSTEM SHALL BE LISTED BY UNDERWRITER'S LABORATORIES [UL].				
E BARRIER, SMOKE PARTITION, OR ANY OTHER . BE PERMANENTLY IDENTIFIED WITH SIGNS OR EALED SPACES WITH THE WORDING, "FIRE AND NGUAGE. SUCH SIGNS OR STENCILING SHALL BE IN	OF THE CONTRACTOR AS REQUIRED BY A PERFORMANCE SPECIFICATION, THE SYSTEM DESIGN SHALL BE SUPERVISED BY AN INDIVIDUAL WHO IS A REGISTERED FIRE PROTECTION ENGINEER AND/OR IS CERTIFIED AT LEVEL III OR HIGHER IN FIRE PROTECTION ENGINEERING TECHNOLOGY AUTOMATIC SPRINKLER SYSTEM LAYOUT BY THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGY (NICET).			IS INAL SUBM	DRAM
AN 15 FEET ON-CENTER. IN IDENITIFY RATED PARTITIONS AND WALLS AS	<b>21.03. FIRE PROTECTION PIPING:</b> SPRINKLER PIPING SHALL BE UNENCUMBERED BY THE WORK OF ANY OTHER TRADE THROUGHOUT THE ENTIRE BUILDING. UNDER NO CIRCUMSTANCES SHALL ANYTHING BE SUPPORTED BY, DRAPED OVER, TIED-OFF TO, OR SUSPENDED BY, SPRINKLER PIPING. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO CONTINUOUSLY MONITOR ONGOING WORK IN THE VICINITY OF SPRINKLER PIPING AND SHALL DIRECT ANY OTHER CONTRACTOR OR TRADESMAN TO IMMEDIATELY REMOVE AND RE-INSTALL ANY ITEM NOT IN COMPLIANCE WITH THIS REQUIREMENT.				
	P DIVISION 22 - PLUMBING			TE of	ALABA
	<b>22.01. CONCEALED PIPING:</b> ALL PIPING, DUCTWORK, ELECTRICAL RACEWAYS & CONDUITS SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL INCLUDE, IN THE BASE BID, REQUIRED FURRING TO CONCEAL THESE OF CONTRACTOR SHALL AND ELEPHANE IS HUBBING IS HUBBING.			Jay W Pur 9063 Owens Cross	rkey Roads,
5. CONTRACTOR SHALL BE RESPONSIBLE FOR WORK INSTALLED UNDER THESE CONTRACTS. THE	22.02. SECURE PIPING: TIE ALL PIPING "HARD" TO STRUCTURE.			GISTERED A	RCHIT
E WORK OF THIS CONTRACT. SEE SPECIFICATION TE CONTRACTS" ACTS WILL BE ASSIGNED TO THE GENERAL	22.03. GAS PIPING EXPOSED ON ROOF: WHERE GAS PIPING IS EXPOSED ON THE ROOF, PAINT GAS PIPING "YELLOW".				
	<b>22.04. PLUMBING FIXTURES:</b> CAREFULLY REVIEW THE DIMENSIONAL STANDARDS FOR INSTALLED PLUMBING FIXTURES, AND PLAN THE WORK TO ASSURE FULL COMPLIANCE OF CODE REQUIRED FIXTURE CLEARANCES.				
	Q DIVISION 23 - HVAC				
LLED UNDER SEPARATE CONTRACT, GENERAL RS SO WORK ON THOSE CONTRACTS MAY BE WORK UNDER THIS CONTRACT OR OTHER RK PERFORMED UNDER SEPARATE CONTRACTS. ED UNDER SPECIFICATION SECTION OI 1000 -	<b>23.01. MEP DEVICE/ FIXTURE COORDINATION:</b> COORDINATE LOCATIONS FOR DIFFUSERS, AND RETURN AIR GRILLES TO THE GREATEST EXTENT POSSIBLE IN ORDER TO MAINTAIN LIGHTING LAYOUT INDICATED IN THE DRAWINGS. MEP&FP CONTRACTORS SHALL COORDINATE WORK WITH OTHER TRADES PRIOR TO INSTALLATION.				
NED FOR THIS FACILITY REQUIRING ELECTRICAL, IT PLAN DRAWING AND/OR BOUND FQUIPMENT	R DIVISION 26 - ELECTRICAL			Z	
HESE REQUIREMENTS AND INCLUDE ALL WORK	<b>26.01. MEP DEVICE/ FIXTURE COORDINATION:</b> COORDINATE LOCATIONS FOR DIFFUSERS, AND RETURN AIR GRILLES TO THE GREATEST EXTENT POSSIBLE IN ORDER TO MAINTAIN LIGHTING LAYOUT INDICATED IN THE DRAWINGS. MEP&FP CONTRACTORS SHALL COORDINATE WORK WITH OTHER DISCIPLINES PRIOR TO INSTALLATION. ALL ELECTRICAL ITEMS INDICATED IN OR ON CABINETRY OR MILLWORK SHALL BE SUPPLIED, INSTALLED AND COORDINATED BY THE			ADDITIO	
DN (e,g. X-RAY, CT, MRI, OR SIMILAR MAJOR OR/S HOWEVER, THESE DRAWINGS ASSIGN < REQUIRED FOR A COMPLETE INSTALLATION THAT FAMILIARIZE HIMSELF WITH THESE	ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. <b>26.02. CENTER CEILING DEVICES:</b> CENTER LIGHTS, SUPPLY DIFFUSERS, RETURN GRILLES, SPRINKLER HEADS, ETC. IN CEILING PANELS IF NOT OTHERWISE INDICATED.			MOON	
ETE INSTALLATION.	<b>26.03. ELECTRICAL BOXES IN RATED PARTITIONS:</b> WHERE ELECTRICAL BOXED ARE INSTALLED IN FIRE-RATED METAL STUD PARTITIONS, INSTALL BOXES NO LARGER THAN SIXTEEN SQUARE INCHES (16 SI) IN AREA, AND DO NOT EXCEED ONE-HUNDRED SQUARE INCHES (100 SI) OF METALLIC BOX PER ONE-HUNDRED SQUARE FEET (100 SF) OF FIRE-			CLASSI	
ERIAL & FINISH OF ADJACENT WALL BASE, AT TOE	RATED WALL AREA. WHERE ELECTRICAL REQUIREMENTS DICTATE A HIGHER RATION, TREAT THE ELECTRICAL BOXES WITH CODE APPROVED METHOD TO ASSURE CONTINUOUS RATING. FURTHER, DO NOT INSTALL ELECTRICAL BOXES BACK-TO-BACK IN THE SAME STUD CAVITY WITHOUT APPROVED FIRE-RATED TREATMENT.			MAND	
ERTOPS UNLESS OTHERWISE INDICATED ON PLAN. VERYWHERE A COUNTERTOP BACKSPLASH ABUTS DTHERWISE INDICATED ON PLAN.	<b>26.04. ELECTRICAL DEVICES IN OR NEAR MILLWORK:</b> CAREFULLY LOCATE ELECTRICAL BOXES FOR DEVICES IN OR NEAR MILLWORK AND/OR CASEWORK TO ASSURE COORDINATED INSTALLATION. LOCATE ELECTRICAL DEVICES ABOVE COUNTERTOP SUCH THAT THE DEVICE COVER PLATE WILL NOT INTERFERE WITH SCHEDULED BACKSPLASH OR			DN GYI	
	SIDESPLASH.			ETITIC	
				T NE, AL 359	8 600
				STREE YNE, A	0240548
				<b>RT PA</b> I 45th ( RT PA	0CM # 2 3MC AH
				10 <b>50</b>	
				TES	N
					0
				ENER	
	10 11 12				





# GENERAL NOTES - PARTITIONS

#### UL LISTED ASSEMBLIES A. WHERE UL ASSEMBLY NUMBERS ARE REFERENCED ABOVE, PARTITIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH REQUIREMENTS SET FORTH BY THE UL FIRE RESISTANCE DIRECTORY. <u>SEE UL ASSEMBLY DRAWINGS (BEGINNING WITH</u> <u>DRAWING G I .23) FOR DETAILED UL ASSEMBLY REQUIREMENTS</u>. NO DEVIATION SHALL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT.

2. FIRE BARRIERS, FIRE PARTITIONS, & SMOKE BARRIERS [FIRE-RATED] A. ALL PERIMETER JOINTS MUST BE PROTECTED BY UL LISTED FIRE-RESISTANT JOINT SYSTEMS.

**B.** ALL PENETRATIONS OF RATED ASSEMBLIES MUST BE PROTECTED BY UL LISTED THROUGH-PENETRATION FIRESTOPPING ASSEMBLIES.

C. FIRE DAMPERS MUST PROTECT HVAC DUCT PENETRATIONS.
D. IDENTIFY FIRE WALLS, SMOKE BARRIERS, ETC., IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, WITH STENCILED LETTERING IN COMPLIANCE WITH GENERAL NOTE 9.08 FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIER IDENTIFICATION ON DRAWING G1.02, GENERAL NOTES.

- 3. SMOKE PARTITIONS [NON-RATED]
- A. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED SO AS TO RESIST THE PASSAGE OF SMOKE AND SHALL MEET THE CONTINUITY REQUIREMENTS DEFINED BY IBC 7 I 0.4
  B. ALL PERIMETER JOINTS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.
  C. ALL PIPING, ELECTRICAL, AND DUCT PENETRATIONS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.
- 2M ONLY 4. SOUND INSULATION
  - A. INSULATION THICKNESS SHALL MATCH CAVITY DEPTH UNLESS NOTED OTHERWISE. B. INSULATE BEHIND RECESSED ITEMS IN ANY SCHEDULED ACOUSTIC PARTITIONS.

### 10

#### 5. ACOUSTICAL SEALANT

- A. AT ALL GYP BOARD AND METAL STUD PARTITIONS: REQUIRED AT BOTTOM AND TOP RUNNERS AND AT WALL ANGLES WHERE DISSIMILAR MATERIALS MEET (SEE DETAILS)
- MATERIALS MEET (SEE DETAILS). B. AT SCHEDULED ACOUSTIC PARTITIONS: AIRTIGHT SEAL IS REQUIRED
- AT ALL PENETRATIONS. C. ELECTRICAL AND OTHER BOXES TO BE WRAP-SEALED (SEE DETAILS).
- 6. PARTITION COORDINATION WITH OTHER TRADES
   A. GENERAL CONTRACTOR AND SUBCONTRACTORS MUST COMPLY WITH <u>GENERAL NOTE 9.07, PARTITION COORDINATION WITH OTHER TRADES</u> ON DRAWING G I .02, GENERAL NOTES.

#### IMPORTANT NOTE

- . GENERAL NOTE REGARDING THE USE OF THIS DRAWING A. THIS DRAWING ILLUSTRATES THE FULL ARRAY OF STANDARD PARTITION TYPES USED BY GMC AND IS INTENDED TO BE PUBLSHED IN ITS ENTIRETY FOR REFERENCE .....HOWEVER,....BE ADVISED THAT NOT ALL PARTITION TYPES SHOWN ON THIS DRAWING WILL BE USED
- NOT ALL PARTITION TYPES SHOWN ON THIS DRAWING WILL BE USED IN EVERY PROJECT.B. PARTITION TYPES USED IN THIS PROJECT ARE AS TAGGED AND/OR
- AS NOTED ON THE FLOOR PLANS. C. DO NOT SPEND TIME SEARCHING FOR UNUSED PARTITION TYPES ON THE FLOOR PLANS AS YOU WILL NOT FIND THEM.
  - 12



.

\_\_\_\_\_

Μ		
L		
K		
J		
Н		
G		
F		
E		
D	CONTROL JOINT	
		<del>1</del>
	AT NON-RATED PARTITIONS	
С	FIRE-RATED CONTROL JOINT	
	JOINT MUST COMPLY WITH UL WW-D-0172	END
	AT FIRE-RATED PARTITIONS	UNBRACED PARTIAL HEIGHT PARTITION
B	Λ 1 CONTROL JOINT DETAILS	
N: 2022.1	AI SCALE: 11/2" = 1'-0"	A4 SCALE: 11/2
E VERSIC		
IEMPLAI		
A AM		
)24 11:48:0		
Ñ		

2 3





	13	3	14	1	
MS.					
THE				<b>7 r</b>	
IT					
DNS				● 200	
				d, LLC h, Suite	
ED				Cawoo e Soutl 35233	Σ O O
				Mills ( Avenue m, AL	9.4462 v o r k .
- .RT				odwyn 0 5th <i>i</i>	205.87 c n e t v
				Goo 240 Birn	₩ 9 1 1
=					
				24	lor cker
					:: Auth
Æ				ISSUI	ZKED BY
				EINAL SI	
S N D					
				TE of	ALAB
5,				Jay W Pu 9063	urkey
				Owens Cross Alabam	Roads, H
,				TERED	RCH
				<b>W</b>	
∪					
				SSROC	
				CLASSROC	
				AND CLASSROC	
				GYM AND CLASSROO	
				ION GYM AND CLASSROO	
				<b>PETITION GYM AND CLASSROO</b> 367	
				<b>COMPETITION GYM AND CLASSROO</b> T NE, AL 35967	60
				<b>YNE COMPETITION GYM AND CLASSROO</b> TREET NE, 'NE, AL 35967	1240548 JN230009
				<b>T PAYNE COMPETITION GYM AND CLASSROO</b> 45th STREET NE, T PAYNE, AL 35967	M # 20240548 C AHUN230009
				FORT PAYNE COMPETITION GYM AND CLASSROO 201 45th STREET NE, FORT PAYNE, AL 35967	DCM # 20240548 GMC AHUN230009
				FORT PAYNE COMPETITION GYM AND CLASSROO 201 45th STREET NE, FORT PAYNE, AL 35967	DCM # 20240548 GMC AHUN230009
				FORT PAYNE COMPETITION GYM AND CLASSROO 201 45th STREET NE, FORT PAYNE, AL 35967	DCM # 20240548 GMC AHUN230009
				FORT PAYNE COMPETITION GYM AND CLASSROO 201 45th STREET NE, FORT PAYNE, AL 35967	DCM # 20240548 GMC AHUN230009
				FORT PAYNE COMPETITION GYM AND CLASSROO         201 45th STREET NE,         FORT PAYNE, AL 35967	DCM # 20240548 GMC AHUN230009
				TEMS       201 45th STREET NE,         FORT PAYNE, AL 35967	DCM # 20240548 GMC AHUN230009
				I FORT PAYNE COMPETITION GYM AND CLASSROO SYSTEMS 201 45th STREET NE, FORT PAYNE, AL 35967	DCM # 20240548 GMC AHUN230009
				TION FORT PAYNE COMPETITION GYM AND CLASSROO PING SYSTEMS 201 45th STREET NE, FORT PAYNE, AL 35967	<b>31</b> BCM # 20240548 GMC AHUN230009
				ETRATION FORT PAYNE COMPETITION GYM AND CLASSROO STOPPING SYSTEMS 201 45th STREET NE, FORT PAYNE, AL 35967	<b>J131</b> BCM # 20240548 GMC AHUN230009

		LI	IFE SAFETY CODE ANALYSIS	
N	1	OVERALL BUILDING AREA53,148 (TOTAL GROSS SQUARE FEET)LOWER LEVEL = 32,581MAIN LEVEL = 16,060	FIRE RESISTANCE - WALLS & PARTITIONS       IBC CH 7         WALLS AND PARTITIONS       IBC TBL.       OPENING       RESISTANCE PROVIDED       OCCUPANCY       CLASSIFICATION         VALLS AND PARTITIONS       IBC TBL.       OPENING       RESISTANCE PROVIDED       OCCUPANCY       EDUCATIONAL	
		UPPER LEVEL = 4,507	SHAFT ENCLOSURES       I HR       TBD       TBD       UL #       CONSTRUCTION CLASSIFICATION         * LESS THAN 4 STORIES       I HR       TBD       TBD       UL #       CONSTRUCTION TYPE       TYPE II-A         * 4 OR MORE STORIES       2 HR       TBD       TBD       UL #       FULLY SPRINKLERED	<u>N</u>
	_	2015INTERNATIONAL BUILDING CODE (IBC)2015INTERNATIONAL FUEL GAS CODE (IFGC)2015INTERNATIONAL MECHANICAL CODE (IMC)	FIRE WALLS     N/A     N/A     N/A     N/A       HORIZONTAL EXITS     N/A     N/A     N/A     N/A	
		2015     INTERNATIONAL PLUMBING CODE (IPC)       2021     INTERNATIONAL FIRE CODE (IFC)       2014     NATIONAL FLECTRICAL CODE (NEC)	LXIT FASSAGLWATS     N/A     N/A     N/A     N/A       -     SMOKE BARRIERS     I HR     TBD     TBD     UL #       STORM SHELTER WALLS     -     -     -     -     -	
1		2014       INATIONAL ELECTRICAL CODE (INCODE (INCODE)         2015       INTERNATIONAL ENERGY CONSERVATION CODE (IECC)         2013       ANSI/ASHRAE/IESNA STANDARD 90.1-2013 ENERGY STANDARD FOR	* CAST IN PLACE CONCRETE PER IBC CH 7 TABLE       I HR       TBD       TBD       UL #         720.1(2), RESISTANCE BY MATERIAL THICKNESS       I HR       TBD       UL #         ACCESSORY / INCIDENTAL USE       I HR       TBD       TBD       UL #	
L	-	BUILDINGS EXCEPT LOW RISE RESIDENTIAL         2010       STANDARDS FOR ACCESSIBLE DESIGN         ICC 500-2020       ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS	* FURNACE RM W/ 400,000 BTU/HR INPUT EQMT I HR TBD TBD UL # • FORMACE RM W/ 400,000 BTU/HR INPUT EQMT I HR TBD TBD UL # • FORMACE RM W/ 400,000 BTU/HR INPUT EQMT I HR TBD TBD UL #	
		OCCUPANCYCLASSIFICATIONIBC CH 3OCCUPANCYASSEMBLY (A-4)	-       -	:D ED
	_	SPECIAL REQUIREMENTS IBC CH 4	* INCINERATOR RM       2 HR       TBD       TBD       UL #       980 SF       N/A       36"         * PAINT SHOP       2 HR       TBD       TBD       UL #       STORM SHELTER CALCULATIONS         * LABS # VOCATIONAL SHOPS       1 HR       TBD       TBD       UL #	
		N/A	* WASTE & LINEN RMS > 100 SF       I HR       TBD       TBD       UL #         * STATIONARY STORAGE BATTERY SYSTEMS       I HR       TBD       TBD       UL #	
k		CONSTRUCTION TYPE TYPE 2A - FULLY SPRINKLERED	* FIRE PUMP RM       I HR       TBD       TBD       UL #         FIRE RESISTANCE - HORIZONTAL       ASSEMBLIES         AREA AND I STUDENT PER 50 SF OF NET LABORATORY CLASSROOM AREA PL	'ANT )OM _US
		HEIGHT     ALLOWABLE: 85 FEET     ACTUAL: 47'-4"	HORIZONTAL ASSEMBLIES       IBC       RESISTANCE PROVIDED       I 0% FOR FACULTY PER MEMORANDUM ISSUED BY THE DIVISION OF         FLOOR/CEILING - STORM SHELTER       2 HR       2 HR       UL # D9 I 6       CONSTRUCTION MANAGEMENT (DCM) ON 07/29/10.	
	_	# OF STORIES     ALLOWABLE: 4     ACTUAL: 3       HEIGHT MODIFICATIONS     N/A	MEANS OF EGRESS       IBC CH 10       TOTAL OCCUPANTS         MAXIMUM ALLOWABLE       ASSEMBLY       TOTAL CLASSROOM AREA: 3,540 SF	
		AREA PER FLOORALLOWABLE: 46,500 SF/STORYACTUAL: LOWER LEVEL = 32,581 (32,581 < 46,500)	TRAVEL DISTANCE TO EXIT       250 FT [IBC 1017.2]       TOTAL STUDENTS:       118         COMMON PATH OF TRAVEL       75 FT [IBC 1006.2.1]       PLUS 10% FACULTY:       12         DEAD END LENGTH       20 ET [IBC 1020.4]       REQUIRED TOTAL OCCUPANT LOAD : 130 [129 SEATED; 1 WHEELCHAIR]	
J	J	AREA MODIFICATIONS : PER IBC CH 5, BUILDING AREAS LIMITED BY TABLE 503 SHALL BE PERMITTED TO BE INCREASED DUE TO FRONTAGE AND AUTOMATIC SPRINKLER SYSTEM PROTECTION	EGRESS OCCUPANTS       LOWER LEVEL = 1,561 OCCUPANTS         (DESIGN LOAD)       NAIN LEVEL = 228 OCCUPANTS         UPPER LEVEL = 210 OCCUPANTS       STANDING OR SEATED SPACE REQUIREMENTS: 5 SF/ PERSON	
		FRONTAGE INCREASE (IF)     N/A       AUTOMATIC SPRINKLER     N/A	Image: Stress of the level	ONE
	_	FIRE RESISTANCE - STRUCT FLEMENTS IBC CH 6	WHEELCHAIR SPACE FOR EVERY 200 SHELTER OCCUPANTS. 130 / 200 = ( OR 1 MIN. (EDITOR'S NOTE: ROUND CALCULATED VALUE UP TO NEAREST WH NUMBER)	).65 10le
		RESISTANCE REQUIRED BY IBC TYPE TABLE 601         CONSTRUCTION TYPE : 2A	STAIRWAY WIDTH       REQUIRED: 0.3" PER OCCUPANT       PROVIDED: 811"       194 OCCUPANTS X 5 SF/PERSON [E OCCUPANCY] = 970 SF         599 7"       1 WHEELCHAIR OCCUPANTS X (10 SF/PERSON - 5 SF/PERSON) = 10 SF	
F	1	RESISTANCE RESISTANCE PROVIDED REQUIRED RATING ACHIEVED BY	EGRESS WIDTH       REQUIRED: 0.2" PER OCCUPANT       PROVIDED: 552"       CLASSROOMS/WORK ROOM:         ICC 500 501.1.2.1: CALCULATION OF USABLE FLOOR AREA. THE USABLE	
		BUILDING ELEMENT - STRUCTURAL PRIMARY STRUCTURAL FRAME (PER CH 2 WITH RATING NOT LESS THAN CH 7)	SHELTER FLOOR AREA SHALL BE DETERMINED BY USING THE FOLLOWING PERCENTAGES: I. REDUCING THE GROSS FLOOR AREA OF SHELTER AREAS WITH CONCENTRA	ATED
	_	STRUCTURAL MEMBERS HAVING DIRECT CONNECTION TO COLUMNS - BEAMS, GIRDERS_TRUSSES_AND_SPANDRELS	ACTUAL LOAD CALCULATIONS       FURNISHINGS OR FIXED SEATING BY A MINIMUM OF 50 PERCENT.         OCCUPANT       WC       LAV       BATH/       DRINKING       SVC       SVC       VICONCENTRATED FURNISHINGS AND WITHOUT FIXED SEATING BY A MINIMUM	ИOF
		BEARING WALLS       EXTERIOR WALLS (RATING NOT LESS	OCCUPANCY       LOAD       M       F       USX       M       F       USX       SHOWER FOUNTAIN SINKS       35 PERCENT.         (ACTUAL)       (ACTUAL)       Image: Construction of the second secon	
G	<b>;</b>	THAN CH 6 OR CH 7)     I HR     I HR     IINTERIOR WALLS	ASSEMBLY       ASSEMBLY         GYMNASIUMS       866M       866F       12       22       -       5       6       -       -       1       TOTAL CLASSROOM/WORK ROOM AREA: 3,540 SF         35%       REDUCTION: 3,540 SF X .65 = 2,301 SF       -       -       -       -       -       -       -       35%       REDUCTION: 3,540 SF X .65 = 2,301 SF	
		NON BEARING WALLS AND PARTITIONSEXTERIOR WALLS (BASED ON FIRE SEPARATION DISTANCE PER CH 6)O HRO HRX > 30	B BUSINESS 18 9M 9F 1 1 - 1 1 1 1 1 - C BUSINESS 9M 9F 1 1 - 1 1 1 1 1 1 1 1 1 1 1 CORRIDOR (OPEN AREA): ICC 500 501.1.2.2: ALTERNATIVE CALCULATION OF USABLE FLOOR AREA. T	ГНЕ
		NON BEARING WALLS AND PARTITIONS       INTERIOR WALLS (RATING NOT LESS THAN	E 232 (EDUCATIONAL / 16M 16F 3 3 - 3 3 3 1 0 USABLE SHELTER FLOOR AREA SHALL BE DETERMINED BY SUBTRACTING FROM EXERCISE)	л тне <sup>-</sup> IXED
		REQUIRED BY SECTIONS OTHER THAN     O HR        SECTION 6)        FLOOR CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)	S     18       (STORAGE / MECH /     18	
F	:	FLOOR CONSTRUCTION HAVING DIRECTI HRI HRCONNECTIONS TO THE COLUMNSI HRROOF CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)	ELECTRICAL)	
		ROOF CONSTRUCTION HAVING DIRECT       I HR       I HR       I HR          CONNECTIONS TO THE COLUMNS       I HR       I HR          ELDE       DESISTANCE       MALLS (DADTITIONS       IBC CH 7	PROVIDED: 2,570 SF       PLUMBING FIXTURES	
		[SPECIAL PROVISION NOTES FOR FIRE RESISTANCE FOR WALLS AND PARTITIONS IF APPLICABLE]	TOILETS REQUIRED: 2 (2 MIN + 1 PER 500 OCCUPANTS) PROVIDED: 2	
		- FIRE WALLS : PER CH 7 FIRE WALLS FOR OCCUPANCY GROUP E SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 3-HOURS.	Image: PROVIDED	
-	_	EXCEPTION : IN TYPE II, WALL SHALL BE PERMITTED TO HAVE A 2-HOUR FIRE RESISTANCE RATING. FIRE WALLS SHALL BE CONTINUOUS FROM EXTERIOR WALL TO EXTERIOR WALL AND SHALL EXTEND AT LEAST I 8 INCHES BEYOND THE EXTERIOR SURFACE OF EXTERIOR WALLS.	*NOTE* PURSUANT TO ITEMS 3, 4, AND 5 OF DIVISION OF CONSTRUCTION MANAGEMENT (DCM) BULLETIN ISSUED JANUARY 2008, "D.C.M WILL PERMIT THE ARCHITECT TO CALCULATE THE ACTUAL A FIRST AID KIT SHALL BE SUPPLIED IN ALL TORNADO SHELTERS WITH A SHELT	ΓER
E		EXCEPTION : FIRE WALLS SHALL BE PERMITTED TO TERMINATE AT THE INTERIOR SURFACE OF NONCOMBUSTIBLE EXTERIOR SHEATHING WHERE THE BUILDING ON EACH SIDE OF THE FIRE WALL IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH CH 9. FIRE WALLS SHALL BE	OCCUPANT LOAD BASED ON THE PRIMARY DAY-TO-DAY FUNCTION OF THE SPACE FOR DETERMINING MINIMUM PLUMBING FIXTURES AND OTHER CODE REQUIREMENTS. GENERALLY, CAFETERIAS AND GYMNASIUMS SHALL BE BASED ON TABLE 1004.1.1, "ASSEMBLY WITHOUT FIXED SEATS,OCCUPANT LOAD OF GREATER THAN 50. GC TO SUPPLY 1000 PERSON KIT FOR TORNADO SAFETY ROOM WITH 501-1000 PERSON CAPACITY. GC IS RESPONSIBLE TO SUPPLY TWO (2) 1000 PERSON KITS FOR THE SHELTER.	ЭR
		CONTINUOUS FROM THE FOUNDATION TO A TERMINATION POINT AT LEAST 30 INCHES ABOVE BOTH ADJACENT ROOFS. EXCEPTION : WALLS SHALL BE PERMITTED TO TERMINATE AT THE UNDERSIDE OF NONCOMBUSTIBLE	UNCONCENTRATED". IF THE ARCHITECT ELECTS TO USE THE EXCEPTION, THE ARCHITECT MUST SHOW BOTH THE DESIGN IF THE ARCHITECT ELECTS TO USE THE EXCEPTION, THE ARCHITECT MUST SHOW BOTH THE DESIGN SUBCONTRACTORS	AND
	_	ROOF SHEATHING, DECK OR SLABS WHERE BOTH BUILDINGS ARE PROVIDED WITH NOT LESS THAN A CLASS B ROOF COVERING. OPENINGS IN THE ROOF SHALL NOT BE LOCATED WITHIN 4 FEET OF THE FIRE WALL.	OCCUPANT LOAD AND THE ACTUAL OCCUPANT LOAD ON THE LIFE SAFETY PLAN SUBMITTED TO THE D.C.M FOR REVIEW. FOR THE CONSTRUCTION OF A MAIN WIND-FORCE RESISTING SYSTEM OR A	BLE NY
		- SHAFT ENCLOSURES : PER CH 7 SHAFT ENCLOSURES SHALL BE CONSTRUCTED AS FIRE BARRIERS OR HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH CHAPTER 7, OR BOTH.	FOR MULTI-USE SPACES UTILIZED BY THE PUBLIC, THE ARCHITECT MUST USE REASONABLE JUDGMENT IN LOCATING RESTROOM FACILITIES SO THAT THEY ARE ADEQUATE IN NUMBER AND READILY ACCESSIBLE DURING OUTSIDE ACTIVITIES.	UTTEN THE
C		EXCEPTION : IN OTHER THAN GROUP H OCCUPANCIES, AS SHAFT ENCLOSURE IS NOT REQUIRED FOR FLOOR OPENINGS COMPLYING WITH THE PREVISION FOR ATRIUMS IN CH 4. SHAFT ENCLOSURES SHALL	COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL INCLUDE: I. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS	
		HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN I HOUR WHERE CONNECTING LESS THAN FOUR STORIES, AND NOT LESS THAN THE FLOOR ASSEMBLY PENETRATED, BUT NEED NOT EXCEED 2 HOURS. EXTERIOR WALLS SERVING AS PART OF THE SHAFT ENCLOSURE SHALL COMPLY WITH CH 5 AND THE FIRE-	CONTAINED IN THE QUALITY ASSURANCE PLAN. <b>2.</b> ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.	
	_	RESISTANCE RATED ENCLOSURE REQUIREMENTS SHALL NOT APPLY	<b>3.</b> PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF REPORTS.	
			4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.	Н
C			THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY FORM, ISSUED PER THI DIVISION OF CONSTRUCTION MANAGEMENT (DCM), CAN BE FOUND IN THE SPECIFICATIONS OR A COPY CAN BE OBTAINED FROM THE ARCHITECT.	E
	_			
22.1 H	3			
SION: 202				
ATE VERS				
TEMPLA				

![](_page_7_Figure_6.jpeg)

![](_page_8_Figure_0.jpeg)

13	14		
		Goodwyn Mills Cawood, LLC 2400 5th Avenue South, Suite 200 Birmingham, AL 35233	T 205.879.4462 GMCNETWORK.COM
		ISSUE     DATE       DCM FINAL SUBMITTAL     11:14:24       11:14:24     11:14:24	DRAWN BY: Author CHECKED BY: Checker
		Jay W Pur 9063 Owens Cross I Alabama	key Roads, 5 RCHIN
LIFE SAFETY S SN1	IGNAGE LEGEND EMERGENCY EVACUATION MAP SIGNAGE DOOR WITH MANUAL CLOSURE SIGNAGE OCCUPANCY COUNT SIGNAGE STORM SHELTER DESIGN SIGNAGE STORM SHELTER ACCESS SIGNAGE STORM SHELTER ENTRANCE SIGNAGE FIRST AID KIT	GYM AND CLASSROOM ADDITION	
FHC FFC FFC FFC FFC FFC FFC FFS FFS	FIRE EXTINGUISHER FIRE HOSE CONNECTION FIRE EXTINGUISHER CABINET FIRE ALARM MANUAL PULL STATION FIRE ALARM MORN FIRE ALARM HORN FIRE ALARM STROBE FIRE ALARM HORN/STROBE FIRE ALARM HORN/STROBE-CEILING MT FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM PANEL /SUBPANEL MED GAS ALARM PANEL ILLUMINATED EXIT SIGN	FORT PAYNE COMPETITION 201 45th STREET NE, FORT PAYNE, AL 35967	DCM # 20240548 GMC AHUN230009
	CLEAR EXIT WIDTH SYMBOLS SIMILAR) ADA ACCESSIBLE ROUTE DISTANCE OF TRAVEL 0 - HR SMOKE-RESISTIVE PARTITION 1 - HR SMOKE BARRIER 1 - HR FIRE BARRIER 2 - HR FIRE BARRIER 3 - HR FIRE BARRIER 4 - HR FIRE BARRIER	LIFE SAFETY PLAN - LOWER LEVEL	G2.01

![](_page_9_Figure_0.jpeg)

LIFE SAFETY SIGNAGE LEGEND NT SUBJECT SIGNAGE LEGEND NT SUBJECT SIGNAGE LEGEND NT SUBJECT SIGNAGE LEGEND NT SUBJECT SIGNAGE SIGNAGE SIGN SIGNAGE SIGNAGE SIGNAGE SIGN
LIFE SAFETY SIGNAGE LEGEND MI 2000000000000000000000000000000000000
LIFE SAFETY SIGNAGE LEGEND         SIT
FE       PIRE EXTINGUISHER         FRC       FIRE HOSE CONNECTION         FRC       FIRE HOSE CONNECTION         MSL       FIRE ALARM MANUAL PULL STATION         FRE       FIRE ALARM MANUAL PULL STATION         FRF       FIRE ALARM MANUAL PULL STATION         FRF       FIRE ALARM MORN/STROBE         FRS       FIRE ALARM PANEL         MGA       MED GAS ALARM PANEL         MGA       MED GAS ALARM PANEL         MGA       MED GAS ALARM PANEL         MGA       O - HR SMOKE-RESISTIVE PARTITION         I - HR SIMOKE-RESISTIVE PARTITION       I - HR SMOKE ARRIER         I - HR SMOKE BARRIER       O - HR SMOKE BARRIER         I - HR FIRE BARRIER       I - HR FIRE BARRIER         I - HR SMOKE BARRIER       2 - HR FIRE BARRIER         I - HR FIRE BARRIER       2 - HR FIRE SMOKE BARRIER
ILLUMINATED EXIT SIGN         ILLUMINATED EXIT SIGN         ILLUMINATED EXIT SIGN         EXIT DISCHARGE W/ (EXIT AND EXIT ACCESS CLEAR EXIT WIDTH SYMBOLS SIMILAR)         ILLUMINATED EXIT WIDTH SYMBOLS SIMILAR)         ILLUMINATED EXIT SIGN         ILLUMINATED EXIT SIGN         ILLUMINATED EXIT ACCESS         CLEAR EXIT WIDTH SYMBOLS SIMILAR)         ILLUMINATED EXIT NOTH         INDECOMPT         ADA ACCESSIBLE ROUTE         DISTANCE OF TRAVEL         O - HR SMOKE-RESISTIVE PARTITION         I - HR SMOKE BARRIER         I - HR FIRE BARRIER

![](_page_10_Figure_0.jpeg)

2 3 4 5 9

10 11

13 14	
	CC
	Goodwyn Mills Cawood, LLC 2400 5th Avenue South, Suite 200 Birmingham, AL 35233 T 205.879.4462 GMCNETWORK.COM
	ISSUE     DATE       DATE     DATE       DM FINAL SUBMITTAL     11:14.24       II:14.24     11:14.24       DRAWN BY:     Author       CHECKED BY:     Checker
	Jay W Purkey 9063 Owens Cross Roads, Alabama
SNI       EMERGENCY EVACUATION MAP SIGNAGE         SN2       DOOR WITH MANUAL CLOSURE SIGNAGE         SN3       OCCUPANCY COUNT SIGNAGE         SN4       STORM SHELTER DESIGN SIGNAGE         SN5       STORM SHELTER ACCESS SIGNAGE         SN6       STORM SHELTER ENTRANCE SIGNAGE         SN6       FIRST AID KIT	YM AND CLASSROOM ADDITION
FE       FIRE EXTINGUISHER         FHC       FIRE HOSE CONNECTION         FEC       FIRE EXTINGUISHER CABINET         MS       FIRE ALARM MANUAL PULL STATION         FHN       FIRE ALARM MORN         FS<	FORT PAYNE COMPETITION O 201 45th STREET NE, FORT PAYNE, AL 35967 DCM # 20240548 GMC AHUN230009
MED GAS ALARM PANEL MGA MED GAS ALARM PANEL MED G	LAN-UPPER
2 - HR FIRE-SMOKE BARRIER 3 - HR FIRE BARRIER 4 - HR FIRE BARRIER	LIFE SAF LEVEL

### **Best Management Practices Notes**

- 1. ALL BEST MANAGEMENT PRACTICES SHALL BE DEVELOPED AND MAINTAINED BY THE CONTRACTOR ACCORDING TO THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, (MARCH 2024 ed. OR MOST CURRENT) BY THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND FAMILIARIZING HIMSELF WITH THE HANDBOOK AND THE STANDARDS AND MATERIALS CONTAINED THEREIN. THE HANDBOOK MAY BE PURCHASED FROM THE ALABAMA CHAPTER OF THE SOIL AND WATER CONSERVATION SOCIETY THROUGH THE COUNTY SOIL AND WATER CONSERVATION FOUNDATION. ORDER FORMS ARE AVAILABLE ON THE HOME PAGES OF THE ALABAMA CHAPTER OF THE SOIL AND WATER CONSERVATION SOCIETY (http://www.alchapterswcs.aces.edu) AND THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE (https://alconservationdistricts.gov/) AND AT LOCAL SOIL AND WATER CONSERVATION DISTRICT OFFICES IN EACH COUNTY.
- . THE MAINTENANCE OF ALL BEST MANAGEMENT PRACTICES, SO AS TO BE AN EFFECTIVE BARRIER TO EROSION AND SEDIMENTATION, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN COMPLIANCE WITH ALL ADEM AND EPA BEST MANAGEMENT PRACTICES AND THE NPDES PERMIT ASSOCIATED WITH THIS SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR. REPLACEMENT. AND/OR SUPPLEMENTATION OF ANY CONTROL MEASURES THAT ARE NOT FUNCTIONING PROPERLY. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN ON THE PLANS SHALL BE CONSIDERED A MINIMUM.
- 3. OTHER THAN LAND-CLEARING ACTIVITIES REQUIRED TO INSTALL THE APPROPRIATE BMP IN ACCORDANCE WITH THE BMP PLANS, ANY DOWN SLOPE EROSION AND SEDIMENT CONTROL MEASURES, ON-SITE STREAM CHANNEL PROTECTION AND UPSLOPE DIVERSION OF DRAINAGE REQUIRED BY THE BMP PLAN SHALL BE IN PLACE AND FUNCTIONAL BEFORE ANY CLEARING OR EARTH MOVING OPERATIONS BEGIN AND SHALL BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT SHALL BE REPLACED AT THE END OF THE WORKDAY.
- 4. THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE WHICH CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. ANY SLOPE OR FILL WHICH HAS BEEN GRADED SHALL WITHIN THIRTEEN (13) DAYS OF THE COMPLETION OF SUCH GRADING OR THE COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE BE PROVIDED WITH GROUND COVER. MATERIALS, DEVICES, OR STRUCTURES SUFFICIENT TO RETAIN EROSION. THE BMPs SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE BMP PLAN UNTIL THE GRADED SLOPE OR FILL IS STABILIZED.
- 5. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT (PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS) SHALL BE STORED IN ACCORDANCE WITH SPCC REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH ADEM REGULATIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ONSITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING TRASH FROM ENTERING THE STORM DRAINAGE SYSTEM.
- 6. ALL CONTROL MEASURES SHALL BE CHECKED, AND REPAIRED AS NECESSARY, MONTHLY IN DRY PERIODS. AND WITHIN 24 HOURS AFTER ANY RAINFALL AT THE SITE OF 0.75 INCH WITHIN A 24 HOUR PERIOD. DURING PROLONGED RAINFALLS, DAILY CHECKING AND, IF NECESSARY, REPAIRING SHALL BE DONE. THE PERMITTEE SHALL MAINTAIN WRITTEN RECORDS OF SUCH CHECKS AND REPAIRS, WHICH SHALL BE SUBJECT TO THE INSPECTION OF THE OFFICIAL AT ANY REASONABLE TIME.
- 7. DISTURBED AREA = <u>3.68+/-</u> Acres
- 8. APPROXIMATE START DATE: NOVEMBER 2024. APPROXIMATE END DATE: MAY 2026.
- 9. EXISTING SITE CONDITIONS: GRASS FIELD, SIDEWALK, AND ASPHALT PARKING LOT WITH ASSOCIATED DRAINAGE STRUCTURES
- 10. ALL MATERIALS SHALL BE PROPERLY STORED, NOT EXPOSED TO RAIN, AND STOCKPILED. ALL CONTAINERS SHALL BE STORED CLOSED OR IN COVER. ALL EXCESS OR WASTE MATERIAL SHALL BE DISPOSED OF PROPERLY. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION WASTE DUMPSTER OR TRAILER ON SITE FOR CONSTRUCTION WASTE. THE CONTRACTOR SHALL DISPOSE OF TRASH AND WASTE TO AN ACCEPTABLE OFFSITE FACILITY EVERY 10 DAYS MINIMUM.
- 11. THERE SHALL BE NO DISTINCTLY VISIBLE FLOATING SCUM, OIL, OR OTHER MATTER CONTAINED IN THE STORM WATER DISCHARGE TO A RECEIVING WATER, MUST NOT CAUSE AN UNNATURAL COLOR (EXCEPT DYES OR OTHER SUBSTANCES DISCHARGED FOR THE PURPOSE OF ENVIRONMENTAL STUDIES AND WHICH DO NOT HAVE A HARMFUL EFFECT ON THE RECEIVING WATER), OR ODOR IN THE RECEIVING WATERS. THE STORM WATER DISCHARGE TO RECEIVING WATER MUST RESULT IN NO MATERIAL IN CONCENTRATION SUFFICIENT TO BE HAZARDOUS OR OTHERWISE DETRIMENTAL TO HUMANS, LIVESTOCK, WILDLIFE, PLANT LIFE OR FISH AND AQUATIC LIFE IN THE RECEIVING WATER.
- 12. WHEN THE LAND-DISTURBING ACTIVITY IS FINISHED AND STABLE VEGETATION OR OTHER PERMANENT CONTROLS HAVE BEEN ESTABLISHED ON ALL REMAINING EXPOSED SOIL, THE OWNER OF THE LAND WHERE THE LAND-DISTURBING ACTIVITY WAS CONDUCTED, OR HIS AUTHORIZED AGENT, SHALL NOTIFY THE OFFICIAL OF THESE FACTS AND REQUEST A FINAL INSPECTION. THE OFFICIAL SHALL THEN INSPECT THE SITE WITHIN 5 WORKING DAYS AFTER RECEIPT OF NOTICE, AND MAY REQUIRE ADDITIONAL MEASURES TO STABILIZE THE SOIL AND CONTROL EROSION AND SEDIMENTATION AS REQUIRED.
- 13. THE CONTRACTOR SHALL MINIMIZE THE TRACKING OF MUD AND DEBRIS ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION EXIT PAD AS NOTED ON THE PLANS AND MAINTAIN IT ON A REGULAR BASIS AS AN EFFECTIVE MEASURE FOR REMOVING MUD AND DEBRIS FROM EQUIPMENT TIRES FROM BEING TRACKED FROM THE SITE ONTO ADJACENT ROADWAYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SPRAY HOSE FOR WASHING OF TIRES AND EQUIPMENT, THE PERIODIC REWORKING OF THE CONSTRUCTION EXIT PAD STONE, OR SUPPLEMENTING THE EXIT PAD WITH ADDITIONAL STONE AS REQUIRED TO ENSURE ITS CONTINUED EFFECTIVENESS THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AT HIS EXPENSE ANY MUD AND DEBRIS TRACKED OFFSITE AND ONTO ADJACENT ROADWAYS AS REQUIRED.
- 14. ALL EXISTING AND NEW STORM DRAINAGE INLETS, STRUCTURES, AND PIPES SHALL BE CLEANED OF TRASH AND SEDIMENTS ON A REGULAR BASIS, WEEKLY AT A MINIMUM, SO AS NOT TO ALLOW DOWNSTREAM POLLUTION OF RECEIVING WATERS OR THE ESCAPING OF SEDIMENTS OFF SITE.
- 15. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE PROVIDED AS REQUIRED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS. 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING DUST TO A MINIMUM THROUGH THE USE OF WATER
- TRUCKS OR OTHER DUST CONTROLLING METHODS THROUGHOUT THE CONSTRUCTION PERIOD. 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING EROSION AND SILTATION OFF OF ADJACENT AND DOWNSTREAM PROPERTIES AND/OR ADJOINING SITES. AT HIS EXPENSE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SEDIMENTS AND DEBRIS ESCAPING THIS PROJECT SITE, THE REMEDIATION AND/OR REPAIR
- OF ANY DAMAGE THAT MAY OCCUR AS A RESULT TO ADJOINING AND/OR DOWNSTREAM AFFECTED PROPERTIES OR OFFSITE STRUCTURES, AND ANY FINES OR PENALATIES LEVIED AGAINST THE PROJECT BY REGULATORY AGENCIES DUE TO DEFICIENCIES OF CONTROL MEASURES. 18. ALL DISTURBED AND REGRADED AREAS NOT TO BE PAVED SHALL RECEIVE TOPSOIL AND BE SEEDED AND MULCHED
- ACCORDING TO A.L.D.O.T. PERMANENT SEEDING SCHEDULES, COVERED WITH SOLID SOD, OR AS SHOWN ON THE LANDSCAPE PLAN (IF ANY). LOCALIZED EROSION AND RILLS SHALL BE REPAIRED AS NECESSARY AT THE CONTRACTORS EXPENSE. AREAS TO BE SEEDED SHALL RECEIVE 4" OF TOPSOIL AND AREAS TO BE SODDED SHALL RECEIVE 2" (MIN.) OF TOPSOIL. ACCOUNT FOR THICKNESS OF TOPSOIL WITH RESPECT TO FINISHED GRADES.

### **Demolition Notes**

- 1. ALL ON-SITE EXISTING UTILITIES NOT TO BE USED SHALL BE REMOVED. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY FOR THE REMOVAL AND DISCONNECTION OF EXISTING UTILITIES.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES IN ALL AREAS TO BE REMOVED OR DEMOLISHED, PRIOR TO COMMENCEMENT OF WORK. THE UTILITIES TO BE LOCATED SHALL INCLUDE, BUT NOT BE LIMITED TO WATER, GAS, SANITARY SEWER, STORM SEWER, SITE LIGHTING, IRRIGATION, SECURITY, CABLE, SITE ELECTRICAL, AND TELEPHONE.
- 3. ALL UTILITIES TO BE REMOVED SHALL BE CUT, REMOVED, CAPPED, ETC. ACCORDING TO ALL GOVERNING AGENCIES SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY AGENCIES PRIOR TO ANY WORK BEING DONE ON THEIR RESPECTIVE LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING AND INFORMING EACH UTILITY AGENCY OF THE SCOPE OF WORK AND SCHEDULE OF COMPLETION, AND SHALL COORDINATE ALL INSPECTIONS.
- 4. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AND SHALL LOCATE ON THE GROUND WITH PAINT OR OTHER EASILY VISIBLE MEANS ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION EFFORTS. CONFLICTS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY. THE UTILITIES SHOWN ARE ILLUSTRATED AS LOCATED ON THE GROUND BY LINE LOCATORS. SURVEY OF ABOVE GROUND STRUCTURES, AND/OR ACCORDING TO UTILITY MAPS OR UTILITY ADMINISTRATOR'S RECOLLECTION, AND ARE PROVIDED AS INFORMATION ONLY.
- 5. THE CONTRACTOR SHALL PRESERVE AND PROTECT, ACCORDING TO THE INSTRUCTIONS OF THE UTILITY INVOLVED. ANY "LIVE" UTILITIES LOCATED BY THE UTILITY COMPANY OR THE CONTRACTOR.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL CONCRETE, SIDEWALKS, WALLS, ETC. DAMAGED DURING CONSTRUCTION. ALL DISTURBED AREAS WITHIN PUBLIC RIGHTS OF WAY SHALL BE RESTORED TO THE ORIGINAL CONDITION OR AS ACCEPTED BY THE OWNER.

### **General Notes**

- 1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND CONDITIONS OF ALL UTILITIES TO BE UTILIZED FOR CONSTRUCTION SERVICE HOOK UPS, STORM SEWERS AND SANITARY SEWERS PRIOR TO PROCEEDING WITH THE LAYING OF PIPE. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY OF ANY CONFLICTS OR DISCREPANCIES. ALL SERVICE CONNECTIONS TO UTILITIES SHALL BE APPROVED BY THE RESPECTIVE UTILITY AND SHALL CONFORM TO THE LATEST SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES CONCERNING CONFLICTS, RELOCATION, REMOVAL. AND INTERRUPTIONS OF SERVICE.
- 3. THE WORK REQUIRED TO RELOCATE, REMOVE, INSTALL, REPLACE, ETC. UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WITHIN THE LIMITS OF WORK.
- 4. THE CONTRACTOR SHALL BE IN POSSESSION OF ALL REQUIRED PERMITS PRIOR TO ANY CONSTRUCTION EFFORTS.
- 5. ANY CHANGES OR REVISIONS MADE TO THE SITE PLANS SHALL BE SUBMITTED FOR APPROVAL TO THE CITY OF FORT PAYNE AND ALL OTHER PERTINENT AGENCIES.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXTENT, LOCATION AND ELEVATION OF THE EXISTING IMPROVEMENTS. IF ANY SIGNIFICANT DIFFERENCE IN SITE CONDITION OR ELEVATION IS FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.
- 7. UNSTABLE AND PUMPING SUB GRADE CONDITIONS MAY OCCUR DURING SITE PREPARATION AND UNDERCUTTING OPERATIONS. PROPER PROTECTION OF SUB GRADE, DRAINAGE AND DEWATERING WILL BE CRITICAL TO SITE CONSTRUCTION EFFORTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MINIMIZE EQUIPMENT TRAFFIC ACROSS THE SITE. EVERY EFFORT SHALL BE MADE TO LOCALIZE EQUIPMENT STAGING AND TRAFFIC TO SPECIFIC AREAS AND LIMIT THE AMOUNT OF UNDERCUTTING AND SOIL STABILIZATION THAT MAY BE NEEDED. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR FURTHER RECOMMENDATIONS.
- 8. SEE THE GEOTECHNICAL INVESTIGATION PERFORMED BY GOODWYN MILLS CAWOOD FOR GENERAL EARTHWORK AND PAVEMENT EVALUATIONS AND RECOMMENDATIONS. SPECIFIC CONSTRUCTION CONCERNS AND ACTUAL CONSTRUCTION MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND FAMILIARIZING HIMSELF WITH THE INVESTIGATION AND THE EVALUATIONS AND RECOMMENDATIONS CONTAINED THEREIN.
- 9. ALL GRADING OPERATIONS SHALL BE MONITORED BY A QUALIFIED GEOTECHNICAL CONSULTANT AS CHOSEN AND PAID FOR BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING SAID CONSULTANT IN ADVANCE OF ALL REQUIRED TESTING AND SECURING COPIES OF RESULTING REPORTS.
- 10. ALL EXCESS EXCAVATION CREATED BY GRADING OPERATIONS SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF SITE.
- 11. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, CENTER OF STRIPE, FACE OF BUILDING OR AS SPECIFIED IN THE PLANS.
- 12. ALL SPOT ELEVATIONS SHOWN REFLECT ELEVATIONS AT GUTTER LINE, ASPHALT, OR FINISHED GROUND ELEVATION, UNLESS OTHERWISE NOTED. TOP AND BOTTOM ELEVATIONS FOR RETAINING WALLS (IF ANY) REPRESENT THE FINISHED GROUND ELEVATION AT THE WALL, NOT FOOTINGS, RAILINGS ETC. 13. ALL STORM DRAINAGE PIPE SHALL BE CLASS 3 MINIMUM REINFORCED CONCRETE PIPE WITH TYPE 1, 2 OR 3 BEDDING
- UNLESS SPECIFICALLY SHOWN OTHERWISE IN THE PLANS. IF ANOTHER TYPE OF PIPE IS SPECIFIED, BEDDING AND BACKFILL SHALL BE AS PER THE MANUFACTURER'S STANDARDS AND SPECS.
- 14. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL CONNECTION POINT, SERVICE, SIZE, POLE LOCATIONS, AND TRANSFORMER LOCATIONS WITH THE SERVICE PROVIDER PRIOR TO CONSTRUCTION ACTIVITIES.
- 15. THE CONTRACTOR SHALL PAY ALL CONNECTION COSTS AND FEES, INCLUDING BUT NOT LIMITED TO TAPPING FEES METER COSTS, SETTING CHARGES, AND CONNECTION CHARGES.
- 16. ALL DRAINAGE STRUCTURES, INLETS BOXES, MANHOLES, ETC. SHALL BE POURED IN PLACE OR PRE CAST CONCRETE AS REQUIRED.
- 17. BRICK WILL ONLY BE ALLOWED TO ADJUST GRADE ON STORM MANHOLES. THE MAXIMUM ALLOWABLE HEIGHT OF BRICK SHALL BE 11 INCHES. 18. ALL DRAINAGE STRUCTURES, INLET BOXES, AND CATCH BASINS SHALL HAVE 2" WEEP HOLES FORMED, OR DRILLED, ON ALL SIDES WHERE DRAINAGE PIPES DO NOT INTERFERE WITH THEM. ALL WEEP HOLES SHALL HAVE GRAVEL
- HOLE. 19. THE CONTRACTOR SHALL USE SPILL OUT CURB AND GUTTER AS REQUIRED TO ENSURE POSITIVE DRAINAGE AND THAT NO WATER IS HELD IN THE LOW POINTS OF GUTTERS. THE TRANSITION FROM STANDARD GUTTER TO SPILLOUT GUTTER SHALL BE SMOOTH AND AESTHETICALLY PLEASING.
- 20. THE CONTRACTOR SHALL ENSURE THAT ALL SIDEWALKS, RAMPS, AND ACCESSIBLE PARKING AREAS ARE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES.

#### PERMANENT SEEDING SPECIFICATION

#### 1. SEED MIXES

REFERENCE: ALDOT STANDARD S SECTION 652, SECTION 860, AND (	PECIFICATIONS F	FOR HIGHWAY CO ICABLE.	NSTRUCTION, 2012 ED
ZONE 1 - AREAS SUBJECT TO FRE	QUENT MOWING	(REQUIRED LBS.	PER ACRE)
DATE OF PLANTING	AUG. 16-FEB. 29	<u>MAR. 1-MAY 15</u>	<u>MAY 16-AUG. 15</u>
ANNUAL RYEGRASS	25		
HULLED BERMUDAGRASS		18	24
UNHULLED BERMUDAGRASS	30	12	
ANNUAL LESPEDEZA (KOBE)			38
WHITE DUTCH CLOVER	5	6	
REQD. PERMANENT PLANT		BERMUDAGRASS	5
ZONE 1 - AREAS NOT SUBJECT TO	FREQUENT MOV		LBS. PER ACRE)
DATE OF PLANTING	JAN. 1-FEB. 29	MAR. 1-AUG. 15	AUG. 16-NUV. 15 NUV
ANNUAL RYEGRASS	15	40	
HULLED BERMUDAGRASS		18	
UNHULLED BERMUDAGRASS	35	12	18
TALL FESCUE	35	35	35
WEEPING LOVEGRASS		2	
HULLED SERICEA LESPEDEZA		38	38
UNHULLED SERICEA LESPEDEZA	38		
RESEEDING CRIMSON CLOVER			29
		MIXED	

2. FERTILIZER

APPLY 4000 LBS. AGRICULTURAL LIMESTONE PER ACRE. APPLY 1000 LBS. OF FERTILIZER PER ACRE FOR GRASS SEEDING OR AS RECOMMENDED BY MANUFACTURER LIME AND FERTILIZER ARE TO BE DISKED INTO THE SOIL SURFACE TO A MINIMUM DEPTH OF 4 INCHES. 

MANUFACTURED FER	TILIZER		
TYPE	NITROGEN (N)	PHOSPHORUS (P2O5)	POTASH (K2
15-0-15	15	0	1
13-13-13	13	13	1
10-10-10	10	10	1
8-8-8	8	8	8
0-14-14	0	14	
4-12-12	4	12	
4-16-8	4	16	8
SUPER PHOSPHATE	0	18	(
AMMONIUM NITRATE	33.5	0	
AMMONIUM SULPHAT	E 20.5	0	(
SODIUM NITRATE	16	0	(
POTASSIUM CHLORID	E 0	0	(

3. GENERAL NOTES AND MAINTENANCE

AFTER SEEDING. THE AREA IS TO BE ROLLED OR CULTIPACKED TO INSURE THAT THE SEED IS PRESSED INTO CONTACT WITH SOIL SURFACE. ALL SEEDED AREAS ARE TO BE MULCHED WITH STRAW MULCH AT THE RATE OF 4000 LBS. PER ACRE. (APPROX. 100 BALES PER ACRE.) APPLY ASPHALT EMULSION TO THE STRAW MULCH AT THE RATE OF 150 GALLONS PER ACRE.

THE ABOVE DESCRIBED SEEDING RECOMMENDATIONS AND RATES HAVE BEEN PREPARED FOR SELECTION OF A VEGETABLE COVER SUITABLE FOR SOIL EROSION CONTROL IN PLANTING ZONE 1 AS DEFINED BY THE ALDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2012 EDITION. THE CONTRACTOR SHALL VERIFY THE PLANTING ZONE THE PROJECT IS LOCATED WITHIN AND ALERT THE PROJECT ENGINEER OF ANY DISCREPANCIES. MAINTENANCE

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

## SEEDING AND GRASSING NOTES

SCOPE OF WORK GENERAL REQUIREMENTS : PROVIDE SEEDBED PREPARATION, NEWLY GRADED FINISH EARTH SURFACES, UNLESS INDICATED CONSTRUCTION THAT ARE DISTURBED BY THE CONTRACTOR'S FOR HIGHWAY CONSTRUCTION, 2012 EDITION OR MOST CURR APPLICABLE.

MATERIALS <u>FERTILIZER AND LIME</u> : DELIVER MATERIALS TO THE SITE IN ORI MANUFACTURER'S CHEMICAL ANALYSIS, NAME, TRADE NAME, AND FEDERAL LAWS. FERTILIZER : COMMERCIAL GRADE, FREE FLOWING, SLOW-RELE

#### 3. SEEDING

4. RESTORATION, ESTABLISHMENT, AND FINAL INSP RESTORATION : RESTORE TO ORIGINAL CONDITION EXISTING I OPERATIONS. KEEP AT LEAST ONE PAVED PEDESTRIAN ACCESS BUILDING CLEAN AT ALL TIMES. CLEAN OTHER PAVING WHEN W

#### **TEMPORARY SEEDING SPECIFICA** REFERENCE: ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CC CURRENT, SECTION 665, SECTION 860, AND OTHERS AS APPLICABLI

ANNUAL RYE GRASS 25 LBS. PER ACRE KENTUCKY 31 FESCUE 30 LBS. PER ACRE 10 LBS PER ACRE RESEEDING CRIMSON CLOVER JANUARY - APRIL 15 **KENTUCKY 31 FESCUE** 30 LBS. PER ACRE 30 LBS. PER ACRE RESEEDING CRIMSON CLOVER 15 LBS. PER ACRE ANNUAL RYEGRASS APRIL 16 - AUGUST BROWN TOP MILLET 30 LBS. PER ACRE KENTUCKY 31 FESCUE 30 LBS. PER ACRE HULLED BERMUDA GRASS 10 LBS. PER ACRE AFTER SEEDING. THE AREA IS TO BE ROLLED OR CULTIPACKED TO

CONTACT WITH SOIL SURFACE. ALL SEEDED AREAS ARE TO BE MUL OF 4000 LBS. PER ACRE. (APPROX. 100 BALES PER ACRE.) APPLY ASF AT THE RATE OF 150 GALLONS PER ACRE.

WRAPPED WITH FILTER FABRIC AT THEIR INTERFACE WITH BACK FILL TO AID GROUNDWATER FLOW TO THE WEEP

DITION OR MOST CURRENT, SECTION 650,

16-DEC. 31

EDING AND GRASSING NOTES		
<u>GENERAL REQUIREMENTS</u> : PROVIDE SEEDBED PREPARATION, TOPSOILING, LIMING, FERTILIZING, SEEDING AND MULCHING OF ALL NEWLY GRADED FINISH EARTH SURFACES, UNLESS INDICATED OTHERWISE, AND AT ALL AREAS INSIDE OR OUTSIDE THE LIMITS OF CONSTRUCTION THAT ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS. REFERENCE ALDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2012 EDITION OR MOST CURRENT, SECTION 650, SECTION 652, SECTION 860, AND OTHERS AS APPLICABLE.		
MATERIALS <u>FERTILIZER AND LIME</u> : DELIVER MATERIALS TO THE SITE IN ORIGINAL, UNOPENED CONTAINERS BEARING THE MANUFACTURER'S CHEMICAL ANALYSIS, NAME, TRADE NAME, TRADEMARK, AND INDICATION OF CONFORMANCE TO STATE AND FEDERAL LAWS.		)
<u>FERTILIZER</u> : COMMERCIAL GRADE, FREE FLOWING, SLOW-RELEASE, UNIFORM IN COMPOSITION GRANULAR FERTILIZER SHALL CONTAIN A MINIMUM PERCENTAGE BY WEIGHT OF 17 PERCENT NITROGEN, 17 PERCENT AVAILABLE PHOSPHORIC ACID, AND 17 PERCENT POTASH. APPLY FERTILIZER AT THE RATE OF 500 POUNDS PER ACRE. <u>LIME</u> : LIME SHALL BE COMMERCIAL AGRICULTURAL LIMESTONE CONTAINING A MINIMUM OF 94 PERCENT OF TOTAL CARBONATES, 80 PERCENT CALCIUM, AND 14 PERCENT MAGNESIUM. AGRICULTURAL LIMESTONE SHALL BE INCORPORATED		
INTO THE SOIL AT THE RATE OF 2000 POUNDS PER ACRE. <u>SEED</u> : DELIVER SEED TO THE SITE IN ORIGINAL SEALED PACKAGES BEARING THE PRODUCER'S GUARANTEED ANALYSIS FOR PERCENTAGES OF MIXTURE, PURITY, GERMINATION, WEEDSEED CONTENT, AND INERT MATERIAL. LABEL IN CONFORMANCE WITH USDA FEDERAL SEED ACT AND APPLICABLE STATE SEED LAWS. WET MOLDY, OR OTHERWISE DAMAGED SEED WILL BE DELICITED SEED SHALL DE STATE CERTIFIED SEED AND OF THE LATEST SEASON'S CROP.	orth	
MULCH : FREE FROM NOXIOUS WEEDS, MOLD, OR OTHER DELETERIOUS MATERIAL. PROVIDE WOOD CELLULOSE FIBER MULCH WHEN HYDROSEEDING.	n Street No L 35801	<b>1431</b> RK.COM
CONSISTENCY FOR PLACING WITH COMMERCIAL MULCH BLOWING EQUIPMENT OR BY HAND. <u>WOOD CELLULOSE FIBER</u> : PROCESSED TO CONTAIN NO GROWTH OR GERMINATION - INHIBITING FACTORS AND DYED AN APPROPRIATE COLOR TO FACILITATE VISUAL METERING OF MATERIAL'S APPLICATION. COMPOSITION ON AIR-DRY WEIGHT BASIS: 9-15 PERCENT MOISTURE, pH RANGE FROM 3.5 TO 5.0.	7 Jeffersol Intsville, A	<b>256.539.3</b> исиет w о
EMULSIFIED ASPHALT ADHESIVE : SUITABLE QUALITY FOR IRRIGATION. WATER : SUITABLE QUALITY FOR IRRIGATION. SEEDING	도 국	Ηΰ
STORAGE AND HANDLING : STORE LIME, FERTILIZER, AND SEED IN DRY LOCATIONS AWAY FROM CONTAMINANTS. PROTECT SEED FROM DRYING OUT. DO NOT DROP OR DUMP MATERIALS FROM VEHICLES. SOIL PREPARATION: AT THE COMPLETION OF ROUGH GRADING, SPREAD TOPSOIL OVER AREAS TO BE SEEDED OR AS <u>SOIL</u> PREPARATION INDICATED, TO A MINIMUM THICKNESS OF 2 INCHES. TOPSOIL SHALL BE IN THE MATERIAL STRIPPED FROM THE SITE		
DURING THE GRADING OPERATIONS. DO NOT SPREAD TOPSOIL WHEN FROZEN OR EXCESSIVELY WET OR DRY. AREAS NOT RECEIVING TOPSOIL SHALL BE LOOSENED TO A MINIMUM DEPTH OF 4 INCHES BEFORE AGRICULTURAL LIME, FERTILIZER OR SEED IS APPLIED. LAWN AREAS SHALL BE FINE GRADED TO A SMOOTH, POSITIVELY DRAINING SLOPE, REMOVING ALL STONES OVER ONE INCH. SEEDING : SEED SHALL BE SOWN WITHIN 24 HOURS FOLLOWING THE APPLICATION OF FERTILIZER AND LIME, AND PREPARATION		
CONDITION FOR SEEDING. IF SPECIAL CONDITIONS EXIST THAT MAY WARRANT A VARIANCE IN THE ABOVE SEEDING DATES OR CONDITIONS, SUBMIT A WRITTEN REQUEST TO THE ENGINEER STATING THE SPECIAL CONDITIONS AND PROPOSED VARIANCE. SOW SEED WITH APPROVED SOWING EQUIPMENT USING ONE OR A COMBINATION OF THE FOLLOWING METHODS. SOW 1/2 THE SEED IN ONE DIRECTION AND SOW THE REMAINDER AT RIGHT ANGLES TO THE FIRST SOWING. FOR DRILL, BROADCAST, AND	DATE 11.14.24	BB/TEP CAS
DROP SEEDING, INCORPORATE FERTILIZER AND LIME INTO THE SOIL TO A MINIMUM DEPTH OF 6 INCHES PRIOR TO SEEDING. FOR HYDROSEEDING, APPLY LIQUID FERTILIZER IN AMOUNTS SUFFICIENT TO PROMOTE THE SPECIFIED STAND OF TURF AND APPLY LIME MANUALLY DURING SUBGRADE PREPARATION.	ISSUE SUBMITTAL	DRAWN BY: ECKED BY:
INCH IN CLAYED SOILS AND 1/2 INCH IN SANDY SOILS. COVER SEED BY SPIKETOOTH HARROW, CULTIPACKER, OR OTHER APPROVED DEVICES. BROADCAST SEEDING AND DROP SEEDING : USE BROADCAST OR DROP SEEDERS. COVER SEED UNIFORMLY TO A MAXIMUM DEPTH OF 1/4 INCH IN CLAYEY SOILS AND 1/2 INCH IN SANDY SOILS. COVER SEED BY SPIKE TOOTH HARROW, RAKING, OR	DCM FINAL	E E E E E E E E E E E E E E E E E E E
OTHER APPROVED DEVICES. IMMEDIATELY AFTER SEEDING, FIRM ENTIRE AREA, EXCEPT FOR SLOPES IN EXCESS OF 3 TO 1, WITH A ROLLER NOT EXCEEDING 90 POUNDS FOR EACH FOOT OF ROLLER WIDTH. <u>HYDROSEEDING</u> : MIX SEED, FERTILIZER, AND WOOD CELLULOSE FIBER IN REQUIRED AMOUNT OF WATER TO PRODUCE A HOMOGENEOUS SLURRY. AFTER SEED, WATER, AND FERTILIZER HAVE BEEN THOROUGHLY MIXED, ADD 200 POUNDS OF WOOD CELLUL OSE FIBER PER ACRE (DRY WEIGHT) AND APPLY THE SLURRY. SEED SHALL NOT REMAIN IN WATER CONTAINING		
FERTILIZER FOR MORE THAN ONE HOUR PRIOR TO APPLICATION, UNLESS OTHERWISE APPROVED. KEEP LIQUID FERTILIZER AGITATED DURING APPLICATION. IMMEDIATELY FOLLOWING APPLICATION OF SLURRY MIX, MAKE SEPARATE APPLICATION OF WOOD CELLULOSE MULCH AT THE RATE OF 800 POUNDS (DRY WEIGHT) PER ACRE. WHEN HYDRAULICALLY SPRAYED ON THE GROUND, MATERIAL SHALL FORM A BLOTTERLIKE COVER IMPREGNATED UNIFORMLY WITH GRASS SEED. COVER SHALL ALLOW RAINFALL OF APPLIED WATER TO PERCOLATE TO UNDERLYING SOIL. TOTAL APPLICATION SHOULD EQUAL 2 TONS/ACRE MULCH.		
<u>MULCH</u> : EXCEPT WHEN HYDROSEEDING, SPREAD STRAW MULCH EVENLY AT THE RATE OF 2 TONS PER ACRE. ANCHOR BY CRIMPING MULCH WITH A SERRATED DISC OR BY SPRAYING ASPHALT EMULSION ON THE MULCHED SURFACE AT THE RATE OF 5 GALLONS PER 1000 SQUARE FEET. TAKE PRECAUTIONARY MEASURES TO PREVENT ASPHALT MATERIALS FROM MARKING OR DEFACING STRUCTURES, PAVEMENTS, UTILITIES, OR PLANTINGS AND DO NOT USE ASPHALT NEAR PEDESTRIAN TRAFFIC		
AREAS. <u>PROTECTION OF SEEDED AREAS</u> : IMMEDIATELY AFTER SEEDING, PROTECT THE AREA AGAINST TRAFFIC OR OTHER USE BY ERECTING BARRICADES, AS REQUIRED, AND PLACING APPROVED SIGNS AT APPROPRIATE INTERVALS UNTIL FINAL ACCEPTANCE.		
RESTORATION, ESTABLISHMENT, AND FINAL INSPECTION <u>RESTORATION</u> : RESTORE TO ORIGINAL CONDITION EXISTING LAWN AREAS WHICH WERE DAMAGED DURING GRASSING OPERATIONS. KEEP AT LEAST ONE PAVED PEDESTRIAN ACCESS ROUTE AND ONE PAVED VEHICULAR ACCESS ROUTE TO EACH BUILDING CLEAN AT ALL TIMES. CLEAN OTHER PAVING WHEN WORK IN ADJACENT AREAS IS COMPLETE.		
ESTABLISHMENT PERIOD : THE ESTABLISHMENT PERIOD WILL BE IN EFFECT UNTIL THE SEEDED AND SODDED AREAS ARE MOWED THREE TIMES. DURING THE ESTABLISHMENT PERIOD, THE CONTRACTOR SHALL MOW THE SEEDED AND SODDED AREAS TO AN AVERAGE HEIGHT OF 2 INCHES WHENEVER THE AVERAGE HEIGHT OF GRASS REACHES 4 INCHES. THE CONTRACTOR SHALL REMOVE EXCESS CLIPPINGS, ERADICATE WEEDS, WATER, FERTILIZE, OVERSEED, AND PERFORM OTHER OPERATIONS NECESSARY TO PROMOTE GROWTH.		
<u>FINAL INSPECTION AND ACCEPTANCE</u> : AT THE END OF THE ESTABLISHMENT PERIOD, FINAL INSPECTION WILL BE MADE UPON WRITTEN REQUEST AT LEAST 10 DAYS PRIOR TO THE ANTICIPATED DATE. FINAL ACCEPTANCE WILL BE BASED UPON A SATISFACTORY STAND OF GRASS, DEFINED AS 95 PERCENT GROUND COVER OF THE SPECIFIED SPECIES. THE CONTRACTOR WILL REPAIR ANY BARE SPOTS OVER 2 INCHES SQUARE DUE TO UNEVEN SEED DISTRIBUTION.		
<u>RESEEDING AND REPAIR</u> : ANY AREAS THAT REQUIRE RESEEDING AND/OR REFERTILIZATION WILL BE DESIGNATED BY THE OWNER/ENGINEER. ANY DAMAGE FOLLOWING SEEDING OR IF SEEDINGS ARE DESTROYED, THE PORTION AFFECTED SHALL BE REPAIRED TO RE-ESTABLISHMENT CONDITION AND GRADE OF THE SOIL PRIOR TO ORIGINAL SEEDING, AND THEN RESEEDED FOLLOWING THE ABOVE SPECIFICATIONS		
MPORARY SEEDING SPECIFICATION		
RENCE: ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2012 EDITION OR MOST ENT, SECTION 665, SECTION 860, AND OTHERS AS APPLICABLE. EMBER - DECEMBER		
AL RYE GRASS 25 LBS. PER ACRE JCKY 31 FESCUE 30 LBS. PER ACRE EDING CRIMSON CLOVER 10 LBS PER ACRE	GYM	
EDING CRIMSON CLOVER 30 LBS. PER ACRE AL RYEGRASS 15 LBS. PER ACRE . <u>16 - AUGUST</u> /N TOP MILLET 30 LBS. PER ACRE		
JCKY 31 FESCUE 30 LBS. PER ACRE ED BERMUDA GRASS 10 LBS. PER ACRE R SEEDING, THE AREA IS TO BE ROLLED OR CULTIPACKED TO INSURE THAT THE SEED IS PRESSED INTO ACT WITH SOIL SURFACE. ALL SEEDED AREAS ARE TO BE MULCHED WITH STRAW MULCH AT THE RATE	OMPE	
UD LBS. PER ACRE. (APPROX. 100 BALES PER ACRE.) APPLY ASPHALT EMULSION TO THE STRAW MULCH E RATE OF 150 GALLONS PER ACRE.	AYNE C ET NE AL 35967	0037
	ORT P/ 1 45th STRE IRT PAYNE,	HUN24
	E 8 E	
	A B A A A A A A A A A A A A A A A A A A	PROFESSIONAL FUGINEES STOCK
	A REAL PROPERTY OF THE PROPERT	CONTRACT IN
	TES	<b>~</b>
		O O

![](_page_12_Figure_0.jpeg)

	LEGEND
	ASPHALT TO BE REMOVED
	SIDEWALK TO BE REMOVED
(/////)	STORM LINES TO BE REMOVED
	CURB & GUTTER TO BE REMOVED
$\oslash$	STORM OR UTILITY STRUCTURE TO BE REMOVED
<b>—</b> ss <b>—</b>	SANITARY SEWER LINES TO BE REMOVED

![](_page_13_Figure_0.jpeg)

![](_page_14_Figure_0.jpeg)

![](_page_14_Figure_2.jpeg)

![](_page_14_Figure_3.jpeg)

![](_page_15_Figure_0.jpeg)

<u>LE</u>	GEND
— w —	DOMESTIC WATER LINE (SIZE AND TYPE AS NOTED)
ss	SANITARY SEWER LINE (SIZE AND TYPE AS NOTED)
FIRE	FIRE WATER LINE (SIZE AND TYPE AS NOTED)

![](_page_16_Figure_0.jpeg)

	<u>LEGEND</u>
<ol> <li>EXISTING WATER MAIN TO BE PROTECTED AND PRESERVED THROUGHOUT CONSTRUCTION.</li> <li>FORT PAYNE WATER DEPARTMENT TO BE PRESENT ONSITE PRIOR TO EXCAVATION NEAR THE LINE.</li> </ol>	W DOMESTIC WATER L AND TYPE AS NOTE
	SANITARY SEWER L
	FIREFIRE WATER LINE (S TYPE AS NOTED)

![](_page_17_Figure_0.jpeg)

![](_page_17_Figure_1.jpeg)

![](_page_17_Figure_2.jpeg)

SANITARY SEWER PROFILE

q

![](_page_17_Figure_7.jpeg)

![](_page_18_Figure_0.jpeg)

<u>LEGEND</u>				
	STORM PIPE (SIZE AND AS NOTED)			
	GRATE INLET			
	SINGLE WING INLET			

![](_page_19_Figure_0.jpeg)

![](_page_19_Figure_3.jpeg)

![](_page_19_Figure_4.jpeg)

![](_page_19_Figure_5.jpeg)

![](_page_19_Figure_6.jpeg)

![](_page_19_Figure_7.jpeg)

![](_page_19_Figure_8.jpeg)

![](_page_19_Figure_12.jpeg)

![](_page_20_Figure_0.jpeg)

![](_page_21_Figure_0.jpeg)

![](_page_21_Figure_1.jpeg)

FLOW DRAIN GRATE — LESS THAN 5% SLOPE OVERLAPPING FABRIC TO NEXT STAKE 18" MAX (0.5M) 36" MAX (1M) 12" MIN (300MM

10

![](_page_21_Figure_8.jpeg)

	1	1	2	I	3	1
5.4						
1/1						
L						
_						
К						
_						
J						
_						
н						
_						
G						
0						
_						
F						
_						
E						
_						
U						
С						
-						
tails.dwg						
2-901 Det						
15148\C						
AcPublish						
al\Temp\						
Data\Loc						
³trick\App 2:10pm						
Users\tp: 2024 - 1.						
LE: C:\ ov 14,						

![](_page_22_Figure_1.jpeg)

![](_page_22_Figure_3.jpeg)

![](_page_23_Figure_0.jpeg)

![](_page_23_Figure_2.jpeg)

![](_page_24_Figure_0.jpeg)

![](_page_24_Figure_3.jpeg)

![](_page_25_Figure_0.jpeg)

![](_page_25_Figure_1.jpeg)

![](_page_25_Figure_4.jpeg)

![](_page_26_Figure_0.jpeg)

(5,349 sf) CYN TI3 —

(930) LIR CRE — (1) CAR AME (12) ABE PRO —

APPROX. SIZE AND – LOCATION OF MONUMENT SIGN; SEE ARCH AND CIVIL DRAWINGS

LIGHT POLE; SEE – ELECTRICAL DRAWINGS

![](_page_26_Picture_10.jpeg)

![](_page_27_Figure_0.jpeg)

PLANT	SCHEDU	ILE		_		_	_
CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL. / HT.	ROOTBALL		REMARKS
TREES							
BET NIG	6	BETULA NIGRA	RIVER BIRCH MULTI-TRUNK	2.0" CAL.	B&B		
CAR AME	3	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	2.0" CAL.	B&B		
NYS SYL	2	NYSSA SYLVATICA	TUPELO	2.0" CAL.	B&B		
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HT.	SPACING	REMARKS
SHRUBS							
ABE KAL	42	ABELIA X GRANDIFLORA 'KALEIDOSCOPE'	KALEIDOSCOPE GLOSSY ABELIA	3 GAL		48" o.c.	
ILE SHA	11	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	3 GAL		48" o.c.	
ILE EAS	1	ILEX X ATTENUATA 'EAST PALATKA'	EAST PALATKA HOLLY	B&B	12-14 FT.	120" o.c.	
THU SMA	4	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	B&B	12-14 FT.	96" o.c.	
CODE	QTY	BOTANICAL NAME	COMMON NAME	TYPE		SPACING	REMARKS
GROUND C	OVERS						
ABE PRO	50	ABELIA X GRANDIFLORA 'PROSTRATA'	PROSTRATE GLOSSY ABELIA	1 GAL		42" o.c.	
JUN HOR	13	JUNIPERUS HORIZONTALIS	CREEPING JUNIPER	1 GAL		72" o.c.	
LIR CRE	9,116	LIRIOPE SPICATA	CREEPING LILYTURF	4" POT		12" o.c.	
SOD/SEED							
CYN DAC	27,635 SF	CYNODON DACTYLON	BERMUDAGRASS	HYDROSEED			
CYN TI3	23,747 SF	CYNODON DACTYLON 'TIF 419'	TIF 419 BERMUDAGRASS	SOD			

DRAGGING TEETH OF BUCKET - SUBGRADE / EXISTING SOILS: CONFIRM EXISTING SOILS PASS PERCOLATION TEST

– LOOSEN SUBGRADE &

SCARIFY INTERFACE

BETWEEN SOILS BY

# **5 GROUNDCOVER & PERENNIAL PLANTING**

→ 1/2 O.C. SPACING

- ON-CENTER (O.C.) SPACING, VARIES BY PLANT TYPE, REFER TO PLANT SCHEDULE

### — PLANTING SOIL MIX. - ROOT BALL RESTING ON EXISTING OR RECOMPACTED SUBGRADE.

- SLOPED & SCARIFIED SIDES OF PLANT

CIRCUMFERENCE. — MULCH, REFER TO NOTES FOR TYPE/DEPTH. DO NOT PLACE AGAINST BASE OF TREE.

- SOIL BERM BEGINNING @ EDGE OF ROOTBALL, 4 IN HIGH FOR FULL

- ROOT FLARE TO BE 2-3 IN ABOVE FINISHED GRADE.

HAVE MULCH RING, 8 FT DIA.

INTO SOIL. TREES POSITIONED IN LAWNS TO

REMOVE BURLAP AND STRAPS FROM TOP 1/3 OF ROOT BALL. REMOVE OR

1. REMOVE ALL NON-BIODEGRADABLE ROOT BALL PACKAGING. BEND TOP 1/3 OF WIRE BASKET DOWN

![](_page_27_Figure_19.jpeg)

ADJ.

CONDITION VARIES PLAN VIEW - TYPICAL CONDITIONS N.T.S.

→ 3X DIA. OF ROOT BALL →

![](_page_27_Figure_21.jpeg)

![](_page_27_Figure_22.jpeg)

![](_page_27_Figure_23.jpeg)

![](_page_27_Figure_24.jpeg)

I	10	1	11

## NOTES:

- 1. REMOVE ALL NON-BIODEGRADABLE ROOT BALL PACKAGING. 2. REMOVE BURLAP AND STRAPS FROM TOP 1/3 OF ROOT BALL. REMOVE OR BEND TOP 1/3 OF WIRE BASKET DOWN
- INTO SOIL. TREES POSITIONED IN LAWNS TO HAVE MULCH RING, 8 FT DIA.
- ROOT FLARE TO BE AT OR SLIGHTLY ABOVE ADJ FINISHED GRADE. - SOIL BERM BEGINNING @ EDGE OF ROOTBALL, 4 IN HIGH FOR FULL
- CIRCUMFERENCE. — MULCH, REFER TO NOTES FOR TYPE/DEPTH. DO NOT PLACE
- AGAINST BASE OF TREE. - SLOPED & SCARIFIED SIDES OF PLANT
- PIT. — PLANTING SOIL MIX.
- ROOT BALL RESTING ON EXISTING OR RECOMPACTED

SUBGRADE.

# **3 TREE PLANTING ON SLOPE** 3/8" = 1'-0"

 LONG EDGE OF SOD AGAINST BED-LINES, PAVEMENTS, AND VERTICAL STRUCTURES
STAGGER JOINTS.
LONG EDGE OF SOD RUNNING PERPENDICULAR TO SLOPE, LA BEGINNING AT LOWEST ELEVA

#### LONG EDGE OF SOD RUNNING PERPENDICULAR TO SLOPE, LAID BEGINNING AT LOWEST ELEVATION.

- NO GAPS B/W EDGES OF SOD.

- SOD PLANTING SOIL.

#### - LOOSEN SUBGRADE & SCARIFY INTERFACE BETWEEN SOILS BY DRAGGING TEETH OF BUCKET.

- SUBGRADE/EXISTING SOILS.

## - LOOSEN SUBGRADE & SCARIFY INTERFACE BETWEEN SOILS BY DRAGGING TEETH OF BUCKET

- SUBGRADE / EXISTING SOILS: CONFIRM EXISTING SOILS PASS PERCOLATION TEST

- GENERAL LANDSCAPE NOTES
- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS & RELAT EXISTING CONDITIONS, UTILITIES, STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION. 2. CONTRACTOR'S BASE BID TO INCLUDE ALL MATERIALS, LABOR, PERMITS, EQUIPMENT, TOOLS, INSURANCE, ETC. TO P THE WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS.
- 3. PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE LAWS, CODES, & REGULATIONS REQUIRED BY AUTHORIT HAVING JURISDICTION OVER SUCH WORK & PROVIDE PERMITS REQUIRED BY LOCAL AUTHORITIES.
- 4. CONTRACTOR TO COMPLETE ALL WORK WITHIN SCHEDULE ESTABLISHED BY OWNER. 5. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL WORK DISTURBED BY CONSTRUCTION TO A CONDITION BETTER EQUAL TO THE CONDITIONS THAT EXISTED PRIOR TO THE BEGINNING OF CONSTRUCTION AT NO ADDITIONAL CO OWNER.
- 6. SEE CIVIL DRAWINGS FOR INFORMATION REGARDING EROSION/SEDIMENT CONTROL, LOCATION OF EXISTING & PRC STRUCTURES, PAVING, DRIVEWAYS, CUT & FILL AREAS, LIMITS OF CONSTRUCTION, EXISTING & PROPOSED UTILITIES ( EASEMENTS.

# PLANT INSTALLATION NOTES

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL RELATED EXISTING CONDITIONS STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION.
- 2. REMOVE FROM SITE ANY & ALL EXISTING VEGETATION INCLUDING STUMPS & ROOTS IN CONFLICT WITH PLANTING UNLESS EXPLICITLY DESIGNATED FOR PROTECTION.
- 3. SEE SPECIFICATIONS & DETAILS FOR PLANTING METHODS, REQUIREMENTS, SOIL TESTING, MATERIALS, EXECUTION, PROTECTION.
- 4. PLANT NAMES MAY BE ABBREVIATED ON DRAWINGS. REFER TO PLANT SCHEDULE FOR ABBREVIATIONS, BOTANICAL COMMON NAMES, SIZES, ESTIMATED QUANTITIES AND OTHER REMARKS.
- 5. CONTRACTOR SHALL VERIFY THE TOTAL QUANTITIES INDICATED IN THE PLANT LIST WITH THE QUANTITIES SHOW PLAN. CONTRACTOR SHALL PROVIDE QUANTITIES REQUIRED TO COMPLETE PROPOSED PLANTING AS INDICATED PLAN.
- 6. ALL PLANTING BEDS AND TREES SHALL BE MULCHED WITH 3-4 IN. OF SETTLED PINE STRAW THAT IS FREE FROM DEE TWIGS, INSECTS, GRASSES, WEEDS, PLANTS AND THEIR SEEDS, AND ANY SUBSTANCE HARMFUL TO PLANT GROWT STRAW MULCH SHALL BE TUCKED & ROLLED AT ALL EDGES. A. TREES PLACED IN SODDED/TURFGRASS AREAS SHALL BE MULCHED WITH AN 8 FT. DIAMETER MULCH RING UNLI OTHERWISE NOTED ON PLANS.
- 7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL WORK DISTURBED BY CONSTRUCTION TO A CONDITION BETT EQUAL TO THE CONDITIONS THAT EXISTED PRIOR TO THE BEGINNING OF CONSTRUCTION AT NO ADDITIONAL C OWNER.

# **PLANTING SOIL & PREPARATION NOTES**

- 1. CONTRACTOR SHALL CONDUCT & SUBMIT TO THE LANDSCAPE ARCHITECT AN ANALYSIS OF A MINIMUM OF (3) SAN EXISTING SOIL FROM AREAS TO BE PLANTED. THE ANALYSIS SHALL BE DONE BY A SOIL TESTING LAB APPROVED BY LANDSCAPE ARCHITECT IN ADVANCE (AUBURN UNIVERSITY SOIL, FORAGE & WATER TESTING LABORATORY, ALFA B 961 S. DONAHUE DRIVE, AUBURN UNIVERSITY, AL 36849-5411, PH:(334) 844-3958) AND SHALL INCLUDE THE FOLLOWING WITH RECOMMENDATIONS:
- A. S1A ORGANIC MATTER, AVAILABLE PHOSPHORUS, EXCHANGEABLE POTASSIUM, MAGNESIUM, CALCIUM, SOIL pH EXCHANGE CAPACITY, PERCENT BASE SATURATION OF CATION ELEMENTS. B. S3 - SULFUR, ZINC, MANGANESE, IRON, COPPER, BORON C. TEXTURE ANALYSIS
- 2. TOPSOIL (& PLANTING SOIL WHEN DIFFERENT) SHALL BE PROVIDED MIXED AND READY FOR INSTALLATION. TOPSOIL MEET THE FOLLOWING CRITERIA & STRIPPED/STOCKPILED TOPSOIL MAY BE USED IF IT CAN REASOANBLY BE BROUGH THESE CRITERIA.
- A. FERTILE, FRIABLE, NATURALLY OCCURRING, FREE OF TRASH, ROCKS/STONES, & DEBRIS LARGER THAN 2 INCHES IN A DIMENSION B. FREE OF ANY GRASSES, WEEDS, SEEDS, PLANTS, & ANY SUBSTANCE HARMFUL TO PLANT GROWTH. C. pH RANGE OF 5.0-7.0
- D. ORGANIC MATTER: 5-10% E. SAND: 50-70%, SILT: LESS THAN 30%, CLAY: 10-25%
- F. PERMEABILITY RATE OF 5X10 (-3) CENTIMETERS OR GREATER AT 85% COMPACTION. 3. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE THE LOCATION OF STOCKPILE AREAS FOR STR TOPSOIL AND PLANTING SOIL PRODUCTS. CONTRACTOR SHALL ENSURE AREA IS PROTECTED FROM CONTAMINATION DISTURBANCE
- 4. FINAL GRADES DEPICTED ON THE GRADING PLAN (REFER TO CIVIL DRAWINGS) ARE TO ACCOUNT FOR PLANTING SO INDICATED IN THE LANDSCAPE DRAWINGS/DETAILS. CONTRACTOR SHALL ENSURE SUBGRADE IS SCARIFIED PRIOR TO INSTALLING PLANTING SOIL.
- 5. FINAL FINISHED GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. CONTRACTOR IS RESPONSIBLE FOR A ADDITIONAL TOPSOIL REQUIRED TO CREATE A SMOOTH CONDITION SUITABLE FOR PLANTING.
- 6. ALL TRASH, DEBRIS LARGER THAN 2 INCHES IN DIAMETER IN ANY DIRECTION, ROCK, COBBLE, EXCAVATION SPOILS, & SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE PRIOR TO THE INSTALLATION OF TOPSOIL/PLANTING SOIL
- 7. COORDINATE INSTALLATION OF TOPSOIL/PLANTING SOIL WITH OTHER WORK. PLACEMENT SHALL OCCUR AFTER INSTALLATION OF HARDSCAPE IMPROVEMENTS, IRRIGATION SYSTEMS, UTILITIES, ETC. AND BEFORE PLANT INSTALLA
- 8. PRIOR TO PLANT INSTALLATION, PLANT BEDS AND PITS SHALL BE TESTED FOR PERCOLATION BY THE CONTRACTOR ADDITIONAL COST TO OWNER. TEST SHALL CONSIST OF 1 FT DIAMETER BY 1 FT DEEP MIN HOLE, OR THE PLANTING P WITH WATER. IF WATER HAS NOT DISSIPATED BY 50% WITHIN 2 HOURS, NOTIFY THE LANDSCAPE ARCHITECT IN WRI TO INSTALLATION. IN HARDPAN CONDITIONS, INSTALL DRAIN PIPES AS PER PLANTING DETAILS.

# WARRANTY & SUBSTANTIAL/FINAL COMPLETION NOTES

- 1. CONTRACTOR TO PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP BEYOND DATE OF SUBSTANTIAL COMF WARRANTY DOES NOT INCLUDE LOSS RESULTING FROM ACTS OF NATURE, VANDALISM, OR OWNER NEGLECT AS DI BY THE LANDSCAPE ARCHITECT.
- 2. CONTRACTOR TO SUBMIT WRITTEN REQUEST MIN 7 DAYS PRIOR TO ANTICIPATED REVIEW DATE FOR SUBSTANTIAL COMPLETION. A. THE LANDSCAPE ARCHITECT SHALL DEVELOP A PUNCH-LIST OF ITEMS TO BE COMPLETED PRIOR TO THE GRANTI SUBSTANTIAL COMPLETION. AFTER COMPLETING THE PUNCH-LIST, THE CONTRACTOR SHALL REQUEST ANOTHE BY THE LANDSCAPE ARCHITECT.
- 3. FINAL COMPLETION SHALL BE GIVEN AT END OF WARRANTY PERIOD IF ALL ITEMS ARE COMPLETED TO THE OWNERS SATISFACTION.
- A. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT AT THE END OF THE WARRANTY I SCHEDULE FINAL INSPECTION. SHOULD THE CONTRACTOR FAIL TO CONTACT THE LANDSCAPE ARCHITECT, THE WARRANTY PERIOD IS AUTOMATICALLY EXTENDED UNTIL HE/SHE DOES SO.

12	13	14		
L CONTRACT DOCUMENTS & RELATED NSTRUCTION.				
GULATIONS REQUIRED BY AUTHORITIES				
WNER. RUCTION TO A CONDITION BETTER THAN OR				
FRUCTION AT NO ADDITIONAL COST TO ROL, LOCATION OF EXISTING & PROPOSED				
N, EXISTING & PROPOSED UTILITIES OR				
ALL RELATED EXISTING CONDITIONS, UTILITIES,				
OOTS IN CONFLICT WITH PLANTING PLAN			T Nort	5
. TESTING, MATERIALS, EXECUTION, AND PLANT LE FOR ABBREVIATIONS. BOTANICAL &			in Stree NL 3580	<b>3431</b> RK.COI
T LIST WITH THE QUANTITIES SHOWN ON THE OPOSED PLANTING AS INDICATED ON THE			leffersc sville, <i>J</i>	<b>56.539.</b> N Е Т W С
INE STRAW THAT IS FREE FROM DEBRIS, LEAVES, NCE HARMFUL TO PLANT GROWTH. PINE			117 <b>.</b> Hunt	T 2 GMC
I 8 FT. DIAMETER MULCH RING UNLESS				
TRUCTION TO A CONDITION BETTER THAN OR STRUCTION AT NO ADDITIONAL COST TO				
ANALYSIS OF A MINIMUM OF (3) SAMPLES OF SOIL TESTING LAB APPROVED BY THE TER TESTING LABORATORY, ALFA BUILDING, ID SHALL INCLUDE THE FOLLOWING RESULTS			DATE 10.18.24	BB BB
IM, MAGNESIUM, CALCIUM, SOIL pH, CATION			SUE MITTAL	NN BY: J
EADY FOR INSTALLATION. TOPSOIL SHALL			INAL SUE	DRA
DEBRIS LARGER THAN 2 INCHES IN ANY			DCM F	
O PLANT GROWTH.				
FION. FION OF STOCKPILE AREAS FOR STRIPPED PROTECTED FROM CONTAMINATION &				
E TO ACCOUNT FOR PLANTING SOIL DEPTHS RE SUBGRADE IS SCARIFIED PRIOR TO				
ONTRACTOR IS RESPONSIBLE FOR ANY OR PLANTING.				
K, COBBLE, EXCAVATION SPOILS, & GRAVEL ATION OF TOPSOIL/PLANTING SOIL. LACEMENT SHALL OCCUR AFTER				
ETC. AND BEFORE PLANT INSTALLATION. RCOLATION BY THE CONTRACTOR AT NO EEP MIN HOLE, OR THE PLANTING PIT, FILLED				
THE LANDSCAPE ARCHITECT IN WRITING PRIOR TING DETAILS.				
OND DATE OF SUBSTANTIAL COMPLETION. DALISM, OR OWNER NEGLECT AS DETERMINED				
D REVIEW DATE FOR SUBSTANTIAL COMPLETED PRIOR TO THE GRANTING OF				
ARE COMPLETED TO THE OWNERS				
T AT THE END OF THE WARRANTY PERIOD TO T THE LANDSCAPE ARCHITECT, THE				
			M A U	
			NOI	
			OMP	
			E C 5967	60
			PAYN TREET N VE, AL 3	2300(
			<b>DRT</b> 1 45th ST RT PAVI	NOH
			9. <b>D</b>	<b>A</b>
			•	
			DULE	
			CHEI D NC	
			NG S(	<b>C</b>
			AILS	
			PLA	sheet

1.0	DESIGN	CRITERIA	

1.1 CODES AND SPECIFICATIONS:

- A. GENERAL BUILDING CODE: INTERNATIONAL BUILDING CODE, 2021 EDITION
- B. CONCRETE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-19)

5

C. PRECAST CONCRETE: PCI DESIGN HANDBOOK, LATEST EDITION PCI MANUAL FOR QUALITY CONTROL FOR PLANTS AND PRODUCTIONS FOR PRECAST CONCRETE PRODUCTS, LATEST EDITION

- D. ARCHITECTURAL PRECAST CONCRETE: PCI MNL-122 ARCHITECTURAL PRECAST CONCRETE, LATEST EDITION
- PCI MANUAL FOR QUALITY CONTROL FOR PLANTS AND PRODUCTION OF ARCHITECTURAL PRECAST CONCRETE PRODUCTS, LATEST EDITION E. STRUCTURAL STEEL:
- SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (ANSI/AISC 360-16)
- F. OPEN WEB STEEL JOISTS: STANDARD SPECIFICATIONS AND LOAD TABLES FOR STEEL JOISTS AND JOIST GIRDERS, STEEL JOIST INSTITUTE, LATEST EDITION
- G. STEEL DECK: STEEL DECK INSTITUTE DESIGN MANUALS FOR COMPOSITE DECKS, NON-COMPOSITE DECKS, AND ROOF DECKS, LATEST EDITIONS
- H. MASONRY SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 602-16) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 402-16) NATIONAL CONCRETE MASONRY ASSOCIATION'S STANDARD PRACTICES AND "SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY", LATEST EDITION
- I. COLD-FORMED STEEL FRAMING: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE (AISI S100-16(2020) W/S2-20) OTHER APPLICABLE AISI STANDARDS, AMERICAN IRON AND STEEL INSTITUTE, LATEST EDITION
- STORM SHELTER SAFE SPACE: ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS (ICC 500-2020)

1.2 DESIGN GRAVITY LOADS (PSF):

- DEAD LOADS ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE GENERAL CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.
- B. FLOOR LIVE LOADS: NON-REDUCIBLE PARTITION LIVE LOAD OF 20 PSF HAS BEEN INCLUDED PER IBC SECTION 1607. LIVE LOAD REDUCTIONS AS DETERMINED BY IBC SECTION 1607.12 HAVE BEEN TAKEN WHERE PERMITTED.

FLOOR (REDUCIBLE)	100
SHELTER FLOOR (UNREDUCIBLE)	100
SHELTER ROOF (UNREDUCIBLE)	100
STORAGE	125
MECHANICAL ROOM	150
MECHANICAL MEZZANINE	150
STAIRS & EXITWAYS	100

C. ROOF LIVE LOADS: WHERE PERMITTED ROOF LIVE LOADS ARE REDUCED FROM THE BASE VALUE SHOWN BELOW IN ACCORDANCE WITH IBC SECTION 1607.14. ROOF-----20

		SHELTER ROOF (UNREDUCIBLE)SHELTER COLLAPSE LOAD (UNREDUCIBLE)755
	D.	ROOF SNOW LOADS: GROUND SNOW LOAD (Pg)10.0 IMPORTANCE FACTOR (I)1.1 EXPOSURE FACTOR (Ce)1.0 THERMAL FACTOR (Ct)1.0
3	DE	SIGN LATERAL LOADS:
	Α.	WIND LOADS: ULTIMATE DESIGN WIND SPEED (3-SECOND GUST)112 MPH NOMINAL WIND SPEED (3-SECOND GUST)90 MPH RISK CATEGORYIII WIND IMPORTANCE FACTOR (I)1.00 WIND EXPOSURE CATEGORYC ENCLOSURE CATEGORYENCLOSED INTERNAL PRESSURE COEFFICIENTS
	Β.	SEISMIC LOADS: OCCUPANCY CATEGORY III SEISMIC IMPORTANCE FACTOR
		SDS0.370 SD10.175 SEISMIC DESIGN CATEGORYO.175 BASIC SEISMIC-FORCE-RESISTING SYSTEM: INTERMEDIATE REINFORCED MASONRY SHEAR WALLS DESIGN BASE SHEAR:
	c.	STORM SHELTER SAFE SPACE WIND LOADS: TYPE OF SHELTERTORNADO SHELTER DESIGN WIND SPEED250 MPH WIND IMPORTANCE FACTOR (I)1.0 WIND EXPOSURE CATEGORYC INTERNAL PRESSURE COEFFICIENTS (GCpi)+/-0.55 TOPOGRAPHIC FACTOR (Kzt)1.0 DIRECTIONALITY FACTOR (Kd)1.0
		HOST BUILDING CONNECTIONS TO SHELTER HAVE BEEN DESIGNED PER INTENT OF ICC 500.
		STORM SHELTER HAS NOT BEEN CONSTRUCTED IN AN AREA SUSCEPTIBLE TO FLOODING PER ICC 500 SECTION 402.1.
		PER ICC 500, SPECIAL INSPECTION AND QUALITY ASSURANCE REQUIREMENTS HAVE BEEN INCLUDED WITHIN THE PROJECT SPECIFICATIONS - REFER TO SPEC. SECTION 01410.
		PER THE REPORT "CONSTRUCTION MATERIALS THRESHOLD TESTING" PREPARED BY THE WIND SCIENCE AND ENGINEERING RESEARCH CENTER AT TEXAS TECH UNIVERSITY THE STORM

GENERAL CONDITIONS

REQUIREMENTS AS STATED IN ICC500.

2.1 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH OTHER DISCIPLINE'S DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT AND STRUCTURAL DESIGN GROUP.

SHELTER ENVELOPE WILL MEET THE STATIC AND CYCLIC PRESSURE AND IMPACT TEST

- 2.2 ALL REPORTS, PLANS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES, AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY STRUCTURAL DESIGN GROUP AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF STRUCTURAL DESIGN GROUP. STRUCTURAL DESIGN GROUP SHALL RETAIN ALL COMMON LAW, STATUTORY, AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.
- 2.3 CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.
- 2.4 WHERE SHOP DRAWINGS, CALCULATIONS, OR SUBMITTALS ARE CALLED FOR IN THE PROJECT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND ARE NOT PROVIDED BY THE CONTRACTOR,

THE CONTRACTOR ASSUMES TOTAL RESPONSIBILITY FOR THE DESIGN AND ASSOCIATED WORK 2.5 ENGINEER'S SHOP DRAWING REVIEW IS LIMITED TO REVIEW FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT REFLECTED IN THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE DRAWINGS, SPECIFICATIONS OR OTHER PROJECT CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED OR IMPLIED FOR THE CORRECTNESS OF DIMENSIONS OR DETAILS. THIS REVIEW DOES NOT AUTHORIZE CHANGES TO THE CONTRACT SUM UNLESS STATED IN A SEPARATE WRITTEN FORM OR CHANGE ORDER. CONTRACTOR SHALL CONFIRM AND CORRELATE ALL QUANTITIES AND DIMENSIONS, SELECT FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATE HIS WORK WITH THAT OF OTHER TRADES, AND PERFORM HIS WORK IN A SAFE AND SATISFACTORY MANNER. CONTRACTOR SHALL ALSO REFER TO THE REQUIREMENTS OF THE GENERAL AND SUPPLEMENTARY GENERAL CONDITIONS. 2.6 ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS,

- UNLESS NOTED. 2.7 VERIFY ALL DIMENSIONS AND DETAILS SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES OR OMISSIONS FOUND SHALL BE REPORTED TO THE ENGINEER AND OTHER DESIGN PROFESSIONALS AS APPROPRIATE FOR RESOLUTION PRIOR TO PROCEEDING WITH ANY RELATED WORK.
- 2.8 THESE DRAWINGS DO NOT INCLUDE PROVISIONS TO SATISFY JOB SITE SAFETY REQUIREMENTS CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING SAFETY DURING CONSTRUCTION AND FOR CONFORMANCE TO ALL APPLICABLE OSHA STANDARDS. JOBSITE VISITS BY ENGINEER SHALL NOT CONSTITUTE APPROVAL, AWARENESS OR LIABILITY FOR ANY HAZARDOUS CONDITIONS.
- 2.9 STRUCTURAL DESIGN GROUP IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, SAFETY PROCEDURES, CONSTRUCTION SUPERVISION OR SITE SAFETY, AND DOES NOT HAVE THE AUTHORITY TO STOP WORK FOR THESE ITEMS. DRAWINGS FURTHER DO NOT PROVIDE ENGINEERING CONTROLS FOR SILICA STANDARD OR ANY OTHER SAFETY STANDARD.
- 2.10 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR BRACING AND SHORING ALL EXCAVATIONS, DEWATERING OF EXCAVATION FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE, TEMPORARY AND EXISTING STRUCTURES, AND PARTIALLY COMPLETED PORTIONS OF THE WORK TO ASSURE THE SAFETY OF ANY PERSON COMING IN CONTACT WITH THE WORK.
- 2.11 THE STRUCTURAL INTEGRITY OF THE BUILDING IS DEPENDENT UPON COMPLETION ACCORDING TO THE PLANS AND SPECIFICATIONS. THE STRUCTURAL ENGINEER OF RECORD ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION. THE METHOD OF CONSTRUCTION AND SEQUENCE OF OPERATIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUPPLY ANY NECESSARY BRACING, GUYS, ETC. TO PROPERLY BRACE THE STRUCTURE AGAINST WIND, DEAD AND LIVE LOADS UNTIL THE BUILDING IS COMPLETED ACCORDING TO THE PLANS AND SPECIFICATIONS. ANY QUESTIONS REGARDING TEMPORARY BRACING REQUIREMENTS SHOULD BE FORWARDED TO A STRUCTURAL ENGINEER FOR REVIEW.

H

G

	GENERAL	<u>NOTES</u>
2.12 2.13	MECHANICAL UNITS AND ANY OTHER EQUIPMENT SUPPORTED BY THE STRUCTURE WITH WEIGHTS IN EXCESS OF 200 LBS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION. WHERE NOTED IN DRAWINGS AND SPECIFICATIONS TO INSTALL PRODUCTS PER THE MANUFACTURER'S RECOMMENDATIONS, IT SHALL BE REQUIRED THAT THE CONTRACTOR FOLLOWS THE MANUFACTURER'S RECOMMENDATIONS.	4.15 CONTRACTION JOINTS IN WALLS: WALL JOINTS FOR 8" WALLS, 20 FEET FOR 10" WALLS AND 3 ADDITIONALLY NOT BE LOCATED WITHIN 4'-0" DISCONTINUE 50% OF THE WALL HORIZONTAL RE THE REINFORCING BARS 2" FROM THE CONTROL EACH SIDE OF THE WALL. SEAL JOINTS WITH CONTRACTION JOINT TYPICAL DETAIL
2.14	THE OWNER SHALL RETAIN THE SERVICES OF INDEPENDENT AGENCIES TO PERFORM THE CONSTRUCTION MATERIAL TESTING AND CODE REQUIRED SPECIAL INSPECTIONS. AS CONSTRUCTION PROGRESSES, FORWARD COPIES OF TESTING AND INSPECTION REPORTS TO THE STRUCTURAL ENGINEER FOR REVIEW. SDG CANNOT ISSUE A CERTIFICATE OF SATISFACTORY COMPLETION WITHOUT REVIEWING THESE REPORTS AND FINAL CERTIFICATES ISSUED BY EACH	<ul> <li>4.16 WALL AND SLAB OPENINGS AND SLEEVES SMALLE SHOWN ON PLANS. CONTRACTOR SHALL SUBMIT SINGLE COORDINATED SLEEVE PLAN FOR REVIEW</li> <li>4.17 CAST IN PLACE ALL SLEEVES AND INSERTS.</li> </ul>
2.15	STRUCTURAL OBSERVATIONS BY SDG ARE VISUAL OBSERVATIONS OF THE IN-PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED STRUCTURAL PORTIONS OF THE CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION AND SHALL NOT BE CONSTRUED AS INSPECTION OR APPROVAL OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING TESTING AND SPECIAL INSPECTIONS PER THE REQUIREMENTS IN THE PROJECT MANUAL AND CONSTRUCTION DOCUMENTS.	<ul> <li>4.18 NO CONDUIT OR PIPE SHALL BE CAST IN THE S OF STRUCTURAL DESIGN GROUP.</li> <li>4.19 GEOFOAM <ul> <li>A. PROVIDE ASTM D6817 TYPE EPS12</li> <li>B. PROVIDE TERMITE RESISTANT EPS</li> <li>C. PROVIDE GRIPPER PLATES BETWEEN LAYERS</li> </ul> </li> </ul>
2.16	OBSERVATION BY THE STRUCTURAL ENGINEER OF RECORD'S OFFICE DOES NOT REPLACE INSPECTIONS AND TESTING BY THE SPECIAL INSPECTOR AND TESTING AGENCY.	D. PROVIDE SHOP DRAWINGS OF BLOCK LAYOUT, APPLICABLE), ETC.
2.17	ANY CLAIMS FOR DELAYS OR DAMAGES SHALL BE SENT TO THE OWNER, ARCHITECT AND STRUCTURAL ENGINEER IN A STANDALONE LETTER TITLED 'DELAY/DAMAGE NOTICE' WITHIN 48 HOURS OF THE CONTRACTOR LEARNING OF THE CLAIM. CLAIMS EMBEDDED IN DAILY REPORTS WILL NOT BE CONSIDERED.	5.0 ARCHITECTURAL AND ST CONCRETE
3.0	FOUNDATIONS	5.1 REFER TO ARCHITECT'S DRAWINGS AND SPECIFI OTHER REQUIREMENTS OF THE ARCHITECTURAL P
3.1	GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL ENGINEERING REPORT BY GOODWYN MILS CAWOOD, LLC, TITLED "FORT PAYNE HIGH SCHOOL GYMNASIUM – 2 <sup>ND</sup> SITE, DATED AUGUST 7, 2024, GMC PROJECT NO. GBHM230050" ALONG WITH ANY SUPPLEMENTAL CORRESPONDENCE. THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT FROM THE OWNER AND FOLLOW ALL REQUIREMENTS AND RECOMMENDATIONS. GEOTECHNICAL RECOMMENDATIONS SHALL TAKE PRECEDENCE OVER THE ITEMS THAT FOLLOW IN THIS SECTION OF THE STRUCTURAL GENERAL NOTES.	<ul> <li>5.2 PRECAST MANUFACTURER IS TO BE RESPONSIBLE AND THEIR CONNECTIONS TO THE STRUCTURE AS TOPPING SLABS FOR GRAVITY AND LATERAL LOA BE SUBMITTED BEARING THE SEAL OF A PROFES WHERE THE PROJECT IS LOCATED.</li> <li>5.3 ANY CONNECTIONS SHOWN ON CONTRACT DRAWING THE CONTRACTOR SHALL COORDINATE ALL PRECA</li> </ul>
3.2 N	MAXIMUM ALLOWABLE BEARING PRESSURE PER GEOTECHNICAL REPORT: 3000 PSF OTE: ALL FOOTING BEARING ELEVATIONS SHALL BE BEARING IN SIMILAR MATERIAL	THE PRECAST MANUFACTURER. A. CONNECTIONS OF THE PRECAST TO THE STRU 1" DOWNWARD MOVEMENT AT ALL BEAMS AND
3.3	(NATIVE SOILS OR WEATHERED BEDROCK), EXTEND FOOTINGS AS NECESSARY WITH LEAN CONCRETE OR FLOWABLE FILL. ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER	5.4 ERECTOR SHALL BE RESPONSIBLE FOR PROVIDIN CONNECTIONS HAVE BEEN MADE AND TOPPING HA
	PRIOR TO PLACING CONCRETE TO ENSURE THEIR COMPLIANCE WITH PRESSURES NOTED. ALL FOOTING ELEVATIONS ARE ESTIMATED AND MAY BE ADJUSTED IN THE FIELD BY THE GEOTECHNICAL ENGINEER.	<ul> <li>5.5 PRECAST MANUFACTURER SHALL PROVIDE STABIL METALS, AS REQUIRED, FOR ALL PRECAST WORK</li> <li>5.6 ALL EXPOSED STEEL CONNECTIONS AND SUPPORT</li> </ul>
3.4	COMPACTED FILL WITHIN THE BUILDING AREA (AND EXTENDING 10'-0" OUTSIDE THE EXTERIOR BUILDING LINE) SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL REPORT.	CONJUNCTION WITH ALL PRECAST CONCRETE SHA FABRICATION AND FIELD TOUCHED UP WITH ZIN
	MATERIAL, SUCH AS SIZE #57 STONE. BACKFILL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT SUBSIDENCE OF SURFACE ADJACENT TO WALL. THE GRANULAR MATERIAL SHALL BE PLACED IN A 45 DEGREE WEDGE EXTENDING FROM THE BASE OF THE FOOTING TO WITHIN 18" OF FINISH GRADE ON EXTERIOR AND TO UNDERSIDE OF SLAB ON INTERIOR. AT EXTERIOR, CAP GRANULAR BACKFILL WITH 18" OF SOIL.	<ul> <li>5.8 SUPPORT DEFLECTION AND/OR ROTATION.</li> <li>5.8 SUPPORTING BEAMS AND STRUCTURE WILL DEFLE AND ERECTOR SHALL COORDINATE CONNECTION/E MOVEMENT AND MAKE FINAL ADJUSTMENTS TO AL ADJUSTING CONNECTIONS OR RECONNECTING.</li> </ul>
3.6	GRANULAR BACKFILL SUPPORTING A FOOTING SHALL BE COMPACTED UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER OR HIS APPROVED REPRESENTATIVE. PROVIDE A 12" THICK CAP OF PROPERLY COMPACTED CRUSHER RUN STONE BETWEEN THE FOOTING AND THE PROPERLY COMPACTED GRANULAR BACKFILL. EXTEND CRUSHER RUN CAP TWO FEET BEYOND THE PERIMETER OF THE FOOTING OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.	6.0 PRECAST CONCRETE HOL 6.1 PRECAST MANUFACTURER IS TO BE RESPONSIBLE AND THEIR CONNECTIONS TO THE STRUCTURE.
3.8	THE REQUIRED 28 DAY COMPRESSIVE STRENGTH. DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL UPPER BRACING FLOORS ARE IN	SUBMITTED BEARING THE SEAL OF A PROFESSIO WHERE THE PROJECT IS LOCATED.
3.9	PLACE FOR AT LEAST SEVEN DAYS AND HAVE ATTAINED 75% OF DESIGN STRENGTH. WHERE CONCRETE WALLS SUPPORT EARTH ON BOTH SIDES, BACKFILL EACH SIDE SIMULTANEOUSLY.	A. PRECAST MANUFACTORER SHALL LIMIT USE T COMPOSITE ACTION IN THE DESIGN OF THE CAMBER IN THE SELF-WEIGHT INSTALLED CO 1. THE REMAINING 2" OF THE TOPPING SLA
3.10	WHERE SPREAD FOOTINGS ARE AT THE SAME ELEVATION AS CONTINUOUS WALL FOOTINGS, REINFORCING STEEL IN CONTINUOUS WALL FOOTINGS SHALL EXTEND THRU SPREAD FOOTINGS. WHERE SPREAD FOOTINGS ARE BELOW CONTINUOUS WALL FOOTINGS, CONTINUOUS WALL FOOTINGS ARE TO STEP DOWN ONTO SPREAD FOOTINGS.	LOAD TO THE PRECAST PANELS. 2. PRECAST MANUFACTURER IS TO PROVIDE CALCULATIONS FOR ALL PRECAST PANELS POSITIVE CAMBER IN THE SELF-WEIGHT I
3.11	SUBGRADE AND GRANULAR FILL SUPPORTING SLABS ON GRADE SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL REPORT AND COMPACTED UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER OR HIS APPROVED REPRESENTATIVE. SEE SPECIFICATIONS FOR VAPOR RETARDER BENEATH SLABS ON GRADE	MAXIMUM. 3. PRECAST MANUFACTURER IS RESPONSIBLE ANY ADDITIONAL REINFORCING STEEL IN CONTROL LONG-TERM CREEP ISSUES WITH
3.12	GRANULAR FILL BENEATH SLABS, UNLESS NOTED OTHERWISE, SHALL BE 4" COMPACTED #57 STONE.	B. PRECAST MANUFACTURER IS TO BE RESPONSI NECESSARY STEPS, SUCH AS THE ROUGHENIN
3.13	A, 15 MIL MINIMUM THICKNESS WITH MANUFACTURER'S RECOMMENDED ADHESIVE OR PRESSURE- SENSITIVE TAPE AND PIPE BOOTS, SUCH AS W.R. MEADOWS INC. PRODUCT PERMINATOR 15. NO EXCAVATION SHALL BE CLOSER THAN AT A SLOPE OF 2:1 (TWO HORIZONTAL TO ONE	PANELS WITH THE STRUCTURAL TOPPING SLA INDICATED ON THE SUBMITTED CALCULATION MANUFACTURER.
4 0	CONCRETE	PRECAST MANUFACTURER IS TO PROVIDE WEE PRECAST PANELS. CONTRACTOR HAS THE OP PRECAST MANUFACTURER'S WRITTEN INSTRUC
4.1 4.2	CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS. CONCRETE STRENGTH AND DURABILITY REQUIREMENTS: MINIMUM CONCRETE COMPRESSIVE	6.2 PRECAST MANUFACTURER SHALL DESIGN HOLLOW LISTED BELOW PLUS SELF-WEIGHT PLUS ALL MA LOADS, OTHER LOADS SHOWN IN THESE DRAWING ACCORDANCE WITH ACI-318 AND PCI DESIGN HA
с. С	STRENGTH AT 28 DAYS (PSI), TYPE OF CONCRETE, MAXIMUM WATER/CEMENTITIOUS RATIO, AIR CONTENT, SLUMP, AND CONCRETE USE:	4" TOPPING SLAB COLLATERAL DEAD LOAD
3 	OOO         NORMAL WT.         0.57          3" TO 5"         FOOTINGS           500         NORMAL WT.         0.50          3" TO 5"         SLABS ON GRADE           500         NORMAL WT.         0.50          3" TO 5"         SLABS ON GRADE           500         NORMAL WT.         0.50          3" TO 5"         SLABS ON METAL DECK	FOR WIND LOADS, SEE GENERAL NOTE 1.3.C TABLES ON S1.4, TYPICAL DETAILS, PLAN
4( 8) A	000 NORMAL WT. 0.45 4-6% 3" TO 5" UNLESS NOTED 000 NORMAL WT. 0.40 4-6% 3" TO 5" CONCRETE RING BEAM . CONCRETE MIX DESIGN SHALL BE WORKABLE WITH LOWEST TOTAL WATER PER CUBIC YARD USING LARGEST PRACTICAL MAXIMUM SIZE OF COURSE AGGREGATE.	6.3 ANY CONNECTIONS SHOWN ON CONTRACT DRAWING THE CONTRACTOR SHALL COORDINATE ALL PRECA
4.3	REINFORCING BARS: ASTM A615 GRADE 60.	THE PRECAST MANUFACTURER. 6.4 REINFORCE 4" TOPPING SLAB WITH 6X6 W1.4/W TOPPING.
	FACTORY-INSTALLED METAL EYELETS, FOR EMBEDDING IN CONCRETE TO PREVENT PASSAGE OF FLUIDS THROUGH JOINTS. FACTORY FABRICATE CORNERS, INTERSECTIONS, AND DIRECTIONAL CHANGES. ACCEPTABLE MANUFACTURER IS THE GREENSTREAK GROUP, INC, 800-325-9504, OR EQUAL. PROFILE SHALL BE FLAT, DUMBBELL WITH CENTER BULB WITH DIMENSIONS OF 6	A. CONDUITS AND PIPING SHALL NOT BE PLACE 6.5 ERECTOR SHALL BE RESPONSIBLE FOR PROVIDIN
А	INCHES BY 3/8 INCH THICK. FLEXIBLE WATERSTOP INSTALLATION: INSTALL IN CONSTRUCTION JOINTS AND AT OTHER JOINTS INDICATED TO FORM A CONTINUOUS DIAPHRAGM INSTALL IN LONGEST LENGTHS	6.6 PRECAST MANUFACTURER SHALL PROVIDE STABIL METALS, AS REQUIRED, FOR ALL PRECAST WORK
4.5	PRACTICABLE. SUPPORT AND PROTECT EXPOSED WATERSTOPS DURING PROGRESS OF THE WORK. REINFORCING STEEL SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT	6.7 ALL EXPOSED STEEL CONNECTIONS AND SUPPORT CONJUNCTION WITH ALL PRECAST CONCRETE SHA FABRICATION AND FIELD TOUCHED UP WITH ZIN
4.6	REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED. REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL OF STANDARD	<ul> <li>6.8 PRECAST CONCRETE HOLLOW CORE SLAB LOCATIO AND SHALL BE VERIFIED BY THE PRECAST MANU</li> <li>6.9 CONTRACTOR IS TO COORDINATE (MECHANICAL.</li> </ul>
	PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS. WHERE CONCRETE IS SAND-BLASTED OR BUSH-HAMMERED, PROVIDE ACCESSORIES OF STAINLESS STEEL.	A. ALL FIELD CUT OPENINGS THROUGH HOLLOW
4.7	DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 315. REINFORCEMENT SHALL NOT BE WELDED, UNLESS NOTED OR APPROVED BY THE ENGINEER.	6.10 ALL OPENINGS IN THE PRECAST PANELS SHALL
4.9	ALL REINFORCING MARKED "CONT." INDICATES REINFORCING SHALL BE "CONTINUOUS" AND SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.	DRAWINGS. EXACT LOCATIONS AND OPENING DI DETAILING NECESSARY FOR THE SUPPORT OF TH INDICATED ON THE SHOP DRAWINGS. ANY ADDI OPENINGS SHALL BE THE RESPONSIBILITY OF T
4.10	PROVIDE CORNER BARS AT ALL CORNERS OF CONTINUOUS REINFORCING IN FOOTINGS, SLABS, OR WALLS. CORNER BARS SHALL BE LONG ENOUGH TO PROVIDE A CLASS "B" LAP SPLICE OF REINFORCING BARS.	6.11 BEARING STRIPS SHALL BE RANDOM ORIENTED F
4.11	CONCRETE COVERAGE OF REINFORCEMENT, UNLESS NOTED: FOOTINGS	
	GRADE BEAMS	<ul> <li>7.0 STRUCTURAL STEEL</li> <li>7.1 FABRICATE AND ERECT ALL STRUCTURAL STEEL FOR THE DESIGN, FABRICATION, AND ERECTION FABRICATOR SHALL BE QUALIFIED BY PARTICIP PROGRAM AND HOLD THE AISC BUILDING FABRIC</li> </ul>
	SLAB FACES NOT EXPOSED TO WEATHER OR EARTH	7.2 THE STEEL FRAME IS "NON-SELF-SUPPORTING". PROVIDED BY THE CONTRACTOR UNTIL REQUIRED
	NOTE: SLAB ON GRADE WWR OR REINFORCEMENT EACH WAY SHALL BE 2" CLEAR FROM TOP OF SLAB. SEE EARTH SUPPORTED SLABS SECTION BELOW.	7.3 STRUCTURAL STEEL: ASTM A992 FOR WIDE FLAN SHAPES AND CHANNELS; ASTM A36 FOR STIFFEN PLATES, BEAM CONNECTION PLATES AND STEEL
4.12	PEDESTAL, COLUMN AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.	<ul><li>7.4 HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A5</li><li>7.5 STRUCTURAL STEEL PIPE: ASTM A53, GRADE B.</li></ul>
4.14	GREATER OF ONE CROSS WIRE SPACING PLUS 2 INCHES OR 6 INCHES. EARTH SUPPORTED SLABS:	7.6 WELDED CONNECTIONS: E70XX ELECTRODES, MIN QUALIFICATION, PROCEDURES AND PERSONNEL S THE STRUCTURAL WELDING CODE - STEEL.
	4" THICK (UNLESS NOTED), REINFORCED WITH 6x6 W2.9/W2.9 WWR FLAT SHEETS SUPPORTED 2" CLEAR OF TOP OF SLAB, UNLESS NOTED. WWR TO BE CHAIRED AT 36 INCHES EACH WAY MINIMUM. SEE FOUNDATION NOTES FOR SUBGRADE REQUIREMENTS.	<ul><li>7.7 THREADED AND PLAIN STEEL RODS: ASTM A36</li><li>7.8 HIGH STRENGTH THREADED RODS: ASTM A193 B7</li></ul>
	PROVIDE CONTROL AND CONSTRUCTION JOINTS AT 3-4 TIMES SLAB THICKNESS IN FEET MAXIMUM OR AS REQUIRED TO PREVENT UNCONTROLLED CRACKING PER ACI RECOMMENDATIONS. AS AN EXAMPLE, FOR A 4" THICK SLAB PROVIDE JOINTS SPACED 12 – 16 FEET MAXIMUM. PANELS TO BE RECTANGULAR WITH LONG SIDE NOT TO EXCEED 1-1/2 TIMES SHORT SIDE. CUTTING SHOULD BE STARTED AS SOON AS CONCRETE HAS HARDENED SUBJECTENTLY TO PROVENT ACCORPORT.	<ul> <li>7.9 ANCHOR RODS: ASTM F1554 GRADE 36 ANCHOR A ANCHOR AND HEAVY HEX NUT WITH SUPPLEMENTA INDICATED.</li> <li>A. IF ANCHOR ROD ASSEMBLIES ARE NOT ENCAS</li> </ul>
	SUFFICIENTLY TO PREVENT AGGREGATE FROM BEING DISLODGE. CONTRACTOR SUBMIT PLAN SHOWING LOCATION OF CONSTRUCTION AND CONTROL JOINTS. FLOOR DESIGN AND CONSTRUCTION BASIS IS ACI 302 AND 360, AND IT IS UNREALISTIC TO EXPECT CRACK-FREE OR CURL-FREE FLOORS. IT IS NORMAL TO EXPECT SOME AMOUNT OF CRACKING AND CURLING IN THE SLAB ON GRADE, AND SUCH OCCURRENCE DOES NOT NECESSARILY REFLECT ADVERSELY ON FITHER THE ADEQUENCY OF THE FLOOP DESIGN OF	ROD ASSEMBLIES ARE TO BE HOT-DIP GALVA 7.10 HEADED STUDS: TYPE B SHEAR STUD CONNECTOR 1020, COLD-FINISHED CARBON, AND COMPLYING 7.11 CONNECTIONS:
	THE QUALITY OF ITS CONSTRUCTION. EARTH SUPPORTED SLABS SHALL BE MOIST CURED FOR A MINIMUM OF SEVEN DAYS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. CURING COMPOUNDS, UNLESS NOTED, SHALL BE A MINIMUM OF CLEAR, WATERBORNE, MEMBRANE-FORMING CURING COMPOUND MEETING ASTM C 309, TYPE 1, CLASS B, SELF-DISSIPATING, CERTIFIED BY CURING	<ul> <li>BEARING TYPE A325-N AND SLIP-CRITICAL (LRFD OR ASD VERSION) "SPECIFICATION F A490 BOLTS". BOLTS THROUGH 4" WIDE BE OTHERWISE, BOLTS SHALL BE 3/4" DIAMETE</li> <li>B. USE SLIP-CRITICAL CONNECTIONS WHERE NO FOR ALL OFFICE DATES OF THE DESCRIPTION OF THE NO</li> </ul>
	COMPOUND MANUFACTURER TO NOT INTERFÉRE WITH BONDING OF FLOOR COVERING. WHERE CONTROL JOINTS TERMINATE INTO NON-PARALLEL CONTROL JOINTS, PROVIDE 2#4 X 6'-0" BARS MID DEPTH OF SLAR PERPENDICULAR TO TERMINAL CONTROL JOINTS	FOR ALL OTHER BOLTED CONNECTIONS. C. BOLTS SHOWN IN SECTIONS AND DETAILS AR BE USED. ACTUAL NUMBER. UNLESS SPECTE
	PROVIDE 2#4 X 6'-0" BARS MID DEPTH OF SLAB PERPENDICULAR TO TERMINAL CONTROL JOINT. PROVIDE 2#4 X 6'-0" BARS MID DEPTH OF SLAB AT REENTRANT CORNERS. WHERE CONTROL JOINTS TERMINATE AT EMBEDDED STEEL ELEMENTS (SUCH AS EDGE REINFORCEMENT AT LOADING DOCKS), PROVIDE JOINT IN STEEL ELEMENT.	<ul> <li>D. ALL STRUCTURAL STEEL CONNECTIONS NOT S SHALL BE DESIGNED TO RESIST FORCES IND</li> <li>1. WHERE BEAM REACTIONS ARE SHOWN ON T DEVELOP THE REACTIONS SHOWN. WHERE</li> </ul>

FION JOINTS IN WALLS: WALL JOINTS SHALL NOT BE SPACED FARTHER THAN 15 FEET walls, 20 feet for 10" walls and 30 feet for 12" walls. wall joints shall NALLY NOT BE LOCATED WITHIN 4'-0" OF EMBED PLATES OR CORNERS OF THE WALL. INUE 50% OF THE WALL HORIZONTAL REINFORCING THROUGH JOINTS: TRIMMING BACK VFORCING BARS 2" FROM THE CONTROL JOINT LOCATION. LOCATE CONTROL JOINTS DE OF THE WALL. SEAL JOINTS WITH ELASTOMERIC SEALANT. SEE WALL FION JOINT TYPICAL DETAIL.

10

SLAB OPENINGS AND SLEEVES SMALLER THAN 12" (IN LARGER DIMENSION) ARE NOT PLANS. CONTRACTOR SHALL SUBMIT ALL OPENINGS (SIZE AND LOCATIONS) AS A COORDINATED SLEEVE PLAN FOR REVIEW AND APPROVAL. I PLACE ALL SLEEVES AND INSERTS.

UIT OR PIPE SHALL BE CAST IN THE SLAB ON GRADE WITHOUT THE WRITTEN APPROVAL TURAL DESIGN GROUP.

IDE ASTM D6817 TYPE EPS12 DE TERMITE RESISTANT EPS IDE GRIPPER PLATES BETWEEN LAYERS TO PREVENT LATERAL MOVEMENT DE SHOP DRAWINGS OF BLOCK LAYOUT, PRODUCT DATA, DESIGN CALCULATIONS (IF CABLE), ETC.

### CHITECTURAL AND STRUCTURAL PRECAST

ARCHITECT'S DRAWINGS AND SPECIFICATIONS FOR DIMENSIONAL, FINISHING, AND EQUIREMENTS OF THE ARCHITECTURAL PRECAST. MANUFACTURER IS TO BE RESPONSIBLE FOR THE DESIGN OF ALL PRECAST MEMBERS

IR CONNECTIONS TO THE STRUCTURE AS WELL AS THE DESIGN OF THE ANY REQUIRED SLABS FOR GRAVITY AND LATERAL LOADS. CALCULATIONS AND SHOP DRAWINGS SHALL TTED BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE HE PROJECT IS LOCATED. NECTIONS SHOWN ON CONTRACT DRAWINGS ARE SHOWN FOR GENERAL ARRANGEMENT ONLY.

TRACTOR SHALL COORDINATE ALL PRECAST CONNECTIONS AND EMBEDDED ITEMS WITH CAST MANUFACTURER. ECTIONS OF THE PRECAST TO THE STRUCTURE SHALL NOT RESTRAIN THE STRUCTURE'S WNWARD MOVEMENT AT ALL BEAMS AND 1" UPWARD MOVEMENT AT ROOF BEAMS. SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY BRACING UNTIL ALL

IONS HAVE BEEN MADE AND TOPPING HAS BEEN CAST. MANUFACTURER SHALL PROVIDE STABILIZING ANGLES AND SIMILAR MISCELLANEOUS AS REQUIRED, FOR ALL PRECAST WORK.

OSED STEEL CONNECTIONS AND SUPPORT ANGLES, PLATES, BARS AND BOLTS IN FION WITH ALL PRECAST CONCRETE SHALL BE HOT-DIP GALVANIZED AFTER FION AND FIELD TOUCHED UP WITH ZINC RICH PAINT.

ENT AND POSSIBLY RESETTING OF PRECAST MAY BE REQUIRED TO ALIGN PRECAST DUE ORT DEFLECTION AND/OR ROTATION. ING BEAMS AND STRUCTURE WILL DEFLECT AND/OR ROTATE. PRECAST MANUFACTURER TTOR SHALL COORDINATE CONNECTION/ERECTION SEQUENCE TO ACCOUNT FOR THIS AND MAKE FINAL ADJUSTMENTS TO ALIGN AND PLUMB PRECAST. THIS MAY REQUIRE NG CONNECTIONS OR RECONNECTING.

#### ECAST CONCRETE HOLLOW CORE SLABS

MANUFACTURER IS TO BE RESPONSIBLE FOR THE DESIGN OF ALL PRECAST MEMBERS IR CONNECTIONS TO THE STRUCTURE. CALCULATIONS AND SHOP DRAWINGS SHALL BE ED BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE THE PROJECT IS LOCATED.

AST MANUFACTURER SHALL LIMIT USE TO 2" MAXIMUM OF THE TOPPING SLAB FOR OSITE ACTION IN THE DESIGN OF THE PRECAST PANELS TO ALLOW FOR A 1" MAXIMUM BER IN THE SELF-WEIGHT INSTALLED CONDITION. HE REMAINING 2" OF THE TOPPING SLAB IS TO BE APPLIED AS SUPERIMPOSED DEAD DAD TO THE PRECAST PANELS.

RECAST MANUFACTURER IS TO PROVIDE ANTICIPATED CAMBER & DEFLECTION LCULATIONS FOR ALL PRECAST PANELS SO THAT IT CAN BE VERIFIED THAT THE SITIVE CAMBER IN THE SELF-WEIGHT INSTALLED CONDITION HAS BEEN LIMITED TO  $1^{"}$ 

RECAST MANUFACTURER IS RESPONSIBLE FOR ADDING AND INCLUDING IN THE BASE BID ADDITIONAL REINFORCING STEEL IN THE TOPPING SLAB AS MAY BE REQUIRED TO

NTROL LONG-TERM CREEP ISSUES WITH THE PRESTRESSED SLAB PANELS. AST MANUFACTURER IS TO BE RESPONSIBLE FOR DETERMINING AND VERIFY ANY SSARY STEPS, SUCH AS THE ROUGHENING OF PRECAST PANELS AND/OR THE USE OF A RETE BONDING AGENT, IN ORDER TO OBTAIN COMPOSITE ACTION OF THE PRECAST LS WITH THE STRUCTURAL TOPPING SLAB. ANY NECESSARY STEPS SHALL BE CATED ON THE SUBMITTED CALCULATIONS AND SHOP DRAWINGS BY THE PRECAST FACTURER.

AST MANUFACTURER IS TO PROVIDE WEEP HOLES IN ALL CORES AT EACH END OF ALL AST PANELS. CONTRACTOR HAS THE OPTION TO FIELD INSTALL WEEP HOLES PER CAST MANUFACTURER'S WRITTEN INSTRUCTIONS.

MANUFACTURER SHALL DESIGN HOLLOW CORE SLABS FOR THE SUPERIMPOSED LOADS BELOW PLUS SELF-WEIGHT PLUS ALL MASONRY BLOCK WEIGHTS, LIVE LOADS, WIND OTHER LOADS SHOWN IN THESE DRAWINGS. DESIGN AND CONSTRUCTION SHALL BE IN NICE WITH ACI-318 AND PCI DESIGN HANDBOOK, LATEST EDITION.

OPPING SLAB -----50 PSF ATERAL DEAD LOAD -----20 PSF

LIVE LOADS, SEE GENERAL NOTES 1.2.B & 1.2.C, PLAN NOTES, AND SECTION NOTES WIND LOADS, SEE GENERAL NOTE 1.3.C, COMPONENTS AND CLADDING WIND LOAD ES ON S1.4, TYPICAL DETAILS, PLAN NOTES, AND SECTION NOTES HOUSEKEEPING PADS UNDER MECHANICAL UNITS, COORDINATE SIZE AND LOCATION OF EKEEPING PADS WITH MECHANICAL DRAWINGS

INECTIONS SHOWN ON CONTRACT DRAWINGS ARE SHOWN FOR GENERAL ARRANGEMENT ONLY. ITRACTOR SHALL COORDINATE ALL PRECAST CONNECTIONS AND EMBEDDED ITEMS WITH ECAST MANUFACTURER. RCE 4" TOPPING SLAB WITH 6X6 W1.4/W1.4 WWR FLAT SHEETS AT MID-DEPTH OF

UITS AND PIPING SHALL NOT BE PLACED IN THE TOPPING SLAB. SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY BRACING UNTIL ALL TIONS HAVE BEEN MADE AND TOPPING HAS BEEN CAST.

MANUFACTURER SHALL PROVIDE STABILIZING ANGLES AND SIMILAR MISCELLANEOUS AS REQUIRED, FOR ALL PRECAST WORK. OSED STEEL CONNECTIONS AND SUPPORT ANGLES, PLATES, BARS, AND BOLTS IN

TION WITH ALL PRECAST CONCRETE SHALL BE HOT-DIP GALVANIZED AFTER TION AND FIELD TOUCHED UP WITH ZINC RICH PAINT. CONCRETE HOLLOW CORE SLAB LOCATIONS SHOWN ON THE DRAWINGS ARE ESTIMATED ALL BE VERIFIED BY THE PRECAST MANUFACTURER. TOR IS TO COORDINATE (MECHANICAL, ELECTRICAL, PLUMBING, ETC.) OPENINGS IN

CORE PRECAST CONCRETE SLAB PANELS WITH PRECAST MANUFACTURER. FIELD CUT OPENINGS THROUGH HOLLOW CORE PRECAST CONCRETE SLAB PANELS SHALL OCATED TO AVOID CUTTING PRESTRESS STRANDS, UNLESS GIVEN APPROVAL BY THE AST MANUFACTURER PRIOR TO COMMENCING WORK.

NINGS IN THE PRECAST PANELS SHALL BE SHOWN ON THE PRECAST PANEL SHOP EXACT LOCATIONS AND OPENING DIMENSIONS SHALL BE INDICATED. ANY G NECESSARY FOR THE SUPPORT OF THE PANELS AT THE OPENINGS SHALL BE ED ON THE SHOP DRAWINGS. ANY ADDITIONAL STEEL FRAMING REQUIRED AT SLAB SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND INCLUDED IN THE BASE SHALL BE PROVIDED AT NO ADDITIONAL EXPENSE TO THE OWNER. STRIPS SHALL BE RANDOM ORIENTED FIBER REINFORCED MATERIAL CAPABLE OF ING A COMPRESSIVE STRESS OF 3000 PSI WITH NO CRACKING, SPLITTING, OR

#### RUCTURAL STEEL

ATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "SPECIFICATION DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS". TOR SHALL BE QUALIFIED BY PARTICIPATING IN THE AISC QUALITY CERTIFICATION AND HOLD THE AISC BUILDING FABRICATOR QMS CERTIFICATION (BU). EL FRAME IS "NON-SELF-SUPPORTING". ADEOUATE TEMPORARY SUPPORT MUST BE BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE. RAL STEEL: ASTM A992 FOR WIDE FLANGE BEAMS AND COLUMNS: A36 FOR S, M AND HP AND CHANNELS; ASTM A36 FOR STIFFENER PLATES, BASE PLATES, COLUMN CAP BEAM CONNECTION PLATES AND STEEL ANGLES. STRUCTURAL SECTIONS (HSS): ASTM A500, GRADE B.

CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16". WELDING CATION, PROCEDURES AND PERSONNEL SHALL BE CERTIFIED ACCORDING TO AWS D1.1, RUCTURAL WELDING CODE - STEEL. AND PLAIN STEEL RODS: ASTM A36

RODS: ASTM F1554 GRADE 36 ANCHOR AND HEAVY HEX NUT OR ASTM F1554 GRADE 55 AND HEAVY HEX NUT WITH SUPPLEMENTARY REQUIREMENT S1. UNLESS OTHERWISE

NCHOR ROD ASSEMBLIES ARE NOT ENCASED IN MINIMUM OF 3" OF CONCRETE, ANCHOR ASSEMBLIES ARE TO BE HOT-DIP GALVANIZED. STUDS: TYPE B SHEAR STUD CONNECTORS MADE FROM ASTM A108, GRADE 1015 OR COLD-FINISHED CARBON, AND COMPLYING WITH AWS D1.1.

ING TYPE A325-N AND SLIP-CRITICAL TYPE A325-SC IN ACCORDANCE WITH RCSC OR ASD VERSION) "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR BOLTS". BOLTS THROUGH 4" WIDE BEAM FLANGES SHALL BE 5/8" DIAMETER. RWISE, BOLTS SHALL BE 3/4" DIAMETER.

SLIP-CRITICAL CONNECTIONS WHERE NOTED. USE SNUG TIGHT BEARING CONNECTIONS ALL OTHER BOLTED CONNECTIONS. SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT BOLTS MAY ISED. ACTUAL NUMBER, UNLESS SPECIFIED, TO BE IN ACCORDANCE WITH AISC. STRUCTURAL STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS . BE DESIGNED TO RESIST FORCES INDICATED, BY THE CONTRACTOR.

HERE BEAM REACTIONS ARE SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL VELOP THE REACTIONS SHOWN. WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY. JCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING AND DETAILING THE CONNECTION.

2. WHERE BEAM REACTIONS OR DESIGN FOR CONTRACTOR SHALL CONTACT STRUCTURA E. DESIGN CALCULATIONS FOR THE CONNECTION

12

- SUBMITTED FOR THE FILES OF THE ARCHI THE SEAL OF A PROFESSIONAL ENGINEER IS LOCATED. SHOP DRAWINGS CONTAINING NOT BEEN RECEIVED WILL BE RETURNED UN 7.12 ALL STRUCTURAL STEEL, INCLUDING EXPOSED EXPOSED TO WEATHER IN THE FINAL CONFIGU GALVANIZED, UNLESS NOTED OTHERWISE, PER
- FILLED AND GROUND SMOOTH AFTER GALVANIZ PAINTED WITH GALVANIZING REPAIR PAINT, PAINT REQUIREMENTS FOR STEEL THAT IS GA 7.13 WHERE STEEL BEAMS ARE CONTINUOUS OVER C
- SIDE OF BEAM WEB, OF THICKNESS EQUAL TO ALIGNMENT WITH COLUMN WEB OR FLANGES OR
- 7.14 PROVIDE 3/4" THICK CLOSURE PLATES ON TH TO BEAM WITH 1/4" PARTIAL PENETRATION W
- 7.15 ALL STEEL EXPOSED TO WEATHER, INCLUDING WHERE FABRICATED OF APPROVED CORROSION-CORROSION RESISTANT OR OTHER APPROVED C CORROSION WITH AN APPROVED COAT OF PAIN
- 7.16 STEEL STAIRS AND ASSOCIATED EMBEDS NOT BE DESIGNED TO RESIST THE PROJECT DESIG UNDER THE DIRECT SUPERVISION OF A PROFES WHERE THE PROJECT IS LOCATED. STAIRS S NAAMM METAL STAIR MANUAL AND AISC, AND THE SEAL OF THE PROFESSIONAL ENGINEER R LOCATED AND SHALL BE INCLUDED WITH THE THAT DO NOT CONTAIN DESIGN CALCULATIONS
- WILL BE RETURNED UNCHECKED AS AN INCOMP A. STAIR FRAMING SHALL BE CAPABLE OF WIT LOADS IN ADDITION TO LOADS SPECIFIED LIMIT DEFLECTION OF TREADS, PLATFORMS INCH, WHICHEVER IS LESS. C. DESIGN OF STAIR FRAMING SHALL ALSO CO
- SERIES 11; FLOOR VIBRATIONS DUE TO H 7.17 ALL HANDRAILS, GUARDRAILS, AND EMBEDS NO SHALL BE DESIGNED IN ACCORDANCE WITH TH THE CONTRACTOR, UNDER THE DIRECT SUPERV IN THE STATE WHERE THE PROJECT IS LOCATI THE PROFESSIONAL ENGINEER REGISTERED IN SHALL BE SUBMITTED FOR THE FILES OF THE

### STEEL JOISTS

WITH THE SHOP DRAWINGS.

- 8.1 DESIGN, FABRICATE, AND ERECT STEEL JOIS INSTITUTE (SJI).
- 8.2 PROVIDE A MINIMUM END BEARING ON STEEL ENDS OF JOIST IF NECESSARY. GENERAL CON LOCATION TO CENTER OVER JOIST.
- 8.3 PROVIDE HORIZONTAL AND DIAGONAL BRIDGING ADEQUATE JOIST CHORD BRACING. 8.4 AT JOIST PARALLEL TO MASONRY WALL. WELD
- ANGLE 3X3X3/16X0'-6". ANCHOR ANGLE WITH TWO-INCH EMBEDMENT INTO WALL.
- 8.5 AT JOISTS PARALLEL TO BEAMS. ANCHOR BRI 8.6 DESIGN ROOF JOISTS TO RESIST THE WIND U CLADDING WIND LOAD TABLE PROVIDED IN TH
- 8.7 IN ADDITION TO THE LOADS INDICATED IN TH DESIGNED FOR CONCENTRATED LOADS IN EXCES JOISTS. REFER TO MECHANICAL, ELECTRICAL FOR LOADING INFORMATION AND LOCATIONS. SUBCONTRACTORS, SUCH AS FIRE PROTECTION CONTRACTOR.
- 8.8 JOIST SEATS FOR JOIST BEARING ON BEAMS SHEAR WALLS SHALL BE DESIGNED FOR A ROLI OF THE JOIST REACTION, UNLESS NOTED OTH FORCE BE LESS THAN **200 PLF** PERPENDICULA
- 8.9 JOISTS AND JOIST SEATS SHALL BE DESIGNED STRUCTURAL DRAWINGS. 8.10 DESIGN CALCULATIONS SHALL BE SUBMITTED STRUCTURAL ENGINEER FOR JOISTS WITH CAN
- JOIST SIZES FOR WHICH STANDARD SJI LOAD SHALL BEAR THE SEAL OF A PROFESSIONAL EI PROJECT IS LOCATED. SHOP DRAWINGS CONT NOT BEEN RECEIVED WILL BE RETURNED UNCH
- 8.11 LIGHT GAUGE METAL FRAMING, SUSPENDED CE OTHER UTILITIES SHALL NOT BE SUPPORTED

### 9.0 STEEL DECK

- 9.1 DECK PROPERTIES AND ATTACHMENTS SHALL B INSTITUTE (SDI).
- 9.2 DECK SHALL BE CONTINUOUS OVER THREE OR M THREE SPANS ARE REQUIRED, THEY SHOULD BI
- 9.3 STEEL ROOF DECK SHALL BE CONNECTED TO S DETAILS AND/OR NOTED IN PLAN/SECTION NO
- A. MANUFACTURER SHALL VERIFY ROOF DECK UPLIFT LOADING FROM THE COMPONENTS AN TYPICAL DETAILS. 9.4 STEEL ROOF DECK SHALL BE CONNECTED TO SU
- PUDDLE WELDS [WITH WELD WASHERS FOR DEC SEE TYPICAL DETAILS AND/OR PLAN/SECTION TEK SCREWS. PROVIDE THREE (3) SIDELAP DAMAGED BY WELDING AND WELD ITSELF SHALL (UNLESS NOTED OTHERWISE)
- 9.5 HIGH ROOF DECK: WIDE RIB TYPE "WR", STE 9.6 LOW ROOF DECKS: WIDE RIB TYPE "WR". STE
- GALVANIZED 9.7 COMPOSITE FLOOR DECK:
- A. 6" THICK CONCRETE SLAB ON STEEL COMPO SEE PLAN. DECK SHALL CONFORM TO 2" BY VULCRAFT OR APPROVED EOUAL. SEE PI
- DECK REQUIREMENTS FOR INDIVIDUAL AREA B. REINFORCE SLAB WITH #5 REBAR SPACED CONTINUOUS HIGH CHAIRS" OVER BEAMS AN WWR
- C. DECK SHALL BE WELDED TO SUPPORTS WITH AT ALL EDGE RIBS PLUS A SUFFICIENT NU AVERAGE SPACING OF 12 INCHES. THE MA
- ATTACHMENT SHALL NOT EXCEED 18 INCHES D. IF STUDS ARE BEING APPLIED THROUGH T
- WELDS CAN BE USED TO REPLACE THE PUDE DECK UNITS WITH SPANS GREATER THAN FI EDGES FASTENED AT MIDSPAN OR 36" O.C.
- F. IF A BENT PLATE OR EDGE ANGLE IS PROV NOT ACCEPTABLE TO WELD HEADED STUDS BE WELDED DIRECTLY TO THE SUPPORTING
- 9.8 SHEAR CONNECTORS: 3/4" DIAMETER, SEE P HEADED STUDS ASTM A108. SPACE UNIFORMLY SPACE UNIFORMLY ALONG PART OF MEMBER BE WHERE MORE THAN ONE VALUE IS GIVEN. MAX RIBS ARE ORIENTED PERPENDICULAR TO BEAM BEAM. MINIMUM SPACING OF SHEAR CONNECT
- 4-1/2" PARALLEL TO BEAM. 9.9 CONTRACTOR OPTION TO USE HILTI S-SLC 02 HILTI FASTENERS IN LIEU OF #12 TEK SCREV SCREWS FOR STUDS. JOISTS AND BEAMS 16 G JOISTS AND BEAM  $1/8'' \le tf \le 3/8''$  HILTI
- 9.10 WELDED CONNECTIONS: E60XX ELECTRODES. PERSONNEL SHALL BE CERTIFIED ACCORDING
- SHEET STEEL. 9.11 LIGHT GAUGE METAL FRAMING. SUSPENDED CE UTILITIES SHALL NOT BE SUPPORTED BY THE
- 9.12 NAILABLE SUBSTRATE SHALL BE FASTENED TO PLATED SELF-TAPPING SCREWS AT 12" O.C. AT 6" O.C. - SEE TYPICAL DETAILS FOR CO

### 10.0 MASONRY

- 10.1 MASONRY CONSTRUCTION SHALL CONFORM TO T 10.2 ALL MASONRY MATERIALS AND CONSTRUCTION
- BRICK INSTITUTE OF AMERICA (BIA) AND NA AND MINIMUM REQUIREMENTS ESTABLISHED BY
- 10.3 MINIMUM COMPRESSIVE STRENGTH OF CONCRET 28 DAYS.
- 10.4 NET COMPRESSIVE STRENGTH FOR EACH CMU UI DAYS. FOR TYPE N MORTAR, NET COMPRESSIV 2650 PSI.
- 10.5 GROUT COMPRESSIVE STRENGTH SHALL BE 2500 COMPLY WITH TABLE 6 OF TMS 602 FOR DIMEN COURSE GROUT SHALL BE USED WHERE POSSIBI
- 10.6 ALL MASONRY SHALL BE NORMAL WEIGHT IN AC
- 10.7 MORTAR SHALL BE TYPE S OR M. TYPE N MOI COMPRESSIVE STRENGTH IS GREATER THAN 26
- 10.8 ALL MASONRY SHALL BE STACK BOND, UNLESS
- 10.9 ALL BLOCK CELLS AND CAVITIES BELOW GRAD 10.10 MASONRY REINFORCING LAP SPLICE LENGTHS
- LENGTHS TYPICAL DETAIL. 10.11 THE CONTRACTOR SHALL PROVIDE DETAILED S

13	14		
	STRUCTURAL DESIGN GROUP 300 Chase Park South, Suite 125 Hoover, AL 35244 tel 205-824-5200		
	fax 205-824-5280 Job Number <b>24-050</b>		
RCES ARE NOT SHOWN ON THE DRAWINGS, THE L DESIGN GROUP FOR DIRECTION. ONS DESIGNED BY THE CONTRACTOR SHALL BE TECT AND ENGINEER CALCULATIONS SHALL BEAR		5	
REGISTERED IN THE STATE WHERE THE PROJECT G CONNECTIONS FOR WHICH CALCULATIONS HAVE NCHECKED AS AN INCOMPLETE SUBMITTAL.			
BOLTS, NUTS, WASHERS, OR ANCHOR RODS, RATION OF THE STRUCTURE SHALL BE HOT-DIP ASTM A123/A123M. VENT HOLES SHALL BE ING. DAMAGE TO GALVANIZING SHALL BE SSPC-PAINT 20. SEE 05120 SPECIFICATION FOR			
OLUMNS, PROVIDE WEB STIFFENER PLATES EACH BEAM FLANGE THICKNESS, LOCATED IN CENTER LINE OF HSS COLUMNS.			
E ENDS OF HSS BEAMS. SHOP WELD ALL AROUND ELDS. STEEL LINTELS FOR MASONRY OPENINGS, EXCEPT			
RESISTANT STEEL OR OF STEEL HAVING A OATING, SHALL BE PROTECTED AGAINST T, ENAMEL, OR OTHER APPROVED PROTECTION.		LLC uite 200	
N LOADS INDICATED ABOVE, BY THE CONTRACTOR, SSIONAL ENGINEER REGISTERED IN THE STATE HALL BE DESIGNED IN ACCORDANCE WITH THE AS LISTED BELOW. CALCULATIONS SHALL BEAR EGISTERED IN THE STATE WHERE THE PROJECT IS STAIR SHOP DRAWINGS. STAIR SHOP DRAWINGS (MEMBERS, CONNECTIONS, ANCHORAGE, ETC.) LETE SUBMITTAL.		ills Cawood, l enue South, S AL 35233	RK.COM
THSTANDING STRESSES RESULTING FROM RAILING ABOVE. S, AND FRAMING MEMBERS TO L/360 OR 1/4		łwyn M 5th Ave ngham,	)5.8/9.4 NETWO
OMPLY WITH AISC'S "STEEL DESIGN GUIDE UMAN ACTIVITY."		Good 2400 Birmi	е 70 В мсі
E APPLICABLE BUILDING CODE NOTED ABOVE, BY ISION OF A PROFESSIONAL ENGINEER REGISTERED ED. CALCULATIONS SHALL BEAR THE SEAL OF THE STATE WHERE THE PROJECT IS LOCATED AND ARCHITECT/ENGINEER AND SHALL BE INCLUDED			
TS IN ACCORDANCE WITH THE STEEL JOIST			
SUPPORTS AS REQUIRED BY SJI. STAGGER THE NTRACTOR COORDINATE METAL DECK SPLICE G IN ACCORDANCE WITH SJI TO PROVIDE		<b>DATE</b> 0.18.24	H
EACH BRIDGING ROW TOP AND BOTTOM TO AN H TWO 3/8" DIAMETER SLEEVE ANCHORS WITH		SUE C IITTAL 10	N BY: D BY: T
DGING ROWS BY WELDING TO BEAMS. PLIFT LOADING FROM THE COMPONENTS AND		IAL SUBN	DRAV CHECKI
E TYPICAL DETAILS. HE STRUCTURAL DRAWINGS, JOISTS SHALL BE SS OF 100 LB HUNG FROM OR SUPPORTED BY L AND PLUMBING DRAWINGS AND SPECIFICATIONS LOADING AS REQUIRED BY OTHER , SHALL BE COORDINATED BY THE GENERAL		DCM FIN	
OR WALLS IN LINE WITH LATERAL FRAMES OR LOVER FORCE EQUAL TO <b>30%</b> OF THE DEAD LOAD ERWISE. IN NO CASE SHALL THE ROLLOVER R TO THE JOIST SEAT. D FOR AXIAL LOADS WHERE INDICATED IN THE			
FOR THE FILES OF THE ARCHITECT AND TILEVERS OR CONCENTRATED LOADS AND FOR TABLES ARE NOT APPLICABLE. CALCULATIONS NGINEER REGISTERED IN THE STATE WHERE THE AINING JOISTS FOR WHICH CALCULATIONS HAVE ECKED AS AN INCOMPLETE SUBMITTAL.			
ILINGS, LIGHT FIXTURES, DUCTS, PIPING OR BY THE JOIST BRIDGING.			
E IN ACCORDANCE WITH THE STEEL DECK			
E CLEARLY MARKED ON THE SHOP DRAWINGS.			
ATTACHMENT IS ADEQUATE TO RESIST THE WIND ND CLADDING WIND LOAD TABLE PROVIDED IN THE			
UPPORTING STRUCTURE WITH 5/8" DIAMETER KS THINNER THAN 22 GAGE] IN A 36/4 PATTERN, NOTES. SIDE LAP FASTENERS SHALL BE #10 FASTENERS PER SPAN. ROOF DECK GALVANIZING			
EL ROOF DECK, 20 GAGE, 3" DEEP, GALVANIZED. EL ROOF DECK, 20 GAGE, 1 1/2" DEEP,			
OSITE FLOOR DECK, UNLESS NOTED OTHERWISE, VLI, 20 GAGE, GALVANIZED, AS MANUFACTURED LAN NOTES AND SECTION NOTES FOR SPECIFIC			
AS. 9" ON CENTER, EACH WAY SUPPORTED BY "UPPER ND GIRDERS TO MAINTAIN 2 1/2" COVERAGE OF			
H A 5/8" DIAMETER PUDDLE WELD OR EQUIVALENT UMBER OF INTERIOR RIBS TO PROVIDE A MAXIMUM AXIMUM SPACING BETWEEN ADJACENT POINTS OF		SROC	
S. HE DECK ONTO STRUCTURAL STEEL, THE STUD DLE WELDS ON A ONE-FOR-ONE BASIS.		CLAS	
IVE FEET SHALL HAVE SIDE LAPS AND PERIMETER WHICHEVER IS SMALLER. VIDED ON TOP OF THE SUPPORTING BEAM, IT IS		AND	
TO THE BENT PLATE OR EDGE ANGLE, STUDS MUST BEAM FLANGE. LANS / SECTIONS FOR LENGTH (AFTER WELD),		GYM	
Y ALONG MEMBER WHERE SINGLE VALUE IS GIVEN. TWEEN SUPPORTED BEAMS, OR COLUMN AND BEAM, XIMUM CONNECTOR SPACING IS 36" WHEN DECK AND 52" WHEN DECK RIBS ARE PARALLEL TO ORS SHALL BE 3" PERPENDICULAR TO BEAM AND			
M HWH IN LIEU OF #10 SIDELAP SCREWS AND WS AS FOLLOWS: HILTI S-MD $12-24x1-5/8$ HWH5 A $\leq$ tf $\leq$ 1/4" HILTI X-HSN 24 PINS FOR X-ENP 19 L15 PINS FOR BEAMS tf $\geq$ 1/4". WELDING QUALIFICATION, PROCEDURES AND TO AWS D1.3, THE STRUCTURAL WELDING CODE -		EET NE, :, AL 3596	548 1230009
ILINGS, LIGHT FIXTURES AND DUCTS OR OTHER STEEL ROOF DECK.		AYN h STR AYNE	# 20240 # AHUN
STEEL ROOF DECK WITH #8 ROUND HEAD, ZINC EACH WAY. AT CORNER ZONES, ATTACH SCREWS RNER ZONES.		<b>FORT P</b> 201 45t FORT P	BCM GMC
MS 602-16 SPECIFICATION. SHALL COMPLY WITH THE RECOMMENDATIONS OF TIONAL CONCRETE MASONRY ASSOCIATION (NCMA)		Nummer A B A	ununun M
THE LOCAL BUILDING CODE. E MASONRY UNIT (f'm) SHALL BE 2000 PSI AT		H. March 22596 PROFISSION	
NIT SHALL MEET OR EXCEED 2000 PSI AT 28 VE STRENGTH FOR BLOCK SHALL BE GREATER THAN		10-18-2022	WW MARKEN
U PSI AT 28 DAYS. GROUT SHALL ADDITIONALLY NSIONS OF GROUT SPACES AND POUR HEIGHTS. LE. CCORDANCE WITH ASTM C90.			
RTAR ALLOWED ONLY IF THE CMU NET 50 PSI. NOTED.		DTES	$\mathbf{O}$
E SHALL BE FILLED WITH CONCRETE OR GROUT. PER SCHEDULE, SEE MASONRY LAP SPLICE		AL NO	ŏ
HOP DRAWINGS OF THE CMU REINFORCEMENT.			

	м			
	L			
	ĸ			
	J			
	H			
	G			
	F			
	E			
	D			
	C			
22.1	B			
::54:52 PM TEMPLATE VERSION: 202	A			
/2024 3:\				

10 12	. SHOP DRAWINGS SHALL INCLUDE AN ELEVATION VIEW OF EACH REINFORCED WALL WITH ALL VERTICAL AND HORIZONTAL REINFORCING AS WELL AS WALL OPENINGS/PENETRATIONS SHOWN. REINFORCING SHOP DRAWINGS NOT CONTAINING THESE ELEVATION DRAWINGS WILL BE RETURNED AS AN INCOMPLETE SUBMITTAL.
10.12 10.13	MODIFY CMU BLOCKS AS REQUIRED TO INSTALL REINFORCING AS NOTED/SHOWN. PROVIDE CONTRACTION (CONTROL) JOINTS IN ALL CONCRETE MASONRY WALLS AT LOCATIONS APPROVED BY THE ARCHITECT AT A MAXIMUM SPACING OF 2.0 TIMES THE WALL HEIGHT OR 25'-0". WHICHEVER IS LESS.
10.14	CONTROL JOINTS IN CMU WALLS SHALL BE DISCONTINUOUS AT MASONRY BOND BEAMS. BOND BEAM REINFORCING SHALL EXTEND CONTINUOUS WITH MASONRY LAP SPLICES AND CORNER BARS. SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION
10.15	WHEN REINFORCING IS SPECIFIED, PROVIDE REINFORCING AT EACH SIDE OF CONTROL JOINTS, OPENINGS AND WALL ENDS.
LO.16	EXTEND REBAR AT WALL OPENINGS A MINIMUM OF 2'-0" PAST THE OPENING AT ALL CORNERS, UNLESS NOTED OTHERWISE. AT WINDOWS, PROVIDE A MINIMUM OF 2#4 BARS AT THE SILLS OF THE WINDOWS, UNLESS NOTED OTHERWISE.
10.17	AT CMU PARTITIONS OVER 8'-0" TALL, SUPPORTED BY SLAB ON GRADE, PROVIDE THICKENED SLAB PER TYPICAL DETAILS.
LO.18 LO.19	WHERE ANY CMU WALL IS NOT SUPPORTED AT THE TOP, PROVIDE MINIMUM #5@16 VERTICAL REINFORCING, UNLESS NOTED OTHERWISE. PROVIDE WALL TOP SUPPORT AT 8'-0" O.C. FOR ALL INTERIOR NON-LOAD BEARING CMU WALLS WHERE CONTINUOUS WALL SPAN BETWEEN PERPENDICULAR BRACING WALLS EXCEEDS 20'-0".
10.20	SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION. PROVIDE HORIZONTAL JOINT REINFORCING IN REINFORCED MASONRY WALLS AS DIRECTED BY THE ARCHITECT. AT WALL CORNERS AND INTERSECTIONS, PROVIDE PREFABRICATED T AND L SHAPES, FIELD BENDING IS NOT PREMITTED. MINIMUM OF LADDER TYPE ZINC COATED CONFORMING TO ASTM A&2 HOHMANN & BARNARD 220 LADDER-MESH OR EQUIVALENT AT EVERY OTHER BLOCK COURSE ABOVE FOOTING. REINFORCEMENT SHOULD CONSIST OF TWO OR MORE LONGITUDINAL WIRES, NO. 9 GAUGE OR LARGER, WELDED WITH NO. 9 GAUGE OR LARGER CROSS WIRES. LAP SPLICE HORIZONTAL JOINT REINFORCING A MINIMUM OF 12".
L0.21	PROVIDE DOVETAIL ANCHORS AT 16" O.C., UNLESS NOTED OTHERWISE, WHERE MASONRY WALLS ABUT CONCRETE SURFACES.
L0.22	PROVIDE GROUT FILLED LINTEL BLOCKS AT TOP OF ALL CMU WALLS REINFORCED WITH 2#4 BARS CONTINUOUS, UNLESS NOTED OTHERWISE.
LO.23	CONDUITS, REFRIGERANT PIPING (WITH ANY REQUIRED INSULATION INCLUDED), CONDENSATE DRAIN LINES, ETC. UP TO 2" IN OUTSIDE DIAMETER MAY EXTEND CONTINUOUS THRU MASONRY WALLS & BOND BEAMS. COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING, ETC. DRAWINGS FOR SIZE AND LOCATION. DO NOT INTERRUPT CONTINUOUS REINFORCING STEEL IN PLACEMENT OF CONDUITS, PIPING, DRAIN LINES, ETC.
L0.24	WHERE MASONRY WALLS SUPPORT EARTH ON BOTH SIDES, BACKFILL EACH SIDE SIMULTANEOUSLY.
LO.25 LO.26	WHERE TOP OF FOOTING SUPPORTING MASONRY WALLS IS MORE THAN 2'-8" BELOW FINISH FLOOR, PROVIDE #6 AT 16" O.C., UP TO THE FIRST COURSE ABOVE FINISH FLOOR ELEVATION, IN ADDITION TO THE SPECIFIED REINFORCEMENT, UNLESS NOTED OTHERWISE. THE MASONRY WALLS ARE "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE. BRACING SHALL BE PER THE FOLLOWING, AND CONTRACTOR SHALL PROVIDE ADDED REINFORCING
A B	AND GROUT IF REQUIRED BY THE BRACING. . THE "2012 STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION". . THE "MASONRY WALL BRACING HANDBOOK" AS PUBLISHED BY THE MASON CONTRACTORS ASSOCIATION OF AMERICA (MCAA) SHOULD BE USED IN CONJUNCTION WITH THE "STANDARD
L <b>0.27</b>	PRACILCE". PROVIDE 2 COURSES OF GROUT FILLED OPEN BOTTOM BOND BEAM BLOCKS REINFORCED WITH 2#5 BARS CONTINUOUS AT ALL STEEL STAIR ATTACHMENT LOCATIONS, UNLESS NOTED OTHERWISE. CONTRACTOR COORDINATE EXACT LOCATIONS WITH STEEL STAIR DESIGNER.
11. F	0 COLD-FORMED STEEL FRAMING (NON-LOAD
<b>C</b> 11.1	STRUCTURAL PROPERTIES OF COLD-FORMED STEEL FRAMING SHALL BE COMPUTED IN ACCORDANCE WITH AISI "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING" AND OTHER
1.2	APPLICABLE AISI STANDARDS, LATEST EDITIONS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL COLD-FORMED STEEL FRAMING. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR FRAMING LAYOUT, SIZES, SPACING, AND SECTIONS. THE GAGE OF THE STUDS, IF SHOWN, SHALL NOT BE REVISED
	UNLESS IT IS REQUIRED TO BE INCREASED AS DIRECTED BY THE COLD-FORMED STEEL DESIGN ENGINEER. COLD-FORMED STEEL FRAMING SHOP DRAWINGS AND DESIGN CALCULATIONS SHALL BE SUBMITTED FOR FILES OF THE STRUCTURAL ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE CONTRACTOR SHALL INCLUDE THE COST OF SHOP DRAWINGS AND CALCULATIONS, INCLUDING ENGINEERING FEES, IN THE BASE BID OF THE CONTRACT.
L1.3 A B	DEFLECTION LIMITS FOR MEMBERS: . SOFFITS: DL L/240 LL L/240 TL L/180 . WALL SUPPORTING BRICK: HORIZONTAL DEFLECTION OF L/600
C D E	. WALL SUPPORTING STUCCO: HORIZONTAL DEFLECTION OF L/360 . WALL SUPPORTING EIFS: HORIZONTAL DEFLECTION OF L/240 . WALL PARTITIONS: HORIZONTAL DEFLECTION OF L/180
L1.5	COLD-FORMED STEEL FRAMING MEMBERS ABUTTING STRUCTURE SHALL HAVE VERTICAL SLIP TRACKS TO ACCOMMODATE UP TO 1-1/2" VERTICAL MOVEMENT UP OR DOWN.
L1.6 L1.7	VERTICAL STUDS INTERRUPTED BY WALL OPENINGS SHALL BE LOCATED EQUALLY ON EACH SIDE OF THE OPENING. PROVIDE EVEN NUMBER OF FULL HEIGHT STUDS ON EACH SIDE OF OPENING. WELD STUD FLANGES TOGETHER WITH 1/8" FILLET WELD 1" LONG SPACED AT 6" O.C. WELDED CONNECTIONS: E60XX ELECTRODES, MINIMUM SIZE FILLET WELD 1/8". WELDING QUALIFICATION, PROCEDURES AND PERSONNEL SHALL BE CERTIFIED ACCORDING TO AWS D1.3,
1.8	THE STRUCTURAL WELDING CODE - SHEET STEEL. PROVIDE WALL BRACING, CONNECTION DETAILS, WINDOW/DOOR HEADERS, ETC AS RECOMMENDED BY THE STUD MANUFACTURER FOR COLD-FORMED STEEL FRAMING MEMBERS.
L1.9	TRACK SHALL BE SCREWED TO STUD WITH 2#8 TEK SCREWS EACH FLANGE, OR AS REQUIRED BY DESIGN.
L1.10	PROVIDE SHOP DRAWINGS SHOWING PLANS, ELEVATIONS AND CONNECTION DETAILS FOR ALL NON-LOAD BEARING COLD-FORMED STEEL FRAMING. ALL CONNECTIONS OF THE COLD-FORMED STEEL FRAMING MEMBERS TO THE STRUCTURE SHALL BE
12.	O POST-INSTALLED REINFORCING, ANCHORS AND DRAWINGS.
<b>F</b>	•ASTENERS POST-INSTALLED ANCHORS AND/OR REINFORCING SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS AND/OR REINFORCING
12.2	IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS AND/OR REINFORCING. THE BELOW PRODUCTS ARE THE DESIGN BASIS FOR THIS PROJECT. PRODUCT DIAMETER AND EMBEDMENT SHALL BE SHOWN IN THE DETAILS.
Α	. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.2 AND ICC- ES AC193 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. PRE-APPROVED PRODUCTS INCLUDE:
	<pre>1. SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713 &amp; IAPMO-UES ER-493) 2. SIMPSON STRONG-TIE "STRONG-BOLT 2" (ICC-ES ESR-3037) 3. SIMPSON STRONG TIE "TITEN UP POP WAYER" (TOC ES ESR-3037)</pre>
	<ul> <li>4. SIMPSON STRONG-TIE TITEN-THE KOD HANGEK (ICC-ES ESK-2/13)</li> <li>4. SIMPSON STRONG-TIE "TITEN TURBO" (IAPMO-UES ER-712) - FOR UNCRACKED CONCRETE ONLY</li> <li>5. HILTI KWIK HUS-EZ (KH-EZ), KH-EZ CRC, KH-EZ SS316, KH-EZ C, KH-EZ E, KH-EZ-I, AND KH-EZ P SCREW ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM (TCC FOR 2027)</li> </ul>
	<ul> <li>VACUUM (ICC ESK-3027)</li> <li>6. HILTI KWIK BOLT-TZ2 EXPANSION ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM AND SI-AT-A22 TOOL WITH ADAPTIVE TORQUE FOR APPLICABLE SIZES (ICC ESR-4266)</li> <li>7. HILTI KWIK BOLT 1 EXPANSION ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT</li> </ul>
	AND VACUUM AND SI-AT-A22 TOOL WITH ADAPTIVE TORQUE FOR APPLICABLE SIZES (ICC ESR-678) 8. HILTI HDA UNDERCUT ANCHORS (ICC ESR 1546) 9. HILTI HSL-4 EXPANSION ANCHORS (ICC ESR 4386) 10. DEWALT SCREW-BOLT+ (ICC-ES ESP-3889)
	11. DEWALT POWER-STUD+ SD2 (ICC-ES ESR-2502) 12. DEWALT POWER-STUD SD1 (ICC-ES ESR-2818) 13. DEWALT HANGERMATE+ (ICC-ES ESR-3889) 14. DEWALT CCU+ UNDERCUT (ICC-ES ESR-4810) 15. DEWALT CCU+ UNDERCUT (ICC-ES ESR-4810)
В	<pre>ID. DEWALT POWER-BOLT+ (ICC-ES ESR-3260) . MECHANICAL ANCHORS FOR USE IN THE UNDER SIDE OF NORMAL WEIGHT HOLLOW CORE AND POST TENSION SLAB WHERE EMBEDMENT DEPTH MUST NOT EXCEED ¾". PRE-APPROVED PRODUCTS INCLUDE:</pre>
	1. DEWALT MINI-UNDERCUT+ (ICC-ES ESR-3912) 2. HILTI HDP-P TZ DROP-IN ANCHOR (ICC ESR-4236) ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE REEN TESTED IN ACCORDANCE WITH ACT
	ADDESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI
С	ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS, SUCH AS HORIZONTAL TO UPWARD INCLINED ORIENTATION UNDER SUSTAINED TENSION LOADING, SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-19 26.7.2 & 26.7.2(e). INSTALLATIONS REQUIRING
C	ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS, SUCH AS HORIZONTAL TO UPWARD INCLINED ORIENTATION UNDER SUSTAINED TENSION LOADING, SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-19 26.7.2 & 26.7.2(e). INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-19 26.7.2 & 26.7.2(e). PRE-APPROVED PRODUCTS INCLUDE: 1. SIMPSON STRONG-TIE "SET-3G" (ICC-ES ESR-4057) 2. SIMPSON STRONG-TIE "AT-YP" (TARMO UPS ED 262)
C	<ul> <li>ADHESIVE BOND STRENGTH HAS BEEN BASED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS, SUCH AS HORIZONTAL TO UPWARD INCLINED ORIENTATION UNDER SUSTAINED TENSION LOADING, SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-19 26.7.2 &amp; 26.7.2(e). INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-19 26.7.2 &amp; 26.7.2(e). PRE-APPROVED PRODUCTS INCLUDE:</li> <li>SIMPSON STRONG-TIE "SET-3G" (ICC-ES ESR-4057)</li> <li>SIMPSON STRONG-TIE "SET-XP" (IAPMO-UES ER-263)</li> <li>SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2508)</li> <li>HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM WITH CONTINUOUSLY DEFORMED REBAR (ICC ESR-4868)</li> <li>HILTI HIT-RE 500 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM</li> </ul>

3

CLEANING METHODS USING STEEL BRUSHES AND COMPRESSED DRY AIR MAY BE COMPLETELY OMITTED PER ICC-ES ESR-4027 POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:

SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811) SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)

HILTI "UNIVERSAL KNURLED SHANK FASTENERS" X-U (ICC ESR-2269) DEWALT "POWER DRIVEN FASTENERS", POWDER ACTUATED (ICC-ES-ESR 2024)

5. DEWALT "TRAK-IT C5", GAS ACTUATED (ICC-ES-ESR 3275)

### **GENERAL NOTES**

12.4 FOR ANCHORING INTO MASONRY: A. SOLID-GROUTED CONCRETE MASONRY

1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106. PRE-APPROVED PRODUCTS INCLUDE: a. SIMPSON STRONG-TIE "TITEN-HD" & "STAINLESS STEEL TITEN HD" (ICC-ES

10

- ESR-1056) b. SIMPSON STRONG-TIE "STRONG-BOLT 2" (IAPMO-UES ER-240) c. SIMPSON STRONG-TIE "WEDGE-ALL" (ICC-ES ESR-1396)
- d. SIMPSON STRONG-TIE "TITEN TURBO" (IAMPO-UES ER-716) e. HILTI KH-EZ, KH-EZ CRC, KH-EZ SS316, KH-EZ C, AND KH-EZ P SCREW ANCHORS (ICC ESR-3056) f. HILTI KWIK BOLT-1 EXPANSION ANCHOR (ICC ER-677)
- g. HILTI KWIK BOLT-TZ2 EXPANSION ANCHOR (ICC ESR-4561) . DEWALT "SCREW-BOLT+" (ICC-ES ESR 4042) i. DEWALT "POWER-STUD+ SD1" (ICC-ES ESR 2966)

2. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED PRODUCTS INCLUDE:

- a. SIMPSON STRONG-TIE "AT-XP" (IAPMO-UES ER-281) b. SIMPSON STRONG-TIE "SET-XP" (IAPMO-UES ER-265)
- C. HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM (ICC ESR-4143); STEEL ANCHOR ELEMENT SHALL BE HILTI-HAS CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR d. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM (ICC ESR-4878)
- e. DEWALT AC100+ GOLD (ICC-ES ESR-3200) 3. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811) b. SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138) c. HILTI "UNIVERSAL KNURLED SHANK FASTENERS" X-U (ICC ESR-2269) d. DEWALT "TRAK-IT C5", GAS ACTUATED (ICC-ES-ESR 3275)
- B. HOLLOW CONCRETE MASONRY
  - 1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC106. PRE-APPROVED PRODUCTS INCLUDE: a. SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-1056)
  - b. SIMPSON STRONG-TIE "TITEN TURBO" (IAPMO-UES ER-716)
  - . ADHESIVE FOR REBAR AND ANCHORS WITH SCREEN TUBES SHALL HAVE BEEN TESTED FOR USE IN ACCORDANCE WITH ICC-ES AC58. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER. PRE-APPROVED PRODUCTS INCLUDE:
  - a. SIMPSON STRONG-TIE "SET-XP" (IAPMO-UES ER-265) b. HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM (ICC ESR-4143); STEEL ANCHOR ELEMENT SHALL BE HILTI-HAS CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. c. DEWALT AC100+ GOLD (ICC-ES ESR-3200)
  - 3. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE: a. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
  - b. SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138) c. HILTI "DRYWALL TRACK FASTENERS" X-DW (ICC ESR-1663)
- C. UNREINFORCED BRICK MASONRY (URM): ADHESIVE FOR REBAR AND ANCHORS WITH SCREEN TUBES SHALL HAVE BEEN TESTED FOR USE IN ACCORDANCE WITH ICC-ES AC60. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER. PRE-APPROVED PRODUCTS INCLUDE:
- .. SIMPSON STRONG-TIE "ET-HP" (ICC-ES ESR-3638) 2. HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM (ICC ESR-4143); STEEL ANCHOR ELEMENT SHALL BE HILTI-HAS CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. 3. DEWALT "AC100+ GOLD" (ICC-ES ESR-4105)
- 12.5 FOR FASTENING INTO STEEL: POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
- A. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811) SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138) C. HILTI FASTENERS IN LIEU OF #12 TEK SCREWS:
- 1. HILTI S-MD 12-24X1-5/8 HWH5 SCREWS FOR STUDS, JOISTS AND BEAMS 16 GA  $\leq$  TF  $\leq$ . HILTI X-HSN 24 PINS FOR JOISTS AND BEAM  $1/8" \le TF \le 3/8"$
- 3. HILTI X-ENP 19 L15 PINS FOR BEAMS TF  $\geq 1/4''$ . D. DEWALT "POWER DRIVEN FASTENERS", POWDER ACTUATED (ICC-ES-ESR 2024) E. DEWALT "TRAK-IT C5", GAS ACTUATED (ICC-ES-ESR 3275)
- 12.6 REFER TO THE PROJECT BUILDING CODE AND/OR EVALUATION REPORT FOR SPECIAL INSPECTIONS AND PROOF LOAD REQUIREMENTS.

12.7 SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED MAY BE SUBMITTED BY THE CONTRACTOR TO THE EOR FOR REVIEW NO LESS THAN TWO WEEKS PRIOR TO BID. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A RESEARCH REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION UNDER THE PROJECT BUILDING CODE. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE. 12.8 INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII),

OR AS INCLUDED IN THE ANCHOR PACKAGING. 12.9 THERE IS TO BE NO GAP BETWEEN CONNECTED PARTS, UNLESS SHIMS ARE PROVIDED. ANCHORS ARE TO SECURE CONNECTED PARTS TOGETHER SNUGLY AND SECURELY.

12.10 OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE MANUFACTURER'S INSTRUCTIONS AND INSTALLER MUST BE ACI CERTIFIED. 12.11 THE CONTRACTOR SHALL ARRANGE FOR AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO

- PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.
- 12.12 THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S SPECIAL INSPECTION AGENCY FOR CONTINUOUS SPECIAL INSPECTION OF ADHESIVE ANCHORS AND PERIODIC INSPECTION OF MECHANICAL ANCHORS, SEE SPECIAL INSPECTION SCHEDULE FOR ADDITIONAL INFORMATION.
- 12.13 ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
- 12.14 EXISTING REINFORCING BARS AND/OR CONDUIT IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS AND/OR REINFORCING TO AVOID CONFLICTS WITH EXISTING REBAR AND/OR CONDUIT. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS BY GPR, X-RAY, HILTI PS 1000 X-SCAN, CHIPPING, OR OTHER MEANS.

#### 13.0 INSPECTIONS

13.1 OWNER SHALL RETAIN THE SERVICES OF INDEPENDENT AGENCIES TO PERFORM THE CONSTRUCTION MATERIAL TESTING AND CODE REQUIRED SPECIAL INSPECTIONS, AS CONSTRUCTION PROGRESSES, FORWARD COPIES OF INSPECTION REPORTS TO STRUCTURAL ENGINEER FOR REVIEW. SDG CANNOT ISSUE A CERTIFICATE OF SATISFACTORY COMPLETION WITHOUT REVIEWING THESE REPORTS AND FINAL CERTIFICATES ISSUED BY EACH OF THE INDEPENDENT AGENCIES.

13.2 STRUCTURAL OBSERVATION BY SDG IS VISUAL OBSERVATION OF THE IN PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED STRUCTURAL PORTIONS OF THE CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION AND SHALL NOT BE CONSTRUED AS INSPECTION OR APPROVAL OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING TESTING AND SPECIAL INSPECTIONS PER THE REQUIREMENTS IN THE PROJECT MANUAL AND CONSTRUCTION DOCUMENTS.

13.3 OBSERVATION BY THE ENGINEER OF RECORD'S OFFICE DOES NOT REPLACE INSPECTIONS AND TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.

### 14.0 SHOP DRAWINGS (SUBMITTALS)

14.1 THE GENERAL CONTRACTOR SHALL SUBMIT FOR REVIEW AN ELECTRONIC SET OF DESIGN CALCULATIONS FOR ITEMS LISTED BELOW; CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED:

- A. STRUCTURAL STEEL BEAM CONNECTION DESIGN STEEL STAIR FRAMING AND CONNECTIONS DESIGN ARCHITECTURAL PRECAST (SUBMIT FOR RECORD ONLY)
- PRECAST CONCRETE HOLLOW CORE SLABS COLD-FORMED STEEL WALL PANEL FRAMING COLD-FORMED STEEL FRAMING

14.2 SUBMIT ALL SHOP DRAWINGS ELECTRONICALLY. ELECTRONIC COPIES WILL BE RETURNED TO THE ARCHITECT. REPRODUCTIONS REQUIRED BY THE CONTRACTOR ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE MADE AFTER THE ELECTRONIC COPIES ARE RETURNED. 14.3 ALL SHOP DRAWINGS SHALL BE ACCOMPANIED BY A PROPERLY COMPLETED SUBMITTAL

14.4 WHERE SHOP DRAWINGS, CALCULATIONS, OR SUBMITTALS ARE CALLED FOR IN THE PROJECT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND ARE NOT PROVIDED BY THE CONTRACTOR,

CHECKLIST, WHERE REQUIRED BY THE RELEVANT SPECIFICATION SECTION.

THE CONTRACTOR ASSUMES TOTAL RESPONSIBILITY FOR THE DESIGN AND ASSOCIATED WORK. 14.5 ENGINEER'S SHOP DRAWING REVIEW IS LIMITED TO REVIEW FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT REFLECTED IN THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE DRAWINGS, SPECIFICATIONS OR OTHER PROJECT CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED OR IMPLIED FOR THE CORRECTNESS OF DIMENSIONS OR DETAILS. THIS REVIEW DOES NOT AUTHORIZE CHANGES TO THE CONTRACT SUM UNLESS STATED IN A SEPARATE WRITTEN FORM OR CHANGE ORDER. CONTRACTOR SHALL CONFIRM AND CORRELATE ALL QUANTITIES AND DIMENSIONS, SELECT FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATE HIS WORK WITH THAT OF OTHER TRADES, AND PERFORM HIS WORK IN A SAFE AND SATISFACTORY MANNER. CONTRACTOR SHALL ALSO REFER TO THE REQUIREMENTS OF THE GENERAL AND SUPPLEMENTARY GENERAL CONDITIONS.

14.6 ALL SUBMITTALS: IF THERE ARE QUESTIONS, CLARIFICATIONS, MODIFICATIONS, OR ITEMS WHERE INFORMATION, A RESPONSE, OR APPROVAL IS REQUESTED, SUCH ITEMS SHALL BE WRITTEN ON THE TRANSMITTAL OR COVER SHEET. WHERE SUBMITTAL CHECKLISTS ARE REQUIRED BY THE RELEVANT SPECIFICATION, THE AFOREMENTIONED INFORMATION MUST BE INDICATED ON THE SUBMITTAL CHECKLIST IN ACCORDANCE WITH THE RELEVANT SPECIFICATION. INDICATING SUCH ITEMS ON THE SHOP DRAWINGS, WITHIN ANY CALCULATIONS, OR PRODUCT DATA IS NOT SUFFICIENT. WHERE SUCH ITEMS ARE NOT SPECIFICALLY LISTED ON THE TRANSMITTAL, COVER SHEET, OR CHECKLIST IN ACCORDANCE WITH THESE GENERAL NOTES AND THE SPECIFICATIONS, SUCH ITEMS ARE NOT TO BE CONSIDERED APPROVED OR CONSIDERED. IF A QUESTION, CLARIFICATION, MODIFICATION, OR REQUEST FOR INFORMATION IS MADE AND NOT SPECIFICALLY RESPONDED TO BY STRUCTURAL DESIGN GROUP, NO APPROVAL OR CONSENT SHALL BE ASSUMED. THE CONTRACTOR SHALL ASSUME TOTAL LIABILITY AND RESPONSIBILITY IN ALL CASES WHERE SPECIFIC WRITTEN RESPONSE FROM STRUCTURAL DESIGN GROUP IS NOT OBTAINED, REGARDLESS OF ANY OTHER ACTIONS TAKEN BY STRUCTURAL DESIGN GROUP.

	STRUCTURAL DESIGN GROUP	
	300 Chase Park South, Suite 125 Hoover, AL 35244 tel 205-824-5200	
	Job Number 24-050	
14.7	SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS MUST BE SUBMITTED BY THE GENERAL CONTACTOR AND REVIEWED BY THE S.E.R. SHOULD THE OWNER OR CONTRACTOR FAIL TO OBTAIN THE S.E.R'S REVIEW OF THE SHOP DRAWINGS, THE S.E.R. WILL NOT ACCEPT RESPONSIBILITY FOR THE DESIGN AND CERTIFICATION OF THIS PROJECT. PRIOR TO SUBMISSION, THE CONTRACTOR SHALL REVIEW SHOP DRAWINGS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. SHOP DRAWINGS SHALL NOT BE PRODUCED PRIOR TO FINAL CONSTRUCTION SET.	
14.8	DO NOT FABRICATE PRIOR TO SHOP DRAWING'S REVIEW.	
14.9	ENGINEERING DESIGN AND SHOP DRAWINGS FOR FLOOR AND ROOF TRUSS SYSTEMS ALONG WITH LAYOUT PLANS ARE REQUIRED TO BE SUBMITTED TO THE BUILDING OFFICIAL FOR REVIEW PRIOR TO CONSTRUCTION.	
15.	0 ELEVATOR	
15.1	CONTRACTOR PROVIDE <b>W8x28</b> ELEVATOR HOIST BEAM WITH 3/8 x 7-5/8 x 7-5/8 BEARING PLATE EACH END. FASTEN BEARING PLATE TO CMU WITH (2) 5/8" DIAMETER J ANCHOR BOLTS. TOP OF HOIST BEAM TO BE (MINIMUM) 2" CLEAR FROM BOTTOM OF ROOF FRAMING. FILL CELLS UNDER BEARING FOR 32" MIN. DEPTH. POSITION AS REQUIRED BY ELEVATOR MANUFACTURER. COORDINATE ELEVATION WITH ELEVATOR RUN BY REQUIREMENT.	_
15.2	CONTRACTOR FILL ALL CELLS WITH GROUT OR CONCRETE AT ANY ELEVATOR ATTACHMENT POINT. COORDINATE EXACT LOCATIONS WITH ELEVATOR MANUFACTURER AND/OR SUPPLIER.	
15.3	IF FRONT OF ELEVATOR SHAFT IS TO BE OMITTED AT BASE FOR ELEVATOR INSTALLATION, CONTRACTOR PROVIDE (MINIMUM) 32" DEEP BOND BEAM REINFORCED WITH 4 LAYERS OF 2#7 CONTINUOUS AND #4 TIES @8 WITH 180 DEGREE HOOK AT EACH END OF THE TIES. ALTERNATE TIE DIRECTION	
15.4	ANY ADDITIONAL STEEL REQUIRED FOR ELEVATOR INSTALLATION (SAFETY BEAMS, CLIPS, EMBEDS, ETC.) SHALL BE PROVIDED BY THE ELEVATOR MANUFACTURER AND INCLUDED IN THEIR ORIGINAL PRICE TO THE CONTRACTOR. CONTRACTOR COORDINATE INSTALLATION WITH ELEVATOR MANUFACTURER.	
15.5	CONTRACTOR COORDINATE HOIST BEAM [AND SEPARATOR BEAM] ELEVATION WITH ELEVATOR MANUFACTURER.	
16.	0 PREFABRICATED CANOPY	
16.1	PROTECTIVE COVER WALKWAYS AND PREFABRICATED CANOPIES SHALL BE CONSIDERED A DEFERRED SUBMITTAL TO THE BUILDING INSPECTION AGENCY.	
16.2	PROTECTIVE COVER WALKWAYS AND PREFABRICATED CANOPIES SHALL BE FULLY ENGINEERED BY THE CANOPY MANUFACTURER AND CONTRACTOR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.	
16.3	CALCULATIONS SHALL ACCOMPANY THE SHOP DRAWINGS AND SHALL INCLUDE DESIGN OF ALL WALKWAY/CANOPY SYSTEM COMPONENTS INCLUDING, BUT NOT LIMITED TO, FOOTINGS, MEMBERS, CONNECTIONS AND ATTACHMENT TO STRUCTURE.	
16.4	PROTECTIVE COVER WALKWAY AND PREFABRICATED CANOPY SHOP DRAWINGS SHALL BE SUBMITTED TO INCLUDE A FULL DESCRIPTION OF ALL CANOPY MEMBERS, INCLUDING COLUMNS, BEAMS, FOOTINGS, FACIA, ETC. SHOP DRAWINGS SHALL BEAR THE SEAL OF THE PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.	
16.5	IF PROTECTIVE COVER WALKWAYS AND PREFABRICATED CANOPIES SHALL BE ATTACHED TO BUILDING, MINIMUM 16" DEEP BOND BEAM IS TO BE PROVIDED WITHIN THE LOAD-BEARING MASONRY WALL FOR WALKWAY AND CANOPY ANCHORAGE AS REQUIRED. MINIMUM 16" DEEP BOND BEAM IS TO BE CONSTRUCTED ON (2) 8" DEEP FORM BLOCKS WITH 2#5 CONTINUOUS IN EACH COURSE. CONNECTIONS TO BUILDING BY CANOPY MANUFACTURER, CONTRACTOR COORDINATE. DO NOT ANCHOR WALKWAY AND CANOPY TO VENEER. ANCHOR WALKWAY AND CANOPY INTO LOAD- BEARING MASONRY WALL WITH THREADED RODS IN PIPE SLEEVES. FOR ADDITIONAL TNEORMATION. SEE ARCHITECTURAL DRAWINGS.	DATE
		SUE
		ISS

13

12

![](_page_29_Figure_58.jpeg)

![](_page_30_Figure_0.jpeg)

TENSION LAP SPLICE LENGTHS								
f <sub>C</sub> = 3000 PSI f <sub>C</sub> = 4000 PSI								
TOP B	ARS	OTHER	BARS	TOP B	ARS	OTHER	BARS	
А	В	A	В	А	В	А	В	
22"	28"	17"	22"	19"	24"	15"	19"	
29"	37"	22"	29"	25"	32"	19"	25"	
36"	47"	28"	36"	31"	40"	24"	31"	
43"	56"	33"	43"	37"	48"	29"	37"	
63"	81"	48"	63"	54"	70"	42"	54"	
72"	93"	55"	72"	62"	80"	48"	62"	
81"	105"	62"	81"	70"	91"	54"	70"	
91"	118"	70"	91"	79"	102"	61"	79"	

PIPING WEIGHTS								
IPE WT FOOT (PLF)	FLUID WT PER/FOOT (PLF)	INSULATION & HANGERS (PLF)	TOTAL WT PER/FOOT (PLF)					
10.80	6.10	2.00	18.90					
19.00	13.80	3.00	35.80					
28.60	23.90	4.00	56.50					
40.50	37.50	4.00	82.00					
49.60	54.00	5.00	108.60					
54.60	65.70	5.00	125.30					
62.60	87.10	5.00	154.70					

![](_page_31_Figure_0.jpeg)

COMPONENTS AND CLADDING WIND LOADS FOR WALLS (PSF)						
112 MPH VELOCITY (3-SEC. GUST)						
H = 46'-0" 0.25:12 Roof Slope	WIND AREA (FT2) ZONES 4 & 5	ZONES 4 & 5	ZONES 4 (Int.)	ZONES 5 (Edge)		
	10	31.7	-34.3	-42.3		
	20	30.3	-32.9	-39.5		
	50	28.4	-31.0	-35.8		
	100	27.0	-29.6	-33.0		
	200	25.6	-28.2	-30.2		
	500	23.8	-26.4	-26.4		
NOTES	500	23.8	-26.4	-26.4		

COMPONENTS AND CLADDING WIND LOADS FOR STORM SHELTER WALLS (PSF)								
	EFFECTIVE	250 MPH VELOCITY (3-SEC. GUST)						
H = 16'-6'' 0:12 Roof Slope	WIND AREA (FT2)	ZONES 4 & 5	ZONES 4 (Int.)	ZONES 5 (Edge)				
	10	200.9	-213.4	-250.8				
	20	194.3	-206.6	-237.7				
	50	185.5	-197.8	-220.2				
	100	178.9	-191.2	-207.0				
	200	172.3	-184.5	-193.7				
	500	163.5	-176.0	-176.0				

	CON	1	
112 MPH VELOCITY		-	
H = 46'-0" 0.25:12 Roof Slope	EFFECTIVE WIND AREA (FT2)	Positive Max. Net Pressure 'p' (PSF)	
	10	16.0	
	20	16.0	
	50	16.0	
	100	16.0	
	200	16.0	
	500	16.0	
			_

COMPONENTS AND CLADDING WIND LOADS FOR STORM SHELTER ROOF (PSF)										
250 MPH VELOCITY (3-SEC. GUST)		ROOF				OVERHANG				
H = 16'-6" 0:12 Roof Slope	EFFECTIVE WIND AREA (FT2)	Positive Max. Net Pressure 'p' (PSF)	Zone 1' (Int.) (PSF)	Zone 1 (Int.) (PSF)	Zone 2 (Edge) (PSF)	Zone 3 (Corner) (PSF)	Zone 1' & 1 (Int.) - Max. Net Pressure 'p' (PSF)	Zone 2 (Edge) - Max. Net Pressure 'p' (PSF)	Zone 3 (Corner) - Max. Net Pressure 'p' (PSF)	
	10	117.8	-200.9	-311.8	-394.9	-519.6	-235.6	-318.7	-443.4	
	20	113.6	-200.9	-294.6	-372.8	-475.4	-231.4	-289.2	-391.8	
	50	108.1	-200.9	-271.9	-343.6	-417.0	-225.9	-250.3	-323.7	
	100	103.9	-200.9	-254.7	-321.5	-372.8	-221.7	-220.8	-272.1	
	200	103.9	-180.1	-237.5	-299.4	-328.6	-185.9	-191.4	-220.6	
	500	103.9	-152.5	-214.8	-270.2	-270.2	-138.6	-152.4	-152.4	

![](_page_32_Figure_0.jpeg)

5 6 7

3

4

0

10

![](_page_32_Figure_3.jpeg)

## 13

CTURA

SDO

300 Chase Park South, Suite 125 Hoover, AL 35244 tel 205-824-5200 fax 205-824-5280 Job Number **24-050** 

![](_page_32_Picture_7.jpeg)

# FOUNDATION PLAN

- FINISH FLOOR (TOP OF SLAB) ELEVATION 958.5' (DATUM), UNLESS NOTED.
   TOP OF FOOTING ELEVATION -2'-0", UNLESS NOTED.
   FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL
- DETAILS.
  4. FOR SLAB RECESS AND RAMP LOCATIONS, SEE ARCHITECTURAL DRAWINGS. SEE DETAIL ON \$1.02 FOR ADDITIONAL INFORMATION
- GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL CMU WALLS. NOTE ALL EXTERIOR PLAN DIMENSIONS ARE TO EXTERIOR FACE OF CMU AND RETAINING WALLS ABOVE WATERTABLE.
- 7. GENERAL CONTRACTOR SHALL COORDINATE ALL FOOTING STEPS WITH CIVIL, PLUMBING AND UTILITY DRAWINGS. FOR FOOTING STEP AT UTILITIES, SEE DETAIL ON \$1.2.
- FOOTING WIDTHS INDICATED ON PLAN MAY NOT BE TO SCALE. COORDINATE WITH SECTION CUTS FOR FOOTING WIDTHS AND ADDITIONAL INFORMATION.
   FOR PAVEMENT AND HARDSCAPE INFORMATION, SEE ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS.
   CONTRACTOR SHALL COORDINATE EMBEDS INTO MASONRY WITH LOUVER OR
- DOOR MANUFACTURER. PROVIDE MODIFICATIONS TO STRUCTURE AS REQUIRED TO FULLY COMPLY WITH MANUFACTURER INSTALLATION DETAILS. SUBMIT ANY MODIFICATIONS TO DESIGN TEAM FOR REVIEW.
  11. THE HATCHED/SHADED AREA ON THE PLAN INDICATES AREA TO BE USED AS STORM SHELTER. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTES, PLANS
- AND SECTIONS.
  12. VERTICAL DOWELS AT INDICATED LOCATIONS ARE TO ONLY EXTEND ABOVE TOP OF FOOTING ELEVATIONS BY 1'-0". LAP DOWELS 1'-0" INTO WALL OR MASONRY COLUMN. PROVIDE DECREASED LAP LENGTH WHEN DOWELING NON-STORM SHELTER WALLS OR MASONRY COLUMNS TO STORM SHELTER WALL FOOTINGS.
- BACKFILL EACH SIDE OF WALL SIMULTANEOUSLY.
   "MC" INDICATES MASONRY COLUMN. SEE SHEET S1.3 FOR ADDITIONAL INFORMATION.
- CONTRACTOR NOTE: DO NOT PROVIDE MASONRY CONTROL JOINTS IN STORM SHELTER CMU WALLS.
   REINFORCE LOCKER CURB WITH #4@12 EW MID HEIGHT OF CURB. SEE ARCHITECTURAL DRAWINGS FOR EXTENTS AND HEIGHT OF CURB.
- C1 INDICATES 36"x36" COLUMN, REINFORCE W/ 15#6 VERTICALS AND #3 TIES @12.
   DOWEL VERTICALS INTO FOUNDATION. HOOK VERTICALS INTO GRADE BEAM AT TOP OF COLUMN. SEE COLUMN TIE DETAIL ON S1.02 FOR ADDITIONAL INFORMATION.
- F5.0 INDICATES 5'-0"x5'-0"x1'-0" SPREAD FOOTING. REINFORCE WITH 5#5 T&B.
   P1 INDICATES 20"x46" PEDESTAL. EXTEND TO GROUND LEVEL AND REINFORCE WITH 10#6 VERTICALS AND #3 TIES @12 DOWEL VERTICALS INTO FOUNDATION.
   8" THICK SLAB ON GRADE, REINFORCE W/ #5@12 EW MID HEIGHT OF SLAB.
- CONTRACTOR SHALL COORDINATE WITH HIGH DENSITY STORAGE SUPPLIER FOR STEEL EMBED RAILS INTO SLAB.
  21. CONTRACTOR SHALL COORDINATE EXACT WALL LOCATION WITH ARCHITECTURAL AND BLEACHER SUPPLIER.
- 22. DRILL & EPOXY #4 VERTICAL BARS @24" O.C. (MAX.) 2-1/2" INTO SLAB AND EXTEND UP TO 1-1/2" BELOW T/STEP ALONG FRONT, INTERMEDIATE, & BACK LONG SIDES OF STEPS. PROVIDE 2#4 CONT. BARS (T&B) ALONG LONG SIDES OF STEPS. INSTALL VERTS. WITH 2" CLEAR AND CONT. BARS WITH 1-1/2" CLEAR. ROUGHEN SLAB SURFACE BENEATH STEP AS NEEDED AND APPLY CONCRETE BONDING AGENT (PER MANUFACTURER'S WRITTEN INSTRUCTIONS).
- 23. WHERE WINDOW OR OPENING OCCURS AT MASONRY COLUMN, BREAK AND CONTINUE COLUMN ABOVE MASONRY LINTEL.
  24. DEPRESS SLAB 1 3/4" ENTIRE GYM WOOD FLOOR . SEE DETAIL ON S1.02 FOR

ADDITIONAL INFORMATION.

![](_page_33_Figure_0.jpeg)

3

5

2 S3.04

3

6

4

3

![](_page_33_Figure_3.jpeg)

12

12

### LOWER ROOF FRAMING 1. JOIST BEARING: SEE PLAN. ROOF SLOPES ARE ACHIEVED WITH TAPERED

INSULATION. ROOF SYSTEM: 1 1/2" DEEP, 20 GAGE, GALVANIZED STEEL DECK ON STEEL JOISTS. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION. 3. TOP OF STEEL IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS. 4. BEAMS PARALLEL TO JOISTS ARE 2 1/2" HIGHER THAN SUPPORTING MEMBERS. 5. SPACE STEEL JOISTS EQUALLY BETWEEN BEAMS OR COLUMN LINES, UNLESS NOTED. 6. AT JOISTS DESIGNATED "KSP", JOIST MANUFACTURER SHALL DESIGN JOISTS AND JOIST GIRDERS FOR 25 PSF DEAD LOAD AND 20 PSF LIVE LOADS PLUS ANY ADDITIONAL LOADS SHOWN ON PLANS OR PLAN NOTES. 7. GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF STEEL ANGLES IN ROOF EQUIPMENT FRAME DETAIL WITH HVAC SUPPORT CURB SHOP DRAWINGS PRIOR TO FABRICATION OF STEEL. SEE S1.02 FOR MECHANICAL UNIT FRAMING. 8. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY GENERAL CONTRACTOR WITH THE JOIST MANUFACTURER. FOR PIPING WEIGHTS SEE TABLE ON SHEET S1.02. 9. EQUIPMENT LOCATIONS AND WEIGHTS SHOWN ARE APPROXIMATE. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT AND LOCATION OF ALL MECHANICAL UNITS AND AV EQUIPMENT WITH THE JOIST MANUFACTURER. DO NOT SCALE FROM THIS DRAWING. 10. ROOF HATCH, FOR LOCATION AND HATCH DETAILS, SEE ARCHITECTURAL DRAWINGS. FOR FRAMING, SEE ROOF EQUIPMENT FRAME DETAIL ON SHEET S1.02. 11. JOIST MANUFACTURER PROVIDE HORIZONTAL BRIDGING WHERE MECHANICAL DUCT IS LOCATED BETWEEN JOISTS TO ALLOW CLEARANCE FOR DUCT RUNS IN SPACE BETWEEN JOISTS. 12. 'BPx' INDICATES BEAM BEARING PLATE, SEE DETAILS ON S1.03 FOR ADDITIONAL INFORMATION.

# **GROUND LEVEL FLOOR FRAMING PLAN**

FINISH FLOOR (TOP OF SLAB) ELEVATION 12'-8" ABOVE MAIN LEVEL FINISHED FLOOR, UNLESS NOTED. . FLOOR SYSTEN: 12" THICK PRECAST HOLLOW CORE SLABS WITH 4" STRUCTURAL TOPPING SLAB, SEE GENERAL NOTES. STORM SHELTER FLOOR SYSTEM: 6" NORMAL WEIGHT CONCRETE ON 2" COMPOSITE STEEL DECK (8" TOTAL) REINFORCE WITH #5@9 EACH WAY ON STEEL BEAMS AT 6'-0" O.C. MAXIMUM, SEE GENERAL NOTES. 3. PRECAST HOLLOW CORE SLAB LAYOUT SHOWN IS FOR SCHEMATIC PURPOSES ONLY. PRECAST MANUFACTURER TO VERIFY ACTUAL LAYOUT. HOLLOW CORE MANUFACTURER DESIGN SLABS FOR DEAD LOADS, LIVE LOADS AND WIND LOADS (DOWNWARD AND UPLIFT) AS INDICATED IN THE GENERAL NOTES AND TYPICAL DETAILS, IN ADDITION TO SELF-WEIGHT DEAD LOAD AND 20 PSF COLLATERAL DEAD LOAD. 4. CUT OR BREAK CORES OF HOLLOW CORE SLABS ONLY AS REQUIRED TO PLACE REINFORCING. 5. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT AND LOCATION OF ALL CONCENTRATED AND MECHANICAL LOADS WITH THE PRECAST MANUFACTURER. 6. COORDINATE MECHANICAL OPENINGS WITH MECHANICAL DRAWINGS AND UNIT MANUFACTURER. PRECAST SUPPLIER TO SHOW OPENINGS ON SHOP DRAWINGS AND PROVIDE ANY SUPPORT FOR OPENINGS. 7. PROVIDE MASONRY AND VENEER LINTELS AT ALL OPENINGS, SEE SCHEDULES ON S1.02. 8. "BP" INDICATES BEAM BEARING PLATE, SEE TYPICAL DETAIL ON SHEET S1.03. 9. CONTRACTOR NOTE: ALL MECHANICAL OPENING SIZES AND LOCATIONS IN LOAD BEARING MASONRY WALLS SHOULD BE COORDINATED BY THE CONTRACTOR AND INDICATED ON THE MASONRY WALL REBAR SHOP DRAWINGS. 10. WHERE MECHANICAL DUCTS EXTEND THRU LOAD BEARING WALLS BELOW HOLLOW CORE SLABS, PROVIDE MASONRY BOND BEAM PER DETAIL/SCHEDULE ON \$1.02. 11. AT PRE-MANUFACTURED METAL CANOPY, PROVIDE 16" DEEP BOND BEAM AS REQUIRED FOR CANOPY ANCHORAGE. 16" DEEP BOND BEAM IS TO BE CONSTRUCTED OF (2) 8" DEEP FORM BLOCKS WITH 2#5 CONTINUOUS. CONNECTIONS TO BUILDING BY CANOPY MANUFACTURER, CONTRACTOR COORDINATE. DO NOT ANCHOR CANOPY TO VENEER. ANCHOR CANOPY INTO LOAD BEARING MASONRY WALL WITH THREADED RODS IN PIPE SLEEVES. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTES AND ARCHITECTURAL DRAWINGS. 12. PROVIDE HORIZONTAL BOND BEAMS AT 48" ON CENTER FOR FULL HEIGHT OF ALL FOUR WALLS AT STAIRS. REINFORCE BOND BEAMS WITH 2#5 CONTINUOUS AND REFER TO TYPICAL DETAILS FOR ADDITIONAL INFORMATION. 13. PROVIDE MINIMUM 24" WIDE MASONRY JAMB BETWEEN ADJACENT MECHANICAL LOUVER OPENINGS (AND OTHER OPENINGS AS WELL), TYPICAL. ALL OPENINGS ARE TO BE BELOW THE BOTTOM OF THE TOP OF WALL BOND BEAM. 14. INDICATES UPPER LEVEL FLOOR PARTITION WALLS TO BE SUPPORTED BY HOLLOW CORE SLABS. PRECAST MANUFACTURER TO DESIGN HOLLOW CORE SLABS TO SUPPORT THE DEAD LOAD PARTITION WALL WEIGHT WHERE INDICATED (480 PLF AT 6" CMU, 620 PLF AT 8" CMU AND 815 PLF AT 12" CMU). CONTRACTOR NOTE: CMU PARTITION WALLS TO BE REINFORCED WITH #4@72. DOWEL INTO TOPPING SLAB 2 1/2" BY DRILLING AND EPOXYING. PROVIDE 8" DEEP FORM BLOCK BOND BEAMS WITH 2#4 CONT AT TOP AND BOTTOM OF WALLS. 15. STEP TOP OF WALL WITH BLEACHERS. CONTRACTOR SHALL COORDINATE EXACT WALL LOCATION WITH ARCHITECTURAL DRAWINGS AND BLEACHER SUPPLIER. 16. "MC" INDICATES MASONRY COLUMN. SEE SCHEDULE AND DETAILS ON S1.03 17. THE HATCHED/SHADED AREA ON THE PLAN INDICATES AREA TO BE USED AS STORM SHELTER. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTES, PLANS AND SECTIONS. 18. VERTICAL DOWELS AT INDICATED LOCATIONS ARE TO ONLY EXTEND ABOVE TOP OF FOOTING ELEVATIONS BY 1'-0". LAP DOWELS 1'-0" INTO WALL OR MASONRY COLUMN. PROVIDE DECREASED LAP LENGTH WHEN DOWELING NON-STORM SHELTER WALLS OR MASONRY COLUMNS TO STORM SHELTER WALL FOOTINGS. 19. PROVIDE 32" WIDE MASONRY JAMB BETWEEN ADJACENT MECHANICAL LOUVER OPENINGS (AND ALL OTHER OPENINGS). ALL OPENINGS ARE TO BE BELOW THE BOTTOM OF THE CONCRETE RING BEAM LOCATED IN THE STORM SHELTER AREA. 20. DRILL & EPOXY #4 VERTICAL BARS @24" O.C. (MAX.) 2-1/2" INTO SLAB AND EXTEND UP TO 1-1/2" BELOW T/STEP ALONG FRONT, INTERMEDIATE, & BACK LONG SIDES OF STEPS. PROVIDE 2#4 CONT. BARS (T&B) ALONG LONG SIDES OF STEPS. INSTALL VERTS. WITH 2" CLEAR AND CONT. BARS WITH 1-1/2" CLEAR. ROUGHEN SLAB SURFACE BENEATH STEP AS NEEDED AND APPLY CONCRETE BONDING AGENT (PER MANUFACTURER'S WRITTEN INSTRUCTIONS). 21. WHERE WINDOW OR OPENING OCCURS AT MASONRY COLUMN, BREAK AND CONTINUE COLUMN ABOVE MASONRY LINTEL. 22. AT EP3 CONNECTION SHALL BE DESIGNED FOR 35 KIP-FT (SERVICE) MOMENT IN ADDITION TO THE MAXIMUM REACTION LISTED ON \$1.03.

![](_page_33_Figure_16.jpeg)

![](_page_34_Figure_0.jpeg)

3

2

4

EXTEND BOND BEAM IN WALL CONTINUOUS

AROUND STAIR

5

4

3

![](_page_34_Figure_82.jpeg)

7

8

9

11

10

![](_page_34_Figure_88.jpeg)

# LOWER ROOF FRAMING

12

11

13

RUC TURAL

10

9

1. JOIST BERING: SEE PLAN. ROOF SLOPES ARE ACHIEVED WITH TAPERED INSULATION. 2. ROOF SYSTEM: 1 1/2" DEEP, 20 GAGE, GALVANIZED STEEL DECK ON STEEL JOISTS. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION. 3. TOP OF STEEL IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS UNLESS NOTED ON PLANS. 4. BEAMS PARALLEL TO JOISTS ARE 2 1/2" HIGHER THAN SUPPORTING MEMBERS. 5. SPACE STEEL JOISTS EQUALLY BETWEEN BEAMS OR COLUMN LINES, UNLESS 6. AT JOISTS DESIGNATED "KSP", JOIST MANUFACTURER SHALL DESIGN JOISTS AND JOIST GIRDERS FOR 25 PSF DEAD LOAD AND 20 PSF LIVE LOADS PLUS ANY ADDITIONAL LOADS SHOWN ON PLANS OR PLAN NOTES. 7. GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF STEEL ANGLES IN ROOF EQUIPMENT FRAME DETAIL WITH HVAC SUPPORT CURB SHOP DRAWINGS PRIOR TO FABRICATION OF STEEL. SEE S1.02 FOR MECHANICAL UNIT FRAMING. 8. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY GENERAL CONTRACTOR WITH THE JOIST MANUFACTURER. FOR PIPING WEIGHTS SEE TABLE ON SHEET S1.02. 9. EQUIPMENT LOCATIONS AND WEIGHTS SHOWN ARE APPROXIMATE. THE GENERA L CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT AND LOCATION OF ALL MECHANICAL UNITS AND AV EQUIPMENT WITH THE JOIST MANUFACTURER. DO NOT SCALE FROM THIS DRAWING. 10. ROOF HATCH, FOR LOCATION AND HATCH DETAILS, SEE ARCHITECTURAL DRAWINGS. FOR FRAMING, SEE ROOF EQUIPMENT FRAME DETAIL ON SHEET S1.02. 11. JOIST MANUFACTURER PROVIDE HORIZONTAL BRIDGING WHERE MECHANICAL DUCT IS LOCATED BETWEEN JOISTS TO ALLOW CLEARANCE FOR DUCT RUNS IN SPACE BETWEEN JOISTS. 12. 'BPx' INDICATES BEAM BEARING PLATE, SEE DETAILS ON S1.03 FOR ADDITIONAL INFORMATION. 13. UNLESS NOTED ON PLAN. MINIMUM STEEL BEAM REACTION SHALL BE 12 KIPS

## FOUNDERS LEVEL FLOOR FRAMING PLAN

FINISH FLOOR (TOP OF SLAB) ELEVATION 13'-4" ABOVE MAIN LEVEL FINISHED FLOOR, UNLESS NOTED. 2. FLOOR SYSTEM: 12" THICK PRECAST HOLLOW CORE SLABS WITH 4" STRUCTURAL TOPPING SLAB, SEE GENERAL NOTES. 3. PRECAST HOLLOW CORE SLAB LAYOUT SHOWN IS FOR SCHEMATIC PURPOSES ONLY. PRECAST MANUFACTURER TO VERIFY ACTUAL LAYOUT. HOLLOW CORE MANUFACTURER DESIGN SLABS FOR DEAD LOADS, LIVE LOADS AND WIND LOADS (DOWNWARD AND UPLIFT) AS INDICATED IN THE GENERAL NOTES AND TYPICAL DETAILS, IN ADDITION TO SELF-WEIGHT DEAD LOAD AND 20 PSF COLLATERAL 4. CUT OR BREAK CORES OF HOLLOW CORE SLABS ONLY AS REQUIRED TO PLACE REINFORCING. 5. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT AND LOCATION OF ALL CONCENTRATED AND MECHANICAL LOADS WITH THE PRECAST MANUFACTURER. 6. COORDINATE MECHANICAL OPENINGS WITH MECHANICAL DRAWINGS AND UNIT MANUFACTURER. PRECAST SUPPLIER TO SHOW OPENINGS ON SHOP DRAWINGS AND PROVIDE ANY SUPPORT FOR 7. PROVIDE MASONRY AND VENEER LINTELS AT ALL OPENINGS, SEE SCHEDULES ON S1.02.

8. "BP" INDICATES BEAM BEARING PLATE, SEE TYPICAL DETAIL ON SHEET S1.03. 9. CONTRACTOR NOTE: ALL MECHANICAL OPENING SIZES AND LOCATIONS IN LOAD BEARING MASONRY WALLS SHOULD BE COORDINATED BY THE CONTRACTOR AND INDICATED ON THE MASONRY WALL REBAR SHOP DRAWINGS. 10. WHERE MECHANICAL DUCTS EXTEND THRU LOAD BEARING WALLS BELOW HOLLOW CORE SLABS, PROVIDE MASONRY BOND BEAM PER DETAIL/SCHEDULE ON S1.02. 11. AT PRE-MANUFACTURED METAL CANOPY, PROVIDE 16" DEEP BOND BEAM AS REQUIRED FOR CANOPY ANCHORAGE. 16" DEEP BOND BEAM IS TO BE CONSTRUCTED OF (2) 8" DEEP FORM BLOCKS WITH 2#5 CONTINUOUS, CONNECTIONS TO BUILDING BY CANOPY MANUFACTURER, CONTRACTOR COORDINATE. DO NOT ANCHOR CANOPY TO VENEER. ANCHOR CANOPY INTO LOAD BEARING MASONRY WALL WITH THREADED RODS IN PIPE SLEEVES. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTES AND

12. PROVIDE HORIZONTAL BOND BEAMS AT 48" ON CENTER FOR FULL HEIGHT OF ALL FOUR WALLS AT STAIRS. REINFORCE BOND BEAMS WITH 2#5 CONTINUOUS AND REFER TO TYPICAL DETAILS FOR ADDITIONAL INFORMATION. 13. PROVIDE MINIMUM 24" WIDE MASONRY JAMB BETWEEN ADJACENT MECHANICAL LOUVER OPENINGS (AND OTHER OPENINGS AS WELL), TYPICAL. ALL OPENINGS ARE TO BE BELOW THE BOTTOM OF THE TOP OF WALL BOND BEAM. 14. INDICATES UPPER LEVEL FLOOR PARTITION WALLS TO BE SUPPORTED BY HOLLOW CORE SLABS. PRECAST MANUFACTURER TO DESIGN HOLLOW CORE SLABS TO SUPPORT THE DEAD LOAD PARTITION WALL WEIGHT WHERE INDICATED (480 PLF AT 6" CMU, 620 PLF AT 8" CMU AND 815 PLF AT 12" CMU). CONTRACTOR NOTE: CMU PARTITION WALLS TO BE REINFORCED WITH #4@72. DOWEL INTO TOPPING SLAB 2 1/2" BY DRILLING AND EPOXYING. PROVIDE 8" DEEP FORM BLOCK BOND BEAMS WITH 2#4 CONT AT TOP AND BOTTOM OF WALLS. 15. BEAR CONCRETE BEAM MIN 16" OVER MASONRY COLUMN, HOOK LONGITUDINAL BARS INTO TOP OF COLUMN. TERMINATE MASONRY COLUMNS AT BOTTOM OF CONCRETE BEAM

![](_page_34_Figure_95.jpeg)

![](_page_35_Figure_0.jpeg)

3 4 5 6 7 8 9

2

![](_page_35_Figure_3.jpeg)

12

11

![](_page_35_Figure_5.jpeg)

SDC

STRUCTURAL DESIGN GF 300 Chase Park South, Suite 125 Hoover, AL 35244 tel 205-824-5200 fax 205-824-5280 Job Number 24-050

# **ROOF FRAMING PLAN**

1. JOIST BERING 26'-0" ABOVE MAIN LEVEL FINISHED FLOOR. ROOF SLOPES ARE ACHIEVED WITH TAPERED INSULATION. ROOF SYSTEM: 3" DEEP, 20 GAGE, GALVANIZED STEEL DECK ON STEEL JOISTS. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION. ELEVATOR ROOF SYSTEM: 1 1/2" DEEP, 20 GAGE, GALVANIZED STEEL DECK. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION. 3. TOP OF STEEL IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED BEAMS PARALLEL TO JOISTS ARE 5" HIGHER THAN SUPPORTING MEMBERS.
 SPACE STEEL JOISTS EQUALLY BETWEEN BEAMS OR COLUMN LINES, UNLESS AT JOISTS DESIGNATED "KSP", JOIST MANUFACTURER SHALL DESIGN JOISTS AND JOIST GIRDERS FOR 25 PSF DEAD LOAD AND 20 PSF LIVE LOADS PLUS ANY ADDITIONAL LOADS SHOWN ON PLANS OR PLAN NOTES. 7. GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF STEEL ANGLES IN ROOF EQUIPMENT FRAME DETAIL WITH HVAC SUPPORT CURB SHOP DRAWINGS PRIOR TO FABRICATION OF STEEL. SEE S1.02 FOR MECHANICAL UNIT FRAMING.
8. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY GENERAL CONTRACTOR WITH THE JOIST MANUFACTURER. FOR PIPING WEIGHTS SEE TABLE ON SHEET S1.02. 9. PROVIDE 5" JOIST SEAT DEPTHS TYPICAL. 10. JOIST MANUFACTURER NOTE: ALL LH JOIST AND 30K11 JOISTS TO HAVE THE SAME WEB CONFIGURATION SO THE MECHANICAL SUB CONTRACTOR CAN LOCATE THE DUCT BRACHES IN WEB SPACES TO WHERE THEY LINE UP ALL THE WAY ACROSS 11. EQUIPMENT LOCATIONS AND WEIGHTS SHOWN ARE APPROXIMATE. THE GENERA L CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT AND LOCATION OF ALL MECHANICAL UNITS AND AV EQUIPMENT WITH THE JOIST MANUFACTURER.

12. ROOF HATCH, FOR LOCATION AND HATCH DETAILS, SEE ARCHITECTURAL DRAWINGS. FOR FRAMING, SEE ROOF EQUIPMENT FRAME DETAIL ON SHEET S1.02. 13. JOIST MANUFACTURER PROVIDE HORIZONTAL BRIDGING WHERE MECHANICAL DUCT IS LOCATED BETWEEN JOISTS TO ALLOW CLEARANCE FOR DUCT RUNS IN 14. 'BPx' INDICATES BEAM BEARING PLATE, SEE DETAILS ON S1.03 FOR ADDITIONAL 15. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF BASKETBALL GOAL AND SCORE BOARD SUPPORTS AND THEIR ATTACHMENT TO THE ROOF

STRUCTURE. SUBMIT SHOP DRAWINGS SHOWING DETAILING OF GOAL AND SCOREBOARD SUPPORTS AND ATTACHMENT TO THE ROOF STRUCTURE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER. COORDINATE EXACT LOCATIONS WITH ARCHITECTURED DRAWINGS. COORDINATE LOADS WITH METAL JOIST

![](_page_36_Figure_0.jpeg)

![](_page_37_Figure_0.jpeg)

![](_page_38_Figure_0.jpeg)

![](_page_39_Figure_0.jpeg)

![](_page_40_Figure_0.jpeg)

![](_page_40_Figure_6.jpeg)

![](_page_40_Figure_7.jpeg)